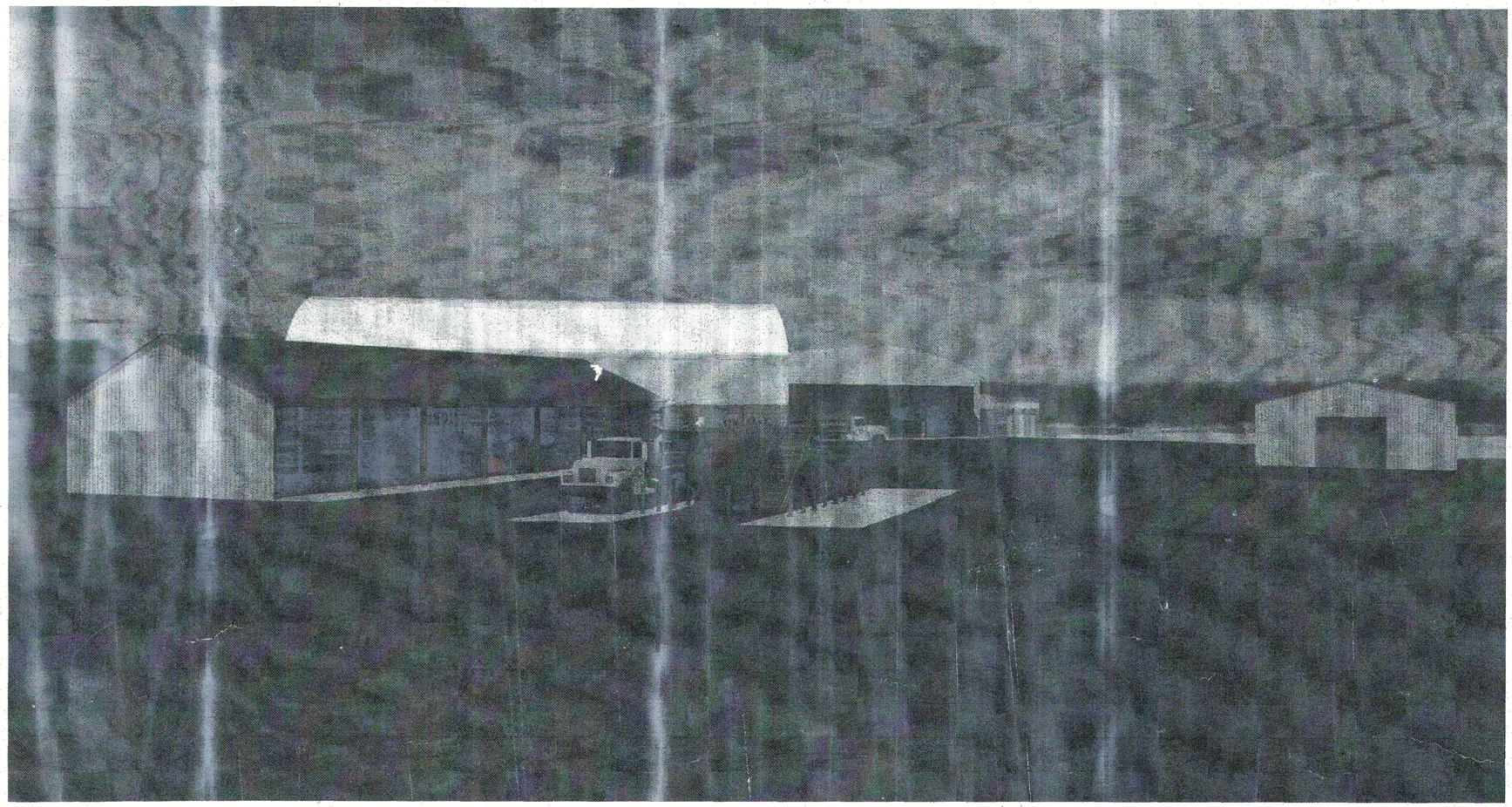
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

OHIO DEPARTMENT OF TRANSPORTATION

OHIO FACILITIES CONSTRUCTION COMPLIANCE



BALANCE OF PROJECT PACKAGE

MAY 16, 2014

PREPARED FOR

OWNER

OHIO DEPARTMENT OF TRANSPORTATION

CONTRACTING AUTHORITY

OHIO FACILITIES CONSTRUCTION COMMISSION

TMCC AS-BUILTS
[FIELD SET]

THOMAS & MARKER CONSTRUCTION

Richardson Design, Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

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DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

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G001

DRAWINGS COVER SHEET

DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

OHIO DEPARTMENT OF TRANSPORTATION

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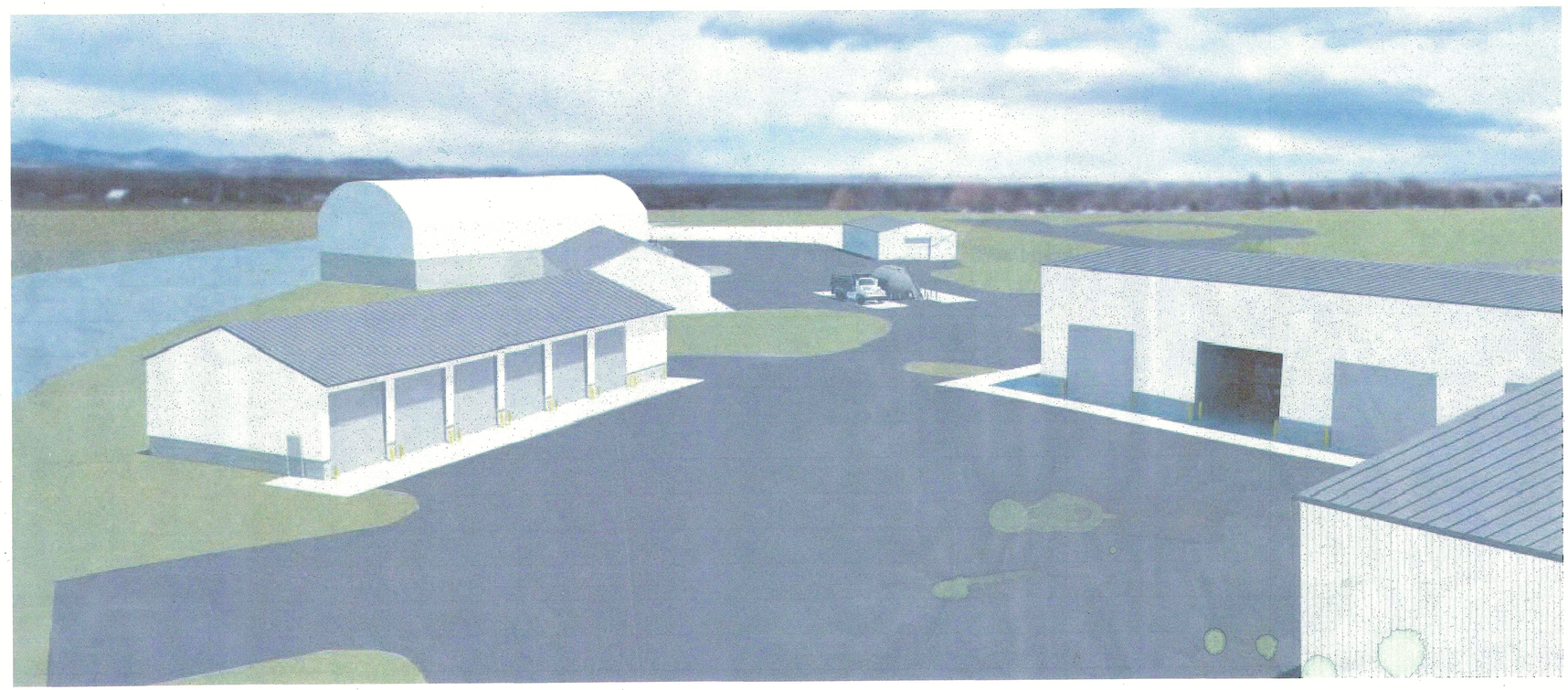

EARLY SITEWORK PACKAGE

FEBRUARY 27, 2014

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C202	SITE GRADING PLAN (SOUTH)
C203	SITE GRADING PLAN (NORTH)
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AT201	HEATED TRUCK STORAGE
AM201	MATERIAL STORAGE
AS201	SALT STORAGE
E021	ELECTRICAL SITE PLAN

THOMAS & MARKER CONSTRUCTION

Resource Design, Inc.

RDI

Sands Decker CPS | RMFA | FTI

STATE OF OHIO
THOMAS L. CONVERSE 6425
REGISTERED ARCHITECT

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE
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FEBRUARY 27, 2014

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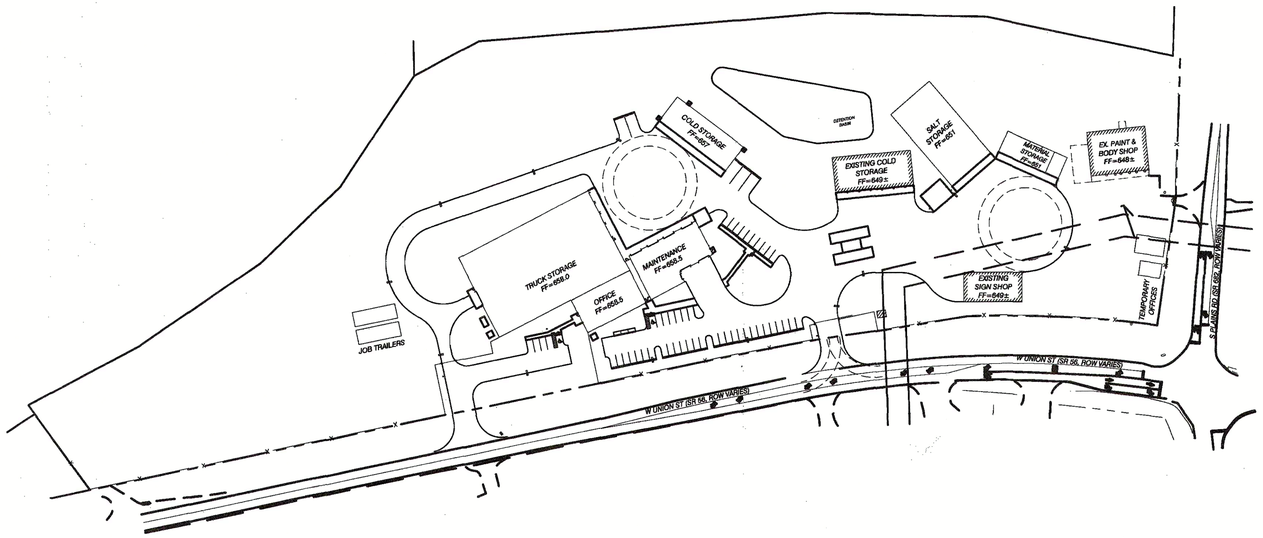
G001

DRAWINGS COVER SHEET



DETAIL K-G201

0 100'

NORTH

SITE PLAN

BUILDING CODE

BUILDING CODE REQUIREMENTS
The Project is based on the 2011 Ohio Building Code.

GARAGE DESCRIPTION
The Building consists of a full service highway maintenance facility including offices, vehicle repair garage, and truck parking.

Chapter 3 - USE AND OCCUPANCY CLASSIFICATIONS

AREA DESCRIPTION	OBC USE GROUP
Facility Office	B
Vehicle Maintenance	S-1
Truck Storage Building	S-2

Chapter 5 - GENERAL BUILDING HEIGHT AND AREAS

Table 503

FIRE AREA aa	USE GROUP S-1	CONSTRUCTION TYPE IIB	
Allowable Height			
Tabular Height from Table 503		3 ST	55 FT
Automatic Sprinkler System Increase		1 ST	20 FT
Allowed Height		4 ST	75 FT
Proposed Height		1 ST	28 FT
Allowable Area per Floor			
Tabular Area from Table 503			17,500 SF
Frontage Increase		75%	13,125 SF
Automatic Sprinkler System Increase			35,000 SF
Allowed Area per Floor			65,625 SF
Proposed Area per Floor			35,935 SF

Chapter 10 - MEANS OF EGRESS

Section 1004 - OCCUPANT LOAD

Table 1004.1

Use	Function	Area	SF/Occ	Occ
Facility Office	Business	5,183 SF	100 gross	52
Vehicle Maint	Parking Gar	6,137 SF	200 gross	31
Truck Storage	Parking Gar	24,615 SF	200 gross	124
Total				207

Chapter 29 - PLUMBING SYSTEMS

SECTION 2902 - MINIMUM PLUMBING FIXTURES

Table 2902.1 - Minimum Number of Required Plumbing Fixtures

Water Closets	Occ	Male Req	Male Prop	Female Req	Female Prop
B OFFICE	52	1		1	
S-1 VM	31	1		1	
S-2 TS	124	1		1	
Total		3	4	3	3

Lavatories	Occ	Male Req	Male Prop	Female Req	Female Prop
B OFFICE	52			1	
S-1 VM	31	1		1	
S-2 TS	124	2		2	
Total		3	4	4	4

Drinking Fountains	Occ	Required	Prop
B OFFICE	46	1	
S-1 VM, TS	31	1	
S-2 TS	124	2	
Total		4	4

COLD STORAGE DESCRIPTION
The building consists of an unoccupied enclosed storage building.

Chapter 3 - USE AND OCCUPANCY CLASSIFICATIONS

AREA DESCRIPTION	OBC USE GROUP
Cold Storage Building	S-2

Chapter 5 - GENERAL BUILDING HEIGHT AND AREAS

Table 503

FIRE AREA aa	USE GROUP CS	CONSTRUCTION TYPE IIB	
Allowable Height			
Tabular Height from Table 503		3 ST	55 FT
Automatic Sprinkler System Increase		0 ST	0 FT
Allowed Height		3 ST	55 FT
Proposed Height		1 ST	24 FT
Allowable Area per Floor			
Tabular Area from Table 503			26,000 SF
Frontage Increase			75%19,500 SF
Automatic Sprinkler System Increase			0 SF
Allowed Area per Floor			45,500 SF
Proposed Area per Floor			4,153 SF

Chapter 10 - MEANS OF EGRESS

Section 1004 - OCCUPANT LOAD

Table 1004.1

Use	Function	Area	SF/Occ	Occupants
Warehouse	Storage	4,153 SF	500 gross	9
Total				9

SALT STORAGE DESCRIPTION
The Project consists of a Full Service Maintenance Facility.

Chapter 3 - USE AND OCCUPANCY CLASSIFICATIONS

AREA DESCRIPTION	OBC USE GROUP
Salt Storage Building	S-2

Chapter 5 - GENERAL BUILDING HEIGHT AND AREAS

Table 503

FIRE AREA aa	USE GROUP SS	CONSTRUCTION TYPE IIB	
Allowable Height			
Tabular Height from Table 503		3 ST	55 FT
Automatic Sprinkler System Increase		0 ST	0 FT
Allowed Height		3 ST	55 FT
Proposed Height		1 ST	20 FT
Allowable Area per Floor			
Tabular Area from Table 503			26,000 SF
Frontage Increase		nn%	n SF
Automatic Sprinkler System Increase			n SF
Allowed Area per Floor			nn,nnn SF
Proposed Area per Floor			8,664 SF

Chapter 10 - MEANS OF EGRESS

Section 1004 - OCCUPANT LOAD

Table 1004.1

Use	Function	Area	SF/Occ	Occupants
Warehouse	Storage	8,664 SF	500gross	18
Total				18

Chapter 29 - PLUMBING SYSTEMS

SECTION 2902 - MINIMUM PLUMBING FIXTURES

Unoccupied.

MATERIAL STORAGE DESCRIPTION
The building consists of an unoccupied open materials storage building.

Chapter 3 - USE AND OCCUPANCY CLASSIFICATIONS

AREA DESCRIPTION	OBC USE GROUP
Materials Storage Building	S-2

Chapter 5 - GENERAL BUILDING HEIGHT AND AREAS

Table 503

FIRE AREA	USE GROUP S-2	CONSTRUCTION TYPE IIB	
Allowable Height			
Tabular Height from Table 503		3 ST	55 FT
Automatic Sprinkler System Increase		0 ST	0 FT
Allowed Height		3 ST	55 FT
Proposed Height		1 ST	34 FT
Allowable Area per Floor			
Tabular Area from Table 503			26,000 SF
Frontage Increase			75%19,500 SF
Automatic Sprinkler System Increase			0 SF
Allowed Area per Floor			45,500 SF
Proposed Area per Floor			2,998 SF

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C401	STORM WATER POLLUTION PREVENTION NOTES + DETAILS
A001	ARCHITECTURAL COVER SHEET
A002	GARAGE REFERENCE PLAN
A501	ROOM FINISH SCHEDULE
A511	DOOR SCHEDULE + DETAILS
A521	WINDOW SCHEDULE + DETAILS
A531	DRAWINGS COVER SHEET
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A802	EXTERIOR DETAILS
AF201	BRINE AND CALCIUM SYSTEMS FUEL ISLAND
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AG202	GARAGE ROOF PLAN
AG651	GARAGE EXTERIOR ELEVATIONS
AO201	OFFICE FLOOR PLAN
AV201	VEHICLE MAINTENANCE FLOOR PLAN
AT201	TRUCK STORAGE FLOOR PLAN
AC201	COLD STORAGE
AC202	COLD STORAGE BUILDING EXTERIOR ELEVATIONS
AM201	MATERIAL STORAGE
AS201	SALT STORAGE
S001	STRUCTURAL COVER SHEET
S301	STRUCTURAL CONCRETE DETAILS
S302	STRUCTURAL CONCRETE DETAILS
S401	STRUCTURAL FRAMING DETAILS
SG201	GARAGE FOUNDATION PLAN
SG202	GARAGE ROOF FRAMING PLAN
SC201	COLD STORAGE FOUNDATION AND ROOF FRAMING PLANS
SM201	MATERIAL STORAGE FOUNDATION PLAN
SS201	SALT STORAGE FOUNDATION PLAN
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P502	PLUMBING SCHEDULES AND DETAILS
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PV201	VEHICLE MAINTENANCE PLUMBING PLAN
PT201	TRUCK STORAGE PLUMBING PLAN
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H801	HVAC DETAILS
HO201	OFFICE HVAC PLAN
HV201	VEHICLE MAINTENANCE HVAC FLOOR PLAN
HT201	TRUCK STORAGE HVAC FLOOR PLAN
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E501	ELECTRICAL SCHEDULES
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EO301	OFFICE LIGHTING PLAN
EV201	VEHICLE MAINTENANCE ELECTRICAL POWER PLAN
EV301	VEHICLE MAINTENANCE LIGHTING PLAN
ET201	TRUCK STORAGE ELECTRICAL POWER PLAN
ET301	TRUCK STORAGE LIGHTING PLAN
EC201	COLD STORAGE ELECTRICAL POWER PLAN
EC301	COLD STORAGE LIGHTING PLAN
EM201	MATERIAL STORAGE ELECTRICAL POWER PLAN
ES201	SALT STORAGE ELECTRICAL POWER PLAN

THOMAS & MARKER CONSTRUCTION

RDI Renaissance Design, Inc.

STATE OF OHIO
THOMAS L CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

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G201

GENERAL PROJECT INFORMATION

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G202	GARAGE FIRE SEPARATIONS
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A502	DOOR SCHEDULE + DETAILS
A503	WINDOW SCHEDULE + DETAILS
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A802	EXTERIOR DETAILS
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AT201	TRUCK STORAGE FLOOR PLAN
S001	STRUCTURAL COVER SHEET
SG201	GARAGE FOUNDATION PLAN
SG202	GARAGE ROOF FRAMING PLAN
H501	HVAC SCHEDULES
H801	HVAC DETAILS

DETAIL K-G201

SITE PLAN

0 100'

NORTH

BUILDING CODE

BUILDING CODE REQUIREMENTS

The Project is based on the 2011 Ohio Building Code.

PROJECT DESCRIPTION

The Building consists of a full service highway maintenance facility including offices, vehicle repair garage, and truck parking.

Chapter 3 - USE AND OCCUPANCY CLASSIFICATIONS

AREA DESCRIPTION	OBC USE GROUP
Facility Office	B
Vehicle Maintenance	S-1
Truck Storage Building	S-2

Chapter 5 - GENERAL BUILDING HEIGHT AND AREAS

Table 503

FIRE AREA aa USE GROUP S-1 CONSTRUCTION TYPE IIB

Allowable Height		
Tablular Height from Table 503	3 ST	55 FT
Automatic Sprinkler System Increase	1 ST	20 FT
Allowed Height	4 ST	75 FT
Proposed Height	1 ST	28 FT

Allowable Area per Floor		
Tabular Area from Table 503		17,500 SF
Frontage Increase	75%	13,125 SF
Automatic Sprinkler System Increase		52,500 SF
Allowed Area per Floor		83,125 SF
Proposed Area per Floor		36,087 SF

Chapter 10 - MEANS OF EGRESS

Section 1004 - OCCUPANT LOAD

Table 1004.1

Use	Function	Area	SF/Occ	Occ
Facility Office	Business	5,395 SF	100 gross	54
Vehicle Maint	Parking Gar	6,137 SF	200 gross	31
Truck Storage	Parking Gar	24,555 SF	200 gross	123
Total				208

Chapter 29 - PLUMBING SYSTEMS

SECTION 2902 - MINIMUM PLUMBING FIXTURES

Table 2902.1 - Minimum Number of Required Plumbing Fixtures

Water Closets	Occ	Male Req	Male Prop	Female Req	Female Prop
B OFFICE	54	1		1	
S-1 VM	31	1		1	
S-2 TS	123	1		1	
Total		3	4	3	3

Lavatories	Occ	Male Req	Male Prop	Female Req	Female Prop
B OFFICE	54	1		1	
S-1 VM	31	1		1	
S-2 TS	123	2		2	
Total		3	4	4	4

Drinking Fountains	Occ	Required	Prop
B OFFICE	48	1	
S-1 VM, TS	31	1	
S-2 TS	123	2	
Total		4	4

TM THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

PRE-ENGINEERED METAL BUILDING

DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

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APRIL 2, 2014

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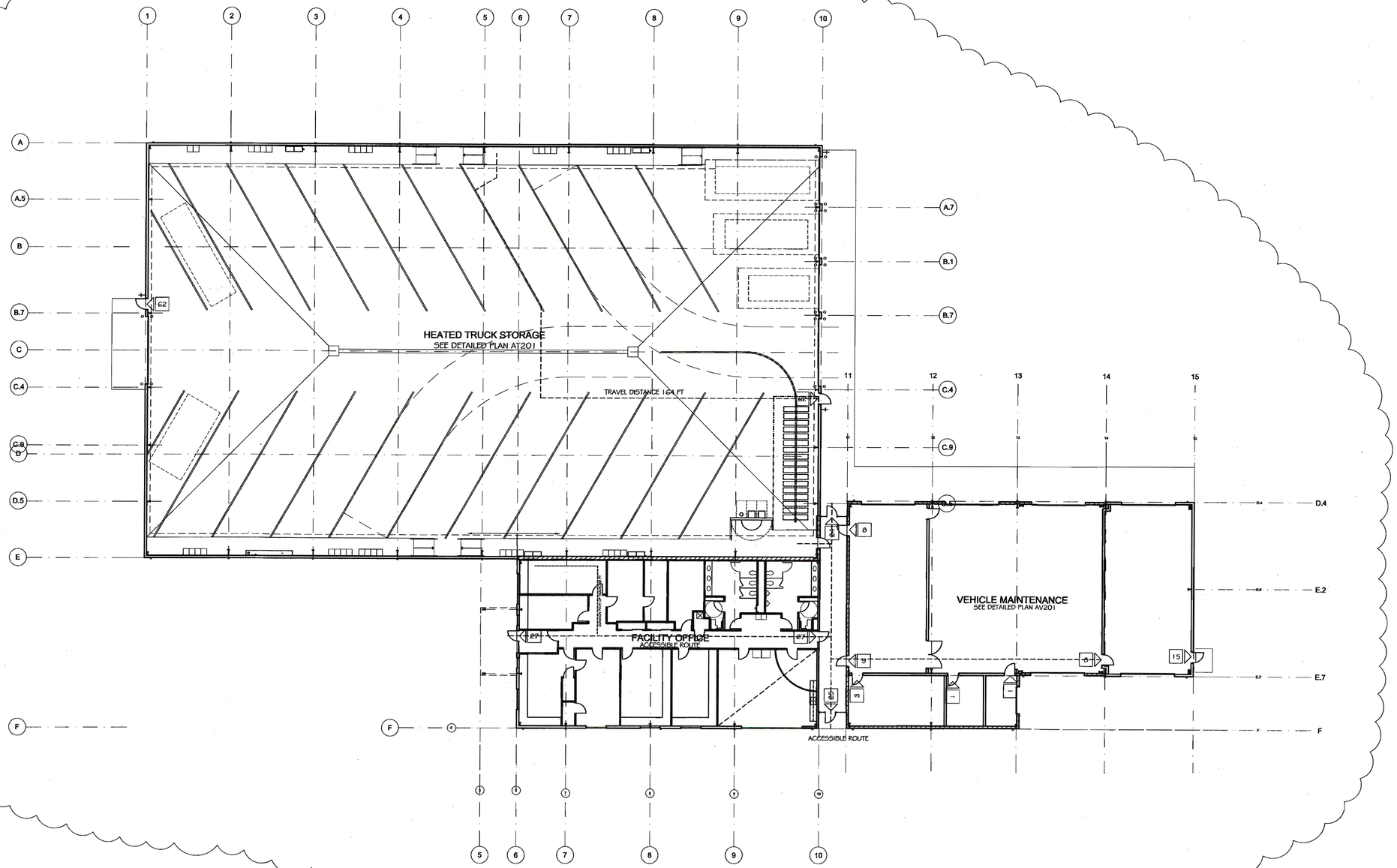
G201

GENERAL PROJECT INFORMATION

KEY

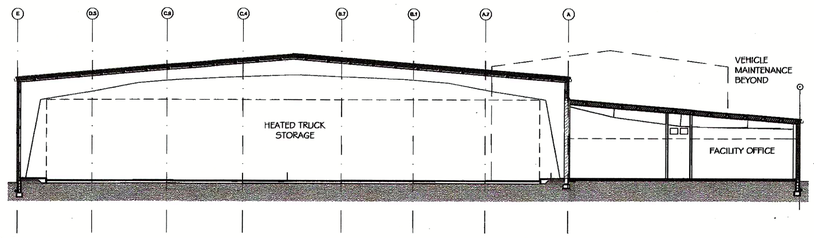
DIRECTION OF EGRESS OCCUPANTS



DETAIL P-AG201

0 16' NORTH

GARAGE FIRE SEPARATIONS (NONE) PLAN
GARAGE EGRESS PLAN
GARAGE ACCESSIBILITY PLAN



DETAIL U-AG201

0 16'

GARAGE FIRE SEPARATIONS SECTION (NONE)

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Resource Design, Inc.
RDI

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION
DOCUMENTS
MARCH 28, 2014

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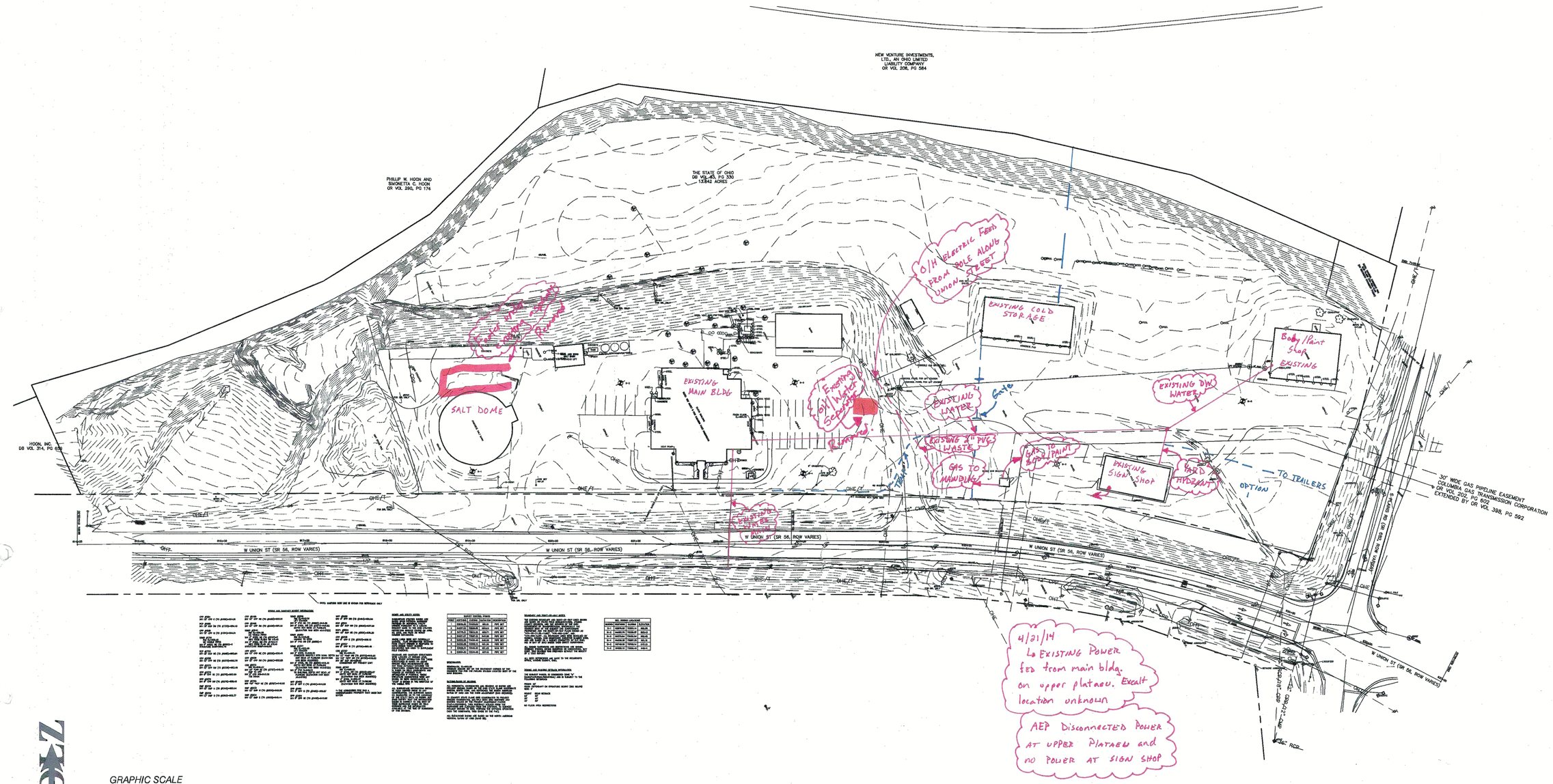
G202

GARAGE FIRE SEPARATIONS
EGRESS PLAN
ACCESSIBILITY PLAN



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700 WEST UNION STREET, ATHENS, OHIO

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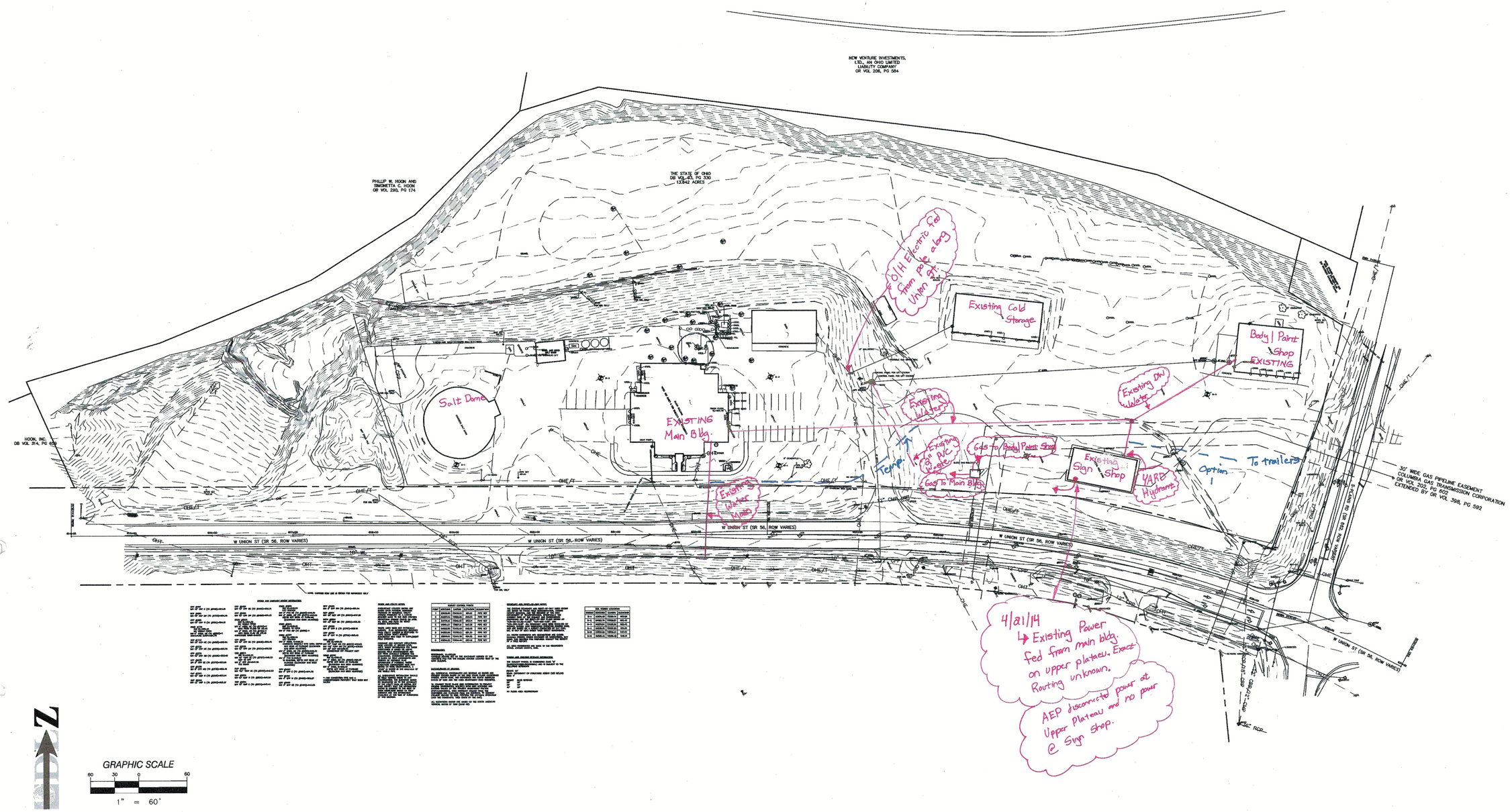
V101

TOPOGRAPHIC SURVEY



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ATHENS FULL SERVICE
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OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

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V101

GENERAL NOTES & DETAILS

TM THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.784.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 005

REQUEST FOR INFORMATION

TO: Sands Decker CPS
ATTN: Jason Stevens
EMAIL: jstevens@sandsdeckercps.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Toe Key Subdrainage

DATE: 2-Jun-14
PAGE: 1 of 1
DWG: C-002
SPEC: N/A

Please confirm the following items.

1. 6" Schedule 40 perforated pipe cannot be found. Please specify what type of pipe is to be used in the Toe Key detail on drawing C002 for both sub drainage pipes.
2. Is the pipe required to have a sock or do we just install the filter fabric around the stone?
3. The sub drainage pipe 16' +/- back into the hill, since 1.5% slope is required, to try and meet that would mean a total rise of 13' tall which could be or will be out of the hill side. Is it acceptable to cut the length in half and have this location to be the high point and slope the pipe north/south respectively. Confirm this is correct?
4. Confirm that the sub drainage pipe 16' +/- back into the hill is to be located just west of the proposed drive and not under the main building

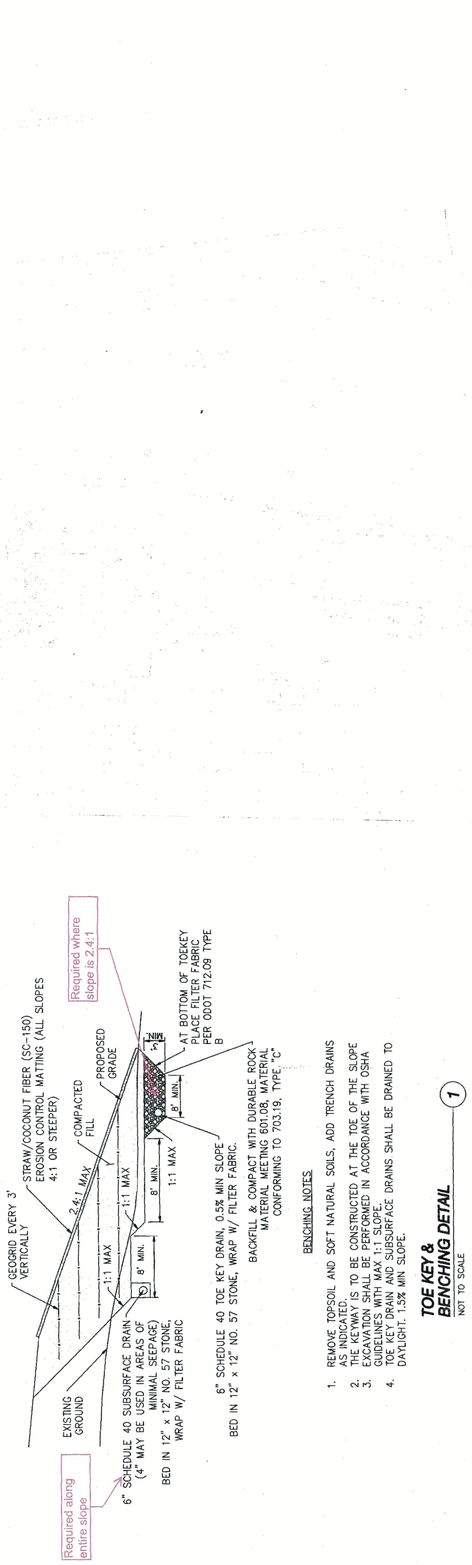
DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 2-Jun-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

ADS smooth wall interior, corrugated exterior perforated pipe is an option and should be available.
The toe key drain pipe and the subsurface drains can be in a filter fabric sock.
The sub drain shall slope at 1.5% min. form a midpoint in order to drain in either direction.
The sub drain pipe is necessary along the west of the proposed drive and not under the main building.

DATE OF REPLY: 6-3-14 **SIGNED:** Jason Stevens

FINAL DISTRIBUTION: File, Field



TOE KEY & BENCHING DETAIL (1)
NOT TO SCALE

BENCHING NOTES:

1. REMOVE TOPSOIL AND SOFT NATURAL SOILS, ADD TRENCH DRAINS AS INDICATED.
2. THE KEYWAY IS TO BE CONSTRUCTED AT THE TOE OF THE SLOPE
3. EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH OSHA GUIDELINES WITH MAX 1:1 SLOPE.
4. TOE KEY DRAIN AND SUBSURFACE DRAINS SHALL BE DRAINED TO DAYLIGHT. 1.5% MIN SLOPE.

TM THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.784.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 004

REQUEST FOR INFORMATION

TO: Sands Decker CPS
ATTN: Jason Stevens
EMAIL: jstevens@sandsdeckercps.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Toe Key Benching Detail

DATE: 30-May-14
PAGE: 1 of 1
DWG: C-002
SPEC: N/A

Please see below RFI from our Site Subcontractor.

Please provide some clarification on the Toe Key Benching detail per detail 1 on drawing C-002.

1). Specifically, does the toe key detail run the whole length of just the shaded area on drawing C202?

2). Does the surface drain located 16'+ back into the slope run the entire lenght of just the shaded area?

Please advise

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 30-May-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

Please see the attached pdf.

DATE OF REPLY: 5-30-14 **SIGNED:** Jason Stevens

FINAL DISTRIBUTION: File, Field

NEW VENTURE INVESTMENTS, LTD., AN OHIO LIMITED LIABILITY COMPANY OR VOL 205, PG 584

PHILIP W. HOON AND SIMONETTA C. HOON OR VOL 290, PG 174

THE STATE OF OHIO DB VOL 93, PG 330 13.642 ACRES

MARGARET RUN

FLOODWAY

ZONE AE

500 YR FLOOD

DETENTION BASIN

GRAVEL

ASPHALT

8" CPP

2" STEEL

EX. 30' GAS EASEMENT

25' BLDG SETBACK

R/W

W UNION ST (SR 56, ROW VARIES)

PLANKS RD (SR 682, ROW VARIES)

500 YR FLOOD LIMIT

NOTE: EASTERN ROW LINE IS SHOWN FOR REFERENCE ONLY

MATCH LINE - SEE BELOW

MATCH LINE - SEE ABOVE

NORTH

GRAPHIC SCALE

50 25 0 50

1" = 50'

OHIO Utilities Protection SERVICE
Call Before You Dig

1-800-362-2764

CALL TWO WORKING DAYS BEFORE YOU DIG (NON MEMBERS MUST BE CALLED DIRECTLY)

THOMAS & MARKER CONSTRUCTION

SANDS DECKER CPS ENGINEERS • SURVEYORS

STATE OF OHIO
J. SCOTT SANDS
55001
REGISTERED PROFESSIONAL ENGINEER

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

MAY 29, 2014

REVISED:

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OVERLAY PLAN

GENERAL: THE CURRENT STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOTCMS) TOGETHER WITH THE REQUIREMENTS OF THE CITY OF ATHENS, INCLUDING ALL SUPPLEMENTS THERETO, IN FORCE ON THE DATE OF CONTRACT, SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS. WHEN THERE IS OR APPEARS TO BE A CONFLICT BETWEEN THE ABOVE REFERENCED SPECIFICATIONS AND THESE PLANS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN. UNLESS OTHERWISE SPECIFIED, ALL ITEM NUMBERS REFER TO ODOTCMS.

PROJECT LIMITS: THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT, THE EXISTING RIGHTS-OF-WAY, CONSTRUCTION EASEMENTS AND PERMANENT EASEMENTS, AND SHALL NOT TRESPASS UPON PRIVATE PROPERTY WITHOUT WRITTEN CONSENT OF THE PROPERTY OWNER.

MISCELLANEOUS WORK: ALL ITEMS OF WORK CALLED FOR ON THE PLANS SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS.

DRAINAGE TILE: ALL FARM DRAINS, ROADWAY DRAINS, AND OTHER DRAINAGE TILE WHICH ARE ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS DURING CONSTRUCTION SHALL BE PROVIDED WITH AN UNOBSTRUCTED OUTLET. EXISTING COLLECTOR TILES WHICH ARE LOCATED BELOW THE PROPOSED FINISHED ELEVATION AND WHICH CROSS THE TRENCH SHALL BE REPLACED WITHIN THE TRENCH LIMITS BY ITEM 603 CONDUIT. THE LOCATION, TYPE, SIZE, AND GRADE OF THE REQUIRED REPLACEMENT SHALL BE DETERMINED BY THE PROJECT ENGINEER OR HIS SITE REPRESENTATIVE DURING CONSTRUCTION. NECESSARY BENDS OR FITTINGS, COMPACTED GRANULAR BACKFILL, AND ASSOCIATED ITEMS SHALL BE INCLUDED IN THE BID PRICE.

BORROW MATERIAL AND SURPLUS EXCAVATION: THE SITE SHALL BE CONSTRUCTED TO THE FINAL GRADES SHOWN ON THE PLANS. WHERE NECESSARY, THE CONTRACTOR SHALL OBTAIN SUITABLE BORROW MATERIAL ON-SITE OR OFF-SITE AS NEEDED TO COMPLETE THE SITE CONSTRUCTION AS DESCRIBED HEREIN. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION ON SITE AND, IF NECESSARY, SHALL HAUL SURPLUS EXCAVATED MATERIAL AWAY FROM THE SITE AND DISPOSE OF PROPERLY.

EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING EXISTING UTILITIES IS APPROXIMATE. THE LOCATION, SIZES, AND OTHER INFORMATION SHOWN IS ONLY AS ACCURATE AS THAT PROVIDED BY THE OWNERS OF THE UTILITY. THIS INFORMATION IS NOT REPRESENTED, WARRANTED OR GUARANTEED TO BE COMPLETE OR ACCURATE. THE ENGINEER DOES NOT INDEPENDENTLY VERIFY NOR FIELD LOCATE UTILITIES. THE CONTRACTOR IS RESPONSIBLE TO PHYSICALLY LOCATE AND VERIFY, IN THE FIELD, THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL SUPPORT, PROTECT AND RESTORE ALL EXISTING UTILITIES AND THEIR ASSOCIATED ITEMS. THE CONTRACTOR SHALL NOTIFY THE REGISTERED UTILITY PROTECTION SERVICE AND ALL UTILITY OWNERS HAVING FACILITIES IN THE CONSTRUCTION AREA WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE. THE CONTRACTOR SHALL ADHERE TO SECTION 153.64, OHIO REVISED CODE. THE CONTRACTOR SHALL GIVE NOTIFICATION AS REQUIRED BY OHIO REVISED CODE, AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, AND SHALL COORDINATE HIS WORK WITH THE UTILITY OWNERS UNTIL HIS WORK IS COMPLETED. THE CONTRACTOR SHALL KEEP THE UTILITY OWNERS APPRISED OF HIS SCHEDULE AND REQUIREMENTS AND SHALL PROVIDE THE PROJECT OWNER WITH EVIDENCE OF HAVING NOTIFIED THE UTILITIES AND PROVIDED THEM WITH HIS WORK SCHEDULE PRIOR TO BEGINNING ANY WORK.

CONTRACTORS REQUIRING MORE INFORMATION REGARDING EXISTING UTILITIES SHOULD CONDUCT THEIR OWN FIELD INVESTIGATIONS OR OTHERWISE LOCATE THE UTILITIES PRIOR TO SUBMITTING A BID FOR THE CONSTRUCTION. NOTICE SHALL BE GIVEN TO THE OHIO UTILITIES PROTECTION SERVICE (800-362-2764) FOR THE MEMBER UTILITIES.

PERMITS: THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS.

INSTALLATION IN EMBANKMENT: WHERE UTILITIES ARE TO BE INSTALLED IN EMBANKMENT AREAS, THE EMBANKMENT SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS, A MINIMUM OF 2 FEET ABOVE THE PIPE BUT SUFFICIENTLY ABOVE THE PIPE TO PROTECT THE PIPE FROM DAMAGE DUE TO FURTHER CONSTRUCTION ACTIVITIES PRIOR TO THE INSTALLATION OF THE UTILITY.

TEMPORARY PAVEMENT: TEMPORARY PAVEMENT REPLACEMENT SHALL BE PROVIDED ON PERMANENT PAVEMENT DAMAGED OR REMOVED BY THE CONTRACTOR IN THE PERFORMANCE OF THE WORK. AS SOON AS THE TRENCH HAS BEEN BACKFILLED, TEMPORARY PAVEMENT SHALL BE INSTALLED. THE ENGINEER MAY REQUIRE THAT ALL MATERIALS AND EQUIPMENT INCIDENTAL TO PROVIDING THE TEMPORARY PAVEMENT BE ON THE JOB SITE PRIOR TO REMOVING THE EXISTING PAVEMENT. TEMPORARY PAVEMENT SHALL CONSIST OF 2 INCHES OF ITEM 405, COMPACTED BITUMINOUS MATERIAL, PLACED UPON 6 INCHES OF COMPACTED ITEM 304, AGGREGATE BASE. TEMPORARY PAVEMENT SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT PAVEMENT IS INSTALLED.

PERMANENT PAVEMENT: WHERE DAMAGED OR REMOVED, THE PAVEMENT SHALL BE REPLACED BY FIRST REMOVING TEMPORARY PAVEMENT DOWN TO CLEAN GRANULAR MATERIAL AND REMOVING EXISTING PAVEMENT FOR AT LEAST 12 INCHES BEYOND THE TRENCH LIMITS ON EACH SIDE. PAVEMENT TO BE REMOVED SHALL BE NEATLY SAWED NOT MORE THAN 72 HOURS PRIOR TO THE PLACING OF PERMANENT PAVEMENT MATERIALS. PERMANENT PAVEMENT REPLACEMENT MATERIALS AND WORKMANSHIP SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS. ITEM 407, TACK COAT, SHALL BE APPLIED TO THE EXPOSED EXISTING PAVEMENT EDGES WHEN EITHER THE EXISTING OR NEW PAVEMENT IS BITUMINOUS MATERIAL. DEPENDING UPON THE BASE MATERIAL, ITEM 407, TACK COAT, OR ITEM 408, PRIME COAT, SHALL BE APPLIED TO THE BASE MATERIAL WHEN THE PERMANENT PAVEMENT IS BITUMINOUS MATERIAL, PRIOR TO THE PLACING OF THE PERMANENT PAVEMENT.

TRAFFIC CONTROL: THE CONTRACTOR SHALL USE ADEQUATE LIGHTS, SIGNS, FLAGGERS, AND BARRICADES AS REQUIRED IN ITEM 614 TO SAFEGUARD THE TRAVELING PUBLIC AT ALL TIMES. ALL TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS. WHERE IT IS ANTICIPATED THAT WORK WILL CLOSE A ROAD OR STREET, THE CONTRACTOR SHALL INFORM THE RESIDENTS TO BE AFFECTED, THE LOCAL LAW ENFORCEMENT AGENCY, THE LOCAL FIRE DEPARTMENT, AND THE ENGINEER AS TO THE EXTENT, NATURE, AND THE TIME OF THE ANTICIPATED WORK. THE CONTRACTOR SHALL SUBMIT A PLAN AND SCHEDULE FOR DETOURING TRAFFIC 10 DAYS PRIOR TO THE CLOSING OF ANY ROAD OR STREET TO THE ENGINEER AND ROAD OWNER. DURING A CLOSING OF A ROAD OR STREET, THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES FOR EMERGENCY VEHICLES AND THE PROPERTY OWNERS. NO ROAD OR STREET SHALL BE CLOSED UNTIL THE SCHEDULE IS APPROVED BY THE AGENCY HAVING CONTROL OF THE ROAD.

SAFETY OF CONSTRUCTION: THE CONTRACTOR SHALL COMPLY WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, FINDINGS AND ORDERS RELATING TO SAFETY AND HEALTH CONDITIONS ON THE WORK SITE. CONSTRUCTION METHODS FOR COMPLETING THE WORK DESCRIBED IN THESE CONTRACT DOCUMENTS SHALL BE CONSISTENT WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AMENDED CONSTRUCTION STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926, SUB-PART P, EFFECTIVE MARCH 5, 1990.

MANHOLE TOPS: WHERE MANHOLES ARE LOCATED WITHIN PUBLIC OR PRIVATE PAVEMENT, SIDEWALK, CONCRETE PAD OR PAVED SHOULDER, THE TOPS SHALL BE BUILT TO EXISTING PAVEMENT ELEVATIONS. ELSEWHERE MANHOLES SHALL BE BUILT OR SUBSEQUENTLY ADJUSTED TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE MANHOLE. THE COST OF ADJUSTMENT IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

FINAL GRADING AND CLEAN-UP: THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS OPERATION AND RESTORE ALL SURFACES, STRUCTURES, DITCHES, SIGNS, MAILBOXES, FENCES, GUARDRAILS, OR OTHER PHYSICAL FEATURES OR PROPERTY DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER. THE COST OF ALL SUCH WORK SHALL BE INCLUDED WITH THE VARIOUS RELATED ITEMS.

SEEDING AND MULCHING: ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND ELEVATION OR TO THE PROPOSED ELEVATIONS SHOWN ON THE DRAWINGS, AND PROPER DRAINAGE SHALL BE PROVIDED. AFTER FINAL GRADING, THE SEED BED SHALL BE RAKED AND ALL STONES, CLODS, LUMPS AND OTHER FOREIGN MATERIAL GREATER THAN 1" IN DIAMETER SHALL BE REMOVED PRIOR TO SEEDING AND MULCHING. ALL AREAS SHALL BE SEEDED PER THE URBAN SEED MIX OF ITEM 659.09. THE CONTRACTOR SHALL WATER, RE-SEED AND MULCH AS NECESSARY UNTIL AN ACCEPTABLE STAND OF GRASS IS ACHIEVED.

CONFLICTS IN GRADE: IN ALL CONFLICTS IN GRADE BETWEEN THE WATER LINES OR WATER SERVICES AND OTHER EXISTING UTILITIES, THE WATER LINE/SERVICE LINE SHALL BE LOWERED DURING CONSTRUCTION. A MINIMUM 18 INCHES VERTICAL AND 10 FEET HORIZONTAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE WATER LINE AND ANY SANITARY SEWER; 12 INCHES MINIMUM VERTICAL CLEARANCE FOR OTHER UTILITIES. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AHEAD OF HIS CONSTRUCTION OPERATIONS TO ALLOW FOR ADJUSTMENTS IN GRADE TO THE WATER LINE THAT MAY BE REQUIRED AS A RESULT OF POTENTIAL CONFLICTS WITH AN EXISTING UTILITY. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR LOWERING THE WATER LINE TO AVOID CONFLICTS WITH EXISTING UTILITIES.

CONTAMINATED SOILS NOTES

THE CONTRACTOR IS REQUIRED BY OSHA AND SHALL PREPARE AND HAVE A SITE SPECIFIC HEALTH AND SAFETY PLAN (SSHSP) WHEN WORKING WITHIN THE CONTAMINATION ZONES OF THIS PROJECT.

THE CONTRACTOR IS RESPONSIBLE FOR THE HEALTH AND SAFETY OF THEIR FORCES. THE CONTRACTOR IS REQUIRED TO HAVE THE SSHSP AVAILABLE AT THE PROJECT SITE FOR INSPECTION. IN NO CASE WILL THE DEPARTMENT ACCEPT OR APPROVE A CONTRACTOR'S SSHSP.

UNDER CMS 105.11, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ACCESS TO THE WORK TO PERFORM THE INSPECTIONS. THE CONTRACTOR CANNOT RESTRICT THE INSPECTION OF THE WORK WHEN THE INSPECTION FORCES MEET MINIMUM TRAINING REQUIREMENTS OF THE SSHSP.

THE SSHSP WILL CONTAIN THE FOLLOWING INFORMATION:
1) SAFETY AND HEALTH RISK OR HAZARD ANALYSIS.
2) EMPLOYEE TRAINING ASSIGNMENTS.
3) PERSONAL PROTECTIVE EQUIPMENTS REQUIREMENTS.
4) MEDICAL SURVEILLANCE REQUIREMENTS.
5) FREQUENCY AND TYPES OF AIR MONITORING.
6) SITE CONTROL MEASURES.
7) DECONTAMINATION PROCEDURES.
8) AN EMERGENCY RESPONSE PLAN.
9) CONFINE SPACE ENTRY PROCEDURES.
10) SPILL CONTAINMENT PROGRAM.

SITE SPECIFIC HEALTH AND SAFETY PLAN (SSHSP): THE CONTRACTOR SHALL CERTIFY IN WRITING TO THE ENGINEER WITHIN TWO WEEKS AFTER CONTRACT EXECUTION THAT THE CONTRACTOR HAS PREPARED A SSHSP IN ACCORDANCE WITH OSHA 29 CFR PART 1910.120 FOR OPERATIONS INVOLVING HAZARDOUS SUBSTANCES WITHIN THE AFOREMENTIONED LIMITS. THE CONTRACTOR SHALL MAKE THE SSHSP AVAILABLE AT THE PROJECT SITE. COPIES OF THE ENVIRONMENTAL STUDIES ARE AVAILABLE FOR EXAMINATION UPON REQUEST. THIS INFORMATION MAY BE USED BY THE CONTRACTOR TO DEVELOP THE SSHSP.

MATERIAL SAMPLING: THE CONTRACTOR SHALL ARRANGE FOR THE NECESSARY TESTING SERVICES. ALL MATERIAL EXCAVATED BY THE CONTRACTOR BETWEEN THESE LIMITS DURING CONSTRUCTION SHALL BE SUBJECT TO TESTING. AT THE DISCRETION OF THE INSPECTOR, THE EXCAVATED MATERIAL WHICH EXHIBITS PETROLEUM CONTAMINATION SHALL BE STOCKPILED AND SEGREGATED WHILE SAMPLES OF THE MATERIAL ARE ANALYZED BY AN INDEPENDENT ANALYTICAL LABORATORY. FIELD-SCREENING RESULTS AND VISUAL OBSERVATION WILL BE THE BASIS FOR SEGREGATING EXCAVATED MATERIAL. SOIL SAMPLES SHALL TO BE TESTED FOR BTEX (BENZENE, TOLUENE, ETHYL BENZENE, & XYLENE) BY METHOD 8020 AND TPH BY METHOD 8015. IF THE BTEX AND/OR TPH LEVEL EXCEED LEVELS SET FORTH BY THE OHIO EPA PETROLEUM CONTAMINATED SOIL POLICY, THE MATERIAL SHALL BE TREATED AS PETROLEUM-CONTAMINATED SOIL. ALL FIELD-SCREENING INSTRUMENTS AND INITIAL SAMPLING AND ANALYSIS OF SOILS WILL BE PROVIDED BY THE CONTRACTOR.

TEMPORARY STORAGE OF CONTAMINATED SOILS: ALL EXCAVATED MATERIAL WHICH IS DETERMINED TO BE POTENTIALLY CONTAMINATED WITH PETROLEUM SUBSTANCES SHALL TO BE STOCKPILED IN AN AREA PROVIDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL STOCKPILE THE MATERIAL IN A LEAK PROOF, COVERED CONTAINER PROVIDED BY THE CONTRACTOR. THE MATERIAL SHALL REMAIN ON-SITE UNTIL ON AN IMPERMEABLE MEMBRANE. THE MEMBRANE SHOULD BE SURROUNDED BY BALES OF STRAW TO PREVENT THE SUSPECT SOILS FROM COMING IN CONTACT WITH THE ORIGINAL SOILS. AN IMPERMEABLE MEMBRANE SHALL BE PLACED OVER THE STOCKPILE TO PREVENT CONTACT WITH PRECIPITATION AND/OR SURFACE RUN-OFF.

MATERIAL EVALUATION: THE LABORATORY WILL DETERMINE IF THE EXCAVATED MATERIAL IS PETROLEUM-CONTAMINATED SOIL (PCS) BASED ON THE ANALYTICAL TEST RESULTS. THE ENGINEER WILL PROVIDE THE CONTRACTOR WITH THESE TEST RESULTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS AND TO TRANSPORT THE MATERIAL TO A LICENSED (BY THE LOCAL HEALTH DEPT.) AND PERMITTED (BY THE OHIO ENVIRONMENTAL PROTECTION AGENCY) SOLID WASTE FACILITY OR A PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (PCSRF) FOR PROPER DISPOSAL OR REMEDIATION. PRIOR TO DISPOSAL, THE CONTRACTOR SHALL CONTACT THE PROPOSED FACILITY TO DETERMINE THE ADDITIONAL TESTING REQUIRED FOR DISPOSAL OR REMEDIATION AT THAT FACILITY. THE PRICES FOR THESE TESTS ARE TO BE INCLUDED IN THE PAY ITEMS. THE WORK INVOLVED IN THE PAY ITEMS INCLUDES DEVELOPING AND COMPLYING WITH A SSHSP; HANDLING, STORAGE, TESTING (FOR DISPOSAL OR REMEDIATION), AND DISPOSAL OR REMEDIATION OF PCS.

ALL EXCAVATED AREAS SHALL BE BACKFILLED WITH SUITABLE MATERIAL IN ACCORDANCE WITH THE PROJECT PLANS, APPLICABLE ODOT SPECIFICATIONS, AND/OR AS DIRECTED BY THE ENGINEER. ALL SURPLUS OR UNSUITABLE EXCAVATED MATERIAL THAT CAN BE USED IN EMBANKMENTS SHALL TO BE DISPOSED OF IN ACCORDANCE WITH ITEM 203.05 OF ODOT'S CMS.

ALL TRANSPORT VEHICLES USED FOR THE MOVEMENT OF REGULATED SOILS AND/OR WATER SHALL MEET APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN RECORDS (SUCH AS DAILY LOGS, LANDFILL TICKETS, MANIFESTS, ETC.) DOCUMENT THE SOURCE, MOVEMENT, AND DESTINATION OF EACH TRUCKLOAD OF CONTAMINATED SOIL. ONE COPY OF EACH OF THESE RECORDS SHALL BE SUBMITTED TO THE ENGINEER.

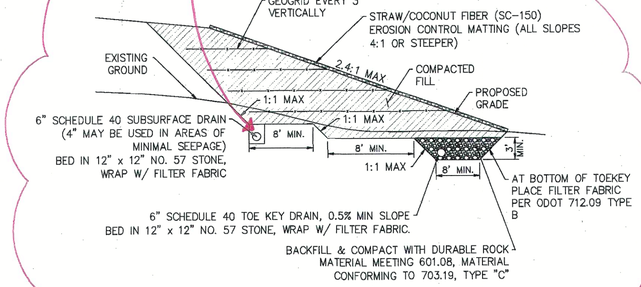
BASIS OF PAYMENT: THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROPERLY DEVELOP AND COMPLY WITH A SSHSP, EXCAVATE, STORE, TEST (FOR DISPOSAL), TRANSPORT, AND DISPOSE OF CONTAMINATED MATERIALS, REMOVAL OF UNDERGROUND STORAGE TANKS, INCLUDING ANY REQUIRED , APPROVALS, OR FEES WITHIN THE LIMITS IDENTIFIED ABOVE.

POTENTIAL DEWATERING OF EXCAVATED AREAS: IF THE EXCAVATIONS IN THE AFOREMENTIONED SEDIMENTS REQUIRE DEWATERING FOR CONSTRUCTION PURPOSES, THE CONTRACTOR SHALL DEWATER, CONTAINERIZE, TEST, AND SUBSEQUENTLY DISPOSE OF WATERS BY METHODS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS AND/OR AUTHORIZATIONS NEEDED TO STORE, TEST, TRANSPORT AND DISPOSE OF THE WATER IN ACCORDANCE WITH APPLICABLE LOCAL, STATE OR FEDERAL REGULATIONS.

GENERAL NOTES: ALL TRANSPORT VEHICLES USED FOR THE MOVEMENT OF REGULATED SEDIMENTS OR WATER SHALL MEET APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN RECORDS (SUCH AS MANIFESTS, LANDFILL TICKETS, DAILY LOGS, ETC.) TO DOCUMENT THE SOURCE, MOVEMENT, AND DESTINATION OF EACH TRUCKLOAD OF CONTAMINATED SEDIMENTS AND/OR WATER. ONE COPY OF EACH OF THESE RECORDS SHALL BE SUBMITTED TO THE ENGINEER.

BASIS OF PAYMENT: AN ALLOWANCE HAS BEEN PROVIDED FOR THE CONTRACTOR FURNISH ALL THE LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROPERLY DEVELOP AND COMPLY WITH A SSHSP, AND HANDLE, STORE, TEST, TRANSPORT, AND DISPOSE OF REGULATED MATERIALS, INCLUDING ANY REQUIRED PERMITS, APPROVALS, OR FEES WITHIN THE LIMITS IDENTIFIED ABOVE.

5/28/14. Per Jason, move west of proposed drive and do not put under any bldgs. Day light north of detention pond.

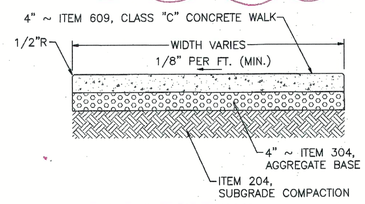


BENCHING NOTES

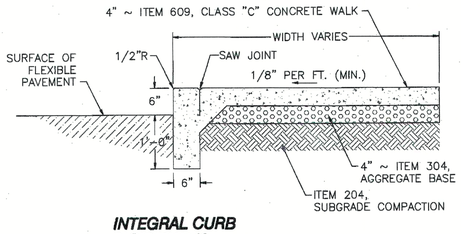
1. REMOVE TOPSOIL AND SOFT NATURAL SOILS, ADD TRENCH DRAINS AS INDICATED.
2. THE KEYWAY IS TO BE CONSTRUCTED AT THE TOE OF THE SLOPE
3. EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH OSHA GUIDELINES WITH MAX 1:1 SLOPE.
4. TOE KEY DRAIN AND SUBSURFACE DRAINS SHALL BE DRAINED TO DAYLIGHT. 1.5% MIN SLOPE.

TOE KEY & BENCHING DETAIL (1) — NOT TO SCALE

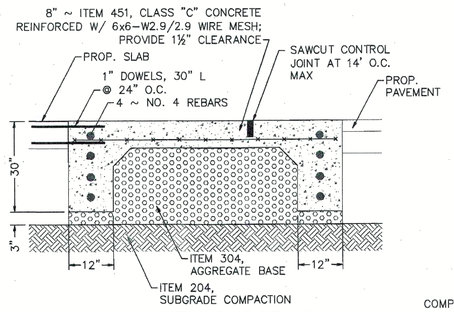
RFI 04 & RFI 05



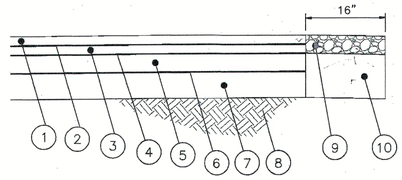
CONCRETE SIDEWALK (2) — NOT TO SCALE



INTEGRAL CURB & SIDEWALK (3) — NOT TO SCALE

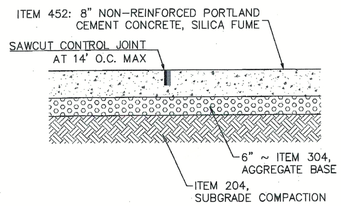


CONCRETE APRON & DUMPSTER PAD (4) — NOT TO SCALE

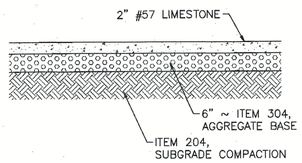


1. 2" ~ ITEM 448, ASPHALT CONCRETE, SURFACE COURSE
2. ITEM 407, TACK COAT (0.25 GAL/SY)
3. 2" ~ ITEM 448, ASPHALT CONCRETE, INTERMEDIATE COURSE
4. ITEM 407, TACK COAT (0.25 GAL/SY)
5. 4" ~ ITEM 301 ASPHALT CONCRETE BASE
6. ITEM 408, PRIME COAT (0.35 GAL/SY)
7. 10" ~ ITEM 304, AGGREGATE BASE
8. ITEM 204, SUBGRADE COMPACTION
9. 2" ~ NO. 57 LIMESTONE
10. ITEM 304, AGGREGATE BERM

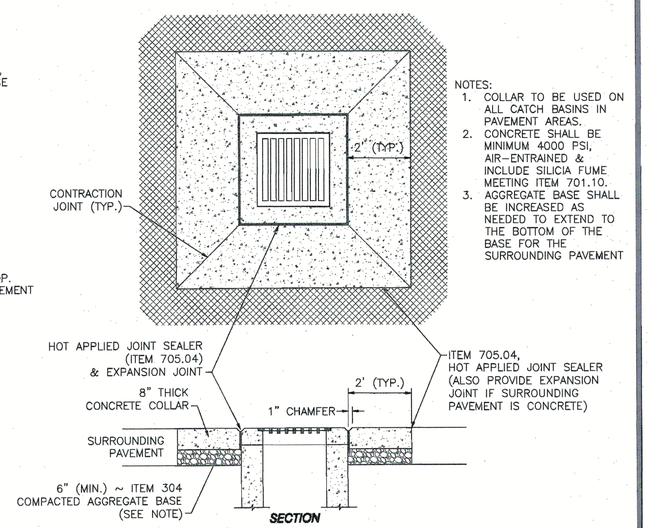
HEAVY DUTY PAVEMENT (5) — NOT TO SCALE



CONCRETE PAVEMENT (6) — NOT TO SCALE



AGGREGATE LAYDOWN AREA (7) — NOT TO SCALE



NOTES:
1. COLLAR TO BE USED ON ALL CATCH BASINS IN PAVEMENT AREAS.
2. CONCRETE SHALL BE MINIMUM 4000 PSI, AIR-ENTRAINED & INCLUDE SILICIA FUME MEETING ITEM 701.10.
3. AGGREGATE BASE SHALL BE INCREASED AS NEEDED TO EXTEND TO THE BOTTOM OF THE BASE FOR THE SURROUNDING PAVEMENT

CONCRETE STRUCTURE COLLAR (8) — NOT TO SCALE

THOMAS & MARKER CONSTRUCTION
SANDS DECKER CPS ENGINEERS • SURVEYORS

STATE OF OHIO J. SCOTT SANDS 55001 REGISTERED PROFESSIONAL ENGINEER

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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C002

GENERAL NOTES & DETAILS

GENERAL: THE CURRENT STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOTCMS) TOGETHER WITH THE REQUIREMENTS OF THE CITY OF ATHENS, INCLUDING ALL SUPPLEMENTS THERETO, IN FORCE ON THE DATE OF CONTRACT, SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS. WHEN THERE IS OR APPEARS TO BE A CONFLICT BETWEEN THE ABOVE REFERENCED SPECIFICATIONS AND THESE PLANS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN. UNLESS OTHERWISE SPECIFIED, ALL ITEM NUMBERS REFER TO ODOTCMS.

PROJECT LIMITS: THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT, THE EXISTING RIGHTS-OF-WAY, CONSTRUCTION EASEMENTS AND PERMANENT EASEMENTS, AND SHALL NOT TRESPASS UPON PRIVATE PROPERTY WITHOUT WRITTEN CONSENT OF THE PROPERTY OWNER.

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BORROW MATERIAL AND SURPLUS EXCAVATION: THE SITE SHALL BE CONSTRUCTED TO THE FINAL GRADES SHOWN ON THE PLANS. WHERE NECESSARY, THE CONTRACTOR SHALL OBTAIN SUITABLE BORROW MATERIAL ON-SITE OR OFF-SITE AS NEEDED TO COMPLETE THE SITE CONSTRUCTION AS DESCRIBED HEREIN. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION ON SITE AND, IF NECESSARY, SHALL HAUL SURPLUS EXCAVATED MATERIAL AWAY FROM THE SITE AND DISPOSE OF PROPERLY.

EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING EXISTING UTILITIES IS APPROXIMATE. THE LOCATION, SIZES, AND OTHER INFORMATION SHOWN IS ONLY AS ACCURATE AS THAT PROVIDED BY THE OWNERS OF THE UTILITY. THIS INFORMATION IS NOT REPRESENTED, WARRANTED OR GUARANTEED TO BE COMPLETE OR ACCURATE. THE ENGINEER DOES NOT INDEPENDENTLY VERIFY NOR FIELD LOCATE UTILITIES. THE CONTRACTOR IS RESPONSIBLE TO PHYSICALLY LOCATE AND VERIFY, IN THE FIELD, THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL SUPPORT, PROTECT AND RESTORE ALL EXISTING UTILITIES AND THEIR ASSOCIATED ITEMS. THE CONTRACTOR SHALL NOTIFY THE REGISTERED UTILITY PROTECTION SERVICE AND ALL UTILITY OWNERS HAVING FACILITIES IN THE CONSTRUCTION AREA WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE. THE CONTRACTOR SHALL ADHERE TO SECTION 153.64, OHIO REVISED CODE. THE CONTRACTOR SHALL GIVE NOTIFICATION AS REQUIRED BY OHIO REVISED CODE, AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, AND SHALL COORDINATE HIS WORK WITH THE UTILITY OWNERS UNTIL HIS WORK IS COMPLETED. THE CONTRACTOR SHALL KEEP THE UTILITY OWNERS APPRISED OF HIS SCHEDULE AND REQUIREMENTS AND SHALL PROVIDE THE PROJECT OWNER WITH EVIDENCE OF HAVING NOTIFIED THE UTILITIES AND PROVIDED THEM WITH HIS WORK SCHEDULE PRIOR TO BEGINNING ANY WORK.

CONTRACTORS REQUIRING MORE INFORMATION REGARDING EXISTING UTILITIES SHOULD CONDUCT THEIR OWN FIELD INVESTIGATIONS OR OTHERWISE LOCATE THE UTILITIES PRIOR TO SUBMITTING A BID FOR THE CONSTRUCTION. NOTICE SHALL BE GIVEN TO THE OHIO UTILITIES PROTECTION SERVICE (800-362-2764) FOR THE MEMBER UTILITIES.

PERMITS: THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS.

INSTALLATION IN EMBANKMENT: WHERE UTILITIES ARE TO BE INSTALLED IN EMBANKMENT AREAS, THE EMBANKMENT SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS, A MINIMUM OF 2 FEET ABOVE THE PIPE BUT SUFFICIENTLY ABOVE THE PIPE TO PROTECT THE PIPE FROM DAMAGE DUE TO FURTHER CONSTRUCTION ACTIVITIES PRIOR TO THE INSTALLATION OF THE UTILITY.

TEMPORARY PAVEMENT: TEMPORARY PAVEMENT REPLACEMENT SHALL BE PROVIDED ON PERMANENT PAVEMENT DAMAGED OR REMOVED BY THE CONTRACTOR IN THE PERFORMANCE OF THE WORK. AS SOON AS THE TRENCH HAS BEEN BACKFILLED, TEMPORARY PAVEMENT SHALL BE INSTALLED. THE ENGINEER MAY REQUIRE THAT ALL MATERIALS AND EQUIPMENT INCIDENTAL TO PROVIDING THE TEMPORARY PAVEMENT BE ON THE JOB SITE PRIOR TO REMOVING THE EXISTING PAVEMENT. TEMPORARY PAVEMENT SHALL CONSIST OF 2 INCHES OF ITEM 405, COMPACTED BITUMINOUS MATERIAL, PLACED UPON 6 INCHES OF COMPACTED ITEM 304, AGGREGATE BASE. TEMPORARY PAVEMENT SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT PAVEMENT IS INSTALLED.

PERMANENT PAVEMENT: WHERE DAMAGED OR REMOVED, THE PAVEMENT SHALL BE REPLACED BY FIRST REMOVING TEMPORARY PAVEMENT DOWN TO CLEAN GRANULAR MATERIAL AND REMOVING EXISTING PAVEMENT FOR AT LEAST 12 INCHES BEYOND THE TRENCH LIMITS ON EACH SIDE. PAVEMENT TO BE REMOVED SHALL BE NEATLY SAWED NOT MORE THAN 72 HOURS PRIOR TO THE PLACING OF PERMANENT PAVEMENT MATERIALS. PERMANENT PAVEMENT REPLACEMENT MATERIALS AND WORKMANSHIP SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS. ITEM 407, TACK COAT, SHALL BE APPLIED TO THE EXPOSED EXISTING PAVEMENT EDGES WHEN EITHER THE EXISTING OR NEW PAVEMENT IS BITUMINOUS MATERIAL. DEPENDING UPON THE BASE MATERIAL, ITEM 407, TACK COAT, OR ITEM 408, PRIME COAT, SHALL BE APPLIED TO THE BASE MATERIAL WHEN THE PERMANENT PAVEMENT IS BITUMINOUS MATERIAL, PRIOR TO THE PLACING OF THE PERMANENT PAVEMENT.

TRAFFIC CONTROL: THE CONTRACTOR SHALL USE ADEQUATE LIGHTS, SIGNS, FLAGGERS, AND BARRICADES AS REQUIRED IN ITEM 614 TO SAFEGUARD THE TRAVELING PUBLIC AT ALL TIMES. ALL TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS. WHERE IT IS ANTICIPATED THAT WORK WILL CLOSE A ROAD OR STREET, THE CONTRACTOR SHALL INFORM THE RESIDENTS TO BE AFFECTED, THE LOCAL LAW ENFORCEMENT AGENCY, THE LOCAL FIRE DEPARTMENT, AND THE ENGINEER AS TO THE EXTENT, NATURE, AND THE TIME OF THE ANTICIPATED WORK. THE CONTRACTOR SHALL SUBMIT A PLAN AND SCHEDULE FOR DETOURING TRAFFIC 10 DAYS PRIOR TO THE CLOSING OF ANY ROAD OR STREET TO THE ENGINEER AND ROAD OWNER. DURING A CLOSING OF A ROAD OR STREET, THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES FOR EMERGENCY VEHICLES AND THE PROPERTY OWNERS. NO ROAD OR STREET SHALL BE CLOSED UNTIL THE SCHEDULE IS APPROVED BY THE AGENCY HAVING CONTROL OF THE ROAD.

SAFETY OF CONSTRUCTION: THE CONTRACTOR SHALL COMPLY WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, FINDINGS AND ORDERS RELATING TO SAFETY AND HEALTH CONDITIONS ON THE WORK SITE. CONSTRUCTION METHODS FOR COMPLETING THE WORK DESCRIBED IN THESE CONTRACT DOCUMENTS SHALL BE CONSISTENT WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AMENDED CONSTRUCTION STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926, SUB-PART P, EFFECTIVE MARCH 5, 1990.

MANHOLE TOPS: WHERE MANHOLES ARE LOCATED WITHIN PUBLIC OR PRIVATE PAVEMENT, SIDEWALK, CONCRETE PAD OR PAVED SHOULDER, THE TOPS SHALL BE BUILT TO EXISTING PAVEMENT ELEVATIONS. ELSEWHERE MANHOLES SHALL BE BUILT OR SUBSEQUENTLY ADJUSTED TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE MANHOLE. THE COST OF ADJUSTMENT IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

FINAL GRADING AND CLEAN-UP: THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS OPERATION AND RESTORE ALL SURFACES, STRUCTURES, DITCHES, SIGNS, MAILBOXES, FENCES, GUARDRAILS, OR OTHER PHYSICAL FEATURES OR PROPERTY DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER. THE COST OF ALL SUCH WORK SHALL BE INCLUDED WITH THE VARIOUS RELATED ITEMS.

SEEDING AND MULCHING: ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND ELEVATION OR TO THE PROPOSED ELEVATIONS SHOWN ON THE DRAWINGS, AND PROPER DRAINAGE SHALL BE PROVIDED. AFTER FINAL GRADING, THE SEED BED SHALL BE RAKED AND ALL STONES, CLODS, LUMPS AND OTHER FOREIGN MATERIAL GREATER THAN 1" IN DIAMETER SHALL BE REMOVED PRIOR TO SEEDING AND MULCHING. ALL AREAS SHALL BE SEEDED PER THE URBAN SEED MIX OF ITEM 659.09. THE CONTRACTOR SHALL WATER, RE-SEED AND MULCH AS NECESSARY UNTIL AN ACCEPTABLE STAND OF GRASS IS ACHIEVED.

CONFLICTS IN GRADE: IN ALL CONFLICTS IN GRADE BETWEEN THE WATER LINES OR WATER SERVICES AND OTHER EXISTING UTILITIES, THE WATER LINE/SERVICE LINE SHALL BE LOWERED DURING CONSTRUCTION. A MINIMUM 18 INCHES VERTICAL AND 10 FEET HORIZONTAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE WATER LINE AND ANY SANITARY SEWER; 12 INCHES MINIMUM VERTICAL CLEARANCE FOR OTHER UTILITIES. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AHEAD OF HIS CONSTRUCTION OPERATIONS TO ALLOW FOR ADJUSTMENTS IN GRADE TO THE WATER LINE THAT MAY BE REQUIRED AS A RESULT OF POTENTIAL CONFLICTS WITH AN EXISTING UTILITY. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR LOWERING THE WATER LINE TO AVOID CONFLICTS WITH EXISTING UTILITIES.

CONTAMINATED SOILS NOTES

THE CONTRACTOR IS REQUIRED BY OSHA AND SHALL PREPARE AND HAVE A SITE SPECIFIC HEALTH AND SAFETY PLAN (SSHSP) WHEN WORKING WITHIN THE CONTAMINATION ZONES OF THIS PROJECT.

THE CONTRACTOR IS RESPONSIBLE FOR THE HEALTH AND SAFETY OF THEIR FORCES. THE CONTRACTOR IS REQUIRED TO HAVE THE SSHSP AVAILABLE AT THE PROJECT SITE FOR INSPECTION. IN NO CASE WILL THE DEPARTMENT ACCEPT OR APPROVE A CONTRACTOR'S SSHSP.

UNDER CMS 105.11, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ACCESS TO THE WORK TO PERFORM THE INSPECTIONS. THE CONTRACTOR CANNOT RESTRICT THE INSPECTION OF THE WORK WHEN THE INSPECTION FORCES MEET MINIMUM TRAINING REQUIREMENTS OF THE SSHSP.

THE SSHSP WILL CONTAIN THE FOLLOWING INFORMATION:
1) SAFETY AND HEALTH RISK OR HAZARD ANALYSIS.
2) EMPLOYEE TRAINING ASSIGNMENTS.
3) PERSONAL PROTECTIVE EQUIPMENTS REQUIREMENTS.
4) MEDICAL SURVEILLANCE REQUIREMENTS.
5) FREQUENCY AND TYPES OF AIR MONITORING.
6) SITE CONTROL MEASURES.
7) DECONTAMINATION PROCEDURES.
8) AN EMERGENCY RESPONSE PLAN.
9) CONFINE SPACE ENTRY PROCEDURES.
10) SPILL CONTAINMENT PROGRAM.

SITE SPECIFIC HEALTH AND SAFETY PLAN (SSHSP): THE CONTRACTOR SHALL CERTIFY IN WRITING TO THE ENGINEER WITHIN TWO WEEKS AFTER CONTRACT EXECUTION THAT THE CONTRACTOR HAS PREPARED A SSHSP IN ACCORDANCE WITH OSHA 29 CFR PART 1910.120 FOR OPERATIONS INVOLVING HAZARDOUS SUBSTANCES WITHIN THE AFOREMENTIONED LIMITS. THE CONTRACTOR SHALL MAKE THE SSHSP AVAILABLE AT THE PROJECT SITE. COPIES OF THE ENVIRONMENTAL STUDIES ARE AVAILABLE FOR EXAMINATION UPON REQUEST. THIS INFORMATION MAY BE USED BY THE CONTRACTOR TO DEVELOP THE SSHSP.

MATERIAL SAMPLING: THE CONTRACTOR SHALL ARRANGE FOR THE NECESSARY TESTING SERVICES. ALL MATERIAL EXCAVATED BY THE CONTRACTOR BETWEEN THESE LIMITS DURING CONSTRUCTION SHALL BE SUBJECT TO TESTING. AT THE DISCRETION OF THE INSPECTOR, THE EXCAVATED MATERIAL WHICH EXHIBITS PETROLEUM CONTAMINATION SHALL BE STOCKPILED AND SEGREGATED WHILE SAMPLES OF THE MATERIAL ARE ANALYZED BY AN INDEPENDENT ANALYTICAL LABORATORY. FIELD-SCREENING RESULTS AND VISUAL OBSERVATION WILL BE THE BASIS FOR SEGREGATING EXCAVATED MATERIAL. SOIL SAMPLES SHALL TO BE TESTED FOR BTEX (BENZENE, TOLUENE, ETHYL BENZENE, & XYLENE) BY METHOD 8020 AND TPH BY METHOD 8015. IF THE BTEX AND/OR TPH LEVEL EXCEED LEVELS SET FORTH BY THE OHIO EPA PETROLEUM CONTAMINATED SOIL POLICY, THE MATERIAL SHALL BE TREATED AS PETROLEUM-CONTAMINATED SOIL. ALL FIELD-SCREENING INSTRUMENTS AND INITIAL SAMPLING AND ANALYSIS OF SOILS WILL BE PROVIDED BY THE CONTRACTOR.

TEMPORARY STORAGE OF CONTAMINATED SOILS: ALL EXCAVATED MATERIAL WHICH IS DETERMINED TO BE POTENTIALLY CONTAMINATED WITH PETROLEUM SUBSTANCES SHALL TO BE STOCKPILED IN AN AREA PROVIDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL STOCKPILE THE MATERIAL IN A LEAK PROOF, COVERED CONTAINER PROVIDED BY THE CONTRACTOR. THE MATERIAL SHALL REMAIN ON-SITE UNTIL ON AN IMPERMEABLE MEMBRANE. THE MEMBRANE SHOULD BE SURROUNDED BY BALES OF STRAW TO PREVENT THE SUSPECT SOILS FROM COMING IN CONTACT WITH THE ORIGINAL SOILS. AN IMPERMEABLE MEMBRANE SHALL BE PLACED OVER THE STOCKPILE TO PREVENT CONTACT WITH PRECIPITATION AND/OR SURFACE RUN-OFF.

MATERIAL EVALUATION: THE LABORATORY WILL DETERMINE IF THE EXCAVATED MATERIAL IS PETROLEUM-CONTAMINATED SOIL (PCS) BASED ON THE ANALYTICAL TEST RESULTS. THE ENGINEER WILL PROVIDE THE CONTRACTOR WITH THESE TEST RESULTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS AND TO TRANSPORT THE MATERIAL TO A LICENSED (BY THE LOCAL HEALTH DEPT.) AND PERMITTED (BY THE OHIO ENVIRONMENTAL PROTECTION AGENCY) SOLID WASTE FACILITY OR A PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (PCSRF) FOR PROPER DISPOSAL OR REMEDIATION. PRIOR TO DISPOSAL, THE CONTRACTOR SHALL CONTACT THE PROPOSED FACILITY TO DETERMINE THE ADDITIONAL TESTING REQUIRED FOR DISPOSAL OR REMEDIATION AT THAT FACILITY. THE PRICES FOR THESE TESTS ARE TO BE INCLUDED IN THE PAY ITEMS. THE WORK INVOLVED IN THE PAY ITEMS INCLUDES DEVELOPING AND COMPLYING WITH A SSHSP; HANDLING, STORAGE, TESTING (FOR DISPOSAL OR REMEDIATION), AND DISPOSAL OR REMEDIATION OF PCS.

ALL EXCAVATED AREAS SHALL BE BACKFILLED WITH SUITABLE MATERIAL IN ACCORDANCE WITH THE PROJECT PLANS, APPLICABLE ODOT SPECIFICATIONS, AND/OR AS DIRECTED BY THE ENGINEER. ALL SURPLUS OR UNSUITABLE EXCAVATED MATERIAL THAT CAN BE USED IN EMBANKMENTS SHALL TO BE DISPOSED OF IN ACCORDANCE WITH ITEM 203.05 OF ODOT'S CMS.

ALL TRANSPORT VEHICLES USED FOR THE MOVEMENT OF REGULATED SOILS AND/OR WATER SHALL MEET APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN RECORDS (SUCH AS DAILY LOGS, LANDFILL TICKETS, MANIFESTS, ETC.) DOCUMENT THE SOURCE, MOVEMENT, AND DESTINATION OF EACH TRUCKLOAD OF CONTAMINATED SOIL. ONE COPY OF EACH OF THESE RECORDS SHALL BE SUBMITTED TO THE ENGINEER.

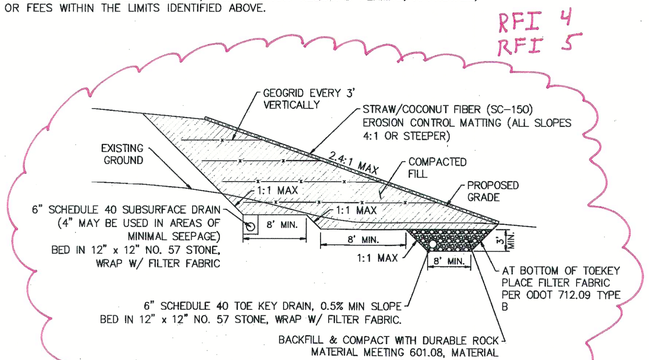
BASIS OF PAYMENT: THE CONTRACTOR SHALL FURNISH ALL THE LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROPERLY DEVELOP AND COMPLY WITH A SSHSP, EXCAVATE, STORE, TEST (FOR DISPOSAL), TRANSPORT, AND DISPOSE OF CONTAMINATED MATERIALS, REMOVAL OF UNDERGROUND STORAGE TANKS, INCLUDING ANY REQUIRED , APPROVALS, OR FEES WITHIN THE LIMITS IDENTIFIED ABOVE.

POTENTIAL DEWATERING OF EXCAVATED AREAS: IF THE EXCAVATIONS IN THE AFOREMENTIONED SEDIMENTS REQUIRE DEWATERING FOR CONSTRUCTION PURPOSES, THE CONTRACTOR SHALL DEWATER, CONTAINERIZE, TEST, AND SUBSEQUENTLY DISPOSE OF WATERS BY METHODS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS AND/OR AUTHORIZATIONS NEEDED TO STORE, TEST, TRANSPORT AND DISPOSE OF THE WATER IN ACCORDANCE WITH APPLICABLE LOCAL, STATE OR FEDERAL REGULATIONS.

GENERAL NOTES: ALL TRANSPORT VEHICLES USED FOR THE MOVEMENT OF REGULATED SEDIMENTS OR WATER SHALL MEET APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN RECORDS (SUCH AS MANIFESTS, LANDFILL TICKETS, DAILY LOGS, ETC.) TO DOCUMENT THE SOURCE, MOVEMENT, AND DESTINATION OF EACH TRUCKLOAD OF CONTAMINATED SEDIMENTS AND/OR WATER. ONE COPY OF EACH OF THESE RECORDS SHALL BE SUBMITTED TO THE ENGINEER.

BASIS OF PAYMENT: AN ALLOWANCE HAS BEEN PROVIDED FOR THE CONTRACTOR FURNISH ALL THE LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROPERLY DEVELOP AND COMPLY WITH A SSHSP, AND HANDLE, STORE, TEST, TRANSPORT, AND DISPOSE OF REGULATED MATERIALS, INCLUDING ANY REQUIRED PERMITS, APPROVALS, OR FEES WITHIN THE LIMITS IDENTIFIED ABOVE.

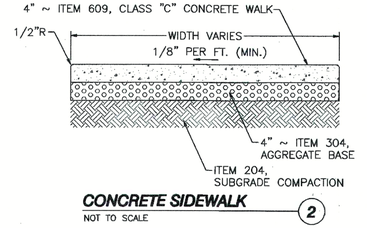
RFI 4
RFI 5



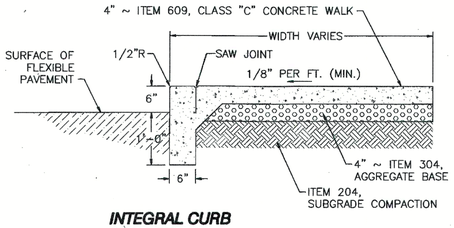
BENCHING NOTES

1. REMOVE TOPSOIL AND SOFT NATURAL SOILS, ADD TRENCH DRAINS AS INDICATED.
2. THE KEYWAY IS TO BE CONSTRUCTED AT THE TOE OF THE SLOPE
3. EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH OSHA GUIDELINES WITH MAX 1:1 SLOPE.
4. TOE KEY DRAIN AND SUBSURFACE DRAINS SHALL BE DRAINED TO DAYLIGHT. 1.5% MIN SLOPE.

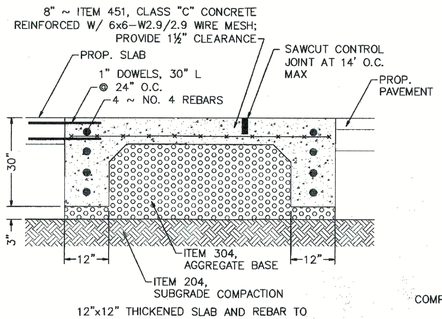
TOE KEY & BENCHING DETAIL — 1
NOT TO SCALE



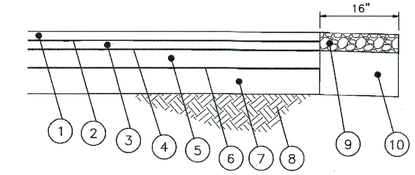
CONCRETE SIDEWALK — 2
NOT TO SCALE



INTEGRAL CURB & SIDEWALK — 3
NOT TO SCALE

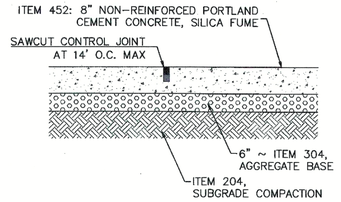


CONCRETE APRON & DUMPSTER PAD — 4
NOT TO SCALE

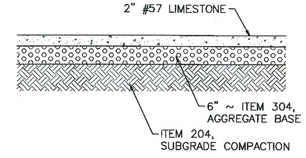


1. 2" ~ ITEM 448, ASPHALT CONCRETE, SURFACE COURSE
2. ITEM 407, TACK COAT (0.25 GAL/SY)
3. 2" ~ ITEM 448, ASPHALT CONCRETE, INTERMEDIATE COURSE
4. ITEM 407, TACK COAT (0.25 GAL/SY)
5. 4" ~ ITEM 301 ASPHALT CONCRETE BASE
6. ITEM 408, PRIME COAT (0.35 GAL/SY)
7. 10" ~ ITEM 304, AGGREGATE BASE
8. ITEM 204, SUBGRADE COMPACTION
9. 2" ~ NO. 57 LIMESTONE
10. ITEM 304, AGGREGATE BERM

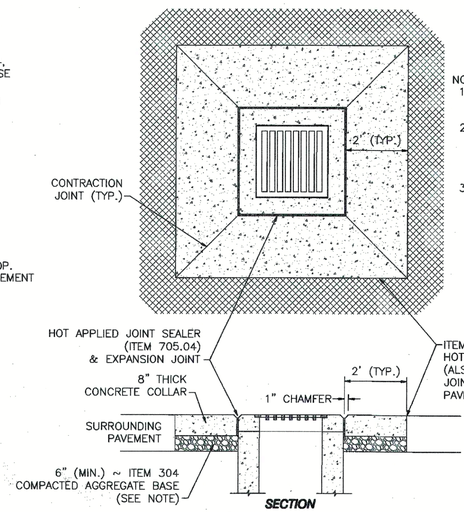
HEAVY DUTY PAVEMENT — 5
NOT TO SCALE



CONCRETE PAVEMENT — 6
NOT TO SCALE



AGGREGATE LAYDOWN AREA — 7
NOT TO SCALE



SECTION

CONCRETE STRUCTURE COLLAR — 8
NOT TO SCALE

NOTES:
1. COLLAR TO BE USED ON ALL CATCH BASINS IN PAVEMENT AREAS.
2. CONCRETE SHALL BE MINIMUM 4000 PSI, AIR-ENTRAINED & INCLUDE SILICIA FUME MEETING ITEM 701.10.
3. AGGREGATE BASE SHALL BE INCREASED AS NEEDED TO EXTEND TO THE BOTTOM OF THE BASE FOR THE SURROUNDING PAVEMENT

THOMAS & MARKER CONSTRUCTION
SANDS DECKER CPS ENGINEERS • SURVEYORS

STATE OF OHIO
J. SCOTT SANDS
55001
REGISTERED PROFESSIONAL ENGINEER

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMMISSION

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

REVISED:

BID SET

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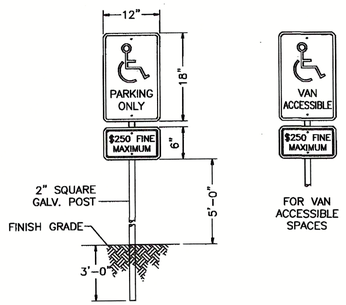
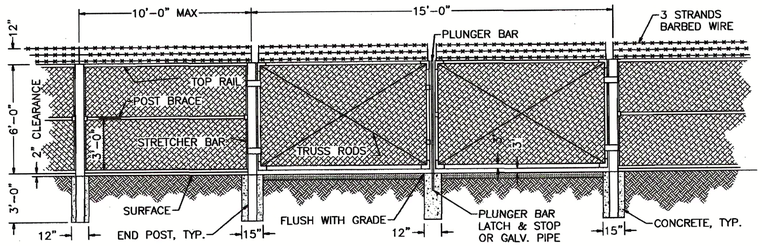
GENERAL NOTES & DETAILS



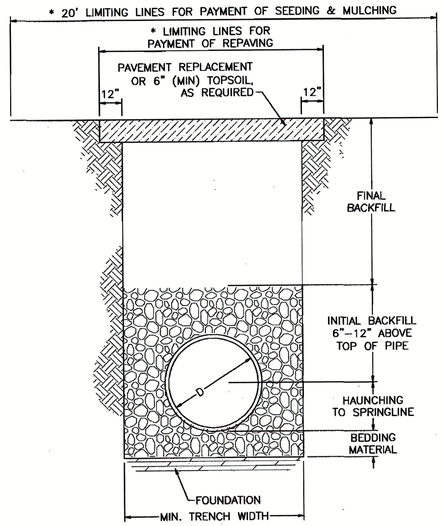
NOTE: SIGNS TO CONFORM TO ALL CURRENT ADAAG REGULATIONS

ADA SIGNAGE 1
NOT TO SCALE



NOTE: EACH GATE SHALL BE EQUIPPED WITH AN APPROVED PADLOCK WITH DOUBLE LOCKING BOLT, 5 PIN TUMBLER, LAMINATED STEEL CASE, AND BRASS CYLINDER, RUSTPROOF. WHERE COMPANION GATES ARE INSTALLED, TUMBLERS SHALL BE IDENTICALLY SET IN EACH LOCK SO THAT THE SAME KEY WILL OPEN EACH LOCK. 2 KEYS SHALL BE FURNISHED WITH EACH PADLOCK.

SWING GATE 4
NOT TO SCALE



* LIMITING LINES FOR PAYMENT APPLY ONLY WHEN CONTRACT PROVIDES FOR UNIT PRICE PAYMENT OF PAVEMENT REPLACEMENT AND SEEDING & MULCHING.

NOTES:
1. FOUNDATION: WHERE TRENCH BOTTOM IS UNSTABLE, CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER & REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWER & OTHER GRAVITY-FLOW APPLICATIONS", LATEST EDITION. AS AN ALTERNATIVE & AT THE DISCRETION OF THE ENGINEER, TRENCH BOTTOM MAY BE STABILIZED USING WOVEN GEOTEXTILE FABRIC.

2. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, & INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MIN. BEDDING THICKNESS SHALL BE 4" FOR 4"-24" & 42"-48" PIPE & 6" FOR 30"-36" PIPE.

3. HAUNCHING & INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III, & INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MIN. RECOMMENDED TRENCH WIDTHS SHALL BE AS FOLLOWS:

NOMINAL ⌀	MIN. WIDTH
4"	21"
6"	23"
8"	25"
10"	28"
12"	31"
15"	34"
18"	39"
24"	48"
30"	66"
36"	78"
42"	83"
48"	89"
60"	102"

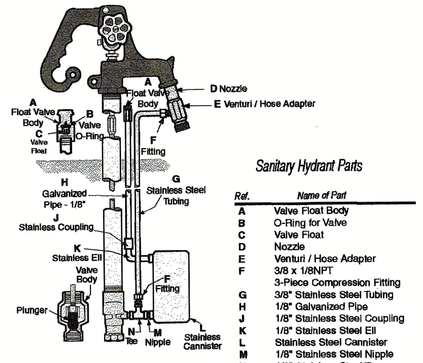
THE EXCAVATED TRENCH WIDTH TWELVE INCHES (12") ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION.

5. MINIMUM COVER: MIN. RECOMMENDED DEPTHS OF COVER FOR VARIOUS LIVE LOADING CONDITIONS ARE AS FOLLOWS. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE FROM TOP OF PIPE TO GROUND SURFACE.

SURFACE LIVE LOADING CONDITION	MIN. COVER
H25 (FLEXIBLE PAVEMENT)	12" **
H25 (RIGID PAVEMENT)	12"
E80 RAILWAY	24"
HEAVY CONSTRUCTION	48"

** TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT SECTION.

TYPICAL TRENCH CORRUGATED PE PIPE 6
NOT TO SCALE

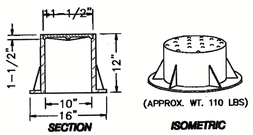


Sanitary Hydrant Parts

Ref.	Name of Part
A	Valve Float Body
B	O-Ring for Valve
C	Valve Float
D	Nozzle
E	Venturi / Hose Adapter
F	3/8 x 1/8NPT 3-Piece Compression Fitting
G	3/8" Stainless Steel Tubing
H	1/8" Galvanized Pipe
J	1/8" Stainless Steel Coupling
K	1/8" Stainless Steel Ell
L	Stainless Steel Cannister
M	1/8" Stainless Steel Nipple
N	1/8" Stainless Steel Tee

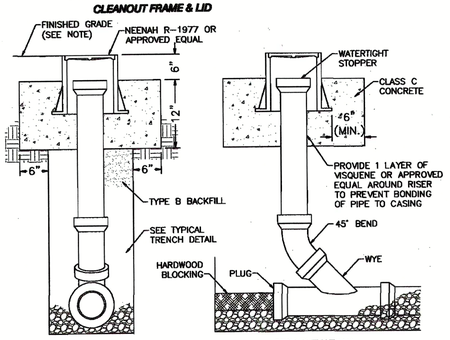
SANITARY YARD HYDRANTS MUST NOT HAVE A "WEEP HOLE" TYPE DRAIN.

NON-FREEZE SANITARY POST / YARD HYDRANT 2
NOT TO SCALE

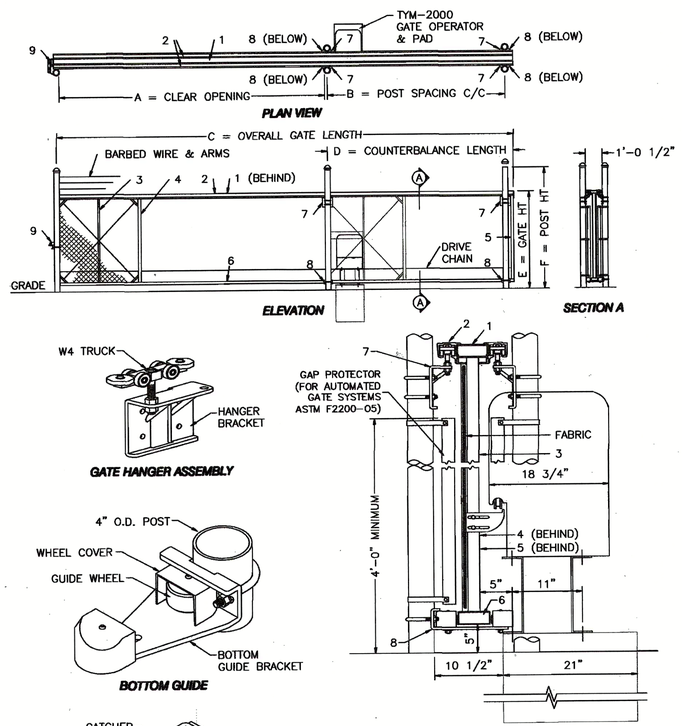


NOTE: CLEANOUT TOP OF CASTING SHALL BE SET FLUSH WITH FINISHED GRADE IN PAVEMENT AREAS OR 2" MIN. TO 4" MAX. ABOVE FINISHED GRADE IN NON-PAVED AREAS.

CLEANOUT FRAME & LID



CLEANOUT 3
NOT TO SCALE



	CRITICAL DIMENSION CHART	SOUTH GATE	NORTH GATE
A	CLEAR OPENING	34'-0"	36'-0"
B	COUNTERBALANCE POST SPACING C/C	16'-1"	17'-1"
C	OVERALL GATE LENGTH	51'-0"	54'-0"
D	COUNTERBALANCE LENGTH	17'-0"	18'-0"
E	NOMINAL GATE HEIGHT	6'-0"	6'-0"
F	POST HEIGHT (W/ BARB ARMS)	7'-6"	7'-6"
G	FABRIC HEIGHT	5'-0"	5'-0"

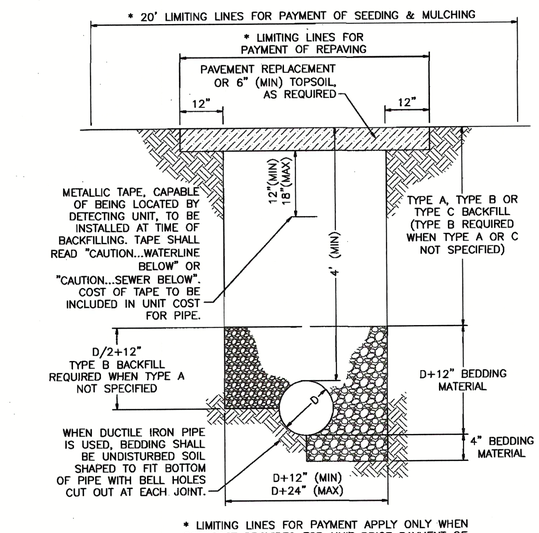
NOTES: SLIDING GATE SHALL BE STRUCTURAL CANTILEVER GATE WITH OPERATOR AS MANUFACTURED BY TYMETAL CORP. OR APPROVED EQUIVALENT. SLIDING GATE CHANNELS SHALL BE ONE CONTINUOUS UNIT. MULTIPLE SECTIONS BOLTED TOGETHER ARE UNACCEPTABLE.

GATES SHALL ALSO BE EQUIPPED WITH AN APPROVED PADLOCK WITH DOUBLE LOCKING BOLT, 5 PIN TUMBLER, LAMINATED STEEL CASE, & BRASS CYLINDER, RUSTPROOF. 2 KEYS SHALL BE FURNISHED WITH EACH PADLOCK.

ALL FITTINGS STANDARDLY PROVIDED FOR 4" O.D. POSTS. OTHER SIZES AVAILABLE UPON REQUEST.

MATERIALS		
	DESCRIPTION	NOTES:
1	TOP PRIMARY MEMBER	
2	STANDARD TRACK	
3	1" X 2" ALUM. TUBE	CENTERED BETWEEN 2x2'S
4	2" X 2" ALUM. TUBE	
5	STANDARD PRIMARY	TYP. AT ENDS OF GATE FRAME
6	2" X 5" ALUM. TUBE	
7	HANGER ASSEMBLY	4 REQUIRED
8	BOTTOM GUIDE ASSEMBLY	2 REQUIRED
9	CATCH ASSEMBLY	1 REQUIRED

SLIDING GATE 5
NOT TO SCALE



* LIMITING LINES FOR PAYMENT APPLY ONLY WHEN CONTRACT PROVIDES FOR UNIT PRICE PAYMENT OF PAVEMENT REPLACEMENT AND SEEDING & MULCHING.

NOTES:
1. ITEM NUMBERS REFER TO STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS.

2. AGGREGATE FOR BEDDING IS NO. 57, NO. 6, NO. 67, NO. 68, OR NO. 7, ITEM 703.

3. TYPE A BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL AS SPECIFIED IN ITEM 304, GRADE A. TYPE A BACKFILL SHALL BE USED WHEN THE TRENCH IS 5' OR LESS FROM ANY PAVED OR GRAVEL SURFACE, OR BENEATH THE PAVEMENT OR GRAVEL. COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 203.

4. TYPE B BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 2" ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH, OR FROZEN MATERIAL, COMPACTED TO 95% OF ITS MAXIMUM LABORATORY DRY WEIGHT.

5. TYPE C BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 6" ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH, OR FROZEN MATERIAL, COMPACTED TO 90% OF ITS MAXIMUM LABORATORY DRY WEIGHT. WHEN APPROVED BY THE ENGINEER, STONES NO LARGER THAN ONE CUBIC FOOT MAY BE DEPOSITED AT LEAST 3' ABOVE THE TOP OF THE PIPE.

6. THE EXCAVATED TRENCH WIDTH 12" ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION.

7. WHEN CALLED FOR ON THE CONSTRUCTION DRAWINGS, ENCASEMENT SHALL BE CLASS C CONCRETE.

8. SECTIONS ARE SYMMETRICAL ABOUT THE CENTERLINE.

9. GRANULAR BEDDING AND BACKFILL SHALL NOT BE REQUIRED FOR DUCTILE IRON PIPE UNLESS WITHIN LIMITS REQUIRING GRANULAR BACKFILL FOR ROADS AND DRIVEWAYS.

TYPICAL TRENCH FOR WATERLINES & SEWER FORCE MAINS 7
NOT TO SCALE

THOMAS & MARKER CONSTRUCTION
SANDS DECKER CPS
ENGINEERS • SURVEYORS

STATE OF OHIO
J. SCOTT SANDS
55001
REGISTERED PROFESSIONAL ENGINEER

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMMISSION

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

REVISED:

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C003

SITE DETAILS

NEW VENTURE INVESTMENTS, LTD., AN OHIO LIMITED LIABILITY COMPANY OR VOL 206, PG 584

PHILLIP W. HOON AND SIMONETTA C. HOON OR VOL 290, PG 174

THE STATE OF OHIO DB VOL 93, PG 330 13.642 ACRES

MARGARET RUN

FLOODWAY

ZONE AE

600 YR FLOOD

MAINTAIN TEMPORARY POWER TO LIFT STATION & PAINT & BODY SHOP

EQUIPMENT STORAGE BUILDING TO REMAIN

PAINT & BODY SHOP TO REMAIN IN SERVICE THROUGHOUT CONSTRUCTION

NOTE: CHANNEL EASEMENT PER ROW CASE ATH-682-2.08 (NOT RECORDED INSTRUMENT FOUND)

CAUTION!! DO NOT DISTURB FORCE MAIN & LIFT STATION UNTIL BODY SHOP IS CONNECTED TO NEW LIFT STATION

SIGN SHOP TO REMAIN

EX 30' GAS EASEMENT

25' BLDG SETBACK

28' BLDG SETBACK

W UNION ST (SR 56, ROW VARIES)

S PLAINS RD (SR 682, ROW VARIES)

30' WIDE GAS PIPELINE EASEMENT COLUMBIA GAS TRANSMISSION CORPORATION OR VOL 202, PG 602 EXTENDED BY OR VOL 398, PG 592

NOTE: EASTERN ROW LINE IS SHOWN FOR REFERENCE ONLY

DEMOLITION KEYNOTES

1. EX. ASPHALT PAVEMENT TO BE REMOVED.
2. EX. GRAVEL TO BE REMOVED. WHERE ASPHALT PAVING IS NOT PROPOSED, AREAS SHALL BE BROUGHT TO FINAL GRADE PER GRADING PLAN & FINISHED WITH TOPSOIL, SEEDING & MULCHING PER ODOT ITEMS 653 & 659.
3. EX. CONCRETE TO BE REMOVED.
4. EX. BUILDING TO BE REMOVED. (INCLUDING ALL DOWNSPOUTS, DRAINS, UTILITY SERVICES, FOUNDATIONS, PADS, FOOTERS & APPURTENANT SIDEWALKS, STEPS, ETC.) TO BE REMOVED & DISPOSED OF.
5. EX. SALT BARN TO BE REMOVED.
6. EX. CONCRETE FUEL ISLAND, INCLUDING PUMPS, UNDERGROUND TANKS, LIGHT POLES & BOLLARDS TO BE REMOVED & DISPOSED OF. CONTRACTOR SHALL ADHERE TO ALL APPLICABLE EPA GUIDELINES.
7. EX. MONITORING WELLS TO BE REMOVED, TYP.
8. EX. FENCE TO BE REMOVED.
9. EX. TREE & STUMP, BUSH/LANDSCAPING TO BE REMOVED.
10. EX. POLE AND/OR UTILITY SERVICE TO BE REMOVED. COORDINATE RELOCATION & RECONNECTION OF SERVICE LINES WITH SITE ELECTRICAL PLAN.
11. EX. WALK TO BE REMOVED.
12. EX. BRINE SYSTEM & APPURTENANCES TO BE REMOVED.
13. EX. BOLLARDS TO BE REMOVED, TYP.
14. EX. SANITARY LIFT STATION TO REMAIN IN SERVICE UNTIL NEW LIFT STATION IS OPERATIONAL. ONCE NEW LIFT IS FUNCTIONING, REMOVE OLD LIFT STATION & ASSOCIATED PIPE. REFERENCE UTILITY PLAN AND LIFT STATION DETAILS FOR ADDITIONAL INFORMATION.
15. EX. FLAGPOLE, BRICK WALL & CONCRETE TO BE REMOVED.
16. EX. STORM PIPE TO BE REMOVED.
17. APPROXIMATE LOCATION OF CONTAMINATED SOILS AREA. REFERENCE BUSTR RELEASE NUMBER 05000071-N00001.
18. EX. WALL TO BE REMOVED.
19. EX. TELECOMMUNICATIONS TOWER & FOUNDATION TO BE REMOVED.
20. EX. I BEAM & WOOD RETAINING WALL TO BE REMOVED.
21. EX. GAS HOUSE TO REMAIN.
22. EX. LIFT STATION TO REMAIN.
23. THIS AREA IS OUTSIDE PROJECT WORK LIMITS.
24. APPROXIMATE LOCATION OF EX. GAS SERVICE.

MISC. DEMOLITION NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE GROUND & REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ASSOCIATE.
- DO NOT SCALE FROM THIS DRAWING. ALL WRITTEN DIMENSIONS SHALL GOVERN. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ASSOCIATE.
- ALL EX. UTILITIES SLATED FOR DEMOLITION SHALL BE FULLY REMOVED BACK TO SOURCE. NO UTILITIES SHALL BE CAPPED AND ABANDONED IN PLACE ON THIS SITE.
- ANY EX. IRON PINS OR OTHER PROPERTY MONUMENTS DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE RESET BY A REGISTERED SURVEYOR LICENSED IN THE STATE OF OHIO AT NO ADDITIONAL COST TO THE OWNER.
- IF THE CONTRACTOR ENCOUNTERS ANY ACTIVE STORM DRAINS OR TILES CONNECTED TO STORM SEWER STRUCTURES SLATED FOR DEMOLITION, HE SHALL REPORT TO THE ASSOCIATE IMMEDIATELY & SHALL PROVIDE SAID DRAINS WITH A SUITABLE OUTLET.

ALL BENCHMARK INFORMATION, EXISTING BOUNDARY, EXISTING TOPOGRAPHICAL AND EXISTING UTILITY INFORMATION WAS PROVIDED BY DLZ. SANDS DECKER CPS, LLC DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION AND ASSUMES NO LIABILITY FOR COMPLETENESS OF THIS INFORMATION.

FEMA MAP NO. 39009C0210C DATED DEC. 18TH, 2009

100 YEAR FLOOD ELEVATION = 649.00

NORTH

GRAPHIC SCALE

50 25 0 50

1" = 50'

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1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)

THOMAS & MARKEE CONSTRUCTION
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STATE OF OHIO
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55001
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BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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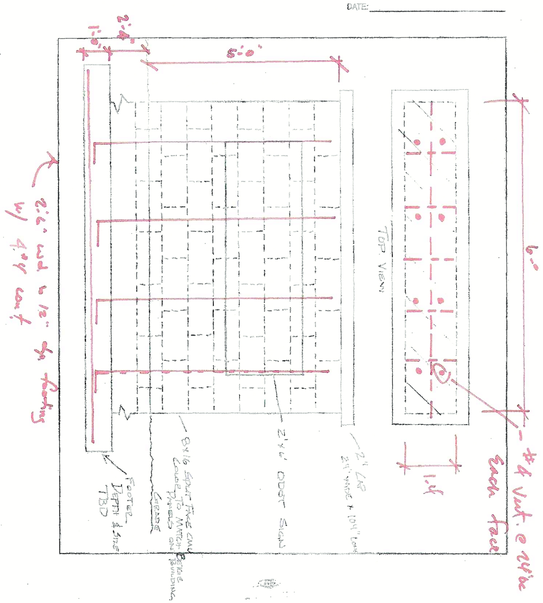
C101

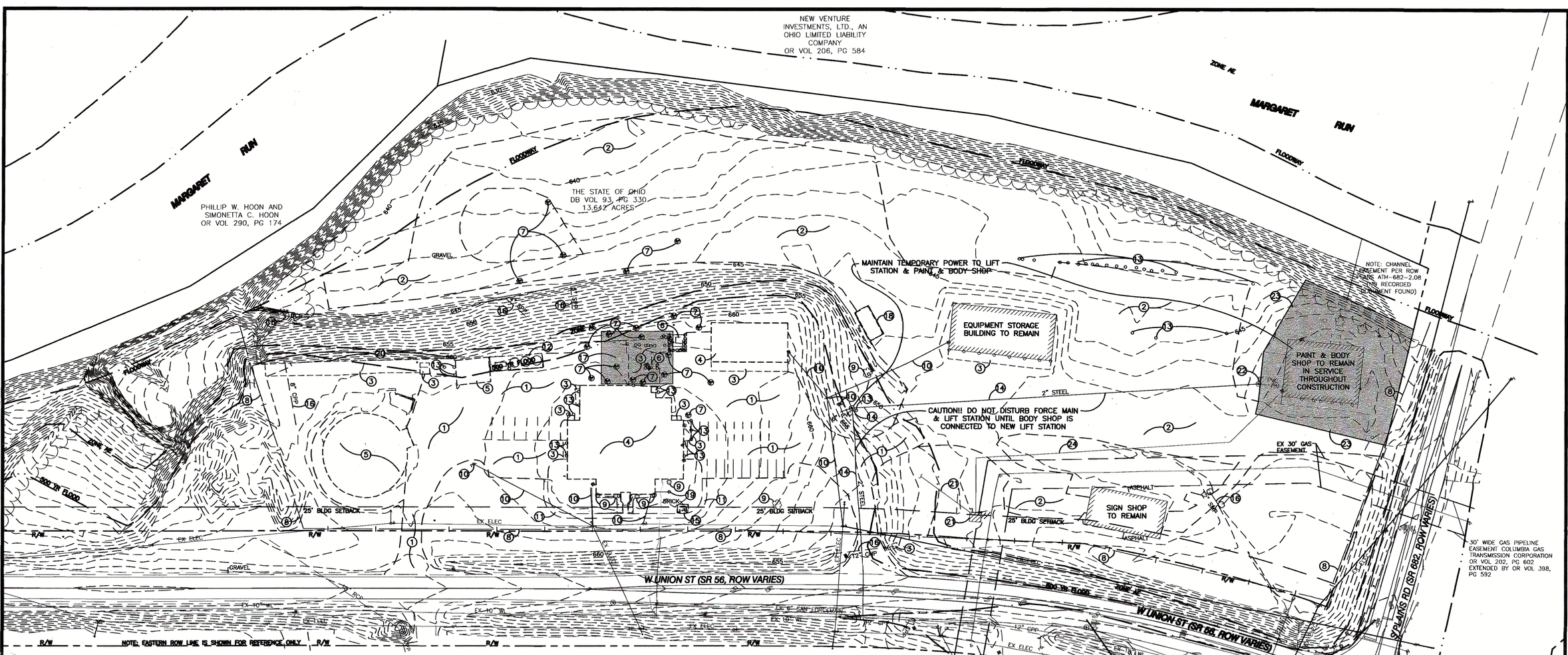
SITE DEMOLITION PLAN

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 10 CONSTRUCTION

CALCULATION SHEET

PROJECT NO. _____ INITIALS: _____
REF. NO. _____ ITEM NO. _____
SUBJECT: _____
LOCATION: _____
DATE: _____





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MISC. DEMOLITION NOTES

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FEMA MAP NO. 39009C0210C DATED DEC. 18TH, 2009

100 YEAR FLOOD ELEVATION = 649.00

NORTH

GRAPHIC SCALE

50 25 0 50

1" = 50'

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THOMAS & MARKER CONSTRUCTION
SANDS DECKER CPS ENGINEERS • SURVEYORS

STATE OF OHIO J. SCOTT SANDS 55001 REGISTERED PROFESSIONAL ENGINEER

EARLY SITEWORK PACKAGE
DOT-1300006
ATHENS FULL SERVICE MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

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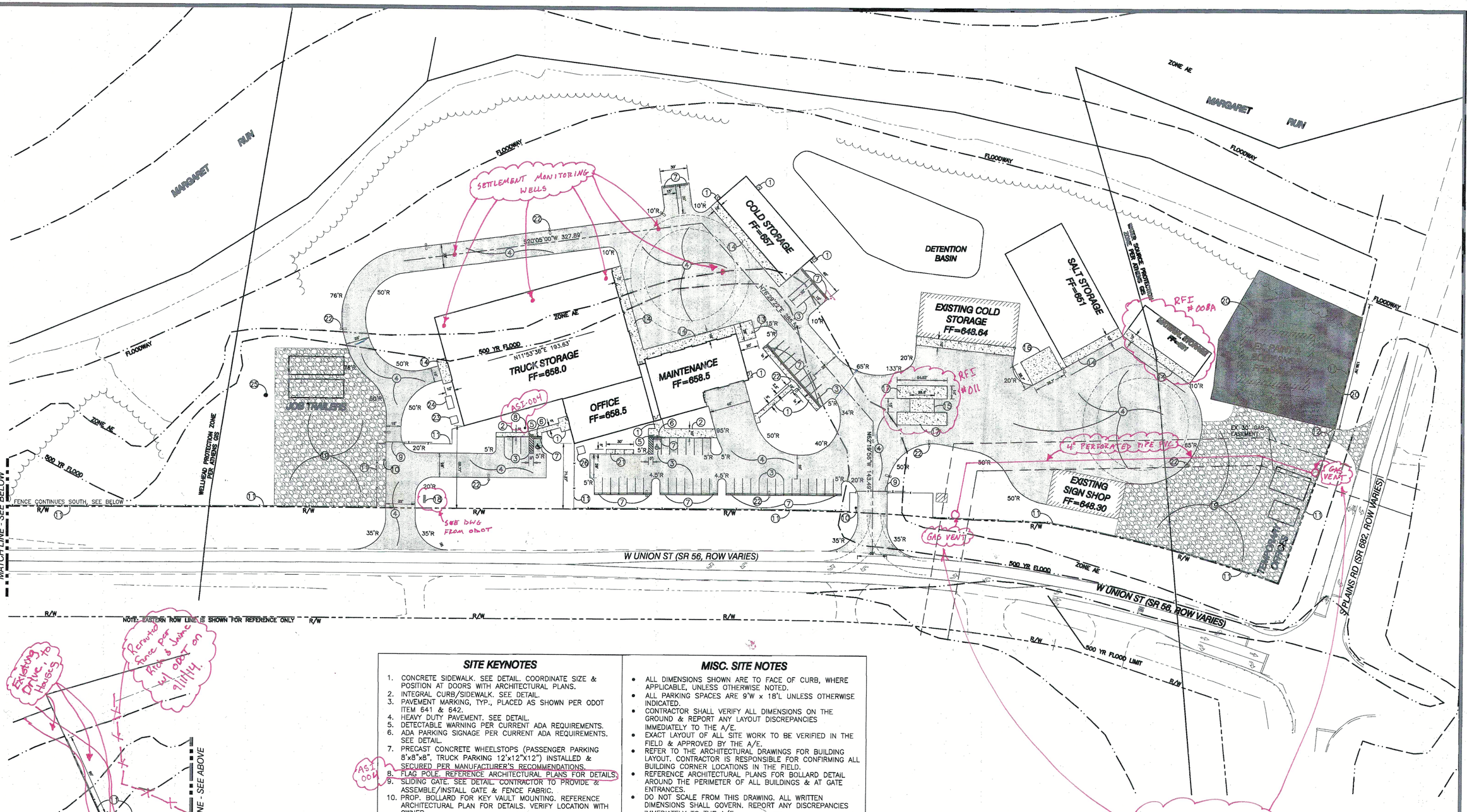
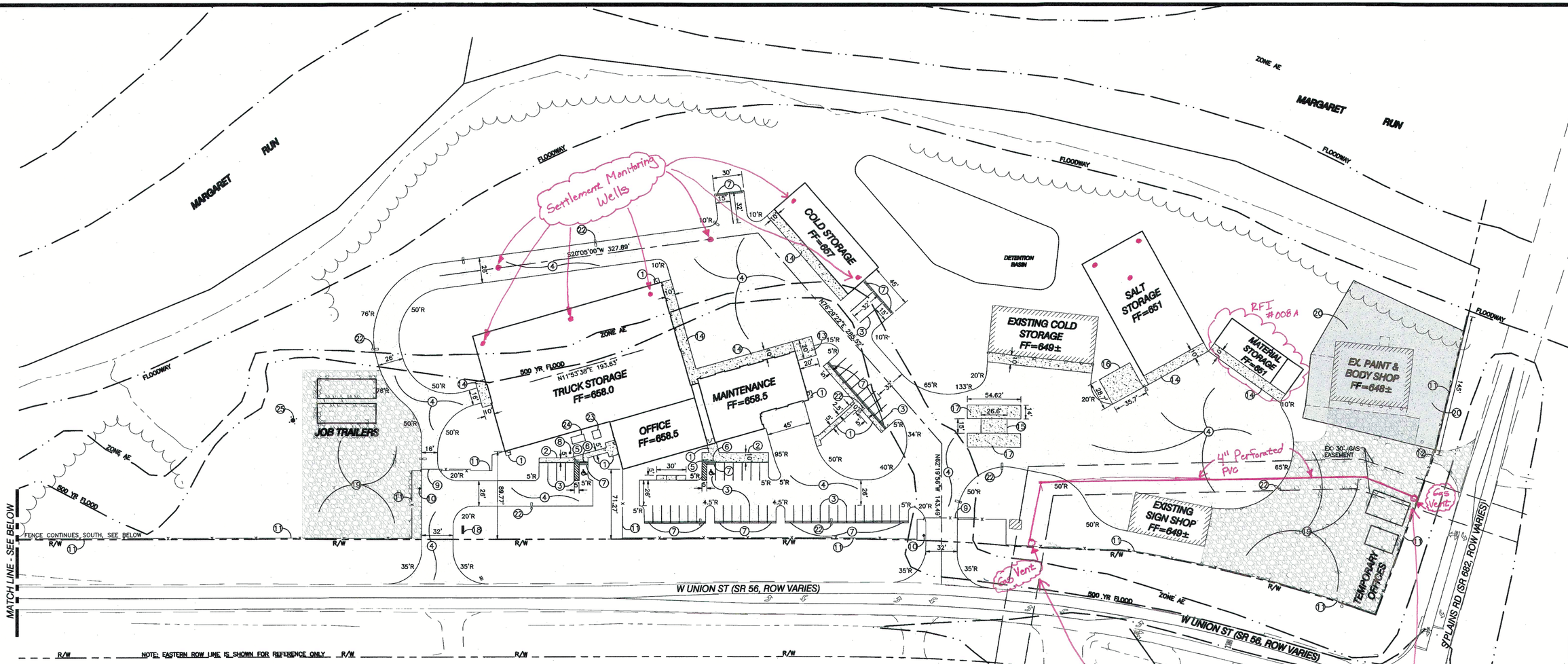
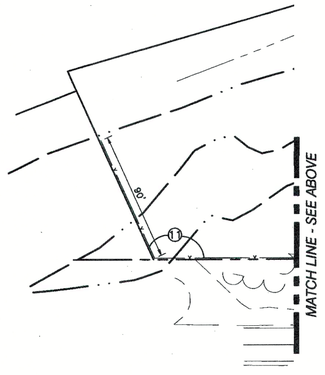
SITE DEMOLITION PLAN


MARGARET RUN
FLOODWAY
ZONE AE
500 YR FLOOD
WELLHEAD PROTECTION ZONE PER ATHENS GIS
SETTLEMENT MONITORING WELLS
COLD STORAGE FF=657
DETENTION BASIN
SALT STORAGE FF=651
EXISTING COLD STORAGE FF=648.64
EXISTING SIGN SHOP FF=648.30
TRUCK STORAGE FF=658.0
MAINTENANCE FF=658.5
OFFICE FF=658.5
JOB TRAILERS
TEMPORARY OFFICES
EXISTING SALT DOME
EXISTING SALT BARN
EXISTING SALT BRINE TANK
EXISTING SALT BRINE MIXER





SITE KEYNOTES

1. CONCRETE SIDEWALK. SEE DETAIL. COORDINATE SIZE & POSITION AT DOORS WITH ARCHITECTURAL PLANS.
2. INTEGRAL CURB/SIDEWALK. SEE DETAIL.
3. PAVEMENT MARKING, TYP., PLACED AS SHOWN PER ODOT ITEM 641 & 642.
4. HEAVY DUTY PAVEMENT. SEE DETAIL.
5. DETECTABLE WARNING PER CURRENT ADA REQUIREMENTS.
6. ADA PARKING SIGNAGE PER CURRENT ADA REQUIREMENTS. SEE DETAIL.
7. PRECAST CONCRETE WHEELSTOPS (PASSENGER PARKING 8'x8"x8", TRUCK PARKING 12'x12"X12") INSTALLED & SECURED PER MANUFACTURER'S RECOMMENDATIONS.
8. FLAG POLE. REFERENCE ARCHITECTURAL PLANS FOR DETAILS.
9. SLIDING GATE. SEE DETAIL. CONTRACTOR TO PROVIDE & ASSEMBLE/INSTALL GATE & FENCE FABRIC.
10. PROP. BOLLARD FOR KEY VAULT MOUNTING. REFERENCE ARCHITECTURAL PLAN FOR DETAILS. VERIFY LOCATION WITH OWNER.
11. 6' CHAIN LINK FENCE W/ 3 STRANDS OF BARBED WIRE, 12" HIGH & ANGLED AWAY FROM ENCLOSURE AT 45°. SEE DETAIL. FENCE ALONG R/W AT 6" FROM R/W LINE.
12. SWING GATE. SEE DETAIL.
13. CONCRETE DUMPSTER PAD. SEE DETAIL.
14. CONCRETE APRON. SEE DETAIL.
15. FUEL ISLAND. REFERENCE ARCHITECTURAL PLANS FOR DETAILS.
16. CONCRETE PAD FOR CALCIUM/BRINE SYSTEMS. REFERENCE ARCHITECTURAL PLANS FOR DETAILS.
17. CONCRETE PAVEMENT. SEE DETAIL.
18. FACILITY SIGN PROVIDED & INSTALLED BY OWNER.
19. AGGREGATE LAYDOWN AREA. SEE DETAIL.
20. THIS AREA IS OUTSIDE PROJECT WORK LIMITS.
21. MOTORCYCLE PARKING CONCRETE PAVEMENT. SEE DETAIL
22. PROP. LIGHT POLES TYP. REFERENCE ELECTRICAL PLAN FOR DETAILS.
23. TRANSFORMER PAD. REFERENCE MECHANICAL PLANS FOR DETAILS.
24. GENERATOR PAD. REFERENCE MECHANICAL PLANS FOR DETAILS.
25. GPS MONUMENT WITH FOUR PROTECTIVE BOLLARDS.

MISC. SITE NOTES

- ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, WHERE APPLICABLE, UNLESS OTHERWISE NOTED.
- ALL PARKING SPACES ARE 9'W x 18'L UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE GROUND & REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE A/E.
- EXACT LAYOUT OF ALL SITE WORK TO BE VERIFIED IN THE FIELD & APPROVED BY THE A/E.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR BUILDING LAYOUT. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL BUILDING CORNER LOCATIONS IN THE FIELD.
- REFERENCE ARCHITECTURAL PLANS FOR BOLLARD DETAIL AROUND THE PERIMETER OF ALL BUILDINGS & AT GATE ENTRANCES.
- DO NOT SCALE FROM THIS DRAWING. ALL WRITTEN DIMENSIONS SHALL GOVERN. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE A/E.
- CONTRACTOR SHALL PROVIDE EXPANSION JOINTS EVERY 20' L.F. OF CONCRETE SIDEWALK.

- Gas Venting per the 5/19/14 mtg. on site w/ Columbia Gas.

NORTH

GRAPHIC SCALE
50 25 0 50
1" = 50'

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OHIO FACILITIES CONSTRUCTION COMMISSION

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

REVISED:

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SITE DIMENSION & PAVEMENT PLAN

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 003

REQUEST FOR INFORMATION

TO: Sands Decker CPS
ATTN: Jason Stevens
EMAIL: jstevens@sandsdeckercps.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Inverts

DATE: 23-May-14
PAGE: 1 of 3
DWG:
SPEC: N/A

Please see below RFI from our Site Subcontractor.

Structure (2) - Confirm if 0.33' allowed sump for shear gate is sufficient for gate being used.
Structure (7) - Confirm invert elevation of RD Pipe.
Structure (8) - Confirm invert elevation of RD Pipe.
Structure (10) - Dropped invert elevation of 15" pipe from #012 by 0.5' to allow oversized hole to fit under top slab joint, confirm if this is acceptable.
Structure (12) - Confirm invert elevation of RD Pipe.
Structure (14) - Confirm invert elevation of RD Pipe.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 28-May-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

Structure #2 shall have an adequate sump to allow for the installation of the shear gate. As long as 0.33' provides adequate space. A deeper sump is acceptable if necessary.
Structure #7 RD invert elevation = 651.03
Structure #8 RD invert elevation = 651.92
Structure #10 invert drop of 0.5' is acceptable. May be dropped more if necessary for top slab joint clearance.
Structure #12 RD invert elevation = 651.11
Structure #14 RD invert elevation = 644.61

DATE OF REPLY: 5-28-14 **SIGNED:** Jason Stevens

FINAL DISTRIBUTION: File, Field

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 002

REQUEST FOR INFORMATION

TO: Sands Decker CPS
ATTN: Scott Sands
EMAIL: scott.sands@sandsdeckercps.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Asphalt Fill

DATE: 22-May-14
PAGE: 1 of 1
DWG:
SPEC: N/A

Mr. Excavator would like to use the demolished asphalt as fill, is this acceptable? The asphalt was not ground up. If so, please specify where it can be used as fill (under proposed pavement, under building pads, etc) and the maximum size that can be used?

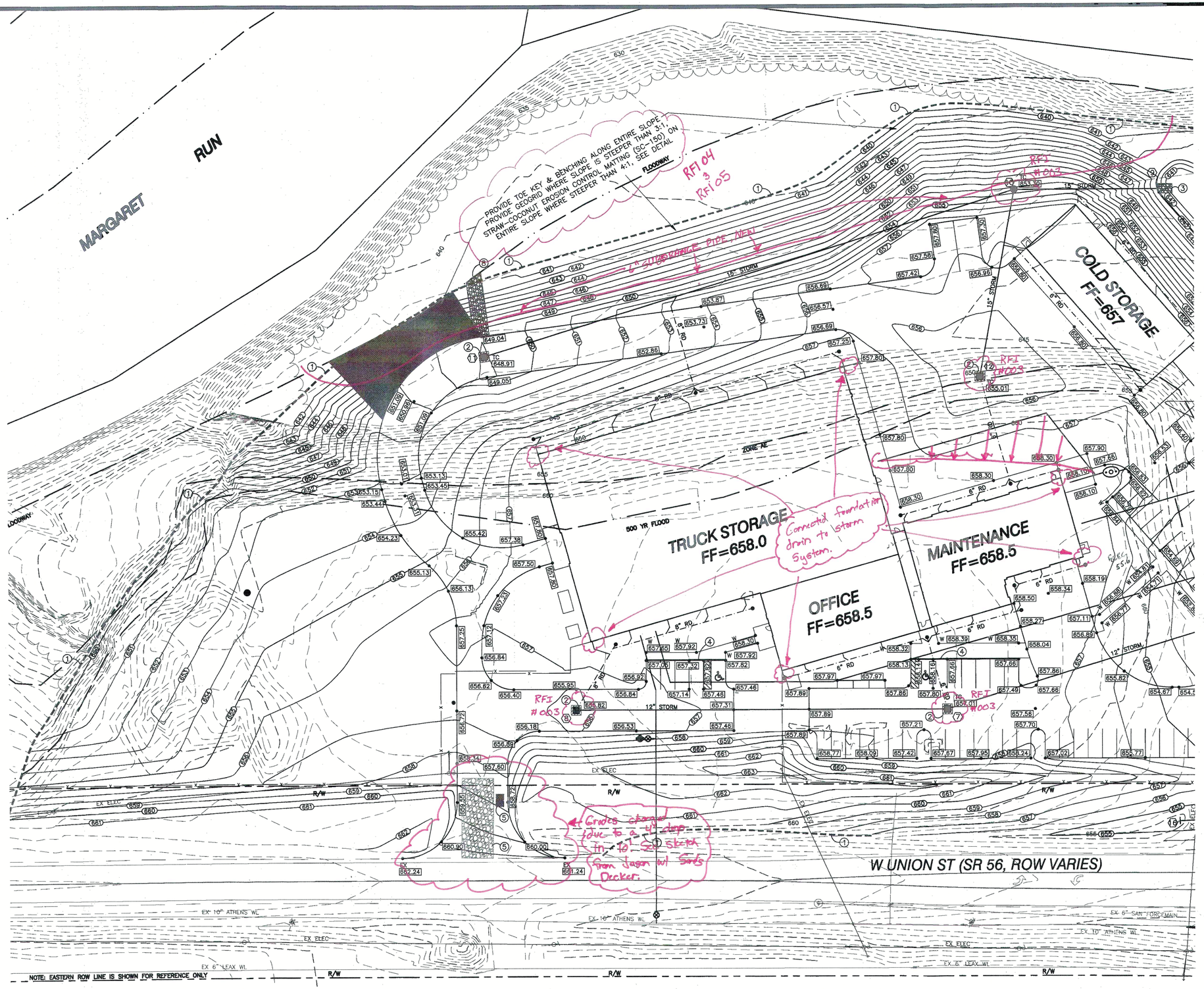
DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 22-May-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

The demolished asphalt may be incorporated into the deeper fills below paved or grass areas as long as it is placed at least 3 feet below the subgrade. The demolished asphalt shall be crushed and shall not exceed 4 inches in any dimension and must be completely blended with at least 30% natural soil or natural granular material. The demolished asphalt shall NOT be used under or within 10 feet of any building pads.

DATE OF REPLY: 5-23-14 **SIGNED:** Jason Stevens

FINAL DISTRIBUTION: File, Field



GRADING KEYNOTES

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5. CONCRETE WASHOUT AREA. SEE DETAIL.
6. TEMPORARY CONSTRUCTION ENTRANCE. SEE DETAIL.
7. THIS AREA IS OUTSIDE PROJECT WORK LIMITS.
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10. SANITARY LIFT STATION.

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For Asphalt fill, see RFI 02.
None used.

For storm concrete encasement, See RFI's 01 & 012.

FEMA MAP NO. 39009C0210C DATED DEC. 18TH, 2009

100 YEAR FLOOD ELEVATION = 649.00

NORTH

GRAPHIC SCALE
30 15 0 30
1" = 30'

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MAY 16, 2014

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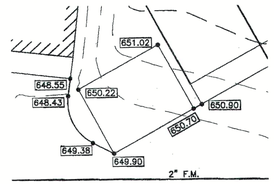
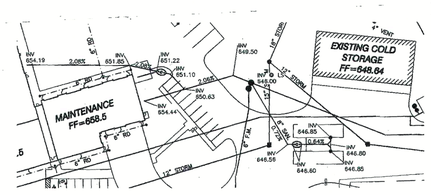
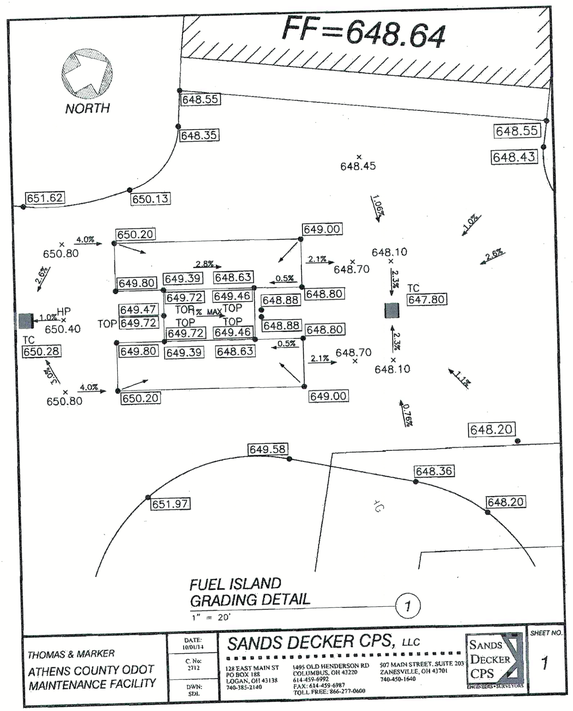
SITE GRADING PLAN (SOUTH)







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ATHENS COUNTY ODOT
MAINTENANCE FACILITY

DATE: 10/01/14
C. No: 2712
DWN: SDL

SANDS DECKER CPS, LLC

128 EAST MAIN ST
PO BOX 185
LOGAN, OH 43138
740-385-2140

1495 OLD HENDERSON RD
COLUMBUS, OH 43220
614-459-6992
FAX: 614-459-6987
TOLL FREE: 866-277-0600

507 MAIN STREET, SUITE 203
ZANESVILLE, OH 43701
740-450-1640

SANDS DECKER CPS

SHEET NO. 1

TM
THOMAS & MARKER
LAND PROCESS

RFI # 025

REQUEST FOR INFORMATION

TO:	Sands Decker, JGA, RDI Architects	DATE:	28-Jul-14
ATTN:	Design Team	PAGE:	1 of 1
EMAIL:	smcclarren@jgaeng; tconverse@rdicolumbu	DWG:	N/A
FR:	German Gonzalez	SPEC:	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Salt Storage Footings		

Team please see attached RFI.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 30-Jul-14

DISTRIBUTION: File, Field

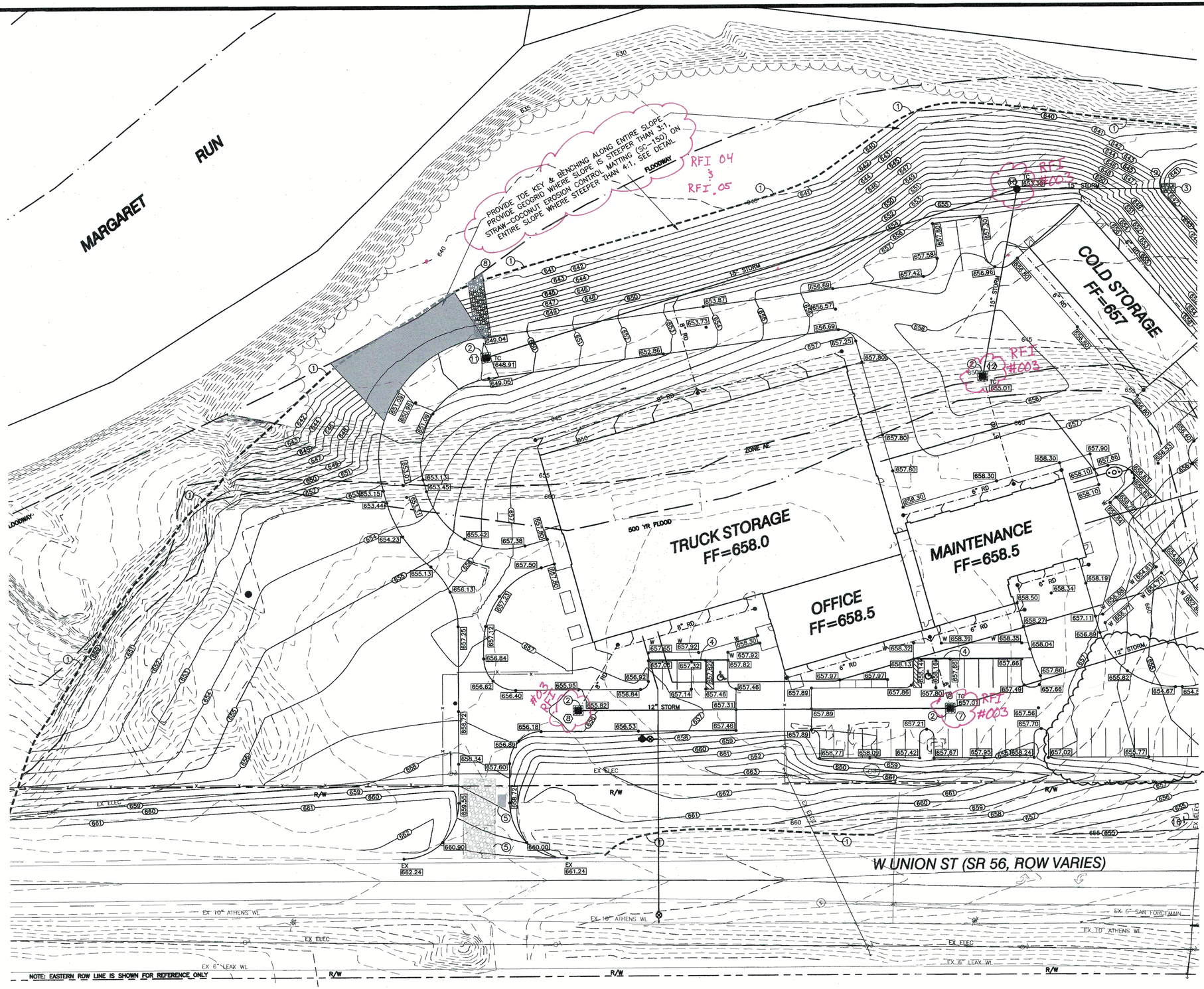
REPLY (RETURN THIS SHEET WITH REPLY):

We have confirmed with City of Athens and CTL that 30 inch frost depth is acceptable. So we need a minimum of 14 inches of soil cover over the 16" thick footing. If we think we're going to have less than 12" of soil cover, we should lower the footing. Otherwise thicken footing as required to obtain frost depth.

DATE OF REPLY: 7/29/2014 SIGNED: Steve McClarren - Jezerinac Geers & Assoc.

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)



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10. SANITARY LIFT STATION.

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For Asphalt Fill, See RFI 02
None Used

FEMA MAP NO. 39009C0210C DATED DEC. 18TH, 2009

100 YEAR FLOOD ELEVATION = 649.00

NORTH

GRAPHIC SCALE

30 15 0 30

1" = 30'

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MARCH 28, 2014

REVISED:
4-17-14

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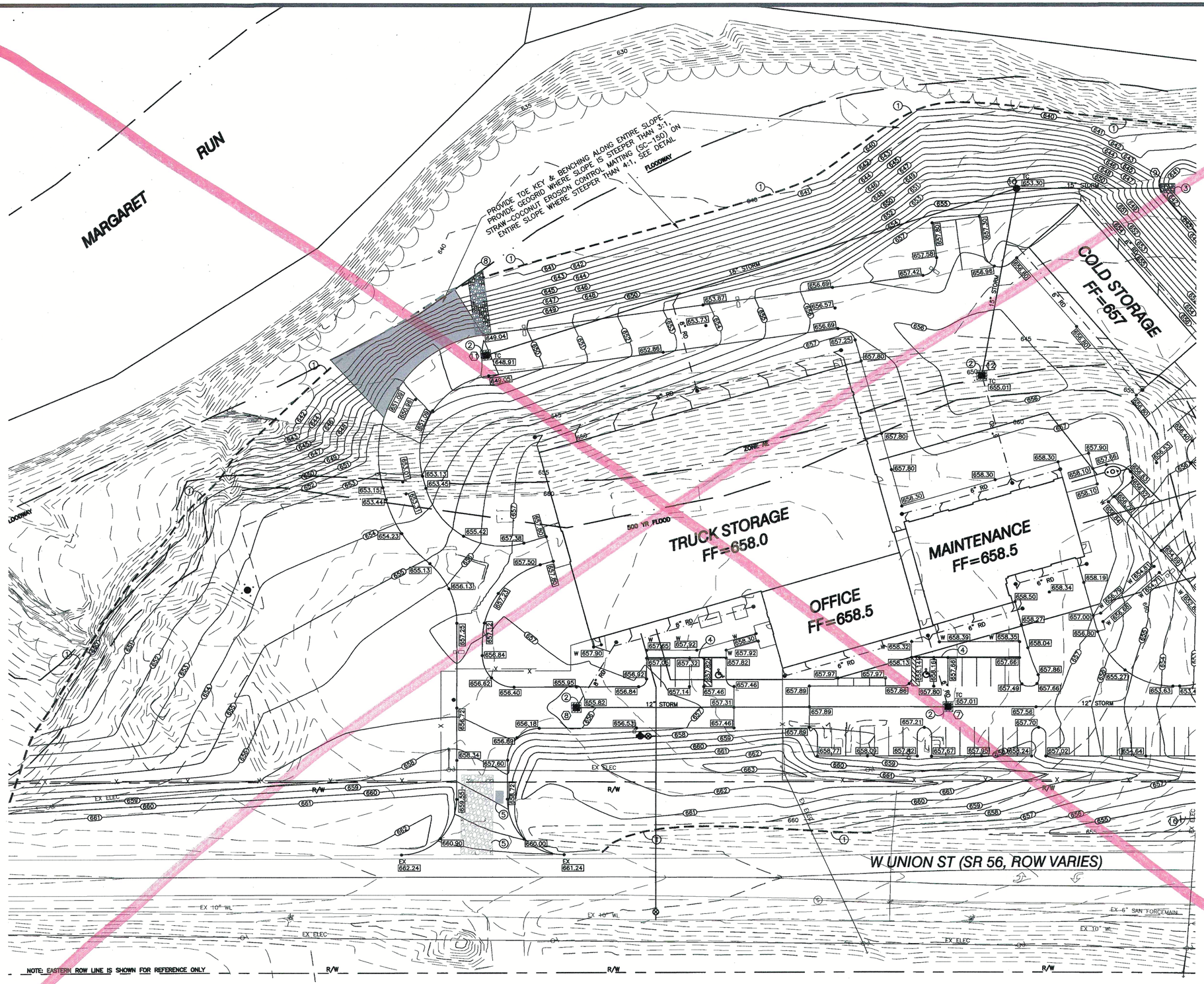
SITE GRADING PLAN (SOUTH)



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NORTH

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FEBRUARY 27, 2014

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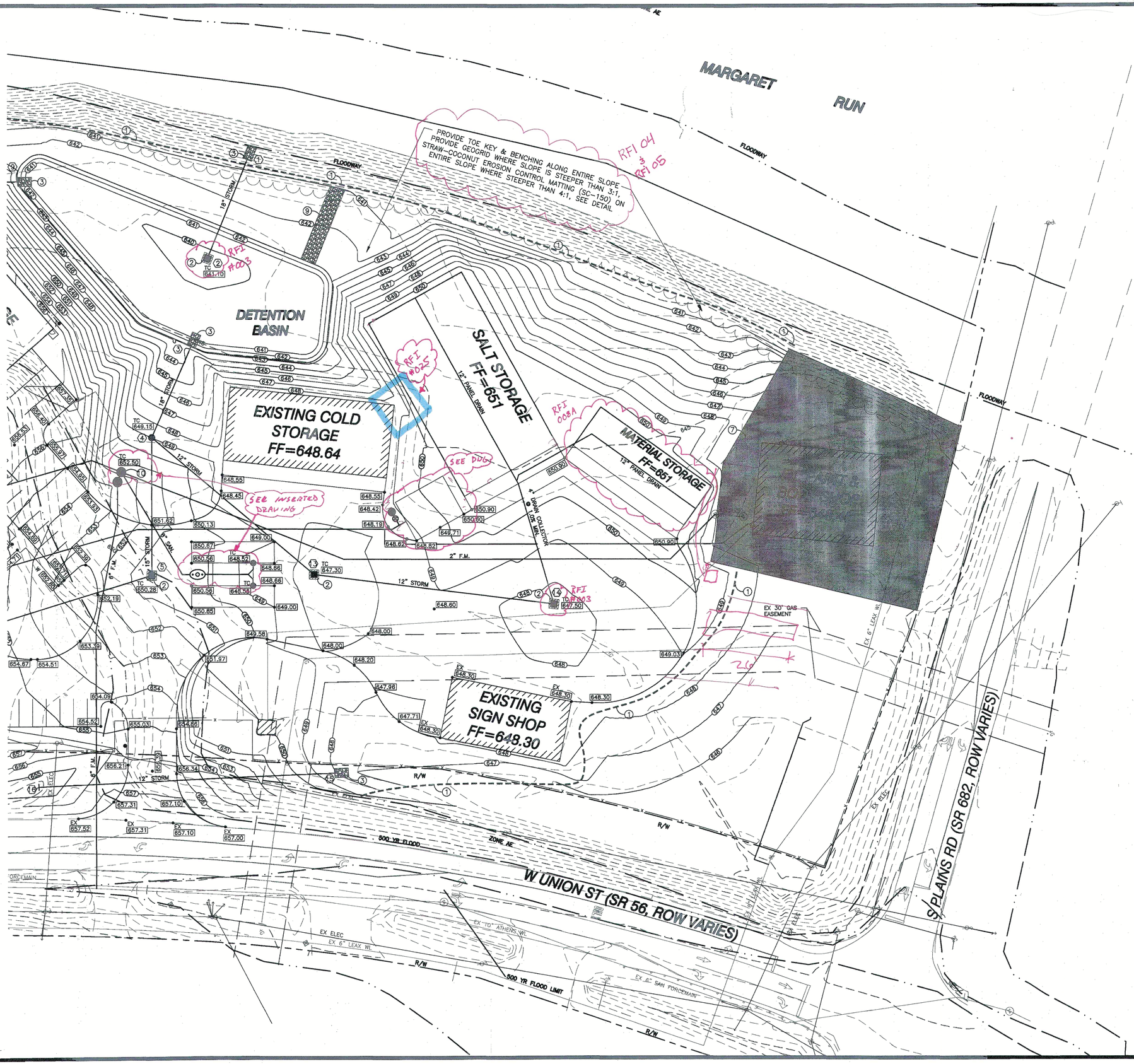
SITE GRADING PLAN (SOUTH)



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For Asphalt Fill, See RFI 02.

NONE USED

For storm concrete encasement, See RFI's 01 and 012.

FEMA MAP NO. 39009C0210C DATED DEC. 18TH, 2009

100 YEAR FLOOD ELEVATION = 649.00

NORTH

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30 15 0 30

1" = 30'

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MAY 16, 2014

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SITE GRADING PLAN (NORTH)

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 012

REQUEST FOR INFORMATION

TO: Sands Decker CPS
ATTN: Jason Stevens
EMAIL: jstevens@sandsdeckercps.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Storm Pipe Initial Backfill

DATE: 9-Jul-14
PAGE: 1 of 1
DWG: C204, C003
SPEC: N/A

Please see attached RFI from our site contractor.

There appears to be a conflict in the drawings in regards to the sewer bedding and backfill. The original detail on C204 (4.17.14) is unrealistic to utilize and that was corrected in your RFI #1 per our conversation earlier. The new revised detail shows stone bedding with concrete encasement of the pipe. This detail is also unusable with this pipe since the concrete will cause the pipe to float or move offline. The pipe needs to be backfilled or "haunched" high enough to lock the pipe in place prior to placing the 6" cover of the pipe. ASTM D2321
Basic methods and past practices led us to include stone bedding, haunching and backfill complete with stone under pavement and final backfill with on site excavated material in lawn areas. This is the same as the detail 6 on sheet C003 that is the typical installation detail for PE pipe, which we are installing. Manufacturer's specs call for a stone bedding, haunching and initial backfill all of stone. The balance of the backfill is directed by the site design engineer. In this case the engineer has called for stone under pavement and native material in lawn areas.

Please let me know as to how to proceed.

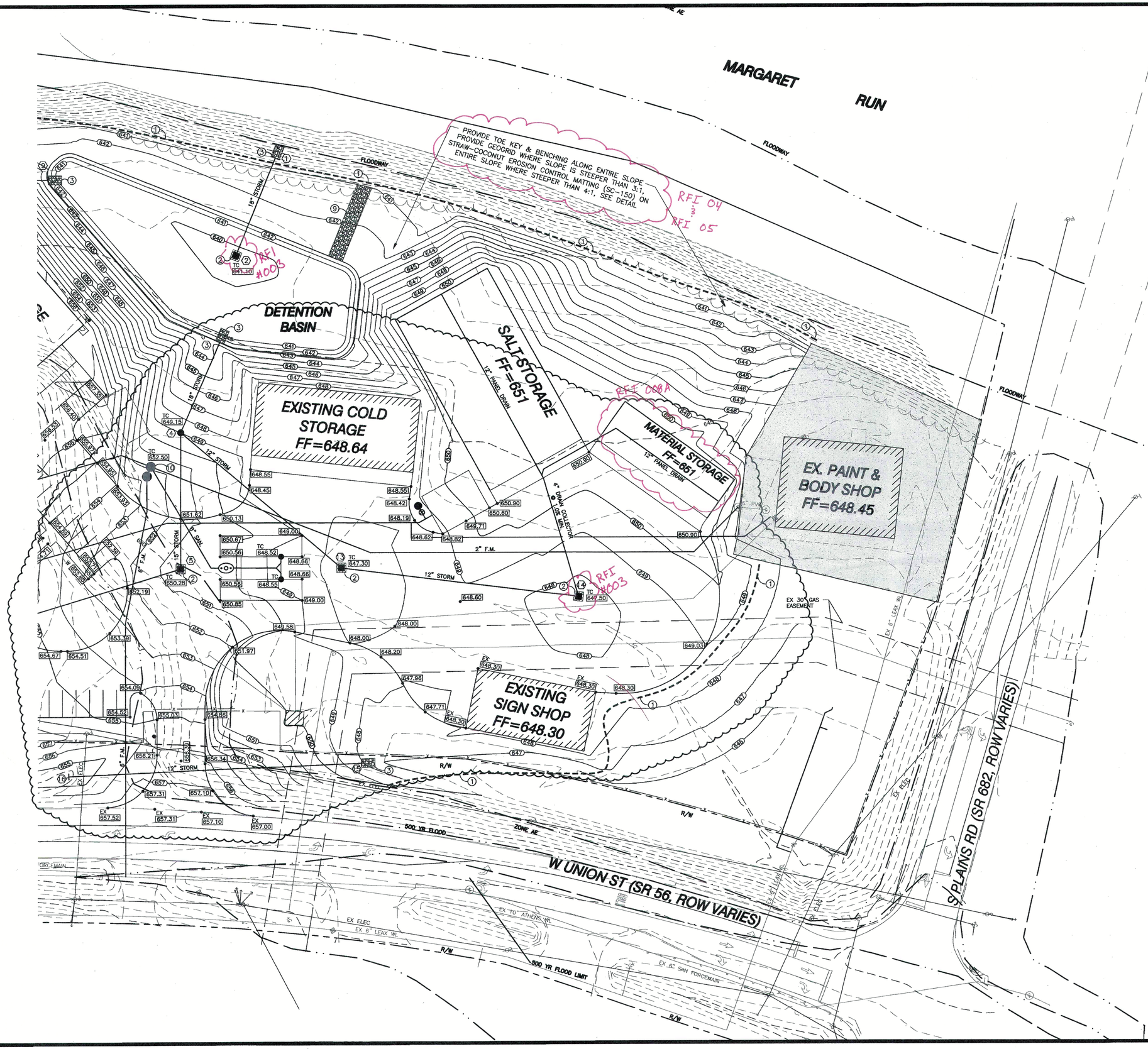
DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 11-Jul-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

The pipe shall be installed per plan and the contractor shall take the necessary measures to anchor the pipe to ensure that it will not float or move offline while being encased in concrete.

DATE OF REPLY: 7-17-14 **SIGNED:** Jason Stevens

FINAL DISTRIBUTION: File, Field



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For Asphalt Fill, See RFI 02 None Used.

FEMA MAP NO. 39009C0210C DATED DEC. 18TH, 2009

100 YEAR FLOOD ELEVATION = 649.00

NORTH

GRAPHIC SCALE

30 15 0 30

1" = 30'

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MARCH 26, 2014

REVISED:
4-17-14

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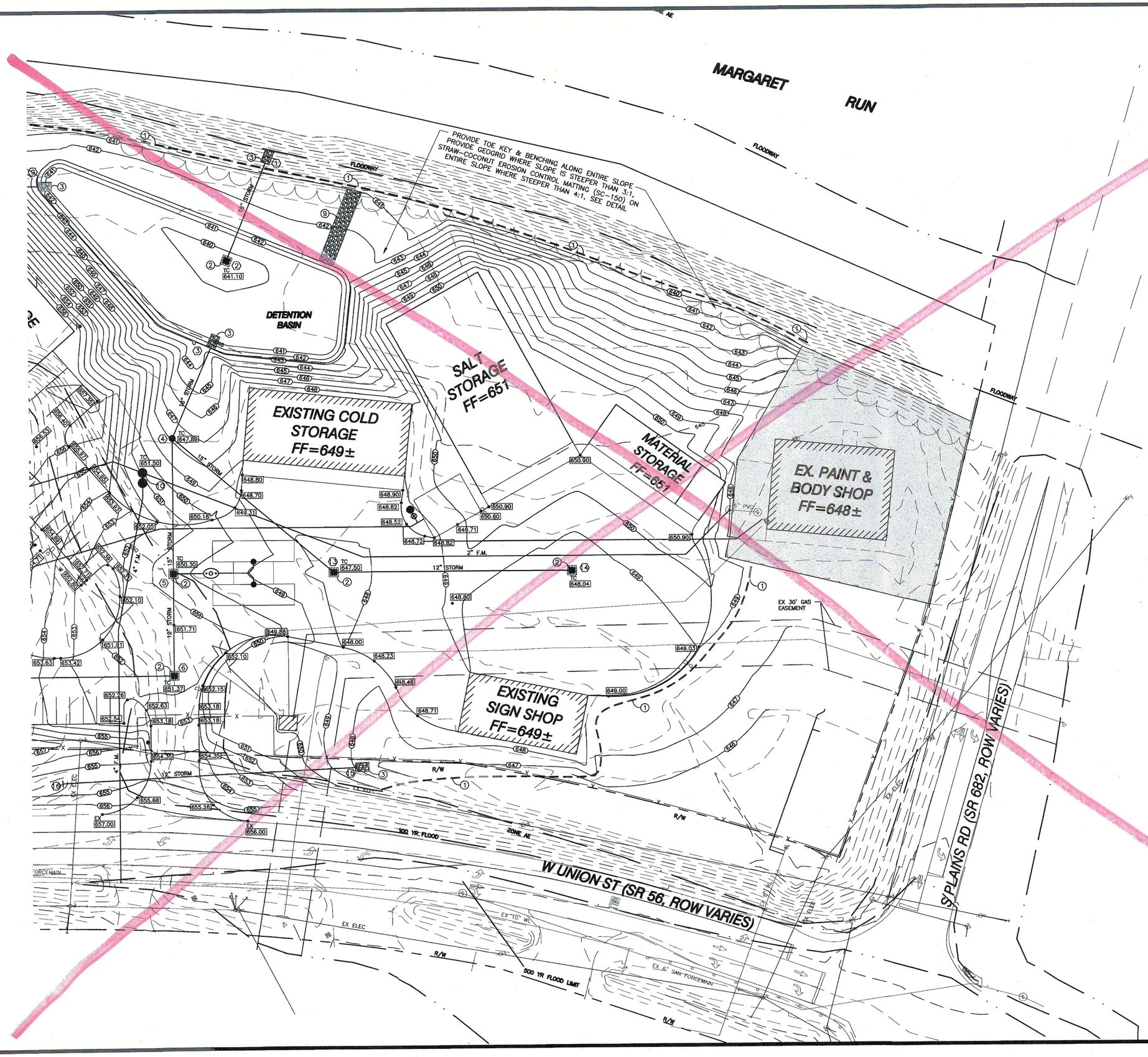
SITE GRADING PLAN (NORTH)



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FEBRUARY 27, 2014

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 001

REQUEST FOR INFORMATION

TO: Sands Decker CPS
ATTN: Scott Sands
EMAIL: scott.sands@sandsdeckercps.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Storm Utility Drainage Bedding

DATE: 9-May-14
PAGE: 1 of 1
DWG:
SPEC: 334100, 3.09, A4i & B2i

Per specification section 33 41 00, 3.09, A4i and B2i, it calls out for lean concrete to be used as the bedding material for storm drainage piping and downspout collectors/foundation drain collector piping respectively under paved areas.

TMCC has never seen this used as bedding material and would be extremely difficult to install especially with required slopes and round pipes. Is lean concrete required to be used as the bedding material for the storm piping?

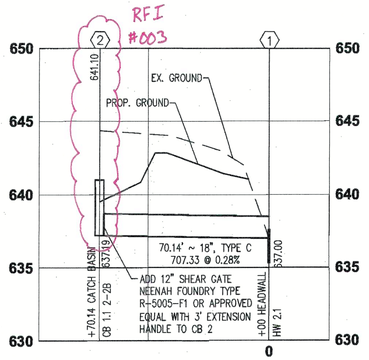
DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 14-May-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

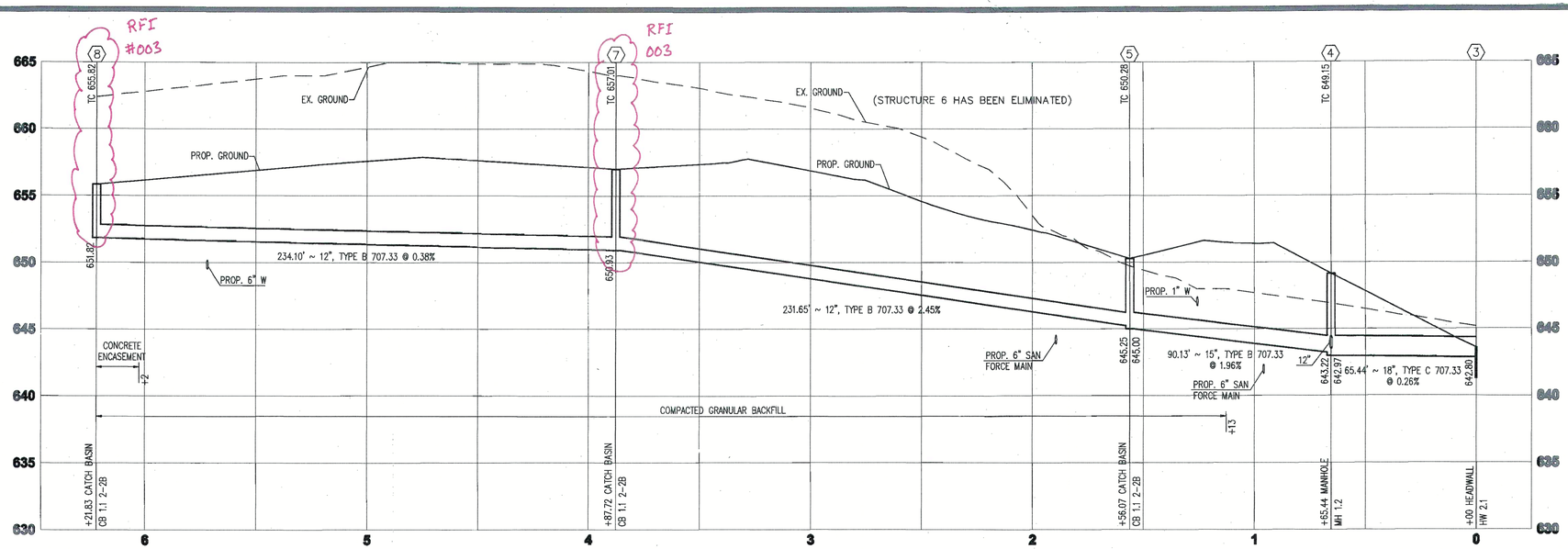
Concrete is not required as the bedding material for storm drainage pipe. Typical granular backfill shall be used for bedding material. Concrete encasement is only required if the pipe is under pavement and the cover over the pipe is less than 30 inches. Please see the revised detail #7 and the storm sewer profiles for limits of concrete encasement.

DATE OF REPLY: 5-16-14 **SIGNED:** Jason Stevens

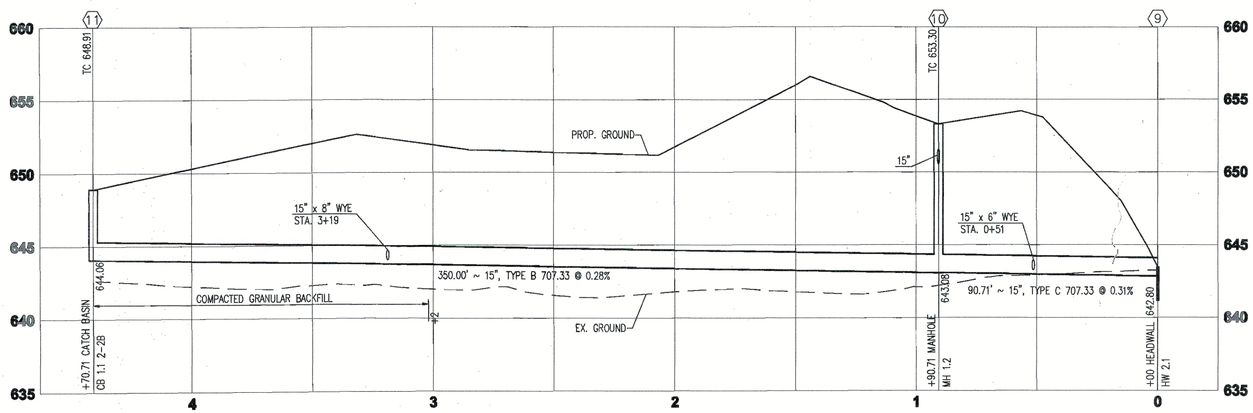
FINAL DISTRIBUTION: File, Field



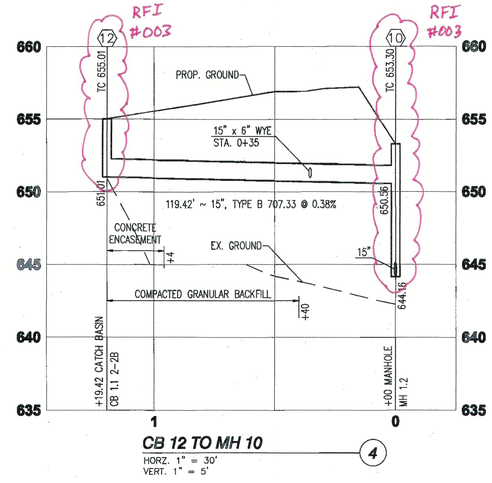
CB 2 TO HW 1 (1)
HORZ. 1" = 30'
VERT. 1" = 5'



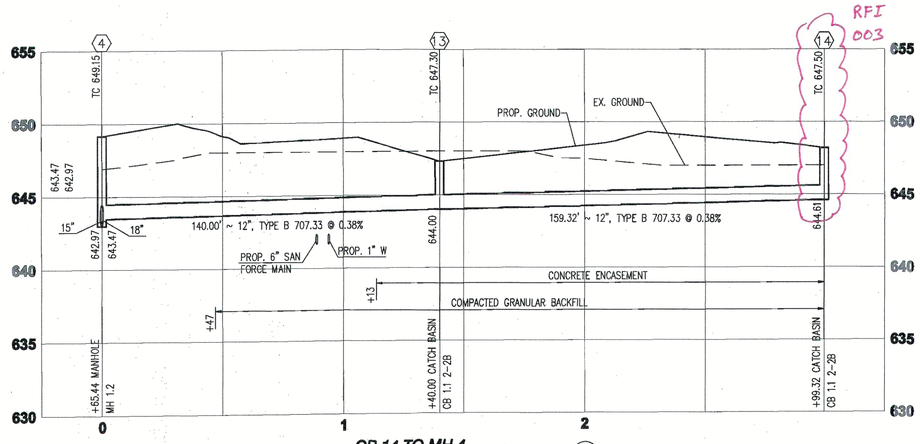
CB 8 TO HW 3 (2)
HORZ. 1" = 30'
VERT. 1" = 5'



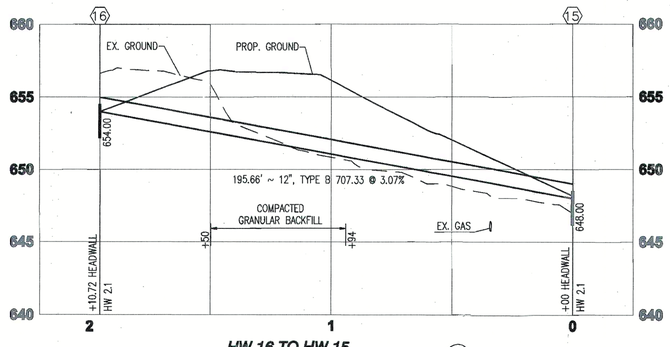
CB 11 TO HW 9 (3)
HORZ. 1" = 30'
VERT. 1" = 5'



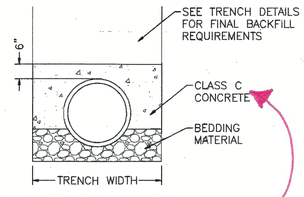
CB 12 TO MH 10 (4)
HORZ. 1" = 30'
VERT. 1" = 5'



CB 14 TO MH 4 (5)
HORZ. 1" = 30'
VERT. 1" = 5'

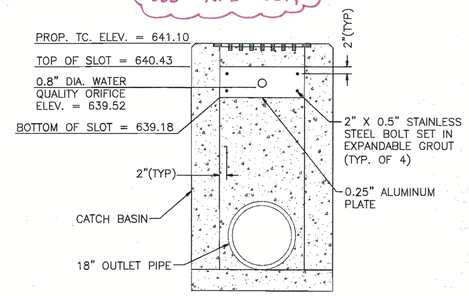


HW 16 TO HW 15 (6)
HORZ. 1" = 30'
VERT. 1" = 5'



CONCRETE ENCASEMENT (7)
NOT TO SCALE

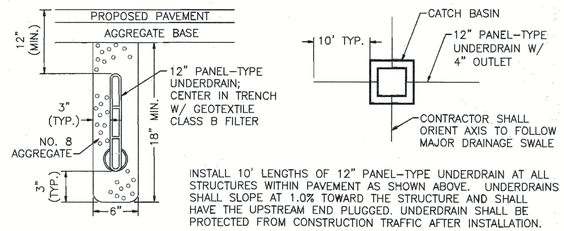
FOR CONCRETE ENCASEMENT, SEE RFI #001, 02



ORIFICE PLATE TO BE SET ON EAST FACE OF CATCH BASIN

CONTRACTOR SHALL INSTALL ORIFICE PLATE TO BE REMOVABLE IN ORDER TO PERFORM SCHEDULED MAINTENANCE.

OUTLET CONTROL ORIFICE PLATE @ CB 2 (8)
NOT TO SCALE



INSTALL 10' LENGTHS OF 12" PANEL-TYPE UNDERDRAIN AT ALL STRUCTURES WITHIN PAVEMENT AS SHOWN ABOVE. UNDERDRAINS SHALL SLOPE AT 1.0% TOWARD THE STRUCTURE AND SHALL HAVE THE UPSTREAM END PLUGGED. UNDERDRAIN SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC AFTER INSTALLATION.

CATCH BASIN FINGER DRAINS (9)
NOT TO SCALE

THOMAS & MARKER CONSTRUCTION
SANDS DECKER CPS
ENGINEERS • SURVEYORS

STATE OF OHIO
J. SCOTT SANDS 55001
REGISTERED PROFESSIONAL ENGINEER

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
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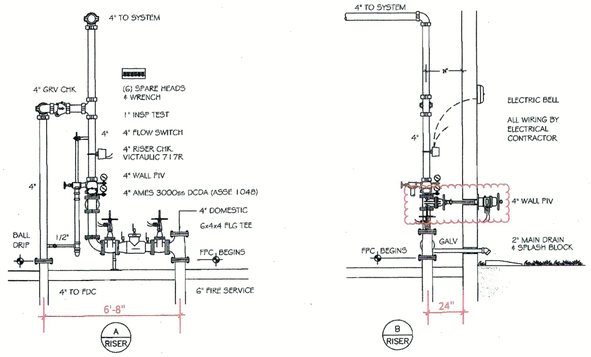
C204

STORM SEWER PROFILES

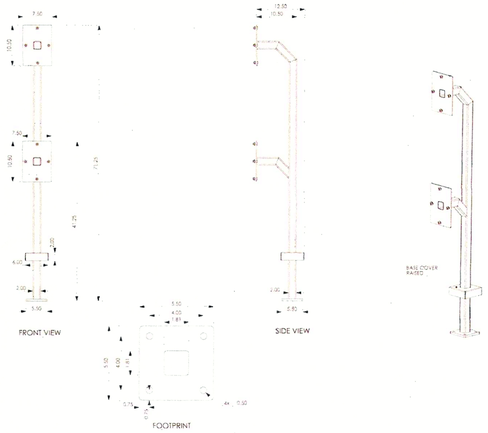


FIRE PROTECTION RISER

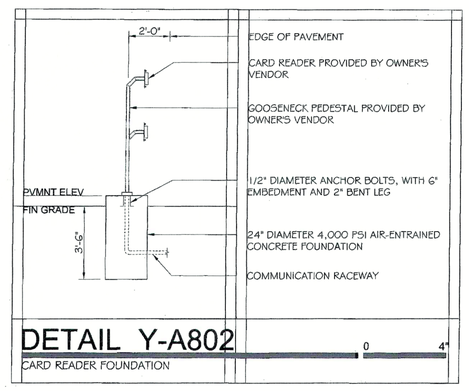
NOT TO SCALE

ETP-GP-D – Gooseneck Pedestal for both Cars and Trucks

Dimensions



All dimensions are in inches.



Matulja, Rick

From: Andry, Tom
Sent: Thursday, September 11, 2014 8:22 AM
To: Matulja, Rick
Subject: FW: Approval for patch technique

Please post
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Sheldon Price <sprice@mrexcavator.com>
Sent: Thursday, September 11, 2014 7:10 AM
To: Andry, Tom; Hannahs, Joe; ksharrold@aol.com
Subject: FW: Approval for patch technique

Here is the patch approval from Andy Stone

From: Andy Stone [mailto:astone@ci.athens.oh.us]
Sent: Wednesday, September 10, 2014 1:16 PM
To: Sheldon Price
Cc: Nicholas Joseph
Subject: Approval for patch technique

Mr. Price,

Per our phone discussion, it is approved for you to conduct the W. Union St. trench patching with concrete up to minus 2", then complete the repair with surface course asphalt. Please ensure your backfill is compacted.

Thank you,

Andrew B. Stone, PE, SI
City Engineer & Director of Public Works
30 Curran Dr., Athens. OH 45701

Matulja, Rick

From: Andry, Tom
Sent: Monday, September 08, 2014 11:43 AM
To: Sheldon Price
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: FW: Athens ODOT - Fire Protection Information
Attachments: Athens ODOT FP riser.pdf

Sheldon,
For your records. I already gave to Kevin in the field. Thanks.

Rick,
Please post the attachment and email to drawings. Thanks.
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Vincent Todd Lockhart <tlockhart@centralfp.com>
Sent: Monday, September 08, 2014 10:12 AM
To: Andry, Tom
Subject: RE: Athens ODOT - Fire Protection Information

Tom,
Here is our riser detail with dimensions. The 6" fire service must be 24" from Centerline to exterior wall to allow for the installation of the wall PIV.
There is no minimum code clearance between the hydrant and the FDC. Just make sure there is enough room to install hoses. My opinion, 4'-0 apart (minimum).

Also, we have pushed back our delivery for the Truck Storage to the 15th due to our shop fab schedule. Let me know if you see a problem with this.

Thanks,

Vincent Todd Lockhart - Estimator/PM
CENTRAL FIRE PROTECTION CO. INC.
583 Seima Road | Springfield, Ohio 45505
Bus: (937) 322-0713 | Fax: (937) 322-0710

From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Monday, September 08, 2014 9:02 AM
To: tlockhart@centralfp.com

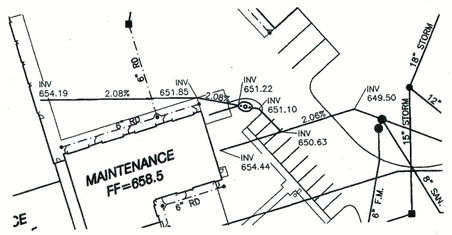
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: Athens ODOT - Fire Protection Information

Vincent,
The site contractor will be installing the 6" waterline into the building and will need to know the following information:

1. Dimension from centerline of incoming 6" water line to centerline of 4" outlet for hydrant
2. Dimension from centerline of incoming 6" water line to centerline of 4" FDC. The FDC was mounted on the side of the building but RFI 6 changed the FDC connection next to the fire hydrant.

Please advise by the end of today so that these items can be installed. Thanks.
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility



Fuel Island = 0.64% No Waste, just storm water.

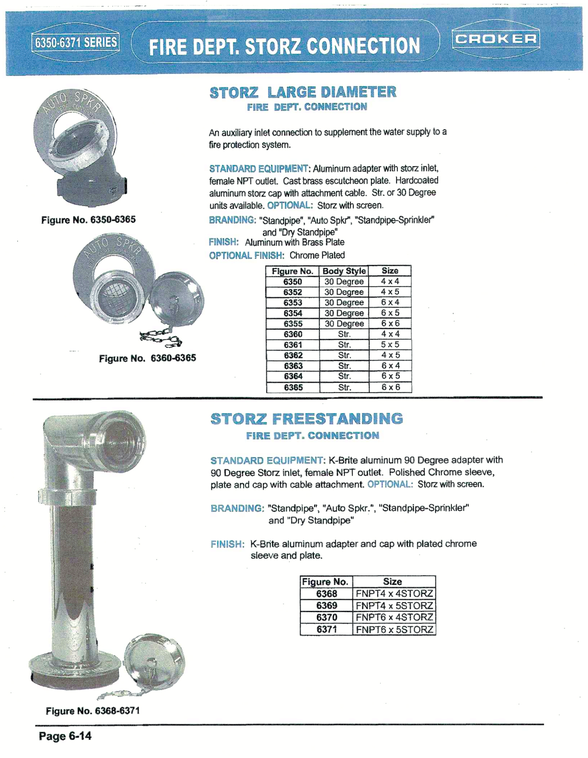


Figure No. 6350-6365

Figure No. 6360-6365

STORZ LARGE DIAMETER
FIRE DEPT. CONNECTION

An auxiliary inlet connection to supplement the water supply to a fire protection system.

STANDARD EQUIPMENT: Aluminum adapter with storz inlet, female NPT outlet. Cast brass escutcheon plate. Hardcoated aluminum storz cap with attachment cable. Str. or 30 Degree units available. **OPTIONAL:** Storz with screen.

BRANDING: "Standpipe", "Auto Spkr", "Standpipe-Sprinkler" and "Dry Standpipe"

FINISH: Aluminum with Brass Plate

OPTIONAL FINISH: Chrome Plated

Figure No.	Body Style	Size
6350	30 Degree	4 x 4
6352	30 Degree	4 x 5
6353	30 Degree	5 x 4
6354	30 Degree	6 x 5
6355	30 Degree	6 x 6
6360	Str.	4 x 4
6361	Str.	5 x 5
6362	Str.	4 x 5
6363	Str.	6 x 4
6364	Str.	6 x 5
6365	Str.	6 x 6

Figure No. 6368-6371

STORZ FREESTANDING
FIRE DEPT. CONNECTION

STANDARD EQUIPMENT: K-Brite aluminum 90 Degree adapter with 90 Degree Storz inlet, female NPT outlet. Polished Chrome sleeve, plate and cap with cable attachment. **OPTIONAL:** Storz with screen.

BRANDING: "Standpipe", "Auto Spkr.", "Standpipe-Sprinkler" and "Dry Standpipe"

FINISH: K-Brite aluminum adapter and cap with plated chrome sleeve and plate.

Figure No.	Size
6368	FNPT4 x 4STORZ
6369	FNPT4 x 5STORZ
6370	FNPT6 x 4STORZ
6371	FNPT6 x 5STORZ

RE: ODOT Athens Fire Hydrant Cut Sheet

Nicholas Joseph <njoseph@ci.athens.oh.us>

Wed 6/25/2014 4:10 PM

To: Gonzalez, German <ggonzalez@thomas-marker.com>; Andy Stone <astone@ci.athens.oh.us>; Hannahs, Joe <jhannahs@thomas-marker.com>;

Cc: Andry, Tom <tandry@thomas-marker.com>;

The attached parts are per city specification. The tapping sleeve shall be a Ford type fast tap tee, not Romac. The tapping valve is acceptable. The Woodford Sanitary model yard hydrant (Model S-3) is acceptable to prevent cross connections.
We will want to install Clow ductile iron pipe, class 52 (in a poly sleeve bag) and sand coverage under the roadway, then transition to your plastic pipe that you will own. All pipe joints under the roadway will have a field lock internal rubber grip gasket and a Romac MJR grip restraint kit at the valve connection. Contact me for requirements for a radio read water meter to be installed in the building. I will need a size to spec out the meter type for you.

Nick W Joseph
Engineering & Public Works
Division of Water & Cross Connection Control
Supervisor
Class II Distribution System Operator
OEPA License # 1014918-97

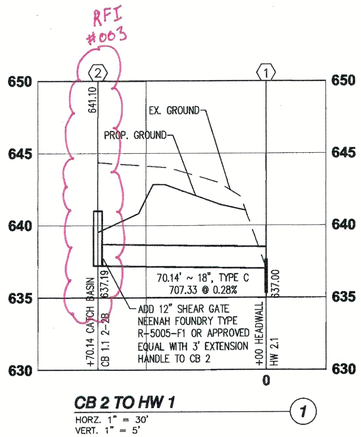
From: Gonzalez, German [mailto:ggonzalez@thomas-marker.com]
Sent: Wednesday, June 25, 2014 3:47 PM
To: Andy Stone; Hannahs, Joe
Cc: Andry, Tom; Nicholas Joseph
Subject: RE: ODOT Athens Fire Hydrant Cut Sheet

Mr. Stone,

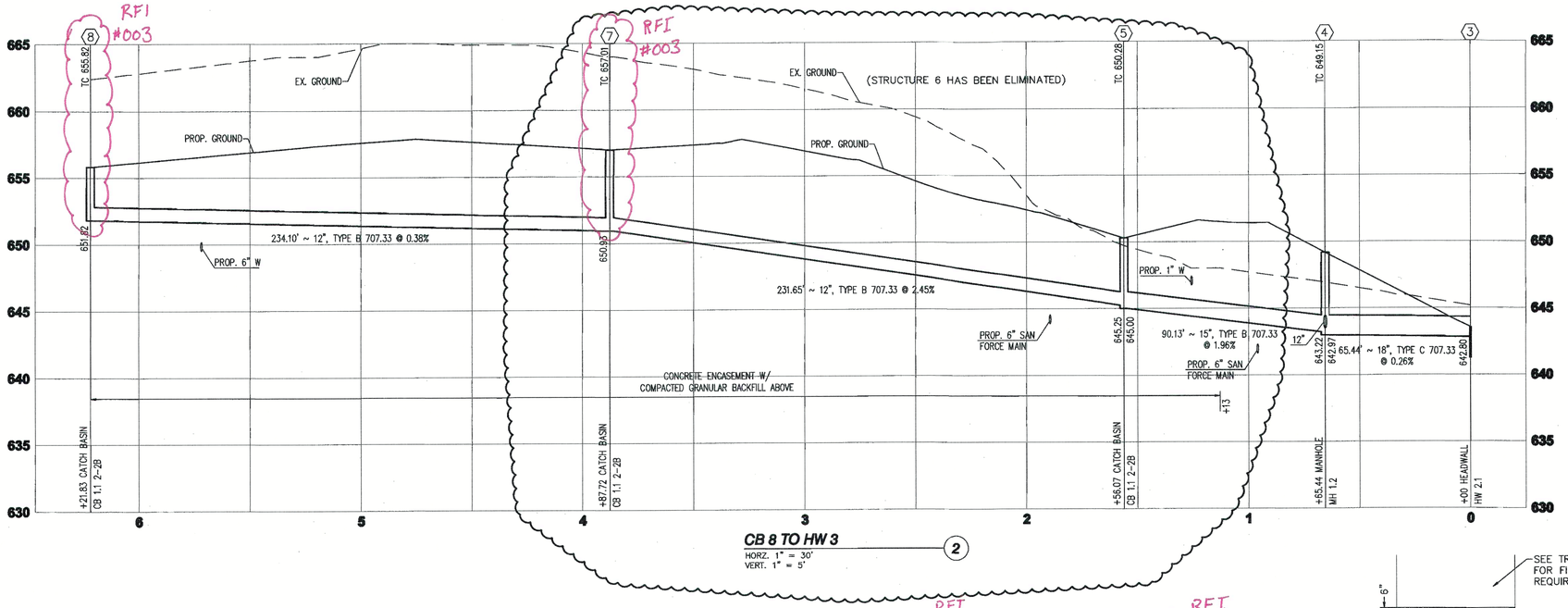
Please see the attached hydrant cut-sheet and refer to page 20.

Thanks,

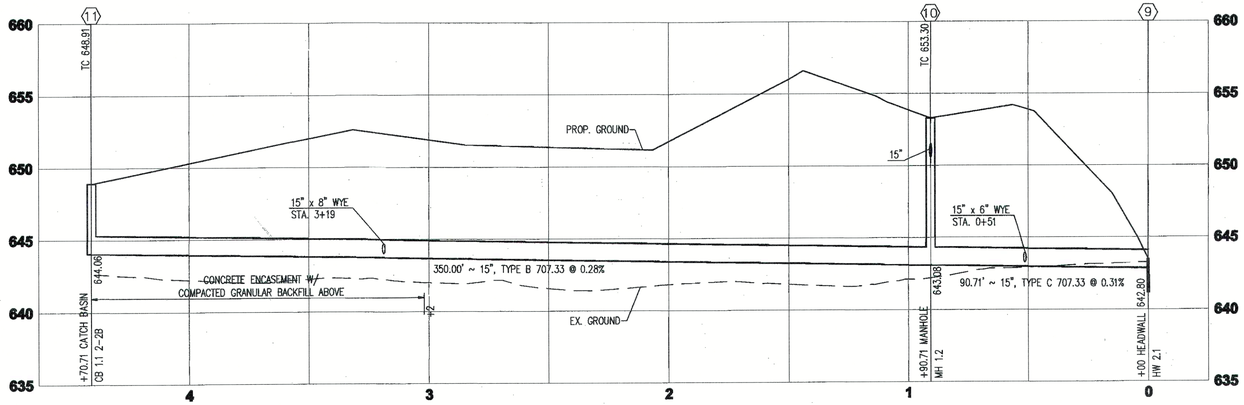
German



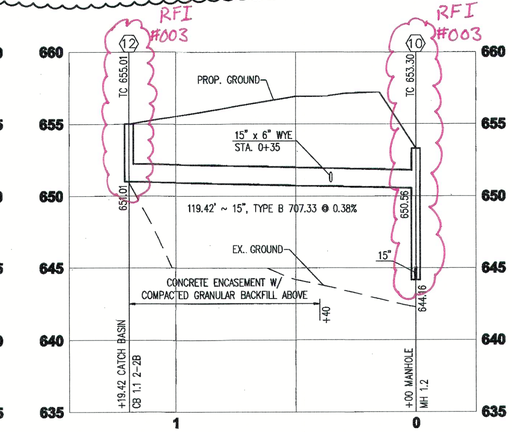
CB 2 TO HW 1 (1)
HORZ. 1" = 30'
VERT. 1" = 5'



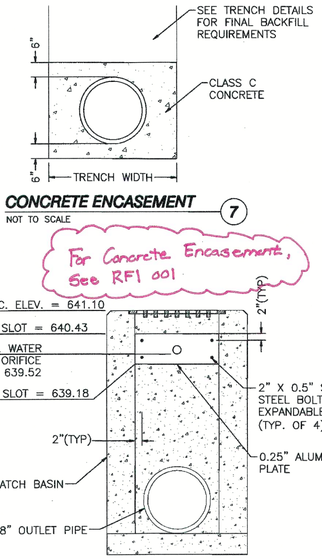
CB 8 TO HW 3 (2)
HORZ. 1" = 30'
VERT. 1" = 5'



CB 11 TO HW 9 (3)
HORZ. 1" = 30'
VERT. 1" = 5'



CB 12 TO MH 10 (4)
HORZ. 1" = 30'
VERT. 1" = 5'

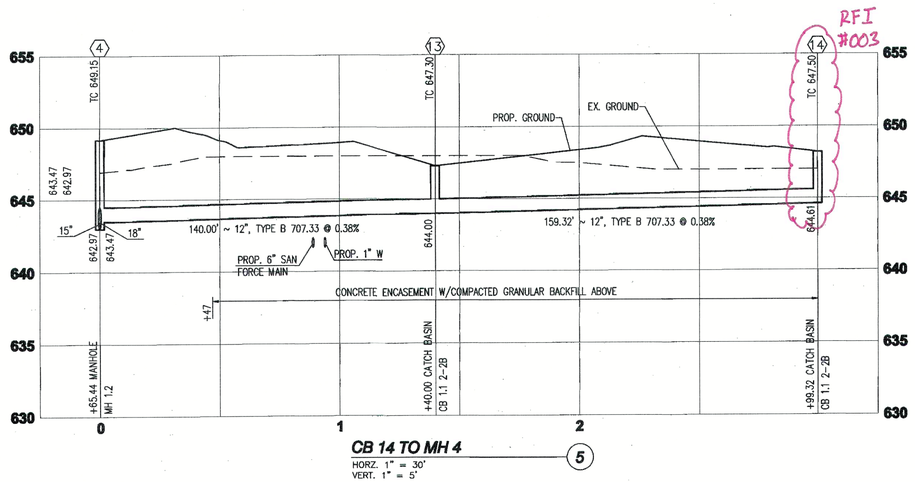


CONCRETE ENCASEMENT (7)
NOT TO SCALE

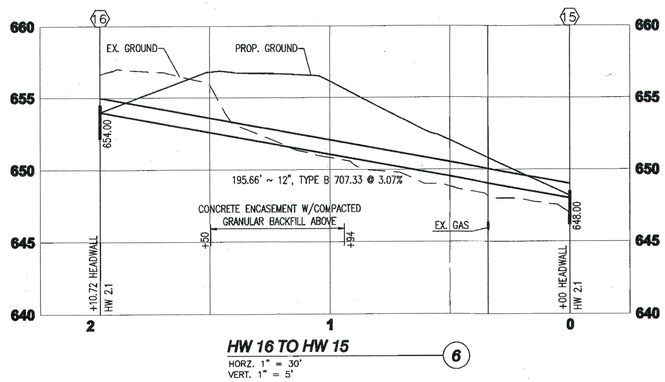
ORIFICE PLATE TO BE SET ON EAST FACE OF CATCH BASIN

CONTRACTOR SHALL INSTALL ORIFICE PLATE TO BE REMOVABLE IN ORDER TO PERFORM SCHEDULED MAINTENANCE.

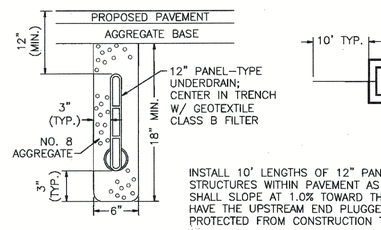
OUTLET CONTROL ORIFICE PLATE @ CB 2 (8)
NOT TO SCALE



CB 14 TO MH 4 (5)
HORZ. 1" = 30'
VERT. 1" = 5'



HW 16 TO HW 15 (6)
HORZ. 1" = 30'
VERT. 1" = 5'



INSTALL 10' LENGTHS OF 12" PANEL-TYPE UNDERDRAIN AT ALL STRUCTURES WITHIN PAVEMENT AS SHOWN ABOVE. UNDERDRAINS SHALL SLOPE AT 1.0% TOWARD THE STRUCTURE AND SHALL HAVE THE UPSTREAM END PLUGGED. UNDERDRAIN SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC AFTER INSTALLATION.

CATCH BASIN FINGER DRAINS (9)
NOT TO SCALE

THOMAS & MARKER CONSTRUCTION
SANDS DECKER CPS ENGINEERS • SURVEYORS

STATE OF OHIO
J. SCOTT SANDS
55001
REGISTERED PROFESSIONAL ENGINEER

EARLY SITE BID PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
4-17-14

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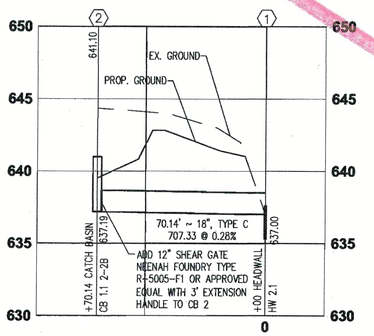
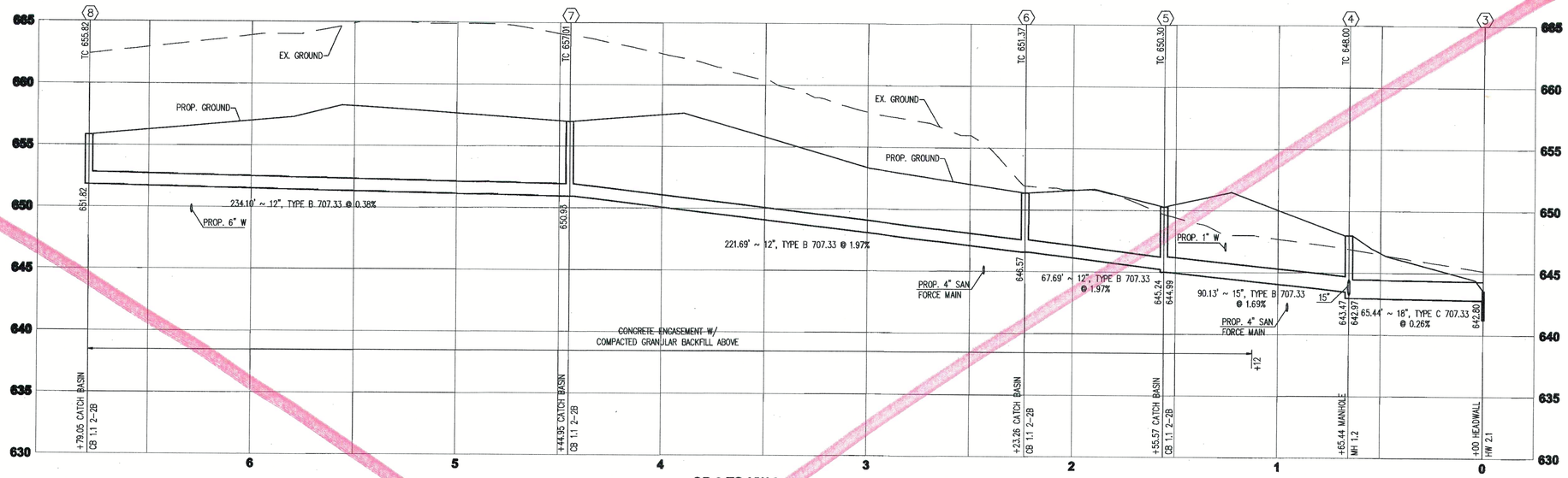
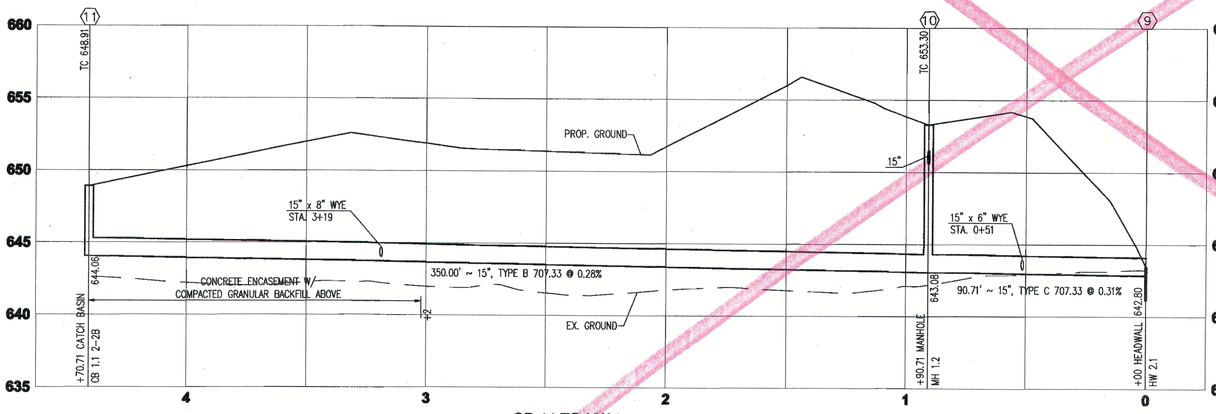
STORM SEWER PROFILES



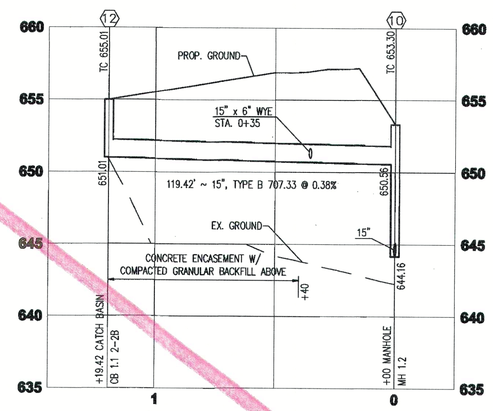
CB 2 TO HW 1 (1)
HORZ. 1" = 30'
VERT. 1" = 5'



CB 8 TO HW 3 (2)
HORZ. 1" = 30'
VERT. 1" = 5'



CB 11 TO HW 9 (3)
HORZ. 1" = 30'
VERT. 1" = 5'



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HORZ. 1" = 30'
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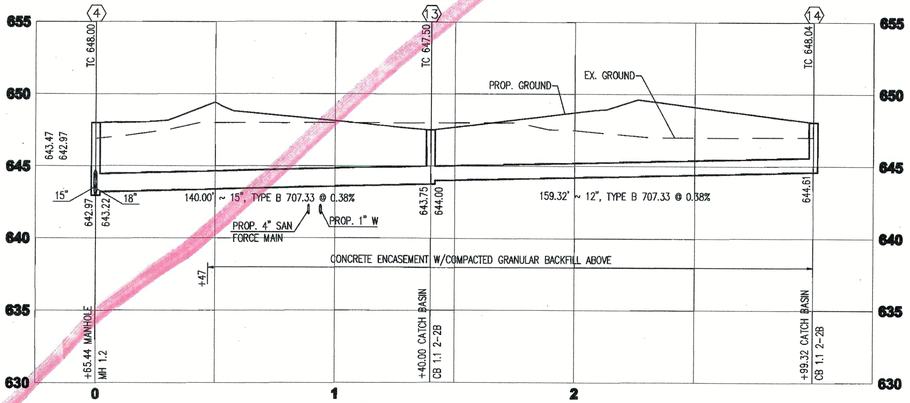
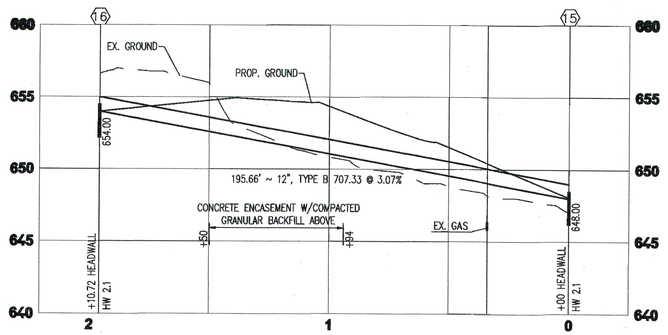
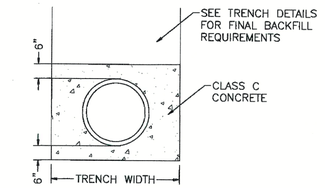


CB 14 TO MH 4 (5)
HORZ. 1" = 30'
VERT. 1" = 5'



HW 16 TO HW 15 (6)
HORZ. 1" = 30'
VERT. 1" = 5'



CONCRETE ENCASEMENT (7)
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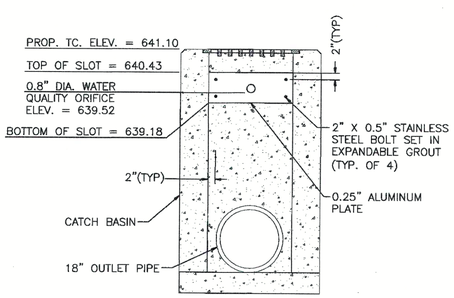

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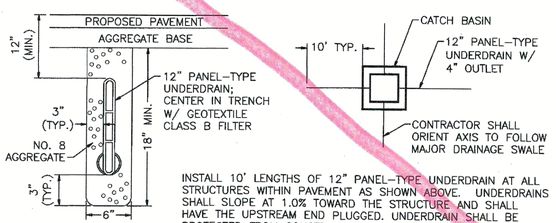

INSTALL 10' LENGTHS OF 12" PANEL-TYPE UNDERDRAIN AT ALL STRUCTURES WITHIN PAVEMENT AS SHOWN ABOVE. UNDERDRAINS SHALL SLOPE AT 1.0% TOWARD THE STRUCTURE AND SHALL HAVE THE UPSTREAM END PLUGGED. UNDERDRAIN SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC AFTER INSTALLATION.

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NOT TO SCALE

THOMAS & MARKER CONSTRUCTION
SANDS DECKER CPS
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OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

REVISED:

BID SET

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STORM SEWER PROFILES

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 006

REQUEST FOR INFORMATION

TO: Sands Decker CPS
ATTN: Jason Stevens
EMAIL: jstevens@sandsdeckercps.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Site Fire & Domestic Water

DATE: 17-Jun-14
PAGE: 1 of 1
DWG: C301, PT201
SPEC: N/A

Please confirm the following items.

Site drawing C301 calls out and shows a new single 6" Fire Line from existing City of Athens Water line across the street of West Union Street to inside the Truck Storage building. No new domestic water line is shown nor is a new tap shown on the civil drawings.

On plumbing drawing PT201, it shows and calls out a 6" incoming fire line and a 4" incoming domestic water line. Note 2 says see civil drawings for continuation.

Please advise on where the domestic water line is fed from?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 23-Jun-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

The 4" line coming out of the building is for the fire dept. connection and not a domestic water service line.

DATE OF REPLY: 6-17-14 **SIGNED:** Jason Stevens

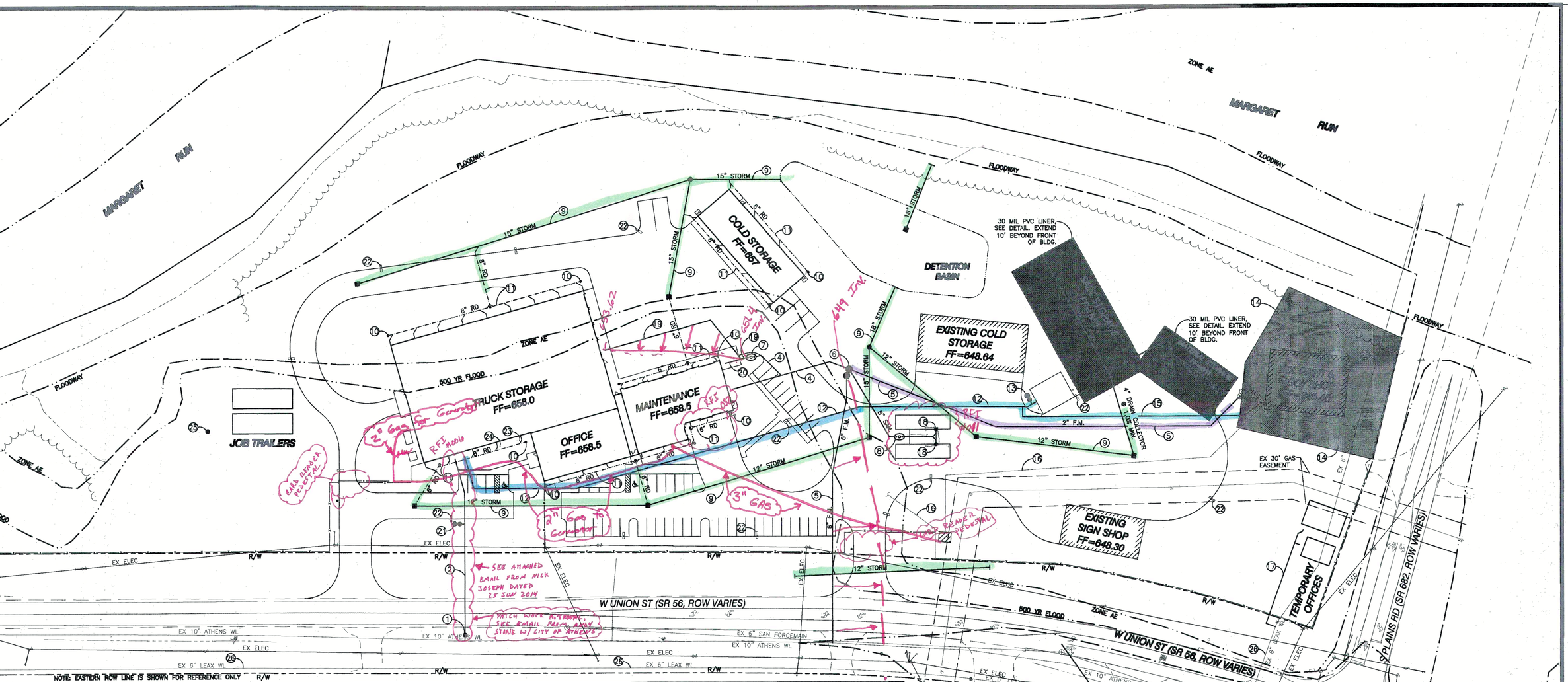
FINAL DISTRIBUTION: File, Field

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

Athens Full Service Maintenance Facility

ASI #001 - March 31, 2014

1. Reference attached updated sheet C301. The sheet shows the location of the existing 6" LEAX water line (keynote 26).
2. Reference the spec section 22 13 23 for use.



UTILITY KEYNOTES

1. 10" x 6" STAINLESS STEEL TAPPING SLEEVE & VALVE WITH HEAVY DUTY BOX. CONTRACTOR TO VERIFY LOCATION OF EX. WATERLINE.
2. 6" FIRE LINE.
3. POST INDICATOR VALVE TO BE LOCATED ON WALL TRUCK STORAGE. COORDINATE LOCATION W/ PLUMBING & ARCHITECTURAL PLAN.
4. 6" SANITARY SERVICE AT 2.08% (MIN.) SLOPE. COORDINATE CONNECTION POINT TO BUILDING SEWER WITH PLUMBING PLANS.
5. SANITARY FORCEMAIN.
6. SANITARY LIFT STATION. SEE DETAIL.
7. OIL INTERCEPTOR PROCEPTOR MODEL OMC 1500. REFERENCE MECHANICAL PLANS FOR DETAILS.
8. FUEL ISLAND OIL INTERCEPTOR REFERENCE MECHANICAL PLANS FOR DETAILS. CONNECT TO SANITARY FORCE MAIN.
9. STORM SEWER. SEE PROFILES.
10. CLEANOUT, TYP. SEE DETAIL.
11. DOWNSPOUT COLLECTOR @ 1.00% SLOPE (MIN). COORDINATE DOWNSPOUT/ROOF DRAIN LOCATION & CONNECTION WITH ARCHITECTURAL/PLUMBING PLANS.
12. 2" DOMESTIC WATER TO CALCIUM/BRINE SYSTEMS. COORDINATE CONNECTION POINTS W/ PLUMBING & ARCHITECTURAL PLANS.
13. NON-FREEZE SANITARY POST/YARD HYDRANT W/ VACUUM BREAKER HOSE CONNECTION (48" BURY DEPTH). SEE DETAIL. YARD HYDRANT TO BE FIELD LOCATED & CONNECTED TO 2" DOMESTIC WATER W/ SHUT OFF VALVE.
14. THIS AREA IS OUTSIDE PROJECT WORK LIMITS.
15. 1" WATER LINE TO EX. PAINT & BODY SHOP.
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RFI #0011

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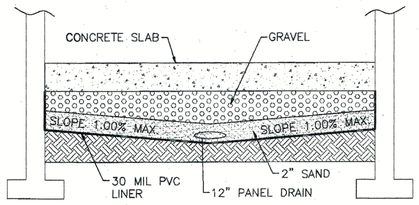

PVC LINER - CROSS SECTION DETAIL (1)
NOT TO SCALE
SALT STORAGE & MATERIAL STORAGE BUILDINGS

- OHIO ADMIN. 3745-95

On 4/15/14 Nick Joseph w/ City of Athens Water said that we cannot tap the existing 6" Le-ax line per Ohio Administration Code 3745-95. A property cannot have 2 sources of water from 2 different companies

NORTH

GRAPHIC SCALE
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1" = 50'

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THOMAS & MARKER CONSTRUCTION
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STATE OF OHIO
J. SCOTT SANDS
55001
REGISTERED PROFESSIONAL ENGINEER

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

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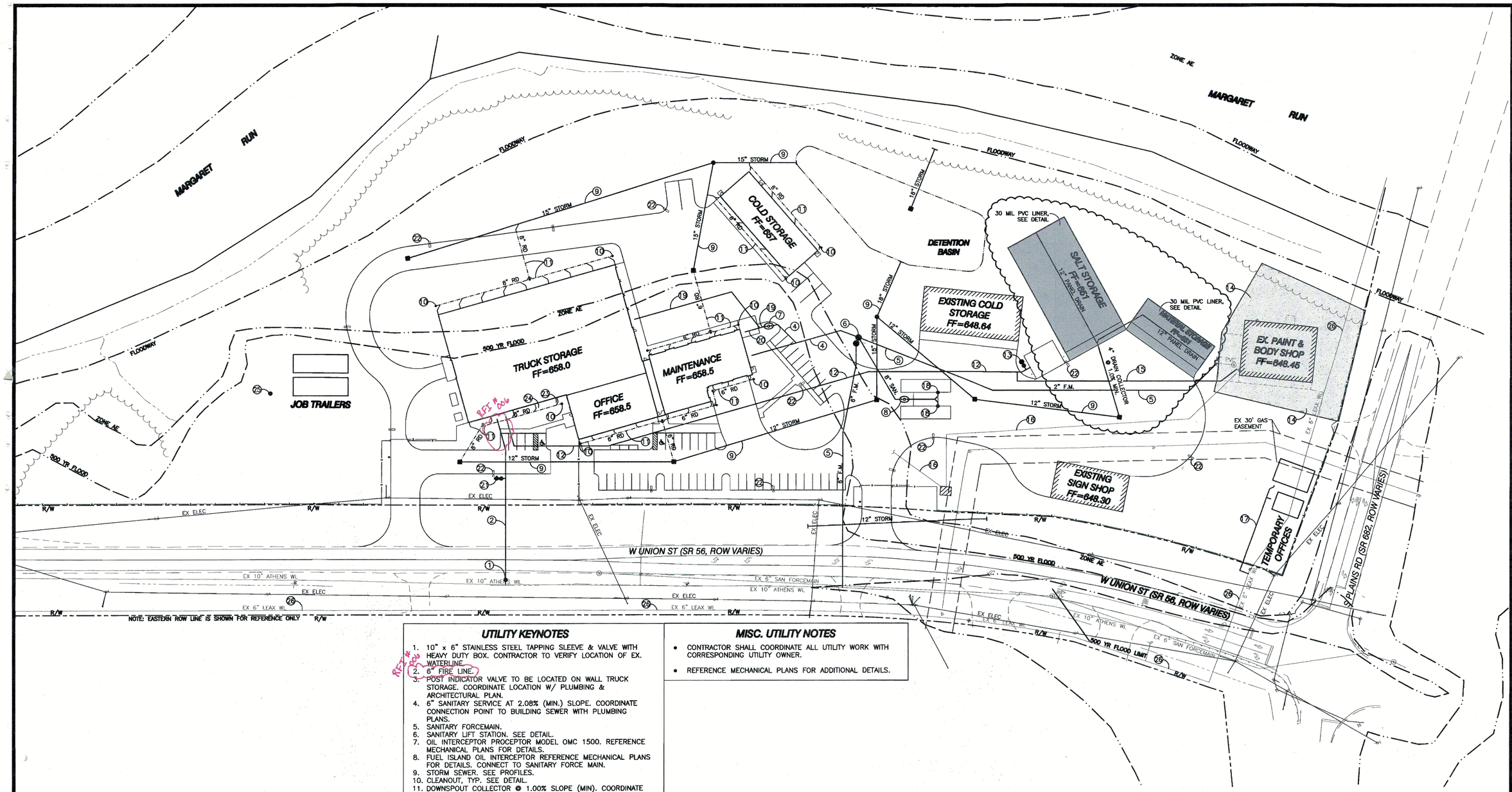
SITE UTILITY PLAN



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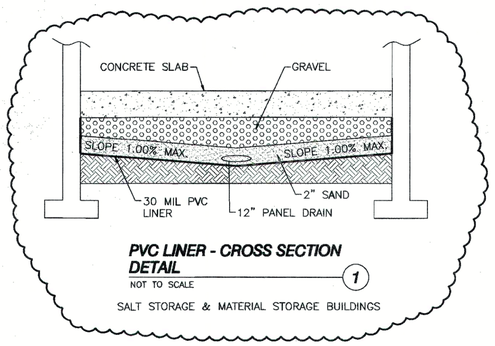

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EARLY SITE BID PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
MARCH 31, 2014

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4-17-14

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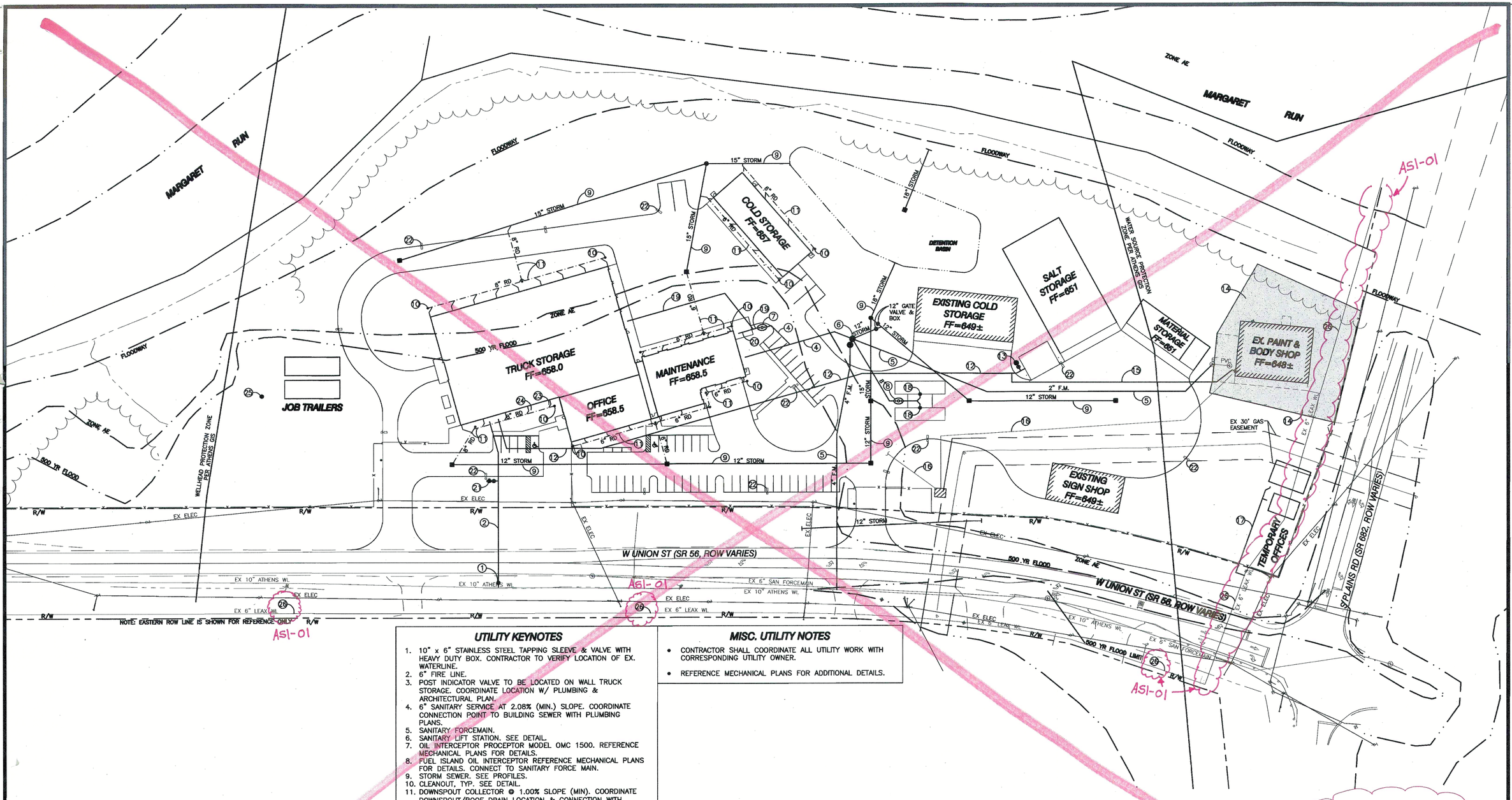
SITE UTILITY PLAN



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AS1-01

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AS1-01

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DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

OHIO DEPARTMENT OF TRANSPORTATION

OHIO FACILITIES CONSTRUCTION COMMISSION

CONSTRUCTION DOCUMENTS
MARCH 31, 2014

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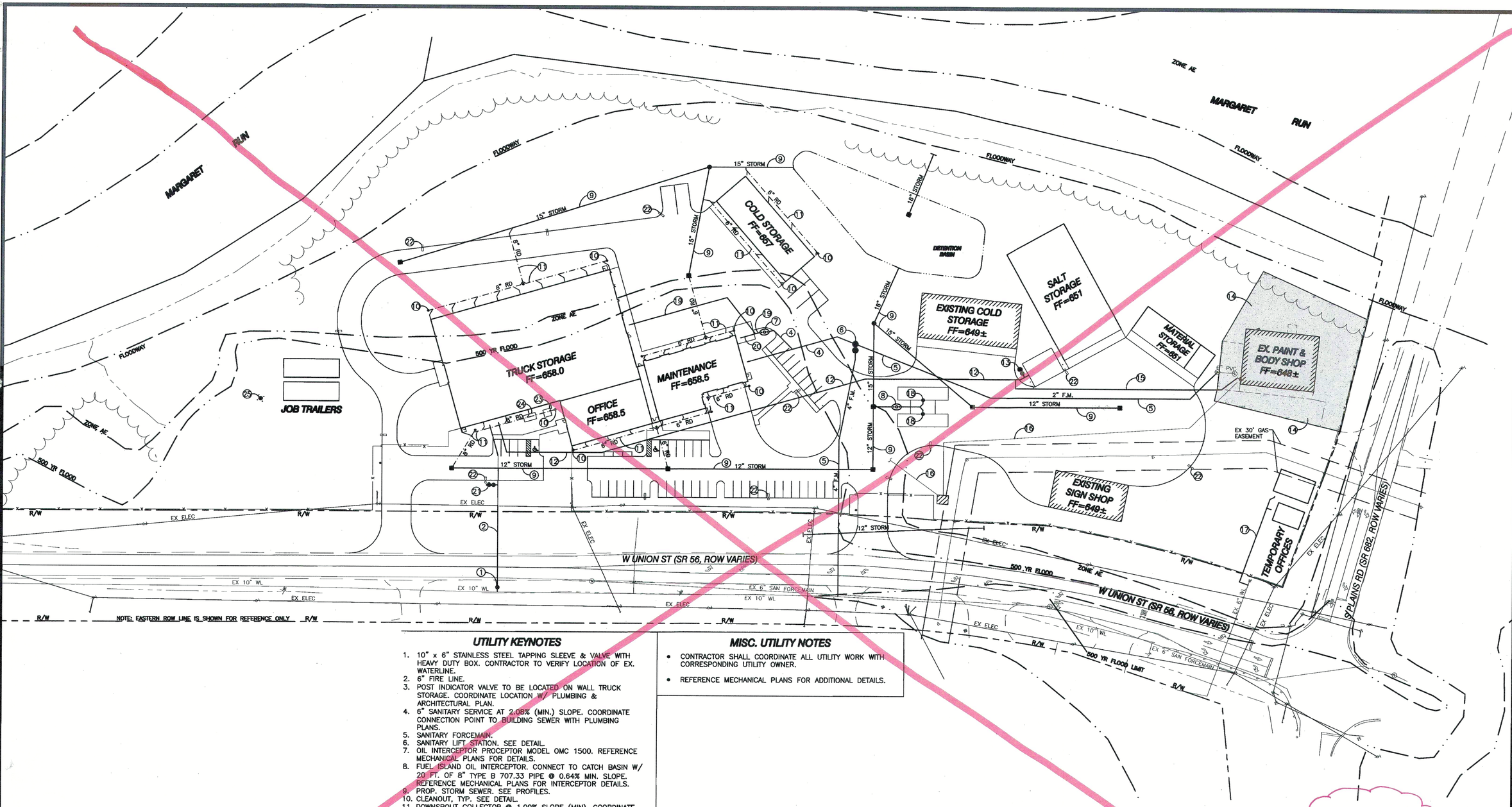
SITE UTILITY PLAN



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See ASI-01 For Existing 6" Leax Water Line.

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CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

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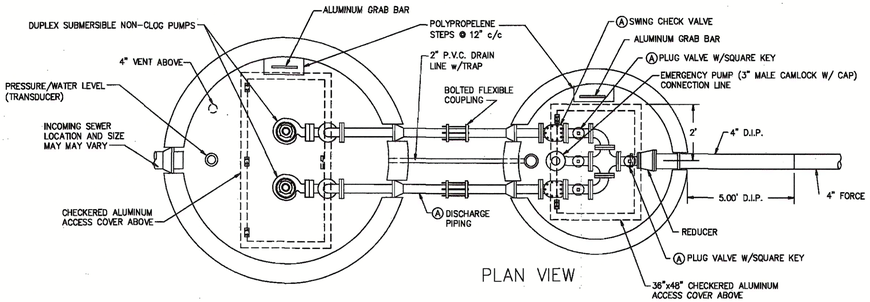
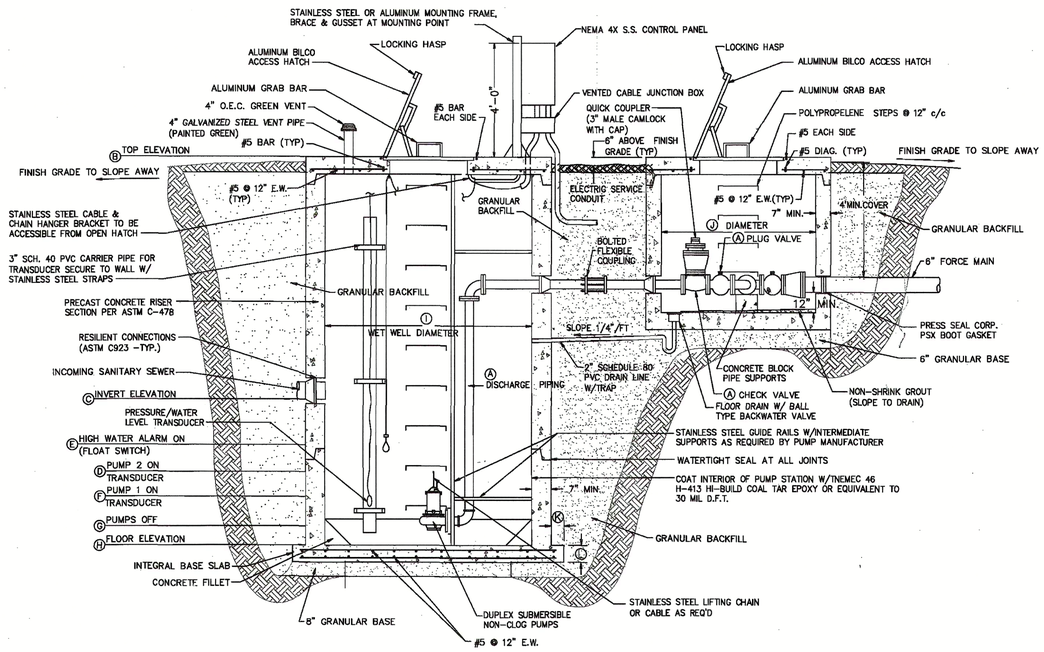
SITE UTILITY PLAN



PLAN VIEW



SECTION VIEW

LIFT STATION DETAIL (1)
NOT TO SCALE

GENERAL NOTES

1) BARREL SECTIONS PER ASTM C-478
2) O-RING JOINTS PER ASTM C-443
3) STEPS: REINFORCED POLYPROPELENE PLASTIC AS MANUFACTURED BY M.A. INDUSTRIES INC. (MODEL NO. PS1-PF)
4) ALL ELECTRICAL WORK TO COMPLY WITH NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES

OPERATION DATA

TYPE: 4" SUBMERSIBLE NON-CLOG SEWAGE PUMP
MANUFACTURER: HYDROMATIC, BARNES OR EQUIVALENT
MOTOR: 7-10 HP (MIN.), 208 VOLTS, THREE PH.
DUTY: 320 GPM AT 60 FT. TDH

LIFT STATION DATA

DISCHARGE PIPING SIZE (A)	TOP SLAB ELEVATION (B)	INCOMING INVERT(S) NORTH	SOUTH	NORTHEAST	No. 2 PUMP ON (D)	HIGH WATER ALARM (E)	No. 1 PUMP ON (F)
4"	652.50	649.00	645.00	646.00	645.00	645.00	644.50

PUMPS OFF (G)	FLOOR BOTTOM ELEVATION (H)	LIFT STATION DIAMETER (I)	VALVE VAULT DIAMETER (J)	BASE SLAB EXTENSION (K)	BASE SLAB THICKNESS (L)
640.00	639.00	6'	5'	12"	12"

LIFT STATION SPECIFICATIONS

THE WET WELL LIFT STATION AND VALVE SHALL BE CONSTRUCTED OF STANDARD PRECAST CONCRETE O-RING JOINT, MANHOLE SECTIONS AND BOTTOMS USING AN 8" PRECAST REINFORCED CONCRETE TOP SLAB AS PROVIDED BY MACK INDUSTRIES OR UNITED PRECAST OR EQUIVALENT AND/OR AS MODIFIED HEREWITH. A PADLOCK & 4 KEYS SHALL BE PROVIDED BY THE CONTRACTOR. START-UP SERVICES AND A 1-YEAR WARRANTY FOR THE ENTIRE UNIT SHALL BE PROVIDED, AND TWO-YEAR WARRANTY ON THE PUMPS.

THE PVC PIPE IN THE LIFT STATION SHALL BE SCHEDULE 80 PVC PIPE AND FITTINGS. MATERIAL AND EQUIPMENT MEETING THE REQUIREMENTS LISTED HEREIN SHALL BE PROVIDED AND INSTALLED ALONG WITH ALL NECESSARY ACCESSORIES TO PROVIDE A COMPLETE SERVICEABLE FACILITY. THE CONTRACTOR SHALL SUBMIT COPIES OF ALL SHOP AND EQUIPMENT DRAWINGS FOR APPROVAL PRIOR TO ORDERING OR INSTALLING ANY EQUIPMENT OR MATERIALS. THE TOP SLAB SHALL NOT BE POURED UNTIL THE OPENINGS AND ANCHOR BOLTS SPACING ARE DETERMINED FROM THE APPROVED SHOP DRAWINGS OF THE ELECTRICAL ENCLOSURE AND EQUIPMENT. THE ELECTRICAL CONDUIT, 1" PIPE, ANCHOR BOLT SHALL BE GALVANIZED. THE OPENING SHALL BE CAULKED AFTER INSTALLATION OF THE PIPE AND FITTINGS.

TWO SUBMERSIBLE NON-CLOG SEWAGE PUMPS SHALL BE PROVIDED. EACH UNIT SHALL BE CAPABLE OF PUMPING 320 GALLONS PER MINUTE AT 60 FEET TOTAL DYNAMIC HEAD, WHILE OPERATING ON 208 VOLTS, 60 CYCLE, THREE-PHASE POWER. THE PUMP SPEED SHALL NOT EXCEED 3450 RPM. THE PUMPS AND DISCHARGE PIPING SHALL BE DESIGNED TO PASS SOLIDS UP TO 3 INCHES IN DIAMETER. PUMP AND MOTOR CASE SHALL BE MADE FROM HEAVY CLOSE-RAIN CAST IRON WITH STAINLESS STEEL SHAFT AND FITTINGS. THE IMPELLER SHALL BE OF THE SOLIDS-HANDLING TYPE DESIGNED TO PUMP RAW SEWAGE AND WASTEWATER. EACH MOTOR SHALL HAVE TWO MECHANICAL SEALS INSTALLED IN TANDEM WITH AN OIL CHAMBER BETWEEN PUMP AND MOTOR. MOTOR SHALL HAVE A BUILT-IN THERMAL OVER-TEMPERATURE PROTECTION WITH AUTOMATIC RESET. THE MOTOR SHALL HAVE TWO MOISTURE SENSING PROBES. EACH PUMP SHALL HAVE SUFFICIENT MULTI-CONDUCTOR CABLE, WITH GROUND WIRE, POWER LEADS, THERMAL DETECTOR LEADS, AND MOISTURE SENSOR LEADS. PUMPS SHALL BE HYDROMATIC, BARNES OR APPROVED EQUIVALENT, AND SUPPLIED WITH MANUFACTURER'S STANDARD TWO (2) YEAR MINIMUM WARRANTY.

SCOPE: WORK COVERED BY THIS SPECIFICATION SHALL INCLUDE ALL LABOR AND MATERIAL REQUIRED TO EXTEND ELECTRIC AND TELEPHONE SERVICES TO THE PROPOSED LIFT STATION. IT IS THE INTENT OF THIS SPECIFICATION THAT THE CONTRACTOR ALSO PROVIDE INCIDENTAL ITEMS THAT MAY NOT BE DELINEATED HEREIN BUT ARE REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

EXISTING CONDITIONS: THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK AND HE MUST CONSIDER SAME AS PART OF HIS BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CONTRACTOR'S FAILURE TO BECOME AWARE OF EXISTING CONDITIONS.

PERMIT AND INSPECTION: THE CONTRACTOR IS REQUIRED TO OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED IN THE PROSECUTION OF THIS CONTRACT. THE CONTRACTOR IS ALSO REQUIRED TO HOLD A VALID QUALIFICATION CERTIFICATE AS ISSUED BY THE STATE OF OHIO, DEPARTMENT OF INDUSTRIAL RELATIONS, OHIO CONSTRUCTION INDUSTRY EXAMINING BOARD. IN THE EVENT THAT THERE IS NO LOCAL INSPECTING AUTHORITY, THE CONTRACTOR SHALL PROCURE A CERTIFICATE OF PLAN APPROVAL AND NECESSARY INSPECTION FROM THE STATE OF OHIO, DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF FACTORY AND BUILDING INSPECTION AS REQUIRED BY LAW, UNLESS OTHERWISE NOTED HEREIN OR ELSEWHERE IN THE PROJECT DOCUMENTS.

CODES: ALL ELECTRICAL WORK FOR THIS PROJECT SHALL BE INSTALLED WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRIC CODE (NEC) AND ALL STATE AND LOCAL CODES. SAID CODES SHALL BE CONSIDERED THE MINIMUM STANDARD FOR MATERIALS AND METHODS NOT OTHERWISE COVERED IN THIS SPECIFICATION.

GROUNDING: GROUND ALL ELECTRICAL EQUIPMENT FURNISHED OR CONNECTED UNDER THIS CONTRACT IN ACCORDANCE WITH ARTICLE 250 OF THE NEC. SIZE ALL GROUNDING CONDUCTORS AS REQUIRED BY THE APPROPRIATE TABLES IN SAID ARTICLE.

CONDUIT: ALL WIRING SHALL BE INSTALLED IN CONDUIT. RIGID GALVANIZED STEEL CONDUIT SHALL BE USED FOR ABOVE GRADE WIRING AND SCHEDULE 40 PVC MAY BE USED FOR WIRING INSTALLED BELOW GRADE.

WIRE: ALL WIRE SHALL BE STRANDED COPPER WITH THHN INSULATION. CONDUCTORS SIZES SHALL BE SELECTED SO THAT THE MAXIMUM VOLTAGE DROP DOES NOT EXCEED 3% OF THE NOMINAL SERVICE VOLTAGE FOR THE ENTIRE LENGTH OF THE CIRCUIT INVOLVED. CALCULATIONS SHALL BE BASED ON RESISTANCE VALUES STATED IN CHAPTER 9 OF NEC.

SERVICE DISCONNECT: FURNISH AND INSTALL A SERVICE ENTRANCE RATED (PER ARTICLE 230-66 NEC), NEMA 4X, FUSED DISCONNECT SWITCH AT THE LIFT STATION SITE. PROVIDE ONE CLASS RK-5 AND ONE ADDITIONAL SPARE FUSE FOR EACH FUSE HOLDER IN SAID DISCONNECT. SERVICE DISCONNECT AND FUSES SHALL BE SIZED APPROPRIATELY FOR THE VOLTAGE AND LOAD TO WHICH THEY ARE CONNECTED. FUSES SHALL COMPLY WITH OTHER REQUIREMENTS LISTED IN THIS SPECIFICATION. A SURGE ARRESTER SHALL BE INSTALLED ON THE LOAD SIDE OF SERVICE ENTRANCE DISCONNECT. THE SERVICE DISCONNECT SHALL BE PADLOCKABLE IN THE OFF AND ON POSITION.

POWER COMPANY: THE SERVICE ENTRANCE EQUIPMENT, CONDUCTORS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LOCAL ELECTRIC UTILITY COMPANY REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NOT FURNISHED BY SAID UTILITY COMPANY.

PUMP CONTROL PANEL: THE PUMP CONTROL PANEL SHALL BE FABRICATED BY A COMPANY WITH AT LEAST FIVE (5) YEARS EXPERIENCE IN THE MANUFACTURING OF SIMILAR CONTROL PANELS AND SHALL COMPLY WITH THE FOLLOWING:
1. THE ENCLOSURE WILL BE NEMA 4X STAINLESS STEEL WITH A BLANK OUTER DOOR. THE SELECTOR SWITCHES, PILOT LIGHTS, ELAPSED TIME TOTALIZER, PUSH BUTTONS, DUPLEX GFI RECEPTACLE AND COVER THROUGH THE PANEL COMPONENTS SHALL BE MOUNTED IN A DEAD FRONT SWING OUT PANEL HOUSED WITHIN THE ENCLOSURE. MOTOR CIRCUIT PROTECTORS, CIRCUIT BREAKERS, STARTERS, RELAYS, TRANSFORMER, ALTERNATOR AND TERMINAL STRIPS WILL BE MOUNTED ON A SUB-PANEL BEHIND THE AFOREMENTIONED SWING OUT PANEL.
2. MOTOR CIRCUIT PROTECTORS SHALL BE PROVIDED FOR EACH PUMP MOTOR AND CIRCUIT BREAKER FOR THE CONTROL POWER TRANSFORMER. THEY SHALL BE OF THE PROPER AMPACITY FOR THE LOAD TO WHICH THEY ARE CONNECTED AND HAVE OPERATING MECHANISMS EXTENDING THROUGH THE DEAD FRONT SWING OUT PANEL.
3. CONTROL POWER TRANSFORMER SIZE SHALL BE ADEQUATE FOR THE SUM OF ALL LOADS CONNECTED PLUS AN ADDITIONAL 500 VA FOR THE ABOVE-MENTIONED DUPLEX RECEPTACLE. PROVIDE SEPARATE FUSING OR CIRCUIT BREAKERS FOR THE CONTROL CIRCUIT AND THE DUPLEX RECEPTACLE.
4. MOTOR STARTERS SHALL BE PROPERLY SIZED FOR THE MOTORS THEY SERVE AND SHALL BE NEMA RATED WITH INTERCHANGEABLE OVERLOAD HEATERS. IEC STARTERS AND ADJUSTABLE TRIP OVERLOAD RELAYS ARE NOT APPROVED AND SHALL NOT BE SUBSTITUTED.
5. SELECTOR SWITCHES, PUSH BUTTONS AND PILOT LIGHTS SHALL BE NEMA STYLE 30.5 MM OILTITE SERIES. IEC OR MINIATURE SERIES ARE NOT ACCEPTABLE. PILOT LIGHTS SHALL BE PUSH-TO-TEST TRANSFORMER TYPE WITH #755 OR 1868 LAMPS.
6. IN ACCORDANCE WITH THE REQUIREMENTS OF "TEN STATE STANDARDS," PROVIDE INTRINSICALLY SAFE RELAYS FOR TRANSIENT PROTECTION OF SAID RELAYS. ALL OTHER RELAYS SHALL BE NEMA RATED.
7. PROVIDE AN ALTERNATOR TO AUTOMATICALLY ALTERNATE PUMP OPERATION. IN ADDITION TO THE AUTOMATIC ALTERNATOR, PROVIDE A THREE-POSITION SELECTOR SWITCH TO OVERRIDE SAID ALTERNATOR AND MANUALLY SELECT THE LEAD AND LAG PUMPS.
8. CONTROL AND INTERCONNECTING WIRING SHALL BE COPPER TYPE MTW, NEATLY BUNDLED AND IN PLASTIC WIREWAY. PROVIDE INSULATED CRIMP LUGS AS REQUIRED. TERMINALS WITH MORE THAN ONE WIRE EACH MUST BE APPROVED FOR THAT PURPOSE.
9. INTEGRAL MOTOR THERMAL PROTECTION AND PUMP SEAL FAILURE DETECTORS MAY BE INCLUDED AS PART OF THE PUMP PACKAGE. WHEN THESE ARE PROVIDED, THEY SHALL BE WIRED IN ACCORDANCE WITH THE PUMP MANUFACTURER'S RECOMMENDATION.
10. ELAPSED TIME TOTALIZERS SHALL BE PROVIDED FOR EACH PUMP MOTOR. THEY SHALL BE NON-RESETABLE HOUR METERS AND WIRED PARALLEL TO THE HOLDING COIL OF THE MOTOR STARTER.
11. PROVIDE AUDIBLE AND VISUAL ALARMS TO INDICATE HIGH LEVEL IN THE WET WELL. INCLUDE THE NECESSARY RELAYS AND PUSH BUTTONS TO SILENCE THE AUDIBLE ALARM WHILE MAINTAINING THE VISUAL ALARM UNTIL THE ALARM CONDITION HAS BEEN CORRECTED.

FLOAT SWITCHES: FURNISH AND INSTALL FLOAT SWITCHES IN THE WET WELL FOR CONTROL OF THE PUMPS AND ALARM AT THE LEVELS INDICATED ON THE CONTRACT DRAWINGS. FLOAT SWITCHES SHALL BE MERCURY TUBE TYPE ENCAPSULATED IN POLYURETHANE RESIN WITH AN OUTER SEAL OF VINYL AND EQUAL TO BUSKIRK AND OWEN #1900 OR #1901.

TERMINAL BOX: PROVIDE A STAINLESS STEEL NEMA 4 TERMINAL BOX, COMPLETE WITH PROPERLY SIZED TERMINALS, ABOVE AND OUTSIDE OF THE WETWELL. EXTEND FLOAT SWITCH AND PUMP CORDS, IN SEPARATE CONDUITS TO SAID TERMINAL BOX. EXTEND PUMP MOTOR CIRCUITS AND FLOAT SWITCH CIRCUITS FROM THE TERMINAL BOX TO THE PUMP CONTROL PANEL VIA SEPARATE CONDUITS. PROVIDE SEAL FITTINGS AND SEAL ALL CONDUITS TO PREVENT PASSAGE OF GASSES FROM THE WET WELL.

FUSES: PROVIDE AND INSTALL CLASS RK-5 FUSES FOR EACH FUSED DISCONNECT. FUSES SHALL BE SIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC. PROVIDE 3 SPARE FUSES OF EACH SIZE INSTALLED AND DELIVER SAME TO THE OWNER'S REPRESENTATIVE.

FASTENERS AND HARDWARE: ALL FASTENERS AND HARDWARE FOR THIS INSTALLATION SHALL BE GALVANIZED OR STAINLESS STEEL. USE P-1000 GALVANIZED UNISTRUT OR EQUAL MOUNTING THE DISCONNECT AT THE WELL SITE. THE USE OF PERFORATED AND/OR PAINTED STRUCTURAL MATERIALS IS PROHIBITED.

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J. SCOTT SANDS
55001
REGISTERED PROFESSIONAL ENGINEER

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

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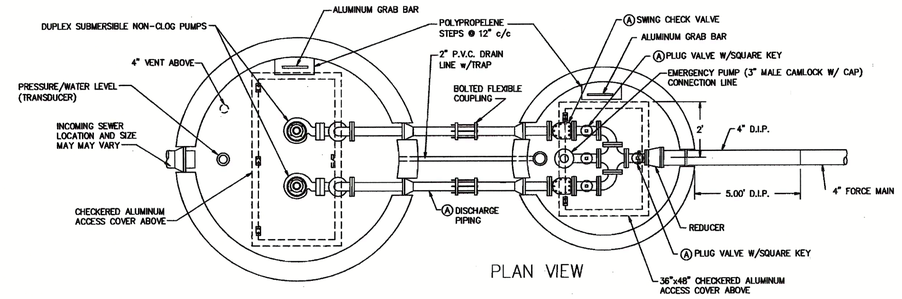
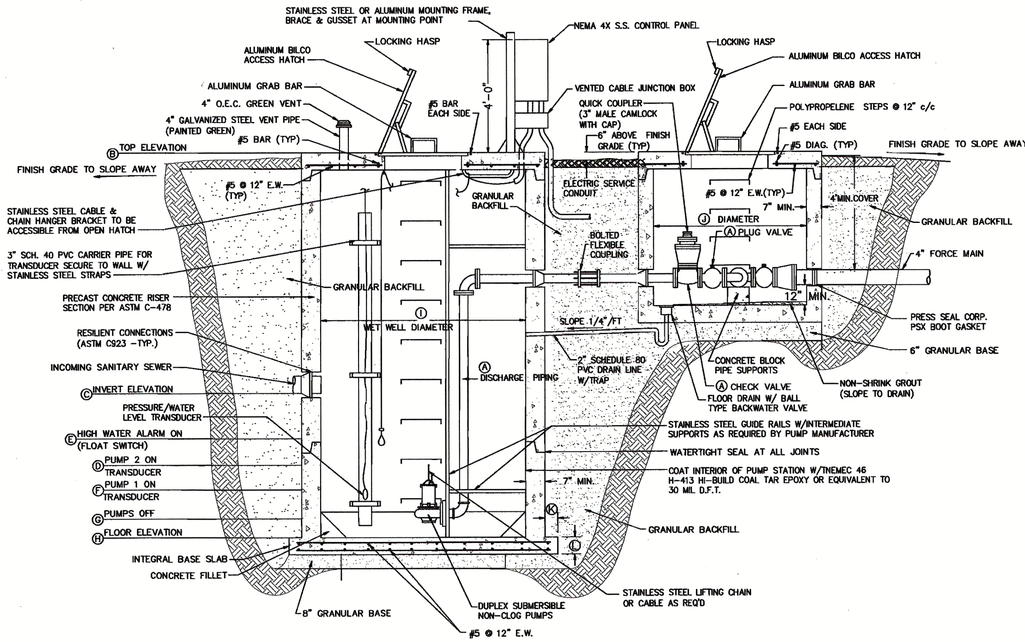
LIFT STATION DETAIL



PLAN VIEW



SECTION VIEW

LIFT STATION DETAIL (1)
NOT TO SCALE

GENERAL NOTES

1) BARREL SECTIONS PER ASTM C-478
2) O-RING JOINTS PER ASTM C-443
3) STEPS: REINFORCED POLYPROPELENE PLASTIC AS MANUFACTURED BY M.A. INDUSTRIES INC. (MODEL NO. PS1-PF)
4) ALL ELECTRICAL WORK TO COMPLY WITH NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES

OPERATION DATA

TYPE: 4" SUBMERSIBLE NON-CLOG SEWAGE PUMP
MANUFACTURER: HYDROMATIC, BARNES OR EQUIVALENT
MOTOR: 7-10 HP (MIN.), 208 VOLTS, THREE PH.
DUTY: 320 GPM AT 60 FT. TDH

LIFT STATION DATA

DISCHARGE PIPING SIZE (A)	TOP SLAB ELEVATION (B)	INCOMING INVERT(S) NORTH	INCOMING INVERT(S) SOUTH	No. 2 PUMP ON (D)	HIGH WATER ALARM (E)	No. 1 PUMP ON (F)
4"	652.50	650.00	645.00	645.00	645.00	644.50

PUMPS OFF (G)	FLOOR BOTTOM ELEVATION (H)	LIFT STATION DIAMETER (I)	VALVE VAULT DIAMETER (J)	BASE SLAB EXTENSION (K)	BASE SLAB THICKNESS (L)
640.00	639.00	6'	5'	12"	12"

LIFT STATION SPECIFICATIONS

THE WET WELL LIFT STATION AND VALVE SHALL BE CONSTRUCTED OF STANDARD PRECAST CONCRETE O-RING JOINT, MANHOLE SECTIONS AND BOTTOMS USING AN 8" PRECAST REINFORCED CONCRETE TOP SLAB AS PROVIDED BY MACK INDUSTRIES OR UNITED PRECAST OR EQUIVALVENT AND/OR AS MODIFIED HEREWITH. A PADLOCK & 4 KEYS SHALL BE PROVIDED BY THE CONTRACTOR. START-UP SERVICES AND A 1-YEAR WARRANTY FOR THE ENTIRE UNIT SHALL BE PROVIDED, AND TWO-YEAR WARRANTY ON THE PUMPS.

THE PVC PIPE IN THE LIFT STATION SHALL BE SCHEDULE 80 PVC PIPE AND FITTINGS. MATERIAL AND EQUIPMENT MEETING THE REQUIREMENTS LISTED HEREIN SHALL BE PROVIDED AND INSTALLED ALONG WITH ALL NECESSARY ACCESSORIES TO PROVIDE A COMPLETE SERVICEABLE FACILITY. THE CONTRACTOR SHALL SUBMIT COPIES OF ALL SHOP AND EQUIPMENT DRAWINGS FOR APPROVAL PRIOR TO ORDERING OR INSTALLING ANY EQUIPMENT OR MATERIALS. THE TOP SLAB SHALL NOT BE POURED UNTIL THE OPENINGS AND ANCHOR BOLTS SPACING ARE DETERMINED FROM THE APPROVED SHOP DRAWINGS OF THE ELECTRICAL ENCLOSURE AND EQUIPMENT. THE ELECTRICAL CONDUIT, 1" PIPE, ANCHOR BOLT SHALL BE GALVANIZED. THE OPENING SHALL BE CAULKED AFTER INSTALLATION OF THE PIPE AND FITTINGS.

TWO SUBMERSIBLE NON-CLOG SEWAGE PUMPS SHALL BE PROVIDED. EACH UNIT SHALL BE CAPABLE OF PUMPING 320 GALLONS PER MINUTE AT 60 FEET TOTAL DYNAMIC HEAD, WHILE OPERATING ON 208 VOLTS, 60 CYCLE, THREE-PHASE POWER. THE PUMP SPEED SHALL NOT EXCEED 3450 RPM. THE PUMPS AND DISCHARGE PIPING SHALL BE DESIGNED TO PASS SOLIDS UP TO 3 INCHES IN DIAMETER. PUMP AND MOTOR CASE SHALL BE MADE FROM HEAVY CLOSE-RAIN CAST IRON WITH STAINLESS STEEL SHAFT AND FITTINGS. THE IMPELLER SHALL BE OF THE SOLIDS-HANDLING TYPE DESIGNED TO PUMP RAW SEWAGE AND WASTEWATER. EACH MOTOR SHALL HAVE TWO MECHANICAL SEALS INSTALLED IN TANDEM WITH AN OIL CHAMBER BETWEEN PUMP AND MOTOR. MOTOR SHALL HAVE A BUILT-IN THERMAL OVER-TEMPERATURE PROTECTION WITH AUTOMATIC RESET. THE MOTOR SHALL HAVE TWO MOISTURE SENSING PROBES. EACH PUMP SHALL HAVE SUFFICIENT MULTI-CONDUCTOR CABLE, WITH GROUND WIRE, POWER LEADS, THERMAL DETECTOR LEADS, AND MOISTURE SENSOR LEADS. PUMPS SHALL BE HYDROMATIC, BARNES OR APPROVED EQUIVALENT, AND SUPPLIED WITH MANUFACTURER'S STANDARD TWO (2) YEAR MINIMUM WARRANTY.

SCOPE: WORK COVERED BY THIS SPECIFICATION SHALL INCLUDE ALL LABOR AND MATERIAL REQUIRED TO EXTEND ELECTRIC AND TELEPHONE SERVICES TO THE PROPOSED LIFT STATION. IT IS THE INTENT OF THIS SPECIFICATION THAT THE CONTRACTOR ALSO PROVIDE INCIDENTAL ITEMS THAT MAY NOT BE DELINEATED HEREIN BUT ARE REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

EXISTING CONDITIONS: THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK AND HE MUST CONSIDER SAME AS PART OF HIS BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CONTRACTOR'S FAILURE TO BECOME AWARE OF EXISTING CONDITIONS.

PERMIT AND INSPECTION: THE CONTRACTOR IS REQUIRED TO OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED IN THE PROSECUTION OF THIS CONTRACT. THE CONTRACTOR IS ALSO REQUIRED TO HOLD A VALID QUALIFICATION CERTIFICATE AS ISSUED BY THE STATE OF OHIO, DEPARTMENT OF INDUSTRIAL RELATIONS, OHIO CONSTRUCTION INDUSTRY EXAMINING BOARD. IN THE EVENT THAT THERE IS NO LOCAL INSPECTING AUTHORITY, THE CONTRACTOR SHALL PROCURE A CERTIFICATE OF PLAN APPROVAL AND NECESSARY INSPECTION FROM THE STATE OF OHIO, DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF FACTORY AND BUILDING INSPECTION AS REQUIRED BY LAW, UNLESS OTHERWISE NOTED HEREIN OR ELSEWHERE IN THE PROJECT DOCUMENTS.

CODES: ALL ELECTRICAL WORK FOR THIS PROJECT SHALL BE INSTALLED WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRIC CODE (NEC) AND ALL STATE AND LOCAL CODES. SAID CODES SHALL BE CONSIDERED THE MINIMUM STANDARD FOR MATERIALS AND METHODS NOT OTHERWISE COVERED IN THIS SPECIFICATION.

GROUNDING: GROUND ALL ELECTRICAL EQUIPMENT FURNISHED OR CONNECTED UNDER THIS CONTRACT IN ACCORDANCE WITH ARTICLE 250 OF THE NEC. SIZE ALL GROUNDING CONDUCTORS AS REQUIRED BY THE APPROPRIATE TABLES IN SAID ARTICLE.

CONDUIT: ALL WIRING SHALL BE INSTALLED IN CONDUIT. RIGID GALVANIZED STEEL CONDUIT SHALL BE USED FOR ABOVE GRADE WIRING AND SCHEDULE 40 PVC MAY BE USED FOR WIRING INSTALLED BELOW GRADE.

WIRE: ALL WIRE SHALL BE STRANDED COPPER WITH THHN INSULATION. CONDUCTORS SIZES SHALL BE SELECTED SO THAT THE MAXIMUM VOLTAGE DROP DOES NOT EXCEED 3% OF THE NOMINAL SERVICE VOLTAGE FOR THE ENTIRE LENGTH OF THE CIRCUIT INVOLVED. CALCULATIONS SHALL BE BASED ON RESISTANCE VALUES STATED IN CHAPTER 9 OF NEC.

SERVICE DISCONNECT: FURNISH AND INSTALL A SERVICE ENTRANCE RATED (PER ARTICLE 230-66 NEC), NEMA 4X, FUSED DISCONNECT SWITCH AT THE LIFT STATION SITE. PROVIDE ONE CLASS RK-5 AND ONE ADDITIONAL SPARE FUSE FOR EACH FUSE HOLDER IN SAID DISCONNECT. SERVICE DISCONNECT AND FUSES SHALL BE SIZED APPROPRIATELY FOR THE VOLTAGE AND LOAD TO WHICH THEY ARE CONNECTED. FUSES SHALL COMPLY WITH OTHER REQUIREMENTS LISTED IN THIS SPECIFICATION. A SURGE ARRESTER SHALL BE INSTALLED ON THE LOAD SIDE OF SERVICE ENTRANCE DISCONNECT. THE SERVICE DISCONNECT SHALL BE PADLOCKABLE IN THE OFF AND ON POSITION.

POWER COMPANY: THE SERVICE ENTRANCE EQUIPMENT, CONDUCTORS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LOCAL ELECTRIC UTILITY COMPANY REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NOT FURNISHED BY SAID UTILITY COMPANY.

PUMP CONTROL PANEL: THE PUMP CONTROL PANEL SHALL BE FABRICATED BY A COMPANY WITH AT LEAST FIVE (5) YEARS EXPERIENCE IN THE MANUFACTURING OF SIMILAR CONTROL PANELS AND SHALL COMPLY WITH THE FOLLOWING:

1. THE ENCLOSURE WILL BE NEMA 4X STAINLESS STEEL WITH A BLANK OUTER DOOR. THE SELECTOR SWITCHES, PILOT LIGHTS, ELAPSED TIME TOTALIZER, PUSH BUTTONS, DUPLEX GFI RECEPTACLE AND COVER THROUGH THE PANEL COMPONENTS SHALL BE MOUNTED IN A DEAD FRONT SWING OUT PANEL HOUSED WITHIN THE ENCLOSURE. MOTOR CIRCUIT PROTECTORS, CIRCUIT BREAKERS, STARTERS, RELAYS, TRANSFORMER, ALTERNATOR AND TERMINAL STRIPS WILL BE MOUNTED ON A SUB-PANEL BEHIND THE AFOREMENTIONED SWING OUT PANEL.
2. MOTOR CIRCUIT PROTECTORS SHALL BE PROVIDED FOR EACH PUMP MOTOR AND CIRCUIT BREAKER FOR THE CONTROL POWER TRANSFORMER. THEY SHALL BE OF THE PROPER AMPACITY FOR THE LOAD TO WHICH THEY ARE CONNECTED AND HAVE OPERATING MECHANISMS EXTENDING THROUGH THE DEAD FRONT SWING OUT PANEL.
3. CONTROL POWER TRANSFORMER SIZE SHALL BE ADEQUATE FOR THE SUM OF ALL LOADS CONNECTED PLUS AN ADDITIONAL 500 VA FOR THE ABOVE-MENTIONED DUPLEX RECEPTACLE. PROVIDE SEPARATE FUSING OR CIRCUIT BREAKERS FOR THE CONTROL CIRCUIT AND THE DUPLEX RECEPTACLE.
4. MOTOR STARTERS SHALL BE PROPERLY SIZED FOR THE MOTORS THEY SERVE AND SHALL BE NEMA RATED WITH INTERCHANGEABLE OVERLOAD HEATERS. IEC STARTERS AND ADJUSTABLE TRIP OVERLOAD RELAYS ARE NOT APPROVED AND SHALL NOT BE SUBSTITUTED.
5. SELECTOR SWITCHES, PUSH BUTTONS AND PILOT LIGHTS SHALL BE NEMA STYLE 30.5 MM OILTITE SERIES. IEC OR MINIATURE SERIES ARE NOT ACCEPTABLE. PILOT LIGHTS SHALL BE PUSH-TO-TEST TRANSFORMER TYPE WITH #755 OR 1866 LAMPS.
6. IN ACCORDANCE WITH THE REQUIREMENTS OF "TEN STATE STANDARDS," PROVIDE INTRINSICALLY SAFE RELAYS FOR TRANSIENT PROTECTION OF SAID RELAYS. ALL OTHER RELAYS SHALL BE NEMA RATED.
7. PROVIDE AN ALTERNATOR TO AUTOMATICALLY ALTERNATE PUMP OPERATION. IN ADDITION TO THE AUTOMATIC ALTERNATOR, PROVIDE A THREE-POSITION SELECTOR SWITCH TO OVERRIDE SAID ALTERNATOR AND MANUALLY SELECT THE LEAD AND LAG PUMPS.
8. CONTROL AND INTERCONNECTING WIRING SHALL BE COPPER TYPE MTW, NEATLY BUNDLED AND IN PLASTIC WIREWAY. PROVIDE INSULATED CRIMP LUGS AS REQUIRED. TERMINALS WITH MORE THAN ONE WIRE EACH MUST BE APPROVED FOR THAT PURPOSE.
9. INTEGRAL MOTOR THERMAL PROTECTION AND PUMP SEAL FAILURE DETECTORS MAY BE INCLUDED AS PART OF THE PUMP PACKAGE. WHEN THESE ARE PROVIDED, THEY SHALL BE WIRED IN ACCORDANCE WITH THE PUMP MANUFACTURER'S RECOMMENDATION.
10. ELAPSED TIME TOTALIZERS SHALL BE PROVIDED FOR EACH PUMP MOTOR. THEY SHALL BE NON-RESETABLE HOUR METERS AND WIRED PARALLEL TO THE HOLDING COIL OF THE MOTOR STARTER.
11. PROVIDE AUDIBLE AND VISUAL ALARMS TO INDICATE HIGH LEVEL IN THE WET WELL. INCLUDE THE NECESSARY RELAYS AND PUSH BUTTONS TO SILENCE THE AUDIBLE ALARM WHILE MAINTAINING THE VISUAL ALARM UNTIL THE ALARM CONDITION HAS BEEN CORRECTED.

FLOAT SWITCHES: FURNISH AND INSTALL FLOAT SWITCHES IN THE WET WELL FOR CONTROL OF THE PUMPS AND ALARM AT THE LEVELS INDICATED ON THE CONTRACT DRAWINGS. FLOAT SWITCHES SHALL BE MERCURY TUBE TYPE ENCAPSULATED IN POLYURETHANE RESIN WITH AN OUTER SEAL OF VINYL AND EQUAL TO BUSKIRK AND OWEN #1900 OR #1901.

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FUSES: PROVIDE AND INSTALL CLASS RK-5 FUSES FOR EACH FUSED DISCONNECT. FUSES SHALL BE SIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC. PROVIDE 3 SPARE FUSES OF EACH SIZE INSTALLED AND DELIVER SAME TO THE OWNER'S REPRESENTATIVE.

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OHIO DEPARTMENT OF TRANSPORTATION
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CONSTRUCTION DOCUMENTS
MARCH 28, 2014

REVISED:
4-17-14

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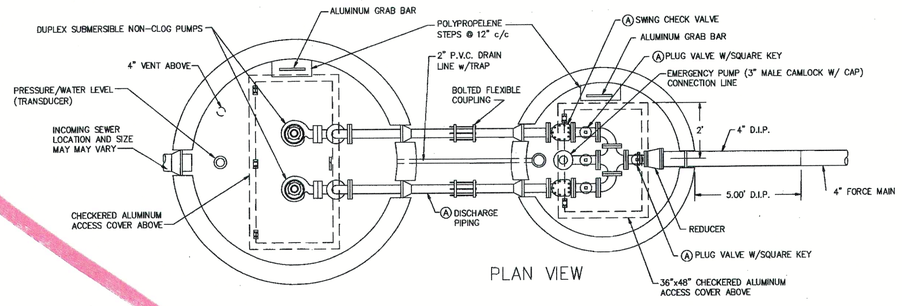
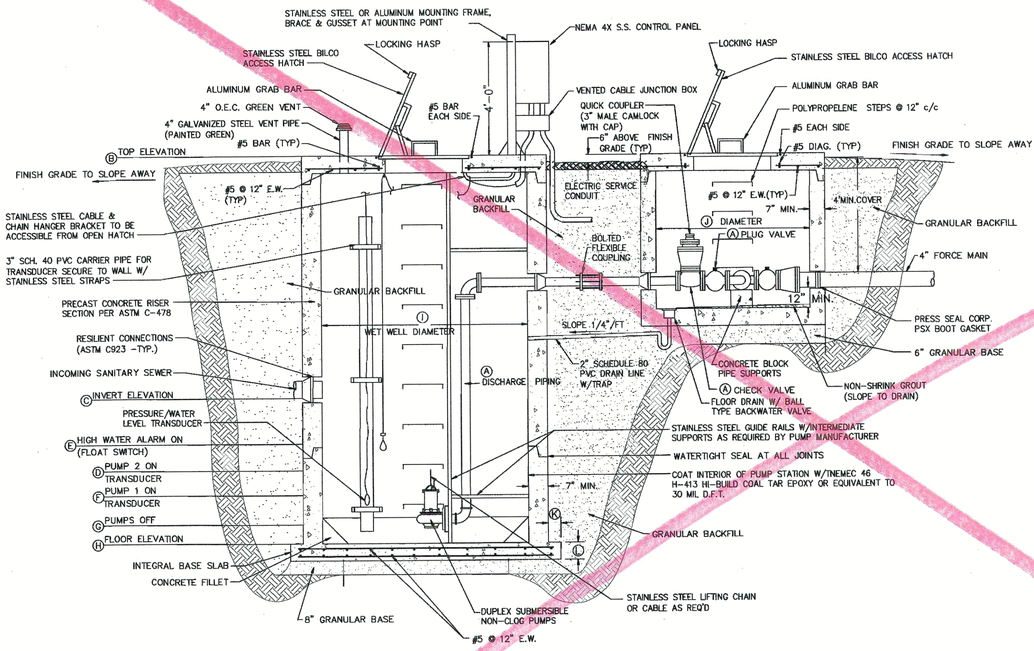
LIFT STATION DETAIL



PLAN VIEW



SECTION VIEW

LIFT STATION DETAIL (1)

NOT TO SCALE

GENERAL NOTES

1) BARREL SECTIONS PER ASTM C-478
2) O-RING JOINTS PER ASTM C-443
3) STEPS: REINFORCED POLYPROPELENE PLASTIC AS MANUFACTURED BY M.A. INDUSTRIES INC. (MODEL NO. PS1-PF)
4) ALL ELECTRICAL WORK TO COMPLY WITH NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES

OPERATION DATA

TYPE: 4" SUBMERSIBLE NON-CLOG SEWAGE PUMP
MANUFACTURER: HYDROMATIC, BARNES OR EQUIVALENT
MOTOR: 5 HP (MIN.), 208 VOLTS, THREE PH.
DUTY: 80 GPM AT 45 FT. TDH

LIFT STATION DATA

DISCHARGE PIPING SIZE Ⓐ	TOP SLAB ELEVATION Ⓑ	INCOMING INVERT(S) Ⓒ	No. 2 PUMP ON Ⓓ	HIGH WATER ALARM Ⓔ	No. 1 PUMP ON Ⓕ
4"	651.50	645.50	645.00	645.00	644.50

PUMPS OFF Ⓖ	FLOOR BOTTOM ELEVATION Ⓗ	LIFT STATION DIAMETER Ⓘ	VALVE VAULT DIAMETER Ⓙ	BASE SLAB EXTENSION Ⓚ	BASE SLAB THICKNESS Ⓛ
642.50	641.50	6'	5'	12"	12"

LIFT STATION SPECIFICATIONS

THE WET WELL LIFT STATION AND VALVE SHALL BE CONSTRUCTED OF STANDARD PRECAST CONCRETE O-RING JOINT, MANHOLE SECTIONS AND BOTTOMS USING AN 8" PRECAST REINFORCED CONCRETE TOP SLAB AS PROVIDED BY MACK INDUSTRIES OR UNITED PRECAST OR EQUIVALVENT AND/OR AS MODIFIED HEREWITH. A PADLOCK & 4 KEYS SHALL BE PROVIDED BY THE CONTRACTOR. START-UP SERVICES AND A 1-YEAR WARRANTY FOR THE ENTIRE UNIT SHALL BE PROVIDED, AND TWO-YEAR WARRANTY ON THE PUMPS.

THE PVC PIPE IN THE LIFT STATION SHALL BE SCHEDULE 80 PVC PIPE AND FITTINGS. MATERIAL AND EQUIPMENT MEETING THE REQUIREMENTS LISTED HEREIN SHALL BE PROVIDED AND INSTALLED ALONG WITH ALL NECESSARY ACCESSORIES TO PROVIDE A COMPLETE SERVICEABLE FACILITY. THE CONTRACTOR SHALL SUBMIT COPIES OF ALL SHOP AND EQUIPMENT DRAWINGS FOR APPROVAL PRIOR TO ORDERING OR INSTALLING ANY EQUIPMENT OR MATERIALS. THE TOP SLAB SHALL NOT BE POURED UNTIL THE OPENINGS AND ANCHOR BOLTS SPACING ARE DETERMINED FROM THE APPROVED SHOP DRAWINGS OF THE ELECTRICAL ENCLOSURE AND EQUIPMENT. THE ELECTRICAL CONDUIT, 1" PIPE, ANCHOR BOLT SHALL BE GALVANIZED. THE OPENING SHALL BE CAULKED AFTER INSTALLATION OF THE PIPE AND FITTINGS.

TWO SUBMERSIBLE NON-CLOG SEWAGE PUMPS SHALL BE PROVIDED. EACH UNIT SHALL BE CAPABLE OF PUMPING 80 GALLONS PER MINUTE AT 45 FEET TOTAL DYNAMIC HEAD, WHILE OPERATING ON 208 VOLTS, 60 CYCLE, THREE-PHASE POWER. THE PUMP SPEED SHALL NOT EXCEED 3450 RPM. THE PUMPS AND DISCHARGE PIPING SHALL BE DESIGNED TO PASS SOLIDS UP TO 3 INCHES IN DIAMETER. PUMP AND MOTOR CASE SHALL BE MADE FROM HEAVY CLOSE-RAIN CAST IRON WITH STAINLESS STEEL SHAFT AND FITTINGS. THE IMPELLER SHALL BE OF THE SOLIDS-HANDLING TYPE DESIGNED TO PUMP RAW SEWAGE AND WASTEWATER. EACH MOTOR SHALL HAVE TWO MECHANICAL SEALS INSTALLED IN TANDEM WITH AN OIL CHAMBER BETWEEN PUMP AND MOTOR. MOTOR SHALL HAVE A BUILT-IN THERMAL OVER-TEMPERATURE PROTECTION WITH AUTOMATIC RESET. THE MOTOR SHALL HAVE TWO MOISTURE SENSING PROBES. EACH PUMP SHALL HAVE SUFFICIENT MULTI-CONDUCTOR CABLE, WITH GROUND WIRE, POWER LEADS, THERMAL DETECTOR LEADS, AND MOISTURE SENSOR LEADS. PUMPS SHALL BE HYDROMATIC, BARNES OR APPROVED EQUIVALENT, AND SUPPLIED WITH MANUFACTURER'S STANDARD TWO (2) YEAR MINIMUM WARRANTY.

SCOPE: WORK COVERED BY THIS SPECIFICATION SHALL INCLUDE ALL LABOR AND MATERIAL REQUIRED TO EXTEND ELECTRIC AND TELEPHONE SERVICES TO THE PROPOSED LIFT STATION. IT IS THE INTENT OF THIS SPECIFICATION THAT THE CONTRACTOR ALSO PROVIDE INCIDENTAL ITEMS THAT MAY NOT BE DELINEATED HEREIN BUT ARE REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

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CODES: ALL ELECTRICAL WORK FOR THIS PROJECT SHALL BE INSTALLED WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRIC CODE (NEC) AND ALL STATE AND LOCAL CODES. SAID CODES SHALL BE CONSIDERED THE MINIMUM STANDARD FOR MATERIALS AND METHODS NOT OTHERWISE COVERED IN THIS SPECIFICATION.

GROUNDING: GROUND ALL ELECTRICAL EQUIPMENT FURNISHED OR CONNECTED UNDER THIS CONTRACT IN ACCORDANCE WITH ARTICLE 250 OF THE NEC. SIZE ALL GROUNDING CONDUCTORS AS REQUIRED BY THE APPROPRIATE TABLES IN SAID ARTICLE.

CONDUIT: ALL WIRING SHALL BE INSTALLED IN CONDUIT. RIGID GALVANIZED STEEL CONDUIT SHALL BE USED FOR ABOVE GRADE WIRING AND SCHEDULE 40 PVC MAY BE USED FOR WIRING INSTALLED BELOW GRADE.

WIRE: ALL WIRE SHALL BE STRANDED COPPER WITH THHN INSULATION. CONDUCTORS SIZES SHALL BE SELECTED SO THAT THE MAXIMUM VOLTAGE DROP DOES NOT EXCEED 3% OF THE NOMINAL SERVICE VOLTAGE FOR THE ENTIRE LENGTH OF THE CIRCUIT INVOLVED. CALCULATIONS SHALL BE BASED ON RESISTANCE VALUES STATED IN CHAPTER 9 OF NEC.

SERVICE DISCONNECT: FURNISH AND INSTALL A SERVICE ENTRANCE RATED (PER ARTICLE 230-66 NEC), NEMA 4X, FUSED DISCONNECT SWITCH AT THE LIFT STATION SITE. PROVIDE ONE CLASS RK-5 AND ONE ADDITIONAL SPARE FUSE FOR EACH FUSE HOLDER IN SAID DISCONNECT. SERVICE DISCONNECT AND FUSES SHALL BE SIZED APPROPRIATELY FOR THE VOLTAGE AND LOAD TO WHICH THEY ARE CONNECTED. FUSES SHALL COMPLY WITH OTHER REQUIREMENTS LISTED IN THIS SPECIFICATION. A SURGE ARRESTER SHALL BE INSTALLED ON THE LOAD SIDE OF SERVICE ENTRANCE DISCONNECT. THE SERVICE DISCONNECT SHALL BE PADLOCKABLE IN THE OFF AND ON POSITION.

POWER COMPANY: THE SERVICE ENTRANCE EQUIPMENT, CONDUCTORS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LOCAL ELECTRIC UTILITY COMPANY REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NOT FURNISHED BY SAID UTILITY COMPANY.

PUMP CONTROL PANEL: THE PUMP CONTROL PANEL SHALL BE FABRICATED BY A COMPANY WITH AT LEAST FIVE (5) YEARS EXPERIENCE IN THE MANUFACTURING OF SIMILAR CONTROL PANELS AND SHALL COMPLY WITH THE FOLLOWING:

1. THE ENCLOSURE WILL BE NEMA 4X STAINLESS STEEL WITH A BLANK OUTER DOOR. THE SELECTOR SWITCHES, PILOT LIGHTS, ELAPSED TIME TOTALIZER, PUSH BUTTONS, DUPLEX GFI RECEPTACLE AND COVER THROUGH THE PANEL COMPONENTS SHALL BE MOUNTED IN A DEAD FRONT SWING OUT PANEL HOUSED WITHIN THE ENCLOSURE. MOTOR CIRCUIT PROTECTORS, CIRCUIT BREAKERS, STARTERS, RELAYS, TRANSFORMER, ALTERNATOR AND TERMINAL STRIPS WILL BE MOUNTED ON A SUB-PANEL BEHIND THE AFOREMENTIONED SWING OUT PANEL.
2. MOTOR CIRCUIT PROTECTORS SHALL BE PROVIDED FOR EACH PUMP MOTOR AND CIRCUIT BREAKER FOR THE CONTROL POWER TRANSFORMER. THEY SHALL BE OF THE PROPER AMPACITY FOR THE LOAD TO WHICH THEY ARE CONNECTED AND HAVE OPERATING MECHANISMS EXTENDING THROUGH THE DEAD FRONT SWING OUT PANEL.
3. CONTROL POWER TRANSFORMER SIZE SHALL BE ADEQUATE FOR THE SUM OF ALL LOADS CONNECTED PLUS AN ADDITIONAL 500 VA FOR THE ABOVE-MENTIONED DUPLEX RECEPTACLE. PROVIDE SEPARATE FUSING OR CIRCUIT BREAKERS FOR THE CONTROL CIRCUIT AND THE DUPLEX RECEPTACLE.
4. MOTOR STARTERS SHALL BE PROPERLY SIZED FOR THE MOTORS THEY SERVE AND SHALL BE NEMA RATED WITH INTERCHANGEABLE OVERLOAD HEATERS. IEC STARTERS AND ADJUSTABLE TRIP OVERLOAD RELAYS ARE NOT APPROVED AND SHALL NOT BE SUBSTITUTED.
5. SELECTOR SWITCHES, PUSH BUTTONS AND PILOT LIGHTS SHALL BE NEMA STYLE 30.5 MM OILTITE SERIES. IEC OR MINIATURE SERIES ARE NOT ACCEPTABLE. PILOT LIGHTS SHALL BE PUSH-TO-TEST TRANSFORMER TYPE WITH #755 OR 1866 LAMPS.
6. IN ACCORDANCE WITH THE REQUIREMENTS OF "TEN STATE STANDARDS," PROVIDE INTRINSICALLY SAFE RELAYS FOR TRANSIENT PROTECTION OF SAID RELAYS. ALL OTHER RELAYS SHALL BE NEMA RATED.
7. PROVIDE AN ALTERNATOR TO AUTOMATICALLY ALTERNATE PUMP OPERATION. IN ADDITION TO THE AUTOMATIC ALTERNATOR, PROVIDE A THREE-POSITION SELECTOR SWITCH TO OVERRIDE SAID ALTERNATOR AND MANUALLY SELECT THE LEAD AND LAG PUMPS.
8. CONTROL AND INTERCONNECTING WIRING SHALL BE COPPER TYPE MTW, NEATLY BUNDLED AND IN PLASTIC WIREWAY. PROVIDE INSULATED CRIMP LUGS AS REQUIRED. TERMINALS WITH MORE THAN ONE WIRE EACH MUST BE APPROVED FOR THAT PURPOSE.
9. INTEGRAL MOTOR THERMAL PROTECTION AND PUMP SEAL FAILURE DETECTORS MAY BE INCLUDED AS PART OF THE PUMP PACKAGE. WHEN THESE ARE PROVIDED, THEY SHALL BE WIRED IN ACCORDANCE WITH THE PUMP MANUFACTURER'S RECOMMENDATION.
10. ELAPSED TIME TOTALIZERS SHALL BE PROVIDED FOR EACH PUMP MOTOR. THEY SHALL BE NON-RESETABLE HOUR METERS AND WIRED PARALLEL TO THE HOLDING COIL OF THE MOTOR STARTER.
11. PROVIDE AUDIBLE AND VISUAL ALARMS TO INDICATE HIGH LEVEL IN THE WET WELL. INCLUDE THE NECESSARY RELAYS AND PUSH BUTTONS TO SILENCE THE AUDIBLE ALARM WHILE MAINTAINING THE VISUAL ALARM UNTIL THE ALARM CONDITION HAS BEEN CORRECTED.

FLOAT SWITCHES: FURNISH AND INSTALL FLOAT SWITCHES IN THE WET WELL FOR CONTROL OF THE PUMPS AND ALARM AT THE LEVELS INDICATED ON THE CONTRACT DRAWINGS. FLOAT SWITCHES SHALL BE MERCURY TUBE TYPE ENCAPSULATED IN POLYURETHANE RESIN WITH AN OUTER SEAL OF VINYL AND EQUAL TO BUSKIRK AND OWEN #1900 OR #1901.

TERMINAL BOX: PROVIDE A STAINLESS STEEL NEMA 4 TERMINAL BOX, COMPLETE WITH PROPERLY SIZED TERMINALS, ABOVE AND OUTSIDE OF THE WETWELL. EXTEND FLOAT SWITCH AND PUMP CORDS, IN SEPARATE CONDUITS TO SAID TERMINAL BOX. EXTEND PUMP MOTOR CIRCUITS AND FLOAT SWITCH CIRCUITS FROM THE TERMINAL BOX TO THE PUMP CONTROL PANEL VIA SEPARATE CONDUITS. PROVIDE SEAL FITTINGS AND SEAL ALL CONDUITS TO PREVENT PASSAGE OF GASSES FROM THE WET WELL.

FUSES: PROVIDE AND INSTALL CLASS RK-5 FUSES FOR EACH FUSED DISCONNECT. FUSES SHALL BE SIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC. PROVIDE 3 SPARE FUSES OF EACH SIZE INSTALLED AND DELIVER SAME TO THE OWNER'S REPRESENTATIVE.

FASTENERS AND HARDWARE: ALL FASTENERS AND HARDWARE FOR THIS INSTALLATION SHALL BE GALVANIZED OR STAINLESS STEEL. USE P-1000 GALVANIZED UNISTRUT OR EQUAL MOUNTING THE DISCONNECT AT THE WELL SITE. THE USE OF PERFORATED AND/OR PAINTED STRUCTURAL MATERIALS IS PROHIBITED.

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ATHENS FULL SERVICE MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

REVISED:

BID SET

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C302

LIFT STATION DETAIL

THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) FOR THIS PROJECT IS COMPOSED OF THESE DRAWINGS (SHEETS SP-C-300 & SP-C-600), THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT, INCLUDING ALL REQUIREMENTS THEREIN, THE PROJECT DRAWINGS, & ALL SUPPLEMENTAL INFORMATION INCLUDED/ADDED BY THE CONTRACTOR(S) AS APPROVED/ACCEPTED BY THE ENGINEER. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.

ADDITIONAL EROSION & SEDIMENT CONTROL PRACTICES NOT ALREADY SPECIFIED ON THIS PLAN MAY BE NECESSARY DUE TO UNFORESEEN ENVIRONMENTAL CONDITIONS &/OR CHANGES IN DRAINAGE PATTERNS CAUSED BY EARTH-DISTURBING ACTIVITY.

SITE DESCRIPTION:
A. PROJECT IS A OHIO DEPT. OF TRANSPORTATION MAINTENANCE FACILITY INCLUDING CONSTRUCTION OF 4 NEW BUILDINGS & ASSOCIATED DRIVES, PARKING & INFRASTRUCTURE.
B. TOTAL AREA OF SITE – 11.02 ACRES
TOTAL AREA DISTURBED – 9.7 ACRES
C. PRE-CONSTRUCTION RUNOFF CURVE NUMBER – 89
POST-CONSTRUCTION RUNOFF CURVE NUMBER – 95
D. IMPERVIOUS AREA CREATED BY CONSTRUCTION ACTIVITY – 4.22 ACRES
PERCENT OF IMPERVIOUSNESS – 43.5%
E. EX. SOILS ARE Cg – CHARGRIN SILT LOAM, 0–3% SLOPES, LkC – LICKING SILT LOAM 0–15%. SOURCE: USDA WEB SOIL SURVEY.
STORM WATER DISCHARGE QUALITY INFORMATION NOT AVAILABLE.
F. PRIOR LAND USE AT THE SITE – OHIO DEPT. OF TRANSPORTATION MAINTENANCE FACILITY.
G. SEE TIMING OF SEDIMENT-TRAPPING PRACTICES, INSPECTION SCHEDULE & OTHER EROSION CONTROL NOTES FOR IMPLEMENTATION SEQUENCING.
H. RECEIVING STREAM – MARGARET RUN.

CONTRACTOR/CONSTRUCTION MANAGER RESPONSIBILITY:
A. THE CONTRACTOR SHALL COMPLY WITH ALL STATE & LOCAL ORDINANCES THAT APPLY & IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT.
B. THE SWP3, INCLUDING COPIES OF THE NOI, THE LETTER GRANTING PERMIT COVERAGE & THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT SHALL BE MAINTAINED ON-SITE FOR THE DURATION OF THE PROJECT. THE SWP3 MUST BE SIGNED BY THE PERMITTEE OR A DULY AUTHORIZED REPRESENTATIVE, AS DEFINED IN THE GENERAL PERMIT (PART V.G).

CERTIFICATION:
I HEREBY CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT & ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED & EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE & BELIEF, TRUE, ACCURATE & COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE & IMPRISONMENT FOR KNOWING VIOLATIONS.

PERMITTEE _____ DATE _____

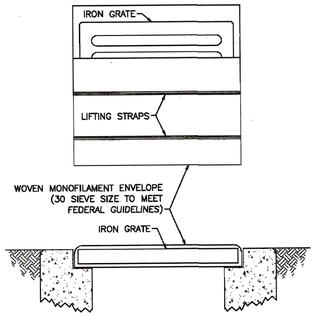
CONSTRUCTION SEQUENCE

1. PRE-CONSTRUCTION MEETING TO REVIEW THE PLAN & CONSTRUCTION SEQUENCING BEFORE EARTHWORK IS PERMITTED.
2. INSTALL TEMPORARY CONSTRUCTION ENTRANCE(S) FOR CONSTRUCTION TRAFFIC. IF THE MAJORITY OF MUD OR DIRT IS NOT REMOVED FROM EXITING TRAFFIC, TEMPORARY WATER STORAGE TANKS WITH HOSES SHALL BE PROVIDED AT CONSTRUCTION TRAFFIC EXIT POINTS & VEHICLE TIRES SHALL BE WASHED BEFORE EXITING ON PUBLIC ROADS. SILT FROM THIS OPERATION SHALL BE INTERCEPTED & TRAPPED BEFORE WASHWATER IS ALLOWED TO BE DISCHARGED OFFSITE.
3. DUST ON SITE SHALL BE MINIMIZED BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF OILS & OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.
4. INSTALL PERIMETER EROSION CONTROL MEASURES & BEGIN CLEARING & GRUBBING. EXERCISE CARE NOT TO DAMAGE VALUABLE TREES OR DISTURB DESIGNATED BUFFER ZONES.
5. PERFORM CLEARING, GRUBBING & TOPSOIL STOCKPILING AS REQUIRED. CONSTRUCT ALL SEDIMENT BASINS, TRAPS, & DIVERSIONS WITHIN 7 DAYS OF FIRST GRUBBING. INSTALL TREE PROTECTION FENCE IMMEDIATELY AFTER TREE CLEARING IS COMPLETE. CONTINUE LAND CLEARING & GRADING WHEN KEY EROSION & SEDIMENT CONTROL MEASURES ARE IN PLACE. ONCE A SCHEDULED DEVELOPMENT AREA IS CLEARED, GRADING SHOULD FOLLOW IMMEDIATELY SO THAT PROTECTIVE GROUND COVER CAN BE REESTABLISHED QUICKLY. DO NOT LEAVE ANY AREA BARE/EXPOSED FOR EXTENDED PERIODS. LEAVE ADJOINING DEVELOPMENT AREAS, OR AREAS TO BE USED FOR BORROW OR DISPOSAL, UNDISTURBED FOR AS LONG AS POSSIBLE TO SERVE AS NATURAL BUFFER ZONES.
6. IMMEDIATELY AFTER LAND CLEARING, APPLY SURFACE STABILIZATION ON GRADED & OTHER DISTURBED AREAS. STABILIZE ANY DISTURBED AREA WHERE ACTIVE CONSTRUCTION WILL NOT TAKE PLACE FOR 21 WORKING DAYS BY TEMPORARY SEEDING &/OR MULCHING OR BY OTHER SUITABLE MEANS. INSTALL PERMANENT STABILIZATION MEASURES IMMEDIATELY AFTER FINAL GRADING. TEMPORARY SEEDING &/OR MULCHING MAY BE NECESSARY IF WEATHER CONDITIONS DETERIORATE, WITH PERMANENT MEASURES DELAYED TEMPORARILY.
7. DURING EMBANKMENT OPERATIONS, TEMPORARY DIVERSION DITCHES/BERMS & TEMPORARY SLOPE DRAINS SHOULD BE INSTALLED AT THE TOP OF SLOPE TO MINIMIZE EROSION OF THE FILL FACE.
8. BEGIN SITE GRADING OPERATIONS & CONSTRUCTION. INSTALL INLET PROTECTION FOR STORM DRAINS AS SOON AS THE DRAIN IS FUNCTIONAL TO TRAP SEDIMENT ON-SITE IN SHALLOW POOLS & TO ALLOW FLOOD FLOWS TO SAFELY ENTER THE STORM DRAINAGE SYSTEM.
9. INSTALL ALL STORM SEWER PIPES & UNDERGROUND UTILITY LINES AS SHOWN ON THE PLANS WITH APPROPRIATE EROSION CONTROL MEASURES TO ELIMINATE SILTATION FROM ENTERING PIPE SYSTEMS.
10. AS APPLICABLE, INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
11. REMOVE INLET PROTECTION AROUND INLETS & MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE. IF APPLICABLE, NOTE THAT EROSION CONTROL AROUND INLETS CANNOT BE REMOVED UNTIL PAVING OPERATIONS ARE COMPLETE.
12. INSTALL FINAL PAVEMENT AS SHOWN ON THE PLANS.
13. CARRY OUT FINAL GRADING, SEEDING, & PLANTING AS SHOWN ON LANDSCAPE PLAN. LANDSCAPING & FINAL STABILIZATION IS THE LAST MAJOR CONSTRUCTION PHASE. ALL DISTURBED AREAS SHOULD HAVE PERMANENT MEASURES APPLIED WITHIN 21 DAYS OF FINISHING FINAL GRADE. ALL TEMPORARY STRUCTURES SHOULD BE REMOVED AFTER PERMANENT STRUCTURES ARE IN PLACE & STABILIZED. BORROW/DISPOSAL AREAS SHOULD BE PERMANENTLY VEGETATED OR OTHERWISE STABILIZED.
ALL TEMPORARY EROSION & SEDIMENT CONTROL PRACTICES SHALL BE REMOVED & DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.
14. INSPECT STORM SEWERS & REMOVE SEDIMENT AS NECESSARY.
15. REGULAR MAINTENANCE INSPECTION & REPAIR OF EROSION & SEDIMENT CONTROL DEVICES. MAINTENANCE: CONTRACTOR SHALL PLACE ALL SEDIMENTATION & EROSION CONTROL FEATURES PRIOR TO STARTING CONSTRUCTION OPERATIONS IN A PARTICULAR AREA. IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF A BARRIER DURING CONSTRUCTION TO FACILITATE GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE BARRIER SHALL BE IN PLACE IN THE EVENING OR DURING ANY INCLEMENT WEATHER. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF THE SEDIMENT CONTROL FEATURES USED ON THIS PROJECT. SITE SHALL BE INSPECTED PERIODICALLY & WITHIN 24 HOURS OF A SIGNIFICANT RAINFALL. RECORDS OF THESE INSPECTIONS SHALL BE KEPT & MADE AVAILABLE TO JURISDICTIONAL AGENCIES, IF REQUESTED. ANY SEDIMENT OR DEBRIS WHICH HAS REDUCED THE EFFICIENCY OF A STRUCTURE SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, CONTRACTOR SHALL REPAIR/REPLACE THE STRUCTURE OR FEATURE AT NO ADDITIONAL COST TO THE OWNER.
16. PRE-WINTER STABILIZATION MEETING IF PROJECT IS TO BE THROUGH THE WINTER.

EROSION CONTROL NOTES

1. ALL PROPERTIES ADJACENT TO THE AREAS OF SOIL-DISTURBING ACTIVITY, INCLUDING BUT NOT LIMITED TO PRIVATE PROPERTIES, NATURAL & ARTIFICIAL WATERWAYS, WETLANDS, STORM SEWERS & PUBLIC LANDS, SHALL BE PROTECTED, TO THE MAXIMUM EXTENT PRACTICABLE, FROM SOIL EROSION & SEDIMENT RUNOFF & DRAINAGE.
2. CONSTRUCTION SITE EROSION & SEDIMENT CONTROL PRACTICES USED TO SATISFY THIS REQUIREMENT SHALL CONFORM, AS A MINIMUM, TO STATE OF OHIO STANDARDS SET FORTH IN THE MOST CURRENT EDITION OF THE RAINWATER & LAND DEVELOPMENT MANUAL, DEFINED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES DIVISION OF SOIL & WATER CONSERVATION & NATURAL RESOURCE CONSERVATION SERVICE & SHALL CONFORM TO THE MOST CURRENT OHIO ENVIRONMENTAL PROTECTION AGENCY, OHIO REVISED CODE CHAPTER 6111 REQUIREMENTS.
3. EROSION & SEDIMENT CONTROL PLAN APPROVALS ISSUED IN ACCORDANCE WITH THESE RULES DO NOT RELIEVE THE OWNER OF RESPONSIBILITY FOR OBTAINING ALL OTHER NECESSARY PERMITS &/OR APPROVALS FROM FEDERAL, STATE, &/OR COUNTY AGENCIES. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE & LOCAL OFFICIALS. IF REQUIREMENTS VARY, THE MOST STRINGENT REQUIREMENTS SHALL BE FOLLOWED.
4. EROSION & SEDIMENT CONTROL PRACTICES AT THE SITE & AS IDENTIFIED IN THIS PLAN SHALL COMPLY WITH THE FOLLOWING:
A. RESERVED
B. LIMITS TO CLEARING & GRADING, AS SHOWN ON THESE PLANS, SHALL BE CLEARLY MARKED ON SITE WITH SIGNAGE, FLAGGING, FENCING ETC.
C. INSTALL EROSION & SEDIMENT PERIMETER CONTROLS AS A FIRST ACTION OF CONSTRUCTION. THIS SHALL INCLUDE & IS NOT LIMITED TO PROTECTIVE BMP'S FOR STREAM CORRIDORS & CROSSINGS, WETLANDS, SITE ENTRANCE, SEDIMENT TRAPS & BASINS, BARRIERS, & DIVERSION DIKES.
D. CONCENTRATED STORM WATER RUNOFF SHALL PASS THROUGH A SEDIMENT CONTROL DEVICE BEFORE EXITING THE SITE BOUNDARIES. CONCENTRATED RUNOFF FROM BARE SOIL AREAS SHALL BE DIVERTED INTO A SETTLING POND OR SEDIMENT CONTROL STRUCTURE, OR OTHER APPROVED SEDIMENT BARRIER BEFORE LEAVING THE SITE.
E. EARTHEN STRUCTURES SUCH AS DAMS, BASINS, STREAM MODIFICATIONS & WATER DIVERSIONS SHALL BE SEEDED & MULCHED WITHIN SEVEN (7) DAYS OF COMPLETION OF INSTALLATION. DAMS SHALL CONFORM TO OHIO DAM LAWS (ORC 1521.06).
F. CRITICAL AREAS WITHIN 50' OF ANY STREAM OR WETLAND SHALL BE TEMPORARILY STABILIZED WITHIN 2 DAYS OF DISTURBANCE IF AREA WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER. CONSTRUCTION VEHICLES SHALL AVOID STREAMS & THE 50' BUFFER AREAS. IF AN ACTIVE DRAINAGE WAY MUST BE CROSSED BY CONSTRUCTION VEHICLES REPEATEDLY DURING CONSTRUCTION, A TEMPORARY STREAM CROSSING SHALL BE CONSTRUCTED ACCORDING TO THE SPECIFICATIONS IN THE RAINWATER & LAND DEVELOPMENT MANUAL. CONSTRUCTION OF BRIDGES, CULVERTS OR SEDIMENT CONTROL STRUCTURES SHALL NOT PLACE SOIL, DEBRIS & OTHER FINE PARTICULATE MATERIAL INTO OR CLOSE TO THE WATER RESOURCE IN SUCH A MANNER THAT IT MAY SLOUGH, SLIP OR ERODE.
G. STORM SEWER INLETS SHALL BE PROTECTED SO THAT SEDIMENT-LADEN RUNOFF WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED &/OR TREATED.
H. TEMPORARY SOIL STABILIZATION SHALL OCCUR WITHIN 7 DAYS AFTER ROUGH GRADING IF THE AREA WILL REMAIN IDLE LONGER THAN 21 DAYS. PERMANENT SOIL STABILIZATION SHALL BE INSTALLED WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. PERMANENT VEGETATION IS A GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE & MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITIONS.
I. SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED TO PREVENT SOIL LOSS. STABILIZATION SHALL BE REQUIRED IF STOCKPILES ARE LOCATED WITHIN CRITICAL AREAS NEAR STREAMS OR WETLANDS, OR IF SEDIMENT FROM STOCKPILES WILL OTHERWISE LEAVE THE SITE.
J. UNSTABLE SOILS PRONE TO SLIPPING OR SLOUGHING SHALL NOT BE CLEARED, GRADED, EXCAVATED, FILLED OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS PLANNED BY A QUALIFIED PROFESSIONAL ENGINEER & INSTALLED IN ACCORDANCE WITH THIS PLAN. CUT & FILL SLOPES SHOULD BE DESIGNED TO MINIMIZE EROSION PROBLEMS. ADEQUATE SLOPE DESIGN INCLUDES USE OF ROUGH SOIL SURFACE ALONG THE FACE OF THE SLOPE, WATER DIVERSION ALONG THE TOP OF THE SLOPE AWAY FROM THE FACE, TERRACES TO REDUCE SLOPE LENGTH, DELIVERY OF CONCENTRATED STORM WATER FLOWS TO THE BASE OF THE SLOPE VIA ADEQUATE CHANNEL OR PIPE, & DRAINAGE FOR WATER SEEPS IN THE SLOPE THAT ENDANGER SLOPE STABILITY.
K. SOIL SHALL BE REMOVED FROM PAVED SURFACES &/OR PUBLIC ROADS AT THE END OF EACH DAY IN SUCH A MANNER THAT DOES NOT CREATE OFF-SITE SEDIMENTATION, IN ORDER TO ENSURE SAFETY & ABATE OFF-SITE SOIL LOSS. COLLECTED SEDIMENTS SHALL BE PLACED IN A STABLE LOCATION ON SITE OR TAKEN OFF-SITE TO A STABLE LOCATION.
L. DISTURBED OR MODIFIED DRAINAGE WAYS SHALL BE STABILIZED. EROSION EFFECTS OF STORM WATER RUNOFF SHALL BE REDUCED BY USING &/OR MAINTAINING GRASSED SWALES, INFILTRATION STRUCTURES OR WATER DIVERSIONS.
M. SEDIMENT & EROSION CONTROLS SHALL BE INSPECTED ONCE EVERY 7 DAYS & WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. A WRITTEN LOG OF THESE INSPECTIONS & IMPROVEMENTS TO CONTROLS SHALL BE KEPT ON SITE. THE INSPECTIONS SHALL INCLUDE THE DATE OF INSPECTION, NAME OF INSPECTOR, WEATHER CONDITIONS, ACTIONS TAKEN TO CORRECT ANY PROBLEMS & THE DATE CORRECTIVE ACTIONS WERE TAKEN.
N. TRENCHES FOR UNDERGROUND UTILITY LINES & PIPES SHALL BE TEMPORALLY STABILIZED WITHIN 7 DAYS IF THEY ARE TO REMAIN INACTIVE FOR 30 DAYS. TRENCH DEWATERING DEVICES SHALL DISCHARGE IN A MANNER THAT FILTERS SOIL-LADEN WATER BEFORE DISCHARGING IT TO A RECEIVING DRAINAGE DITCH OR POND. IF SEEDING, MULCHING OR OTHER EROSION & SEDIMENT CONTROL MEASURES WERE PREVIOUSLY INSTALLED, THESE PROTECTIVE MEASURES SHALL BE REINSTALLED.
O. DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH SEEDING & MULCHING OR OTHER APPROPRIATE MEANS WITHIN 7 DAYS.
P. EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON DITCHES GREATER THAN 1.5% & ALL SLOPES GREATER THAN 6%.
Q. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.
R. OFF-SITE VEHICLE TRACKING SEDIMENT SHALL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD(S) NOTED ON THE PLAN.
S. ALL EROSION & SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS & SPECIFICATIONS OF THE OHIO RAINWATER & LAND DEVELOPMENT MANUAL (CURRENT EDITION).
T. OTHER EROSION & SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
U. WINTERIZATION – ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 21 DAYS OR MORE MUST BE SEEDED & MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN NOVEMBER 1 & MARCH 1.
V. CONCRETE CEMENT IS TO BE TAKEN BACK TO PLANT FOR WASHOUT & RECYCLING.

INSPECTIONS:
1. IF THE SITE IS STABILIZED & WILL BE DORMANT FOR AN EXTENDED PERIOD, A WAIVER REQUEST MAY BE SUBMITTED TO OEPA FOR A REDUCTION IN MONTHLY INSPECTIONS.
2. ONLY QUALIFIED INSPECTION PERSONNEL SHALL PERFORM INSPECTIONS.
3. INSPECTION RECORDS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE RECORDS TO OWNER TO KEEP ON SITE.
4. REPAIR OR MAINTENANCE ON NON-SEDIMENT POND BMPS SHALL BE DONE WITHIN 3 DAYS OF INSPECTION & SEDIMENT PONDS SHALL BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.
5. MISSING BMP'S OR BMP'S NOT MEETING THEIR INTENDED FUNCTION SHALL BE REPLACED WITHIN 10 DAYS OF INSPECTION.



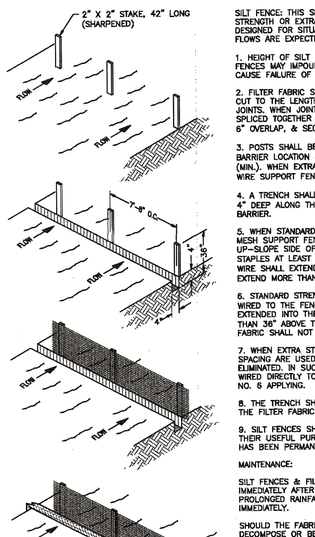
INLET PROTECTION (PAVEMENT AREAS) ①
NOT TO SCALE

INSTALLATION: THE EMPTY INLET PROTECTION UNIT SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW ON POUCH, ON THE BOTTOM (BELOW-GRATE SIDE) OF THE UNIT. ATTACH ABSORBENT PILLOW TO TETHER LOOP. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME (STREET SIDE FIRST), THEN LOWER BACK EDGE WITH DAM INTO PLACE. THE UNIT SHOULD BE PARTIALLY BLOCKING THE CURB HOOD WHEN INSTALLED PROPERLY.

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT & DEBRIS FROM SURFACE & VICINITY OF UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE UNIT AS NEEDED. IF USING OPTIONAL OIL ABSORBENTS, REMOVE & REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

TO INSPECT CATCH BASIN: REMOVE UNIT WITH GRATE INSIDE, INSPECT BASIN AND REPLACE UNIT.

MAINTENANCE: REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT AS NEEDED WITH STIFF BROOM OR SQUARE SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.



SEDIMENT FENCE ①
NOT TO SCALE

SILT FENCE: THIS SEDIMENT BARRIER UTILIZES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRIC & IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED.

1. HEIGHT OF SILT FENCE SHALL NOT EXCEED 36". HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

2. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP, & SECURELY SEALED.

3. POSTS SHALL BE SPACED AT 10' (MAX.) APART AT THE BARRIER LOCATION & DRIVEN SECURELY INTO THE GROUND 12" (MIN.). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6'.

4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4" WIDE & 4" DEEP ALONG THE LINE OF POSTS & UP-SLOPE FROM THE BARRIER.

5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1" LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH 2" (MIN.) & SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.

6. STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, & 8" OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. FABRIC SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

7. WHEN EXTRA STRENGTH FILTER FABRIC & CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH CASE, FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.

8. THE TRENCH SHALL BE BACKFILLED & SOIL COMPACTED OVER THE FILTER FABRIC.

9. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

MAINTENANCE:

SILT FENCES & FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL & AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE & THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

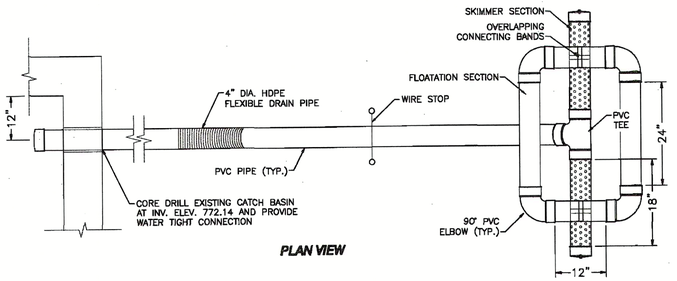
SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED & SEEDED.

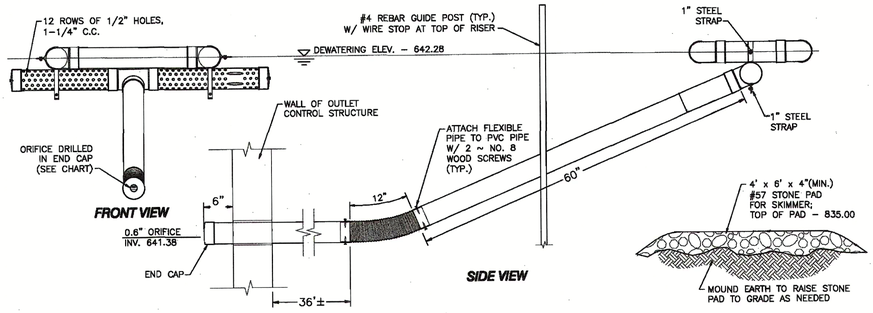
DESIGN CAPACITY CHART:

MAX. DRAINAGE AREA PER 100 LF OF FENCE	RANGE OF SLOPE PER DRAINAGE AREA
0.5 AC.	<2%
0.25 AC.	≥2% BUT <20%
0.125 AC.	≥20% BUT <50%

NOTES:
1. ALL PVC PIPES ARE TO BE 4" I.D. SCHEDULE 40.
2. ALL JOINTS OF THE FLOATATION SECTION SHALL BE SOLVENT WELDED. JOINTS OF SKIMMER SECTION NEED NOT BE WATER-TIGHT.
3. CONTRACTOR SHALL PROVIDE A SEDIMENT LEVEL INDICATOR POST INSTALLED IN THE BASIN. POST SHALL BE PAINTED GREEN FROM BOTTOM OF BASIN TO 774.14. THE REMAINDER EXPOSED POST SHALL BE PAINTED RED. SEDIMENT SHALL BE REMOVED FROM BASIN WHEN LEVEL REACHES 774.14, I.E. ONLY RED POST IS VISIBLE.
4. CONTRACTOR SHALL FIRMLY SECURE & ANCHOR THE TEE, RISER & SKIMMER DISCHARGE LINE (BETWEEN FLEXIBLE PIPE SECTION & OUTLET STRUCTURE) TO PREVENT SHIFTING &/OR FLOATATION.
5. UPON REMOVAL OF TEMPORARY DEVICES, THE OPENINGS IN THE OUTLET CONTROL STRUCTURE FOR THE 4" & 18" PIPES SHALL BE SEALED FLUSH WITH THE SURROUNDING WALL SURFACES USING BLOCK & NON-SHRINK GROUT.



PLAN VIEW

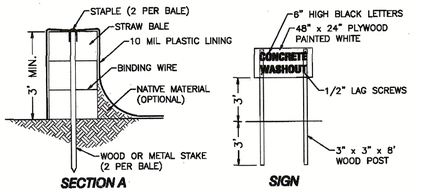


Sediment Basin								
Contributing Drainage Area (acre)	Dewatering Volume (cubic feet)	Dewatering Volume Elevation (Feet)	Sediment Storage Volume (cubic feet)	Sediment Storage Elevation (Feet)	Average Dewatering Rate (c.f.s)	Detention Time (hours)	Dewatering Control orifice Size (inch)	Dewatering Control orifice Size (inch - fraction)
9.18	11,124	642.28	6,180	641.38	0.086	48	0.6	1/2

Basin Dewatering Calculation				
Elevation (Feet)	Volume (C.F.)	Head (Feet)	Release Rate (C.F.S.)	Incremental Dewatering Time (Hours)
642.28	6,585	0.9	0.009	23.23
642.08	5,835	0.7	0.008	26.34
641.38	5,085	0	0.000	
				49.57 Total Time

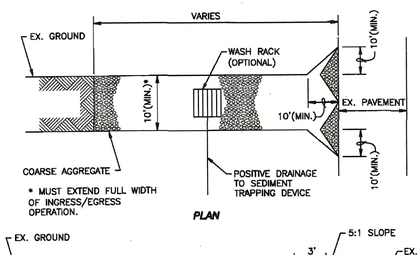
IN ORDER TO COMPLY WITH OHIO EPA GENERAL PERMIT NO. OHC000004, THE CONTRACTOR SHALL CREATE A TEMPORARY SEDIMENT BASIN WITH SEDIMENT STORAGE VOLUME & DEWATERING CHARACTERISTICS COMPLYING WITH THE REFERENCED PERMIT & THE SEDIMENT BASIN & BASIN DEWATERING CALCULATION CHARTS SHOWN HEREIN. THE CHARTS & DEWATERING DEVICE SHOWN ON THESE DOCUMENTS ARE SPECIFIC TO THE DEPTH & DIMENSIONAL CHARACTERISTICS OF THE PERMANENT DETENTION BASIN AS DEPICTED ON THESE CONSTRUCTION DRAWINGS. IF THE CONTRACTOR ELECTS TO CONSTRUCT A DIFFERENT BASIN &/OR DEWATERING DEVICE, THEY SHALL SUBMIT DETAILED CALCULATIONS & DRAWINGS VERIFYING COMPLIANCE WITH THE REFERENCED PERMIT FOR THE ENGINEER'S REVIEW PRIOR TO CONSTRUCTION.

TEMPORARY SEDIMENT BASIN SKIMMER DEWATERING DEVICE & STANDPIPE ③
NOT TO SCALE



NOTES:
- ACTUAL LOCATION & LAYOUT SHALL BE DETERMINED IN THE FIELD.
- PIT CAN BE DUG INTO THE GROUND OR FORMED ABOVE GRADE.
- PLASTIC LINING SHALL BE MAINTAINED FREE OF TEARS OR HOLES.
- AFTER THE UNIT IS USED & WASHWATER HAS EVAPORATED OR BEEN VACUUMED OFF, THE REMAINING HARDENED SOLIDS CAN BE BROKEN UP & REMOVED FROM THE PIT.
- IF DAMAGE OCCURS TO THE STRAW BALES OR PLASTIC LINING DURING THE REMOVAL OF SOLIDS, THE PIT SHALL BE REPAIRED & RELINED WITH NEW PLASTIC TO ACHIEVE A LEAK-PROOF SYSTEM.
- A PRE-FABRICATED PORTABLE VINYL WASHOUT CONTAINER WITH FILTER BAG OR METAL WASHOUT CONTAINER SERVICE MAY BE USED AS SUBSTITUTES FOR THE STRAW BALE & PLASTIC LINER PIT.

CONCRETE WASHOUT AREA ④
NOT TO SCALE


VARIES
EX. GROUND
WASH RACK (OPTIONAL)
10'(MIN.)
10'(MIN.)
10'(MIN.)
EX. PAVEMENT
10'(MIN.)
COARSE AGGREGATE
POSITIVE DRAINAGE TO SEDIMENT TR

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-023**
		Date of Issue:	October 3, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
Diesel Dispensing Unit – Fuel Island

The Diesel Dispensing Unit + Diesel end of Fuel Tank orientation on the Fuel Island is Northeast.
The Gasoline Dispensing Unit + Gasoline end of Fuel Tank orientation on the Fuel Island is Southwest.

Attachments:

Issued by

TIC/js

October 3, 2014

Renouveau Design, Inc. Thomas I. Converse Date

THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) FOR THIS PROJECT IS COMPOSED OF THESE DRAWINGS (SHEETS SP-C-300 & SP-C-600), THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT, INCLUDING ALL REQUIREMENTS THEREIN, THE PROJECT DRAWINGS, & ALL SUPPLEMENTAL INFORMATION INCLUDED/ADDED BY THE CONTRACTOR(S) AS APPROVED/ACCEPTED BY THE ENGINEER. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.

ADDITIONAL EROSION & SEDIMENT CONTROL PRACTICES NOT ALREADY SPECIFIED ON THIS PLAN MAY BE NECESSARY DUE TO UNFORESEEN ENVIRONMENTAL CONDITIONS &/OR CHANGES IN DRAINAGE PATTERNS CAUSED BY EARTH-DISTURBING ACTIVITY.

SITE DESCRIPTION:

A. PROJECT IS A OHIO DEPT. OF TRANSPORTATION MAINTENANCE FACILITY INCLUDING CONSTRUCTION OF 4 NEW BUILDINGS & ASSOCIATED DRIVES, PARKING & INFRASTRUCTURE.
B. TOTAL AREA OF SITE – 11.02 ACRES
TOTAL AREA DISTURBED – 9.7 ACRES
C. PRE-CONSTRUCTION RUNOFF CURVE NUMBER – 89
POST-CONSTRUCTION RUNOFF CURVE NUMBER – 95
D. IMPERVIOUS AREA CREATED BY CONSTRUCTION ACTIVITY – 4.22 ACRES
PERCENT OF IMPERVIOUSNESS – 43.5%
E. EX. SOILS ARE Cg – CHARGRIN SILT LOAM, 0-3% SLOPES, LkC – LICKING SILT LOAM 0-15%. SOURCE: USDA WEB SOIL SURVEY.
STORM WATER DISCHARGE QUALITY INFORMATION NOT AVAILABLE.
F. PRIOR LAND USE AT THE SITE – OHIO DEPT. OF TRANSPORTATION MAINTENANCE FACILITY.
G. SEE TIMING OF SEDIMENT-TRAPPING PRACTICES, INSPECTION SCHEDULE & OTHER EROSION CONTROL NOTES FOR IMPLEMENTATION SEQUENCING.
H. RECEIVING STREAM – MARGARET RUN.

CONTRACTOR/CONSTRUCTION MANAGER RESPONSIBILITY:

A. THE CONTRACTOR SHALL COMPLY WITH ALL STATE & LOCAL ORDINANCES THAT APPLY & IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT.
B. THE SWP3, INCLUDING COPIES OF THE NOI, THE LETTER GRANTING PERMIT COVERAGE & THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT SHALL BE MAINTAINED ON-SITE FOR THE DURATION OF THE PROJECT. THE SWP3 MUST BE SIGNED BY THE PERMITTEE OR A DULY AUTHORIZED REPRESENTATIVE, AS DEFINED IN THE GENERAL PERMIT (PART V.G).

CERTIFICATION:
I HEREBY CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT & ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED & EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE & BELIEF, TRUE, ACCURATE & COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE & IMPRISONMENT FOR KNOWING VIOLATIONS.

_____ _____
PERMITTEE DATE

CONSTRUCTION SEQUENCE

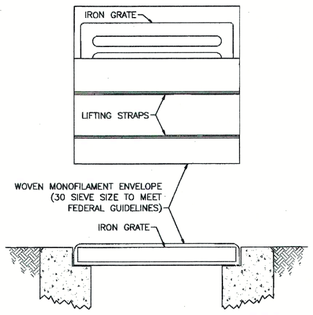
1. PRE-CONSTRUCTION MEETING TO REVIEW THE PLAN & CONSTRUCTION SEQUENCING BEFORE EARTHWORK IS PERMITTED.
2. INSTALL TEMPORARY CONSTRUCTION ENTRANCE(S) FOR CONSTRUCTION TRAFFIC. IF THE MAJORITY OF MUD OR DIRT IS NOT REMOVED FROM EXITING TRAFFIC, TEMPORARY WATER STORAGE TANKS WITH HOSES SHALL BE PROVIDED AT CONSTRUCTION TRAFFIC EXIT POINTS & VEHICLE TIRES SHALL BE WASHED BEFORE EXITING ON PUBLIC ROADS. SILT FROM THIS OPERATION SHALL BE INTERCEPTED & TRAPPED BEFORE WASHWATER IS ALLOWED TO BE DISCHARGED OFFSITE.
3. DUST ON SITE SHALL BE MINIMIZED BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF OILS & OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.
4. INSTALL PERIMETER EROSION CONTROL MEASURES & BEGIN CLEARING & GRUBBING. EXERCISE CARE NOT TO DAMAGE VALUABLE TREES OR DISTURB DESIGNATED BUFFER ZONES.
5. PERFORM CLEARING, GRUBBING & TOPSOIL STOCKPILING AS REQUIRED. CONSTRUCT ALL SEDIMENT BASINS, TRAPS, & DIVERSIONS WITHIN 7 DAYS OF FIRST GRUBBING. INSTALL TREE PROTECTION FENCE IMMEDIATELY AFTER TREE CLEARING IS COMPLETE. CONTINUE LAND CLEARING & GRADING WHEN KEY EROSION & SEDIMENT CONTROL MEASURES ARE IN PLACE. ONCE A SCHEDULED DEVELOPMENT AREA IS CLEARED, GRADING SHOULD FOLLOW IMMEDIATELY SO THAT PROTECTIVE GROUND COVER CAN BE REESTABLISHED QUICKLY. DO NOT LEAVE ANY AREA BARE/EXPOSED FOR EXTENDED PERIODS. LEAVE ADJOINING DEVELOPMENT AREAS, OR AREAS TO BE USED FOR BORROW OR DISPOSAL, UNDISTURBED FOR AS LONG AS POSSIBLE TO SERVE AS NATURAL BUFFER ZONES.
6. IMMEDIATELY AFTER LAND CLEARING, APPLY SURFACE STABILIZATION ON GRADED & OTHER DISTURBED AREAS. STABILIZE ANY DISTURBED AREA WHERE ACTIVE CONSTRUCTION WILL NOT TAKE PLACE FOR 21 WORKING DAYS BY TEMPORARY SEEDING &/OR MULCHING OR BY OTHER SUITABLE MEANS. INSTALL PERMANENT STABILIZATION MEASURES IMMEDIATELY AFTER FINAL GRADING. TEMPORARY SEEDING &/OR MULCHING MAY BE NECESSARY IF WEATHER CONDITIONS DETERIORATE, WITH PERMANENT MEASURES DELAYED TEMPORARILY.
7. DURING EMBANKMENT OPERATIONS, TEMPORARY DIVERSION DITCHES/BERMS & TEMPORARY SLOPE DRAINS SHOULD BE INSTALLED AT THE TOP OF SLOPE TO MINIMIZE EROSION OF THE FILL FACE.
8. BEGIN SITE GRADING OPERATIONS & CONSTRUCTION. INSTALL INLET PROTECTION FOR STORM DRAINS AS SOON AS THE DRAIN IS FUNCTIONAL TO TRAP SEDIMENT ON-SITE IN SHALLOW POOLS & TO ALLOW FLOOD FLOWS TO SAFELY ENTER THE STORM DRAINAGE SYSTEM.
9. INSTALL ALL STORM SEWER PIPES & UNDERGROUND UTILITY LINES AS SHOWN ON THE PLANS WITH APPROPRIATE EROSION CONTROL MEASURES TO ELIMINATE SILTATION FROM ENTERING PIPE SYSTEMS.
10. AS APPLICABLE, INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
11. REMOVE INLET PROTECTION AROUND INLETS & MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE. IF APPLICABLE, NOTE THAT EROSION CONTROL AROUND INLETS CANNOT BE REMOVED UNTIL PAVING OPERATIONS ARE COMPLETE.
12. INSTALL FINAL PAVEMENT AS SHOWN ON THE PLANS.
13. CARRY OUT FINAL GRADING, SEEDING, & PLANTING AS SHOWN ON LANDSCAPE PLAN. LANDSCAPING & FINAL STABILIZATION IS THE LAST MAJOR CONSTRUCTION PHASE. ALL DISTURBED AREAS SHOULD HAVE PERMANENT MEASURES APPLIED WITHIN 21 DAYS OF FINISHING FINAL GRADE. ALL TEMPORARY STRUCTURES SHOULD BE REMOVED AFTER PERMANENT STRUCTURES ARE IN PLACE & STABILIZED. BORROW/DISPOSAL AREAS SHOULD BE PERMANENTLY VEGETATED OR OTHERWISE STABILIZED.
ALL TEMPORARY EROSION & SEDIMENT CONTROL PRACTICES SHALL BE REMOVED & DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.
14. INSPECT STORM SEWERS & REMOVE SEDIMENT AS NECESSARY.
15. REGULAR MAINTENANCE INSPECTION & REPAIR OF EROSION & SEDIMENT CONTROL DEVICES. MAINTENANCE: CONTRACTOR SHALL PLACE ALL SEDIMENTATION & EROSION CONTROL FEATURES PRIOR TO STARTING CONSTRUCTION OPERATIONS IN A PARTICULAR AREA. IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF A BARRIER DURING CONSTRUCTION TO FACILITATE GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE BARRIER SHALL BE IN PLACE IN THE EVENING OR DURING ANY INCLEMENT WEATHER. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF THE SEDIMENT CONTROL FEATURES USED ON THIS PROJECT. SITE SHALL BE INSPECTED PERIODICALLY & WITHIN 24 HOURS OF A SIGNIFICANT RAINFALL. RECORDS OF THESE INSPECTIONS SHALL BE KEPT & MADE AVAILABLE TO JURISDICTIONAL AGENCIES, IF REQUESTED. ANY SEDIMENT OR DEBRIS WHICH HAS REDUCED THE EFFICIENCY OF A STRUCTURE SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, CONTRACTOR SHALL REPAIR/REPLACE THE STRUCTURE OR FEATURE AT NO ADDITIONAL COST TO THE OWNER.
16. PRE-WINTER STABILIZATION MEETING IF PROJECT IS TO BE THROUGH THE WINTER.

EROSION CONTROL NOTES

1. ALL PROPERTIES ADJACENT TO THE AREAS OF SOIL-DISTURBING ACTIMTY, INCLUDING BUT NOT LIMITED TO PRIVATE PROPERTIES, NATURAL & ARTIFICIAL WATERWAYS, WETLANDS, STORM SEWERS & PUBLIC LANDS, SHALL BE PROTECTED, TO THE MAXIMUM EXTENT PRACTICABLE, FROM SOIL EROSION & SEDIMENT RUNOFF & DRAINAGE.
2. CONSTRUCTION SITE EROSION & SEDIMENT CONTROL PRACTICES USED TO SATISFY THIS REQUIREMENT SHALL CONFORM, AS A MINIMUM, TO STATE OF OHIO STANDARDS SET FORTH IN THE MOST CURRENT EDITION OF THE RAINWATER & LAND DEVELOPMENT MANUAL, DEFINED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES DIVISION OF SOIL & WATER CONSERVATION & NATURAL RESOURCE CONSERVATION SERVICE & SHALL CONFORM TO THE MOST CURRENT OHIO ENVIRONMENTAL PROTECTION AGENCY, OHIO REVISED CODE CHAPTER 6111 REQUIREMENTS.
3. EROSION & SEDIMENT CONTROL PLAN APPROVALS ISSUED IN ACCORDANCE WITH THESE RULES DO NOT RELIEVE THE OWNER OF RESPONSIBILITY FOR OBTAINING ALL OTHER NECESSARY PERMITS &/OR APPROVALS FROM FEDERAL, STATE, &/OR COUNTY AGENCIES. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE & LOCAL OFFICIALS. IF REQUIREMENTS VARY, THE MOST STRINGENT REQUIREMENTS SHALL BE FOLLOWED.
4. EROSION & SEDIMENT CONTROL PRACTICES AT THE SITE & AS IDENTIFIED IN THIS PLAN SHALL COMPLY WITH THE FOLLOWING:
A. RESERVED
B. LIMITS TO CLEARING & GRADING, AS SHOWN ON THESE PLANS, SHALL BE CLEARLY MARKED ON SITE WITH SIGNAGE, FLAGGING, FENCING ETC.
C. INSTALL EROSION & SEDIMENT PERIMETER CONTROLS AS A FIRST ACTION OF CONSTRUCTION. THIS SHALL INCLUDE & IS NOT LIMITED TO PROTECTIVE BMP'S FOR STREAM CORRIDORS & CROSSINGS, WETLANDS, SITE ENTRANCE, SEDIMENT TRAPS & BASINS, BARRIERS, & DIVERSION DIKES.
D. CONCENTRATED STORM WATER RUNOFF SHALL PASS THROUGH A SEDIMENT CONTROL DEVICE BEFORE EXITING THE SITE BOUNDARIES. CONCENTRATED RUNOFF FROM BARE SOIL AREAS SHALL BE DIVERTED INTO A SETTLING POND OR SEDIMENT CONTROL STRUCTURE, OR OTHER APPROVED SEDIMENT BARRIER BEFORE LEAVING THE SITE.
E. EARTHEN STRUCTURES SUCH AS DAMS, BASINS, STREAM MODIFICATIONS & WATER DIVERSIONS SHALL BE SEEDED & MULCHED WITHIN SEVEN (7) DAYS OF COMPLETION OF INSTALLATION. DAMS SHALL CONFORM TO OHIO DAM LAWS (ORC 1521.06).
F. CRITICAL AREAS WITHIN 50' OF ANY STREAM OR WETLAND SHALL BE TEMPORARILY STABILIZED WITHIN 2 DAYS OF DISTURBANCE IF AREA WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER. CONSTRUCTION VEHICLES SHALL AVOID STREAMS & THE 50' BUFFER AREAS. IF AN ACTIVE DRAINAGE WAY MUST BE CROSSED BY CONSTRUCTION VEHICLES REPEATEDLY DURING CONSTRUCTION, A TEMPORARY STREAM CROSSING SHALL BE CONSTRUCTED ACCORDING TO THE SPECIFICATIONS IN THE RAINWATER & LAND DEVELOPMENT MANUAL. CONSTRUCTION OF BRIDGES, CULVERTS OR SEDIMENT CONTROL STRUCTURES SHALL NOT PLACE SOIL, DEBRIS & OTHER FINE PARTICULATE MATERIAL INTO OR CLOSE TO THE WATER RESOURCE IN SUCH A MANNER THAT IT MAY SLOUGH, SLIP OR ERODE.
G. STORM SEWER INLETS SHALL BE PROTECTED SO THAT SEDIMENT-LADEN RUNOFF WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED &/OR TREATED.
H. TEMPORARY SOIL STABILIZATION SHALL OCCUR WITHIN 7 DAYS AFTER ROUGH GRADING IF THE AREA WILL REMAIN IDLE LONGER THAN 21 DAYS. PERMANENT SOIL STABILIZATION SHALL BE INSTALLED WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. PERMANENT VEGETATION IS A GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE & MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITIONS.
I. SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED TO PREVENT SOIL LOSS. STABILIZATION SHALL BE REQUIRED IF STOCKPILES ARE LOCATED WITHIN CRITICAL AREAS NEAR STREAMS OR WETLANDS, OR IF SEDIMENT FROM STOCKPILES WILL OTHERWISE LEAVE THE SITE.
J. UNSTABLE SOILS PRONE TO SLIPPING OR SLOUGHING SHALL NOT BE CLEARED, GRADED, EXCAVATED, FILLED OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS PLANNED BY A QUALIFIED PROFESSIONAL ENGINEER & INSTALLED IN ACCORDANCE WITH THIS PLAN. CUT & FILL SLOPES SHOULD BE DESIGNED TO MINIMIZE EROSION PROBLEMS. ADEQUATE SLOPE DESIGN INCLUDES USE OF ROUGH SOIL SURFACE ALONG THE FACE OF THE SLOPE, WATER DIVERSION ALONG THE TOP OF THE SLOPE AWAY FROM THE FACE, TERRACES TO REDUCE SLOPE LENGTH, DELIVERY OF CONCENTRATED STORM WATER FLOWS TO THE BASE OF THE SLOPE VIA ADEQUATE CHANNEL OR PIPE, & DRAINAGE FOR WATER SEEPS IN THE SLOPE THAT ENDANGER SLOPE STABILITY.
K. SOIL SHALL BE REMOVED FROM PAVED SURFACES &/OR PUBLIC ROADS AT THE END OF EACH DAY IN SUCH A MANNER THAT DOES NOT CREATE OFF-SITE SEDIMENTATION, IN ORDER TO ENSURE SAFETY & ABATE OFF-SITE SOIL LOSS. COLLECTED SEDIMENTS SHALL BE PLACED IN A STABLE LOCATION ON SITE OR TAKEN OFF-SITE TO A STABLE LOCATION.
L. DISTURBED OR MODIFIED DRAINAGE WAYS SHALL BE STABILIZED. EROSION EFFECTS OF STORM WATER RUNOFF SHALL BE REDUCED BY USING &/OR MAINTAINING GRASSED SWALES, INFILTRATION STRUCTURES OR WATER DIVERSIONS.
M. SEDIMENT & EROSION CONTROLS SHALL BE INSPECTED ONCE EVERY 7 DAYS & WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. A WRITTEN LOG OF THESE INSPECTIONS & IMPROVEMENTS TO CONTROLS SHALL BE KEPT ON SITE. THE INSPECTIONS SHALL INCLUDE THE DATE OF INSPECTION, NAME OF INSPECTOR, WEATHER CONDITIONS, ACTIONS TAKEN TO CORRECT ANY PROBLEMS & THE DATE CORRECTIVE ACTIONS WERE TAKEN.
N. TRENCHES FOR UNDERGROUND UTILITY LINES & PIPES SHALL BE TEMPORARILY STABILIZED WITHIN 7 DAYS IF THEY ARE TO REMAIN INACTIVE FOR 30 DAYS. TRENCH DEWATERING DEVICES SHALL DISCHARGE IN A MANNER THAT FILTERS SOIL-LADEN WATER BEFORE DISCHARGING IT TO A RECEIVING DRAINAGE DITCH OR POND. IF SEEDING, MULCHING OR OTHER EROSION & SEDIMENT CONTROL MEASURES WERE PREVIOUSLY INSTALLED, THESE PROTECTIVE MEASURES SHALL BE REINSTALLED.
O. DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH SEEDING & MULCHING OR OTHER APPROPRIATE MEANS WITHIN 7 DAYS.
P. EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON DITCHES GREATER THAN 1.5% & ALL SLOPES GREATER THAN 6%.
Q. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.
R. OFF-SITE VEHICLE TRACKING SEDIMENT SHALL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD(S) NOTED ON THE PLAN.
S. ALL EROSION & SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS & SPECIFICATIONS OF THE OHIO RAINWATER & LAND DEVELOPMENT MANUAL (CURRENT EDITION).
T. OTHER EROSION & SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
U. WINTERIZATION – ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 21 DAYS OR MORE MUST BE SEEDED & MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN NOVEMBER 1 & MARCH 1.
V. CONCRETE CEMENT IS TO BE TAKEN BACK TO PLANT FOR WASHOUT & RECYCLING.

INSPECTIONS:

1. IF THE SITE IS STABILIZED & WILL BE DORMANT FOR AN EXTENDED PERIOD, A WAIVER REQUEST MAY BE SUBMITTED TO OEPA FOR A REDUCTION IN MONTHLY INSPECTIONS.
2. ONLY QUALIFIED INSPECTION PERSONNEL SHALL PERFORM INSPECTIONS.
3. INSPECTION RECORDS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE RECORDS TO OWNER TO KEEP ON SITE.
4. REPAIR OR MAINTENANCE ON NON-SEDIMENT POND BMPS SHALL BE DONE WITHIN 3 DAYS OF INSPECTION & SEDIMENT PONDS SHALL BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.
5. MISSING BMP'S OR BMP'S NOT MEETING THEIR INTENDED FUNCTION SHALL BE REPLACED WITHIN 10 DAYS OF INSPECTION.



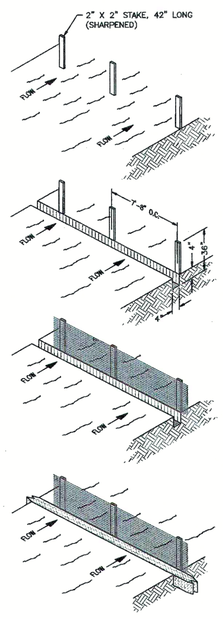
INSTALLATION: THE EMPTY INLET PROTECTION UNIT SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS: PLACE ABSORBENT PILLOW ON POUCH, ON THE BOTTOM (BELOW-GRATE SIDE) OF THE UNIT. ATTACH ABSORBENT PILLOW TO TETHER LOOP. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME (STREET SIDE FIRST), THEN LOWER BACK EDGE WITH DAM INTO PLACE. THE UNIT SHOULD BE PARTIALLY BLOCKING THE CURB HOOD WHEN INSTALLED PROPERLY.

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT & DEBRIS FROM SURFACE & VICINITY OF UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE UNIT AS NEEDED. IF USING OPTIONAL OIL ABSORBENTS, REMOVE & REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

TO INSPECT CATCH BASIN: REMOVE UNIT WITH GRATE INSIDE, INSPECT BASIN AND REPLACE UNIT.

MAINTENANCE: REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT AS NEEDED WITH STIFF BROOM OR SQUARE SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.

INLET PROTECTION (PAVEMENT AREAS) 1
NOT TO SCALE



SILT FENCE: THIS SEDIMENT BARRIER UTILIZES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRIC & IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED.

1. HEIGHT OF SILT FENCE SHALL NOT EXCEED 36". HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

2. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP, & SECURELY SEALED.

3. POSTS SHALL BE SPACED AT 10' (MAX.) APART AT THE BARRIER LOCATION & DRIVEN SECURELY INTO THE GROUND 12" (MIN.). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6'.

4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4" WIDE & 4" DEEP ALONG THE LINE OF POSTS & UP-SLOPE FROM THE BARRIER.

5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1" LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH 2" (MIN.) & SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.

6. STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, & 8" OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. FABRIC SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

7. WHEN EXTRA STRENGTH FILTER FABRIC & CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH CASE, FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.

8. THE TRENCH SHALL BE BACKFILLED & SOIL COMPACTED OVER THE FILTER FABRIC.

9. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

MAINTENANCE:

SILT FENCES & FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL & AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE & THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

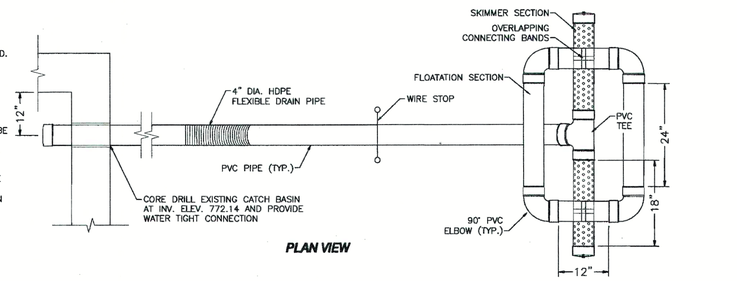
ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED & SEEDED.

DESIGN CAPACITY CHART:

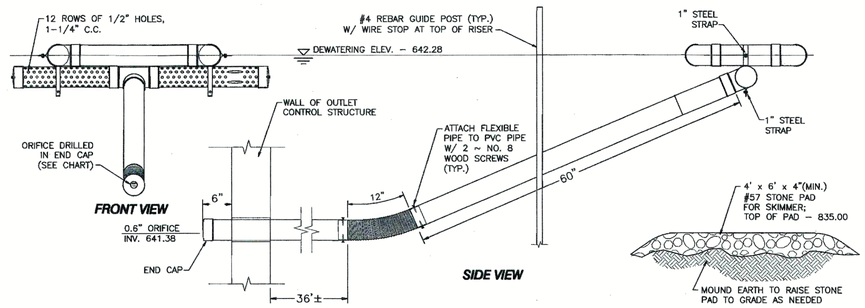
MAX. DRAINAGE AREA PER 100 LF OF FENCE	RANGE OF SLOPE PER DRAINAGE AREA
0.5 AC.	<2%
0.25 AC.	≥2% BUT <20%
0.125 AC.	≥20% BUT <50%

SEDIMENT FENCE 1
NOT TO SCALE

NOTES:
1. ALL PVC PIPES ARE TO BE 4" I.D. SCHEDULE 40.
2. ALL JOINTS OF THE FLOATATION SECTION SHALL BE SOLVENT WELDED. JOINTS OF SKIMMER SECTION NEED NOT BE WATER-TIGHT.
3. CONTRACTOR SHALL PROVIDE A SEDIMENT LEVEL INDICATOR POST INSTALLED IN THE BASIN. POST SHALL BE PAINTED GREEN FROM BOTTOM OF BASIN TO 774.14. THE REMAINDER EXPOSED POST SHALL BE PAINTED RED. SEDIMENT SHALL BE REMOVED FROM BASIN WHEN LEVEL REACHES 774.14, I.E. ONLY RED POST IS VISIBLE.
4. CONTRACTOR SHALL FIRMLY SECURE & ANCHOR THE TEE, RISER & SKIMMER DISCHARGE LINE (BETWEEN FLEXIBLE PIPE SECTION & OUTLET STRUCTURE) TO PREVENT SHIFTING &/OR FLOATATION.
5. UPON REMOVAL OF TEMPORARY DEVICES, THE OPENINGS IN THE OUTLET CONTROL STRUCTURE FOR THE 4" & 18" PIPES SHALL BE SEALED FLUSH WITH THE SURROUNDING WALL SURFACES USING BLOCK & NON-SHRINK GROUT.



PLAN VIEW



FRONT VIEW

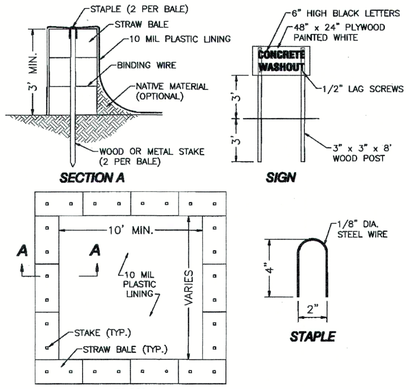
SIDE VIEW

Sediment Basin								
Contributing Drainage Area (acre)	Dewatering Volume (cubic feet)	Dewatering Elevation (Feet)	Sediment Storage Volume (cubic feet)	Sediment Storage Elevation (Feet)	Average Dewatering Rate (c.f.s)	Detention Time (hours)	Dewatering Control orifice Size (inch)	Dewatering Control orifice Size (inch - fraction)
6.18	11,124	642.28	6,180	641.38	0.036	48	0.6	1/2

Basin Dewatering Calculation					
Elevation (Feet)	Volume (C.F.)	Head (Feet)	Release Rate (C.F.S.)	Incremental Dewatering Time (Hours)	
642.28	6,585	0.9	0.009	23.23	
642.08	5,835	0.7	0.008	26.34	
641.38	5,085	0	0.000		
				49.57	Total Time

IN ORDER TO COMPLY WITH OHIO EPA GENERAL PERMIT NO. OHC000004, THE CONTRACTOR SHALL CREATE A TEMPORARY SEDIMENT BASIN WITH SEDIMENT STORAGE VOLUME & DEWATERING CHARACTERISTICS COMPLYING WITH THE REFERENCED PERMIT & THE SEDIMENT BASIN & BASIN DEWATERING CALCULATION CHARTS SHOWN HEREIN. THE CHARTS & DEWATERING DEVICE SHOWN ON THESE DOCUMENTS ARE SPECIFIC TO THE DEPTH & DIMENSIONAL CHARACTERISTICS OF THE PERMANENT DETENTION BASIN AS DEPICTED ON THESE CONSTRUCTION DRAWINGS. IF THE CONTRACTOR ELECTS TO CONSTRUCT A DIFFERENT BASIN &/OR DEWATERING DEVICE, THEY SHALL SUBMIT DETAILED CALCULATIONS & DRAWINGS VERIFYING COMPLIANCE WITH THE REFERENCED PERMIT FOR THE ENGINEER'S REVIEW PRIOR TO CONSTRUCTION.

TEMPORARY SEDIMENT BASIN SKIMMER DEWATERING DEVICE & STANDPIPE 3
NOT TO SCALE



SECTION A

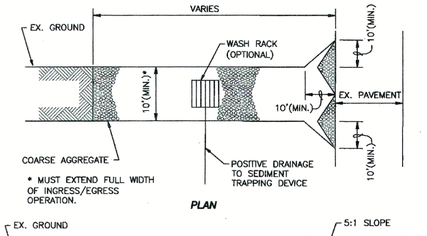
SIGN

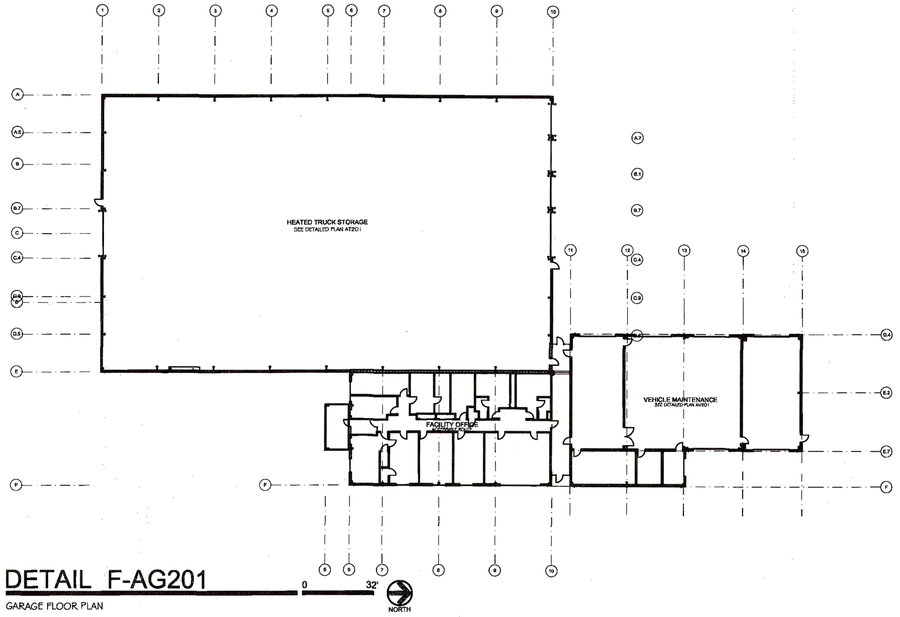
PLAN

STAPLE

NOTES:
- ACTUAL LOCATION & LAYOUT SHALL BE DETERMINED IN THE FIELD.
- PIT CAN BE DUG INTO THE GROUND OR FORMED ABOVE GRADE.
- PLASTIC LINING SHALL BE MAINTAINED FREE OF TEARS OR HOLES.
- AFTER THE PIT IS USED & WASHWATER HAS EVAPORATED OR BEEN VACUUMED OFF, THE REMAINING HARDENED SOLIDS CAN BE BROKEN UP & REMOVED FROM THE PIT.
- IF DAMAGE OCCURS TO THE STRAW BALES OR PLASTIC LINING DURING THE REMOVAL OF SOLIDS, THE PIT SHALL BE REPAIRED & RELINED WITH NEW PLASTIC TO ACHIEVE A LEAK-PROOF SYSTEM.
- A PRE-FABRICATED PORTABLE VINYL WASHOUT CONTAINER WITH FILTER BAG OR METAL WASHOUT CONTAINER SERVICE MAY BE USED AS SUBSTITUTES FOR THE STRAW BALE & PLASTIC LINER PIT.

CONCRETE WASHOUT AREA 4
NOT TO SCALE


VARIES
EX. GROUND
WASH RACK (OPTIONAL)
10'(MIN.)
10'(MIN.)
EX. PAVEMENT
10'(MIN.)
10'(MIN.)
COARSE AGGREGATE



DETAIL F-AG201

0 32'

GARAGE FLOOR PLAN

NORTH

ABBREVIATIONS

A	AMPERE
AB	ANCHOR BOLT
ABAN	ABANDON
AF1FE	ABOVE FINISHED FIRST FLOOR ELEVATION
AF2FE	ABOVE FINISHED SECOND FLOOR ELEVATION
AF3FE	ABOVE FINISHED THIRD FLOOR ELEVATION
AF4FE	ABOVE FINISHED FOURTH FLOOR ELEVATION
AFF	ABOVE FINISHED FLOOR
AFFE	ABOVE FIRST FLOOR ELEVATION
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
ASFE	ABOVE SECOND FLOOR ELEVATION
ATFE	ABOVE THIRD FLOOR ELEVATION
ATOF	ABOVE TOP OF FOOTING
AVE	AVENUE
AVG	AVERAGE
B/B	BACK TO BACK
BD	BOARD
BDRY	BOUNDARY
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCHMARK
BOS	BOTTOM OF STEEL
BRG	BEARING
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CFMF	COLD FORMED METAL FRAMING
CIP	CAST-IN-PLACE
CIR	CIRCLE
CIRC	CIRCULAR
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CP	CONTROL POINT
CTR	CENTER
C/L	CENTER LINE
DIA	DIAMETER
DS	DOWNSPOUT
DW	DRYWALL
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EXIST	EXISTING
EXP	EXPANSION
FA	FREE AREA
FE	FIRE EXTINGUISHER
FLR	FLOOR (FLOORING)
FND	FOUNDATION
FOM	FACE OF MASONRY
FOS	FACE OF STUD
GA	GYPSUM ASSOCIATION
GALV	GALVANIZED
GYP BD	GYPSUM WALL BOARD WATERPROOF
H	HIGH
HOR	HORIZONTAL
HORIZ	HORIZONTAL
IND	INDICATION
INT	INTERIOR
MBS	METAL BUILDING SYSTEM
MIN	MINIMUM
OBC	OHIO BUILDING CODE
O.C.	ON CENTER
OC	ON CENTER
PTD	PAINTED
R	RADIUS
PV	PIPE VENT
r	RETURN AIR DEVICE
RD	ROOF DRAIN
REINF	REINFORCING (REINFORCEMENT)
S	SUPPLY AIR DEVICE
SD	SMOKE DETECTOR
SIM	SIMILAR (OR SIMILAR TO)
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
TOS	TOP OF STEEL
TRTD	TREATED
TYP	TYPICAL
V	VERTICAL
VERT	VERTICAL
W/	WITH
WD	WOOD
WPTL	WOOD PRESERVATIVE TREATED LUMBER
WPROOF	WATERPROOF
WWF	WELDED WIRE FABRIC

DESIGNATIONS

SD S2 HL	SECTIONAL DOOR, STEEL 2", HIGH LIFT (08 36 13).
SD AL2 HL	SECTIONAL DOOR, ALUMINUM 2", HIGH LIFT (08 36 13).

SYMBOLS

EXAMPLE	EXPLANATION
	INDICATES APPROXIMATE OR REPRESENTATIVE LOCATION OF A VIEW LINE FOR A BUILDING SECTION, WALL SECTION, DETAIL, OR OTHER DRAWING. IN THIS EXAMPLE, THE VIEW IS IDENTIFIED AS VIEW "B" ON DRAWING SHEET A203.
(09 90 00) OR 09 90 00	INDICATES A SPECIFICATION SECTION NUMBER. REFER TO INDICATED SPECIFICATION FOR MORE DESCRIPTION OF REQUIREMENTS.
B-A203	INDICATES A DRAWING ON A SHEET OF THE DRAWINGS. REFER TO INDICATED DRAWING FOR MORE DESCRIPTION OF REQUIREMENTS. IN THIS EXAMPLE, DRAWING IS IDENTIFIED AS DRAWING "B" ON DRAWINGS SHEET A203.
A110A	DOOR NUMBER. INDENTIFIES A PARTICULAR DOOR. REFER TO PLANS, DOOR SCHEDULE, AND HARDWARE SCHEDULE FOR MORE DESCRIPTION OF REQUIREMENTS.
WA110A	WINDOW NUMBER. INDENTIFIES A PARTICULAR WINDOW. REFER TO PLANS AND WINDOW SCHEDULE FOR MORE DESCRIPTION OF REQUIREMENTS.
21	CODED NOTE. IDENTIFIES A CODED NOTE. REFER TO CODED NOTE LISTS ON THIS SHEET AND ON OTHER SHEETS OF THE ARCHITECTURAL DRAWINGS.
110	ROOM NUMBER. IDENTIFIES A PARTICULAR ROOM OR AREA. REFER TO PLANS AND ROOM FINISH SCHEDULE FOR MORE REQUIREMENTS.
8'-0"	DIMENSION LINE. DIMENSIONS CONSTRUCTION, REFERENCE POINTS, AND REFERENCE LINES. FOR CONSTRUCTION, AND UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO FACE OF CONCRETE, FACE OF MASONRY, FACE OF STEEL, OR FACE OF STUD.
LVR-A1	LOUVER NUMBER. IDENTIFIES A PARTICULAR LOUVER. REFER TO LOUVER SCHEDULE AND (08 90 00) FOR MORE REQUIREMENTS.

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

02 MBS PRIMARY FRAME LEAN TO (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

05 EAVE STRUT (13 34 19).

06 10" OPENING FRAMING (13 34 19).

07 8" OPENING FRAMING (13 34 19).

08 METAL WALL PANEL (07 42 13.13)

09 RIGID PORTAL FRAME (13 34 19).

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).

12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).

13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

14 R-13 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

15 6X6 MBS GUTTER (36 SQUARE INCHES). (13 34 19)

16 4X5 MBS DOWNSPOUT. (13 34 19).

17 SNOW GUARD (13 34 19).

18 BRIDGE CRANE RUNWAY BEAM (41 22 13).

19 SINGLE GIRDER UNDERHUNG BRIDGE CRANE WITH RUNWAY BEAMS AND RUNWAY BEAM SUPPORTING STRUCTURAL STEEL TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 3 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
BRIDGE GIRDER SPAN: 14'-0"
MAXIMUM DIMENSIONS: 4'-8"H X 16'-0"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

20 STANDING SEAM METAL ROOF PANEL ON WOOD ROOF SHEATHING (07 41 13.16). SEE 'S' DRAWINGS

21 MONORAIL CRANE AND TRACK WITH STRUCTURAL STEEL SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 1.5 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
MAXIMUM DIMENSIONS: 3'-6"H X 2'-6"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

22 4X4 GUTTER (16 SQUARE INCHES). (07 41 13.16)

23 MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

24 2-HR FIRE BARRIER. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW TO UNDERSIDE OF DECK ABOVE. COMPLY WITH UL DESIGN U905.

25 SERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GGSERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GG.

26 RECESSED FLOOR MAT, 5' X 7' (12 48 13)

27 WOOD SHELVING (06 20 23). (4) SHELVES 30" DEEP, 24", 42", 60", AND 78" AFF.

28 WOOD SHELVING AND CLOTHES ROD (06 20 23). CLOTHES ROD 57" AFF. (3) SHELVES 12" DEEP 60", 72", AND 84" AFF.

29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24", 36", 48", 60", AND 72" AFF.

30 RECESSED LIFT PIT. SEE 'S' DRAWINGS. COORDINATE DIMENSIONS WITH VERTICAL LIFT.

31 GUARD RAIL UNIT (11 11 00). 44"h X 10'L.

35 PLASTIC LAMINATE-FACED ARCHITECTURAL CABINETS STANDARD SIZED CUSTOM GRADE, FRAMELESS, FRONT INTERFACE STYLE WITH FLUSH OVERLAY. SOLID SURFACE COUNTER TOP. LAMINATE NEMA LD 3,GRADE. HORIZONTAL SURFACES: GRADE HGS, VERTICAL SURFACES: GRADE HGS, EDGES: GRADE HGS.

36 PHENOLIC CORE TOILET PARTITIONS - FLOOR-SUPPORTED AND OVERHEAD BRACED. URINAL SCREENS - WALL MOUNTED PANELS. 1-1/8" THICKNESS, CONCEALED HARDWARE

37 EXTENT OF BROUNFIELD MEMBRANE (07 26 23.19). SEE 'S' DRAWINGS.

38 POST FRAME WOOD SUPERSTRUCTURE (13 34 20). SEE 'S' DRAWINGS.

39 DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

41 3X4 DOWNSPOUT. (07 41 13.16).

42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW TO UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW TO UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

43 UNRATED 12" CMU PARTITION TO 12'-0" AFF. 12" CMU WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

44 UNRATED 8" CMU PARTITION. 8" CMU FROM FLOOR BELOW TO UNDERSIDE OF PURLINS ABOVE WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA 16" OC FROM FLOOR BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION.

46 WIRE MESH PARTITION (10 22 23). 7' H SLIDING DOOR WITH DOOR HARDWARE. ANCHOR TO FLOOR BELOW AND ROOF PURLINS ABOVE.

47 GROUP OF (4) 21"W X 24"D X 72"H SINGLE TIER METAL LOCKERS (10 21 13).

48 1-1/2" PIPE RAILING 8' LONG 36" AFF (05 50 00). PROVIDE 1-1/2" PIPE POSTS 4' OC AND 1-1/2" PIPE EDGE PROTECTION 4" AFF. COMPLY WITH ICC 117.1 FIG 405.9.2 B, FIG 505.10.1 SET IN FLOOR SLEEVES.

49 1-1/2" PIPE RAILING 8' LONG 36" AFF (05 50 00). MOUNTED TO WALL.

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2X2X6' (AND 3') GRADE A (SINGLE POUR) UNITS.

52 FRP COLUMN COVER. COVER MBS MAIN FRAME AND END WALL COLUMNS WITH FRP PANELS ON 3-5/8" STEEL STUDS 16" OC SUPPORTED FROM FRAME 5' OC. (09 77 00)(09 22 16)

53 MATERIAL FILL STRIPE. 12" HIGH HIGH-PERFORMANCE COATING STRIPE WITH BOTTOM 4' FROM TOP OF WALL. PAINT MPI-72 - PIGMENTED, ALIPHATIC, POLYURETHANE ENAMEL.

THOMAS & MARKS CONSTRUCTION
Renaissance Design Inc.
RDI

STATE OF OHIO
THOMAS L CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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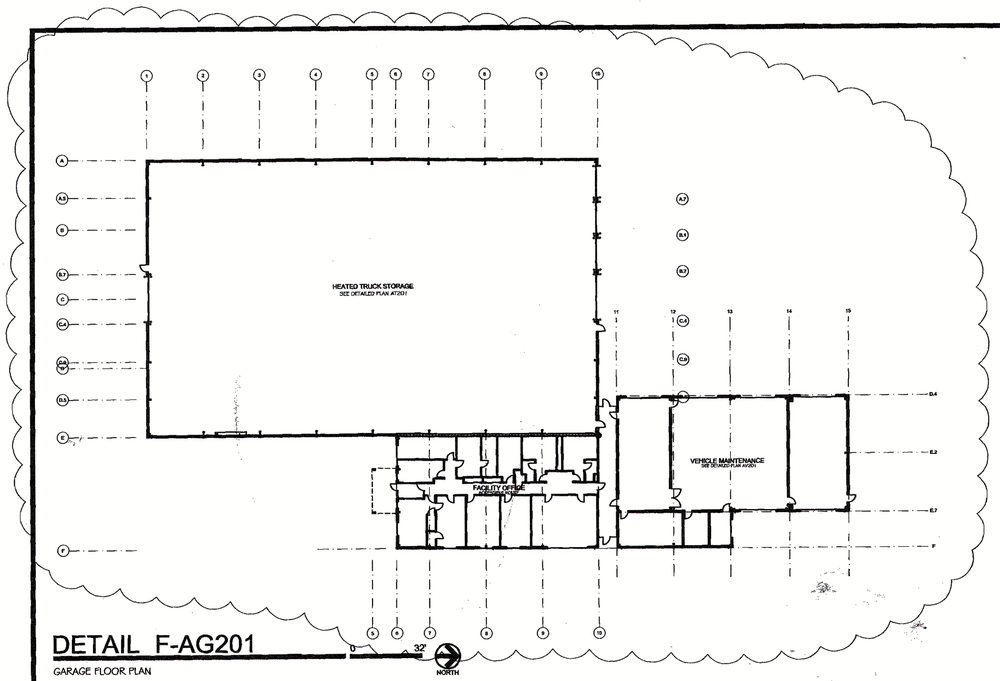
A001

ARCHITECTURAL COVER SHEET

INSIDE OF BUILDING
EAVE STRUT
EAVE GIRT
BARRIER WALL MEMBER
BARRIER ANGLE TRIM
SPACING VARIES AND SILLS
FASTENERS TYP.
INTERMEDIATE GIRTS
OUTSIDE OF BUILDING
NOTES:
1. SEE WALL PANEL SIDELAP
WALL PANEL FASTENER INSTALLATION AND SPACING
AP01
2
INSIDE OF BUILDING
GIRT LINE
WALL PANEL SIDE LAP
FASTENERS 1'-6" O/C ALONG WALL PANEL SIDE LAP
OUTSIDE OF BUILDING
WALL PANEL SIDE LAP
AP02
1
STEEL REFERENCE LINE
WALL PANEL
CORNER FILLER FLASHING (OPTIONAL)
FASTENERS 2'-0" O/C
CORNER FLASHING (OPTIONAL)
WALL PANEL
SHEETING DIRECTION
NOTES:
1. 12" Ø MAJOR RIB ALIGNS WITH STEEL REFERENCE LINE.
CORNER FLASHING
AP03
2
NOTES
1. THE MAX. DISTANCE FROM INSIDE CORNER TO 12" Ø RIB IS 1'-0
STEEL REFERENCE LINE
CORNER FILLER FLASHING (OPT.)
1'-0 MAX.
WALL PANEL
INSIDE CORNER FLASHING (OPT.)
FASTENERS 2'-0" O/C
WALL PANEL
STEEL REFERENCE LINE
INSIDE CORNER FLASHING WALL PANEL
AP04
1



DETAIL F-AG201

GARAGE FLOOR PLAN

ABBREVIATIONS

A	AMPERE
AB	ANCHOR BOLT
ABAN	ABANDON
AF1FE	ABOVE FINISHED FIRST FLOOR ELEVATION
AF2FE	ABOVE FINISHED SECOND FLOOR ELEVATION
AF3FE	ABOVE FINISHED THIRD FLOOR ELEVATION
AF4FE	ABOVE FINISHED FOURTH FLOOR ELEVATION
AFF	ABOVE FINISHED FLOOR
AFFE	ABOVE FIRST FLOOR ELEVATION
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
ASFE	ABOVE SECOND FLOOR ELEVATION
ATFE	ABOVE THIRD FLOOR ELEVATION
ATOF	ABOVE TOP OF FOOTING
AVE	AVENUE
AVG	AVERAGE
B/B	BACK TO BACK
BD	BOARD
BDRY	BOUNDARY
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCHMARK
BOS	BOTTOM OF STEEL
BRG	BEARING
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CFMF	COLD FORMED METAL FRAMING
CIP	CAST-IN-PLACE
CIR	CIRCLE
CIRC	CIRCULAR
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CP	CONTROL POINT
CTR	CENTER
CL	CENTER LINE
DIA	DIAMETER
DS	DOWNSPOUT
DW	DRYWALL
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EXIST	EXISTING
EXP	EXPANSION
FA	FREE AREA
FE	FIRE EXTINGUISHER
FLR	FLOOR (FLOORING)
FND	FOUNDATION
FOM	FACE OF MASONRY
FOS	FACE OF STUD
GA	GYPSUM ASSOCIATION
GALV	GALVANIZED
GYP BD	GYPSUM WALL BOARD WATERPROOF
H	HIGH
HOR	HORIZONTAL
HORIZ	HORIZONTAL
IND	INDICATION
INT	INTERIOR
MBS	METAL BUILDING SYSTEM
MIN	MINIMUM
OBC	OHIO BUILDING CODE
O.C.	ON CENTER
OC	ON CENTER
PTD	PAINTED
R	RADIUS
PV	PIPE VENT
r	RETURN AIR DEVICE
RD	ROOF DRAIN
REINF	REINFORCING (REINFORCEMENT)
S	SUPPLY AIR DEVICE
SD	SMOKE DETECTOR
SIM	SIMILAR (OR SIMILAR TO)
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
TOS	TOP OF STEEL
TRTD	TREATED
TYP	TYPICAL
V	VERTICAL
VERT	VERTICAL
W/	WITH
WD	WOOD
WPTL	WOOD PRESERVATIVE TREATED LUMBER
WPROOF	WATERPROOF
WWF	WELDED WIRE FABRIC

SYMBOLS

EXAMPLE	EXPLANATION
	INDICATES APPROXIMATE OR REPRESENTATIVE LOCATION OF A VIEW LINE FOR A BUILDING SECTION, WALL SECTION, DETAIL, OR OTHER DRAWING. IN THIS EXAMPLE, THE VIEW IS IDENTIFIED AS VIEW 'B' ON DRAWING SHEET A203.
(09 90 00) OR 09 90 00	INDICATES A SPECIFICATION SECTION NUMBER. REFER TO INDICATED SPECIFICATION FOR MORE DESCRIPTION OF REQUIREMENTS.
B-A203	INDICATES A DRAWING ON A SHEET OF THE DRAWINGS. REFER TO INDICATED DRAWING FOR MORE DESCRIPTION OF REQUIREMENTS. IN THIS EXAMPLE, DRAWING IS IDENTIFIED AS DRAWING 'B' ON DRAWINGS SHEET A203.
A110A	DOOR NUMBER. INDENTIFIES A PARTICULAR DOOR. REFER TO PLANS, DOOR SCHEDULE, AND HARDWARE SCHEDULE FOR MORE DESCRIPTION OF REQUIREMENTS.
WA110A	WINDOW NUMBER. INDENTIFIES A PARTICULAR WINDOW. REFER TO PLANS AND WINDOW SCHEDULE FOR MORE DESCRIPTION OF REQUIREMENTS.
21	CODED NOTE. IDENTIFIES A CODED NOTE. REFER TO CODED NOTE LISTS ON THIS SHEET AND ON OTHER SHEETS OF THE ARCHITECTURAL DRAWINGS.
110	ROOM NUMBER. IDENTIFIES A PARTICULAR ROOM OR AREA. REFER TO PLANS AND ROOF FINISH SCHEDULE FOR MORE REQUIREMENTS.
8'-0"	DIMENSION LINE. DIMENSIONS CONSTRUCTION, REFERENCE POINTS, AND REFERENCE LINES. FOR CONSTRUCTION, AND UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO FACE OF CONCRETE, FACE OF MASONRY, FACE OF STEEL, OR FACE OF STUD.
LVR-A1	LOUVER NUMBER. IDENTIFIES A PARTICULAR LOUVER. REFER TO LOUVER SCHEDULE AND (08 90 00) FOR MORE REQUIREMENTS.

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

02 MBS PRIMARY FRAME LEAN TO (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

05 EAVE STRUT (13 34 19).

06 10" OPENING FRAMING (13 34 19).

07 8" OPENING FRAMING (13 34 19).

08 CANTILEVERED MBS CANOPY. TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANELS ON PURLINS AND EAVE STRUT, ON CANOPY FRAMING. PROVIDE FLASHING TO WALL, GABLE TRIM, EAVE TRIM, GUTTER, AND DOWNSPOUT. (13 34 19)

09 RIGID PORTAL FRAME (13 34 19).

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).

12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).

13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

14 R-13 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

15 4X5 MBS GUTTER (20 SQUARE INCHES). (13 34 19)

16 4X5 MBS DOWNSPOUT. (13 34 19).

17 SNOW GUARD (13 34 19).

18 BRIDGE CRANE RUNWAY BEAM (41 22 13).

19 SINGLE GIRDER UNDERHUNG BRIDGE CRANE WITH RUNWAY BEAMS AND RUNWAY BEAM SUPPORTING STRUCTURAL STEEL TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 3 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
BRIDGE GIRDER SPAN: 14'-0"
MAXIMUM DIMENSIONS: 4'-8"H X 16'-0"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

20 NOT USED

21 MONORAIL CRANE AND TRACK WITH STRUCTURAL STEEL SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 1.5 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
MAXIMUM DIMENSIONS: 3'-6"H X 2'-6"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

22 NOT USED

23 MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

24 2-HR FIRE BARRIER. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW TO UNDERSIDE OF DECK ABOVE. COMPLY WITH UL DESIGN U905.

THOMAS & MARKER CONSTRUCTION
Renovate Design, Inc.
RDI

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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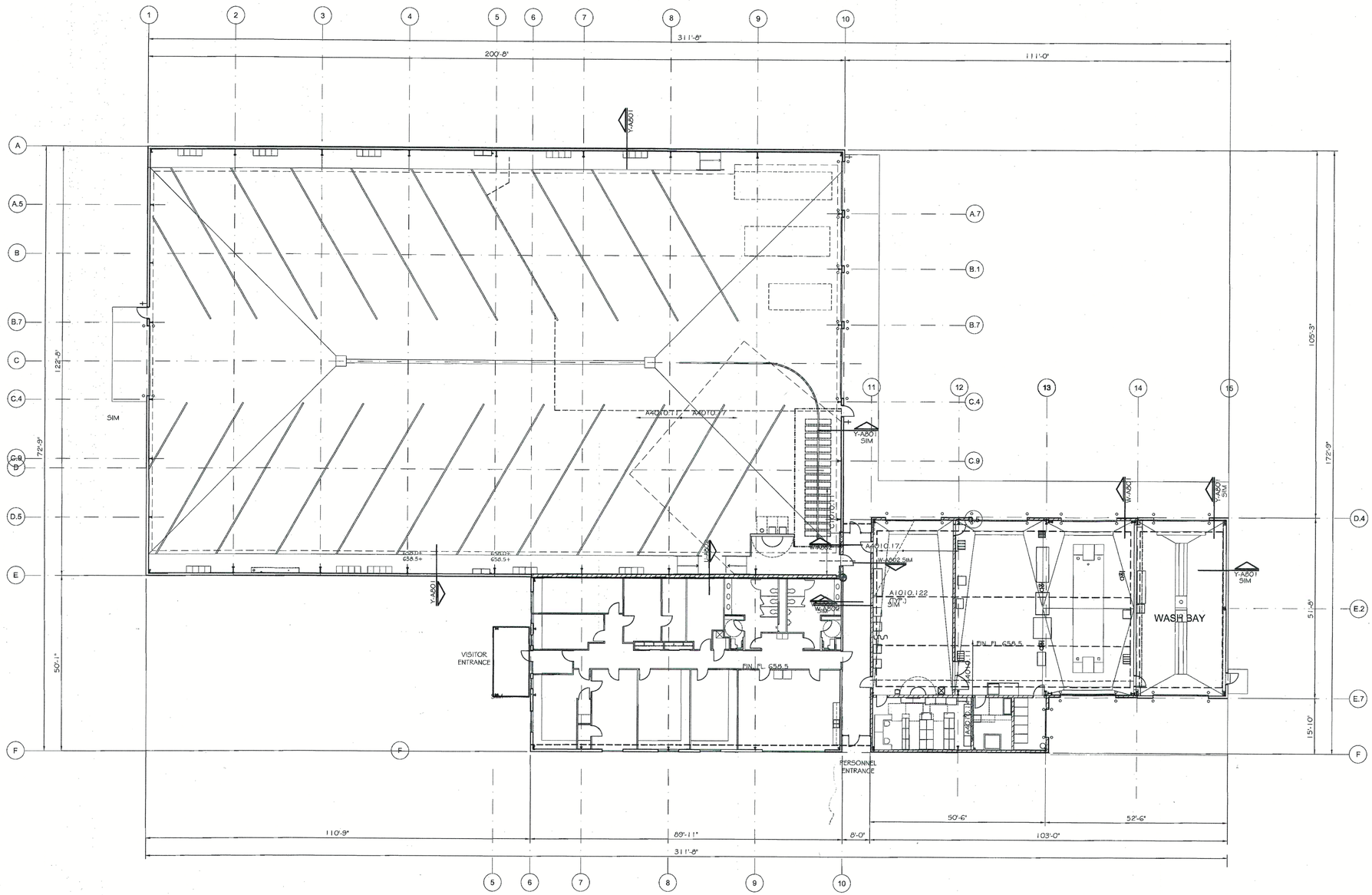
A001

ARCHITECTURAL COVER SHEET

CODED NOTES

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

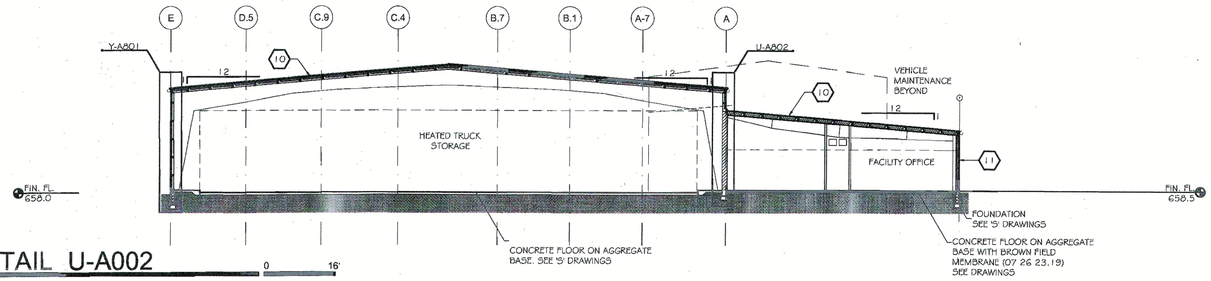
11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).



DETAIL P-A002

0 16'

FLOOR PLAN GARAGE BUILDING



DETAIL U-A002

0 16'

TRANSVERSE SECTION GARAGE BUILDING

For Bollards, See RFI 10

THOMAS & MARKER CONSTRUCTION

Residences Design, Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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A002

GARAGE REFERENCE PLAN

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	ASI-019 REVISED: 22 SEPT 2014
		Date of Issue:	9/17/2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Solid Surface Counters in Offices - This ASI is in response to direction about counter height in offices from OFCC for Columbiana to accommodate file cabinets.

Change Sheet A501 Revised August 27, 2014 to *Sheet A501 Revised September 17, 2014*.

- Install solid surface counters at 32" from Finished Floor to top of counter and 30" clear from Finished
- Floor to under face of counter and edge of counter. See Detail S-A501.
- Install 2" backsplash. See Detail S-A501.

Review this ASI with ODOT for final approval.

This ASI does not apply to restroom counters.

Attachments: Sheet A-501 Revised September 17, 2014

Issued by

9/17/2014

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	ASI-017
		Date of Issue:	September 9, 2014 REVISED: Sept 22, 2014 26 Sept 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Revise Color Schedule - Section 01 61 10. Revisions are in Blue Italicized text.

Attachments: Color Schedule Section 01 61 10 Revised September 9, 2014.

Issued by

September 9, 2014

Renouveau Design, Inc. Thomas I. Converse Date

BULLETIN

Project:	DOT-130006 **ATHENS FULL SERVICE MAINTENANCE FACILITY**	Bulletin No.:	**001**
		Date of Issue:	July 22, 2014
Owner:	Ohio Department of Transportation	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker	Contract For:	Design-Build Contract
Contract Dated:		Architects' Project No.:	13301

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

Garage Correction Letter 2 Revisions

Change Sheet A501 Revised June 2, 2014 to Sheet A501 Revised June 25, 2014
Detail A-A501 - Revised cabinet dimensions to be accessible. Reduced height and width of base.
Detail F-A501 - Added dimensions locating lavatories and setting counter height. (Counter support still being evaluated).
Detail G-A501 - Added dimensions locating lavatories and setting counter height. (Counter support still being evaluated).
Detail K-A501 - Added toilet partition dimensions
Detail L-A501 - Added toilet partition dimensions
Detail P-A501 - Revised to conform to ICC 117.1
Detail Q-A501 - Revised to conform to ICC 117.1
Detail U-A501 - Revised to conform to ICC 117.1. Added TA-1.
Detail V-A501 - Revised to conform to ICC 117.1. Added TA-1.
Detail W-A501 - Revised to conform to ICC 117.1. Added TA-17.
Detail R-A501 - Added detail conforming to ICC 117.1. Narrowed counter. (Counter support still being evaluated.)

Change Sheet AO201 Revised June 2, 2014 to Sheet AO201 Revised June 25, 2014
Detail K-AO201 - Revised partitions at OMF09 (see Door OMF09A).
Revised dimensions of shower rooms and door locations.
Dimensioned locations of plumbing fixtures in toilet rooms.
Added locations of Fire Extinguisher Cabinets (and extinguishers)
Added Restroom Signs and Accessible (Tactile) Exit Signs.

Change Sheet AV201 Revised June 2, 2014 to Sheet AV201 Revised June 25, 2014
Detail K-AO201 - Added locations of Fire Extinguishers.

Change Sheet AT201 dated May 16, 2014 to Sheet AT201 Revised June 25, 2014
Added locations of Fire Extinguishers.

Change Sheet A511 Revised 6/2/2014 to Sheet A511 Revised 7/22/2014
Door Schedule Door OMF09A – Changed Hardware Set to C09.

Change 08 71 00 – Door Hardware to 07 81 00 – Door Hardware Revised 6/25/2014
Added Exit Devices (See hardware set C09 added to hardware schedule)

Change 08 71 00 – Door Hardware Schedule to 07 81 00 – Door Hardware Schedule Revised 6/25/2014
Added Hardware Set No. C09.

Attachments:
Sheet A501 Revised June 25, 2014
Sheet AO201 Revised June 25, 2014
Sheet AV201 Revised June 25, 2014
Sheet AT201 Revised June 25, 2014
Sheet A511 Revised 7/22/2014
07 81 00 – Door Hardware Revised 6/25/2014
07 81 00 – Door Hardware Revised 6/25/2014

Submitted

Renouveau Design, Inc. Thomas I. Converse July 22, 2014 Date

From: Jeanie Spiker <jspiker@rdicolumbus.com>
Date: November 10, 2014 at 2:41:47 PM EST
To: 'T Andry' <tandry@thomas-marker.com>
Cc: <shawn.flannery@dot.state.oh.us>, Rich Oster <rich.oster@dot.state.oh.us>
Subject: FW: Painting
Reply-To: <jspiker@rdicolumbus.com>

Tom,

I received verbal approval from Shawn Flannery for the colors chosen below.
Shawn – you don't need to send written approval.

Thanks.
Jeanie

-----Original Message-----
From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Friday, November 07, 2014 1:30 PM
To: Tom Converse; Greg Topp
Cc: drew@americanstarcoatings.com; Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: Painting

Need answer on the following:

1. Exterior gas riser at VM bldg . Assume Match green and tan siding
2. Exposed gas at Generator? What color? -Match generator color.
3. Fluid lines in VM bldg, do these get painted and what color? SW7007 – Ceiling Bright White
4. Do we paint the fire protection riser white in TS bldg? SW7007 – Ceiling Bright White
5. Do we paint the domestic water riser white in TS bldg? SW7007 – Ceiling Bright White
7. At the front canopy the exposed steel columns what color? Match Green Metal Wall Panels

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P): 614.754.8349
(F): 614.824.1605
(C): 937.407.5229
Athens ODOT Full Service Facility

DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
Ohio Department of Transportation

Revised September 9, 2014

EXTERIOR

Garage			
Metal Roof Panels	Coated Galvalume	Gulf States	Warm White
Eave Trims	Coated Galvalume	Gulf States	Warm White
Gable Trims	Coated Galvalume	Gulf States	Warm White
Gutters	Coated Galvalume	Gulf States	Warm White
Downspouts	Coated Galvalume	Gulf States	Surrey Beige
Metal Panel Entrance Canopy	Coated Galvalume	Gulf States	Evergreen
Metal Wall Panels	Coated Galvalume	Gulf States	
Color 1	Coated Galvalume	Gulf States	Surrey Beige
Color 2	Coated Galvalume	Gulf States	Evergreen
Corner Trims	Coated Galvalume	Gulf States	
Color 1	Coated Galvalume	Gulf States	Surrey Beige
Color 2	Coated Galvalume	Gulf States	Evergreen
Opening Trims	Coated Galvalume	Gulf States	Surrey Beige
Overhead Garage Doors	*Prefinished*	*Graf & Son*	*White Textured*
HM Doors and Frames	*Painted Garden*	*Sherwin Williams*	*SW6195 Rock*
Aluminum Entrances & Storefronts	*Aluminum coated Permafluor*	*Kawneer*	*Hartford Green*
Aluminum Windows	*Aluminum coated Permafluor*	*Kawneer*	*Hartford Green*
Ceiling Liner Panels	Coated Galvalume	Gulf States	Regal White
Wall Liner Panels	Coated Galvalume	Gulf States	Regal White
Exterior Louvers	*L-1 to L-12*	*Arrow United Industries*	*Sierra Tan*
Exterior Exhaust Fans	*EF-11 and EF-12*	*PennBarry*	*#56 Dove Gray*
Metal Lockers	*Baked Enamel Finish*	*Republic*	*#52 Canyon*
Cold Storage *Metal Roof Panels*	*Coated Galvalume*	*MBCI*	*SR.63 Almond*
Cold Storage *Metal Wall Panels*			
Color 1	*Coated Galvalume*	*MBCI*	*SR 47 Brownstone*
Color 2	*Coated Galvalume*	*MBCI*	*SR.28 Classic Green*

INTERIOR
OFFICE

Floor	*Hybrl-Flex EC*	*Dur-A-Flex*	*Delta Green*
Base	*Resilient Wall Base*	*Johnsonite*	*09 Clay WB*
Walls	*Painted*	*Sherwin Williams*	*SW7011 Natural Choice*
Doors and Frames	*Painted*	*Sherwin Williams*	*SW 7039 Virtual Taupe*
Counter in Designated Offices	*Solid Surface*	*Corian*	*Savannah*

Vestibule

Floor	*Hybri-Flex EC*	*Dur-A-Flex*	*Delta Green*
Base	*Resilient Wall Base*	*Johnsonite*	*09 Clay WB*
Walls	*Painted*	*Sherwin Williams*	*SW7011 Natural Choice*
Doors and Frames	*Aluminum-coated Permafluor*	*Kawneer*	*Hartford Green*
Roll-up Mat	*Aluminum w/ carpet insert*	*RC Musson*	*515 Harbor Brown*

Restrooms

Floor	*Hybri-Flex EC*	*Dur-A-Flex*	*Delta Green*
Base	*Hybri-Flex EC*	*Dur-A-Flex*	*Delta Green*
Walls	*Ceramic Tile to 7'-0"*	*American Olean*	*2x2 Willow A91 (1)*
	Painted above 7'-0"	*Sherwin Williams*	*SW7011 Natural Choice*
Walls	*Ceramic Tile Grout*	*MAPEI*	*39 Ivory*
Doors and Frames	*Painted*	*Sherwin Williams*	*SW 7039 Virtual Taupe*
Toilet Partitions	*Factory Finished*	*Bobrick*	*4674-60 Evening Tigris*
Urinal Screens (Men Only)	*Factory Finished*	*Bobrick*	*4674-60 Evening Tigris*
Counter	*Solid Surface*	*Corian*	*Moss*

Break Room

Floor	*Hybri-Flex EC*	*Dur-A-Flex*	*Delta Green*
Base	*Resilient Wall Base*	*Johnsonite*	*09 Clay WB*
Walls	*Painted*	*Sherwin Williams*	*SW6103 Natural Choice*
Doors and Frames	*Painted*	*Sherwin Williams*	*SW 7039 Virtual Taupe*
Counter	*Solid Surface*	*Corian*	*Moss*
Cabinets	*Laminate*	*Formica*	*303-58 Antique White Oxide*
Display Case	*Factory-Finished Case*	*Claridge*	*RAL 1015 Light Ivory*
	Cork Bulletin Board		*# 1100 Tan*

Window Treatment

Horizontal Blinds	To Be Selected		

END OF COLOR SCHEDULE

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	ASI-026
		Date of Issue:	October 10, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
Parts Room and Mechanics Office Ceiling Height

Change Sheet A501 Revised October 1, 2014 to *Sheet A501 Revised October 10, 2014*

Add to Room Finish Schedule; OMF-015 Parts Room/Mechanics Office, Ceiling Height 9-feet-0-inches.

Attachments: Sheet A501 Revised October 10, 2014

Issued by

October 10, 2014

Renouveau Design, Inc. Michael Day Date

Hannahs, Joe

From: Oster, Rich <Rich.Oster@dot.state.oh.us>
Sent: Wednesday, July 02, 2014 1:59 PM
To: Hannahs, Joe; Bah, Sulaiman
Cc: Downey, Michael; Duncan, Randy; Andry, Tom
Subject: RE: DOT-130006 Dur-A-Flex Floor System

Joe,
Please plan on installing Dur-A-Flex on all floors in the office building with the exception of the electrical, mechanical ad radio rooms. The maintenance area, truck storage area, and corridor between the office and maintenance areas will b sealed concrete.

Thank you,

Rich Oster, FMP
Facilities Program Administrator
Ohio Department of Transportation
District 10
740-568-3924 – office
740-516-8465 - cell

From: Hannahs, Joe [mailto:jhannahs@thomas-marker.com]
Sent: Wednesday, July 02, 2014 1:44 PM
To: Bah, Sulaiman; Oster, Rich
Cc: Downey, Michael; Duncan, Randy; Andry, Tom
Subject: DOT-130006 Dur-A-Flex Floor System

Sulamian & Rich,

I just spoke with Mark Zimmer wit Continental Commercial Floors regarding the Dur-A-Flex floor system request. We are trying to get you a formal quote for you, but need clarification in the areas that you would like this in lieu of sealed concrete. I believe last time we spoke it was just the office area, but wanted to confirm.

Thank you,

Joe Hannahs, LEED AP BD+C
Project Manager
BELLEFONTAINE | COLUMBUS
(P) 614.754.8349 | (F) 614.824.1605 | (C) 740.334.2775
www.thomas-marker.com

ROOM FINISH SCHEDULE ATHENS

MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR: 03 30 00 SEALED CONCRETE	FLOOR: 09 67 23 RESINOUS FLOORING	FLOOR: RECESSED WALKOFF MAT	BASE: 06 11 13 RESILIENT WALL BASE	BASE: 09 67 23 COVED RESINOUS FLOORING	BASE: NONE	WALLS: 04 22 00 SEALED CONCRETE BLOCK	WALLS: 04 22 00 CONCRETE BLOCK - LOCK BLOCK	WALLS: 04 22 00 CONCRETE BLOCK, SOUNDWALL	WALLS: 13 34 19 METAL LINER PANEL - WALL	WALLS: 09 30 00 CERAMIC TILE - TO 7'-0"	WALLS: 09 91 23 PAINTED GWB	WALLS: 09 91 23 PAINTED GWB - EPOXY	WALLS: 09 96 00 PAINTED CMU	WALLS: 09 77 00 FRP PANELS	WALLS: EXPOSED STRUCTURE	CEILING: 09 77 00 SUSPENDED FRP PANELS	CEILING: 13 34 19 METAL LINER PANEL - CEILING	CEILING: 09 91 23 PAINTED SUSPENDED GWB - LATEX	CEILING: 09 91 23 PAINTED SUSPENDED GWB - EPOXY	CEILING: 09 51 13 ACOUSTICAL PANEL CEILING	CEILING: 09 96 00 EXPOSED STRUCTURE - PAINTED	CEILING: EXPOSED STRUCTURE	HT.	REMARKS
OMF 01	COUNTY MANAGER OFFICE					●		●								●									●			9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF					●		●								●									●			9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR					●		●								●									●			9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR					●		●								●									●			9' - 0"	
OMF 05	TIMEKEEPER OFFICE					●		●								●									●			9' - 0"	
OMF 06	BREAKROOM					●		●								●									●			9' - 0"	
OMF 07	WOMENS RESTROOM					●			●						●		●							●				9' - 0"	
OMF 08	MENS RESTROOM					●			●						●		●							●				9' - 0"	
OMF 09	ELECTRICAL ROOM					●		●								●									●			9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM					●		●								●									●			9' - 0"	
OMF 11	RADIO ROOM					●		●								●									●			9' - 0"	
OMF12.1	WELDING BAY				●				●			●	●					●								●				
OMF12.2	LIGHT TRUCK MAINTENANCE				●				●			●	●					●								●				
OMF12.3	HEAVY TRUCK MAINTENANCE				●				●			●	●					●								●				
OMF 13	POL				●				●			●	●					●							●				14' - 0"	
OMF 14	COMPRESSOR ROOM				●				●			●	●					●							●				13' - 0"	
OMF 15	PART ROOM / MECHANICS OF				●			●				●	●					●				●				●			9' - 0"	ASI-026
OMF 16	WASH BAY				●				●				●					●		●		●							22' - 0"	
OMF 17	INCLUDED IN OMF 014																												
OMF 18	JANITOR CLOSET					●			●							●							●					9' - 0"	
OMF 19	INCLUDED IN OMF 006																												
OMF20.1	STORAGE ROOM IN OMF 001					●		●								●							●					8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001					●		●								●							●					8' - 0"	
OMF21.1	CLOSET					●		●								●							●					8' - 0"	
OMF21.2	CLOSET					●		●								●							●					8' - 0"	
OMF 22	VESTIBULE					●	●	●								●									●			9' - 0"	
OMF 23	OFFICE CORRIDOR					●		●								●									●			9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR				●		●	●				●	●			●									●			9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE					●		●								●									●			9' - 0"	
TS 01	TRUCK STORAGE				●				●			●	●					●				●				●				
CS 01	COLD STORAGE				●				●											●						●			
CS 02	COLD STORAGE				●				●											●						●			
CS 03	COLD STORAGE				●				●											●						●			
CS 04	COLD STORAGE				●				●											●						●			
CS 05	COLD STORAGE				●				●											●						●			
CS 06	COLD STORAGE				●				●											●						●			
CS 07	COLD STORAGE				●				●											●						●			
MS 01	MATERIAL STORAGE				●				●		●									●						●			
MS 02	MATERIAL STORAGE				●				●		●									●						●			
MS 03	MATERIAL STORAGE				●				●		●									●						●			
MS 04	MATERIAL STORAGE				●				●		●									●						●			
SS 01	SALT STORAGE				●				●											●						●			

FOR OFFICE FLOOR FINISH, SEE EMAIL H/RICH OSTER FROM ODOT ON 02 JUL

COLOR SCHEDULE SEE ASI-0128

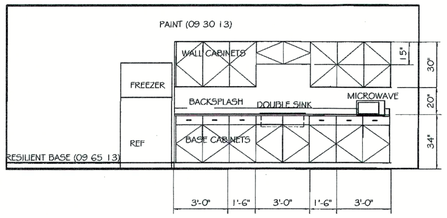
ASI-026

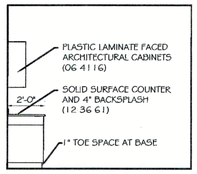
CODED NOTES

DESIGNATIONS

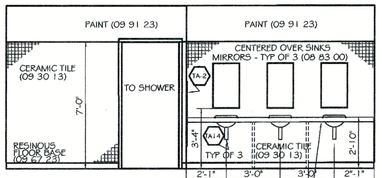
TOILET ACCESSORIES

- TA-2 COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE STAINLESS STEEL (10 28 00).
- TA-3 TOILET TISSUE DISPENSER - 2 ROLL STAINLESS STEEL (10 28 00).
- TA-4 SANITARY NAPKIN DISPOSAL UNIT STAINLESS STEEL (10 28 00).
- TA-5 TOILET SEAT COVER DISPENSER STAINLESS STEEL(10 28 00).
- TA-6 GRAB BAR STAINLESS STEEL(10 28 00).
- TA-7 GRAB BAR STAINLESS STEEL(10 28 00).
- TA-8 GRAB BAR STAINLESS STEEL(10 28 00).
- TA-9 SHOWER CURTAIN ROD FOR ACCESSIBLE SHOWER (10 28 00).
- TA-10 CLOTHES AND ACCESSORIES HOOK STAINLESS STEEL(10 28 00).
- TA-1 FOLDING SHOWER SEAT STAINLESS STEEL (10 28 00).
- TA-12 TOWEL BAR TUBULAR STAINLESS STEEL (10 28 00).
- TA-13 SHOWER SOAP DISH STAINLESS STEEL (10 28 00).
- TA-14 UNDERLAVATORY INSULATING GUARD (10 28 00).
- TA-15 UTILITY SHELF 16X6 STAINLESS STEEL (10 28 00).
- TA-16 MOP AND BROOM HOLDER 36 WITH 3 HOOKS STAINLESS STEEL (10 28 00).
- TA-17 18" GRAB BAR STAINLESS STEEL (10 28 00).



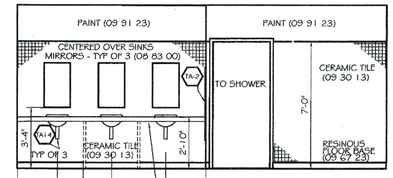


DETAIL A-A501
0 4'
OMF 06 NORTH ELEVATION AND CABINET PROFILE



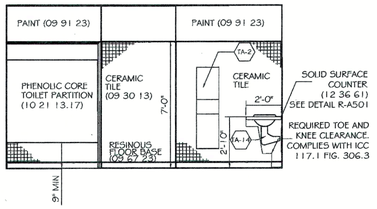
SOLID SURFACE COUNTER (12 36 61) WITH COUNTER SUPPORTS CENTERED BETWEEN LAVATORIES SEE DETAIL R-A501

DETAIL F-A501
0 4'
OMF 07 SOUTH ELEVATION

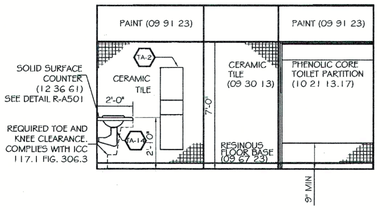


SOLID SURFACE COUNTER (12 36 61) WITH COUNTER SUPPORTS CENTERED BETWEEN LAVATORIES SEE DETAIL R-A501

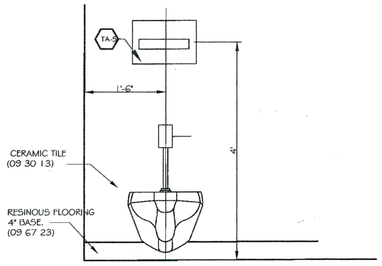
DETAIL G-A501
0 4'
OMF 08 NORTH ELEVATION



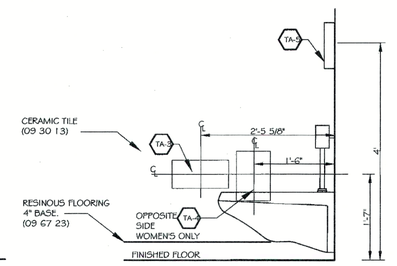
DETAIL K-A501
0 4'
OMF 07 EAST ELEVATION



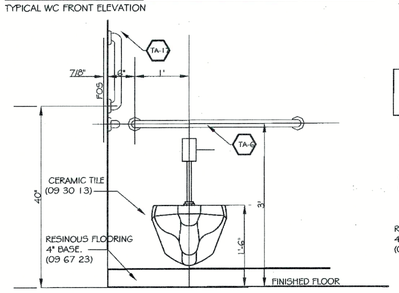
DETAIL L-A501
0 4'
OMF 08 EAST ELEVATION



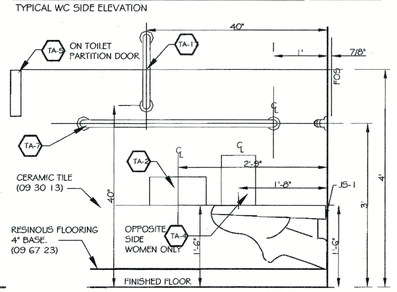
DETAIL P-A501
0 1'-4"
TYPICAL WC FRONT ELEVATION



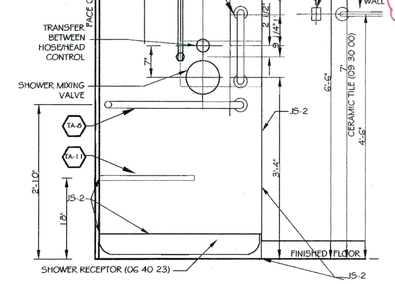
DETAIL Q-A501
0 1'-4"
TYPICAL WC SIDE ELEVATION



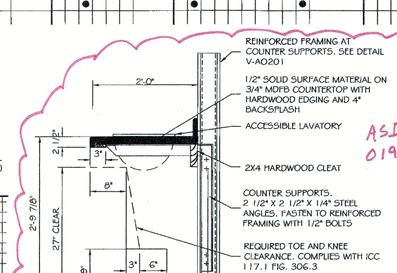
DETAIL U-A501
0 1'-4"
TYPICAL ACCESSIBLE WC FRONT ELEVATION



DETAIL V-A501
0 1'-4"
TYPICAL ACCESSIBLE WC SIDE ELEVATION

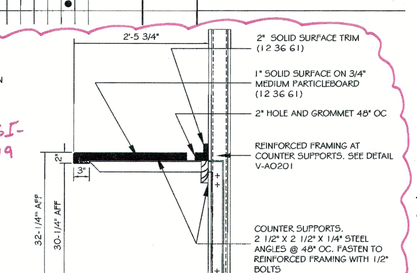


DETAIL W-A501
0 1'-4"
OFM 8 ACCESSIBLE SHOWER CONTROL WALL, OFM 7 SHOWER MIRROR IMAGE

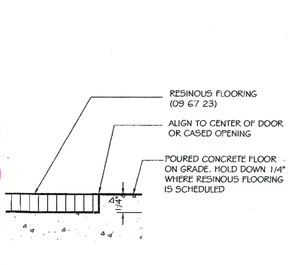


ASI-019

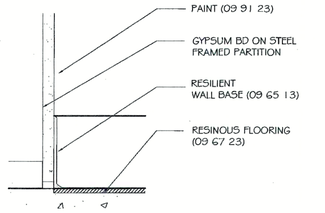
DETAIL R-A501
0 1'-4"
SECTION OF LAVATORY COUNTER IN TOILET ROOMS



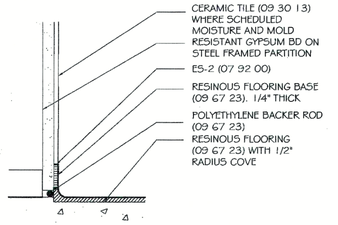
DETAIL S-A501
0 1'-4"
TYPICAL OFFICE COUNTER DESK SECTION



DETAIL T-A501
0 1"
RESINOUS FLOORING TRANSITION



DETAIL X-A501
0 4"
FLOORING BASE AT TYPICAL OFFICE WALL



DETAIL Y-A501
0 4"
RESINOUS FLOORING BASE AT CERAMIC TILE WALL

THOMAS & MARKER CONSTRUCTION
Resource Design, Inc.
RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 25, 2014
AUGUST 27, 2014
SEPTEMBER 17, 2014
SEPTEMBER 22, 2014
OCTOBER 1, 2014
OCTOBER 10, 2014

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A501

ROOM FINISH SCHEDULE
INTERIOR ELEVATIONS

ROOM FINISH SCHEDULE ATHENS

MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR						BASE				WALLS								CEILING						HT.	REMARKS
					03 30 00 SEALED CONCRETE	09 67 23 RESINOUS FLOORING	RECESSED WALKOFF MAT				06 11 13 RESILIENT WALL BASE	09 67 23 COVED RESINOUS FLOORING	NONE		04 22 00 SEALED CONCRETE BLOCK	04 22 00 CONCRETE BLOCK - SOUND WALL	13 34 19 METAL LINER PANEL - WALL	09 30 00 CERAMIC TILE - TO 7'-0"	09 91 23 PAINTED GWB	09 91 23 PAINTED GWB - EPOXY	09 96 00 PAINTED CMU	09 77 00 FRP PANELS	EXPOSED STRUCTURE		09 77 00 SUSPENDED FRP PANELS	13 34 19 METAL LINER PANEL - CEILING	09 91 23 PAINTED SUSPENDED GWB - LATEX	09 91 23 PAINTED SUSPENDED GWB - EPOXY	09 51 13 SUSPENDED ACOUSTIC PANEL	09 96 00 EXPOSED STRUCTURE - PAINTED	EXPOSED STRUCTURE		
OMF 01	COUNTY MANAGER OFFICE				●	●					●								●								●		9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF				●	●					●								●								●		9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR				●	●					●								●								●		9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR				●	●					●								●								●		9' - 0"	
OMF 05	TIMEKEEPER OFFICE				●	●					●								●								●		9' - 0"	
OMF 06	BREAKROOM				●	●					●								●								●		9' - 0"	
OMF 07	WOMENS RESTROOM				●	●						●								●							●			9' - 0"	
OMF 08	MENS RESTROOM				●	●						●								●							●			9' - 0"	
OMF 09	ELECTRICAL ROOM				●	●					●								●								●		9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM				●	●					●								●								●		9' - 0"	
OMF 11	RADIO ROOM				●	●					●								●								●		9' - 0"	
OMF12.1	WELDING BAY				●							●					●	●			●										
OMF12.2	LIGHT TRUCK MAINTENANCE				●							●					●	●			●										
OMF12.3	HEAVY TRUCK MAINTENANCE				●							●					●	●			●										
OMF 13	POL				●							●					●	●				●							14' - 0"	
OMF 14	COMPRESSOR ROOM				●							●					●	●				●							13' - 9"	SEE EMAIL DATED 09 OCT 14
OMF 15	PART ROOM / MECHANICS OF				●						●						●	●			●								22' - 0"	REVISED - SEE ASI-0216
OMF 16	WASH BAY				●							●					●	●					●							9'-0"
OMF 17	INCLUDED IN OMF 014																													
OMF 18	JANITOR CLOSET					●						●								●							●		9' - 0"	
OMF 19	INCLUDED IN OMF 006																													
OMF20.1	STORAGE ROOM IN OMF 001					●						●								●							●		8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001					●						●								●							●		8' - 0"	
OMF21.1	CLOSET					●						●								●							●		8' - 0"	
OMF21.2	CLOSET					●						●								●							●		8' - 0"	
OMF 22	VESTIBULE					●	●					●								●								●	9' - 0"	
OMF 23	OFFICE CORRIDOR					●						●								●								●	9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR				●		●					●					●	●										●	9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE					●						●								●								●	9' - 0"	
TS 01	TRUCK STORAGE				●							●					●	●													
CS 01	COLD STORAGE					●						●											●					●			
CS 02	COLD STORAGE					●						●											●					●			
CS 03	COLD STORAGE					●						●											●					●			
CS 04	COLD STORAGE					●						●											●					●			
CS 05	COLD STORAGE					●						●											●					●			
CS 06	COLD STORAGE					●						●											●					●			
CS 07	COLD STORAGE					●						●											●					●			
MS 01	MATERIAL STORAGE					●						●								●											
MS 02	MATERIAL STORAGE					●						●								●											
MS 03	MATERIAL STORAGE					●						●								●											
MS 04	MATERIAL STORAGE					●						●								●											
SS 01	SALT STORAGE					●						●								●											

FOR OFFICE FLOOR FINISH, SEE EMAIL W/RICH OSTER FROM 02 JUL 2014

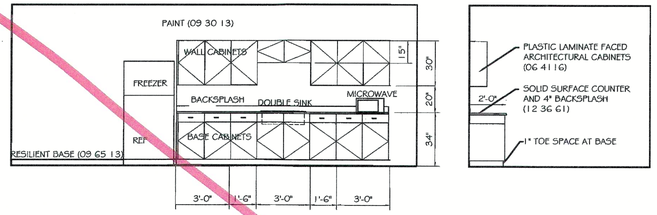
COLOR SCHEDULE SEE ASI-017R

CODED NOTES

DESIGNATIONS

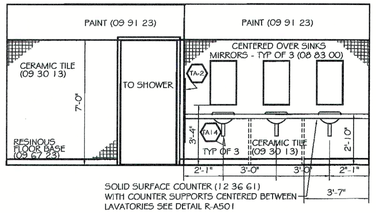
TOILET ACCESSORIES

- TA2 COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE STAINLESS STEEL (10 28 00).
- TA3 TOILET TISSUE DISPENSER - 2 ROLL STAINLESS STEEL (10 28 00).
- TA4 SANITARY NAPKIN DISPOSAL UNIT STAINLESS STEEL (10 28 00).
- TA5 TOILET SEAT COVER DISPENSER STAINLESS STEEL(10 28 00).
- TA6 GRAB BAR STAINLESS STEEL(10 28 00).
- TA7 GRAB BAR STAINLESS STEEL(10 28 00).
- TA8 GRAB BAR STAINLESS STEEL(10 28 00).
- TA9 SHOWER CURTAIN ROD FOR ACCESSIBLE SHOWER (10 28 00).
- TA10 CLOTHES AND ACCESSORIES HOOK STAINLESS STEEL(10 28 00).
- TA11 FOLDING SHOWER SEAT STAINLESS STEEL (10 28 00).
- TA12 TOWEL BAR TUBULAR STAINLESS STEEL (10 28 00).
- TA13 SHOWER SOAP DISH STAINLESS STEEL (10 28 00).
- TA14 UNDERLAVATORY INSULATING GUARD (10 28 00).
- TA15 UTILITY SHELF 16X6 STAINLESS STEEL (10 28 00).
- TA16 MOP AND BROOM HOLDER 36 WITH 3 HOOKS STAINLESS STEEL (10 28 00).
- TA17 18" GRAB BAR STAINLESS STEEL (10 28 00).



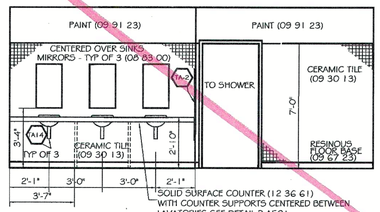
DETAIL A-A501

OMF 06 NORTH ELEVATION AND CABINET PROFILE



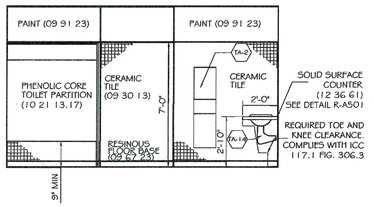
DETAIL F-A501

OMF 07 SOUTH ELEVATION



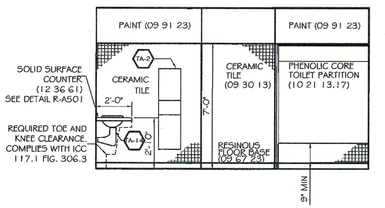
DETAIL G-A501

OMF 08 NORTH ELEVATION



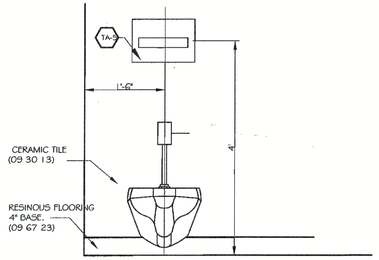
DETAIL K-A501

OMF 07 EAST ELEVATION



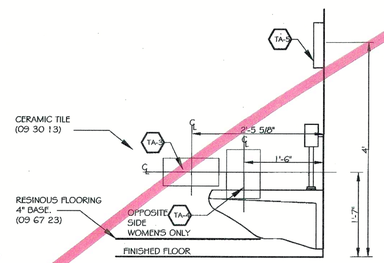
DETAIL L-A501

OMF 08 EAST ELEVATION



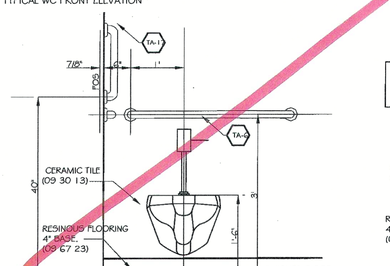
DETAIL P-A501

TYPICAL WC FRONT ELEVATION



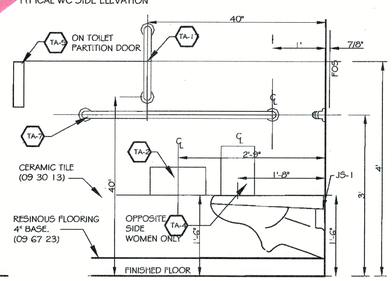
DETAIL Q-A501

TYPICAL WC SIDE ELEVATION



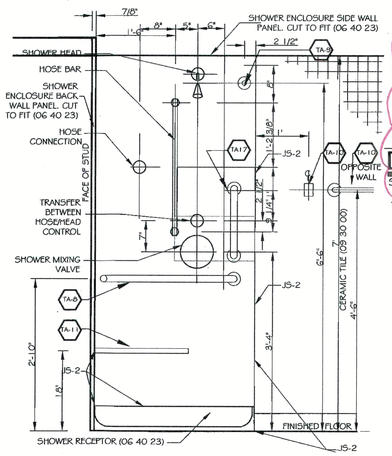
DETAIL U-A501

TYPICAL ACCESSIBLE WC FRONT ELEVATION



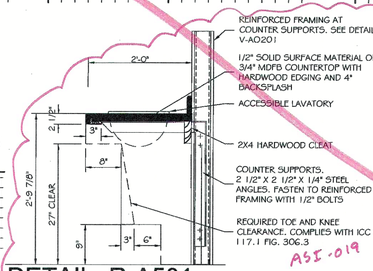
DETAIL V-A501

TYPICAL ACCESSIBLE WC SIDE ELEVATION



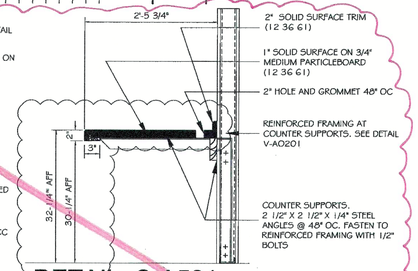
DETAIL W-A501

OFM 8 ACCESSIBLE SHOWER CONTROL WALL, OFM 7 SHOWER MIRROR IMAGE



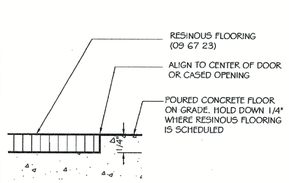
DETAIL R-A501

SECTION OF LAVATORY COUNTER IN TOILET ROOMS



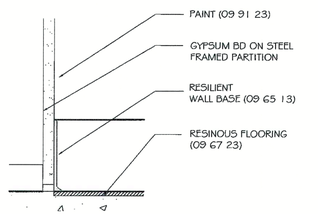
DETAIL S-A501

TYPICAL OFFICE COUNTER DESK SECTION



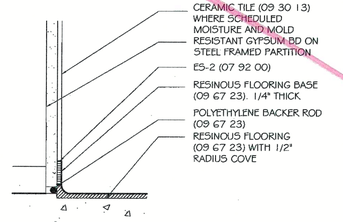
DETAIL T-A501

RESINOUS FLOORING TRANSITION



DETAIL X-A501

FLOORING BASE AT TYPICAL OFFICE WALL



DETAIL Y-A501

RESINOUS FLOORING BASE AT CERAMIC TILE WALL

THOMAS & MARKER CONSTRUCTION
Resources Design, Inc
RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 25, 2014
AUGUST 27, 2014
SEPTEMBER 17, 2014
SEPTEMBER 22, 2014
OCTOBER 1, 2014

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A501

ROOM FINISH SCHEDULE
INTERIOR ELEVATIONS

ROOM FINISH SCHEDULE ATHENS

MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR	BASE	WALLS	CEILING	HT.	REMARKS
					03 30 00 SEALED CONCRETE 09 67 23 RESINOUS FLOORING RECESSED WALKOFF MAT	08 11 13 RESILIENT WALL BASE 09 67 23 COVED RESINOUS FLOORING NONE	04 23 00 SEALED CONCRETE BLOCK 04 23 00 CONCRETE BLOCK - LOCK BLOCK 04 22 00 CONCRETE BLOCK SOUNDWALL 13 34 19 METAL LINER PANEL - WALL 09 30 00 CERAMIC TILE - TO 7'-0" 09 91 23 PAINTED GWB 09 91 23 PAINTED GWB - EPOXY 09 96 00 PAINTED CMU FRP PANELS EXPOSED STRUCTURE	09 77 00 SUSPENDED FRP PANELS 13 34 19 METAL LINER PANEL - CEILING 09 91 23 PAINTED SUSPENDED GWB - LATEX 09 91 23 PAINTED SUSPENDED GWB - EPOXY 09 51 13 SUSPENDED ACOUSTIC PANEL 08 96 00 EXPOSED STRUCTURE - PAINTED		
OMF 01	COUNTY MANAGER OFFICE				●	●	●	●	9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF				●	●	●	●	9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR				●	●	●	●	9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR				●	●	●	●	9' - 0"	
OMF 05	TIMEKEEPER OFFICE				●	●	●	●	9' - 0"	
OMF 06	BREAKROOM				●	●	●	●	9' - 0"	
OMF 07	WOMEN'S RESTROOM				●	●	●	●	9' - 0"	
OMF 08	MEN'S RESTROOM				●	●	●	●	9' - 0"	
OMF 09	ELECTRICAL ROOM				●	●	●	●	9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM				●	●	●	●	9' - 0"	
OMF 11	RADIO ROOM				●	●	●	●	9' - 0"	
OMF12.1	WELDING BAY				●	●	●	●		
OMF12.2	LIGHT TRUCK MAINTENANCE				●	●	●	●		
OMF12.3	HEAVY TRUCK MAINTENANCE				●	●	●	●		
OMF 13	POL				●	●	●	●	13' - 9"	
OMF 14	COMPRESSOR ROOM				●	●	●	●	13' - 9"	
OMF 15	PART ROOM / MECHANICS OF				●	●	●	●		
OMF 16	WASH BAY				●	●	●	●	22' - 0"	
OMF 17	INCLUDED IN OMF 014									
OMF 18	JANITOR CLOSET				●	●	●	●	9' - 0"	
OMF 19	INCLUDED IN OMF 006									
OMF20.1	STORAGE ROOM IN OMF 001				●	●	●	●	8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001				●	●	●	●	8' - 0"	
OMF21.1	CLOSET				●	●	●	●	8' - 0"	
OMF21.2	CLOSET				●	●	●	●	8' - 0"	
OMF 22	VESTIBULE				● ●	●	●	●	9' - 0"	
OMF 23	OFFICE CORRIDOR				●	●	●	●	9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR				● ●	●	●	●	9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE				●	●	●	●	9' - 0"	
T5 01	TRUCK STORAGE				●	●	●	●		
C5 01	COLD STORAGE				●	●	●	●		
C5 02	COLD STORAGE				●	●	●	●		
C5 03	COLD STORAGE				●	●	●	●		
C5 04	COLD STORAGE				●	●	●	●		
C5 05	COLD STORAGE				●	●	●	●		
C5 06	COLD STORAGE				●	●	●	●		
C5 07	COLD STORAGE				●	●	●	●		
M5 01	MATERIAL STORAGE				●	●	●	●		
M5 02	MATERIAL STORAGE				●	●	●	●		
M5 03	MATERIAL STORAGE				●	●	●	●		
M5 04	MATERIAL STORAGE				●	●	●	●		
S5 01	SALT STORAGE				●	●	●	●		

FOR OFFICE FLOOR FINISH, SEE EMAIL COMM'D FROM ODOT ON 02 JUL 2014

COLOR SCHEDULE SEE ASF-017R

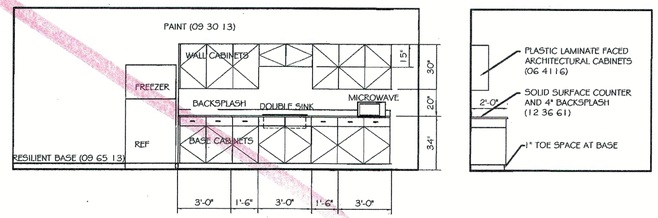
CODED NOTES

DESIGNATIONS

TOILET ACCESSORIES

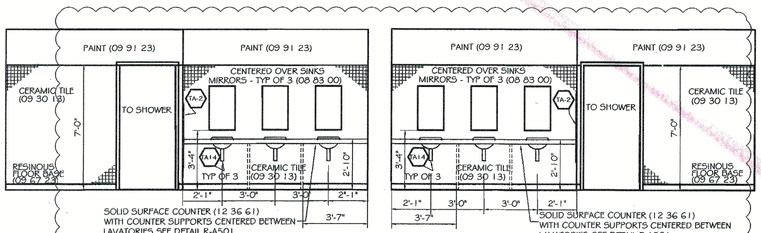
- TA2 COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE STAINLESS STEEL (10 28 00).
- TA3 TOILET TISSUE DISPENSER - 2 ROLL STAINLESS STEEL (10 28 00).
- TA4 SANITARY NAPKIN DISPOSAL UNIT STAINLESS STEEL (10 28 00).
- TA5 TOILET SEAT COVER DISPENSER STAINLESS STEEL(10 28 00).
- TA6 GRAB BAR STAINLESS STEEL(10 28 00).
- TA7 GRAB BAR STAINLESS STEEL(10 28 00).
- TA8 GRAB BAR STAINLESS STEEL(10 28 00).
- TA9 SHOWER CURTAIN ROD FOR ACCESSIBLE SHOWER (10 28 00).
- TA10 CLOTHES AND ACCESSORIES HOOK STAINLESS STEEL(10 28 00).
- TA11 FOLDING SHOWER SEAT STAINLESS STEEL (10 28 00).
- TA12 TOWEL BAR TUBULAR STAINLESS STEEL (10 28 00).
- TA13 SHOWER SOAP DISH STAINLESS STEEL (10 28 00).
- TA14 UNDERLAVATORY INSULATING GUARD (10 28 00).
- TA15 UTILITY SHELF 16X6 STAINLESS STEEL (10 28 00).
- TA16 MOP AND BROOM HOLDER 36 WITH 3 HOOKS STAINLESS STEEL (10 28 00).
- TA17 18" GRAB BAR STAINLESS STEEL (10 28 00).

Gray & Greene



DETAIL A-A501

OMF 06 NORTH ELEVATION AND CABINET PROFILE



DETAIL F-A501

OMF 07 SOUTH ELEVATION

DETAIL G-A501

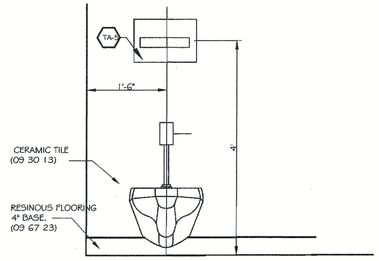
OMF 08 NORTH ELEVATION

DETAIL K-A501

OMF 07 EAST ELEVATION

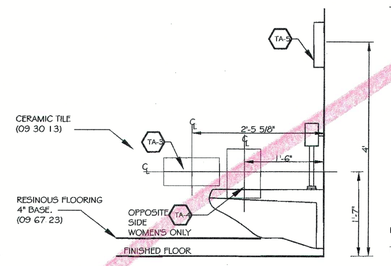
DETAIL L-A501

OMF 08 EAST ELEVATION



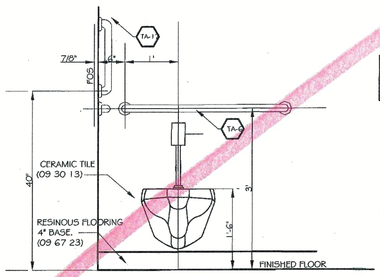
DETAIL P-A501

TYPICAL WC FRONT ELEVATION



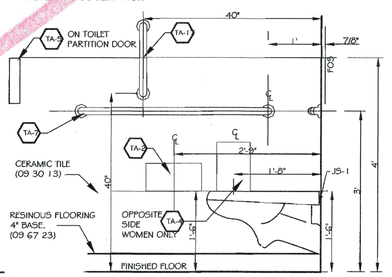
DETAIL Q-A501

TYPICAL WC SIDE ELEVATION



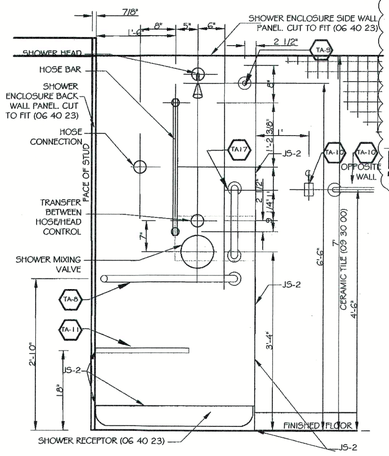
DETAIL U-A501

TYPICAL ACCESSIBLE WC FRONT ELEVATION



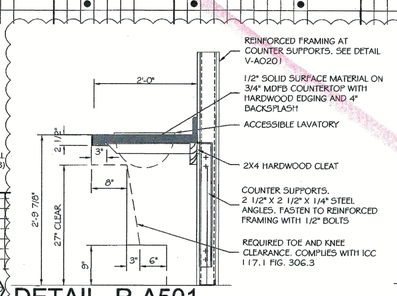
DETAIL V-A501

TYPICAL ACCESSIBLE WC SIDE ELEVATION



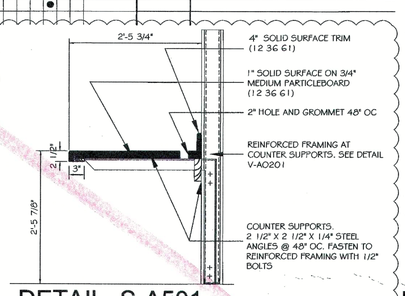
DETAIL W-A501

OPM 8 ACCESSIBLE SHOWER CONTROL WALL, OPM 7 SHOWER MIRROR IMAGE



DETAIL R-A501

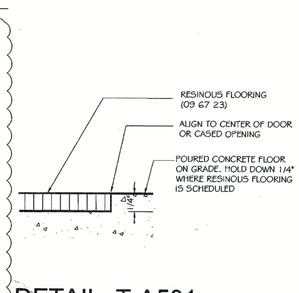
SECTION OF LAVATORY COUNTER IN TOILET ROOMS



DETAIL S-A501

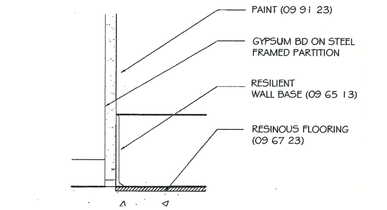
TYPICAL OFFICE COUNTER DESK SECTION

ASI-019



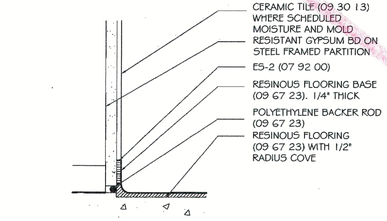
DETAIL T-A501

RESINOUS FLOORING TRANSITION



DETAIL X-A501

FLOORING BASE AT TYPICAL OFFICE WALL



DETAIL Y-A501

RESINOUS FLOORING BASE AT CERAMIC TILE WALL

THOMAS & MARKER CONSTRUCTION
Renaissance Design, Inc.
RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 25, 2014
AUGUST 27, 2014

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A501

ROOM FINISH SCHEDULE
INTERIOR ELEVATIONS

ROOM FINISH SCHEDULE ATHENS

MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR: SEALED CONCRETE (03 30 00)	FLOOR: RESINOUS FLOORING (09 67 23)	FLOOR: RECESSED WALKOFF MAT	BASE: RESILIENT WALL BASE (06 11 13)	BASE: COVED RESINOUS FLOORING (09 67 23)	BASE: NONE	WALLS: SEALED CONCRETE BLOCK (04 22 00)	WALLS: CONCRETE BLOCK - LOCK BLOCK (04 22 00)	WALLS: CONCRETE BLOCK SOUNDWALL (04 22 00)	WALLS: METAL LINER PANEL - WALL (13 34 19)	WALLS: CERAMIC TILE - TO 7'-0" (09 30 00)	WALLS: PAINTED GWB (09 91 23)	WALLS: PAINTED GWB - EPOXY (09 91 23)	WALLS: PAINTED CMU (09 96 00)	WALLS: FRP PANELS (09 77 00)	WALLS: EXPOSED STRUCTURE	CEILING: SUSPENDED FRP PANELS (09 77 00)	CEILING: METAL LINER PANEL - CEILING (13 34 19)	CEILING: PAINTED SUSPENDED GWB - LATEX (09 91 23)	CEILING: PAINTED SUSPENDED GWB - EPOXY (09 91 23)	CEILING: SUSPENDED ACOUSTICAL PANELS (09 51 13)	CEILING: EXPOSED STRUCTURE - PAINTED (09 96 00)	HT.	REMARKS
OMF 01	COUNTY MANAGER OFFICE				●			●								●								●			9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF				●			●								●								●			9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR				●			●								●								●			9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR				●			●								●								●			9' - 0"	
OMF 05	TIMEKEEPER OFFICE				●			●								●								●			9' - 0"	
OMF 06	BREAKROOM				●			●								●								●			9' - 0"	
OMF 07	WOMENS RESTROOM				●				●						●		●								●		9' - 0"	
OMF 08	MEN'S RESTROOM				●				●						●		●								●		9' - 0"	
OMF 09	ELECTRICAL ROOM				●			●								●								●			9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM				●			●								●								●			9' - 0"	
OMF 11	RADIO ROOM				●			●								●								●			9' - 0"	
OMF12.1	WELDING BAY				●				●				●	●				●					●			●			
OMF12.2	LIGHT TRUCK MAINTENANCE				●				●				●	●				●					●			●			
OMF12.3	HEAVY TRUCK MAINTENANCE				●				●				●	●				●					●			●			
OMF 13	POL				●				●				●	●				●					●		●				
OMF 14	COMPRESSOR ROOM				●				●				●	●				●					●		●				
OMF 15	PART ROOM / MECHANICS OF				●			●					●	●				●					●		●				
OMF 16	WASH BAY				●				●				●	●					●				●				22' - 0"	
OMF 17	INCLUDED IN OMF 014																											
OMF 18	JANITOR CLOSET					●			●								●						●				9' - 0"	
OMF 19	INCLUDED IN OMF 006																											
OMF20.1	STORAGE ROOM IN OMF 001					●		●									●						●				8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001					●		●									●						●				8' - 0"	
OMF21.1	CLOSET					●		●									●						●				8' - 0"	
OMF21.2	CLOSET					●		●									●						●				8' - 0"	
OMF 22	VESTIBULE					●	●	●									●							●			9' - 0"	
OMF 23	OFFICE CORRIDOR					●		●									●							●			9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR				●		●	●					●	●				●						●			9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE					●		●									●							●			9' - 0"	
TS 01	TRUCK STORAGE				●				●				●	●				●					●			●			
CS 01	COLD STORAGE				●				●											●						●			
CS 02	COLD STORAGE				●				●											●						●			
CS 03	COLD STORAGE				●				●											●						●			
CS 04	COLD STORAGE				●				●											●						●			
CS 05	COLD STORAGE				●				●											●						●			
CS 06	COLD STORAGE				●				●											●						●			
CS 07	COLD STORAGE				●				●											●						●			
MS 01	MATERIAL STORAGE				●				●						●											●			
MS 02	MATERIAL STORAGE				●				●						●											●			
MS 03	MATERIAL STORAGE				●				●						●											●			
MS 04	MATERIAL STORAGE				●				●						●											●			
SS 01	SALT STORAGE				●				●						●											●			

FOR OFFICE FLOOR FINISH, SEE EMAIL CONFIRMATION W/ RICH OSTER FROM ODOT ON 07 JULY 2014

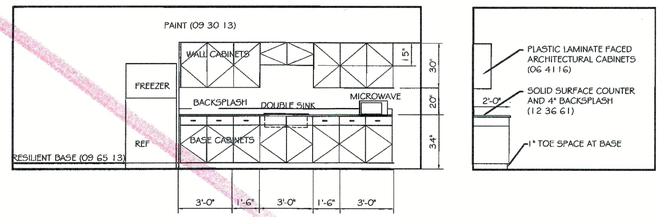
FOR COLOR SCHEDULE SEE A5I-017

CODED NOTES

DESIGNATIONS

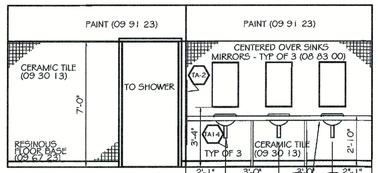
TOILET ACCESSORIES

- TA2 COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE STAINLESS STEEL (10 28 00).
- TA3 TOILET TISSUE DISPENSER - 2 ROLL STAINLESS STEEL (10 28 00).
- TA4 SANITARY NAPKIN DISPOSAL UNIT STAINLESS STEEL (10 28 00).
- TA5 TOILET SEAT COVER DISPENSER STAINLESS STEEL(10 28 00).
- TA6 GRAB BAR STAINLESS STEEL(10 28 00).
- TA7 GRAB BAR STAINLESS STEEL(10 28 00).
- TA8 GRAB BAR STAINLESS STEEL(10 28 00).
- TA9 SHOWER CURTAIN ROD FOR ACCESSIBLE SHOWER (10 28 00).
- TA10 CLOTHES AND ACCESSORIES HOOK STAINLESS STEEL(10 28 00).
- TA11 FOLDING SHOWER SEAT STAINLESS STEEL (10 28 00).
- TA12 TOWEL BAR TUBULAR STAINLESS STEEL (10 28 00).
- TA13 SHOWER SOAP DISH STAINLESS STEEL (10 28 00).
- TA14 UNDERLAVATORY INSULATING GUARD (10 28 00).
- TA15 UTILITY SHELF 16XG STAINLESS STEEL (10 28 00).
- TA16 MOP AND BROOM HOLDER 36 WITH 3 HOOKS STAINLESS STEEL (10 28 00).
- TA17 18" GRAB BAR STAINLESS STEEL (10 28 00).



DETAIL A-A501

OMF 06 NORTH ELEVATION AND CABINET PROFILE

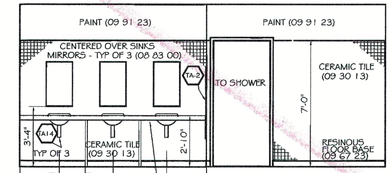


SOLID SURFACE COUNTER (12 36 61) WITH GUSSETS CENTERED BETWEEN LAVATORIES SEE DETAIL R-A501

FACE OF GUSSET TO WALL

DETAIL F-A501

OMF 07 SOUTH ELEVATION

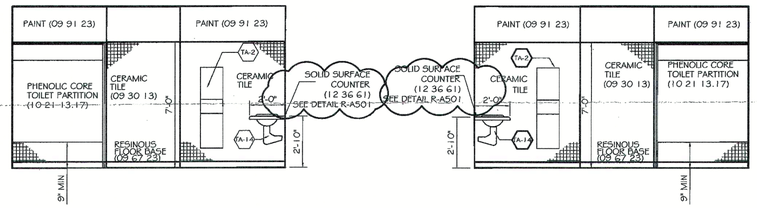


SOLID SURFACE COUNTER (12 36 61) WITH GUSSETS CENTERED BETWEEN LAVATORIES SEE DETAIL R-A501

FACE OF GUSSET TO WALL

DETAIL G-A501

OMF 08 NORTH ELEVATION

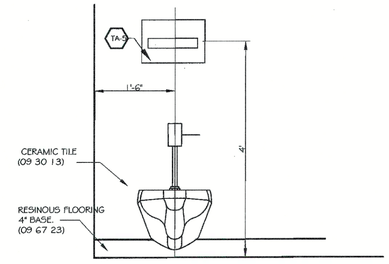


DETAIL K-A501

OMF 07 EAST ELEVATION

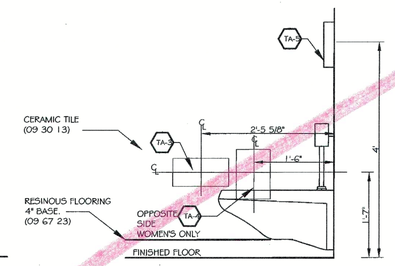
DETAIL L-A501

OMF 08 EAST ELEVATION



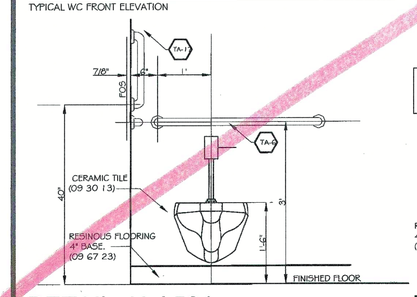
DETAIL P-A501

TYPICAL WC FRONT ELEVATION



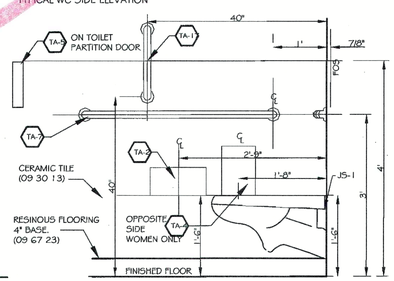
DETAIL Q-A501

TYPICAL WC SIDE ELEVATION



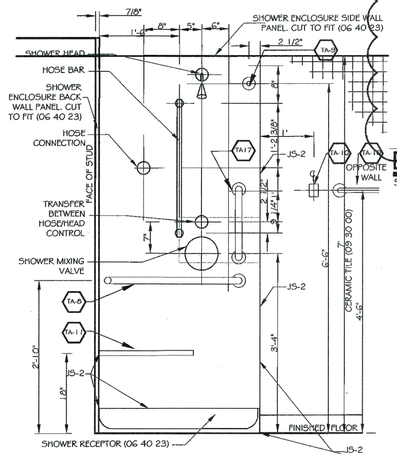
DETAIL U-A501

TYPICAL ACCESSIBLE WC FRONT ELEVATION



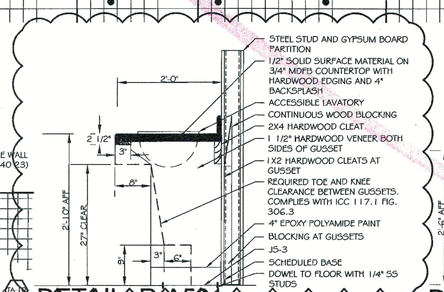
DETAIL V-A501

TYPICAL ACCESSIBLE WC SIDE ELEVATION



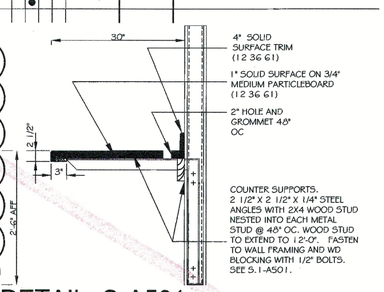
DETAIL W-A501

OFM 8 ACCESSIBLE SHOWER CONTROL WALL, OFM 7 SHOWER MIRROR IMAGE



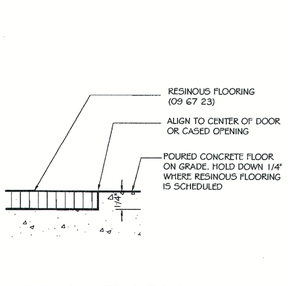
DETAIL R-A501

SECTION OF LAVATORY COUNTER IN TOILET ROOMS



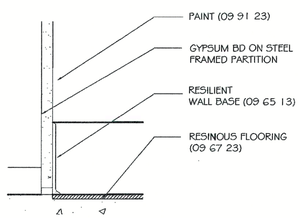
DETAIL S-A501

TYPICAL OFFICE COUNTER DESK SECTION



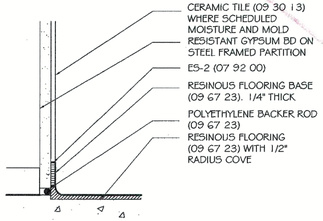
DETAIL T-A501

RESINOUS FLOORING TRANSITION



DETAIL X-A501

FLOORING BASE AT TYPICAL OFFICE WALL



DETAIL Y-A501

RESINOUS FLOORING BASE AT CERAMIC TILE WALL

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-13006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS JUNE 18, 2014

REVISED: JUNE 25, 2014
JULY 25, 2014

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A501

ROOM FINISH SCHEDULE INTERIOR ELEVATIONS

ROOM FINISH SCHEDULE ATHENS

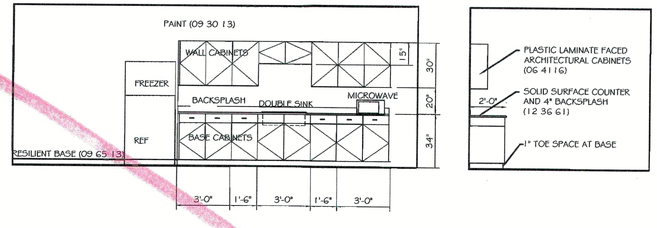
MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR: SEALED CONCRETE 03 30 00	FLOOR: RESINOUS FLOORING 09 67 23	FLOOR: RECESSED WALKOFF MAT	BASE: RESILIENT WALL BASE 09 65 13	BASE: COVED RESINOUS FLOORING 09 67 23	BASE: NONE	WALLS: SEALED CONCRETE BLOCK 04 22 00	WALLS: CONCRETE BLOCK - LOCK BLOCK 04 22 00	WALLS: CONCRETE BLOCK SOUNDWALL 04 22 00	WALLS: METAL LINER PANEL - WALL 13 34 19	WALLS: CERAMIC TILE - TO 7'-0" 09 30 00	WALLS: PAINTED GWB 09 91 23	WALLS: PAINTED GWB - EPOXY 09 91 23	WALLS: PAINTED CMU 09 91 23	WALLS: FRP PANELS 10 26 00	WALLS: EXPOSED STRUCTURE 05 12 00	CEILING: SUSPENDED FRP PANELS 09 77 00	CEILING: METAL LINER PANEL - CEILING 13 34 19	CEILING: PAINTED SUSPENDED GWB - LATEX 09 91 23	CEILING: PAINTED SUSPENDED GWB - EPOXY 09 91 23	CEILING: SUSPENDED ACOUSTIC PANEL 09 51 13	CEILING: EXPOSED STRUCTURE - PAINTED 09 96 00	HT.	REMARKS
OMF 01	COUNTY MANAGER OFFICE				●			●								●									●			9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF				●			●								●									●			9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR				●			●								●									●			9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR				●			●								●									●			9' - 0"	
OMF 05	TIMEKEEPER OFFICE				●			●								●									●			9' - 0"	
OMF 06	BREAKROOM				●			●								●									●			9' - 0"	
OMF 07	WOMEN'S RESTROOM				●				●								●	●							●			9' - 0"	
OMF 08	MEN'S RESTROOM				●				●								●	●							●			9' - 0"	
OMF 09	ELECTRICAL ROOM				●			●								●									●			9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM				●			●								●									●			9' - 0"	
OMF 11	RADIO ROOM				●			●								●									●			9' - 0"	
OMF12.1	WELDING BAY				●				●					●								●				●			
OMF12.2	LIGHT TRUCK MAINTENANCE				●				●					●								●				●			
OMF12.3	HEAVY TRUCK MAINTENANCE				●				●					●								●				●			
OMF 13	POL				●				●					●								●							
OMF 14	COMPRESSOR ROOM				●				●					●								●							
OMF 15	PART ROOM / MECHANICS OF				●			●						●								●				●			
OMF 16	WASH BAY				●				●					●								●						22' - 0"	
OMF 17	INCLUDED IN OMF 014																												
OMF 18	JANITOR CLOSET					●				●							●							●				9' - 0"	
OMF 19	INCLUDED IN OMF 006																												
OMF20.1	STORAGE ROOM IN OMF 001					●		●									●							●				8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001					●		●									●							●				8' - 0"	
OMF21.1	CLOSET					●		●									●							●				8' - 0"	
OMF21.2	CLOSET					●		●									●							●				8' - 0"	
OMF 22	VESTIBULE					●	●	●									●								●			9' - 0"	
OMF 23	OFFICE CORRIDOR					●		●									●								●			9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR				●		●	●				●	●				●								●			9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE					●		●									●								●			9' - 0"	
TS 01	TRUCK STORAGE				●				●			●	●									●				●			
CS 01	COLD STORAGE				●				●											●						●			
CS 02	COLD STORAGE				●				●											●						●			
CS 03	COLD STORAGE				●				●											●						●			
CS 04	COLD STORAGE				●				●											●						●			
CS 05	COLD STORAGE				●				●											●						●			
CS 06	COLD STORAGE				●				●											●						●			
CS 07	COLD STORAGE				●				●											●						●			
MS 01	MATERIAL STORAGE				●				●			●										●				●			
MS 02	MATERIAL STORAGE				●				●			●										●				●			
MS 03	MATERIAL STORAGE				●				●			●										●				●			
MS 04	MATERIAL STORAGE				●				●			●										●				●			
SS 01	SALT STORAGE				●				●													●				●			

CODED NOTES

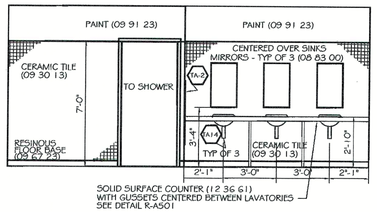
DESIGNATIONS

TOILET ACCESSORIES

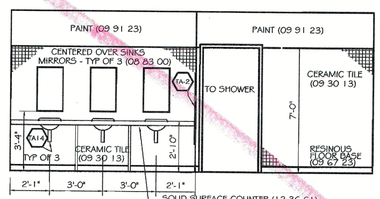
- (TA2) COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE STAINLESS STEEL (10 28 00).
- (TA3) TOILET TISSUE DISPENSER - 2 ROLL STAINLESS STEEL (10 28 00).
- (TA4) SANITARY NAPKIN DISPOSAL UNIT STAINLESS STEEL (10 28 00).
- (TA5) TOILET SEAT COVER DISPENSER STAINLESS STEEL(10 28 00).
- (TA6) GRAB BAR STAINLESS STEEL(10 28 00).
- (TA7) GRAB BAR STAINLESS STEEL(10 28 00).
- (TA8) GRAB BAR STAINLESS STEEL(10 28 00).
- (TA9) SHOWER CURTAIN ROD FOR ACCESSIBLE SHOWER (10 28 00).
- (TA10) CLOTHES AND ACCESSORIES HOOK STAINLESS STEEL(10 28 00).
- (TA11) FOLDING SHOWER SEAT STAINLESS STEEL (10 28 00).
- (TA12) TOWEL BAR TUBULAR STAINLESS STEEL (10 28 00).
- (TA13) SHOWER SOAP DISH STAINLESS STEEL (10 28 00).
- (TA14) UNDERLAVATORY INSULATING GUARD (10 28 00).
- (TA15) UTILITY SHELF 16X6 STAINLESS STEEL (10 28 00).
- (TA16) MOP AND BROOM HOLDER 36 WITH 3 HOOKS STAINLESS STEEL (10 28 00).
- (TA17) 18" GRAB BAR STAINLESS STEEL (10 28 00).



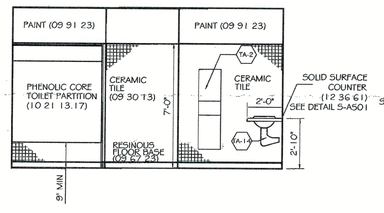
DETAIL A-A501
OMF 06 NORTH ELEVATION AND CABINET PROFILE



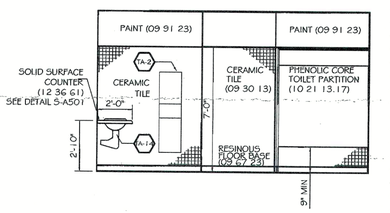
DETAIL F-A501
OMF 07 SOUTH ELEVATION



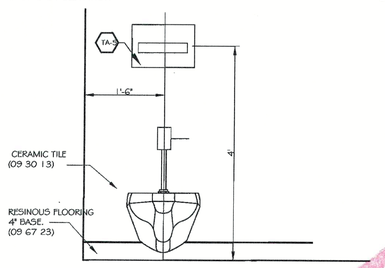
DETAIL G-A501
OMF 08 NORTH ELEVATION



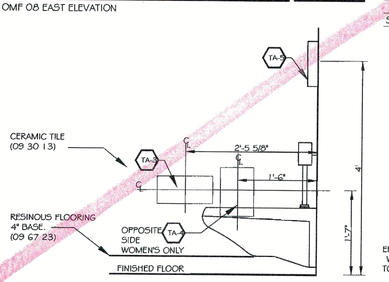
DETAIL K-A501
OMF 07 EAST ELEVATION



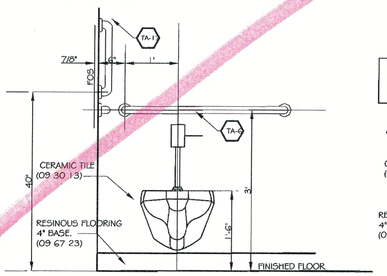
DETAIL L-A501
OMF 08 EAST ELEVATION



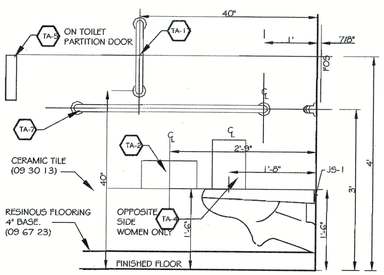
DETAIL P-A501
TYPICAL WC FRONT ELEVATION



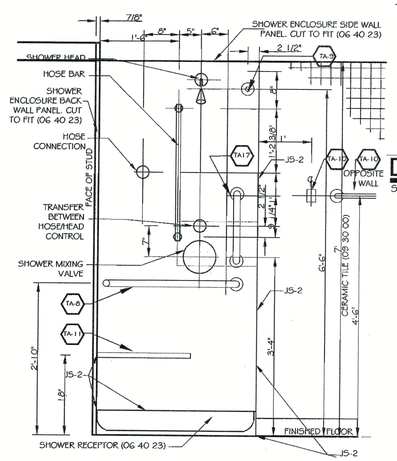
DETAIL Q-A501
TYPICAL WC SIDE ELEVATION



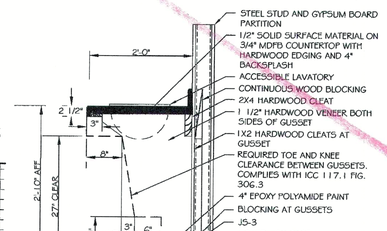
DETAIL U-A501
TYPICAL ACCESSIBLE WC FRONT ELEVATION



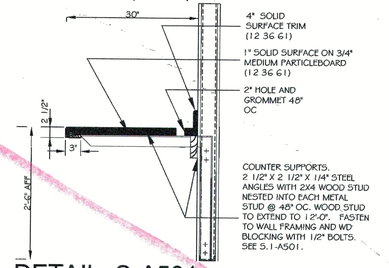
DETAIL V-A501
TYPICAL ACCESSIBLE WC SIDE ELEVATION



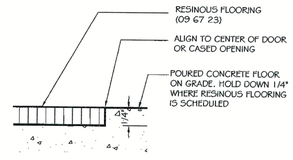
DETAIL W-A501
OFM 8 ACCESSIBLE SHOWER CONTROL WALL, OFM 7 SHOWER MIRROR IMAGE



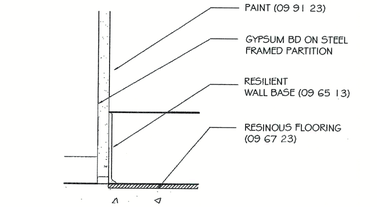
DETAIL R-A501
SECTION OF LAVATORY COUNTER IN TOILET ROOMS



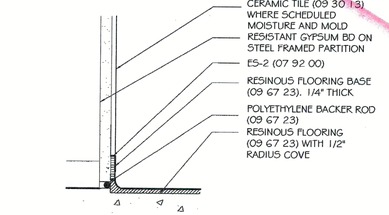
DETAIL S-A501
TYPICAL OFFICE COUNTER DESK SECTION



DETAIL T-A501
RESINOUS FLOORING TRANSITION



DETAIL X-A501
FLOORING BASE AT TYPICAL OFFICE WALL



DETAIL Y-A501
RESINOUS FLOORING BASE AT CERAMIC TILE WALL

THOMAS & MARKER CONSTRUCTION
Jeffersonian Designs, Inc.
RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014

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A501

ROOM FINISH SCHEDULE
INTERIOR ELEVATIONS

ROOM FINISH SCHEDULE ATHENS

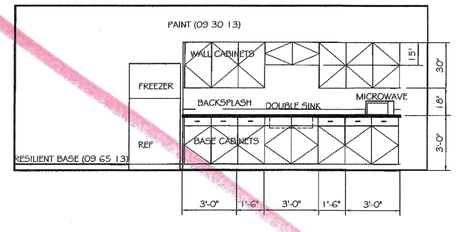
MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR: 03 30 00 SEALED CONCRETE	FLOOR: 09 67 23 RESINOUS FLOORING	FLOOR: RECESSED WALKOFF MAT	BASE: 06 11 13 RESILIENT WALL BASE	BASE: 09 67 23 COVED RESINOUS FLOORING	BASE: NONE	WALLS: 04 22 00 SEALED CONCRETE BLOCK	WALLS: 04 22 00 CONCRETE BLOCK - LOCK BLOCK	WALLS: 04 22 00 CONCRETE BLOCK SOUNDWALL	WALLS: 13 34 19 METAL LINER PANEL - WALL	WALLS: 09 30 00 CERAMIC TILE - TO 7'-0"	WALLS: 09 91 23 PAINTED GWB	WALLS: 09 91 23 PAINTED GWB - EPOXY	WALLS: 09 96 00 PAINTED CMU	WALLS: 09 77 00 FRP PANELS	WALLS: EXPOSED STRUCTURE	CEILING: 09 77 00 SUSPENDED FRP PANELS	CEILING: 13 34 19 METAL LINER PANEL - CEILING	CEILING: 09 91 23 PAINTED SUSPENDED GWB - LATEX	CEILING: 09 91 23 PAINTED SUSPENDED GWB - EPOXY	CEILING: 09 51 13 SUSPENDED ACOUSTIC PANEL	CEILING: 09 96 00 EXPOSED STRUCTURE - PAINTED	HT.	REMARKS
OMF 01	COUNTY MANAGER OFFICE				●			●								●									●			9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF				●			●								●									●			9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR				●			●								●									●			9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR				●			●								●									●			9' - 0"	
OMF 05	TIMEKEEPER OFFICE				●			●								●									●			9' - 0"	
OMF 06	BREAKROOM				●			●								●									●			9' - 0"	
OMF 07	WOMENS RESTROOM				●				●						●		●							●	●			9' - 0"	
OMF 08	MENS RESTROOM				●				●						●		●							●	●			9' - 0"	
OMF 09	ELECTRICAL ROOM				●			●								●									●			9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM				●			●								●									●			9' - 0"	
OMF 11	RADIO ROOM				●			●								●									●			9' - 0"	
OMF12.1	WELDING BAY				●				●			●	●					●					●			●			
OMF12.2	LIGHT TRUCK MAINTENANCE				●				●				●					●					●			●			
OMF12.3	HEAVY TRUCK MAINTENANCE				●				●				●					●					●			●			
OMF 13	POL				●				●				●					●					●	●					
OMF 14	COMPRESSOR ROOM				●				●				●					●					●	●					
OMF 15	PART ROOM / MECHANICS OF				●			●				●	●					●					●	●					
OMF 16	WASH BAY				●				●				●					●			●	●							22' - 0"	
OMF 17	INCLUDED IN OMF 014																												
OMF 18	JANITOR CLOSET				●				●								●						●					9' - 0"	
OMF 19	INCLUDED IN OMF 006																												
OMF20.1	STORAGE ROOM IN OMF 001				●			●								●						●						8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001				●			●								●						●						8' - 0"	
OMF21.1	CLOSET				●			●								●						●						8' - 0"	
OMF21.2	CLOSET				●			●								●						●						8' - 0"	
OMF 22	VESTIBULE				●		●	●								●									●			9' - 0"	
OMF 23	OFFICE CORRIDOR				●		●	●								●									●			9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR				●		●	●				●	●			●									●			9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE				●			●								●									●			9' - 0"	
T5 01	TRUCK STORAGE				●				●			●	●					●				●				●			
C5 01	COLD STORAGE				●				●										●							●			
C5 02	COLD STORAGE				●				●										●							●			
C5 03	COLD STORAGE				●				●										●							●			
C5 04	COLD STORAGE				●				●										●							●			
C5 05	COLD STORAGE				●				●										●							●			
C5 06	COLD STORAGE				●				●										●							●			
C5 07	COLD STORAGE				●				●										●							●			
M5 01	MATERIAL STORAGE				●				●										●							●			
M5 02	MATERIAL STORAGE				●				●										●							●			
M5 03	MATERIAL STORAGE				●				●										●							●			
M5 04	MATERIAL STORAGE				●				●										●							●			
S5 01	SALT STORAGE				●				●										●							●			

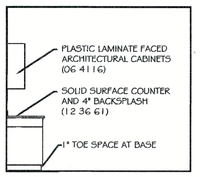
CODED NOTES

DESIGNATIONS

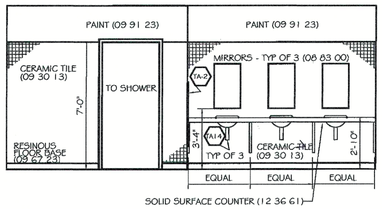
TOILET ACCESSORIES

- TA2 COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE STAINLESS STEEL (10 28 00).
- TA3 TOILET TISSUE DISPENSER - 2 ROLL STAINLESS STEEL (10 28 00).
- TA4 SANITARY NAPKIN DISPOSAL UNIT STAINLESS STEEL (10 28 00).
- TA5 TOILET SEAT COVER DISPENSER STAINLESS STEEL(10 28 00).
- TA6 GRAB BAR STAINLESS STEEL(10 28 00).
- TA7 GRAB BAR STAINLESS STEEL(10 28 00).
- TA8 GRAB BAR STAINLESS STEEL(10 28 00).
- TA9 SHOWER CURTAIN ROD FOR ACCESSIBLE SHOWER (10 28 00).
- TA10 CLOTHES AND ACCESSORIES HOOK STAINLESS STEEL(10 28 00).
- TA11 FOLDING SHOWER SEAT STAINLESS STEEL (10 28 00).
- TA12 TOWEL BAR TUBULAR STAINLESS STEEL (10 28 00).
- TA13 SHOWER SOAP DISH STAINLESS STEEL (10 28 00).
- TA14 UNDERLAVATORY INSULATING GUARD (10 28 00).

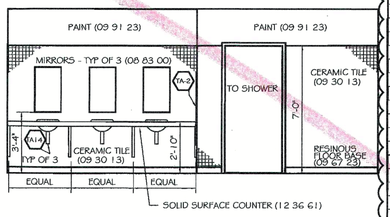




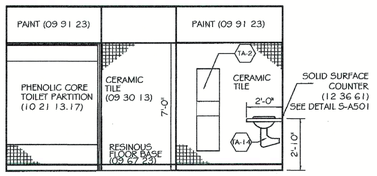
DETAIL A-A501
0 4'
OMF 06 NORTH ELEVATION AND CABINET PROFILE



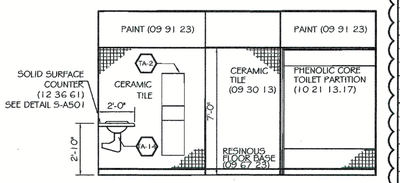
DETAIL F-A501
0 4'
OMF 07 SOUTH ELEVATION



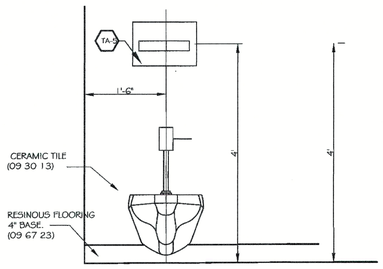
DETAIL G-A501
0 4'
OMF 08 NORTH ELEVATION



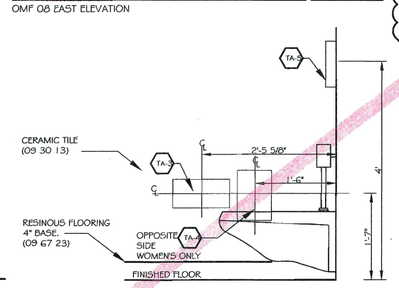
DETAIL K-A501
0 4'
OMF 07 EAST ELEVATION



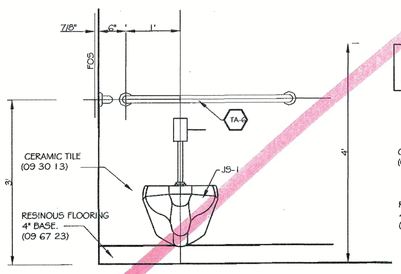
DETAIL L-A501
0 4'
OMF 08 EAST ELEVATION



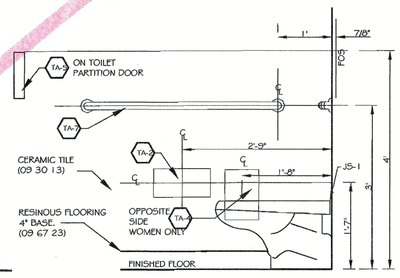
DETAIL P-A501
0 1'-4"
TYPICAL WC FRONT ELEVATION



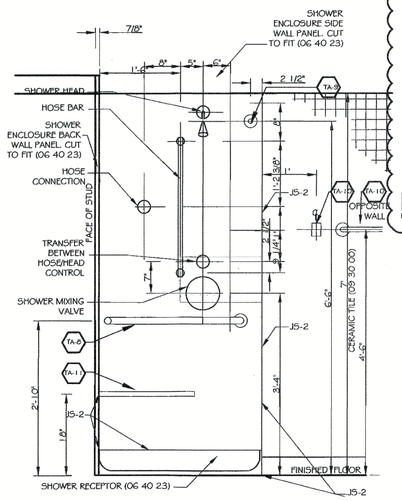
DETAIL Q-A501
0 1'-4"
TYPICAL WC SIDE ELEVATION



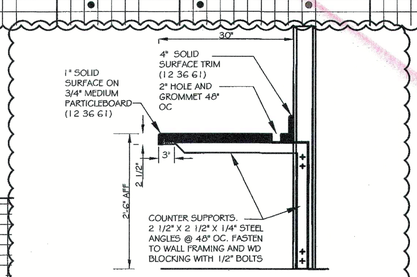
DETAIL U-A501
0 1'-4"
TYPICAL ACCESSIBLE WC FRONT ELEVATION



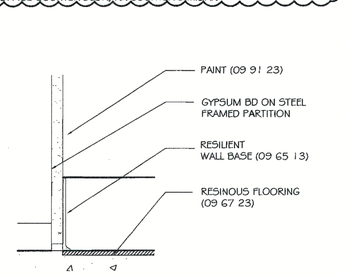
DETAIL V-A501
0 1'-4"
TYPICAL ACCESSIBLE WC SIDE ELEVATION



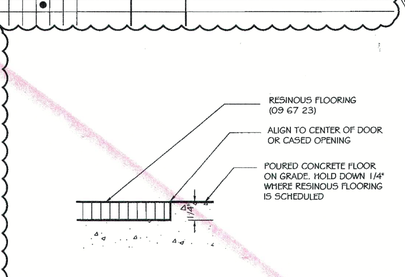
DETAIL W-A501
0 1'-4"
OFM 8 ACCESSIBLE SHOWER CONTROL WALL, OFM 7 SHOWER MIRROR IMAGE



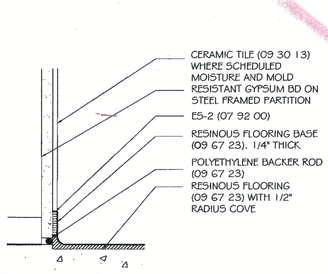
DETAIL S-A501
0 4"
TYPICAL OFFICE COUNTER DESK, RR COUNTER SIMILAR



DETAIL X-A501
0 4"
FLOORING BASE AT TYPICAL OFFICE WALL

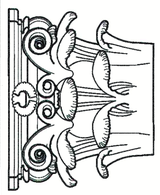


DETAIL T-A501
0 1"
RESINOUS FLOORING TRANSITION

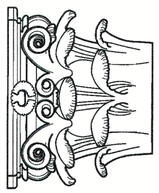


DETAIL Y-A501
0 4"
RESINOUS FLOORING BASE AT CERAMIC TILE WALL

THOMAS & MARKER CONSTRUCTION
Resinous Design Inc
RDI



STATE OF OHIO
THOMAS L. CONVERSE 6425
REGISTERED ARCHITECT



BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
REVISED 6/2/2014

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A501

ROOM FINISH SCHEDULE
INTERIOR ELEVATIONS

ROOM FINISH SCHEDULE ATHENS

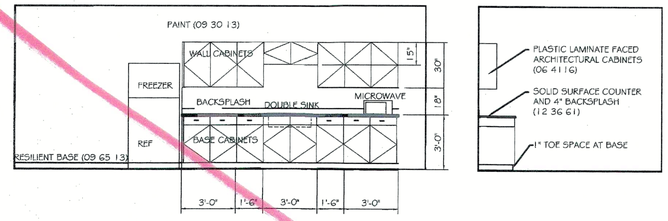
MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR: 03 30 00 SEALED CONCRETE	FLOOR: 09 67 23 RESINOUS FLOORING	FLOOR: RECESSED WALKOFF MAT	BASE: 09 11 13 RESILIENT WALL BASE	BASE: 09 67 23 COVED RESINOUS FLOORING	BASE: NONE	WALLS: 04 22 00 SEALED CONCRETE BLOCK	WALLS: 04 22 00 CONCRETE BLOCK - LOCK BLOCK	WALLS: 07 21 13 INSULATION BOARDWALL	WALLS: 07 42 13 METAL LINER PANEL - WALL	WALLS: 09 30 00 CERAMIC TILE - TO 7'-0"	WALLS: 09 91 23 PAINTED GWB - EPOXY	WALLS: 09 91 23 PAINTED GWB	WALLS: 09 96 00 PAINTED CMU	WALLS: 09 91 23 CMU - FLUOROPOLYMER COATING	WALLS: EXPOSED STRUCTURE	CEILING: 06 64 00 SUSPENDED FRP PANELS	CEILING: 07 42 13 METAL LINER PANEL - CEILING	CEILING: 09 91 23 PAINTED SUSPENDED GWB - LATEX	CEILING: 09 91 23 PAINTED SUSPENDED GWB - EPOXY	CEILING: 09 51 13 SUSPENDED ACOUSTIC PANEL	CEILING: 09 96 00 EXPOSED STRUCTURE - PAINTED	HT.	REMARKS
OMF 01	COUNTY MANAGER OFFICE				●			●								●									●			9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF				●			●								●									●			9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR				●			●								●									●			9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR				●			●								●									●			9' - 0"	
OMF 05	TIMEKEEPER OFFICE				●			●								●									●			9' - 0"	
OMF 06	BREAKROOM				●			●								●									●			9' - 0"	
OMF 07	WOMENS RESTROOM				●				●						●	●									●			9' - 0"	
OMF 08	MENS RESTROOM				●				●						●	●									●			9' - 0"	
OMF 09	ELECTRICAL ROOM				●			●								●								●				9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM				●			●								●								●				9' - 0"	
OMF 11	RADIO ROOM				●			●								●									●			9' - 0"	
OMF12.1	WELDING BAY				●				●						●		●								●				
OMF12.2	LIGHT TRUCK MAINTENANCE				●				●						●		●								●				
OMF12.3	HEAVY TRUCK MAINTENANCE				●				●						●		●								●				
OMF 13	POL				●				●						●		●								●	●			
OMF 14	COMPRESSOR ROOM				●				●						●		●								●				
OMF 15	PART ROOM / MECHANICS OF				●			●							●		●								●	●			
OMF 16	WASH BAY				●				●								●												
OMF 17	INCLUDED IN OMF 014																												
OMF 18	JANITOR CLOSET					●			●							●								●				9' - 0"	
OMF 19	INCLUDED IN OMF 006																												
OMF20.1	STORAGE ROOM IN OMF 001					●		●								●								●				8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001					●		●								●								●				8' - 0"	
OMF21.1	CLOSET					●		●								●								●				8' - 0"	
OMF21.2	CLOSET					●		●								●								●				8' - 0"	
OMF 22	VESTIBULE					●	●	●								●									●			9' - 0"	
OMF 23	OFFICE CORRIDOR					●		●								●									●			9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR				●		●	●								●									●			9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE					●		●								●									●			9' - 0"	
TS 01	TRUCK STORAGE				●				●								●								●				
CS 01	COLD STORAGE				●				●											●					●				
CS 02	COLD STORAGE				●				●											●					●				
CS 03	COLD STORAGE				●				●											●					●				
CS 04	COLD STORAGE				●				●											●					●				
CS 05	COLD STORAGE				●				●											●					●				
CS 06	COLD STORAGE				●				●											●					●				
CS 07	COLD STORAGE				●				●											●					●				
MS 01	MATERIAL STORAGE				●				●								●								●				
MS 02	MATERIAL STORAGE				●				●								●								●				
MS 03	MATERIAL STORAGE				●				●								●								●				
MS 04	MATERIAL STORAGE				●				●								●								●				
SS 01	SALT STORAGE				●				●								●								●				

CODED NOTES

DESIGNATIONS

TOILET ACCESSORIES

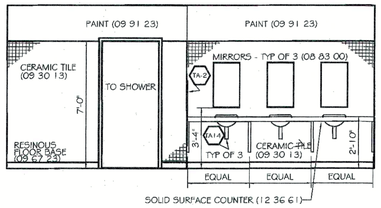
- (TA2) COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE STAINLESS STEEL (10 28 00).
- (TA3) TOILET TISSUE DISPENSER - 2 ROLL STAINLESS STEEL (10 28 00).
- (TA4) SANITARY NAPKIN DISPOSAL UNIT STAINLESS STEEL (10 28 00).
- (TA5) TOILET SEAT COVER DISPENSER STAINLESS STEEL(10 28 00).
- (TA6) GRAB BAR STAINLESS STEEL(10 28 00).
- (TA7) GRAB BAR STAINLESS STEEL(10 28 00).
- (TA8) GRAB BAR STAINLESS STEEL(10 28 00).
- (TA9) SHOWER CURTAIN ROD FOR ACCESSIBLE SHOWER (10 28 00).
- (TA10) CLOTHES AND ACCESSORIES HOOK STAINLESS STEEL(10 28 00).
- (TA11) FOLDING SHOWER SEAT STAINLESS STEEL (10 28 00).
- (TA12) TOWEL BAR TUBULAR STAINLESS STEEL (10 28 00).
- (TA13) SHOWER SOAP DISH STAINLESS STEEL (10 28 00).
- (TA14) UNDERLAVATORY INSULATING GUARD (10 28 00).

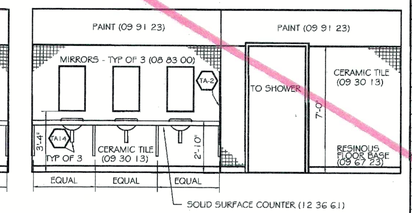


DETAIL A-A501

0 4'

OMF 06 NORTH ELEVATION AND CABINET PROFILE





DETAIL F-A501

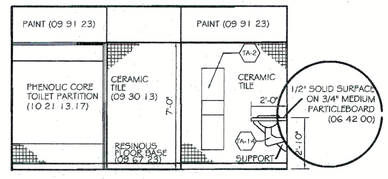
0 4'

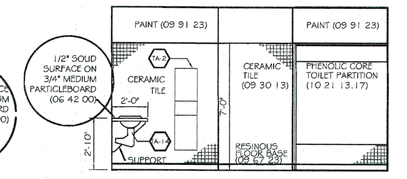
OMF 07 SOUTH ELEVATION

DETAIL G-A501

0 4'

OMF 08 NORTH ELEVATION





DETAIL K-A501

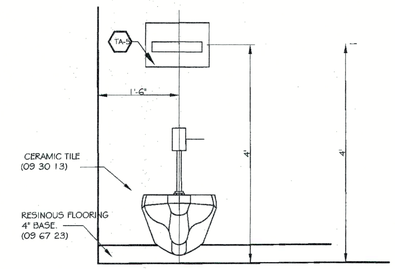
0 4'

OMF 07 EAST ELEVATION

DETAIL L-A501

0 4'

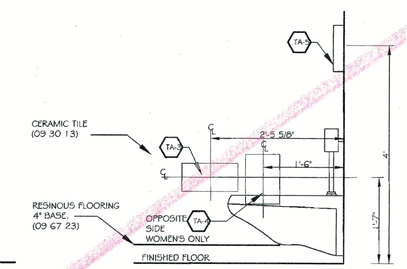
OMF 08 EAST ELEVATION



DETAIL P-A501

0 1'-4"

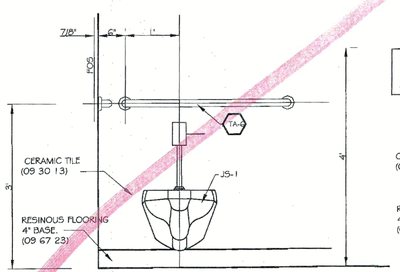
TYPICAL WC FRONT ELEVATION



DETAIL Q-A501

0 1'-4"

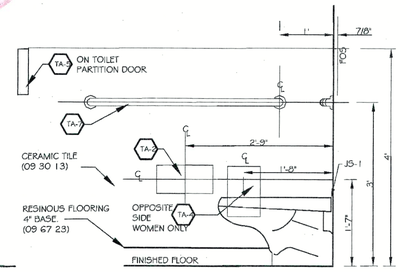
TYPICAL WC SIDE ELEVATION



DETAIL U-A501

0 1'-4"

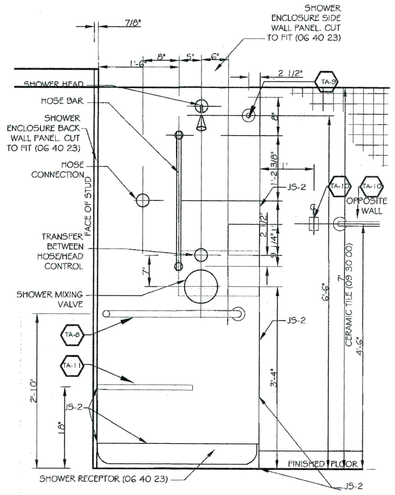
TYPICAL ACCESSIBLE WC FRONT ELEVATION



DETAIL V-A501

0 1'-4"

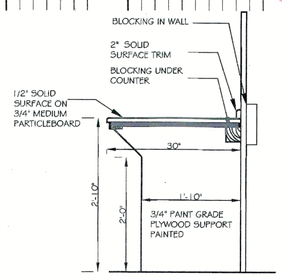
TYPICAL ACCESSIBLE WC SIDE ELEVATION



DETAIL W-A501

0 1'-4"

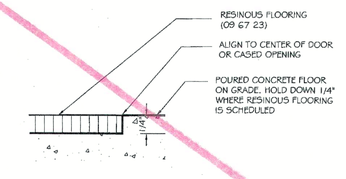
OFM 8 ACCESSIBLE SHOWER CONTROL WALL, OFM 7 SHOWER MIRROR IMAGE



DETAIL S-A501

0 4"

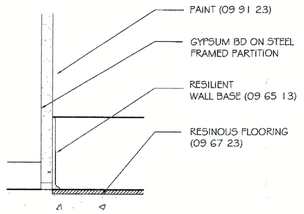
TYPICAL OFFICE COUNTER DESK, RR COUNTER SIMILIAR



DETAIL T-A501

0 1"

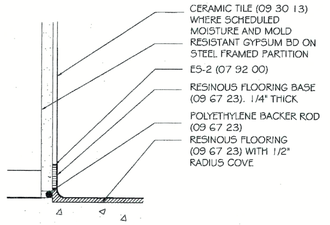
RESINOUS FLOORING TRANSITION



DETAIL X-A501

0 4"

FLOORING BASE AT TYPICAL OFFICE WALL



DETAIL Y-A501

0 4"

RESINOUS FLOORING BASE AT CERAMIC TILE WALL

THOMAS & MARKER CONSTRUCTION
Renaissance Design, Inc.
RDI

STATE OF OHIO
THOMAS L. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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A501

ROOM FINISH SCHEDULE
INTERIOR ELEVATIONS

Matulja, Rick

From: Andry, Tom
Sent: Monday, September 29, 2014 9:04 AM
To: Matulja, Rick
Subject: Fw: ODOT Rough Openings for Bypass Closets

post
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Mike Bowers <Mike@adhohio.com>
Sent: Wednesday, September 24, 2014 12:23 PM
To: Andry, Tom
Subject: ODOT Rough Openings for Bypass Closets

Tom: For bypass closet openings #OMF21.1A & OMF21.2A, please make sure the rough opening is 75-3/8" x 86-1/4". (+/- 1/8")
We actually use a 5'-11" wide frame to allow the two 3-0 doors to properly overlap. Thanks for your help!

Mike Bowers
Project Manager
Atlas Door & Hardware
2899 E 14th Ave
Columbus, OH 43219

Office: 614-251-8037
Direct: 614-251-4831
Fax: 614-251-8039
Cell: 614-507-6765

mike@ADHOhio.com
www.AtlasDoorandHardware.com

A Division of Construction Systems Inc.

Rough Opening at Opening OMF 16A Washbay

Mike Bowers <Mike@adhohio.com>
Thu 10/9/2014 9:19 AM

To: Andry, Tom <tandry@thomas-marker.com>;

Tom: Rough opening here needs to be 40-3/8" (+/- 1/8) x 86-1/4". Thanks!

Mike Bowers
Project Manager
Atlas Door & Hardware
2899 E 14th Ave
Columbus, OH 43219

Office: 614-251-8037
Direct: 614-251-4831
Fax: 614-251-8039
Cell: 614-507-6765

mike@ADHOhio.com
www.AtlasDoorandHardware.com

A Division of Construction Systems Inc.

From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Monday, September 29, 2014 9:04 AM
To: Mike Bowers
Subject: Re: ODOT Rough Openings for Bypass Closets

they have the information and will make it happen
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Mike Bowers <Mike@adhohio.com>
Sent: Wednesday, September 24, 2014 12:23 PM

BULLETIN

Project:	DOT-130006 **ATHENS FULL SERVICE MAINTENANCE FACILITY**	Bulletin No.:	**008**
		Date of Issue:	September 4, 2014
Owner:	Ohio Department of Transportation	Architect:	Renouveau Design, Inc 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker	Contract For:	Design-Build Contract
Contract Dated:		Architects' Project No.:	13301

REVISED 9 SEPT 2014 SEE LOG FOR ADDITIONAL INFORMATION

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

Main Entrance Door Hardware Revisions

Change Door Hardware Schedule Revised 6/18/2014 to Door Hardware Schedule Revised 9/4/2014.
- Added Door Hardware Set C01.1 for Door OMF101.

Change Sheet A511 Door Schedule
- Door OMF101, change Hardware Set to C01.1.

Door OMF101
Mount Push Plate on west wall of OMF22, 3-feet from south wall 36-inches AFF.

Main Entrance Doors
Theory of Operation

Main Entrance Door (OMF101) and Vestibule Door (OMF22A) are always unlocked for manual exit. They are normally locked requiring authorized entrance.

Main Entrance Door (OMF101) (exterior door)

Entry by Card Reader on exterior side of door or push button from Time Keeper (OMF05).
Card Reader or push button releases electric latch and initiates delayed Low Energy Electric Door Operator sequence, which opens door. Once electric latch is released, door may be opened manually.

Exit by wall mounted accessible push button in Vestibule (OMF22) or operating manual door hardware.

Vestibule Door (OMF22A) (interior door)

Entry by Card Reader on exterior side of door or push button from Time Keeper (OMF05).
Card Reader or push button releases electric latch and door is manually opened.

Exit by operating manual door hardware.

Controls (24VDC)

Card Readers at doors and push button in Time Keeper (OMF05) by Owner's security system contractor. Raceways and boxes by Electrical Contractor. Wiring and terminations by Owner's security system contractor.

Electric Latches (24VDC) by Aluminum Entrances Contractor, raceway by Electrical Contractor, and wiring and terminations by Owner's security system contractor.

Attachments:
Door Hardware Schedule Revised 9/4/2014

Submitted

Renouveau Design, Inc. — Thomas I. Converse — September 4, 2014 Date

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 058

REQUEST FOR INFORMATION

TO:	RDI	**DATE:**	3-Sep-14
ATTN:	Tom Converse	**PAGE:**	1 of 1
EMAIL:		**DWG:**	N/A
FR:	Joe Hannahs	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Aluminum Door Cylinders		

Please advise what keyway is required for the best cylinders. Do they need to be 6 or 7 pin?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 4-Sep-14
DISTRIBUTION: File, Field, Tom Converse

REPLY (RETURN THIS SHEET WITH REPLY):

9/10/2014 - IN LIEU OF BEST KEY SYSTEM, PROIVDE SCHLAGE SCI-6PIN CORES.
IN LIEU OF BEST KEY SYSTEM REQUIRED BY CRITERIA, R OSTER REQUESTED SCHLAGE KEY SYSTEM DISTRICT 10 LOCKSMITH VENDOR, ACE LOCK, MARIETTA, ADVISES DISTRICT 10 USES SCHLAGE SCI-6PIN KEYWAY-CORE.
ODOT DISTRICT 10 USES A KEYING SYSTEM THAT ALLOWS MAINTENANCE PERSONNEL TO ACCESS ITS FACILITIES AT DIFFERENT SITES WITH A MASTER KEY. COORDINATE KEYING WITH ODOT DISTRICT 10.
ACE LOCK - 740 373 1224

DATE OF REPLY: SEPTEMBER 10, 2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 054

REQUEST FOR INFORMATION

TO:	RDI	**DATE:**	29-Aug-14
ATTN:	Tom Converse	**PAGE:**	1 of 4
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Door Frame Clarification		

Please see attached RFI from our Hollow Metal Door subcontractor.

1). The contract drawings call for a variation of 18 and 16 gauge doors. The returned submittal called for all doors to be 16 gauge. Please clarify.

2). All exterior doors are specified to have concealed stops. The issue is that none of these doors have an overhang above. The current building will allow rain to enter the doors if concealed stops are required which will void warranties. Can the exterior doors receive flush mounted stops in lieu of concealed?

3). Please see attached RFI.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 3-Sep-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

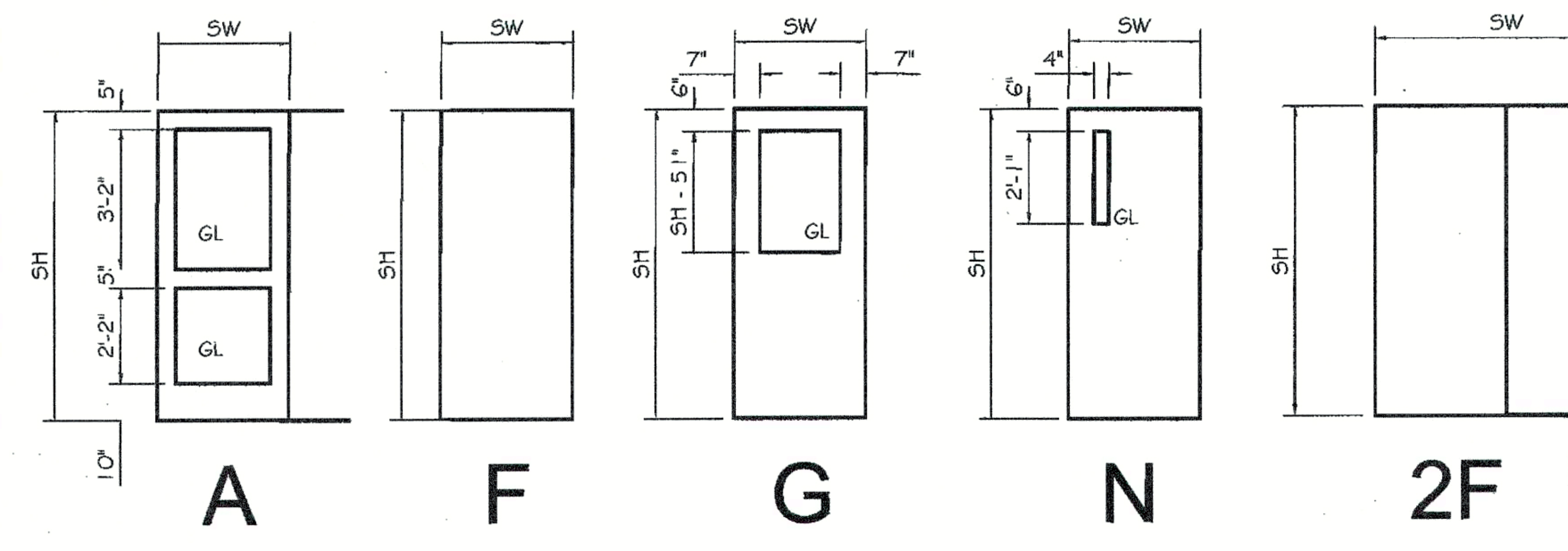
9/2/2014 - PROVIDE DOOR GUAGES INDICATED SHEET A511 REVISED 9/2/2014 - DOOR SCHEDULE BY SDI LEVEL NUMBER.

AT EXTERIOR DOORS, IN LIEU OF CONCEALED OVERHEAD STOPS, PROVIDE FLUSH MOUNTED STOPS. COORDINATE WITH DOOR CLOSERS.

AT SCHEDULED BYPASS DOORS, PROVIDE CASED OPENING HOLLOW METAL FRAME.

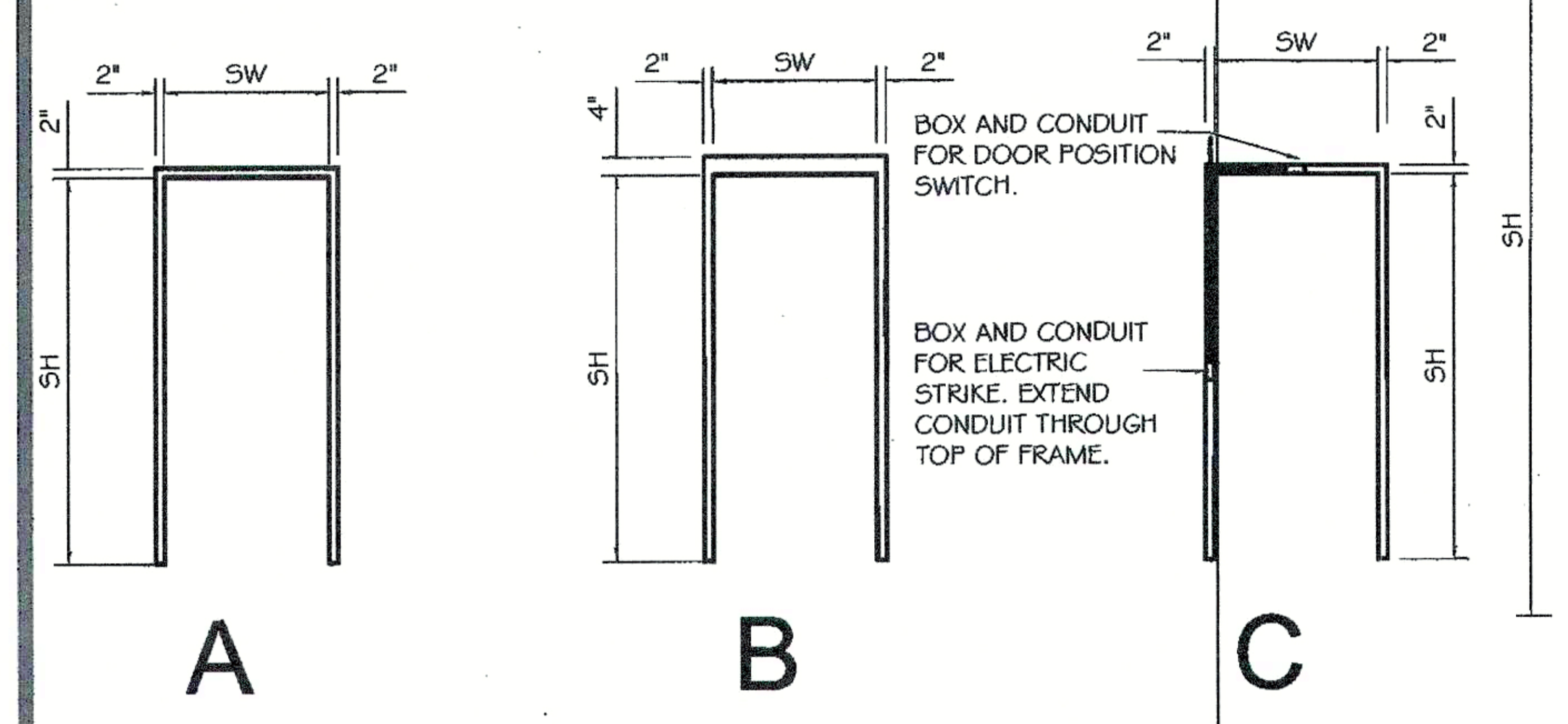
DATE OF REPLY: 9/2/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field



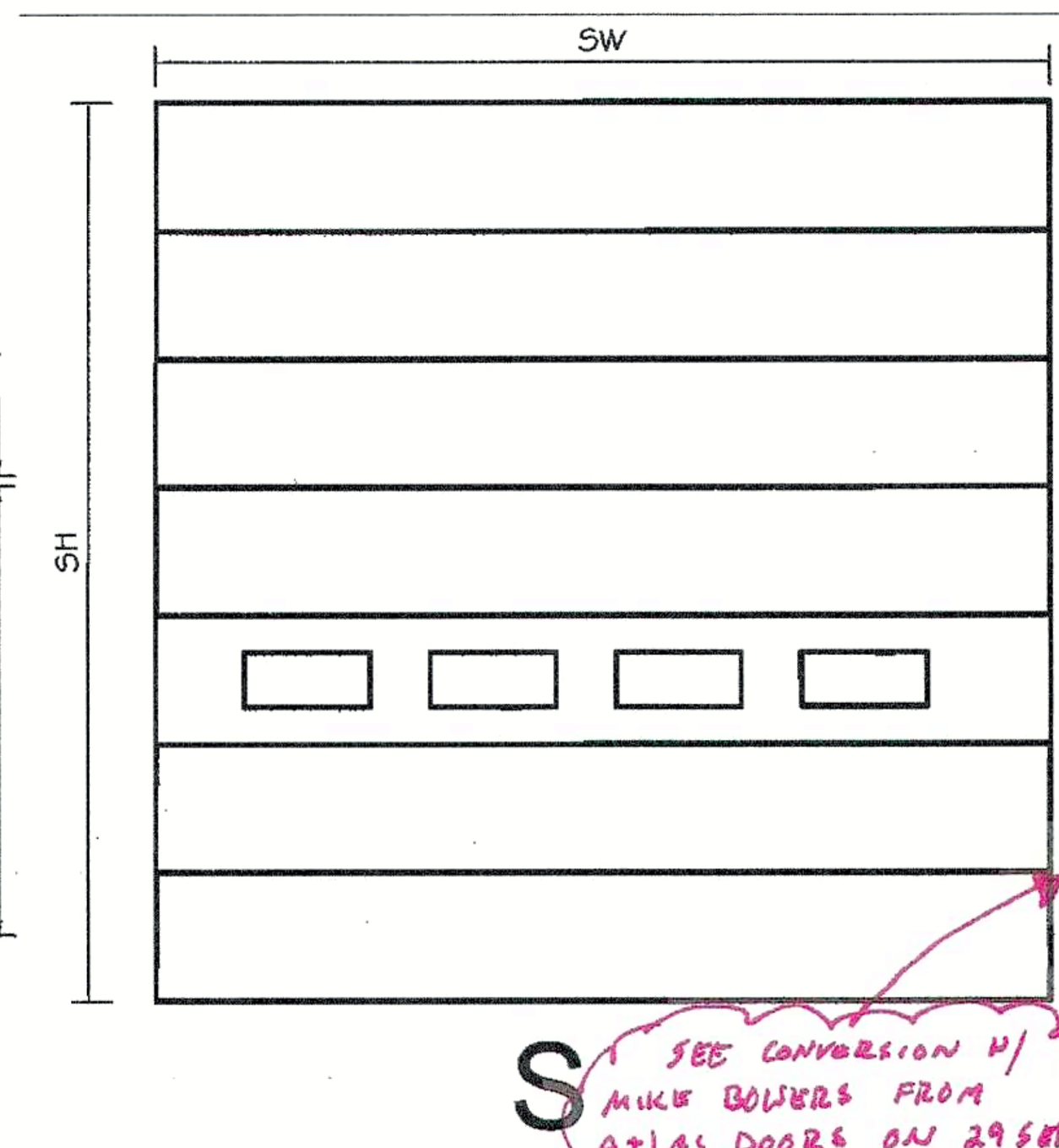
DETAIL A-A511

DOOR TYPES



DETAIL F-A511

FRAME TYPES



SEE CONVERSION W/ MIKE BOWERS FROM ATLAS DOORS ON 29 SEPT VIA EMAIL

DETAIL G-A511

DOOR TYPES

L1-M=SDI 250.8 LEVEL 1 - METALLIC COATED STEEL
LII-M=SDI 250.8 LEVEL II - METALLIC COATED STEEL
LII-G =SDI 250.8 LEVEL II - GALVANIZED SHEET
LIII-M=SDI 250.8 LEVEL III - METALLIC COATED STEEL
LIII-G=SDI 250.8 LEVEL III - GALVANIZED SHEET

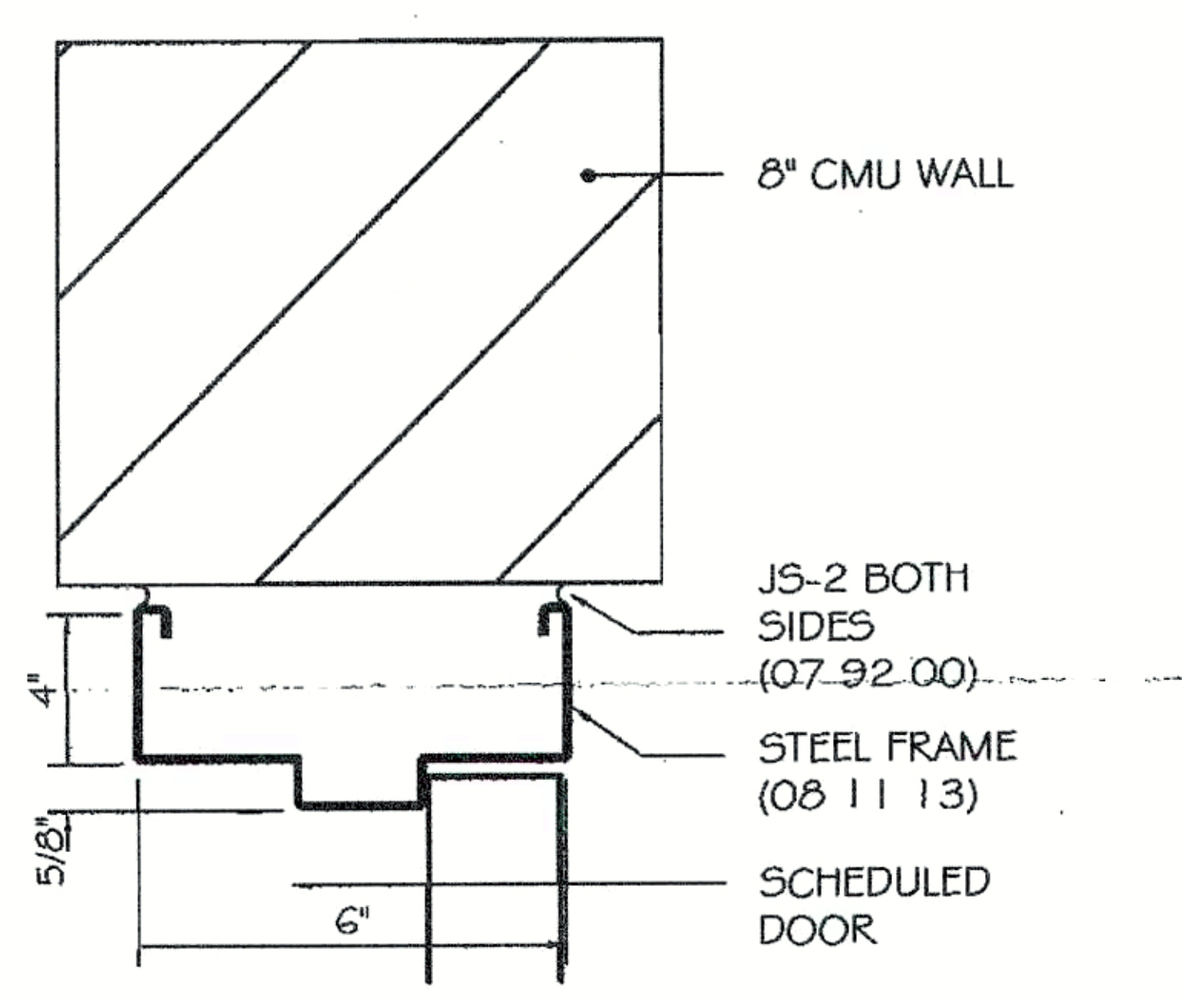
DOOR SCHEDULE ATHENS

MARK	DOOR SIZE	FIRE	DOOR TYPE	DOOR MT'L	FRAME TYPE	FRAME MT'L	GLASS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HDWR	CONTROL	HAND	REMARKS	MARK
OMF 100	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 100
OMF 101	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 101
OMF 102	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 102
OMF 103	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	OMF 103
OMF 104	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	OMF 104
OMF 105	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	OMF 105
OMF 106	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD AL2 HL	OMF 106
OMF 107	3'-0" W x 7'-0" H x 1-3/4" T		F	08 41 13	C	08 41 13		L-A511	Q-A511	V-A511	C01				OMF 107
OMF 108	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD AL2 HL	OMF 108
OMF 109	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	OMF 109
OMF 110	8'-0" W x 8'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	OMF 110
OMF 01A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	L-A511	Q-A511	V-A511	C03				OMF 01A
OMF 01B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C03				OMF 01B
OMF 02A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 02A
OMF 03A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 03A
OMF 04A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 04A
OMF 05A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05A
OMF 05B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05B
OMF 05C	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C03				OMF 05C
OMF 06A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06A
OMF 06B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06B
OMF 07A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 07A
OMF 07B	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 07B
OMF 08A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 08A
OMF 08B	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 08B
OMF 09A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C09				OMF 09A
OMF 10A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 10A
OMF 11A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 11A
OMF12.1A	PR 4'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C06				OMF12.1A
OMF12.1B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04			PROVIDE SWEEP	OMF12.1B
OMF12.1C	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04			PROVIDE SWEEP	OMF12.1C
OMF12.1D	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF12.1D
OMF 13A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 13A
OMF 14A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 14A
OMF 15A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 15A
OMF 16A	3'-0" W x 7'-0" H x 1-3/4" T		G	08 41 13	B	08 41 13	SGFT-C				C04				OMF 16A
OMF 18A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C04			1" UNDERCUT	OMF 18A
OMF21.1A	PR 3'-0" W x 7'-0" H x 1-3/4" T LII-M		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.1A
OMF21.2A	PR 3'-0" W x 7'-0" H x 1-3/4" T LII-M		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.2A
OMF 22A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	L-A511	Q-A511	V-A511	C07				OMF 22A
OMF 23A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 23A
OMF 24A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 24A
TS 100	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	TS 100
TS 101	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	TS 101
TS 102	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	TS 102
															TS 103
TS 103	20'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C	L-A511	Q-A511	V-A511	---			SD S2 HL	TS 104
TS 104	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A512	Q-A512	V-A512	C02				TS 105
TS 106	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				TS 106
TS 107	20'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL	
TS 01A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				TS 001A
CS 100	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				CS 100
CS 101	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL - UNINSULATED	CS 101
CS 102	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL - UNINSULATED	CS 102
CS 103	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL - UNINSULATED	CS 103
CS 104	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL - UNINSULATED	CS 104
CS 105	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD S2 HL - UNINSULATED	CS 105

CODED NOTES

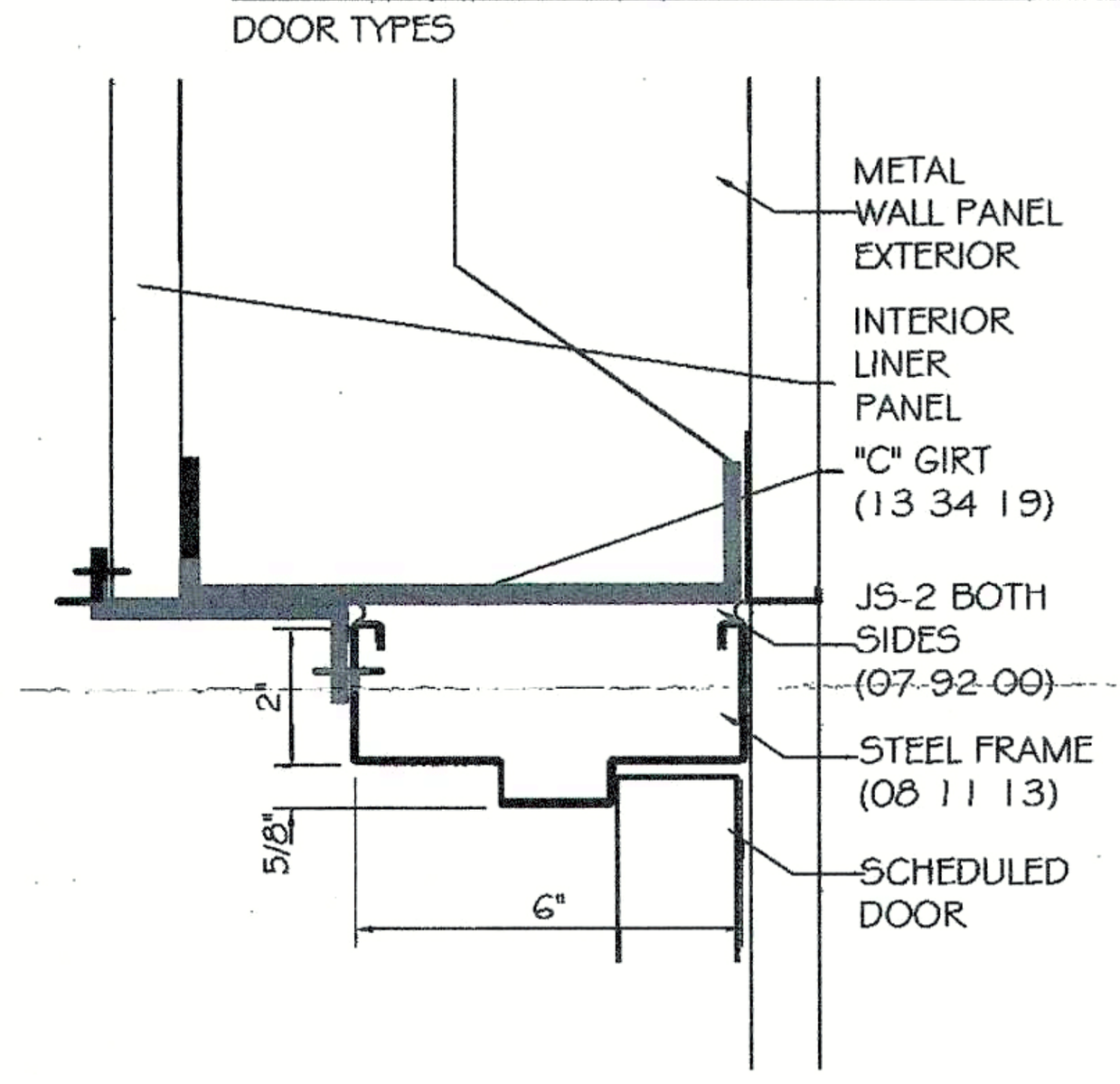
RFI #054 FOR GAUGE SIZE OF DOORS

RFI #058 FOR CYLINDERS



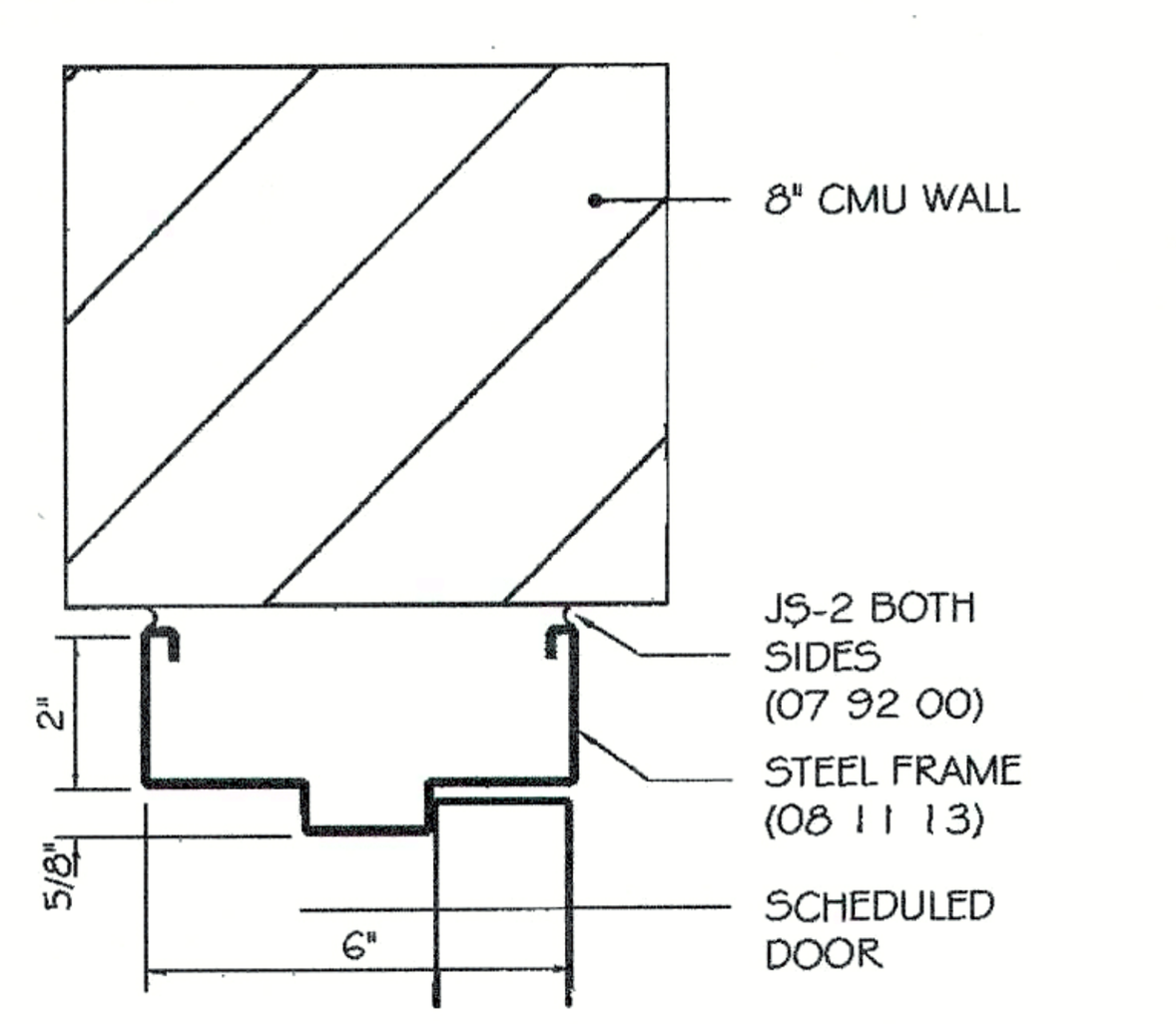
DETAIL K-A511

INTERIOR HM DOOR FRAME HEAD AT CMU PARTITION



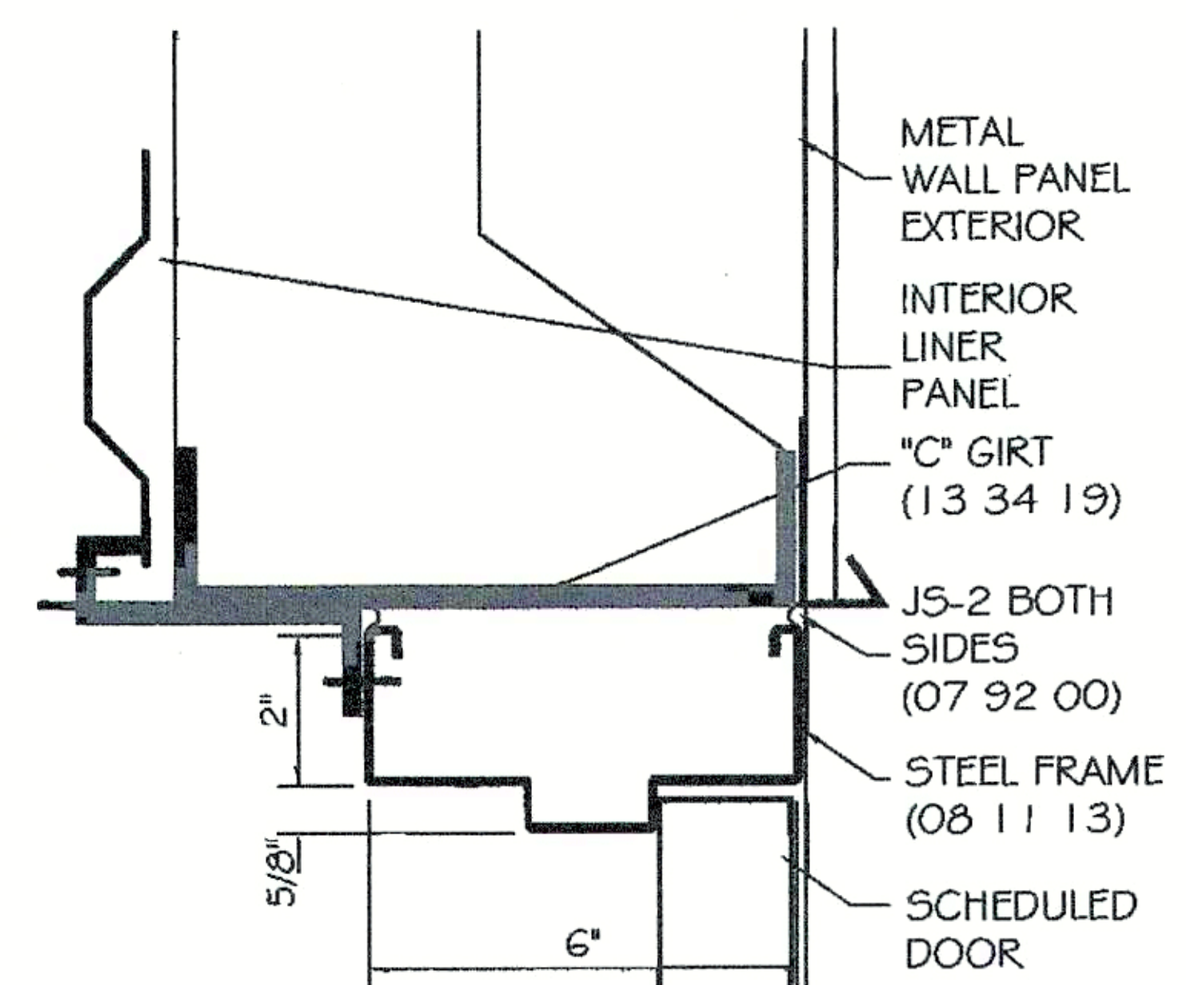
DETAIL L-A511

EXTERIOR HM DOOR FRAME HEAD AT METAL PANEL WALL



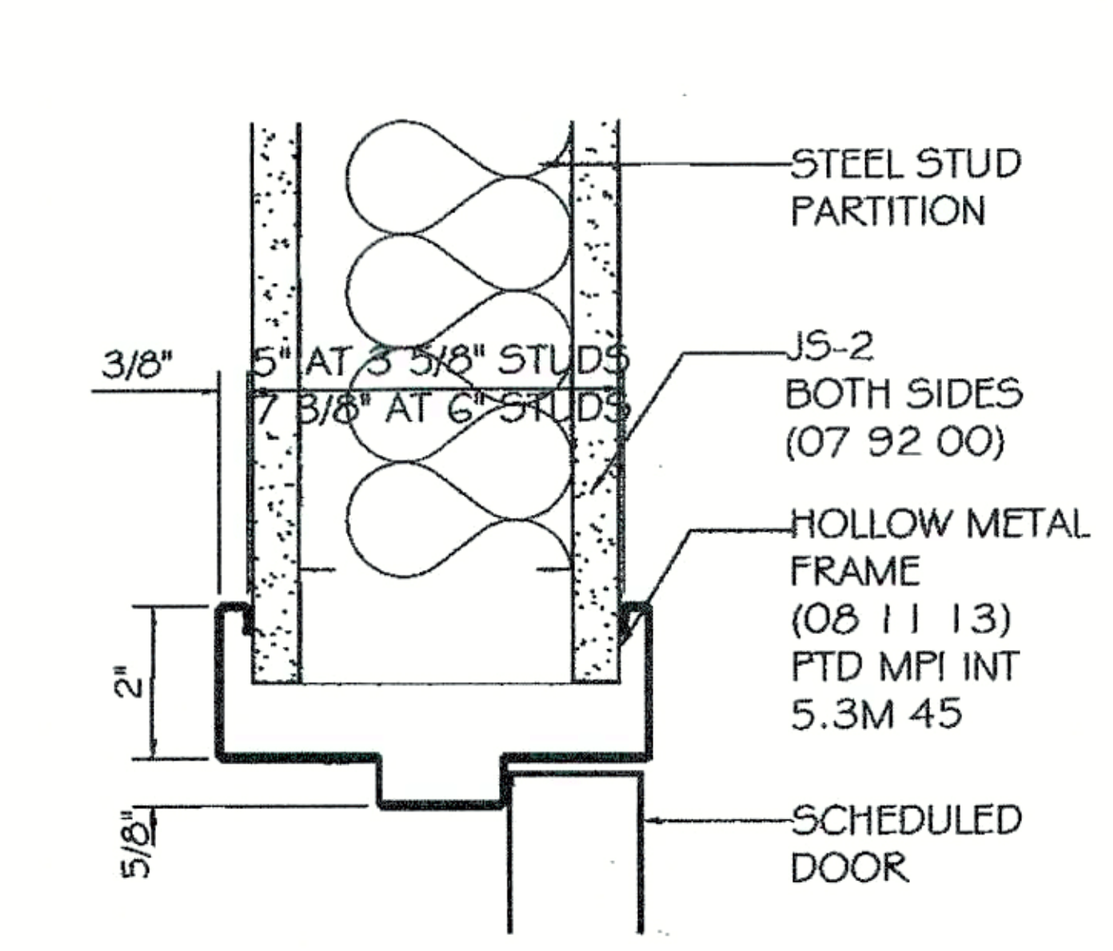
DETAIL P-A511

INTERIOR HM DOOR FRAME JAMB AT CMU PARTITION



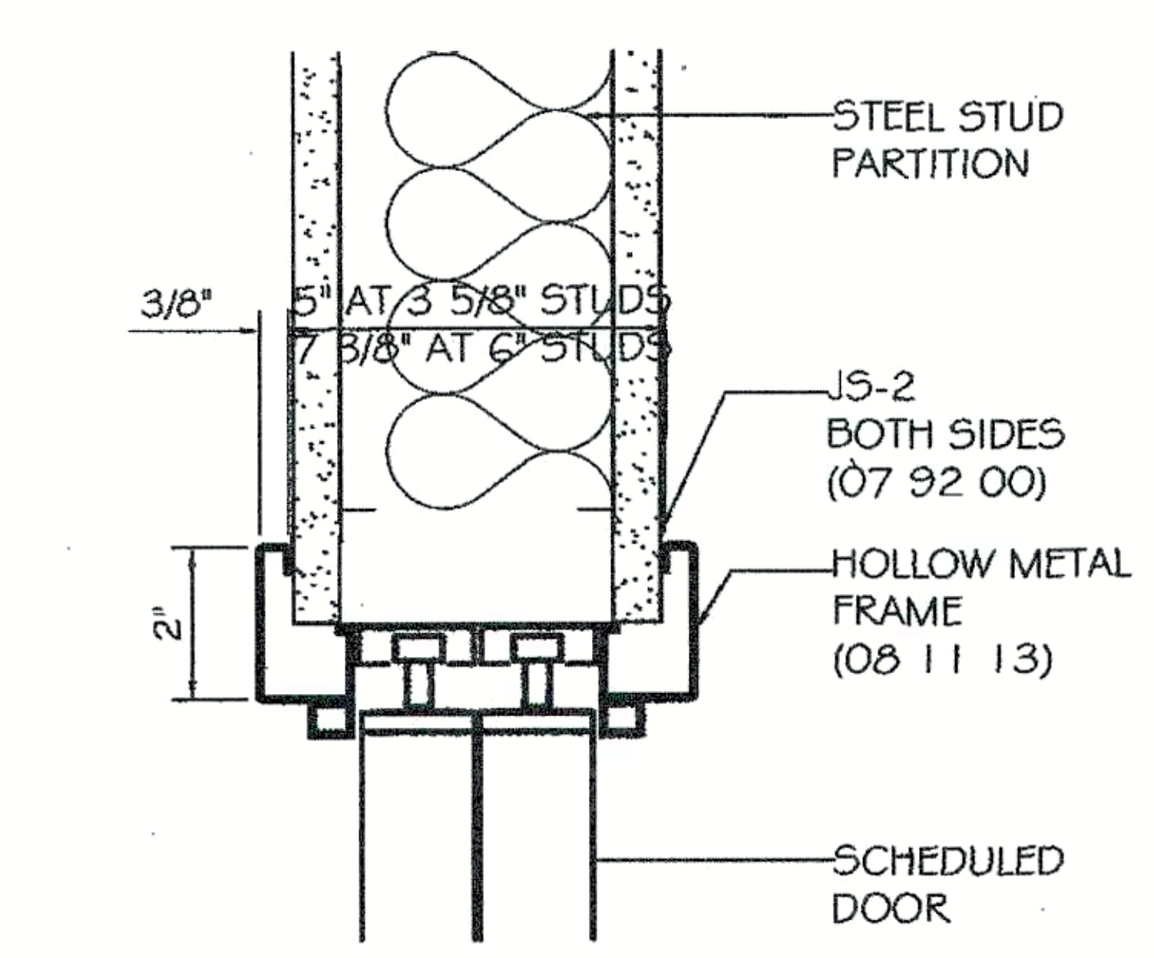
DETAIL Q-A511

EXTERIOR HM DOOR FRAME JAMB AT METAL PANEL WALL



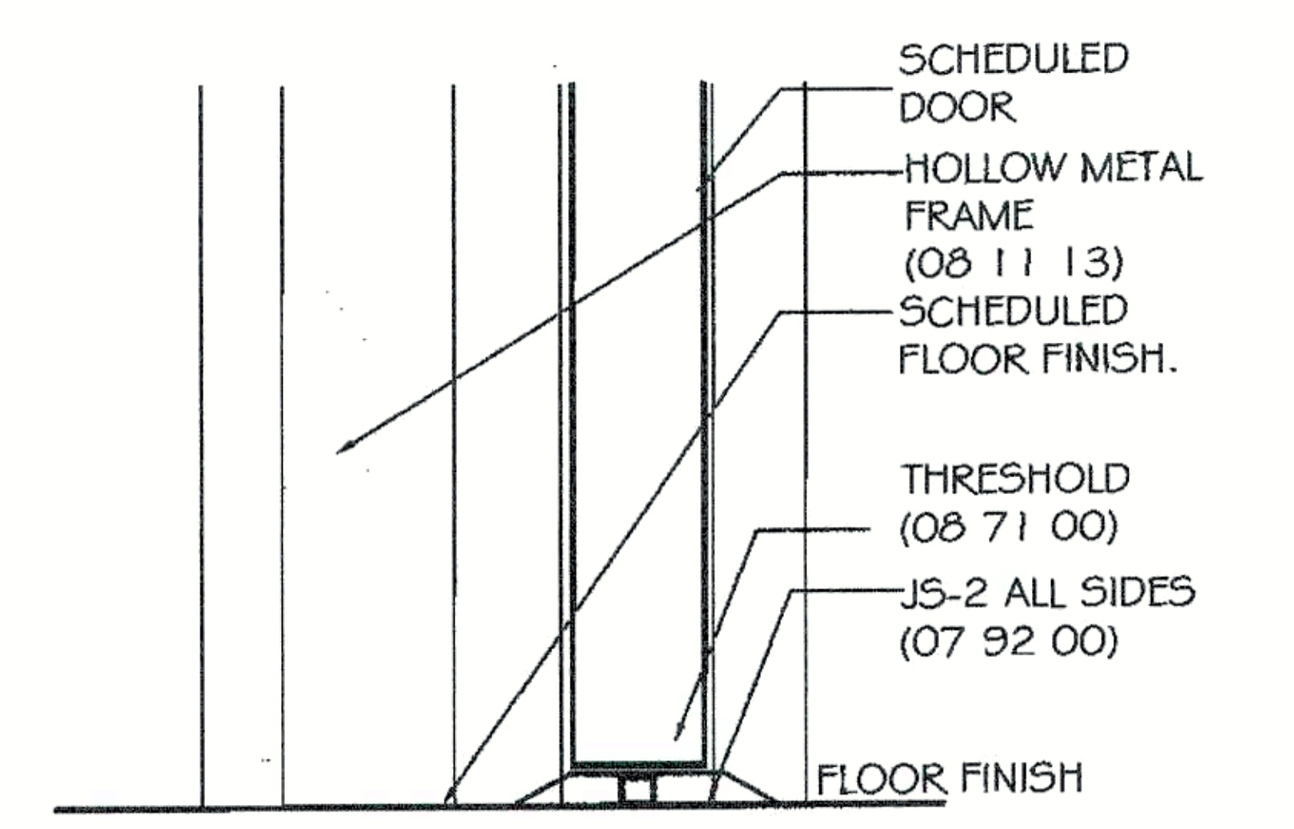
DETAIL R-A511

INT HM DOOR FRAME HEAD AT STEEL STUD PARTITION



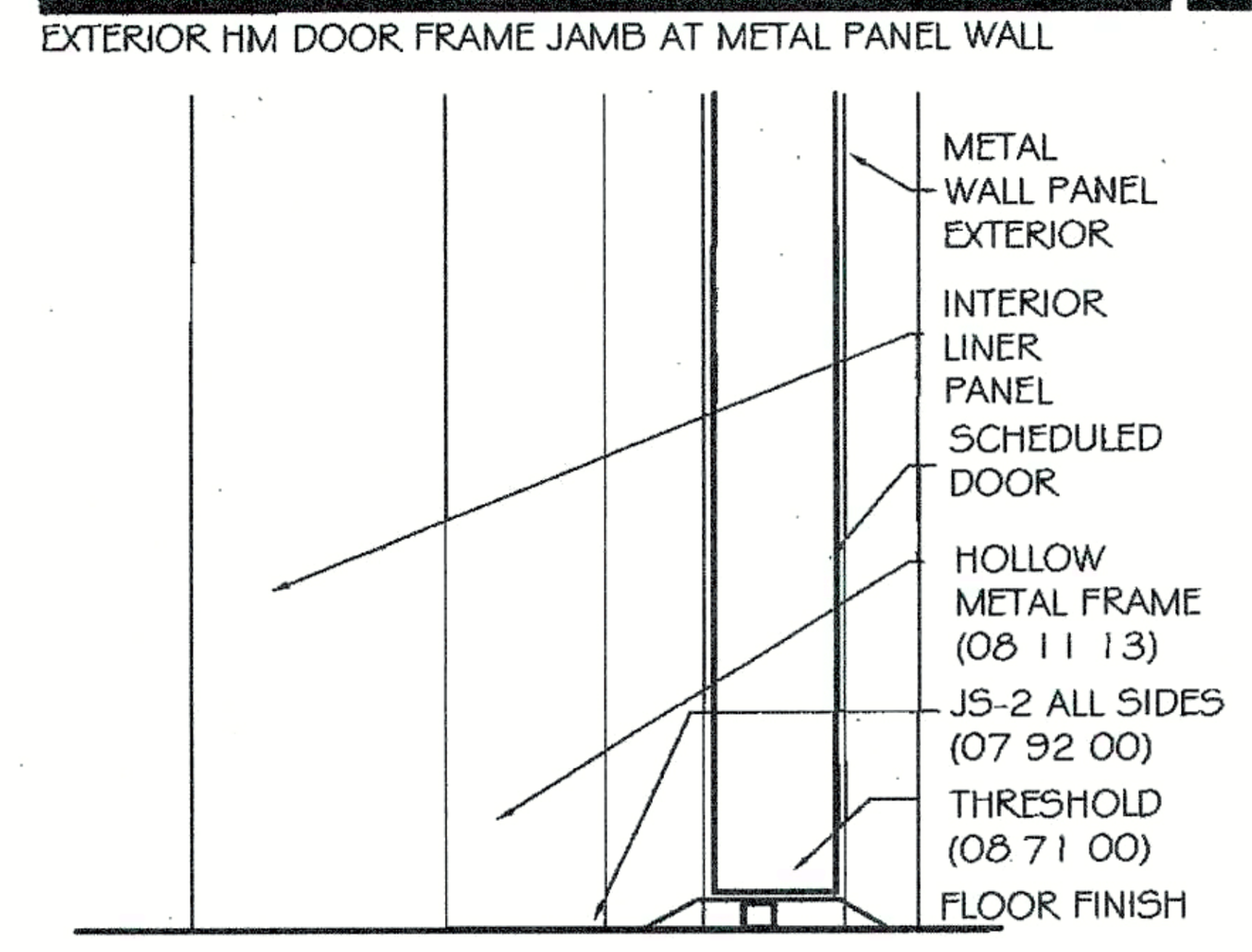
DETAIL S-A511

INTERIOR SLIDING DOOR FRAME HEAD AT STEEL STUD PARTITION



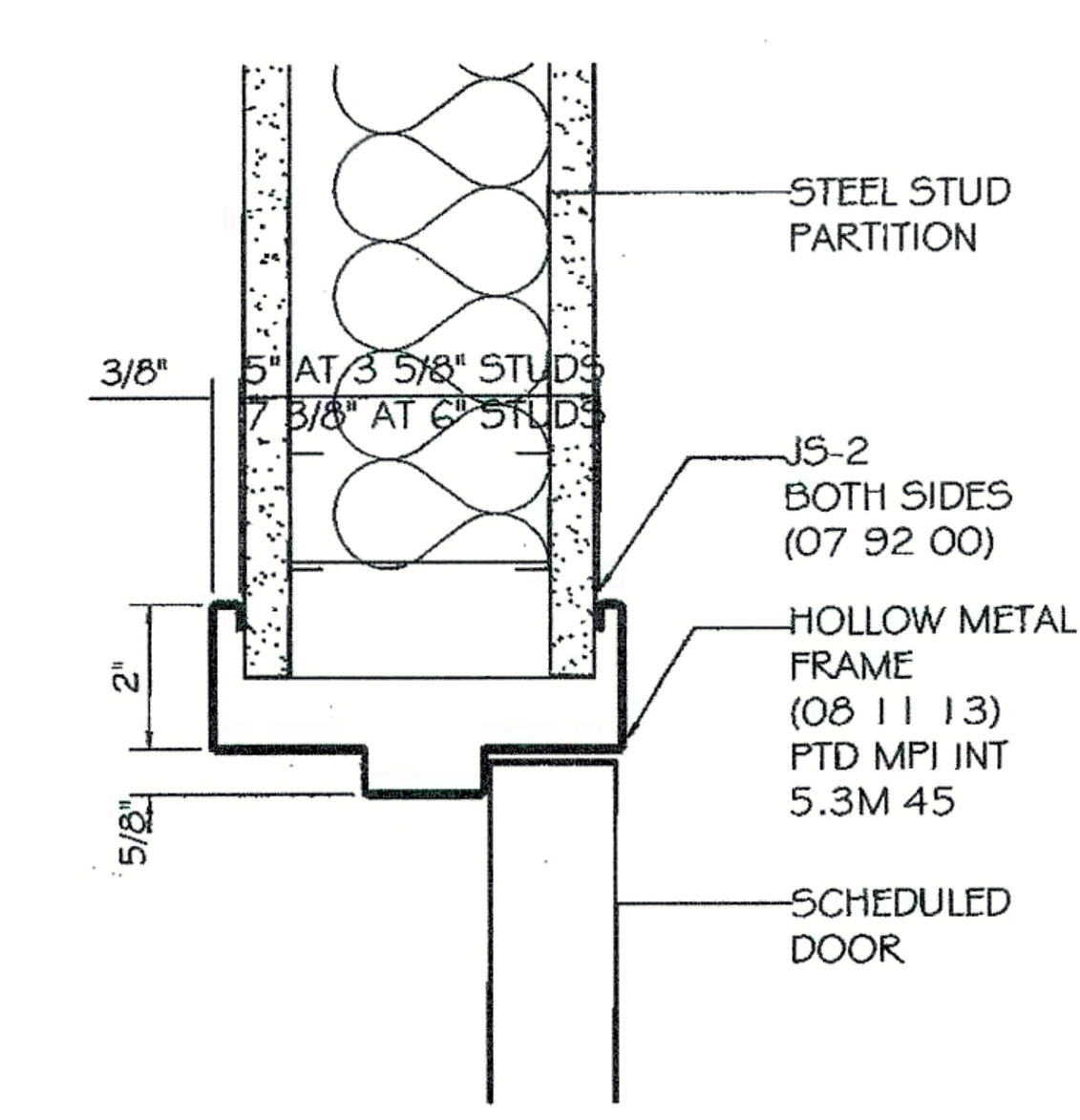
DETAIL U-A511

INTERIOR HM DOOR FRAME SILL AT CMU PARTITION



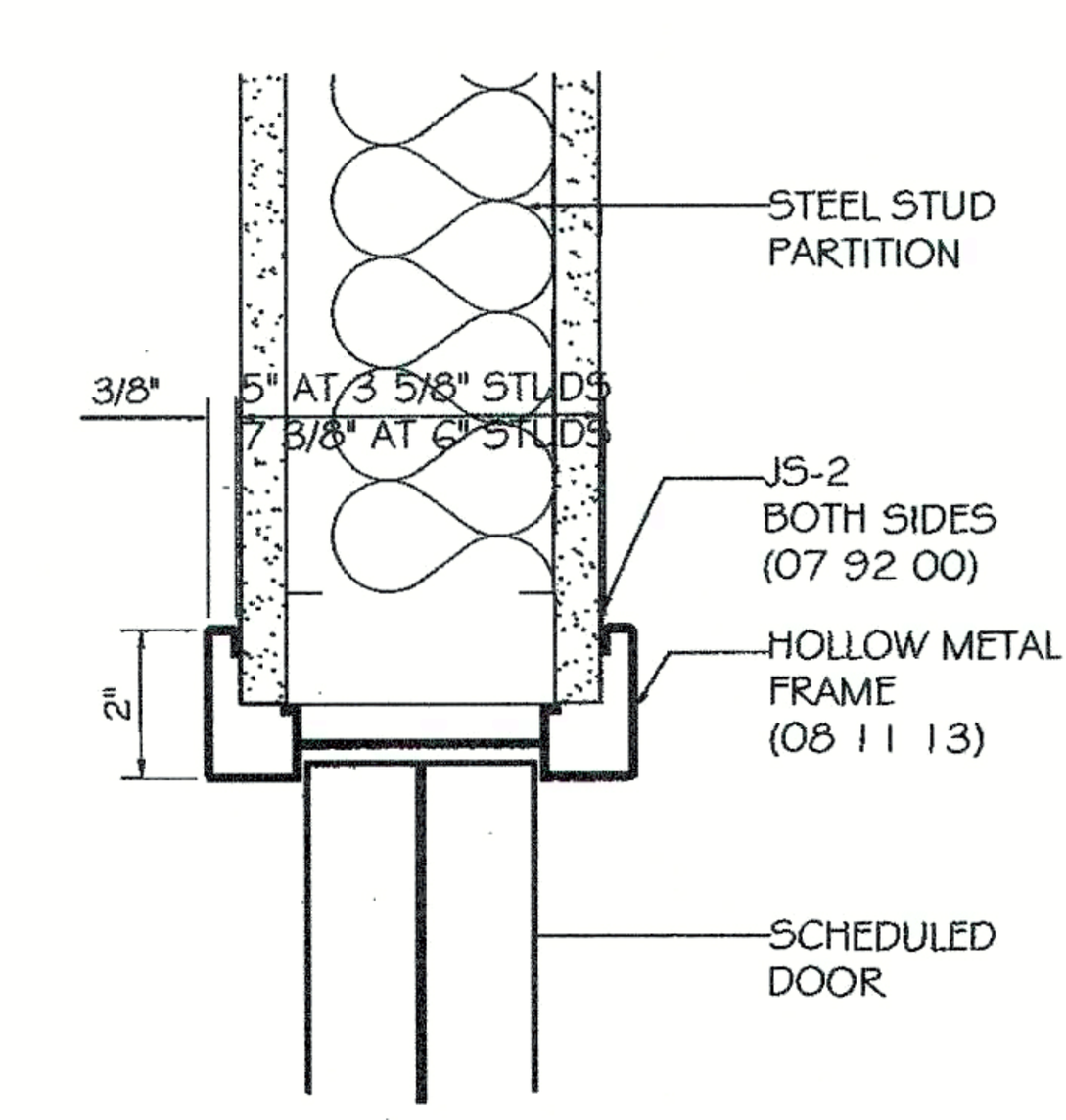
DETAIL V-A511

EXTERIOR HM DOOR FRAME SILL AT METAL PANEL WALL



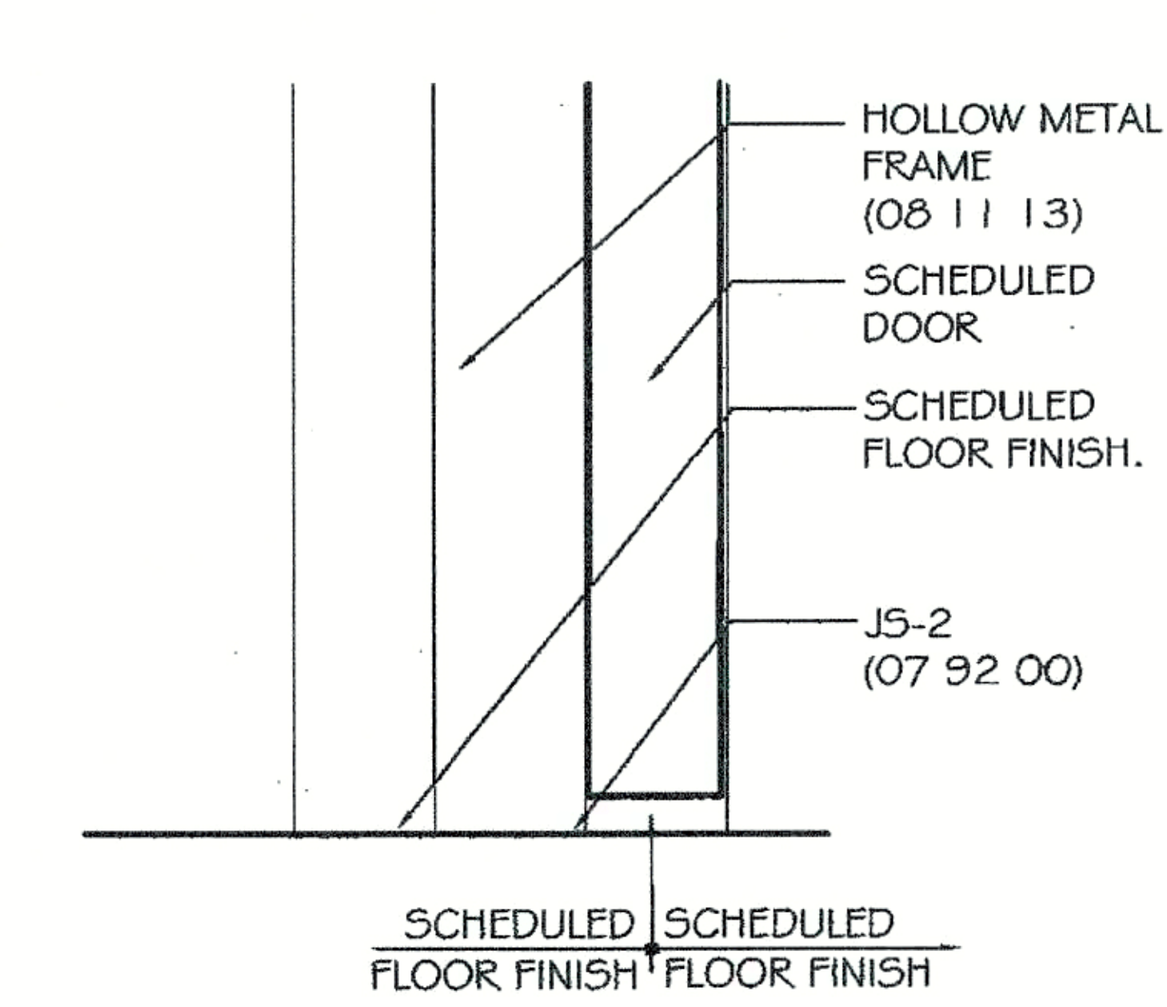
DETAIL W-A511

INT HM DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL X-A511

INTERIOR SLIDING DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL Y-A511

DOOR FRAME SILL FOR HM DOOR AND SLIDING HM AT STEEL STUD PARTITION

THOMAS & MARKER CONSTRUCTION

Renouveau Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING CONFORMED DOCUMENTS MAY 16, 2014

REVISED:
JULY 22, 2014
JULY 30, 2014
AUGUST 15, 2014
SEPTEMBER 2, 2014

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A511

DOOR TYPES
DOOR SCHEDULE
DOOR DETAILS

ROOM FINISH SCHEDULE ATHENS

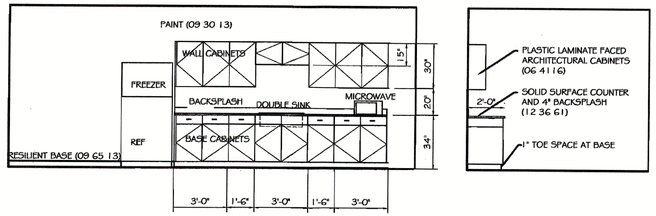
MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR: SEALED CONCRETE 03 30 00	FLOOR: RESINOUS FLOORING 09 67 23	FLOOR: RECESSED WALKOFF MAT	BASE: RESILIENT WALL BASE 09 65 13	BASE: COVED RESINOUS FLOORING 09 67 23	BASE: NONE	WALLS: SEALED CONCRETE BLOCK 04 22 00	WALLS: CONCRETE BLOCK - LOCK BLOCK 04 22 00	WALLS: CONCRETE BLOCK SOUNDWALL 04 22 00	WALLS: METAL LINER PANEL - WALL 13 34 19	WALLS: CERAMIC TILE - TO 7'-0" 09 30 00	WALLS: PAINTED GWB 09 91 23	WALLS: PAINTED GWB - EPOXY 09 91 23	WALLS: PAINTED CMU 09 96 00	WALLS: FRP PANELS 09 77 00	WALLS: EXPOSED STRUCTURE	CEILING: SUSPENDED FRP PANELS 09 77 00	CEILING: METAL LINER PANEL - CEILING 13 34 19	CEILING: PAINTED SUSPENDED GWB - LATEX 09 91 23	CEILING: PAINTED SUSPENDED GWB - EPOXY 09 91 23	CEILING: SUSPENDED ACOUSTIC PANEL 09 51 13	CEILING: EXPOSED STRUCTURE - PAINTED 09 96 00	HT.	REMARKS
OMF 01	COUNTY MANAGER OFFICE					●			●							●								●			9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF					●			●							●								●			9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR					●			●							●								●			9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR					●			●							●								●			9' - 0"	
OMF 05	TIMEKEEPER OFFICE					●			●							●								●			9' - 0"	
OMF 06	BREAKROOM					●			●							●								●			9' - 0"	
OMF 07	WOMENS RESTROOM					●				●					●		●							●	●			9' - 0"	
OMF 08	MENS RESTROOM					●				●					●		●							●	●			9' - 0"	
OMF 09	ELECTRICAL ROOM					●			●							●								●			9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM					●			●							●								●			9' - 0"	
OMF 11	RADIO ROOM					●			●															●			9' - 0"	
OMF12.1	WELDING BAY			●						●			●					●				●			●			
OMF12.2	LIGHT TRUCK MAINTENANCE			●						●			●					●				●			●			
OMF12.3	HEAVY TRUCK MAINTENANCE			●						●			●					●				●			●			
OMF 13	POL			●						●			●					●				●		●				
OMF 14	COMPRESSOR ROOM			●						●			●					●				●		●				
OMF 15	PART ROOM / MECHANICS OF			●				●					●					●				●		●				
OMF 16	WASH BAY			●						●			●					●									22' - 0"	
OMF 17	INCLUDED IN OMF 014																											
OMF 18	JANITOR CLOSET					●			●								●					●				9' - 0"	
OMF 19	INCLUDED IN OMF 006																											
OMF20.1	STORAGE ROOM IN OMF 001					●			●								●					●				8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001					●			●								●					●				8' - 0"	
OMF21.1	CLOSET					●			●								●					●				8' - 0"	
OMF21.2	CLOSET					●			●								●					●				8' - 0"	
OMF 22	VESTIBULE					●	●		●								●							●			9' - 0"	
OMF 23	OFFICE CORRIDOR					●			●								●							●			9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR			●		●			●				●				●							●			9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE					●			●								●							●			9' - 0"	
TS 01	TRUCK STORAGE			●						●			●									●			●			
CS 01	COLD STORAGE			●						●										●					●			
CS 02	COLD STORAGE			●						●										●					●			
CS 03	COLD STORAGE			●						●										●					●			
CS 04	COLD STORAGE			●						●										●					●			
CS 05	COLD STORAGE			●						●										●					●			
CS 06	COLD STORAGE			●						●										●					●			
CS 07	COLD STORAGE			●						●										●					●			
MS 01	MATERIAL STORAGE			●						●			●									●			●			
MS 02	MATERIAL STORAGE			●						●			●									●			●			
MS 03	MATERIAL STORAGE			●						●			●									●			●			
MS 04	MATERIAL STORAGE			●						●			●									●			●			
SS 01	SALT STORAGE			●						●															●			

CODED NOTES

DESIGNATIONS

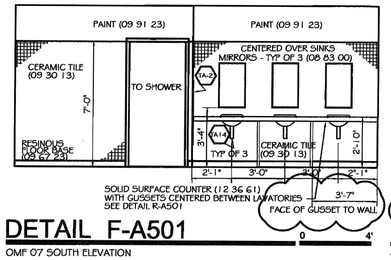
TOILET ACCESSORIES

- TA2 COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE STAINLESS STEEL (10 28 00).
- TA3 TOILET TISSUE DISPENSER - 2 ROLL STAINLESS STEEL (10 28 00).
- TA4 SANITARY NAPKIN DISPOSAL UNIT STAINLESS STEEL (10 28 00).
- TA5 TOILET SEAT COVER DISPENSER STAINLESS STEEL(10 28 00).
- TA6 GRAB BAR STAINLESS STEEL(10 28 00).
- TA7 GRAB BAR STAINLESS STEEL(10 28 00).
- TA8 GRAB BAR STAINLESS STEEL(10 28 00).
- TA9 SHOWER CURTAIN ROD FOR ACCESSIBLE SHOWER (10 28 00).
- TA10 CLOTHES AND ACCESSORIES HOOK STAINLESS STEEL(10 28 00).
- TA11 FOLDING SHOWER SEAT STAINLESS STEEL (10 28 00).
- TA12 TOWEL BAR TUBULAR STAINLESS STEEL (10 28 00).
- TA13 SHOWER SOAP DISH STAINLESS STEEL (10 28 00).
- TA14 UNDERLAVATORY INSULATING GUARD (10 28 00).
- TA15 UTILITY SHELF 16XG STAINLESS STEEL (10 28 00).
- TA16 MOP AND BROOM HOLDER 36 WITH 3 HOOKS STAINLESS STEEL (10 28 00).
- TA17 18" GRAB BAR STAINLESS STEEL (10 28 00).



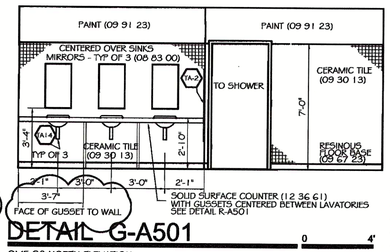
DETAIL A-A501

OMF 06 NORTH ELEVATION AND CABINET PROFILE



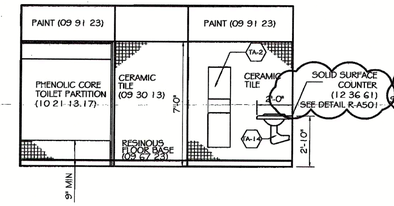
DETAIL F-A501

OMF 07 SOUTH ELEVATION



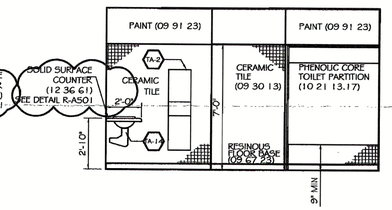
DETAIL G-A501

OMF 08 NORTH ELEVATION



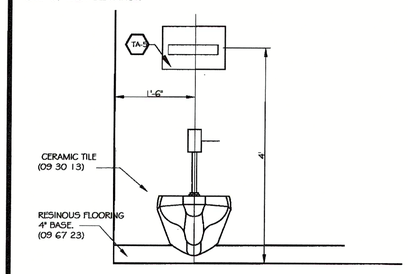
DETAIL K-A501

OMF 07 EAST ELEVATION



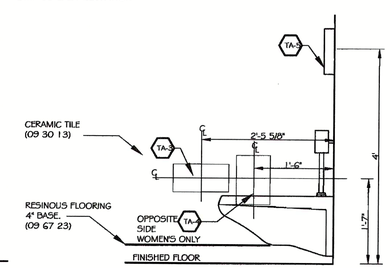
DETAIL L-A501

OMF 08 EAST ELEVATION



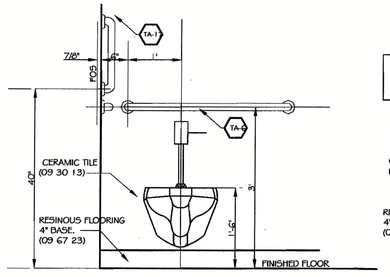
DETAIL P-A501

TYPICAL WC FRONT ELEVATION



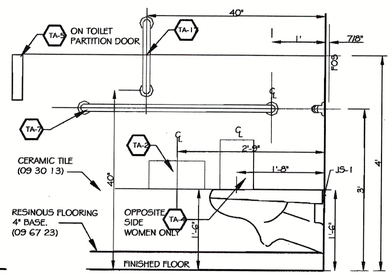
DETAIL Q-A501

TYPICAL WC SIDE ELEVATION



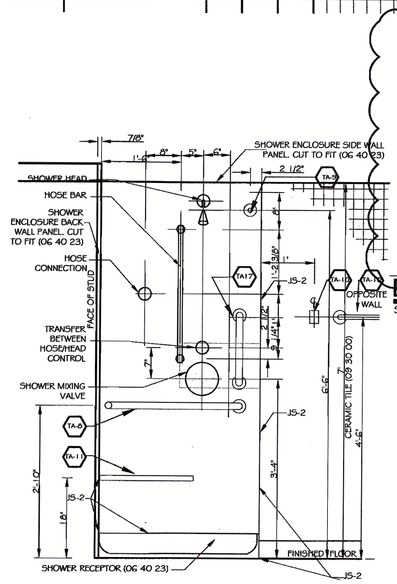
DETAIL U-A501

TYPICAL ACCESSIBLE WC FRONT ELEVATION



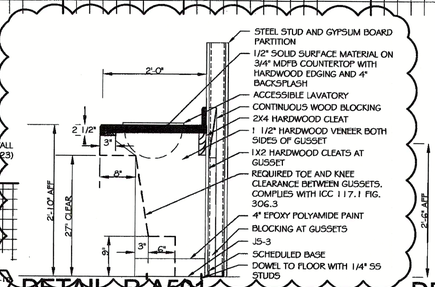
DETAIL V-A501

TYPICAL ACCESSIBLE WC SIDE ELEVATION



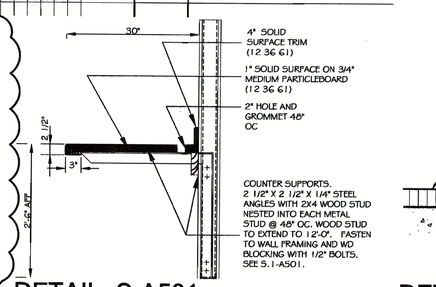
DETAIL W-A501

OFM 8 ACCESSIBLE SHOWER CONTROL WALL, OFM 7 SHOWER MIRROR IMAGE



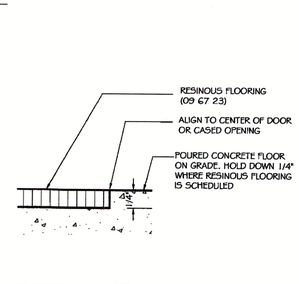
DETAIL R-A501

SECTION OF LAVATORY COUNTER IN TOILET ROOMS



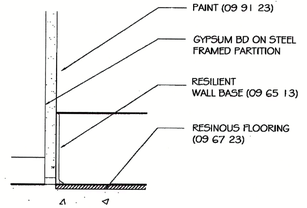
DETAIL S-A501

TYPICAL OFFICE COUNTER DESK SECTION



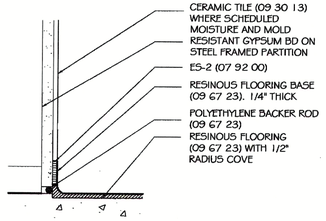
DETAIL T-A501

RESINOUS FLOORING TRANSITION



DETAIL X-A501

FLOORING BASE AT TYPICAL OFFICE WALL



DETAIL Y-A501

RESINOUS FLOORING BASE AT CERAMIC TILE WALL

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS JUNE 18, 2014

REVISED: JUNE 25, 2014 JULY 25, 2014

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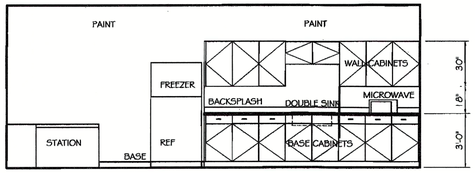
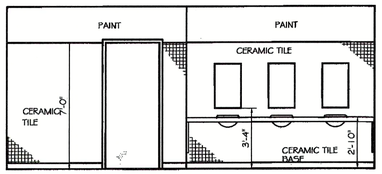
ROOM FINISH SCHEDULE INTERIOR ELEVATIONS



DETAIL A-A501

0 4"

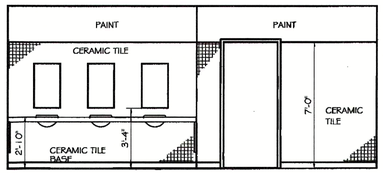
OMF 06 NORTH ELEVATION



DETAIL F-A501

0 4"

OMF 07 SOUTH ELEVATION



DETAIL G-A501

0 4"

OMF 08 NORTH ELEVATION

ROOM FINISH SCHEDULE ATHENS

MARK	ROOM NAME	SF	S.F./ OCC.	OCC. LOAD	FLOOR: SEALED CONCRETE 03 30 00	FLOOR: EPOXY COATING 09 91 23	FLOOR: RECESSED WALKOFF MAT	BASE: RESILIENT WALL BASE 06 11 13	BASE: CERAMIC TILE 09 30 00	BASE: NONE	WALLS: SEALED CONCRETE BLOCK 04 22 00	WALLS: CONCRETE BLOCK - LOCK BLOCK 04 22 00	WALLS: CONCRETE BLOCK SOUNDWALL 04 22 00	WALLS: METAL LINER PANEL - WALL 07 42 13	WALLS: CERAMIC TILE - TO 7'-0" 09 30 00	WALLS: PAINTED GWB - LATEX 09 91 23	WALLS: PAINTED GWB - EPOXY 09 91 23	WALLS: PAINTED CMU - EPOXY 09 91 23	WALLS: CMU - FLUOROPOLYMER COATING 09 91 23	WALLS: EXPOSED STRUCTURE	CEILING: SUSPENDED FRP PANELS 05 64 00	CEILING: METAL LINER PANEL - CEILING 07 42 13	CEILING: PAINTED SUSPENDED GWB - LATEX 09 91 23	CEILING: PAINTED SUSPENDED GWB - EPOXY 09 91 23	CEILING: SUSPENDED ACOUSTIC PANEL 09 51 13	CEILING: EXPOSED STRUCTURE	HT.	REMARKS
OMF 01	COUNTY MANAGER OFFICE				●			●								●									●		9' - 0"	
OMF 02	DISTRICT TRAFFIC DEPT OFF				●			●								●									●		9' - 0"	
OMF 03	CONSTRUCTION SUPERVISOR				●			●								●									●		9' - 0"	
OMF 04	CONSTRUCTION INSPECTOR				●			●								●									●		9' - 0"	
OMF 05	TIMEKEEPER OFFICE				●			●								●									●		9' - 0"	
OMF 06	BREAKROOM				●			●								●									●		9' - 0"	
OMF 07	WOMEN'S RESTROOM				●				●						●		●								●		9' - 0"	
OMF 08	MEN'S RESTROOM				●				●						●		●								●		9' - 0"	
OMF 09	ELECTRICAL ROOM				●			●								●									●		9' - 0"	
OMF 10	MECHANICAL EQUIPMENT RM				●			●								●									●		9' - 0"	
OMF 11	RADIO ROOM				●			●								●									●		9' - 0"	
OMF12.1	WELDING BAY				●				●			●	●					●				●			●			
OMF12.2	LIGHT TRUCK MAINTENANCE				●				●				●					●				●			●			
OMF12.3	HEAVY TRUCK MAINTENANCE				●				●				●					●				●			●			
OMF 13	POL				●				●				●					●				●	●				9' - 0"	
OMF 14	COMPRESSOR ROOM				●				●				●					●				●	●				9' - 0"	
OMF 15	PART ROOM / MECHANICS OF				●			●				●	●					●				●			●		9' - 0"	
OMF 16	WASH BAY				●				●										●			●					9' - 0"	
OMF 17	INCLUDED IN OMF 014																											
OMF 18	JANITOR CLOSET				●			●									●					●					9' - 0"	
OMF 19	INCLUDED IN OMF 006																											
OMF20.1	STORAGE ROOM IN OMF 001				●			●								●						●					8' - 0"	
OMF20.2	STORAGE ROOM IN OMF 001				●			●								●						●					8' - 0"	
OMF21.1	CLOSET				●			●								●						●					8' - 0"	
OMF21.2	CLOSET				●			●								●						●					8' - 0"	
OMF 22	VESTIBULE					●		●								●									●		9' - 0"	
OMF 23	OFFICE CORRIDOR				●			●								●									●		9' - 0"	
OMF23.1	EMPLOYEE ENTRY CORRIDOR				●	●		●				●	●			●						●			●		9' - 0"	
OMF 24	TRUCK MAINTENANCE OFFICE				●			●								●									●		9' - 0"	
T5 01	TRUCK STORAGE				●				●			●	●									●			●			
C5 01	COLD STORAGE				●				●											●					●			
C5 02	COLD STORAGE				●				●											●					●			
C5 03	COLD STORAGE				●				●											●					●			
C5 04	COLD STORAGE				●				●											●					●			
C5 05	COLD STORAGE				●				●											●					●			
C5 06	COLD STORAGE				●				●											●					●			
C5 07	COLD STORAGE				●				●											●					●			
M5 01	MATERIAL STORAGE				●				●			●								●					●			
M5 02	MATERIAL STORAGE				●				●			●								●					●			
M5 03	MATERIAL STORAGE				●				●			●								●					●			
M5 04	MATERIAL STORAGE				●				●			●								●					●			
S6 01	SALT STORAGE					●			●			●								●					●			

DETAIL R-A501

0 NTC

ROOM FINISH SCHEDULE

CODED NOTES

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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ROOM FINISH SCHEDULE
INTERIOR ELEVATIONS

WINDOW SCHEDULE

MARK	WINDOW SIZE	FRAME		GLASS	FIRE	DETAILS			REMARKS
		TYPE	MATERIAL			HEAD	JAMB	SILL	
WOMF001A	4'-0" H X 6'-0" W								
WOMF024A	4'-0" H X 6'-0" W								
WOMF002A	4'-0" H X 6'-0" W								
WOMF006A	4'-0" H X 18'-0" W								
WOMF004A	4'-0" H X 9'-0" W								
WOMF003A	4'-0" H X 3'-0" W								
WOMF005B	4'-0" H X 3'-0" W								
WOMF005A	4'-0" H X 6'-0" W								

TM THOMAS & MARKER CONSTRUCTION

Resource Design, Inc. RDI

PRE-ENGINEERED METAL BUILDING

DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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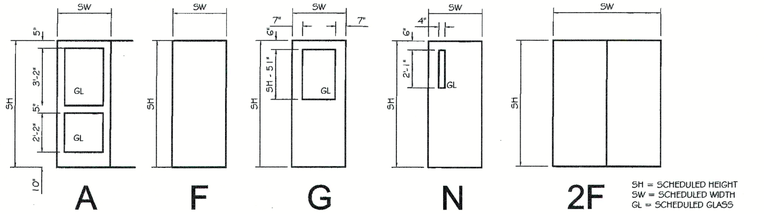
A503

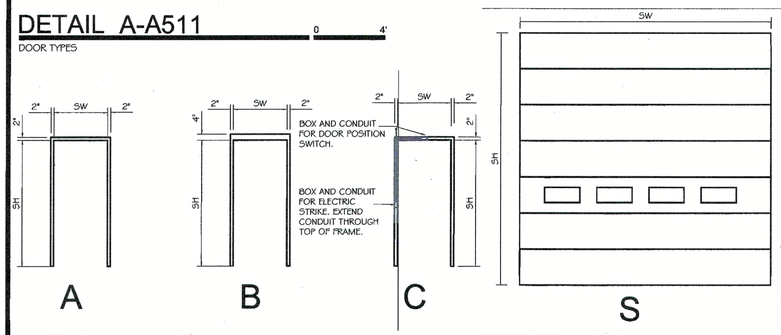
DRAWINGS COVER SHEET



DETAIL A-A511

0 4'

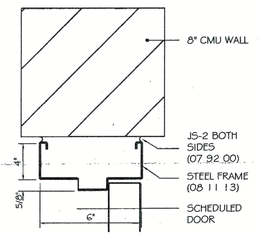
DOOR TYPES



DETAIL F-A511

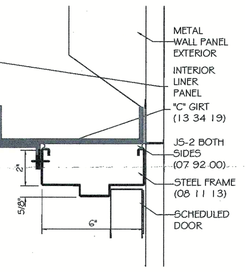
0 4'

FRAME TYPES



DETAIL G-A511

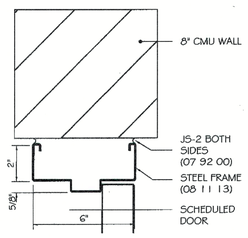
DOOR TYPES



DETAIL K-A511

0 4'

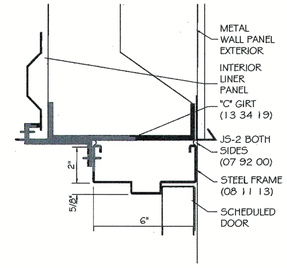
INTERIOR HM DOOR FRAME HEAD AT CMU PARTITION



DETAIL L-A511

0 4'

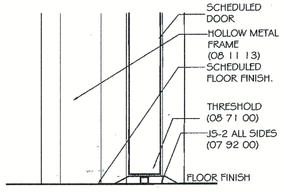
EXTERIOR HM DOOR FRAME HEAD AT METAL PANEL WALL



DETAIL P-A511

0 4'

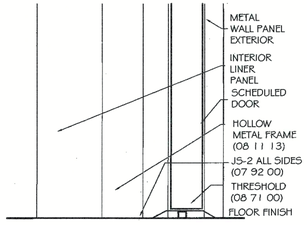
INTERIOR HM DOOR FRAME JAMB AT CMU PARTITION



DETAIL Q-A511

0 4'

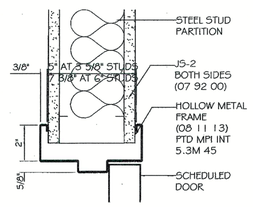
EXTERIOR HM DOOR FRAME JAMB AT METAL PANEL WALL



DETAIL R-A511

0 4'

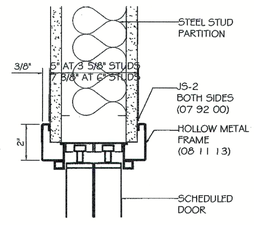
INT HM DOOR FRAME HEAD AT STEEL STUD PARTITION



DETAIL S-A511

0 4'

INTERIOR SLIDING DOOR FRAME HEAD AT STEEL STUD PARTITION



DETAIL U-A511

0 4'

INTERIOR HM DOOR FRAME SILL AT CMU PARTITION

DETAIL V-A511

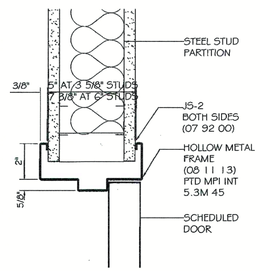
0 4'

EXTERIOR HM DOOR FRAME SILL AT METAL PANEL WALL

DETAIL W-A511

0 4'

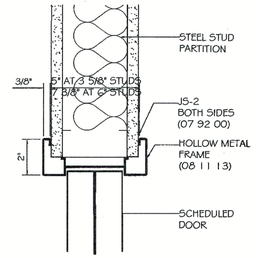
INT HM DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL X-A511

0 4'

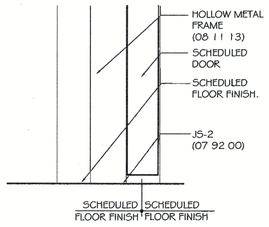
INTERIOR SLIDING DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL Y-A511

0 4'

DOOR FRAME SILL FOR HM DOOR AND SLIDING HM AT STEEL STUD PARTITION



L1-M=50i 250.6 LEVEL 1- METALLIC COATED STEEL
L11-M=50i 250.6 LEVEL 11- METALLIC COATED STEEL
L11-G =50i 250.6 LEVEL 11- GALVANIZED SHEET
L111-M=50i 250.6 LEVEL 111 - METALLIC COATED STEEL
L111-G=50i 250.6 LEVEL 111 - GALVANIZED SHEET

DOOR SCHEDULE ATHENS

SEE BULLETIN 008

MARK	DOOR SIZE	FIRE	DOOR TYPE	DOOR MT'L	FRAME TYPE	FRAME MT'L	GLASS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HDWR	CONTROL	HAND	REMARKS	MARK
OMF 100	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 100
OMF 101	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 101
OMF 102	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 102
OMF 103	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 103
OMF 104	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 104
OMF 105	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 105
OMF 106	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD AL2 HL	OMF 106
OMF 107	3'-0" W x 7'-0" H x 1-3/4" T		F	08 41 13	C	08 41 13		L-A511	Q-A511	V-A511	C01				OMF 107
OMF 108	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD AL2 HL	OMF 108
OMF 109	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 109
OMF 110	8'-0" W x 8'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 110
OMF 01A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	L-A511	Q-A511	V-A511	C03				OMF 01A
OMF 01B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C03				OMF 01B
OMF 02A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 02A
OMF 03A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 03A
OMF 04A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 04A
OMF 05A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05A
OMF 05B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05B
OMF 05C	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C03				OMF 05C
OMF 06A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06A
OMF 06B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06B
OMF 07A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 07A
OMF 07B	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 07B
OMF 08A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 08A
OMF 08B	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 08B
OMF 09A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C09				OMF 09A
OMF 10A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 10A
OMF 11A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 11A
OMF12.1A	PR 4'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C06				OMF12.1A
OMF12.1B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04			PROVIDE SWEEP	OMF12.1B
OMF12.1C	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04			PROVIDE SWEEP	OMF12.1C
OMF12.1D	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF12.1D
OMF 13A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 13A
OMF 14A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 14A
OMF 15A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 15A
OMF 16A	3'-0" W x 7'-0" H x 1-3/4" T		G	08 41 13	B	08 41 13	SGFT-C				C04				OMF 16A
OMF 18A	3'-0" W x 7'-0" H x 1-3/4" T LII-G		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C04			1" UNDERCUT	OMF 18A
OMF21.1A	PR 3'-0" W x 7'-0" H x 1-3/4" T LII-M		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.1A
OMF21.2A	PR 3'-0" W x 7'-0" H x 1-3/4" T LII-M		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.2A
OMF 22A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	L-A511	Q-A511	V-A511	C07				OMF 22A
OMF 23A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 23A
OMF 24A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 24A
TS 100	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 100
TS 101	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 101
TS 102	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 102
															TS 103
TS 103	20'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C	L-A511	Q-A511	V-A511	---			SD 52 HL	TS 104
TS 104	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A512	Q-A512	V-A512	C02				TS 105
TS 106	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				TS 106
TS 107	20'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	
TS 01A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				TS 001A
CS 100	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				CS 100
CS 101	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 101
CS 102	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 102
CS 103	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 103
CS 104	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 104
CS 105	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 105

CODED NOTES

THOMAS & MARKER CONSTRUCTION

Resource Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDER
CONFORMED
DOCUMENTS
MARCH 28, 2014

REVISED:
JULY 22, 2014
JULY 30, 2014
AUGUST 15, 2014
SEPTEMBER 2, 2014

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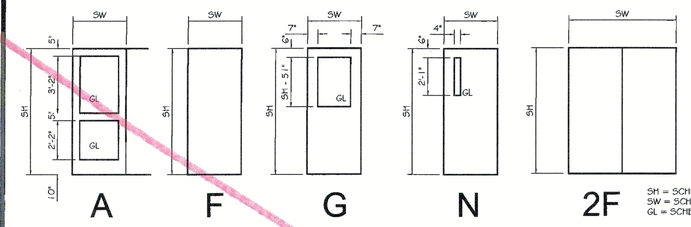
A511

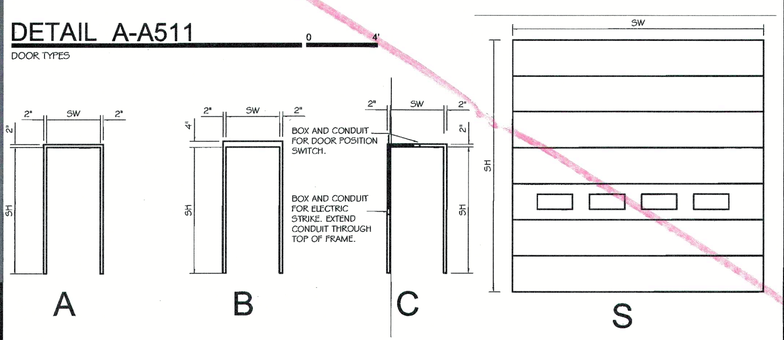
DOOR TYPES
DOOR SCHEDULE
DOOR DETAILS



SH = SCHEDULED HEIGHT
SW = SCHEDULED WIDTH
GL = SCHEDULED GLASS

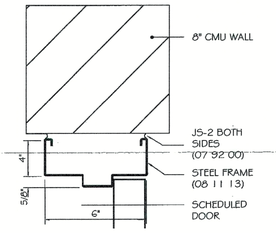
DETAIL A-A511

DOOR TYPES



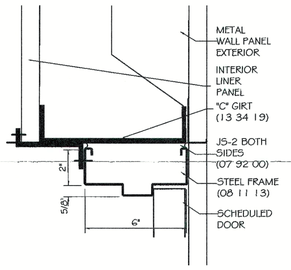
DETAIL F-A511

FRAME TYPES



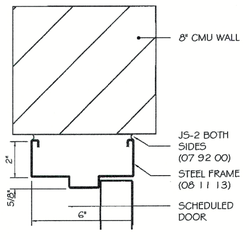
DETAIL G-A511

DOOR TYPES



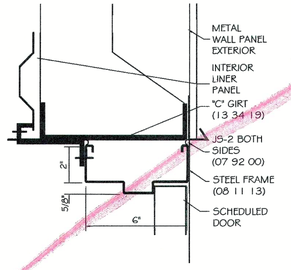
DETAIL K-A511

INTERIOR HM DOOR FRAME HEAD AT CMU PARTITION



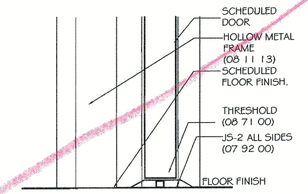
DETAIL L-A511

EXTERIOR HM DOOR FRAME HEAD AT METAL PANEL WALL



DETAIL P-A511

INTERIOR HM DOOR FRAME JAMB AT CMU PARTITION

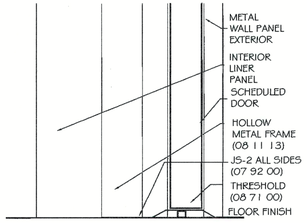


DETAIL U-A511

INTERIOR HM DOOR FRAME SILL AT CMU PARTITION

DETAIL Q-A511

EXTERIOR HM DOOR FRAME JAMB AT METAL PANEL WALL

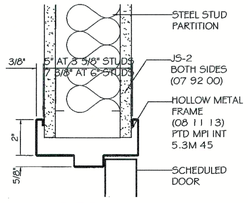


DETAIL V-A511

EXTERIOR HM DOOR FRAME SILL AT METAL PANEL WALL

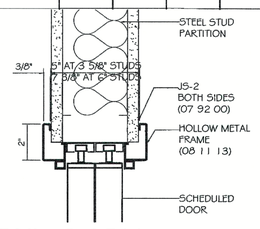
DETAIL R-A511

INT HM DOOR FRAME HEAD AT STEEL STUD PARTITION



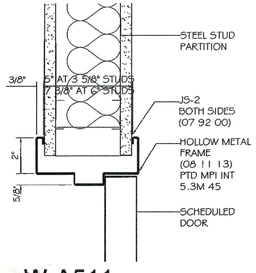
DETAIL S-A511

INTERIOR SLIDING DOOR FRAME HEAD AT STEEL STUD PARTITION



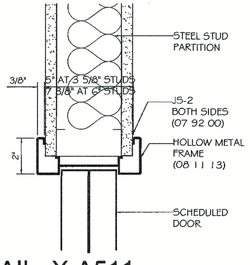
DETAIL W-A511

INT HM DOOR FRAME JAMB AT STEEL STUD PARTITION



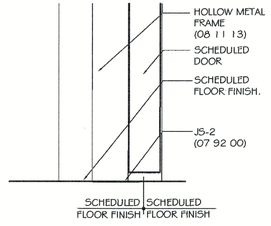
DETAIL X-A511

INTERIOR SLIDING DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL Y-A511

DOOR FRAME SILL FOR HM DOOR AND SLIDING HM AT STEEL STUD PARTITION



LI-M=SDI 250.8 LEVEL I - METALLIC COATED STEEL
LII-M=SDI 250.8 LEVEL II - METALLIC COATED STEEL
LII-G =SDI 250.8 LEVEL II - GALVANIZED SHEET
LIII-M=SDI 250.8 LEVEL III - METALLIC COATED STEEL
LIII-G=SDI 250.8 LEVEL III - GALVANIZED SHEET

DOOR SCHEDULE ATHENS

MARK	DOOR SIZE	FIRE	DOOR TYPE	DOOR MT'L	FRAME TYPE	FRAME MT'L	GLASS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HDWR	CONTROL	HAND	REMARKS	MARK
OMF 100	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 100
OMF 101	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 101
OMF 102	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 102
OMF 103	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 103
OMF 104	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 104
OMF 105	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 105
OMF 106	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD AL2 HL	OMF 106
OMF 107	3'-0" W x 7'-0" H x 1-3/4" T		F	08 41 13	C	08 41 13		L-A511	Q-A511	V-A511	C01				OMF 107
OMF 108	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD AL2 HL	OMF 108
OMF 109	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 109
OMF 110	8'-0" W x 8'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 110
OMF 01A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	L-A511	Q-A511	V-A511	C03				OMF 01A
OMF 01B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C03				OMF 01B
OMF 02A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 02A
OMF 03A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 03A
OMF 04A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 04A
OMF 05A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05A
OMF 05B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05B
OMF 05C	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C03				OMF 05C
OMF 06A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06A
OMF 06B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06B
OMF 07A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 07A
OMF 07B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 07B
OMF 08A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 08A
OMF 08B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 08B
OMF 09A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C09				OMF 09A
OMF 10A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 10A
OMF 11A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 11A
OMF12.1A	PR 4'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C06				OMF12.1A
OMF12.1B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04			PROVIDE SWEEP	OMF12.1B
OMF12.1C	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04			PROVIDE SWEEP	OMF12.1C
OMF12.1D	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF12.1D
OMF 13A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 13A
OMF 14A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 14A
OMF 15A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 15A
OMF 16A	3'-0" W x 7'-0" H x 1-3/4" T		G	08 41 13	B	08 41 13	SGFT-C				C04				OMF 16A
OMF 18A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C04			1" UNDERCUT	OMF 18A
OMF21.1A	PR 3'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.1A
OMF21.2A	PR 3'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.2A
OMF 22A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	L-A511	Q-A511	V-A511	C07				OMF 22A
OMF 23A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 23A
OMF 24A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 24A
TS 100	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 100
TS 101	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 101
TS 102	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 102
															TS 103
TS 103	20'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C	L-A511	Q-A511	V-A511	---			SD 52 HL	TS 104
TS 104	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A512	Q-A512	V-A512	C02				TS 105
TS 106	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				TS 106
TS 107	20'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	
TS 01A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				TS 001A
CS 100	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				CS 100
CS 101	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 101
CS 102	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 102
CS 103	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 103
CS 104	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 104
CS 105	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 105
CS 106	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 106
CS 107	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 107
CS 108	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				CS 108
CS 109	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				CS 109

CODED NOTES

THOMAS & MARKER CONSTRUCTION

Resources Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
REVISED 7/22/2014

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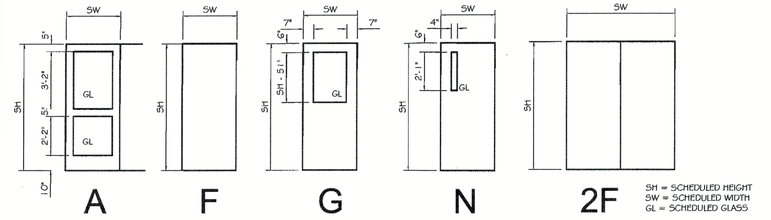
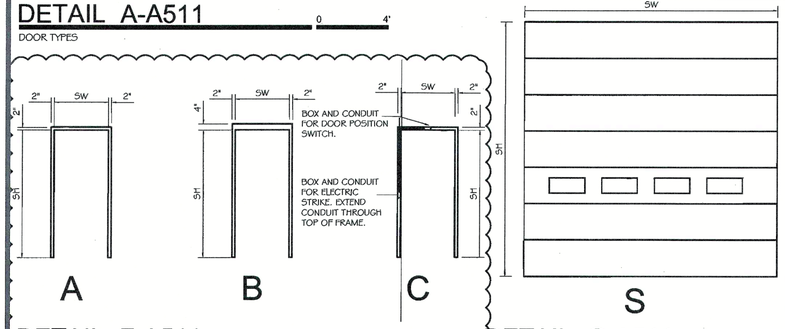
A511

DOOR TYPES
DOOR SCHEDULE
DOOR DETAILS



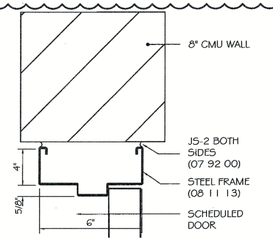
DETAIL A-A511

DOOR TYPES



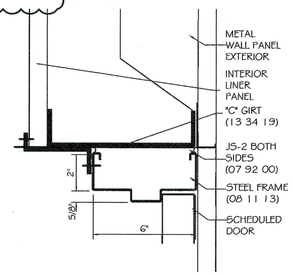
DETAIL F-A511

FRAME TYPES



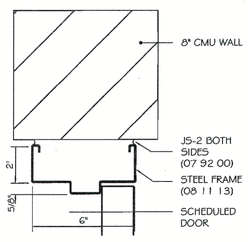
DETAIL G-A511

DOOR TYPES



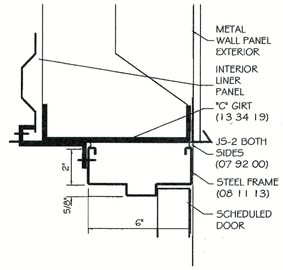
DETAIL K-A511

INTERIOR HM DOOR FRAME HEAD AT CMU PARTITION



DETAIL L-A511

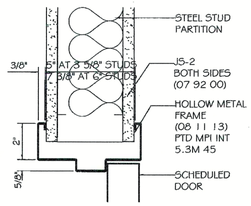
EXTERIOR HM DOOR FRAME HEAD AT METAL PANEL WALL



RFI #054 Exterior Door Stops

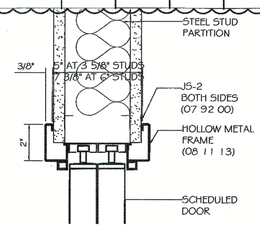
DETAIL R-A511

INT HM DOOR FRAME HEAD AT STEEL STUD PARTITION



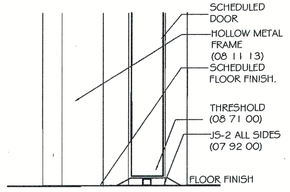
DETAIL S-A511

INTERIOR SLIDING DOOR FRAME HEAD AT STEEL STUD PARTITION



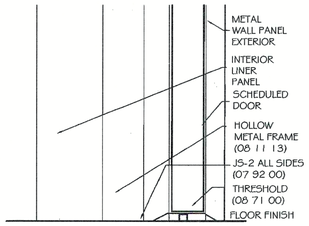
DETAIL P-A511

INTERIOR HM DOOR FRAME JAMB AT CMU PARTITION



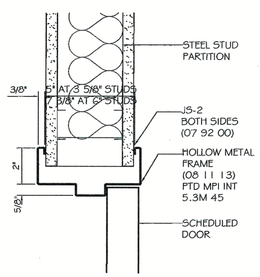
DETAIL Q-A511

EXTERIOR HM DOOR FRAME JAMB AT METAL PANEL WALL



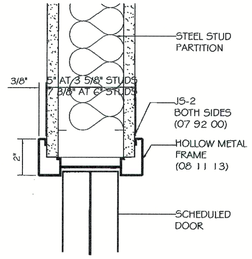
DETAIL W-A511

INT HM DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL X-A511

INTERIOR SLIDING DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL U-A511

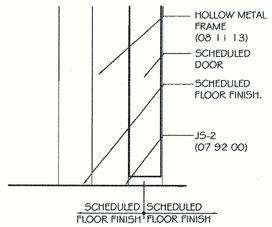
INTERIOR HM DOOR FRAME SILL AT CMU PARTITION

DETAIL V-A511

EXTERIOR HM DOOR FRAME SILL AT METAL PANEL WALL

DETAIL Y-A511

DOOR FRAME SILL FOR HM DOOR AND SLIDING HM AT STEEL STUD PARTITION



LII-M=50I 250.8 LEVEL I - METALLIC COATED STEEL
LII-M=50I 250.8 LEVEL II - METALLIC COATED STEEL
LII-G =50I 250.8 LEVEL II - GALVANIZED SHEET
LIII-M=50I 250.8 LEVEL III - METALLIC COATED STEEL
LIII-G=50I 250.8 LEVEL III - GALVANIZED SHEET

DOOR SCHEDULE ATHENS

MARK	DOOR SIZE	FIRE	DOOR TYPE	DOOR MT'L	FRAME TYPE	FRAME MT'L	GLASS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HDWR	CONTROL	HAND	REMARKS	MARK
OMF 100	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 100
OMF 101	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 101
OMF 102	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	C	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 102
OMF 103	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 103
OMF 104	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 104
OMF 105	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 105
OMF 106	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD AL2 HL	OMF 106
OMF 107	3'-0" W x 7'-0" H x 1-3/4" T		F	08 41 13	C	08 41 13		L-A511	Q-A511	V-A511	C01				OMF 107
OMF 108	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD AL2 HL	OMF 108
OMF 109	16'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 109
OMF 110	8'-0" W x 8'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	OMF 110
OMF 01A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	L-A511	Q-A511	V-A511	C03				OMF 01A
OMF 01B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C03				OMF 01B
OMF 02A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 02A
OMF 03A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 03A
OMF 04A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 04A
OMF 05A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05A
OMF 05B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05B
OMF 05C	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C03				OMF 05C
OMF 06A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06A
OMF 06B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06B
OMF 07A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 07A
OMF 07B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 07B
OMF 08A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 08A
OMF 08B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 08B
OMF 09A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 09A
OMF 10A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 10A
OMF 11A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 11A
OMF12.1A	PR 4'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C06				OMF12.1A
OMF12.1B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04			PROVIDE SWEEP	OMF12.1B
OMF12.1C	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04			PROVIDE SWEEP	OMF12.1C
OMF12.1D	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF12.1D
OMF 13A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 13A
OMF 14A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 14A
OMF 15A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 15A
OMF 16A	3'-0" W x 7'-0" H x 1-3/4" T		G	08 41 13	B	08 41 13	SGFT-C				C04				OMF 16A
OMF 18A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C04			1" UNDERCUT	OMF 18A
OMF21.1A	PR 3'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.1A
OMF21.2A	PR 3'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.2A
OMF 22A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	L-A511	Q-A511	V-A511	C07				OMF 22A
OMF 23A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 23A
OMF 24A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 24A
TS 100	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 100
TS 101	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 101
TS 102	14'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	TS 102
															TS 103
TS 103	20'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C	L-A511	Q-A511	V-A511	---			SD 52 HL	TS 104
TS 104	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A512	Q-A512	V-A512	C02				TS 105
TS 106	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				TS 106
TS 107	20'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL	
TS 01A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				TS 001A
CS 100	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				CS 100
CS 101	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 101
CS 102	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 102
CS 103	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 103
CS 104	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 104
CS 105	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 105
CS 106	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 106
CS 107	12'-0" W x 14'-0" H		S	08 36 13		08 36 13	IG(E)FT-C				---			SD 52 HL - UNINSULATED	CS 107
CS 108	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				CS 108
CS 109	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	C	08 11 13		L-A511	Q-A511	V-A511	C02				CS 109

CODED NOTES

RFI-054 for gauge size of doors

RFI #058 for cylinders

THOMAS & MARKER CONSTRUCTION
Resourceful Designs, Inc. RDI
STATE OF OHIO THOMAS I. CONVERSE 6425 REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
REVISED 6/2/2014

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A511

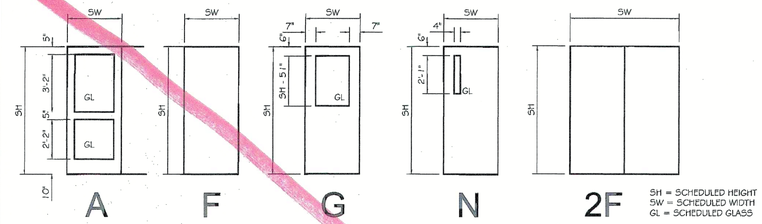
DOOR TYPES
DOOR SCHEDULE
DOOR DETAILS

DOOR SCHEDULE ATHENS

MARK	DOOR SIZE	FIRE	DOOR TYPE	DOOR MT'L	FRAME TYPE	FRAME MT'L	GLASS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HDWR	CONTROL	HAND	REMARKS	MARK
OMF 100	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 100
OMF 101	3'-0" W x 7'-0" H IN STOREFRONT		B	08 41 13	A	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 101
OMF 102	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 102
OMF 103	16'-0" W x 14'-0" H		C	08 36 13	A	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	OMF 103
OMF 104	16'-0" W x 14'-0" H		C	08 36 13	A	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	OMF 104
OMF 105	16'-0" W x 14'-0" H		D	08 36 13	A	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	OMF 105
OMF 106	16'-0" W x 14'-0" H x N		C	08 36 13	A	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D AL2 HL	OMF 106
OMF 107	3'-0" W x 7'-0" H x 1-3/4" T		G	08 41 13	A	08 41 13	IG(E)FT-C	L-A511	Q-A511	V-A511	C01				OMF 107
OMF 108	16'-0" W x 14'-0" H		C	08 36 13	A	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D AL2 HL	OMF 108
OMF 109	16'-0" W x 14'-0" H		C	08 36 13	A	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	OMF 109
OMF 110	8'-0" W x 8'-0" H		D	08 36 13	A	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---				OMF 110
OMF 01A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	L-A511	Q-A511	V-A511	C03				OMF 01A
OMF 01B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C03				OMF 01B
OMF 02A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 02A
OMF 03A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 03A
OMF 04A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 04A
OMF 05A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05A
OMF 05B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C03				OMF 05B
OMF 05C	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C03				OMF 05C
OMF 06A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06A
OMF 06B	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 06B
OMF 07A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 07A
OMF 07B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 07B
OMF 08A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C04				OMF 08A
OMF 08B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C05				OMF 08B
OMF 09A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 09A
OMF 10A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 10A
OMF 11A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		R-A511	W-A511	Y-A511	C07				OMF 11A
OMF12.1A	PR 4'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C06				OMF12.1A
OMF12.1B	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF12.1B
OMF12.1C	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF12.1C
OMF12.1D	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		N	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF12.1D
OMF 13A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 13A
OMF 14A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	B	08 11 13		K-A511	P-A511	U-A511	C04				OMF 14A
OMF 15A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	B	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 15A
OMF 16A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 41 13	B	08 41 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 16A
OMF 18A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	A	08 11 13		L-A511	Q-A511	V-A511	C04				OMF 18A
OMF21.1A	PR 3'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.1A
OMF21.2A	PR 3'-0" W x 7'-0" H x 1-3/4" T LIII-G		2F	08 11 13	A	08 11 13		S-A511	X-A511	Y-A511	C08				OMF21.2A
OMF 22A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	L-A511	Q-A511	V-A511	C07				OMF 22A
OMF 23A	3'-0" W x 7'-0" H IN STOREFRONT		A	08 41 13	A	08 41 13	SGFT-C	R-A511	W-A511	Y-A511	C04				OMF 23A
OMF 24A	3'-0" W x 7'-0" H x 1-3/4" T LII-M		N	08 11 13	A	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				OMF 24A
TS 100	14'-0" W x 14'-0" H x 1-3/4" T		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	TS 100
TS 101	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	TS 101
TS 102	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	TS 102
															TS 103
TS 103	20'-0" W x 14'-0" H		E	08 36 13	E	08 36 13	IG(E)FT-C	L-A511	Q-A511	V-A511	---			5D 52 HL	TS 104
TS 104	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	G	08 11 13		L-A512	Q-A512	V-A512	C02				TS 105
TS 106	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	G	08 11 13		L-A511	Q-A511	V-A511	C02				TS 106
TS 107	20'-0" W x 14'-0" H		E	08 36 13	E	08 36 13	IG(E)FT-C				---			5D 52 HL	
TS 001A	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		G	08 11 13	G	08 11 13	SGFT-C	K-A511	P-A511	U-A511	C04				TS 001A
CS 100	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	G	08 11 13		L-A511	Q-A511	V-A511	C02				CS 100
CS 101	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	CS 101
CS 102	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	CS 102
CS 103	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	CS 103
CS 104	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	CS 104
CS 105	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	CS 105
CS 106	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	CS 106
CS 107	14'-0" W x 14'-0" H		C	08 36 13	C	08 36 13	IG(E)FT-C	L-A512	Q-A512	V-A512	---			5D 52 HL	CS 107
CS 108	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	G	08 11 13		L-A511	Q-A511	V-A511	C02				CS 108
CS 109	3'-0" W x 7'-0" H x 1-3/4" T LIII-G		F	08 11 13	G	08 11 13		L-A511	Q-A511	V-A511	C02				CS 109

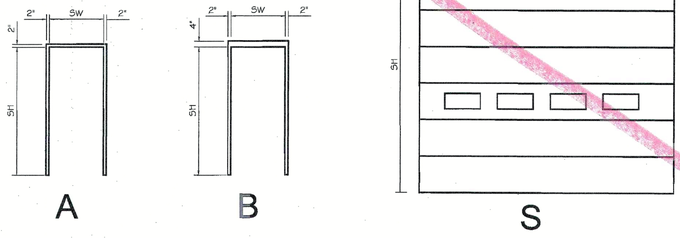
CODED NOTES

SH = SCHEDULED HEIGHT
SW = SCHEDULED WIDTH
GL = SCHEDULED GLASS



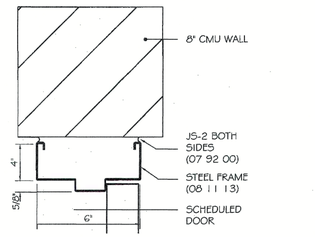
DETAIL A-A511

DOOR TYPES



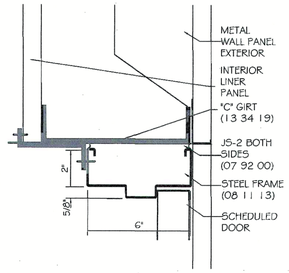
DETAIL F-A511

FRAME TYPES



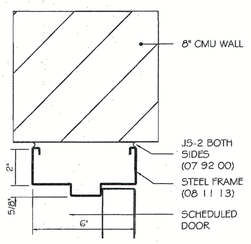
DETAIL G-A511

DOOR TYPES



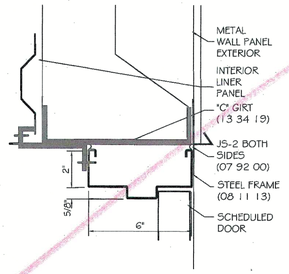
DETAIL K-A511

INTERIOR HM DOOR FRAME HEAD AT CMU PARTITION



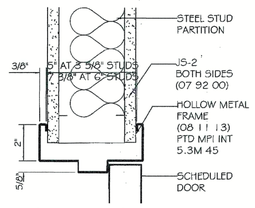
DETAIL L-A511

EXTERIOR HM DOOR FRAME HEAD AT METAL PANEL WALL



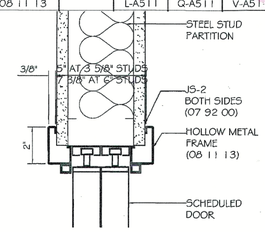
DETAIL R-A511

INT HM DOOR FRAME HEAD AT STEEL STUD PARTITION



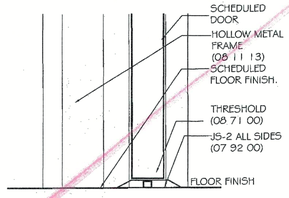
DETAIL S-A511

INTERIOR SLIDING DOOR FRAME HEAD AT STEEL STUD PARTITION



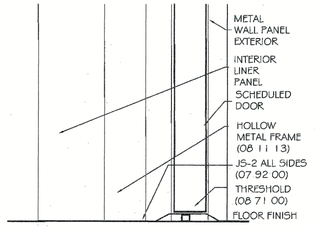
DETAIL P-A511

INTERIOR HM DOOR FRAME JAMB AT CMU PARTITION



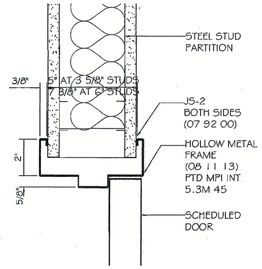
DETAIL Q-A511

EXTERIOR HM DOOR FRAME JAMB AT METAL PANEL WALL



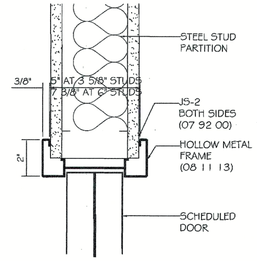
DETAIL W-A511

INT HM DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL X-A511

INTERIOR SLIDING DOOR FRAME JAMB AT STEEL STUD PARTITION



DETAIL U-A511

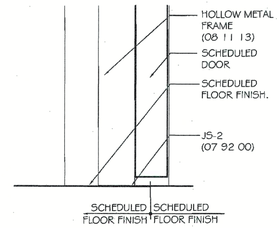
INTERIOR HM DOOR FRAME SILL AT CMU PARTITION

DETAIL V-A511

EXTERIOR HM DOOR FRAME SILL AT METAL PANEL WALL

DETAIL Y-A511

DOOR FRAME SILL FOR HM DOOR AND SLIDING HM AT STEEL STUD PARTITION



THOMAS & MARKER CONSTRUCTION

Resource Design, Inc.
RDI

STATE OF OHIO
THOMAS L CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

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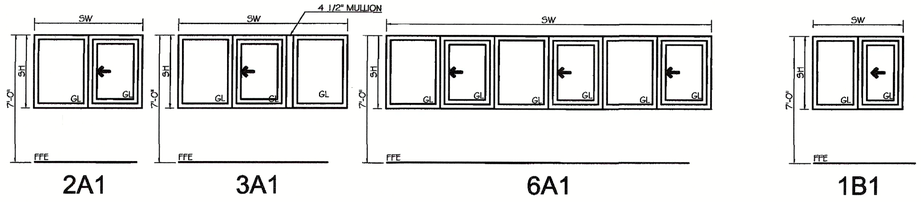
A511

DOOR TYPES
DOOR SCHEDULE
DOOR DETAILS



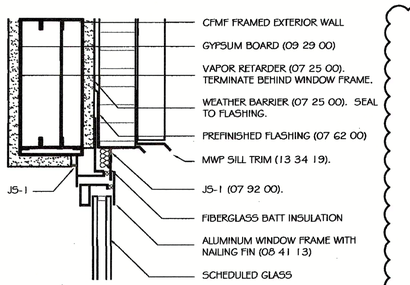
2A1 3A1 6A1 1B1

SH = SCHEDULED HEIGHT
SW = SCHEDULED WIDTH
GL = SCHEDULED GLASS
FFE = FINISH FLOOR ELEVATION

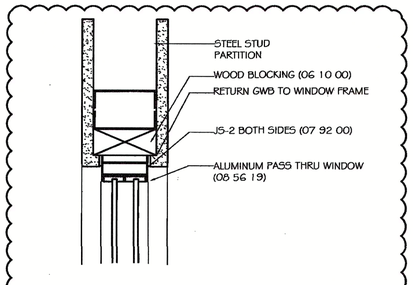
DETAIL A-A521
0 4'
WINDOW TYPES

WINDOW SCHEDULE

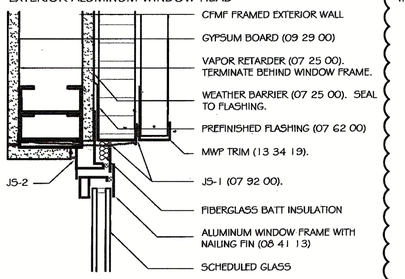
MARK	WINDOW SIZE	FRAME		GLASS	FIRE	DETAILS			REMARKS
		TYPE	MATERIAL			HEAD	JAMB	SILL	
	NN'-NN" H x NN'-NN" W	AAN	NN NN NN.NN	AA-AAAA-N	N-N/N HR	A-ANNN	A-ANNN	A-ANNN	A-ANNN
WOMF001A	4'-0" H X 6'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF024A	4'-0" H X 6'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF002A	4'-0" H X 6'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF006A	4'-0" H X 18'-0" W	6A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF004A	4'-0" H X 9'-4 1/2" W	3A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF003A	4'-0" H X 3'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF005B	4'-0" H X 3'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF005A	4'-0" H X 6'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF022A	4'-0" H X 30" W	1B1	08 56 19			L-A521	Q-A521	V-A521	



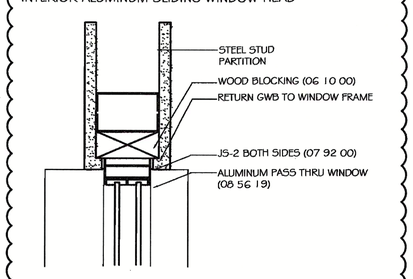
DETAIL K-A521
0 4"
EXTERIOR ALUMINUM WINDOW HEAD



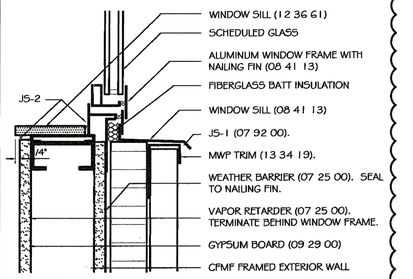
DETAIL L-A521
0 4"
INTERIOR ALUMINUM SLIDING WINDOW HEAD



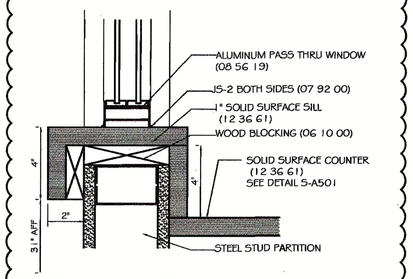
DETAIL P-A521
0 4"
EXTERIOR ALUMINUM WINDOW SILL



DETAIL Q-A521
0 4"
INTERIOR ALUMINUM SLIDING WINDOW JAMB



DETAIL U-A521
0 4"
EXTERIOR ALUMINUM WINDOW SILL



DETAIL V-A521
0 4"
INTERIOR ALUMINUM SLIDING WINDOW SILL

THOMAS & MARKER CONSTRUCTION
Rennwan Design, Inc.
RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
REVISED 6/2/2014

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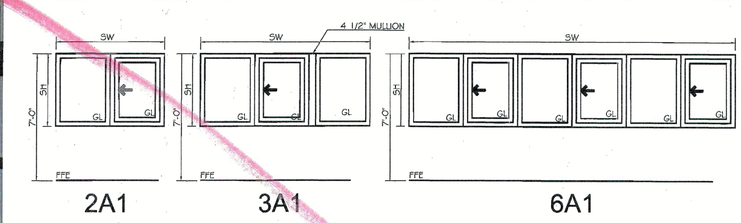
A521

DRAWINGS COVER SHEET

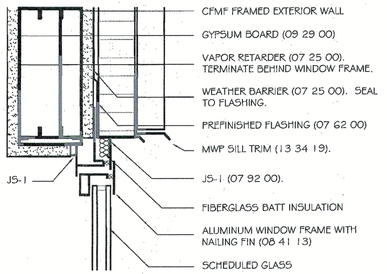


DETAIL A-A521

0 4'

WINDOW TYPES

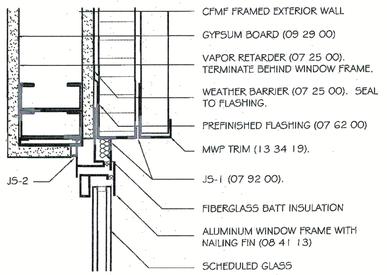
SH = SCHEDULED HEIGHT
SW = SCHEDULED WIDTH
GL = SCHEDULED GLASS
FFE = FINISH FLOOR ELEVATION



DETAIL K-A521

0 4"

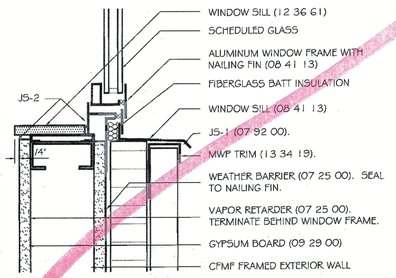
EXTERIOR ALUMINUM WINDOW HEAD



DETAIL P-A521

0 4"

EXTERIOR ALUMINUM WINDOW SILL



DETAIL U-A521

0 4"

EXTERIOR ALUMINUM WINDOW SILL

WINDOW SCHEDULE

MARK	WINDOW SIZE	FRAME TYPE	FRAME MATERIAL	GLASS	FIRE	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	REMARKS
WOMF001A	4'-0" H X 6'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF024A	4'-0" H X 6'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF002A	4'-0" H X 6'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF006A	4'-0" H X 18'-0" W	6A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF004A	4'-0" H X 9'-4 1/2" W	3A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF003A	4'-0" H X 3'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF005B	4'-0" H X 3'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	
WOMF005A	4'-0" H X 6'-0" W	2A1	08 51 13	IG(E)FTC		K-A521	P-A521	U-A521	

THOMAS & MARKER CONSTRUCTION
Renaissance Design, Inc.
RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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DRAWINGS COVER SHEET

PC = PROVIDED BY CONTRACTOR

FO/IC = FURNISHED BY OWNER/INSTALLED BY CONTRACTOR

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	PROVIDED BY	DIMENSIONS				PLUMBING SERVICES	HVAC SERVICES	BTUH	ELECTRICAL SERVICES					
			W	D	H	WEIGHT				VOLTS	PHASE	AMPS	MOTORS	CONDITION	COMM
EQ7001	REFRIGERATOR	PC (11 31 00)													
EQ7002	MICROWAVE	PC (11 31 00)													
EQ7003	BRIDGE CRANE	PC (41 22 13)													
EQ7004	TRUCK TIRE CAGE	FO/IC					COMPRESSED AIR								
EQ7005	TIRE BALANCER	FO/IC								120V	1P				
EQ7006	AUTO TIRE CHANGER	FO/IC					COMPRESSED AIR			120V	1P				
EQ7007	PARTS WASHER	FO/IC								220V	1P	70A			
EQ7008	TIRE RACK	PC (05 50 00)													
EQ7009	LUBE + SERVICE REEL	PC (DIVISION 22)				200									
EQ7010	MOTOR OIL STORAGE	PC (DIVISION 22)													
EQ7011	HYDRAULIC OIL STORAGE	PC (DIVISION 22)													
EQ7012	ATF STORAGE	PC (DIVISION 22)													
EQ7014	ENGINE COOLANT FLUID STORAGE TANK, PUMP, AND PIPING SYSTEM	PC (DIVISION 22)													
EQ7015	WASTE OIL STORAGE	PC (DIVISION 22)													
EQ7016	GEN. PURPOSE GREASE	PC (DIVISION 22)													
EQ7017	HEAVY VEHICLE LIFT	PC (41 23 23)													
EQ7018	DRILL PRESS	FO/IC								120V	1P				
EQ7019	BAND SAW	FO/IC								120V	1P				
EQ7020	GRINDER	FO/IC								120V	1P	4A	1/3 HP		
EQ7021A	WELDER ARC	FO/IC								200V	1P	200A			
EQ7021B	MIG WELDER	FO/IC								230V	1P				
EQ7022	PORTABLE WELDING CURTAIN	PC (11 11 00)													
EQ7023	WALL RACK STORAGE	PC (05 50 00)													
EQ7024	METAL SHELF UNIT	PC (10 56 13)	34	24	42										
EQ7025	PRESSURE WASHER	PC (DIVISION 22)													
EQ7026	AIR COMPRESSOR	PC (DIVISION 22)													
EQ7027	METAL SHELF UNIT	PC (10 56 13)	36	12	84										
EQ7028	METAL SHELF UNIT	PC (10 56 13)	36	18	84										
EQ7029	METAL SHELF UNIT	PC (10 56 13)	36	24	84										
EQ7030	METAL SHELF UNIT	PC (10 56 13)	34	24	42										
EQ7031	MONORAIL CRANE	PC (41 22 13)													
EQ7032	STEEL LOCKER	PC (10 51 13)													
EQ7033	WATER HOSE REEL	PC (11 11 00)													
EQ7034	AIR COMPRESSOR	PC (DIVISION 22)													
EQ7035	DUEL FUEL DISPENSING	PC (33 56 13.2)													
EQ7036	SALT BRINE PRODUCTION	PC (43 22 56)													
EQ7037	SALT BRINE STORAGE	PC (43 22 83)													
EQ7038	CALCIUM DISPENSING	PC (43 22 83)													
EQ7039	CALCIUM STORAGE	PC (43 22 83)													
EQ7040	UPRIGHT BEARING PRESS	FO/IC													
EQ7041	SERV. SUPPORT COLUMN	PC (05 50 00)													
EQ7042	WALK OFF MAT	PC (12 48 13)													
EQ7043	LOOK BLOCK PARTITION	PC													
EQ7044	TIRE SEPARATOR	FO/IC					COMPRESSED AIR								
EQ7045	AIR COMPRESSOR	PC (43 22 56)													

THOMAS & MARKER CONSTRUCTION

RDI

STATE OF OHIO
THOMAS L CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PERFORMANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

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DOCUMENTS
MAY 16, 2014

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DRAWINGS COVER SHEET

BULLETIN

Project:	DOT-130006 **ATHENS FULL SERVICE MAINTENANCE FACILITY**	Bulletin No.:	**006**
		Date of Issue:	September 5, 2014
Owner:	Ohio Department of Transportation	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker	Contract For:	Design-Build Contract
Contract Dated:		Architects' Project No.:	13301

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

'Z' Furring at Metal Wall Panels and CMU

Detail W-A801: Where Metal Wall Panels overlap 8-inch CMU Stem Wall and 2-inch Rigid Insulation, provide 2-inch Z-Furring 16 gauge horizontally 48-inches on center. Attach Z-Furring to CMU with 3/16-inch screws 16-inches-on-center. Attach Metal Wall Panels to Z-Furring as required by Metal Building Systems Manufacturer.

Attachments:

Submitted

Renouveau Design, Inc. — Thomas I. Converse — September 5, 2014 Date

Fwd: Athens ODOT - Metal Siding Base Trim

Andry, Tom

Wed 8/20/2014 11:01 AM

To:Tom Converse <tconverse@rdicolumbus.com>; Hannahs, Joe <jhannahs@thomas-marker.com>; Gonzalez, German <ggonzalez@thomas-marker.com>; Matulja, Rick <rmatulja@thomas-marker.com>;

FYI. We are good to go.

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P): 614.754.8349
(F): 614.824.1605
(C): 937.407.5229
Athens ODOT Full Service Facility

Sent from my iPhone

Begin forwarded message:

From: "Ricks, Billy Joe (GSMMS)" <BillyJoe.Ricks@gulfstatesmanufacturers.com>
Date: August 20, 2014 at 10:45:40 AM EDT
To: "Andry, Tom" <tandry@thomas-marker.com>
Subject: RE: Athens ODOT - Metal Siding Base Trim

I do not have a problem with that.

From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Wednesday, August 20, 2014 9:37 AM
To: Tom Converse; Pryor, Billy E. (GSMMS); Ricks, Billy Joe (GSMMS)
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: Athens ODOT - Metal Siding Base Trim

Billy,
As we just discussed:

1. It is acceptable to install the exterior insulation at the base of the metal siding between the metal siding and the 2' rigid insulation/protection board? We will wrap the vapor barrier back up a couple of inches at the bottom to protect the batt insulation. The batt insulation will be sandwiched between the protection board and the metal siding.
2. As for the base angle, this can be deleted as the base trim will be anchored to the masonry.

Please confirm that the above are acceptable per our conversation.

Tom,
Please confirm that this is acceptable to you. Thanks.
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

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THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 023

REQUEST FOR INFORMATION

TO:	JGA & RDI Architects	**DATE:**	21-Jul-14
ATTN:	Steve McClarren & Tom Converse	**PAGE:**	1 of 6
EMAIL:	smcclarren@jgaeng; tconverse@rdicolumbu	**DWG:**	A801
FR:	German Gonzalez	**SPEC:**	071200
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Insulation & Protection Board		

Please see attached RFI from our concrete subcontractor.

Is the protection board exposed between dirt grade and bottom of metal building panel? There is no protection board specified, and it was our intent to use the rigid insulation as protection for the waterproofing material below grade. The insulation is acceptable to be exposed per Owens Cornin sheet (attached).

Reference sheet A801 typical foundation wall details, drawings note protection board referencing (072100) , 071200, however does not specify protection board. it is our intent to use the foam insulation as the waterproofing protection during backfill. 071200 calls for protection where insulation cannot be covered by permanent construction immediately. It is our intention to backfill against insulation as it is installed (per Owens Corning spec sheet), so everything below grade would be covered. Is there some type of flashing, etc. that is installed from bottom of metal building so the insulation is not exposed between finish grade and bottom of metal panel?

Please confirm if foundation drainage is to be perforated corrugated PE piping with filter fabric sock (on architecturals) or corrugated (no perforations), PE pipe shown on 334100.3.09 schedule item B (foundation drains).

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 23-Jul-14

DISTRIBUTION: File, Field

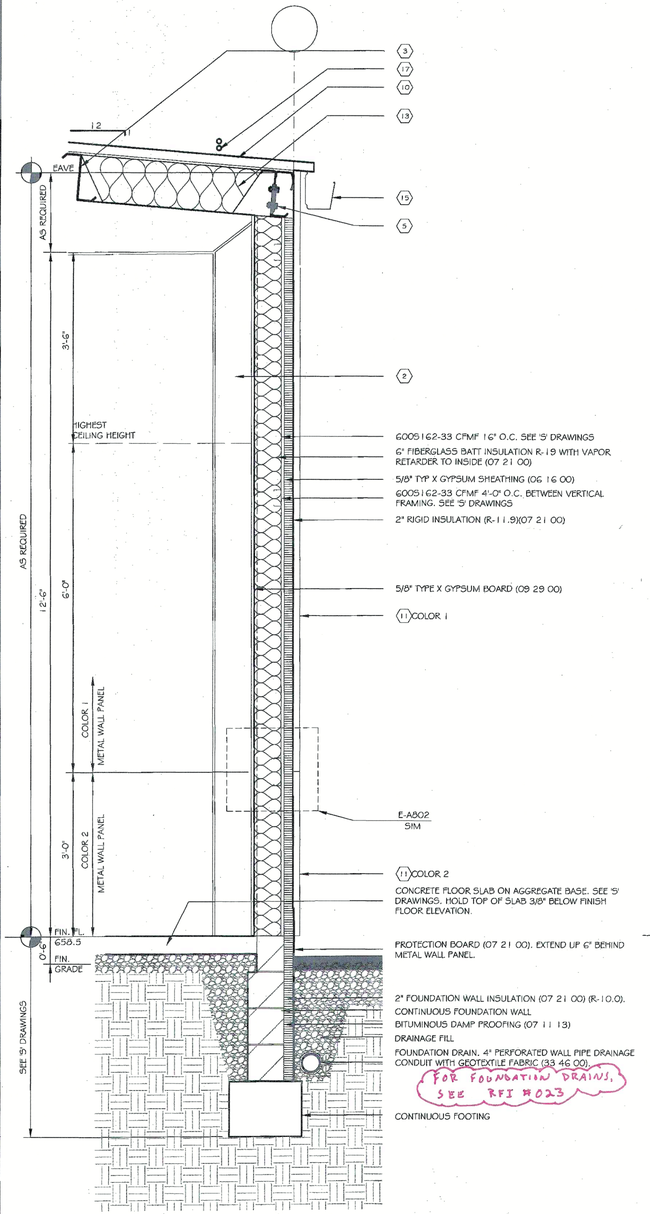
REPLY (RETURN THIS SHEET WITH REPLY):

Protection Board: ASTM D 6506, semirigid sheets of fiberglass or mineral-reinforced-asphaltic core, pressure laminated between two asphalt-saturated fibrous liners and 1/4-inch nominal thickness.

Foundation Drains: Provider perforated corrugated PE piping with filter sock at foundations connecting to site storm collection system (using leaders corrugated (no perforations)).

DATE OF REPLY: July 21, 2014 **SIGNED:**

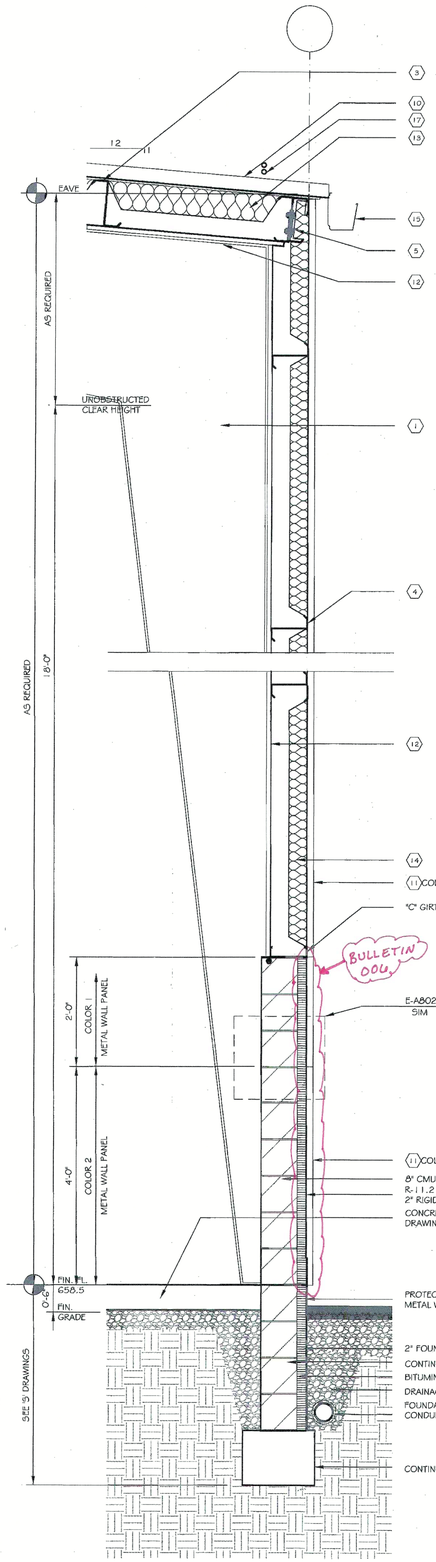
FINAL DISTRIBUTION: File, Field



DETAIL U-A801

FACILITY OFICE WALL SECTION AT EAVE

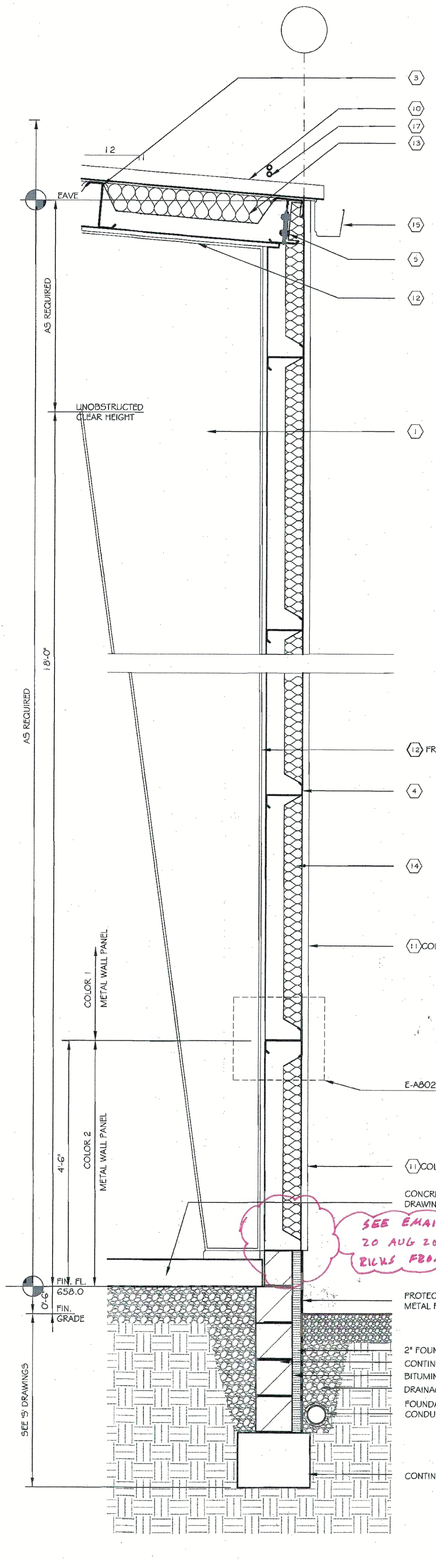
0 1'-4"



DETAIL W-A801

VEHICLE MAINTENANCE WALL SECTION AT EAVE

0 1'-4"



DETAIL Y-A801

HEATED TRUCK STORAGE WALL SECTION AT EAVE

0 1'-4"

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).
02 MBS PRIMARY FRAME LEAN TO (13 34 19).
03 PURLIN (13 34 19).
04 GIRT (13 34 19).
05 EAVE STRUT (13 34 19).
10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).
13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
14 R-13 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
15 6XG MBS GUTTER (36 SQUARE INCHES). (13 34 19)
17 SNOW GUARD (13 34 19).

GENERAL SHEET NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2 PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Symmetrica Design, Inc.
RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

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A801

EXTERIOR DETAILS

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-022**
		Date of Issue:	October 3, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Fire Extinguisher Mounting Height

Install top of Fire Extinguisher Cabinet with top of wall opening 53" above finished floor and Fire Extinguisher handle 48" above finished floor.

Attachments:

Issued by

TIC/js

Renouveau Design, Inc. Thomas I. Converse October 3, 2014 Date

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-004**
		Date of Issue:	July 30, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

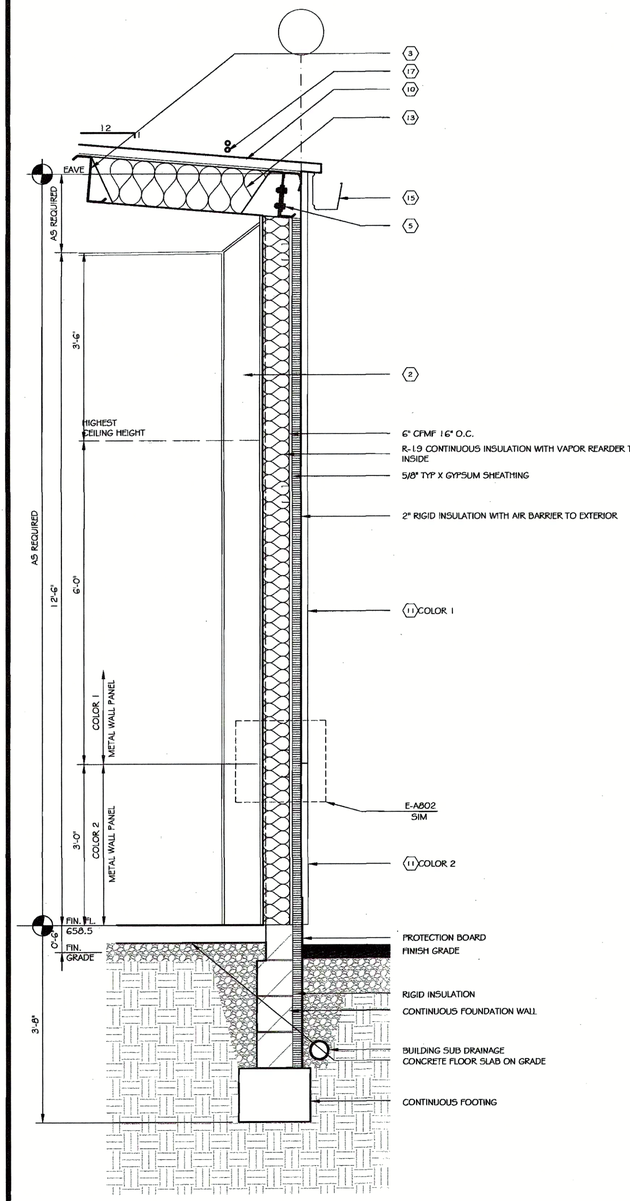
DESCRIPTION:

Flag Pole
Change Sheet A802 June 18, 2014 to Sheet A802 Revised July 30, 2014.
Added Detail T-A802 - Flag Pole Foundation.
Add Section 10 75 16 - Ground-set Flag pole.

Attachments: Sheet A-802

Issued by

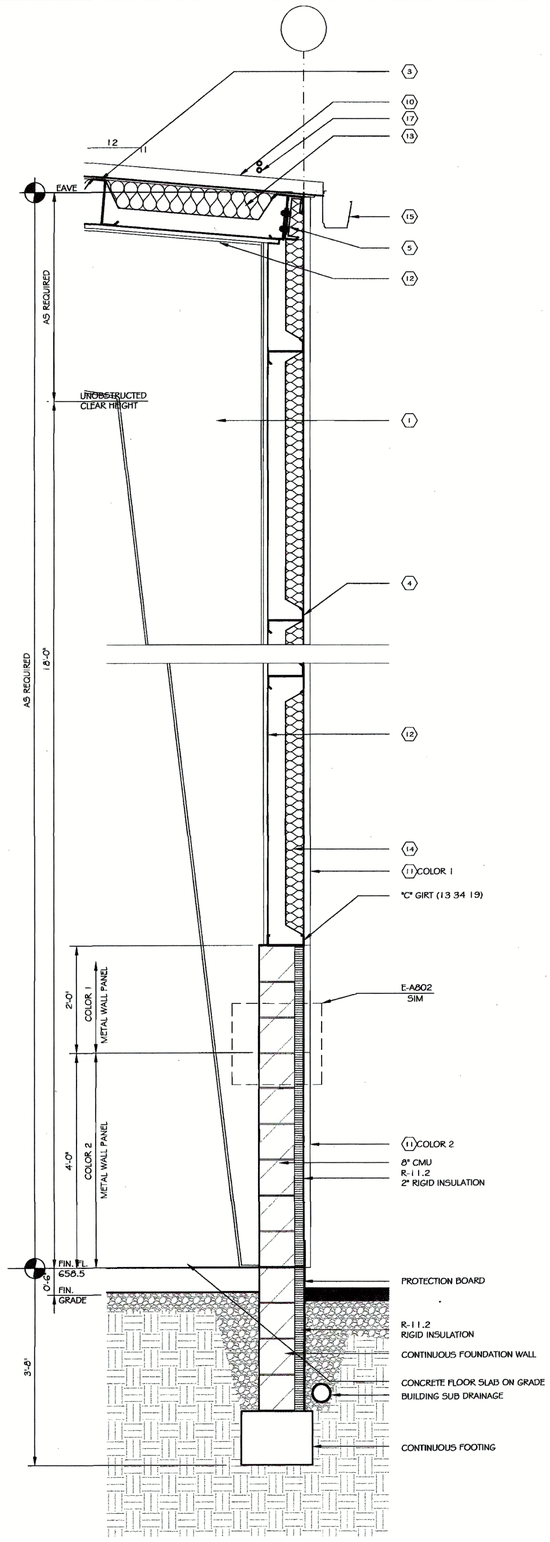
Renouveau Design, Inc. Thomas I. Converse July 30, 2014 Date



DETAIL U-A801

FACILITY OFICE WALL SECTION AT EAVE

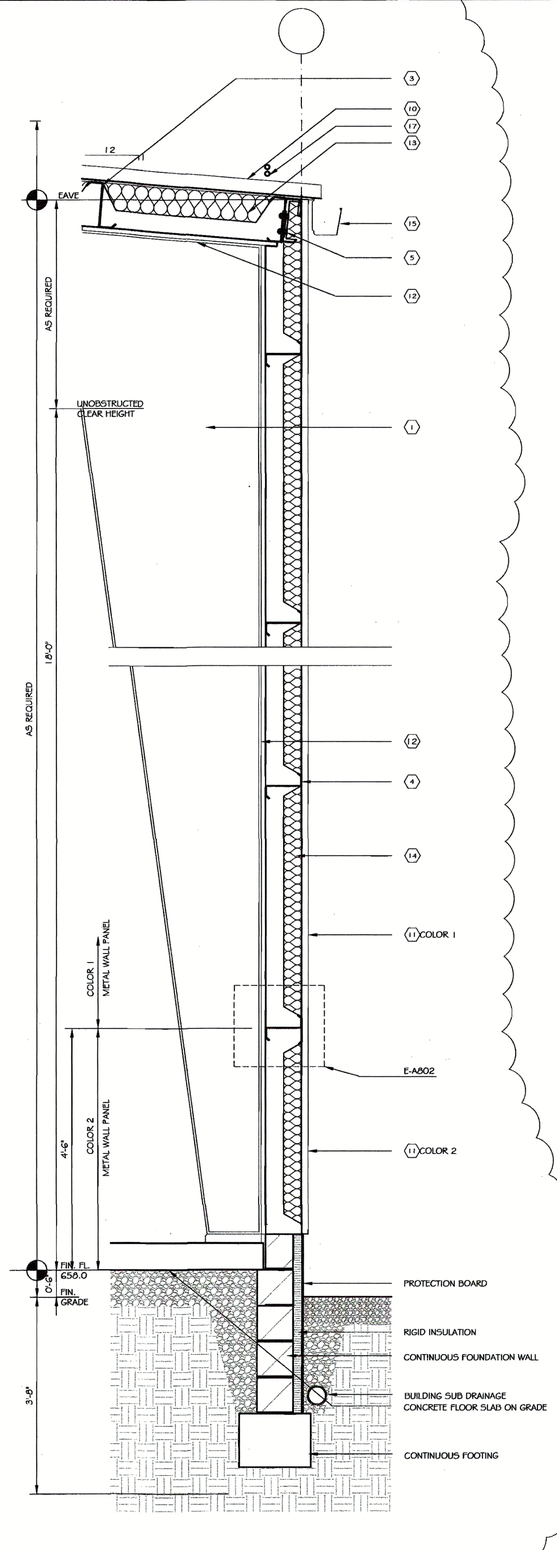
0 1 1/3"



DETAIL W-A801

VEHICLE MAINTENANCE WALL SECTION AT EAVE

0 1 1/3"



DETAIL Y-A801

HEATED TRUCK STORAGE WALL SECTION AT EAVE

0 1 1/3"

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).
02 MBS PRIMARY FRAME LEAN TO (13 34 19).
03 PURLIN (13 34 19).
04 GIRT (13 34 19).
05 EAVE STRUT (13 34 19).
10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
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14 R-13 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
15 4X5 MBS GUTTER (20 SQUARE INCHES). (13 34 19)
17 SNOW GUARD (13 34 19).

GENERAL PROJECT NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2 PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

THOMAS & MARKER CONSTRUCTION
Renaissance Design, Inc.
RDI

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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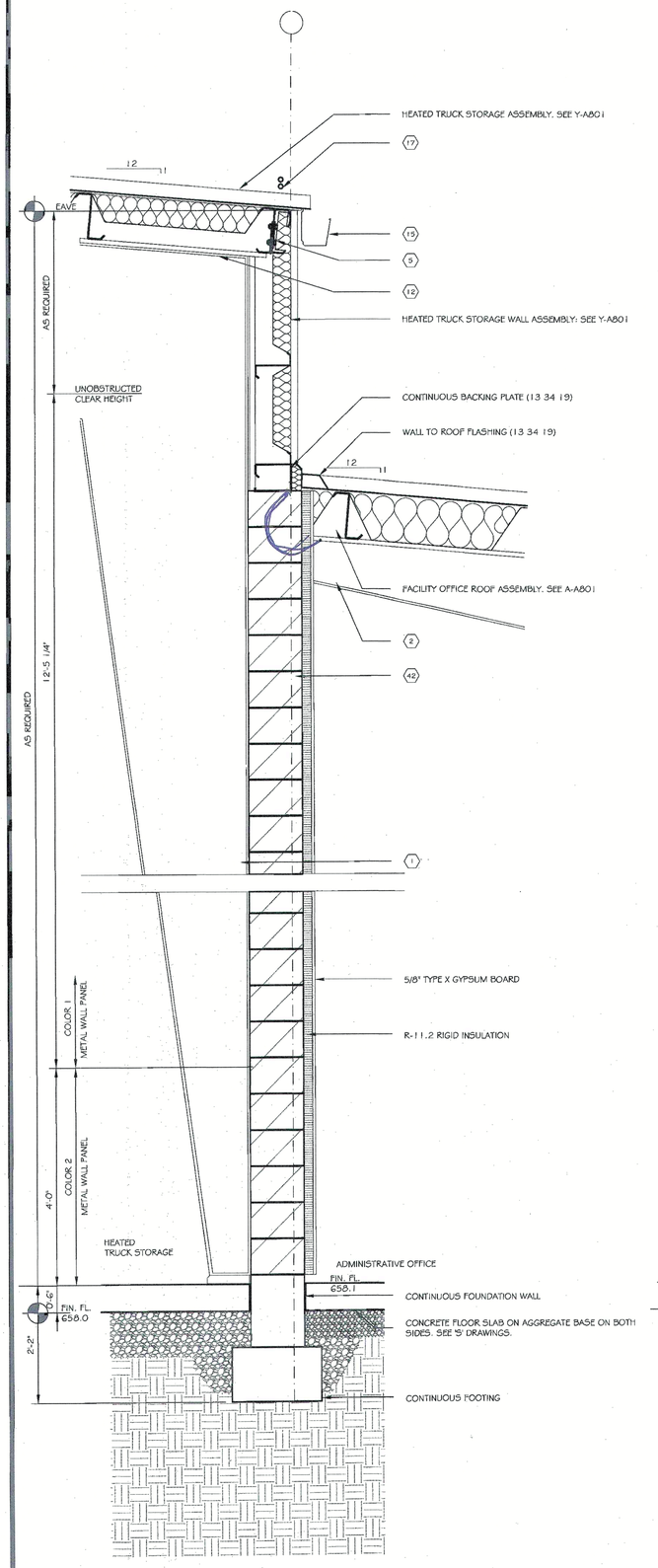
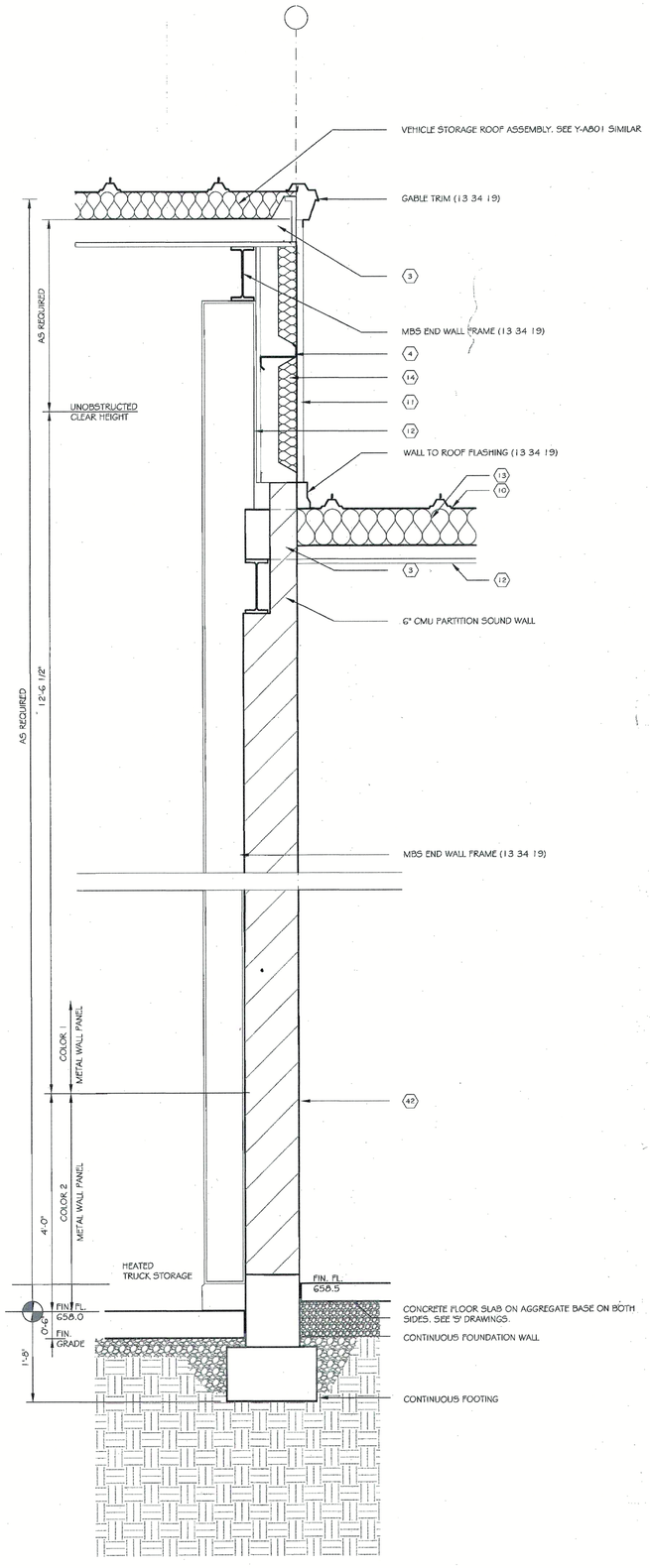
EXTERIOR DETAILS



DETAIL U-A802

0 1'-4"

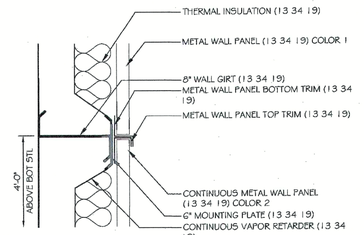
HEATED TRUCK STORAGE TO FACILITY OFFICE



DETAIL W-A802

0 1'-4"

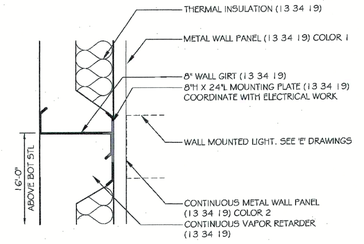
HEATED TRUCK STORAGE TO CORRIDOR



DETAIL E-A802

0 8"

CHANGE OF WALL PANEL COLOR



DETAIL J-A802

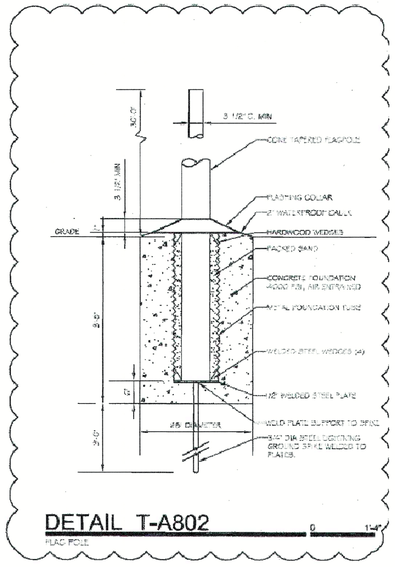
0 8"

WALL MOUNTED LIGHT DETAIL

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).
02 MBS PRIMARY FRAME LEAN TO (13 34 19).
03 PURLIN (13 34 19).
04 GIRT (13 34 19).
05 EAVE STRUT (13 34 19).
06 10" OPENING FRAMING (13 34 19).
07 8" OPENING FRAMING (13 34 19).
08 METAL WALL PANEL (07 42 13.13)
09 RIGID PORTAL FRAME (13 34 19).
10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).
13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
14 R-13 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
15 6XG MBS GUTTER (36 SQUARE INCHES). (13 34 19)
16 4X5 MBS DOWNSPOUT. (13 34 19).
17 SNOW GUARD (13 34 19).
42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW TO UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

ASI-004



DETAIL T-A802

0 1'-4"

FLAG POLE

GENERAL SHEET NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SILLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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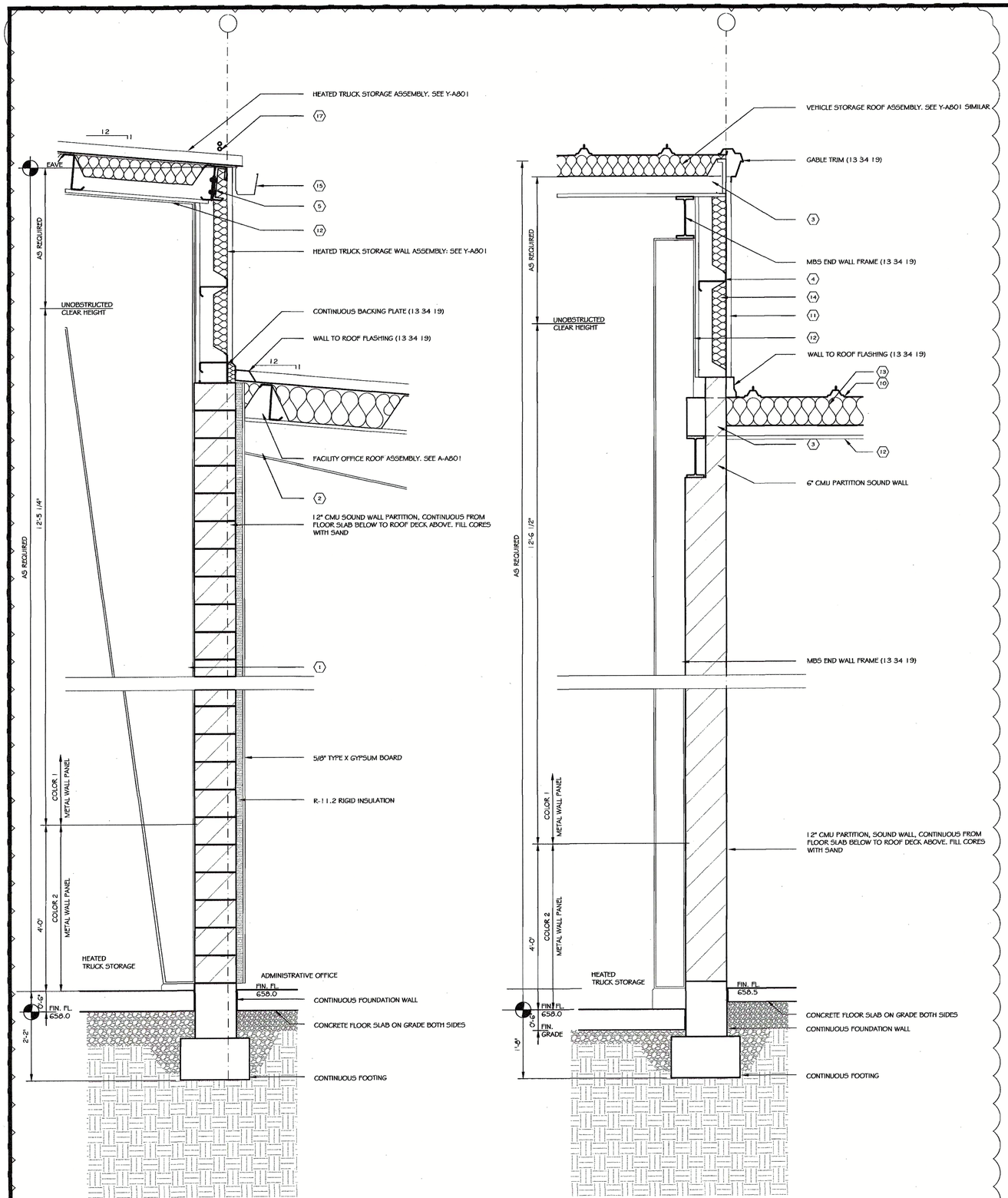
A802

EXTERIOR DETAILS



DETAIL U-A802

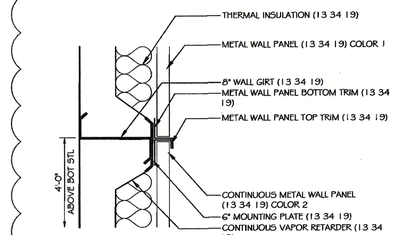
0 1 1/3"

HEATED TRUCK STORAGE TO FACILITY OFFICE

DETAIL W-A802

0 1 1/3"

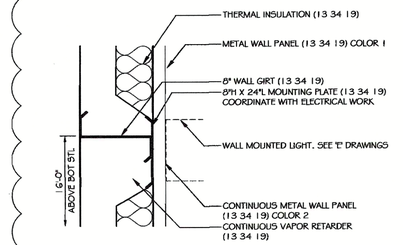
HEATED TRUCK STORAGE TO CORRIDOR



DETAIL E-A802

0 8"

CHANGE OF WALL PANEL COLOR



DETAIL J-A802

0 8"

WALL MOUNTED LIGHT DETAIL

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).
02 MBS PRIMARY FRAME LEAN TO (13 34 19).
03 PURLIN (13 34 19).
04 GIRT (13 34 19).
05 EAVE STRUT (13 34 19).
06 10" OPENING FRAMING (13 34 19).
07 8" OPENING FRAMING (13 34 19).
08 CANTILEVERED MBS CANOPY. TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANELS ON PURLINS AND EAVE STRUT, ON CANOPY FRAMING. PROVIDE FLASHING TO WALL, GABLE TRIM, EAVE TRIM, GUTTER, AND DOWNSPOUT. (13 34 19)
09 RIGID PORTAL FRAME (13 34 19).
10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).
13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
14 R-13 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
15 4X5 MBS GUTTER (20 SQUARE INCHES). (13 34 19)
16 4X5 MBS DOWNSPOUT. (13 34 19).
17 SNOW GUARD (13 34 19).

GENERAL PROJECT NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2 PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

THOMAS & MARKER CONSTRUCTION
Renaissance Design, Inc.
RDI

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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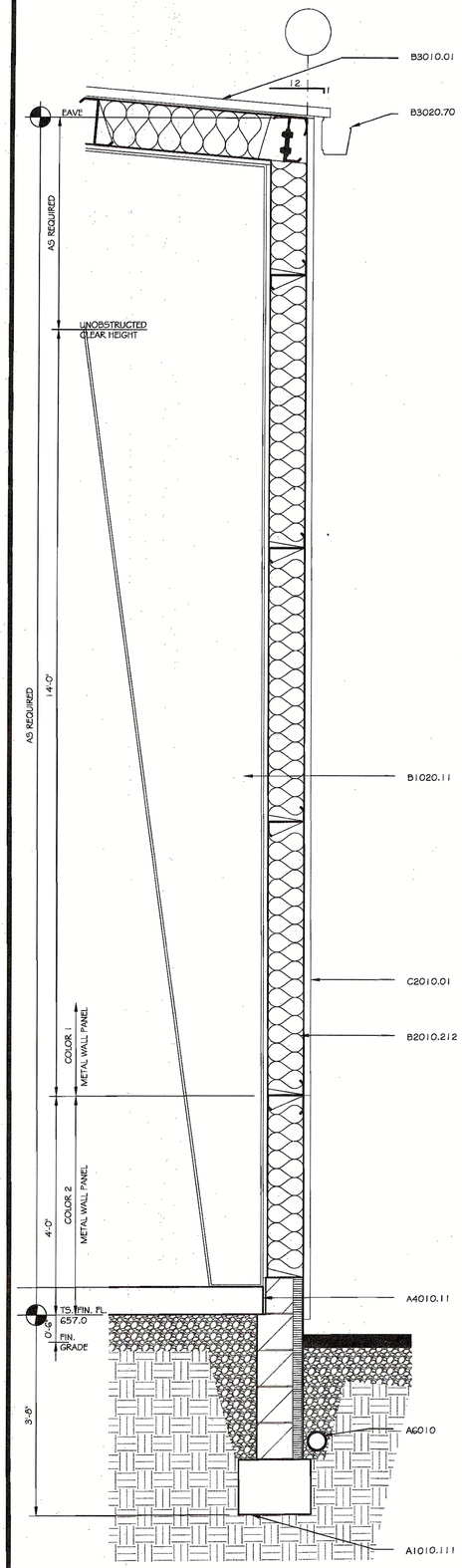
A802

EXTERIOR DETAILS



DETAIL U-A803

0 1 1/3'

FACILITY OFICE WALL SECTION

CODED NOTES

A1010.11	CONTINUOUS WALL FOUNDATION, 16Wx12D, EXTERIOR
A1010.13	CONTINUOUS WALL FOUNDATION, 16Wx12D, EXTERIOR
A1010.111	CONTINUOUS WALL FOUNDATION, 16Wx12D, EXTERIOR (44" DEEP)
A4010.11	POURED CONCRETE FLOOR SLAB, 8", SILICA FUME
A4010.13	POURED CONCRETE FLOOR SLAB, 4", BROUNFIELD MEMBRANE
A4010.14	STORAGE SLAB, 6"
A6010	BUILDING SUBDRAINAGE
B1020.11	PREENGINEERED SUPERSTRUCTURE, RIGID FRAME, CLEAR SPAN
B1020.12	PREENGINEERED SUPERSTRUCTURE, LEAN TO
B2010.211	METAL WALL PANEL ON MASONRY
B2010.212	EXTERIOR WEATHER WALL, METAL PANELS ON GIRTS, INSULATED. LINER
B2010.223	EXTERIOR WEATHER WALL, ON MASONRY
B2010.231	SPLIT FACE CMU VENEER WEATHER WALL, ON CFMF
B2010.232	METAL PANEL WEATHER WALL, ON CFMF, INSULATED
B3010.01	STANDING SEAM METAL ROOF PANELS WITH INSULATION ON PURLINS AND LINER
B3010.02	STANDING SEAM METAL ROOF PANELS WITH INSULATION ON PURLINS
B3020.70	ROOF RAINWATER CONDUCTORS, CONNECTED TO DOWNSPOUT COLLECTION SYSTEM
C2010.01	EXTERIOR WALL LINER PANEL

THOMAS & MARKER CONSTRUCTION

Remington Design, Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE
6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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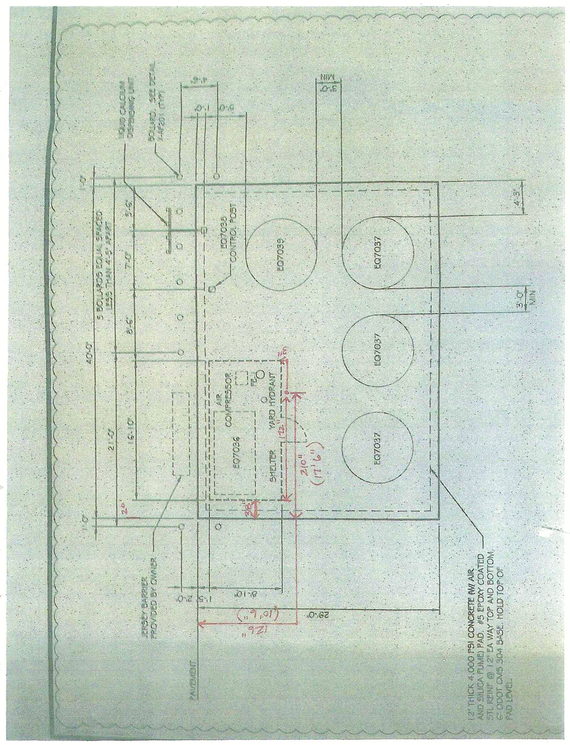
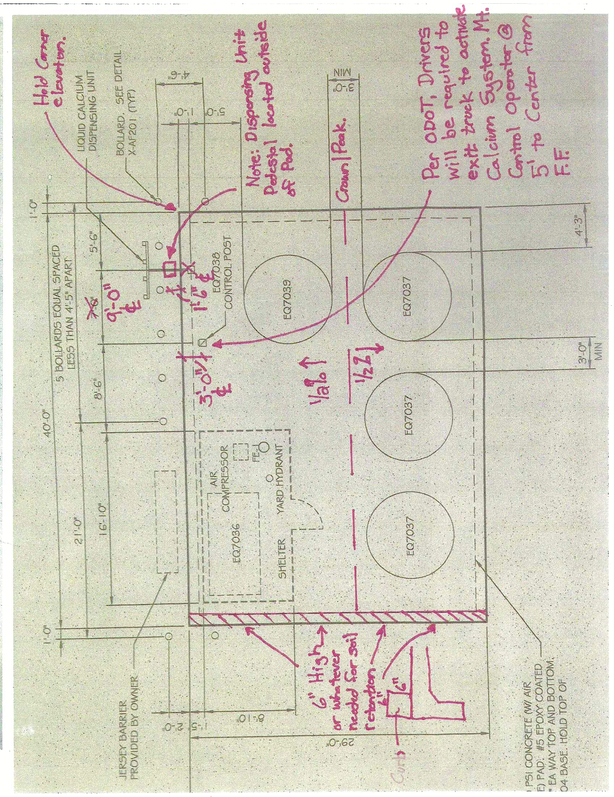
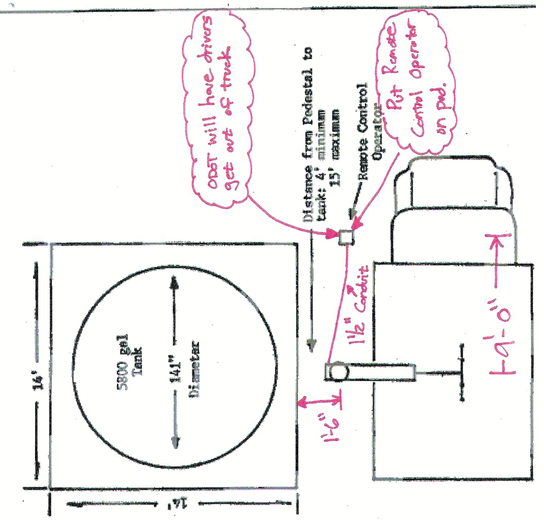
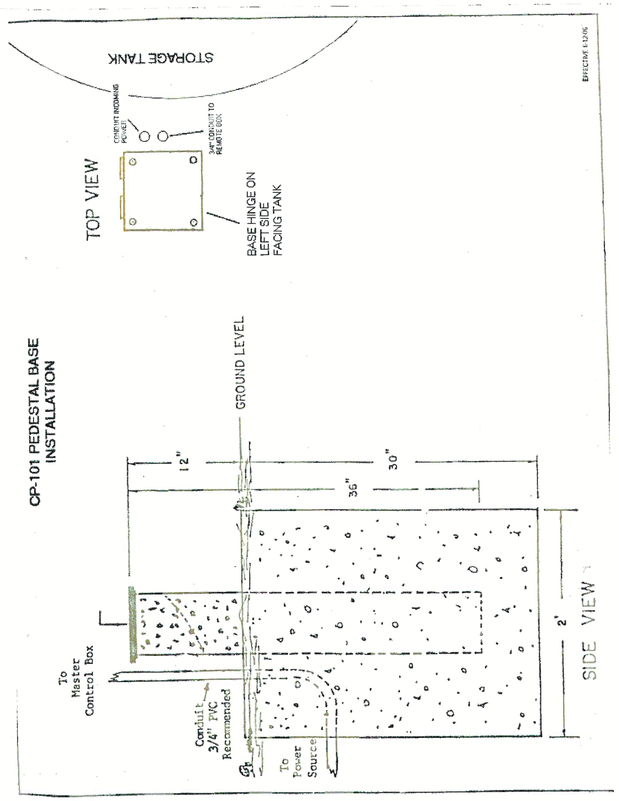
A803

EXTERIOR DETAILS









ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-013**
		Date of Issue:	August 27, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
Fuel Island Revision

Change Sheet AF201 dated June 18, 2014 to Sheet AF201 revised August 26, 2014 (see Detail H-AF201)

- Rotate Fuel Tank
- Located Fuel Management System Equipment
- Added Design Loads

Attachments: Sheet AF201 revised August 26, 2014

Issued by

Thomas I. Converse/js August 27, 2014

Renouveau Design, Inc. Thomas I. Converse Date

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-015**
		Date of Issue:	September 3, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
Brine Pad Revision

Change Sheet AF201 dated August 26, 2014 to Sheet AF201 revised September 3, 2014 (see Detail F-AF201)

- Removed bollards in front of Brine Shelter
- Added Jersey Barrier provided by Owner in front of Brine Shelter
- Relocated Control Post and Liquid Calcium Dispensing Unit to provide more room for Brine Hose

Attachments: Sheet AF201 revised September 3, 2014

Issued by

9/3/2014

Renouveau Design, Inc. Thomas I. Converse Date

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 010

REQUEST FOR INFORMATION

TO:	RDI Architects , Jazerinac Geers (JGA)	**DATE:**	8-Jul-14
ATTN:	Tom Converse , Steve McClarren	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	AF201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Bollards		

Please see below RFI from our concrete contractor.

Reference detail X-AF201 which shows depth to bottom of footing at 4'-4" below finished floor and outside of drilled pier 1'-4" from centerline of pier. All piers are located 1'-2" from outside face of wall (per coded note 50), which would essentially put all drilled piers into the block walls. In addition the footing depths would be into all strip footings (top of footing varies from 2'-8" to 3'-2" below finished floor.

Please advise if there are any precautions that need to be made with building foundations to accommodate bollards, or if bollard foundation sizes can be reduced/relocated to miss building footings.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 15-Jul-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

SEE ATTACHED.

DATE OF REPLY: 7/16/2014 **SIGNED:** Steve McClarren - Jezerinac Geers

FINAL DISTRIBUTION: File, Field

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 011

REQUEST FOR INFORMATION

TO:	RDI Architects , Jazerinac Geers (JGA)	**DATE:**	8-Jul-14
ATTN:	Tom Converse , Steve McClarren	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	C301, AF201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Fuel Depot Layout		

Drawing C301 of the Balance of Project shows an H shaped concrete pad but the detailed drawing on AF201 calls for a 26'-6" x 15'-0" solid square pad. We need clarification for which design to go off of.

Please confirm if we need to go off the AF201 detail, or if the H shape on sheet C301 is the desired design, if that is the case then please indicate the details and dimensions for total pad.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 15-Jul-14

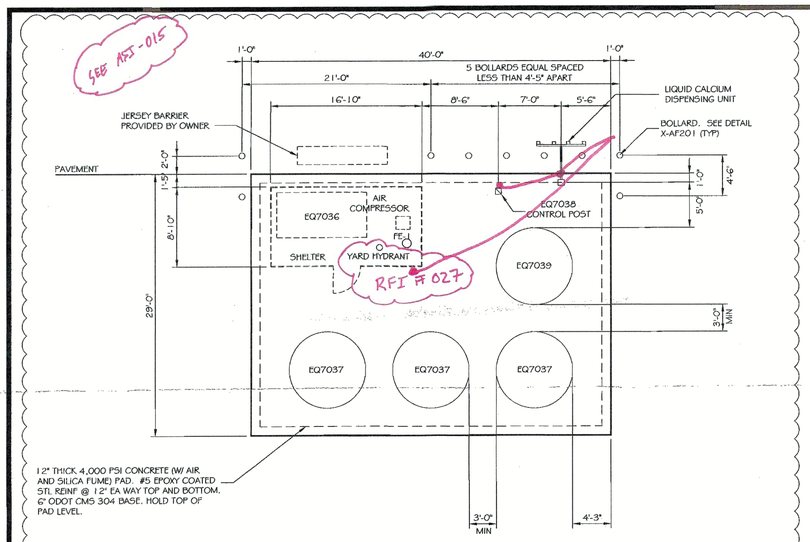
DISTRIBUTION: File, Field

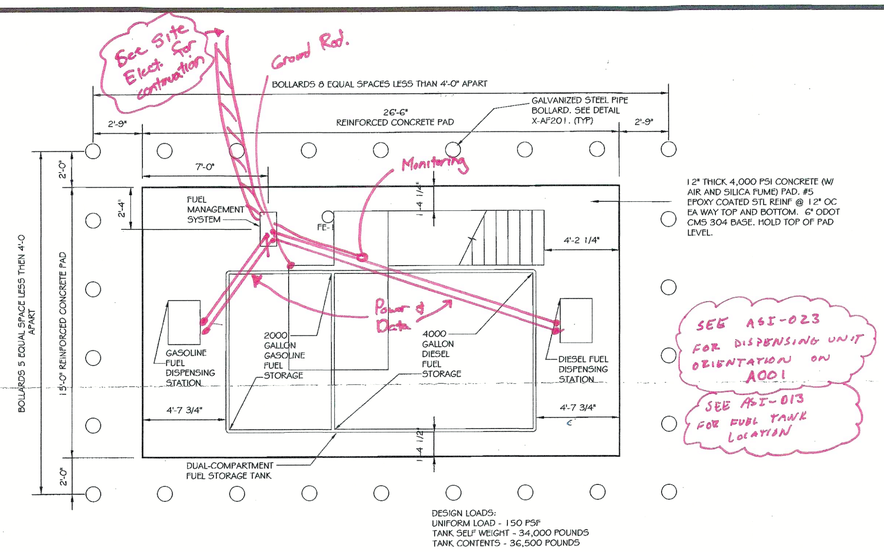
REPLY (RETURN THIS SHEET WITH REPLY):

Detail H-AF201 is a detail of the Fuel Island Pad, which is the center section shown C301. The dimensions of the Fuel Island Pad need to be verified with AST Fuel Farm Submittal and permit. As shown M-AF201, the Fuel Island Pad is raised 6-inches above pavement and needs to be level. On either side of the Fuel Island Pad are longer sections of concrete pavement shown C301.

DATE OF REPLY: 7/10/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

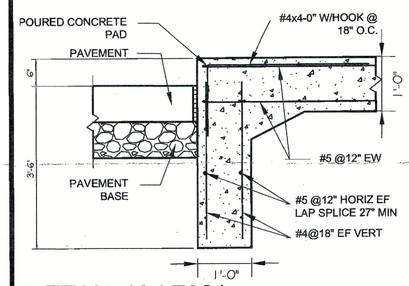




DETAIL F-AF201

0 8'

BRINE AND CALCIUM SYSTEMS PLAN



DETAIL K-AF201

0 1'-4"

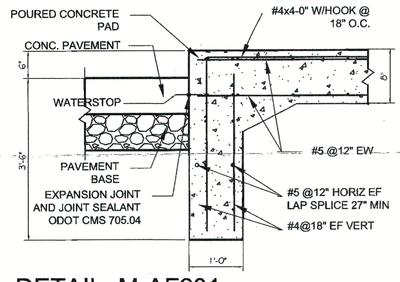
BRINE AND CALCIUM PAD DETAIL

DETAIL H-AF201

0 4'

NORTH

FUEL ISLAND PLAN



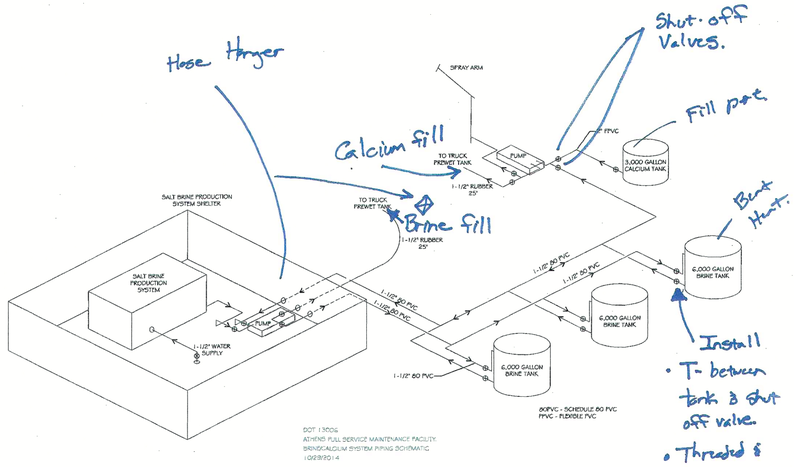
DETAIL M-AF201

0 1'-4"

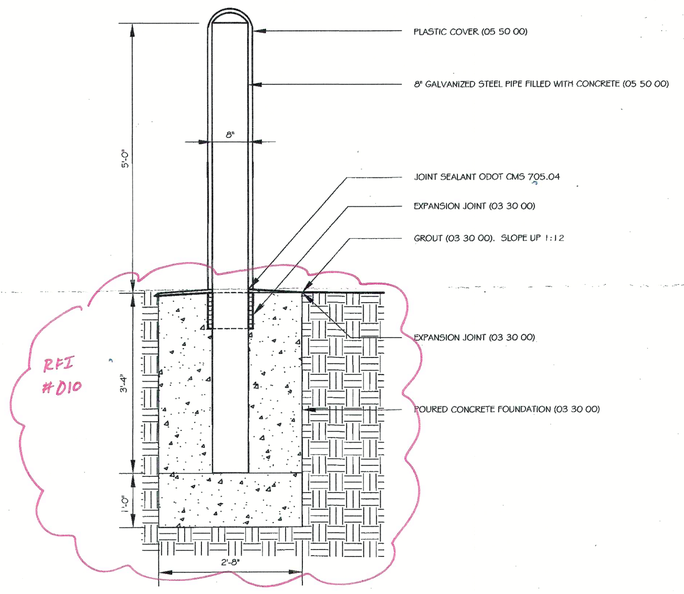
FUEL ISLAND PAD DETAIL

SEE RFI #011 FOR FUEL ISLAND ORIANTATION

• Flexible Hose 2"



10|30|14- Per on site mtg. w| Tom Converse and Shawn Flannery. All agreed.



DETAIL X-AF201

0 1'-4"

BOLLARD DETAIL

TM THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
AUGUST 26, 2014
SEPTEMBER 3, 2014

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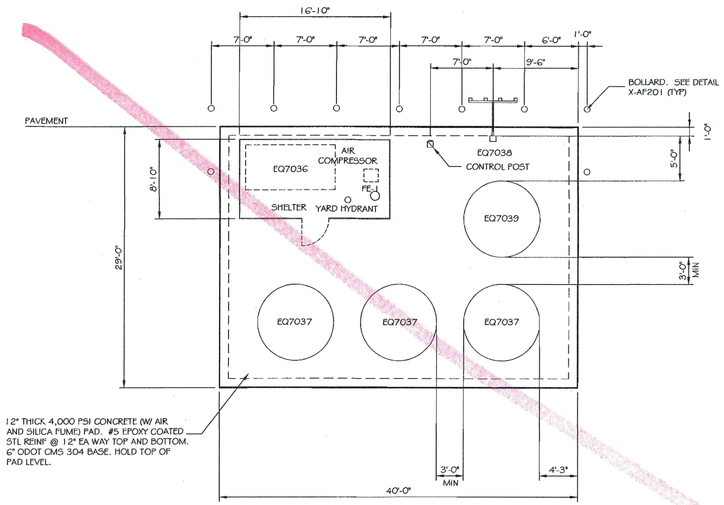
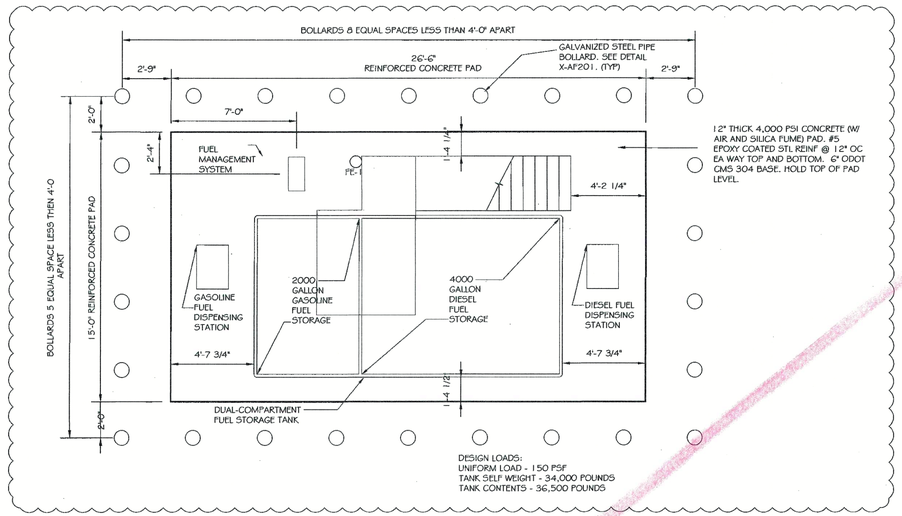
AF201

BRINE AND CALCIUM SYSTEMS
FUEL ISLAND

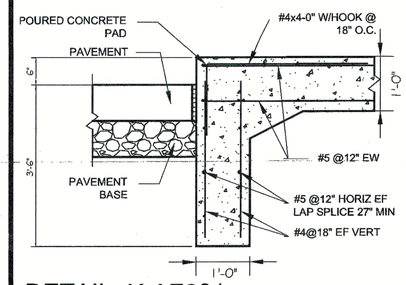




DETAIL F-AF201

0 8'

BRINE AND CALCIUM SYSTEMS PLAN



DETAIL K-AF201

0 1'-4"

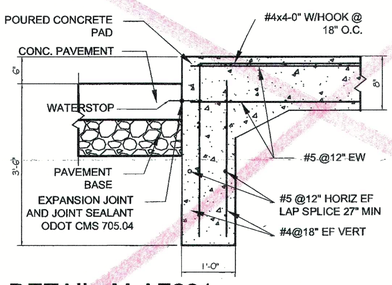
BRINE AND CALCIUM PAD DETAIL

DETAIL H-AF201

0 4'

NORTH

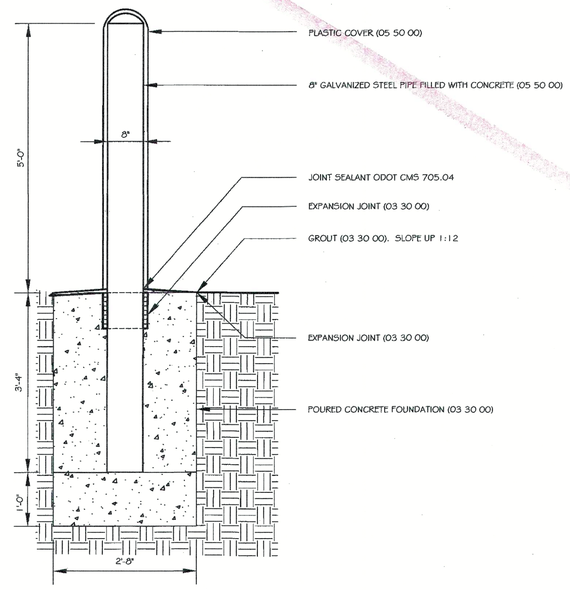
FUEL ISLAND PLAN



DETAIL M-AF201

0 1'-4"

FUEL ISLAND PAD DETAIL



DETAIL X-AF201

0 1'-4"

BOLLARD DETAIL

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

STATE OF OHIO
THOMAS L CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
AUGUST 26, 2014

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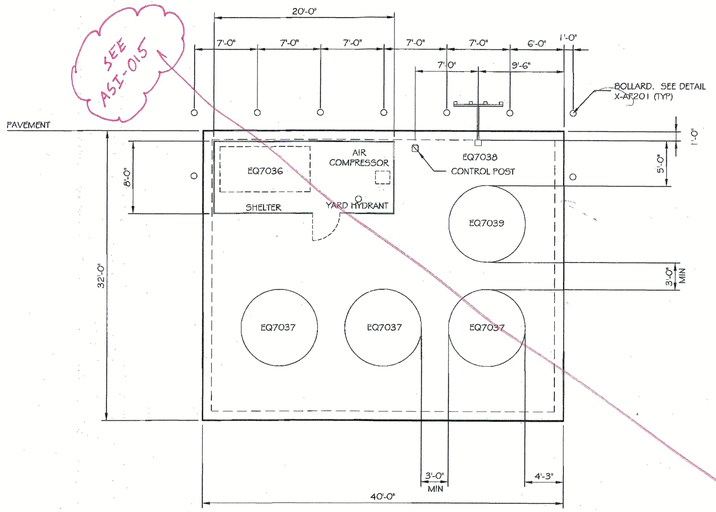
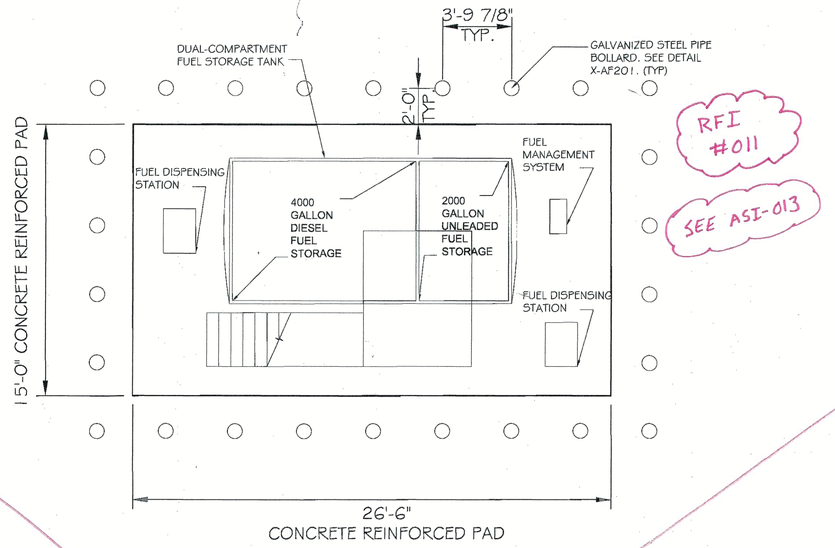
AF201

BRINE AND CALCIUM SYSTEMS
FUEL ISLAND

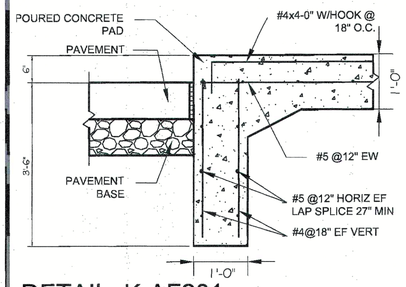




DETAIL F-AF201

0 8'

BRINE AND CALCIUM SYSTEMS PLAN



DETAIL K-AF201

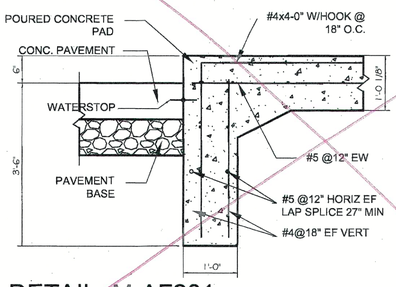
0 1'-4"

BRINE AND CALCIUM PAD DETAIL

DETAIL H-AF201

0 4'

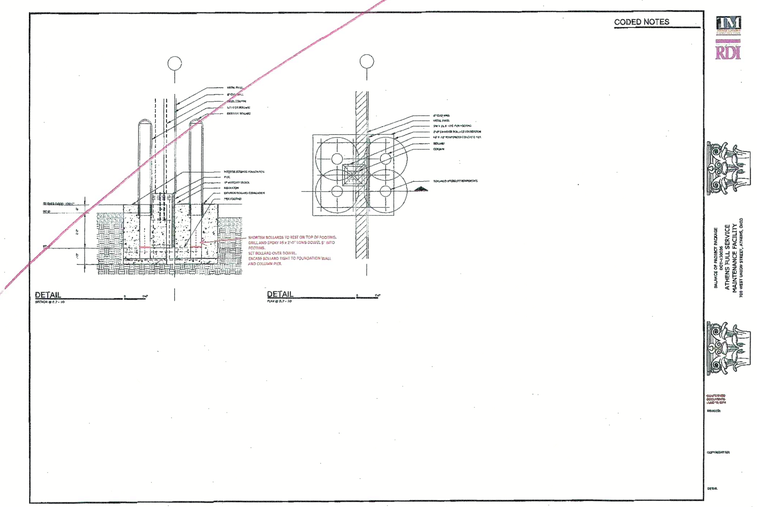
FUEL ISLAND PLAN

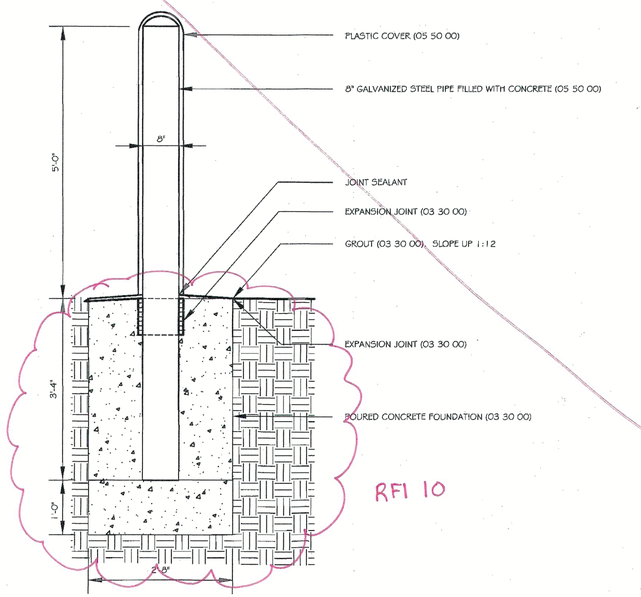


DETAIL M-AF201

0 1'-4"

FUEL ISLAND PAD DETAIL





DETAIL X-AF201

0 1'-4"

BOLLARD DETAIL

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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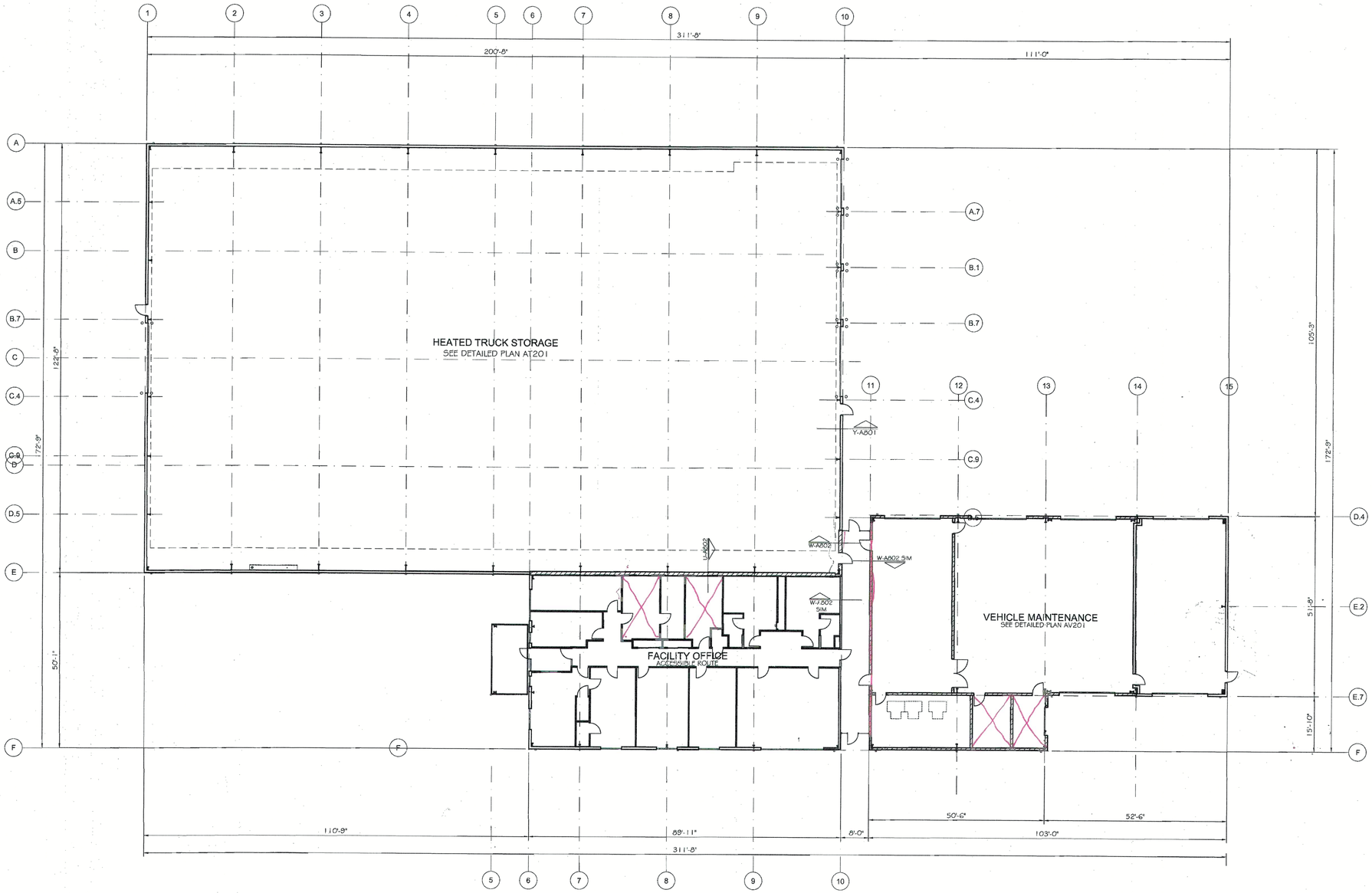
AF201

BRINE AND CALCIUM SYSTEMS
FUEL ISLAND

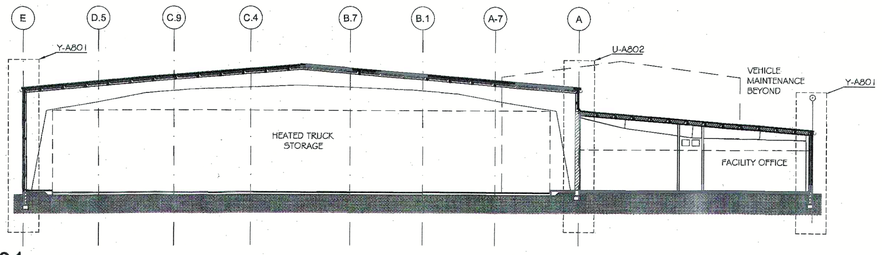


DETAIL P-AG201

0 16'

NORTH

GARAGE FLOOR PLAN



DETAIL U-AG201

0 16'

GARAGE TRANSVERSE BUILDING SECTION

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

STATE OF OHIO
THOMAS L. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

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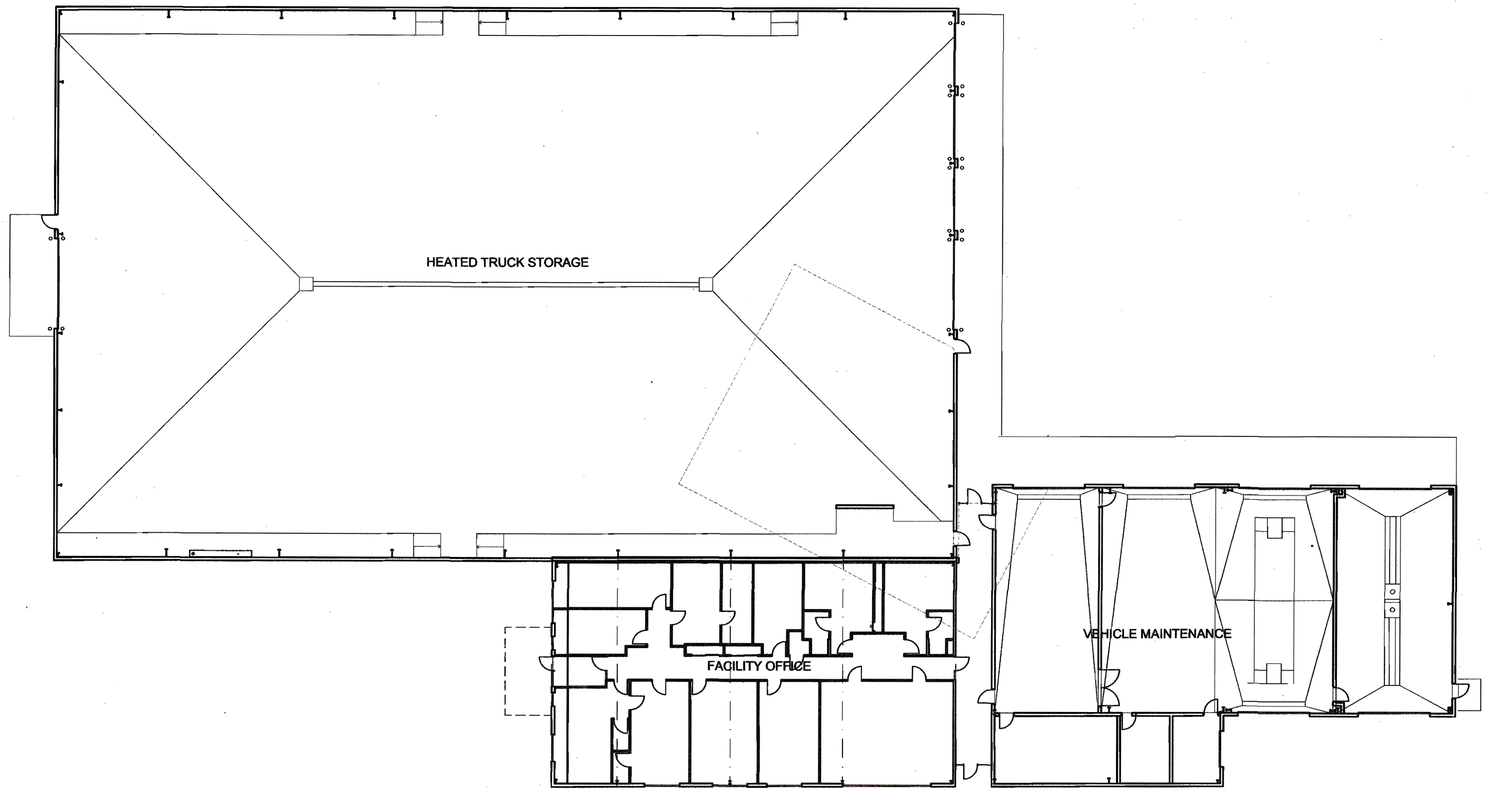
AG201

GARAGE REFERENCE PLAN



DETAIL P-AG201

GARAGE FLOOR PLAN

0 16' NORTH

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.
RDI

STATE OF OHIO
THOMAS
I.
CONVERSE
6425
REGISTERED ARCHITECT

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION
DOCUMENTS
FEBRUARY 27, 2014

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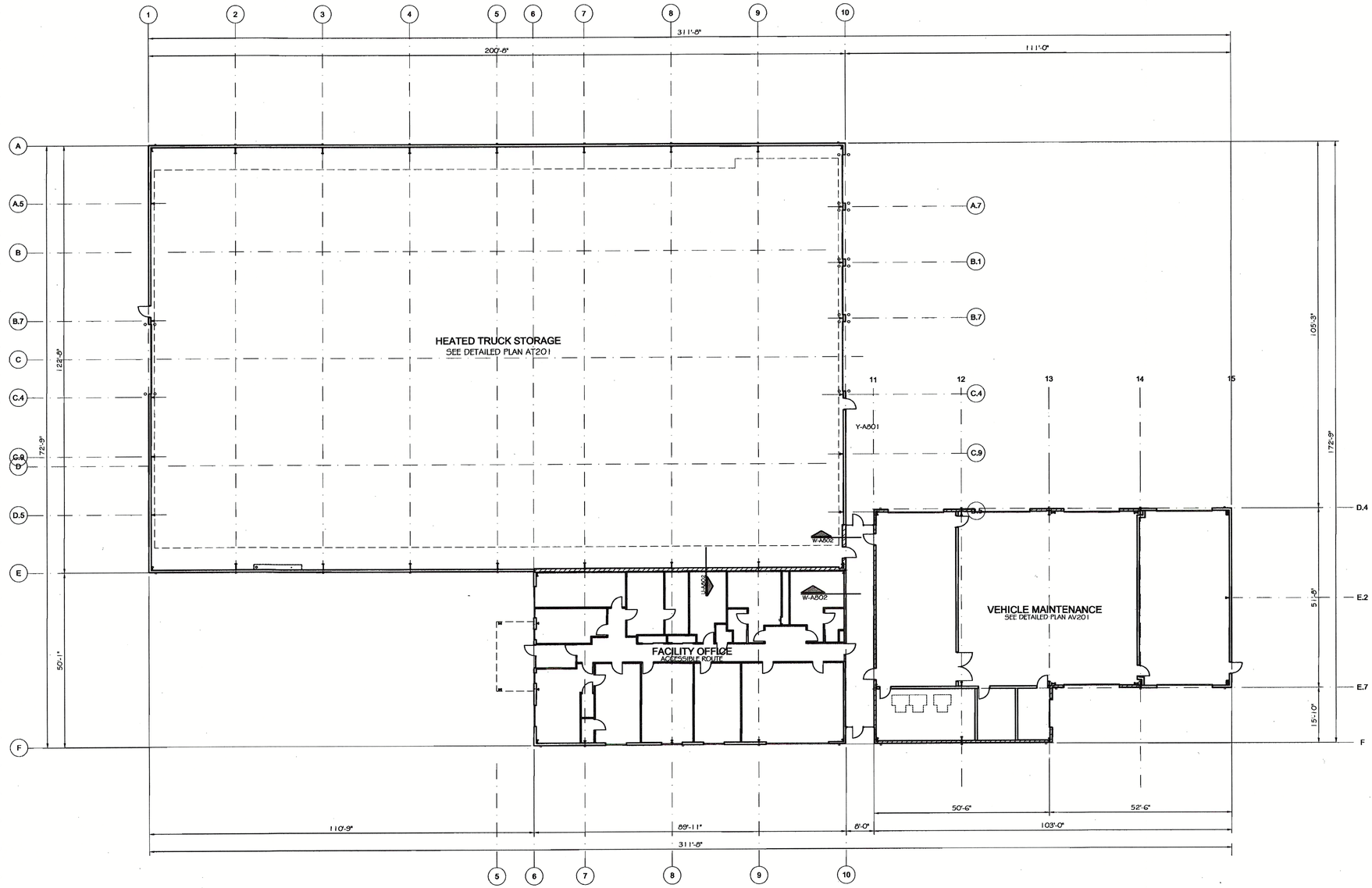
AG201

GARAGE REFERENCE PLAN

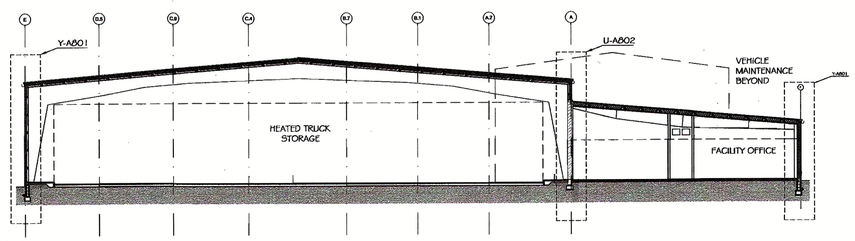


DETAIL P-AG201

0 16'

NORTH

GARAGE FLOOR PLAN



DETAIL U-AG201

0 16'

GARAGE TRANSVERSE BUILDING SECTION

THOMAS & MARKER CONSTRUCTION

Resources Design, Inc.

RDI

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION
DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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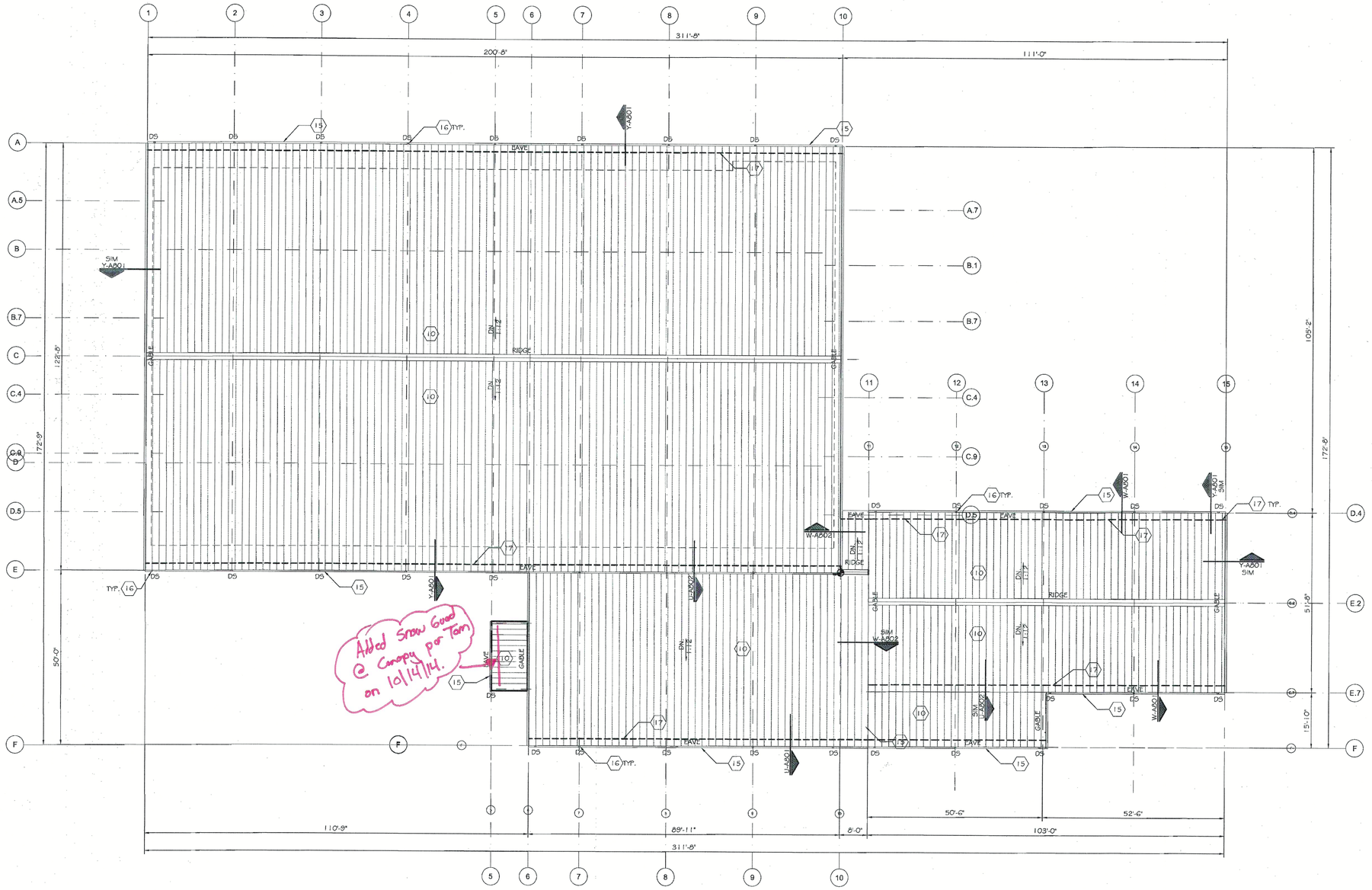
AG201

GARAGE REFERENCE PLAN

CODED NOTES

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
15 6X6 MBS GUTTER (36 SQUARE INCHES). (13 34 19)
16 4X5 MBS DOWNSPOUT. (13 34 19).
17 SNOW GUARD (13 34 19).



DETAIL P-AG202

GARAGE ROOF PLAN

0 16' NORTH

GENERAL SHEET NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

THOMAS & MARKER CONSTRUCTION

Rittenmeyer Design, Inc. RDI

STATE OF OHIO
THOMAS L. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS MAY 16, 2014

REVISED:

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AG202

GARAGE ROOF PLAN

om: Jeanie Spiker <jspiker@rdicolumbus.com>
ent: Monday, November 10, 2014 2:41 PM
o: Andry, Tom
c: shawn.flannery@dot.state.oh.us; Rich Oster
ubject: FW: Painting

om,

received verbal approval from Shawn Flannery for the colors chosen below.
hawn – you don't need to send written approval.

hanks.
eanie

---

rom: Jeanie Spiker [mailto:jspiker@rdicolumbus.com]
ent: Monday, November 10, 2014 1:46 PM
o: shawn.flannery@dot.state.oh.us
ubject: FW: Painting

hawn,

Ve need an answer on these colors as soon as possible. I understand Rich Oster is out until Wednesday. Is it possible
or you to confirm?

hank you.

eanie Spiker
enouveau Design, Inc.
570 Fishinger Road
Columbus, Ohio 43221
614) 538 8780

---

rom: Tom Converse [mailto:TConverse@RDIColumbus.com]
ent: Sunday, November 09, 2014 11:37 AM
o: 'Rich.Oster@dot.state.oh.us' (Rich.Oster@dot.state.oh.us)
ubject: FW: Painting

ich
o you agree?

---

rom: Greg Topp [mailto:gtopp@rdfa.com]
ent: Friday, November 07, 2014 13:43
o: Andry, Tom; Tom Converse
c: drew@americanstarcoatings.com; Hannahs, Joe; Gonzalez, German; Matulja, Rick
ubject: RE: Painting

om Converse, do you agree?

Gregory Topp, P.E., LEED-AP

oger D.Fields & Associates
588 Kenny Road
olumbus, Ohio 43220-2777
14-451-2248
614-451-6628
-mail: gtopp@rdfa.com
Web: www.rdfa.com

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f this e-mail. This e-mail may not be secure, error-free, or free from malicious programs, such as viruses. Roger D.
ields & Associates shall not be liable for any loss or damage that may result from any malicious programs, or from an
nintended, unauthorized, or unlawful use of this e-mail.

-----Original Message-----
From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Friday, November 07, 2014 1:30 PM
To: Tom Converse; Greg Topp
Cc: drew@americanstarcoatings.com; Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: Painting

Need answer on the following:

1. Exterior gas riser at VM bldg~~? any color that you choose~~. Assume Match green and tan siding 2. Exposed gas at Generator? What color? ~~any color that you choose~~ Match generator color.
3. Fluid lines in VM bldg, do these get painted and what color? Same as walls/ceiling SW7007 – Ceiling Bright White
4. Do we paint the fire protection riser white in TS bldg? yes SW7007 – Ceiling Bright White above the riser alarm valve, leave red alarm valve and shutoff valves red.
5. Do we paint the domestic water riser white in TS bldg? yes SW7007 – Ceiling Bright White
7. At the front canopy the exposed steel columns what color? Match Green Metal Wall Panels

Matulja, Rick

From: Andry, Tom
Sent: Tuesday, December 30, 2014 8:05 AM
To: Matulja, Rick
Subject: Fw: 13301 - Canopy Steel Color - DOT-130001 - Athens Full Service Maintenance Facility

Post on drawings.

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Tom Converse <TConverse@RDIColumbus.com>
Sent: Friday, December 19, 2014 2:49 PM
To: Andry, Tom
Cc: Rich.Oster@dot.state.oh.us
Subject: 13301 - Canopy Steel Color - DOT-130001 - Athens Full Service Maintenance Facility

Tom
I checked with Rich and confirmed that steel at main entrance canopy should be painted green to match the green siding.
Tom

BULLETIN

Project:	DOT-130006 **ATHENS FULL SERVICE MAINTENANCE FACILITY**	Bulletin No.:	**004**
		Date of Issue:	8/01/2014
Owner:	Ohio Department of Transportation	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker	Contract For:	Design-Build Contract
Contract Dated:		Architects' Project No.:	13301

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

Building Louver Location Revision

Change Sheet AG651 Revised 6/18/2014 to Sheet AG651 Revised 8/01/2014.
Detail A-AG651 - Changed Louver Locations.
Added Note 56.
Changed L-2 Designation to Note 56 Designation.
Detail F-AG651 - Changed Louver Locations.
Detail K-AG651 - Changed Louver Locations.
Detail P-AG651 - Changed Louver Locations.

Coordinate exact size and locations of all wall penetrations in the field.

Attachments:
13301 AG651 140801

Submitted

Meg Ginther

Renouveau Design, Inc. — Meg Ginther — August 1, 2014 Date

Matulja, Rick

From: Andry, Tom
Sent: Friday, September 05, 2014 1:58 PM
To: Matulja, Rick
Subject: FW: Downspout

POST

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

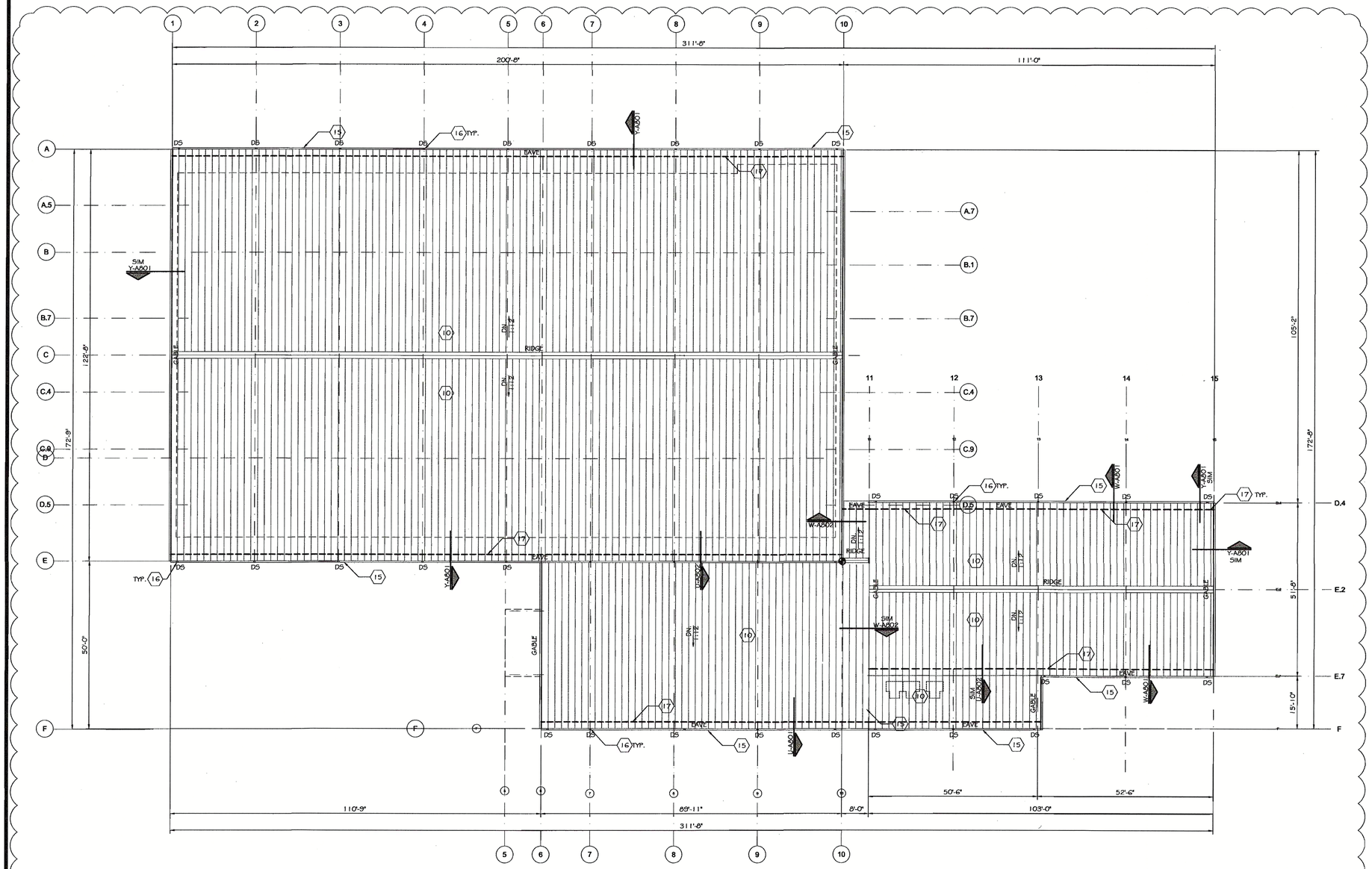
From: Tom Converse <TConverse@RDIColumbus.com>
Sent: Friday, September 05, 2014 12:53 PM
To: Andry, Tom; 'Jason Stevens'
Subject: RE: Downspout

That looks good to me

-----Original Message-----
From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Friday, September 05, 2014 12:23
To: Tom Converse; Jason Stevens
Subject: Downspout

See attached photo from my last job. Thanks





DETAIL P-AG202

GARAGE ROOF PLAN

0 16'

NORTH

CODED NOTES

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

15 4X5 MB5 GUTTER (20 SQUARE INCHES). (13 34 19)

16 4X5 MB5 DOWNSPOUT. (13 34 19).

17 SNOW GUARD (13 34 19).

GENERAL SHEET NOTES

1 PROVIDE MB5 ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

THOMAS & MARKER CONSTRUCTION

Resource Design, Inc. RDI

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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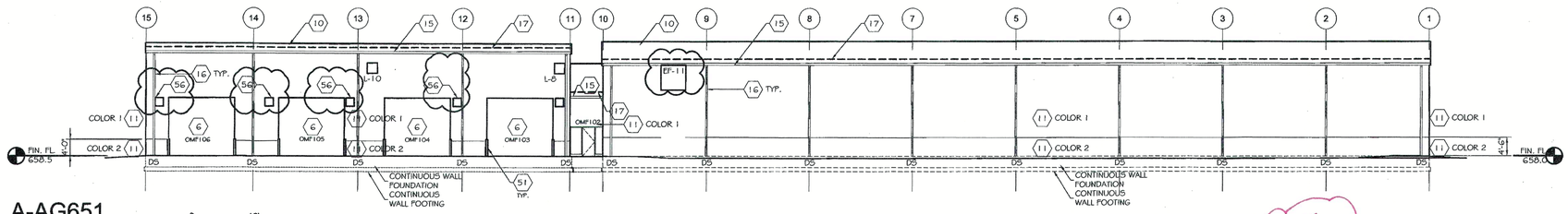
AG202

GARAGE ROOF PLAN

CODED NOTES

- (06) 10" OPENING FRAMING (13 34 19).
- (10) TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- (11) TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- (15) 6X6 MBS GUTTER (36 SQUARE INCHES). (13 34 19)
- (16) 4X5 MBS DOWNSPOUT. (13 34 19).
- (17) SNOW GUARD (13 34 19).
- (51) LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2X2X6" (AND 3') GRADE A (SINGLE POUR) UNITS.
- (56) VENT FOR INFRARED HEATER. EXACT DIMENSIONS TO BE COORDINATED WITH MECHANICAL CONTRACTOR. BULLETIN 004



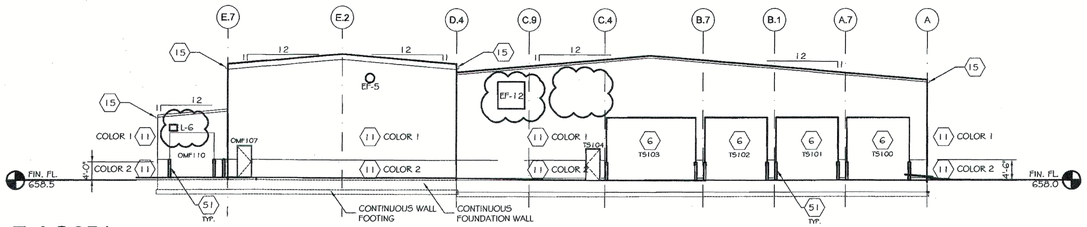
DETAIL A-AG651

0 16'

NORTH ELEVATION GARAGE BUILDING

FOR DOWNSPOUTS, SEE EMAIL W/ TOM CONVERSE FROM RDI, DATED 05 SEPT 2014

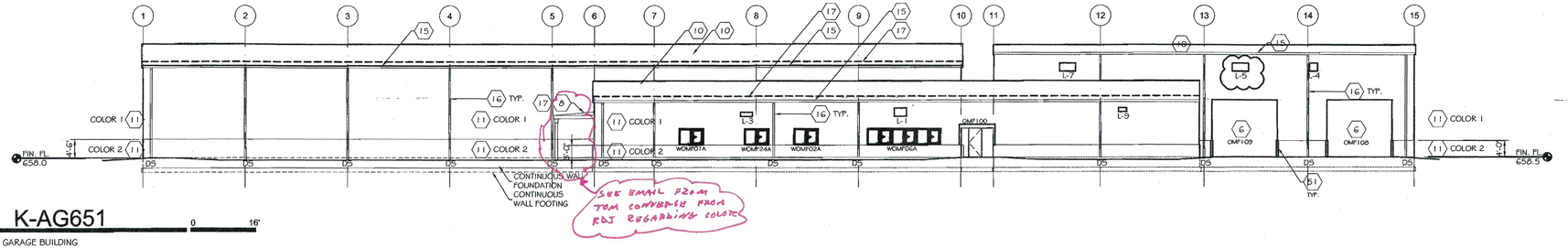
CHANGED OF LOUVER LOCATIONS, SEE BULLETIN 004



DETAIL F-AG651

0 16'

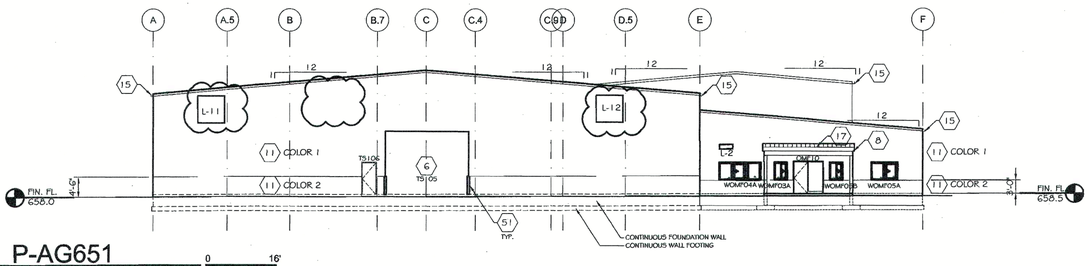
EAST ELEVATION GARAGE BUILDING



DETAIL K-AG651

0 16'

SOUTH ELEVATION GARAGE BUILDING



DETAIL P-AG651

0 16'

WEST ELEVATION GARAGE BUILDING

GENERAL SHEET NOTES

1. PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2. PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
3. SEE SHEETS AT201, AV201, AND A0201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.
5. SEE SHEET H501 FOR LOUVER AND EXHAUST FAN DIMENSIONS AND WEIGHTS.

THOMAS & MARKER CONSTRUCTION

Resourceful Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
REVISED AUGUST 1, 2014

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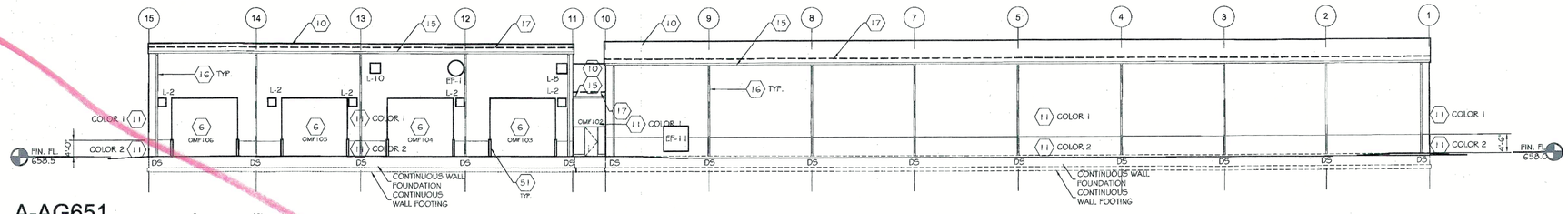
AG651

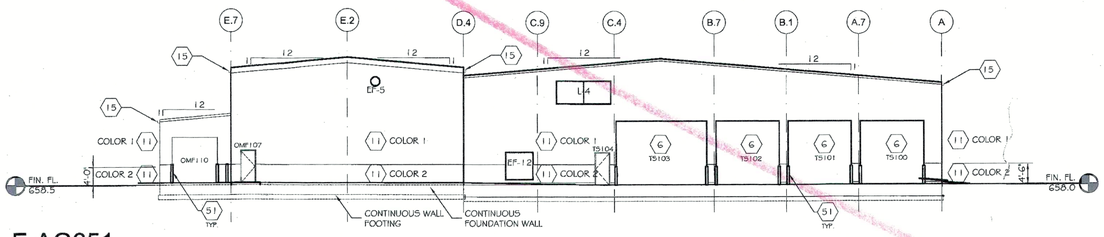
GARAGE EXTERIOR ELEVATIONS



DETAIL A-AG651

0 16'

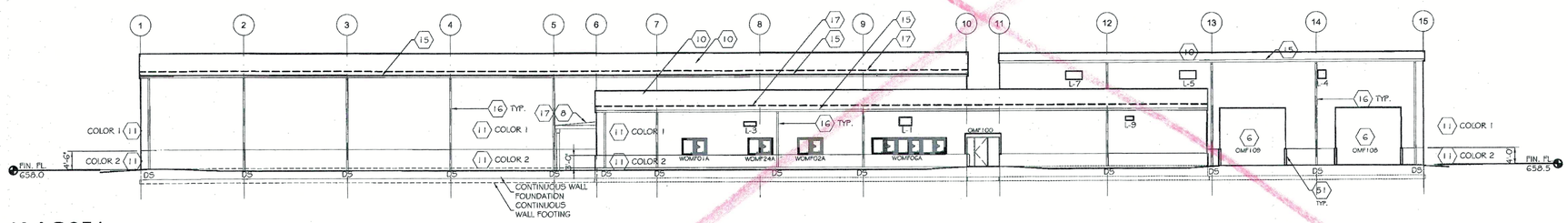
NORTH ELEVATION GARAGE BUILDING



DETAIL F-AG651

0 16'

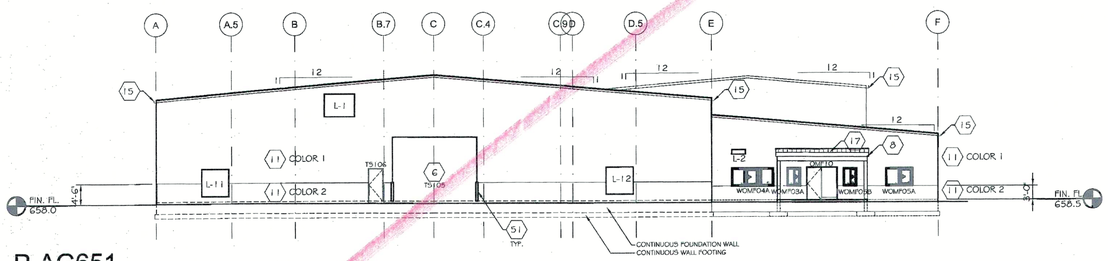
EAST ELEVATION GARAGE BUILDING



DETAIL K-AG651

0 16'

SOUTH ELEVATION GARAGE BUILDING



DETAIL P-AG651

0 16'

WEST ELEVATION GARAGE BUILDING

CODED NOTES

- 06 10" OPENING FRAMING (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 15 6X6 MBS GUTTER (36 SQUARE INCHES). (13 34 19)
- 16 4X5 MBS DOWNSPOUT. (13 34 19).
- 17 SNOW GUARD (13 34 19).
- 51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2'X2'X6' (AND 3') GRADE A (SINGLE FOUR) UNITS.

GENERAL SHEET NOTES

1. PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2. PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SILLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
3. SEE SHEETS AT201, AV201, AND A0201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.
5. SEE SHEET H501 FOR LOUVER AND EXHAUST FAN DIMENSIONS AND WEIGHTS.

THOMAS & MARKER CONSTRUCTION

Remondini Design, Inc. RDI

STATE OF OHIO THOMAS I. CONVERSE 6425 REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

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AG651

GARAGE EXTERIOR ELEVATIONS

BULLETIN

Project:	DOT-130006 **ATHENS FULL SERVICE MAINTENANCE FACILITY**	Bulletin No.:	**007**
		Date of Issue:	8/27/2014 *Revised 9/17/2014*
Owner:	Ohio Department of Transportation	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker	Contract For:	Design-Build Contract
Contract Dated:		Architects' Project No.:	13301

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

Ceiling and Office Partition Coordination

'A' Drawings Coded Notes:

- Add to Coded Note 33 the following: "...PROVIDE 600S162-97 CFMF HORIZONTALLY BETWEEN STUDS 48" OC."
- Change Coded Note 44 "...of purlins..." to "...OF ROOF DECK..."

Ceiling Coordination and Office Counter Coordination
Change Sheet A501 Revised 7/25/2014 to Sheet A501 Revised 8/27/2014.
Room Finish Schedule

- Room OMF13 – POL – Delete Metal Liner Panel (Suspended MR Gypsum Board remains). Ceiling height 13-feet-9-inches.
- Room OMF14 – Compressor – Delete Metal Liner Panel (Suspended MR Gypsum Board remains). Ceiling height 13-feet-9-inches.

Details F-A501 and G-A501

- Revised counter support to delete gussets and add support frames.

Details K-A501 and L-A501

- Added required toe and knee clearance requirements.

Detail R-A501

- Revised counter support to delete gussets and add support frames.

Detail S-A501

- Clarified reinforced partition framing at counter supports.

Electrical Coordination:

- In OMF23.1, in lieu of CL-18 lighting fixtures, provide R-2.
- In OMF15, in lieu of CL-19 lighting fixtures, provide R-3.

Office Partition Coordination
Change Sheet AO201 Revised August 12, 2014 to Sheet AO201 Revised August 27, 2014

- Added Detail U-AO201 - In lieu of steel stud and Gypsum Board Partitions to underside of purlins above, provide partitions to 12-feet-0-inches AFF. *Bracing to purlins not required within 4-feet of corners or ends of partitions supported at top by adjoining walls. At partitions forming perimeter of area*

SEE ASI BINDER FOR FURTHER DETAILS

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 036

REQUEST FOR INFORMATION

TO:	RDI Architects	**DATE:**	18-Aug-14
ATTN:	Tom Converse	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	AO201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Recessed Floor Mat		

Please see attached confirming RFI.

Coded Note (26) - recessed floor mat, on sheet AO201, to be deleted at OMF23.1 location. Recessed floor mat, will still be installed at the south side vestibule OMF22.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 25-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

8/25/2014 - CRITERIA REQUIRES EQ7042 - WALK-OFF MAT, RECESSED IN OMF-022 - ENTRANCE VESTIBULE. CRITERIA DOES NOT REQUIRE EQ7042 IN OMF23.1

DATE OF REPLY: 8/25/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

Matulja, Rick

From: Andry, Tom
Sent: Tuesday, August 26, 2014 2:49 PM
To: Alex Wall; morganq1m@aol.com; Tom Marshall
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: Fwd: 13301 - Office Drains - DOT-130006 - Athens Full Service Maintenance Facility

All,
See below. Thanks.

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P): 614.754.8349
(F): 614.824.1605
(C): 937.407.5229
Athens ODOT Full Service Facility

Sent from my iPhone

Begin forwarded message:

From: Tom Converse <TConverse@RDIColumbus.com>
Date: August 26, 2014 at 2:04:19 PM EDT
To: "Andry, Tom" <tandry@thomas-marker.com>
Cc: <jklock@starconsultants.org>, <Rich.Oster@dot.state.oh.us>, <Sulaiman.Bah@dot.state.oh.us>
Subject: 13301 - Office Drains - DOT-130006 - Athens Full Service Maintenance Facility
Reply-To: <TConverse@RDIColumbus.com>

Tom
Set Office floor drains with 'bowl' in floor with 2-feet radius, centered on drain, and floor sloping down to drain 1/4-inch-per-foot.
Tom Converse

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-012**
		Date of Issue:	August 26, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Recessed Floor Mat Location

Locate Recessed Floor Mat centered in OMF22. Center of mat 24-feet-2-1/4-inches from face of masonry near Line E and 6-feet-2-1/8-inches from face of masonry near Line 6.

Attachments:

Issued by

Renouveau Design, Inc. — Thomas I. Converse — August 26, 2014 (Date)

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 041

REQUEST FOR INFORMATION

TO:	RDI Architects	**DATE:**	20-Aug-14
ATTN:	Tom Converse	**PAGE:**	1 of 2
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Stud Alignment		

Please see attached confirming RFI.

Thanks.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 21-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

8/20/2014 - ALIGN STUD PARTITION BETWEEN OMF08 AND OMF23.1 WITH STUD PARTITION BETWEEN OMF08 AND OMF23.1. AT E10, FACE OF STUD WILL BE 2-5/8-INCHES FROM FACE OF MASONRY. THE DIMENSION STRING IN CORRIDOR ENDING WITH 5-FEET-5-1/2-INCHES WILL NOW END WITH 5-FEET 2-7/8-INCHES. SHOWER FIXTURE DOES NOT MOVE.

DATE OF REPLY: 8/20/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 033

REQUEST FOR INFORMATION

TO:	RDFA & RDI Architects	**DATE:**	12-Aug-14
ATTN:	Greg Topp & Christi Jewell	**PAGE:**	1 of 1
EMAIL:	gtopp@rdfa.com; tconverse@rdicolumbus.co	**DWG:**	AO201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Shower 1 - Dimensions		

Please see attached RFI from our plumbing subcontractor.

There is a possible issue with some dimensions given on page AO201. The SHR-1 that was submitted is a 36" unit. The dimension given at this location is 4' 0 1/8".

If you subtract the stud wall this leaves a rough opening of 3' 8 1/2". This shower only requires a 36" opening.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 19-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

8/12/2014 - ADJUST LOCATION OF PARTITION BETWEEN OMF07 (SHOWER) AND OMF18 (JANITOR'S CLOSET AS REQUIRED FOR SHOWER ROUGH-IN.
STUD DEPTH ON SHOWER MIXING VALVE SIDE OF SHOWERS IS 6" (VERIFY PLUMBING FITTINGS WILL FIT).
SEE SHEET AO201 REVISED 8/12/2014.
ADJUSTED LOCATION OF PARTITION WITH DOOR OMF07A AND PARTITION WITH DOOR OMF08A.
ADJUSTED LOCATION OF TOILETS AND URINALS IN OMF07 AND OMF08.
ADJUSTED LOCATION OF LAVATORIES IN OMF07 AND OMF08.

DATE OF REPLY: 8/12/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-006**
		Date of Issue:	August 5, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
Changed Dimensions Near Line F

In Facility Office, changed dimensions near Line F to Face of Masonry as requested by Field.

Attachments:
13301 AO201 140801

Issued by

Renouveau Design, Inc. — Thomas I. Converse — 8/5/2014 (Date)

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-001**
		Date of Issue:	July 22, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
East Entrance Overhang (See K-AV201, K-AT201 and J-AO201)

Line 10 from F to E
There are Metal Wall Panels in covered recess (Review Comment Note 1.48).

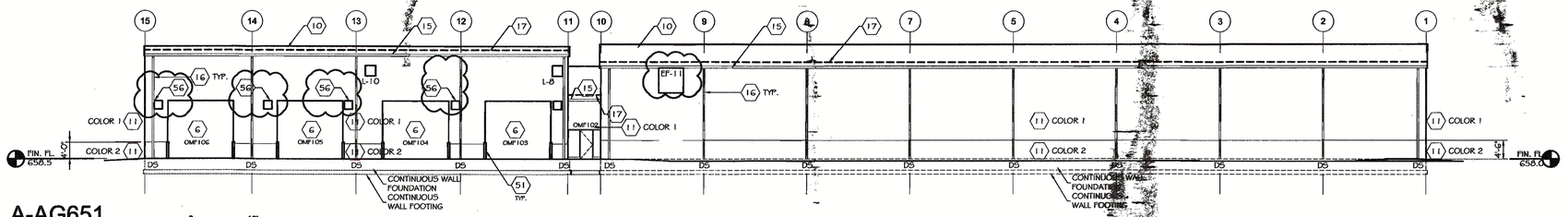
Line 11 from F to E
MBS required above 6-feet-high masonry stem wall to 4-feet-8-5/8-inches past F.
It looks like additional girts and opening framing required.
There are Liner Panels on Vehicle Maintenance Side.
There are Metal Wall Panels in covered recess (Review Comment Note 1.48).

West Entrance Overhang (See K-AV201 and O-AO201)

Line 10 from D.5 to E
MBS continues from D.5 to 4-feet-4-3/4-inches past D.4.
It looks like additional girts and opening framing required.
There are Liner Panels on Heated Truck Storage side.
There are Metal Wall Panels in covered recess (Review Comment Note 1.48).
(E12 and E13 show panels but I'm not sure they cover the required width.)

Line 11 from D.4 to E
MBS required above 6-feet-high masonry stem wall to 4-feet-4-3/4-inches past D.4.
It looks like additional girts and opening framing required.
There are Liner Panels on Vehicle Maintenance Side.
There are Metal Wall Panels in covered recess (Review Comment Note 1.48).

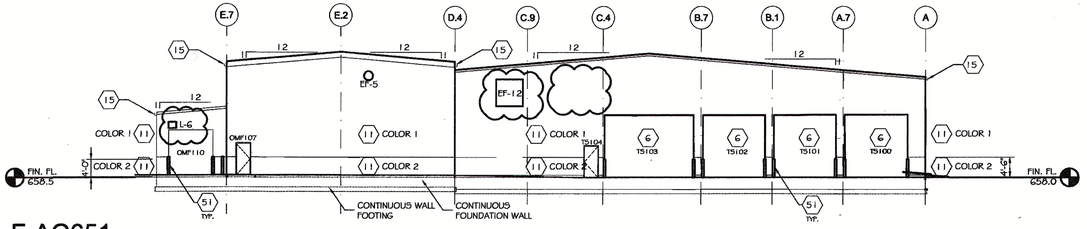
Attachments:



DETAIL A-AG651

0 16'

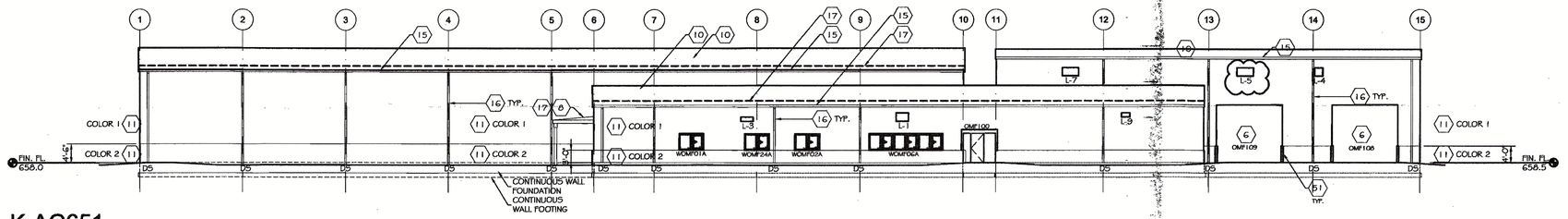
NORTH ELEVATION GARAGE BUILDING



DETAIL F-AG651

0 16'

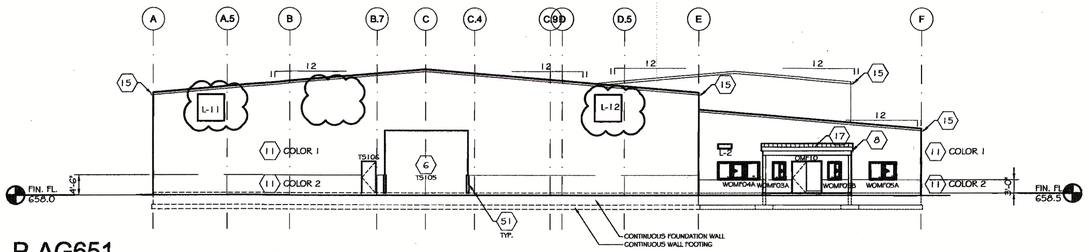
EAST ELEVATION GARAGE BUILDING



DETAIL K-AG651

0 16'

SOUTH ELEVATION GARAGE BUILDING



DETAIL P-AG651

0 16'

WEST ELEVATION GARAGE BUILDING

CODED NOTES

- 06 10" OPENING FRAMING (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 15 6X6 MB5 GUTTER (36 SQUARE INCHES). (13 34 19)
- 16 4X5 MB5 DOWNSPOUT. (13 34 19).
- 17 SNOW GUARD (13 34 19).
- 51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING FLUSH BLOCK/RETAINING WALL, 2'X2'X6" (AND 3') GRADE A (SINGLE POUR) UNITS.
- 56 VENT FOR INFRARED HEATER. EXACT DIMENSIONS TO BE COORDINATED WITH MECHANICAL CONTRACTOR.

GENERAL SHEET NOTES

1 PROVIDE MB5 ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MB5 WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

3 SEE SHEETS AT201, AV201, AND A0201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.

4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

5 SEE SHEET H501 FOR LOUVER AND EXHAUST FAN DIMENSIONS AND WEIGHTS.

THOMAS & MARKER CONSTRUCTION
Resources Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
REVISED AUGUST 1, 2014

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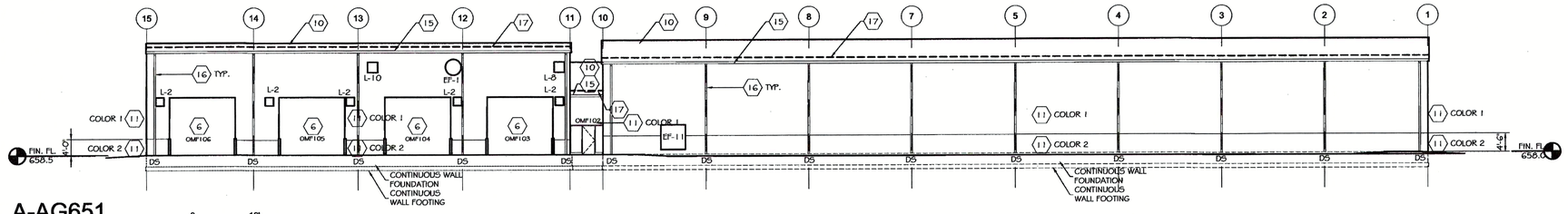
AG651

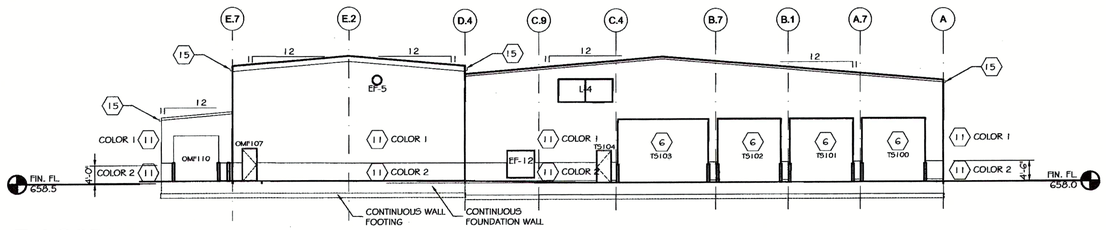
GARAGE EXTERIOR ELEVATIONS



DETAIL A-AG651

0 16'

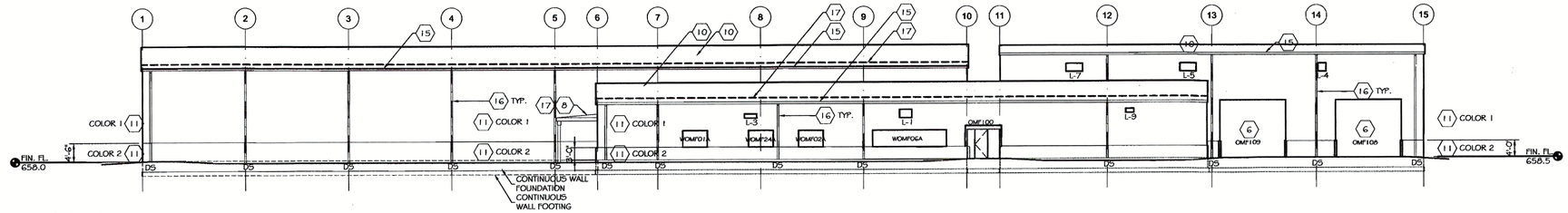
NORTH ELEVATION GARAGE BUILDING



DETAIL F-AG651

0 16'

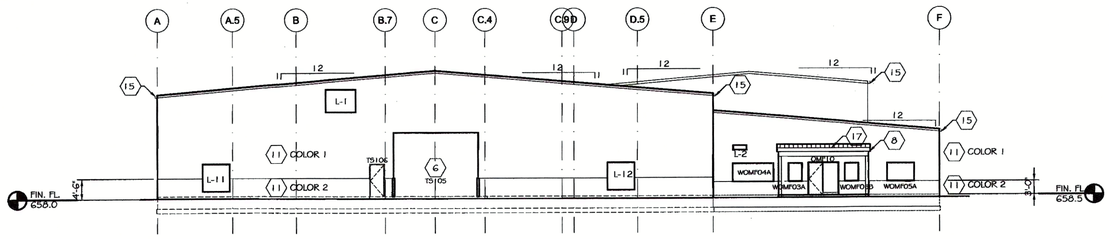
EAST ELEVATION GARAGE BUILDING



DETAIL K-AG651

0 16'

SOUTH ELEVATION GARAGE BUILDING



DETAIL P-AG651

0 16'

WEST ELEVATION GARAGE BUILDING

CODED NOTES

06 10" OPENING FRAMING (13 34 19).

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).

15 4X5 MB5 GUTTER (20 SQUARE INCHES). (13 34 19)

16 4X5 MB5 DOWNSPOUT. (13 34 19).

17 SNOW GUARD (13 34 19).

GENERAL SHEET NOTES

1 PROVIDE MB5 ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MB5 WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SILLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

3 SEE SHEETS AT201, AV201, AND A0201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.

4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

5 SEE SHEET H501 FOR LOUVER AND EXHAUST FAN DIMENSIONS AND WEIGHTS.

THOMAS & MARKER CONSTRUCTION

Renaissance Designs, Inc.

RDI

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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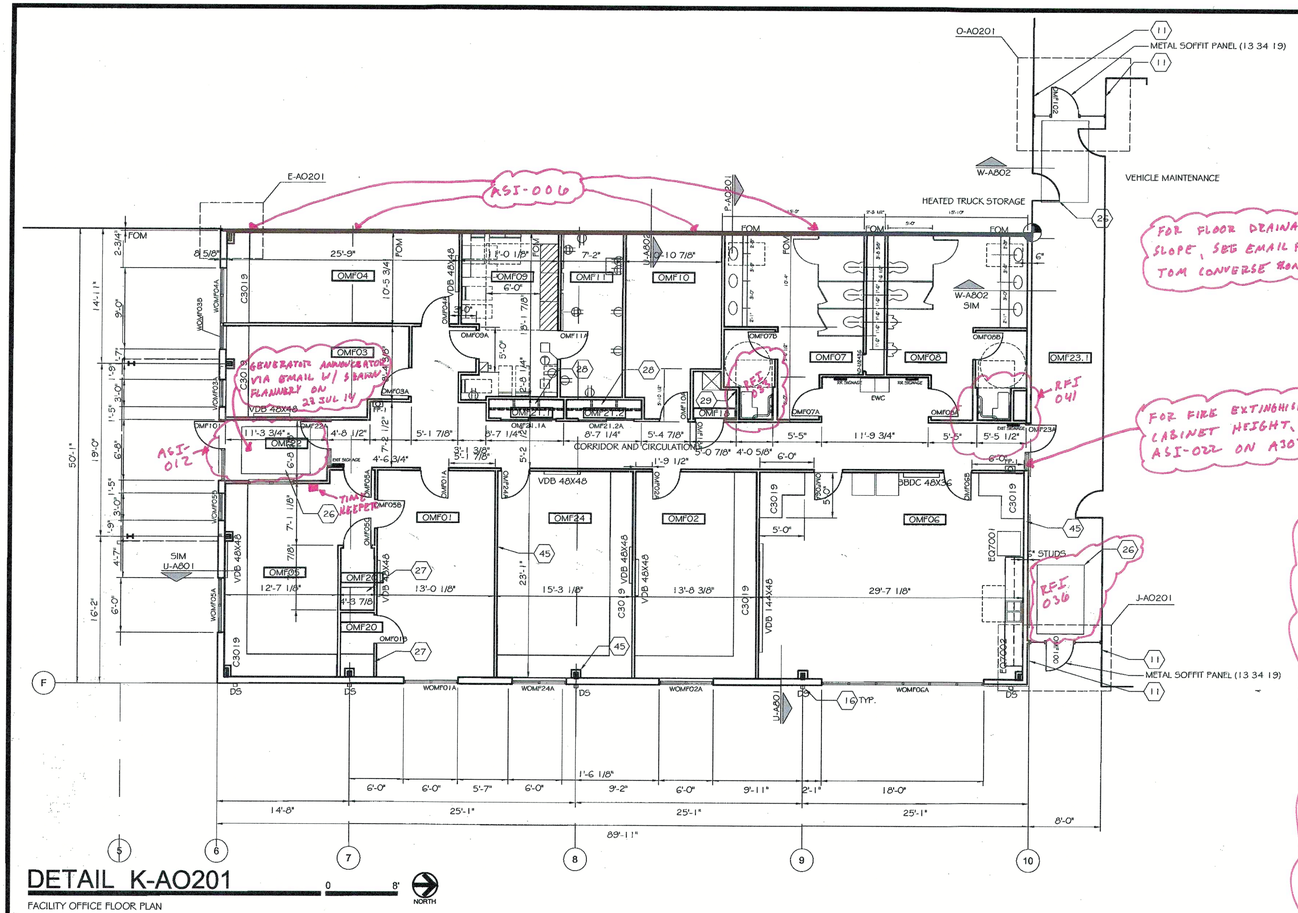
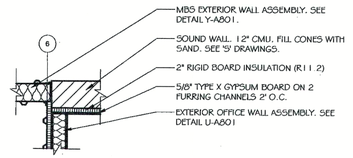
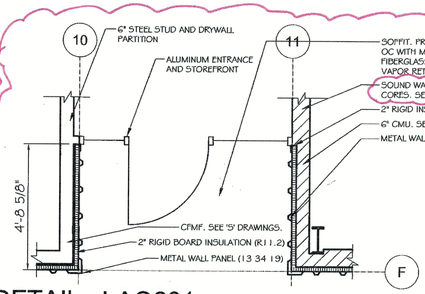
AG651

GARAGE EXTERIOR ELEVATIONS

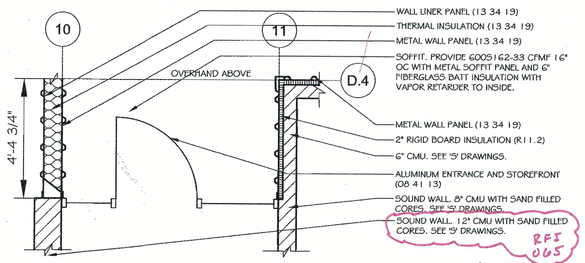




DETAIL E-AO201



DETAIL J-AO201



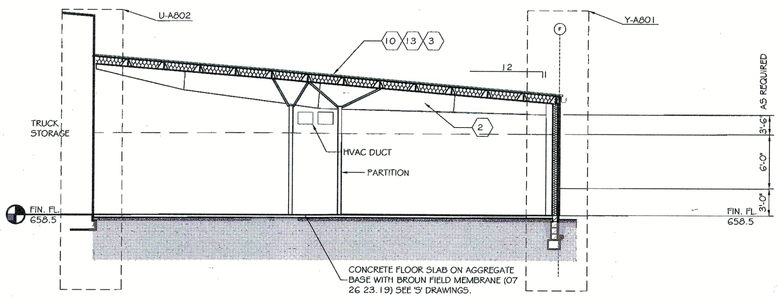
DETAIL O-AO201

CODED NOTES

- 02 MBS PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
- 16 4X5 MBS DOWNSPOUT. (13 34 19).
- 26 RECESSED FLOOR MAT, 5' X 7' AND 5' X 9' (12 48 13). BULLETIN -009 ASI 012
- 27 WOOD SHELVING (06 20 23). (4) SHELVES 30" DEEP, 24', 42", 60", AND 78" AFF.
- 28 WOOD SHELVING AND CLOTHES ROD (06 20 23). CLOTHES ROD 57" AFF. (3) SHELVES 12" DEEP 60", 72", AND 84" AFF.
- 29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24', 36", 48", 60", AND 72" AFF.
- 45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA 16" OC FROM BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION. PROVIDE SLIP-TYPE HEAD JOINT.
- 54 SOFFIT. PROVIDE 6005162-33 CFMF 16" OC WITH METAL SOFFIT PANEL AND 6" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER TO INSIDE.

DESIGNATIONS

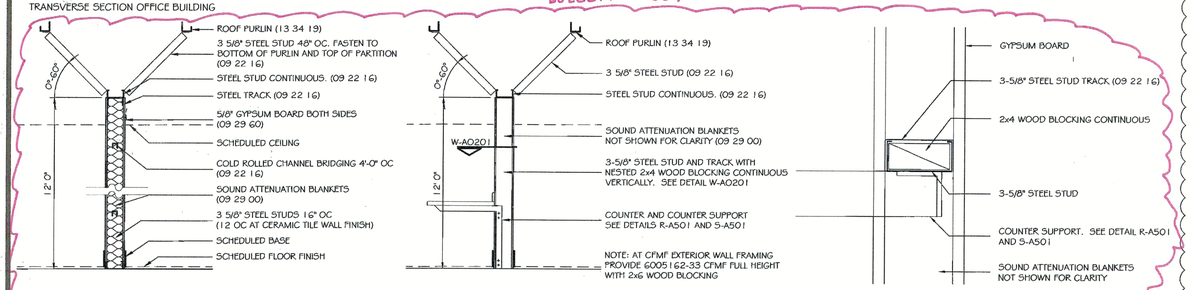
VDB 144X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 144W X 48H (10 11 00)
VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 30D TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL S-A501
RR SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.
EXIT SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.

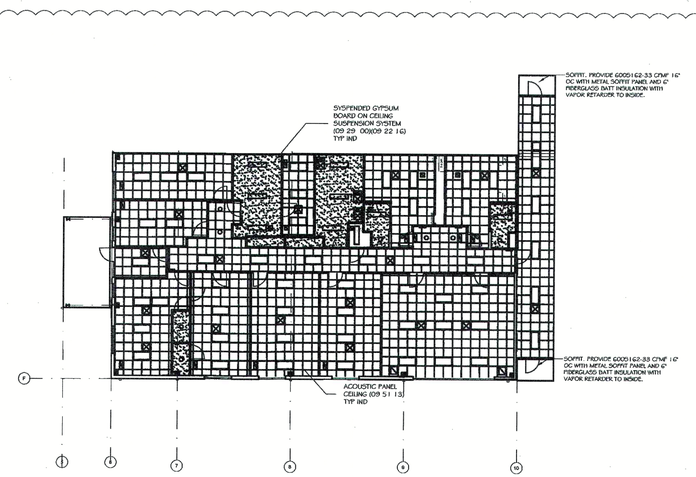


DETAIL P-AO201

TRANSVERSE SECTION OFFICE BUILDING

BULLETIN -007





GENERAL SHEET NOTES

1. PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2. PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SEILS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
3. SEE SHEETS AT201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.
6. CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.
7. AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.
10. PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION
Resource Design, Inc.
RDI

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 15, 2014
JULY 30, 2014
AUGUST 1, 2014
AUGUST 12, 2014
AUGUST 27, 2014
SEPTEMBER 11, 2014
SEPTEMBER 17, 2014
OCTOBER 15, 2014

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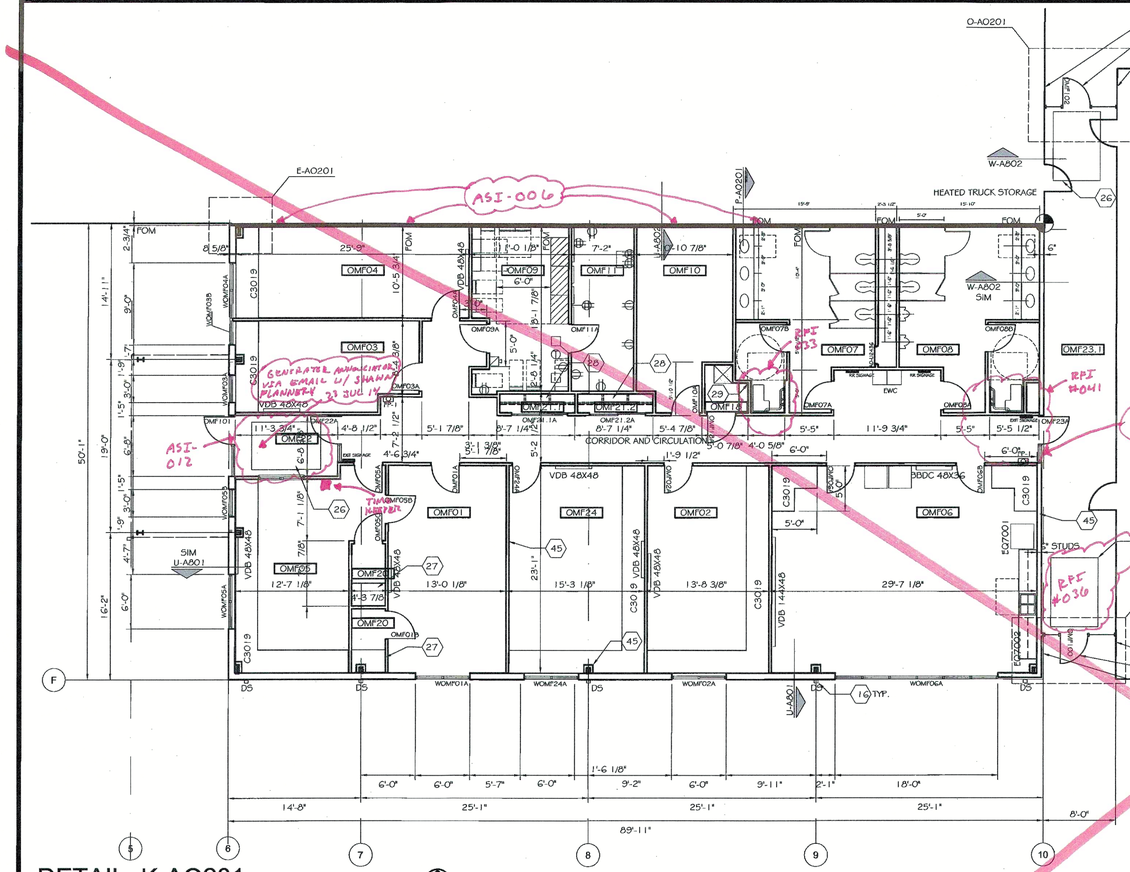
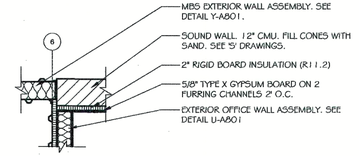
AO201

FACILITY OFFICE

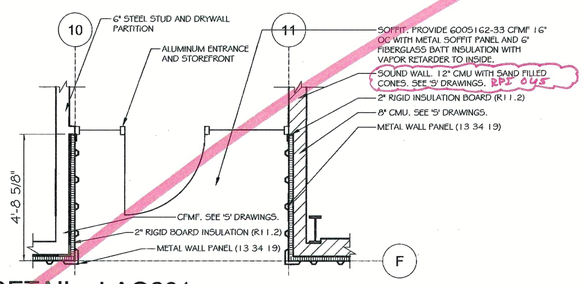


DETAIL K-AO201

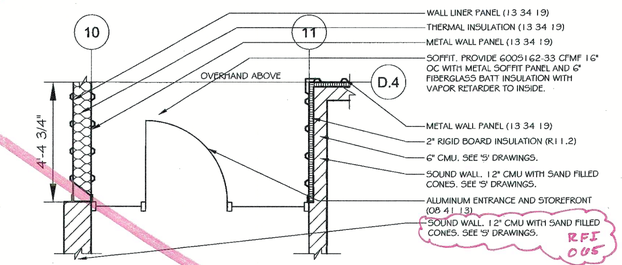
FACILITY OFFICE FLOOR PLAN



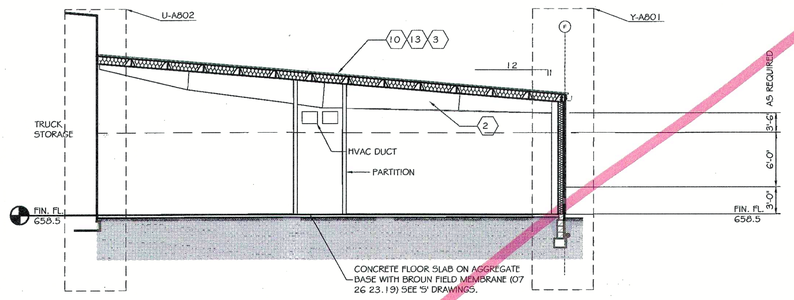
DETAIL E-AO201



DETAIL J-AO201



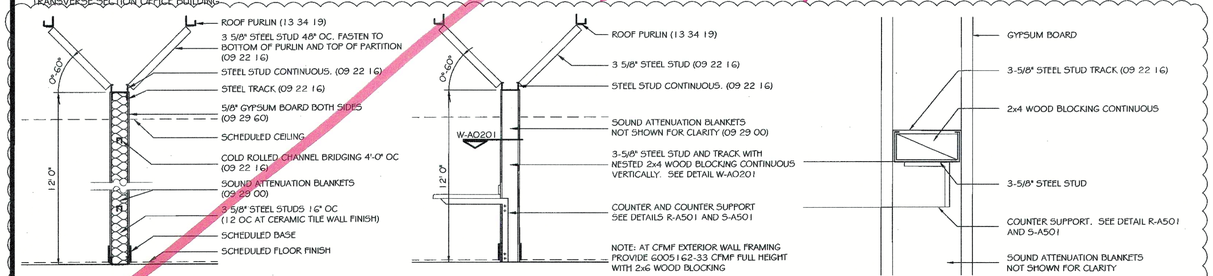
DETAIL O-AO201



DETAIL P-AO201

TRANSVERSE SECTION OFFICE BUILDING

BULLETIN 007



DETAIL U-AO201

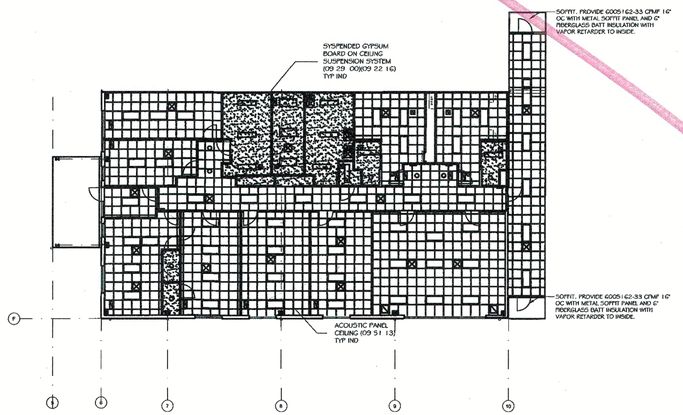
TYPICAL PARTITION DETAIL

DETAIL V-AO201

REINFORCED FRAMING AT COUNTER SUPPORTS

DETAIL W-AO201

REINFORCED FRAMING AT COUNTER SUPPORTS



DETAIL X-AO201

FACILITY OFFICE REFLECTED CEILING PLAN

CODED NOTES

- 02 MBS PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
- 16 4X5 MBS DOWNSPOUT. (13 34 19).
- 26 RECESSED FLOOR MAT, 5' X 7' (12 48 13) — BULLETIN 003
- 27 WOOD SHELVING (06 20 23). (4) SHELVES 30" DEEP, 24", 42", 60", AND 78" AFF.
- 28 WOOD SHELVING AND CLOTHES ROD (06 20 23). CLOTHES ROD 57" AFF. (3) SHELVES 12" DEEP 60", 72", AND 84" AFF.
- 29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24", 36", 48", 60", AND 72" AFF.
- 45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA I 6" OC FROM BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION. PROVIDE SLIP-TYPE HEAD JOINT.
- 54 SOFFIT. PROVIDE 600S162-33 CFMF 16" OC WITH METAL SOFFIT PANEL AND 6" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER TO INSIDE.

DESIGNATIONS

VDB 144X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 144W X 48H (10 11 00)
VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 30D TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL S-A501
RR SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.
EXIT SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.

GENERAL SHEET NOTES

1. PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2. PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
3. SEE SHEETS AT201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.
6. CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.
7. AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.
10. PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION
Renovation Design, Inc.
RDI

STATE OF OHIO
THOMAS I. CONVERSE
6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 15, 2014
JULY 30, 2014
AUGUST 1 2014
AUGUST 12, 2014
AUGUST 27, 2014

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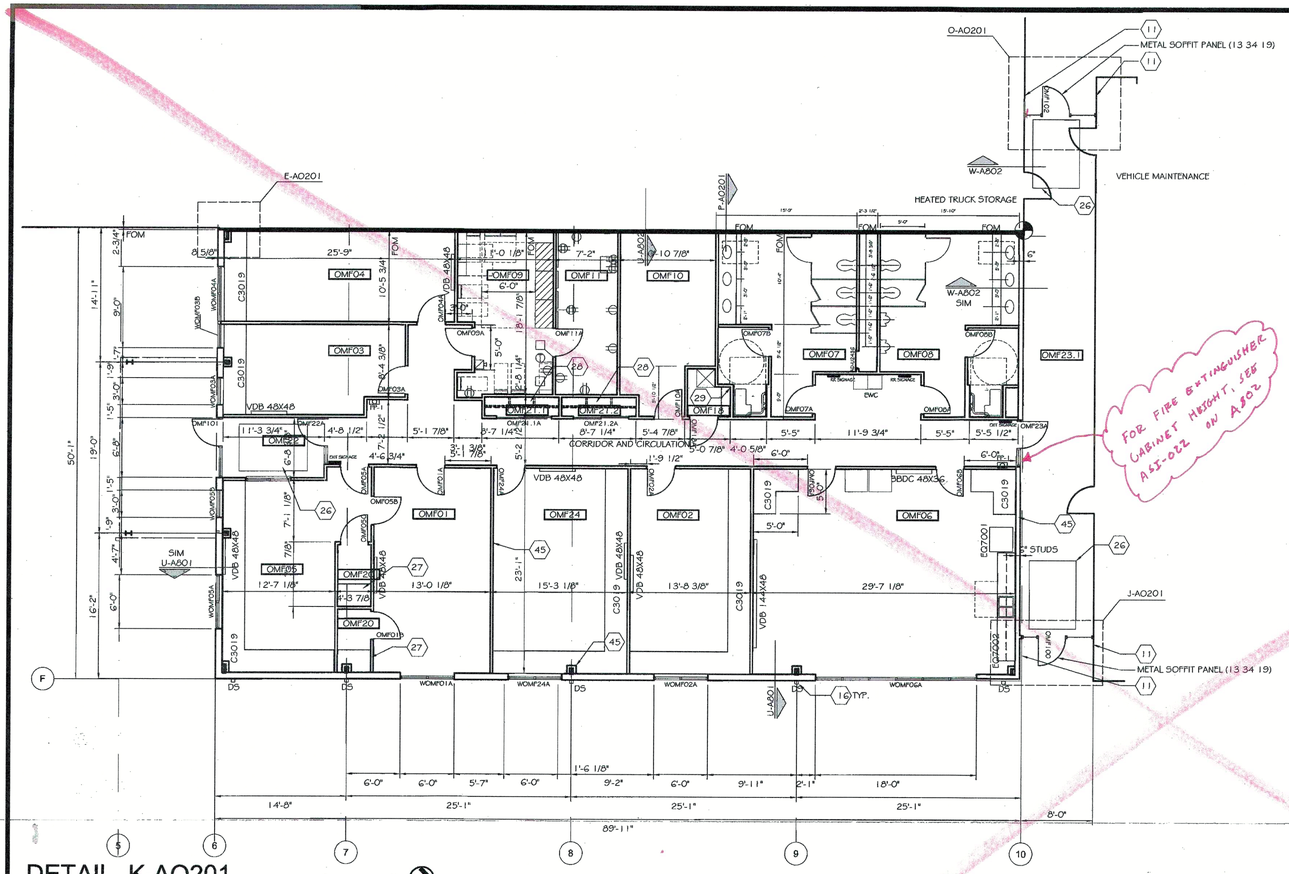
AO201

FACILITY OFFICE

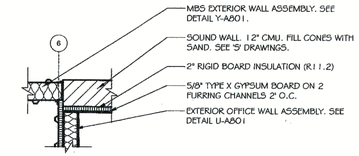


DETAIL K-AO201

FACILITY OFFICE FLOOR PLAN

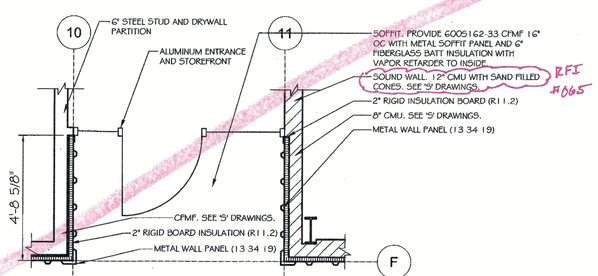
0 8'

NORTH



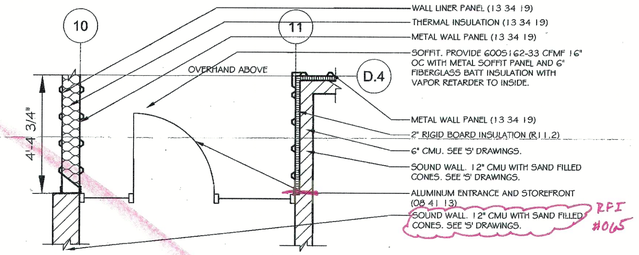
DETAIL E-AO201

0 1'-4"



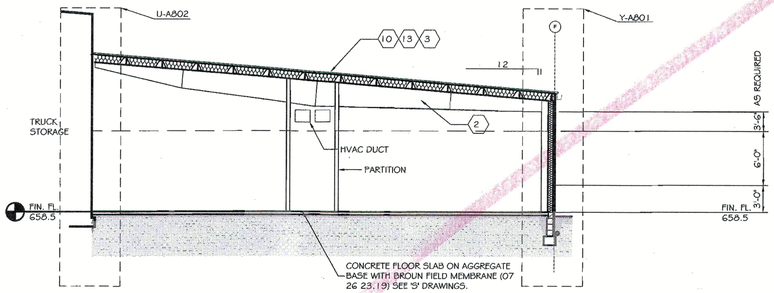
DETAIL J-AO201

0 1'-4"



DETAIL O-AO201

0 1'-4"

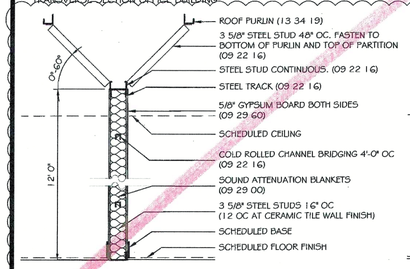


DETAIL P-AO201

TRANSVERSE SECTION OFFICE BUILDING

0 8'

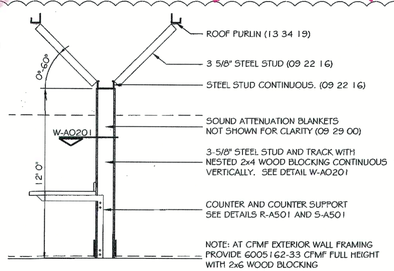
BULLETIN- 007



DETAIL U-AO201

TYPICAL PARTITION DETAIL

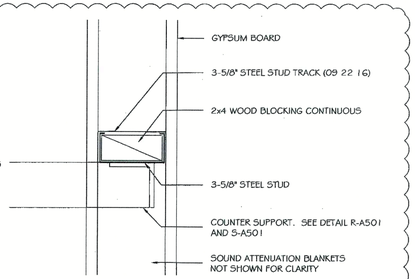
0 1'-4"



DETAIL V-AO201

REINFORCED FRAMING AT COUNTER SUPPORTS

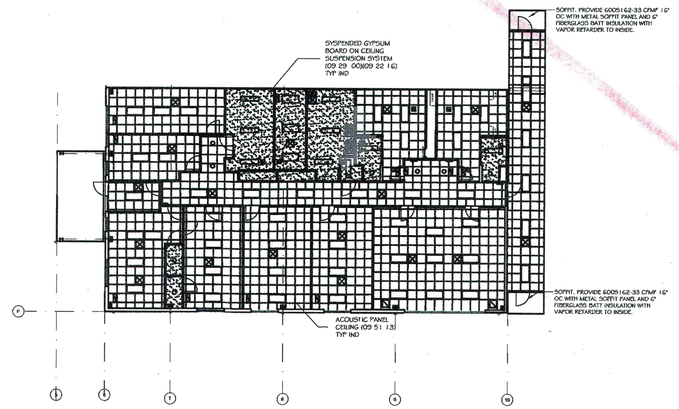
0 1'-4"



DETAIL W-AO201

REINFORCED FRAMING AT COUNTER SUPPORTS

0 4"



DETAIL X-AO201

FACILITY OFFICE REFLECTED CEILING PLAN

0 16'

CODED NOTES

- 02 MBS PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
- 16 4X5 MBS DOWNSPOUT. (13 34 19).
- 26 RECESSED FLOOR MAT, 5'X 7' (12 48 13) — SEE BULLETIN 009
- 27 WOOD SHELVING (06 20 23). (4) SHELVES 30" DEEP, 24', 42", 60", AND 78" AFF.
- 28 WOOD SHELVING AND CLOTHES ROD (06 20 23). CLOTHES ROD 57" AFF. (3) SHELVES 12" DEEP 60", 72", AND 84" AFF.
- 29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24', 36", 48", 60", AND 72" AFF.
- 45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA 16" OC FROM BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION. PROVIDE SLIP-TYPE HEAD JOINT.
- 54 SOFFIT. PROVIDE 6005162-33 CFMF 16" OC WITH METAL SOFFIT PANEL AND 6" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER TO INSIDE.

DESIGNATIONS

VDB 144X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 144W X 48H (10 11 00)
VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 300 TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL S-A501
RR SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.
EXIT SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.

GENERAL SHEET NOTES

1. PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2. PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
3. SEE SHEETS AT201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.
6. CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.
7. AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.
10. PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION

Rowsome Design Inc.

RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 15, 2014
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AUGUST 27, 2014

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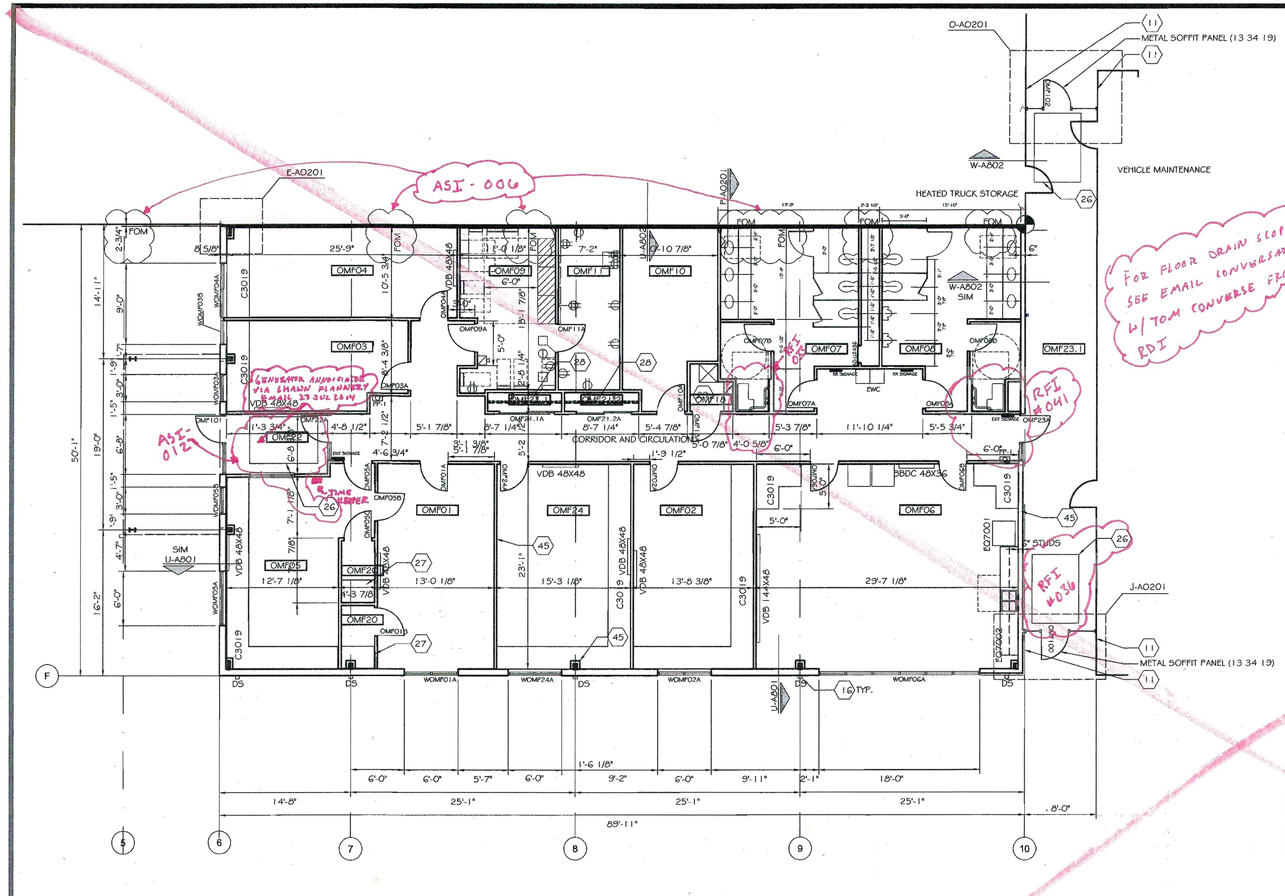
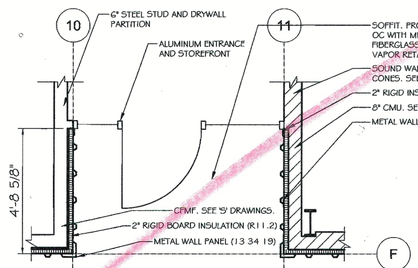
AO201

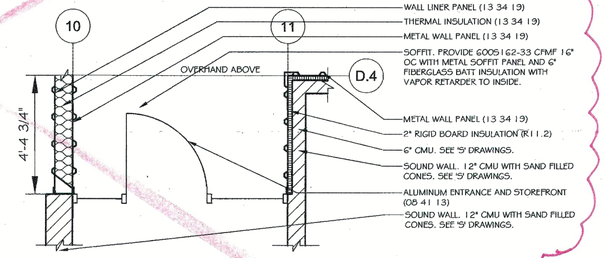
FACILITY OFFICE



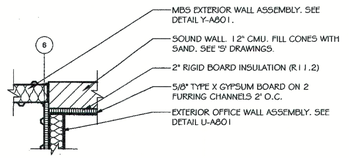
DETAIL E-AO201



DETAIL J-AO201



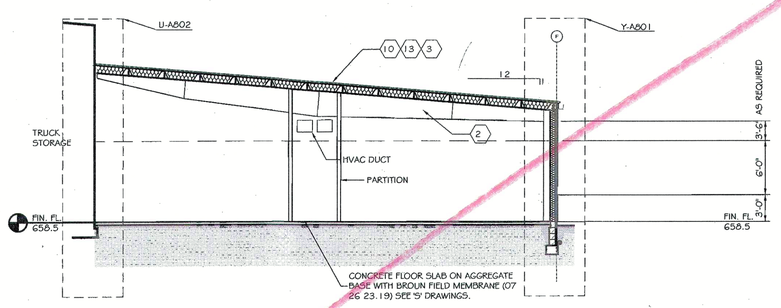
DETAIL O-AO201



DETAIL K-AO201

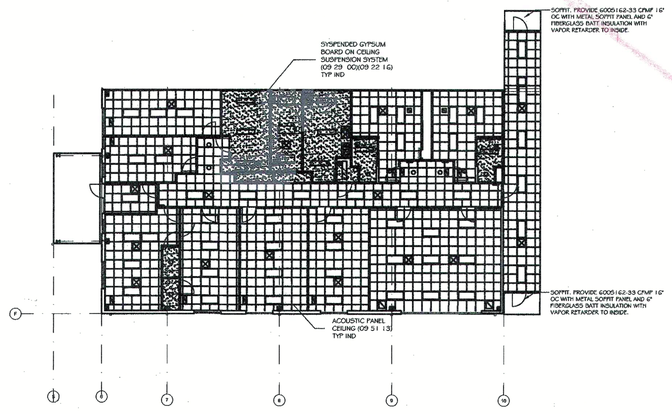
FACILITY OFFICE FLOOR PLAN

DETAIL P-AO201



TRANSVERSE SECTION OFFICE BUILDING

DETAIL X-AO201



FACILITY OFFICE REFLECTED CEILING PLAN

CODED NOTES

- 02 MB5 PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
- 16 4X5 MB5 DOWNSPOUT. (13 34 19).
- 26 RECESSED FLOOR MAT, 5' X 7' (12 48 13) ASI-012
- 27 WOOD SHELVING (06 20 23). (4) SHELVES 30" DEEP, 24", 42", 60", AND 78" AFF.
- 28 WOOD SHELVING AND CLOTHES ROD (06 20 23). CLOTHES ROD 57" AFF. (3) SHELVES 12" DEEP 60", 72", AND 84" AFF.
- 29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24", 36", 48", 60", AND 72" AFF.
- 45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA 16" OC FROM BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION. PROVIDE SLIP-TYPE HEAD JOINT.
- 54 SOFFIT. PROVIDE 6005162-33 CFMF 16" OC WITH METAL SOFFIT PANEL AND 6" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER TO INSIDE.

DESIGNATIONS

VDB 144X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 144W X 48H (10 11 00)
VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 30D TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL 5-A501
RR SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.
EXIT SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.

GENERAL SHEET NOTES

1 PROVIDE MB5 ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MB5 WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

3 SEE SHEETS AT201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.

4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

7 AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.

10 PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION
Resource Design, Inc.
RDI

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
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AUGUST 1 2014

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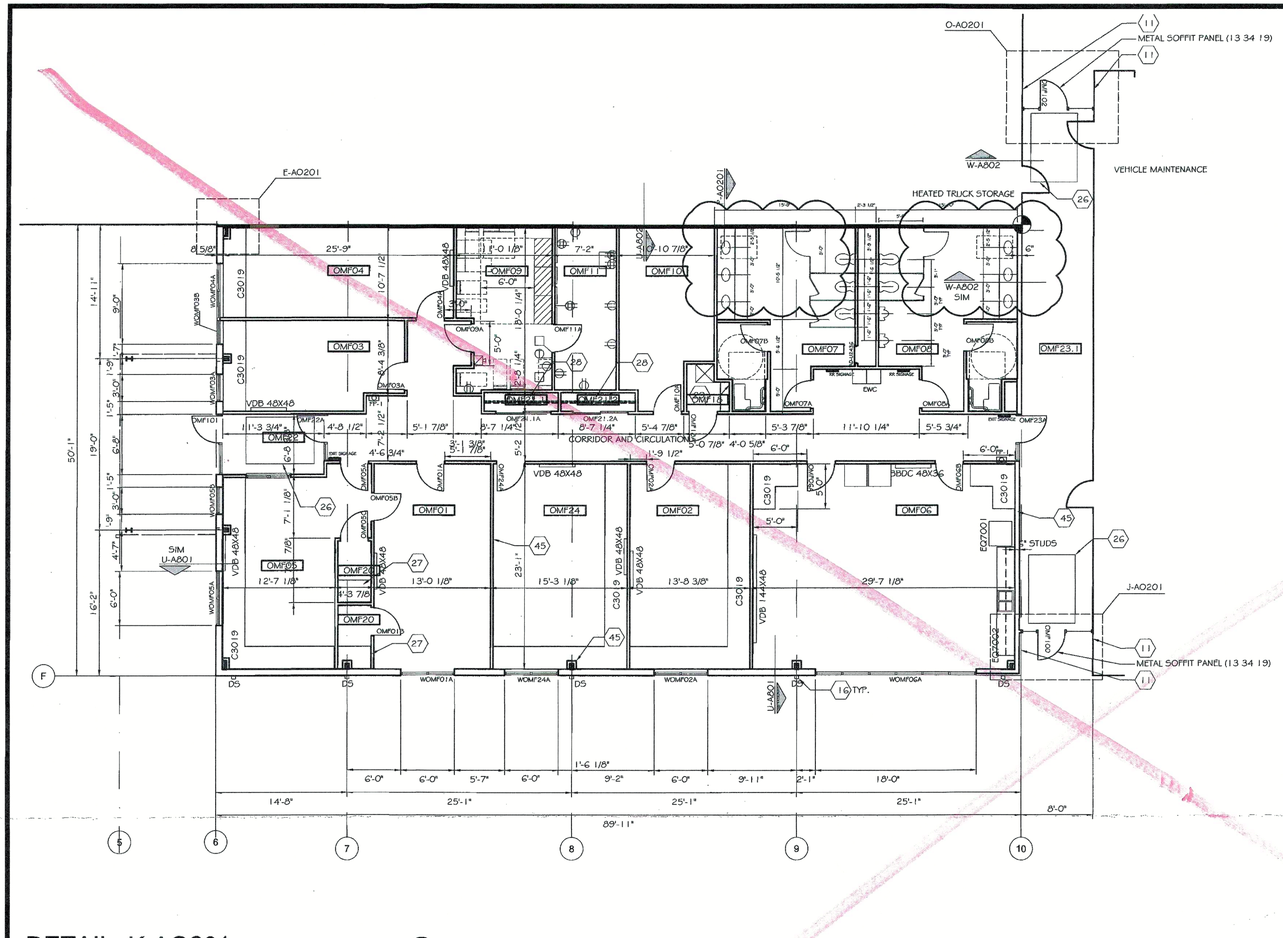
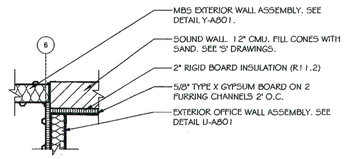
AO201

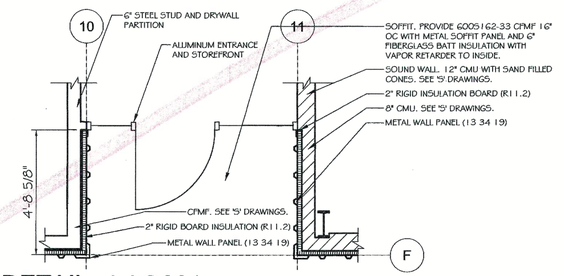
FACILITY OFFICE





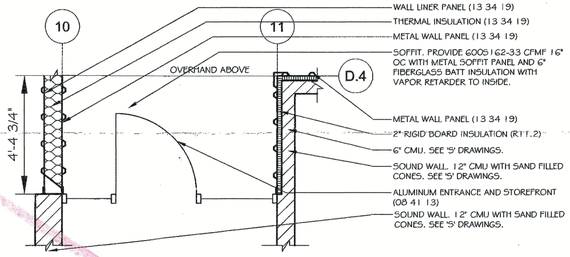
DETAIL E-AO201

0 1'-4"



DETAIL J-AO201

0 1'-4"



DETAIL O-AO201

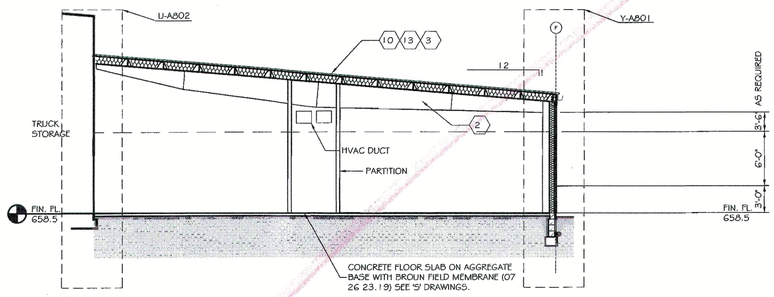
0 1'-4"

DETAIL K-AO201

0 8'

NORTH

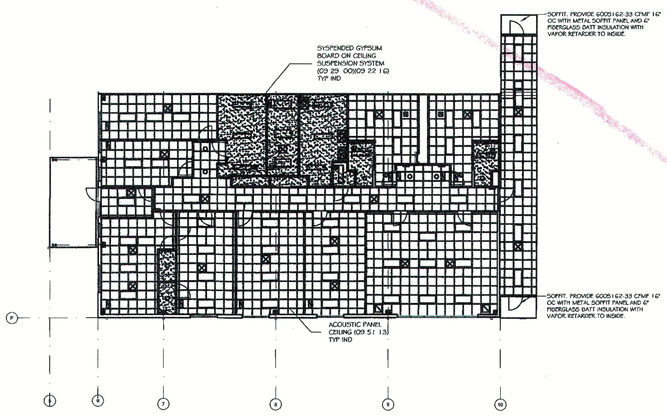
FACILITY OFFICE FLOOR PLAN



DETAIL P-AO201

0 8'

TRANSVERSE SECTION OFFICE BUILDING



DETAIL X-AO201

0 16'

FACILITY OFFICE REFLECTED CEILING PLAN

CODED NOTES

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- 29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24', 36", 48", 60", AND 72" AFF.
- 45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA 16" OC FROM BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION. PROVIDE SLIP-TYPE HEAD JOINT.
- 54 SOFFIT. PROVIDE 6005162-33 CFMF 16" OC WITH METAL SOFFIT PANEL AND 6" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER TO INSIDE.

DESIGNATIONS

VDB 144X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 144W X 48H (10 11 00)
VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 30D TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL S-A501
RR SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.
EXIT SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.

GENERAL SHEET NOTES

1. PROVIDE MB5 ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2. PROVIDE MB5 WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SILLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
3. SEE SHEETS AT201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.
6. CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.
7. AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.
10. PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION
Resources Design, Inc.
RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 15, 2014
JULY 25, 2014

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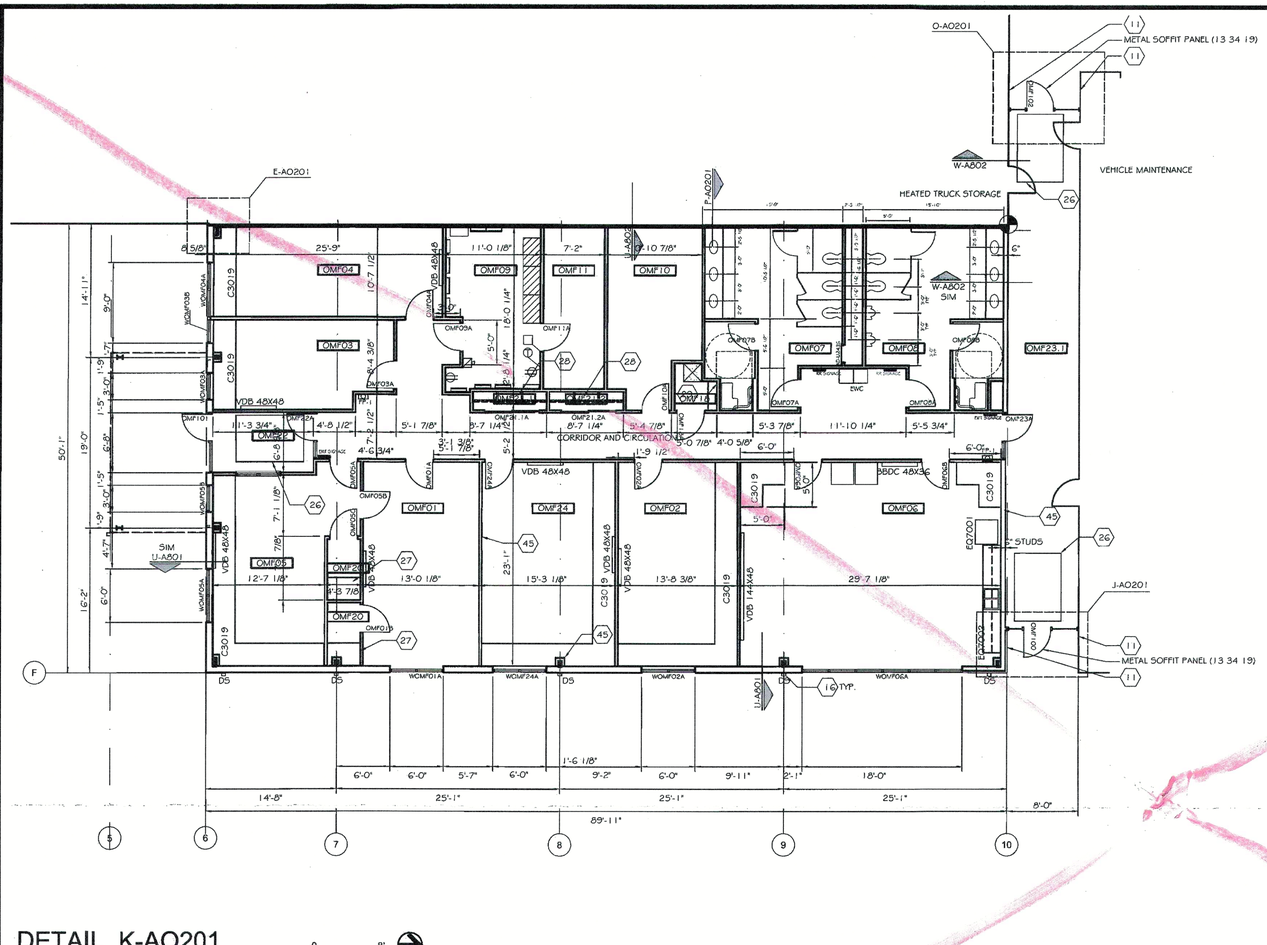
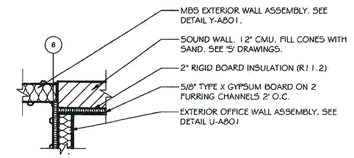
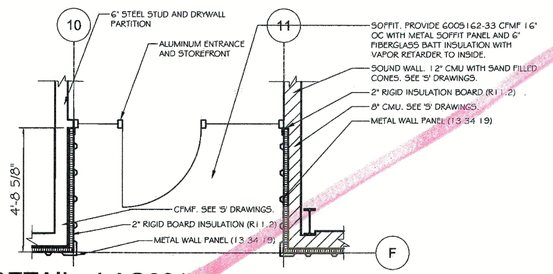
FACILITY OFFICE

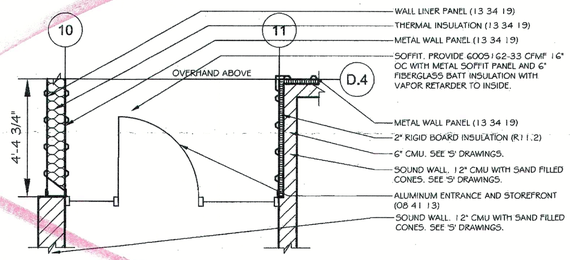




DETAIL E-AO201



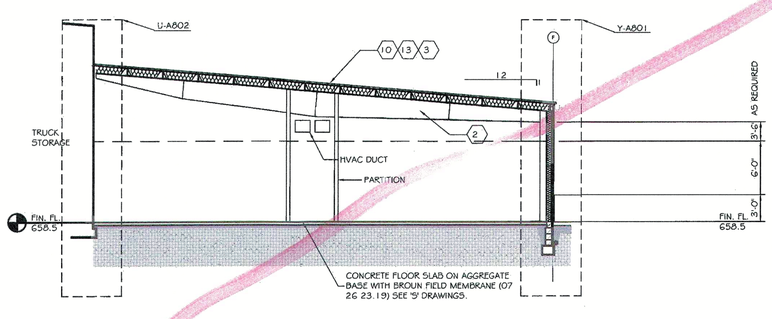
DETAIL J-AO201



DETAIL O-AO201

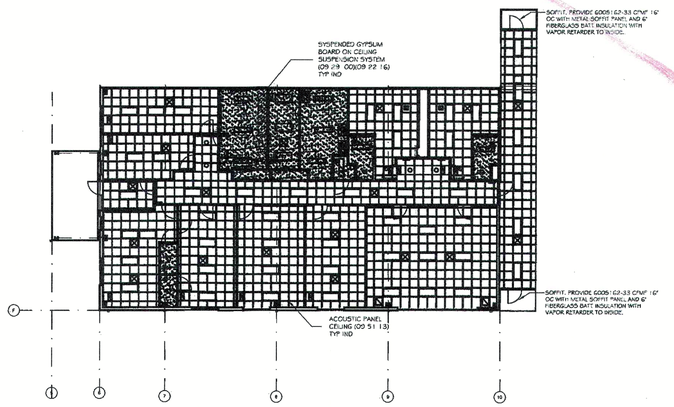
DETAIL K-AO201

FACILITY OFFICE FLOOR PLAN



DETAIL P-AO201

TRANSVERSE SECTION OFFICE BUILDING



DETAIL X-AO201

FACILITY OFFICE REFLECTED CEILING PLAN

CODED NOTES

- 02 MBS PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
- 16 4X5 MBS DOWNSPOUT. (13 34 19).
- 26 RECESSED FLOOR MAT, 5' X 7' (12 48 13)
- 27 WOOD SHELVING (06 20 23). (4) SHELVES 30" DEEP, 24", 42", 60", AND 78" AFF.
- 28 WOOD SHELVING AND CLOTHES ROD (06 20 23). CLOTHES ROD 57" AFF. (3) SHELVES 12" DEEP 60", 72", AND 84" AFF.
- 29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24", 36", 48", 60", AND 72" AFF.
- 45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA 16" OC FROM BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION. PROVIDE SLIP-TYPE HEAD JOINT.
- 54 SOFFIT. PROVIDE 600S162-33 CFMF 16" OC WITH METAL SOFFIT PANEL AND 6" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER TO INSIDE.

DESIGNATIONS

VDB 144X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 144W X 48H (10 11 00)
VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK. PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 30D TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL 5-A501
RR SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.
EXIT SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.

GENERAL SHEET NOTES

1. PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2. PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SILLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
3. SEE SHEETS AT201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.
6. CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.
7. AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.
10. PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION

Architecture + Design, Inc.
RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
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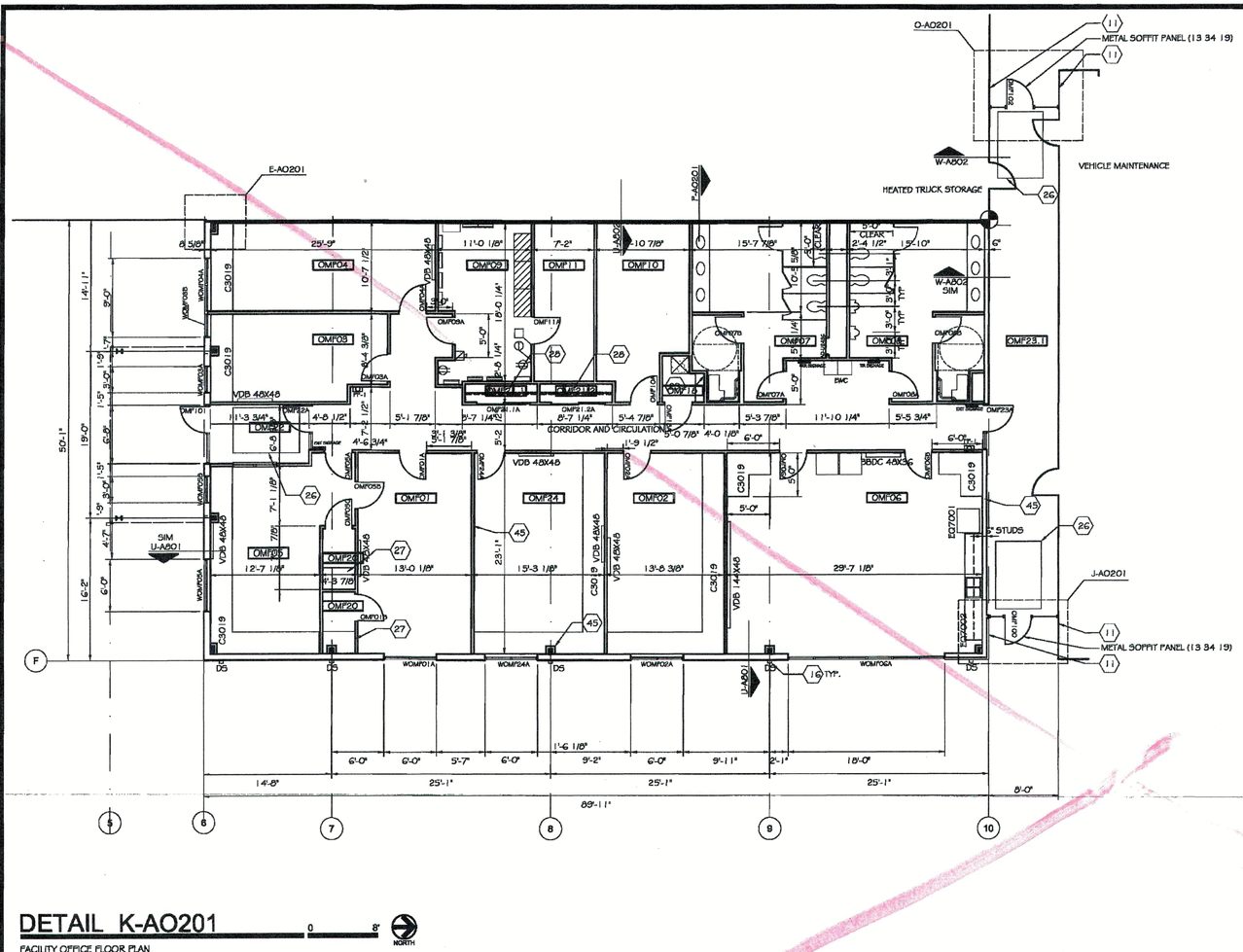
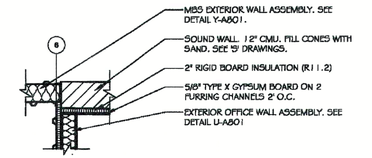
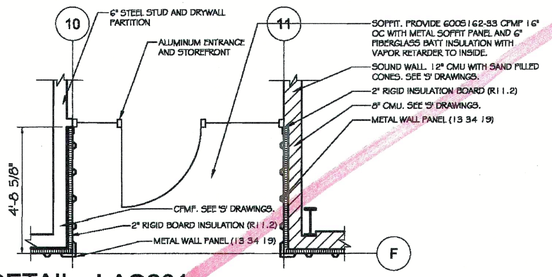


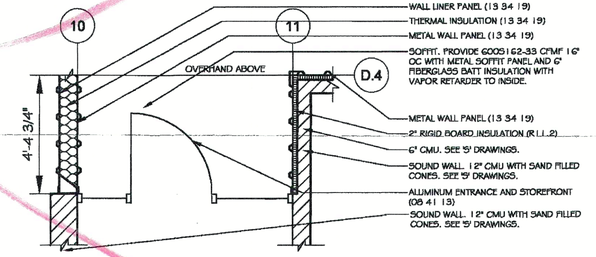
DETAIL E-AO201



DETAIL J-AO201

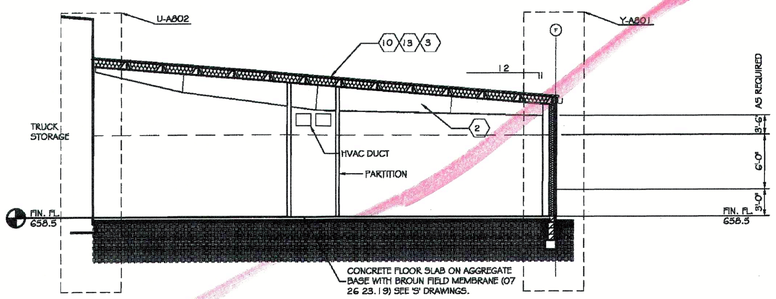


DETAIL O-AO201



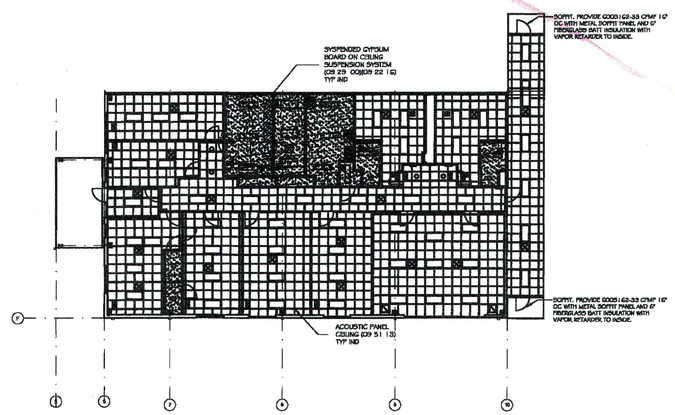
DETAIL K-AO201

FACILITY OFFICE FLOOR PLAN



DETAIL P-AO201

TRANSVERSE SECTION OFFICE BUILDING



DETAIL X-AO201

FACILITY OFFICE REFLECTED CEILING PLAN

CODED NOTES

- 02 M85 PRIMARY FRAME LEAN TO (13 34 19).
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VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 30D TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL 5-A501
RR SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 40" AFF.
EXIT SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 40" AFF.

GENERAL SHEET NOTES

1. PROVIDE M85 ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
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6. CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.
7. AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.
10. PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION
Responsible Design Inc
RDI

DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
6/2/2014
6/18/2014

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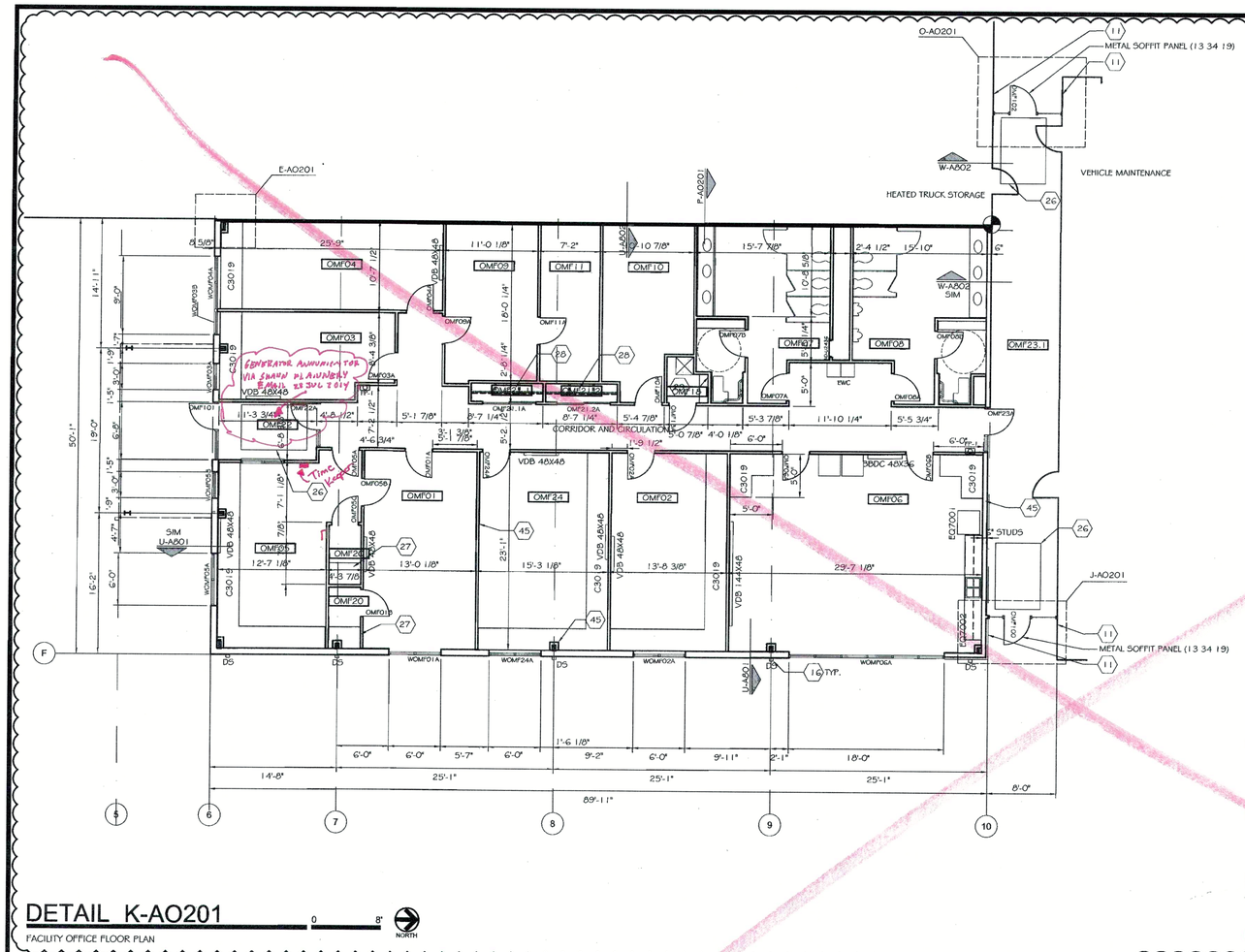
O-AO201
11
METAL SOFFIT PANEL (13 34 19)
E-AO201
W-A502
VEHICLE MAINTENANCE
HEATED TRUCK STORAGE
F-AO201
26
OMF04
OMF09
OMF11
OMF10
OMF23.1
OMF03
OMF01
OMF24
OMF02
OMF05
OMF06
OMF20
OMF19
OMF07
OMF08
OMF23A
OMF23B
OMF23.2A
OMF23.2B
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OMF23.1B
OMF03A
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CORRIDOR AND CIRCULATION
VDB 48X48
VDB 144X48
BBDC 48X36
C3019
E2700
SIM U-A801
SIM U-A502
J-AO201
METAL SOFFIT PANEL (13 34 19)
16 TYP.
WOMF01A
WOMF24A
WOMF02A
WOMF02A
WOMF03A
WOMF04A
WOMF05A
WOMF06A
WOMF07A
WOMF08A
WOMF09A
WOMF10A
WOMF11A
WOMF12A
WOMF13A
WOMF14A
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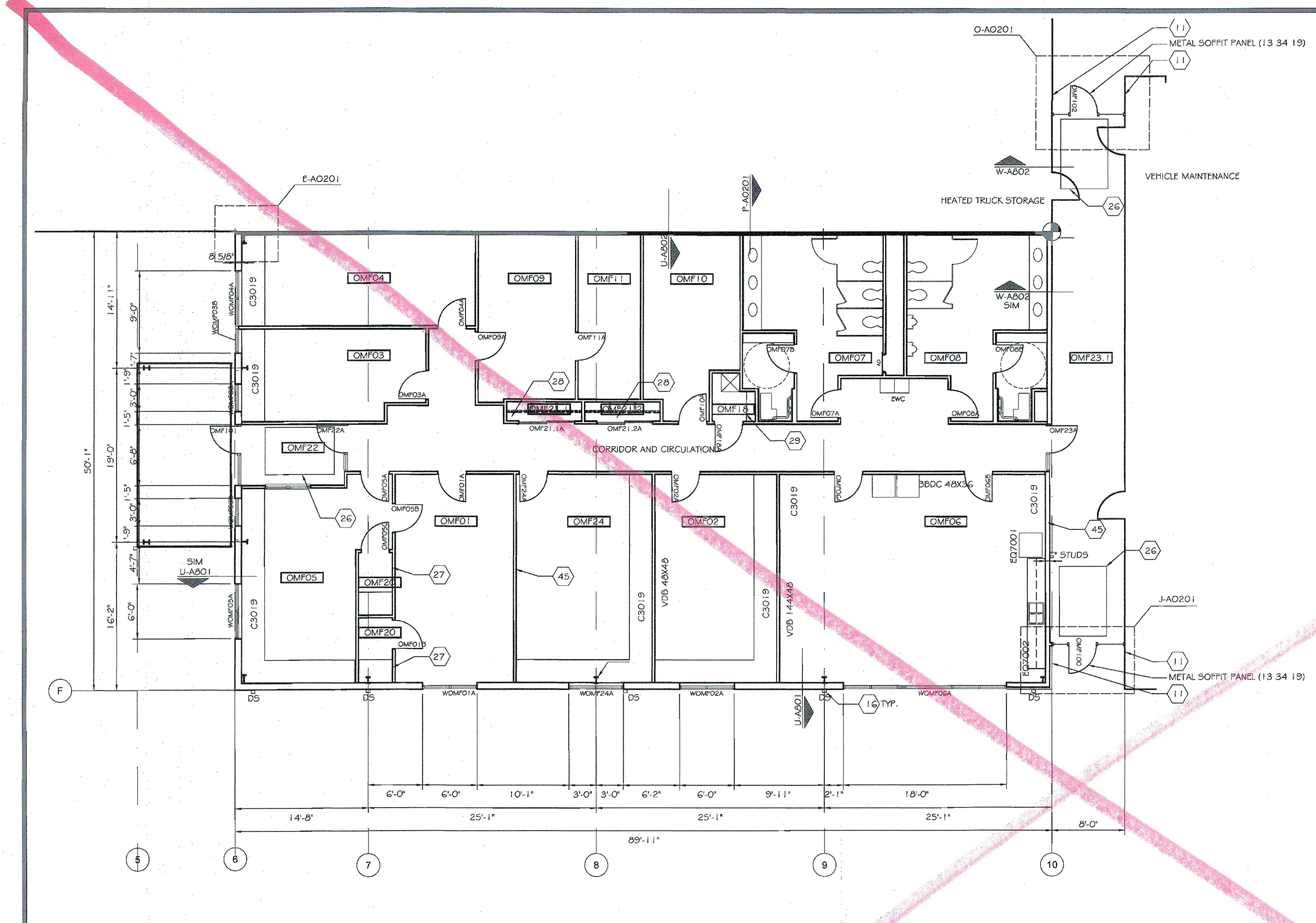
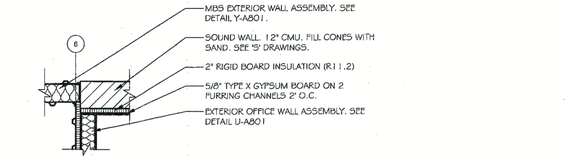
WOMF41A



DETAIL E-AO201



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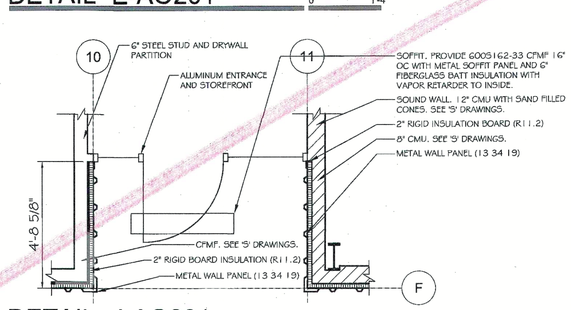
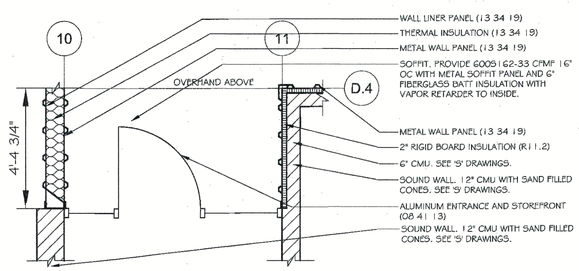


DETAIL O-AO201

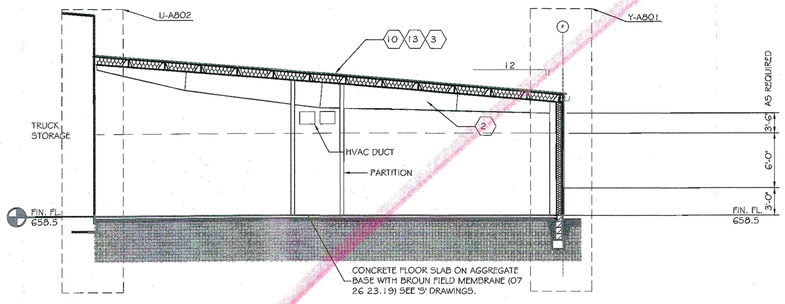


DETAIL K-AO201

0 8' NORTH

FACILITY OFFICE FLOOR PLAN

DETAIL P-AO201



0 8'

TRANSVERSE SECTION OFFICE BUILDING

CODED NOTES

- 02 MBS PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
- 16 4X5 MBS DOWNSPOUT. (13 34 19).
- 26 RECESSED FLOOR MAT, 5' X 7' (12 48 13)
- 27 WOOD SHELVING (06 20 23). (4) SHELVES 30" DEEP, 24", 42", 60", AND 78" AFF.
- 28 WOOD SHELVING AND CLOTHES ROD (06 20 23). CLOTHES ROD 57" AFF. (3) SHELVES 12" DEEP 60", 72", AND 84" AFF.
- 29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24", 36", 48", 60", AND 72" AFF.
- 45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA 16" OC FROM FLOOR BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION.
- 54 SOFFIT. PROVIDE 6005162-33 CFMF 16" OC WITH METAL SOFFIT PANEL AND 6" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER TO INSIDE.

DESIGNATIONS

VDB 144X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 144W X 48H (10 11 00)
VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 30D TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL 5-A501

GENERAL SHEET NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

3 SEE SHEETS A7201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.

4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Restaurant Design, Inc. RDI

STATE OF OHIO REGISTERED ARCHITECT THOMAS L. CONVERSE 6425

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

COPYRIGHT RDI

AO201

FACILITY OFFICE

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-008**
		Date of Issue:	August 13, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
Trench Drain and Vehicle Lift Pit Locations
As instructed August 8, 2014, and approved by ODOT,

In Vehicle Maintenance

Locate Vertical Lift
Location in width of Mechanics Bay:
Centered on Sectional Door
Location in length of Mechanics Bay:
Centered on length of bay, approximately:

From Entry Door	From End of Bay	Length of Bay
+/-10-feet-0-inches	+/-10-feet-0-inches	+/-50-feet

Locate Trench Drains
Location in width of Mechanics Bay
Centered on Sectional Door
Location in length of Mechanics Bay:

	From Door	Drop to Drain
Athens	5'-0" centerline	3-inches (6%)

Attachments:

Issued by

Renouveau Design, Inc. — Thomas I. Converse — August 13, 2014 Date

13304 ARCHITECT'S SUPPLEMENTAL INSTRUCTION ASI - 1

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-018**
		Date of Issue:	September 10, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Sealant at Vehicle Maintenance Partition

Add to Coded Note 33 the following:
"... PROVIDE JS-1 (07 92 00) BETWEEN 2X6 BOTTOM SILL AND CONCRETE FLOOR."

Attachments:

Issued by

Renouveau Design, Inc. — Thomas I. Converse — September 10, 2014 Date

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 050

REQUEST FOR INFORMATION

TO:	RDI	**DATE:**	25-Aug-14
ATTN:	Tom Converse	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	412323
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Vertical Lift Section 1.2.C - Shop Drawings Requirement		

Please see attached confirming RFI.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 29-Aug-14

DISTRIBUTION: File, Field, Steve McClarren

REPLY (RETURN THIS SHEET WITH REPLY):

8/27/2014 - 41 23 23 1.2 C ADDRESSES THE DESIGN AND SUPPORT OF RUNWAY BEAMS, WHICH ARE RESPONSIBILITY OF CRANE SUPPLIER. COMPLIANCE IS REQUIRED BY OBC AND NECESSARY FOR COORDINATION WITH STRUCTURAL ELEMENTS DESIGNED BY OTHERS. SPECIFICALLY, WHERE AND HOW ARE RUNWAY BEAMS CONNECTED TO BUILDING MAIN FRAMES AND STABILIZED BY SWAY BRACING. COORDINATE WITH PROJECT STRUCTURAL ENGINEER (JEZERINAC GEARS) AND METAL BUILDING SYSTEMS MANUFACTURER.

DATE OF REPLY: AUGUST 27, 2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 067

REQUEST FOR INFORMATION

TO:	RDI	**DATE:**	30-Sep-14
ATTN:	Tom Converse	**PAGE:**	1 of 2
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Hose Reel Banks Mounting Method		

Please see attached RFI from our Plumbing subcontractor.

Question:

REF: Hose Reel Banks Mounting Method

Each reel bank is 500 pounds, and since there is no detail as to mounting, we were envisioning hanging with the approved sammie screws and unistrut from the purlins. Is this acceptable? If not please provide a detail or recommendation.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 3-Oct-14

DISTRIBUTION: File, Greg Topp

REPLY (RETURN THIS SHEET WITH REPLY):

10/1/2014 - SUPPORT LUBRICATION AND SERVICE SYSTEM REELS BY EQUIPMENT SUPPORT (05 50 00) FROM MBS BEAMS LOCATED BETWEEN PURLINS IN VEHICLE MAINTENANCE AT LOCATIONS REQUESTED BY QUALITY 1. EQUIPMENT SUPPORT DETAIL REFERS TO SUPPORT BY PURLINS, BUT MBS MANUFACTURER DETERMINED THEY MUST BE SUPPORTED BY BEAMS SPANNING FROM FRAME TO FRAME. PROVIDE EQUIPMENT SUPPORT WITH CROSS BRACING IN BOTH DIRECTIONS.

DATE OF REPLY: 10/1/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-007**
		Date of Issue:	August 12, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Vehicle Maintenance and Truck Storage Plumbing Fixture Locations

Change Sheet AV201 Revised 7/23/2014 to AV201 Revised 8/12/2014
Added dimensions for EWC-2, WF-1, MSB-1, and ES/EEW.
Change Sheet AT201 Revised 6/25/2014 to AT201 Revised 8/12/2014
Added dimensions for ES/EEW, MSB-1, SINK-2, and WF-1.

Attachments:

Issued by

Renouveau Design, Inc. — Thomas I. Converse — August 12, 2014 Date

13304 ARCHITECT'S SUPPLEMENTAL INSTRUCTION ASI - 1

BULLETIN

Project:	DOT-130006 **ATHENS FULL SERVICE MAINTENANCE FACILITY**	Bulletin No.:	**002**
		Date of Issue:	July 30, 2014
Owner:	Ohio Department of Transportation	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker	Contract For:	Design-Build Contract
Contract Dated:		Architects' Project No.:	13301

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

VM Services Coordination

Change Sheet AV201 Revised July 22, 2014 to Sheet AV201 Revised July 23, 2014
Detail K-AV201 - Located Service Support Columns.
Relocated EQ7020 Grinder.
Relocated EQ7023 Wall Storage Rack.
Added Welding Bench (shown HV201).
Added Exhaust Reel (shown HV201).

Attachments:
Sheet AV201 Revised July 23, 2014
Sheet PV201 Revised June 24, 2014
Sheet HV201 Revised June, 24, 2014
Sheet E501 Revised June 24, 2014
Sheet EV201 Revised June 24, 2014

Submitted

Renouveau Design, Inc. — Joseph A. Ebert — July 30, 2014 Date

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 026

REQUEST FOR INFORMATION

TO:	RDI Architects	**DATE:**	30-Jul-14
ATTN:	Tom Converse	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	AV201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Service Support Column		

Please confirm exact location for the service support column. Please reference to sheet AV201, coded note 25.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 1-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

SEE AV201 REVISED 7/23/2014.
LOCATE SERVICE SUPPORT COLUMN 7-1/2-INCHES FROM LINE 13.

DATE OF REPLY: JULY 30, 2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-002**
		Date of Issue:	July 26, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
Vehicle Maintenance Clear Wall Area

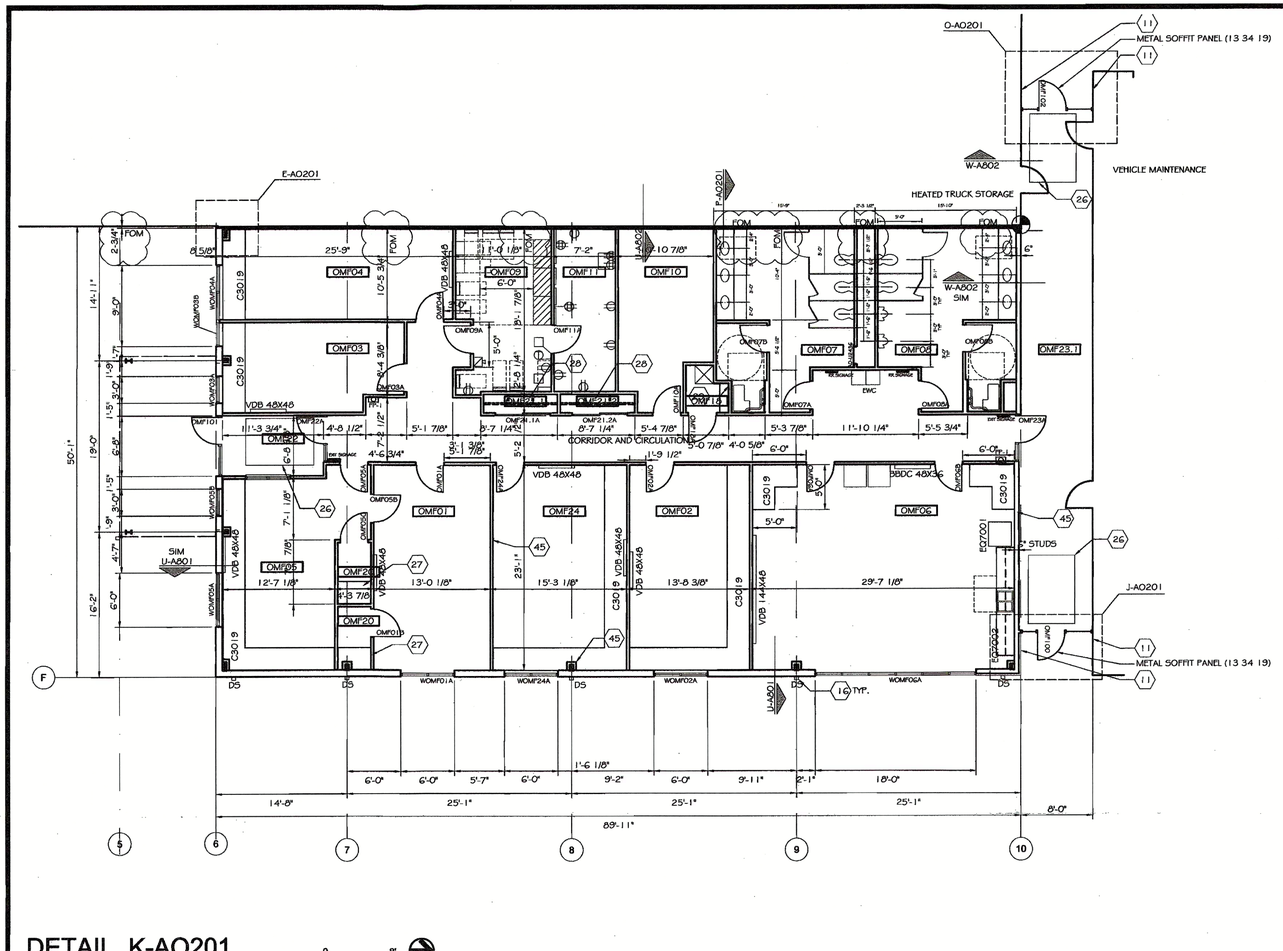
In Vehicle Maintenance, group building services to maximize unobstructed free wall area.
ODOT wants useable areas of unobstructed wall to mount tools and equipment.

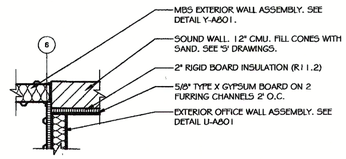
Attachments:

Issued by

Renouveau Design, Inc. — Thomas I. Converse — July 26, 2014 Date

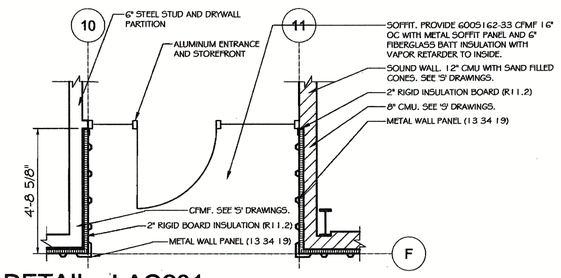
13304 ARCHITECT'S SUPPLEMENTAL INSTRUCTION ASI - 1





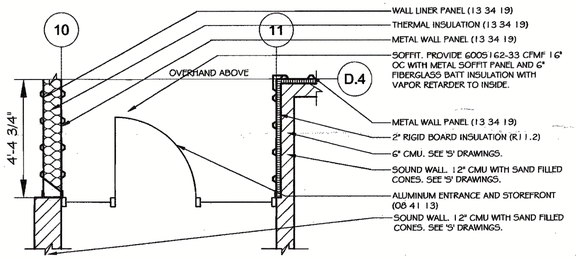
DETAIL E-AO201

0 1'-4"



DETAIL J-AO201

0 1'-4"



DETAIL O-AO201

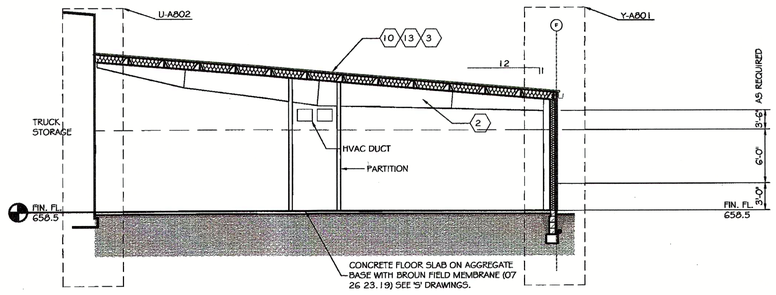
0 1'-4"

DETAIL K-AO201

0 8'

NORTH

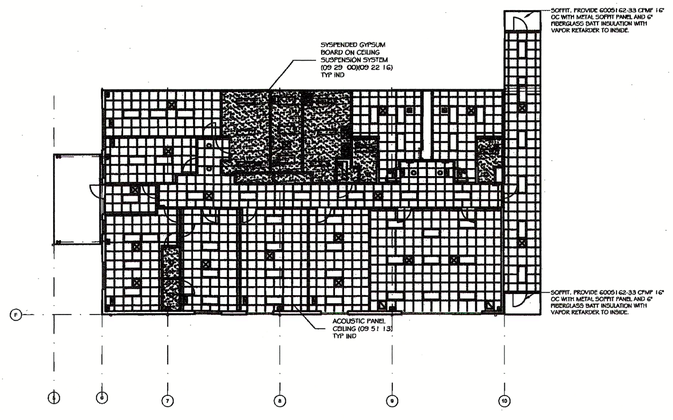
FACILITY OFFICE FLOOR PLAN



DETAIL P-AO201

0 8'

TRANSVERSE SECTION OFFICE BUILDING



DETAIL X-AO201

0 16'

FACILITY OFFICE REFLECTED CEILING PLAN

CODED NOTES

- 02 MBS PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
- 13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
- 16 4X5 MBS DOWNSPOUT. (13 34 19).
- 26 RECESSED FLOOR MAT, 5' X 7' (12 48 13)
- 27 WOOD SHELVING (06 20 23). (4) SHELVES 30" DEEP, 24', 42", 60", AND 78" AFF.
- 28 WOOD SHELVING AND CLOTHES ROD (06 20 23). CLOTHES ROD 57" AFF. (3) SHELVES 12" DEEP 60", 72", AND 84" AFF.
- 29 WOOD SHELVING (06 20 23). (5) SHELVES 12" DEEP, 24', 36", 48", 60", AND 72" AFF.
- 45 UNRATED STEEL STUD AND DRYWALL PARTITION. 3-5/8" STEEL STUDS (UNLESS DEPTH NOTED OTHERWISE) 20 GA 16" OC FROM BELOW TO UNDERSIDE OF ROOF PURLIN ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES AND ACOUSTIC BATT INSULATION. PROVIDE SLIP-TYPE HEAD JOINT.
- 54 SOFFIT. PROVIDE 600S162-33 CFMF 16" OC WITH METAL SOFFIT PANEL AND 6" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER TO INSIDE.

DESIGNATIONS

VDB 144X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 144W X 48H (10 11 00)
VDB 48X48	VISUAL DISPLAY BOARD - PORCELAIN ENAMEL FACED MARKERBOARD 48W X 48H (10 11 00)
BBDC 48X36	DISPLAY CASE ALUMINUM WITH GLAZED HINGED DOORS, CORK TACKBOARD BACK PANEL 36W X 48H (10 12 00)
C3019	SOLID SURFACE COUNTER 30D TYP IN OFFICE AND BREAKROOM (12 36 61) SEE DETAIL 5-A501
RR SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.
EXIT SIGNAGE	ACCESSIBLE SIGNAGE WITH BOTTOM EDGE MOUNTED AT 60" AFF.

GENERAL SHEET NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

3 SEE SHEETS AT201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.

4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

7 AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.

10 PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 15, 2014
JULY 30, 2014
AUGUST 1 2014

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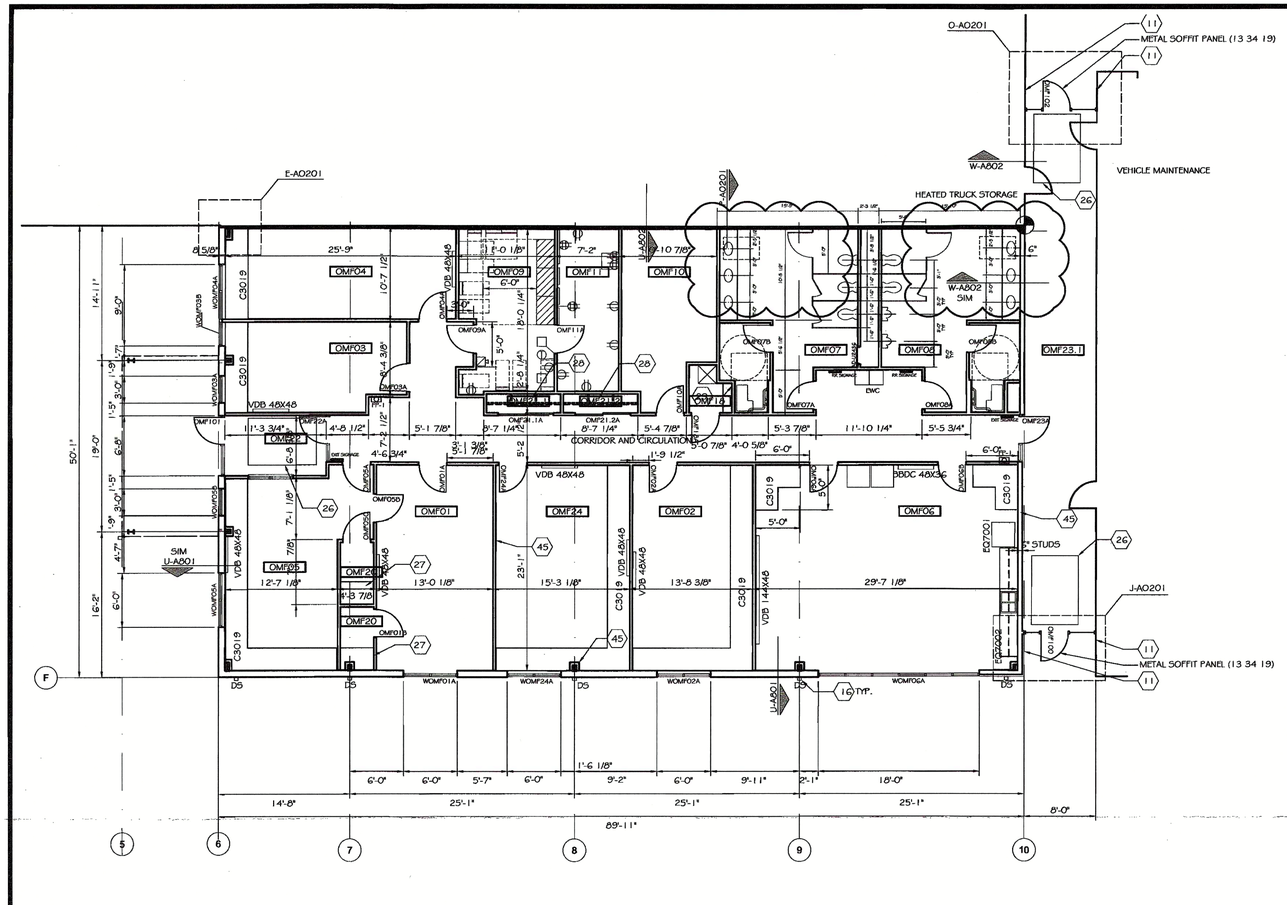
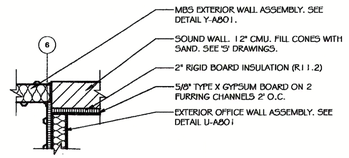
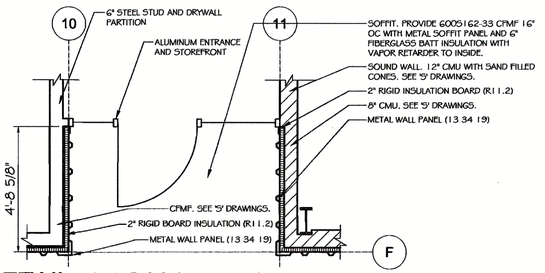
AO201

FACILITY OFFICE

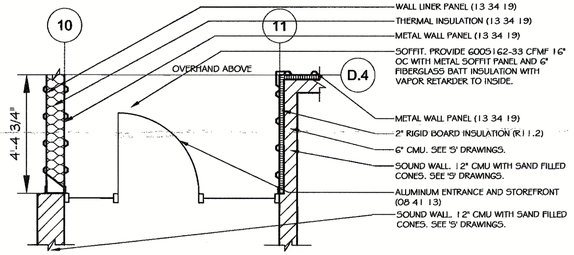




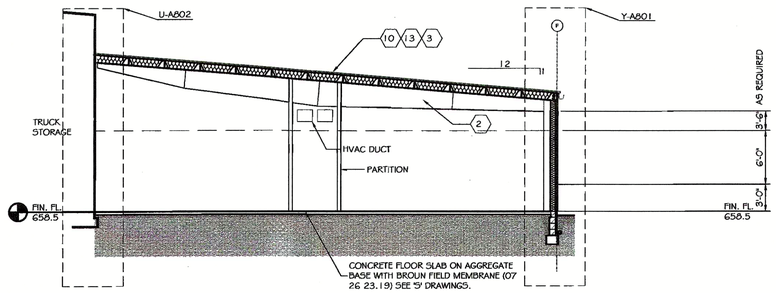
DETAIL E-AO201



DETAIL J-AO201



DETAIL O-AO201

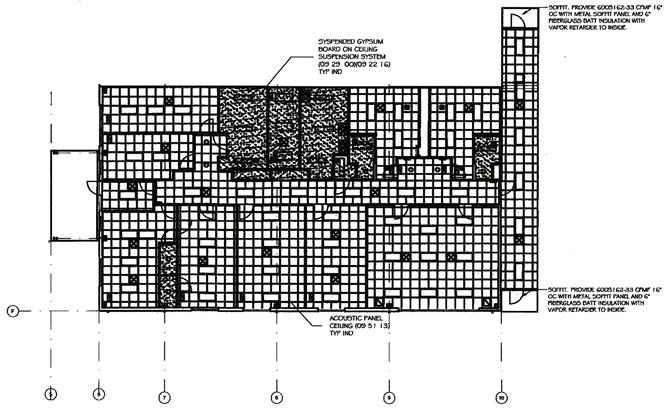


DETAIL P-AO201

TRANSVERSE SECTION OFFICE BUILDING

DETAIL K-AO201

FACILITY OFFICE FLOOR PLAN



DETAIL X-AO201

FACILITY OFFICE REFLECTED CEILING PLAN

CODED NOTES

- 02 MBS PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
- 11 TAPERED-RIB-PROFILE, EXPOSED-FASTENER METAL WALL PANEL (13 34 19).
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GENERAL SHEET NOTES

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6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

7 AT STEEL STUD AND GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS AT GRID LINES, LATCH SIDE OF DOORS, AND BOTH SIDES OF WINDOWS.

10 PROVIDE HORIZONTAL LOUVER BLINDS AT ALL EXTERIOR WINDOWS (12 21 13).

THOMAS & MARKER CONSTRUCTION
Renaissance Design, Inc.
RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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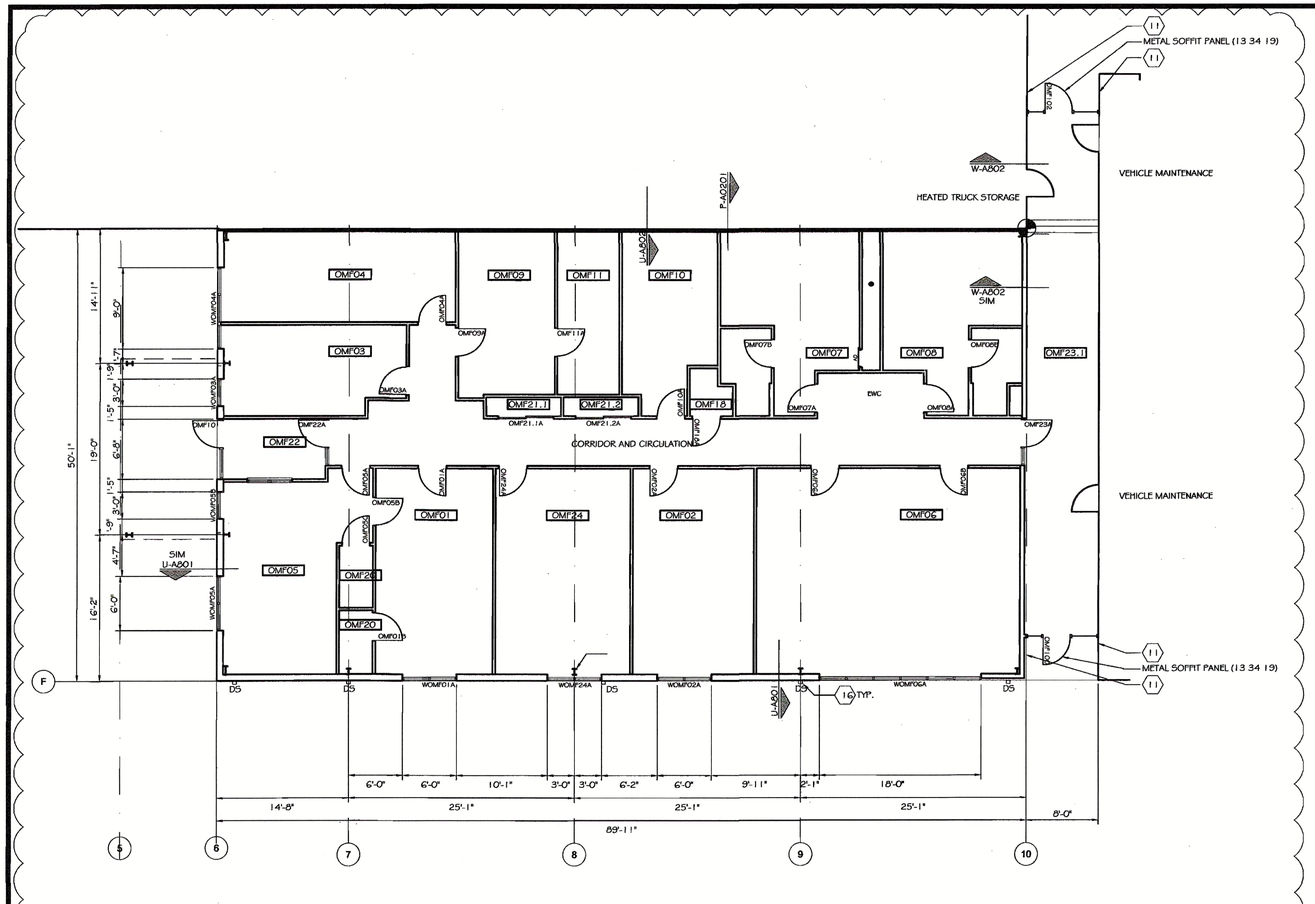
AO201

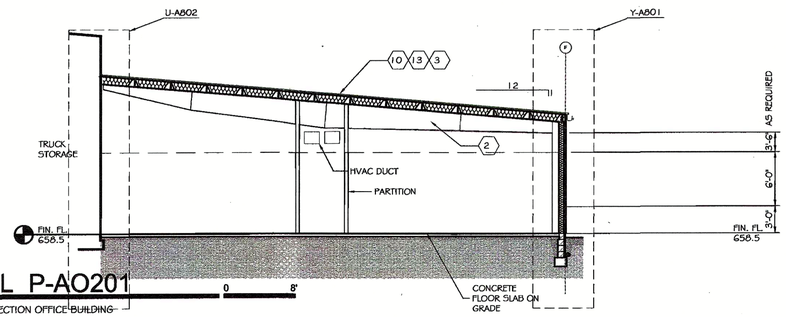
FACILITY OFFICE



DETAIL K-AO201

0 8' NORTH

FACILITY OFFICE FLOOR PLAN



DETAIL P-AO201

0 8'

TRANSVERSE SECTION OFFICE BUILDING

CODED NOTES

- 02 MBS PRIMARY FRAME LEAN TO (13 34 19).
- 03 PURLIN (13 34 19).
- 09 RIGID PORTAL FRAME (13 34 19).
- 10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
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- 16 4X5 MBS DOWNSPOUT. (13 34 19).

GENERAL SHEET NOTES

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3. SEE SHEETS AT201, AV201, AND AO201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

THOMAS & MARKER CONSTRUCTION

RDI Resource Design, Inc.

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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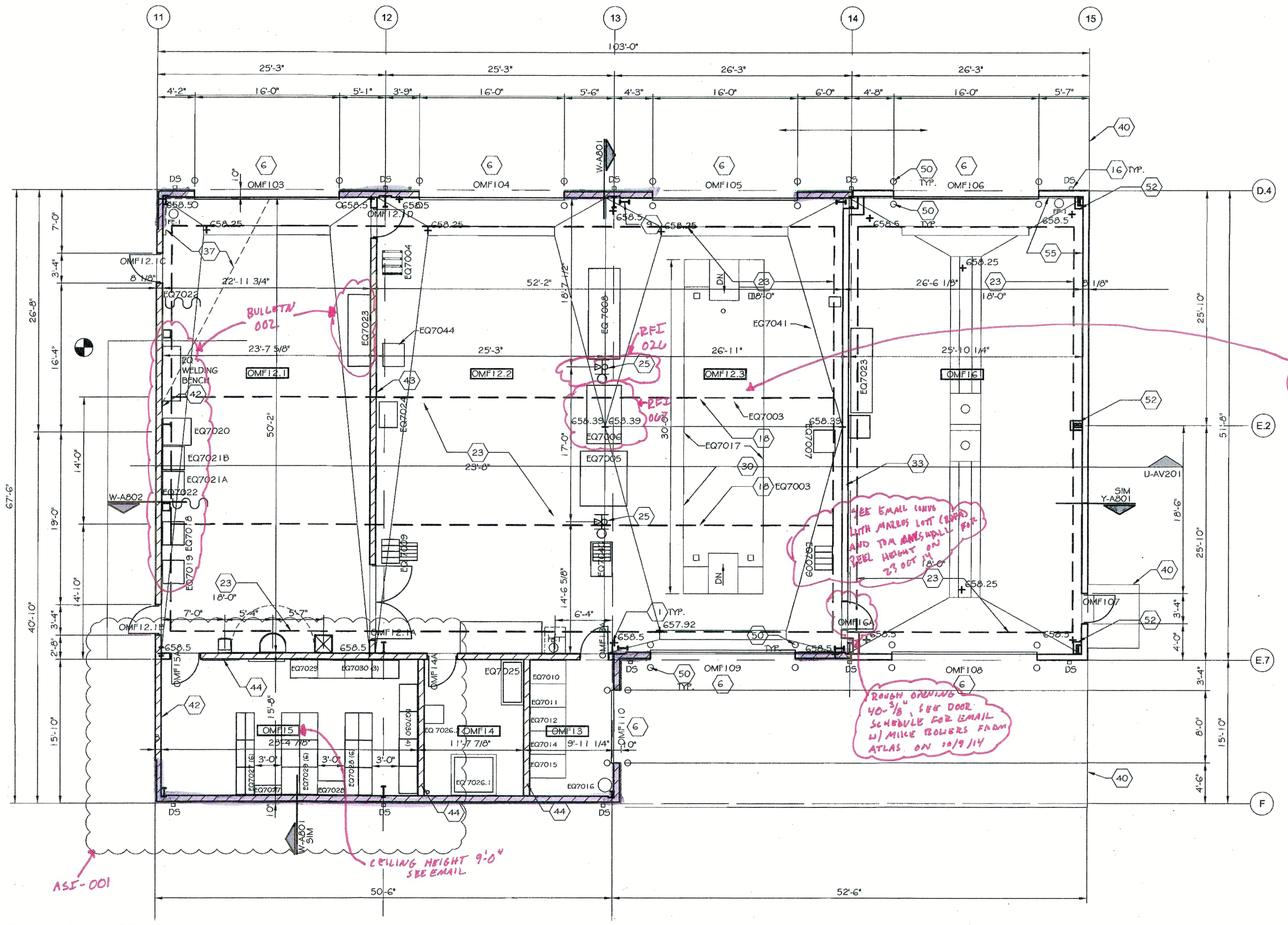
AO201

FACILITY OFFICE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OMF10.5
OMF10.6
OMF12.1C
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OMF1B
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OMF12.1B
OMF12.1A
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OMF14
OMF13
OMF10.7
OMF10.9
OMF10.8
W-A502
W-A501
X-AV201
U-AV201
Y-A501
D.4
E.2
E.7
F
WELDING BENCH
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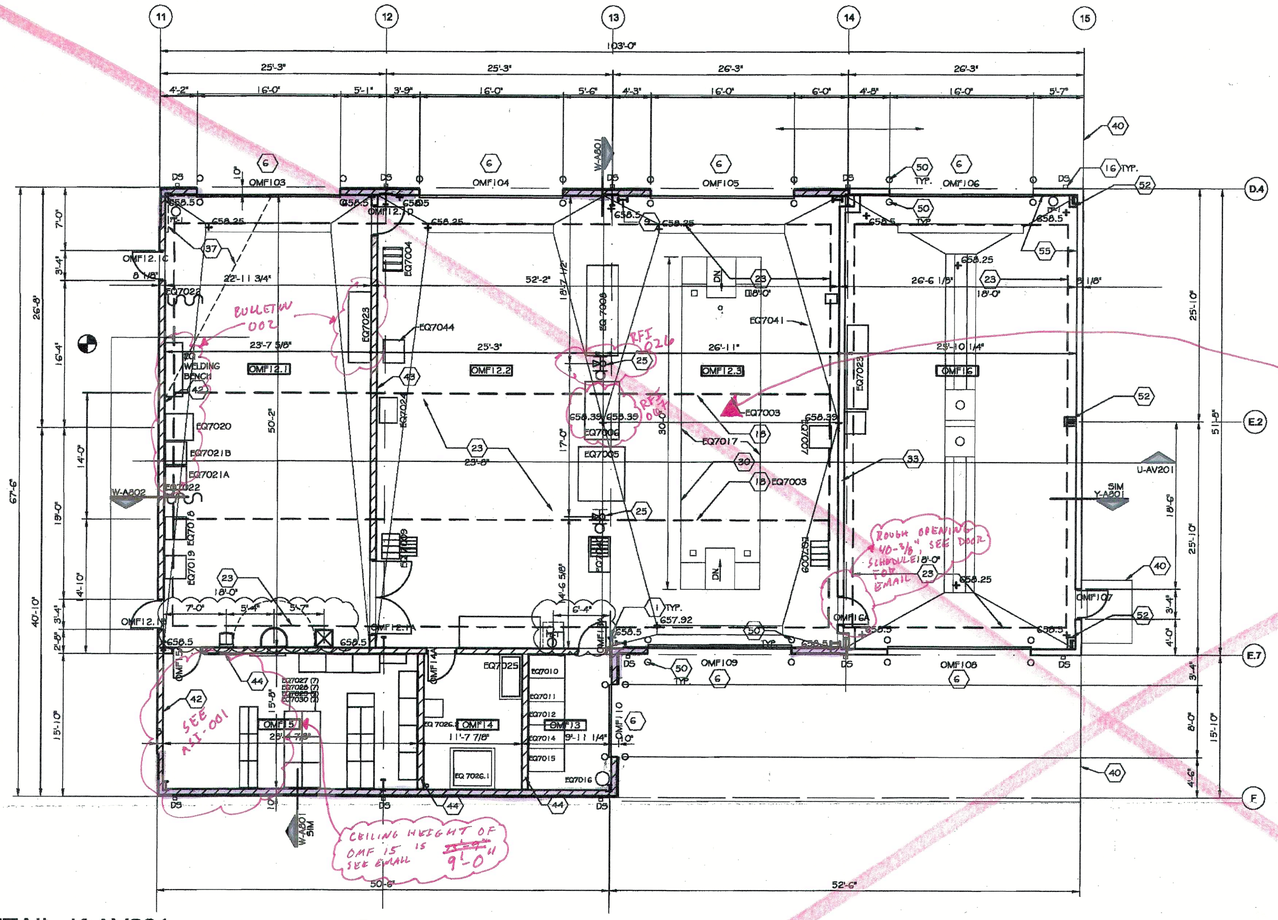
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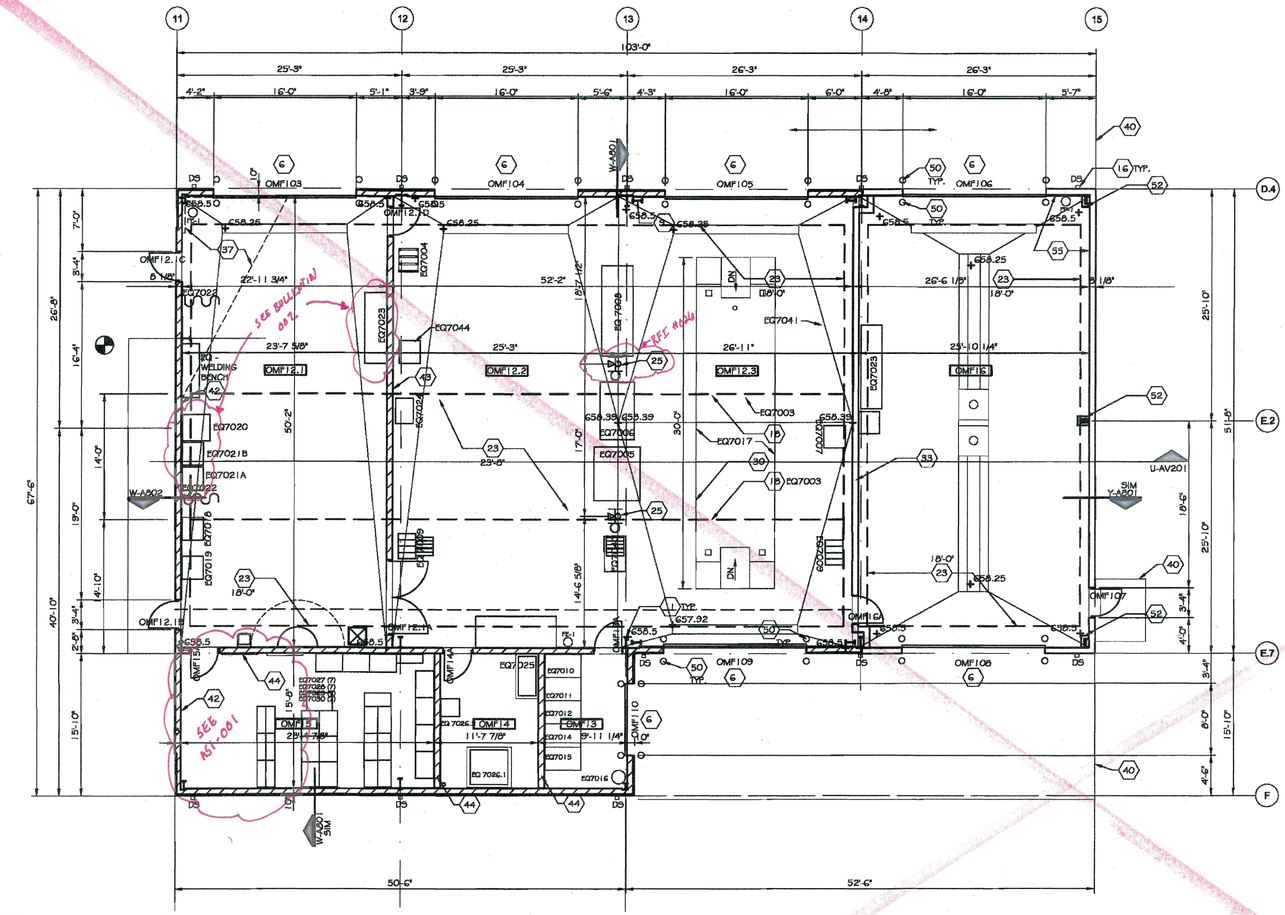
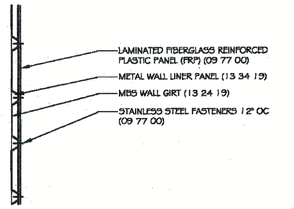


DETAIL K-AV201

VEHICLE MAINTENANCE FLOOR PLAN



DETAIL E-AV201

FRP PANEL ON METAL WALL LINER PANEL

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

06 10" OPENING FRAMING (13 34 19).

07 8" OPENING FRAMING (13 34 19).

09 RIGID PORTAL FRAME (13 34 19).

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).

13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

16 4X5 MBS DOWNSPOUT. (13 34 19).

17 SNOW GUARD (13 34 19).

18 BRIDGE CRANE RUNWAY BEAM (41 22 13).

19 SINGLE GIRDER UNDERHUNG BRIDGE CRANE WITH RUNWAY BEAMS AND RUNWAY BEAM SUPPORTING STRUCTURAL STEEL TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 3 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
BRIDGE GIRDER SPAN: 14'-0"
MAXIMUM DIMENSIONS: 4'-8"H X 16'-0"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

23 MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

25 SERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GGSERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GG.

30 RECESSED LIFT PIT. SEE 'S' DRAWINGS. COORDINATE DIMENSIONS WITH VERTICAL LIFT.

33 UNRATED CFMF PARTITION. 600S162-97 CFMF 16" OC ON (2) 2X6 GROUND CONTACT PRESERVATIVE TREATED WOOD BOTTOM PLATE WITH FRP PANELS TO OMF16 SIDE AND MBS METAL WALL LINER PANELS TO OMF12.3 SIDE. (09 77 00)(13 34 19).

37 EXTENT OF BROUNFIELD MEMBRANE (07 26 23.19). SEE 'S' DRAWINGS.

34 SUSPENDED FRP CEILING. LAMINATED FIBERGLASS REINFORCED PANEL ON CEILING SUSPENSION SYSTEM WITH PANEL SUPPORTS 12" OC. (09 77 00)(09 29 00).

39 DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW OF UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

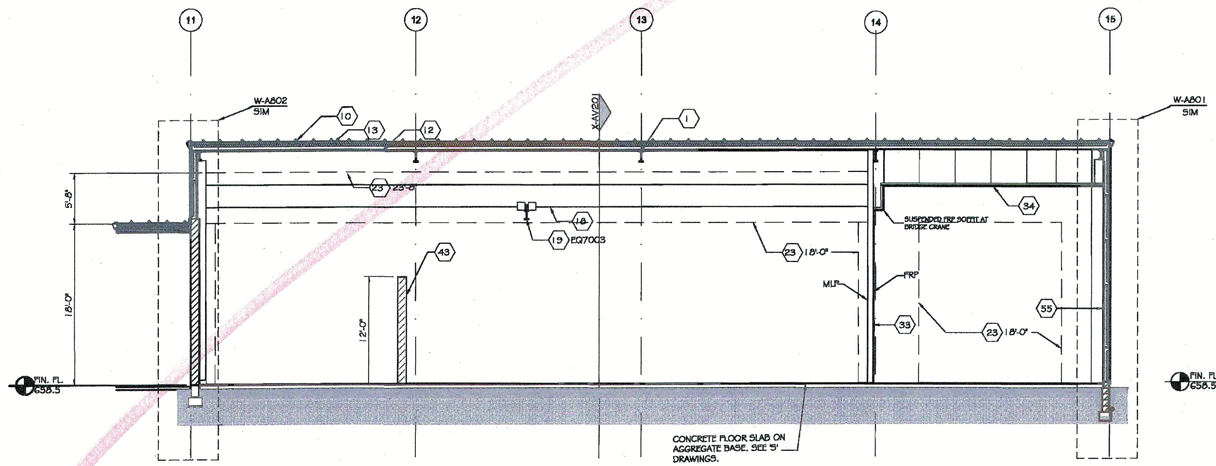
43 UNRATED 12" CMU PARTITION TO 12'-0" AFF. 12" CMU WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

44 UNRATED 8" CMU PARTITION. 8" CMU FROM FLOOR BELOW TO UNDERSIDE OF PURLINS ABOVE WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

52 FRP COLUMN COVER. COVER MBS MAIN FRAME AND END WALL COLUMNS WITH FRP PANELS ON 3-5/8" STEEL STUDS 12" OC SUPPORTED FROM FRAME 5' OC. (09 77 00)(09 22 16)

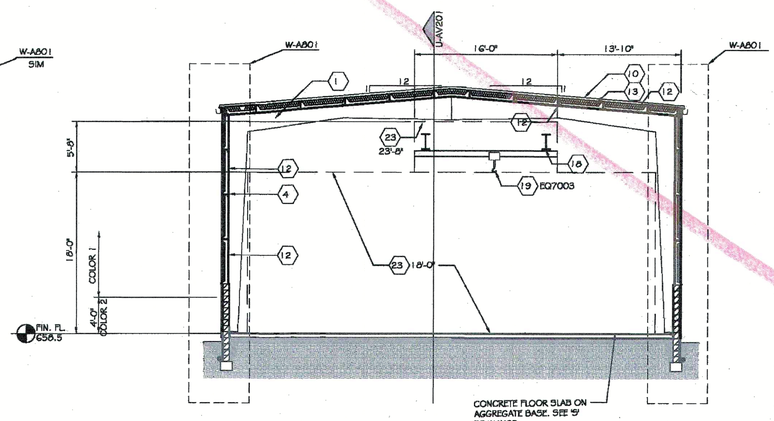
55 FRP ON METAL LINER PANEL. SEE DETAIL E-AV201.



DETAIL U-AV201

LONGITUDIONAL BUILDING SECTION VEHICLE MAINTENANCE BUILDING

For Bollards See RFI 10



DETAIL X-AV201

TRANSVERSE BUILDING SECTION VEHICLE MAINTENANCE BUILDING

GENERAL SHEET NOTES

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4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

8 AT MASONRY ABOVE GRADE, PROVIDE CONTROL JOINTS AT GRID LINES AND AT END ON LINTEL ON LATCH SIDE OF SINGLE LEAF DOOR OPENINGS, AND BOTH SIDES OF OPENINGS WIDER THAN 4'

9 PROVIDE EQUIPMENT SUPPORT (05 50 00) FOR VEHICLE EXHAUST REELS AND LUBE AND SERVICE REELS ATTACHED TO ROOF STRUCTURE ABOVE. SEE DETAIL (05 50 00).

THOMAS & MARKER CONSTRUCTION

Richmond Design Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
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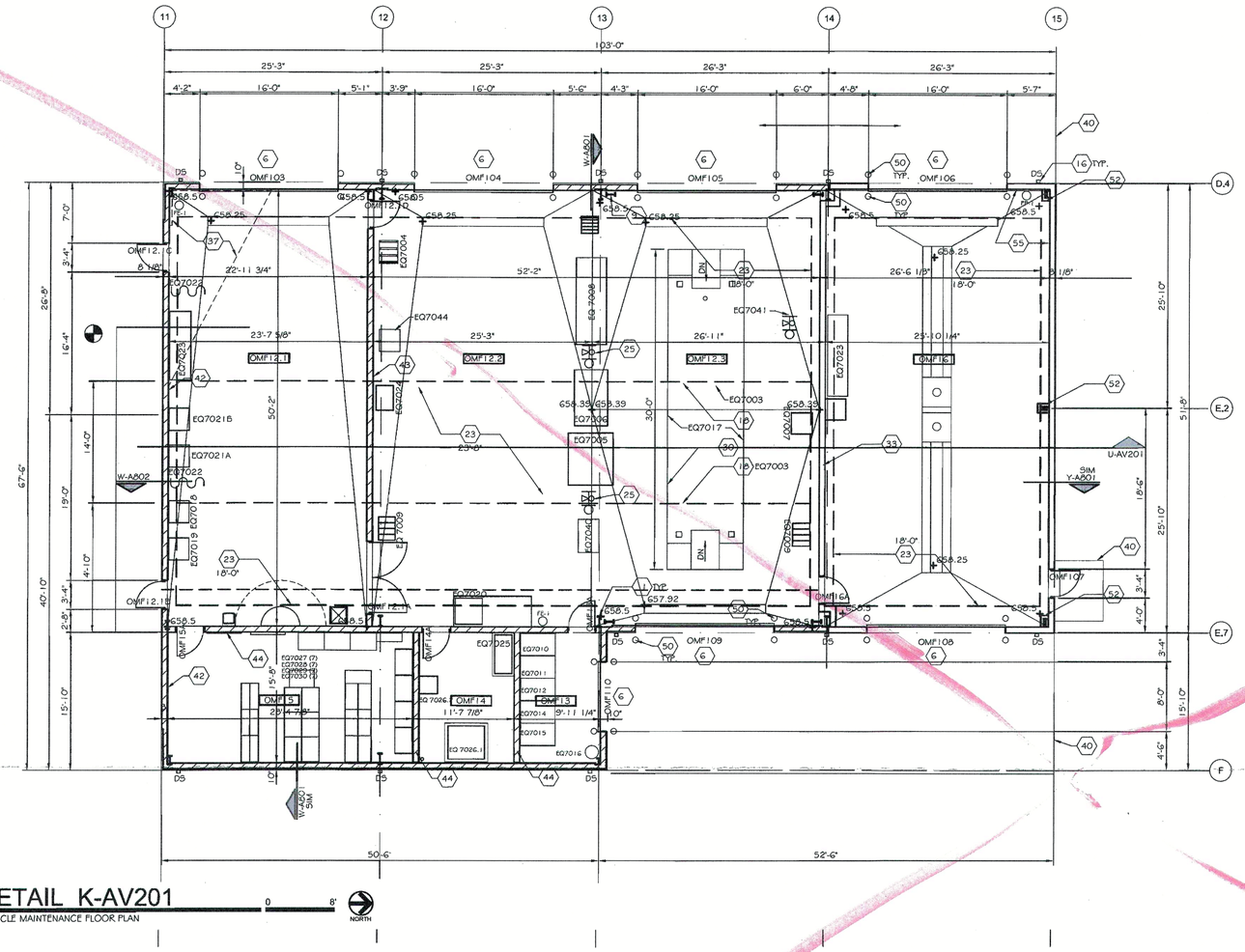
AV201

VEHICLE MAINTENANCE


11
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103'-0"
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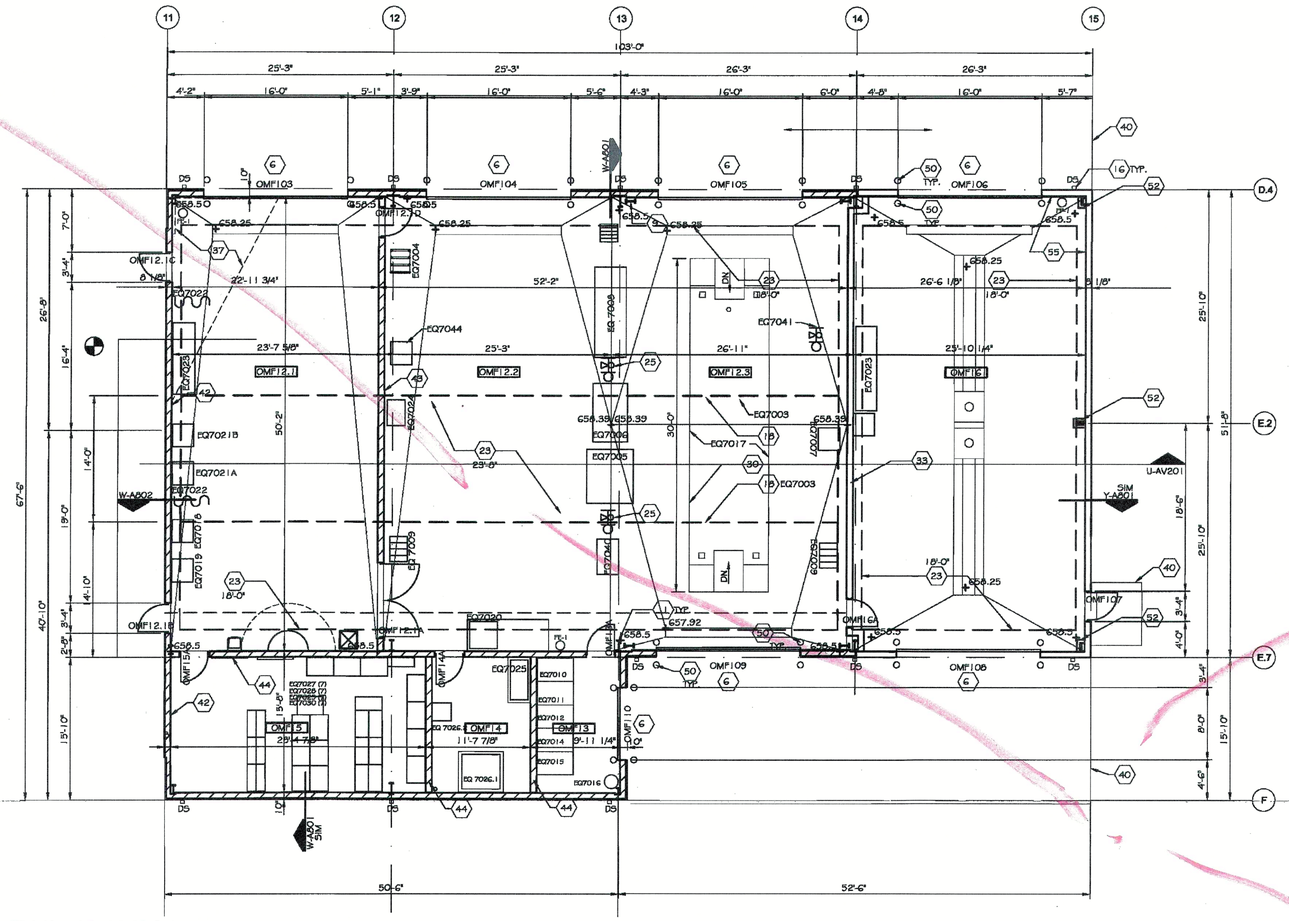
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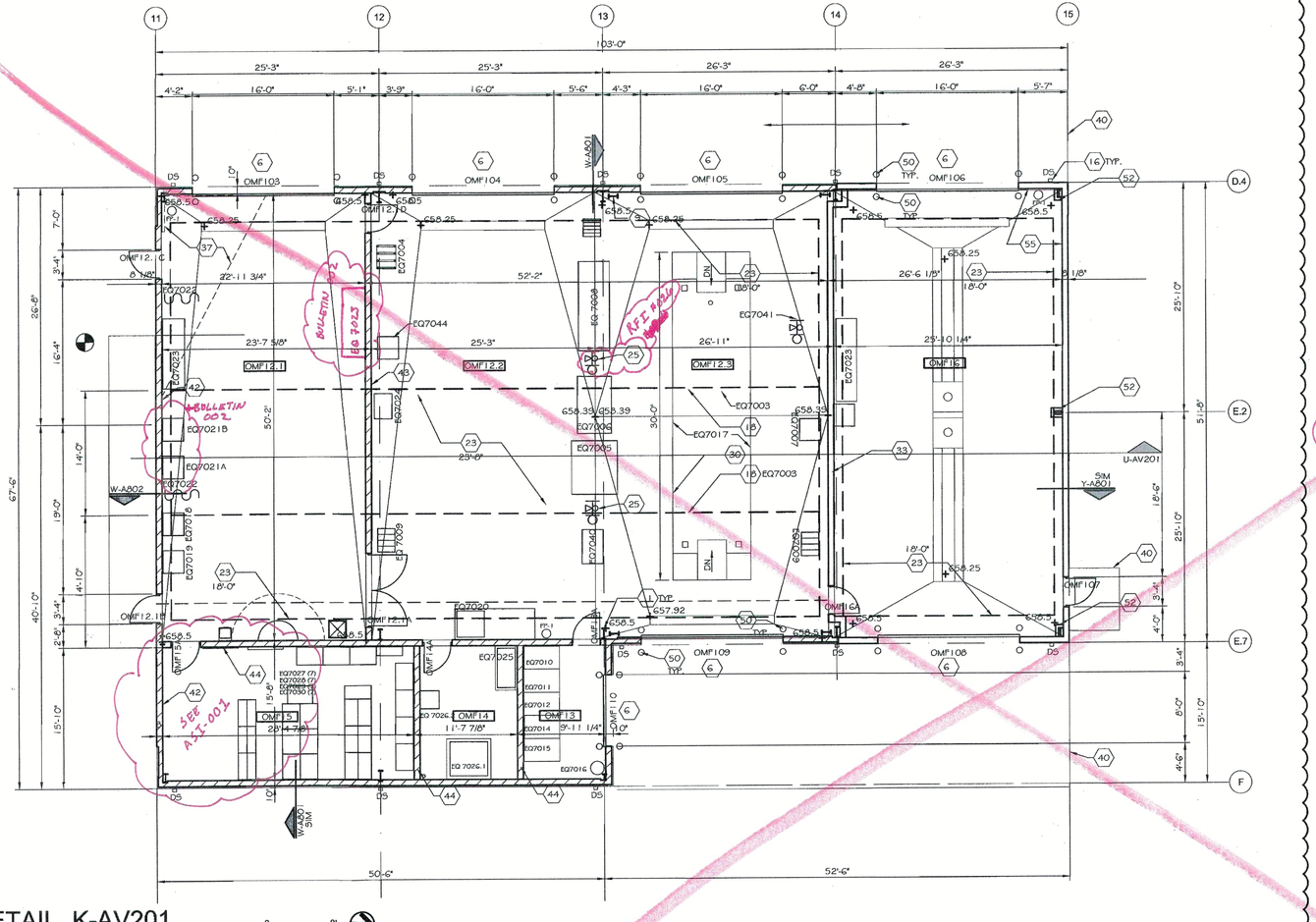
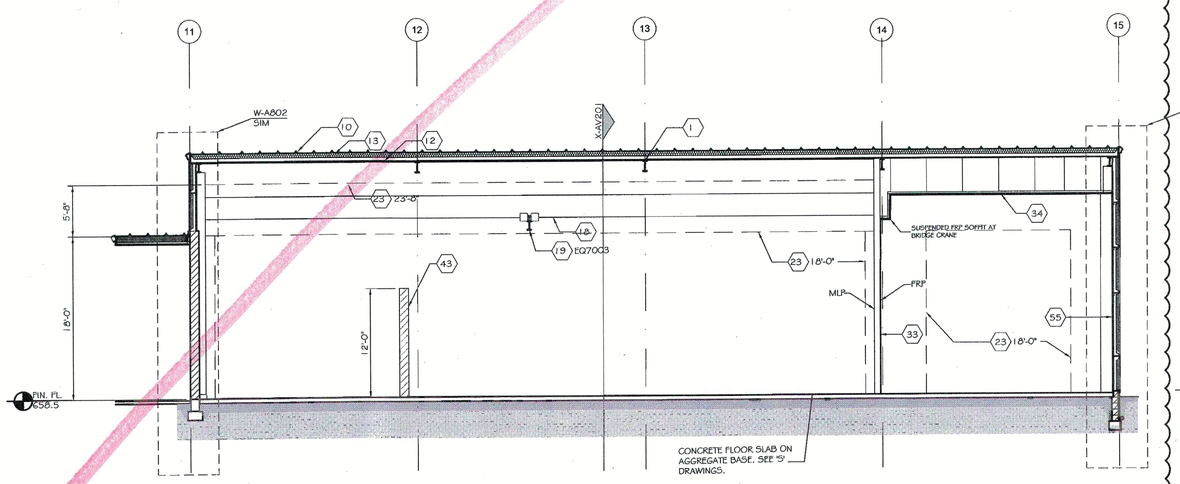


DETAIL K-AV201

VEHICLE MAINTENANCE FLOOR PLAN

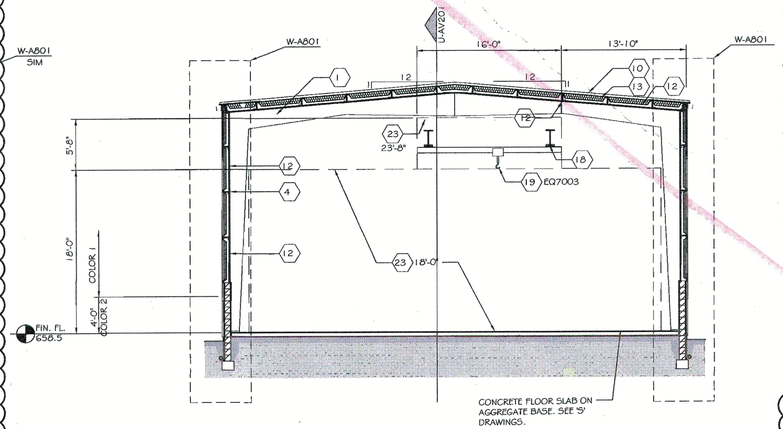
0 8' NORTH



DETAIL U-AV201

LONGITUDIONAL BUILDING SECTION VEHICLE MAINTENANCE BUILDING

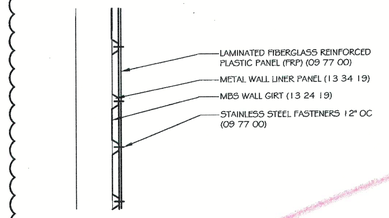
0 8'



DETAIL X-AV201

TRANSVERSE BUILDING SECTION VEHICLE MAINTENANCE BUILDING

0 8'



DETAIL E-AV201

FRP PANEL ON METAL WALL LINER PANEL

0 1'-4"

SEE ASI-002

For Bollards, See RFI 10.

CODED NOTES

01 MB5 PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

06 10" OPENING FRAMING (13 34 19).

07 8" OPENING FRAMING (13 34 19).

09 RIGID PORTAL FRAME (13 34 19).

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).

13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

16 4X5 MB5 DOWNSPOUT. (13 34 19).

17 SNOW GUARD (13 34 19).

18 BRIDGE CRANE RUNWAY BEAM (41 22 13).

19 SINGLE GIRDER UNDERHUNG BRIDGE CRANE WITH RUNWAY BEAMS AND RUNWAY BEAM SUPPORTING STRUCTURAL STEEL TO MB5 RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 3 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
BRIDGE GIRDER SPAN: 14'-0"
MAXIMUM DIMENSIONS: 4'-8"H X 16'-0"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MB5 RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

23 MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

25 SERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W6X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GG.SERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GG.

30 RECESSED LIFT PIT. SEE 'S' DRAWINGS. COORDINATE DIMENSIONS WITH VERTICAL LIFT.

33 UNRATED CFMF PARTITION, 6005162-97 CFMF 16" OC ON (2) 2X6 GROUND CONTACT PRESERVATIVE TREATED WOOD BOTTOM PLATE WITH FRP PANELS TO OMF16 SIDE AND MB5 METAL WALL LINER PANELS TO OMF12.3 SIDE. (09 77 00)(13 34 19).

37 EXTENT OF BROUNFIELD MEMBRANE (07 26 23.19). SEE 'S' DRAWINGS.

34 SUSPENDED FRP CEILING. LAMINATED FIBERGLASS REINFORCED PANEL ON CEILING SUSPENSION SYSTEM WITH PANEL SUPPORTS 12" OC. (09 77 00)(09 29 00).

39 DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW OF UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

43 UNRATED 12" CMU PARTITION TO 12'-0" AFF. 12" CMU WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

44 UNRATED 8" CMU PARTITION. 8" CMU FROM FLOOR BELOW TO UNDERSIDE OF PURLINS ABOVE WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

52 FRP COLUMN COVER. COVER MB5 MAIN FRAME AND END WALL COLUMNS WITH FRP PANELS ON 3-5/8" STEEL STUDS 12" OC SUPPORTED FROM FRAME 5' OC. (09 77 00)(09 22 16)

55 FRP ON METAL LINER PANEL. SEE DETAIL E-AV201.

GENERAL SHEET NOTES

1 PROVIDE MB5 ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MB5 WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SILLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

3 SEE SHEETS AT201, AV201, AND A0201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.

4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

8 AT MASONRY ABOVE GRADE, PROVIDE CONTROL JOINTS AT GRID LINES AND AT END ON LINTEL ON LATCH SIDE OF SINGLE LEAF DOOR OPENINGS, AND BOTH SIDES OF OPENINGS WIDER THAN 4'

9 PROVIDE EQUIPMENT SUPPORT (05 50 00) FOR VEHICLE EXHAUST REELS AND LUBE AND SERVICE REELS ATTACHED TO ROOF STRUCTURE ABOVE. SEE DETAIL (05 50 00).

THOMAS & MARKER CONSTRUCTION

Resource Design Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
REVISED 6/2/2014

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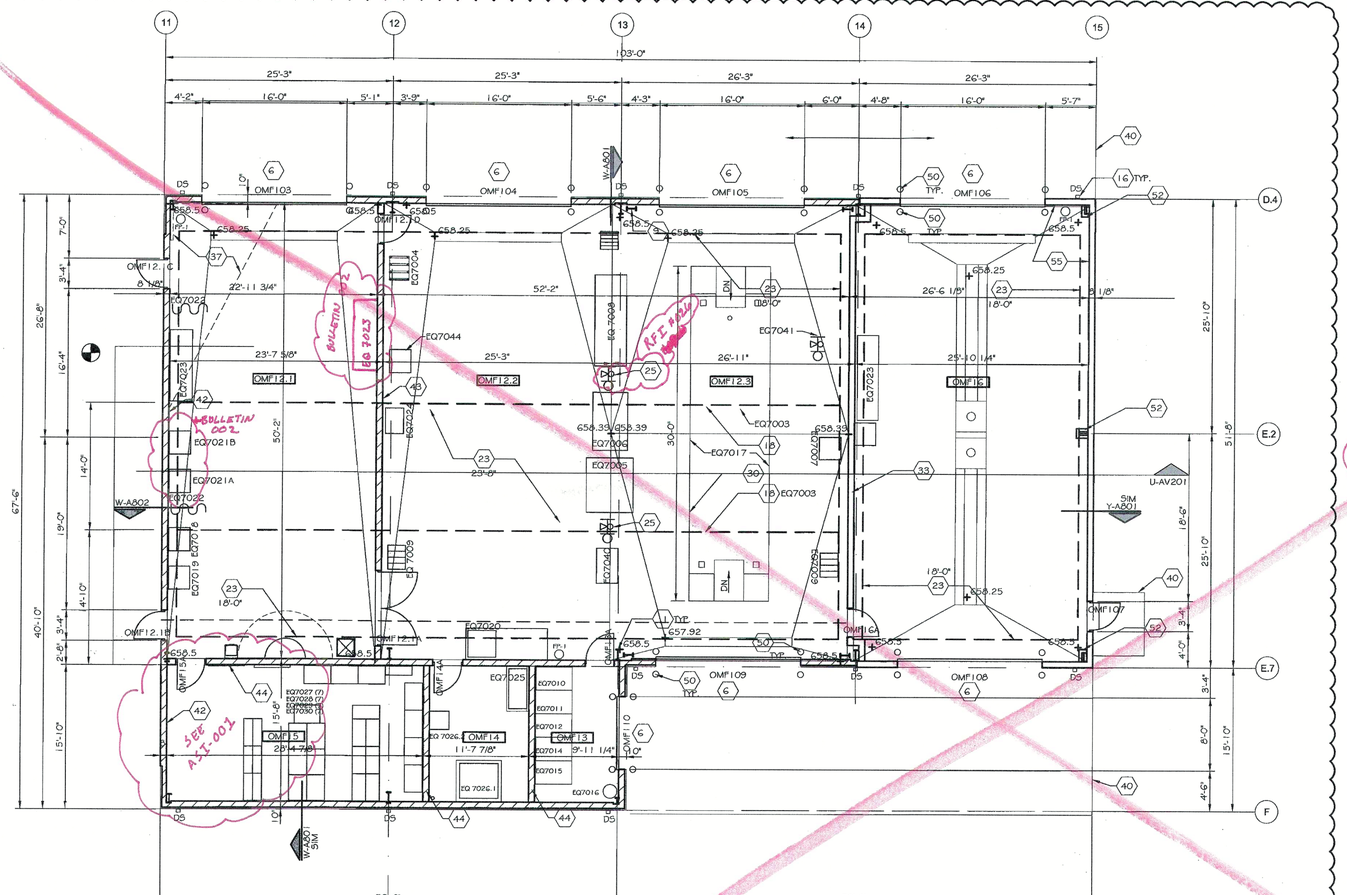
AV201

VEHICLE MAINTENANCE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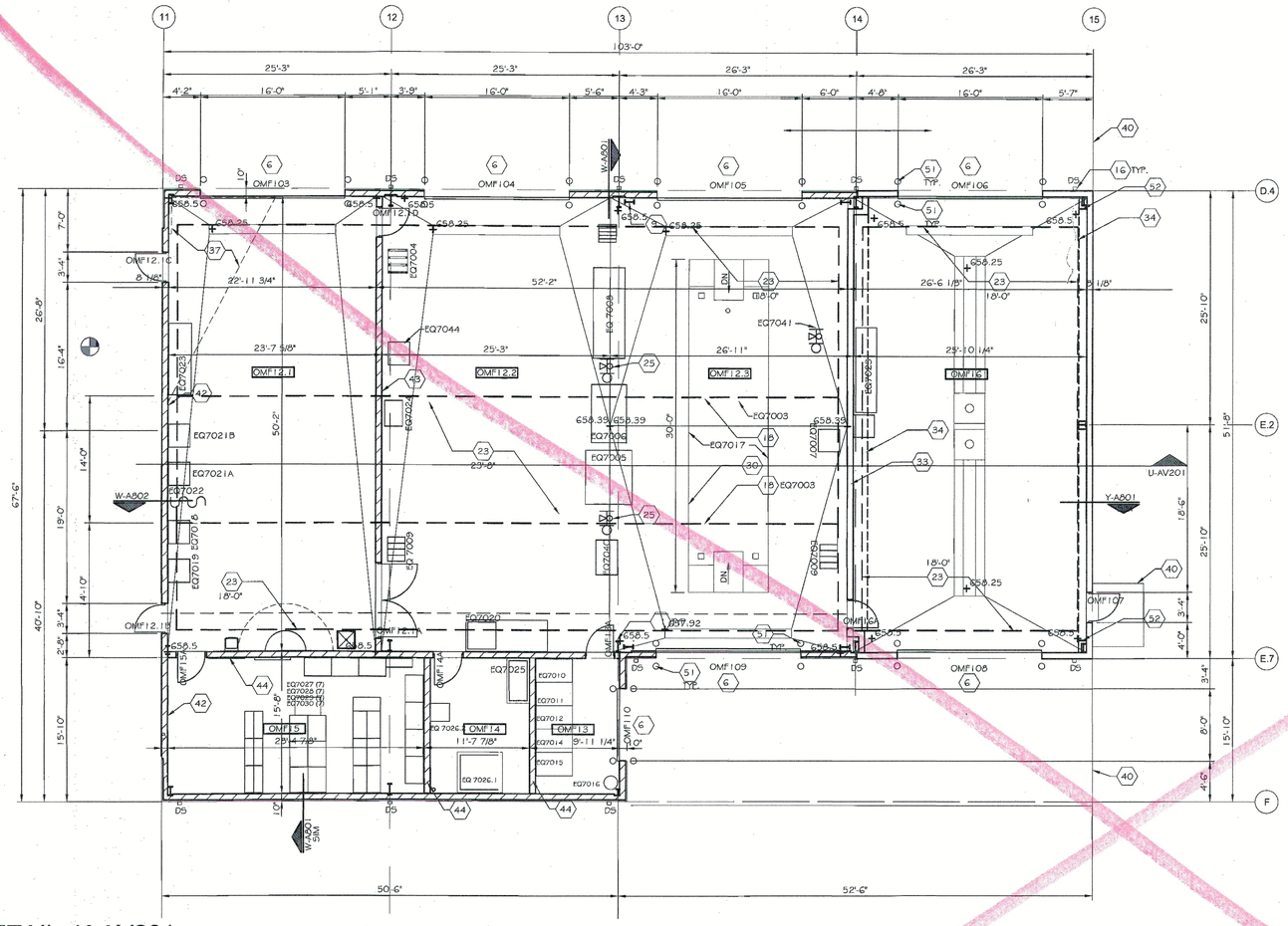
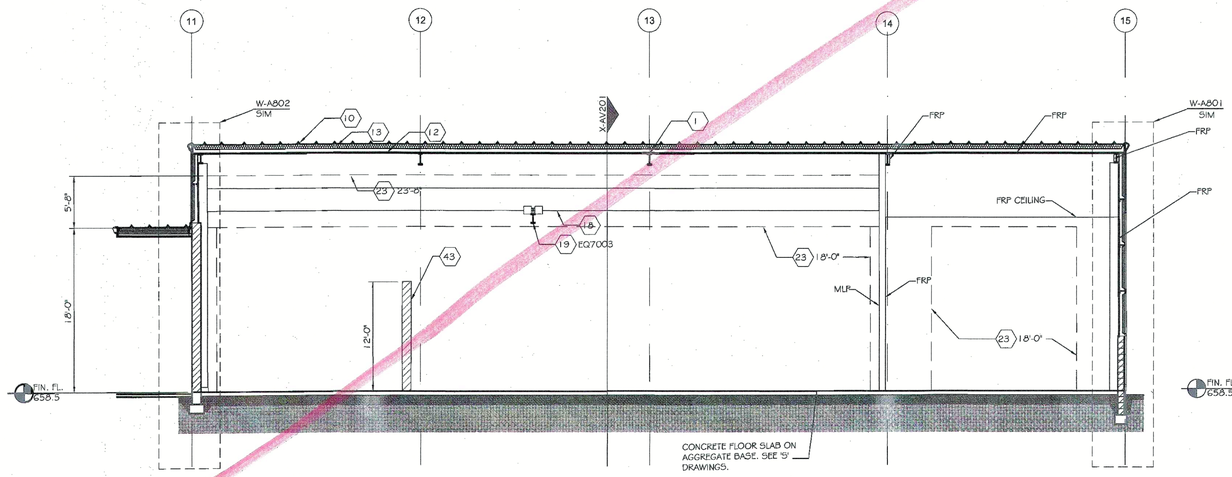


DETAIL K-AV201

VEHICLE MAINTENANCE FLOOR PLAN

0 8'

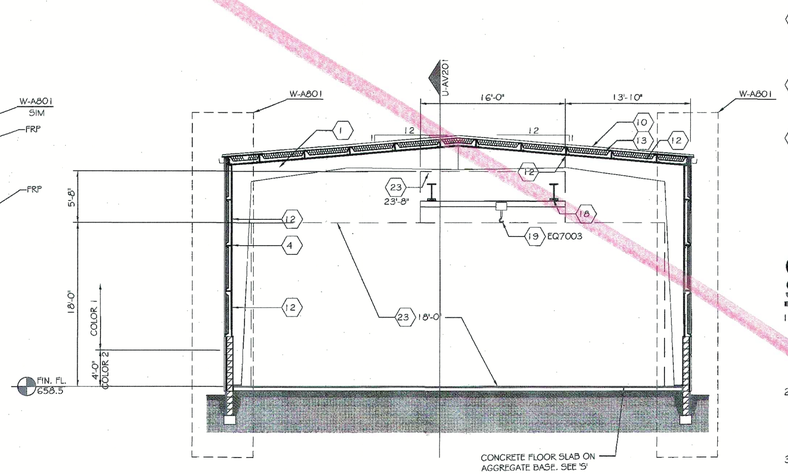
NORTH



DETAIL U-AV201

LONGITUDIONAL BUILDING SECTION VEHICLE MAINTENANCE BUILDING

0 8'



DETAIL X-AV201

TRANSVERSE BUILDING SECTION VEHICLE MAINTENANCE BUILDING

0 8'

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

06 10" OPENING FRAMING (13 34 19).

07 8" OPENING FRAMING (13 34 19).

09 RIGID PORTAL FRAME (13 34 19).

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).

13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

16 4X5 MBS DOWNSPOUT. (13 34 19).

17 SNOW GUARD (13 34 19).

18 BRIDGE CRANE RUNWAY BEAM (41 22 13).

19 SINGLE GIRDER UNDERHUNG BRIDGE CRANE WITH RUNWAY BEAMS AND RUNWAY BEAM SUPPORTING STRUCTURAL STEEL TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 3 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
BRIDGE GIRDER SPAN: 14'-0"
MAXIMUM DIMENSIONS: 4'-8"H X 16'-0"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

23 MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

25 SERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GGSERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GG.

30 RECESSED LIFT PIT. SEE 'S' DRAWINGS. COORDINATE DIMENSIONS WITH VERTICAL LIFT.

33 UNRATED CFMF PARTITION. 600S162-97 CFMF 16" OC WITH FRP PANELS TO OMF016 SIDE AND MBS METAL WALL LINER PANELS TO OMF12.3 SIDE. (09 77 00)

34 FRP SOFFIT. COVER EXPOSED MBS MAIN FRAME AND END WALL FRAME WITH FRP PANELS ON 3-5/8" STEEL STUDS 16" OC ATTACHED TO FRAME. (09 77 00)(09 22 16)

37 EXTENT OF BROUNFIELD MEMBRANE (07 26 23.19). SEE 'S' DRAWINGS.

39 DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW TO UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

43 UNRATED 12" CMU PARTITION TO 12'-0" AFF. 12" CMU WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

44 UNRATED 8" CMU PARTITION. 8" CMU FROM FLOOR BELOW TO UNDERSIDE OF PURLINS ABOVE WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2X2'X6' (AND 3') GRADE A (SINGLE POUR) UNITS.

52 FRP COLUMN COVER. COVER MBS MAIN FRAME AND END WALL COLUMNS WITH FRP PANELS ON 3-5/8" STEEL STUDS 16" OC SUPPORTED FROM FRAME 5' OC. (09 77 00)(09 22 16)

GENERAL SHEET NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

3 SEE SHEETS AT201, AV201, AND A0201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.

4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Resource Design, Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE. 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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AV201

VEHICLE MAINTENANCE

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-020**
		Date of Issue:	September 23, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Sectional Door and Liner Panel Coordination

At Sectional Doors, stop Liner Panel at least 42-inches above opening and 4-inches from opening jamb. Provide Liner Closure Trim from end of Liner Panel to Opening Closure Trim.

At Jambs, fasten Liner Panel, Jamb Trim, and Liner Closure Trim to Girts. Install Sectional Door Track over Liner Closure Trim to opening framing.

At Heads, stop Liner Panel at first girt 42-inches or more above opening. Extend Liner Closure Trim to head of opening framing, overlapping 1-inch and terminate.

See attached sketches.

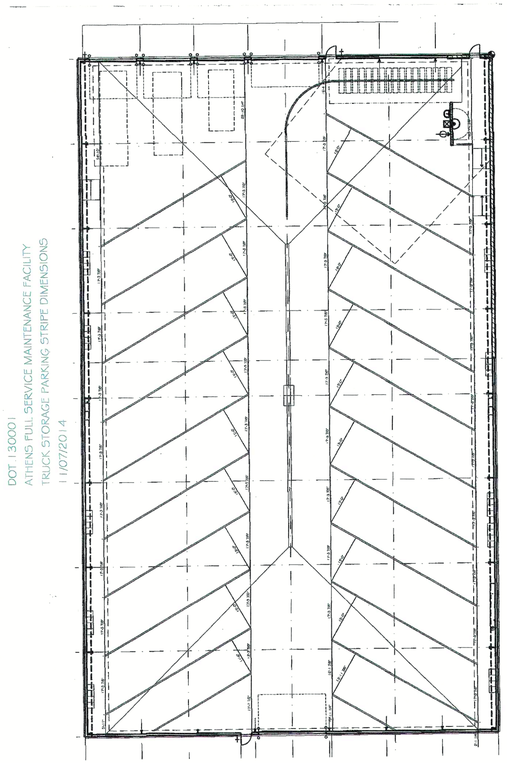
Graf & Sons (Columbus Door Sales LLC) has confirmed doors will be engineered to clear 2-inches 42-inches above opening with no additional cost and no additional time.

Attachments:

Issued by

September 23, 2014

Renouveau Design, Inc. Thomas I. Converse Date



DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-016**
		Date of Issue:	September 9, 2014 *Revised*
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Delete Wall Mounted Handrails in Truck Storage

Sheet AT201

Delete Coded Note 49.
Wall mounted handrails are not required (See ICC 117.1 405 and OBC 1010.8)
Comply with Coded Note 48 providing handrails on open sides of ramps complying with ICC 117.1 and including edge protection.

Attachments:

Issued by

September 9, 2014

Renouveau Design, Inc. Thomas I. Converse Date

Matulja, Rick

From: Andry, Tom
Sent: Friday, September 05, 2014 7:52 AM
To: Matulja, Rick
Subject: FW: GSM Job 14U0194A

Please post to drawings. Thanks.
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Cole, Denny (GSMMS) <denny.cole@gulfstatesmanufacturers.com>
Sent: Thursday, September 04, 2014 3:09 PM
To: Andry, Tom
Cc: Pryor, Billy E. (GSMMS)
Subject: GSM Job 14U0194A

Tom,

Per our conversation earlier today, it is acceptable to either bolt or weld the field located support beams to our primary framing.
All welding should be done by an AWS certified welder using a minimum of E70XX electrodes.

Let me know if you have any questions.

Denny A. Cole, P.E.
Senior Design Engineer
Gulf States Manufacturers
A ***Nucor*** *Company*
662-324-8707
denny.cole@gulfstatesmanufacturers.com

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THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 048

REQUEST FOR INFORMATION

TO:	RDI	**DATE:**	22-Aug-14
ATTN:	Tom Converse	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	AT201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Truck Storage Hand Washing Station		

On drawing AT201, it shows a hand washing station, mop sink and emergency shower. It shows a wall between these plumbing fixtures. What type of wall is this wall? There are no dimensions, please provide dimensions for location of wall? Keep in mind the UG plumbing is already installed.

Suggestion: The wall should be a 6" metal stud wall to accommodate all the plumbing required for these 4 plumbing fixtures.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 29-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

8/25/2014 - SEE RFI-042 RESPONSE.

DATE OF REPLY: 8/25/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 042

REQUEST FOR INFORMATION

TO:	RDI Architects	**DATE:**	20-Aug-14
ATTN:	Tom Converse	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	AT201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Wash Station & Vehicle Lift Elevation		

On AT201, the change of elevation is unclear near wash station and vehicle lift between column lines D.5 to E and 9 to 10.

We are requesting a detailed drawing of the area.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 25-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

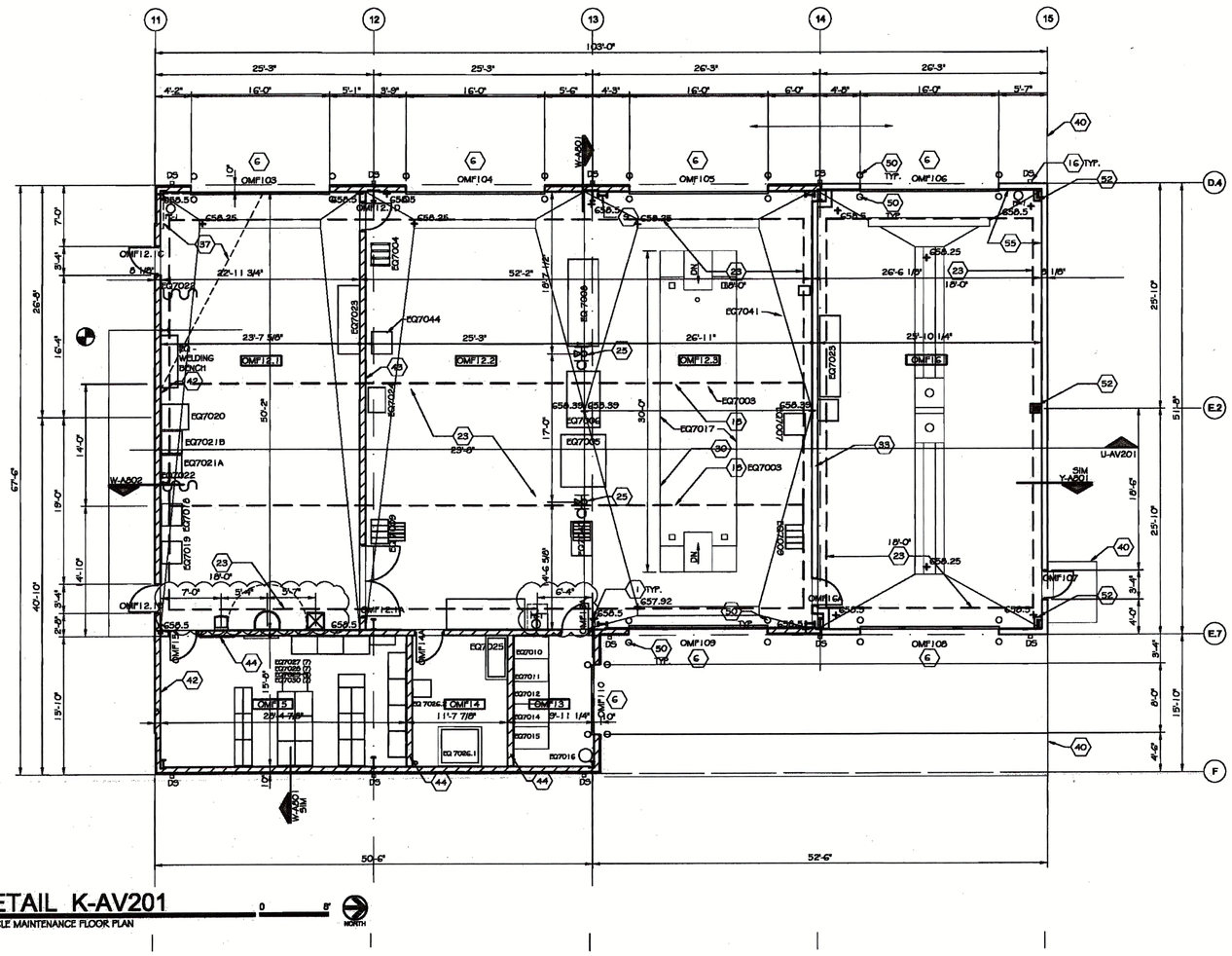
8/25/2014 - IT IS UNDERSTOOD THIS RFI DOES NOT REFER TO FLOOR ELEVATIONS AT VEHICLE LIFT, BUT RATHER TO TRUCK STORAGE HAND WASH / UTILITY CENTER AT LINES INDICATED IN RFI.
SEE DETAIL E-AT201, DETAIL J-AT201, DETAIL O-AT201, AND DETAIL T-AT201 ON AT201 REVISED 8/25/2014.

IN LIEU OF E5/EW-1 BRADLEY 519345HFB, PROVIDE BRADLEY 519314 (BOTH LOCATIONS T501 AND OMF12.2)

DATE OF REPLY: 8/25/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)


11
12
13
14
15
D.4
E.2
E.7
F
103'-0"
25'-3"
25'-3"
26'-3"
26'-3"
67'-6"
40'-10"
26'-8"
16'-4"
19'-0"
15'-10"
7'-0"
3'-4"
14'-0"
4'-10"
3'-4"
2'-8"
50'-6"
52'-6"
OMF10.3
OMF12.1
OMF12.2
OMF12.3
OMF13
OMF14
OMF15
OMF16
OMF17
OMF18
OMF19
OMF110
W-A502
W-A501
SIM
U-AV201
X-AV201
Y-AV201
EQ7020
EQ7021B
EQ7021A
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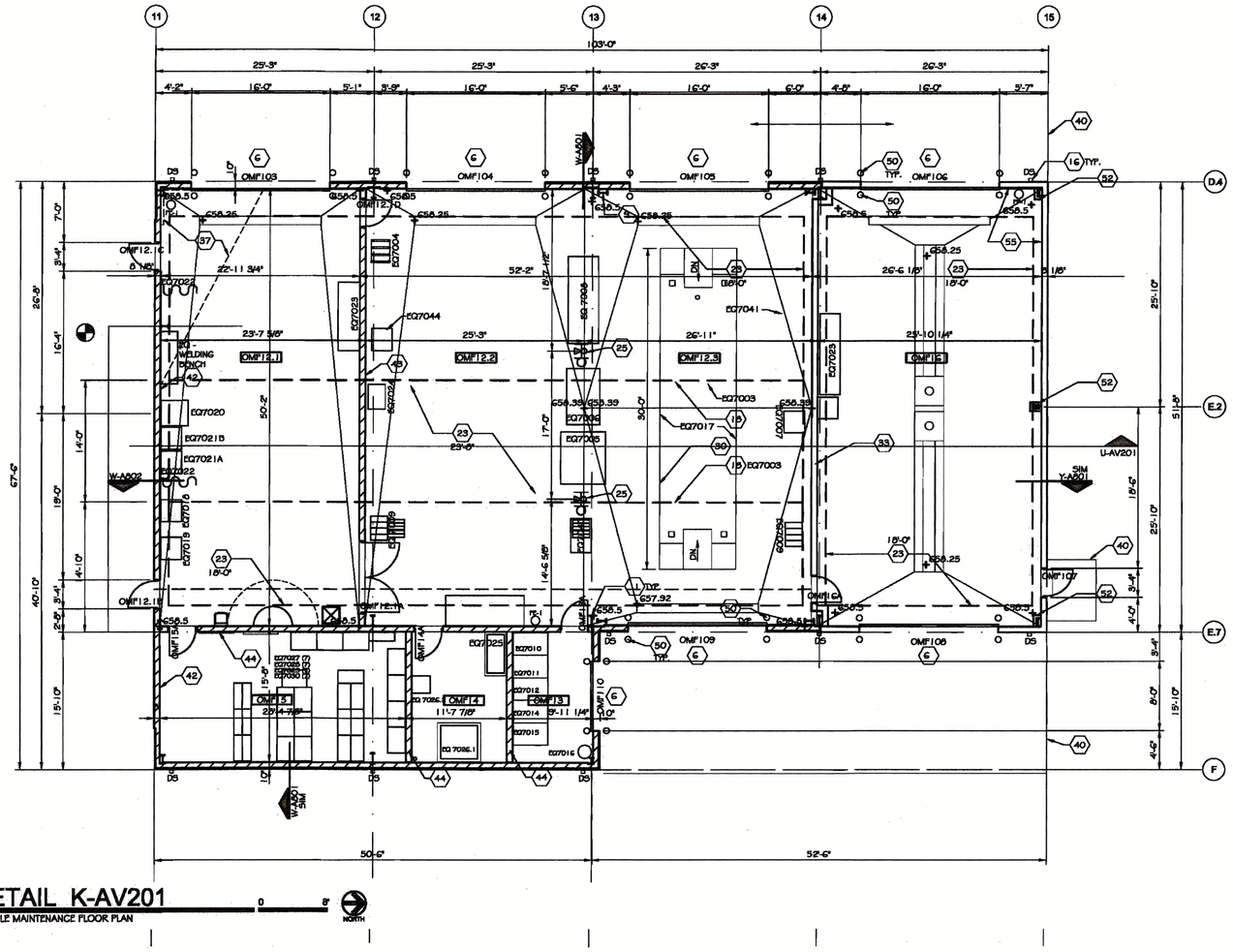
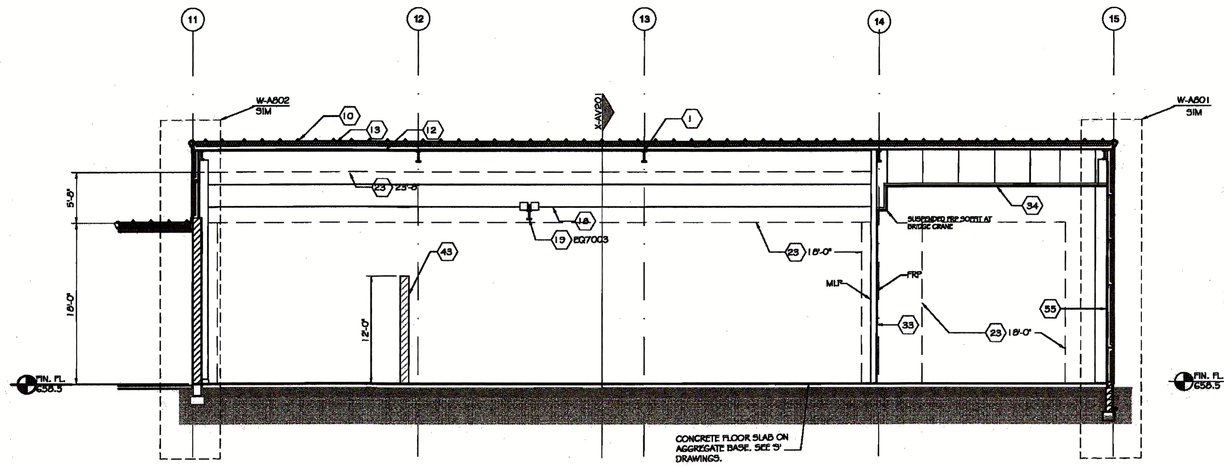


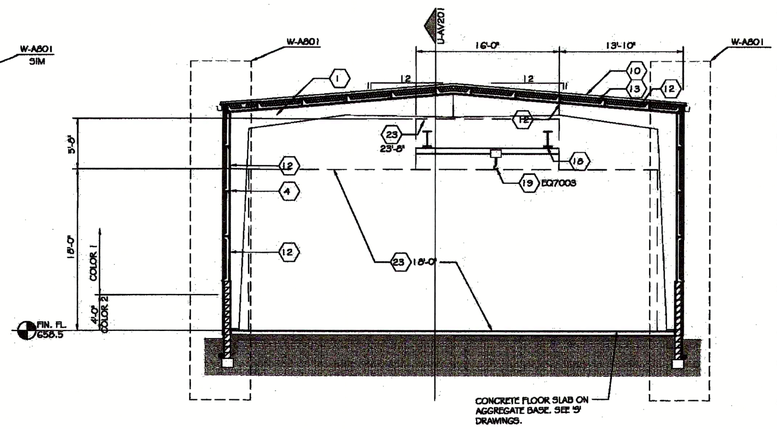
DETAIL K-AV201

VEHICLE MAINTENANCE FLOOR PLAN



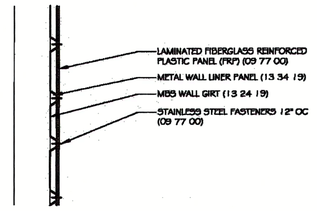
DETAIL U-AV201

LONGITUDIONAL BUILDING SECTION VEHICLE MAINTENANCE BUILDING



DETAIL X-AV201

TRANSVERSE BUILDING SECTION VEHICLE MAINTENANCE BUILDING



DETAIL E-AV201

FRP PANEL ON METAL WALL LINER PANEL

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

06 10" OPENING FRAMING (13 34 19).

07 8" OPENING FRAMING (13 34 19).

09 RIGID PORTAL FRAME (13 34 19).

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

12 TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).

13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

16 4X5 MBS DOWNSPOUT. (13 34 19).

17 SNOW GUARD (13 34 19).

18 BRIDGE CRANE RUNWAY BEAM (41 22 13).

19 SINGLE GIRDER UNDERHUNG BRIDGE CRANE WITH RUNWAY BEAMS AND RUNWAY BEAM SUPPORTING STRUCTURAL STEEL TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 3 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
BRIDGE GIRDER SPAN: 14'-0"
MAXIMUM DIMENSIONS: 4'-5"H X 12'-0"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

23 MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

25 SERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GGSERVICE SUPPORT COLUMN. PROTECTS (2) CONVENIENCE OUTLETS AND (1) COMPRESSED AIR CONNECTION POINT. PROVIDE GALVANIZED W8X31 EMBEDDED 22" IN DEPRESSED FLOOR SLAB AND EXTENDING 36" AFF WITH STEEL TOP PLATE (05 50 00). PAINTED MPI-98 GG.

30 RECESSED LIFT PIT. SEE 'S' DRAWINGS. COORDINATE DIMENSIONS WITH VERTICAL LIFT.

33 UNRATED CFMF PARTITION. 600S162-97 CFMF 16" OC ON (2) 2X6 GROUND CONTACT PRESERVATIVE TREATED WOOD BOTTOM PLATE WITH FRP PANELS TO OMF16 SIDE AND MBS METAL WALL LINER PANELS TO OMF12.3 SIDE. (09 77 00)(13 34 19).

37 EXTENT OF BROUNFIELD MEMBRANE (07 26 23.19). SEE 'S' DRAWINGS.

34 SUSPENDED FRP CEILING. LAMINATED FIBERGLASS REINFORCED PANEL ON CEILING SUSPENSION SYSTEM WITH PANEL SUPPORTS 12" OC. (09 77 00)(09 29 00).

39 DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW OF UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

43 UNRATED 12" CMU PARTITION TO 12'-0" AFF. 12" CMU WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

44 UNRATED 8" CMU PARTITION. 8" CMU FROM FLOOR BELOW TO UNDERSIDE OF PURLINS ABOVE WITH HORIZONTAL JOINT REINFORCEMENT 16" OC VERTICALLY. SEE 'S' DRAWINGS FOR ADDITIONAL REQUIREMENTS.

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

52 FRP COLUMN COVER. COVER MBS MAIN FRAME AND END WALL COLUMNS WITH FRP PANELS ON 3-5/8" STEEL STUDS 12" OC SUPPORTED FROM FRAME 5' OC. (09 77 00)(09 22 16)

55 FRP ON METAL LINER PANEL. SEE DETAIL E-AV201.

GENERAL SHEET NOTES

1 PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).

2 PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SELLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.

3 SEE SHEETS AT201, AV201, AND A0201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.

4 SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

8 AT MASONRY ABOVE GRADE, PROVIDE CONTROL JOINTS AT GRID LINES AND AT END ON LINTEL ON LATCH SIDE OF SINGLE LEAF DOOR OPENINGS, AND BOTH SIDES OF OPENINGS WIDER THAN 4'

9 PROVIDE EQUIPMENT SUPPORT (05 50 00) FOR VEHICLE EXHAUST REELS AND LUBE AND SERVICE REELS ATTACHED TO ROOF STRUCTURE ABOVE. SEE DETAIL (05 50 00).

THOMAS & MARKER CONSTRUCTION

Remmersma Design, Inc. RDI

STATE OF OHIO
THOMAS L CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
JULY 22, 2014
JULY 23, 2014

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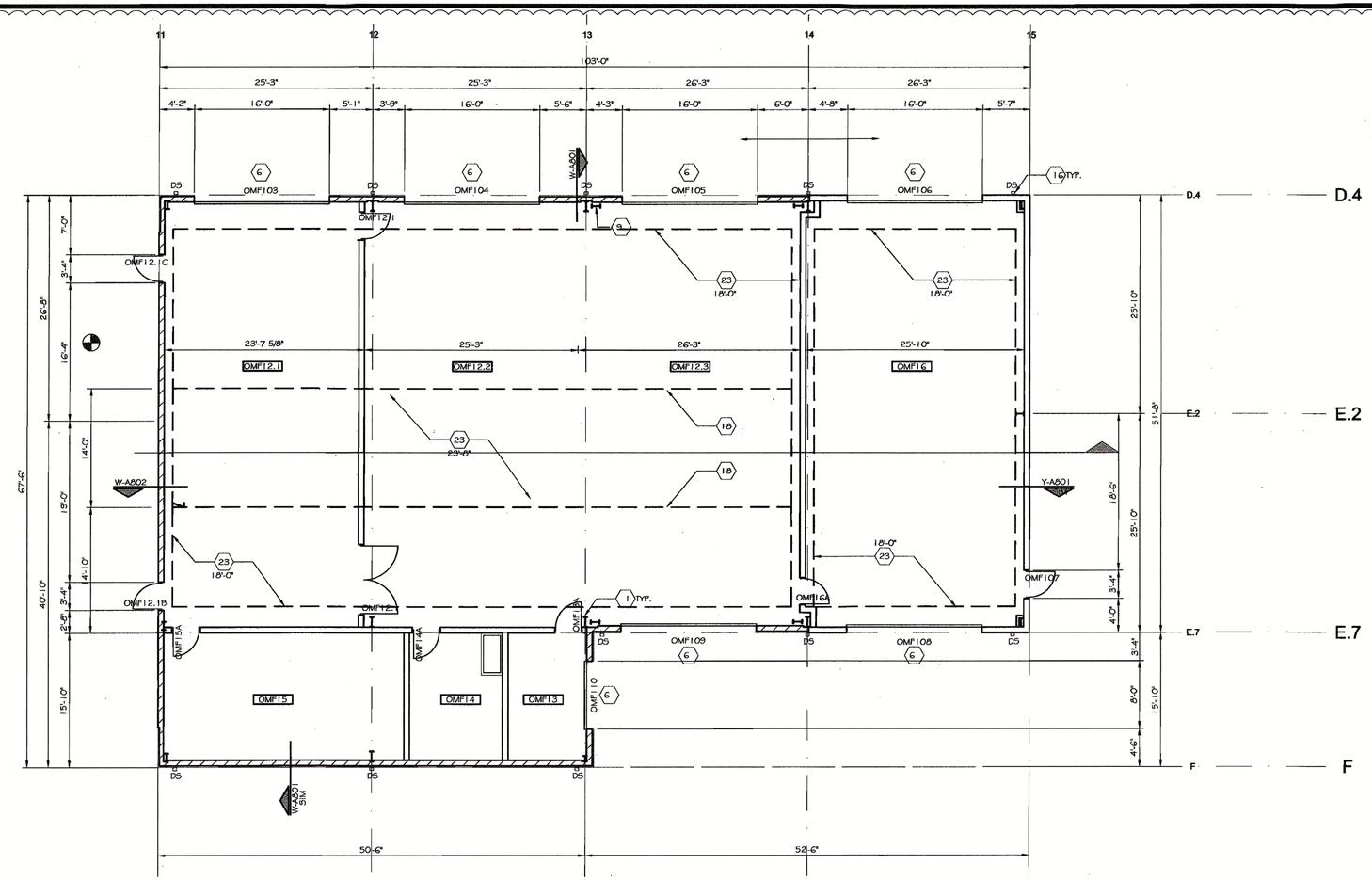
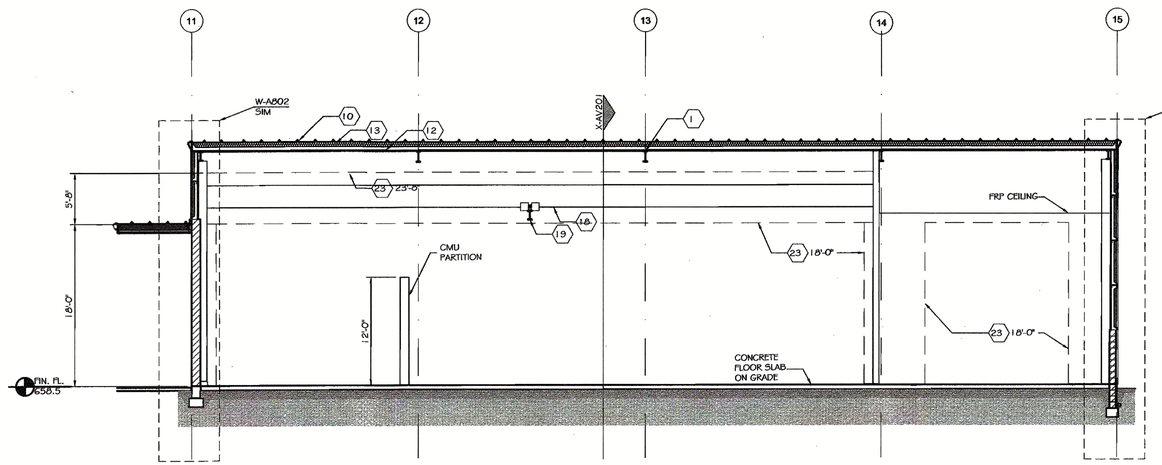
AV201

VEHICLE MAINTENANCE



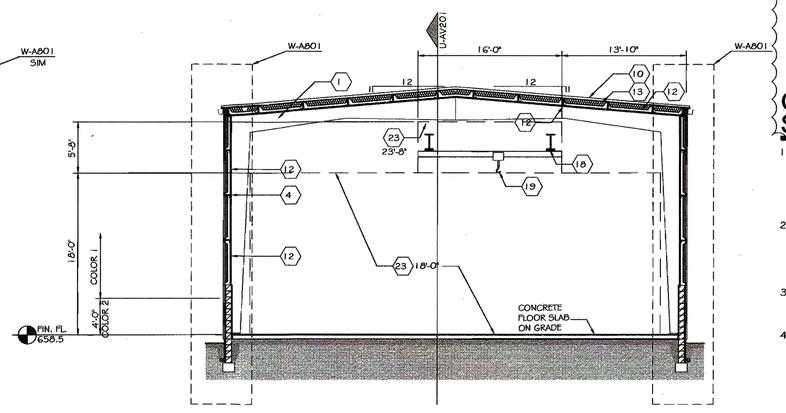
DETAIL K-AV201

VEHICLE MAINTENANCE FLOOR PLAN



DETAIL U-AV201

LONGITUDIONAL BUILDING SECTION VEHICLE MAINTENANCE BUILDING



DETAIL X-AV201

TRANSVERSE BUILDING SECTION VEHICLE MAINTENANCE BUILDING

CODED NOTES

01	MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).
03	PURLIN (13 34 19).
04	GIRT (13 34 19).
06	10" OPENING FRAMING (13 34 19).
07	8" OPENING FRAMING (13 34 19).
09	RIGID PORTAL FRAME (13 34 19).
10	TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).
12	TAPERED-RIB-PROFILE, METAL LINER PANEL (13 34 19).
13	R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).
16	4X5 MBS DOWNSPOUT. (13 34 19).
17	SNOW GUARD (13 34 19).
18	BRIDGE CRANE RUNWAY BEAM (41 22 13).
19	SINGLE GIRDER UNDERHUNG BRIDGE CRANE WITH RUNWAY BEAMS AND RUNWAY BEAM SUPPORTING STRUCTURAL STEEL TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00). LOAD CAPACITY: 3 TONS HOOK LIFT HEIGHT: 18'-0" AFF BRIDGE GIRDER SPAN: 14'-0" MAXIMUM DIMENSIONS: 4'-8"H X 16'-0"W X LENGTH INDICATED (NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)
23	MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

GENERAL SHEET NOTES

1. PROVIDE MBS ROOF PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL ROOF PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS (13 34 19).
2. PROVIDE MBS WALL PANEL ACCESSORIES REQUIRED FOR A COMPLETE METAL WALL PANEL ASSEMBLY INCLUDING FLASHING, COPINGS, FASCIA, MULLIONS, SILLS, CORNER UNITS, CLIPS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS.
3. SEE SHEETS AT201, AV201, AND A0201 FOR DOOR DESIGNATIONS AND DOOR SCHEDULE SHEET A502 FOR DOOR OPENING SIZES.
4. SEE SHEET WINDOW SCHEDULE SHEET A503 FOR WINDOW OPENING SIZES.

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

PRE-ENGINEERED METAL BUILDING

DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 26, 2014

REVISED:
APRIL 2, 2014

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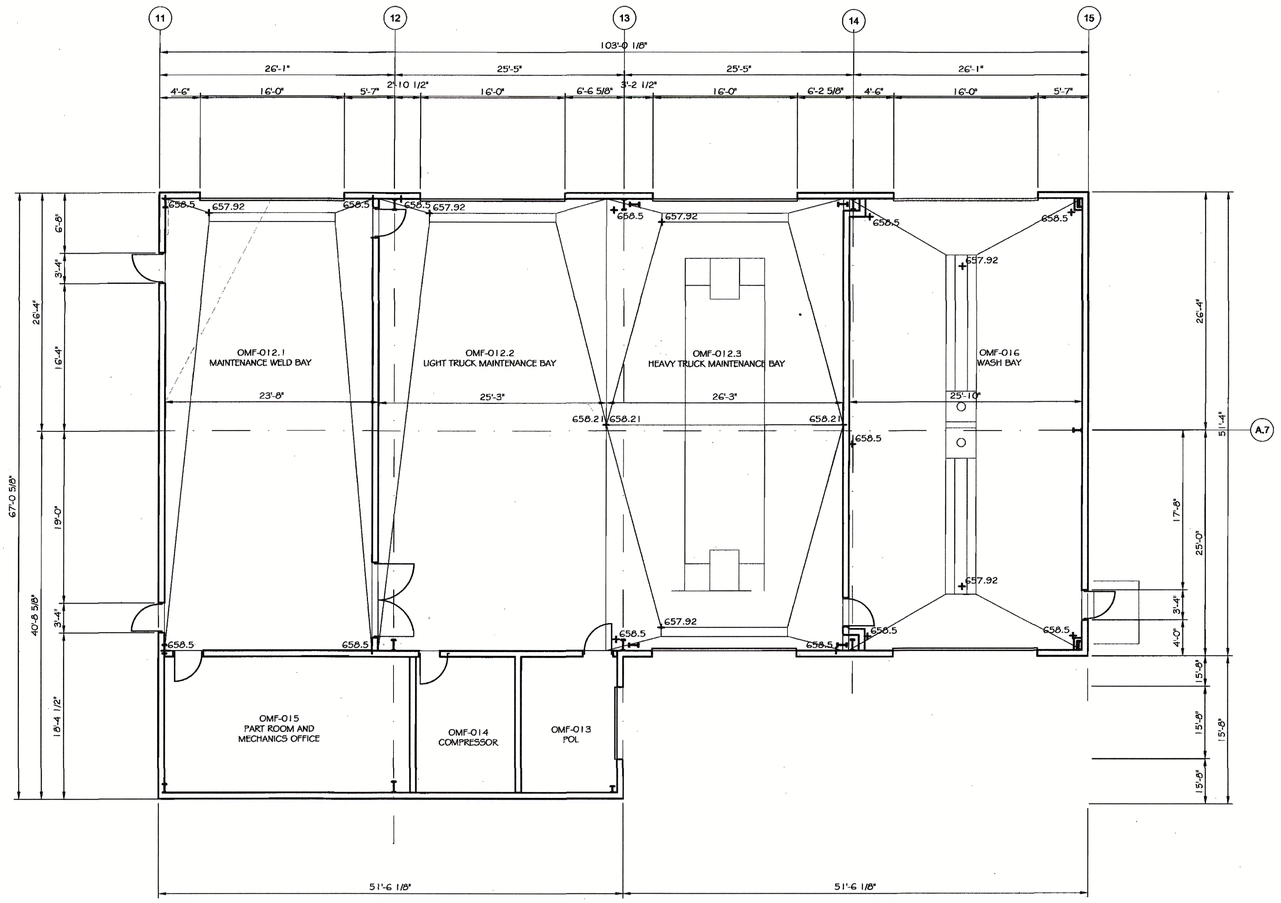
AV201

VEHICLE MAINTENANCE



DETAIL K-AV201

VEHICLE MAINTENANCE FLOOR PLAN

0 8'

NORTH

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

STATE OF OHIO
THOMAS L CONVERSE 6425
REGISTERED ARCHITECT

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION
DOCUMENTS
FEBRUARY 27, 2014

REVISED:

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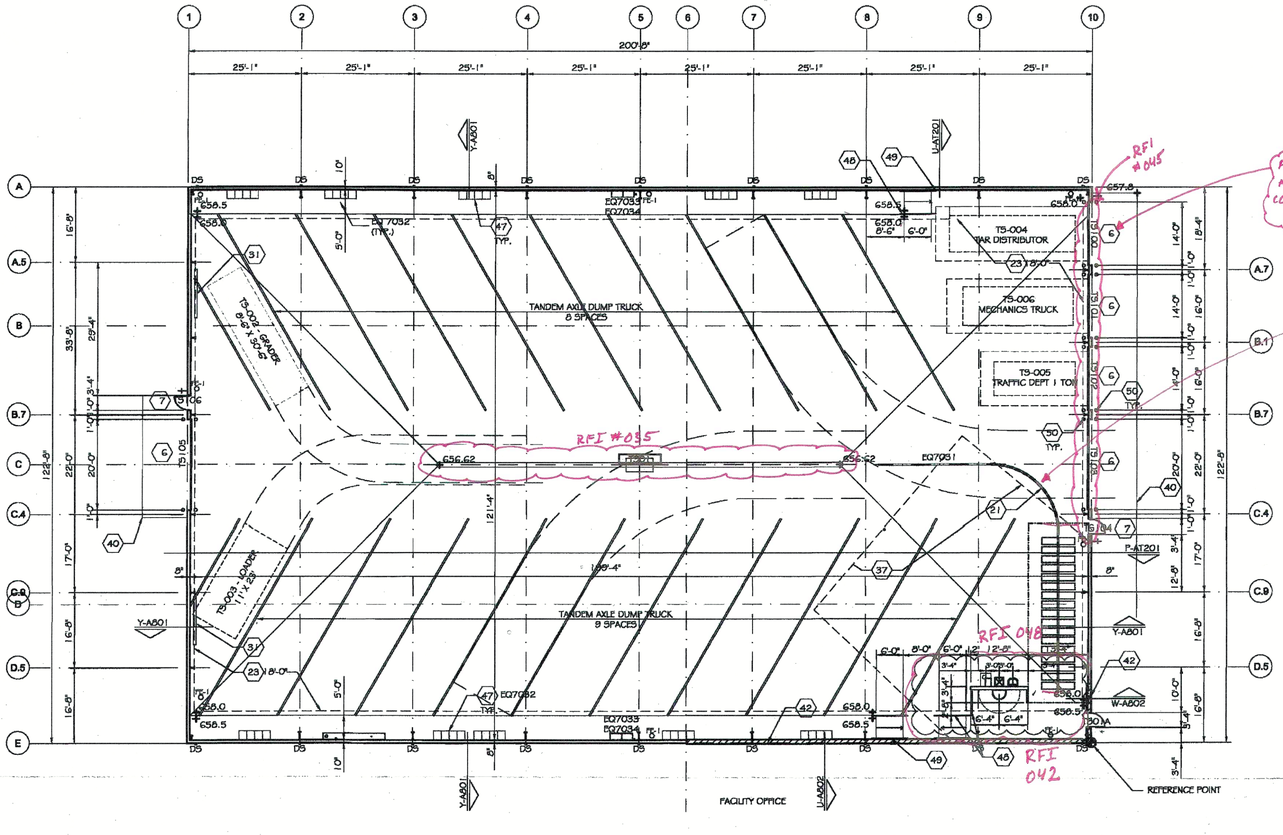
AV201

VEHICLE MAINTENANCE



FOR LINEAR PANEL AND SECTIONAL DOOR COORDINATION, SEE ASI-020

FOR CRANE SUPPORT, SEE CONVERSATION VIA EMAIL W/ DENNIS COLE FROM GULF STATES ON 05 SEPT 2014

FOR BOLLARDS, SEE RFI-010

ASI 016

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

02 MBS PRIMARY FRAME LEAN TO (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

06 10" OPENING FRAMING (13 34 19).

07 8" OPENING FRAMING (13 34 19).

10 TRAPEZOIDAL-RIB, STANDING SEAM METAL ROOF PANEL (13 34 19).

13 R-19 THERMAL INSULATION WITH CONTINUOUS VAPOR RETARDER TO INSIDE (13 34 19).

21 MONORAIL CRANE AND TRACK WITH STRUCTURAL STEEL SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 1.5 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
MAXIMUM DIMENSIONS: 3'-6"H X 2'-6"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

23 MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

31 GUARD RAIL UNIT (11 11 00). 44"h X 10'L.

37 EXTENT OF BROWNFIELD MEMBRANE (07 26 23.19). SEE 'S' DRAWINGS.

39 DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW OF UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

47 GROUP OF (4) 21"W X 24"D X 72"H SINGLE TIER METAL LOCKERS (10 21 13).

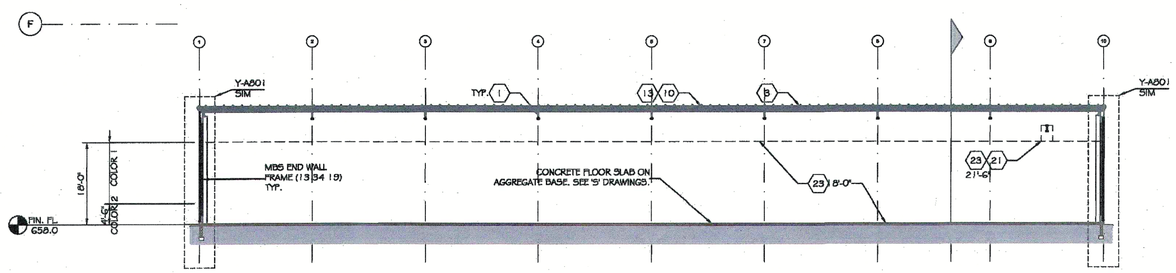
48 1-1/2" PIPE RAILING 8' LONG 36" AFF (05 50 00). PROVIDE 1-1/2" PIPE POSTS 4' OC AND 1-1/2" PIPE EDGE PROTECTION 4" AFF. COMPLY WITH ICC 117.1 FIG 405.9.2 B, FIG 505.10.1 SET IN FLOOR SLEEVES.

49 1-1/2" PIPE RAILING 8' LONG 36" AFF (05 50 00). MOUNTED TO WALL.

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

DETAIL K-AT201

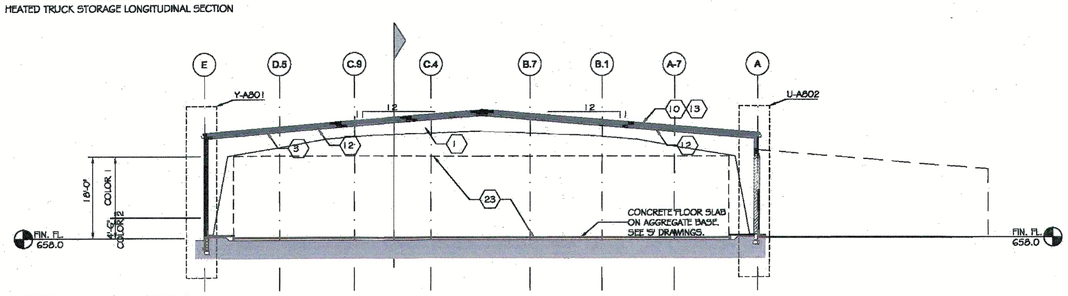
HEATED TRUCK STORAGE PLAN



FOR OVERHANG SEE ASI-001

DETAIL P-AT201

HEATED TRUCK STORAGE LONGITUDINAL SECTION



DETAIL U-AT201

HEATED TRUCK STORAGE TRANSVERSE SECTION

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

8 AT MASONRY ABOVE GRADE, PROVIDE CONTROL JOINTS AT GRID LINES AND AT END ON LINTEL ON LATCH SIDE OF SINGLE LEAF DOOR OPENINGS, AND BOTH SIDES OF OPENINGS WIDER THAN 4'.

THOMAS & MARKER CONSTRUCTION

Kenworthy Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014
AUGUST 12, 2014

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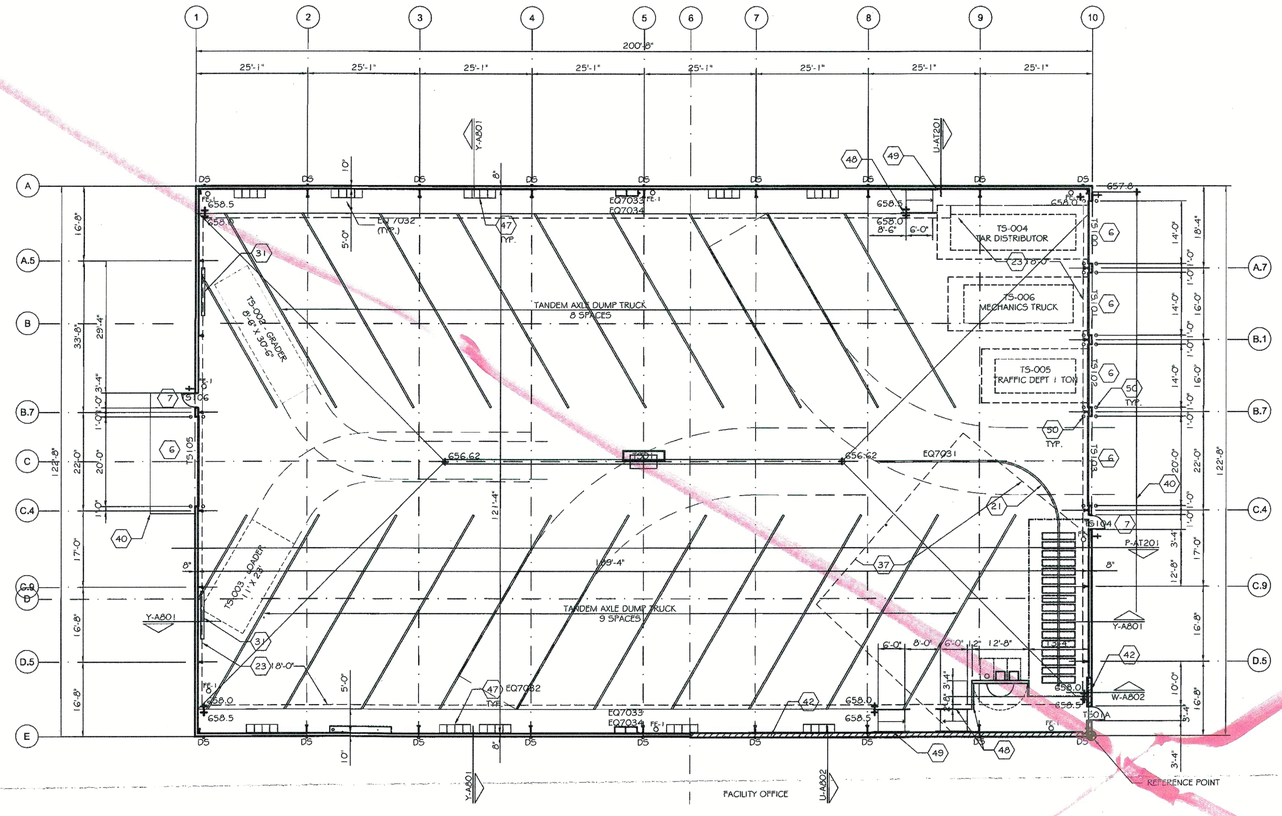
AT201

HEATED TRUCK STORAGE

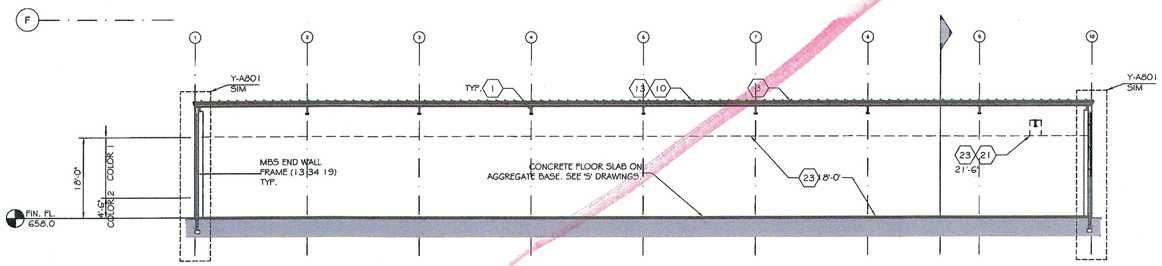


DETAIL K-AT201

HEATED TRUCK STORAGE PLAN

0 16'

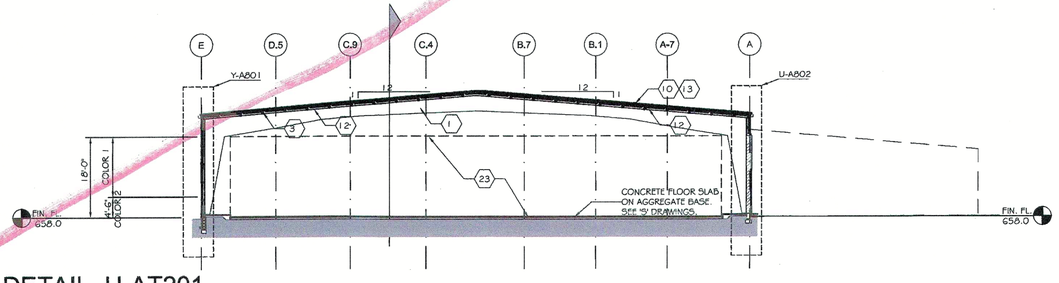
NORTH



DETAIL P-AT201

HEATED TRUCK STORAGE LONGITUDINAL SECTION

0 16'



DETAIL U-AT201

HEATED TRUCK STORAGE TRANSVERSE SECTION

0 16'

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

02 MBS PRIMARY FRAME LEAN TO (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

06 10" OPENING FRAMING (13 34 19).

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21 MONORAIL CRANE AND TRACK WITH STRUCTURAL STEEL SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 1.5 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
MAXIMUM DIMENSIONS: 3'-6"H X 2'-6"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

23 MAINTAIN HEIGHT INDICATED CLEAR ABOVE FINISHED FLOOR IN THIS AREA. NO STRUCTURAL MEMBERS OR BUILDING SERVICES PERMITTED.

31 GUARD RAIL UNIT (11 11 00). 44"h X 10'L.

37 EXTENT OF BROUNFIELD MEMBRANE (07 26 23.19). SEE 'S' DRAWINGS.

39 DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

42 UNRATED SOUND WALL. 12" CMU CONTINUOUS FROM FLOOR SLAB BELOW OF UNDERSIDE OF DECK ABOVE. FILL CORES WITH SAND. SEE 'S' DRAWINGS.

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GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

8 AT MASONRY ABOVE GRADE, PROVIDE CONTROL JOINTS AT GRID LINES AND AT END ON LINTEL ON LATCH SIDE OF SINGLE LEAF DOOR OPENINGS, AND BOTH SIDES OF OPENINGS WIDER THAN 4'

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.
RDI

BALANCE OF PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
JUNE 25, 2014

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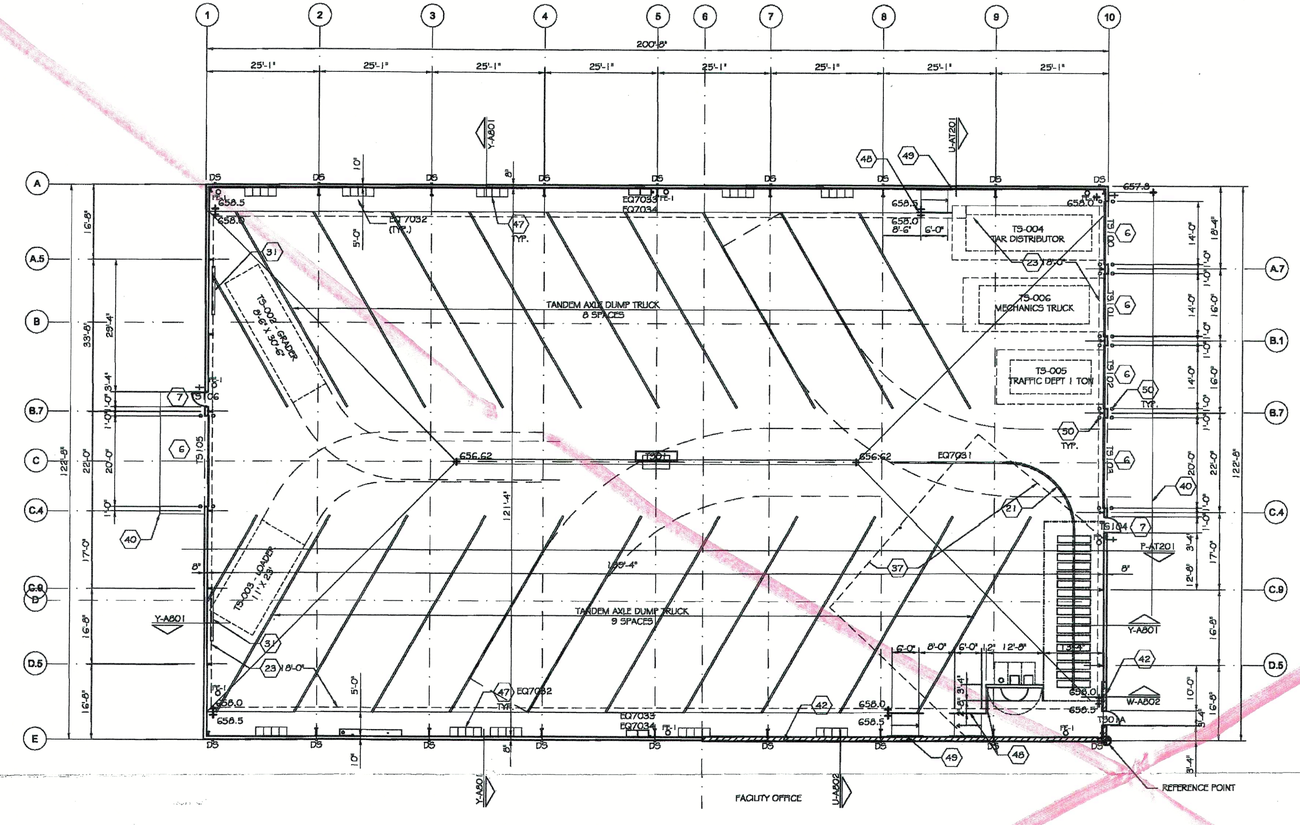
AT201

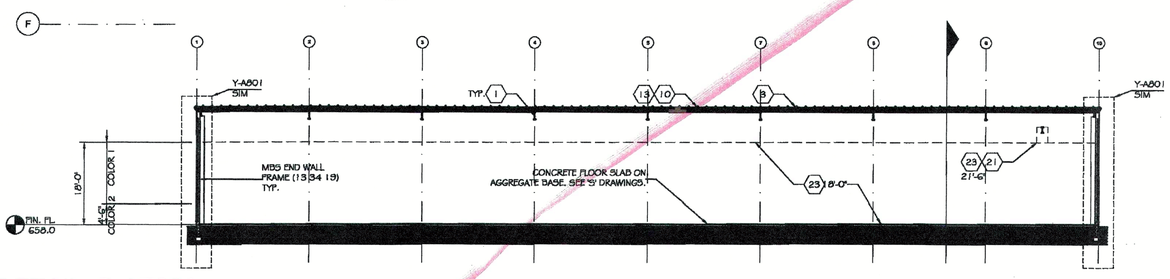
HEATED TRUCK STORAGE



DETAIL K-AT201

HEATED TRUCK STORAGE PLAN

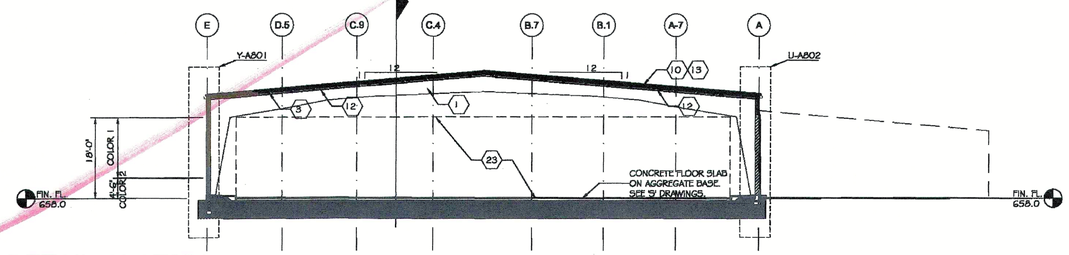
0 16'



DETAIL P-AT201

HEATED TRUCK STORAGE LONGITUDINAL SECTION

0 16'



DETAIL U-AT201

HEATED TRUCK STORAGE TRANSVERSE SECTION

0 16'

CODED NOTES

01 MBS PRIMARY-FRAME RIGID CLEAR SPAN (13 34 19).

02 MBS PRIMARY FRAME LEAN TO (13 34 19).

03 PURLIN (13 34 19).

04 GIRT (13 34 19).

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21 MONORAIL CRANE AND TRACK WITH STRUCTURAL STEEL SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE (41 22 13)(05 12 00).
LOAD CAPACITY: 1.5 TONS
HOOK LIFT HEIGHT: 18'-0" AFF
MAXIMUM DIMENSIONS: 3'-6"H X 2'-6"W X LENGTH INDICATED
(NOT INCLUDING SUPPORT TO MBS RIGID CLEAR SPAN PRIMARY-FRAME AND END WALL FRAME ABOVE.)

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THOMAS & MARKER CONSTRUCTION

Retrotrust Design, Inc. RDI

DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS MAY 18, 2014

REVISED: 6/18/2014

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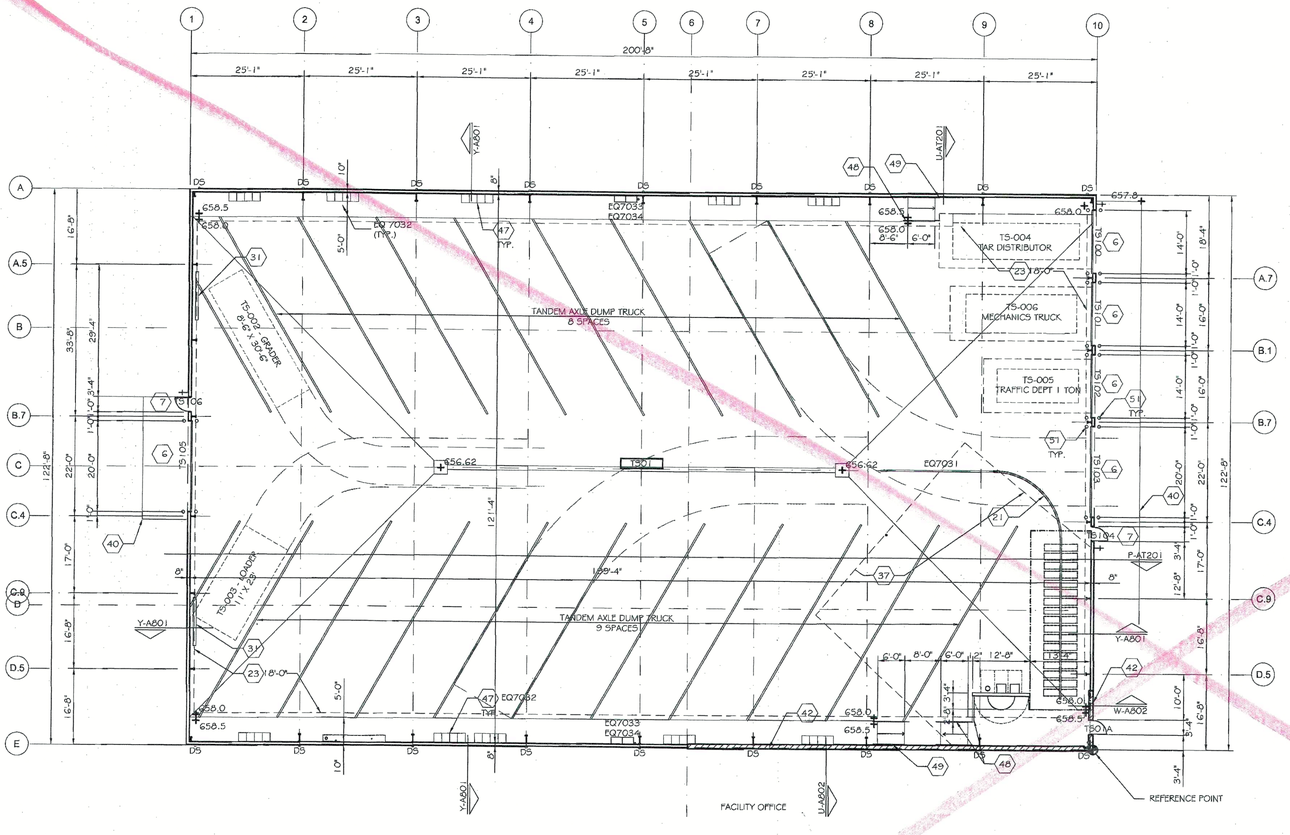
AT201

HEATED TRUCK STORAGE

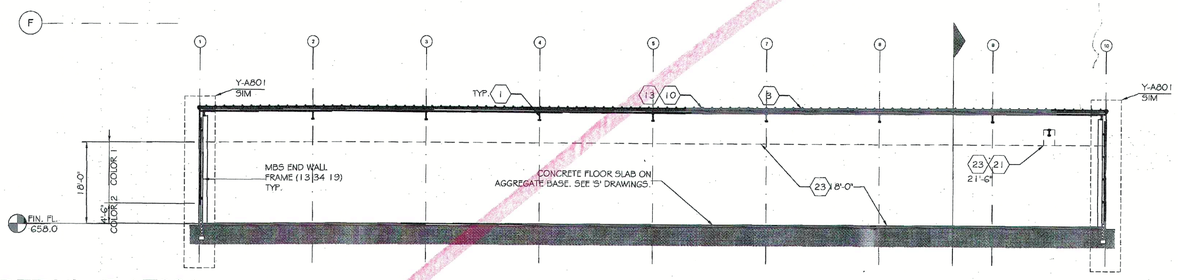


DETAIL K-AT201

HEATED TRUCK STORAGE PLAN

0 16'

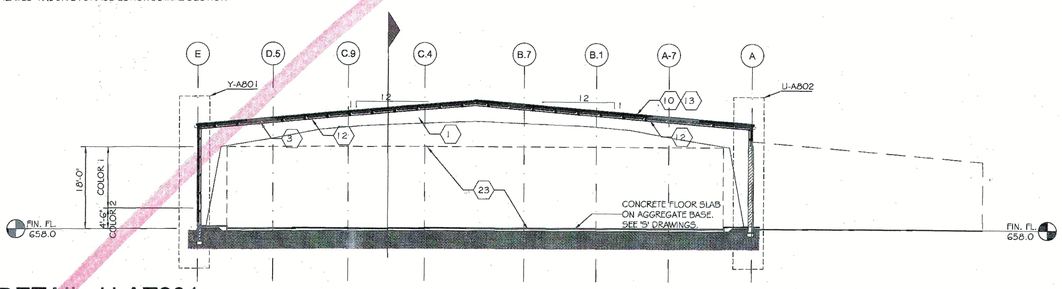
NORTH



DETAIL P-AT201

HEATED TRUCK STORAGE LONGITUDINAL SECTION

0 16'



DETAIL U-AT201

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0 16'

CODED NOTES

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49 1-1/2" PIPE RAILING 8' LONG 36" AFF (05 50 00). MOUNTED TO WALL.

51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2'X2'X6' (AND 3') GRADE A (SINGLE POUR) UNITS.

For Bollards, See RFI 10.

FOR OVERHANG SEE ASI-001

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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AT201

HEATED TRUCK STORAGE

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 075

REQUEST FOR INFORMATION

TO: RDI **DATE:** 3-Nov-14
ATTN: Tom Converse **PAGE:** 1 of 1
EMAIL: tconverse@rdicolumbus.com **DWG:** AC201
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Cold Storage Building - Color Schedule

Please see attached RFI from our cold storage building wall & roof panel supplier.

Are the gutters and downspouts to match the roof?

Also Soffit color to match roof? Fascia to match roof?

Evergreen for the walls is to be the 3' high band around the bottom of the building correct?

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 4-Nov-14
DISTRIBUTION: File, Greg Topp, Steve McClarren

REPLY (RETURN THIS SHEET WITH REPLY):
11/3/2014 - COLD STORAGE TRIM COLORS:

GUTTERS	MATCH ROOF - SANDSTONE
DOWNSPOUTS	MATCH WALL PANEL COLOR 1 - BEIGE
SOFFIT	MATCH ROOF - SANDSTONE
EAVE AND GABLE TRIM	MATCH ROOF - SANDSTONE
CORNER AND OPENING TRIM	MATCH WALL PANEL (CHANGE COLOR WHERE WALL PANEL COLOR CHANGES)

COLOR 2 - EVERGREEN WALL PANELS ARE 4-FEET-HIGH (SEE 1-AC202 AND 3-AC202)

DATE OF REPLY: 11/3/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

BULLETIN

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Bulletin No.:	005
		Date of Issue:	8/11/2014
Owner:	Ohio Department of Transportation	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker	Contract For:	Design-Build Contract
Contract Dated:		Architects' Project No.:	13301

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

Cold Storage Revised to Wood Frame

Change Sheet AC201 Revised 6/24/2014 to Sheet AC201 Revised 8/08/2014.
Revised to Wood Framing.
Change Sheet AC202 Revised 6/24/2014 to Sheet AC201 Revised 8/08/2014.
Revised to Wood Framing.
Change Sheet S301 Revised 5/23/2014 to Sheet S301 Revised 8/05/2014.
Revised Cold Storage Foundation Detail.
Change Sheet S401 Revised 7/17/2014 to Sheet S401 Revised 8/05/2014.
Revised Cold Storage Wood Framing Details.
Change Sheet SC201 Revised 5/23/2014 to Sheet SC201 Revised 8/05/2014.
Revised to Conform to 'A' Drawings.

Attachments:
13301 AC201 140808
13301 AC202 140808
13301 S301 140805
13301 S401 140805
13301 SC201 140805

Submitted

Renouveau Design, Inc. Michael Day 08/11/2014 Date

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 029

REQUEST FOR INFORMATION

TO: RDI Architects **DATE:** 5-Aug-14
ATTN: Tom Converse **PAGE:** 1 of 1
EMAIL: tconverse@rdicolumbus.com **DWG:** N/A
FR: Joe Hannahs **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Cold Storage Masonry Foundations

Please see attached RFI from our masonry contractor.

Please provide exact length of the masonry foundation walls between the overhead doors at the cold storage building. Please also provide a string of dimensions and specify outside and inside block.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 5-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):
8/5/2014 - See Cold Storage Preliminary Dimensions dated 8/5/2014 for layout of foundation walls and openings that extend into top course.

DATE OF REPLY: August 5, 2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	ASI-005
		Date of Issue:	August 1, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr. Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

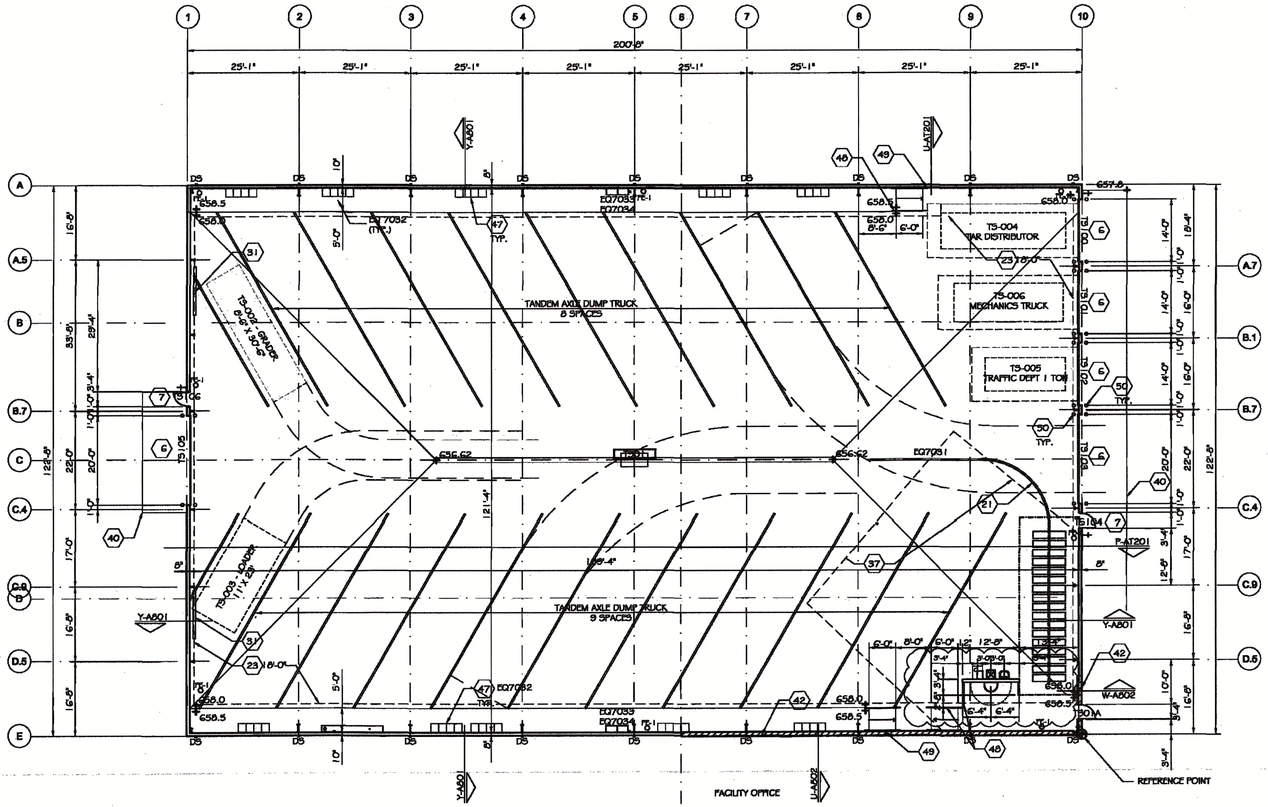
DESCRIPTION:
Wire Mesh Partitions

Add Section 10 22 13 – Wire Mesh Partitions

Attachments:
Specification Section 10 22 13 – Wire Mesh Partitions

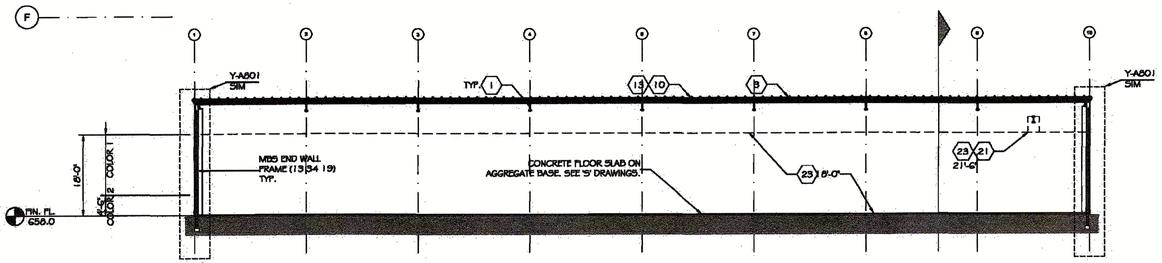
Issued by

Renouveau Design, Inc. Jean Spiker 8/1/14 Date



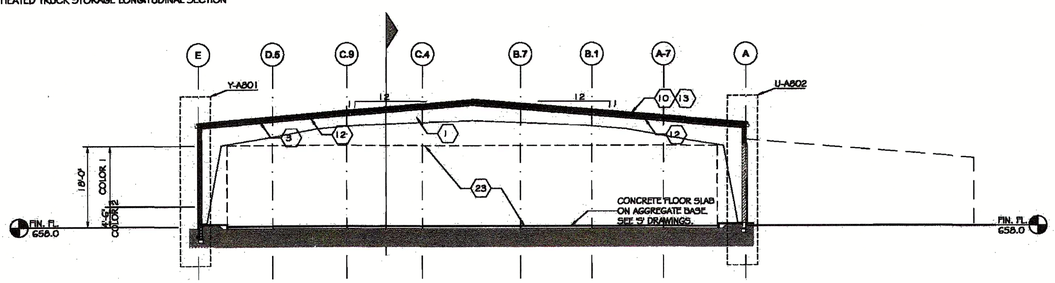
DETAIL K-AT201

HEATED TRUCK STORAGE PLAN



DETAIL P-AT201

HEATED TRUCK STORAGE LONGITUDINAL SECTION



DETAIL U-AT201

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THOMAS & MARKER CONSTRUCTION

Rennewasser Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS JUNE 18, 2014

REVISED: JUNE 25, 2014 AUGUST 12, 2014

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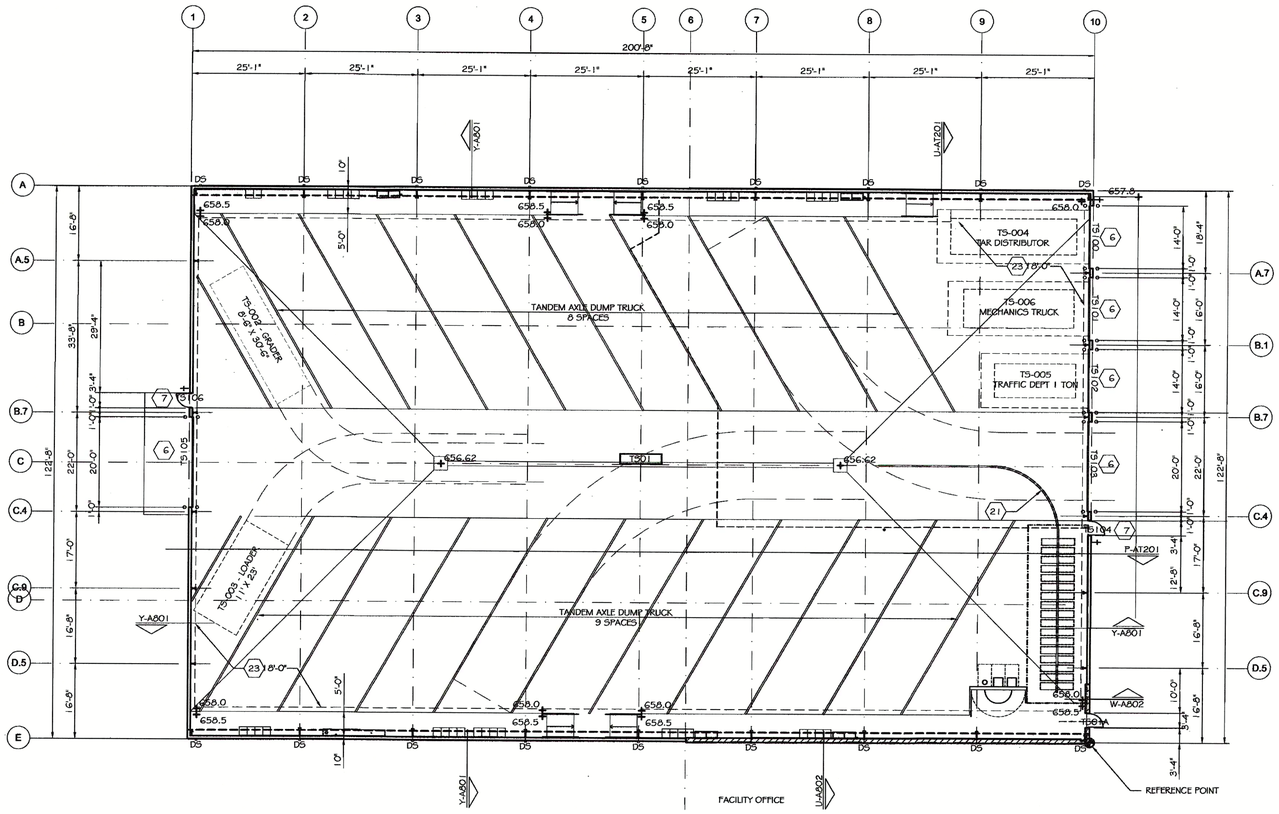
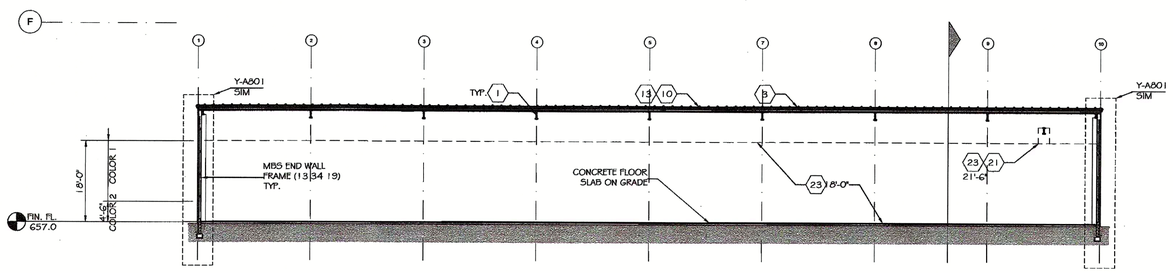
HEATED TRUCK STORAGE



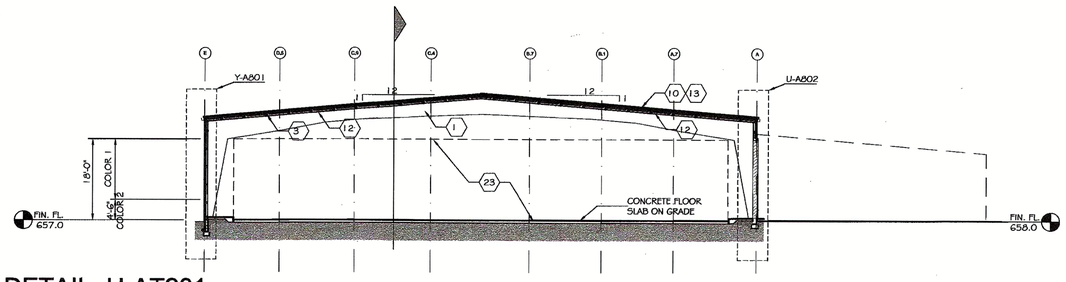
DETAIL K-AT201

HEATED TRUCK STORAGE PLAN



DETAIL P-AT201

HEATED TRUCK STORAGE LONGITUDINAL SECTION



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THOMAS & MARKER CONSTRUCTION

Richardson Design, Inc.

RDI

PRE-ENGINEERED METAL BUILDING
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONSTRUCTION DOCUMENTS
MARCH 28, 2014

REVISED:
APRIL 2, 2014

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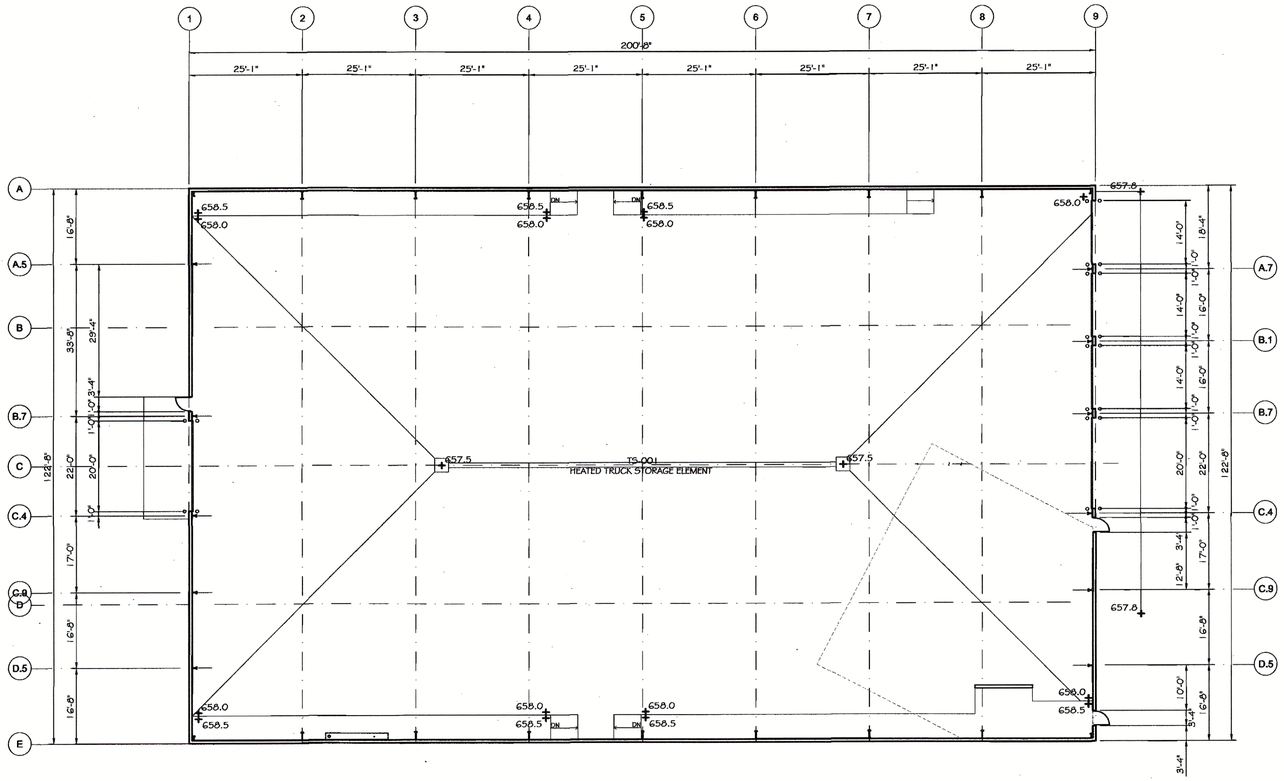
HEATED TRUCK STORAGE



DETAIL K-AT201

0 16'

NORTH

FLOOR PLAN HEATED TRUCK STORAGE BUILDING

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

STATE OF OHIO
THOMAS I. CONVERSE
6425
REGISTERED ARCHITECT

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION
DOCUMENTS
FEBRUARY 27, 2014

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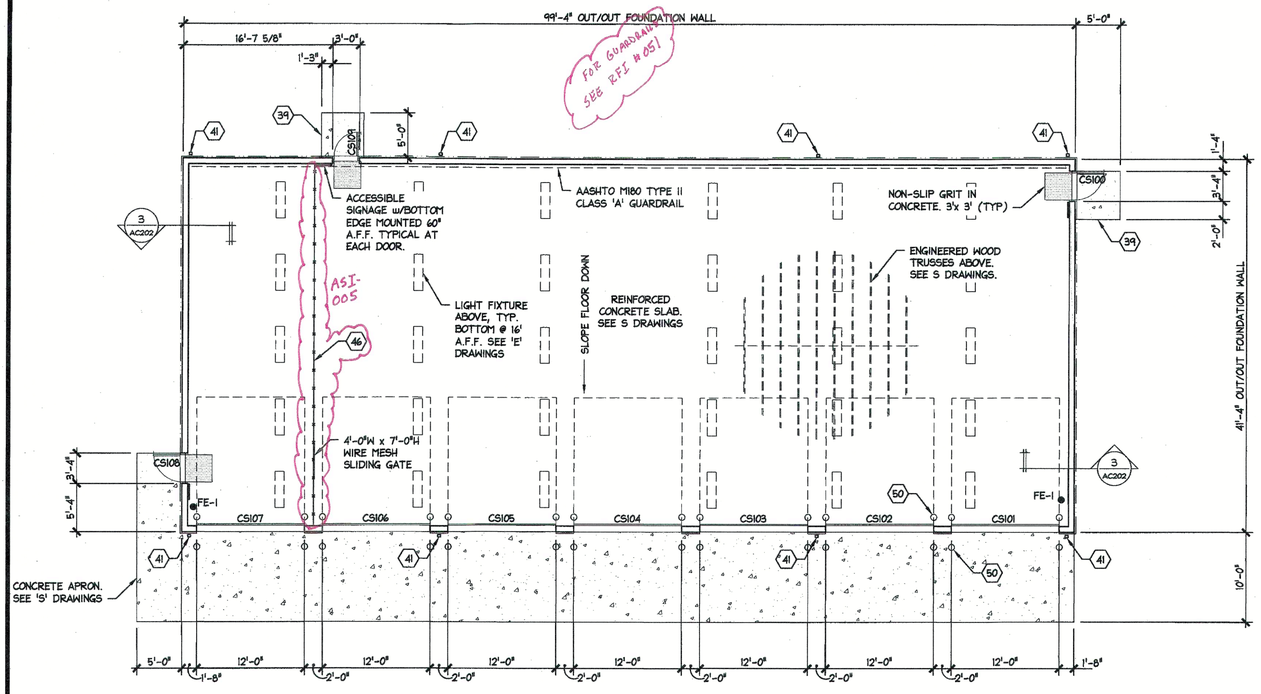
HEATED TRUCK STORAGE



1 A100 FLOOR PLAN
scale: 1/8"=1'-0"

NORTH

MASONRY DIMENSIONS RFI- 029

SEE RFI #075 for color selection of soffit, facia, gutters, etc.

CODED NOTES

- (08) METAL WALL PANEL (07 42 13.13)
- (20) STANDING SEAM METAL ROOF PANEL ON CONTINUOUS SELF-ADHERING HIGH TEMPERATURE UNDERLAYMENT OVER WOOD SHEATHING (07 41 13.16). SEE 'S' DRAWINGS.
- (22) 4x4 GUTTER (16 SQUARE INCHES) (07 41 13.16)
- (32) SNOW GUARD (07 41 13.16)
- (39) DOOR STOOP. 4" THICK WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.
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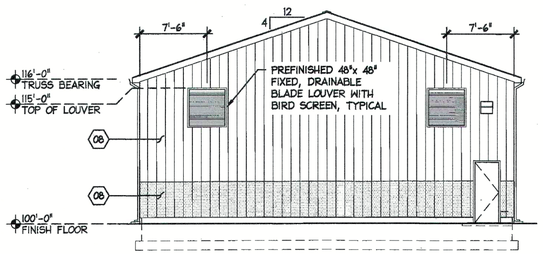
- (50) PIPE BOLLARD (05 50 00). SEE X/AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-3" FROM FACE OF WALL.



2 AC201 WEST ELEVATION
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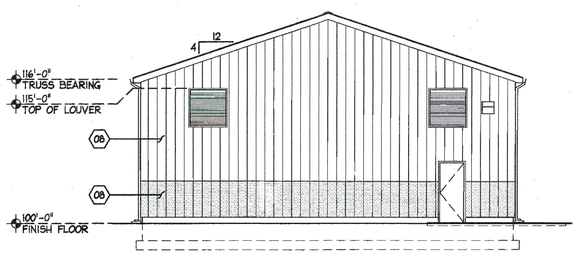
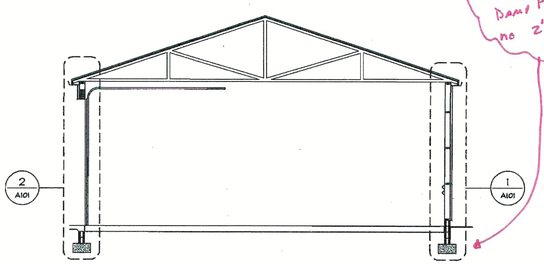
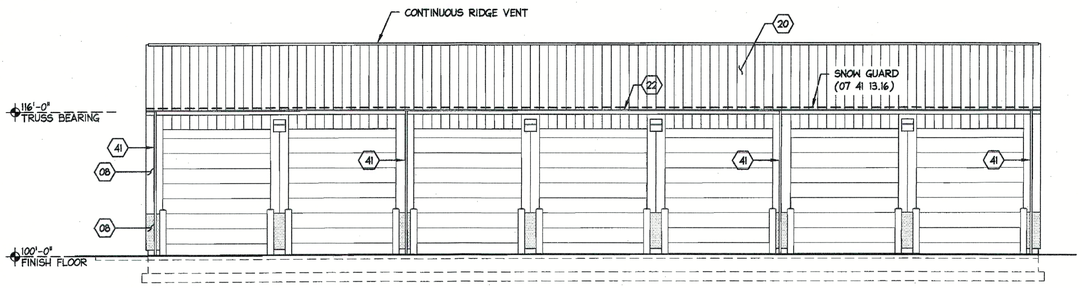


3 AC201 EAST ELEVATION
scale: 1/8"=1'-0"

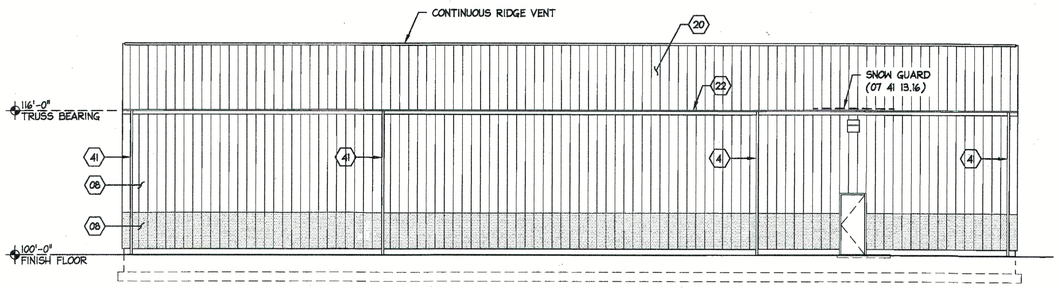
Per Tom Comrie on 8/6/14, Damp proofing to grade only, no 2" rigid non protection board



6 AC201 TRANSVERSE BUILDING SECTION
scale: 1/8"=1'-0"



4 AC201 SOUTH ELEVATION
scale: 1/8"=1'-0"



5 AC201 NORTH ELEVATION
scale: 1/8"=1'-0"

THOMAS & MARKER CONSTRUCTION

RDI Resource Design, Inc.

STATE OF OHIO · THOMAS I. CONVERSE 6425 · REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

STATE OF OHIO · DEPARTMENT OF COMMERCE · DIVISION OF INDUSTRIAL COMPLIANCE · BUILDING CODE COMPLIANCE

REVISED:
AUGUST 8, 2014

Final Plan Approval
Examiner: F. Brown
CPA 2014021053
8/18/2014

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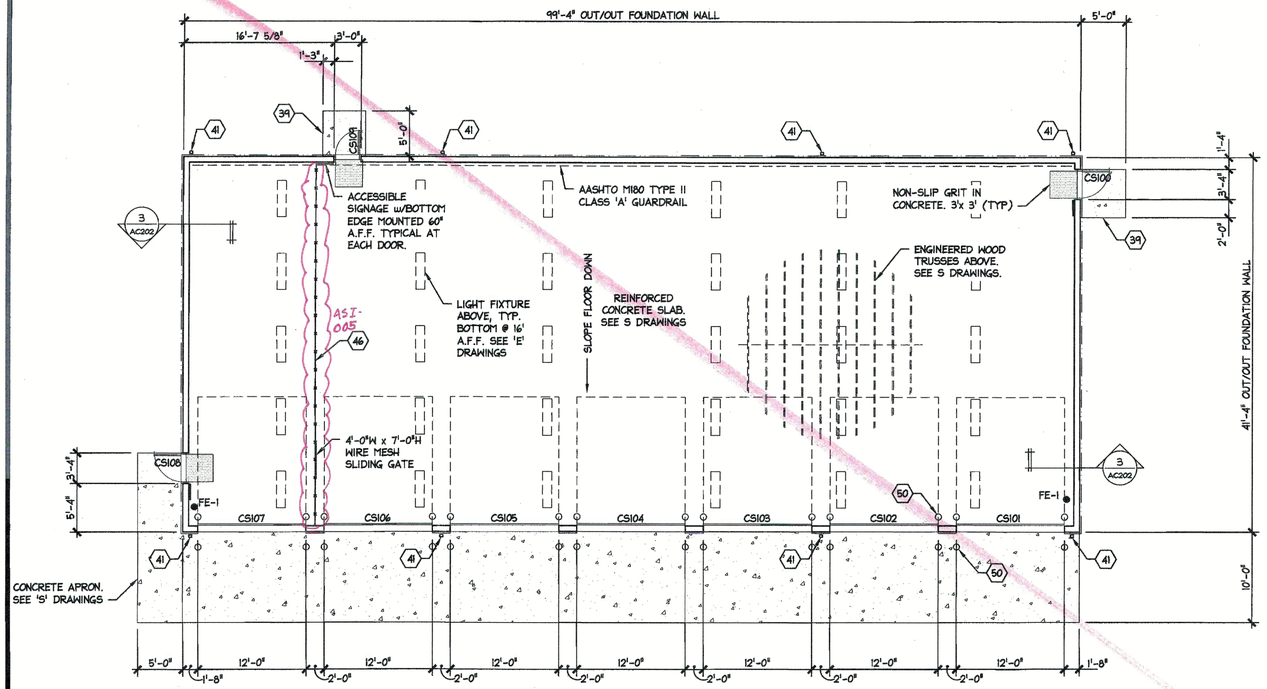
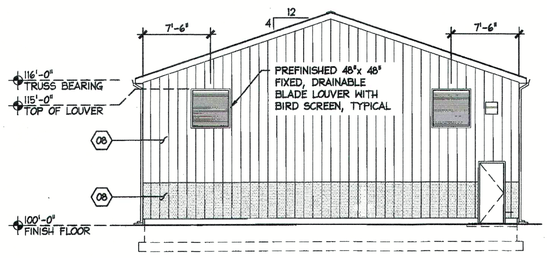
AC201

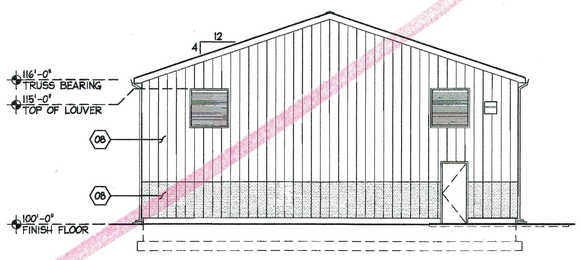
COLD STORAGE



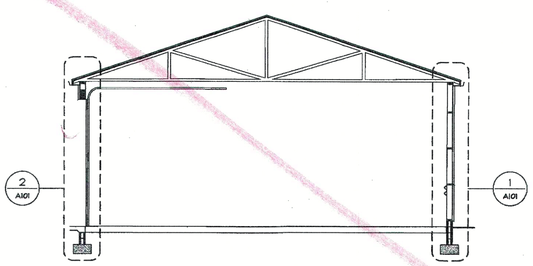
1 A100 FLOOR PLAN
scale: 1/8"=1'-0"



2 AC201 WEST ELEVATION
scale: 1/8"=1'-0"



3 AC201 EAST ELEVATION
scale: 1/8"=1'-0"



6 AC201 TRANSVERSE BUILDING SECTION
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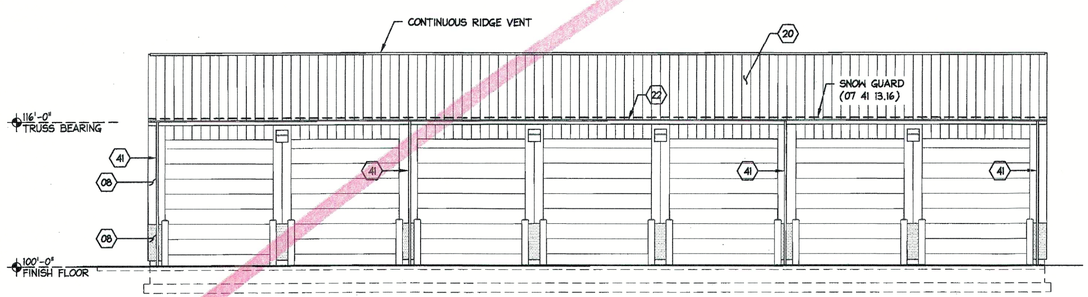
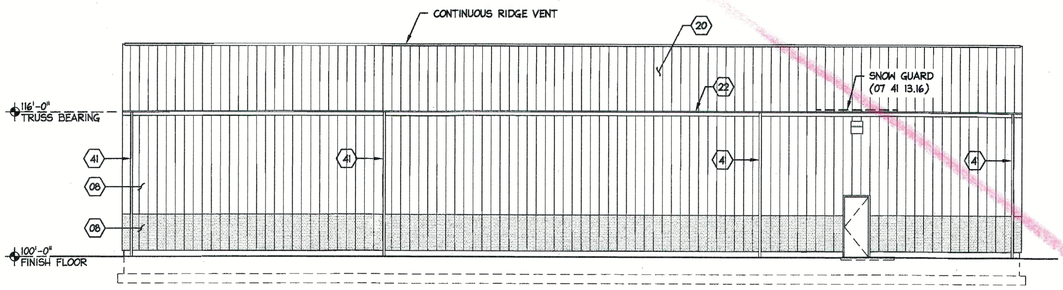


4 AC201 SOUTH ELEVATION
scale: 1/8"=1'-0"



5 AC201 NORTH ELEVATION
scale: 1/8"=1'-0"

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MASONARY DIMENSIONS RFI-029

ASI-005

ASI-005

THOMAS & MARKER CONSTRUCTION

RDI Renaissance Design, Inc.

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 10, 2014

REVISED:
AUGUST 8, 2014

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AC201

COLD STORAGE

CODED NOTES

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20 STANDING SEAM METAL ROOF PANEL ON WOOD ROOF SHEATHING (07 41 13.16). SEE 'S' DRAWINGS

22 4X4 GUTTER (16 SQUARE INCHES). (07 41 13.16)

32 SNOW GUARD (07 41 13.16).

37 EXTENT OF BROUNFIELD MEMBRANE (07 26 23.19). SEE 'S' DRAWINGS.

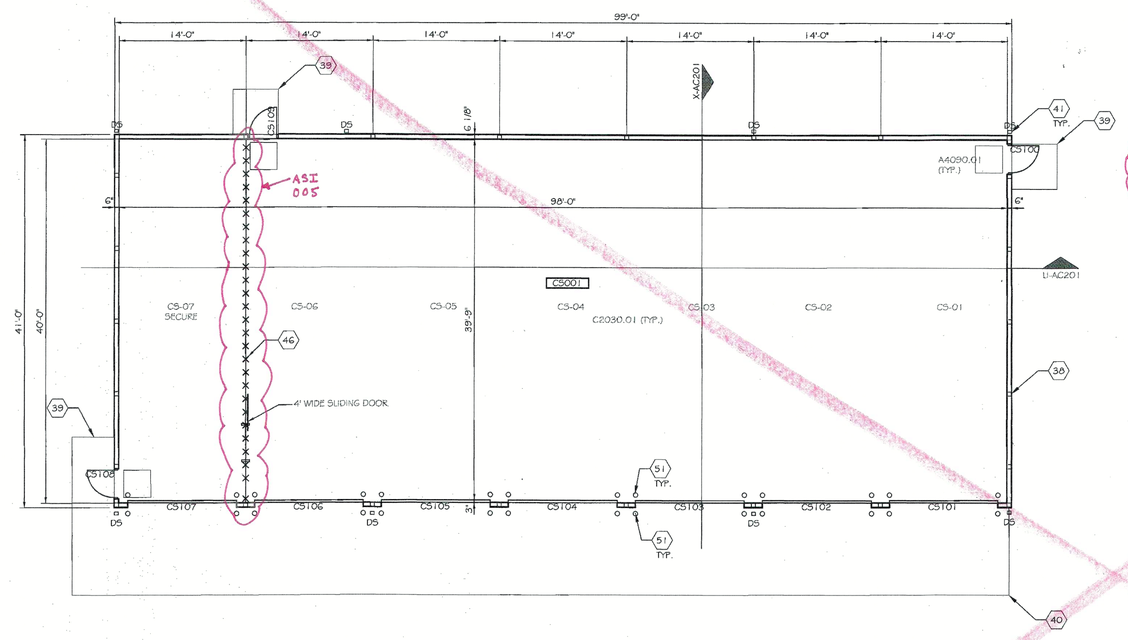
39 DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

41 3X4 DOWNSPOUT. (07 41 13.16).

ASI-005 46 WIRE MESH PARTITION (10 22 23). 7' H SLIDING DOOR WITH DOOR HARDWARE. ANCHOR TO FLOOR BELOW AND ROOF PURLINS ABOVE.

51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2X2'X6' (AND 3) GRADE A (SINGLE POUR) UNITS.

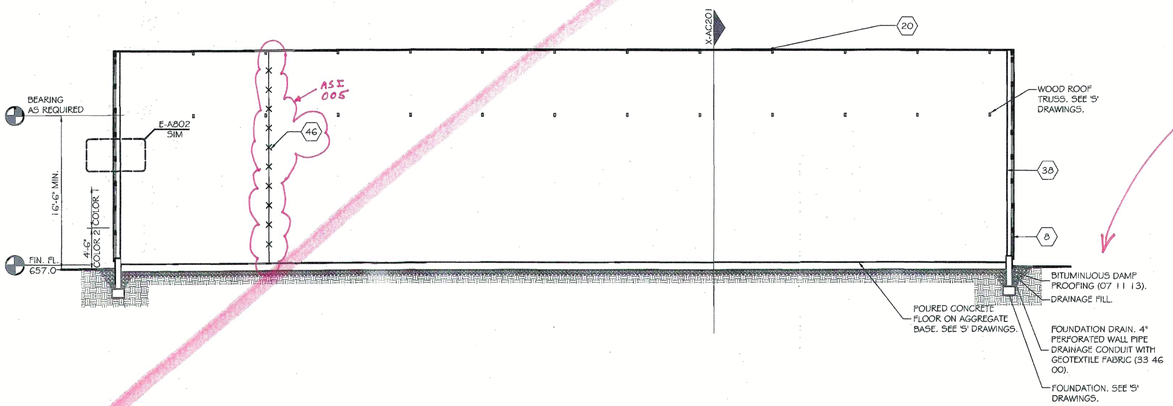


FOR MASONRY DIMESIONS SEE RFI #029

DETAIL K-AC201

0 8' NORTH

FLOOR PLAN COLD STORAGE BUILDING

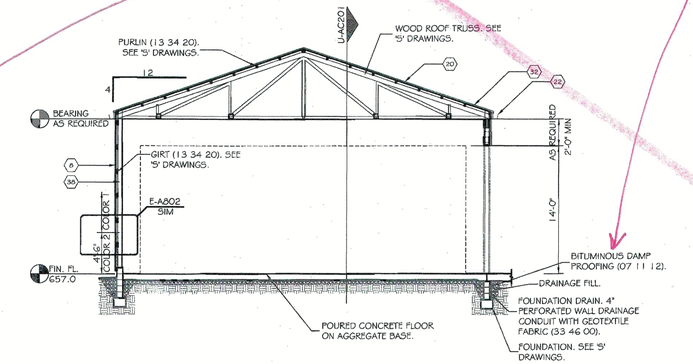


DETAIL U-AC201

0 8'

LONGITUDINAL SECTION COLD STORAGE BUILDING

Per Tom Converse on 8/6/14 Damp proofing to grade only; no 2" rigid nor protection board.



DETAIL X-AC201

0 8'

TRANSVERSE SECTION COLD STORAGE BUILDING

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc. RDI

STATE OF OHIO THOMAS I. CONVERSE 6425 REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS MAY 16, 2014

REVISED:

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COLD STORAGE

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 052

REQUEST FOR INFORMATION

TO: JGA
ATTN: Steve McClarren
EMAIL: smcclarren@jgaeng.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Cold Storage Door Threshold

DATE: 27-Aug-14
PAGE: 1 of 4
DWG: N/A
SPEC: N/A

Please see attached confirming RFI.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 29-Aug-14
DISTRIBUTION: File, Field, Steve McClarren

REPLY (RETURN THIS SHEET WITH REPLY):
Confirming detail applies to threshold at Cold Storage overhead doors.

DATE OF REPLY: 8/27/2014 **SIGNED:** Steve McClarren - Jezerinac Geers & Assoc.

FINAL DISTRIBUTION: File, Field

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 051

REQUEST FOR INFORMATION

TO: RDI
ATTN: Tom Converse
EMAIL: tconverse@rdicolumbus.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Cold Storage Guard Rails

DATE: 25-Aug-14
PAGE: 1 of 1
DWG: AC201, AC202
SPEC: 412323

Please see attached RFI.

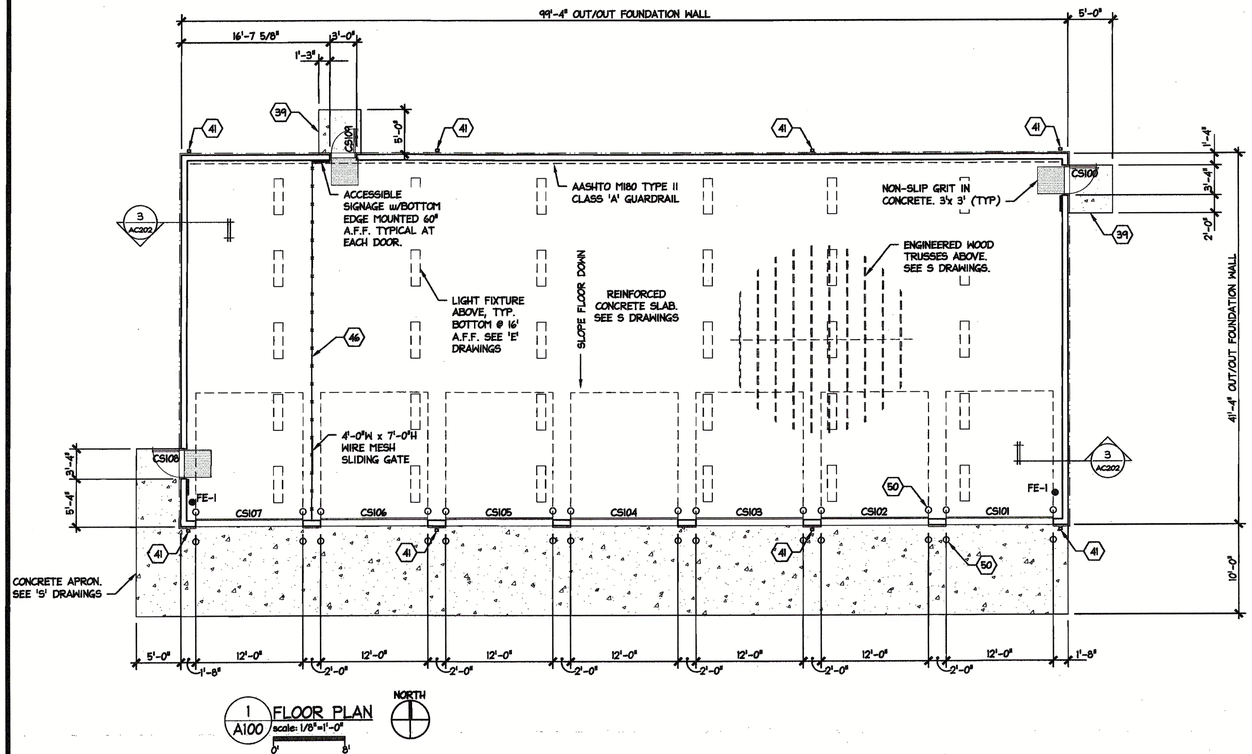
1). How will guardrail be attached to wall or vertical support? It looks like it may be a wood support (2 x 8). Maybe attached with lag bolts?
2). What kind of end treatments do they need? Buffered Ends or Flared Ends? Flared ends will need at least 10" from face of rail to the back of any obstruction. Buffered ends will need twice that.
3). Is guardrail nested or is it just a single rail?
4). What is the spacing on the vertical supports?
5). Will domestic certification and/or TE-24's be required for material?
6). It looks like two runs of guardrail. Drawing calls for guardrail between the CS109 door opening and the wire mesh partition?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 27-Aug-14
DISTRIBUTION: File, Field, Steve McClarren

REPLY (RETURN THIS SHEET WITH REPLY):
8/25/2014
1. FASTEN GUARDRAIL 3'-0" AFF CENTER WITH 1/4" BOLTS 3" LONG WITH WASHERS BOTH SIDES 6'-3" ON CENTER TO 2X4 BLOCKING BETWEEN STUDS. (WE EXPECT GUARDRAIL TO HAVE PRE-PUNCHED SLOTS FOR 1/4" DIAMETER FASTENERS 6'-3" ON CENTER).
2. NO END FITTINGS REQUIRED. PROVIDE 12'-6" SECTION (13'-6-1/2" LONG) CENTERED BETWEEN WEST END AND WIRE MESH PARTITION AND THREE 25' LONG SECTIONS (TOTAL 76'-1/2" LONG) EAST OF DOOR CS109.
3. A SINGLE GUARDRAIL IS REQUIRED.
4. SEE '1.' ABOVE.
5. COMPLY WITH GENERAL CONDITIONS DOMESTIC CERTIFICATION REQUIREMENTS.
6. SEE '2.' ABOVE

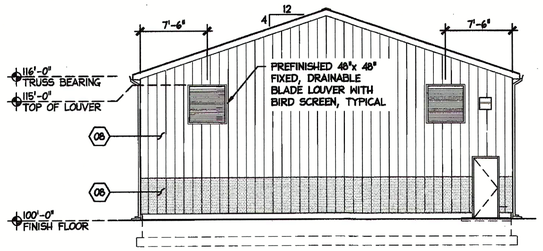
DATE OF REPLY: 8/25/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

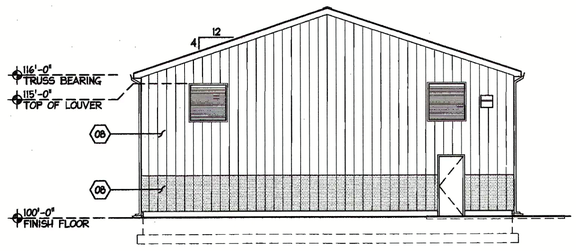


1 A100 FLOOR PLAN
scale: 1/8"=1'-0"

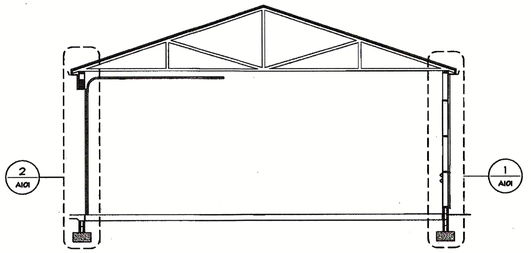
NORTH



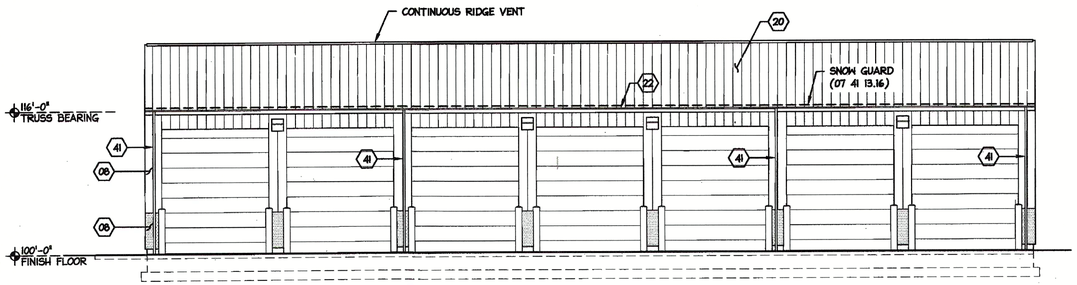
2 AC201 WEST ELEVATION
scale: 1/8"=1'-0"



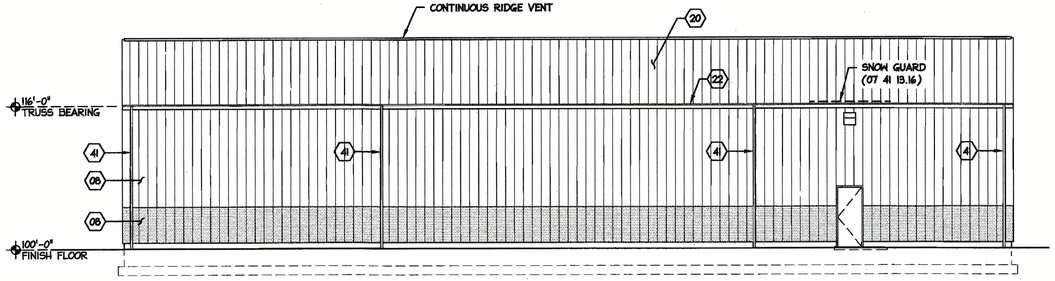
3 AC201 EAST ELEVATION
scale: 1/8"=1'-0"



6 AC201 TRANSVERSE BUILDING SECTION
scale: 1/8"=1'-0"



4 AC201 SOUTH ELEVATION
scale: 1/8"=1'-0"



5 AC201 NORTH ELEVATION
scale: 1/8"=1'-0"

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THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc. RDI

STATE OF OHIO
THOMAS L. CONVERSE 6425
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ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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JUNE 10, 2014

REVISED:
AUGUST 8, 2014

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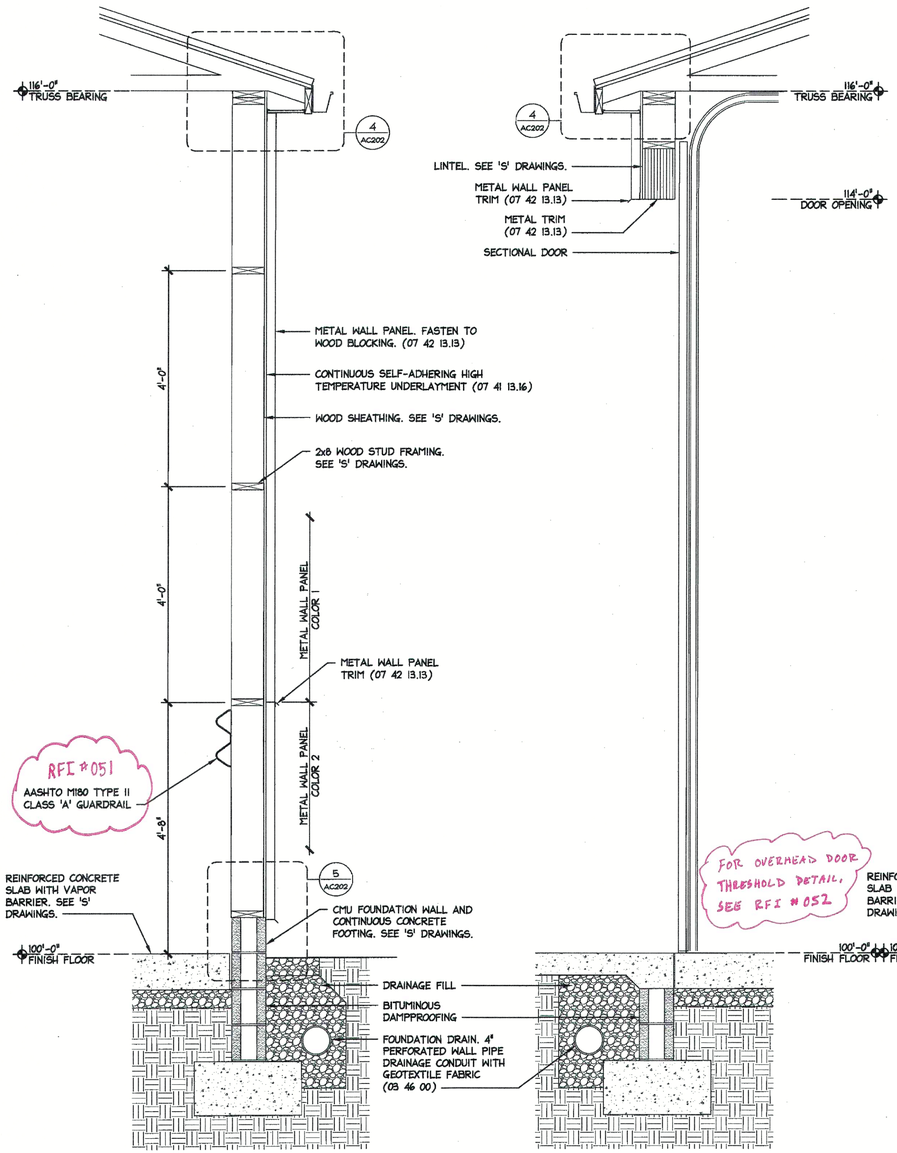
COLD STORAGE



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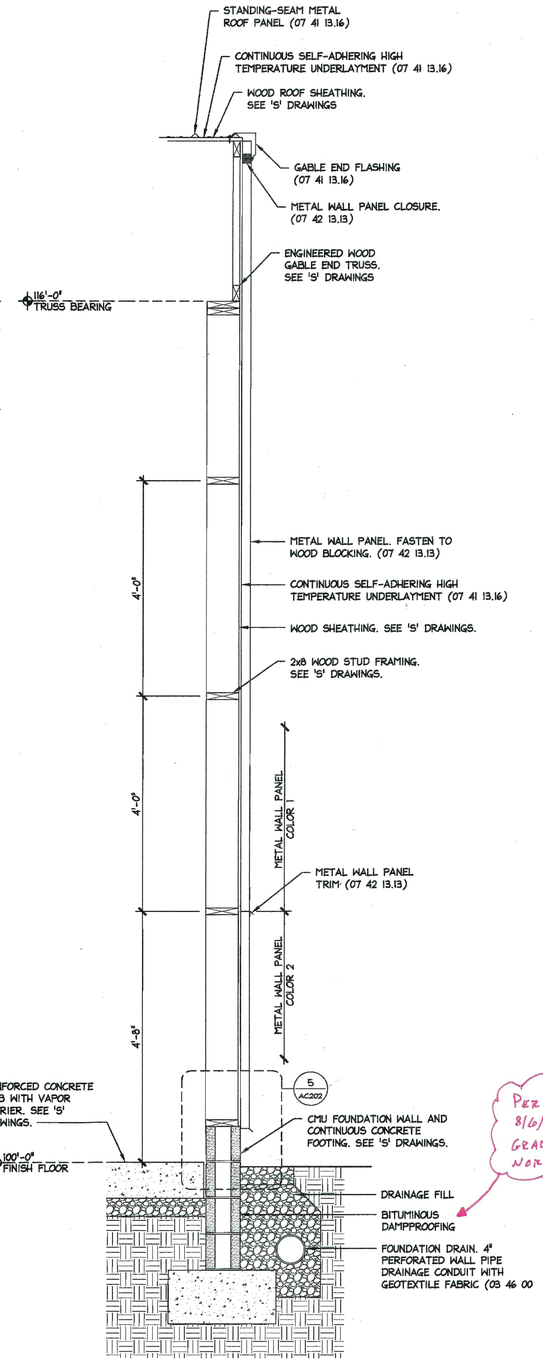
2 AC202 WALL SECTION scale: 3/4"=1'-0"



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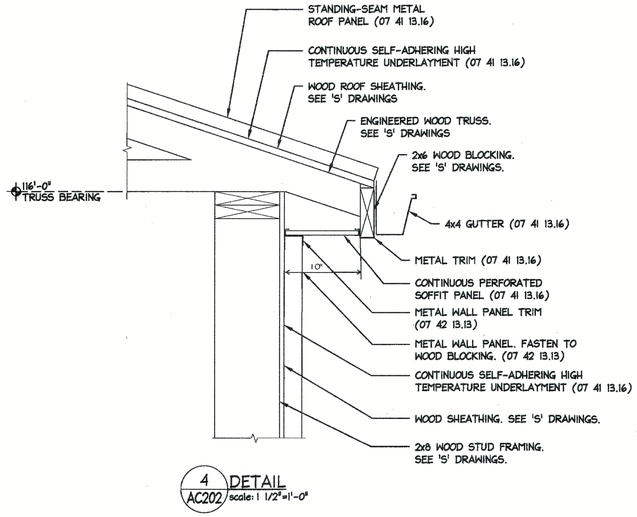
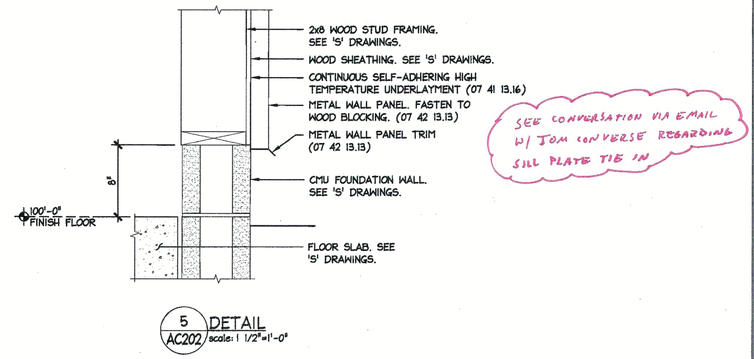
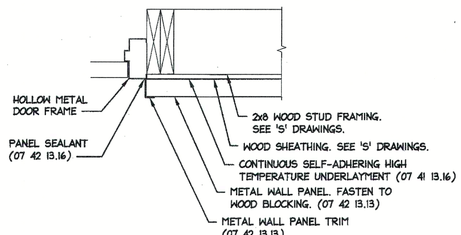


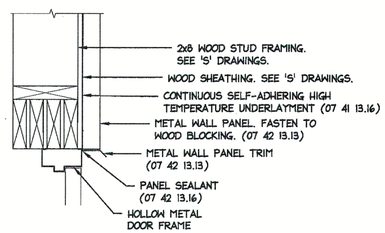
4 AC202 DETAIL scale: 1 1/2"=1'-0"



5 AC202 DETAIL scale: 1 1/2"=1'-0"



6 AC202 TYPICAL DOOR JAMB scale: 1 1/2"=1'-0"



7 AC202 TYPICAL DOOR HEAD scale: 1 1/2"=1'-0"

THOMAS & MARKER CONSTRUCTION

RDI Responsive Design, Inc.

STATE OF OHIO
THOMAS I. CONVERSE 6425
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STATE OF OHIO DEPARTMENT OF COMMERCE
DIVISION OF INDUSTRIAL COMPLIANCE
BUILDING CODE COMPLIANCE

REVISED
AUGUST 8, 2014

Final Plan Approval
Examiner: F. Brown
CPA 2014021053
8/18/2014

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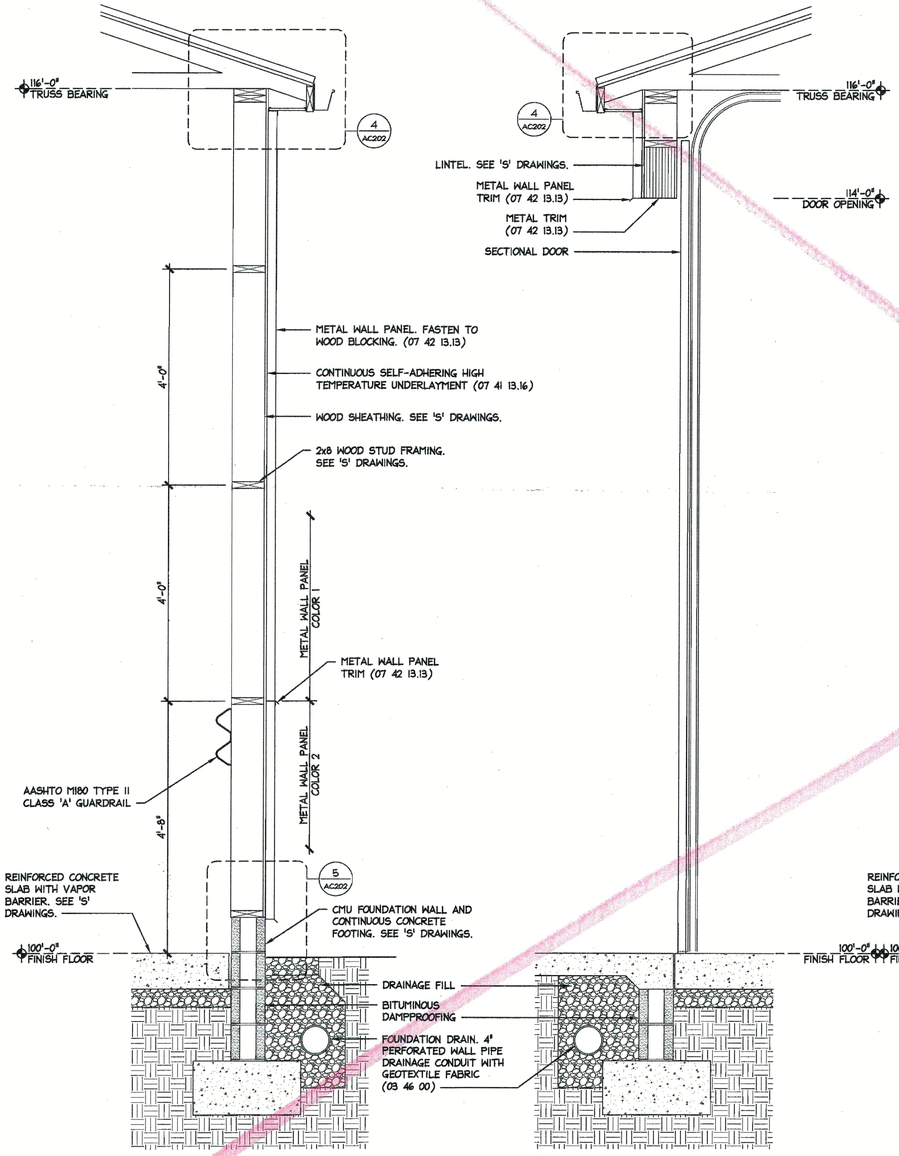
AC202

COLD STORAGE



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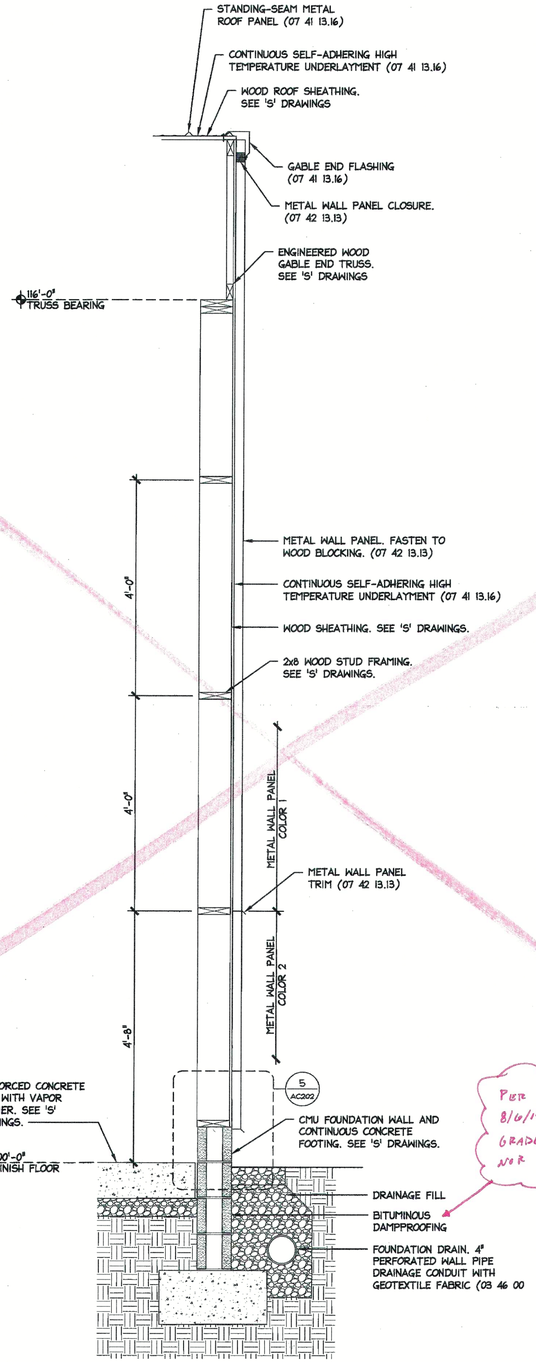
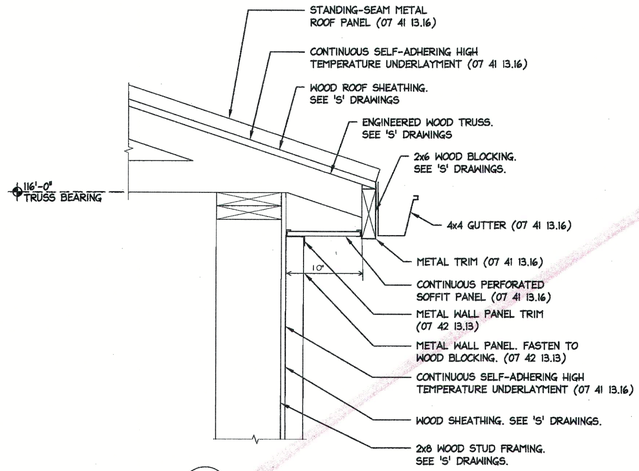
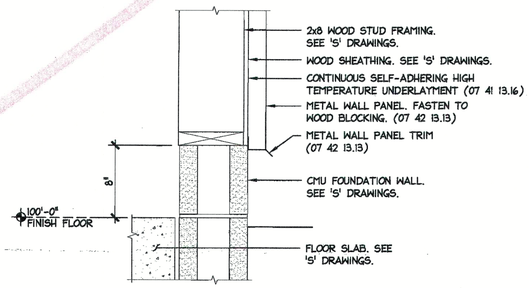


3 AC202 WALL SECTION scale: 3/4"=1'-0"

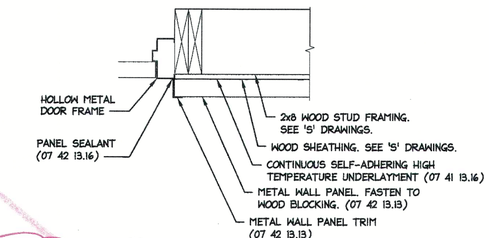
PER TOM CONVERSE ON 8/6/14, DAMP PROOFING TO GRADE ONLY, NO 2" RIGID NOR PROTECTION BOARD



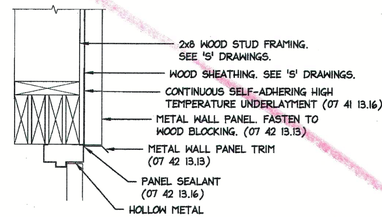
4 AC202 DETAIL scale: 1 1/2"=1'-0"



5 AC202 DETAIL scale: 1 1/2"=1'-0"



6 AC202 TYPICAL DOOR JAMB scale: 1 1/2"=1'-0"



7 AC202 TYPICAL DOOR HEAD scale: 1 1/2"=1'-0"

THOMAS & MARKER CONSTRUCTION

RDI

STATE OF OHIO
THOMAS I. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 10, 2014

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AUGUST 8, 2014

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AC202

COLD STORAGE

CODED NOTES

(08) METAL WALL PANEL (07 42 13.13)

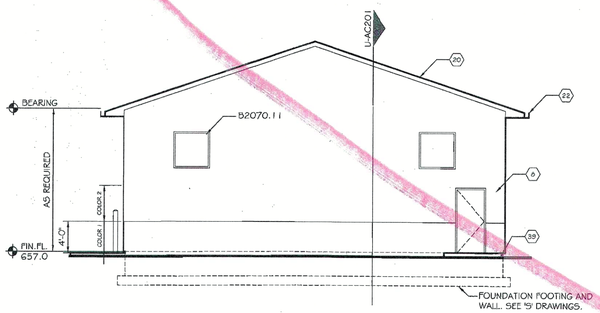
(20) STANDING SEAM METAL ROOF PANEL ON WOOD ROOF SHEATHING (07 41 13.16). SEE 'S' DRAWINGS

(22) 4X4 GUTTER (16 SQUARE INCHES). (07 41 13.16)

(39) DOOR STOOP. 4" THICK CONCRETE WIDTH OF DOOR FRAME PLUS 2'-0" BY 5'-0". PROVIDE 8" THICK EDGES TURNED DOWN 42" BELOW FINISH GRADE. PROVIDE #5 STEEL REINFORCING DOWELS TO FLOOR SLAB 2'-0" LONG 12" ON CENTER AT DOOR OPENINGS.

(41) 3X4 DOWNSPOUT. (07 41 13.16).

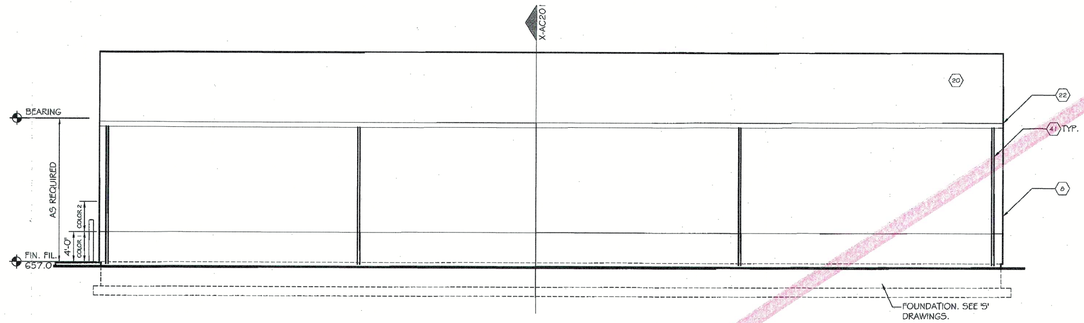
(51) LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2X2X6' (AND 3') GRADE A (SINGLE POUR) UNITS.



DETAIL F-AC202

0 8'

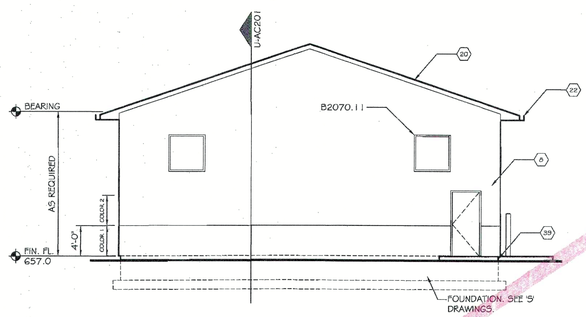
EAST ELEVATION COLD STORAGE BUILDING



DETAIL H-AC202

0 8'

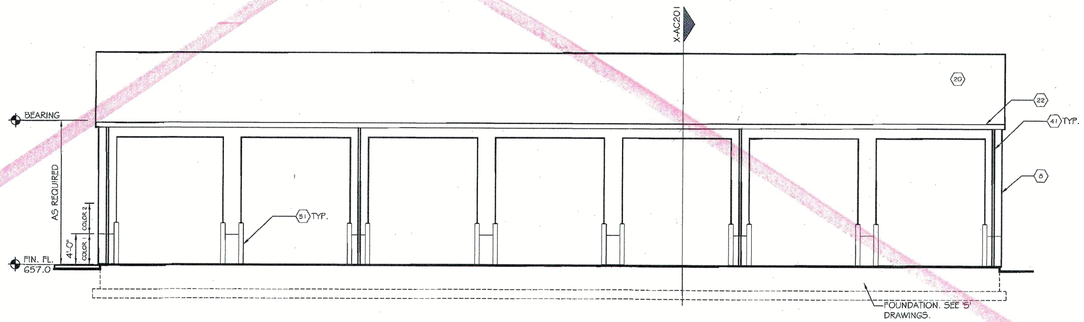
NORTH ELEVATION COLD STORAGE BUILDING



DETAIL P-AC202

0 8'

WEST ELEVATION COLD STORAGE BUILDING



DETAIL R-AC202

0 8'

SOUTH ELEVATION COLD STORAGE BUILDING

THOMAS & MARKER CONSTRUCTION

Renaweau Design, Inc. RDI

STATE OF OHIO
THOMAS L CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
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COLD STORAGE BUILDING EXTERIOR ELEVATIONS

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-010**
		Date of Issue:	August 22, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:
Material Storage and Salt Storage Fill Line

Stripe required on plan added to section. Please see Sheet AM201 revised August 22, 2014 and Sheet AS201 revised August 22, 2014.

Attachments:
AM201 revised August 22, 2014
AS201 revised August 22, 2014

Issued by

Renouveau Design, Inc. Thomas I. Converse Date

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 035

REQUEST FOR INFORMATION

TO:	RDI Architects & JGA	**DATE:**	15-Aug-14
ATTN:	Tom Converse & Steve McClarren	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com; smcclarren@i	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Material Storage SOG		

Please see attached RFI and confirm.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 18-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

8/16/2014
MATERIAL STORAGE
FLOOR SHOULD SLOPE DOWN FROM OPEN SIDE 4" IN 6' THEN BACK UP TO CLOSED SIDE.
GRADE AT OPEN SIDE REMAINS 651.0.
CHANGE 649.66 TO 650.66 (6' FROM OPEN SIDE).
CHANGE 650.92 TO 650.95 (AT CORNERS OF CLOSED SIDE).
TRUCK STORAGE
I ALSO CHECKED TRUCK STORAGE.
CHANGE TOP OF TRENCH DRAIN FROM 656.62 TO 656.89 (PERIMETER OF LOWER SLAB IS 656.0).
SALT STORAGE - I ALSO CHECKED SALT STORAGE AND IT IS OKAY.

DATE OF REPLY: 8/16/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 008A

REQUEST FOR INFORMATION

TO:	Sands Decker	**DATE:**	30-Jun-14
ATTN:	Jason Stevens	**PAGE:**	1 of 1
EMAIL:	Jstevens@sandsdeckercps.com	**DWG:**	Material Storage Bldg - Drawing
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Material Storage Bldg		

Please see below RFI from our Site contractor.

This all has to do with the discrepancy of the building dimensions. The foundation plan calls out the 95.67' using that number compared to the 89.67'on the civil drawings it pushes the building another 6' the grade at the one corner will be as shown because of pushing the building out the 6'. The grade at the Northeast corner of the building will be 647.80 as shown exposing part of the foundation.

Please advise as soon as possible

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 30-Jul-14

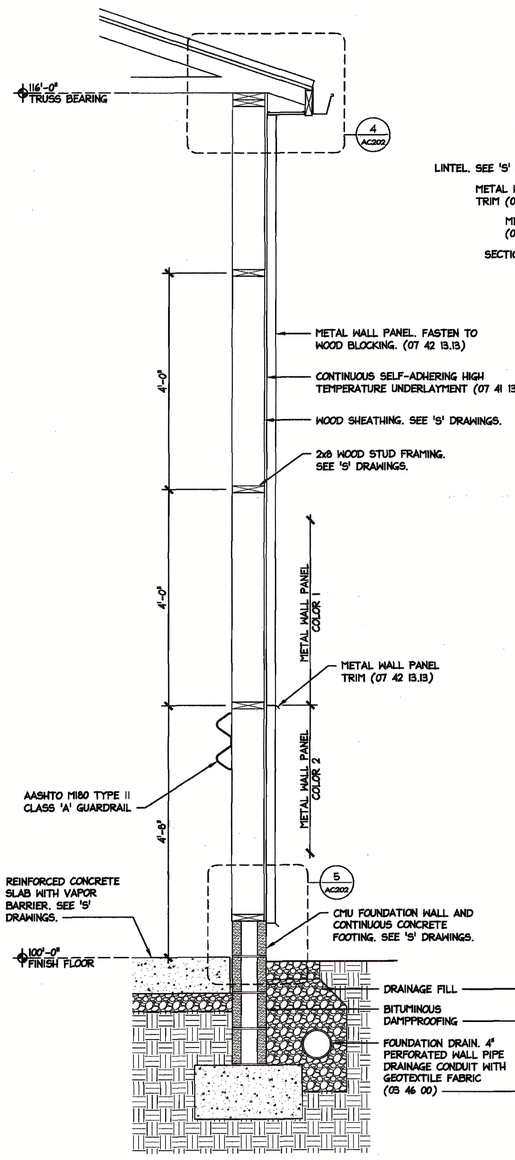
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

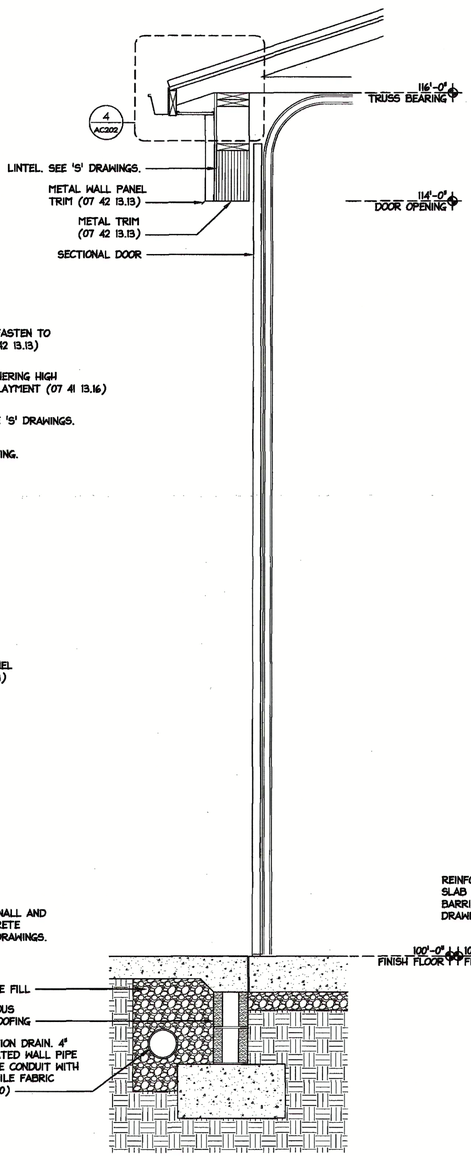
It has been determined the dimensions of the material storage building shall be 86'-0" long x 34'-0" wide. This should alleviate any grading issues.

DATE OF REPLY: 7-2-14 **SIGNED:** Jason Stevens

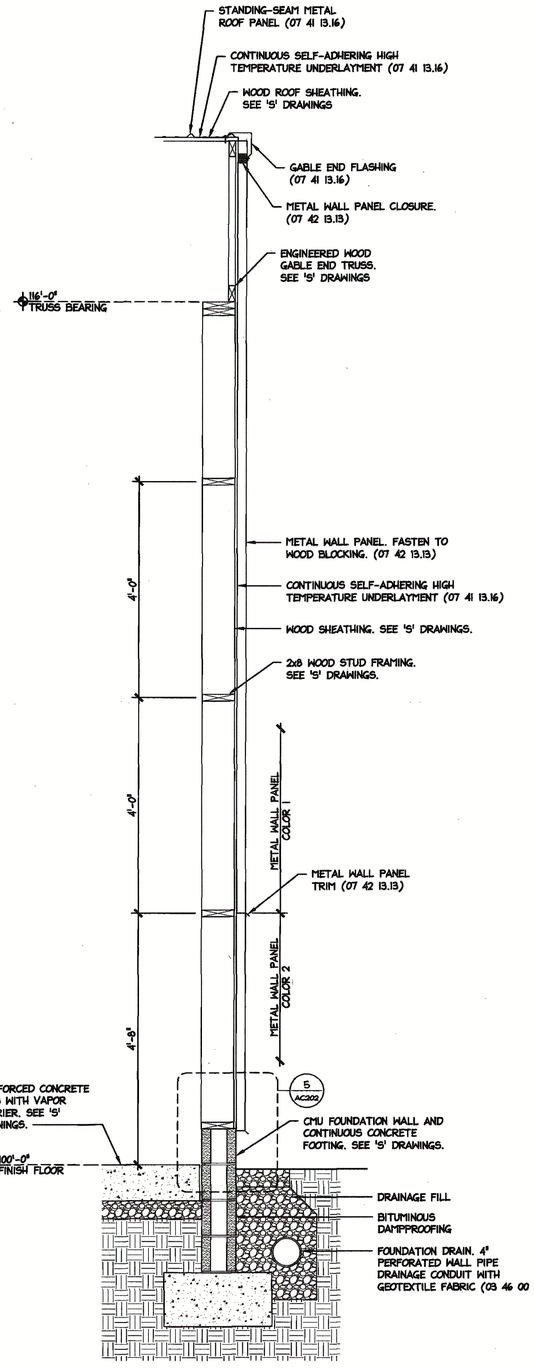
FINAL DISTRIBUTION: File, Field



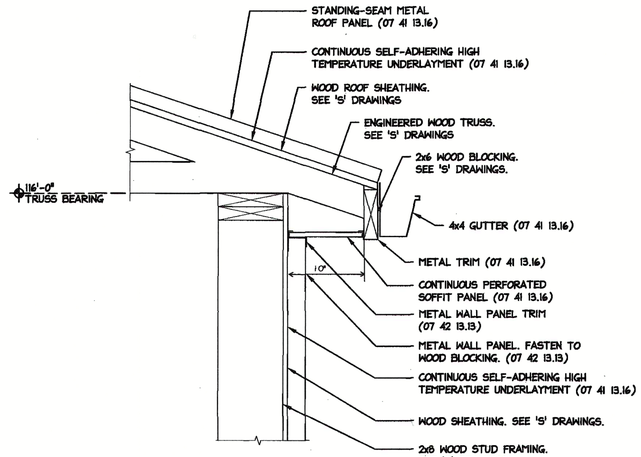
1 AC202 WALL SECTION scale: 3/4"=1'-0"



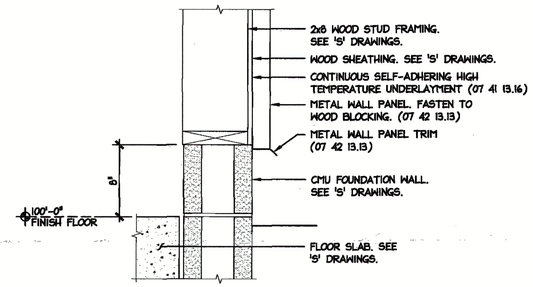
2 AC202 WALL SECTION scale: 3/4"=1'-0"



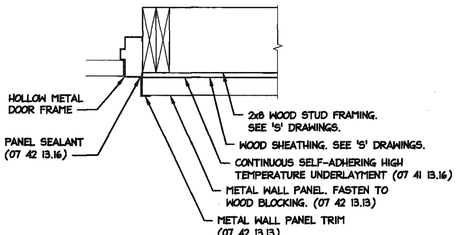
3 AC202 WALL SECTION scale: 3/4"=1'-0"



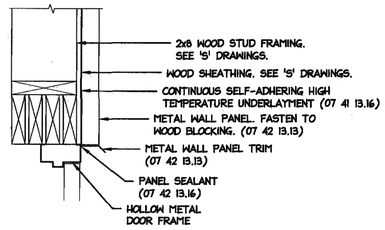
4 AC202 DETAIL scale: 1 1/2"=1'-0"



5 AC202 DETAIL scale: 1 1/2"=1'-0"



6 AC202 TYPICAL DOOR JAMB scale: 1 1/2"=1'-0"



7 AC202 TYPICAL DOOR HEAD scale: 1 1/2"=1'-0"

THOMAS & MARKER CONSTRUCTION

Resource Design, Inc. RDI

STATE OF OHIO
THOMAS L. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

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AUGUST 8, 2014

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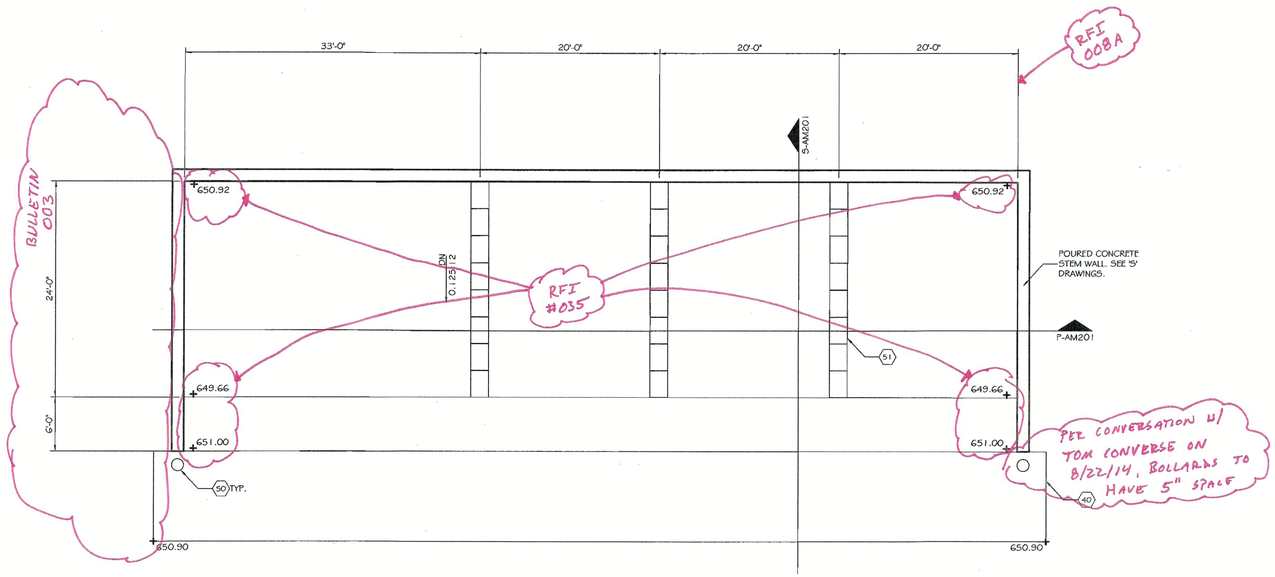
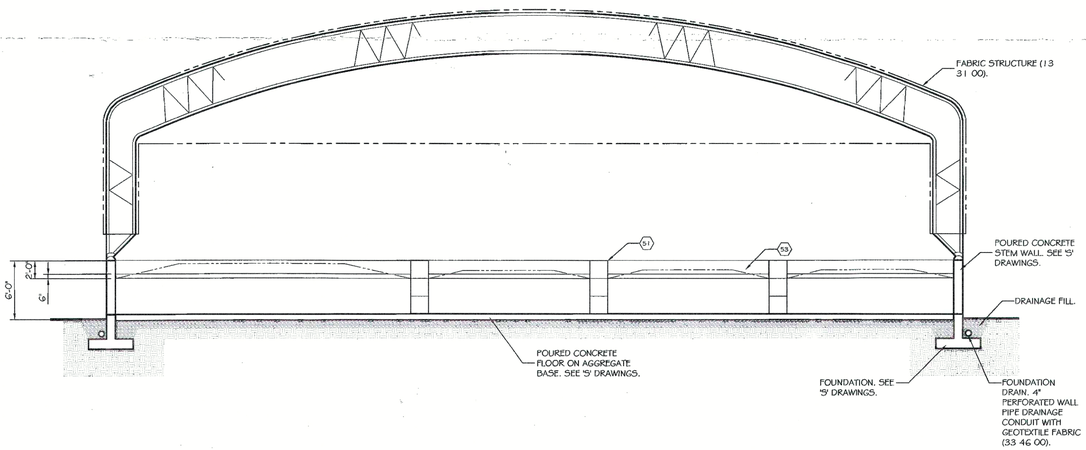
COLD STORAGE



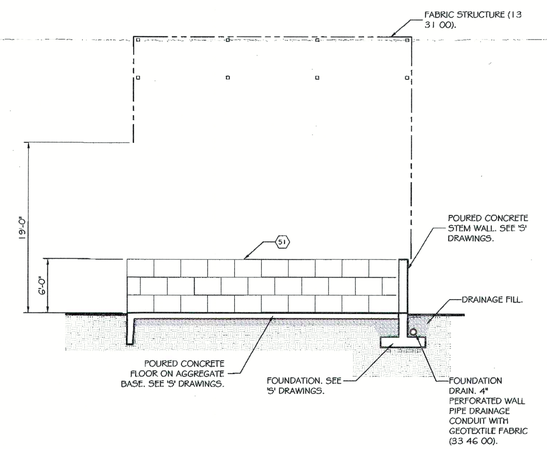
DETAIL F-AM201 0 8'

FLOOR PLAN MATERIAL STORAGE BUILDING



DETAIL P-AM201 0 8'

LONGITUDINAL SECTION MATERIAL STORAGE BUILDING



DETAIL S-AM201 0 8'

TRANSVERSE SECTION MATERIAL STORAGE BUILDING

CODED NOTES

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2'X2'X6' (AND 3') GRADE A (SINGLE POUR) UNITS.

53 MATERIAL FILL STRIPE. 6" HIGH HIGH-PERFORMANCE COATING STRIPE WITH BOTTOM 2' FROM TOP OF WALL. PAINT MPI-72 - PIGMENTED, ALIPHATIC, POLYURETHANE ENAMEL.

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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MATERIAL STORAGE

BULLETIN

Project:	DOT-130006 **ATHENS FULL SERVICE MAINTENANCE FACILITY**	Bulletin No.:	**003**
		Date of Issue:	7/25/2014 *Revised 7/28/2014*
Owner:	Ohio Department of Transportation	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker	Contract For:	Design-Build Contract
Contract Dated:		Architects' Project No.:	13301

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

MS Dimension Revisions

Change Sheet AM201 Revised 7/2/2014 to Sheet AM201 *Revised 7/28/2014.*
Detail F-AM201 - Revised building perimeter dimensions to conform with Structural Drawings.
Revised 7/28/2014 to conform to SM201 (width 34-feet-3-inches).

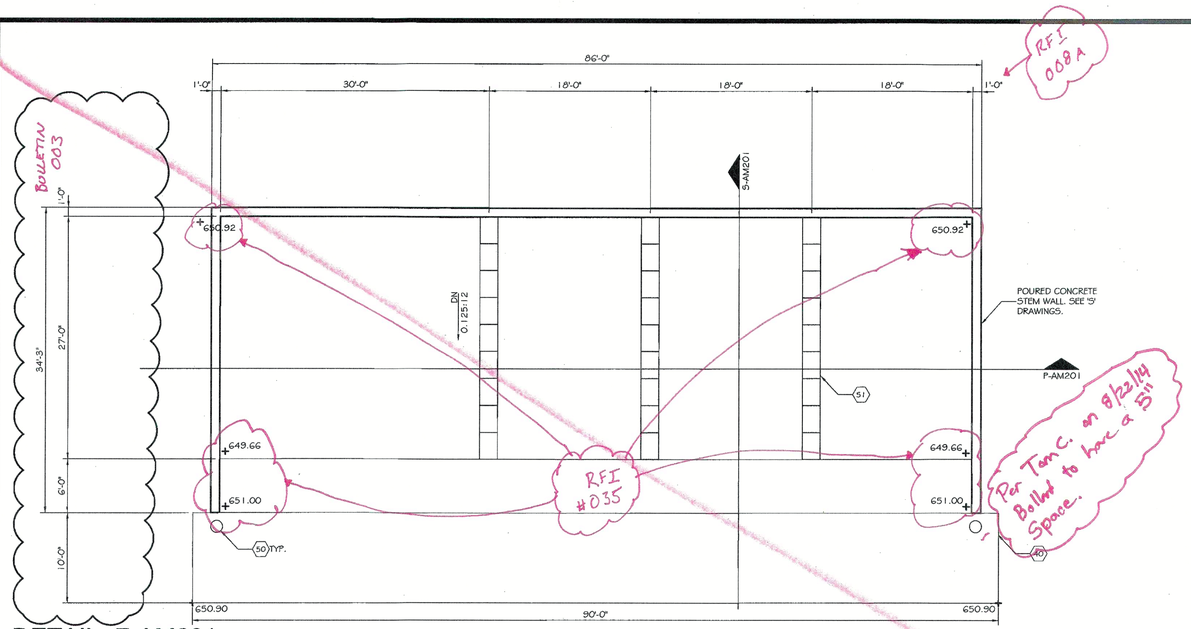
Change Sheet SM201 Revised 5/23/2014 to Sheet SM201 Revised 7/17/2014.
Material Storage Foundation Plan - Revised building perimeter dimensions.

Attachments:
13301 AM201 1407128
13301 SM201 140717

Submitted

Meg Ginther

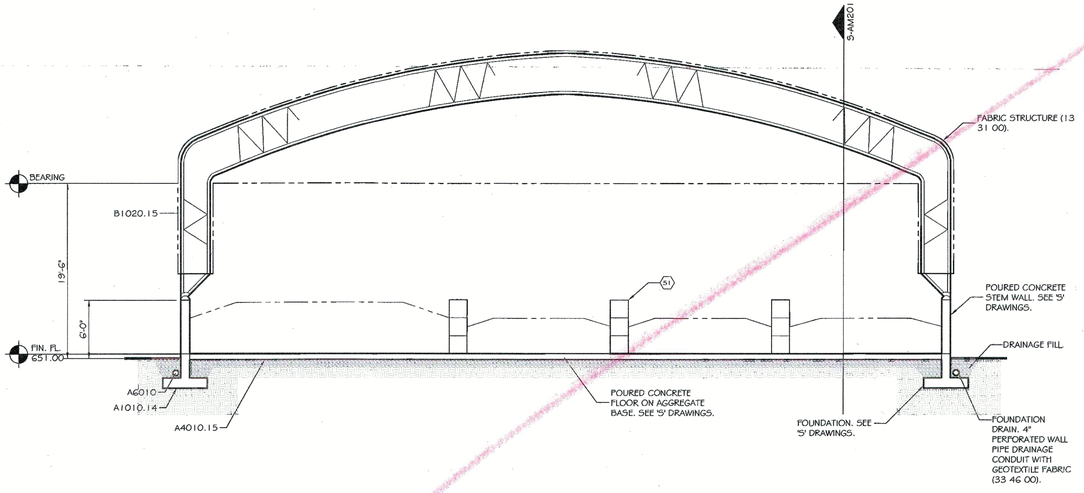
Renouveau Design, Inc.	Meg Ginther	July 28, 2014 Date



DETAIL F-AM201

0 8'

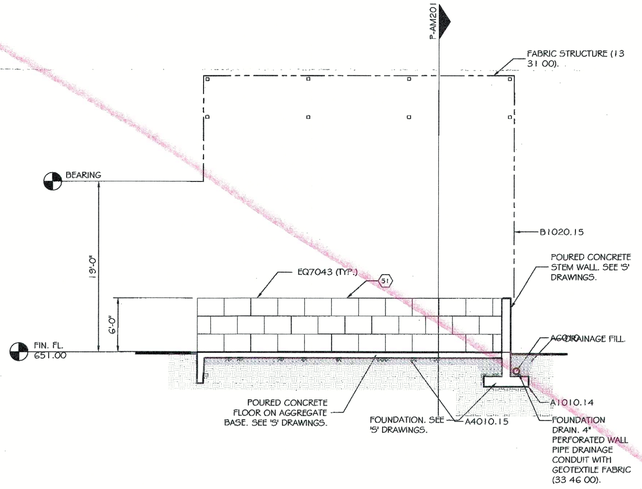
FLOOR PLAN MATERIAL STORAGE BUILDING



DETAIL P-AM201

0 8'

LONGITUDINAL SECTION MATERIAL STORAGE BUILDING



DETAIL S-AM201

0 8'

TRANSVERSE SECTION MATERIAL STORAGE BUILDING

CODED NOTES

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GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS R MARKER CONSTRUCTION

Resources Design, Inc.

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BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

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7/14/2014
7/28/2014

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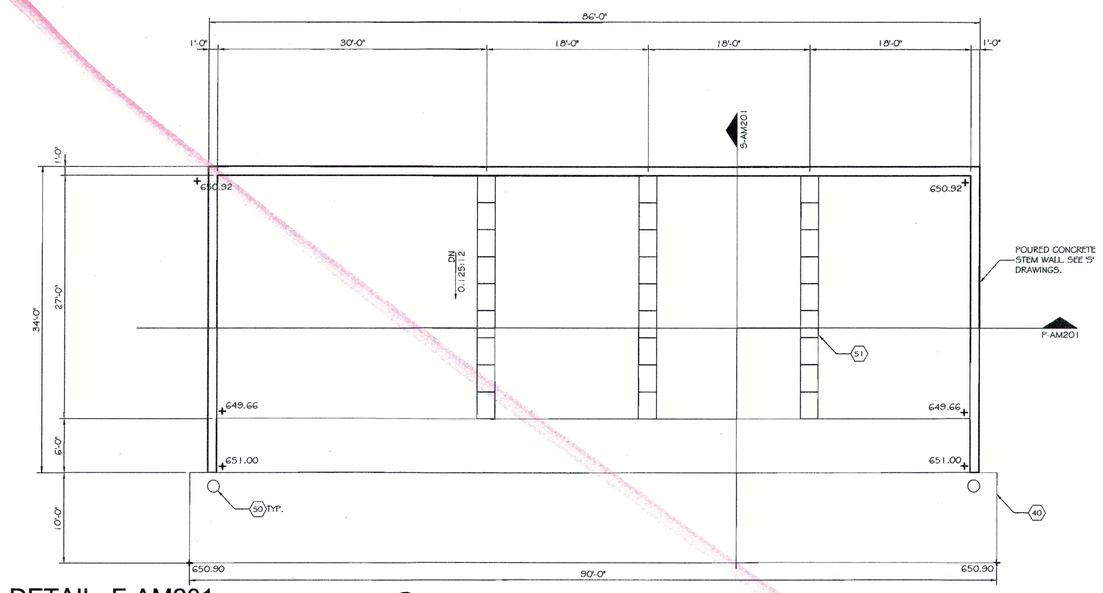
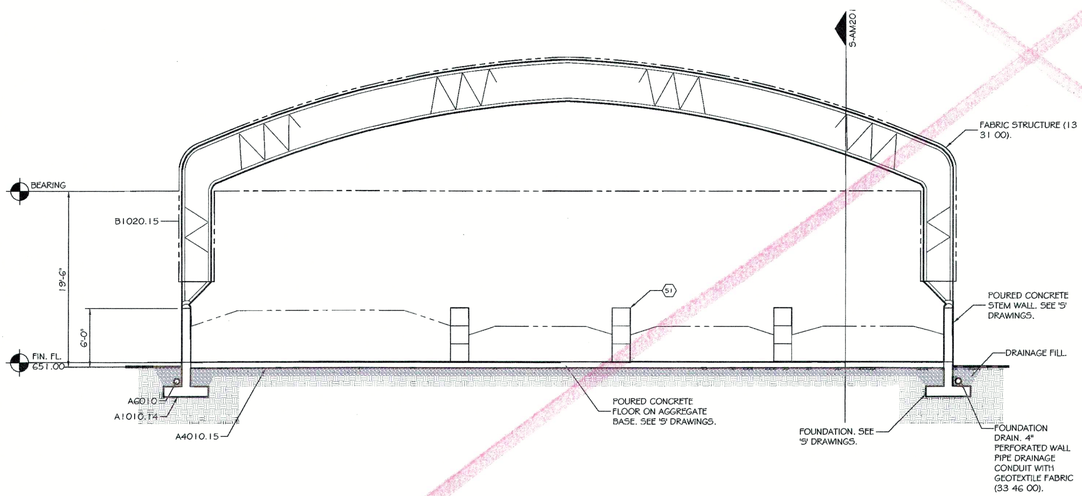


DETAIL F-AM201

0 8'

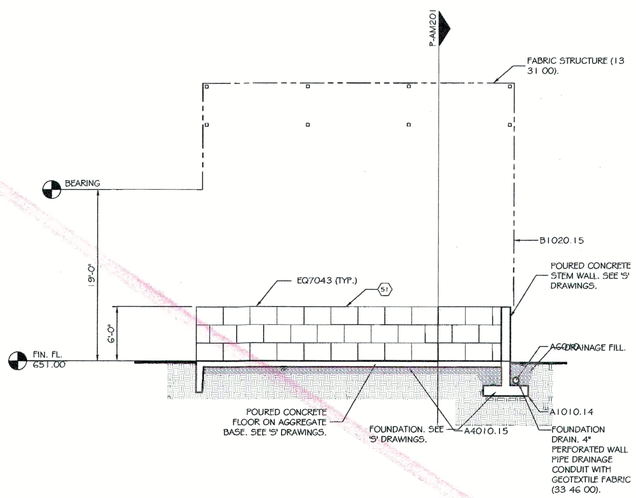
FLOOR PLAN MATERIAL STORAGE BUILDING



DETAIL P-AM201

0 8'

LONGITUDINAL SECTION MATERIAL STORAGE BUILDING



DETAIL S-AM201

0 8'

TRANSVERSE SECTION MATERIAL STORAGE BUILDING

CODED NOTES

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GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

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7/2/2014

Foundation updates

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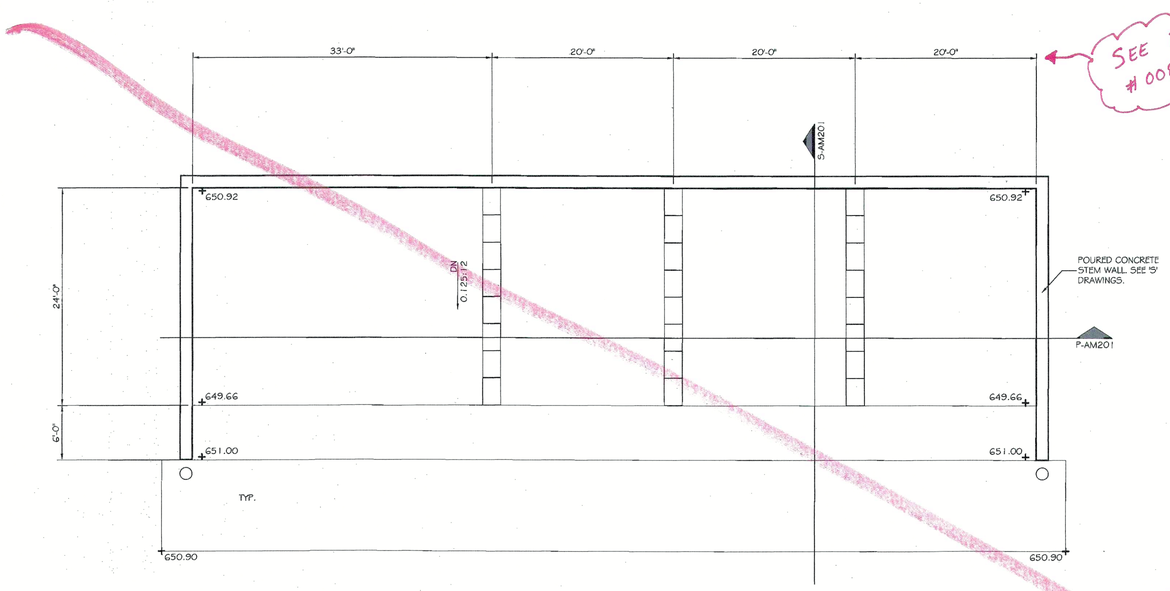
MATERIAL STORAGE

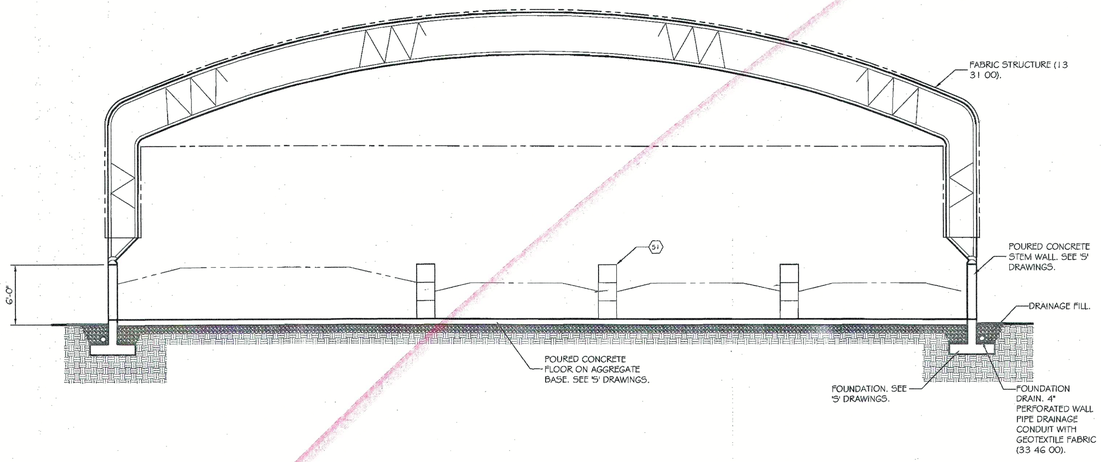


DETAIL F-AM201

0 8'

NORTH

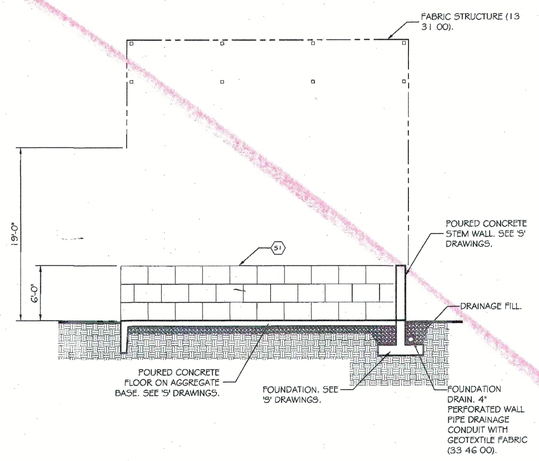
FLOOR PLAN MATERIAL STORAGE BUILDING



DETAIL P-AM201

0 8'

LONGITUDINAL SECTION MATERIAL STORAGE BUILDING



DETAIL S-AM201

0 8'

TRANSVERSE SECTION MATERIAL STORAGE BUILDING

CODED NOTES

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GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Resource Design, Inc. RDI

STATE OF OHIO
THOMAS I. CONVERSE
6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
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ATHENS FULL SERVICE MAINTENANCE FACILITY

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MAY 16, 2014

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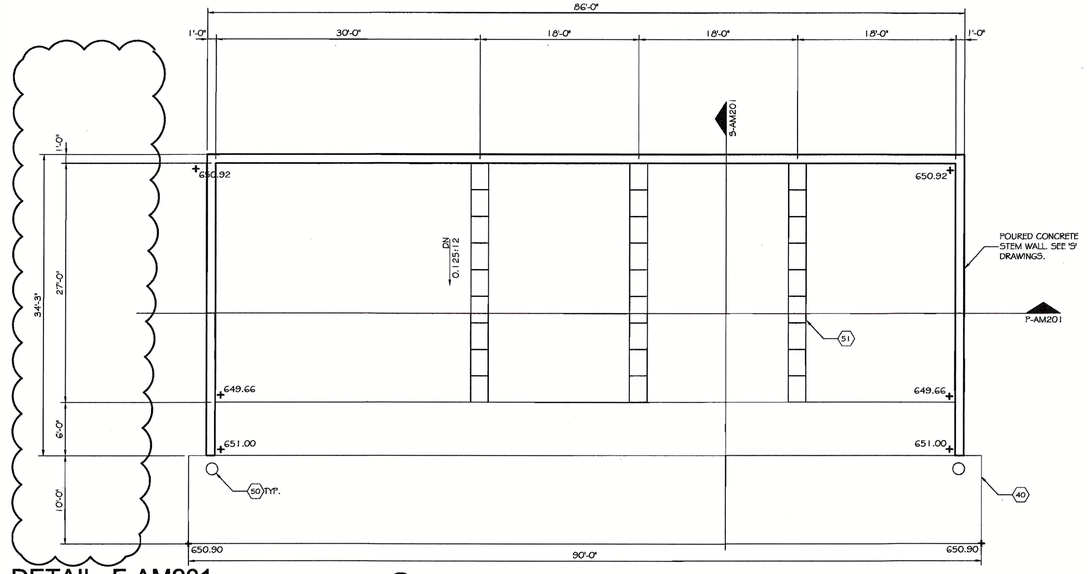
AM201

MATERIAL STORAGE

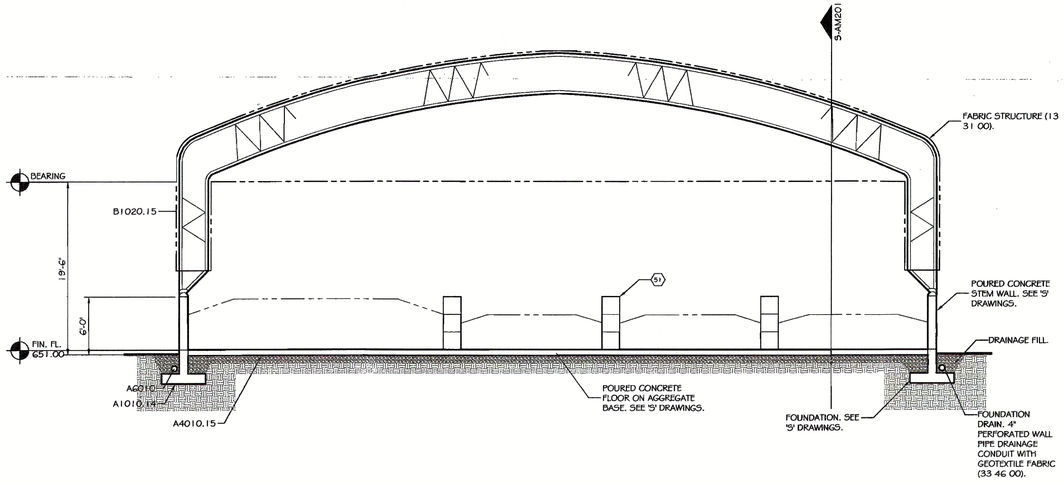


DETAIL F-AM201

FLOOR PLAN MATERIAL STORAGE BUILDING

0 8'

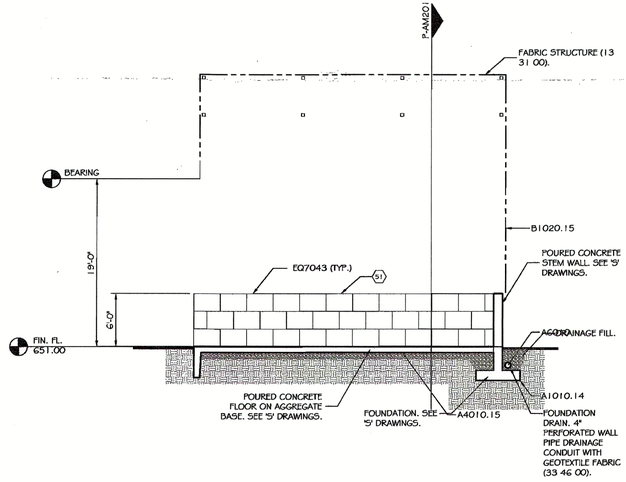
NORTH



DETAIL P-AM201

LONGITUDINAL SECTION MATERIAL STORAGE BUILDING

0 8'



DETAIL S-AM201

TRANSVERSE SECTION MATERIAL STORAGE BUILDING

0 8'

CODED NOTES

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2'X2'X6' (AND 3') GRADE A (SINGLE POUR) UNITS.

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

TM THOMAS & MARKER CONSTRUCTION

Renouveau Design, Inc.

RDI

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:
7/2/2014
7/14/2014
7/28/2014

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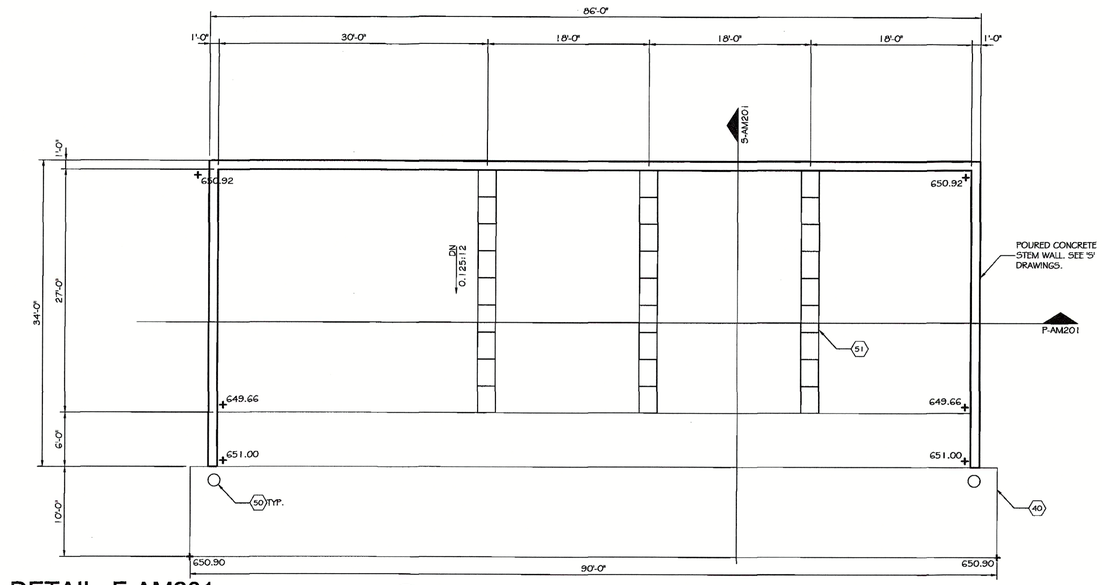
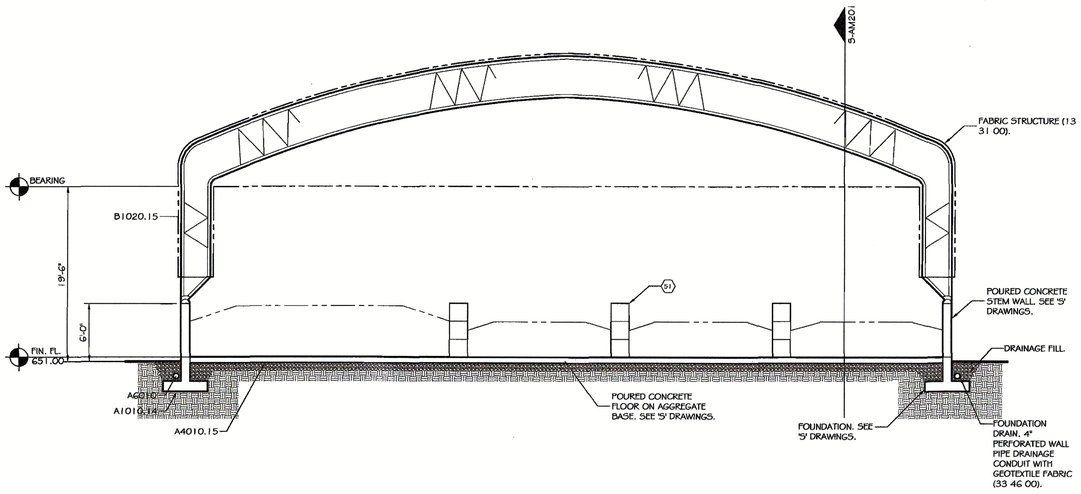
MATERIAL STORAGE



DETAIL F-AM201

0 8'

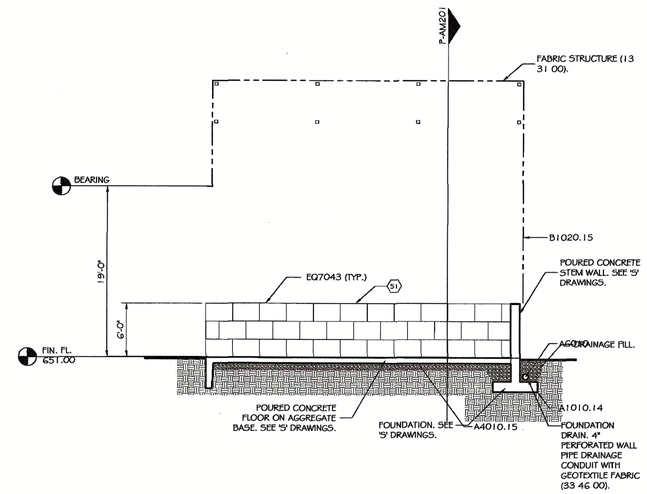
FLOOR PLAN MATERIAL STORAGE BUILDING



DETAIL P-AM201

0 8'

LONGITUDINAL SECTION MATERIAL STORAGE BUILDING



DETAIL S-AM201

0 8'

TRANSVERSE SECTION MATERIAL STORAGE BUILDING

CODED NOTES

40 APRON. PROVIDE CONCRETE APRON WIDTH OF DOOR(S) PLUS 2'-0" AND EXTENDING 10'-0" FROM BUILDING. SEE 'S' DRAWINGS.

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2'X2'X6' (AND 3') GRADE A (SINGLE FOUR) UNITS.

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc. RDI

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE
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700 WEST UNION STREET, ATHENS, OHIO

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JUNE 18, 2014

REVISED:
7/2/2014

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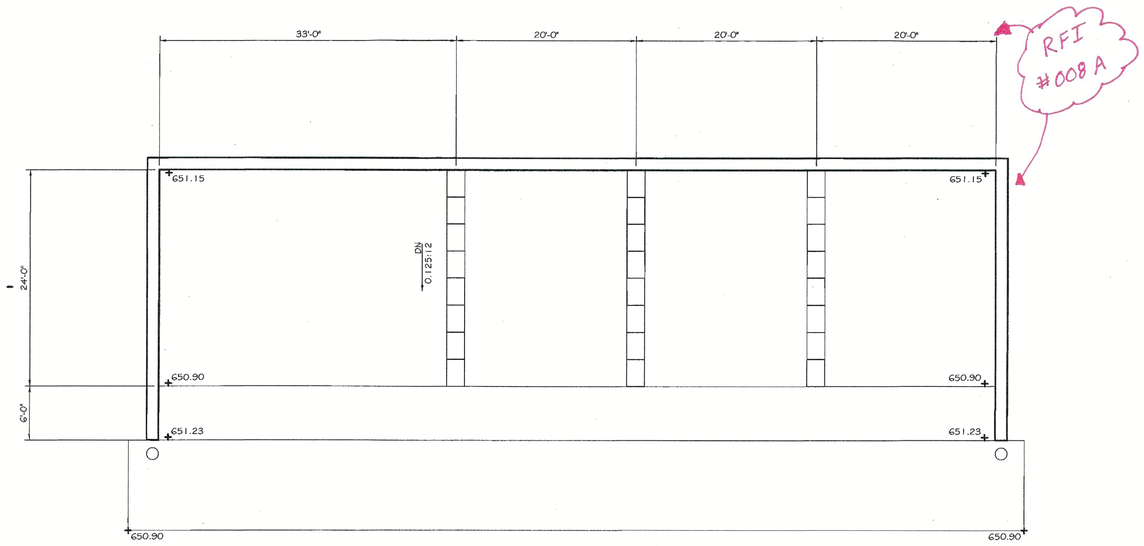
AM201

MATERIAL STORAGE



DETAIL F-AM201 0 8'

FLOOR PLAN MATERIAL STORAGE BUILDING

NORTH

THOMAS & MARKER CONSTRUCTION

Resource Design, Inc.

RDI

STATE OF OHIO
THOMAS L. CONVERSE 6425
REGISTERED ARCHITECT

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

REVISED:

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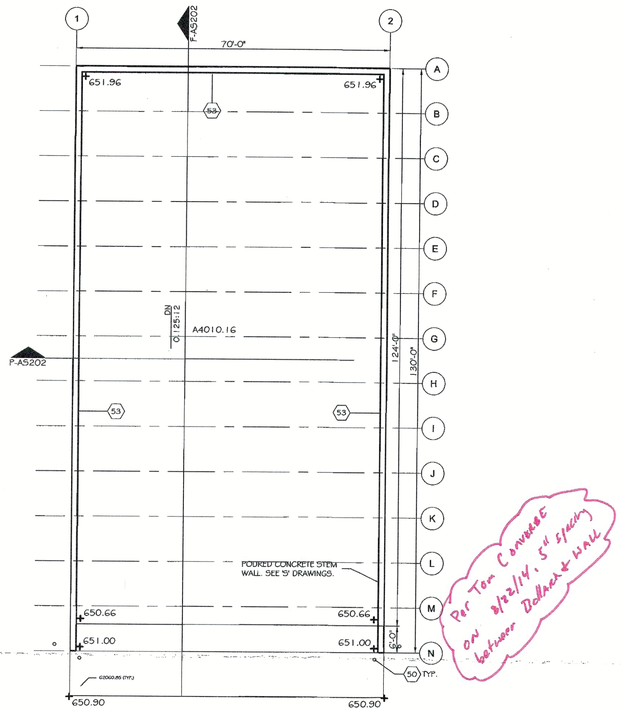
AM201

MATERIAL STORAGE

CODED NOTES

50 PIPE BOLLARD (05 50 00). SEE DETAIL X-AF201. ALIGN CL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL.

53 MATERIAL FILL STRIPE. 6" HIGH HIGH-PERFORMANCE COATING STRIPE WITH BOTTOM 2' FROM TOP OF WALL. PAINT MPI-72 - PIGMENTED, ALIPHATIC, POLYURETHANE ENAMEL.

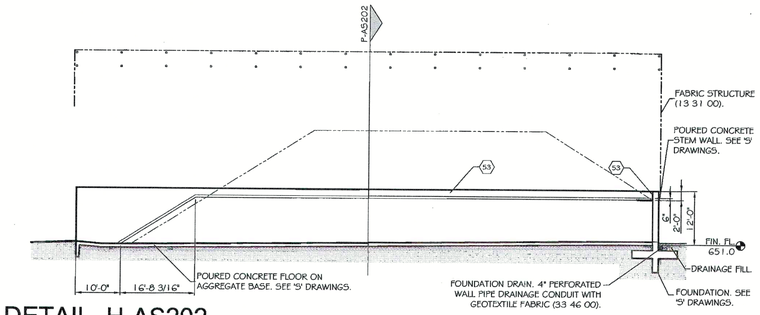


Per Tom Converse on 8/22/14, 5" spacing between Bollard & Wall

DETAIL K-AS201

0 16'

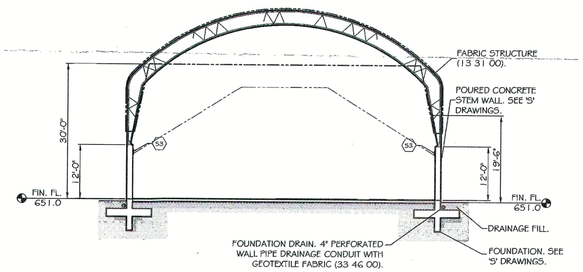
FLOOR PLAN SALT STORAGE BUILDING



DETAIL H-AS202

0 16'

LONGITUDINAL BUILDING SECTION SALT STORAGE BUILDING



DETAIL R-AS202

0 16'

TRANSVERSE BUILDING SECTION AND SOUTH ELEVATION SALT STORAGE BUILDING

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

CONFORMED DOCUMENTS
JUNE 18, 2014

REVISED:

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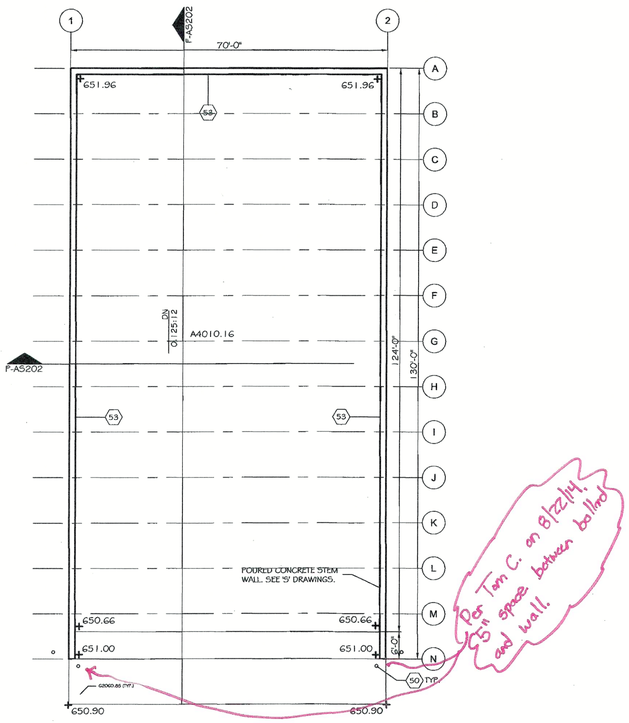
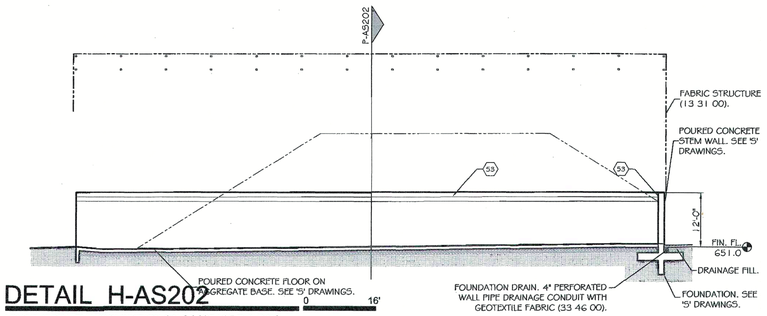
SALT STORAGE



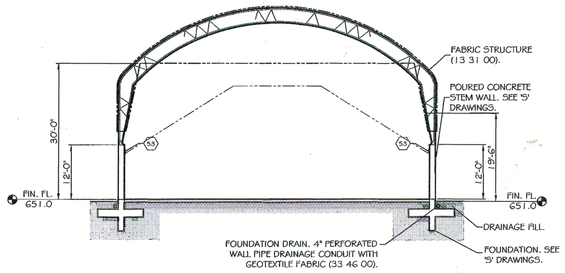
DETAIL K-AS201 0 16'

FLOOR PLAN SALT STORAGE BUILDING



DETAIL H-AS202 0 16'

LONGITUDINAL BUILDING SECTION SALT STORAGE BUILDING



DETAIL R-AS202 0 16'

TRANSVERSE BUILDING SECTION AND SOUTH ELEVATION SALT STORAGE BUILDING

CODED NOTES

50 O. POURED CONCRETE SALT STORAGE SLAB, 8", SILICA-FUME, STOVY COATED REINFORCING. ALIGN GL OF BOLLARD TO EDGE OF OPENING AND 1'-2" FROM FACE OF WALL. G2060.85 STEEL PIPE BOLLARDS

53 MATERIAL FILL STRIPE. 12" HIGH HIGH-PERFORMANCE COATING STRIPE WITH BOTTOM 2' FROM TOP OF WALL. PAINT MPI-72 - PIGMENTED, ALIPHATIC, POLYURETHANE ENAMEL.

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

TM THOMAS & MARKER CONSTRUCTION

Resources Design, Inc. RDI

STATE OF OHIO THOMAS I. CONVERSE 6425 REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
REVISED 6/2/2014

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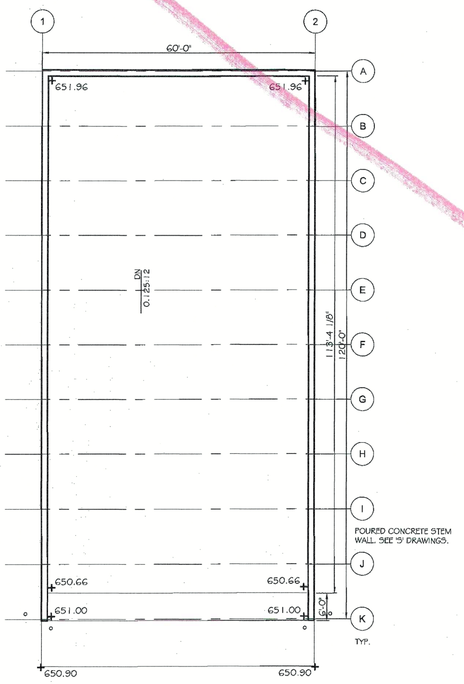
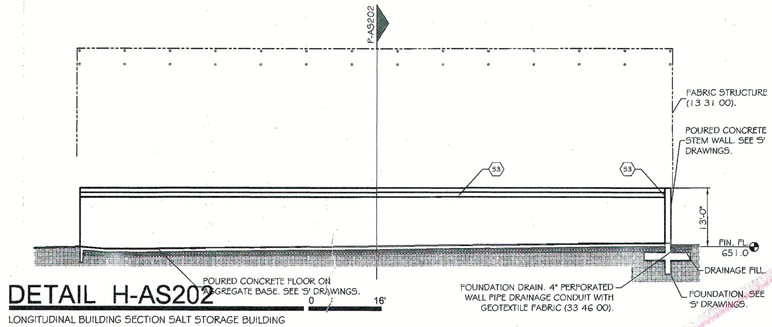
SALT STORAGE



DETAIL K-AS201

0 16'

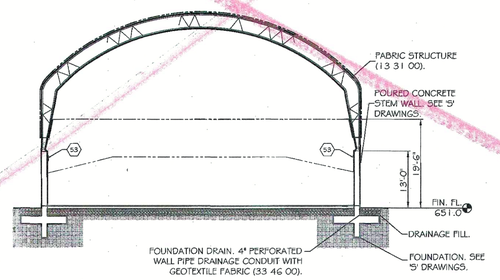
FLOOR PLAN SALT STORAGE BUILDING



DETAIL H-AS202

0 16'

LONGITUDINAL BUILDING SECTION SALT STORAGE BUILDING



DETAIL R-AS202

0 16'

TRANSVERSE BUILDING SECTION AND SOUTH ELEVATION SALT STORAGE BUILDING

CODED NOTES

51 LOCK BLOCK PARTITION. ASSEMBLY OF LOCK BLOCKS SIMILAR TO EC BABBERT STACKING PUSH BLOCK/RETAINING WALL, 2'X2'X6' (AND 3') GRADE A (SINGLE POUR) UNITS.

53 MATERIAL FILL STRIPE. 12" HIGH HIGH-PERFORMANCE COATING STRIPE WITH BOTTOM 4' FROM TOP OF WALL PAINT MPI-72 - PIGMENTED, ALIPHATIC, POLYURETHANE ENAMEL.

GENERAL SHEET NOTES

6 CONNECT FOUNDATION DRAINS TO SITE PIPED STORM WATER SYSTEM WITH 4" SOLID WALL PIPE (33 46 00). SEE 'C' DRAWINGS.

THOMAS & MARKER CONSTRUCTION

Restaurant Design, Inc. RDI

STATE OF OHIO
THOMAS L. CONVERSE 6425
REGISTERED ARCHITECT

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

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AS201

SALT STORAGE

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 065

REQUEST FOR INFORMATION

TO:	RDI	**DATE:**	30-Sep-14
ATTN:	Tom Converse	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	AO201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	OMF23.1 North Masonry Wall		

Please see attached RFI from our Plumbing subcontractor.

Per drawing A0201, detail J and detail O call out the north hallway wall of OMF23.1 to be a 12" sand filled masonry wall. If 12" masonry is used and the office side face is held to Column Line 11 as shown in the details, then there will be roughly 4" sticking past on the Vehicle Maintenance side. The detail shows the masonry on the Vehicle Maintenance side to be flush with the 6" exterior CMU wall. Please note that all underground rough-in was installed per detail J and detail O with the hallway wall lining up with 6" exterior masonry wall.

Please advise if 8" masonry can be used to match the details on drawing A0201?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 30-Sep-14

DISTRIBUTION: File, Steve McClarren

REPLY (RETURN THIS SHEET WITH REPLY):

9/30/2014 - AT MASONRY WALL ON LINE 11 BETWEEN OMF23.1 AND OMF 12.1, IN LIEU OF 12-INCH SAND FILLED CMU, PROVIDE 8-INCH SAND FILLED CMU.
THIS RECONCILES WALL PLANES ON BOTH SIDES. THE DRAWING INCORRECTLY CALLED OUT 12-INCH CMU. STRUCTURAL ENGINEER CONFIRMS 8-INCH CMU WITH VERTICAL #4 STEEL REINFORCING 48-INCHES-ON-CENTER IS ACCEPTABLE TO REQUIRED HEIGHT OF ROOF (APPROXIMATELY 19-FEET-6-INCHES).

DATE OF REPLY: 9/30/2014 **SIGNED:** [signature]

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

Matulja, Rick

From: Andry, Tom
Sent: Friday, October 03, 2014 9:08 AM
To: Matulja, Rick
Subject: Fw: Non-Conforming Data Report Distribution - Athens ODOT Maintenance Facility - Mortar Placed : 08/26/2014

Please put into our log. Thanks.
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Steve McClarren <smcclarren@jgaeng.com>
Sent: Friday, October 03, 2014 8:58 AM
To: Andry, Tom
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick; 'Tim Browning'
Subject: RE: Non-Conforming Data Report Distribution - Athens ODOT Maintenance Facility - Mortar Placed : 08/26/2014

Strength is adequate.

Steve McClarren, P.E.
Jezerinac Geers & Associates, Inc.

Jezerinac Geers Structural Engineering

P: 614.766.0066 | C: 614.582.0602 | www.jgaeng.com
Direct: 614-659-7031

From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Friday, October 03, 2014 8:55 AM
To: Steve McClarren
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick; Tim Browning
Subject: Fw: Non-Conforming Data Report Distribution - Athens ODOT Maintenance Facility - Mortar Placed : 08/26/2014

Steve,
Please see the attached mortar results. The average mortar 28 day is 2080 psi as per the attached. Type S mortar has a required 2100 psi. Please advise if this is a problem. Thanks.
Sincerely,

Tom Andry, LEED AP
Project Superintendent

OFCC
OHIO FACILITIES CONSTRUCTION COMMISSION

Thur. September 04, 2014
(Original issue date: Wed. August 27, 2014)

DOT-130006: ODOT Athens Full Service Maintenance Facility
Athens, OH

Proposal Request: PR-0001

To: Joseph Hannahs – T&MCC

Purpose: Concrete Mix Design and Finish

Distribution: Sulaiman Bah – ODOT
Rich Oster – ODOT
Jamie Hendershot – ODOT
John Klock – Star Consultants, Inc.
Hamid Mukhtar – Star Consultants, Inc.
Ned Thiell - OFCC

This Proposal Request has been issued in accordance with Article 7 – Modifications of the project General Conditions (Design-Build Contract). The Proposal Request represents proposed revisions to the original Contract Documents. The issuance of revised and new drawings and/or specifications does not authorize the contractor to proceed with the work nor obligate the Owner in any way. The contractor will be authorized to proceed only upon the issuance of a properly executed Change Order and/or Change Directive (Field Work Order) from the Contracting Authority.

INSTRUCTIONS: Contractor shall submit prices for the work to the Contracting Authority on their letterhead, stating the amount by which their Contract Sum and/or Time would be altered, if there will be added costs or credits, or stating that there will be no change in the Contract Sum or Time. The proposal for any cost of desired changes shall be detailed to show quantities and unit cost of the major items of material, labor hours, and labor cost per hour. In cases involving subcontractors, and/or major material vendors, a copy of their proposal and/or invoices to the Contractor should be included. Contractor shall follow cost procedures for changes as described in the Contract Documents. A Change Order Detail Summary form is available from our website to assist with cost procedure compliance: http://ofcc.ohio.gov/Documents.aspx

RESPONSE DEADLINE: The Contractor must respond with a Proposal to the Contracting Authority within **fourteen (14) days** after receiving a Proposal Request. If the Contractor does not timely submit a Proposal within the time required, the Contractor waives its right to an adjustment to the Contract Sum or Contract Time, or both, associated with the contemplated change in the Work.

Description:

ITEM 1. **Concrete Mix Design and Finish in the Truck Storage, and Maintenance Facility, (Excluding the Administrative Office Areas and the Wash Bay).**
- a. Concrete Mix Design Requirements: ODOT 499.03 – QC 1
- b. Design Strength: 4,000 psi
- c. Concrete Finish: Steel Trowel (per ACI standards)
- d. Air Entrainment: None

ITEM 2. **Concrete Mix Design and Finish in the Office Area only.**
- a. Concrete Mix Design Requirements: ODOT 499.03 – QC 1
- b. Design Strength: 3,500 psi
- c. Concrete Finish: Steel Trowel (per ACI standards)
- d. Air Entrainment: None

ITEM 3. **Concrete Mix Design and Finish in the Wash Bay only.**
- a. Concrete Mix Design Requirements: ODOT 499.03 – QC 1 with Silica-Fume
- b. Design Strength: 4,000 psi
- c. Concrete Finish: Float (per ACI standards)
- d. Air Entrainment: None
- e. Note: Eliminate non-slip grit

ITEM 4. **Concrete Mix Design and Finish in the Salt Storage, Material Storage, and Cold Storage Buildings.**
- a. Concrete Mix Design Requirements: ODOT 499.03 – QC 1 with Silica-Fume
- b. Design Strength: 4,000 psi
- c. Concrete Finish: Float (per ACI standards)
- d. Air Entrainment: 6% +/- 2%

ITEM 5. **Concrete Mix Design and Finish for exterior Aprons, the Brine Pad, and the Fuel Island.**
- a. Concrete Mix Design Requirements: ODOT 499.03 – QC 1 with Silica-Fume
- b. Design Strength: 4,000 psi
- c. Concrete Finish: Broom (per ACI standards)
- d. Air Entrainment: 6% +/- 2%

ITEM 6. **Concrete Mix Design and Finish for remaining exterior locations (sidewalks, pads, etc.).**
- a. Concrete Mix Design Requirements: ODOT 499.03
- b. Design Strength: 4,000 psi
- c. Concrete Finish: Broom (per ACI standards)
- d. Air Entrainment: 6% +/- 2%

ITEM 7. **Warranty.**
- a. All concrete will be warranted per the contract documents and in accordance with the Design-Build Contract between T&MCC and OFCC.

SIGNED:

Jeffery T. Kring, AIA, LEED AP
Project Manager, Architect

Ohio Facilities Construction Commission
30 West Spring Street, 4th floor
Columbus, OH 43215

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 059

REQUEST FOR INFORMATION

TO:	RDI, JGA	**DATE:**	11-Sep-14
ATTN:	Tom Converse, Steve McClarren	**PAGE:**	1 of 3
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	N/A
FR:	Joe Hannahs	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Trench Drain Concrete		

There are no details on the Architectural drawings, structural drawings nor the plumbing drawings showing concrete or reinforcing below and around the trench drain (Vehicle Maintenance Building and Truck Storage Building).

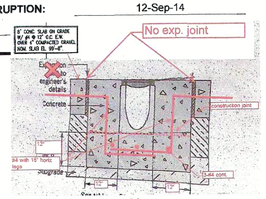
Per the ACO drain installation guide, it shows a detail with concrete below and on the sides at least 12" in each direction per table 6, see attached photo. The Installation Guide detail shows a expansion joint 12" away from the trench drain, around the whole perimeter, see attached photo. Is rebar required under and around the trench drains? Is reinforcing required below and around the trench drain? If expansion joint is not used, advise if reinforcing should be tied into the slab?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 12-Sep-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

See detail.



DATE OF REPLY: 9/12/2014 **SIGNED:** Steve McClarren - JGA

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

Gonzalez, German

From: Bah, Sulaiman <Sulaiman.Bah@dot.state.oh.us>
Sent: Thursday, August 21, 2014 1:41 PM
To: Hannahs, Joe
Cc: john@starconsultants.org; Andry, Tom; Gonzalez, German; Steve McClarren
Subject: RE: Athens ODOT - RFI #031 - 08.07.2014 - Concrete Walls - Air Entrainment - Updated Mix Design

Joe,

I can confirm the discussion and we agreed to go plus/minus 2%.

Sulaiman

From: Hannahs, Joe [mailto:jhannahs@thomas-marker.com]
Sent: Wednesday, August 20, 2014 6:40 PM
To: Bah, Sulaiman
Cc: john@starconsultants.org; Andry, Tom; Gonzalez, German; Steve McClarren
Subject: FW: Athens ODOT - RFI #031 - 08.07.2014 - Concrete Walls - Air Entrainment - Updated Mix Design

Sulaiman,

Can you please confirm the discussion and change that took place following the meeting the other week so that we can close this RFI?

Thank you,

Joe Hannahs, LEED AP BD+C
Project Manager
BELLEFONTAINE | COLUMBUS
(P) 614.754.8349 | (F) 614.824.1605 | (C) 740.334.2775
THOMAS & MARKER CONSTRUCTION www.thomas-marker.com

From: John Kloch [mailto:john@starconsultants.org]
Sent: Friday, August 08, 2014 12:59 PM
To: Gonzalez, German; S McClarren
Cc: Hannahs, Joe; Andry, Tom; Matulja, Rick; tconverse@rdicolumbus.com
Subject: RE: Athens ODOT - RFI #031 - 08.07.2014 - Concrete Walls - Air Entrainment - Updated Mix Design

Attached is the reply to RFI 031

Thank you

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 031

REQUEST FOR INFORMATION

TO:	STAR Consultants , RDFA	**DATE:**	7-Aug-14
ATTN:	John Kloch , Steve McClarren	**PAGE:**	1 of 1
EMAIL:	John@starconsultants.org	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	08.07.14 - Concrete Walls - Air Entrainment - Updated Mix Design		

As discussed at the Construction Meeting #12 on 08.07.14, air entrainment can be modified to plus or minus 2% for the concrete walls.

Please reference to the original reviewed as noted mix design submital, and the revised mixed design submittal.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 7-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

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DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-003**
		Date of Issue:	July 28, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr, Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Masonry Control Joints

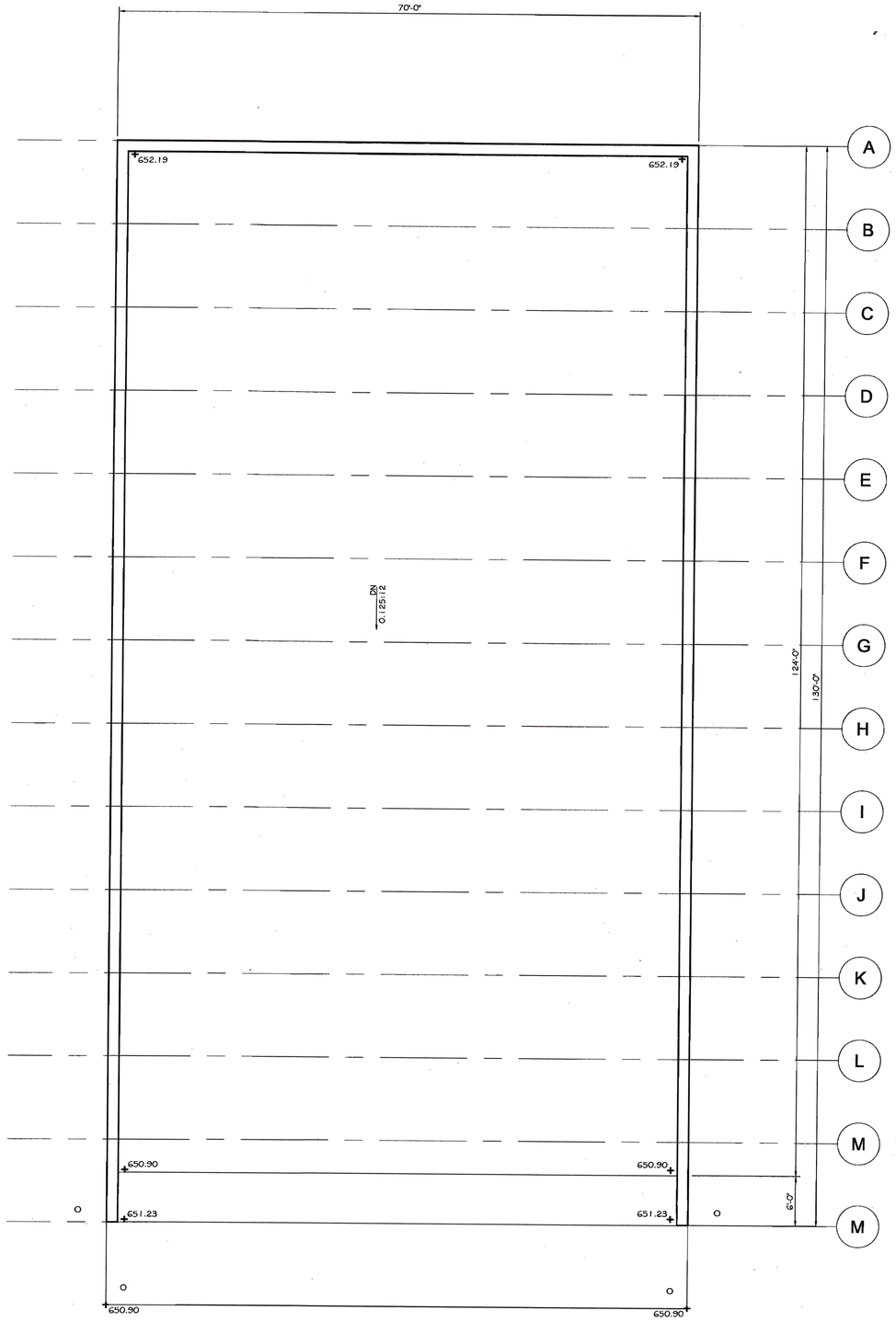
In all masonry walls, provide control joints at changes in wall height, the lesser of 1-1/2 length to height ratio or 25-feet, from corners not more than 1/2 control joint spacing for the wall, between main and intersecting walls, at pilasters, at changes in wall thickness, at transitions from interior walls and partitions to exterior walls, at transitions from wall bearing on foundation to wall bearing on floor slab, and above and below jambs of steel angle or beam lintel supported openings as follows:

Opening Width	Control Joint	Remarks
Less than 2-feet-0-inches	None Required	
2-feet-0-inches to 6-feet-0-inches	One Jamb Only	Latch Side of Door Openings
Wide that 6-feet-0-inches	Both Jambs	

Attachments:

Issued by

Renouveau Design, Inc. Thomas I. Converse July 28, 2014
Date



DETAIL U-AS201

FLOOR PLAN SALT STORAGE BUILDING

0 8'

NORTH

THOMAS & MARKER CONSTRUCTION

Renaissance Design, Inc.

RDI

STATE OF OHIO
THOMAS
I.
CONVERSE
6425
REGISTERED ARCHITECT

EARLY SITEWORK PACKAGE

DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION
DOCUMENTS
FEBRUARY 27, 2014

REVISED:

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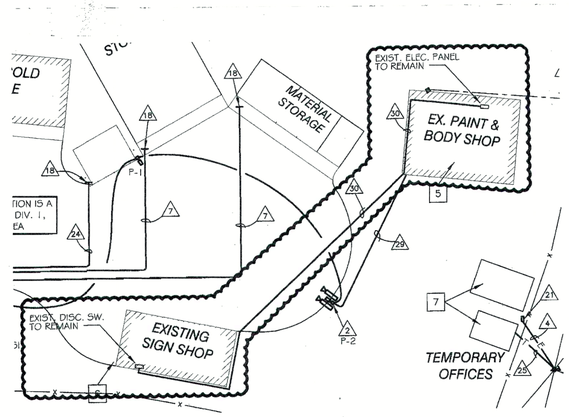
AS201

SALT STORAGE



ELECTRICAL CODED NOTES △

30. PROVIDE 3-#1/0, 1-#6GRD., IN 1-1/2"C. FROM NEW 60A.2P BREAKER TO BE INSTALLED IN EXISTING 100A.3P PANEL IN BODY SHOP TO BACKFEED SIGN SHOP ELECTRIC PANEL. COORDINATE ROUTING OF CONDUIT. PROVIDE PIGTAILS ON FEEDER TO ACCOMMODATE THE LUGS ON THE BREAKER AND DISCONNECT SWITCH DUE TO VOLTAGE DROP. REMOVE OLD CONDUCTORS AND CONDUIT FROM EXISTING FEEDER THAT WAS TAKEN OUT OF SERVICE.

STATE OF OHIO
G. C. TOPP
S1988
M. L. YOUNG
43335
REGISTERED PROFESSIONAL ENGINEERS

BULLETIN #1
APRIL 28, 2014

EARLY SITEWORK PACKAGE
NEW BUILDING
ATHENS FULL SERVICE
MAINTENANCE FACILITY
ODOT DISTRICT 10 - ATHENS COUNTY
OHIO DEPARTMENT OF TRANSPORTATION COMPLIANCE

ELECTRICAL SITE PLAN

SK-E1

E021

GENERAL STRUCTURAL NOTES

GENERAL

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.

2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

3. MECHANICAL EQUIPMENT LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF MECHANICAL AND OTHER TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS TO BE BORNE BY MECHANICAL CONTRACTOR.

4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

5. GOVERNING CODE: 2011 OHIO BUILDING CODE.

6. DESIGN LOADS:

ROOF LIVE LOADS: (IN ACCORDANCE WITH 1607.11)		20 PSF
ROOF SNOW LOADS: (IN ACCORDANCE WITH 1608)		
– GROUND SNOW LOAD (Pg)		25 PSF
– FLAT ROOF SNOW LOAD (Pf)		21 PSF (STORAGE)
		20 PSF (OTHER)
– SNOW EXPOSURE FACTOR (Ce)		1.0
– SNOW LOAD IMPORTANCE FACTOR (IS)		1.0
– THERMAL FACTOR (Ct)		1.2 (STORAGE BLDGS)
		1.0 (OTHER BLDGS)
WIND LOADS: (IN ACCORDANCE WITH 1609)		
– BASIC WIND SPEED (V)		90 MPH
– WIND IMPORTANCE FACTOR (IW)		1.0
– EXPOSURE CATEGORY		EXPOSURE C
– INTERNAL PRESSURE COEFFICIENT (GCpi)		+/– 0.18
SEISMIC DESIGN DATA: (IN ACCORDANCE WITH 1613)		
– OCCUPANCY CATEGORY		II
– SEISMIC IMPORTANCE FACTOR (IE)		1.0
– SS		0.147
– S1		0.60
– SITE CLASS		D
– SDS		0.157
– SD1		0.096
– SEISMIC DESIGN CATEGORY		B
– SEISMIC FORCE RESISTING SYSTEM		TBD
– DESIGN BASE SHEAR (V)		TBD (Kips)
– SEISMIC RESPONSE COEFFICIENT (CS)		TBD
– RESPONSE MODIFICATION FACTOR (R)		TBD
– ANALYSIS PROCEDURE:		TBD

"TBD" = TO BE DETERMINED BY PRE-ENGINEERED BUILDING SUPPLIER

REINFORCED CONCRETE

1. MATERIALS:
   A. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI-301-05, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
   B. STRUCTURAL CONCRETE:

CLASS	LOCATION	f'c psi
I	FOOTINGS, GRADE BEAMS, INTERIOR PIERS	3,000
II	INTERIOR SLABS ON GRADE, AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4,000
III	EXTERIOR SLABS ON GRADE, SITE CONCRETE, RETAINING WALLS, AND ALL EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4,000 (W/AIR)
IV	BACKFILL BELOW FOOTINGS	1,500

   C. ALL DEFORMED REINFORCING BARS: FY = 60,000 PSI.

2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15 IN THE FIELD OFFICE AT ALL TIMES.

3. CONTINGENCIES:
   A. PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER EXCAVATION, SOFT SPOTS, AND TRENCHES.

4. OPENINGS:
   A. OPENINGS SHOWN ARE FOR BIDDING PURPOSES ONLY. RECONCILE THEIR EXACT SIZE AND LOCATION WITH ARCHITECTURAL, MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH WORK.
   B. PROVIDE 2 NO. 5 BARS AROUND ALL WALL OPENINGS, EXTENDING TWO FEET BEYOND OPENING IN EVERY DIRECTION. OPENINGS IN WALLS NOT EXCEEDING 12" X 12" MAY BE SLEEVED AS REQUIRED BY WORKING THE REINFORCING STEEL AROUND THEM.

5. FOOTINGS, PIERS, WALLS:
   A. DOWELS IN FOOTINGS TO MATCH VERTICAL PIER OR WALL REINFORCING.
   B. PROVIDE CORNER BARS AT WALL AND FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING. MINIMUM LENGTH OF EACH LEG = 36 BAR DIAMETERS.

6. SPLICES:
   A. SPLICES FOR VERTICAL STEEL IN WALLS OR PIERS = LAP 30 DIAMETERS, UNLESS NOTED OTHERWISE.
   B. MINIMUM LAP FOR FOOTING, SLAB, AND HORIZONTAL WALL REINFORCING = 36 DIAMETERS.

7. CONSTRUCTION JOINTS:
   A. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER.

8. WEDGE ANCHORS AND CHEMICAL ANCHORS:
   MASONRY — SEE ASI-003 FOR MASONRY CONTROL JOINTS

1. MATERIALS:
   A. CONCRETE BLOCK: ASTM C90 (HOLLOW AND SOLID), f'm = 1,500 PSI.
   B. MORTAR: TYPE S, MINIMUM COMPRESSIVE STRENGTH: 1,800 PSI.
   C. BOND BEAM AND CORE FILL: ASTM C476, COARSE TYPE.
   D. JOINT REINFORCING: STANDARD DUR-O-WAL, MILL GALVANIZED FINISH.

2. MISCELLANEOUS:
   A. PROVIDE 100% SOLID BEARING, MINIMUM 3 COURSES UNDER BEAMS, 1 COURSE UNDER JOISTS, UNLESS DETAILED OTHERWISE.
   B. FILL CORE SOLID AROUND ANCHOR BOLTS.
   C. SET WELD PLATES IN BOND BEAMS AFTER THE GROUT IS PLACED, BUT WHILE IT IS STILL PLASTIC.
   D. HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED IN ALL COURSES OF PIERS, AND PILASTERS, AND IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
   E. PROVIDE JOINT REINFORCING AT 16". EXCEPT AS NOTED.
   F. PROVIDE APPROPRIATE MASONRY ANCHORS AT 16" O.C. MAX. TO TIE MASONRY TO ABUTTING VERTICAL STEEL AND CONCRETE SURFACES.
   G. PROVIDE SOLID BLOCKS OR SOLIDLY FILLED HOLLOW BLOCKS AT ALL EXPANSION ANCHOR LOCATIONS.
   H. EXPANSION ANCHORS SHALL HAVE MINIMUM EMBEDMENT OF 6 BOLT DIAMETERS, EXCEPT AS DETAILED OTHERWISE.
   I. WHERE HOLLOW MASONRY UNITS ARE USED ABOVE HOLLOW MASONRY UNITS OF A DIFFERENT THICKNESS, PROVIDE A CONTINUOUS COURSE OF SOLID MASONRY AT LEAST 8" HIGH BELOW THE TRANSITION.
   J. AT CORBELLED WALLS, USE SOLID MASONRY FOR THE COURSE BELOW THE FIRST CORBEL AND FOR EACH CORBELLED COURSE. MAXIMUM CORBEL PER COURSE = 1", UNLESS DETAILED OTHERWISE.
   K. ALL SPLICES FOR VERTICAL WALL REINFORCING ARE TO BE LAPPED A MINIMUM OF 48 BAR DIAMETERS.
   L. ALL GROUTING OF MASONRY WALLS SHALL BE BY THE LOW-LIFT GROUTING METHOD (MAXIMUM LIFT HEIGHT 4'–0"), UNLESS CLEAN-OUTS AND INSPECTION ARE PROVIDED.

LINTEL NOTES

1. PROVIDE LINTELS OVER ALL OPENINGS IN MASONRY WALLS. NOT ALL LINTELS ARE SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS OF OPENINGS, AND FOR STANDARD LINTELS. USE THE APPROPRIATE LINTEL FROM THE SCHEDULE IN NOTE 2 BELOW. FOR NUMBERED LINTELS DESIGNATED ON THE STRUCTURAL DRAWINGS, USE THE SCHEDULED LINTEL IN NOTE 5 BELOW.

2. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS, AND USE 8" MINIMUM BEARING EACH END. FOR BEAM LINTELS, STOP BOTTOM PLATE 1/8" SHORT OF JAMBS, AND USE 8" MINIMUM BEARING EACH END.

MASONRY ROUGH OPENING	SECTION
TO 4'–0"	L 3–1/2 X 3–1/2 X 5/16
4'–1" TO 5'–6"	L 4 X 3–1/2 X 5/16 LLV
5'–7" TO 6'–6"	L 5 X 3–1/2 X 5/16 LLV
6'–7" TO 8'–0"	L 6 X 3–1/2 X 5/16 LLV
8'–1" TO 10'–0"	W8 X 18 W/PL 5/16 X (WALL "T"–1/2")
10'–1" TO 12'–0"	W8 X 21 W/PL 5/16 X (WALL "T"–1/2")

STRUCTURAL LUMBER

1. MATERIALS:
   A. STRUCTURAL LUMBER: BEAMS, HEADERS, JOISTS AND RAFTERS – SPRUCE-PINE-FIR NO.1/NO.2: 2 X 4 OR 2 X 6 STUDS – SPRUCE-PINE-FIR "STUD" GRADE, UNLESS NOTED OTHERWISE. ALL DESIGN VALUES PER 2005 NFPA NATIONAL DESIGN SPECIFICATION. ANY SUBSTITUTIONS SHALL MEET MINIMUM DESIGN VALUES OF ABOVE MEMBERS.
   B. MICRO=LAM (MHL) OR LAMINATED VENEER LUMBER (LVL): Fb = 2,600 PSI, Fv = 285 PSI, Fc (PERP.) = 750 PSI, E = 1,900 KSI.
   C. DECKING AND SHEATHING (OSB OR PLYWOOD): ROOFS – 19/32" OR 5/8" APA RATED SHEATHING, 32/16, EXPOSURE 1; WALL SHEATHING – 7/16" APA RATED SHEATHING, 24", EXPOSURE 1.
   D. ALL LUMBER IN CONTACT WITH CONCRETE, MASONRY, GROUND / SOIL, AND USED IN CONDITIONS WITH MOISTURE PRESENT, IS TO BE PRESSURE-TREATED TO RESIST DECAY. PRESERVATIVES USED FOR PRESSURE TREATMENT SHALL BE ALKALINE COPPER QUAT, ACQ–C OR ACQ–D. OTHER PRESERVATIVES PROPOSED FOR USE ARE TO BE SUBMITTED FOR REVIEW PRIOR TO ERECTION OR INSTALLATION ON THE PROJECT.

2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST REVISIONS OF:
   A. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
   B. U.S. PRODUCT STANDARD PS–1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD.
   C. APA DESIGN/CONSTRUCTION GUIDE – RESIDENTIAL AND COMMERCIAL.

3. CONNECTIONS:
   A. JOISTS TO BEAMS OR JOISTS TO TRUSSES – 16 GA. STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE. BEAMS TO BEAMS – 16 GA. BEAM HANGERS, UNLESS SHOWN OTHERWISE.
   B. ALL HANGERS, STRAPS, CAPS, BASES, HOLDOWNS, TIES OR OTHER CONNECTORS IN CONTACT WITH PRESSURE-TREATED LUMBER ARE TO BE BATCH/POST HOT DIPPED GALVANIZED PER ASTM A123 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.
   C. ALL FASTENERS INCLUDING NAILS, ANCHOR BOLTS; POWDER ACTUATED FASTENERS, SCREWS, BOLTS, AND THREADED RODS, IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316. FASTENERS AND CONNECTORS ARE TO BE OF THE SAME MATERIAL, STAINLESS STEEL OR HOT DIPPED GALVANIZED, DO NOT MIX MATERIALS.
   D. ALL MECHANICAL ANCHORS INCLUDING WEDGE ANCHORS AND SLEEVE ANCHORS IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.
   E. ROOFS – USE 10d NAILS AT 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS. WALLS – USE 8d NAILS AT 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS.
   F. TRUSS TO WALL OR RAFTERS TO WALL – STANDARD HURRICANE ANCHORS AT EACH BEARING POINT.
   G. ALL NAILS ARE TO BE COMMON WIRE NAILS, UNLESS SPECIFICALLY NOTED OTHERWISE.

4. MISCELLANEOUS:
   A. PROVIDE SOLID BLOCKING AT MID-HEIGHT FOR ALL EXTERIOR STUDWALLS AND INTERIOR BEARING PARTITIONS WHICH ARE NOT SHEATHED EACH SIDE WITH GYPSUM BOARD OR APA-RATED SHEATHING.
   B. USE SINGLE JACK STUDS UNDER BEAM AND HEADER BEARINGS FOR ROUGH OPENINGS UP AND INCLUDING 4'–0", AND DOUBLE JACK STUDS UNDER BEAM AND HEADER BEARINGS FOR SPANS GREATER THAN 4'–0", UNLESS SHOWN OTHERWISE.
   C. EACH MEMBER OF MULTIPLE MEMBER BEAMS AND COLUMNS ARE TO BE NAILED TOGETHER WITH 2 ROWS OF 10d NAILS AT 6" ON CENTER, STAGGERED, THE FULL LENGTH OF THE MEMBER.

TRUSS NOTES

1. MATERIALS:
   A. LUMBER: AS REQUIRED BY THE TRUSS MANUFACTURER. MINIMUM GRADE TO BE SYP NO. 2 KD 15 PERCENT MC, EXCEPT FOR WEBS, WHICH MAY BE MINIMUM GRADE OF SYP NO. 3, KD 15 PERCENT MC.
   B. CONNECTIONS: ALL INTERNAL TRUSS CONNECTIONS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER. CONNECTORS SHALL BE DEFORMED PLATE TYPE, OF MINIMUM 20 GAUGE GALVANIZED STEEL SHEET. ALL JOINTS ARE TO BE DESIGNED USING METHODS AS SET FORTH IN TPI STANDARDS.
   C. HANGERS: ALL TRUSS TO TRUSS HANGERS SHALL BE MINIMUM 16 GA., AND SHALL BE PROVIDED BY THE TRUSS SUPPLIER.
   D. ALL HANGERS, STRAPS, CAPS, BASES, HOLDOWNS, TIES OR OTHER CONNECTORS IN CONTACT WITH PRESSURE-TREATED LUMBER ARE TO BE BATCH/POST HOT DIPPED GALVANIZED PER ASTM A123 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.
   E. ALL FASTENERS INCLUDING NAILS, ANCHOR BOLTS, POWDER ACTUATED FASTENERS, SCREWS, BOLTS, AND THREADED RODS, IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316. FASTENERS AND CONNECTORS ARE TO BE OF THE SAME MATERIAL, STAINLESS STEEL OR HOT DIPPED GALVANIZED, DO NOT MIX MATERIALS.

2. SPECIFICATIONS AND REFERENCE STANDARDS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION, ERECTION, HANDLING AND BRACING REQUIREMENTS ARE TO BE GOVERNED BY THE LATEST REVISIONS OF:
   A. NATIONAL DESIGN SPECIFICATIONS FOR STRESS-GRADE LUMBER AND ITS FASTENINGS.
   B. TIMBER CONSTRUCTION STANDARDS.
   C. DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES.
   D. TRUSS PLATE INSTITUTE PUBLICATION–BTW BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS EXCEPT AS NOTED BELOW.

3. DESIGN :
   A. ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER FOR THE FOLLOWING MINIMUM LOADS:
      1. DESIGN LOADINGS:

TOP CHORD:	LIVE LOAD:	25 PSF
	DEAD LOAD:	15 PSF
BOT CHORD:	DEAD LOAD:	10 PSF
	LIVE LOAD:	10 PSF MINIMUM OR 20 PSF FOR ATTIC STORAGE IN ACCORDANCE WITH 2011 OHIO BUILDING CODE, TABLE 1607.1.

   B. TRUSS DESIGNS ARE TO INCLUDE ADDITIONAL LOADING CONDITIONS SUCH AS DRIFT LOADS AND UNBALANCED LOADS NECESSARY TO CONFORM TO THE BUILDING CODE.
   C. TRUSS DESIGN LOADS ARE TO INCLUDE MECHANICAL EQUIPMENT, OPERABLE WALLS, OR OTHER INCREASED LIVE LOADS INDICATED ON THE CONSTRUCTION DRAWINGS. REFER TO THE ARCHITECTURAL AND MECHANICAL DRAWINGS TO COORDINATE LOCATIONS, SIZES, AND WEIGHTS TO BE SUPPORTED.
   D. WHERE TRUSSES ARE REQUIRED TO FRAME INTO OTHER TRUSSES, DESIGN OF THE HANGERS SHALL BE THE RESPONSIBILITY OF THE TRUSS SUPPLIER. THE TRUSS SUPPLIER SHALL MAKE NECESSARY PROVISIONS IN THE SUPPORTING TRUSS TO ACCEPT THE TYPE OF HANGER REQUIRED.
   E. THE DESIGN OF ALL WEB MEMBER PERMANENT BRACE SIZES AND CONNECTIONS, REQUIRED FOR THE STRUCTURAL ADEQUACY OF THE TRUSSES, SHALL BE THE SOLE RESPONSIBILITY OF THE TRUSS SUPPLIER.
   F. ADDITIONAL MEMBER PERMANENT BRACE SIZES AND CONNECTIONS, NOT PROVIDED BY THE SHEATHING SHOWN ON THE CONSTRUCTION DRAWINGS, SHALL ALSO BE THE RESPONSIBILITY OF THE TRUSS SUPPLIER. THIS BRACING CAN INCLUDE, BUT IS NOT LIMITED TO, TOP CHORD BRACING FOR TRUSSES WITH PIGGY-BACKS, AND INTERMEDIATE BRACES FOR GABLE TRUSS WEB MEMBERS.

4. SUBMITTALS:
   A. TRUSS DESIGNS ARE TO BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. TRUSS SUBMITTAL SHALL INCLUDE THE FOLLOWING INFORMATION:
      1. DESIGN INFORMATION FOR EACH TYPE OF TRUSS SUPPLIED.
      2. LAYOUT DRAWING INDICATING LOCATION OF EACH SPECIFIC TRUSS TYPE.
      3. PERMANENT MEMBER BRACE LOCATIONS, BRACE SIZES, AND CONNECTIONS.
      4. TRUSS HANGER TYPE AND LOCATION, FOR ALL TRUSSES FRAMING INTO TRUSSES.
      5. TRUSS DESIGNS AND LAYOUT DRAWING STAMPED BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO.
   B. SUBMITTALS WHICH DO NOT INCLUDE THE ABOVE LISTED INFORMATION WILL BE RETURNED TO THE CONTRACTOR PRIOR TO REVIEW.

5. MISCELLANEOUS: UNLESS SPECIFICALLY NOTED OTHERWISE ON THE APPROVED TRUSS SHOP DRAWINGS, ALL MEMBERS OF MULTIPLE TRUSSES ARE TO BE NAILED TOGETHER WITH 10d COMMON NAILS AT 8" O.C., FOR DOUBLE TRUSSES, OR WITH 16d COMMON NAILS AT 8" O.C. FROM EACH SIDE, FOR TRIPLE TRUSSES.

SPECIAL INSPECTIONS AND TESTING

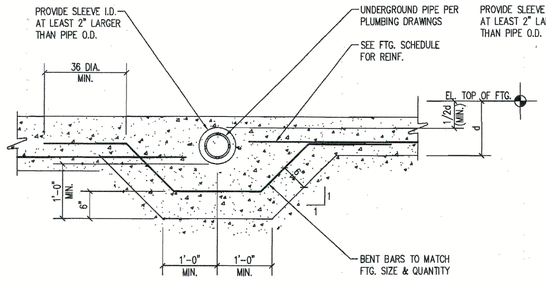
1. INSPECTION AGENCY:
   A. INSPECTION AGENCY OR INDIVIDUAL SHALL BE RETAINED AS INDICATED IN THE SPECIFICATIONS TO CONDUCT THE INSPECTIONS AND TESTING OUTLINED BELOW AND AS DEFINED IN CHAPTERS 18 AND 17 OF THE 2011 EDITION OF THE OHIO BUILDING CODE.
   B. SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTS AND SUBMIT RECORDS TO THE ARCHITECT (1704.1.2).
   C. THE GENERAL CONTRACTOR SHALL NOTE IN THE SPACES BELOW, ON THE RECORD SET OF DRAWINGS KEPT ON-SITE, THE AGENCY OR INDIVIDUAL RETAINED TO CONDUCT THE SPECIAL INSPECTIONS AND TESTS.

2. MATERIALS:

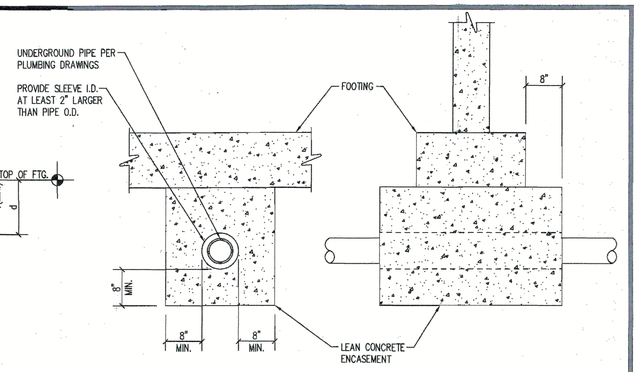
A. SOIL	AGENCY:	
1. BEARING CAPACITY		PERIODIC
B. CONCRETE	AGENCY:	
1. MIX DESIGNS		PERIODIC
2. ANCHOR BOLT PLACEMENT		CONTINUOUS
3. REINFORCING PLACEMENT		CONTINUOUS
4. CONCRETE SAMPLING		CONTINUOUS
5. CURING TECHNIQUES		PERIODIC
C. MASONRY	AGENCY:	
1. MATERIAL CERTIFICATES OF COMPLIANCE		PERIODIC
2. VERIFICATION OF f'm EVERY 5,000 S.F.		PERIODIC
3. MORTAR PROPORTIONS		PERIODIC
4. PLACEMENT OF OWJ AND JOINTS		PERIODIC
5. REINFORCING PLACEMENT		CONTINUOUS
6. GROUT PLACEMENT		PERIODIC
D. STRUCTURAL STEEL	AGENCY:	
1. HIGH STRENGTH BOLTING – SNUG TIGHT		PERIODIC
2. INSPECTION OF STEEL FRAME		PERIODIC

ABBREVIATIONS

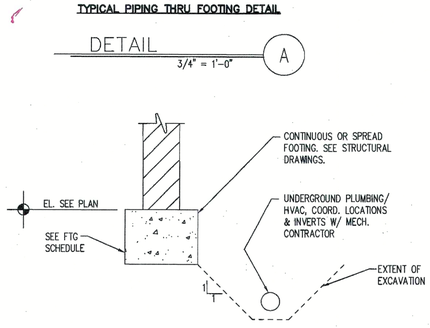
AB	ANCHOR BOLT
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
BFB	BOTTOM FLANGE BRACE
BLDG	BUILDING
BM	BEAM
CFMF	COLD–FORMED METAL FRAMING
CJ	CONTROL OR CONSTRUCTION JOINT
CLR	CLEAR
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CY	CUBIC YARD
DBL	DOUBLE
DEMO	DEMOLISH OR DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
EW	EACH WAY
EXP	EXPANSION
FDN	FOUNDATION
FIN	FINISH OR FINISHED
FLR	FLOOR
FTG	FOOTING
FRTW	FIRE–RETARDANT TREATED WOOD
FV	FIELD VERIFY
GA	GAGE
GALV	GALVANIZE
GC	GENERAL CONTRACTOR
HC	HOLLOW CORE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IF	INSIDE FACE
INT	INTERIOR
JST	JOIST
JT	JOINT
L	ANGLE
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MIN	MINIMUM
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPP	OPPOSITE
OPNG	OPENING
OSB	ORIENTED STRAND BOARD
PC	PRECAST
PEMB	PRE–ENGINEERED METAL BUILDING
PERP	PERPENDICULAR
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
REINF	REINFORCING OR REINFORCED
SCH	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SL	SLOPED
SPEC	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
SY	SQUARE YARD
SYM	SYMMETRICAL
T/	TOP OF
T&B	TOP AND BOTTOM
TEMP	TEMPORARY
T&G	TONGUE AND GROOVE
TYP	TYPICAL
UN	UNLESS NOTED
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VERT	VERTICAL
W	WIDE FLANGE
W/O	WITHOUT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD



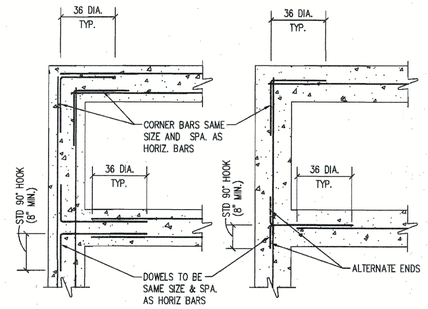
TYPICAL PIPING THRU FOOTING DETAIL



TYPICAL PIPING UNDER FOOTING DETAIL

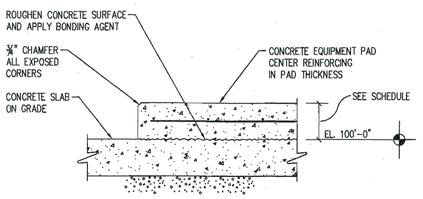


TYPICAL EXCAVATION CLEARANCE REQUIREMENTS



2 LAYERS OF REINF. 1 LAYER OF REINF.

TYPICAL CORNER DETAIL



TYPICAL EQUIPMENT PAD DETAIL

FOR AIR ENTRAINMENT CONCRETE, SEE RFI #031 AND CONVERSATION VIA EMAIL FROM ODOT & OFCC

For all concrete design mixes, see OFCC letter dated Sept. 4, 2015, PR-0001. This applies to all drawings.

SEE RFI #014

REINFORCING CLEARANCES/COVER

(#3 – #11 BARS)

EXPOSURE CONDITION	MIN. COVER U.N.O.	TOLERANCE
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"	–3/8", + 1"
EXPOSED TO EARTH OR WEATHER: #5 AND SMALLER BARS #6 AND LARGER BARS	1 1/2" 2"	–1/4", +1/2" –1/4", +1/2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, BEAMS, COLUMNS, PIERS – TO TIES & STIRRUPS	3/4" 1 1/2"	–1/4", +3/8" –1/4", +1/2"

"–" INDICATES TOLERANCE DECREASE TOWARDS MEMBER FACE.
"+" INDICATES AWAY FROM MEMBER FACE

THOMAS & MARKUM CONSTRUCTION

Jezerinac Geers Structural Engineering

Jezerinac Geers & Associates, Inc.
5640 Frantz Road, Dublin, OH 43017
614.766.0066, fax 614.766.1223
www.jgaeng.com

STATE OF OHIO — STEVEN R. McCLARREN — E–51,959 — REGISTERED PROFESSIONAL ENGINEER

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

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S001

STRUCTURAL COVER SHEET

\\Server\2013 Files\13.05.002 - Athens ODOT Maintenance Facility\S001-Structural Cover Sheet.dwg, 5/20/2014 2:26:46 PM

2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 034

REQUEST FOR INFORMATION

TO: RDI Architects & JGA
DATE: 15-Aug-14
ATTN: Tom Converse & Steve McClarren
PAGE: 1 of 1
EMAIL: tconverse@rdicolumbus.com; smcclarren@j
DWG: N/A
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Bent Bards

Please see attached RFI from our masonry subcontractor.

Vibo Masonry has installed bent bars at overhead door openings @ 16" O.C. Shop and contract drawings call for 8" O.C. Please advise drill depth to install bent bars to meet 8" O.C. Also, what type of Epoxy is to be used?

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 18-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

Drill and epoxy 8" into grout-filled CMU using Hilti HY 70 or approved equal.

DATE OF REPLY: 8/15/2014 **SIGNED:** Steve McClarren - Jezerinac Geers & Assoc.

FINAL DISTRIBUTION: File, Field

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
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RFI # 038

REQUEST FOR INFORMATION

TO: JGA
DATE: 18-Aug-14
ATTN: Steve McClarren
PAGE: 1 of 3
EMAIL: smcclarren@jgaeng.com
DWG: AV201, SS201 and SM201
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Construction Joints

Please see attached RFI from our concrete subcontractor.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 25-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

1. Construction joint at this location is acceptable.
2. Slab construction joint at this location is acceptable.

DATE OF REPLY: 8/19/2014 **SIGNED:** Steve McClarren - Jezerinac Geers

FINAL DISTRIBUTION: File, Field

Matulja, Rick

From: Andry, Tom
Sent: Wednesday, August 27, 2014 10:45 AM
To: andy@vibo-construction.com; Anthony
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: FW: Athens ODOT - cold storage sill plate anchorage

Andy and Anthony,
Please see below. Some anchors were not installed tall enough to accept 2x8. Thanks.

Rick,
Please put on as-builts. Thanks.
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Steve McClarren <smcclarren@jgaeng.com>
Sent: Tuesday, August 26, 2014 4:43 PM
To: Andry, Tom
Cc: Hannahs, Joe; Gonzalez, German
Subject: Athens ODOT - cold storage sill plate anchorage

Tom,

For anchoring the wood sill plate to the CMU foundation wall, it is acceptable to use ½" threaded rods embedded 6 inches into the CMU with structural adhesive (Hilti HY 70, Adhesive Tech Ultrabond 1300, or equal). This would replace the hooked anchor rods indicated in Section 10/S301.

Steve McClarren, P.E.
Jezerinac Geers & Associates, Inc.

Jezerinac Geers Structural Engineering

P: 614.766.0066 | C: 614.582.0602 | www.jgaeng.com
Direct: 614-659-7031

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 049

REQUEST FOR INFORMATION

TO: RDI & JGA
DATE: 25-Aug-14
ATTN: Tom Converse & Steve McClarren
PAGE: 1 of 1
EMAIL: tconverse@rdicolumbus.com ; smcclarren@
DWG: S301
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Overhead Door Termination

Please see attached confirming RFI.

Please confirm that the overhead doors, specifically detail 5 on S301, terminate on the flat steel plate of steel (1/2") lower than the top of the angle.

Our concrete subcontractor also needs the exact location of the steel angle embed. Please provide dimensions from center to column.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 28-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

9/2/2014 - LOCATE VERTICAL EDGE OF STEEL EDGE ANGLE 2-1/2-INCHES FROM INSIDE FACE OF FRAMED OPENING. SECTIONAL DOORS ARE 1-INCH WIDER THAN OPENING AT EACH END (TOTAL 2-INCHES WIDER. AT BOTH ENDS OF STEEL EDGE ANGLES PROVIDE A 1/2-INCH DEEP DEPRESSION IN SLAB 2-1/2-INCHES FROM INSIDE FACE OF FRAMED OPENING EXTENDING 2-INCHES FROM END OF OPENING BY TO RECEIVE DOOR AND TRACK. COORDINATE WITH SECTIONAL DOOR CONTRACTOR.

DATE OF REPLY: 9/2/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 045

REQUEST FOR INFORMATION

TO: RDI & JGA
DATE: 20-Aug-14
ATTN: Tom Converse & Steve McClarren
PAGE: 1 of 2
EMAIL: tconverse@rdicolumbus.com ; smcclarren@
DWG: N/A
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Finish Floor

Please see attached confirming RFI.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 25-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

8/25/2014 - IN TRUCK STORAGE, AT SECTIONAL DOORS, ON BOTH JAMBS, REPLACE ONE BLOCK OF TOP COURSE WITH 8-INCH-WIDE UNIT. 2-INCHES OF THIS WILL SIT ON TOP OF FLOOR SLAB. MAN DOOR FRAMES WILL FIT WITH THE 6-INCH-WIDE UNITS AND 2-INCH RIGID INSULATION.

DATE OF REPLY: 8/25/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 044

REQUEST FOR INFORMATION

TO: JGA
DATE: 20-Aug-14
ATTN: Steve McClarren
PAGE: 1 of 1
EMAIL: smcclarren@jgaeng
DWG: S301
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Isolation Joints

Please see attached RFI from our Concrete subcontractor.

Please confirm a 1/2" isolation joint with fiber expansion material is required at noted joints, similar to detail 10/S301 and provide dimensions.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 25-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

1/8" THICK MATERIAL IS ACCEPTABLE.

DATE OF REPLY: 8/22/2014 **SIGNED:** STEVE MCCLARREN - JEZERINAC GEERS

FINAL DISTRIBUTION: File. Field





Matulja, Rick

From: Steve McClarren <smcclarren@jgaeng.com>
Sent: Wednesday, August 20, 2014 1:32 PM
To: Matulja, Rick; TConverse@RDIColumbus.com
Cc: Andry, Tom; Gonzalez, German; Hannahs, Joe
Subject: RE: Finish Floor

Structurally acceptable.

Steve McClarren, P.E.
Jezerinac Geers & Associates, Inc.

Jezerinac Geers Structural Engineering

P: 614.766.0066 | C: 614.582.0602 | www.jgaeng.com

From: Matulja, Rick [mailto:rmatulja@thomas-marker.com]
Sent: Wednesday, August 20, 2014 1:26 PM
To: TConverse@RDIColumbus.com; smcclarren@jgaeng.com
Cc: Andry, Tom; Gonzalez, German; Hannahs, Joe
Subject: Finish Floor

Tom & Steve,

Need to confirm that one course of exposed CMU is acceptable. Please see attached photos.

Thank you,

Rick Matulia

SLAB "t"	DOWEL SIZE
6"	¾"ϕ x 16"
7" to 8"	1"ϕ x 18"
9" to 10"	1¼"ϕ x 18"

TOOL SECOND SLAB PLACEMENT W/ SHARP RADIUS EDGER. SAW TO MATCH CONTRACTION JOINTS. FILL WITH TRAFFIC GRADE URETHANE SEALANT.

1/8" 1/2 1/4 EL. SEE PLAN

SLEEVE OR GREASE ONE END ONLY — ℄ CONSTR. JOINT — DOWEL PER SCHEDULE @ 12" O.C. SUPPORT WITH DOWEL BASKET OR APPROVED ALTERNATE MEANS. DOWELS MUST BE ALIGNED AND LEVEL.

INDUSTRIAL FLOOR SLAB CONSTRUCTION JOINT

½"ϕ x 16" LG. SMOOTH DOWELS @ 24" O.C.

EL. SEE PLAN

6" 6"

TYPICAL FLOOR CONSTRUCTION JOINT (NON-INDUSTRIAL USE) — SAWN JOINT TO BE FILLED W/ TRAFFIC GRADE URETHANE SEALANT.

1/8" 1/4 EL. SEE PLAN

TYPICAL FLOOR CONTRACTION JOINT

SECTION 1 — 3/4" = 1'-0"

24 DIA. MIN. — INDICATES STEP IN FOOTING ON PLAN

EL. SEE PLAN — 3" CLR. — 3" CLR. — 24" MAX.

BARS TO MATCH FOOTING REINFORCING — 3" CLR. (TYP.)

SECTION 2 — 3/4" = 1'-0"

BLDG. LINE — 2" 8"

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

EL. 100'-2" — CONC. SLAB ON GRADE. — EL. 99'-6"

6" CMU GROUT SOLID

8" CMU GROUT TOP COURSE SOLID

CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

PERIMETER INSULATOR SEE ARCH. DWGS.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 3 — 3/4" = 1'-0"

#4 @ 12" O.C. EACH WAY — ½" EXP. JOINT — SEE SITE DWGS. — CONCRETE SLAB ON GRADE

EL. SEE PLAN

2'-8" — #4 W/ 24" LEGS @ 12" O.C. — #4 HORIZ. @ 12" O.C.

#4 DOWELS W/ 24" LEGS @ 8" O.C. — 8" CMU

8" — 3" CLR. — EL. SEE PLAN — SEE FTG. SCHED.

TYP. AT MANDOORS

SECTION 4 — 3/4" = 1'-0"

FORM ½" LIP AND SLOPE SLAB AWAY FROM DOOR

#4 @ 12" O.C. EACH WAY — #4 W/ 24" LEGS @ 8" O.C. — SEE SITE DWGS. — 2" — OVERHEAD DOOR — CONCRETE SLAB ON GRADE

EL. SEE PLAN

2'-8" — #4 W/ 24" LEGS @ 12" O.C. — #4 HORIZ. @ 12" O.C. — DETAIL A — 8" CMU

8" — EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

RFI #02

OH DOOR — ¼" GAP. FILL W/ SEALANT

CONT. ℄ ⅜" x 6" W/ ½"ϕ x 6" LG. HEADED STUDS @ 24" O.C. (GALV.) — CONT. L3 x 3 x ⅜ W/ ½"ϕ x 6" LG. HEADED STUDS @ 24" O.C. (GALV.)

1/2" — TOOL ¼" JOINT FILL W/ SEALANT — TOOL ¼" JOINT FILL W/ SEALANT

CONT. L2½ x 2½ x ⅜ (GALV.) CONT. WELD TO L3 x 3

RIGID INSULATION

DETAIL A

FOR PERIMETER INSULATION PROTECTION BOARD, SEE RFI #023

2" 10" ℄ FOOTING

PRE-ENGINEERED METAL BUILDING COLUMN — SEE ANCHOR BOLT SCHEDULE FOR SIZE AND QUANTITY. SEE PEMB. DWGS. FOR LAYOUT

ISOLATION JOINT — CONC. SLAB ON GRADE

EL. 100'-0" — EL. SEE PLAN

SEE PIER DETAILS. — HAIRPIN AROUND ANCHOR BOLTS WHERE NOTED ON PLAN.

PERIMETER INSULATOR SEE ARCH. DWGS.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 6 — 3/4" = 1'-0"

BLDG. LINE — 2" 2"

COLD-FORMED METAL FRAMING — ISOLATION JOINT — CONC. SLAB ON GRADE

6" CMU GROUTED SOLID — EL. 100'-0"

8" CMU GROUT TOP COURSE SOLID CONT.

PERIMETER INSULATOR SEE ARCH. DWGS.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 7 — 3/4" = 1'-0"

BOLTS BY BUILDING SUPPLIER — BRACKET BY BUILDING SUPPLIER — CHAMFER EXPOSED EDGES — CAST-IN-PLACE CONCRETE WALL

PRE-ENGINNERED STRUCTURE — (4) ½"ϕ STAINLESS STEEL THREADED RODS @ EA. FRAME EMBED. 6½" IN EPOXY ADHESIVE (HILTI HY-200)

EL. 106'-0"

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

#6 VERT. @ 12" O.C. #4 HORIZ. @ 12" O.C. EACH FACE — CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

CONC. SLAB ON GRADE

EL. 100'-0"

#6 @ 12" O.C.

2'-6" 1'-0" 2'-6" — EL. 98'-0" — 1'-2"

3" CLR. — (7) #5 CONT. 3 TOP, 4 BOTTOM

SECTION 8 — 3/4" = 1'-0"

BOLTS BY BUILDING SUPPLIER — BRACKET BY BUILDING SUPPLIER — CHAMFER EXPOSED EDGES — CAST-IN-PLACE CONCRETE WALL

EL. 112'-0"

#6 VERT. @ 9" O.C. #4 HORIZ. @ 12" O.C.

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

#6 VERT. @ 18" O.C. #4 HORIZ. @ 12" O.C. — CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

CONC. SLAB ON GRADE

EL. SEE PLAN

3'-0" 1'-4" 3'-8" — #6 @ 12" O.C. — EL. 98'-0" — 1'-4"

3" CLR. — 1'-0" — 2'-0"

#6 VERT. @ 18" O.C. — (2) #4 HORIZ. IN KEYWAY — (10) #5 CONT. 4 TOP, 6 BOTTOM

RFI #016

SECTION 9 — 3/4" = 1'-0"

3 — ½"ϕ x 16" LG. ANCHOR BOLTS @ 24" O.C.

½" WOOD SHEATHING — WOOD 2x8 @ 24" O.C.

ISOLATION JOINT RFI #044 — CONC. SLAB ON GRADE

EL. SEE PLAN

8" CMU W/ #4 VERT. @ 48" O.C. GROUT TOP COURSE SOLID.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 10 — 3/4" = 1'-0"

BLDG. LINE — 2" 8"

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

6" TOPPING SLAB W/ #4 @ 12" O.C. E.W.

EL. 100'-2" — CONC. SLAB ON GRADE. — EL. 100'-0"

6" CMU GROUT SOLID

8" CMU GROUT TOP COURSE SOLID

CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

PERIMETER INSULATOR SEE ARCH. DWGS.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 11 — 3/4" = 1'-0"

BLDG. LINE — 2" 8"

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

6" TOPPING SLAB W/ #4 @ 12" O.C. E.W.

4" CONC. SLAB OVN GRADE — CONC. SLAB ON GRADE.

EL. 100'-0"

8" CMU W/ #4 VERT. @ 48" O.C. — CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 12 — 3/4" = 1'-0"

BLDG. LINE — 2" 8"

EL. 106'-0"

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

CONC. SLAB ON GRADE.

EL. SEE PLAN

8" CMU W/ #4 VERT. @ 24" O.C. GROUT TOP COURSE SOLID.

CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

PERIMETER INSULATOR SEE ARCH. DWGS.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 13 — 3/4" = 1'-0"

THOMAS & MARKER CONSTRUCTION

Jezerinac Geers Structural Engineering

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614.766.0066, fax 614.766.1223
www.jgaeng.com

STATE OF OHIO — PROFESSIONAL ENGINEER — STEVEN R. McCLARREN E-51399 — 5/16/14

BALANCE OF PLANS FOR PERMIT SUBMITTANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
MAY 23, 2014 1
JULY 17, 2014 2
AUGUST 5, 2014 3

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S301

STRUCTURAL CONCRETE DETAILS

SLAB "t"	DOWEL SIZE
6"	¾"ϕ x 16"
7" to 8"	1"ϕ x 18"
9" to 10"	1¼"ϕ x 18"

TOOL SECOND SLAB PLACEMENT W/ SHARP RADIUS EDGER. SAW TO MATCH CONTRACTION JOINTS. FILL WITH TRAFFIC GRADE URETHANE SEALANT.

1/8" t/2 t/4 EL. SEE PLAN

SLEEVE OR GREASE ONE END ONLY — ℄ CONSTR. JOINT — DOWEL PER SCHEDULE @ 12" O.C. SUPPORT WITH DOWEL BASKET OR APPROVED ALTERNATE MEANS. DOWELS MUST BE ALIGNED AND LEVEL.

INDUSTRIAL FLOOR SLAB CONSTRUCTION JOINT

½"ϕ x 16" LG. SMOOTH DOWELS @ 24" O.C.

EL. SEE PLAN

1 2 6" 6"

TYPICAL FLOOR CONSTRUCTION JOINT (NON-INDUSTRIAL USE)

SAWN JOINT TO BE FILLED W/ TRAFFIC GRADE URETHANE SEALANT.

1/8" t/4 EL. SEE PLAN

TYPICAL FLOOR CONTRACTION JOINT

SECTION 1 — 3/4" = 1'-0"

24 DIA. MIN. — INDICATES STEP IN FOOTING ON PLAN

EL. SEE PLAN — 3" CLR. — 3" CLR. — 24" MAX.

BARS TO MATCH FOOTING REINFORCING — 3" CLR. (TYP.)

SECTION 2 — 3/4" = 1'-0"

2" 8"

BLDG. LINE — TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

EL. 100'-2" — CONC. SLAB ON GRADE. — EL. 99'-6"

6" CMU GROUT SOLID — CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

8" CMU GROUT TOP COURSE SOLID — EL. SEE PLAN

PERIMETER INSULATOR SEE ARCH. DWGS.

3" CLR. — SEE FTG. SCHED.

SECTION 3 — 3/4" = 1'-0"

½" EXP. JOINT — SEE SITE DWGS. — CONCRETE SLAB ON GRADE

#4 @ 12" O.C. EACH WAY — EL. SEE PLAN

#4 W/ 24" LEGS @ 12" O.C. — #4 DOWELS W/ 24" LEGS @ 8" O.C.

#4 HORIZ. @ 12" O.C. — 8" CMU

2'-8" — EL. SEE PLAN

8" — 3" CLR. — SEE FTG. SCHED.

TYP. AT MANDOORS

SECTION 4 — 3/4" = 1'-0"

FORM ½" LIP AND SLOPE SLAB AWAY FROM DOOR

2" — #4 W/ 24" LEGS @ 8" O.C. — OVERHEAD DOOR — CONCRETE SLAB ON GRADE

#4 @ 12" O.C. EACH WAY — SEE SITE DWGS. — EL. SEE PLAN

2'-8" — #4 W/ 24" LEGS @ 12" O.C. — DETAIL A

#4 HORIZ. @ 12" O.C. — 8" CMU — EL. SEE PLAN

8" — 3" CLR. — SEE FTG. SCHED.

RFI #021

OH DOOR — ¼" GAP. FILL W/ SEALANT

CONT. L 3 x 3 x ⅜ W/ ½"ϕ x 6" LG. HEADED STUDS @ 24" O.C. (GALV.)

CONT. ℄ ⅜" x 6" W/ ½"ϕ x 6" LG. HEADED STUDS @ 24" O.C. (GALV.)

1'-2" — TOOL ¼" JOINT FILL W/ SEALANT

TOOL ¼" JOINT FILL W/ SEALANT — CONT. L2½ x 2½ x ⅜ (GALV.) CONT. WELD TO L3 x 3

RIGID INSULATION

DETAIL A

FOR PERIMETER INSULATOR/ PROTECTION BOARD, SEE RFI - 023

TYP. AT OVERHEAD DOORS

SECTION 5 — 3/4" = 1'-0"

BOLTS BY BUILDING SUPPLIER — PRE-ENGINNERED STRUCTURE

BRACKET BY BUILDING SUPPLIER — (4) ½"ϕ STAINLESS STEEL THREADED RODS @ EA. FRAME EMBED. 6½" IN EPOXY ADHESIVE (HILTI HY-200)

CHAMFER EXPOSED EDGES — EL. 112'-0"

CAST-IN-PLACE CONCRETE WALL — #6 VERT. @ 9" O.C. #4 HORIZ. @ 12" O.C.

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

#6 VERT. @ 18" O.C. #4 HORIZ. @ 12" O.C. — CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

CONC. SLAB ON GRADE — EL. SEE PLAN

3'-0" — 1'-4" — 3'-8" — #6 @ 12" O.C. — EL. 98'-0"

1'-4"

3" CLR. — 1'-0" — RFI 016

#6 VERT. @ 18" O.C. — (2) #4 HORIZ. IN KEYWAY — (10) #5 CONT. 4 TOP, 6 BOTTOM — 2'-0"

SECTION 9 — 3/4" = 1'-0"

½" WOOD SHEATHING

3 ½"ϕ x 16" LG. ANCHOR BOLTS @ 24" O.C.

WOOD 2x8 @ 24" O.C.

ISOLATION JOINT RFI #044

CONC. SLAB ON GRADE

EL. SEE PLAN

8" CMU W/ #4 VERT. @ 48" O.C. GROUT TOP COURSE SOLID.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 10 — 3/4" = 1'-0"

2" 10" — ℄ FOOTING

PRE-ENGINEERED METAL BUILDING COLUMN

SEE ANCHOR BOLT SCHEDULE FOR SIZE AND QUANTITY. SEE PEMB. DWGS. FOR LAYOUT

ISOLATION JOINT — CONC. SLAB ON GRADE

EL. 100'-0" — EL. SEE PLAN

SEE PIER DETAILS. — HAIRPIN AROUND ANCHOR BOLTS WHERE NOTED ON PLAN.

PERIMETER INSULATOR SEE ARCH. DWGS. — EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 11 — 3/4" = 1'-0"

2" 8"

BLDG. LINE — TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

6" TOPPING SLAB W/ #4 @ 12" O.C. E.W.

EL. 100'-2" — CONC. SLAB ON GRADE. — EL. 100'-0"

6" CMU GROUT SOLID

8" CMU GROUT TOP COURSE SOLID — CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

PERIMETER INSULATOR SEE ARCH. DWGS. — EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 12 — 3/4" = 1'-0"

2" 8"

BLDG. LINE — TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

6" TOPPING SLAB W/ #4 @ 12" O.C. E.W.

4" CONC. SLAB O.N. GRADE — CONC. SLAB ON GRADE.

EL. 100'-0"

8" CMU W/ #4 VERT. @ 48" O.C. — CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

EL. SEE PLAN

3" CLR. — SEE FTG. SCHED.

SECTION 13 — 3/4" = 1'-0"

BOLTS BY BUILDING SUPPLIER — PRE-ENGINNERED STRUCTURE

BRACKET BY BUILDING SUPPLIER — (4) ½"ϕ STAINLESS STEEL THREADED RODS @ EA. FRAME EMBED. 6½" IN EPOXY ADHESIVE (HILTI HY-200)

CHAMFER EXPOSED EDGES — EL. 106'-0"

CAST-IN-PLACE CONCRETE WALL

#6 VERT. @ 12" O.C. #4 HORIZ. @ 12" O.C. EACH FACE — TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

CONC. SLAB ON GRADE

EL. 100'-0"

2'-6" — 1'-0" — 2'-6" — #6 @ 12" O.C.

EL. 98'-0" — 1'-2"

3" CLR. — (7) #5 CONT. 3 TOP, 4 BOTTOM

SECTION 8 — 3/4" = 1'-0"

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Jezerinac Geers Structural Engineering

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www.jgaeng.com

STATE OF OHIO — STEVEN R. McCLARREN — E-51399 — PROFESSIONAL ENGINEER — 5.16.14

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
MAY 23, 2014 — 1
JULY 17, 2014 — 2
AUGUST 5, 2014 — 3

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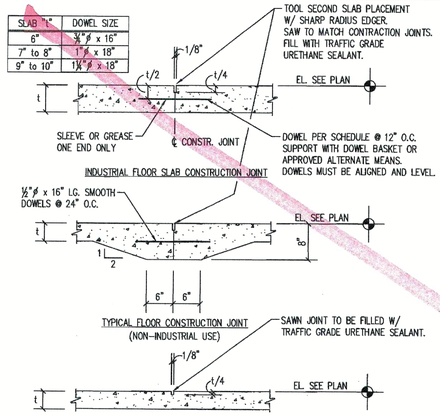
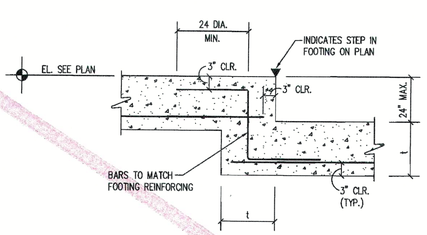
STRUCTURAL CONCRETE DETAILS



SECTION 1 — 3/4" = 1'-0"



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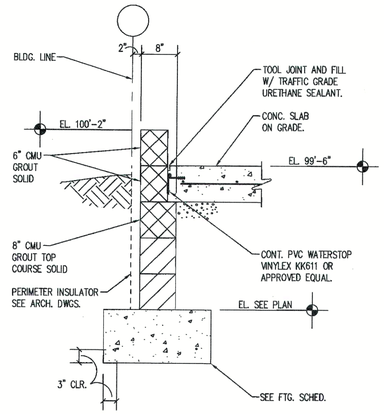

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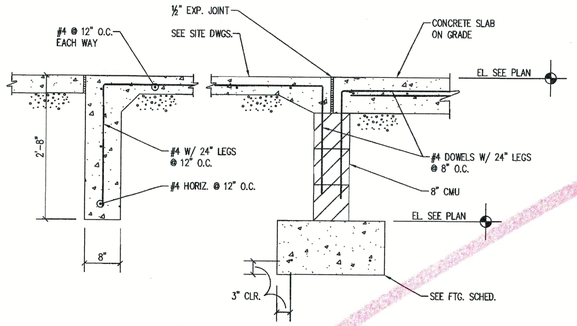
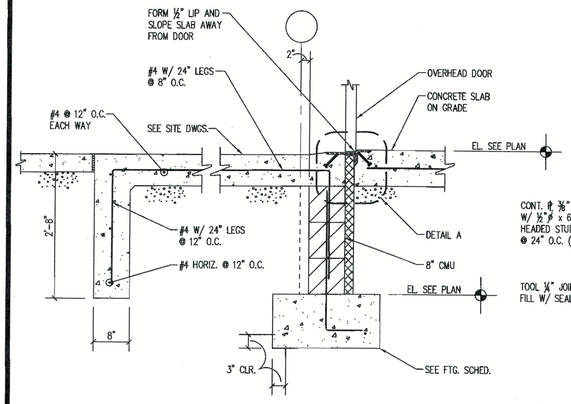
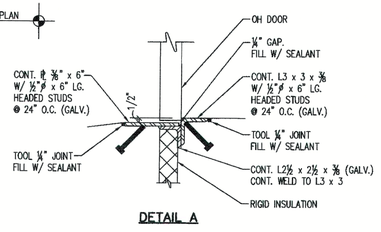


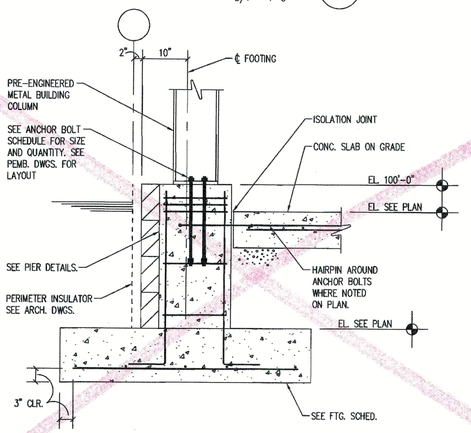
TYP. AT MANDOORS

SECTION 4 — 3/4" = 1'-0"

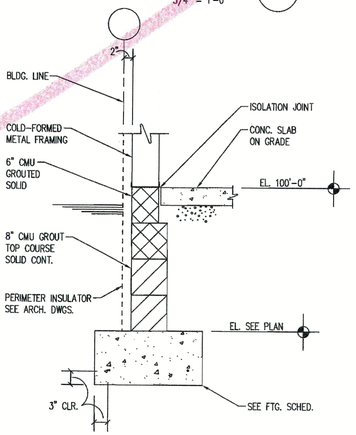




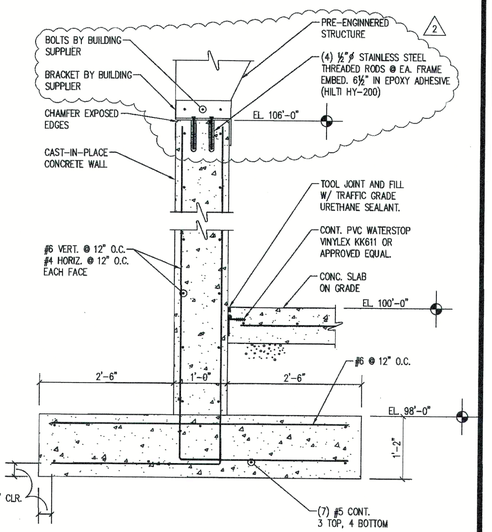
DETAIL A



SECTION 6 — 3/4" = 1'-0"

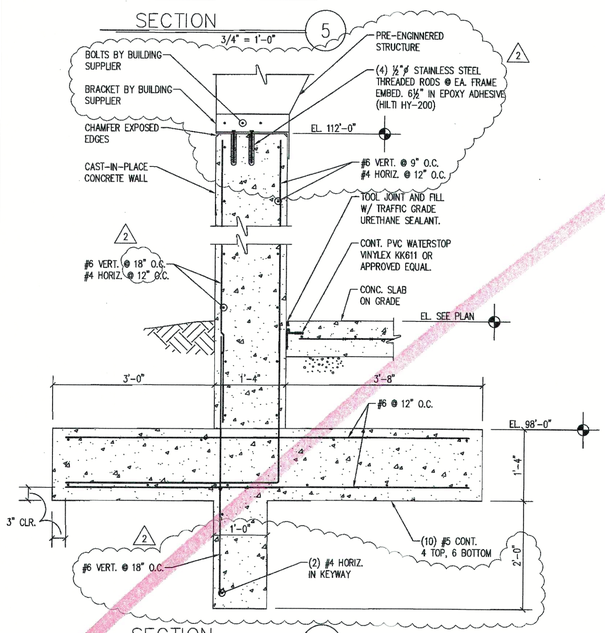


SECTION 7 — 3/4" = 1'-0"

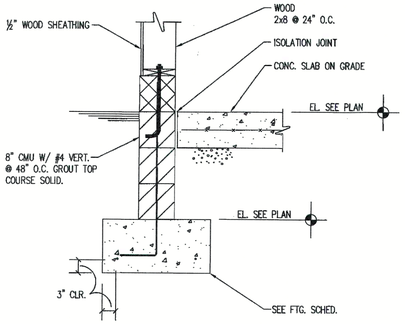


SECTION 8 — 3/4" = 1'-0"

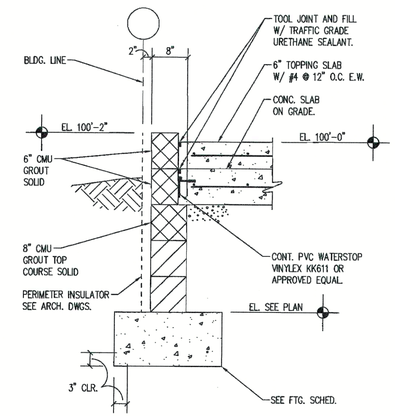
TYP. AT OVERHEAD DOORS



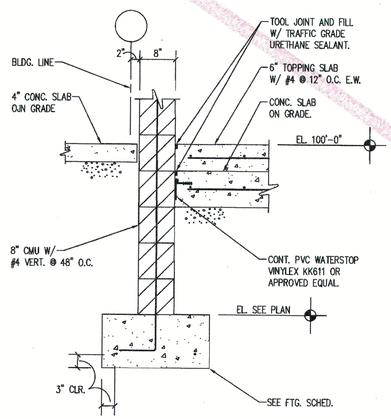
SECTION 9 — 3/4" = 1'-0"



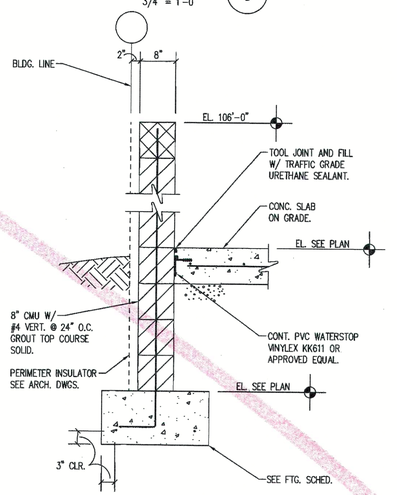
SECTION 10 — 3/4" = 1'-0"



SECTION 11 — 3/4" = 1'-0"



SECTION 12 — 3/4" = 1'-0"



SECTION 13 — 3/4" = 1'-0"

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STATE OF OHIO
STEVEN R. McCARREN
E-54369
REGISTERED PROFESSIONAL ENGINEER
7-18-14

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

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JULY 17, 2014 2

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STRUCTURAL CONCRETE DETAILS

SLAB "t"	DOWEL SIZE
6"	¾"ϕ x 16"
7" to 8"	1"ϕ x 18"
9" to 10"	1¼"ϕ x 18"

TOOL SECOND SLAB PLACEMENT W/ SHARP RADIUS EDGER. SAW TO MATCH CONTRACTION JOINTS. FILL WITH TRAFFIC GRADE URETHANE SEALANT.

SLEEVE OR GREASE ONE END ONLY

℄ CONSTR. JOINT

DOWEL PER SCHEDULE @ 12" O.C. SUPPORT WITH DOWEL BASKET OR APPROVED ALTERNATE MEANS. DOWELS MUST BE ALIGNED AND LEVEL.

INDUSTRIAL FLOOR SLAB CONSTRUCTION JOINT

½"ϕ x 16" LG. SMOOTH DOWELS @ 24" O.C.

TYPICAL FLOOR CONSTRUCTION JOINT (NON-INDUSTRIAL USE)

SAWN JOINT TO BE FILLED W/ TRAFFIC GRADE URETHANE SEALANT.

TYPICAL FLOOR CONTRACTION JOINT

SECTION 1 — 3/4" = 1'-0"

SECTION 2 — 3/4" = 1'-0"

SECTION 3 — 3/4" = 1'-0"

TYP. AT MANDOORS

SECTION 4 — 3/4" = 1'-0"

SECTION 5 — 3/4" = 1'-0"

SECTION 6 — 3/4" = 1'-0"

SECTION 7 — 3/4" = 1'-0"

SECTION 8 — 3/4" = 1'-0"

SECTION 9 — 3/4" = 1'-0"

SECTION 10 — 3/4" = 1'-0"

SECTION 11 — 3/4" = 1'-0"

SECTION 12 — 3/4" = 1'-0"

SECTION 13 — 3/4" = 1'-0"

TYP. AT OVERHEAD DOORS

DETAIL A

RFI #021

FOR PERIMETER INSULATOR/ PROTECTION BOARD, REFER TO RFI #023

RFI 16

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STRUCTURAL CONCRETE DETAILS

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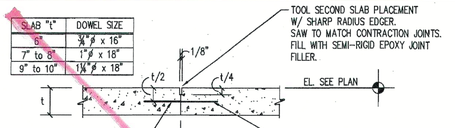
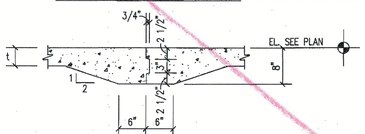
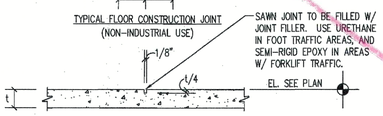
SLAB "t"	DOWEL SIZE
6"	¾"ϕ x 16"
7" to 8"	1"ϕ x 18"
9" to 10"	1¼"ϕ x 18"



INDUSTRIAL FLOOR SLAB CONSTRUCTION JOINT

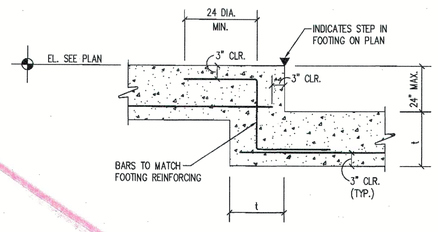


TYPICAL FLOOR CONSTRUCTION JOINT
(NON-INDUSTRIAL USE)

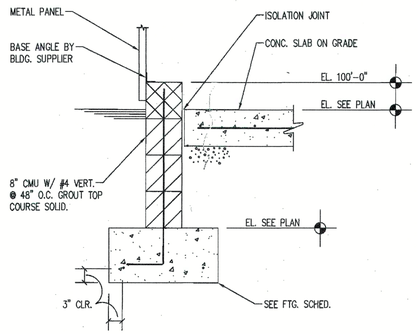


TYPICAL FLOOR CONTRACTION JOINT

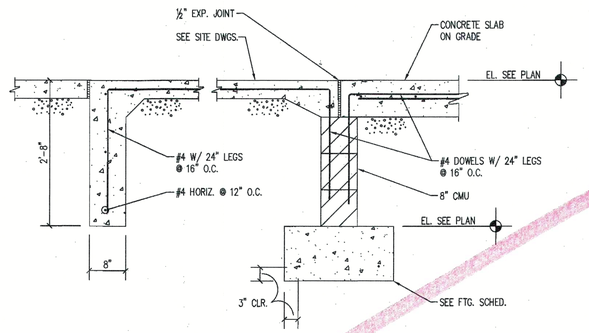
SECTION 1
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"

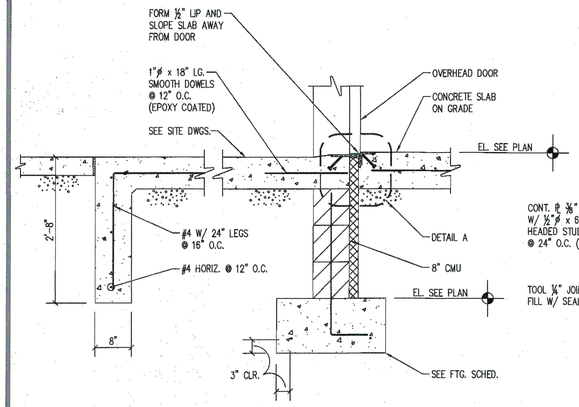


SECTION 3
3/4" = 1'-0"

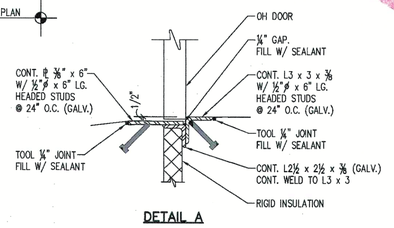


TYP. AT MANDOORS

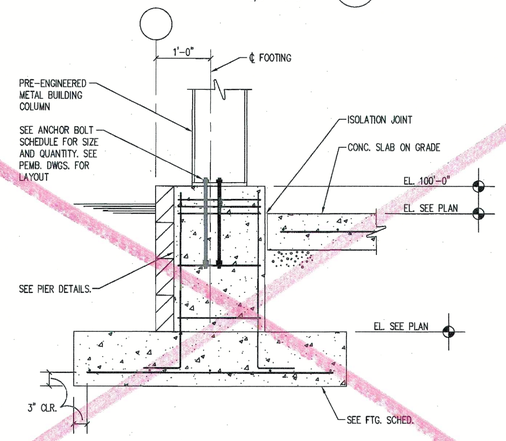
SECTION 4
3/4" = 1'-0"



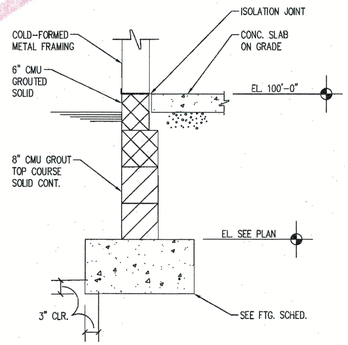
TYP. AT OVERHEAD DOORS



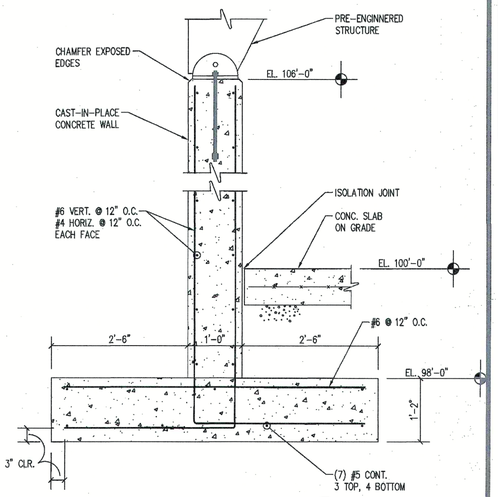
DETAIL A



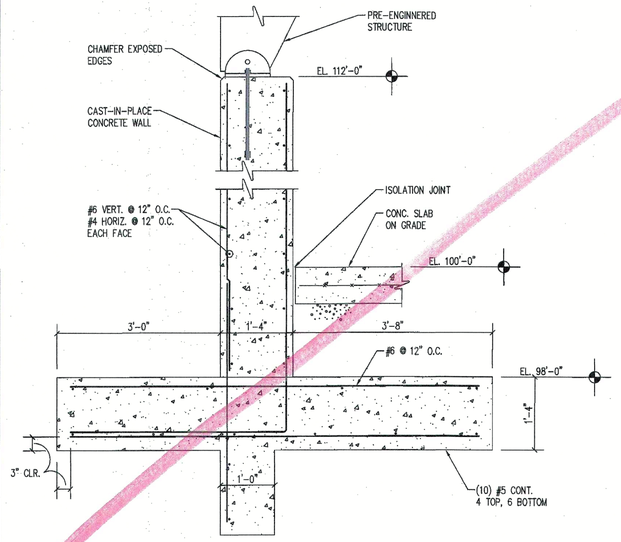
SECTION 6
3/4" = 1'-0"



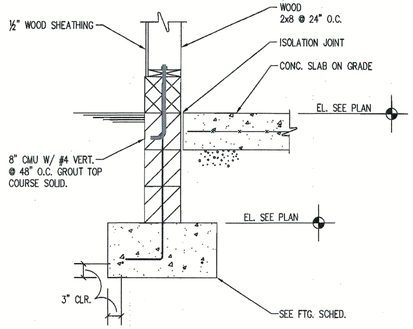
SECTION 7
3/4" = 1'-0"



SECTION 8
3/4" = 1'-0"



SECTION 9
3/4" = 1'-0"



SECTION 10
3/4" = 1'-0"

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MAY 16, 2014

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STRUCTURAL CONCRETE DETAILS

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RFI # 007

REQUEST FOR INFORMATION

TO:	RDI Architects , Jazerinac Geers (JGA)	DATE:	27-Jun-14
ATTN:	Tom Converse , Steve McClarren	PAGE:	1 of 2
EMAIL:	tconverse@rdicolumbus.com	DWG:	S301
FR:	German Gonzalez	SPEC:	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Perimeter Slab Waterstop		

Please see below RFI from our concrete contractor.

Perimeter slab waterstop detail on S/S30, shows a PVC type waterstop at perimeter. After speaking with our supplier and manufacturer, they have concerns about the system being attached to the masonry walls. After consulting with our supplier/manufacturer, Lahko would like to propose using a strip type waterstop (see attached) that is chemical resistant similar to PVC type waterstop. We would propose using this at the CMU areas only, and the PVC type at the concrete foundation wall areas (detail S/S301).

Chemical Resistance Charge - http://www.jpspecialties.com/2013_chemchart.pdf

Please advise

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 4-Jul-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

This type of waterstop is "hydrophilic" which means it expands when exposed to water and moisture. This type should only be used where joints are tied together with reinforcing (non-moving joints), which is not the case in our situation.
Please provide PVC type waterstop.

SLAB "t"	DOWEL SIZE
6"	¾"ϕ x 16"
7" to 8"	1"ϕ x 18"
9" to 10"	1¼"ϕ x 18"

TOOL SECOND SLAB PLACEMENT W/ SHARP RADIUS EDGER. SAW TO MATCH CONTRACTION JOINTS. FILL WITH TRAFFIC GRADE URETHANE SEALANT.

SLEEVE OR GREASE ONE END ONLY

℄ CONSTR. JOINT

DOWEL PER SCHEDULE @ 12" O.C. SUPPORT WITH DOWEL BASKET OR APPROVED ALTERNATE MEANS. DOWELS MUST BE ALIGNED AND LEVEL.

EL. SEE PLAN

INDUSTRIAL FLOOR SLAB CONSTRUCTION JOINT

½"ϕ x 16" LG. SMOOTH DOWELS @ 24" O.C.

TYPICAL FLOOR CONSTRUCTION JOINT (NON-INDUSTRIAL USE)

SAWN JOINT TO BE FILLED W/ TRAFFIC GRADE URETHANE SEALANT.

TYPICAL FLOOR CONTRACTION JOINT

SECTION 1 — 3/4" = 1'-0"

24 DIA. MIN.

INDICATES STEP IN FOOTING ON PLAN

3" CLR.

24" MAX.

BARS TO MATCH FOOTING REINFORCING

SECTION 2 — 3/4" = 1'-0"

BLDG. LINE

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

CONC. SLAB ON GRADE.

EL. 100'-2"

EL. 99'-6"

6" CMU GROUT SOLID

8" CMU GROUT TOP COURSE SOLID

CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

PERIMETER INSULATOR SEE ARCH. DWGS.

SEE FTG. SCHED.

SECTION 3 — 3/4" = 1'-0"

½" EXP. JOINT

#4 @ 12" O.C. EACH WAY

SEE SITE DWGS.

#4 W/ 24" LEGS @ 12" O.C.

#4 HORIZ. @ 12" O.C.

#4 DOWELS W/ 24" LEGS @ 8" O.C.

8" CMU

TYP. AT MANDOORS

FORM ½" LIP AND SLOPE SLAB AWAY FROM DOOR

#4 W/ 24" LEGS @ 8" O.C.

OVERHEAD DOOR

CONCRETE SLAB ON GRADE

#4 @ 12" O.C. EACH WAY

DETAIL A

#4 W/ 24" LEGS @ 12" O.C.

#4 HORIZ. @ 12" O.C.

SEE FTG. SCHED.

OH DOOR

¼" GAP. FILL W/ SEALANT

CONT. ℄ ⅜" x 6" W/ ½"ϕ x 6" LG. HEADED STUDS @ 24" O.C. (GALV.)

CONT. L3 x 3 x ⅜ W/ ½"ϕ x 6" LG. HEADED STUDS @ 24" O.C. (GALV.)

TOOL ¼" JOINT FILL W/ SEALANT

CONT. L2½ x 2½ x ⅜ (GALV.) CONT. WELD TO L3 x 3

RIGID INSULATION

DETAIL A

PRE-ENGINEERED METAL BUILDING COLUMN

SEE ANCHOR BOLT SCHEDULE FOR SIZE AND QUANTITY. SEE PEMB. DWGS. FOR LAYOUT

℄ FOOTING

ISOLATION JOINT

CONC. SLAB ON GRADE

SEE PIER DETAILS.

HAIRPIN AROUND ANCHOR BOLTS WHERE NOTED ON PLAN.

SECTION 4 — 3/4" = 1'-0"

BLDG. LINE

COLD-FORMED METAL FRAMING

6" CMU GROUTED SOLID

8" CMU GROUT TOP COURSE SOLID CONT.

PERIMETER INSULATOR SEE ARCH. DWGS.

BOLTS BY BUILDING SUPPLIER

BRACKET BY BUILDING SUPPLIER

CHAMFER EXPOSED EDGES

CAST-IN-PLACE CONCRETE WALL

PRE-ENGINNERED STRUCTURE

(4) ½"ϕ STAINLESS STEEL THREADED RODS @ EA. FRAME EMBED. 6½" IN EPOXY ADHESIVE (HILTI HY-200)

EL. 106'-0"

#6 VERT. @ 12" O.C.

#4 HORIZ. @ 12" O.C. EACH FACE

#6 @ 12" O.C.

(7) #5 CONT. 3 TOP, 4 BOTTOM

TYP. AT OVERHEAD DOORS

SECTION 5 — 3/4" = 1'-0"

EL. 112'-0"

#6 VERT. @ 9" O.C. #4 HORIZ. @ 12" O.C.

#6 VERT. @ 18" O.C. #4 HORIZ. @ 12" O.C.

EL. 98'-0"

#6 @ 12" O.C.

(10) #5 CONT. 4 TOP, 6 BOTTOM

(2) #4 HORIZ. IN KEYWAY

SECTION 6 — 3/4" = 1'-0"

½" WOOD SHEATHING

3 ½"ϕ x 16" LG. ANCHOR BOLTS @ 24" O.C.

WOOD 2x8 @ 24" O.C.

8" CMU W/ #4 VERT. @ 48" O.C. GROUT TOP COURSE SOLID.

SECTION 7 — 3/4" = 1'-0"

6" TOPPING SLAB W/ #4 @ 12" O.C. E.W.

4" CONC. SLAB ON GRADE

8" CMU W/ #4 VERT. @ 48" O.C.

SECTION 8 — 3/4" = 1'-0"

8" CMU W/ #4 VERT. @ 24" O.C. GROUT TOP COURSE SOLID.

SECTION 9 — 3/4" = 1'-0"

SECTION 10 — 3/4" = 1'-0"

SECTION 11 — 3/4" = 1'-0"

SECTION 12 — 3/4" = 1'-0"

SECTION 13 — 3/4" = 1'-0"

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STATE OF OHIO — STEVEN R. McCLARREN — E-51399 — PROFESSIONAL ENGINEER — 5/16/14

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
MAY 16, 2014

REVISED:

MAY 23, 2014 — 1

JULY 17, 2014 — 2

AUGUST 5, 2014 — 3

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STRUCTURAL CONCRETE DETAILS

SLAB "t"	DOWEL SIZE
6"	¾"ϕ x 16"
7" to 8"	1"ϕ x 18"
9" to 10"	1¼"ϕ x 18"

TOOL SECOND SLAB PLACEMENT W/ SHARP RADIUS EDGER. SAW TO MATCH CONTRACTION JOINTS. FILL WITH TRAFFIC GRADE URETHANE SEALANT.

SLEEVE OR GREASE ONE END ONLY

℄ CONSTR. JOINT

DOWEL PER SCHEDULE @ 12" O.C. SUPPORT WITH DOWEL BASKET OR APPROVED ALTERNATE MEANS. DOWELS MUST BE ALIGNED AND LEVEL.

INDUSTRIAL FLOOR SLAB CONSTRUCTION JOINT

½"ϕ x 16" LG. SMOOTH DOWELS @ 24" O.C.

TYPICAL FLOOR CONSTRUCTION JOINT (NON-INDUSTRIAL USE)

SAWN JOINT TO BE FILLED W/ TRAFFIC GRADE URETHANE SEALANT.

TYPICAL FLOOR CONTRACTION JOINT

SECTION 1 — 3/4" = 1'-0"

24 DIA. MIN.

INDICATES STEP IN FOOTING ON PLAN

BARS TO MATCH FOOTING REINFORCING

SECTION 2 — 3/4" = 1'-0"

BLDG. LINE

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

CONC. SLAB ON GRADE.

6" CMU GROUT SOLID

8" CMU GROUT TOP COURSE SOLID

CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

PERIMETER INSULATOR SEE ARCH. DWGS.

SECTION 3 — 3/4" = 1'-0"

#4 @ 12" O.C. EACH WAY

½" EXP. JOINT SEE SITE DWGS.

#4 W/ 24" LEGS @ 12" O.C.

#4 HORIZ. @ 12" O.C.

#4 DOWELS W/ 24" LEGS @ 8" O.C.

8" CMU

TYP. AT MANDOORS

FORM ½" LIP AND SLOPE SLAB AWAY FROM DOOR

#4 W/ 24" LEGS @ 8" O.C.

#4 @ 12" O.C. EACH WAY

SEE SITE DWGS.

OVERHEAD DOOR

CONCRETE SLAB ON GRADE

DETAIL A

#4 HORIZ. @ 12" O.C.

SEE FTG. SCHED.

OH DOOR

¼" GAP. FILL W/ SEALANT

CONT. ℄ ⅜" x 6" W/ ½"ϕ x 6" LG. HEADED STUDS @ 24" O.C. (GALV.)

CONT. L3 x 3 x ⅜ W/ ½"ϕ x 6" LG. HEADED STUDS @ 24" O.C. (GALV.)

TOOL ¼" JOINT FILL W/ SEALANT

CONT. L2½ x 2½ x ⅜ (GALV.) CONT. WELD TO L3 x 3

RIGID INSULATION

DETAIL A

PRE-ENGINEERED METAL BUILDING COLUMN

SEE ANCHOR BOLT SCHEDULE FOR SIZE AND QUANTITY. SEE PEMB. DWGS. FOR LAYOUT

℄ FOOTING

ISOLATION JOINT

CONC. SLAB ON GRADE

SEE PIER DETAILS.

HAIRPIN AROUND ANCHOR BOLTS WHERE NOTED ON PLAN.

SECTION 6 — 3/4" = 1'-0"

BLDG. LINE

COLD-FORMED METAL FRAMING

6" CMU GROUTED SOLID

8" CMU GROUT TOP COURSE SOLID CONT.

SECTION 7 — 3/4" = 1'-0"

BOLTS BY BUILDING SUPPLIER

BRACKET BY BUILDING SUPPLIER

CHAMFER EXPOSED EDGES

CAST-IN-PLACE CONCRETE WALL

PRE-ENGINNERED STRUCTURE

(4) ½"ϕ STAINLESS STEEL THREADED RODS @ EA. FRAME EMBED. 6½" IN EPOXY ADHESIVE (HILTI HY-200)

#6 VERT. @ 12" O.C. #4 HORIZ. @ 12" O.C. EACH FACE

TOOL JOINT AND FILL W/ TRAFFIC GRADE URETHANE SEALANT.

CONT. PVC WATERSTOP VINYLEX KK611 OR APPROVED EQUAL.

#6 @ 12" O.C.

(7) #5 CONT. 3 TOP, 4 BOTTOM

SECTION 8 — 3/4" = 1'-0"

TYP. AT OVERHEAD DOORS

#6 VERT. @ 9" O.C. #4 HORIZ. @ 12" O.C.

#6 VERT. @ 18" O.C. #4 HORIZ. @ 12" O.C.

#6 @ 12" O.C.

(10) #5 CONT. 4 TOP, 6 BOTTOM

#6 VERT. @ 18" O.C.

(2) #4 HORIZ. IN KEYWAY

SECTION 9 — 3/4" = 1'-0"

½" WOOD SHEATHING

WOOD 2x8 @ 24" O.C.

8" CMU W/ #4 VERT. @ 48" O.C. GROUT TOP COURSE SOLID.

SECTION 10 — 3/4" = 1'-0"

6" TOPPING SLAB W/ #4 @ 12" O.C. E.W.

SECTION 11 — 3/4" = 1'-0"

4" CONC. SLAB O.N. GRADE

SECTION 12 — 3/4" = 1'-0"

SECTION 13 — 3/4" = 1'-0"

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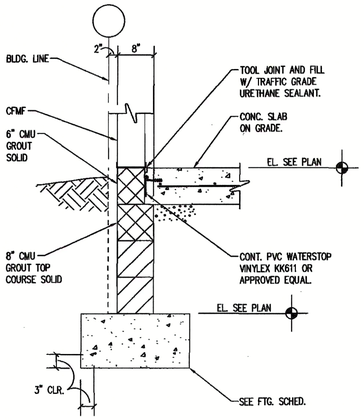

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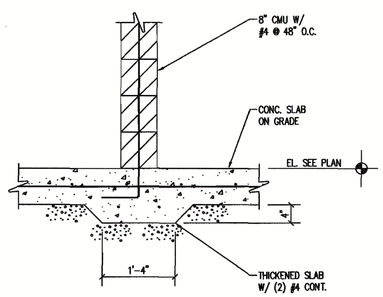

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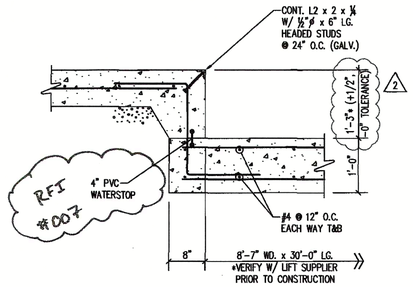

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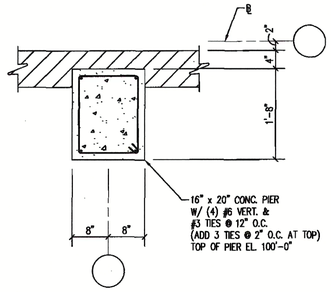

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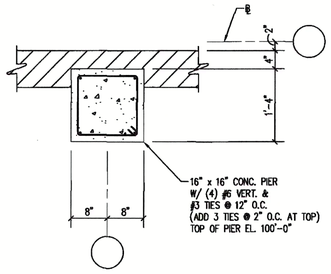

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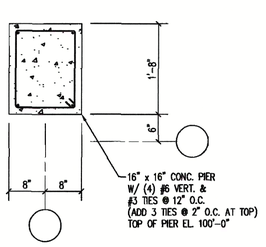

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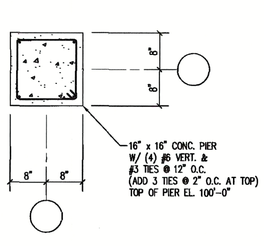

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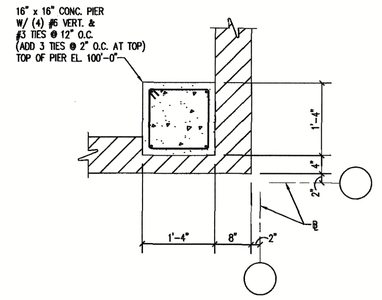

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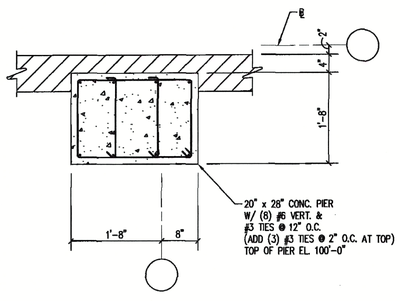

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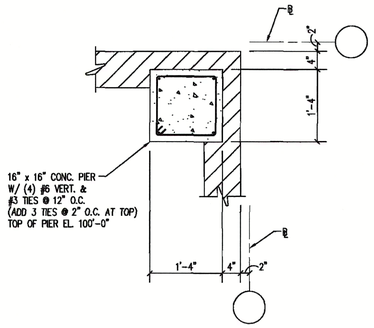

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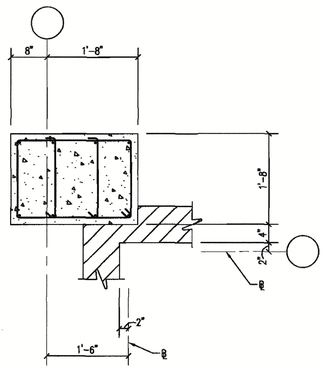

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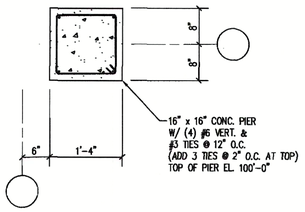

PIER P9

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PROFESSIONAL ENGINEER
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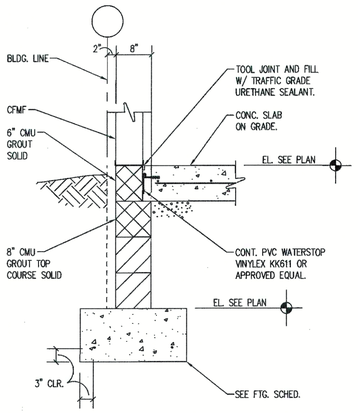
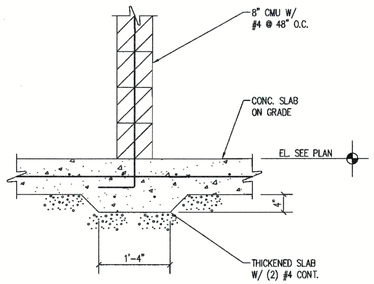


SECTION 1
3/4" = 1'-0"



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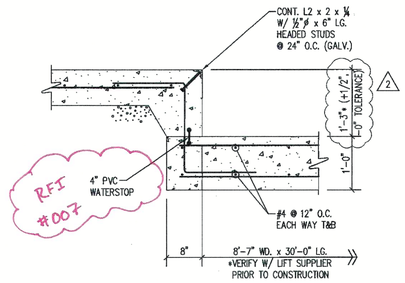

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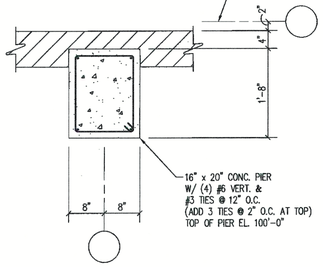
3/4" = 1'-0"



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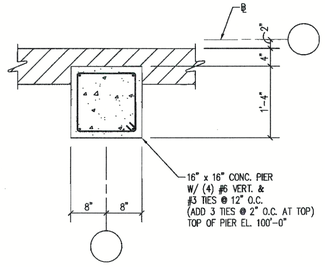

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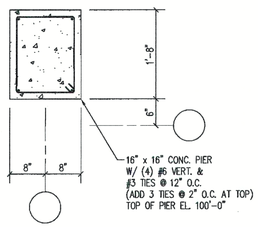

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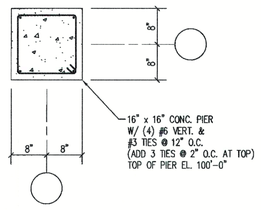

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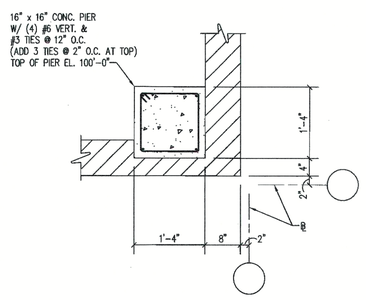

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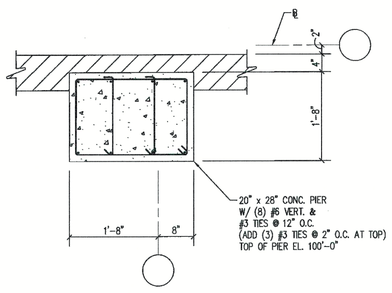

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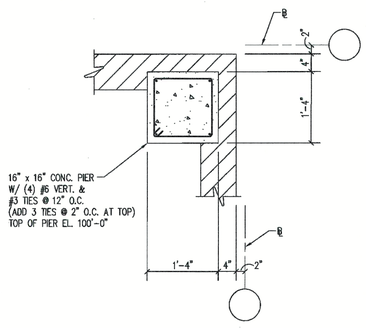

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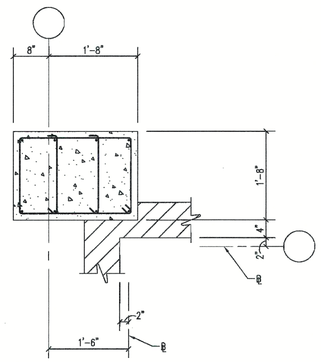

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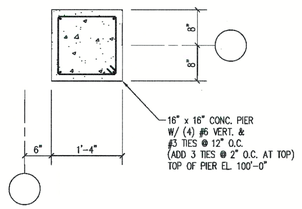

PIER P9

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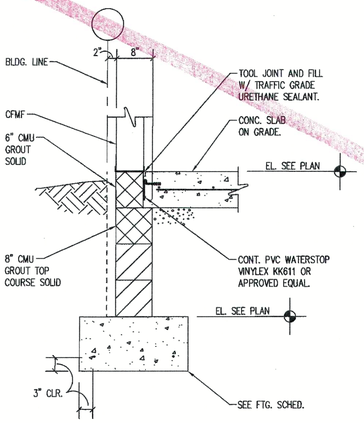
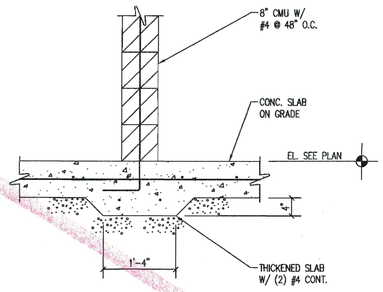


SECTION 1
3/4" = 1'-0"



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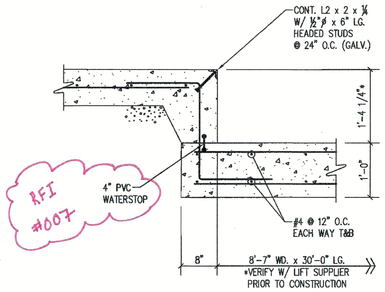

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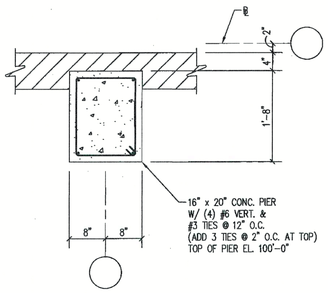

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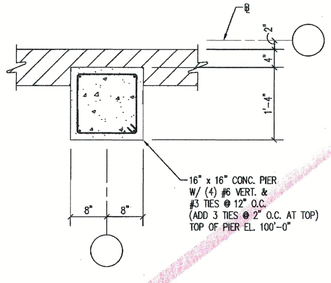

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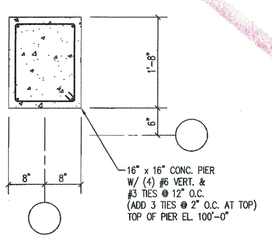

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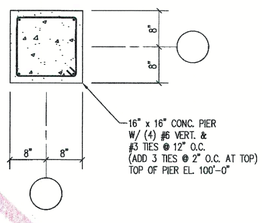

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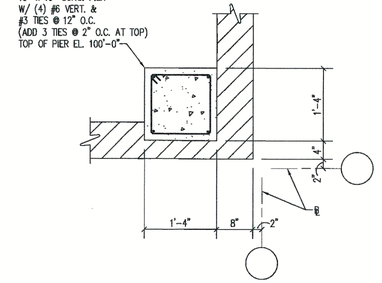

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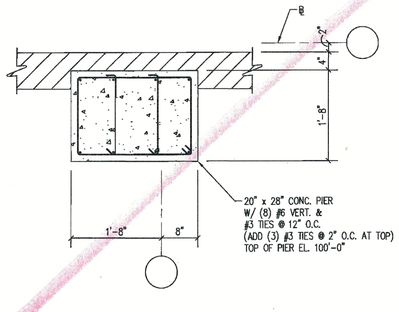

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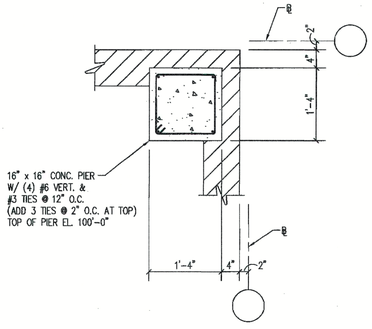

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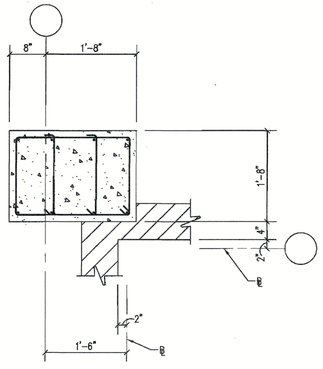

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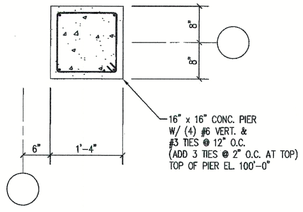

PIER P9

WHOLE SHEET

THOMAS & MARKER CONSTRUCTION

Jezerinac Geers Structural Engineering

Jezerinac Geers & Associates, Inc.
5640 Frantz Road, Dublin, OH 43017
614.766.0066, fax 614.766.1223
www.jgaeng.com

STATE OF OHIO
STEVEN P. McCLARREN
E-51399
REGISTERED PROFESSIONAL ENGINEER
5/16/14

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE
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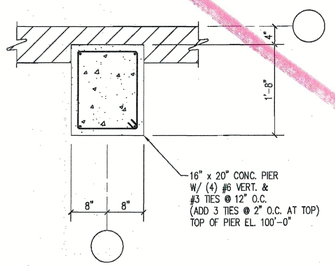
S302

STRUCTURAL CONCRETE DETAILS

\\server\2014 Files\14.05.002 - Athens ODOT Maintenance Facility\S302-Structural Concrete Pier Details.dwg, 5/23/2014 1:05:07 PM



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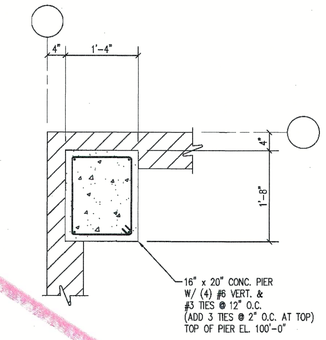

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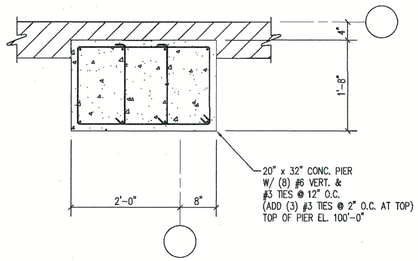

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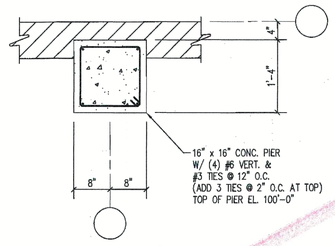

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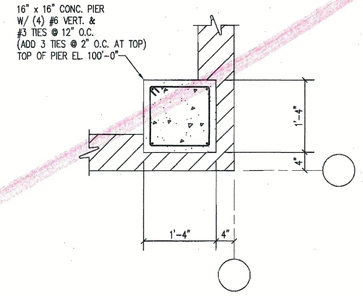

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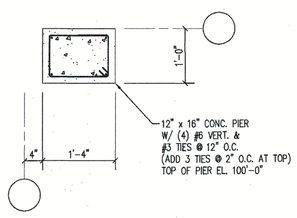

PIER P6

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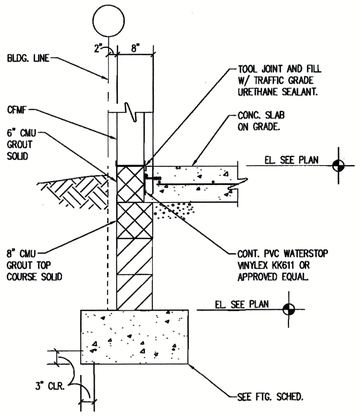
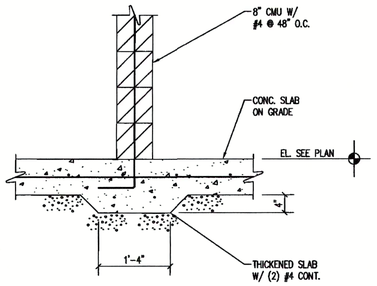


SECTION 1
3/4" = 1'-0"



SECTION 2
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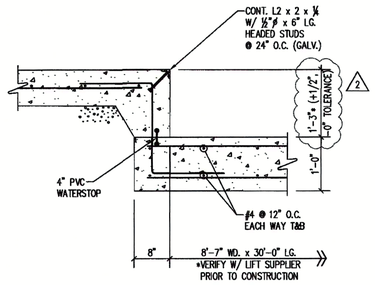

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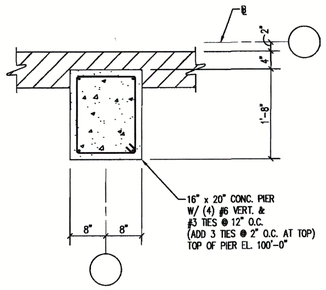

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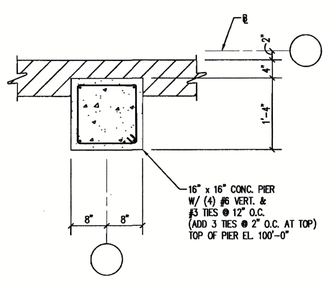

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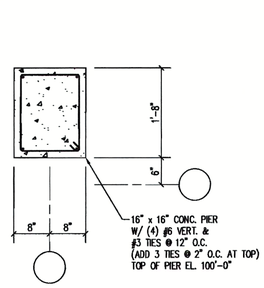

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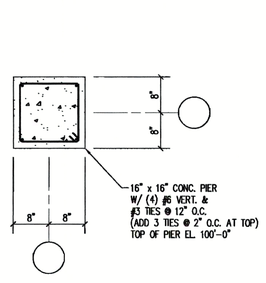
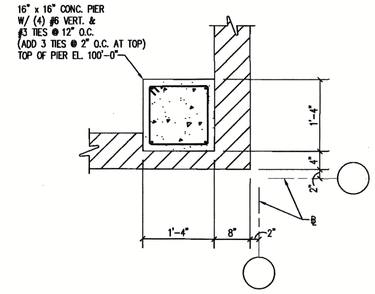


PIER P4



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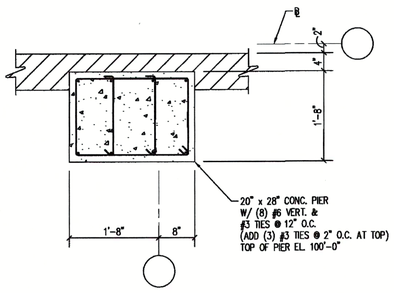

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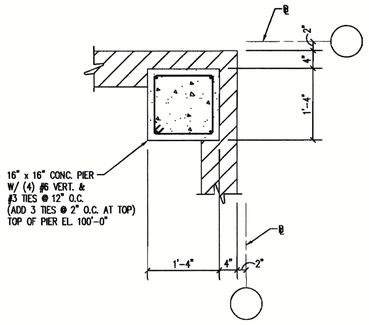

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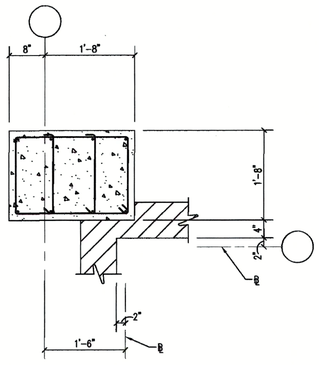

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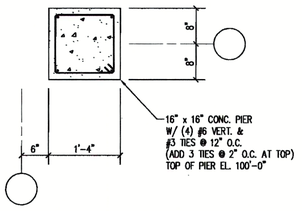

PIER P9

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STATE OF OHIO
STEVEN R. McCLARREN
E-51399
PROFESSIONAL ENGINEER
5/16/14

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

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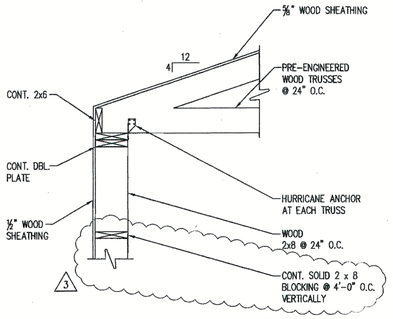
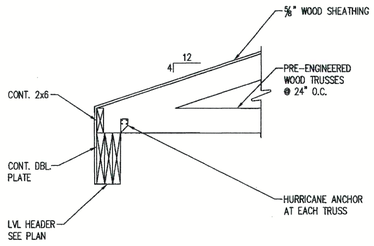


SECTION 1
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"

CRA 4/17/2014
8/18/2014

DIVISION OF INDUSTRIAL COMPLIANCE • BUILDING CODE COMPLIANCE
STATE OF OHIO
DEPARTMENT OF COMMERCE

Final Plan Approval
Examiner: F. Brown

THOMAS & MARKER CONSTRUCTION

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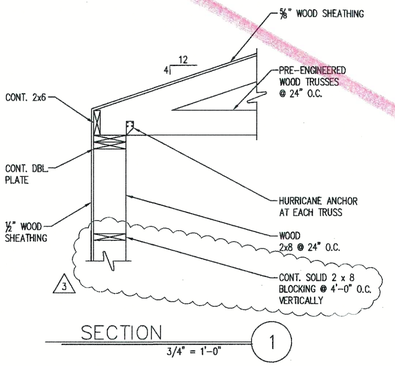

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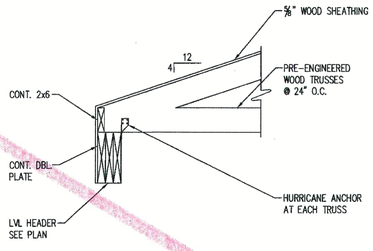

SECTION 2
3/4" = 1'-0"

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ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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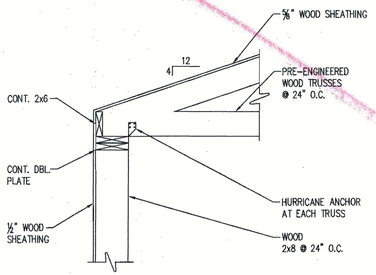

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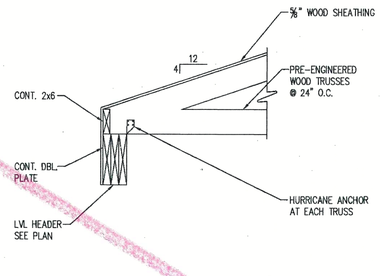

SECTION 2
3/4" = 1'-0"

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DETAILS

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RFI # 028

THOMAS & MARKER CONSTRUCTION

REQUEST FOR INFORMATION

TO:	JGA	DATE:	1-Aug-14
ATTN:	Steve McClarren	PAGE:	1 of 1
EMAIL:		DWG:	N/A
FR:	Joe Hannahs	SPEC:	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Vehicle Maintenance Pier Change		

Please reference attached PEMB shop drawings B1 of 4 from the approved shop drawings and updated sheet B1 of 4.

During the fabrication of the building, the two piers labeled "A" along column line 11 were removed and replaced with a single pier labeled "P" (reference revised drawing). This change was not picked up during the foundation installation.

Please provide a field fix sketch for the necessary repair. Should the existing piers be removed? Can high-early concrete be utilized for the repair so that steel can be continue?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 4-Aug-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

Provide 'F4, P9, AB1' with footing at elevation 97'-4" (identical to foundation at Lines E and E4).
Remove existing piers below floor line.
High-early strength concrete can be used.

DATE OF REPLY: 8/5/2014 SIGNED: Steve McClarren - Jezerinac Geers

FINAL DISTRIBUTION: File, Field

RE: Athens ODOT - Column Pics

Hartle, Terry (GSMMS) <terry.hartle@gulfstatesmanufacturers.com>

Fri 8/15/2014 12:56 PM

To:Andry, Tom <tandry@thomas-marker.com>; Pryor, Billy E. (GSMMS) <billy.pryor@gulfstatesmanufacturers.com>; Ricks, Billy Joe (GSMMS) <BillyJoe.Ricks@gulfstatesmanufacturers.com>;

Cc:Hannahs, Joe <jhannahs@thomas-marker.com>; Gonzalez, German <ggonzalez@thomas-marker.com>; Matulja, Rick <rmatulja@thomas-marker.com>;

Tom, if the holes are off in the column to rafter location, it will be okay to allow the girts to align the column so that it will be plumb and field drill new holes in the rafter to bolt the column in the correct location. The girts are pre-punched and will align the column when bolted together. Thanks

Terry

-----Original Message-----
From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Friday, August 15, 2014 10:22 AM
To: Hartle, Terry (GSMMS); Pryor, Billy E. (GSMMS); Ricks, Billy Joe (GSMMS)
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: RE: Athens ODOT - Column Pics

Terry,
Per our discussion, I have field measured from outside finish of the building to centerline of the column and it measured 1'-5-15/16" or 1'-6". I had my surveyor out for another item yesterday and had him check the location of the pier/anchor bolts along with double checking my dimensions. He found everything to be in the correct location. It appears that the holes in the beam at the top of the column exceed the 1'-6". Please advise on a fix, drill new holes? We will wait for your response to do the fix. Thanks.

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229
Athens ODOT Full Service Facility

From: Hartle, Terry (GSMMS) <terry.hartle@gulfstatesmanufacturers.com>
Sent: Thursday, August 14, 2014 11:04 AM
To: Andry, Tom; Pryor, Billy E. (GSMMS)
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: RE: Athens ODOT - Column Pics

Tom, the steel framing has been set up for a 1'-6" set back. The anchor bolts should have been poured off of our

anchor bolt drawings which has a 1'-6" setback for that location. Per our order, in which the building is built by, a standard set back is set at 1'-6" was furnished. Thanks

Terry

-----Original Message-----
From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Thursday, August 14, 2014 7:08 AM
To: Hartle, Terry (GSMMS); Pryor, Billy E. (GSMMS)
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: Athens ODOT - Column Pics

Terry,
As requested, attached are two photos of the leaning column. According to Gulf States from the finish of the building exterior to centerline of column is 1'6". This dimension should be 1 foot per the contract drawings. Please advise if new holes need to be drilled at the top of the column to make the column Plumb. Currently the holes at the top of the beam is 1'-6" from outside exterior finish. We need an answer by the end of today so that steel erection can continue as this is holding up installing purlins and finishing exterior Girts. Thanks.

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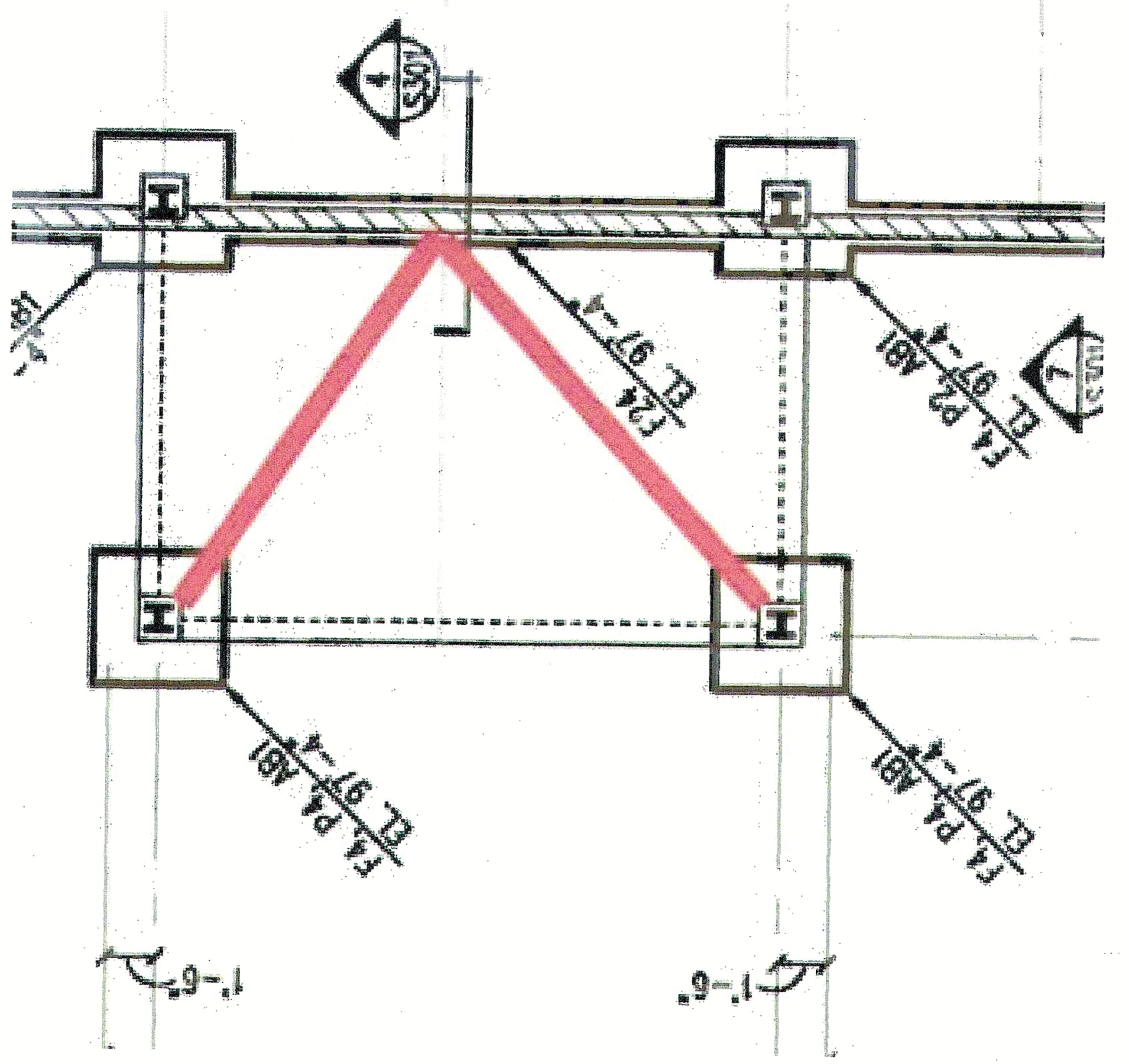


RFI # 021

THOMAS & MARKER CONSTRUCTION

REQUEST FOR INFORMATION

TO:	JGA & RDI Architects	DATE:	17-Jul-14
ATTN:	Steve McClarren & Tom Converse	PAGE:	1 of 1
EMAIL:	smcclarren@jgaeng; tconverse@rdicolumbu	DWG:	SG201, S301
FR:	German Gonzalez	SPEC:	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Overhead Door Footing Dowels		

Please see attached RFI from our concrete contractor.

Per drawing SG201, the drawings show a detail cut (5/S301) through along Column Line 10 from B7 to C4 and along Column Line 1 from B7 to C4. Detail 5 shows and calls out typical at all overhead doors.

Per drawing SG201, the drawings show a detail cut (3/S301) through along Column Line 10 from A7 to B1. This detail shows no footing rebar dowels for masonry. There are overhead doors along Column line 10 from A to B7. Are footing dowels for masonry required at the 3 overhead doors? Is detail 5 on S301 to be used at all overhead doors at the Vehicle Maintenance Building as well?

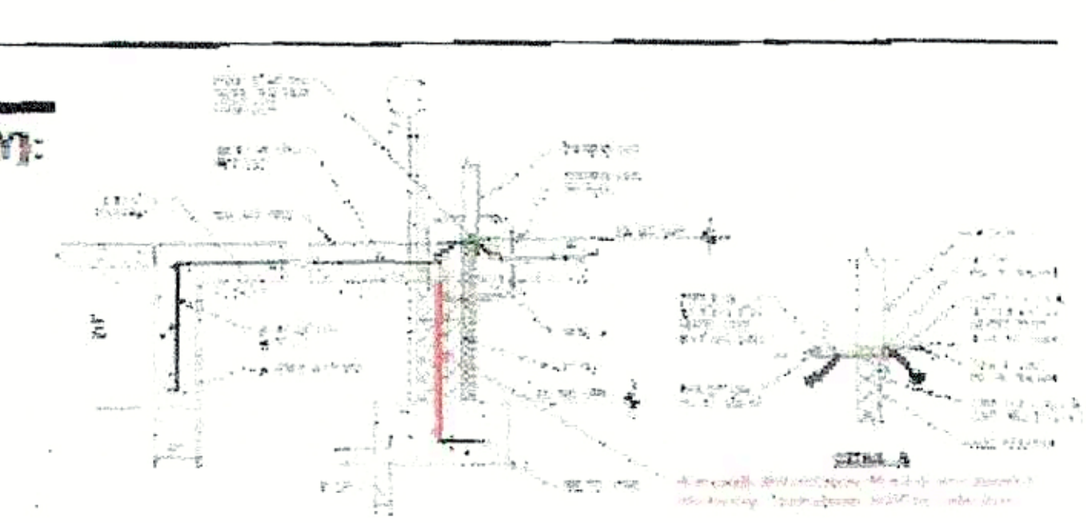
Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 18-Jul-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

Footing dowels are required at all overhead doors. Dowels may be drilled and epoxied into footing per the detail attached.



DATE OF REPLY: 7/18/2014 SIGNED: Steve McClarren - Jezerinac Geers

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

RFI # 022

THOMAS & MARKER CONSTRUCTION

REQUEST FOR INFORMATION

TO:	JGA & RDI Architects	DATE:	18-Jul-14
ATTN:	Steve McClarren & Tom Converse	PAGE:	1 of 3
EMAIL:	smcclarren@jgaeng; tconverse@rdicolumbu	DWG:	See attached
FR:	German Gonzalez	SPEC:	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Dimensions		

Please see attached RFI.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 18-Jul-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

See attached.

DATE OF REPLY: 7/18/2014 SIGNED: Steve McClarren - Jezerinac Geers

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

RFI # 024

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

REQUEST FOR INFORMATION

TO:	JGA & RDI Architects	DATE:	25-Jul-14
ATTN:	Steve McClarren & Tom Converse	PAGE:	1 of 1
EMAIL:	smcclarren@jgaeng; tconverse@rdicolumbu	DWG:	N/A
FR:	German Gonzalez	SPEC:	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Anchor Bolt Placement		

Please see attached RFI from our concrete subcontractor.

After completing our as built anchor bolts, there is one set off on A line and 10 line in the truck storage building. Bolts were shifted approximately 1" to the south of theoretical location.

We believe slotting the baseplate would be best solution for this. Please advise if there is anything we need to do.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 28-Jul-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

SLOT BASE PLATE TO ACCEPT AS-BUILT ANCHOR BOLT LOCATIONS. PROVIDE PLATE WASHER 3/8"x 2-1/2" x 2-1/2" AT EACH ANCHOR BOLT. WELD PLATE WASHER TO BASE PLATE WITH 3/16" FILLET WELD ON TWO SIDES (MIN).

DATE OF REPLY: 7/28/2014 SIGNED: STEVE MCCLARREN - JEZERINAC GEERS & ASSOC.

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

RE: Athens ODOT

Vladimir Komarov <vkomarov@ctleng.com>

Tue 7/15/2014 1:58 PM

To:Andry, Tom <tandry@thomas-marker.com>;

Good Afternoon Tom,

Yes, the ODOT 613.03 Type 2 low strength mortar is what we want to be using here. The mix consists of 100 lb of cement, 2420 lb of fine aggregate and 210-300lb of water per cubic yard. This mix will meet the criteria of what we are looking for. If you have any questions, don't hesitate to call.

Regards,
Vlad

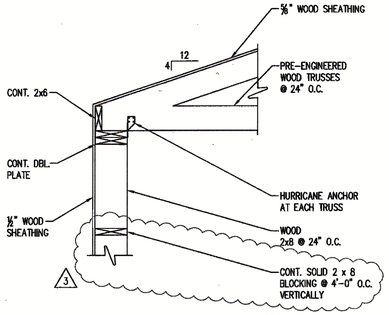
Vladimir P. Komarov
Project Engineer
CTL Engineering
2860 Fisher Rd
Columbus, OH 43204
Office: (614) 276-9371
Cell: (614) 204-2633
Email: vkomarov@ctleng.com
http://cp.mcafee.com/d/k-Kr4zgb5TS61OdPhOrKro7e6zAsZt4SMe7nLt5ASMesd78VWX9JMQsFCzAQsLefCVX129o5j9RlSxtnoBvzOVKpeGKQbGX4HYundLS8efSpvW_cFTKUqeuLsKDss_PVEVud7bUXBHFShjlKYDOEuvkzaT0QSyrhdTVeZXTLuZXCXCODmCvY2fbCP9mGKNGp1IFD_0zOVJB5B4S2NF8Qg24OvMEq80M71w4Cy0SyUrb_NjDtQ

-----Original Message-----
From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Tuesday, July 15, 2014 1:40 PM
To: Vladimir Komarov
Subject: Athens ODOT

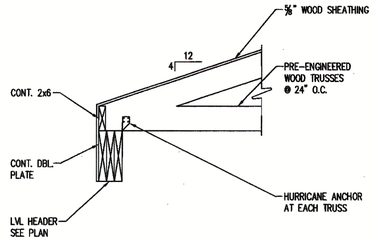
Vlad,
Please confirm that type II LOW STRENGTH MORTAR is to be used in the area of the grits THAT WE ENCOUNTERED WHILE DIGGING FOOTERS. Please specify the other number as well. Need ASAP so we can order.

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P): 614.754.8349



SECTION 1
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"

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E-51,399
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DOT-130006

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BIDDING DOCUMENTS
MAY 16, 2014

REVISED:
MAY 23, 2014 1
JULY 17, 2014 2
AUGUST 5, 2014 3

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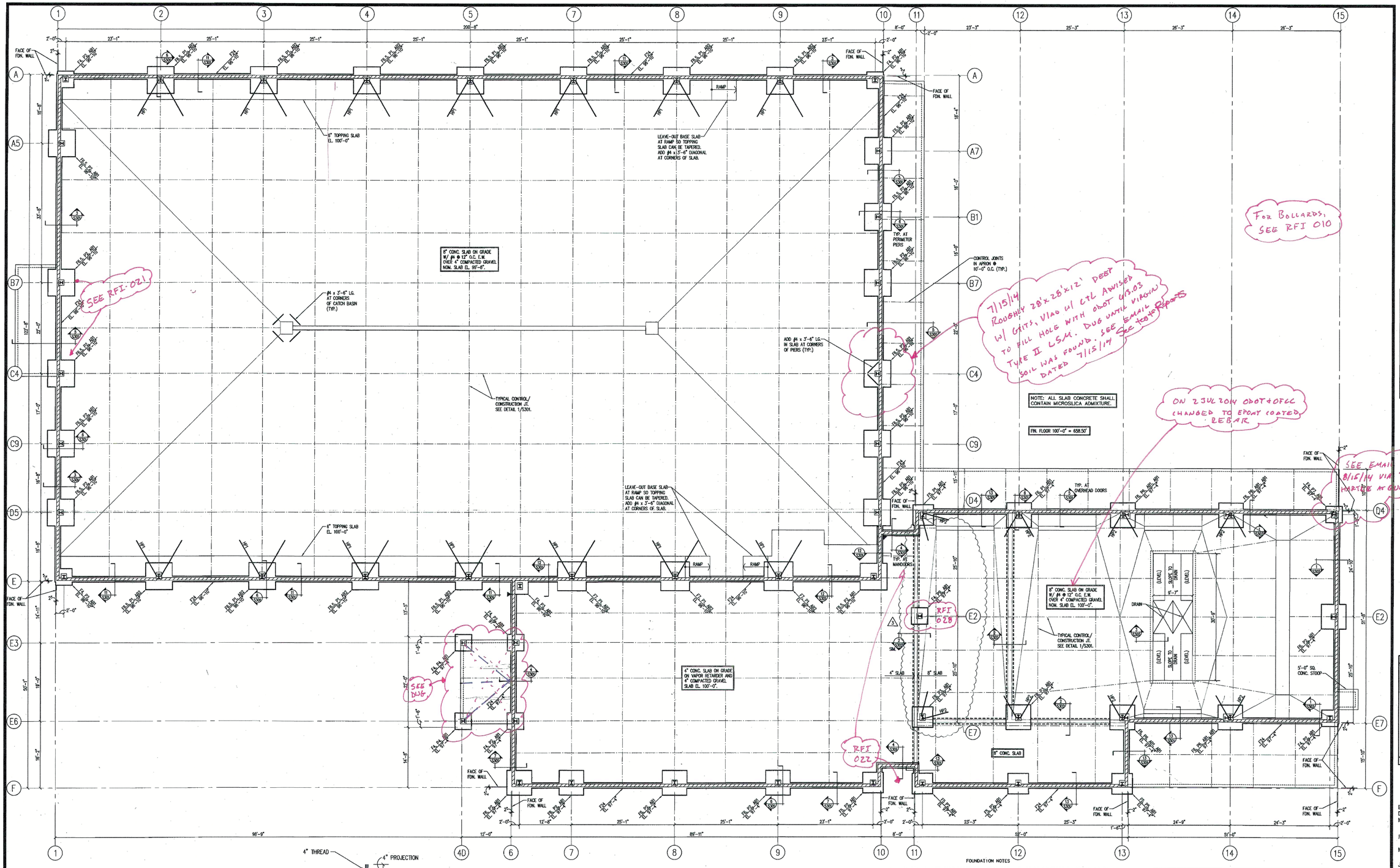
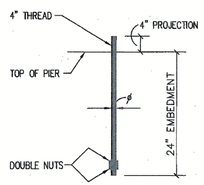
STRUCTURAL FRAMING DETAILS

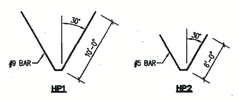


ANCHOR BOLT SCHEDULE	
MARK	SIZE
AB1	(4) ¾" x 28" LG.
AB2	(4) 1¼" x 28" LG.



DOUBLE NUT TYPE

TYPICAL ANCHOR BOLT



GARAGE FOUNDATION PLAN

3/32" = 1'-0"

NORTH

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 2500 PSF. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. SUBSURFACE EXPLORATION PREPARED BY CTL ENGINEERING, DATED 4/9/2014.
3. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH CLASS IV CONCRETE.
4. REFERENCE ELEVATION = TOP OF CONCRETE SLAB ELEVATION = EL. 100'-0". SEE SITE DRAWINGS FOR ABSOLUTE ELEVATION.
5. ELEVATIONS SHOWN ON FOOTINGS INDICATE TOP OF FOOTING.
6. SEE 2/S301 FOR TYPICAL FOOTING STEP SHOWN THUS . STEP AT A RATIO OF ONE VERTICAL TO TWO HORIZONTAL.
7. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS AND SLOPES.
8. SEE DETAIL ON S001 FOR TYPICAL UTILITY TRENCH EXCAVATION CLEARANCE REQUIREMENTS, AND DETAIL FOR PLUMBING UNDER FOOTINGS.
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10. THE FOUNDATIONS HAVE BEEN DESIGNED BASED ON PRELIMINARY DRAWINGS AND REACTIONS PREPARED BY GULF STATE MANUFACTURERS, DATED 5/21/2014. DO NOT BEGIN CONSTRUCTION UNTIL FINAL PRE-ENGINEERED BUILDING DRAWINGS AND REACTIONS HAVE BEEN RECEIVED FROM THE BUILDING SUPPLIER, AND FOUNDATION INFORMATION HAS BEEN VERIFIED.
11. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.

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F7	7'-0" SQ. x 16" DP.	(7) #6 E.W.
F24	2'-0" WD. x 12" DP.	(2) #5 CONT.

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STATE OF OHIO PROFESSIONAL ENGINEER STEVEN R. McLARREN E-51399 7/16/14

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DOT-130006
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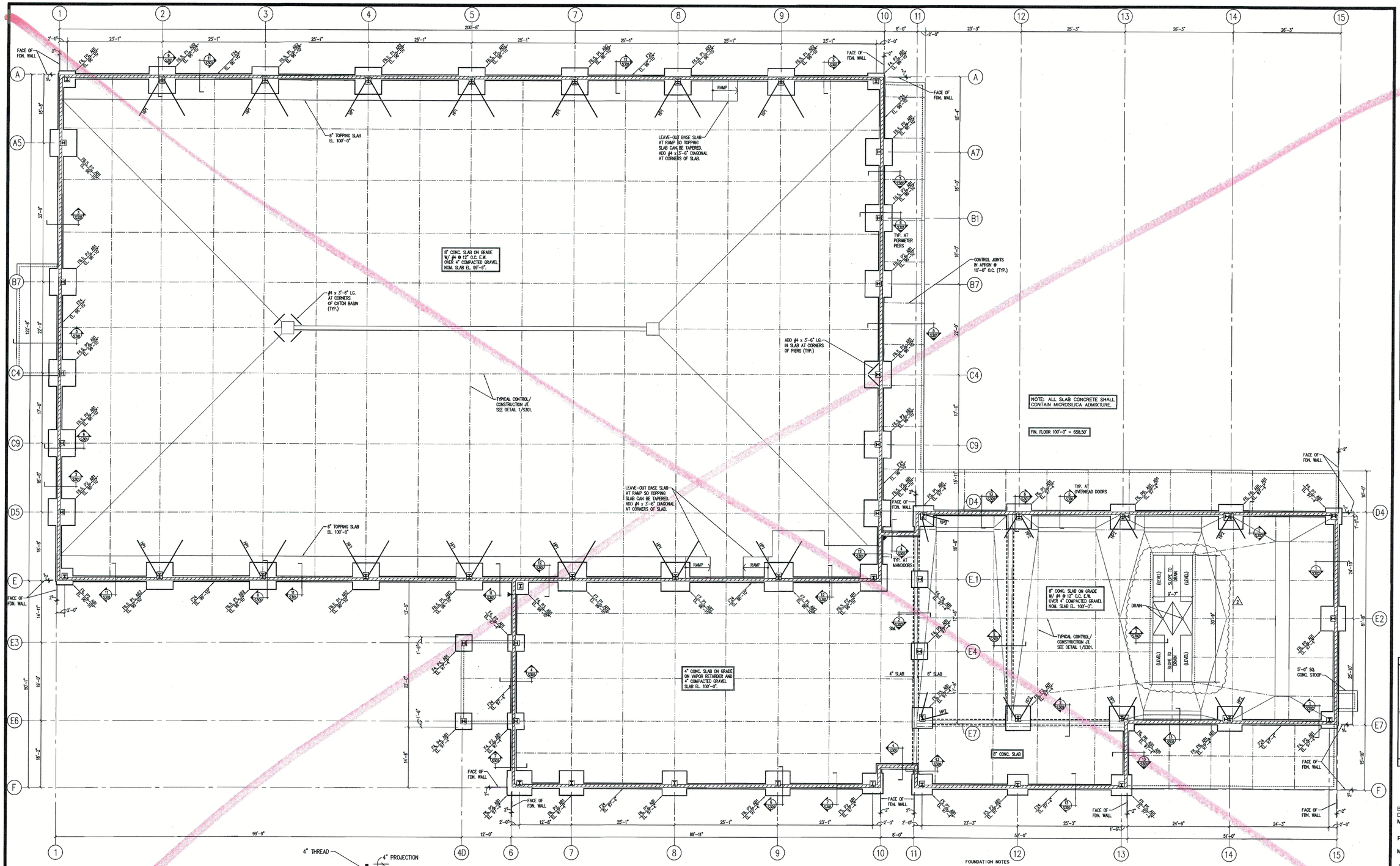
GARAGE FOUNDATION PLAN



GARAGE FOUNDATION PLAN

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NORTH

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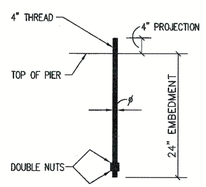

DOUBLE NUT TYPE

TYPICAL ANCHOR BOLT



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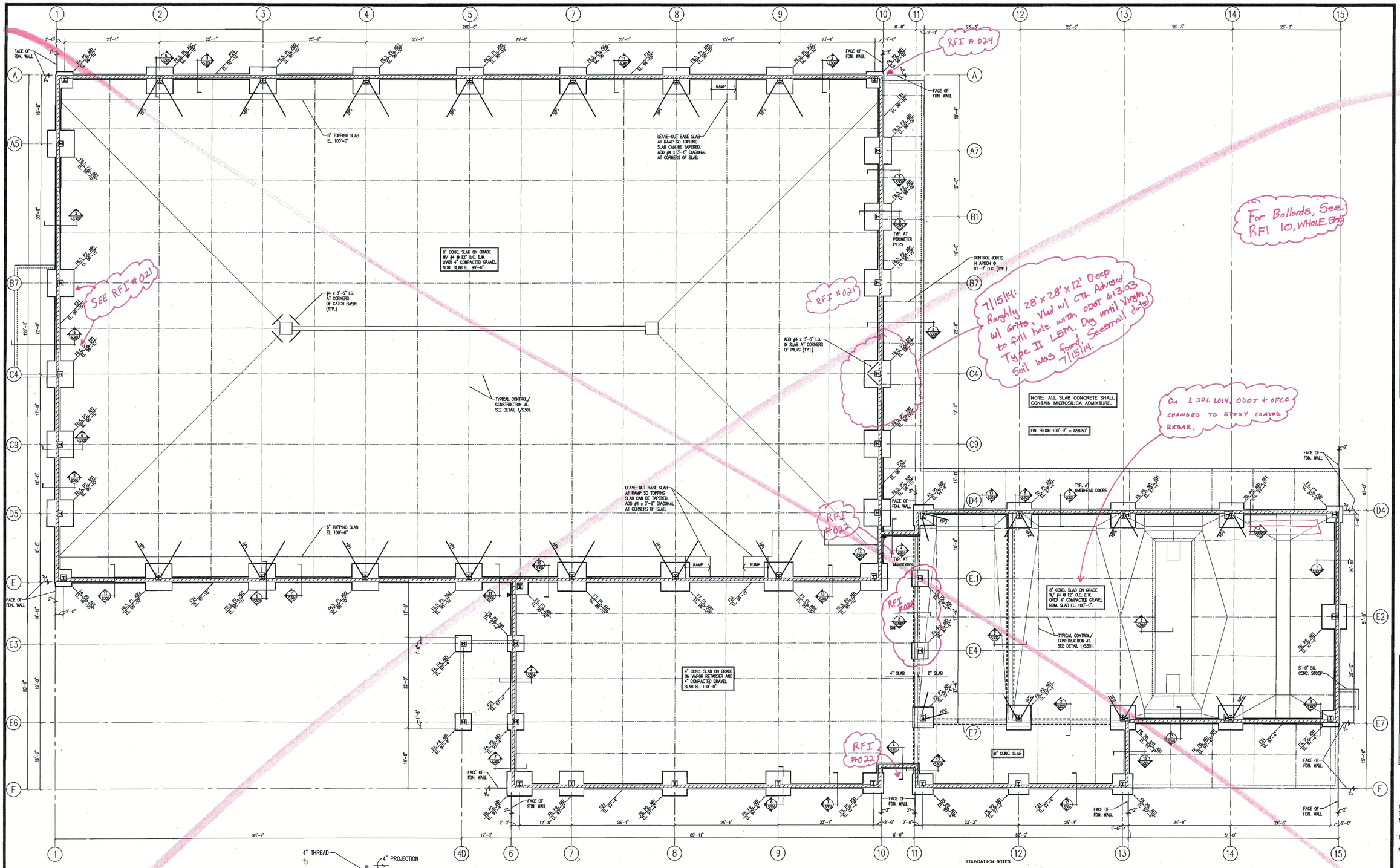
GARAGE FOUNDATION PLAN



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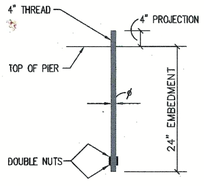

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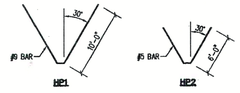

GARAGE FOUNDATION PLAN

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NORTH

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WHOLE SHEET 1

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GARAGE FOUNDATION PLAN

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8" CONC. SLAB ON GRADE W/ #4 @ 12" O.C. E.W. OVER 4" COMPACTED GRAVEL NOM. SLAB EL. 99'-6".

TYPICAL CONTROL/ CONSTRUCTION JT. SEE DETAIL 1/S301.

4" CONC. SLAB ON GRADE ON VAPOR RETARDER AND 4" COMPACTED GRAVEL SLAB EL. 100'-0".

TYP. AT PERIMETER PIERS

TYP. AT MANDOORS

TYP. AT OVERHEAD DOORS

8" CONC. SLAB ON GRADE W/ #4 @ 12" O.C. E.W. OVER 4" COMPACTED GRAVEL NOM. SLAB EL. 100'-0".

TYPICAL CONTROL/ CONSTRUCTION JT. SEE DETAIL 1/S301.

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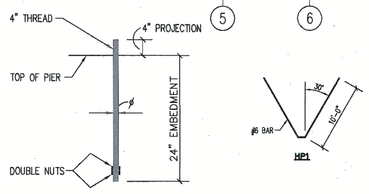

DOUBLE NUT TYPE

TYPICAL ANCHOR BOLT

GARAGE FOUNDATION PLAN

3/32" = 1'-0"

FOUNDATION NOTES

1. ASSUMED DESIGN SOIL BEARING PRESSURE = 2500 PSF. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER. SOIL BEARING PRESSURE WILL BE VERIFIED BY GEOTECHNICAL INVESTIGATION.
2. COLUMN LAYOUT IS PRELIMINARY AND MAY BE ADJUSTED BY THE PRE-ENGINEERED BUILDING MANUFACTURER IS APPROVED BY THE ARCHITECT. FOUNDATION DESIGN WILL BE COMPLETED ONCE FINAL COLUMN LAYOUT AND REACTIONS ARE PROVIDED BY THE BUILDING SUPPLIER.
3. FOR BIDDING PURPOSES, ASSUME TOP OF CONCRETE PIERS AND BOTTOM OF COLUMN BASE PLATES ARE AT ELEVATION 100'-0".
4. SEE SHEET SD01 FOR GENERAL STRUCTURAL NOTES.

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GARAGE FOUNDATION PLAN

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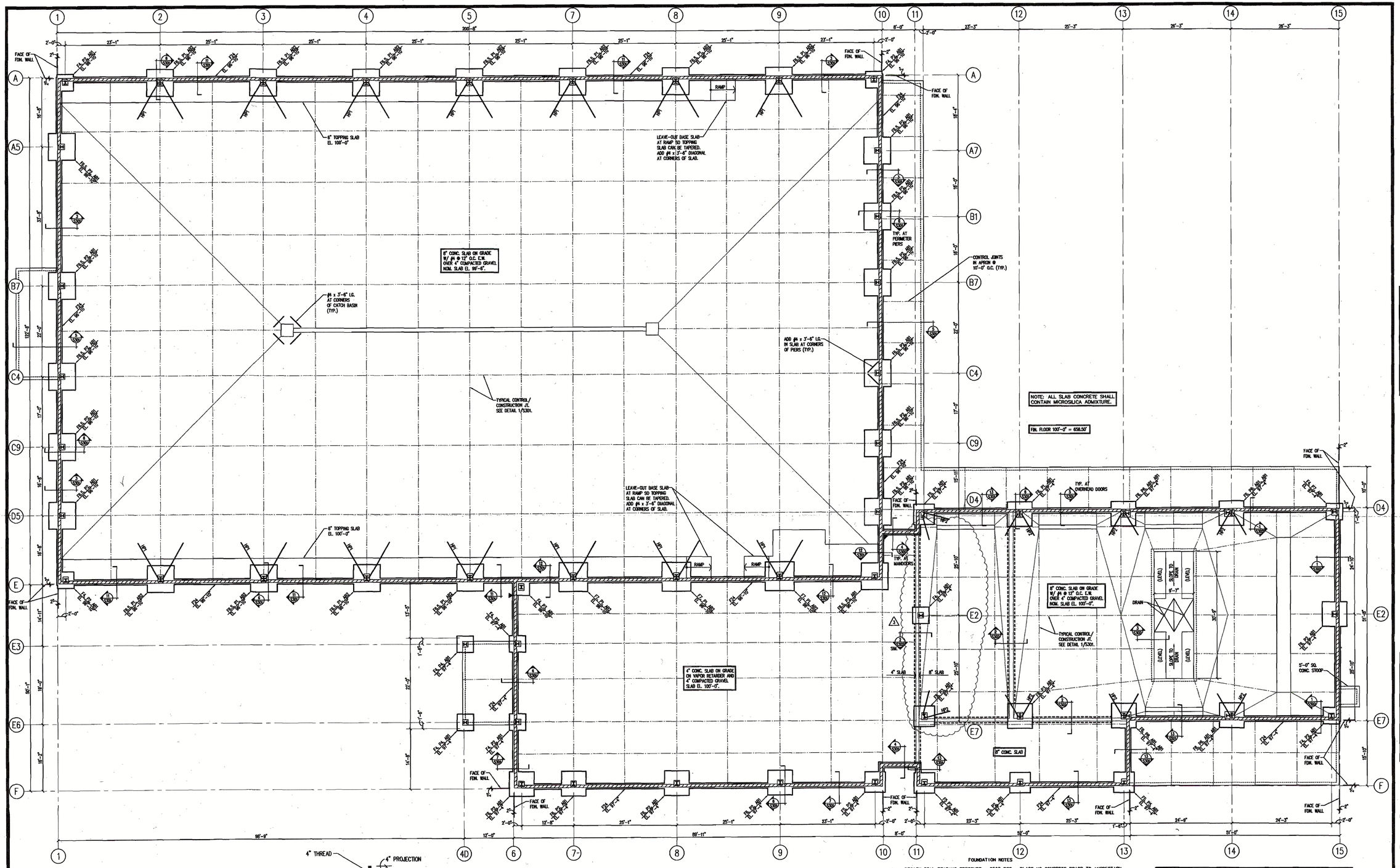

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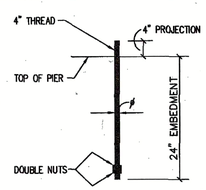
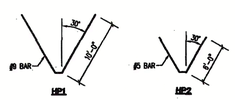


DOUBLE NUT TYPE

TYPICAL ANCHOR BOLT



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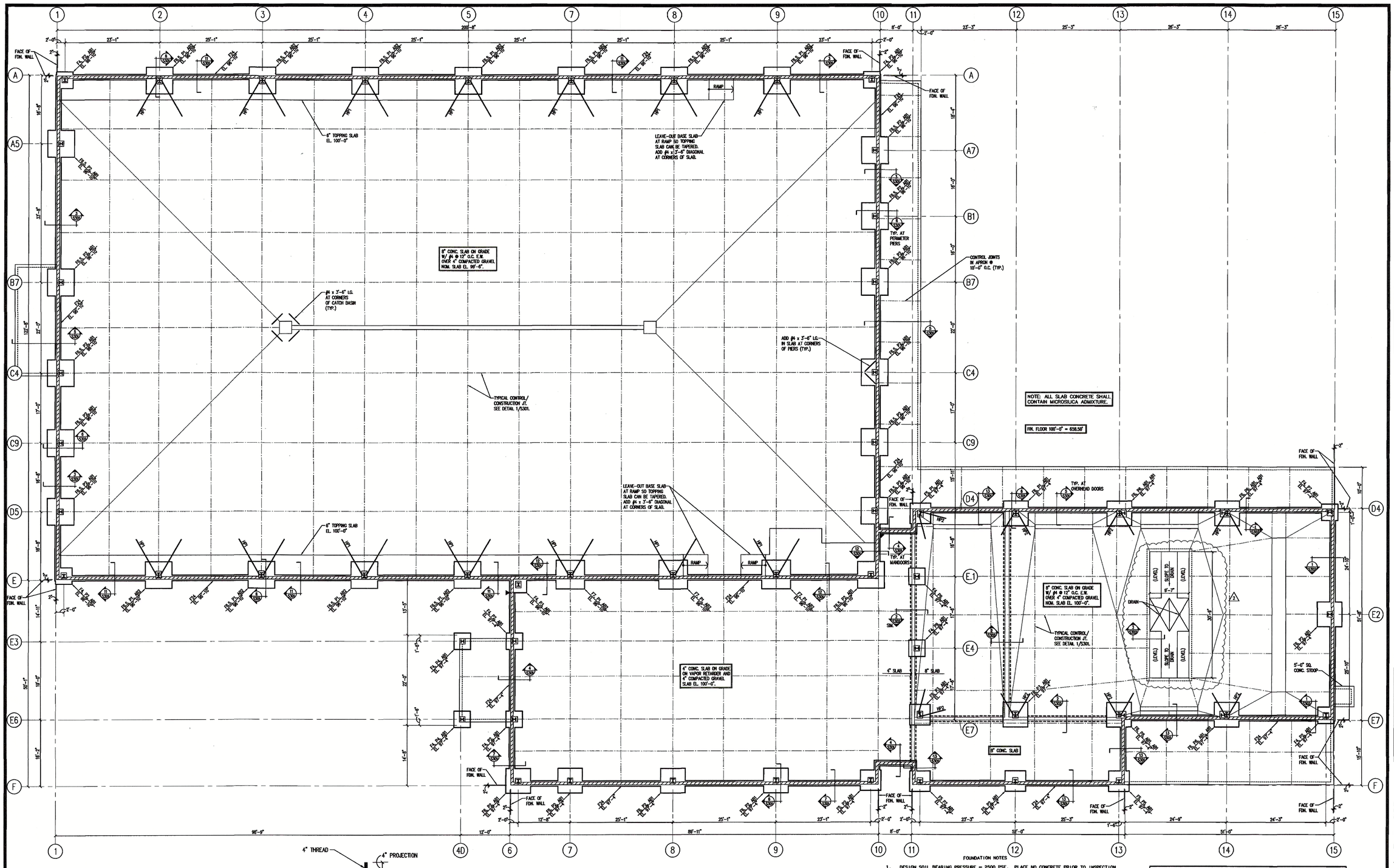

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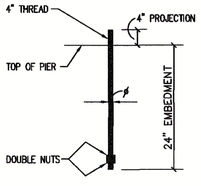
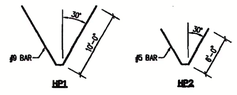


DOUBLE NUT TYPE

TYPICAL ANCHOR BOLT



GARAGE FOUNDATION PLAN

3/32" = 1'-0"

NORTH

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 2500 PSF. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. SUBSURFACE EXPLORATION PREPARED BY CTL ENGINEERING, DATED 4/9/2014.
3. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH CLASS IV CONCRETE.
4. REFERENCE ELEVATION – TOP OF CONCRETE SLAB ELEVATION = EL. 100'-0". SEE SITE DRAWINGS FOR ABSOLUTE ELEVATION.
5. ELEVATIONS SHOWN ON FOOTINGS INDICATE TOP OF FOOTING.
6. SEE 2/S301 FOR TYPICAL FOOTING STEP SHOWN THUS . STEP AT A RATIO OF ONE VERTICAL TO TWO HORIZONTAL.
7. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS AND SLOPES.
8. SEE DETAIL ON S001 FOR TYPICAL UTILITY TRENCH EXCAVATION CLEARANCE REQUIREMENTS, AND DETAIL FOR PLUMBING UNDER FOOTINGS.
9. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE LOCATION AND SIZE OF HOUSEKEEPING PADS. SEE DETAIL ON S001 FOR PAD REINFORCING REQUIREMENTS.
10. THE FOUNDATIONS HAVE BEEN DESIGNED BASED ON PRELIMINARY DRAWINGS AND REACTIONS PREPARED BY GULF STATE MANUFACTURERS, DATED 5/21/2014. DO NOT BEGIN CONSTRUCTION UNTIL FINAL PRE-ENGINEERED BUILDING DRAWINGS AND REACTIONS HAVE BEEN RECEIVED FROM THE BUILDING SUPPLIER, AND FOUNDATION INFORMATION HAS BEEN VERIFIED.
11. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F4	4'-0" SQ. x 12" DP.	(4) #5 E.W.
F5	5'-0" SQ. x 12" DP.	(5) #5 E.W.
F6	6'-0" SQ. x 12" DP.	(6) #5 E.W.
F6.5	6'-6" SQ. x 14" DP.	(6) #6 E.W.
F7	7'-0" SQ. x 16" DP.	(7) #6 E.W.
F24	2'-0" WD. x 12" DP.	(2) #5 CONT.

THOMAS & MARKER CONSTRUCTION

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www.jgaeng.com

STATE OF OHIO
STEVEN R. McLARREN
E-51399
PROFESSIONAL ENGINEER
5.16.14

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

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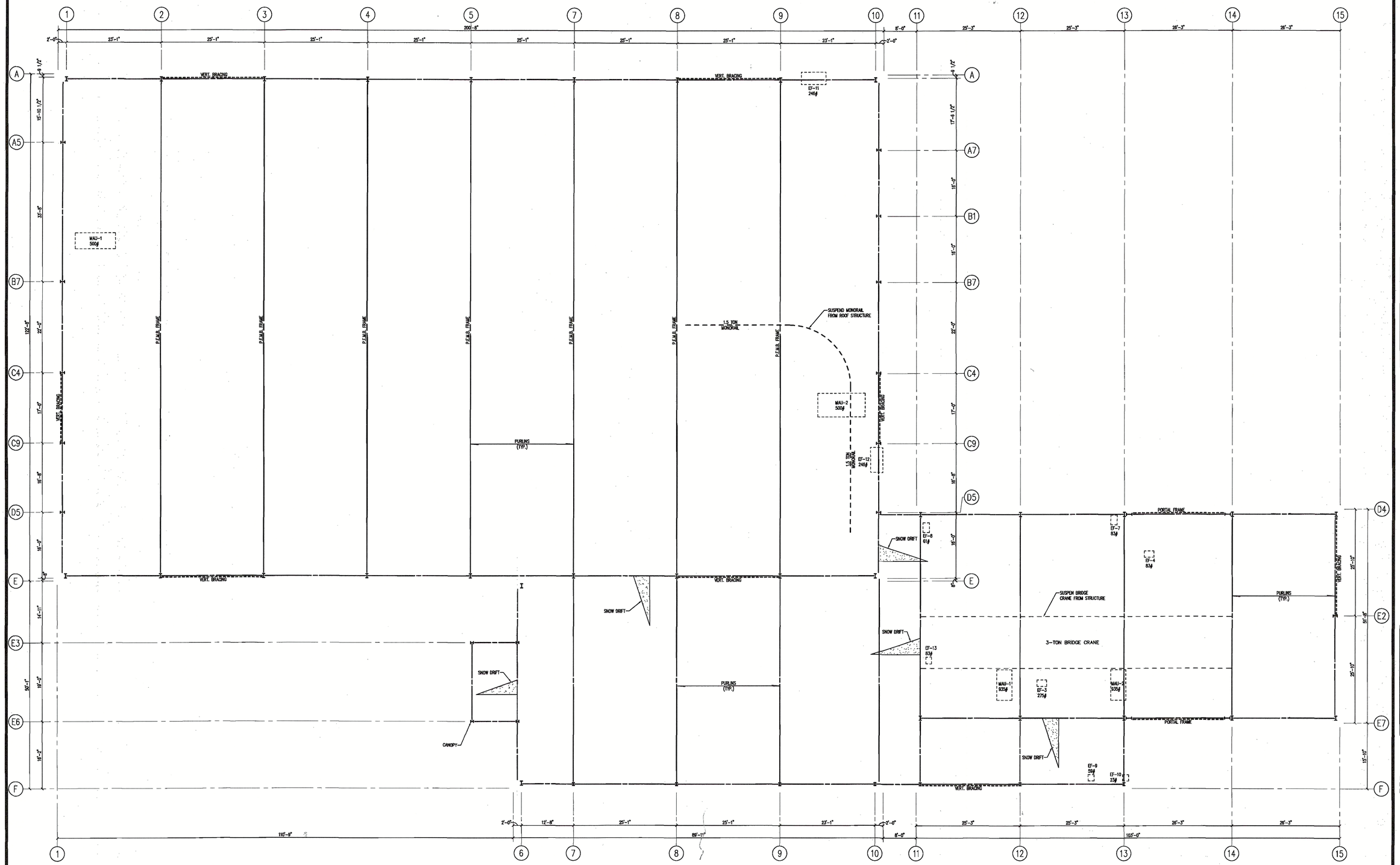
GARAGE FOUNDATION PLAN



GARAGE ROOF FRAMING PLAN

3/32" = 1'-0"

NORTH

P.E.M.B. BID PACKAGE – ROOF FRAMING NOTES

1. DESIGN LIVE LOAD: 25 PSF GROUND SNOW LOAD PLUS SNOW DRIFT, MECHANICAL AND CRANE LOADS
2. COLLATERAL LOADS: OFFICE AREA – 5 PSF ALL OTHER AREAS – 3 PSF (THESE ARE IN ADDITION TO MECHANICAL, CRANE AND OTHER LOADS SPECIFICALLY INDICATED).
3. ROOF CONSTRUCTION: PRE-ENGINEERED METAL BUILDING (PEMB).

   FRAMING SHOWN IS SCHEMATIC IN NATURE AND MAY BE ADJUSTED BY THE BUILDING SUPPLIER IF APPROVED BY THE ARCHITECT. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4. SEE SHEET S1.0 FOR GENERAL STRUCTURAL NOTES.

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GARAGE ROOF FRAMING PLAN

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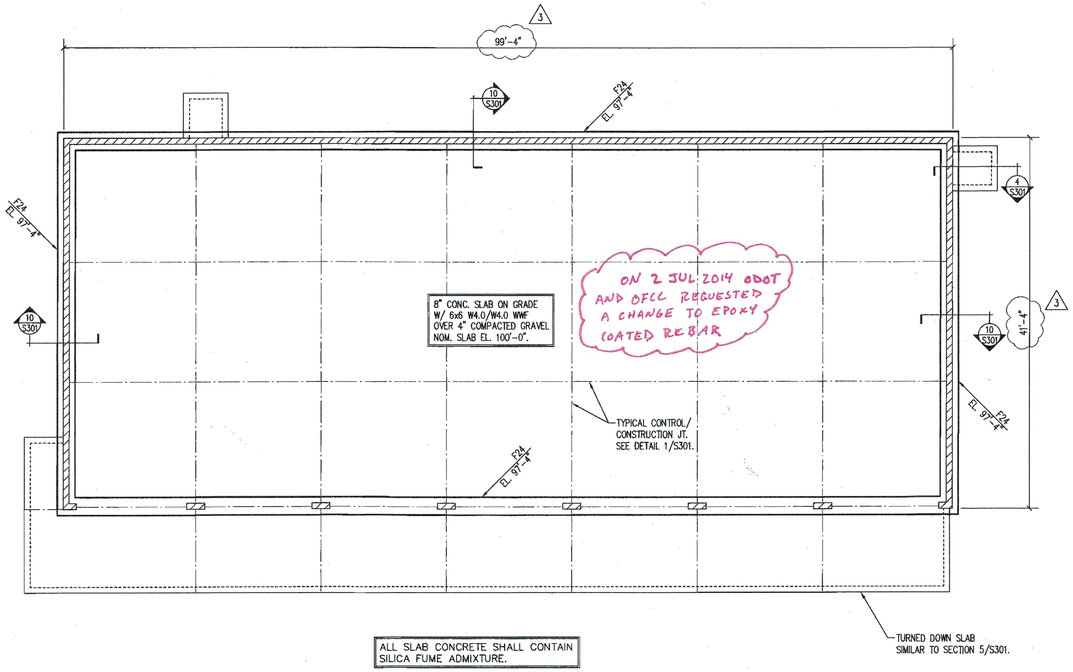


ALL SLAB CONCRETE SHALL CONTAIN SILICA FUME ADMIXTURE.

COLD STORAGE FOUNDATION PLAN

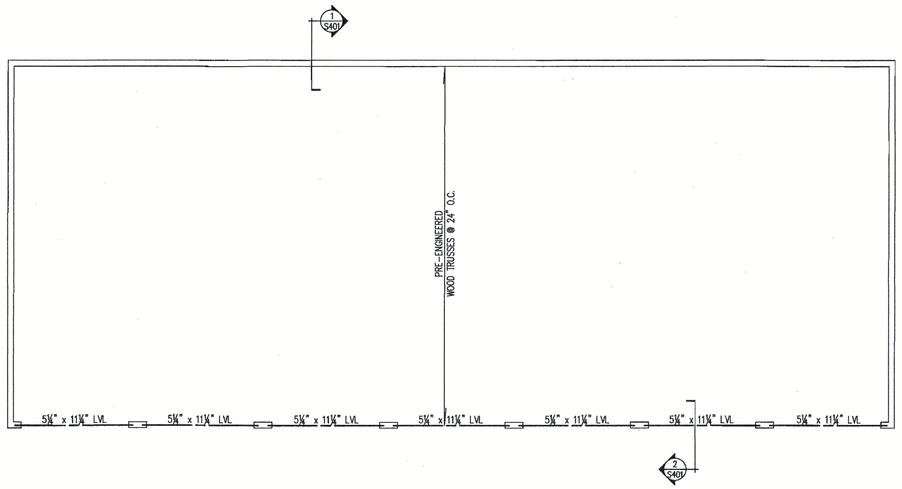
1/8" = 1'-0"

NORTH

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 2500 PSF. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH CLASS IV CONCRETE.
3. REFERENCE ELEVATION = TOP OF CONCRETE SLAB ELEVATION = EL. 100'-0".
4. ELEVATIONS SHOWN ON FOOTINGS INDICATE TOP OF FOOTING.
5. SEE 3/S301 FOR TYPICAL FOOTING STEP SHOWN THUS ▼. STEP AT A RATIO OF ONE VERTICAL TO TWO HORIZONTAL.
6. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF NON-BEARING MASONRY WALLS AND DETAIL 4/S301 FOR THICKENED SLAB.
7. SEE SECTION 4/S301 FOR TYPICAL UTILITY TRENCH EXCAVATION CLEARANCE REQUIREMENTS.
8. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE LOCATION AND SIZE OF HOUSEKEEPING PADS. SEE DETAIL 5/S301 FOR PAD REINFORCING REQUIREMENTS.
9. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
10. THE FOUNDATIONS AND ANCHOR BOLTS HAVE BEEN DESIGNED BASED UPON PRELIMINARY METAL BUILDING REACTIONS. FOUNDATION CONSTRUCTION SHALL NOT BEGIN UNTIL FINAL BUILDING REACTIONS HAVE BEEN RECEIVED, REVIEWED, AND FOUNDATION DESIGN HAS BEEN VERIFIED.

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F24	2'-0" WD. x 12" DP.	(2) #5 CONT.



COLD STORAGE ROOF FRAMING PLAN

1/8" = 1'-0"

NORTH

ROOF FRAMING NOTES

1. DESIGN LIVE LOAD: 25 PSF
2. ROOF CONSTRUCTION: 5/8" PLYWOOD ON PRE-ENGINEERED WOOD TRUSSES.
3. TRUSS BEARING ELEVATION NOTED ON PLAN.
   REFERENCE ELEVATION = FINISHED FLOOR, EL. 100'-0".
4. ▬▬▬ INDICATES HEADER. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND ELEVATION OF LOOSE LINTELS.
5. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.

CROF INDUSTRIAL COMPLIANCE: DIVISION OF INDUSTRIAL COMPLIANCE BUILDING CODE COMPLIANCE STATE OF OHIO DEPARTMENT OF COMMERCE
8/5/2014

Final Plan Approval
Examiner: F. Brown

THOMAS & MARKER CONSTRUCTION

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5/16/14

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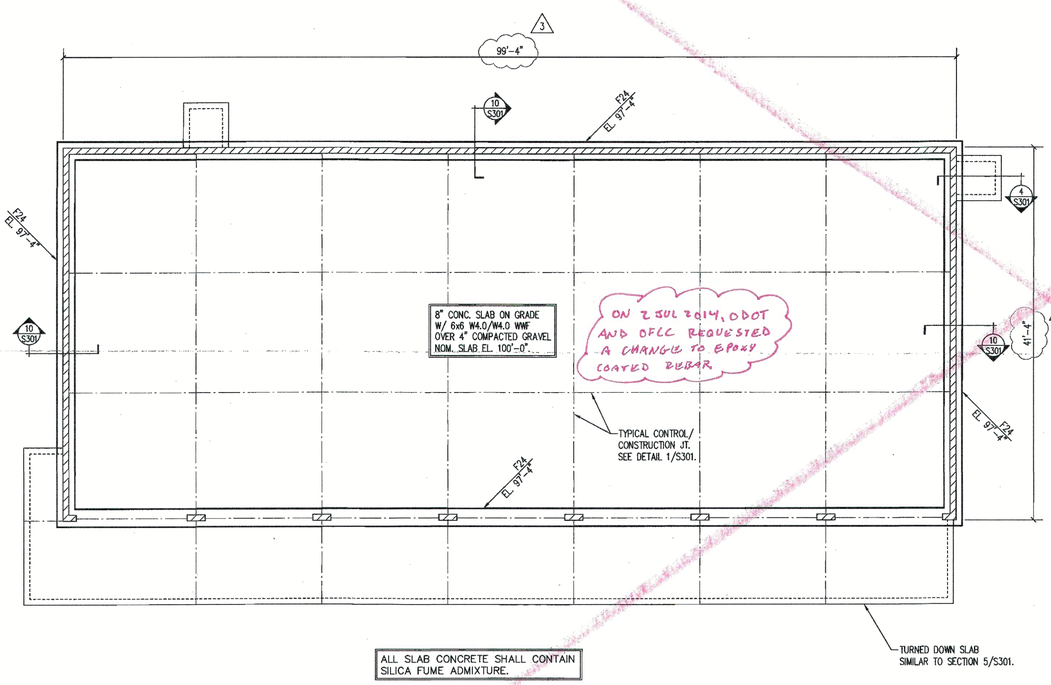
COLD STORAGE FOUNDATION AND ROOF FRAMING PLANS



COLD STORAGE FOUNDATION PLAN

1/8" = 1'-0"

NORTH

FOUNDATION NOTES

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8. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE LOCATION AND SIZE OF HOUSEKEEPING PADS, SEE DETAIL 5/S301 FOR PAD REINFORCING REQUIREMENTS.
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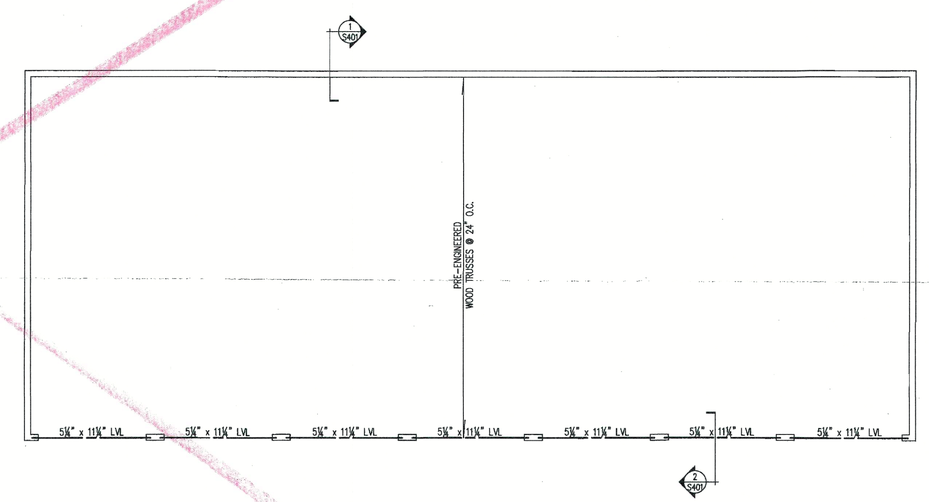
FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F24	2'-0" WD. x 12" DP.	(2) #5 CONT.



COLD STORAGE ROOF FRAMING PLAN

1/8" = 1'-0"

NORTH

ROOF FRAMING NOTES

1. DESIGN LIVE LOAD: 25 PSF
2. ROOF CONSTRUCTION: 5/8" PLYWOOD ON PRE-ENGINEERED WOOD TRUSSES.
3. TRUSS BEARING ELEVATION NOTED ON PLAN. REFERENCE ELEVATION = FINISHED FLOOR, EL. 100'-0".
4. ~~~~ INDICATES HEADER. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND ELEVATION OF LOOSE LINTELS.
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5.16.14

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DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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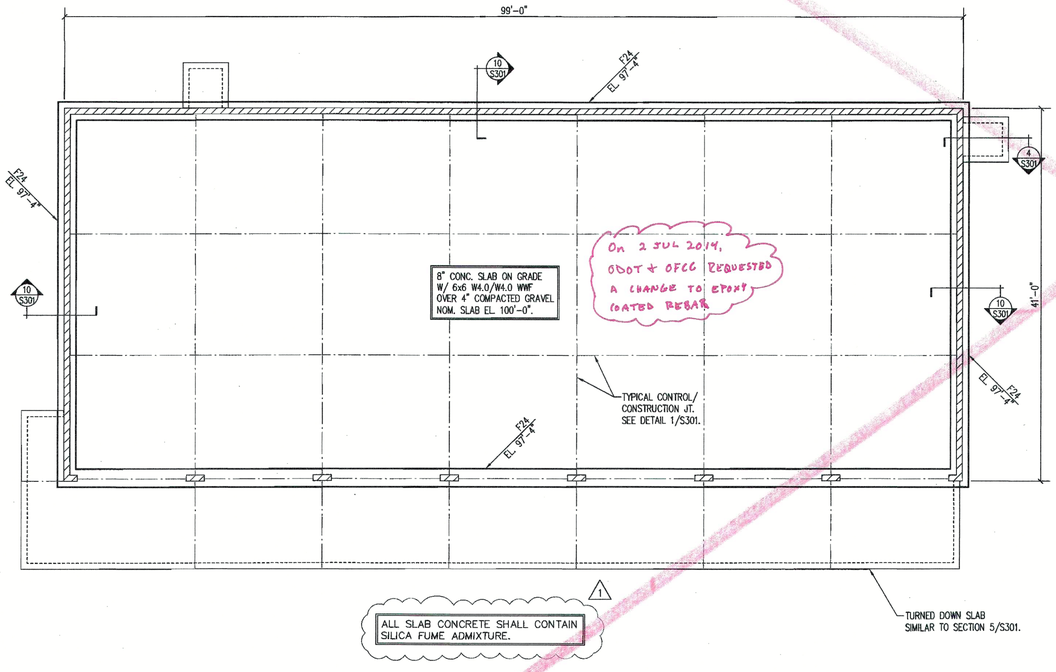
COLD STORAGE FOUNDATION AND ROOF FRAMING PLANS



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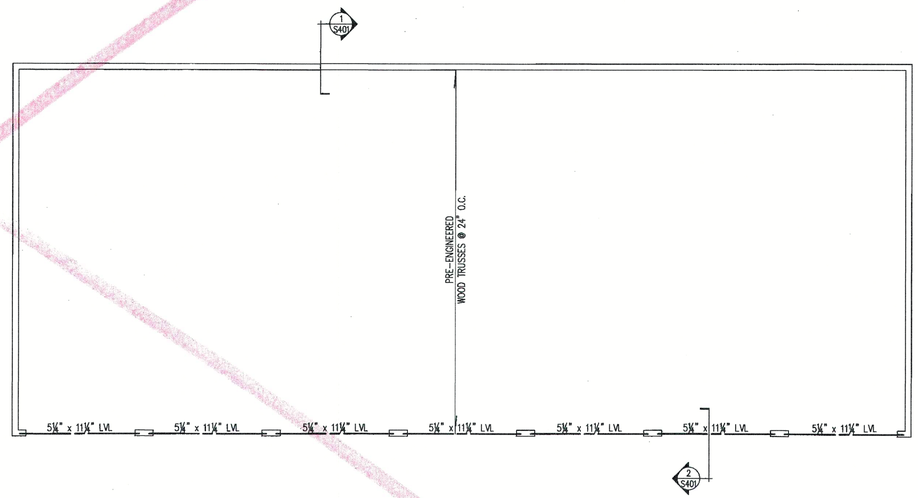
MARK	SIZE	REINFORCING
F24	2'-0" WD. x 12" DP.	(2) #5 CONT.



COLD STORAGE ROOF FRAMING PLAN

1/8" = 1'-0"

NORTH

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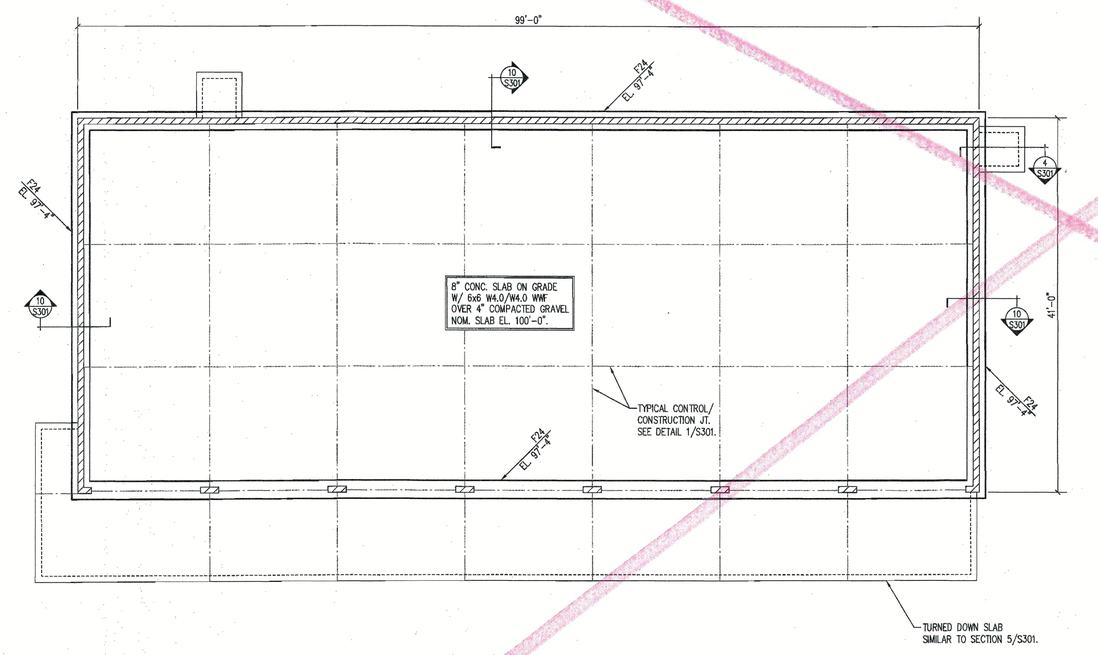
COLD STORAGE FOUNDATION AND ROOF FRAMING PLANS



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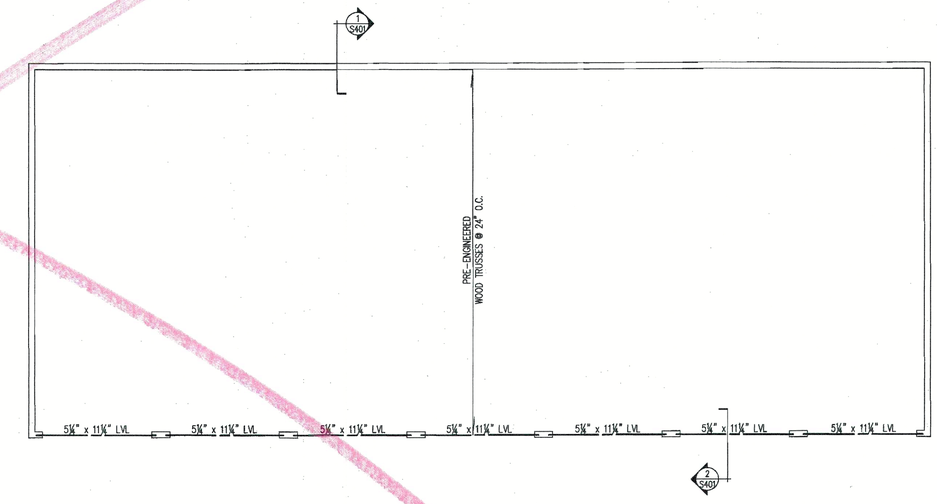
MARK	SIZE	REINFORCING
F24	2'-0" WD. x 12" DP.	(2) #5 CONT.



COLD STORAGE ROOF FRAMING PLAN

1/8" = 1'-0"

NORTH

ROOF FRAMING NOTES

1. DESIGN LIVE LOAD: 25 PSF
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COLD STORAGE FOUNDATION AND ROOF FRAMING PLANS

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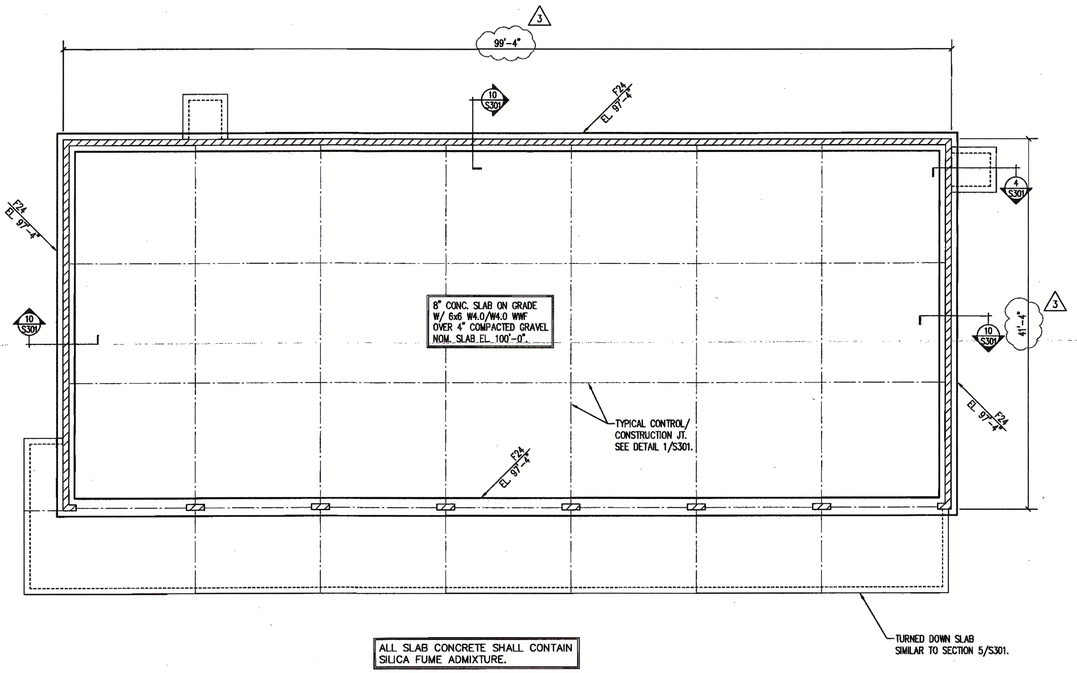

ALL SLAB CONCRETE SHALL CONTAIN SILICA FUME ADMIXTURE.

COLD STORAGE FOUNDATION PLAN

1/8" = 1'-0"

NORTH

FOUNDATION NOTES

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MARK	SIZE	REINFORCING
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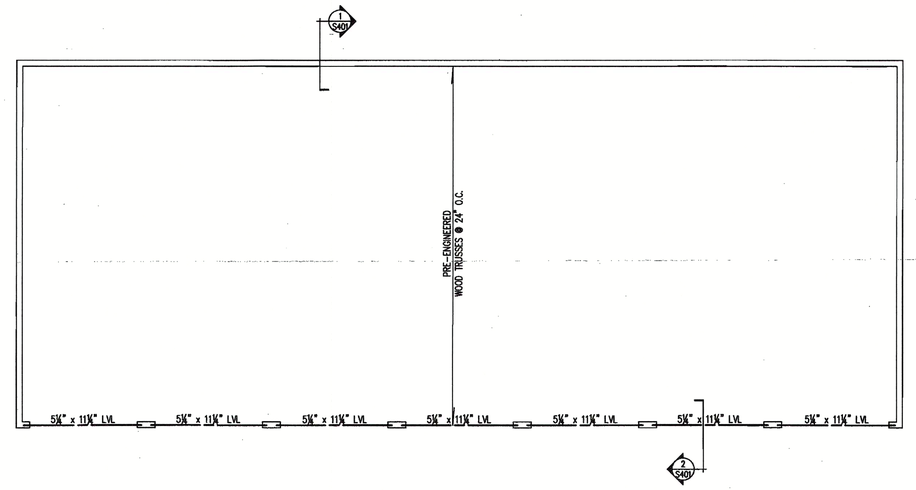

COLD STORAGE ROOF FRAMING PLAN

1/8" = 1'-0"

NORTH

ROOF FRAMING NOTES

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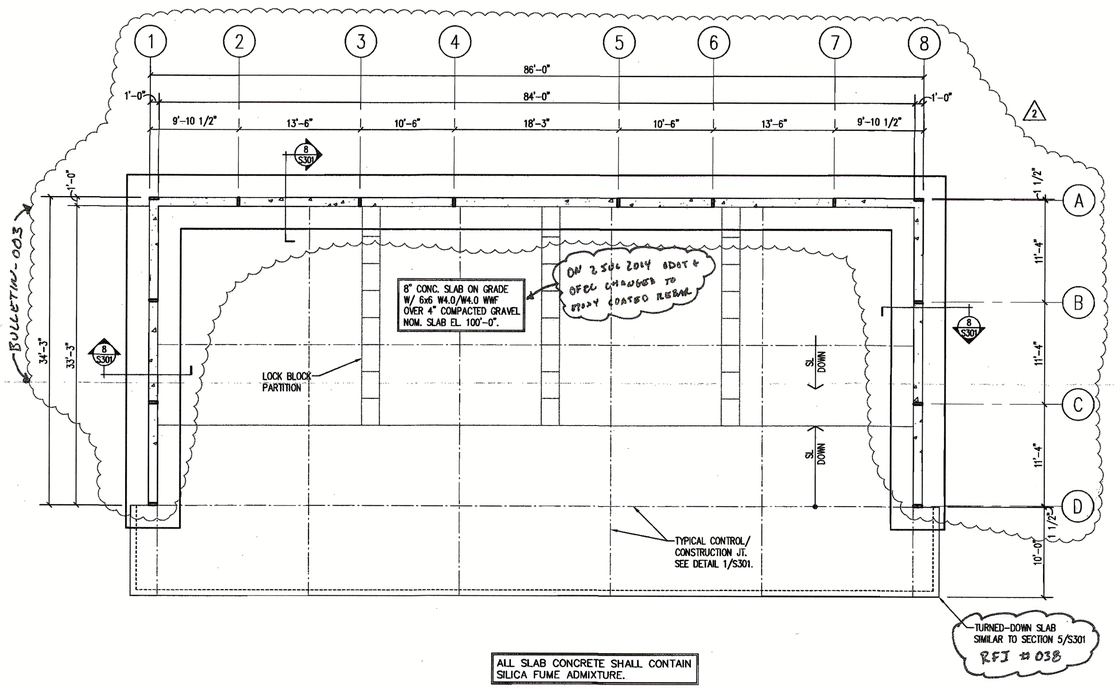
COLD STORAGE FOUNDATION
AND ROOF FRAMING PLANS



ALL SLAB CONCRETE SHALL CONTAIN SILICA FUME ADMIXTURE.

2

MATERIAL STORAGE FOUNDATION PLAN

1/8" = 1'-0"

NORTH

FOUNDATION NOTES

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TM
THOMAS & MARKER CONSTRUCTION

Jezerinac Geers
Structural Engineering

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5640 Frantz Road, Dublin, OH 43017
614.766.0066, fax 614.766.1223
www.jgaeng.com

STATE OF OHIO
STEVEN R. McCLARREN
E-51399
REGISTERED PROFESSIONAL ENGINEER
5/16/14

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

BIDDING DOCUMENTS
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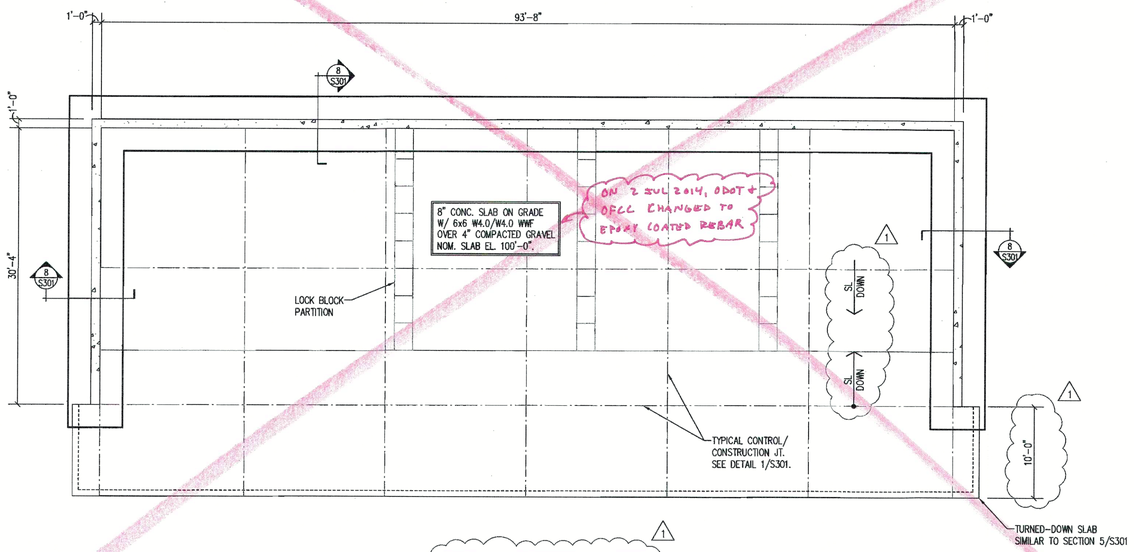
MATERIAL STORAGE FOUNDATION PLAN



1 ALL SLAB CONCRETE SHALL CONTAIN SILICA FUME ADMIXTURE.

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MATERIAL STORAGE FOUNDATION PLAN

1/8" = 1'-0"

NORTH

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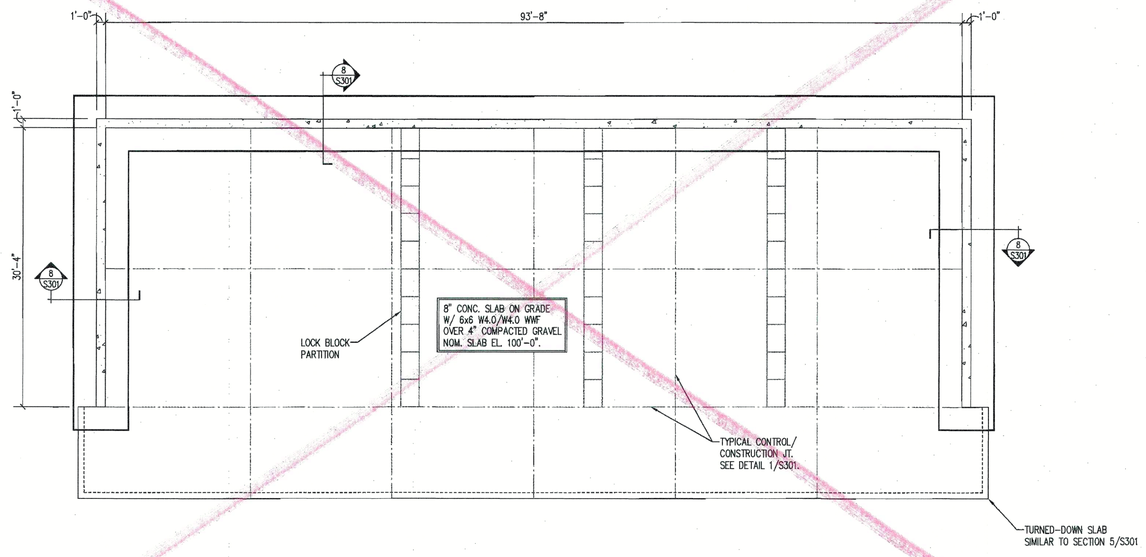

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MATERIAL STORAGE
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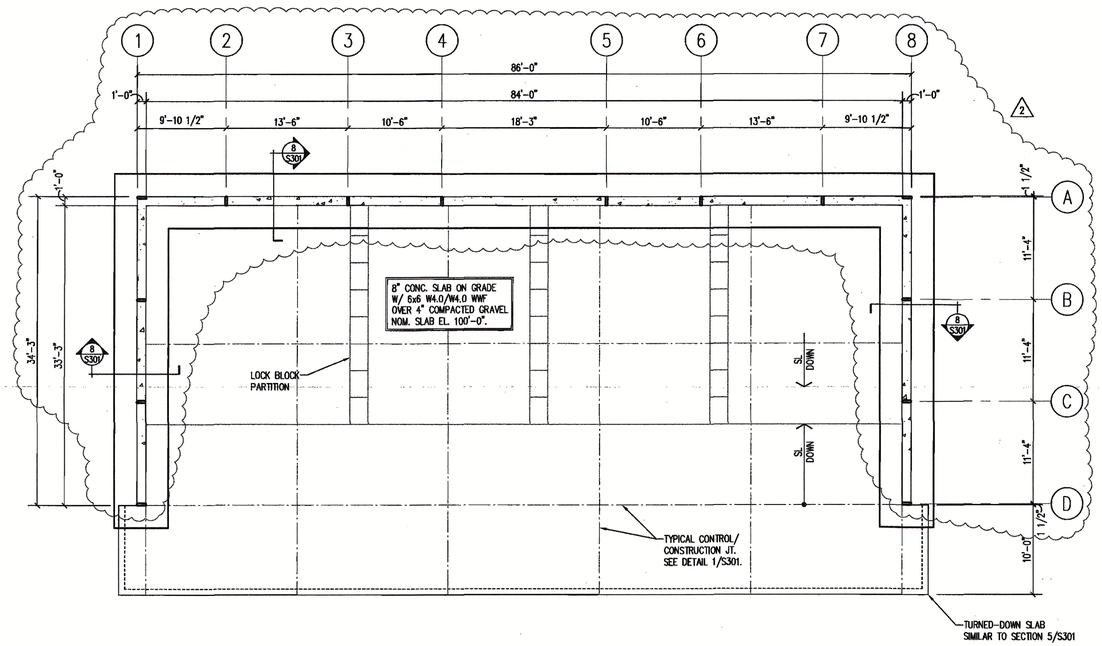

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ATHENS FULL SERVICE MAINTENANCE FACILITY

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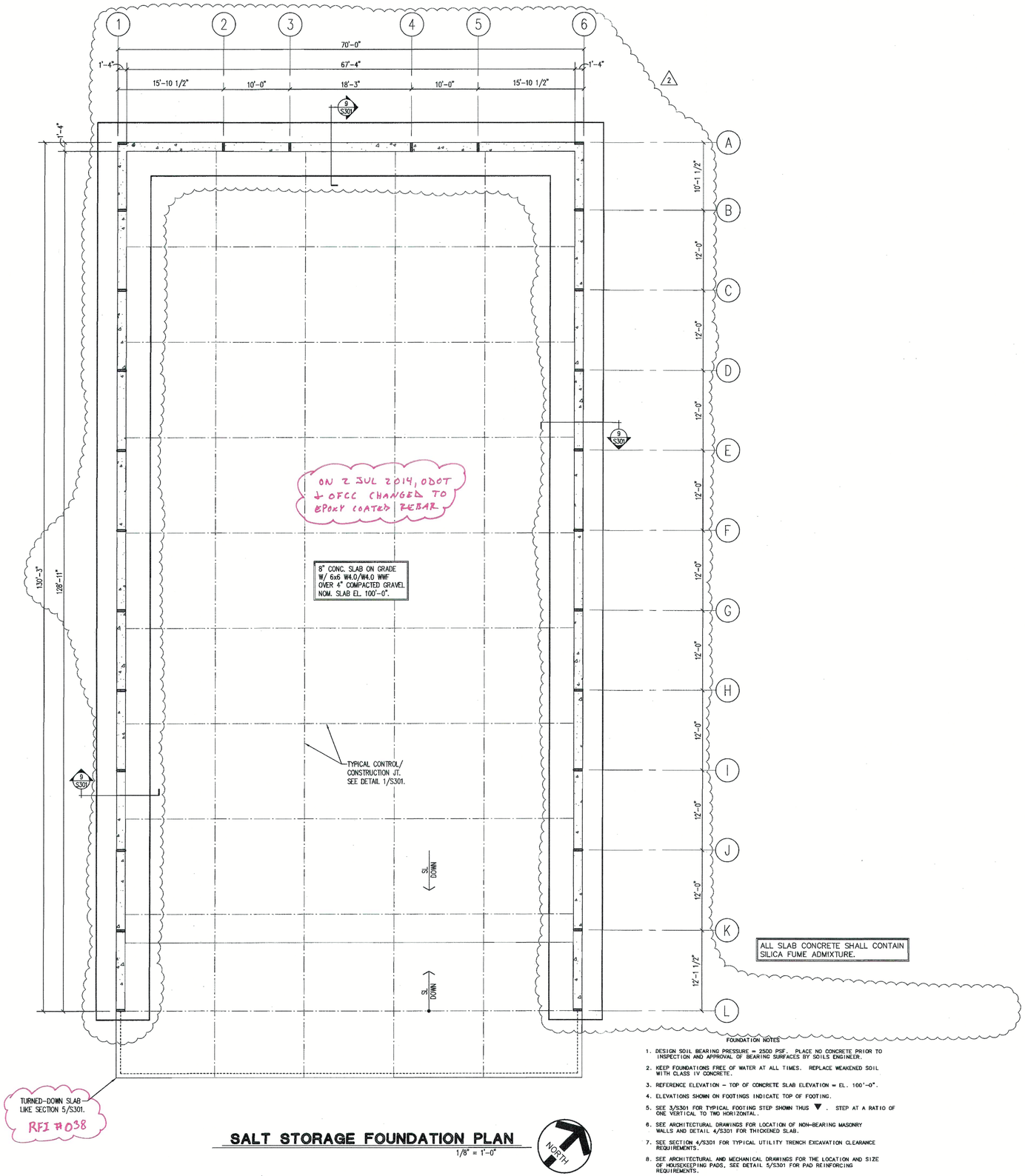

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ATHENS FULL SERVICE
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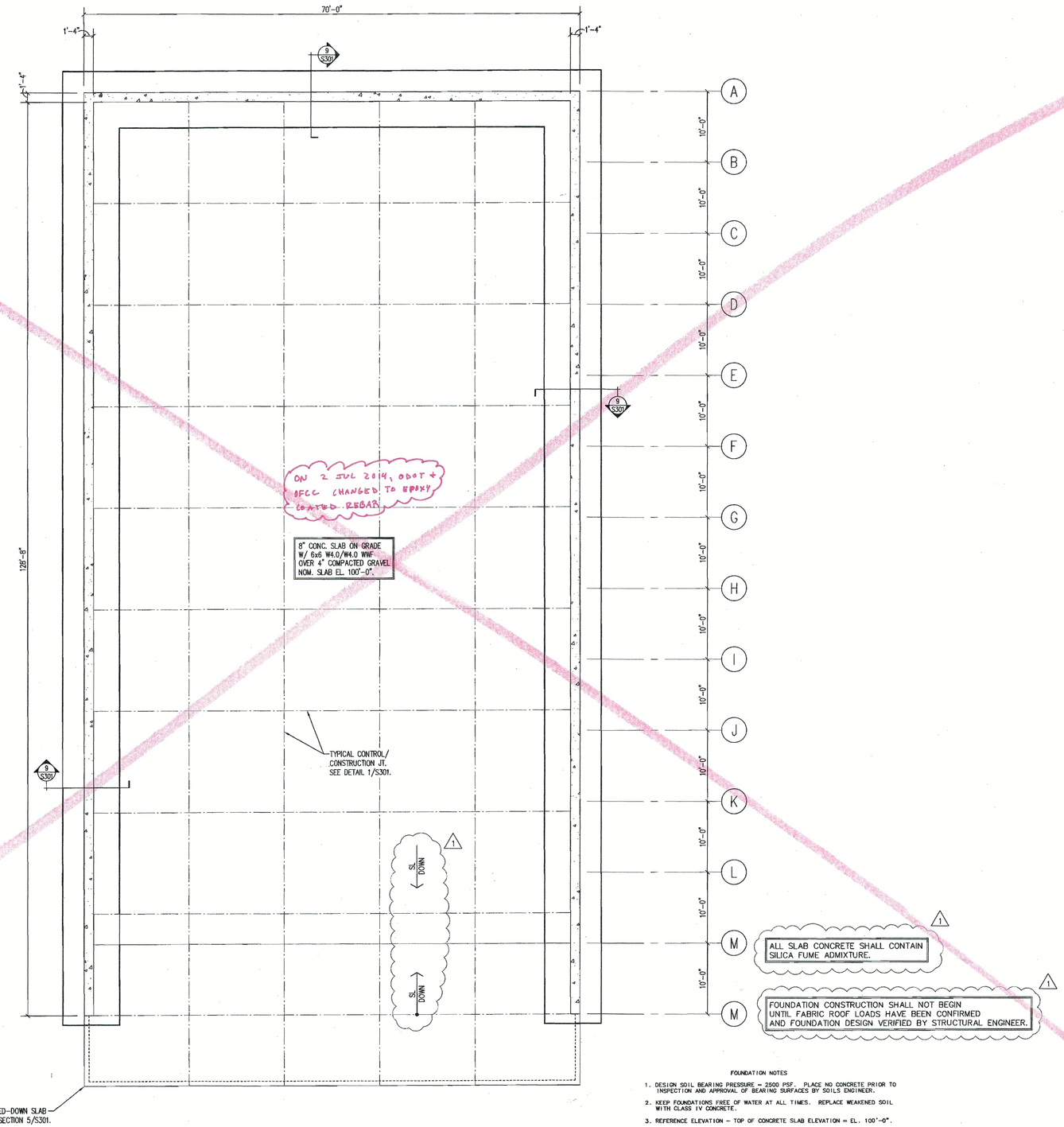

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SALT STORAGE FOUNDATION PLAN

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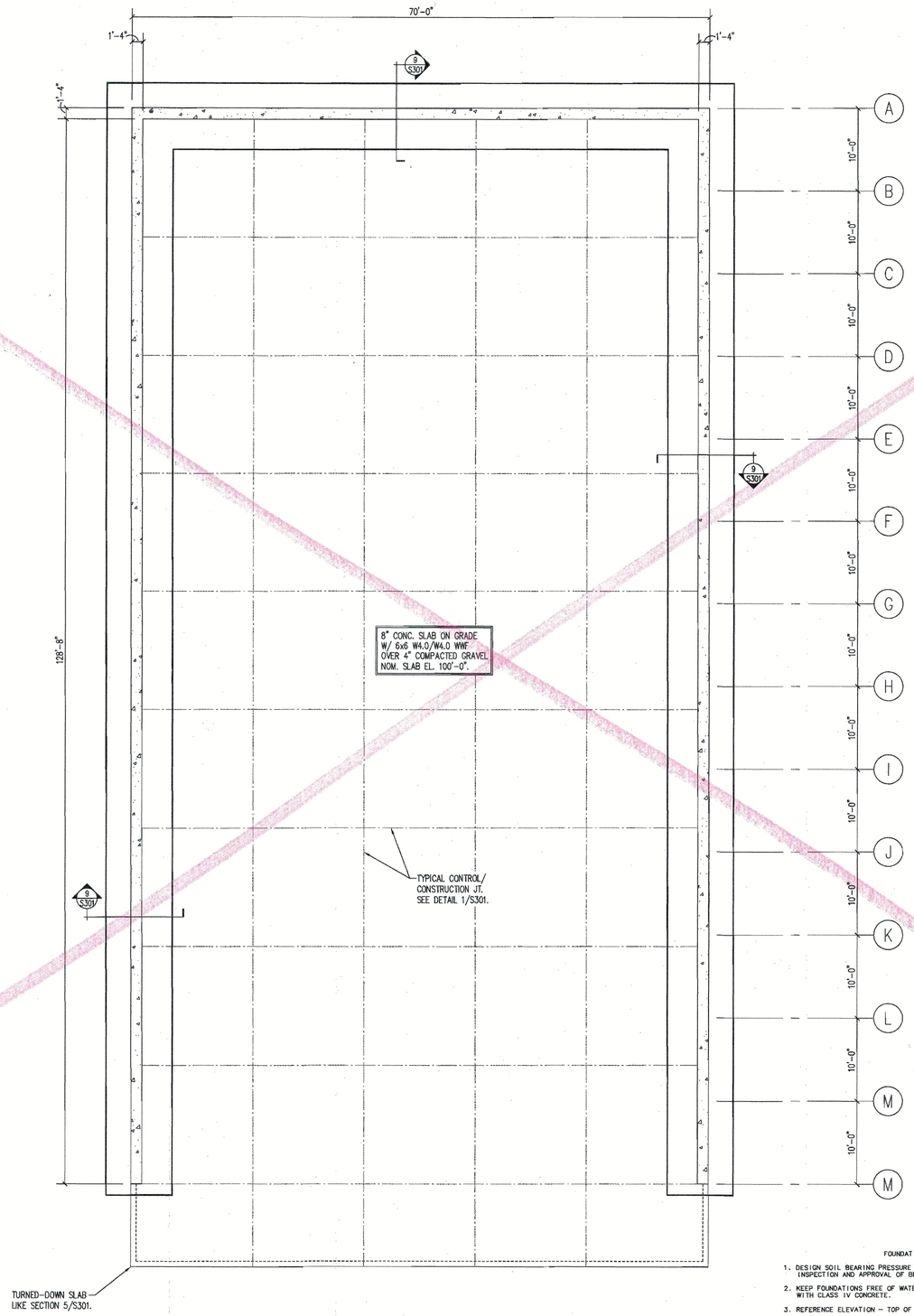

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SALT STORAGE FOUNDATION PLAN

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 027

REQUEST FOR INFORMATION

TO: Sands Decker, RDI Architects
ATTN: Jason Stevens & Tom Converse
EMAIL: tconverse@rdicolumbus.com; JStevens@sa
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Brine System Yard Hydrant

DATE: 30-Jul-14
PAGE: 1 of 1
DWG: N/A
SPEC: N/A

Please provide exact coordinates for the yard hydrant, so it can be surveyed and installed properly.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 1-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

LOCATE YARD HYDRANT IN BRINE SHELTER AT LOCATION SHOWN ON SUBMITTAL
CIVIL ENGINEER WILL HAVE TO PROVIDE COORDINATES

DATE OF REPLY: JULY 30, 2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 043

REQUEST FOR INFORMATION

TO: RDI Architects
ATTN: Tom Converse
EMAIL: tconverse@rdicolumbus.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: 2" Vent - Oil Interceptor

DATE: 20-Aug-14
PAGE: 1 of 1
DWG: N/A
SPEC: N/A

Sylvester with the State of Ohio is requesting that an additional 2" vent be added to the outlet side of the Oil Interceptor.

Please verify with the State to the validity of this at 1.800.822.3208 and advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 25-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

The bid documents indicate two vent lines for the oil interceptor. The contractor shall provide the vents as instructed by the field plumbing inspector.

DATE OF REPLY: 8/28/14 **SIGNED:** Markus Lott (RDFA)

FINAL DISTRIBUTION: File, Field

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com
THOMAS & MARKER CONSTRUCTION

RFI # 047

REQUEST FOR INFORMATION

TO: RDFA
ATTN: Markus Lott
EMAIL: mlott@rdfa.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Site Interceptor

DATE: 21-Aug-14
PAGE: 1 of 1
DWG: N/A
SPEC: N/A

Please see confirming RFI regarding the Site Interceptor into the VM Building.

Please confirm with the plumbing inspector or plans examiner.

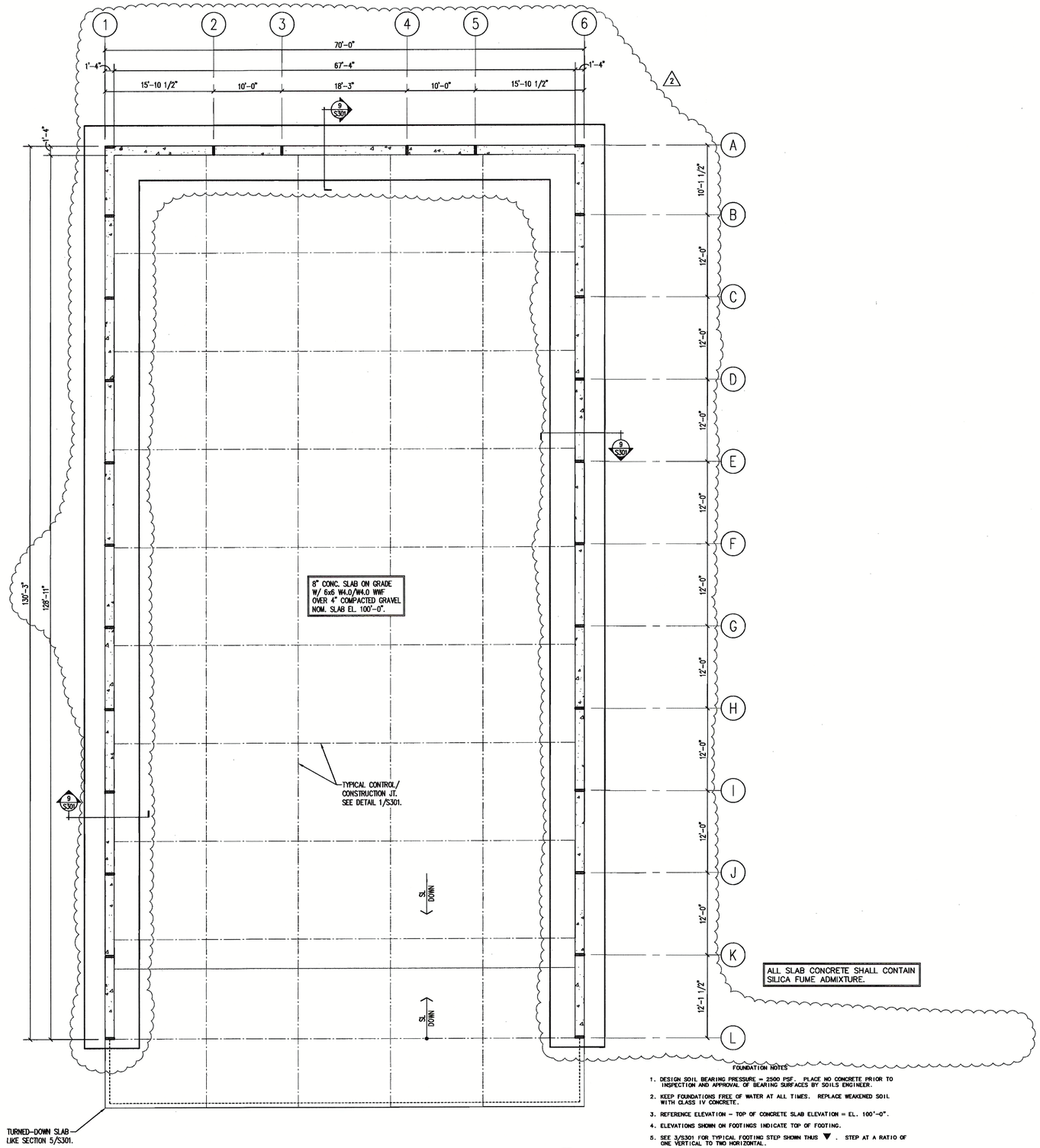
DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 25-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

THE CONTRACTOR SHALL VENT THE OIL INTERCEPTOR INDEPENANDTLY OF THE BUILDING'S VENT SYSTEM PER THE FIELD INSPECTOR'S REQUIREMENTS. REFER TO THE ATTACHED PLUMBING SKETCH SKP-3 FOR STACK CHANGES.

DATE OF REPLY: 8/25/14 **SIGNED:** MARKUS LOTT (RDFA)

FINAL DISTRIBUTION: File, Field



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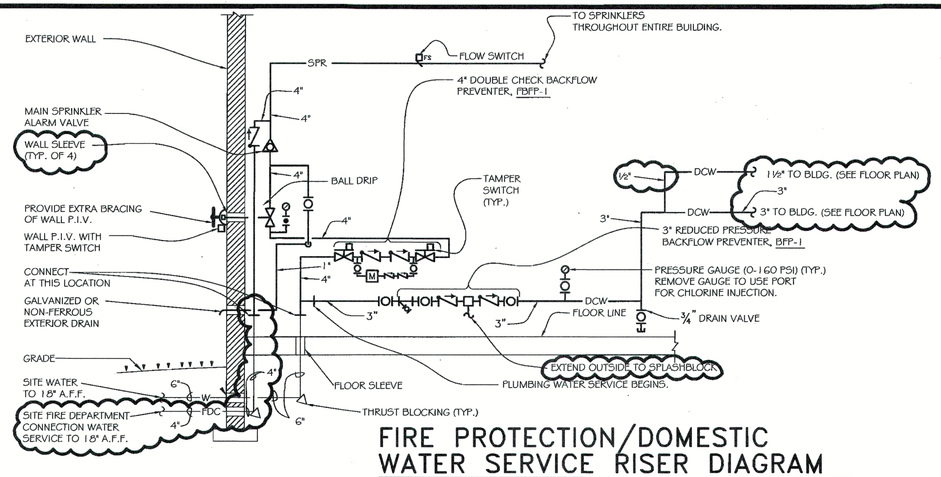
SALT STORAGE FOUNDATION PLAN

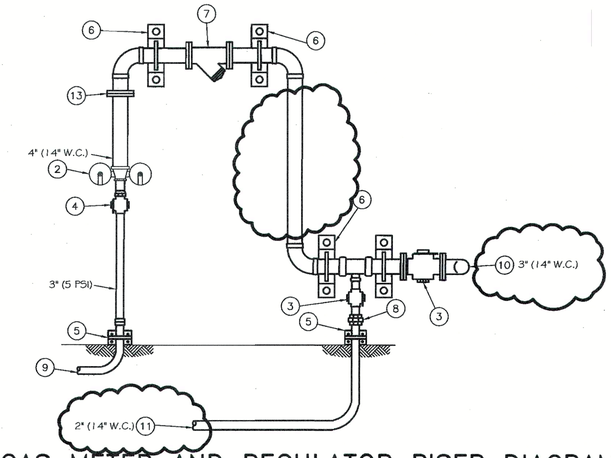
FIXTURE & EQUIPMENT BRANCH SIZE SCHEDULE

FIXTURE	DOMESTIC CW	DOMESTIC HW	OUTLET	VENT	REMARKS
F.C.O.	--	--	SIZE ON DWGS	--	FLOOR CLEANOUTS. SEE SPECS FOR COVER TYPE.
W.C.O.	--	--	SIZE ON DWGS	--	WALL CLEANOUT WITH ACCESS COVER.
E.C.O.	--	--	SIZE ON DWGS	--	EXTERIOR CLEANOUT. PROVIDE IN 18"x18"x6" CONCRETE PAD.
FBFP-1	4"	--	--	--	FIRE PROTECTION BACKFLOW PREVENTER.
BFP-1	3"	--	--	--	DOMESTIC WATER BACKFLOW PREVENTER.
BFP-2	1"	--	--	--	POWER WASHER BACKFLOW PREVENTER.
BFP-3	2"	--	--	--	TRUCK FILL HOSE REEL BACKFLOW PREVENTER.
ET-1	3/4"	--	--	--	2.1 GAL. WATER HEATER EXPANSION TANK.
ET-2	3/4"	--	--	--	65 GAL. WATER HEATER EXPANSION TANK.
HB-1	3/4"	--	--	--	HOSE BIBB, INSTALL @ 24" A.F.F. (ASSE 1011)
WH-1	3/4"	--	--	--	FREEZE-RESISTANT, WALL HYDRANT, MOUNT @18" A.F.G. (ASSE 1019)
TMV-1	1-1/2"	1-1/2"	1-1/2"	--	MAIN THERMOSTATIC MIXING VALVE ASSEMBLY (ASSE 1017)
TMV-2	1/2"	1/2"	1/2"	--	POINT-OF-USE THERMOSTATIC MIXING VALVE. (ASSE 1070)
TMV-3	1-1/4"	1-1/4"	1-1/4"	--	EMERGENCY THERMOSTATIC MIXING VALVE ASSEMBLY. (ASSE 1071)
RP-1	--	3/4"	3/4"	--	DOMESTIC HOT WATER RETURN RECIRC PUMP. 10GPM @ 7'HD
TP-1	1/2"	--	--	--	1/2" LINE TO EACH FLOOR DRAIN, WHERE SHOWN.
FD-1	--	--	3"	1-1/2"	5"ø STRAINER, 1/2" TRAP PRIMER CONNECTION.
FD-2	--	--	3"	1-1/2"	5"ø STRAINER, EXTEND RIM, 1/2" TRAP PRIMER CONNECTION.
FD-3	--	--	3", 4"	1-1/2", 2"	8"x8" TRACTOR GRATE, 1/2" TRAP PRIMER CONNECTION.
SHD-1	--	--	2"	1-1/2"	BRONZE STRAINER.
TD-1	--	--	CB-1	--	TRENCH DRAIN
TD-2	--	--	CB-2	--	TRENCH DRAIN
TD-3	--	--	CB-2	--	TRENCH DRAIN
TD-4	--	--	CB-1	--	TRENCH DRAIN
CB-1	--	--	4"	2"	CONCRETE CATCH BASIN (SAND TRAP).
CB-2	--	--	3"	1-1/2"	IN-LINE POLYMER CONCRETE CATCH BASIN (SAND TRAP).
OI-1	--	--	6"	3"	1500 GAL. OIL INTERCEPTOR.
AC-1	--	--	1-1/4"	--	120 GAL VERTICAL AIR COMP., 15 HP, 2-STAGE.
AC-2	--	--	1"	--	60 GAL HORIZONTAL AIR COMP., 3 HP, 2-STAGE.
AD-1	--	--	1-1/4"	--	REFRIGERATED AIR DRYER.
HR-1	--	--	3/4"	--	100' WATER HOSE REEL.
HR-2	--	--	SEE SPECS	--	LUBRICATION AND SERVICE SYSTEM REEL (MULTI OUTLET).
GWH-1,2	1-1/2"	1-1/2"	--	--	GAS-FIRED WATER HEATER.
IEWH-1	1-1/2"	1-1/2"	--	--	INSTANTANEOUS ELECTRIC WATER HEATER.
WC-1	1"	--	4"	2"	WALL-MTD., FLUSH VALVE.
WC-2	1"	--	4"	2"	ADA-COMPLIANT, WALL-MTD., FLUSH VALVE.
UR-1	3/4"	--	2"	1-1/2"	WALL-MTD., FLUSH VALVE.
UR-2	3/4"	--	2"	1-1/2"	ADA-COMPLIANT, WALL-MTD., FLUSH VALVE.
LAV-1	1/2"	1/2"	1-1/2"	1-1/2"	ADA-COMPLIANT, COUNTERTOP.
SINK-1	1/2"	1/2"	1-1/2"	1-1/2"	S.S., DOUBLE BOWL, COUNTERTOP
SINK-2	3/4"	3/4"	1-1/2"	1-1/2"	FLOOR MOUNTED UTILITY SINK.
MSB-1	3/4"	3/4"	3"	1-1/2"	MOP SERVICE BASIN.
SHR-1	1/2"	1/2"	--	--	ADA-COMPLIANT, PROVIDE SHOWER DRAIN, SHD-1.
WF-1	3/4"	3/4"	2"	1-1/2"	WASHFOUNTAIN.
ES/EW-1	--	1-1/4"	--	--	EMERGENCY SHOWER/EYE WASH.
EWC-1	1/2"	--	1-1/2"	1-1/2"	ADA-COMPLIANT, HI-LO.
EWC-2	1/2"	--	1-1/2"	1-1/2"	SINGLE.



FIRE PROTECTION/DOMESTIC WATER SERVICE RISER DIAGRAM

NOT TO SCALE



GAS METER AND REGULATOR RISER DIAGRAM

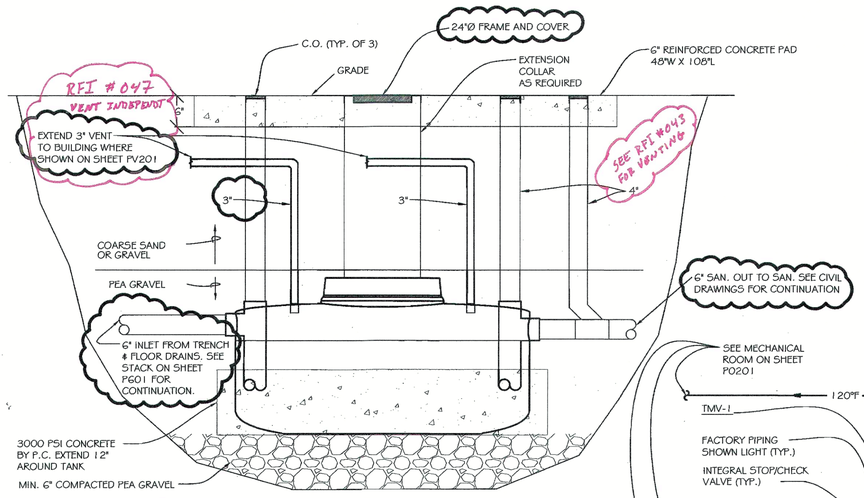
(ALL ITEMS SHOWN ARE BY P.C., UNLESS OTHERWISE NOTED) NOT TO SCALE

GAS METER & REGULATOR RISER DIAGRAM GENERAL NOTES

1. METER HEIGHT - MAXIMUM 3'-0" ABOVE FINISHED GRADE.
2. COORDINATE WITH GAS COMPANY.
3. PAINT EXPOSED PIPING.

GAS METER & REGULATOR RISER DIAGRAM CODED NOTES

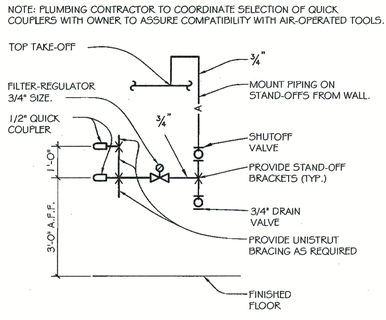
1. METER BY GAS COMPANY.
2. GAS REGULATOR PROVIDED BY GAS COMPANY (SET @ 14" W.C.).
3. LOCKWING METER STOP WITH THREADED BODY.
4. LOCKWING METER STOP WITH INSULATED UNION.
5. WALL BRACKET.
6. METER SETTING SUPPORT BRACKET.
7. STRAINER WITH FLANGED BODY.
8. INSULATED UNION.
9. 3" MEDIUM PRESSURE (5 PSI) GAS SERVICE FROM SITE GAS HOUSE. SEE SHEET SU1 FOR CONTINUATION.
10. PROVIDE 3" LOW PRESSURE (14" W.C.) HOUSE LINE TO INSIDE BUILDING. PROVIDE WATERTIGHT SEAL. SEE SHEET PV201 FOR CONTINUATION.
11. PROVIDE 2" LOW PRESSURE (14" W.C.) GAS LINE TO EMERGENCY GENERATOR. SEE SHEET E021 FOR CONTINUATION.



PLUMBING OIL INTERCEPTOR DETAIL

NOTE: BASED ON PROCEPTOR 1500 GALLON OIL INTERCEPTOR TANK DESIGN. (TANK MUST BE INSTALLED IN ACCORDANCE WITH ALL RELEVANT FEDERAL, STATE, AND LOCAL CODES, INCLUDING LOCAL PLUMBING CODE)

NOT TO SCALE

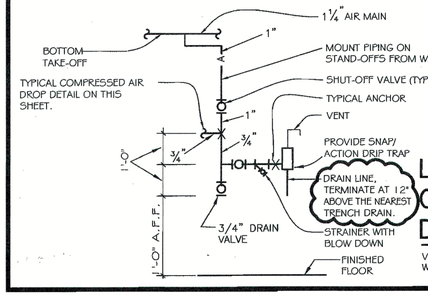


NOTE: PLUMBING CONTRACTOR TO COORDINATE SELECTION OF QUICK COUPLERS WITH OWNER TO ASSURE COMPATIBILITY WITH AIR-OPERATED TOOLS.

MOUNT COMPRESSED AIR PIPING AT APPROXIMATELY 3" OFF WALL. PIPING SHALL BE SECURELY MOUNTED TO COLUMN OR WALL STRUCTURE. (NOT TO WALL PANEL ONLY.) RIGIDLY MOUNT AIR LINE REGULATOR PARALLEL TO WALL. TURN QUICK COUPLER TO BE PERPENDICULAR TO AND CLOSE TO WALL. AIR REGULATOR MUST BE THREADED ON BEFORE FINAL PIPING CONNECTION IS MADE.

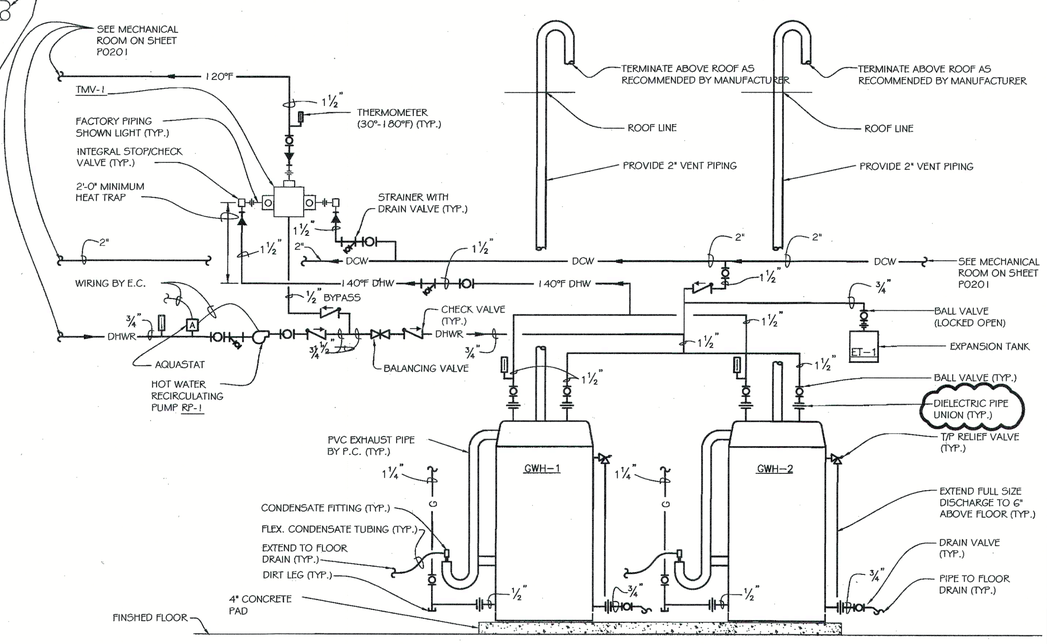
TYPICAL COMPRESSED AIR DROP PIPING DETAIL

VERIFY EXACT PLACEMENT OF ALL ITEMS WITH ARCHITECT BEFORE ROUGHING IN. NOT TO SCALE



LOW POINT / COMPRESSED AIR DROP PIPING DETAIL

VERIFY EXACT PLACEMENT OF ALL ITEMS WITH ARCHITECT BEFORE ROUGHING IN. NOT TO SCALE



DOMESTIC WATER HEATER & THERMOSTATIC MIXING VALVE PIPING DIAGRAM

NOT TO SCALE

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014

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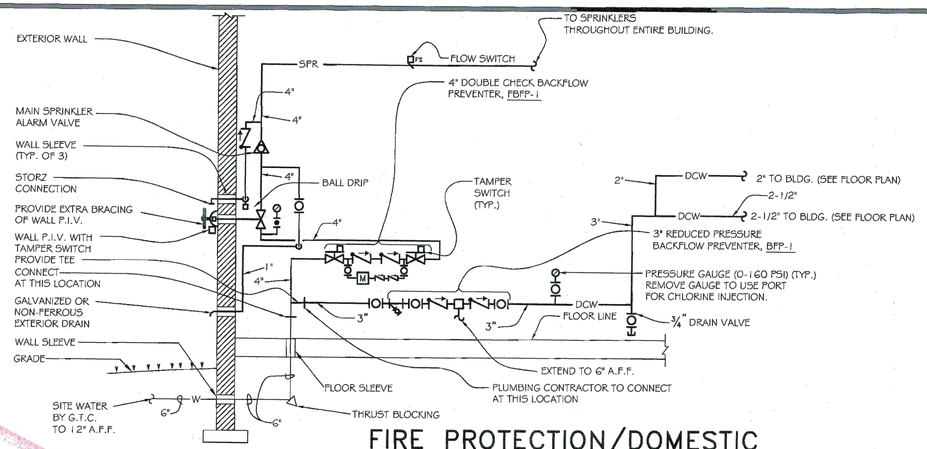
P501

PLUMBING SCHEDULES AND DETAILS

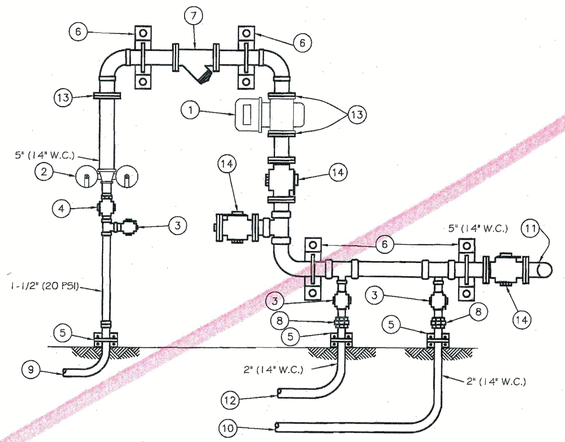
FIXTURE & EQUIPMENT BRANCH SIZE SCHEDULE

FIXTURE	DOMESTIC CW	DOMESTIC HW	OUTLET	VENT	REMARKS
F.C.O.	--	--	SIZE ON DWGS	--	FLOOR CLEANOUTS. SEE SPECS FOR COVER TYPE.
W.C.O.	--	--	SIZE ON DWGS	--	WALL CLEANOUT WITH ACCESS COVER.
E.C.O.	--	--	SIZE ON DWGS	--	EXTERIOR CLEANOUT. PROVIDE IN 18"x18"x6" CONCRETE PAD.
FBFP-1	4"	--	--	--	FIRE PROTECTION BACKFLOW PREVENTER.
BFP-1	3"	--	--	--	DOMESTIC WATER BACKFLOW PREVENTER.
BFP-2	1"	--	--	--	POWER WASHER BACKFLOW PREVENTER.
BFP-3	2"	--	--	--	TRUCK FILL HOSE REEL BACKFLOW PREVENTER.
ET-1	3/4"	--	--	--	2.1 GAL. WATER HEATER EXPANSION TANK.
HB-1	3/4"	--	--	--	HOSE BIBB, INSTALL @ 24" A.F.F. (ASSE 1011)
WH-1	3/4"	--	--	--	FREEZE-RESISTANT, WALL HYDRANT, MOUNT @18" A.F.G. (ASSE 1019)
TMV-1	1-1/2"	1-1/2"	1-1/2"	--	MAIN THERMOSTATIC MIXING VALVE ASSEMBLY. (ASSE 1017)
TMV-2	1/2"	1/2"	1/2"	--	POINT-OF-USE THERMOSTATIC MIXING VALVE. (ASSE 1070)
TMV-3	1-1/4"	1-1/4"	1-1/4"	--	EMERGENCY THERMOSTATIC MIXING VALVE ASSEMBLY. (ASSE 1071)
RP-1	--	3/4"	3/4"	--	DOMESTIC HOT WATER RETURN RECIRC PUMP. 10GPM @ 7'HD
TP-1	1/2"	--	--	--	1/2" LINE TO EACH FLOOR DRAIN, WHERE SHOWN.
FD-1	--	--	3"	1-1/2"	5"ø STRAINER, 1/2" TRAP PRIMER CONNECTION.
FD-2	--	--	3"	1-1/2"	5"ø STRAINER, EXTEND RIM, 1/2" TRAP PRIMER CONNECTION.
FD-3	--	--	3", 4"	1-1/2", 2"	8"x8" TRACTOR GRATE, 1/2" TRAP PRIMER CONNECTION.
SHD-1	--	--	2"	1-1/2"	BRONZE STRAINER.
TD-1	--	--	CB-1	--	TRENCH DRAIN TRENCH DRAIN
TD-2	--	--	CB-2	--	TRENCH DRAIN TRENCH DRAIN
TD-3	--	--	CB-2	--	TRENCH DRAIN TRENCH DRAIN
TD-4	--	--	CB-1	--	TRENCH DRAIN TRENCH DRAIN
CB-1	--	--	4"	2"	CONCRETE CATCH BASIN (SAND TRAP).
CB-2	--	--	3"	1-1/2"	IN-LINE POLYMER CONCRETE CATCH BASIN (SAND TRAP).
OI-1	--	--	6"	3"	1500 GAL. OIL INTERCEPTOR.
AC-1	--	--	1-1/4"	--	120 GAL VERTICAL AIR COMP., 15 HP, 2-STAGE.
AC-2	--	--	1"	--	60 GAL HORIZONTAL AIR COMP., 3 HP, 2-STAGE.
AD-1	--	--	1-1/4"	--	REFRIGERATED AIR DRYER.
HR-1	--	--	3/4"	--	100' WATER HOSE REEL.
HR-2	--	--	SEE SPECS	--	LUBRICATION AND SERVICE SYSTEM REEL (MULTI OUTLET).
GWH-1,2	1-1/2"	1-1/2"	--	--	GAS-FIRED WATER HEATER.
WC-1	1"	--	4"	2"	WALL-MTD., FLUSH VALVE.
WC-2	1"	--	4"	2"	ADA-COMPLIANT, WALL-MTD., FLUSH VALVE.
UR-1	3/4"	--	2"	1-1/2"	WALL-MTD., FLUSH VALVE.
UR-2	3/4"	--	2"	1-1/2"	ADA-COMPLIANT, WALL-MTD., FLUSH VALVE.
LAV-1	1/2"	1/2"	1-1/2"	1-1/2"	ADA-COMPLIANT, COUNTERTOP.
SINK-1	1/2"	1/2"	1-1/2"	1-1/2"	S.S., DOUBLE BOWL, COUNTERTOP
SINK-2	3/4"	3/4"	1-1/2"	1-1/2"	FLOOR MOUNTED UTILITY SINK.
MSB-1	3/4"	3/4"	3"	1-1/2"	MOP SERVICE BASIN.
SHR-1	1/2"	1/2"	--	--	ADA-COMPLIANT, PROVIDE SHOWER DRAIN, SHD-1.
WF-1	3/4"	3/4"	2"	1-1/2"	WASHFOUNTAIN.
ES/EW-1	--	1-1/4"	--	--	EMERGENCY SHOWER/EYE WASH.
EWC-1	1/2"	--	1-1/2"	1-1/2"	ADA-COMPLIANT, HI-LO.
EWC-2	1/2"	--	1-1/2"	1-1/2"	SINGLE.



FIRE PROTECTION/DOMESTIC WATER SERVICE RISER DIAGRAM

NOT TO SCALE



GAS METER AND REGULATOR RISER DIAGRAM

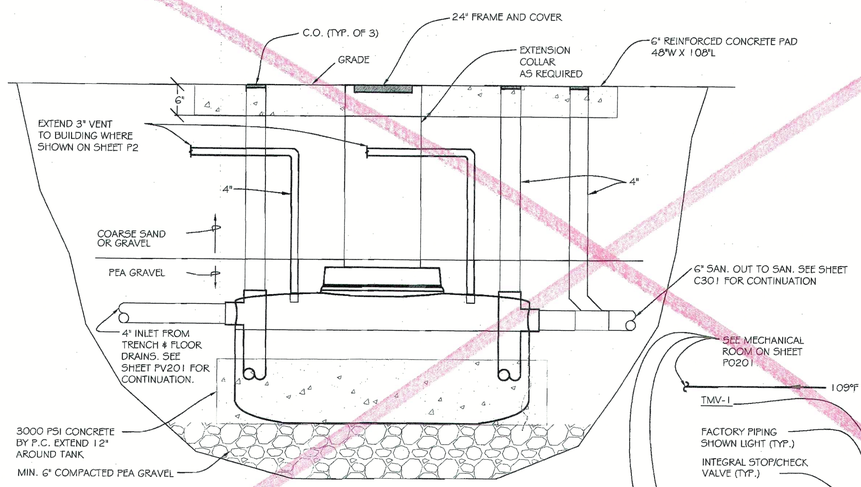
(ALL ITEMS SHOWN ARE BY P.C., UNLESS OTHERWISE NOTED) NOT TO SCALE

GAS METER & REGULATOR RISER DIAGRAM GENERAL NOTES

1. METER HEIGHT - MAXIMUM 3'-0" ABOVE FINISHED GRADE.
2. COORDINATE INSTALLATION WITH GAS COMPANY.
3. GENERAL TRADES CONTRACTOR SHALL PAINT EXPOSED PIPING.

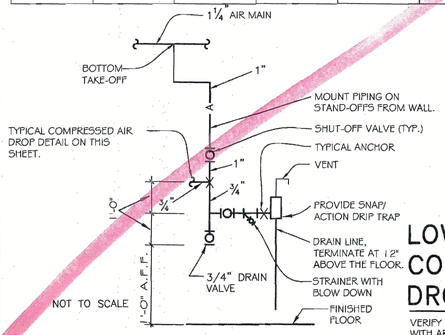
GAS METER & REGULATOR RISER DIAGRAM CODED NOTES

1. ROTARY METER PROVIDED BY GAS COMPANY.
2. GAS REGULATOR PROVIDED BY GAS COMPANY (SET @ 14" W.C.).
3. PROVIDE LOCKWING METER STOP WITH THREADED BODY.
4. PROVIDE LOCKWING METER STOP WITH INSULATED UNION.
5. PROVIDE WALL BRACKET.
6. PROVIDE METER SETTING SUPPORT BRACKET.
7. PROVIDE STRAINER WITH FLANGED BODY.
8. PROVIDE INSULATED UNION.
9. 1-1/2" MEDIUM PRESSURE (20 PSI) SITE GAS SERVICE. SEE SHEET SU1 FOR CONTINUATION.
10. PROVIDE 2" LOW PRESSURE (14" W.C.) GAS LINE TO STORAGE BUILDING. SEE SHEET SU1 FOR CONTINUATION
11. PROVIDE 5" LOW PRESSURE (14" W.C.) HOUSE LINE TO INSIDE BUILDING. PROVIDE WATERTIGHT SEAL. SEE SHEET P1 FOR CONTINUATION.
12. PROVIDE 2" LOW PRESSURE (14" W.C.) GAS LINE TO EMERGENCY GENERATOR. SEE SHEET SU1 FOR CONTINUATION.
13. 150# FLAT-FACED FLANGE.
14. PROVIDE LOCKWING METER STOP WITH FLAT-FACED FLANGE.



PLUMBING OIL INTERCEPTOR DETAIL

NOTE: BASED ON PROCEPTOR 1500 GALLON OIL INTERCEPTOR TANK DESIGN. (TANK MUST BE INSTALLED IN ACCORDANCE WITH ALL RELEVANT FEDERAL, STATE, AND LOCAL CODES, INCLUDING LOCAL PLUMBING CODE) NOT TO SCALE

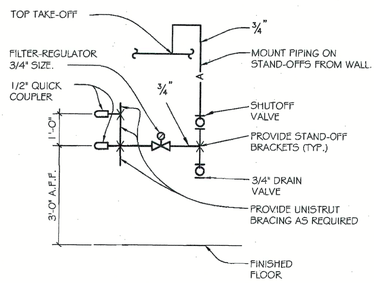


NOT TO SCALE

LOW POINT / COMPRESSED AIR DROP PIPING DETAIL

VERIFY EXACT PLACEMENT OF ALL ITEMS WITH ARCHITECT BEFORE ROUGHING IN. NOT TO SCALE

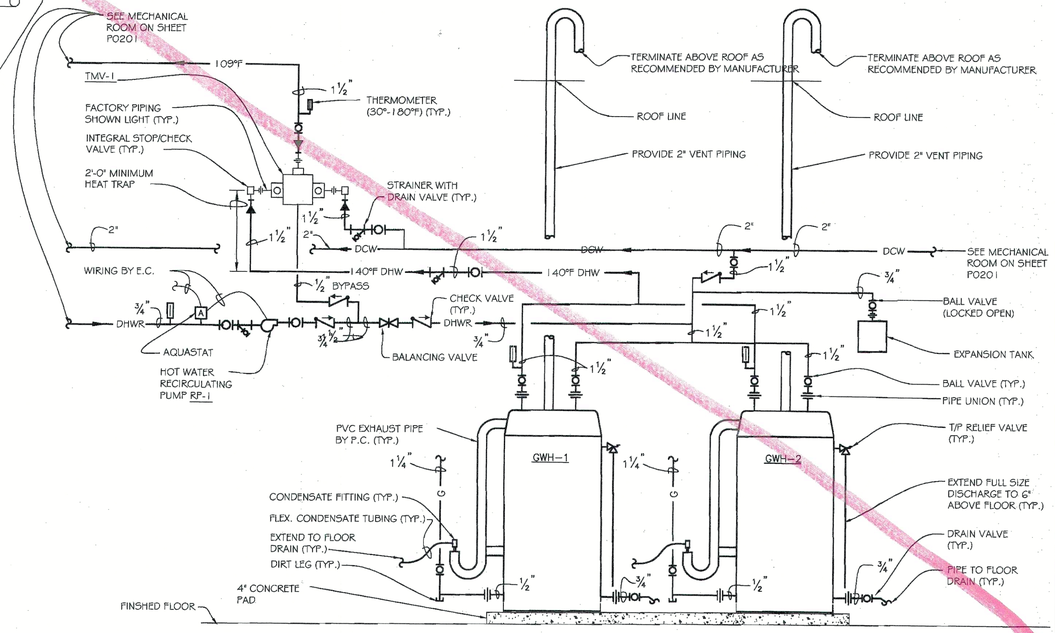
NOTE: PLUMBING CONTRACTOR TO COORDINATE SELECTION OF QUICK COUPLERS WITH OWNER TO ASSURE COMPATIBILITY WITH AIR-OPERATED TOOLS.



MOUNT COMPRESSED AIR PIPING AT APPROXIMATELY 3" OFF WALL. PIPING SHALL BE SECURELY MOUNTED TO COLUMN OR WALL STRUCTURE. (NOT TO WALL PANEL ONLY.) RIGIDLY MOUNT AIR LINE REGULATOR PARALLEL TO WALL. TURN QUICK COUPLER TO BE PERPENDICULAR TO AND CLOSE TO WALL. AIR REGULATOR MUST BE THREADED ON BEFORE FINAL PIPING CONNECTION IS MADE.

TYPICAL COMPRESSED AIR DROP PIPING DETAIL

VERIFY EXACT PLACEMENT OF ALL ITEMS WITH ARCHITECT BEFORE ROUGHING IN. NOT TO SCALE



DOMESTIC WATER HEATER & THERMOSTATIC MIXING VALVE PIPING DIAGRAM

NOT TO SCALE

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO — PROFESSIONAL ENGINEERS — REGISTERED — G. G. TOPP 51988 — M. L. YOUNG 43335

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS MAY 16, 2014

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P501

PLUMBING SCHEDULES AND DETAILS

From: Greg Topp <gtopp@rdfa.com>
Sent: Friday, November 07, 2014 3:00 PM
To: Andry, Tom
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick; Tom Converse; Markus Lott; Mike Young
Subject: RE: Athens ODOT - Fluid Tank Vent Lines

We definitely have class IIIB liquids. **Vent outlets on atmospheric tanks storing Class IIIB liquids are allowed to discharge inside a building if the vent is a normally closed vent.**
We do not need to take them outside. Just a normally closed vent.

This should resolve this issue.

Gregory Topp, P.E., LEED-AP
RDFA
Roger D. Fields & Associates
4588 Kenny Road
Columbus, Ohio 43220-2777
614-451-2248
F 614-451-6628
E-mail: gtopp@rdfa.com
Web: www.rdfa.com

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From: Greg Topp
Sent: Friday, November 07, 2014 2:27 PM
To: 'Andry, Tom'
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick; Tom Converse; Markus Lott; Mike Young
Subject: RE: Athens ODOT - Fluid Tank Vent Lines

Let's verify what class fluids that we have. The piping definitely needs to be steel.

3404.2.7.3.3 Vent pipe outlets. Vent pipe outlets for tanks storing Class I, II or IIIA liquids shall be located such that the vapors are released at a safe point outside of buildings and not less than 12 feet (3658 mm) above the finished ground level. Vapors shall be discharged upward or horizontally away from adjacent walls to assist in vapor dispersion. Vent outlets shall be located such that flammable vapors will not be trapped by eaves or other obstructions and shall be at least 5 feet (1524 mm) from building openings or *lot lines* of properties that can be built upon. Vent outlets on atmospheric tanks storing Class IIIB liquids are allowed to discharge inside a building if the vent is a normally closed vent.

Gregory Topp, P.E., LEED-AP
RDFA
Roger D. Fields & Associates
4588 Kenny Road
Columbus, Ohio 43220-2777
614-451-2248
F 614-451-6628
E-mail: gtopp@rdfa.com
Web: www.rdfa.com

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From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Friday, November 07, 2014 11:38 AM
To: Greg Topp
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick; Tom Converse
Subject: Athens ODOT - Fluid Tank Vent Lines

Gregg,
Please pass this along to Markus. I called him about this yesterday.

For the fluid tanks, there needs to be a vent line installed. Nothing is shown on the drawings. The questions are:

Where is this venting to? Prefer the east exterior wall of room OMF13,
What type of material for vent (PVC, metal, etc)?
Can the vents be combined into 1 vent before it leaves the inside of the building?

Let us know. Need an answer asap. Must be completed by next Friday. Thanks.
Sincerely,

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 068

REQUEST FOR INFORMATION

TO: RDI
ATTN: Tom Converse
EMAIL: tconverse@rdicolumbus.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Fire Protection Head Cages

DATE: 10-Oct-14
PAGE: 1 of 1
DWG: N/A
SPEC: N/A

Please see attached RFI for your review.

Are cages required around the fire protection heads where no ceilings are installed (Truck storage, vehicle maintenance, etc)?

These are not located in the specifications.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 10-Oct-14
DISTRIBUTION: File, Greg Topp

REPLY (RETURN THIS SHEET WITH REPLY):

8. Furnish the following sprinkler types:
   1. Rooms with ceilings: Victaulic Model V3802. Quick response, 5.6 K-factor, standard coverage, pendent, concealed, 1/2 in. adjustment, and electroplated white finish cover plate.
   2. Rooms without ceilings, mechanical rooms, storage rooms, attics, and gymnasiums: Victaulic Model V2704. Quick response, 5.6 K-factor, standard coverage, chrome-plated, upright, with guard.
   3. At the Contractor's option, extended coverage sprinklers may be provided in lieu of the above sprinkler types, provided that hydraulic calculations establish adequate system flow and pressure.

DATE OF REPLY: _____ **SIGNED:** Gregory C. Topp

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 063

REQUEST FOR INFORMATION

TO: RDFA
ATTN: Greg Topp
EMAIL: gtopp@rdfa.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Rod Sizes

DATE: 23-Sep-14
PAGE: 1 of 3
DWG:
SPEC: N/A

Please see attached RFI from our Fire Protection subcontractor.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 24-Sep-14
DISTRIBUTION: File, Markus Lott, Tom Converse

REPLY (RETURN THIS SHEET WITH REPLY):

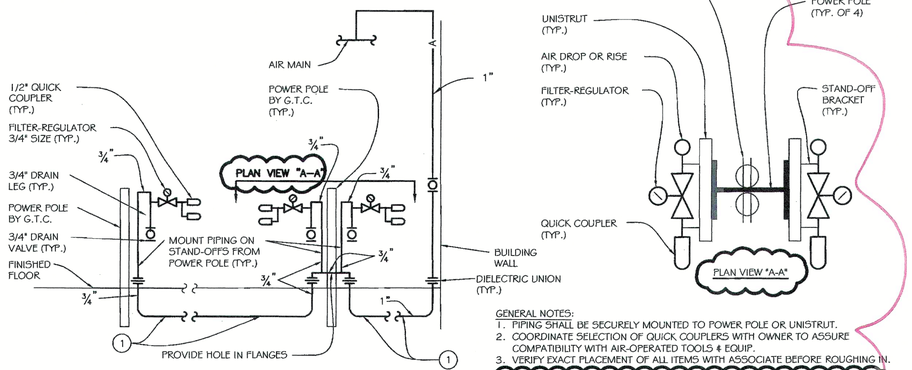
The contractor may adhere to NFPA standard hangar sizing and spacing in lieu of what is shown in the specifications.

DATE OF REPLY: 9/23/14 **SIGNED:** Markus Lott

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

Rotated in field per direction of ODOT. Shown. Final location of air determined by ODOT.



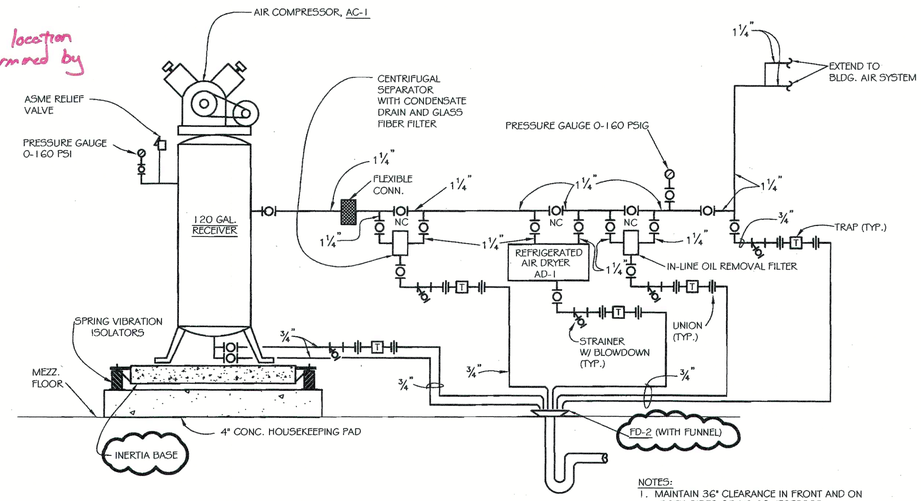
GENERAL NOTES:
1. PIPING SHALL BE SECURELY MOUNTED TO POWER POLE OR UNISTRUT.
2. COORDINATE SELECTION OF QUICK COUPLERS WITH OWNER TO ASSURE COMPATIBILITY WITH AIR-OPERATED TOOLS & EQUIP.
3. VERIFY EXACT PLACEMENT OF ALL ITEMS WITH ASSOCIATE BEFORE ROUGHING IN.

CODED NOTE

1. TYPE "K" SOFT COPPER WITH NO JOINTS UNDERGROUND AND TO 12" A.F.F. WITH 1/2" CLOSED CELL PIPE INSULATION.

SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL

NOT TO SCALE



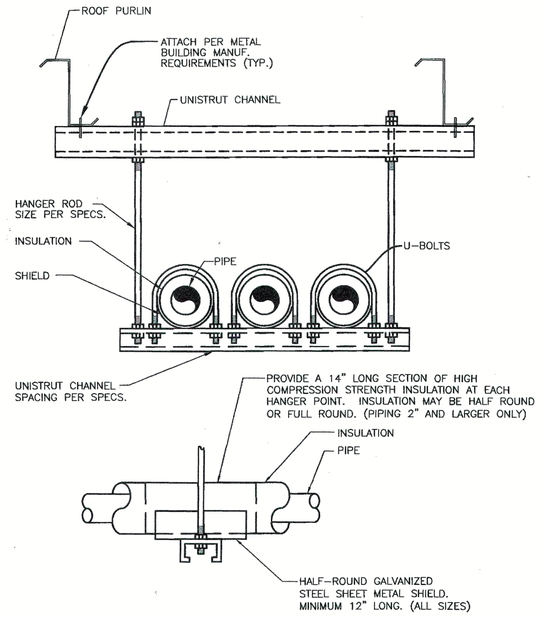
NOTES:
1. MAINTAIN 36" CLEARANCE IN FRONT AND ON BOTH SIDES OF AIR COMPRESSOR.
2. PROVIDE DRIPS AT ALL LOW POINTS.

15 H.P. TWIN CYLINDER AIR COMPRESSOR AC-1 PIPING

NOT TO SCALE

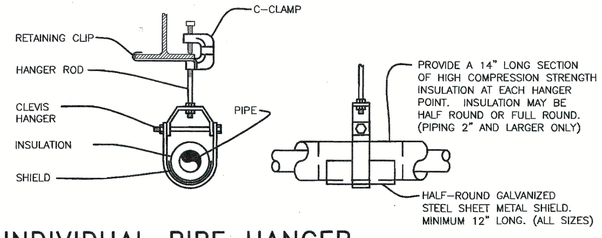
For Fire Protection Hangers, see RFI-#063

For cage around fire protection head requirements, see RFI-068



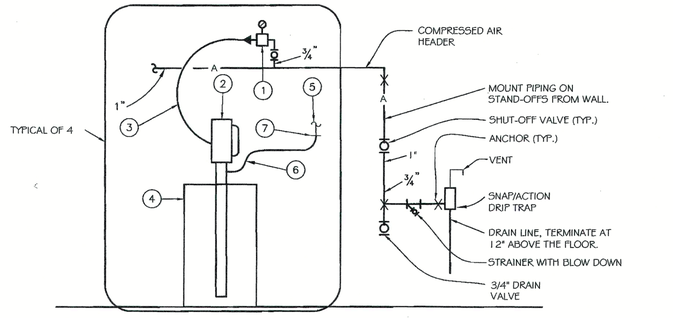
TRAPEZE PIPE HANGER DETAIL

NOT TO SCALE



INDIVIDUAL PIPE HANGER

NOT TO SCALE

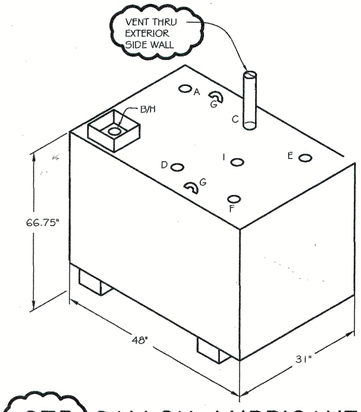


DRUM LUBRICANT PUMP PIPING CODED NOTES

1. FILTER/REGULATOR/LUBRICATOR ASSEMBLY WITH PRESSURE GAUGE. SET AT MAX. 90 PSIG.
2. TANK MOUNTED PUMP ASSEMBLY.
3. 5'-0" 1/4" FLEXIBLE AIR LINE HOSE.
4. DRUM BY CONTRACTOR AND LUBRICANT PROVIDED BY OWNER.
5. FIXED PIPING/TUBING FOR MATERIAL DISTRIBUTION. 3/4" I.D. FOR MOTOR OIL, 3/4" I.D. FOR ENGINE COOLANT, 3/4" I.D. FOR AUTOMATIC TRANSMISSION FLUID, 3/4" I.D. FOR HYDRAULIC OIL, AND 1/4" O.D. FOR GREASE.
6. FLEXIBLE TUBING.
7. THREADED FEMALE FITTING FOR OILS AND FLARE LOCK FITTING FOR GREASE.

DRUM LUBRICANT PUMP PIPING DETAIL

NOT TO SCALE



TAPPINGS/EQUIPMENT:
A. 2" SPARE.
B. 2" FILL WITH FILL CAP.
C. 2" PRIMARY VENT.
D. 2" GAUGE WITH LEVEL GAUGE.
E. 4" EMERGENCY VENT WITH VENT CAP.
F. 2" SPARE.
G. LIFTING LUG.
H. 7 GALLON SPILL BOX.
I. 2" DROP TUBE W/QUICK CONNECT AND CAP (FOR OIL EXTRACTION).

GENERAL NOTES
1. ALL OPENINGS SHALL BE FEMALE THREADED.

275 GALLON LUBRICANT AND WASTE OIL TANK

NOT TO SCALE

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014

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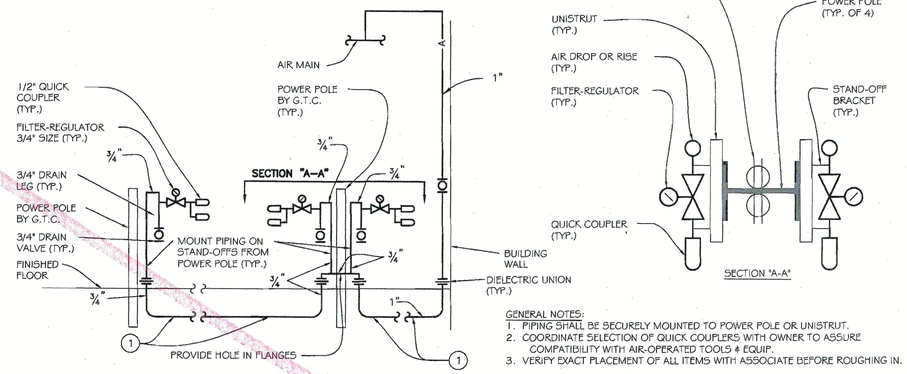
P502

PLUMBING SCHEDULES AND DETAILS



SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL

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3. VERIFY EXACT PLACEMENT OF ALL ITEMS WITH ASSOCIATE BEFORE ROUGHING IN.

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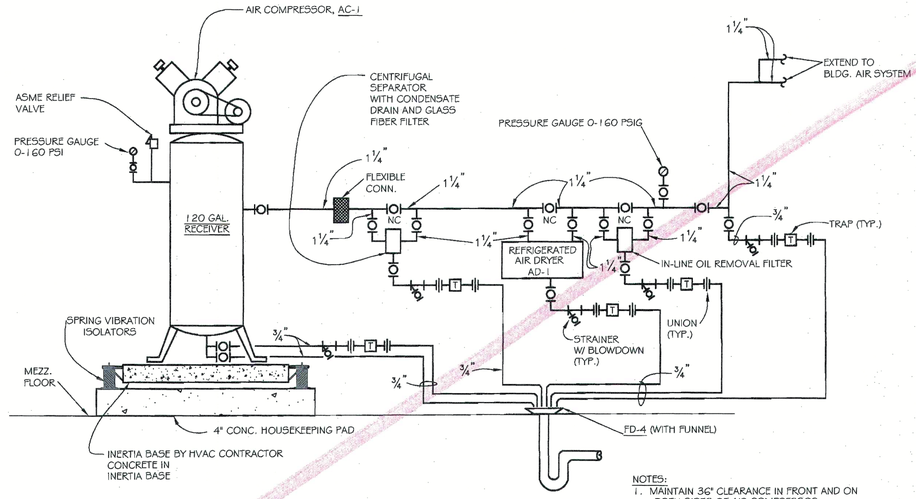

15 H.P. TWIN CYLINDER AIR COMPRESSOR AC-1 PIPING

NOT TO SCALE

NOTES:
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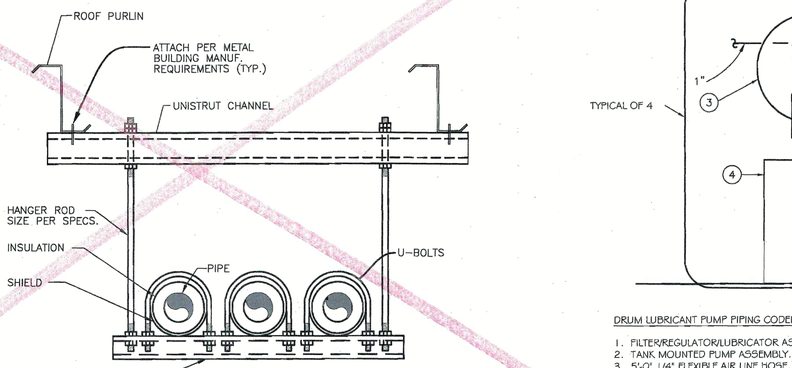

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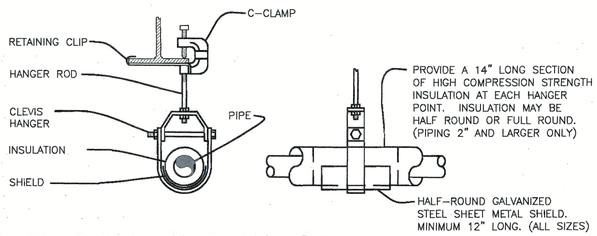
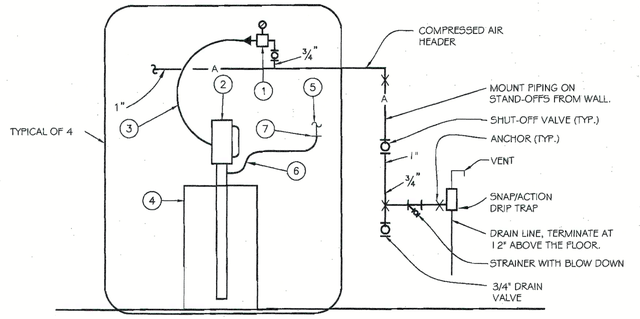


INDIVIDUAL PIPE HANGER

NOT TO SCALE



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DRUM LUBRICANT PUMP PIPING DETAIL

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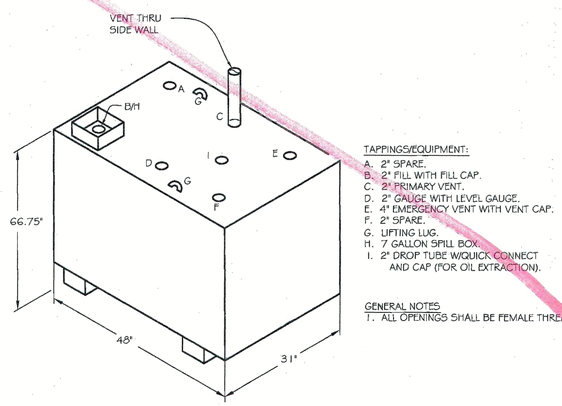

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NOT TO SCALE

THOMAS & MARKER CONSTRUCTION

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700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

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PLUMBING SCHEDULES AND DETAILS

Roger D. Fields & Associates • 4588 Kenny Road • Columbus, Ohio 43220-2777
Phone: (614) 451-2248 • Fax: (614) 451-6628
www.rdfa.com • Email: rogerfields@rdfa.com

PROJECT NO. DOT-130006
OHIO DEPARTMENT OF TRANSPORTATION
ATHENS FULL SERVICE MAINTENANCE FACILITY

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI)
Issue Date: September 30, 2014

PLUMBING WORK

DESCRIPTION

ITEM 1. Sheet P601, "Plumbing Stacks": Refer to Revised Stack on attached Sheet P601, dated September 30, 2014, for clarification regarding the items listed below.

A. Add a 2-inch air admittance valve in Mechanical Room OMF-010.

B. Remove venting between vehicle maintenance and the office.

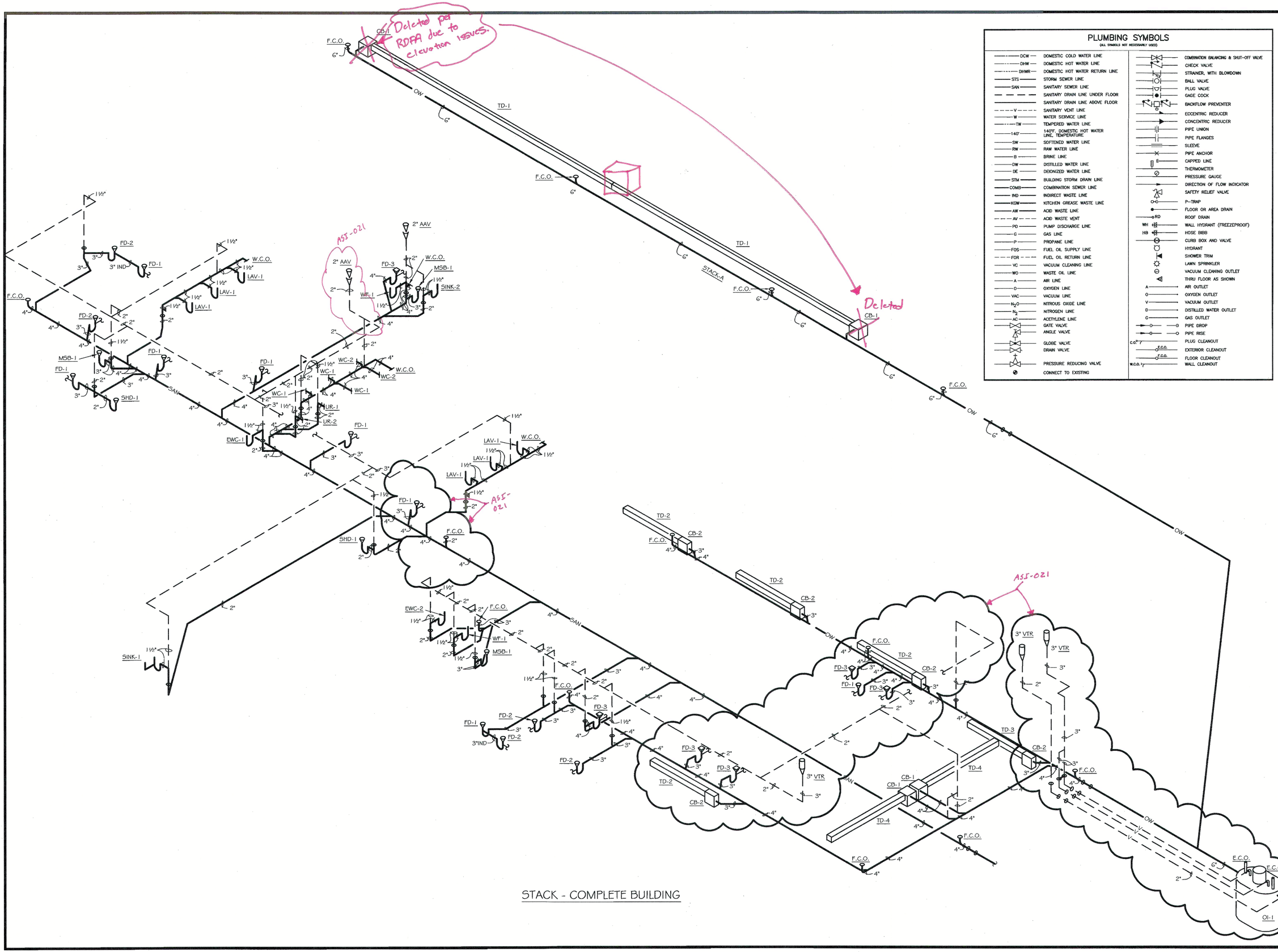
C. Relocate section of venting from Heavy Truck Maintenance Bay OMF-012.3 to Washbay OMF-016.

D. Add a 2-inch vent on oil interceptor waste outlet and route into building.

JUSTIFICATION

The changes made to the plumbing stack are required by the Local Plumbing Inspector for his signature.

END OF ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI) ITEMS



STACK - COMPLETE BUILDING

PLUMBING SYMBOLS

(ALL SYMBOLS NOT NECESSARILY USED)

- DCW — DOMESTIC COLD WATER LINE
- DHW — DOMESTIC HOT WATER LINE
- DHWR — DOMESTIC HOT WATER RETURN LINE
- STS — STORM SEWER LINE
- SAN — SANITARY SEWER LINE
- SANITARY DRAIN LINE UNDER FLOOR
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- V — SANITARY VENT LINE
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- STRAINER, WITH BLOWDOWN
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THOMAS & MARKER CONSTRUCTION

RDFA

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BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS

ADDENDUM	MAY 30, 2014
COMPLIANCE	JUNE 24, 2014
PL RFI# 015	AUGUST 8, 2014
PL RFI# 057	SEPTEMBER 3, 2014
REVISED STACK	SEPTEMBER 25, 2014

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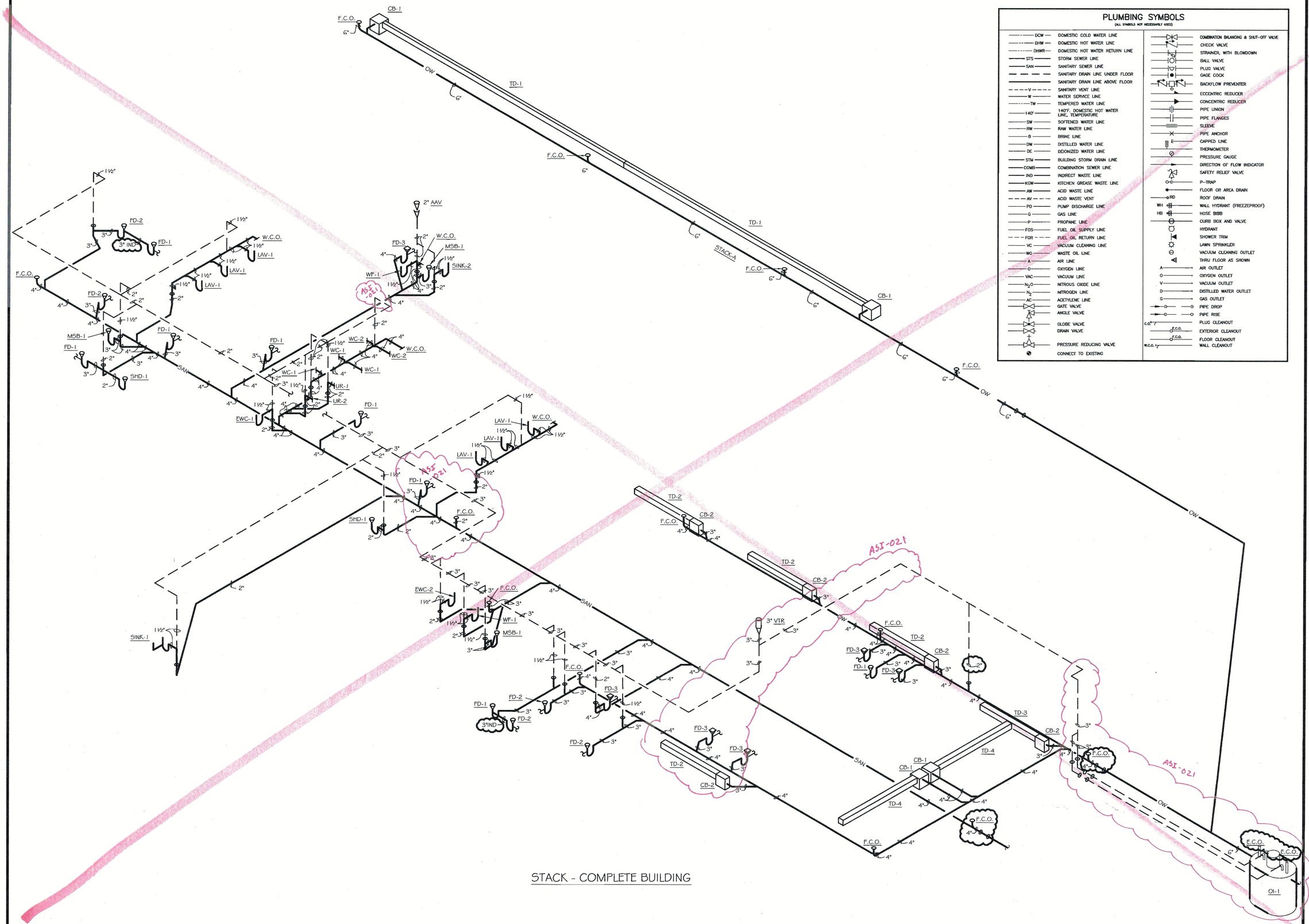
P601

PLUMBING STACKS



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ADDENDUM MAY 30, 2014

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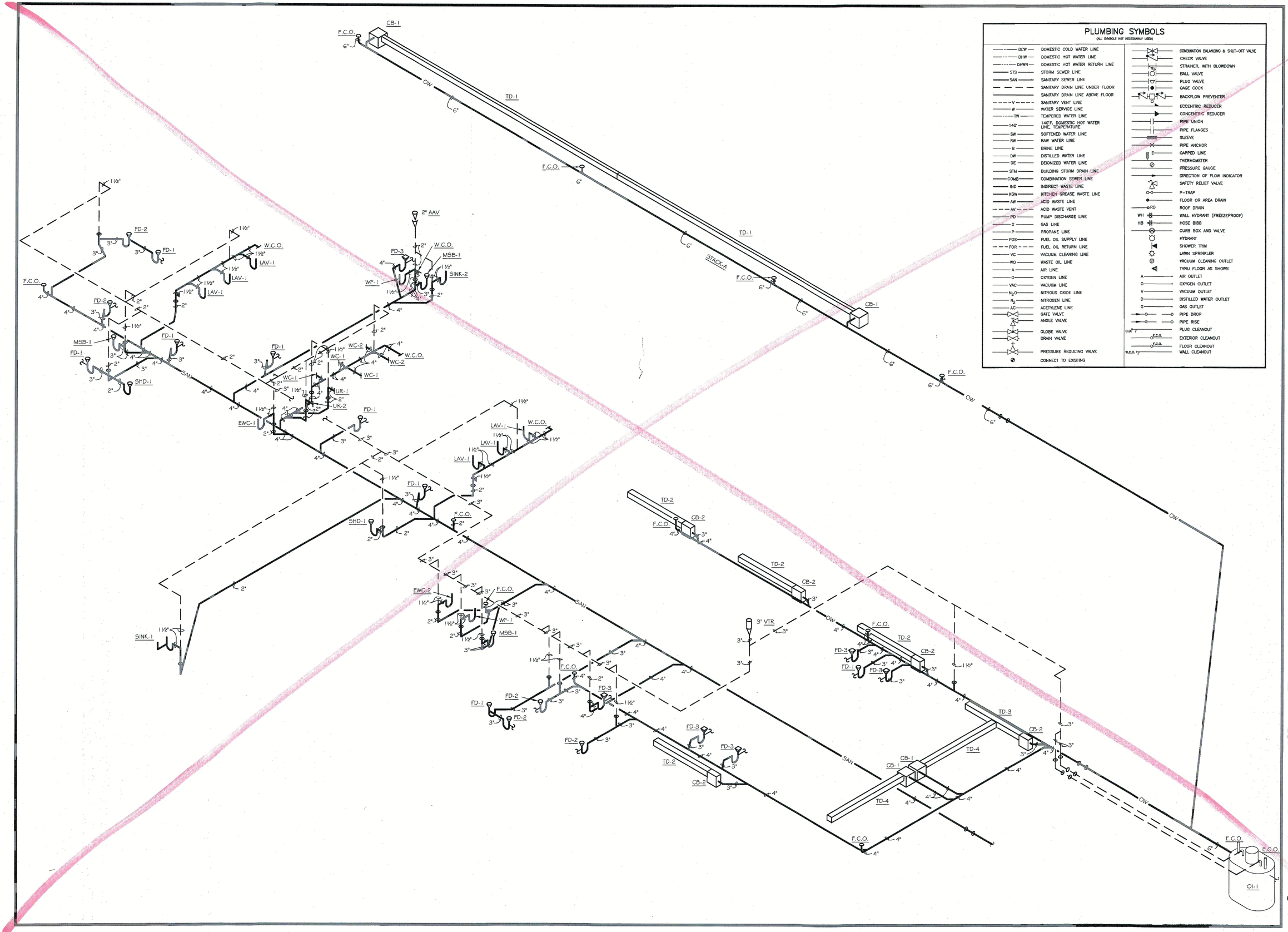
P601

PLUMBING STACKS



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P601

PLUMBING STACKS

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 066

REQUEST FOR INFORMATION

TO: RDI
ATTN: Tom Converse
EMAIL: tconverse@rdicolumbus.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Office Refrigerator Piping

DATE: 30-Sep-14
PAGE: 1 of 2
DWG: PO201
SPEC: N/A

Please see attached RFI from our Plumbing subcontractor.

The latest drawing does not show a water line or a cold water valve box to the refrigerator. Only a 2" vent added to the sink-1.

Please advise routing and valve box.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 2-Oct-14
DISTRIBUTION: File, Greg Topp

REPLY (RETURN THIS SHEET WITH REPLY):

Route 1/4" tubing from sink DCW over to the refrigerator through the back of the cabinetry. Use self tapping valve. BFP is not required.

DATE OF REPLY: 9/30/2014 **SIGNED:** Gregory C. Topp

FINAL DISTRIBUTION: File, Field

Matulja, Rick

From: Andry, Tom
Sent: Tuesday, August 26, 2014 2:49 PM
To: Alex Wall; morganq1m@aol.com; Tom Marshall
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick
Subject: Fwd: 13301 - Office Drains - DOT-130006 - Athens Full Service Maintenance Facility

All,
See below. Thanks.

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P): 614.754.8349
(F): 614.824.1605
(C): 937.407.5229
Athens ODOT Full Service Facility

Sent from my iPhone

Begin forwarded message:

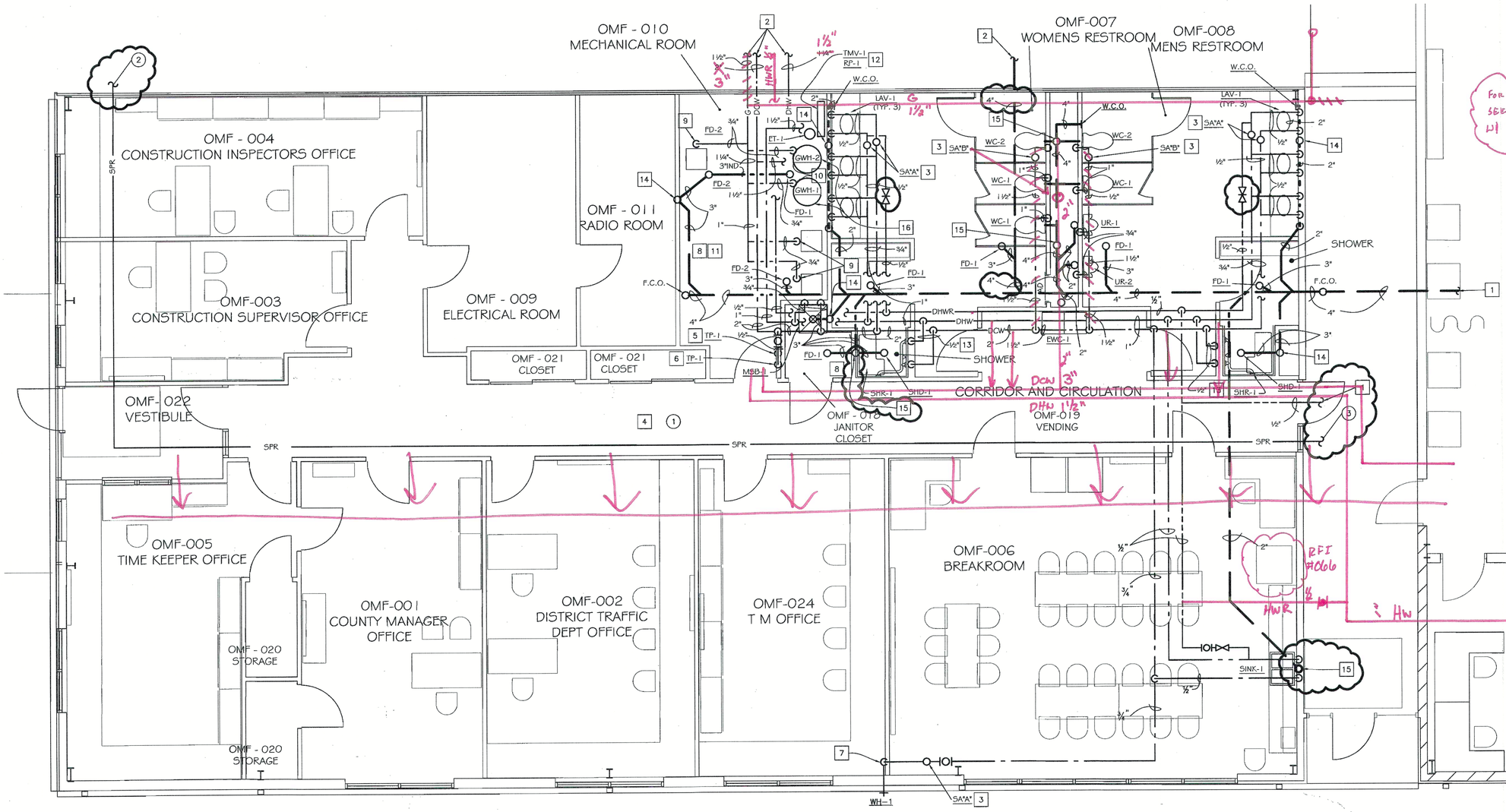
> **From:** Tom Converse <TConverse@RDIColumbus.com>
> **Date:** August 26, 2014 at 2:04:19 PM EDT
> **To:** "Andry, Tom" <tandry@thomas-marker.com>
> **Cc:** <jklock@starconsultants.org>, <Rich.Oster@dot.state.oh.us>, <Sulaiman.Bah@dot.state.oh.us>
> **Subject: 13301 - Office Drains - DOT-130006 - Athens Full Service Maintenance Facility**
> **Reply-To:** <TConverse@RDIColumbus.com>
>
> Tom
> Set Office floor drains with 'bowl' in floor with 2-feet radius, centered on drain, and floor sloping down to drain 1/4-inch-per-foot.
> Tom Converse

PLUMBING CODED NOTES

1. SEE VEHICLE MAINTENANCE PLUMBING PLAN ON SHEET PV201 FOR CONTINUATION.
2. SEE TRUCK STORAGE PLUMBING PLAN ON SHEET PT201 FOR CONTINUATION.
3. PROVIDE SHOCK ABSORBER, SEE SIZE ON DRAWINGS. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. SPACE ABOVE CEILING IN OFFICE AREA IS USED FOR HVAC RETURN AIR PLENUM. USE METAL PIPE FOR SANITARY WASTE AND VENT PIPING IN THIS AREA.
5. PROVIDE 1/2" DCW LINE TO TRAP PRIMER TP-1 EXPOSED ON WALL. PROVIDE SEPARATE 3/4" DRAIN LINES TO (4) FLOOR DRAINS: (3) IN MECHANICAL ROOM OMF-010 AND (1) IN JANITOR CLOSET OMF-018.
6. PROVIDE 1/2" DCW LINE TO TRAP PRIMER TP-1 EXPOSED ON WALL. PROVIDE SEPARATE 3/4" DRAIN LINES TO (4) FLOOR DRAINS: (2) IN WOMENS RESTROOM OMF-007 AND (2) IN MENS RESTROOM OMF-008.
7. PROVIDE 3/4" DCW AND 3/4" DHW DOWN IN WALL TO WH-1.
8. PROVIDE PVC JACKET ON ALL INSULATED PIPING IN THIS ROOM/AREA.
9. PROVIDE GAS DROP, SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO HVAC EQUIPMENT.
10. PROVIDE GAS DROP, SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO GAS WATER HEATER.
11. COORDINATE PIPING WITH STRUCTURE AND DUCTWORK.
12. INSTALL THERMOSTATIC MIXING VALVE ASSEMBLY AND MAKE FINAL PIPING CONNECTIONS. SEE DOMESTIC WATER HEATER AND THERMOSTATIC MIXING VALVE PIPING DIAGRAM ON SHEET P501.
13. PROVIDE 1/2" DCW AND 1/2" DHW DOWN IN WALL TO SHR-1.
14. PROVIDE 1-1/2" VENT UP IN WALL TO ABOVE CEILING, OFFSET, CONNECT INTO ABOVE CEILING VENT MAIN ABOVE CEILING, AND EXTEND UP THRU ROOF.
15. PROVIDE 2" VENT UP IN WALL TO ABOVE CEILING, OFFSET, CONNECT INTO ABOVE CEILING VENT MAIN ABOVE CEILING, AND EXTEND UP THRU ROOF.
16. INSTALL AND MAKE FINAL PIPING CONNECTIONS. PROVIDE GWH-1,2 ON 6" HOUSEKEEPING PAD. TERMINATE WATER HEATER T&P VALVE 6" ABOVE FLOOR. COORDINATE POWER SUPPLY FINAL CONNECTION WITH THE E.C. SEE DOMESTIC WATER HEATER AND THERMOSTATIC MIXING VALVE PIPING DIAGRAM ON SHEET P501.

FIRE PROTECTION CODED NOTES

1. PROVIDE SPRINKLER COVERAGE IN OFFICE AREA PER NFPA 13 REQUIREMENTS.
2. SEE TRUCK STORAGE PLUMBING PLAN ON SHEET PT201 FOR CONTINUATION.
3. SEE VEHICLE MAINTENANCE PLUMBING PLAN ON SHEET PV201 FOR CONTINUATION.



OFFICE PLUMBING PLAN

0 4'

NORTH

FLOOR PLAN FACILITY OFFICE

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014

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PO201

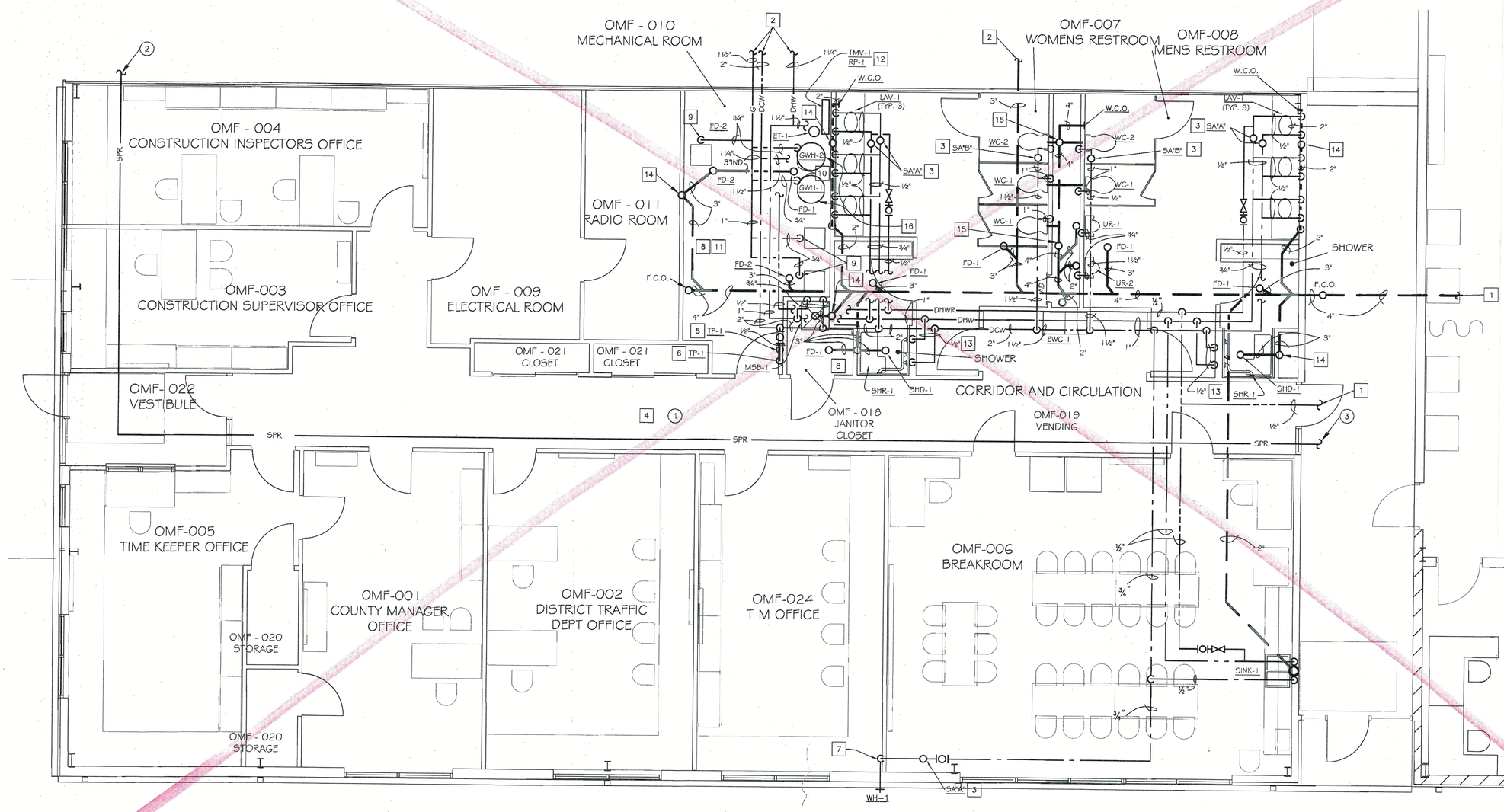
OFFICE PLUMBING PLAN

PLUMBING CODED NOTES

1. SEE VEHICLE MAINTENANCE PLUMBING PLAN ON SHEET PV201 FOR CONTINUATION.
2. SEE TRUCK STORAGE PLUMBING PLAN ON SHEET PT201 FOR CONTINUATION.
3. PROVIDE SHOCK ABSORBER, SEE SIZE ON DRAWINGS. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. SPACE ABOVE CEILING IN OFFICE AREA IS USED FOR HVAC RETURN AIR PLENUM. USE METAL PIPE FOR SANITARY WASTE AND VENT PIPING IN THIS AREA.
5. PROVIDE 1/2" DCW LINE TO TRAP PRIMER TP-1 EXPOSED ON WALL. PROVIDE SEPARATE 3/4" DRAIN LINES TO (4) FLOOR DRAINS ON (3) IN MECHANICAL ROOM OMF-010 AND (1) IN JANITOR CLOSET OMF-018.
6. PROVIDE 1/2" DCW LINE TO TRAP PRIMER TP-1 EXPOSED ON WALL. PROVIDE SEPARATE 3/4" DRAIN LINES TO (4) FLOOR DRAINS ON (2) IN WOMENS RESTROOM OMF-007 AND (2) IN MENS RESTROOM OMF-008.
7. PROVIDE 3/4" DCW AND 3/4" DHW DOWN IN WALL TO WF-1.
8. PROVIDE PVC JACKET ON ALL INSULATED PIPING IN THIS ROOM/AREA.
9. PROVIDE GAS DROP, SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO HVAC EQUIPMENT.
10. PROVIDE GAS DROP, SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO GAS WATER HEATER.
11. COORDINATE PIPING WITH STRUCTURE AND DUCTWORK.
12. INSTALL THERMOSTATIC MIXING VALVE ASSEMBLY AND MAKE FINAL PIPING CONNECTIONS. SEE DETAIL 'B' ON SHEET P3 FOR PIPING. SEE DOMESTIC WATER HEATER AND THERMOSTATIC MIXING VALVE PIPING DIAGRAM ON SHEET P501.
13. PROVIDE 1/2" DCW AND 1/2" DHW DOWN IN WALL TO SHR-1.
14. PROVIDE 1-1/2" VENT UP IN WALL TO ABOVE CEILING, OFFSET, CONNECT INTO ABOVE CEILING VENT MAIN ABOVE CEILING, AND EXTEND UP THRU ROOF.
15. PROVIDE 2" VENT UP IN WALL TO ABOVE CEILING, OFFSET, CONNECT INTO ABOVE CEILING VENT MAIN ABOVE CEILING, AND EXTEND UP THRU ROOF.
16. INSTALL AND MAKE FINAL PIPING CONNECTIONS. PROVIDE GWH-1,2 IN DRAIN PAN PIPED TO FLOOR DRAIN. TERMINATE WATER HEATER T&P VALVE 6" ABOVE DRAIN PAN. COORDINATE POWER SUPPLY FINAL CONNECTION WITH THE E.C. SEE DOMESTIC WATER HEATER AND THERMOSTATIC MIXING VALVE PIPING DIAGRAM ON SHEET P501.

FIRE PROTECTION CODED NOTES

1. PROVIDE SPRINKLER COVERAGE IN OFFICE AREA PER NFPA 13 REQUIREMENTS.
2. SEE TRUCK STORAGE PLUMBING PLAN ON SHEET PT201 FOR CONTINUATION.
2. SEE VEHICLE MAINTENANCE PLUMBING PLAN ON SHEET PV201 FOR CONTINUATION.



OFFICE PLUMBING PLAN

0 4'

NORTH

FLOOR PLAN FACILITY OFFICE

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
PROFESSIONAL ENGINEERS
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G. C. TOPP
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DOCUMENTS
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OFFICE PLUMBING PLAN

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RFI # 071

REQUEST FOR INFORMATION

REPLY (RETURN THIS SHEET WITH REPLY):

We would recommend that the weight of the reels be hung/supported from the beams provided above, and brace to the wall for lateral stability.

DATE OF REPLY: 10/24/2014 **SIGNED:** Steve mcClarren – Jezerinac Geers

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RFI # 039

REQUEST FOR INFORMATION

TO: RDFA & RDI Architects **DATE:** 19-Aug-14
ATTN: Greg Topp & Christi Jewell **PAGE:** 1 of 2
EMAIL: gtopp@rdfa.com, tconverse@rdicolumbus.c **DWG:** N/A
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Catch Basins

Please see attached RFI from our plumbing subcontractor.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 20-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

DATE OF REPLY: **SIGNED:**

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

Quality 1 MECHANICAL
81 Front St. Groveport, Ohio 43125
Office (614) 836-7123 Fax (614) 836-7124 Cell (614) 440-8447

OFFICIAL RFI

Project ODOT Athens **Submitted Date:** 8/19/14
RFI # 003 **Answer Date:**
Cost associated : YES **ATTN:** Thomas & Marker

Question:

REF : Catch Basins

Please be advised Quality 1 Mechanical leading up to our inspection on 8/18/2014 called for a consult in regards to the piping practices as shown on the drawings for clarity of requirements of the sand traps as drawn, we were given verbal direction by the state to continue CB-2 piping as drawn for the CB-1. Upon our inspection our inspector has a different interpretation of 1003.4 code of oil separators that are used for flammable liquids, the CB-1 and CB-2 catch basins shall receive a trap as to keep flammable gases from entering the service area from the drainage system from the oil interceptor.

This can be argued via code 1003.5 Sand interceptor in commercial establishments Which require a 6" water seal.

The inspector is requiring a trap at each CB coming off flat from the main, to elevate the need for a vent. It is unclear at this time if a trap primer is required for each trap. There will be an additional cost associated. Please advise how to proceed.

Answer:

THE CONTRACTOR SHALL PROVIDE A TRAP SEAL INSIDE BOTH TYPES OF CATCH BASINS by EXTENDING THE WASTE PIPE INTO THE CATCH BASIN AND TURNING DOWN 6" TO PROVIDE THE APPROPRIATE SEAL. REFER TO THE E.C. BABBERT MANUFACTURER'S DOCUMENTATION FOR REFERENCE. TRAP PRIMERS WEREN'T INTENDED FOR THE TRENCH DRAINS AS BAY WASHDOWN IS PERFORMED REGULARLY BY THE ODOT STAFF. HOWEVER, THE CONTRACTOR SHALL CONFIRM IF THIS WILL BE ACCEPTED BY THE INSPECTOR. -Markus Lott (RDFA) 8/20/14

Submitted by: Tom Marshall **Date: 8/19/2014**

From: Markus Lott <[redacted]>
Date: October 23, 2014 at 3:18:27 PM EDT
To: "Andry, Tom (tandry@thomas-marker.com)" <tandry@thomas-marker.com>
Cc: "<TConverse@RDIColumbus.com>" <tconverse@rdicolumbus.com>
Subject: RE: Lubrication System at 8'6"

Tom,
As we discussed over the phone I think that installing the reels 8'-9' above the finished floor would be in the best interest of the owner for serviceablity sake. They should be able to reach the reels by an 8' step ladder at most. The contractor is correct in that we for the most part were trying to keep piping/ lighting/ equipment above 18' in the bays to maintain clearance for the vehicles. However, that's not a concern for the reels since they are along the sides of the bay walls. Also the dispenser guns designed to hang down to be grabbed overhead which would be below 18' anyway.

RFI # 046

Thank you,
Markus Lott

REQUEST FOR INFORMATION

TO: RDI Architects & RDFA **DATE:** 21-Aug-14
ATTN: Tom Converse & Greg Topp **PAGE:** 1 of 4
EMAIL: tconverse@rdicolumbus.com **DWG:** PV201
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Truck Lift Drains

Per drawing PV201, it calls out floor drains on the east and west ends of the truck lift in the pit. The approved truck left shop drawing shows drains in the middle of the pit.

Please see the attachments of the truck lift submittal drawing, a photo of the proposed lift, and PV201 drawing. If we leave the The floor drains as installed on the drawings, then the truck lift pit floor will have to remain level. If a slope is desired then the drains will have to move to the center.

Please advise if the pit floor is required to be sloped per criteria or if the pit floor can be level?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 22-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

8/22/2014 - INSTALL DRAINS AS INDICATED IN APPROVED VERTICAL LIFT SUBMITTAL. A THIRD AT THE END OF ONE RAMP IS ACCEPTABLE. BETWEEN ENDS OF FLAT AREAS, SLOPE FLOOR 1% TO FLOOR DRAINS SHOWN ON SUBMITTAL.

DATE OF REPLY: 8/22/2014 **SIGNED:**

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RFI # 057

REQUEST FOR INFORMATION

TO: RDFA **DATE:** 29-Aug-14
ATTN: Greg Topp **PAGE:** 1 of 1
EMAIL: gtopp@rdfa.com **DWG:** N/A
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Trench Drain Spacing

Please see attached RFI from our plumbing subcontractor.

Quality 1 is concerned with the trench drain locations in the wash bay of the vehicle maintenance area. They show the td-3 installing in contact with the end of the td-4 with no space in between. Should there be 6" - 8" of concrete in between them to create a seal all the way around the trench? This would shift the td-3 from 6' to center from the inside face of the east exterior wall to 5'-8" to center.

Please advise new center line.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 1-Sep-14
DISTRIBUTION: File, Field, Tom Converse

REPLY (RETURN THIS SHEET WITH REPLY):

The contractor shall move the undercarriage wash trench drain east so that the west lip edge of the trench drain is 6'-6" from the exterior wall and is aligned with the concrete slope pattern. One of the sections of the trench drain TD-3 to the east of the undercarriage wash trench drain shall be omitted. Also 8-1/2" of space shall be provided between the trench drains TD-3 and catch basins CB-1 and between the two catch basins CB-1. The new layout shifts the catch basins slightly to the west to make up the space differences. These changes will facilitate a better concrete seal around all the wash bay trench drains and catch basins. See the attached sketch SKP-4 which is a revised version of PV201 which more accurately depicts the new spacing.

DATE OF REPLY: 9/3/14 **SIGNED:** Markus Lott (RDFA)

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RFI # 056

REQUEST FOR INFORMATION

TO: RDFA **DATE:** 29-Aug-14
ATTN: Greg Topp **PAGE:** 1 of 1
EMAIL: gtopp@rdfa.com **DWG:** N/A
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Trap Primer Locations in VM

Please see attached RFI from our plumbing subcontractor.

Please confirm the exact location for the trap primers shown in the piping in the vehicle maintenance area. Quality 1, would like to put one serving the floor drains in omf13, omf14, and the floor drain serving the eyewash, inside room omf14 along the south wall.
The 3 floor drains in the truck lift depression, Quality 1 would like to run along the dividing wall of the wash bay and lift area with it being mounted on the wash bay side.

Please advise if this is acceptable.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 1-Sep-14
DISTRIBUTION: File, Field, Tom Converse

REPLY (RETURN THIS SHEET WITH REPLY):

The contractor's solution is acceptable

DATE OF REPLY: 8/29/14 **SIGNED:** Markus Lott (RDFA)

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RFI # 032

REQUEST FOR INFORMATION

TO: Sands Decker CPS **DATE:** 11-Aug-14
ATTN: Jason Stevens **PAGE:** 1 of 1
EMAIL: Jstevens@sandsdeckercps.com **DWG:** N/A
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Site Gas Line

Please provide the exact coordinates for the gas line at the main building. It is critical that we come up with the NE corner of room OMF 14.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 13-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

The gas line coordinates are N 84246.735 E 73452.5798. Approximately 11 ft. south from the northeast building corner of the maintenance building.

DATE OF REPLY: 8-21-14 **SIGNED:** Jason Stevens

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

BULLETIN

Project: DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY
Bulletin No.: 002
Date of Issue: July 30, 2014 *August 8, 2014*
Owner: Ohio Department of Transportation
Architect: Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor: Thomas & Marker
Contract For: Design-Build Contract
Contract Dated:
Architects' Project No.: 13301

The following Add To, Delete From, or Change requirements of the Drawings and/or Specifications.

DESCRIPTION OF PROPOSED MODIFICATIONS:

VM Services Coordination

Change Sheet AV201 Revised July 22, 2014 to Sheet AV201 Revised July 23, 2014
Detail K-AV201 - Located Service Support Columns.
Relocated EQ7020 Grinder.
Relocated EQ7023 Wall Storage Rack.
Added Welding Bench (shown HV201).
Added Exhaust Reel (shown HV201).

Attachments:
Sheet AV201 Revised July 23, 2014
Sheet PV201 Revised August 1, 2014
Sheet HV201 Revised June, 24, 2014
Sheet E501 Revised June 24, 2014
Sheet EV201 Revised June 24, 2014

Submitted

Joseph A. Ebert August 8, 2014

Renouveau Design, Inc. Joseph A. Ebert Date

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614.754.8349 | 614.824.1605 fax
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RFI # 015

REQUEST FOR INFORMATION

TO: RDFA, JGA and Sands Decker **DATE:** 11-Jul-14
ATTN: Greg Topp, Jason Stevens **PAGE:** 1 of 1
EMAIL: gtopp@rdfa.com, jstevens@sandsdeckercp **DWG:** PV201.
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Sanitary Conflict With Slab

Please reference sheet PV201

There appears to be a conflict with the depressed slab for the truck lift and the sanitary lines on PV201. The invert on the sanitary and lines entering the North end of the building is 97.25. The sanitary line running through this area will have an invert of 97.72 as if reaches the Southside depression. The depth to bottom of concrete at the truck lift depression is 97.65. As you can see this will have the entire line encased in the lower 12" slab supporting the lift. The OW line has 5 drains that receive waste at the depressed portion of the slab. The line on the Westside of the building will also be at 97.72 to invert, meaning that these lines and their traps will be encased in this slab. The east line will have an even higher invert at 98.14 due to additional piping to reach that side of the building. This puts these pipes and traps nearly above the slab. If we lower both lines to 96.25 this should resolve the issue.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 14-Jul-14
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REPLY (RETURN THIS SHEET WITH REPLY):

THE CONTRACTOR SHALL LOWER BOTH LINES TO 96.25 AS PER HIS RECOMMENDED ACTION. THIS CHANGE SHALL BE COORDINATED WITH THE SITE UTILITY CONTRACTOR AS IT MAY IMPACT THEIR SITE SANITARY ELEVATIONS.

DATE OF REPLY: 7/14/2014 **SIGNED:** Markus Lott (Markus Lott - RDFA)

FINAL DISTRIBUTION: File, Field

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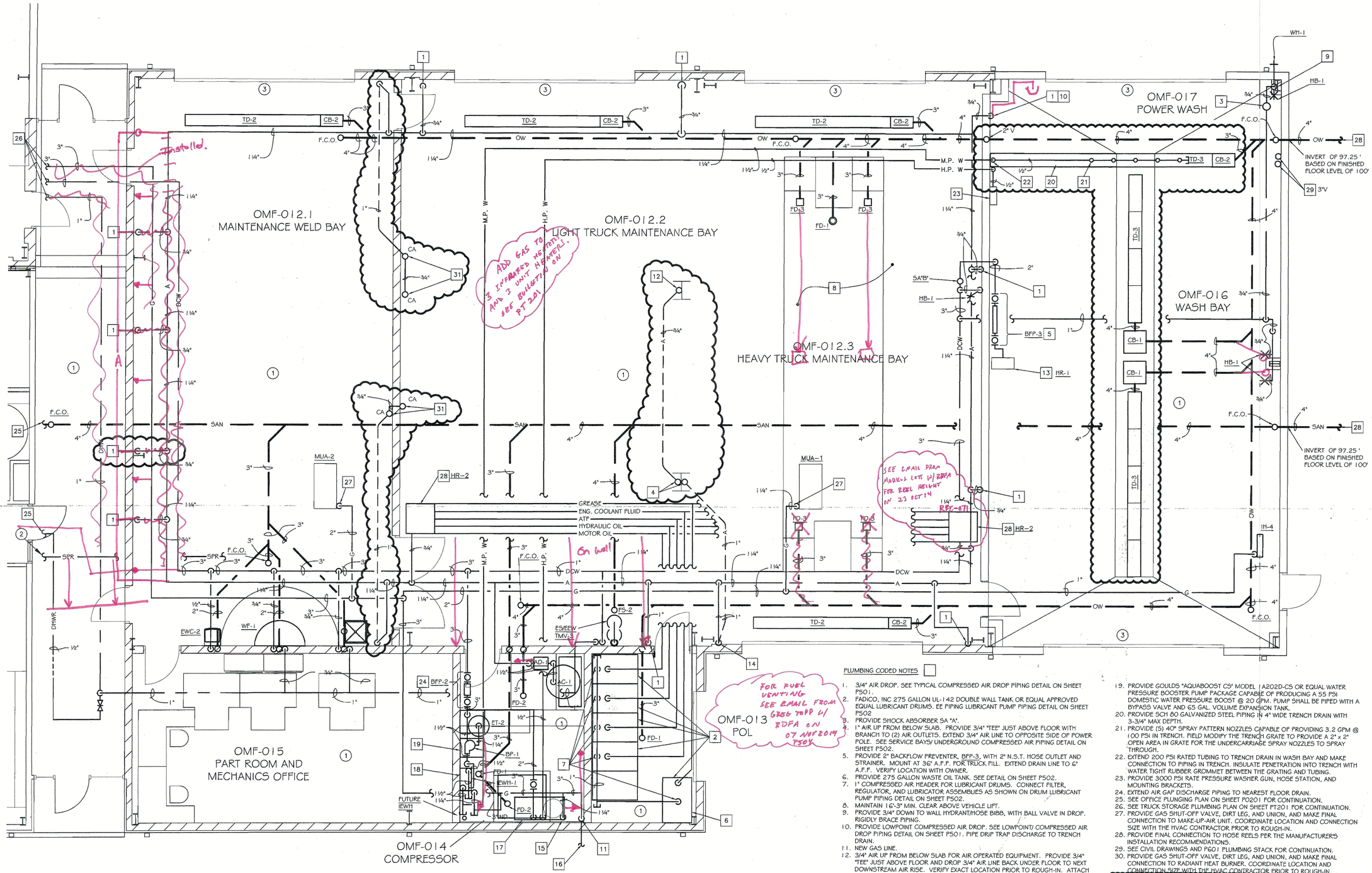

VEHICLE MAINTENANCE PLUMBING PLAN

VEHICLE MAINTENANCE PLUMBING PLAN

0 4' NORTH

FIRE PROTECTION CODED NOTES

1. PROVIDE SPRINKLER COVERAGE IN VEHICLE MAINTENANCE AREA PER NFPA 13 REQUIREMENTS.
2. SEE OFFICE PLUMBING PLAN ON SHEET P0201 FOR CONTINUATION.
3. PROVIDE SPRINKER COVERAGE ABOVE AND BELOW GARAGE DOORS.

PLUMBING CODED NOTES

1. 3/4" AIR DROP. SEE TYPICAL COMPRESSED AIR DROP PIPING DETAIL ON SHEET P501.
2. FADICO, INC 275 GALLON UL-142 DOUBLE WALL TANK OR EQUAL APPROVED EQUAL LUBRICANT DRUMS. EE PIPING LUBRICANT PUMP PIPING DETAIL ON SHEET P502
3. PROVIDE SHOCK ABSORBER 5A "A".
4. 1" AIR UP FROM BELOW SLAB. PROVIDE 3/4" "TEE" JUST ABOVE FLOOR WITH BRANCH TO (2) AIR OUTLETS. EXTEND 3/4" AIR LINE TO OPPOSITE SIDE OF POWER POLE. SEE SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL ON SHEET P502.
5. PROVIDE 2" BACKFLOW PREVENTER, BFP-3, WITH 2" N.S.T. HOSE OUTLET AND STRAINER. MOUNT AT 36" A.F.F. FOR TRUCK FILL. EXTEND DRAIN LINE TO 6" A.F.F. VERIFY LOCATION WITH OWNER.
6. PROVIDE 275 GALLON WASTE OIL TANK. SEE DETAIL ON SHEET P502.
7. 1" COMPRESSED AIR HEADER FOR LUBRICANT DRUMS. CONNECT FILTER, REGULATOR, AND LUBRICATOR ASSEMBLIES AS SHOWN ON DRUM LUBRICANT PUMP PIPING DETAIL ON SHEET P502.
8. MAINTAIN 16'-3" MIN. CLEAR ABOVE VEHICLE LIFT.
9. PROVIDE 3/4" DOWN TO WALL HYDRANT/HOSE BIBB, WITH BALL VALVE IN DROP. RIGIDLY BRACE PIPING.
10. PROVIDE LOWPOINT COMPRESSED AIR DROP. SEE LOWPOINT/ COMPRESSED AIR DROP PIPING DETAIL ON SHEET P501. PIPE DRIP TRAP DISCHARGE TO TRENCH DRAIN.
11. NEW GAS LINE.
12. 3/4" AIR UP FROM BELOW SLAB FOR AIR OPERATED EQUIPMENT. PROVIDE 3/4" "TEE" JUST ABOVE FLOOR AND DROP 3/4" AIR LINE BACK UNDER FLOOR TO NEXT DOWNSTREAM AIR RISE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. ATTACH AIR LINE TO POWER POLE. EXTEND 3/4" AIR LINE BELOW FLOOR SLAB TO WEST POWER POLE. PROVIDE UNISTRUT AS REQUIRED. SEE SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL ON SHEET P502.
13. PROVIDE FINAL CONNECTION TO HOSE REEL FOR TRUCK FILL. VERIFY EXACT LOCATION WITH THE G.T.C.
14. PROVIDE 1" SOFT COPPER AIR LINE WITH BALL VALVE DOWN TO BELOW FLOOR SLAB.
15. PROVIDE 2" GAS DROP TO NEW PRESSURE WASHER. PROVIDE SHUT-OFF VALVE, DIRT LEG, AND UNION. MAKE FINAL CONNECTION TO PRESSURE WASHER. OWNER SHALL PROVIDE PRESSURE WASHER.
16. SEE SITE UTILITY PLAN ON SHEET E021 FOR CONTINUATION.
17. MAKE FINAL WATER SUPPLY, GAS, AND HIGH PRESSURE WATER CONNECTIONS TO PRESSURE WASHER PER MANUFACTURER'S INSTRUCTIONS.
18. PROVIDE TAKAGI MODEL T-M50 OR EQUAL INSTANTANEOUS GAS WATER HEATER CAPABLE OF PRODUCING 14 GPM OF HOT WATER @ 40 DEG. TEMP RISE. MAKE FINAL COLD WATER, HOT WATER, AND GAS SUPPLY CONNECTIONS AND PROVIDE A SECOND PARALLEL SET OF CONNECTIONS FOR A FUTURE INSTANTANEOUS GAS WATER HEATER.
19. PROVIDE GOULDS "AQUABOOST CS" MODEL 1A202D-CS OR EQUAL WATER PRESSURE BOOSTER PUMP PACKAGE CAPABLE OF PRODUCING A 55 PSI DOMESTIC WATER PRESSURE BOOST @ 20 GPM. PUMP SHALL BE PIPED WITH A BYPASS VALVE AND 65 GAL. VOLUME EXPANSION TANK.
20. PROVIDE SCH 80 GALVANIZED STEEL PIPING IN 4" WIDE TRENCH DRAIN WITH 3-3/4" MAX DEPTH.
21. PROVIDE (5) 40° SPRAY PATTERN NOZZLES CAPABLE OF PROVIDING 3.2 GPM @ 100 PSI IN TRENCH. FIELD MODIFY THE TRENCH GRATE TO PROVIDE A 2" x 2" OPEN AREA IN GRATE FOR THE UNDERCARRIAGE SPRAY NOZZLES TO SPRAY THROUGH.
22. EXTEND 200 PSI RATED TUBING TO TRENCH DRAIN IN WASH BAY AND MAKE CONNECTION TO PIPING IN TRENCH. INSULATE PENETRATION INTO TRENCH WITH WATER TIGHT RUBBER GROMMET BETWEEN THE GRATING AND TUBING.
23. PROVIDE 3000 PSI RATE PRESSURE WASHER GUN, HOSE STATION, AND MOUNTING BRACKETS.
24. EXTEND AIR GAP DISCHARGE PIPING TO NEAREST FLOOR DRAIN.
25. SEE OFFICE PLUNGING PLAN ON SHEET P0201 FOR CONTINUATION.
26. SEE TRUCK STORAGE PLUMBING PLAN ON SHEET PT201 FOR CONTINUATION.
27. PROVIDE GAS SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO MAKE-UP-AIR UNIT. COORDINATE LOCATION AND CONNECTION SIZE WITH THE HVAC CONTRACTOR PRIOR TO ROUGH-IN.
28. PROVIDE FINAL CONNECTION TO HOSE REELS PER THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
29. SEE CIVIL DRAWINGS AND P601 PLUMBING STACK FOR CONTINUATION.
30. PROVIDE GAS SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO RADIANT HEAT BURNER. COORDINATE LOCATION AND CONNECTION SIZE WITH THE HVAC CONTRACTOR PRIOR TO ROUGH-IN.
31. 1" AIR UP FROM BELOW SLAB FOR AIR OPERATED EQUIPMENT. PROVIDE 3/4" OUTLET AT RISER LOCATION AND EXTEND 3/4" AIR LINE ABOVE SLAB TO SECOND OUTLET. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. ATTACH AIR LINE TO WALL. PROVIDE DRAIN, FILTER-REGULATOR, AND QUICK CONNECTS AS SHOWN ON SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL ON SHEET P502.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
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M. L. YOUNG
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ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014
PL RFI# 015 AUGUST 8, 2014
PL RFI# 057 SEPTEMBER 3, 2014

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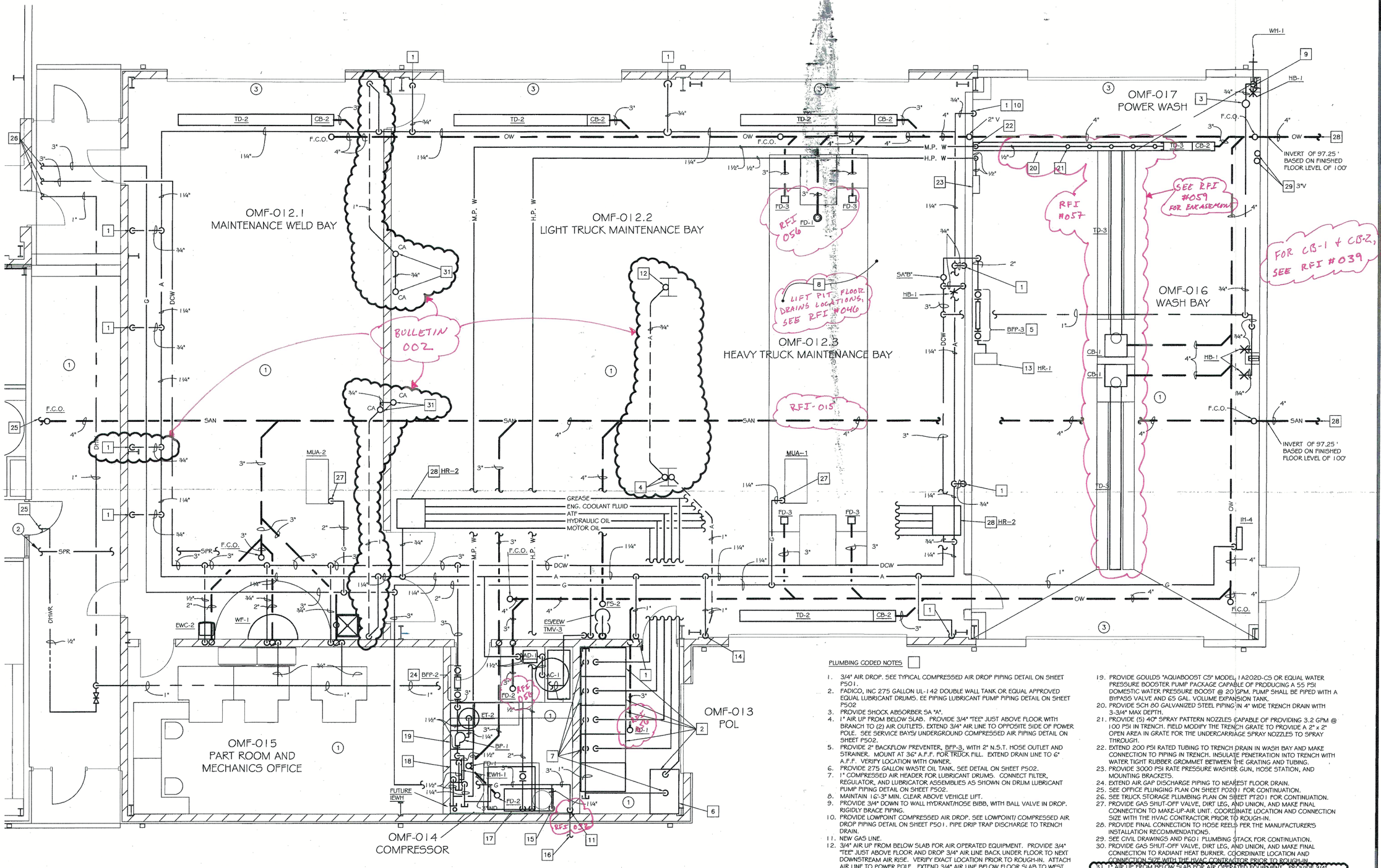
PV201

VEHICLE MAINTENANCE
PLUMBING PLAN



VEHICLE MAINTENANCE PLUMBING PLAN

0 4' NORTH

VEHICLE MAINTENANCE PLUMBING PLAN

PLUMBING CODED NOTES

1. 3/4" AIR DROP. SEE TYPICAL COMPRESSED AIR DROP PIPING DETAIL ON SHEET P501.
2. FADICO, INC 275 GALLON UL-142 DOUBLE WALL TANK OR EQUAL APPROVED EQUAL LUBRICANT DRUMS. EE PIPING LUBRICANT PUMP PIPING DETAIL ON SHEET P502
3. PROVIDE SHOCK ABSORBER SA "A".
4. 1" AIR UP FROM BELOW SLAB. PROVIDE 3/4" "TEE" JUST ABOVE FLOOR WITH BRANCH TO (2) AIR OUTLETS. EXTEND 3/4" AIR LINE TO OPPOSITE SIDE OF POWER POLE. SEE SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL ON SHEET P502.
5. PROVIDE 2" BACKFLOW PREVENTER, BFP-3, WITH 2" N.S.T. HOSE OUTLET AND STRAINER. MOUNT AT 36" A.F.F. FOR TRUCK FILL. EXTEND DRAIN LINE TO 6" A.F.F. VERIFY LOCATION WITH OWNER.
6. PROVIDE 275 GALLON WASTE OIL TANK. SEE DETAIL ON SHEET P502.
7. 1" COMPRESSED AIR HEADER FOR LUBRICANT DRUMS. CONNECT FILTER, REGULATOR, AND LUBRICATOR ASSEMBLIES AS SHOWN ON DRUM LUBRICANT PUMP PIPING DETAIL ON SHEET P502.
8. MAINTAIN 16'-3" MIN. CLEAR ABOVE VEHICLE LIFT.
9. PROVIDE 3/4" DOWN TO WALL HYDRANT/HOSE BIBB, WITH BALL VALVE IN DROP. RIGIDLY BRACE PIPING.
10. PROVIDE LOWPOINT COMPRESSED AIR DROP. SEE LOWPOINT/ COMPRESSED AIR DROP PIPING DETAIL ON SHEET P501. PIPE DRIP TRAP DISCHARGE TO TRENCH DRAIN.
11. NEW GAS LINE.
12. 3/4" AIR UP FROM BELOW SLAB FOR AIR OPERATED EQUIPMENT. PROVIDE 3/4" "TEE" JUST ABOVE FLOOR AND DROP 3/4" AIR LINE BACK UNDER FLOOR TO NEXT DOWNSTREAM AIR RISE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. ATTACH AIR LINE TO POWER POLE. EXTEND 3/4" AIR LINE BELOW FLOOR SLAB TO WEST POWER POLE. PROVIDE UNISTRUT AS REQUIRED. SEE SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL ON SHEET P502.
13. PROVIDE FINAL CONNECTION TO HOSE REEL FOR TRUCK FILL. VERIFY EXACT LOCATION WITH THE G.T.C.
14. PROVIDE 1" SOFT COPPER AIR LINE WITH BALL VALVE DOWN TO BELOW FLOOR SLAB.
15. PROVIDE 2" GAS DROP TO NEW PRESSURE WASHER. PROVIDE SHUT-OFF VALVE, DIRT LEG, AND UNION. MAKE FINAL CONNECTION TO PRESSURE WASHER. OWNER SHALL PROVIDE PRESSURE WASHER.
16. SEE SITE UTILITY PLAN ON SHEET E021 FOR CONTINUATION.
17. MAKE FINAL WATER SUPPLY, GAS, AND HIGH PRESSURE WATER CONNECTIONS TO PRESSURE WASHER PER MANUFACTURER'S INSTRUCTIONS.
18. PROVIDE TAKAGI MODEL T-M50 OR EQUAL INSTANTANEOUS GAS WATER HEATER CAPABLE OF PRODUCING 14 GPM OF HOT WATER @ 40 DEG. TEMP RISE. MAKE FINAL COLD WATER, HOT WATER, AND GAS SUPPLY CONNECTIONS AND PROVIDE A SECOND PARALLEL SET OF CONNECTIONS FOR A FUTURE INSTANTANEOUS GAS WATER HEATER.
19. PROVIDE GOULDS "AQUABOOST CS" MODEL 12202D-CS OR EQUAL WATER PRESSURE BOOSTER PUMP PACKAGE CAPABLE OF PRODUCING A 55 PSI DOMESTIC WATER PRESSURE BOOST @ 20 GPM. PUMP SHALL BE PIPED WITH A BYPASS VALVE AND 65 GAL. VOLUME EXPANSION TANK.
20. PROVIDE SCH 80 GALVANIZED STEEL PIPING IN 4" WIDE TRENCH DRAIN WITH 3-3/4" MAX DEPTH.
21. PROVIDE (5) 40° SPRAY PATTERN NOZZLES CAPABLE OF PROVIDING 3.2 GPM @ 100 PSI IN TRENCH. FIELD MODIFY THE TRENCH GRATE TO PROVIDE A 2" x 2" OPEN AREA IN GRATE FOR THE UNDERCARRIAGE SPRAY NOZZLES TO SPRAY THROUGH.
22. EXTEND 200 PSI RATED TUBING TO TRENCH DRAIN IN WASH BAY AND MAKE CONNECTION TO PIPING IN TRENCH. INSULATE PENETRATION INTO TRENCH WITH WATER TIGHT RUBBER GROMMET BETWEEN THE GRATING AND TUBING.
23. PROVIDE 3000 PSI RATE PRESSURE WASHER GUN, HOSE STATION, AND MOUNTING BRACKETS.
24. EXTEND AIR GAP DISCHARGE PIPING TO NEAREST FLOOR DRAIN.
25. SEE OFFICE PLUNGING PLAN ON SHEET P0201 FOR CONTINUATION.
26. SEE TRUCK STORAGE PLUMBING PLAN ON SHEET PT201 FOR CONTINUATION.
27. PROVIDE GAS SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO MAKE-UP-AIR UNIT. COORDINATE LOCATION AND CONNECTION SIZE WITH THE HVAC CONTRACTOR PRIOR TO ROUGH-IN.
28. PROVIDE FINAL CONNECTION TO HOSE REELS PER THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
29. SEE CIVIL DRAWINGS AND P601 PLUMBING STACK FOR CONTINUATION.
30. PROVIDE GAS SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO RADIANT HEAT BURNER. COORDINATE LOCATION AND CONNECTION SIZE WITH THE HVAC CONTRACTOR PRIOR TO ROUGH-IN.
31. 1" AIR UP FROM BELOW SLAB FOR AIR OPERATED EQUIPMENT. PROVIDE 3/4" OUTLET AT RISER LOCATION AND EXTEND 3/4" AIR LINE ABOVE SLAB TO SECOND OUTLET. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. ATTACH AIR LINE TO WALL. PROVIDE DRAIN, FILTER-REGULATOR, AND QUICK CONNECTS AS SHOWN ON SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL ON SHEET P502.

FIRE PROTECTION CODED NOTES

1. PROVIDE SPRINKLER COVERAGE IN VEHICLE MAINTENANCE AREA PER NFPA 13 REQUIREMENTS.
2. SEE OFFICE PLUMBING PLAN ON SHEET P0201 FOR CONTINUATION.
3. PROVIDE SPRINKER COVERAGE ABOVE AND BELOW GARAGE DOORS.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

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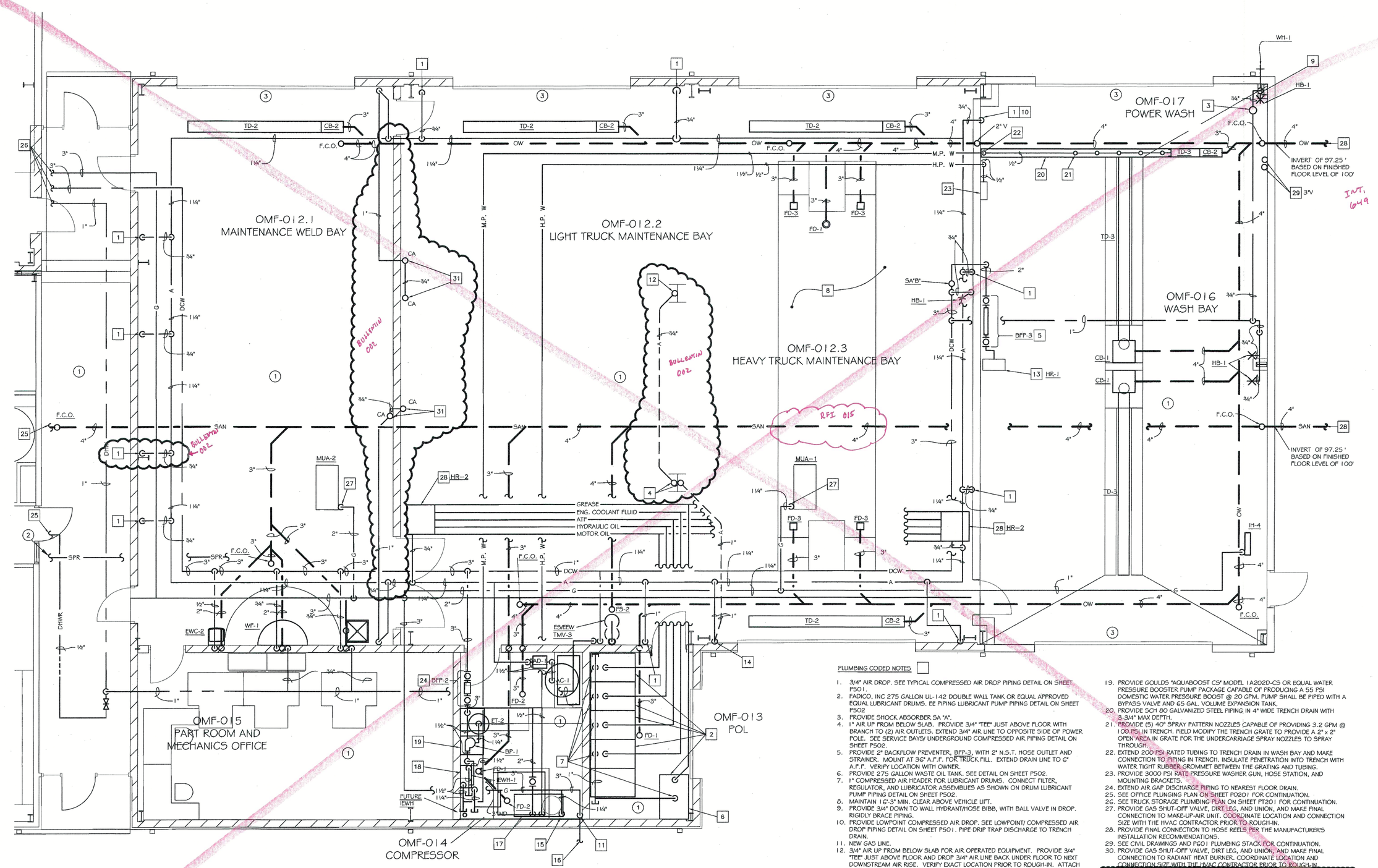

VEHICLE MAINTENANCE PLUMBING PLAN

VEHICLE MAINTENANCE PLUMBING PLAN

0 4'

NORTH

FIRE PROTECTION CODED NOTES

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6. PROVIDE 275 GALLON WASTE OIL TANK. SEE DETAIL ON SHEET P502.
7. 1" COMPRESSED AIR HEADER FOR LUBRICANT DRUMS. CONNECT FILTER, REGULATOR, AND LUBRICATOR ASSEMBLIES AS SHOWN ON DRUM LUBRICANT PUMP PIPING DETAIL ON SHEET P502.
8. MAINTAIN 16'-3" MIN. CLEAR ABOVE VEHICLE LIFT.
9. PROVIDE 3/4" DOWN TO WALL HYDRANT/HOSE BIBB, WITH BALL VALVE IN DROP. RIGIDLY BRACE PIPING.
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19. PROVIDE GOULDS "AQUABOOST CS" MODEL 1A202D-CS OR EQUAL WATER PRESSURE BOOSTER PUMP PACKAGE CAPABLE OF PRODUCING A 55 PSI DOMESTIC WATER PRESSURE BOOST @ 20 GPM. PUMP SHALL BE PIPED WITH A BYPASS VALVE AND 65 GAL. VOLUME EXPANSION TANK.
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THOMAS & MARKER CONSTRUCTION

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REGISTERED PROFESSIONAL ENGINEERS

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DOT-130006

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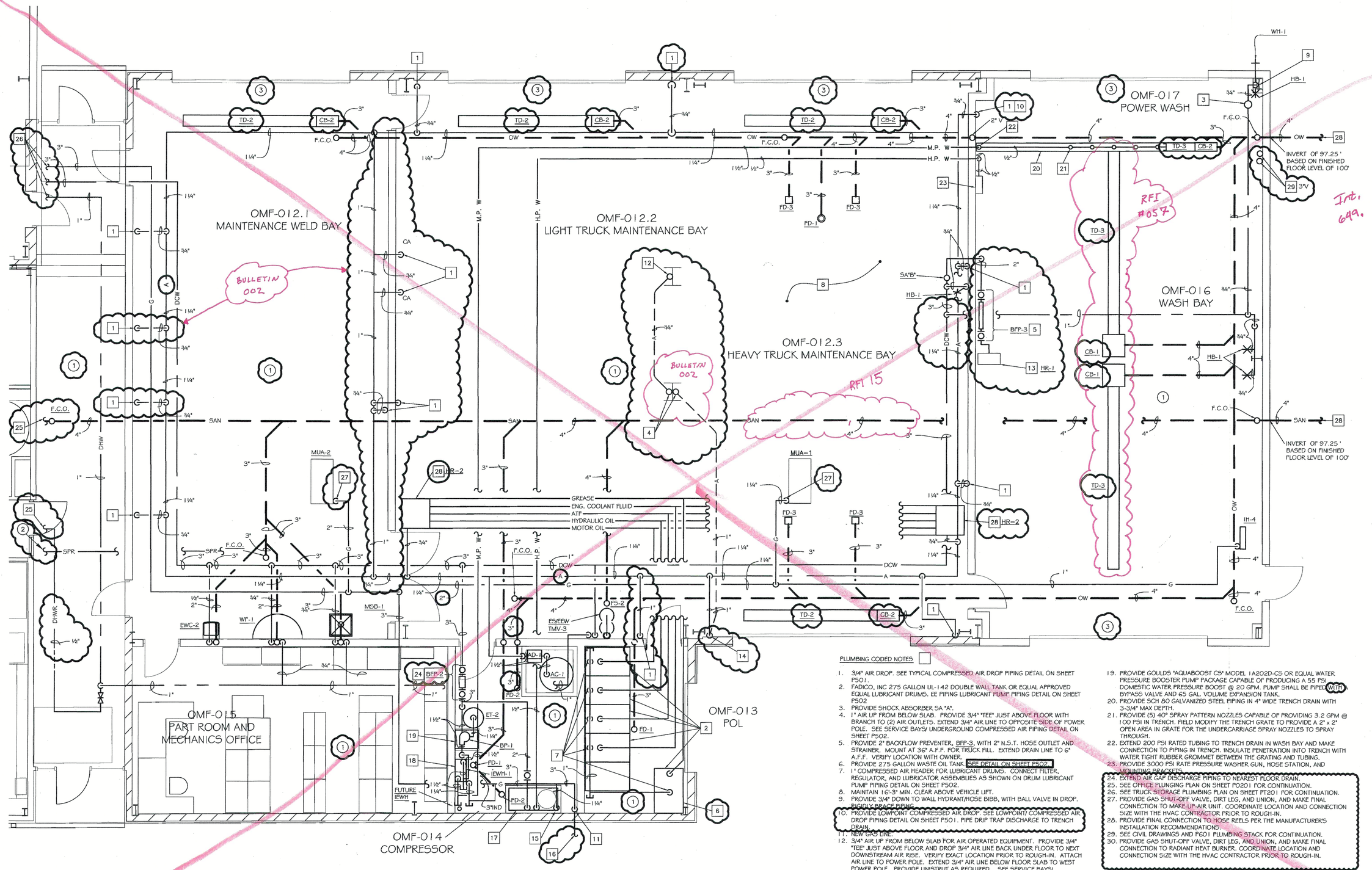

VEHICLE MAINTENANCE PLUMBING PLAN

0 4' NORTH

VEHICLE MAINTENANCE PLUMBING PLAN

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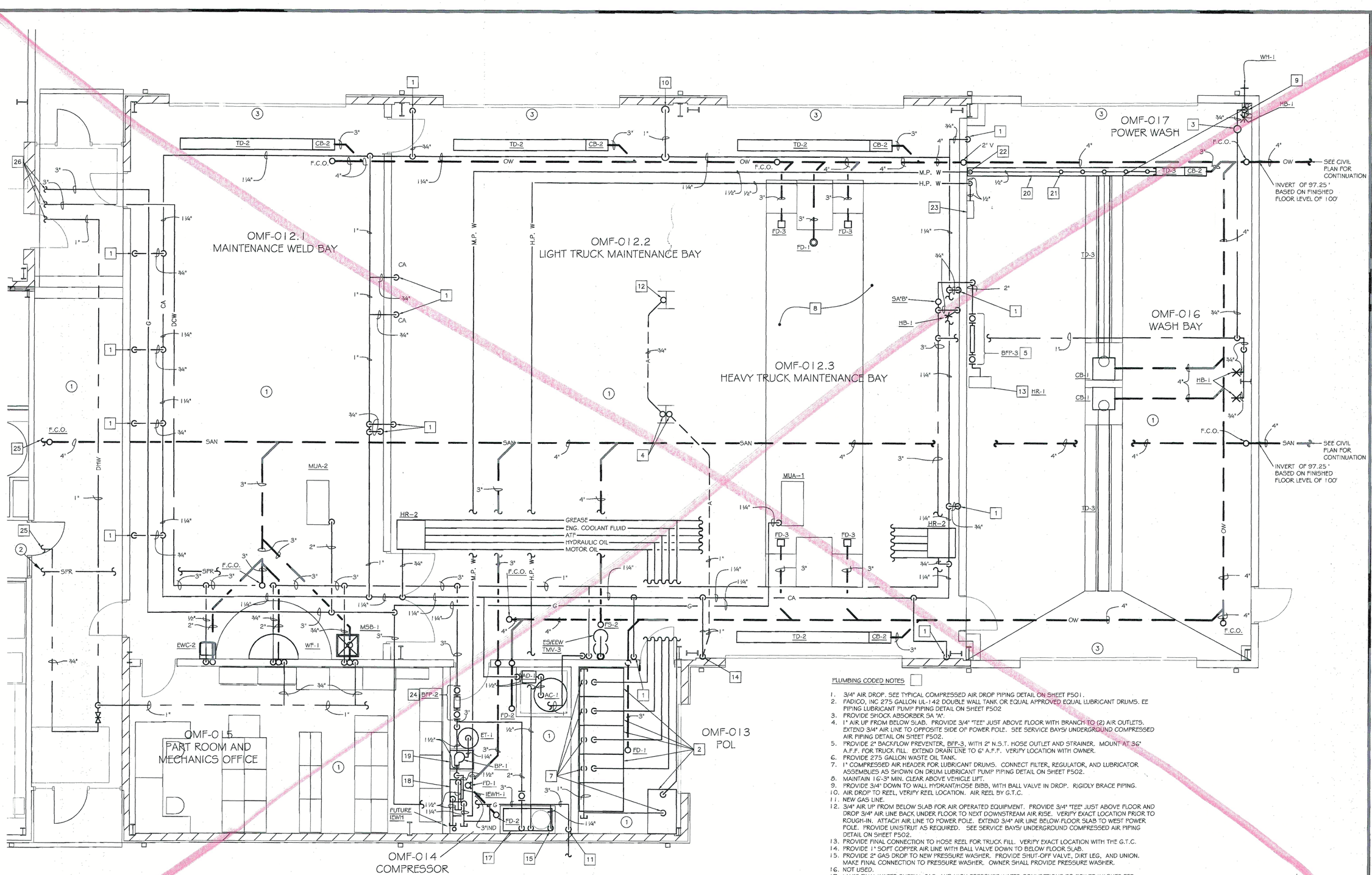

VEHICLE MAINTENANCE PLUMBING PLAN

0 4' NORTH

VEHICLE MAINTENANCE PLUMBING PLAN

FIRE PROTECTION CODED NOTES ◯

1. PROVIDE SPRINKLER COVERAGE IN VEHICLE MAINTENANCE AREA PER NFPA 13 REQUIREMENTS.
2. SEE OFFICE PLUMBING PLAN ON SHEET P0201 FOR CONTINUATION.
3. PROVIDE SPRINKER COVERAGE ABOVE AND BELOW GARAGE DOORS.

PLUMBING CODED NOTES ☐

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9. PROVIDE 3/4" DOWN TO WALL HYDRANT/HOSE BIBB, WITH BALL VALVE IN DROP. RIGIDLY BRACE PIPING.
10. AIR DROP TO REEL, VERIFY REEL LOCATION. AIR REEL BY G.T.C.
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16. NOT USED.
17. MAKE FINAL WATER SUPPLY, GAS, AND HIGH PRESSURE WATER CONNECTIONS TO POWER WASHER PER MANUFACTURER'S INSTRUCTIONS.
18. PROVIDE TAKAGI MODEL T-M50 OR EQUAL INSTANTANEOUS GAS WATER HEATER CAPABLE OF PRODUCING 14 GPM OF HOT WATER @ 40 DEG. TEMP RISE. MAKE FINAL COLD WATER, HOT WATER, AND GAS SUPPLY CONNECTIONS AND PROVIDE A SECOND PARALLEL SET OF CONNECTIONS FOR A FUTURE INSTANTANEOUS GAS WATER HEATER.
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Roger D. Fields & Associates • 4588 Kenny Road • Columbus, Ohio 43220-2777
Phone: (614) 451-2248 • Fax: (614) 451-6628
www.rdfa.com • Email: rogerfields@rdfa.com

ODOT Athens

BULLETIN

PLUMBING CONTRACT

CHANGES TO THE SPECIFICATIONS

ITEM 1. Sheet PV201, "Vehicle Maintenance Plumbing Plan", add gas lines to (3) infrared heaters and (3) unit heaters. Increase gas main sizing to meet the added capacity as indicated on the revised Sheet PU201 dated 10/30/2014.

ITEM 2. Sheet PT2.01, "Heated Track Storage Plumbing Plan", in lieu of installing air compressor AC-2 on a Contractor furnished heavy duty wall shelf, the Contractor shall install the air compressor on floor in southwest corner of the heated truck storage bay as indicated on the sketch SKP-4.

JUSTIFICATION
Changes issued to provide Contractor gas piping routing and sizes to infrared heaters not shown on plumbing bid documents and to adjust for air compressor clearance requirements.

ELECTRICAL CONTRACT

CHANGES TO THE DRAWINGS

ITEM 1. Sheet EV201, "Vehicle Maintenance Plumbing Plan", OMF-014 Compressor, provide a 30/2 fusible disconnect switch with fuse type per manufactures requirements. Provide a junction box at 208/1 outlet on south wall and extend circuit B-4/6 to new disconnect switch for booster pump. Field locate disconnect switch.

JUSTIFICATION
Changes issued to provide a disconnect switch for booster pump not shown on electrical bid documents.

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 064

REQUEST FOR INFORMATION

TO:	RDFA	**DATE:**	24-Sep-14
ATTN:	Greg Topp	**PAGE:**	1 of 1
EMAIL:	gtopp@rdfa.com	**DWG:**	
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Truck Storage Air / Water Reels Mounting Height		

Please see attached RFI from our Plumbing subcontractor.

In the signed coordination drawings, our original intent was to have these four (4) floor mounted. After speaking with RDFA, these would be preferred to be mounted on the column with a height to be determined.

Please advise proper column and height.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 26-Sep-14

DISTRIBUTION: File, Markus Lott, Tom Converse

REPLY (RETURN THIS SHEET WITH REPLY):

Mount the air reels at 10' to the bottom of the unit and set the hose bumper so that the house outlet hangs at 6'-6".

Mount the water reels at 3' to the center of the unit.

DATE OF REPLY: 9-26-14 **SIGNED:** Markus Lott

FINAL DISTRIBUTION: File, Field

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 030

REQUEST FOR INFORMATION

TO:	RDFA	**DATE:**	5-Aug-14
ATTN:	Markus Lott	**PAGE:**	1 of 1
EMAIL:	mlott@rdfa.com	**DWG:**	N/A
FR:	Joe Hannahs	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	6in Water Main Stub in TS Building		

The 6" water main coming into the Truck Storage building does not show or call out any dimension off the wall nor any exact location.

Can you please provide a dimension off the wall to the centerline of the 6" incoming pipe and also provided a dimension off of the nearest column to centerline of the 6" incoming pipe.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 8-Aug-14

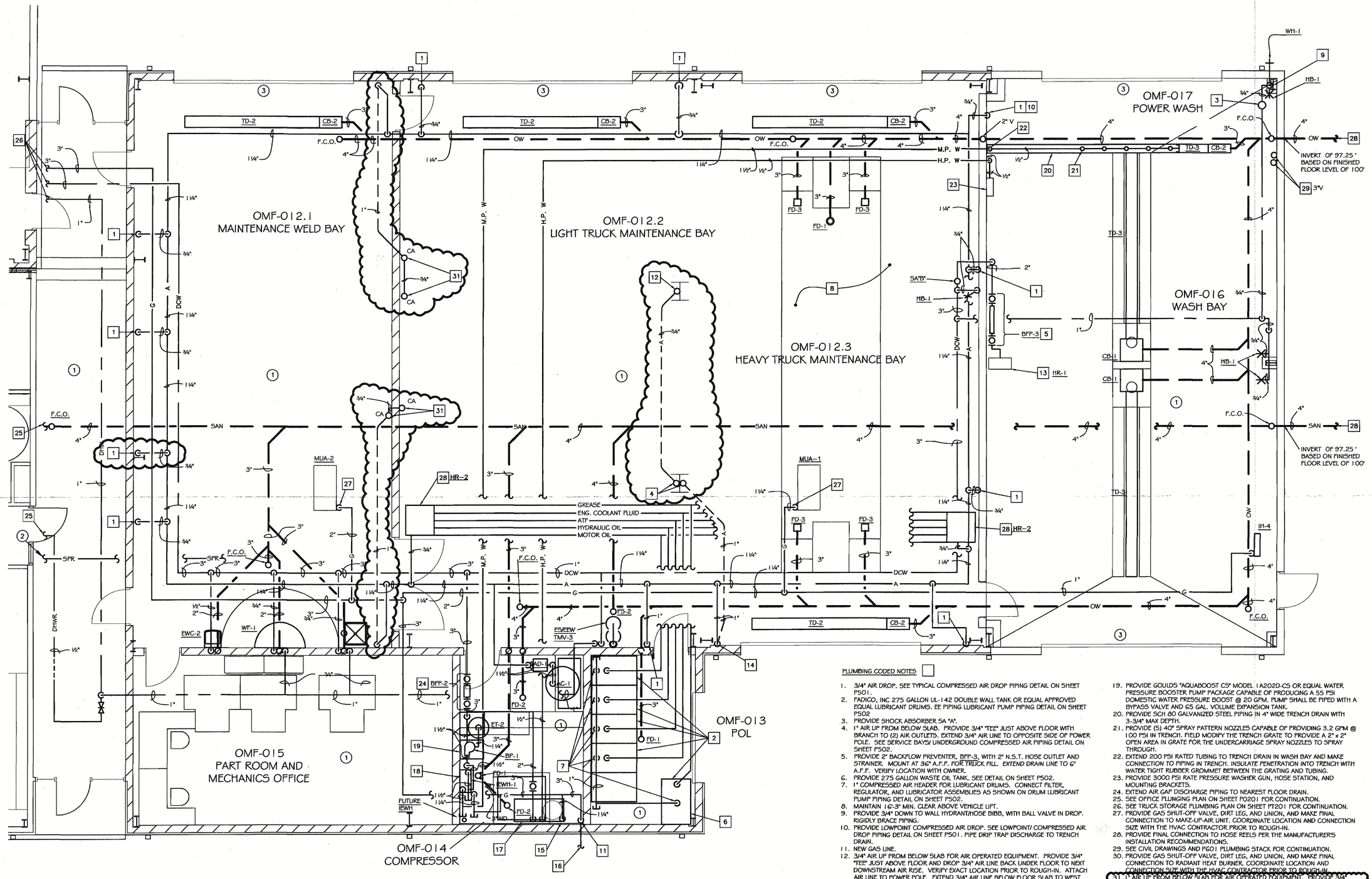
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

THE 6" INCOMING WATER SERVICE SHALL BE 1'-6" FROM THE CENTERLINE OF THE PIPE TO THE INTERIOR FACE OF THE EAST EXTERIOR WALL. THE CENTERLINE OF THE WATER SERVICE SHALL ALSO BE 9'-11" NORTH OF #2 COLUMN LINE. MARKUS LOTT (RDFA) 8/20/14

DATE OF REPLY: **SIGNED:**

FINAL DISTRIBUTION: File, Field



VEHICLE MAINTENANCE PLUMBING PLAN

0 4'

NORTH

VEHICLE MAINTENANCE PLUMBING PLAN

FIRE PROTECTION CODED NOTES

1. PROVIDE SPRINKLER COVERAGE IN VEHICLE MAINTENANCE AREA PER NFPA 13 REQUIREMENTS.
2. SEE OFFICE PLUMBING PLAN ON SHEET P0201 FOR CONTINUATION.
3. PROVIDE SPRINKER COVERAGE ABOVE AND BELOW GARAGE DOORS.

PLUMBING CODED NOTES

1. 3/4" AIR DROP. SEE TYPICAL COMPRESSED AIR DROP PIPING DETAIL ON SHEET P501.
2. FADICO, INC 275 GALLON UL-142 DOUBLE WALL TANK OR EQUAL APPROVED EQUAL LUBRICANT DRUMS. EE PIPING LUBRICANT PUMP PIPING DETAIL ON SHEET P502
3. PROVIDE SHOCK ABSORBER 5A "A".
4. 1" AIR UP FROM BELOW SLAB. PROVIDE 3/4" "TEE" JUST ABOVE FLOOR WITH BRANCH TO (2) AIR OUTLETS. EXTEND 3/4" AIR LINE TO OPPOSITE SIDE OF POWER POLE. SEE SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL ON SHEET P502.
5. PROVIDE 2" BACKFLOW PREVENTER, BFP-3, WITH 2" N.S.T. HOSE OUTLET AND STRAINER. MOUNT AT 36" A.F.F. FOR TRUCK FILL. EXTEND DRAIN LINE TO 6" A.F.F. VERIFY LOCATION WITH OWNER.
6. PROVIDE 275 GALLON WASTE OIL TANK. SEE DETAIL ON SHEET P502.
7. 1" COMPRESSED AIR HEADER FOR LUBRICANT DRUMS. CONNECT FILTER, REGULATOR, AND LUBRICATOR ASSEMBLIES AS SHOWN ON DRUM LUBRICANT PUMP PIPING DETAIL ON SHEET P502.
8. MAINTAIN 16'-3" MIN. CLEAR ABOVE VEHICLE LIFT.
9. PROVIDE 3/4" DOWN TO WALL HYDRANT/HOSE BIBB, WITH BALL VALVE IN DROP. RIGIDLY BRACE PIPING.
10. PROVIDE LOWPOINT COMPRESSED AIR DROP. SEE LOWPOINT/ COMPRESSED AIR DROP PIPING DETAIL ON SHEET P501. PIPE DRIP TRAP DISCHARGE TO TRENCH DRAIN.
11. NEW GAS LINE.
12. 3/4" AIR UP FROM BELOW SLAB FOR AIR OPERATED EQUIPMENT. PROVIDE 3/4" "TEE" JUST ABOVE FLOOR AND DROP 3/4" AIR LINE BACK UNDER FLOOR TO NEXT DOWNSTREAM AIR RISE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. ATTACH AIR LINE TO POWER POLE. EXTEND 3/4" AIR LINE BELOW FLOOR SLAB TO WEST POWER POLE. PROVIDE UNISTRUT AS REQUIRED. SEE SERVICE BAYS/ UNDERGROUND COMPRESSED AIR PIPING DETAIL ON SHEET P502.
13. PROVIDE FINAL CONNECTION TO HOSE REEL FOR TRUCK FILL. VERIFY EXACT LOCATION WITH THE G.T.C.
14. PROVIDE 1" SOFT COPPER AIR LINE WITH BALL VALVE DOWN TO BELOW FLOOR SLAB.
15. PROVIDE 2" GAS DROP TO NEW PRESSURE WASHER. PROVIDE SHUT-OFF VALVE, DIRT LEG, AND UNION. MAKE FINAL CONNECTION TO PRESSURE WASHER. OWNER SHALL PROVIDE PRESSURE WASHER.
16. SEE SITE UTILITY PLAN ON SHEET E021 FOR CONTINUATION.
17. MAKE FINAL WATER SUPPLY, GAS, AND HIGH PRESSURE WATER CONNECTIONS TO PRESSURE WASHER PER MANUFACTURER'S INSTRUCTIONS.
18. PROVIDE TAKAGI MODEL T-M50 OR EQUAL INSTANTANEOUS GAS WATER HEATER CAPABLE OF PRODUCING 14 GPM OF HOT WATER @ 40 DEG. TEMP RISE. MAKE FINAL COLD WATER, HOT WATER, AND GAS SUPPLY CONNECTIONS AND PROVIDE A SECOND PARALLEL SET OF CONNECTIONS FOR A FUTURE INSTANTANEOUS GAS WATER HEATER.
19. PROVIDE GOULDS "AQUABOOST CS" MODEL 1A202D-CS OR EQUAL WATER PRESSURE BOOSTER PUMP PACKAGE CAPABLE OF PRODUCING A 55 PSI DOMESTIC WATER PRESSURE BOOST @ 20 GPM. PUMP SHALL BE PIPED WITH A BYPASS VALVE AND 65 GAL. VOLUME EXPANSION TANK.
20. PROVIDE SCH 80 GALVANIZED STEEL PIPING IN 4" WIDE TRENCH DRAIN WITH 3-3/4" MAX DEPTH.
21. PROVIDE (5) 40° SPRAY PATTERN NOZZLES CAPABLE OF PROVIDING 3.2 GPM @ 100 PSI IN TRENCH. FIELD MODIFY THE TRENCH GRATE TO PROVIDE A 2" x 2" OPEN AREA IN GRATE FOR THE UNDERCARRIAGE SPRAY NOZZLES TO SPRAY THROUGH.
22. EXTEND 200 PSI RATED TUBING TO TRENCH DRAIN IN WASH BAY AND MAKE CONNECTION TO PIPING IN TRENCH. INSULATE PENETRATION INTO TRENCH WITH WATER TIGHT RUBBER GROMMET BETWEEN THE GRATING AND TUBING.
23. PROVIDE 3000 PSI RATE PRESSURE WASHER GUN, HOSE STATION, AND MOUNTING BRACKETS.
24. EXTEND AIR GAP DISCHARGE PIPING TO NEAREST FLOOR DRAIN.
25. SEE OFFICE PLUNGING PLAN ON SHEET P0201 FOR CONTINUATION.
26. SEE TRUCK STORAGE PLUMBING PLAN ON SHEET PT201 FOR CONTINUATION.
27. PROVIDE GAS SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO MAKE-UP-AIR UNIT. COORDINATE LOCATION AND CONNECTION SIZE WITH THE HVAC CONTRACTOR PRIOR TO ROUGH-IN.
28. PROVIDE FINAL CONNECTION TO HOSE REELS PER THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
29. SEE CIVIL DRAWINGS AND PG01 PLUMBING STACK FOR CONTINUATION.
30. PROVIDE GAS SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO RADIANT HEAT BURNER. COORDINATE LOCATION AND CONNECTION SIZE WITH THE HVAC CONTRACTOR PRIOR TO ROUGH-IN.
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THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP
51988
M. L. YOUNG
43335
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PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014

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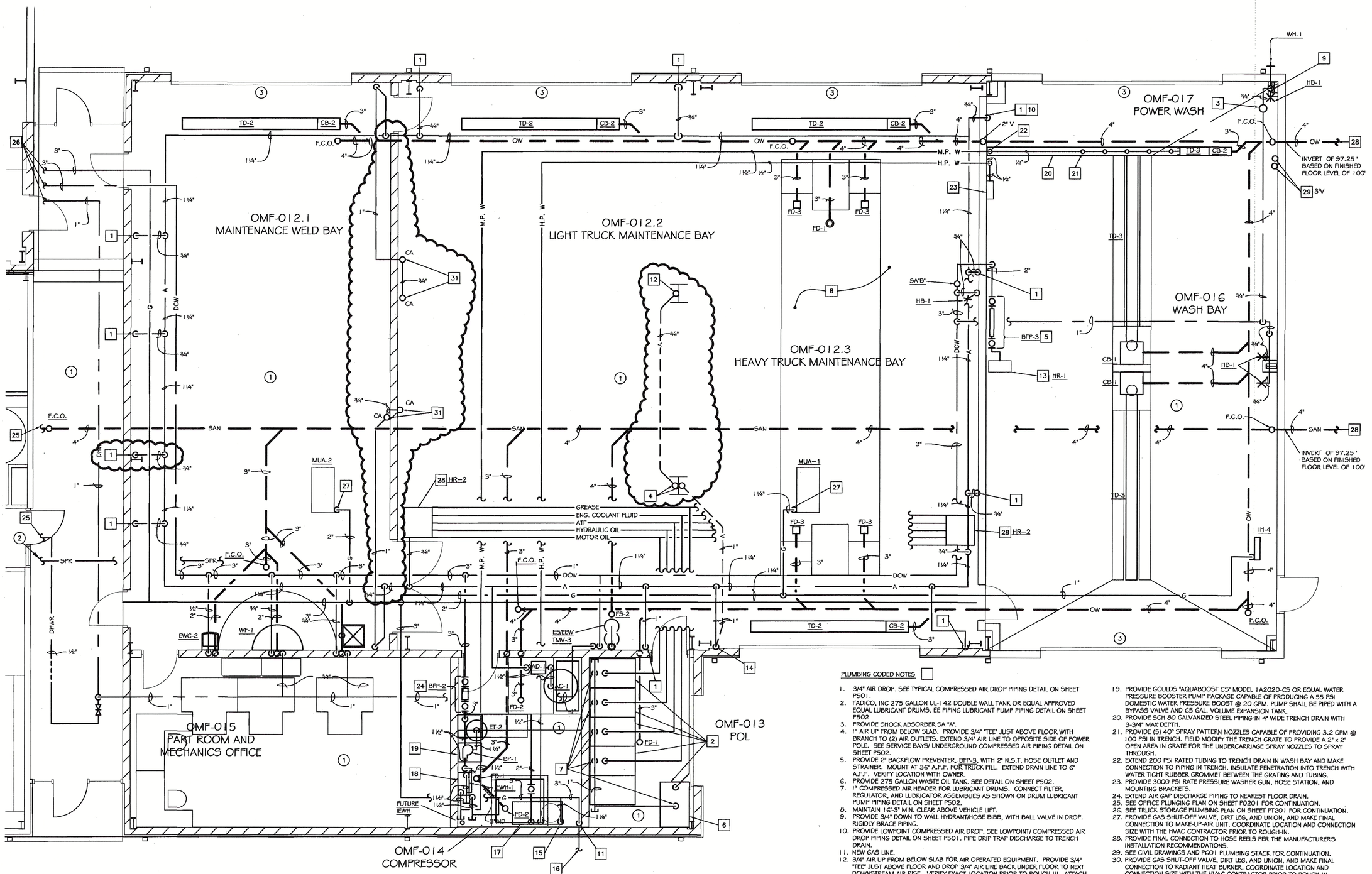
PV201

VEHICLE MAINTENANCE PLUMBING PLAN



VEHICLE MAINTENANCE PLUMBING PLAN

VEHICLE MAINTENANCE PLUMBING PLAN

0 4'

NORTH

FIRE PROTECTION CODED NOTES ◯

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TM THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014

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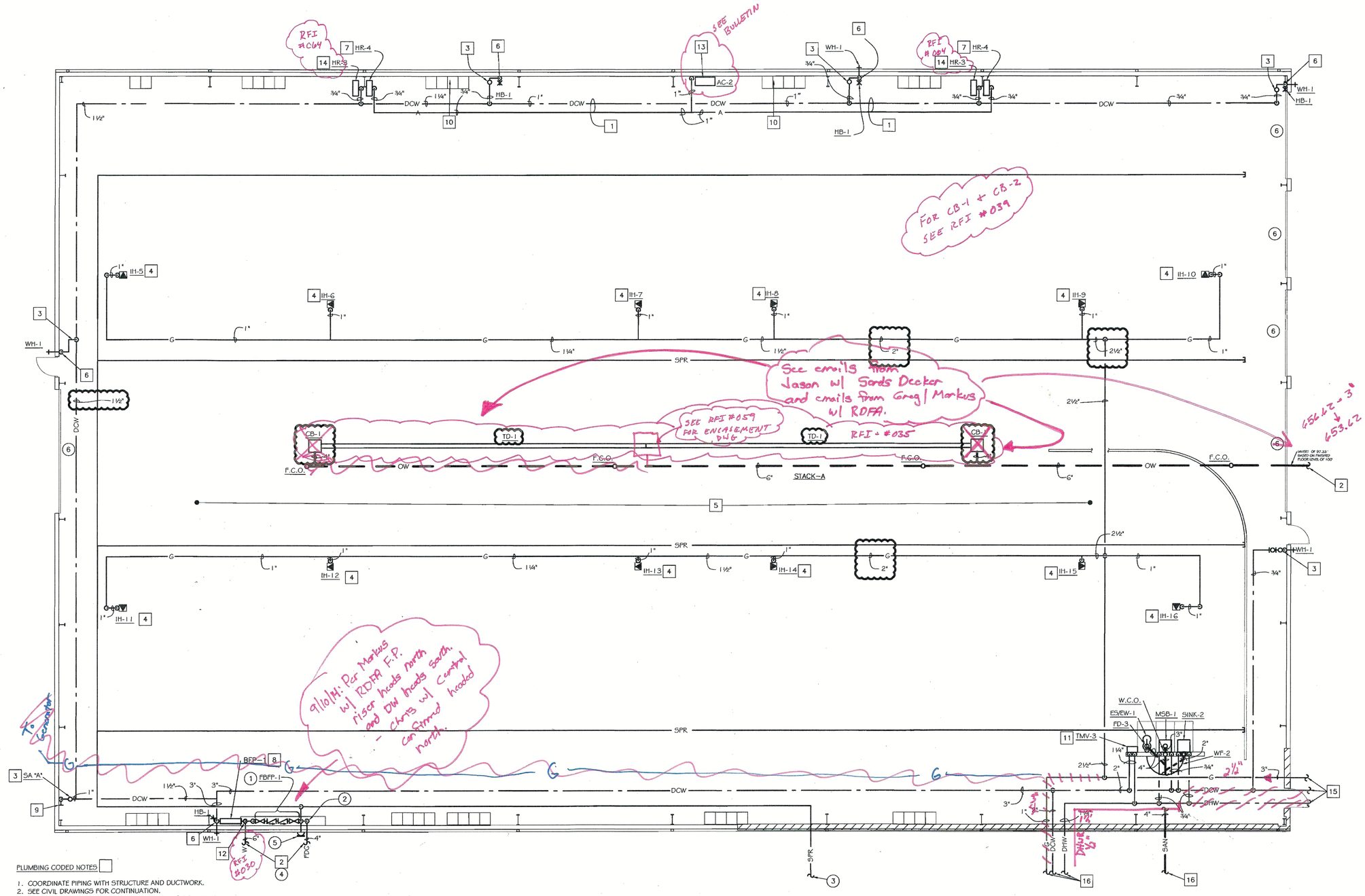
PV201

VEHICLE MAINTENANCE PLUMBING PLAN



PLUMBING CODED NOTES

1. COORDINATE PIPING WITH STRUCTURE AND DUCTWORK.
2. SEE CIVIL DRAWINGS FOR CONTINUATION.
3. PROVIDE SHOCK ABSORBER, SIZE AS SHOWN ON DRAWING.
4. PROVIDE GAS SHUT-OFF VALVE, DIRT LEG, AND UNION, AND MAKE FINAL CONNECTION TO RADIANT HEAT BURNER. COORDINATE LOCATION AND CONNECTION SIZE WITH THE HVAC CONTRACTOR PRIOR TO ROUGH-IN.
5. PIPES CROSSING GARAGE ARE TO FOLLOW ROOF SLOPE. PROVIDE SWING JOINTS AS REQUIRED.
6. PROVIDE 3/4" DOWN TO WALL HYDRANT/HOSE BIBB, WITH BALL VALVE IN DROP. RIGIDLY BRACE PIPING.
7. PROVIDE AIR HOSE REEL WITH 100' OF 3/8" HOSE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
8. REFER TO THE FIRE PROTECTION AND DOMESTIC WATER SERVICE RISER DIAGRAM ON SHEET P501 FOR PIPING.
9. PROVIDE QUICK CONNECTOR HORIZONTALLY.
10. PLUMBING CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS THE LOCATION OF ALL ITEMS/EQUIPMENT ON THIS WALL, GROUPING WHERE POSSIBLE TO ALLOW AS MUCH "FREE SPACE" AS POSSIBLE FOR THE OWNER'S USE.
11. MAKE 1/4" DOMESTIC HOT AND COLD WATER CONNECTIONS TO SURFACE MOUNTED MIXING VALVE AND EXTEND TEPID WATER SUPPLY TO COMBINATION EMERGENCY EYE/FACE WASH AND EMERGENCY SHOWER.
12. SITE WATER SERVICE UP TO 18" A.F.F. SEE FIRE PROTECTION/ DOMESTIC WATER SERVICE RISER DIAGRAM ON SHEET P501.
13. PROVIDE AIR COMPRESSOR MOUNTED ON HEAVY DUTY WALL SHELF.
14. PROVIDE WATER HOSE REEL WITH 100' OF 3/4" HOSE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
15. SEE VEHICLE MAINTENANCE PLUMBING PLAN ON SHEET PV201 FOR CONTINUATION.
16. SEE OFFICE PLUMBING PLAN ON SHEET P0201 FOR CONTINUATION.

TRUCK STORAGE PLUMBING PLAN

0 8' NORTH

TRUCK STORAGE PLUMBING PLAN

FIRE PROTECTION CODED NOTES

1. FIRE PROTECTION BACKFLOW PREVENTER. REFER TO THE FIRE PROTECTION AND DOMESTIC WATER SERVICE RISER DIAGRAM ON SHEET P501 FOR PIPING.
2. SPRINKLER RISER. REFER TO THE FIRE PROTECTION AND DOMESTIC WATER SERVICE RISER DIAGRAM ON SHEET P201 FOR PIPING.
3. SEE OFFICE PLUMBING PLAN ON SHEET P0501 FOR CONTINUATION.
4. SEE CIVIL DRAWINGS FOR CONTINUATION.
5. PROVIDE WALL FIV ON RISER.
6. PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW GARAGE DOORS.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
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DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

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PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014

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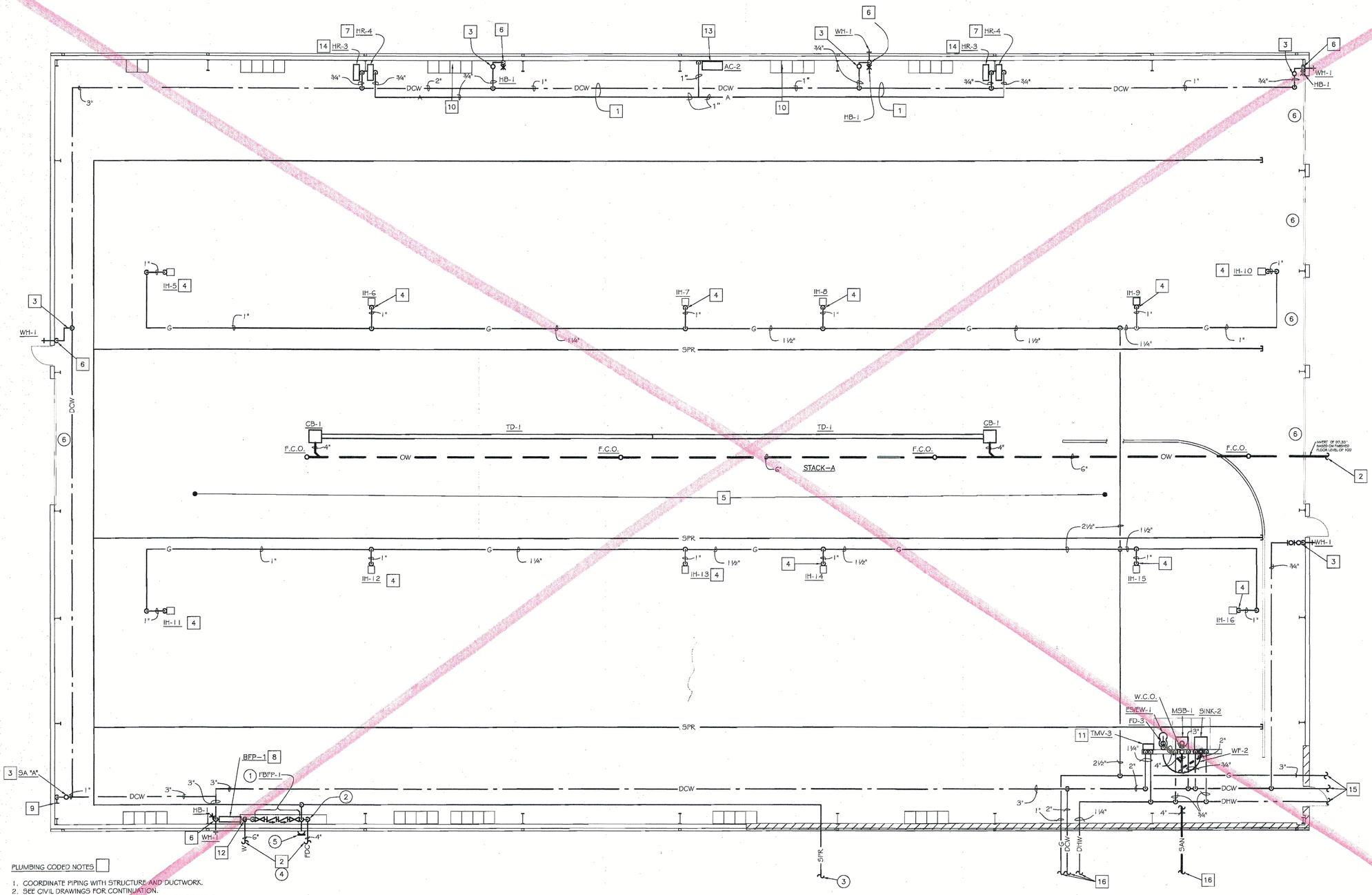
PT201

TRUCK STORAGE PLUMBING PLAN



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5. PIPES CROSSING GARAGE ARE TO FOLLOW ROOF SLOPE. PROVIDE SWING JOINTS AS REQUIRED.
6. PROVIDE 3/4" DOWN TO WALL HYDRANT/HOSE BIBB, WITH BALL VALVE IN DROP. RIGIDLY BRACE PIPING.
7. PROVIDE AIR HOSE REEL WITH 100' OF 3/8" HOSE. INSTALL PER MANUFACTURERS INSTRUCTIONS.
8. REFER TO THE FIRE PROTECTION AND DOMESTIC WATER SERVICE RISER DIAGRAM ON SHEET P2 FOR PIPING.
9. PROVIDE QUICK CONNECTOR HORIZONTALLY.
10. PLUMBING CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS THE LOCATION OF ALL ITEMS/EQUIPMENT ON THIS WALL, GROUPING WHERE POSSIBLE TO ALLOW AS MUCH "FREE SPACE" AS POSSIBLE FOR THE OWNER'S USE.
11. MAKE 1¼" DOMESTIC HOT AND COLD WATER CONNECTIONS TO SUFACE MOUNTER MIXING VALVE AND EXTEND TEPID WATER SUPPLY TO COMBINATION EMERGENCY EYE/FACE WASH AND EMERGENCY SHOWER.
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15. SEE VEHICLE MAINTENANCE PLUMBING PLAN ON SHEET PV201 FOR CONTINUATION.
16. SEE OFFICE PLUMBING PLAN ON SHEET P0201 FOR CONTINUATION.

TRUCK STORAGE PLUMBING PLAN

TRUCK STORAGE PLUMBING PLAN

0 8' NORTH

FIRE PROTECTION CODED NOTES

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3. SEE OFFICE PLUMBING PLAN ON SHEET P0201 FOR CONTINUATION.
4. SEE CIVIL DRAWINGS FOR CONTINUATION.
5. PROVIDE WALL PIV ON RISER.
6. PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW GARAGE DOORS.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG A3335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

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PT201

TRUCK STORAGE PLUMBING PLAN

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.834.1605 fax
www.thomas-marker.com

RFI # 079

REQUEST FOR INFORMATION

TO: RDI & RDFA
ATTN: Tom Converse
EMAIL: tconverse@rdicolumbus.com
FR: German Gonzalez
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Return Duct Dampers

DATE: 30-Dec-14
PAGE: 1 of 19
DWG: N/A
SPEC: N/A

Please see attached RFI from our plumbing subcontractor:

I was just informed that Quality 1 Mechanical's air balancer is having a hard time getting to within 10% of design air due to no dampers being shown or called out on the contract documents on the return side.

Please advise if dampers need to be installed on the return side. Please reference to the attached preliminary air balance report.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 31-Dec-14

DISTRIBUTION: File, Greg Topp, Markus Lott, Steve McClarren

REPLY (RETURN THIS SHEET WITH REPLY):

Return air dampers are not required. Gas Furnaces air flows seem to be acceptable as they are.

Most of the exhaust fans seem to be in need of further adjustment.

DATE OF REPLY: 12/31/2014 **SIGNED:** Gregory C. Topp

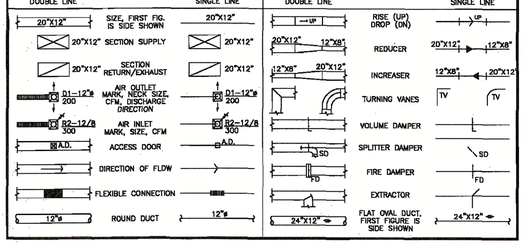
FINAL DISTRIBUTION: File, Field

INFRARED HEATER SCHEDULE
BASED ON CO-RAY-VAC

TAG	LOCATION	MODEL NUMBER	M.B.H. INPUT	STAGES	REMARKS
IH-1	MAINT., GARAGE	CTH2-125	125	1	
IH-2	MAINT., GARAGE	CTH2-125	125	1	
IH-3	MAINT., GARAGE	CTH2-125	125	1	
IH-4	WASH BAY	HE-125	125	1	*
IH-5	TRUCK STORAGE	CRV-B10	100	1	
IH-6	TRUCK STORAGE	CRV-B10	100	1	
IH-7	TRUCK STORAGE	CRV-B10	100	1	
IH-8	TRUCK STORAGE	CRV-B10	100	1	
IH-9	TRUCK STORAGE	CRV-B10	100	1	
IH-10	TRUCK STORAGE	CRV-B10	100	1	
IH-11	TRUCK STORAGE	CRV-B10	100	1	
IH-12	TRUCK STORAGE	CRV-B10	100	1	
IH-13	TRUCK STORAGE	CRV-B10	100	1	
IH-14	TRUCK STORAGE	CRV-B10	100	1	
IH-15	TRUCK STORAGE	CRV-B10	100	1	
IH-16	TRUCK STORAGE	CRV-B10	100	1	

LENGTHS OF RADIANT HEAT TO BE AS SHOWN ON THE PLANS.
* PROVIDE WATER RESISTANT BURNER IN WASH BAY.

DUCTWORK
(ALL SYMBOLS NOT NECESSARILY USED)



GAS FIRED MAKE-UP AIR UNIT SCHEDULE
BASED ON REZNOR

TAG	LOCATION	MODEL NUMBER	TYPE	ARRANGEMENT	M.B.H. INPUT	M.B.H. OUTPUT	C.F.M.	TOTAL S.P. "W.G.	AIR TEMP. E.A.T.	AIR TEMP. L.A.T.	B.H.P.	MOTOR H.P.	FAN R.P.M.	VOLTS/ PHASE	WEIGHT (LBS.)	DIMENSIONS (L x W x H)	REMARKS
MUA-1	GARAGE	RDF-1-50	DIRECT FIRED	HORIZONTAL	325	325	4000	0.5"	0°F	75°F	1.91	3.0	810	208/3	935	70-3/8" x 58" x 43-1/4"	
MUA-2	GARAGE	RDF-1-50	DIRECT FIRED	HORIZONTAL	325	325	4,000	0.5"	0°F	75°F	1.91	3.0	810	208/3	935	70-3/8" x 58" x 43-1/4"	

FAN SCHEDULE
BASED ON GREENHECK
KEY: CENT.-CENTRIFUGAL; PROP.-PROPELLER; F.C.-FORWARD CURVED; B.I.-BACKWARD INCLINED; A.F.-AIR FOIL

TAG	LOCATION SERVED	FUNCTION	MODEL NUMBER	FAN TYPE	WHEEL TYPE	C.F.M.	TOTAL S.P. "W.G.	R.P.M.	TIP SPEED F.P.M.	SOUND LEVEL SONES	B.H.P.	MOTOR H.P.	VOLTS/ PHASE	DAMPER	DRIVE	MEANS OF CONTROL	REMARKS	WEIGHT
EF-1	R.R.	EXHAUST	CSP-A1050	CENT.	F.C.	900	.375"	1095	--	--	.42	1/2	115/1	--	DIR.	WITH LIGHTS		59 LBS.
EF-2	ELEC. RM.	EXHAUST	CSP-A510	CENT.	F.C.	425	.375"	1070	--	--	.32	1/2	115/1	--	DIR.	R.A. THERMOSTAT		36 LBS.
EF-3,4	MAINT. BAY	HOSE REEL EXHAUST	MONOXIVENT D15	CENT.	F.C.	850	3.0"	--	--	--	--	1.5	208/3	--	BELT	WALL SWITCH		275 LBS.
EF-5	WASH BAY	EXHAUST	CWB-101	CENT.	B.I.	1100	0.25"	1440	--	--	.18	1/4	115/1	--	BELT	WALL SWITCH	12.5" x12.5" OPENING	66 LBS.
EF-6	WASHROOM	EXHAUST	CSP-A250	CENT.	F.C.	225	0.25"	1000	--	--	.11	1/4	115/1	MOD.	DIR.	R.A. THERMOSTAT	HORIZ., CEILING HUNG	23 LBS.
EF-7	MAINT. BAY	AREA EXHAUST	BCF-110	CENT.	B.I.	2100	0.75"	1205	--	12.5	0.82	1	208/3	MOD.	BELT	CO SENSOR W/HOA	HORIZ., CEILING HUNG	83 LBS.
EF-8	MAINT. BAY	AREA EXHAUST	BCF-108	CENT.	B.I.	1700	0.75"	1377	--	11.2	0.74	1	208/3	MOD.	BELT	CO SENSOR W/HOA	HORIZ., CEILING HUNG	61 LBS.
EF-9	AIR COMPRESSOR	VENTILATION	CSP-A1050	CENT.	F.C.	800	.375"	1095	--	--	.42	1/2	115/1	--	DIR.	WALL SWITCH		59 LBS.
EF-10	OIL STORAGE	VENTILATION	CSP-A250	CENT.	F.C.	200	.375"	1000	--	--	.11	1/4	115/1	MOD.	DIR.	WALL SWITCH		23 LBS.
EF-11	TRUCK STORAGE	AREA EXHAUST	SBCE-3H48	CENT.	B.I.	12,000	0.25"	554	--	--	.91	1-1/2	208/3	MOD.	BELT	C02 SENSOR W/HOA	56"x56" HOOD	246 LBS.
EF-12	TRUCK STORAGE	AREA EXHAUST	SBCE-3H48	CENT.	B.I.	12,000	0.25"	554	--	--	.91	1-1/2	208/3	MOD.	BELT	C02 SENSOR W/HOA	56"x56" HOOD	246 LBS.
EF-13	MAINT. BAY	WELD HOOD EXHAUST	SWB-212	CENT.	B.I.	2708	0.75"	2708	--	21.0	1.47	2	208/3	--	BELT	PUSH BUTTON STARTER		83 LBS.
EF-14	BREAK ROOM	EXHAUST	CSP-A250	CENT.	F.C.	225	.25"	1000	--	--	.11	1/4	115/1	--	DIR.	WALL SWITCH		23 LBS.

GAS FIRED FURNACE SCHEDULE
BASED ON LENNOX

TAG	LOCATION	UNIT MODEL NUMBER	UNIT TYPE	UNIT QTY	FAN DATA C.F.M.	FAN DATA MIN. O.A. C.F.M.	FAN DATA EXT. S.P. IN. W.G.	FAN DATA WHEEL TYPE	MOTOR DATA B.H.P.	MOTOR DATA H.P.	MOTOR DATA VOLTS/ PHASE	COOLING COIL DATA C.F.M.	COOLING COIL DATA M.B.H. SENS.	COOLING COIL DATA M.B.H. TOTAL	COOLING COIL DATA ENT. AIR D.B.	COOLING COIL DATA ENT. AIR W.B.	COOLING COIL DATA LV'G AIR D.B.	COOLING COIL DATA LV'G AIR W.B.	HEATING DATA C.F.M.	HEATING DATA M.B.H. INPUT	HEATING DATA M.B.H. OUTPUT	HEATING DATA AIR TEMP. E.A.T.	HEATING DATA AIR TEMP. L.A.T.	REMARKS
GF-1	MECH	ML195UH090XP36C	HIGH EFF	1	1200	115	0.5	CENT.	--	1/3	120/1	1200	29.0	35.1	80.0°F	67.0°F	57.3°F	57.3°F	1200	88.0	85.0	60.0°F	122.8°F	
GF-2	MECH	ML195UH090XP48C	HIGH EFF	1	1200	155	0.5	CENT.	--	1/3	120/1	1200	30.9	41.1	80.0°F	67.0°F	55.2°F	55.2°F	1200	88.0	85.0	60.0°F	124.3°F	
GF-3	MECH	ML195UH090XP48C	HIGH EFF	1	1350	155	0.5	CENT.	--	1/3	120/1	1350	30.9	41.1	80.0°F	67.0°F	55.2°F	55.2°F	1350	88.0	85.0	60.0°F	124.3°F	

LOUVER SCHEDULE
BASED ON AIROLITE

TAG	LOCATION	MODEL NUMBER	FUNCTION	FACE SIZE	TOTAL FREE AREA SQ. FT.	LOUVER	REMARKS
L-1	WALL	K6776	EXHAUST	36"Wx24"H	2.83	ALUMINUM	
L-2	WALL	K6776	INTAKE	36"Wx12"H	0.77	ALUMINUM	
L-3	WALL	K6776	EXHAUST	36"Wx12"H	0.77	ALUMINUM	
L-4	WALL	K6776	INTAKE	24"Wx24"H	1.67	ALUMINUM	
L-5	WALL	K6776	INTAKE	48"Wx24"H	3.87	ALUMINUM	
L-6	WALL	K6776	EXHAUST	24"Wx24"H	1.67	ALUMINUM	
L-7	WALL	K6776	INTAKE	48"Wx24"H	3.87	ALUMINUM	
L-8	WALL	K6776	EXHAUST	36"Wx24"H	2.63	ALUMINUM	
L-9	WALL	K6776	EXHAUST	24"Wx12"H	0.60	ALUMINUM	
L-10	WALL	K6776	EXHAUST	36"Wx24"H	2.63	ALUMINUM	
L-11	WALL	K6776	INTAKE	72"Wx72"H	21.09	ALUMINUM	
L-12	WALL	K6776	INTAKE	72"Wx72"H	21.09	ALUMINUM	

GAS-FIRED UNIT HEATER SCHEDULE
BASED ON TRANE

TAG	LOCATION	MODEL NUMBER	TYPE	HEATING DATA M.B.H. OUTPUT	HEATING DATA C.F.M.	HEATING DATA AIR TEMP. E.A.T.	HEATING DATA AIR TEMP. L.A.T.	MOTOR DATA H.P.	MOTOR DATA R.P.M.	MOTOR DATA VOLTS/ PHASE	WEIGHT	REMARKS
GFUH-1	POWER WASH	GPND003	HORIZONTAL	24.3	700	60°F	92°F	1/30	1050	115/1	59 LBS.	
GFUH-2	POL	GPND003	HORIZONTAL	24.3	700	60°F	92°F	1/30	1050	115/1	59 LBS.	
GFUH-3	COMPRESSOR	GPND003	HORIZONTAL	24.3	700	60°F	92°F	1/30	1050	115/1	59 LBS.	
GFUH-4	COMPRESSOR	GPND003	HORIZONTAL	24.3	700	60°F	92°F	1/30	1050	115/1	59 LBS.	

AIR COOLED CONDENSING UNIT SCHEDULE
BASED ON LENNOX

TAG	LOCATION	MODEL NUMBER	TOTAL M.B.H.	SUCTION TEMP.	CONDENSING TEMP.	OUTSIDE AIR TEMP.	ELECTRICAL DATA COMPRESSOR FLA	ELECTRICAL DATA FAN FLA	ELECTRICAL DATA TOTAL FLA	ELECTRICAL DATA VOLTS/PHASE	REMARKS
CU-1	ON PAD AT GRADE	TSA036H4	35.6	40°F	105°F	95°F	14.1	1.1	15.2	208/3	
CU-2	ON PAD AT GRADE	TSA042H4	41.5	40°F	105°F	95°F	13.2	1.7	14.9	208/3	
CU-3	ON PAD AT GRADE	TSA042H4	41.5	40°F	105°F	95°F	13.2	1.7	14.9	208/3	

ELECTRIC WALL HEATER SCHEDULE
BASED ON Q-MARK

TAG	LOCATION	MODEL NUMBER	TYPE	M.B.H.	K.W.	C.F.M.	E.A.T.	L.A.T.	AMPS	VOLTS/ PHASE	REMARKS
EWH-1	VESTIBULE 022	GFR1500	WALL	3.84	1.125	45	60°F	139°F	45	120/1	

GRILLE, REGISTER & DIFFUSER SCHEDULE
BASED ON ANEMOSTAT

TAG	LOCATION	MODEL NUMBER	FUNCTION	FACE SIZE	FRAME TYPE	LOUVER TYPE	MATERIAL	FINISH	DAMPER	REMARKS
D-1	CEILING	EPL	SUPPLY AIR	23-3/4" x 23-3/4"	LAY-IN	CURVED/FIXED	STEEL	WHITE BAKED ENAMEL	OPPOSED BLADE	
R-1	CEILING	AC3LOD	RETURN	AS NOTED -1/4"	LAY-IN	CURVED/FIXED	STEEL	WHITE BAKED ENAMEL	OPPOSED BLADE	
R-2	DUCT	HDOD	EXHAUST	AS NOTED +1-1/2"	FLANGED	CURVED/FIXED	STEEL	WHITE BAKED ENAMEL	OPPOSED BLADE	
G-1	CEILING	AC3LD	RETURN	AS NOTED -1/2"	LAY-IN	CURVED/FIXED	STEEL	WHITE BAKED ENAMEL	-	
G-2	WALL	S3HD	EXHAUST	AS NOTED +1-1/2"	FLANGED	CURVED/FIXED	STEEL	WHITE BAKED ENAMEL	-	
G-3	WALL	HD15	EXHAUST	36" x 30"	FLANGED	CURVED/FIXED	STEEL	WHITE BAKED ENAMEL	-	

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51998
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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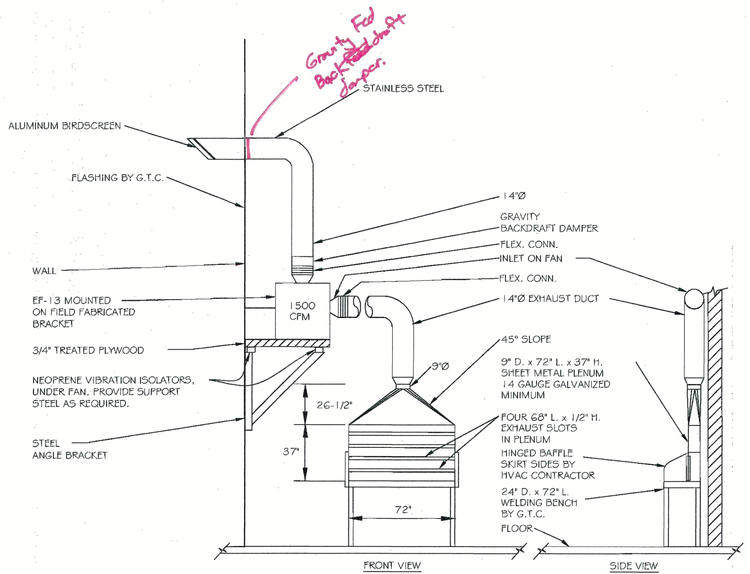
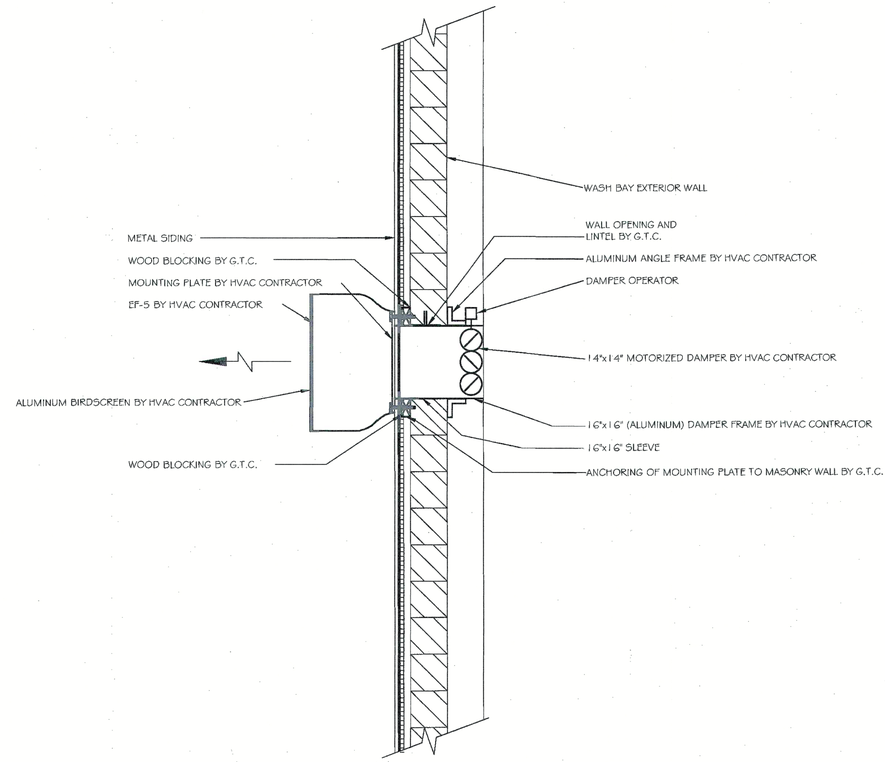
HVAC SCHEDULES



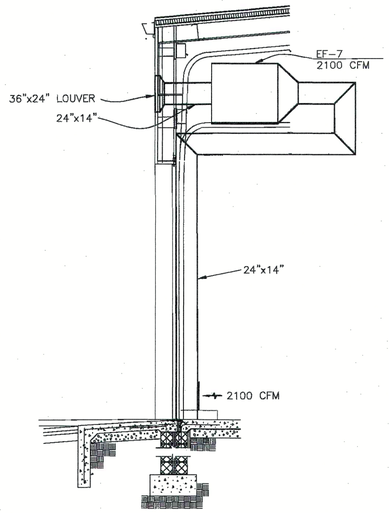
A H801 **WELDING BENCH EXHAUST**

N.T.S.



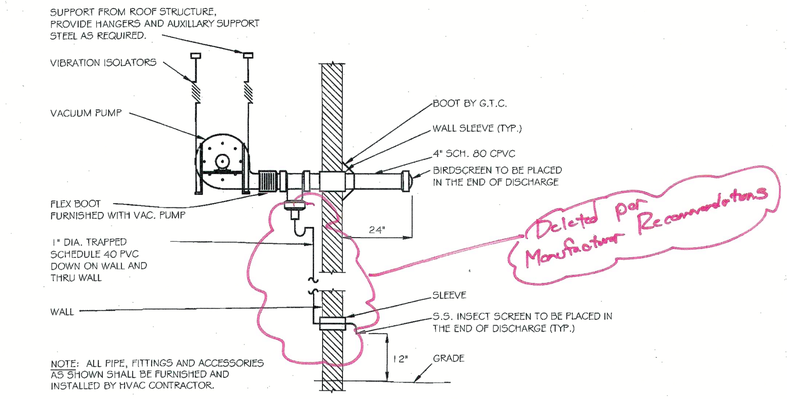
B H801 **EF-5 FAN MOUNTING DETAIL**

N.T.S.



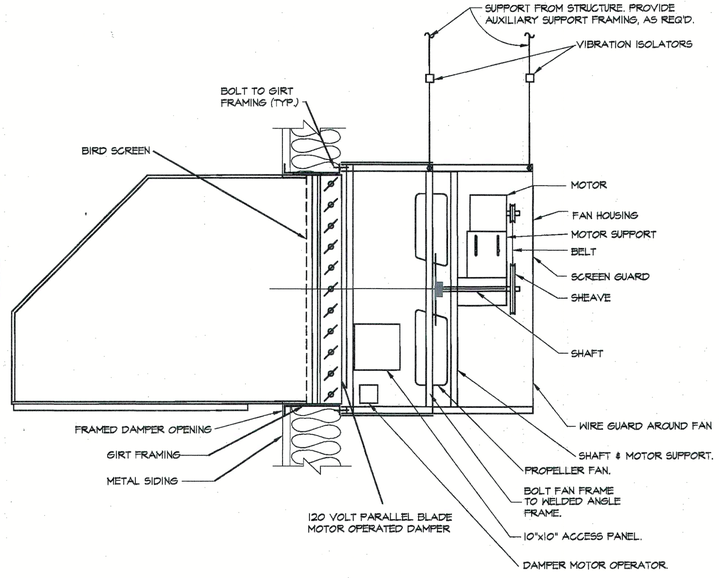
E H801 **OVERHEAD GARAGE DOOR SECTION**

1/4" = 1'-0"



C H801 **RADIANT HEATER VACUUM PUMP VENT DETAIL**

N.T.S.



D H801 **PROPELLER FAN DETAIL**

N.T.S.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

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MAY 16, 2014

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HVAC DETAILS

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 061

REQUEST FOR INFORMATION

TO: RDI, RDFA
DATE: 15-Sep-14
ATTN: Tom Converse, Greg Topp
PAGE: 1 of 1
EMAIL: tconverse@rdicolumbus.com
DWG: HO-201
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Mechanical Room Walls

Please see below RFI from our HVAC / Plumbing Subcontractor.

In reference to HO-201 office, the lowering of walls to top has possibly caused a code violation in the mechanical room. The understanding is that with furnaces and water heaters the walls should be fire rated and sealed.

If walls are to stay at 12', PVC flues will now be exposed to return air plenum and require insulation.

Please advise on fire rating and PVC flues.

RECEIVED BY RDI 9/23/2014

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 16-Sep-14

DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

9/23/2014 RDI - OBC 508.2.5 REQUIRES 1 HOUR OR AUTOMATIC FIRE-EXTINGUISHING SYSTEM FOR ACCESSORY FURNACE ROOMS WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT. RDFA HAS ADVISED NO PIECE OF EQUIPMENT EXCEEDS THE LIMIT SO NO SEPARATION OR PROTECTION IS REQUIRED. IN ANY EVENT, OMF10 IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM AND ENCLOSED IN UNRATED TYPE X GYPSUM BOARD PARTITIONS AND CEILING. PLANS LOWERING THE PARTITIONS TO 12-FEET HAVE BEEN APPROVED BY DOC.

RDFA MUST CONFIRM NO PIECE OF EQUIPMENT IS OVER 400,000 BUT PER HOUR INPUT. REQUIREMENTS OF INTERNATIONAL FUEL GAS CODE, AND REQUIREMENTS OF OMC WITH RESPECT TO PVC FLUES.

DATE OF REPLY: SEPTEMBER 23, 2014 **SIGNED:** [signature]

FINAL DISTRIBUTION: File, Field

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
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RFI # 060

REQUEST FOR INFORMATION

TO: RDI, RDFA
DATE: 15-Sep-14
ATTN: Tom Converse, Greg Topp
PAGE: 1 of 1
EMAIL: tconverse@rdicolumbus.com
DWG: HO-201
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Furnace Venting Between Office & Truck Storage

Please see below RFI from our HVAC / Plumbing Subcontractor.

Per drawing HO-201, note 15 route PVC intake exhaust piping from furnace and water heaters to side wall termination in truck storage wall above office roof. Terminate with concentric vent kit per mfg. Recommendations.

In current field conditions, bottom of vent will be 10" above roof which does not meet code qualifications and subject to snow drift during winter months.

Please advise how to move forward with said vent.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 15-Sep-14

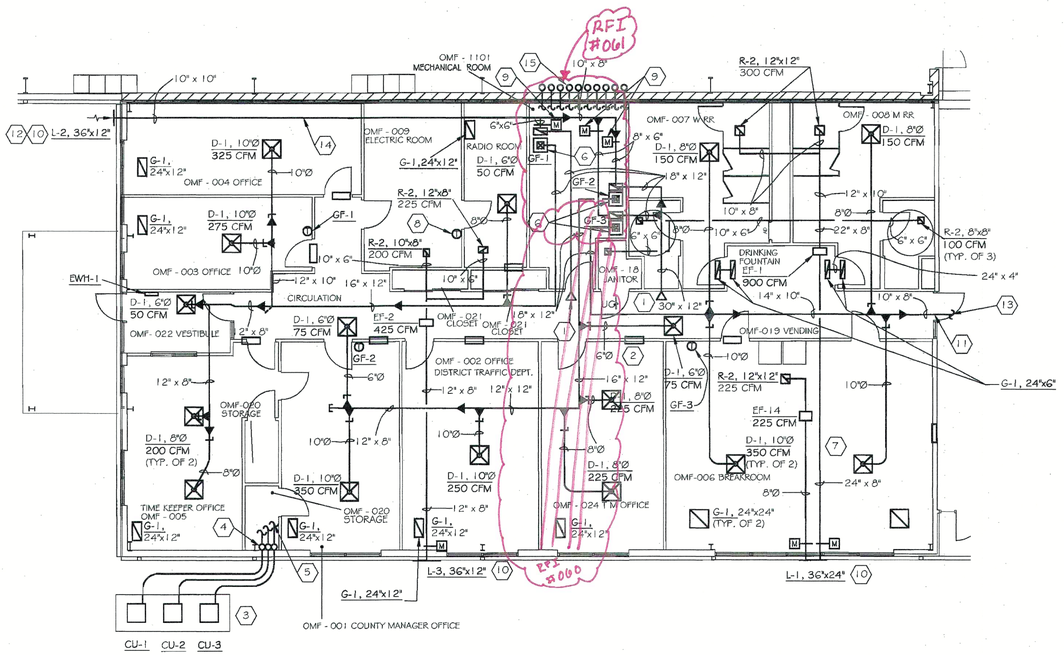
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

Route furnace and water heater flues and combustion air intakes to the east wall of the office. Wrap these pipes once they exit the mechanical room walls and extend to the east wall with plenum rated material. Walls are not fire rated but should prevent passage of air; i.e caulk or seal penetrations. See attached sketch.

DATE OF REPLY: 9/23/2014 **SIGNED:** Gregory C. Topp

FINAL DISTRIBUTION: File, Field



OFFICE ENLARGED HVAC PLAN

0 8'

NORTH

FLOOR PLAN FACILITY OFFICE

HVAC GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES, TO INCLUDE THEOHIO BASIC BUILDING CODE AND THE OHIO MECHANICAL CODE.
2. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AS REQUIRED BY LOCAL AND STATE CODES.
3. ALL EQUIPMENT AND APPLIANCES INSTALLED ON THIS PROJECT SHALL BEAR THE LABEL OF AN APPROVED TESTING AGENCY, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
4. PROTECT ALL EQUIPMENT AND MATERIALS DURING CONSTRUCTION FROM DAMAGE BY WEATHER, WATER, DIRT, AND OTHER CONSTRUCTION ACTIVITIES.
5. UPON COMPLETION OF WORK, ALL MATERIAL AND EQUIPMENT SHALL BE THOROUGHLY CLEANED OF STICKERS, DIRT, GREASE, RUST, OIL, AND OTHER FOREIGN MATTER.
6. THIS CONTRACTOR SHALL ARRANGE FOR AND CONDUCT ALL INSPECTIONS, TESTS, AND APPROVALS OF ITS WORK AND BEAR ALL COSTS FOR SAME.
7. CHECK EACH PIECE OF EQUIPMENT IN THE HVAC SYSTEM FOR DEFECTS, VERIFYING THAT ALL PARTS ARE PROPERLY FURNISHED AND INSTALLED, THAT ALL ITEMS FUNCTION PROPERLY, AND THAT ALL ADJUSTMENTS HAVE BEEN MADE.
8. PROVIDE CONCRETE EQUIPMENT PADS UNDER FLOOR-MOUNTED FURNACES AND CONDENSING UNITS.
9. ALL DUCTWORK SHALL BE CONSTRUCTED PER SMACNA "HVAC DUCT CONSTRUCTION STANDARDS -METAL & FLEXIBLE", 2ND EDITION, 1995.
10. DUCT LAYOUT IS SCHEMATIC; PROVIDE DUCT RISERS, DROPS, OFFSETS, TRANSITIONS, ETC. AND ALL FITTINGS NECESSARY TO INSTALL DUCT SYSTEM. INCLUDE TURNING VANES, EXTRACTORS, SPLITTER DAMPERS, VOLUME DAMPERS, ACCESS DOORS, FLEXIBLE DUCTS & CONNECTIONS, AS REQUIRED.
11. MAKE FINAL CONNECTIONS TO SUPPLY AIR DIFFUSERS IN LAY-IN CEILINGS WITH INSULATED FLEXIBLE DUCT; MAXIMUM 5'-0" AND ONE 90°ELBOW. THE USE OF FLEXIBLE DUCT IN RETURN AIR SYSTEM IS PROHIBITED.
12. PRESSURIZE DUCTWORK TO 110% OF DESIGN STATIC PRESSURE. AIR LEAKAGE SHALL NOT EXCEED 0.5% OF THE DESIGN CFM IN ANY MAIN OR BRANCH.
13. ALL SUPPLY AIR DUCTS SHALL BE WRAPPED WITH 1-1/2" THICK, 1 LB. DENSITY FLEXIBLE FIBERGLASS BLANKET INSULATION WITH REINFORCED FOIL & KRAFT VAPOR BARRIER FACING. SEAL JOINTS WITH 2" WIDE VAPOR BARRIER TAPE.
14. RUN CONDENSATION DRAINS FROM EACH COOLING COIL DRAIN PAN WITH TRAP TO FLOOR DRAIN.
15. BALANCE ALL AIR SYSTEMS IN ACCORDANCE WITH AABC NATIONAL STANDARDS & SUBMIT BALANCE REPORT.

HVAC CODED NOTES

1. PROVIDE 42" x 18" RETURN AIR OPENING ABOVE CEILING.
2. 14" x 16" RETURN AIR OPENING IN WALL ABOVE CEILING (TYPICAL).
3. MOUNT CONDENSING UNITS ON 6" CONCRETE PAD PROVIDED BY G.T.C.
4. ROUTE REFRIGERANT PIPING UP INSIDE STORAGE 020 IN 3" PVC PIPING WITH LONG RADIUS 45° ELBOWS (EXTERIOR AT 18" A.F.F. AND ABOVE CEILING ON THE INTERIOR). ONE LINE REPRESENTS MULTIPLE SETS OF REFRIGERANT PIPING FOR CLARITY. SIZE PIPING AS RECOMMENDED BY MANUFACTURER.
5. EXTEND REFRIGERANT PIPING ABOVE CEILING TO ASSOCIATED FURNACE COOLING COIL. CEILING SPACE IS A R.A. PLENUM. REFRIGERANT PIPING INSULATION MUST BE PLENUM RATED.
6. MOUNT FURNACE ON 4" HIGH CONCRETE PAD PROVIDED BY G.T.C. ROUTE SEPARATE 1" CONDENSATION DRAINS FROM DX COIL AND 1" FROM COMBUSTION EXHAUST PIPE TO FLOOR DRAIN IN AREA (NOT SHOWN). EXTEND REFRIGERANT PIPING FROM COOLING COIL TO ASSOCIATED CONDENSING UNIT. SIZE AS RECOMMENDED BY MANUFACTURER.
7. SUPPLY AIR DIFFUSER (TYPICAL).
8. REVERSE ACTING THERMOSTAT INTERLOCKED WITH EF-2.
9. MOTORIZED OUTSIDE AIR DAMPER.
10. MOUNT BOTTOM OF LOUVER 10'-0" A.F.F.
11. PROVIDE FIRE/SMOKE DAMPER IN WALL PENETRATION.
12. PROVIDE DRAINABLE INSULATED PLENUM.
13. SEE SHEET HV201 FOR CONTINUATION.
14. INSULATE OUTSIDE AIR DUCT.
15. ROUTE PVC INTAKE/EXHAUST PIPING FROM FURNACE AND WATER HEATER (NOT SHOWN) TO SIDEWALL TERMINATION IN TRUCK STORAGE WALL ABOVE OFFICE ROOF. TERMINATE WITH CONCENTRIC VENT KIT PER MANUFACTURER RECOMMENDATIONS.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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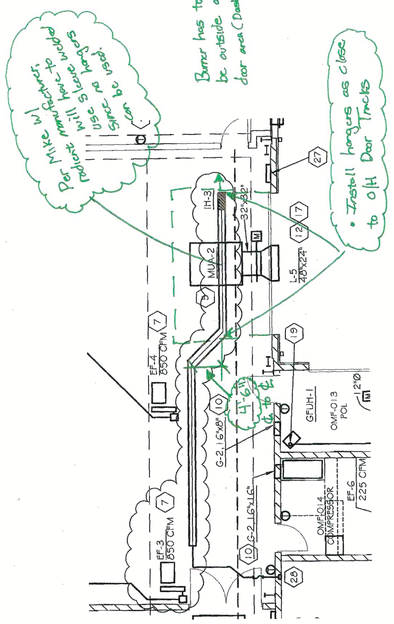
HO201

OFFICE HVAC PLAN



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www.thomas-marker.com

THOMAS & MARKER CONSTRUCTION

RFI # ~~052~~ 053

REQUEST FOR INFORMATION

TO: RDI, RDFA
DATE: 27-Aug-14
ATTN: Tom Converse, Greg Topp
PAGE: 1 of 1
EMAIL: tconverse@rdicolumbus.com
DWG: N/A
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Crane Conflict

Please see attached RFI from our plumbing subcontractor.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 28-Aug-14
DISTRIBUTION: File, Field, Steve McClarren

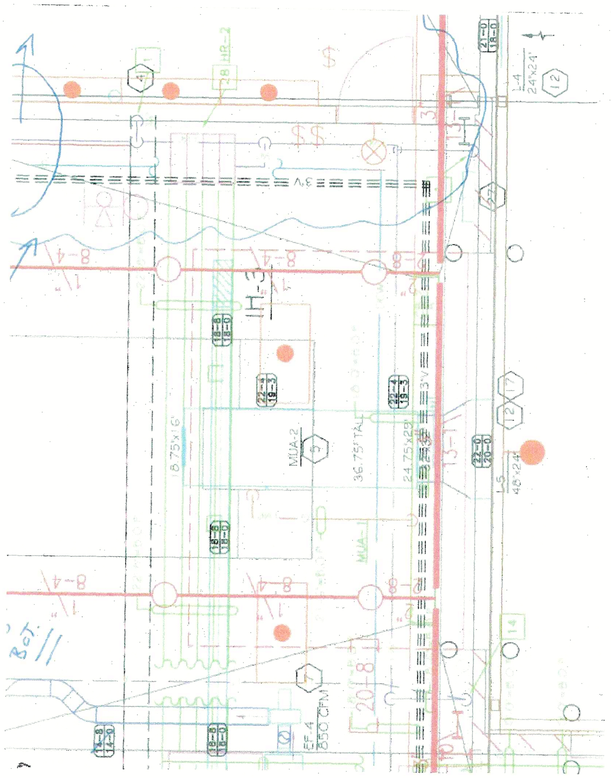
REPLY (RETURN THIS SHEET WITH REPLY):

8/28/2014 - IN VEHICLE MAINTENANCE, AND SUBJECT TO HVAC ENGINEER APPROVAL, 10"X10" DROPS FROM EF-6 TO 1-FOOT ABOVE FLOOR MAY BE TIGHT TO WALL AT LINE 11. SUBJECT TO HVAC ENGINEER APPROVAL, DROPS FOR SERVICES AT LINE 14 MAY BE TIGHT TO WALL AND 22-FEET OR ABOVE WHEN RUNNING HORIZONTALLY CROSSING BRIDGE CRANE (OTHERWISE 18-FEET OR ABOVE).

DATE OF REPLY: 8/28/2014 **SIGNED:** [signature]

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)



2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

THOMAS & MARKER CONSTRUCTION

RFI # 070

REQUEST FOR INFORMATION

TO: RDI & RDFA
DATE: 21-Oct-14
ATTN: Tom Converse
PAGE: 1 of 1
EMAIL: tconverse@rdicolumbus.com
DWG: N/A
FR: German Gonzalez
SPEC: N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Heat Above Ceilings in Wash Bay.

Please see attached RFI from our fire suppression subcontractor.

Is there a heat source to protect sprinkler pipe from freezing above ceilings in Vehicle Maintenance wash bay?

Possible solution may be to install an air grill / louver within the ceiling to allow heat transfer.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 22-Oct-14
DISTRIBUTION: File, Greg Topp

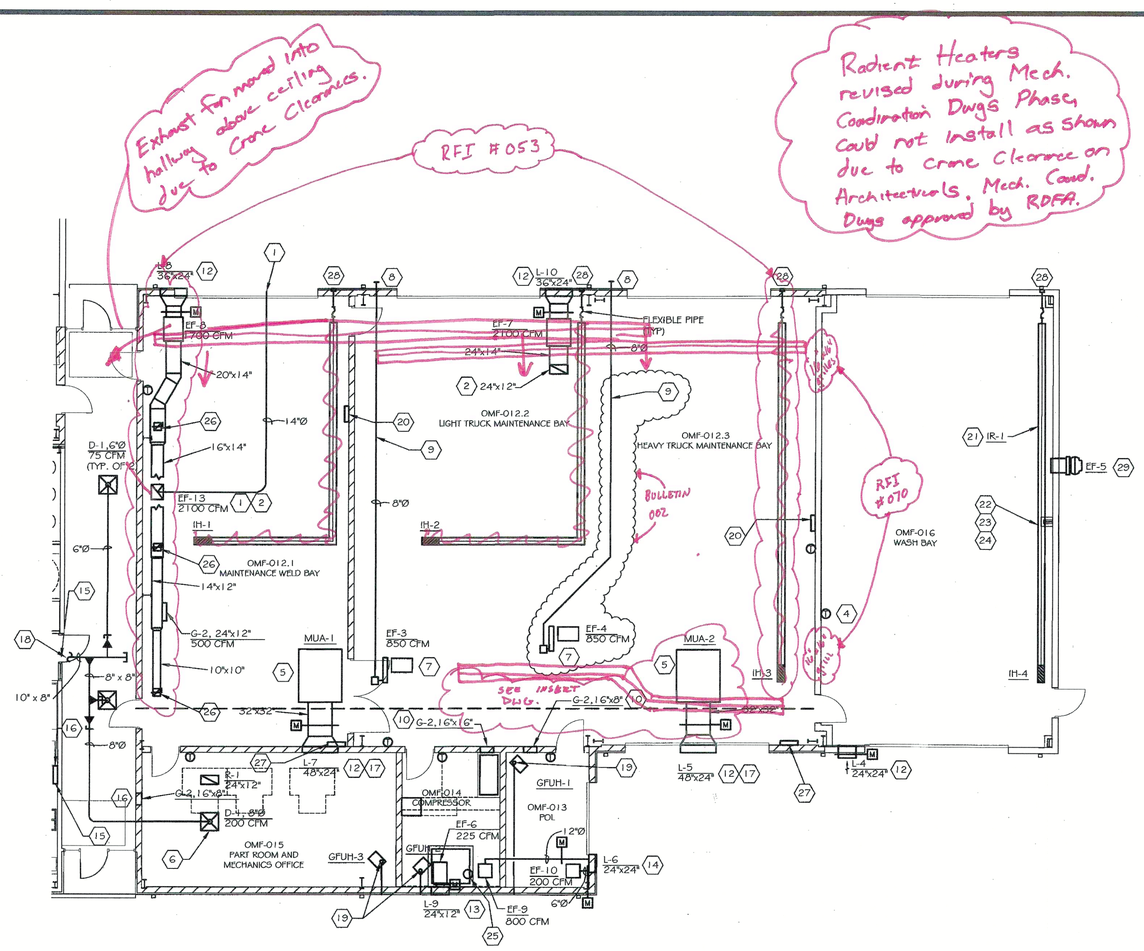
REPLY (RETURN THIS SHEET WITH REPLY):

Install (2) 16" x 16" grilles in the wall between the wash bay and maintenance bay. Install high enough to be above the ceiling of the wash bay. Put one near the east end and one near the west end. with the R-38 roof insulation we shouldn't see any freezing, but this will provide some air circulation.

DATE OF REPLY: _____ **SIGNED:** Gregory C. Topp

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)



VEHICLE MAINTENANCE HVAC FLOOR PLAN

0 8' NORTH

FLOOR PLAN VEHICLE MAINTENANCE BUILDING

HVAC CODED NOTES

1. WELDING BENCH AND HOOD EXHAUST DUCT THROUGH WALL. (SEE DETAIL "A" ON SHEET H801). COORDINATE LOCATION WITH PIPING AND STRUCTURE.
2. DROP DUCT DOWN WALL TO 1'-0" A.F.F. PROVIDE HEAVY-DUTY GRILLE IN VERTICAL FACE OF DUCT WITH BOTTOM OF REGISTER @ 1'-0" ABOVE FLOOR. RIGIDLY BRACE DUCT. G-3, 20" x 30". REFER TO DETAIL ON H810.
3. (NOT USED)
4. WATERPROOF THERMOSTAT MOUNTED ON INSULATED SUBBASE. (SEE SPECIFICATIONS.)
5. HANG UNIT FROM STRUCTURE AS REQUIRED. PROVIDE VIBRATION ISOLATORS.
6. SUPPLY AIR DIFFUSER (TYPICAL).
7. ENGINE TAIL PIPE EXHAUST HOSE REEL AND FAN BY HVAC CONTRACTOR.(14'-0" A.F.F. TO BOTTOM). EXHAUST DUCT THRU WALL BY HVAC CONTRACTOR. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
8. PROVIDE WALL CAP, BIRD SCREEN, TRANSITION DUCT AND BACKDRAFT DAMPER FOR HOSE REEL EXHAUST DUCT. VERIFY LOCATION PRIOR TO ROUGH-IN.
9. HOSE REEL EXHAUST DUCT.
10. GRILLE ON EACH SIDE OF WALL, BOTTOM @ 6'-0" A.F.F.
11. NOT USED.
12. MOUNT BOTTOM OF LOUVER 18'-0" A.F.F.
13. MOUNT BOTTOM OF LOUVER 10'-0" A.F.F.
14. MOUNT BOTTOM OF LOUVER 11'-0" A.F.F.
15. PROVIDE FIRE DAMPERS IN WALL PENETRATION.
16. RETURN AIR OPENING IN WALL ABOVE CEILING.
17. PROVIDE DRAINABLE INSULATED PLENUM.
18. SEE SHEET H0201 FOR CONTINUATION.
19. EXTEND FLUE THRU WALL.
20. CARBON MONOXIDE/NITROGEN DIOXIDE DETECTION SYSTEM.
21. ROTATE DEFLECTOR TO 45° DIRECTION AWAY FROM SIDEWALL.
22. SUPPORT FROM ROOF STRUCTURE NOT CEILING. PROVIDE CORROSION RESISTANT UNISTRUT ATTACHED TO THE ROOF TRUSSES. INSTALL HEATERS WITH CLEARANCE TO COMBUSTIBLES PER MANUFACTURERS RECOMMENDATIONS. PENETRATIONS THROUGH CEILING SHALL BE MADE WATERTIGHT.
23. PROVIDE ALL NECESSARY CORROSION RESISTANT BRIDGING SUPPORTS WITH HANGERS TO ADEQUATELY SUPPORT THE TOTAL LENGTH.
24. SUPPORT ALL EQUIPMENT WITH CORROSION RESISTANT UNISTRUT SPANNING AND CONNECTION TO ROOF JOISTS (TYP.). PENETRATIONS THROUGH CEILING SHALL BE MADE WATERTIGHT.
25. PROVIDE COLLAR AT CONNECTION TO POWER WASHER VENT OUTLET (FOR EASE OF REMOVAL.) PROVIDE DRAFT DIVERTER AT 36" ABOVE POWER WASHER OUTLET. ROUTE VENT THROUGH WALL.
26. 10" x 10" DROP DOWN TO 12" A.F.F. COVER OPENING AT BOTTOM WITH BIRDSCREEN. BALANCE 400 CFM. PROVIDE BALANCE DAMPER IN VERTICAL DROP.
27. MUA UNIT REMOTE CONTROL PANEL AND VFD.
28. SIDEWALL VENT TERMINATION. INSTALL PER MANUFACTURERS RECOMMENDATION.
29. INSTALL EXHAUST FAN AT 16'-0" A.F.F. TO BOTTOM. REFER TO DETAIL ON SHEET H801.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

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DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014

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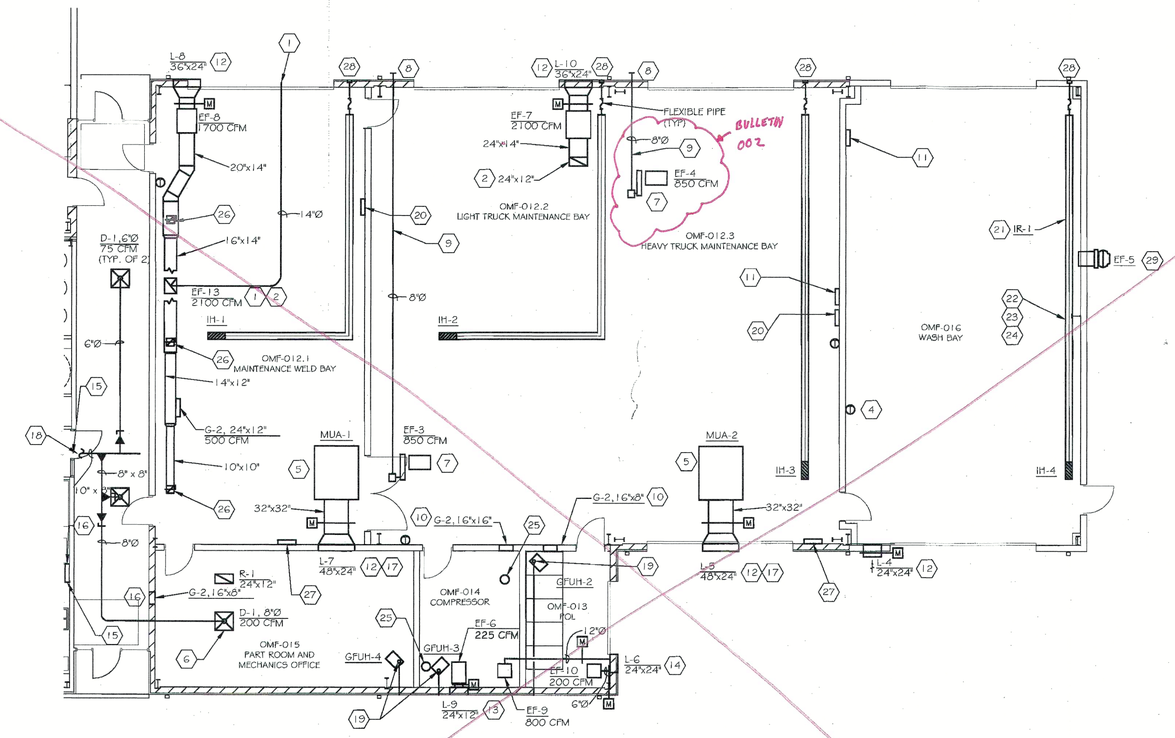
HV201

VEHICLE MAINTENANCE HVAC FLOOR PLAN



VEHICLE MAINTENANCE HVAC FLOOR PLAN

0 8' NORTH

FLOOR PLAN VEHICLE MAINTENANCE BUILDING

HVAC CODED NOTES

1. WELDING BENCH AND HOOD EXHAUST DUCT THROUGH WALL. (SEE DETAIL "A" ON SHEET H801). COORDINATE LOCATION WITH PIPING AND STRUCTURE.
2. DROP DUCT DOWN WALL TO 11'-0" A.F.F. PROVIDE HEAVY-DUTY GRILLE IN VERTICAL FACE OF DUCT WITH BOTTOM OF REGISTER @ 11'-0" ABOVE FLOOR. RIGIDLY BRACE DUCT. G-3, 20" x 30". REFER TO DETAIL ON H810.
3. (NOT USED)
4. WATERPROOF THERMOSTAT MOUNTED ON INSULATED SUBBASE. (SEE SPECIFICATIONS.)
5. HANG UNIT FROM STRUCTURE AS REQUIRED. PROVIDE VIBRATION ISOLATORS.
6. SUPPLY AIR DIFFUSER (TYPICAL).
7. ENGINE TAIL PIPE EXHAUST HOSE REEL AND FAN BY HVAC CONTRACTOR (14'-0" A.F.F. TO BOTTOM). EXHAUST DUCT THRU WALL BY HVAC CONTRACTOR. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
8. PROVIDE WALL CAP, BIRD SCREEN, TRANSITION DUCT AND BACKDRAFT DAMPER FOR HOSE REEL EXHAUST DUCT. VERIFY LOCATION PRIOR TO ROUGH-IN.
9. HOSE REEL EXHAUST DUCT.
10. GRILLE ON EACH SIDE OF WALL, BOTTOM @ 6'-0" A.F.F.
11. TEMPERATURE CONTROL PANEL FOR INFRARED HEATERS.
12. MOUNT BOTTOM OF LOUVER 18'-0" A.F.F.
13. MOUNT BOTTOM OF LOUVER 10'-0" A.F.F.
14. MOUNT BOTTOM OF LOUVER 11'-0" A.F.F.
15. PROVIDE COMBINATION FIRE/SMOKE DAMPERS IN WALL PENETRATION.
16. RETURN AIR OPENING IN WALL ABOVE CEILING.
17. PROVIDE DRAINABLE INSULATED PLENUM.
18. SEE SHEET H0201 FOR CONTINUATION.
19. EXTEND FLUE THRU WALL.
20. CARBON MONOXIDE/NITROGEN DIOXIDE DETECTION SYSTEM.
21. ROTATE DEFLECTOR TO 45° DIRECTION AWAY FROM SIDEWALL.
22. SUPPORT FROM ROOF STRUCTURE NOT CEILING. PROVIDE CORROSION RESISTANT UNISTRUT ATTACHED TO THE ROOF TRUSSES. INSTALL HEATERS WITH CLEARANCE TO COMBUSTIBLES PER MANUFACTURERS RECOMMENDATIONS. PENETRATIONS THROUGH CEILING SHALL BE MADE WATERTIGHT.
23. PROVIDE ALL NECESSARY CORROSION RESISTANT BRIDGING SUPPORTS WITH HANGERS TO ADEQUATELY SUPPORT THE TOTAL LENGTH.
24. SUPPORT ALL EQUIPMENT WITH CORROSION RESISTANT UNISTRUT SPANNING AND CONNECTION TO ROOF JOISTS (TYP.). PENETRATIONS THROUGH CEILING SHALL BE MADE WATERTIGHT.
25. PROVIDE COLLAR AT CONNECTION TO POWER WASHER VENT OUTLET (FOR EASE OF REMOVAL) PROVIDE DRAFT DIVERTER AT 36" ABOVE POWER WASHER OUTLET. ROUTE VENT THROUGH WALL.
26. 10" x 10" DROP DOWN TO 12" A.F.F. COVER OPENING AT BOTTOM WITH BIRDSCREEN. BALANCE 400 CFM. PROVIDE BALANCE DAMPER IN VERTICAL DROP.
27. MUA UNIT REMOTE CONTROL PANEL AND VFD.
28. SIDEWALL VENT TERMINATION. INSTALL PER MANUFACTURER'S RECOMMENDATION.
29. INSTALL EXHAUST FAN AT 16'-0" A.F.F. TO BOTTOM. REFER TO DETAIL ON SHEET H801.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. G. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

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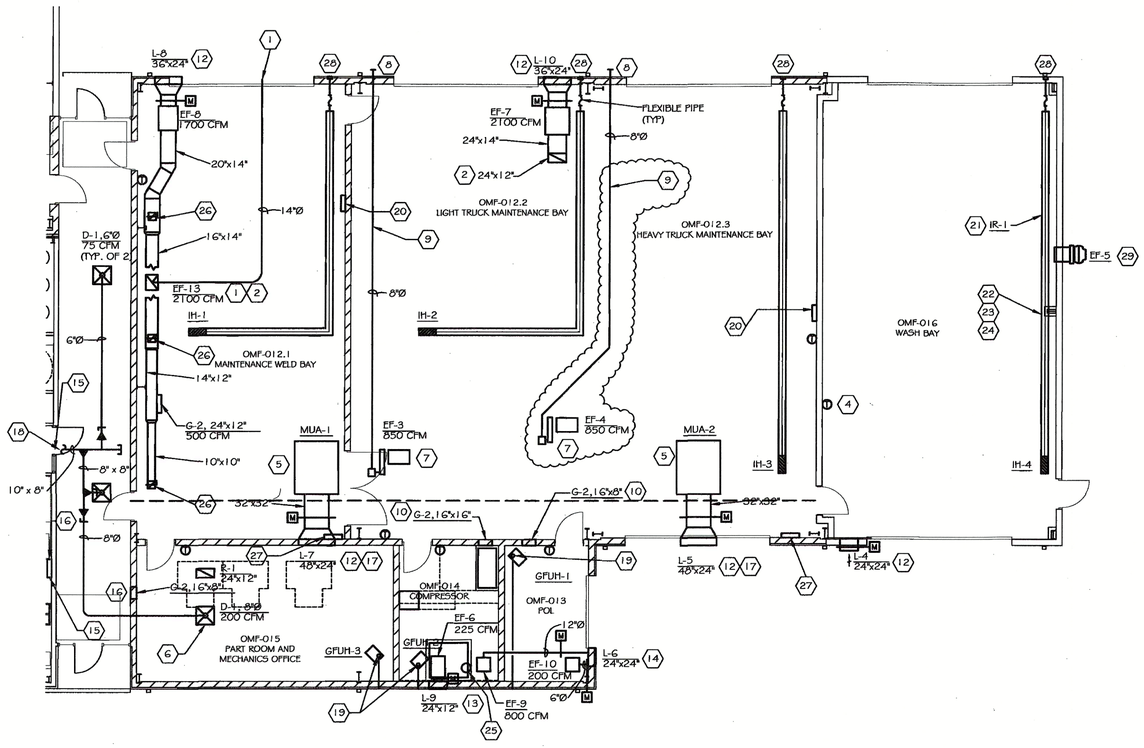
VEHICLE MAINTENANCE HVAC FLOOR PLAN



VEHICLE MAINTENANCE HVAC FLOOR PLAN

0 8' NORTH

FLOOR PLAN VEHICLE MAINTENANCE BUILDING

HVAC CODED NOTES

1. WELDING BENCH AND HOOD EXHAUST DUCT THROUGH WALL. (SEE DETAIL "A" ON SHEET H601). COORDINATE LOCATION WITH PIPING AND STRUCTURE.
2. DROP DUCT DOWN WALL TO 1'-0" A.F.F. PROVIDE HEAVY-DUTY GRILLE IN VERTICAL FACE OF DUCT WITH BOTTOM OF REGISTER @ 1'-0" ABOVE FLOOR. RIGIDLY BRACE DUCT. G-3, 20" x 30". REFER TO DETAIL ON H810.
3. (NOT USED)
4. WATERPROOF THERMOSTAT MOUNTED ON INSULATED SUBBASE. (SEE SPECIFICATIONS.)
5. HANG UNIT FROM STRUCTURE AS REQUIRED. PROVIDE VIBRATION ISOLATORS.
6. SUPPLY AIR DIFFUSER (TYPICAL).
7. ENGINE TAIL PIPE EXHAUST HOSE REEL AND FAN BY HVAC CONTRACTOR (14'-0" A.F.F. TO BOTTOM). EXHAUST DUCT THRU WALL BY HVAC CONTRACTOR. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
8. PROVIDE WALL CAP, BIRD SCREEN, TRANSITION DUCT AND BACKDRAFT DAMPER FOR HOSE REEL EXHAUST DUCT. VERIFY LOCATION PRIOR TO ROUGH-IN.
9. HOSE REEL EXHAUST DUCT.
10. GRILLE ON EACH SIDE OF WALL, BOTTOM @ 6'-0" A.F.F.
11. NOT USED.
12. MOUNT BOTTOM OF LOUVER 18'-0" A.F.F.
13. MOUNT BOTTOM OF LOUVER 10'-0" A.F.F.
14. MOUNT BOTTOM OF LOUVER 11'-0" A.F.F.
15. PROVIDE FIRE DAMPERS IN WALL PENETRATION.
16. RETURN AIR OPENING IN WALL ABOVE CEILING.
17. PROVIDE DRAINABLE INSULATED PLENUM.
18. SEE SHEET H0201 FOR CONTINUATION.
19. EXTEND FLUE THRU WALL.
20. CARBON MONOXIDE/NITROGEN DIOXIDE DETECTION SYSTEM.
21. ROTATE DEFLECTOR TO 45° DIRECTION AWAY FROM SIDEWALL.
22. SUPPORT FROM ROOF STRUCTURE NOT CEILING. PROVIDE CORROSION RESISTANT UNISTRUT ATTACHED TO THE ROOF TRUSSES. INSTALL HEATERS WITH CLEARANCE TO COMBUSTIBLES PER MANUFACTURER'S RECOMMENDATIONS. PENETRATIONS THROUGH CEILING SHALL BE MADE WATERTIGHT.
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28. SIDEWALL VENT TERMINATION. INSTALL PER MANUFACTURER'S RECOMMENDATION.
29. INSTALL EXHAUST FAN AT 16'-0" A.F.F. TO BOTTOM. REFER TO DETAIL ON SHEET H801.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO PROFESSIONAL ENGINEERS REGISTERED G. C. TOPP 51988 M. L. YOUNG 43335

BALANCE OF PROJECT PACKAGE
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ATHENS FULL SERVICE
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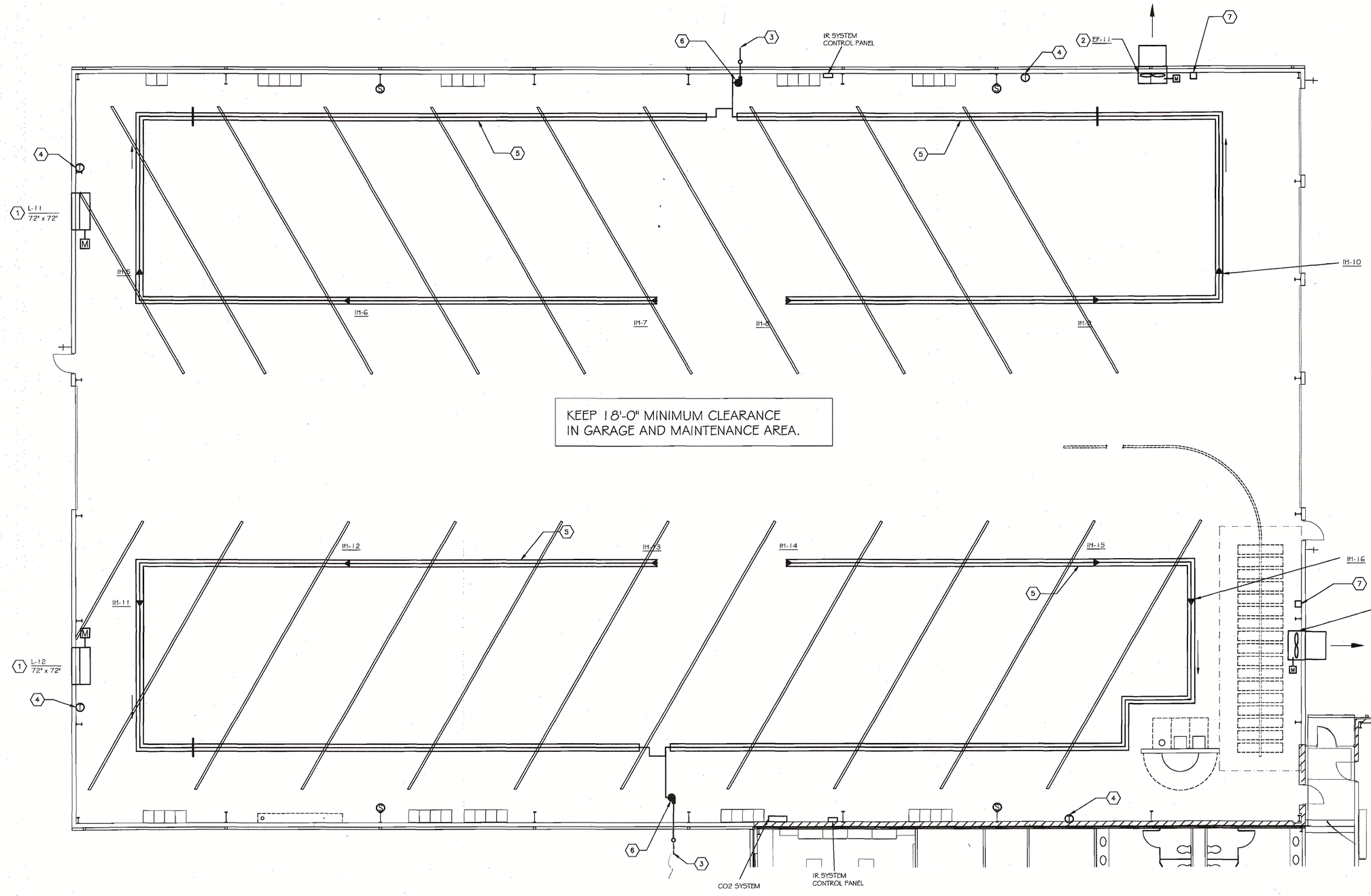
VEHICLE MAINTENANCE HVAC FLOOR PLAN



TRUCK STORAGE HVAC PLAN

0 8'

NORTH

FLOOR PLAN TRUCK STORAGE

HVAC CODED NOTES

1. MOUNT BOTTOM OF LOUVER 16'-0" A.F.F.
2. MOUNT BOTTOM OF EXHAUST FAN 16'-0" A.F.F.
3. WALL VENT CAP FURNISHED BY RADIANT HEATER MANUFACTURER.
4. THERMOSTAT FOR INFRARED HEATING SYSTEM. MOUNT ON INSULATED SUB-BASE.
5. MOUNT RADIANT HEATING SYSTEMS AT MAXIMUM POSSIBLE HEIGHT. MAINTAIN ALL CLEARANCES TO COMBUSTIBLES. COORDINATE EXACT LOCATIONS WITH ALL EQUIPMENT. PROVIDE HEAT SHIELDS AS NECESSARY.
6. VACUUM PUMP. SEE DETAIL 'C' ON SHEET H801.
7. HAND OFF-AUTO SWITCH FOR EXHAUST FAN. INTERLOCK WITH RESPECTIVE INTAKE LOUVER ON SOUTH WALL.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP
51988
M. L. YOUNG
43335
REGISTERED
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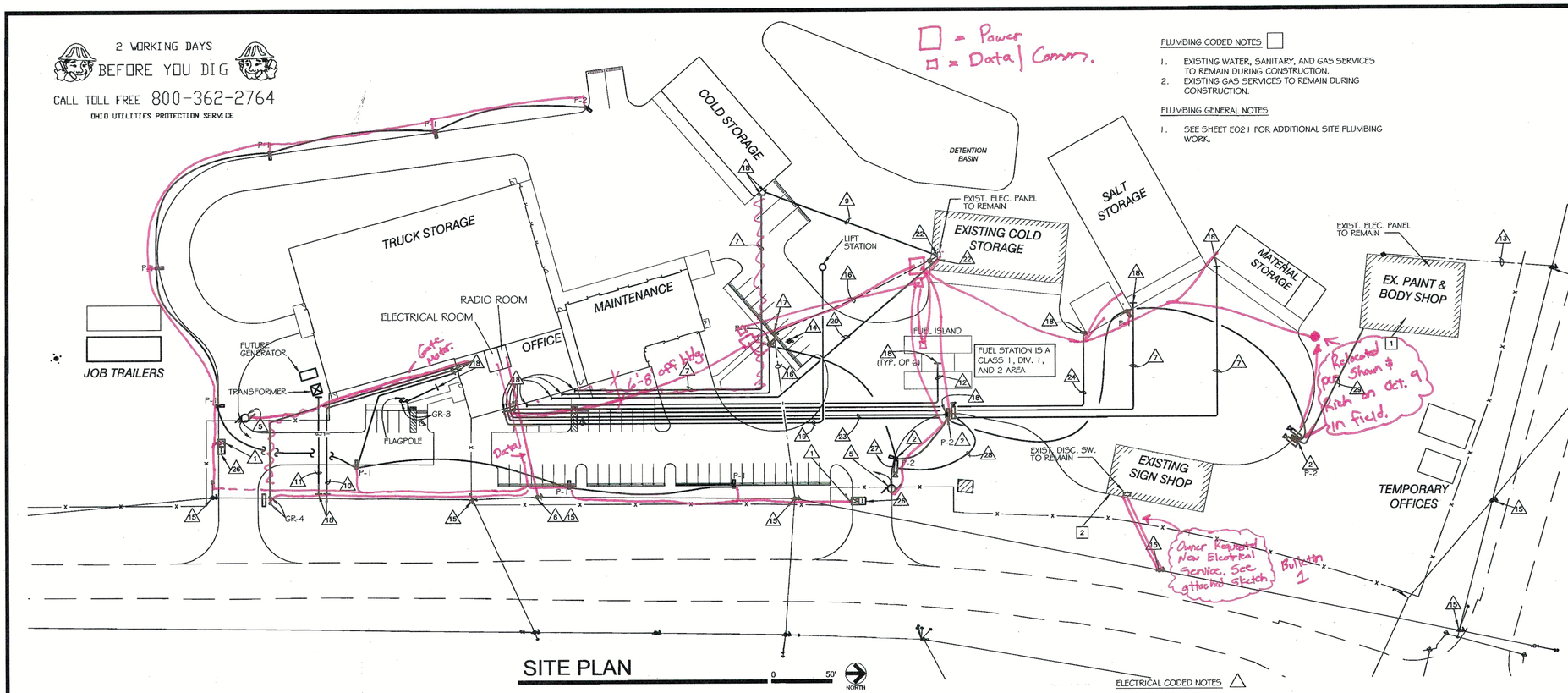
TRUCK STORAGE HVAC
FLOOR PLAN

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

□ = Power
□ = Data/Comm.



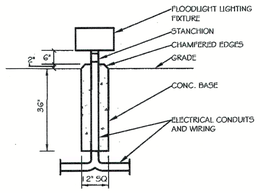
SITE PLAN 0 50' NORTH

PLUMBING CODED NOTES □

1. EXISTING WATER, SANITARY, AND GAS SERVICES TO REMAIN DURING CONSTRUCTION.
2. EXISTING GAS SERVICES TO REMAIN DURING CONSTRUCTION.

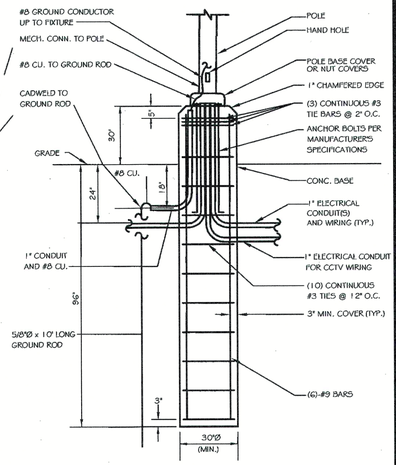
PLUMBING GENERAL NOTES

1. SEE SHEET E021 FOR ADDITIONAL SITE PLUMBING WORK.



GRADE MOUNTED FLOODLIGHT BASE DETAIL

0 NTS



POLE BASE DETAIL

0 NTS

ELECTRICAL CODED NOTES △

1. FOR CARD READER.
2. PROVIDE 1" C. WITH PULLWIRE FOR CCTV AND EXTEND CONDUIT TO BUILDING.
3. (NOT USED).
4. (NOT USED).
5. MOTORIZED GATE CONTROLLER. PROVIDE (1) 3" CONDUIT TO THE BUILDING FOR CONTROL WIRING AND (1) 1-1/2" C. FOR POWER WIRING. EXTEND (1) 1" CONDUIT TO CARD READER AND (1) 1" CONDUIT TO INTERCOM FOR CONTROL WRING.
6. DISCONNECT TELECOMMUNICATION LINES FROM EXISTING UTILITY POLE.
7. PROVIDE (1) 2" C. WITH PULLWIRE.
8. (NOT USED).
9. PROVIDE (1) 2" C. WITH PULLWIRE FROM EXISTING PANEL IN EXISTING COLD STORAGE BUILDING TO NEW COLD STORAGE BUILDING.
10. PROVIDE (2) 4" PVC TELEPHONE SERVICE CONDUITS UNDERGROUND WITH PULLWIRE.
11. PROVIDE (2) 5" PVC CONDUITS WITH PULLWIRES FOR NEW UNDERGROUND PRIMARY ELECTRIC FEEDERS BY POWER COMPANY.
12. PROVIDE (4) 1-1/2" AND (4) 1" CONDUITS FOR FUEL ISLAND POWER AND CONTROL WIRING.
13. EXISTING UNDERGROUND ELECTRIC TO REMAIN. PROTECT WIRING AND CONDUIT DURING CONSTRUCTION.
14. EXISTING LIFT STATION CONTROLS TO REMAIN IN USE DURING CONSTRUCTION. PROTECT CONTROLS, WIRING AND CONDUIT AS NECESSARY DURING CONSTRUCTION.
15. EXISTING UTILITY POLE TO REMAIN.
16. EXISTING OVERHEAD ELECTRIC SERVICE WIRING TO REMAIN ACTIVE DURING CONSTRUCTION. PROTECT AS NECESSARY DURING CONSTRUCTION.
17. EXISTING ELECTRIC SERVICE UTILITY POLE TO REMAIN DURING CONSTRUCTION.
18. PROVIDE CAP AND MARKER AT END OF CONDUIT(S).
19. PROVIDE 1-1/2" C. WITH PULLWIRE FOR LIFT STATION.
20. PROVIDE 3" C. WITH PULLWIRE TO EXISTING PANEL IN EXISTING COLD STORAGE BUILDING.
21. (NOT USED).
22. TERMINATE CONDUIT INSIDE BUILDING ALONG OUTSIDE WALL 12" A.F.F.
23. PROVIDE (1) 1" C. FOR FUEL SHUT-OFF PUSHBUTTON.
24. PROVIDE (2) 2-1/2" C. WITH PULLWIRES.
25. (NOT USED).
26. FOR INTERCOM.
27. EXTEND 1" CONDUIT WITH PULLWIRE TO NORTHEAST CORNER OF MAINTENANCE BUILDING AND PROVIDE CAP AND MARKER AT END OF CONDUIT.
28. DAISY CHAIN CCTC CAMERAS TOGETHER WITH 1-1/2" C.
29. PROVIDE 1-1/2" CONDUIT WITH PULLWIRE TO EX. PAINT AND BODY SHOP AND EXTEND TO EXISTING DATA RACK FOR CCTV CAMERAS.

ELECTRICAL SYMBOLS

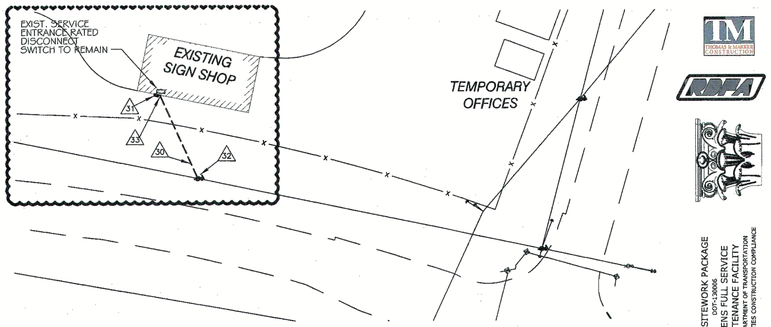
1. ALL SYMBOLS NOT NECESSARILY USED.
2. MOUNTING HEIGHT (M.H.) IS TO CENTERLINE OF DEVICE.
3. MOUNTING HEIGHT ON PLAN SUPERSEDES THIS SCHEDULE.
4. RTD: REFER TO DRAWING.
5. ADJUST MOUNTING HEIGHTS OF DEVICES WHICH PROTRUDE MORE THAN 4" INTO CORRIDORS AND WALKWAYS AS NECESSARY TO MEET A.D.A. CLEARANCE REQUIREMENTS.

SYMBOL	ITEM	M.H.
T	TELEPHONE CONDUIT	
J	JUNCTION BOX	RTD
M	SINGLE-PHASE MOTOR	
	POWER PANEL	TOP @ 72"
	LIGHTING PANEL	TOP @ 72"
	WIRING ABOVE CEILING OR IN JOIST SPACE	
	WIRING UNDER FLOOR OR IN WALL	

SYMBOL	ITEM	M.H.
E	ELECTRICAL SYSTEM CONDUIT	
	EXISTING WIRING TO REMAIN	
	ITEM TO BE REMOVED	
CR	CARD READER	48"
	CCTV CAMERA, FIXED, PAN/TILT/ZOOM	RTD
2#12,1#12 / 3/4"C	HOME RUN TO PANEL "A", 2-POLE BRKR.	

ELECTRICAL GENERAL NOTES

1. PROVIDE GRADE MOUNTED PULLBOXES EVERY 200' PER SPECIFICATIONS. LOCATE PULLBOXES IN GRASSY AREAS OR LOW TRAFFIC AREAS WHERE POSSIBLE.
2. REFER TO SPECIFICATIONS FOR TEMPORARY ELECTRIC SERVICE TO MAINTENANCE GARAGE.
3. ALL SITE LIGHTING POLES TO BE LOCATED 5'-0" OUTSIDE OF PAVED AREAS.



SITE PLAN 0 50' NORTH

ELECTRICAL CODED NOTES △

30. NEW UNDERGROUND 3" CONDUIT FOR UTILITY COMPANY WIRING.
31. NEW ELECTRIC METER BY UTILITY COMPANY. METER BASE BY CONTRACTOR.
32. NEW POLE MOUNTED TRANSFORMER TO BE INSTALLED ON EXISTING UTILITY POLE.
33. CONTRACTOR TO EXTEND CONDUIT AND WIRING FROM POLE MOUNTED TRANSFORMER TO EXISTING SERVICE ENTRANCE RATED DISCONNECT SWITCH.

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

Bulletin 1

ELECTRICAL SITE PLAN

E021

LIGHTING FIXTURE SCHEDULE

MOUNTING CODED: CL – CEILING MOUNTED; CH – CHAIN HUNG; W – WALL MOUNTED; R – RECESSED; S – STEM MOUNTED; UC – UNDER CABINET; CV – COVE MOUNTED; TR – TRACK MOUNTED; B – BOLLARD; GR – GRADE MOUNTED; P – POLE MOUNTED

NOTES: FIXTURES SHALL INCLUDE CBM/ETL PREMIUM BALLASTS, LENSES, CANOPIES AND ACCESSORIES COMPATIBLE WITH CEILING CONSTRUCTION. UNLESS NOTED OTHERWISE, ALL FIXTURES AND LAMPS TO BE 120 VOLTS.

	MANUFACTURERS	CATALOG NO.	LAMPS/WATTS	REMARKS
P-1	LITHONIA OR APPROVED EQUAL	KAD-LED-1-63B530/40K-SR2	LED	RECTILINEAR ONE PIECE ALUMINUM HOUSING WITH CLEAR TEMPERED GLASS LENS, TYPE II DISTRIBUTION AND DARK BRONZE FINISH MOUNTED ON 35'-0" HIGH ROUND TAPERED ALUMINUM POLE WITH ANCHOR BOLT NUT COVERS AND DARK BRONZE FINISH. 208V.
P-2	LITHONIA OR APPROVED EQUAL	KAD-LED-1-63B530/40K-SR3	LED	RECTILINEAR ONE PIECE ALUMINUM HOUSING WITH CLEAR TEMPERED GLASS LENS, TYPE III DISTRIBUTION AND DARK BRONZE FINISH MOUNTED ON 35'-0" HIGH ROUND TAPERED ALUMINUM POLE WITH ANCHOR BOLT NUT COVERS AND DARK BRONZE FINISH. 208V.
GR-3	LITHONIA OR EQUAL BY GENERAL ELECTRIC OR STONCO	KFL-175M-SP-208-YK	(1) 175W M.H.	CAST ALUMINUM FLOODLIGHT WITH ALUMINUM REFLECTOR, GASKETED CLEAR TEMPERED GLASS LENS, WET LOCATION LABEL, SPOT DISTRIBUTION AND DARK BRONZE FINISH. 208V. YOKE MOUNTED. REFER TO MOUNTING DETAIL ON THIS SHEET.
GR-4	LITHONIA OR EQUAL BY GENERAL ELECTRIC OR STONCO	KFL-175M-RW-208-YK	(1) 175W M.H.	CAST ALUMINUM FLOODLIGHT WITH ALUMINUM REFLECTOR, GASKETED CLEAR TEMPERED GLASS LENS, WET LOCATION LABEL, HORIZONTAL SPOT DISTRIBUTION AND DARK BRONZE FINISH. 208V. YOKE MOUNTED. REFER TO MOUNTING DETAIL ON THIS SHEET.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

REVISED:
ADDENDUM #3
MARCH 19, 2014
BULLETIN #1
APRIL 28, 2014

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ES020

EARLY ELECTRICAL SITE PLAN

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 062

REQUEST FOR INFORMATION

TO: Sands Decker CPS **DATE:** 22-Sep-14
ATTN: Jason Stevens **PAGE:** 1 of 1
EMAIL: jstevens@sandsdeckercps.com **DWG:**
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Concrete Encased Gas Line.

Please see below RFI from our Site Subcontractor.

Where the gas line crosses the pavement it calls out to be in a casing. This is to prevent the line from being crushed. Can we concrete incase the pipe in lieu of installing a casing?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 26-Sep-14
DISTRIBUTION: File, Tom Converse

REPLY (RETURN THIS SHEET WITH REPLY):
NO. PLEASE PROVIDE CASING AS SHOWN ON SITE DRAWINGS.

DATE OF REPLY: 09/23/2014 **SIGNED:** Gregory C. Topp

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

RDFA
Roger D. Fields & Associates • 4588 Kenny Road • Columbus, Ohio 43220-2777
Phone: (614) 451-2248 • Fax: (614) 451-6628
www.rdfa.com • Email: rogerfields@rdfa.com

ODOT Athens

BULLETIN

ELECTRICAL CONTRACT

ITEM 1. Sheet E021 (Permit Documents) "Electrical Site Plan": Relocate pole mounted light fixture with CCTV cameras located in gas easement to where shown on attached Sketch SK-E4

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 014A

REQUEST FOR INFORMATION

TO: RDFA, JGA and Sands Decker **DATE:** 15-Jul-14
ATTN: Greg Topp, Jason Stevens **PAGE:** 1 of 1
EMAIL: gtopp@rdfa.com, jstevens@sandsdeckercps **DWG:**
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Underground Service Feeders

Please see attached RFI from our electrical contractor.

U/G conduits for service feeder and genset are large conduits (4") with sweep 90's that require - 4' depth for proper installation, this pushes conduits into the footer depth or under the footer.

1. Under footer - This will require more excavation and compaction, possible steel support.

Under footer - AEP will only allow 4'-4" and the 2" metering conduits in the new service transformer secondary unless a secondary terminal cabinet is installed.

Please advise

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 18-Jul-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):
Extend spare conduits to edge of transformer pad and cap. Record location on record drawings.

DATE OF REPLY: 7/15/14 **SIGNED:** Christi Jewell

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 013A

REQUEST FOR INFORMATION

TO: Sands Decker & RDFA **DATE:** 15-Jul-14
ATTN: Jason Stevens, Greg Topp **PAGE:** 1 of 1
EMAIL: jstevens@sandsdeckercps.com **DWG:**
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Camera Pole Relocation

Please see attached RFI from our electrical contractor.

Per subcontractor meeting from 07/09/2014, a relocation for the camera pole was requested. This is intended to move pole west side of gas line easement and outside of drive paths and existing/new work.

AEP will only allow 4-4" and the 2" metering conduits in the new service transformer secondary unless a secondary terminal cabinet is installed.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 18-Jul-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):
A bulletin will be issued to relocate the pole and cameras.

DATE OF REPLY: 7/15/14 **SIGNED:** Christi Jewell

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 017A

REQUEST FOR INFORMATION

TO: RDFA **DATE:** 15-Jul-14
ATTN: Greg Topp & Christi Jewell **PAGE:** 1 of 3
EMAIL: gtopp@rdfa.com, cjewell@rdfa.com **DWG:** N/A
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Transformer Concrete Pad Conduit Entry

Please see attached RFI from our electrical contractor.

AEP is concerned about the spacing and available entry area on the secondary side of the transformer. Please see attached documents from AEP.

Can we deduct 1 or 2 of the spare conduits if AEP requests they be moved?

AEP will only allow 4-4" and the 2" metering conduits in the new service transformer secondary unless a secondary terminal cabinet is installed.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 18-Jul-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):
Extend spare conduits to edge of transformer pad and cap. Record location on record drawings.

DATE OF REPLY: 7/15/14 **SIGNED:** Christi Jewell

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)

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Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
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RFI # 013

REQUEST FOR INFORMATION

TO: RDFA, JGA and Sands Decker **DATE:** 14-Jul-14
ATTN: Greg Topp, Jason Stevens **PAGE:** 1 of 1
EMAIL: gtopp@rdfa.com, jstevens@sandsdeckercps **DWG:**
FR: German Gonzalez **SPEC:** N/A
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Underground Service Feeders

Please see attached RFI from our electrical contractor.

U/G conduits for service feeder and genset are large conduits (4") with sweep 90's that require - 4' depth for proper installation, this pushes conduits into the footer depth or under the footer.

Options are:
1. Under footer - This will require more excavation and compaction, possible steel support.
2. Through footer - This will require coordination with rebar steel and possible routing changes.
3. Above footer - This will require pull boxes or vaults to be installed under equipment to eliminate the need for sweeps 90's at large conduit locations.

Please advise

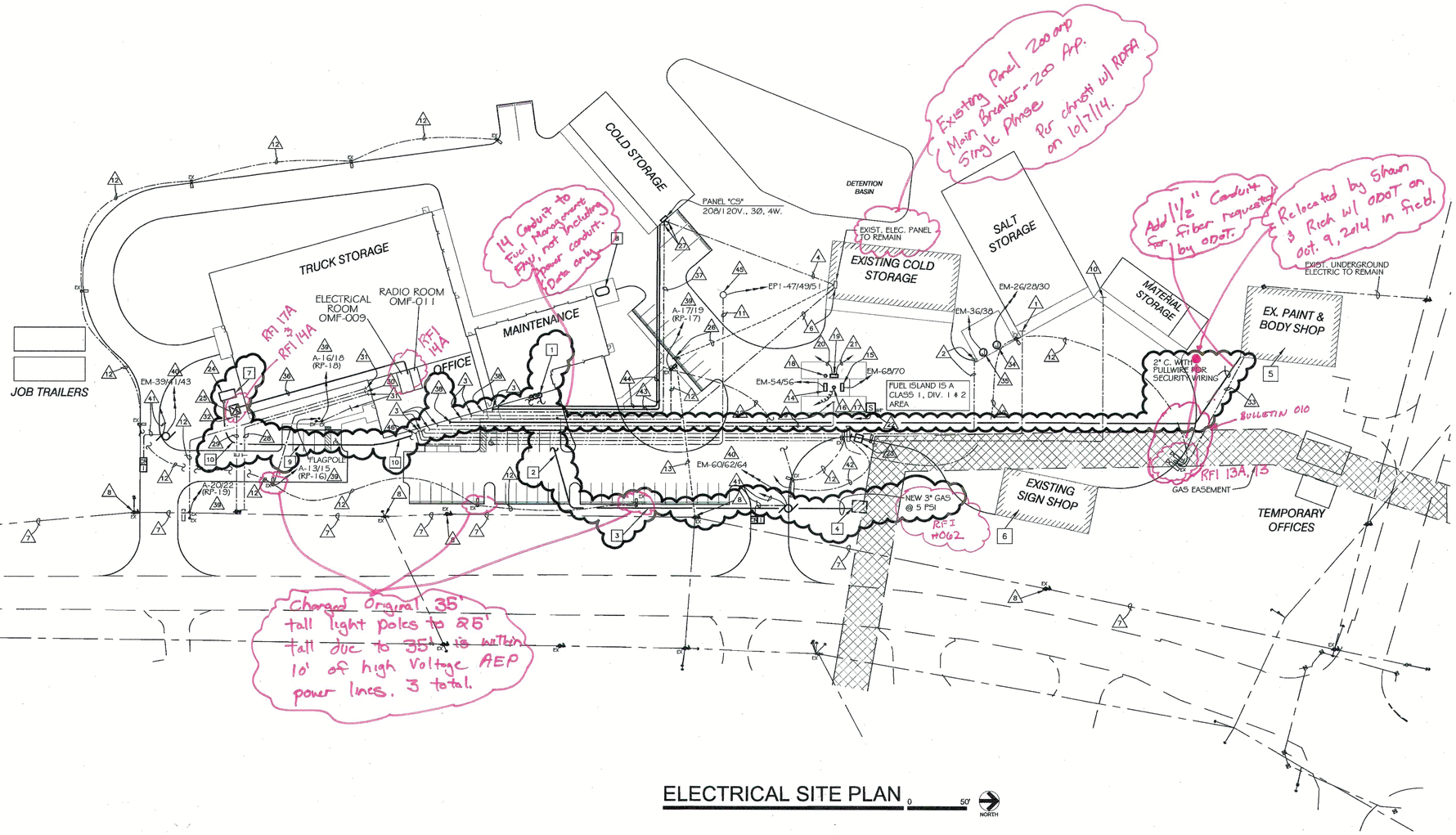
DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 11-Jul-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):
At 4' deep the conduits will be running under the wall footers. Refer to detail on sheet S001 for structural requirements to run conduits under footers.

DATE OF REPLY: June 10, 2014 **SIGNED:** Christi Jewell (RDFA)

FINAL DISTRIBUTION: File, Field

RFI.xls FM-PM-01 (03)



ELECTRICAL SITE PLAN

PLUMBING GENERAL NOTES

1. PAINT ALL EXPOSED PIPING.

PLUMBING CODED NOTES

1. GAS SERVICE RISER FOR BUILDING AND GAS GENERATOR. SEE GAS REGULATOR RISER DIAGRAM ON SHEET P501 FOR CONTINUATION. RISER SHALL MEET GAS COMPANY STANDARDS AND ALL 5 PSI THREADED STEEL PIPING SHALL BE WELDED.
2. ENCASE GAS PIPING IN 4" STEEL CASING BELOW PAVED AREA. CONTRACTOR SHALL USE SCRAP MDPE PIPING MATERIAL TO BUFFER THE PLASTIC GAS PIPING FROM THE STEEL CASING.
3. 3" MEDIUM DENSITY POLYETHYLENE GAS PIPING AT MIN. 30" BELOW GRADE. GAS PIPING PRIVATE SERVICE PRESSURE SHALL BE 5 PSI.
4. CONNECTION INTO EXISTING PRIVATE GAS SERVICE DOWNSTREAM OF THE SITE GAS HOUSE METER SET, EXTEND NEW 3" GAS LINE TO OUTSIDE OF GAS HOUSE, LOCKABLE SERVICE VALVE OUTSIDE OF GAS HOUSE, AND CONNECT INTO 3" GAS SERVICE RISER. RISER SHALL MEET GAS COMPANY STANDARDS AND ALL THREADED STEEL PIPING SHALL BE WELDED.
5. EXISTING WATER, SANITARY, AND GAS SERVICES TO REMAIN DURING CONSTRUCTION.
6. EXISTING GAS SERVICES TO REMAIN DURING CONSTRUCTION.
7. MAKE FINAL GAS CONNECTION TO GENERATOR. PROVIDE RISER, RISER SUPPORTS, SHUT-OFF VALVE, UNION, AND DIRT-LEG. RISER SHALL MEET GAS COMPANY STANDARDS.
8. WASHBAY OIL INTERCEPTOR SEE PLUMBING OIL INTERCEPTOR DETAIL ON SHEET P501.
9. ENCASE GAS PIPING IN 3" STEEL CASING BELOW PAVED AREA. CONTRACTOR SHALL USE SCRAP MDPE PIPING MATERIAL TO BUFFER THE PLASTIC GAS PIPING FROM THE STEEL CASING.
10. 2" MEDIUM DENSITY POLYETHYLENE GAS PIPING AT MIN. 30" BELOW GRADE. GAS PIPING PRIVATE SERVICE PRESSURE SHALL BE 14" W.C.

GENERAL NOTES

1. WHERE WIRE SIZE HAS BEEN INCREASED DUE TO VOLTAGE DROP COMPENSATION, PROVIDE PIGTAILS AT ELECTRICAL EQUIPMENT FOR WIRE TERMINATIONS.

ELECTRICAL CODED NOTES △

1. EXTEND EXISTING 2" CONDUIT TO SALT STORAGE AND PROVIDE WIRING AS INDICATED. REFER TO POWER RISER DIAGRAM ON SHEET E501 AND SALT STORAGE ELECTRICAL POWER PLAN ON SHEET E5201 FOR ADDITIONAL WORK.
2. PROVIDE X-#1/0, 1-#6 GRD., IN (1) EXISTING 2-1/2" CONDUIT FOR BRINE SYSTEM AIR COMPRESSOR, PUMP, HEATER AND LIGHTS. COORDINATE EXACT LOCATION OF ENCLOSURE CONNECTION POINT AND MAKE ALL FINAL CONNECTIONS. PROVIDE 3-#2, 1-#6 GRD., IN SECOND EXISTING 2-1/2" CONDUIT FOR CALCIUM DISPENSER SYSTEM WITH LIGHT BY OTHERS AND MAKE ALL FINAL CONNECTIONS. EXTEND EXISTING CONDUITS AS REQUIRED..
3. EXTEND EXISTING CONDUIT TO ELECTRICAL ROOM OMF-009.
4. PROVIDE WIRING IN EXISTING 2" CONDUIT TO FEED PANEL "CS" FROM EXISTING COLD STORAGE PANEL. EXTEND EXISTING CONDUIT AS REQUIRED AND MAKE FINAL CONNECTIONS. REFER TO POWER RISER DIAGRAM ON SHEET E501.
5. (NOT USED).
6. PROVIDE WIRING IN EXISTING 3" CONDUIT TO FEED POWER TO EXISTING PANEL IN THE EXISTING COLD STORAGE BUILDING. EXTEND EXISTING CONDUIT AS REQUIRED AND MAKE FINAL CONNECTIONS. REFER TO POWER RISER DIAGRAM ON SHEET E501.
7. EXISTING OVERHEAD UTILITY WIRING (TYP.).
8. EXISTING UTILITY POLE (TYP.).
9. EXISTING (4) 1-1/2" AND (4) 1" CONDUITS FOR FUEL ISLAND POWER AND CONTROL WIRING. EXTEND CONDUITS AS REQUIRED TO FUEL ISLAND CIRCUITS.
10. EXTEND EXISTING 2" CONDUIT TO MATERIAL STORAGE AND PROVIDE WIRING AS INDICATED. REFER TO POWER RISER DIAGRAM ON SHEET E501 AND MATERIAL STORAGE ELECTRICAL POWER PLAN ON SHEET EM201 FOR ADDITIONAL WORK.
11. EXISTING 1-1/2" CONDUIT FOR LIFT STATION.
12. EXISTING 1" CONDUIT FOR WITH PULLWIRE LIGHTING WIRING.
13. DISCONNECT AND REMOVE EXISTING OVERHEAD ELECTRICAL WIRING.
14. DIESEL PUMP 3/4 HP, 120/1 WITH INTEGRAL SWITCH. WIRE THRU SHUT-OFF CONTACTOR IN TIME KEEPER OMF-005 TO CIRCUIT INDICATED IN A 1" PVC CONDUIT.
15. GASOLINE PUMP 3/4 HP, 120/1 WITH INTEGRAL SWITCH. WIRE THRU SHUT-OFF CONTACTOR IN TIME KEEPER OMF-005 TO CIRCUIT INDICATED IN A 1" PVC CONDUIT.
16. PROVIDE 5/8Ø x 10'-0" LONG GROUND ROD AND GROUND FOR ABOVE GROUND FUEL STORAGE TANK. REFER TO GROUNDING ASSEMBLY DETAIL ON SHEET P4.
17. WIRE FUEL PRODUCT LEVEL GAUGE OVERFILL ALARM TO AUDIBLE OVERFILL ALARM ON ABOVE GROUND FUEL STORAGE TANK AS REQUIRED. REFER TO DETAILS ON SHEET P4.
18. PROVIDE 1" RGS CONDUIT BETWEEN MFMU AND FUEL DISPENSER FOR FUTURE PULSE AND PUMP CONTROL. VERIFY EXACT LOCATION PRIOR TO ROUGHING IN.
19. 12"x12"x6" DEEP CAST-IN-PLACE JUNCTION BOX WITH FLUSH COVER. STUB UP CONDUITS 4" INSIDE JUNCTION BOX FOR FUTURE MFMU. PLACE UNDER TANK ACCESS STAIR PLATFORM.
20. PROVIDE 1" RGS CONDUIT FROM MFMU TO TIME KEEPER ROOM A107 FOR FUTURE TANK MONITOR, PHONE, AND PRINTER CABLES.
21. PROVIDE 1" RGS CONDUIT TO PANEL "EM" FOR MFMU FUTURE POWER.
22. PROVIDE INTERCOM SPEAKER HORN AND 1" CONDUIT UNDERGROUND WITH WIRING TO TIME KEEPER OMF-005. VERIFY EXACT LOCATION OF SPEAKER HORN WITH OWNER PRIOR TO ROUGHING IN.
23. PROVIDE WEATHERPROOF PUSH-BUTTON SHUT-OFF SWITCH MOUNTED ON LIGHT POLE AT 5'-0" A.F.G., AND WIRE TO FUEL SHUT-OFF CONTACTOR IN TIME KEEPER OMF-005 AS REQUIRED. LABEL PUSH-BUTTON "FUEL SHUT-OFF". PROVIDE A MINIMUM 12"x12" SQUARE ENGRAVED RED LABEL WITH WITH 4" HIGH WHITE LETTERS MOUNTED ON POLE ABOVE PUSH-BUTTON KILL SWITCH SO THAT LABEL CAN BE READ FROM THE FUEL STATION. ROUTE WIRING AND CONDUIT THROUGH POLE BASE AND UP INSIDE POLE.
24. EMERGENCY GENERATOR. REFER TO SHEET E1201.
25. PADMOUNT TRANSFORMER 208/120V., 3Ø, 4W. BY POWER COMPANY. PROVIDE BOLLARDS. COORDINATE EXACT LOCATION OF PRIMARY AND SECONDARY CONDUITS WITH GAS, WATER, SANITARY, AND STORM LINES IN THIS AREA. REFER TO POWER RISER DIAGRAM ON SHEET E501.
26. DISCONNECT AND REMOVE EXISTING POLE AND OVERHEAD ELECTRICAL WIRING.
27. EXTEND EXISTING CONDUITS TO COLD STORAGE BUILDING ELECTRICAL PANELBOARD.
28. EXISTING (2) 4" CONDUITS FOR COMMUNICATION SERVICE CONDUITS. TELEPHONE COMPANY TO PROVIDE A MINIMUM OF 25 TWISTED PAIR OF COPPER CABLE.
29. EXISTING (2) 5" CONDUITS FOR PRIMARY ELECTRICAL SERVICE
30. EXTEND EXISTING CONDUITS TO TELEPHONE BOARD IN RADIO ROOM OMF-011.
31. EXTEND EXISTING CONDUITS TO PANELBOARD INDICATED IN ELECTRICAL ROOM OMF-009.
32. EXTEND EXISTING CONDUITS TO PADMOUNTED TRANSFORMER.
33. EXISTING 1-1/2" CONDUIT WITH PULLWIRE TO EXISTING PAINT AND BODY SHOP FOR CCTV CAMERA WIRING.
34. FOR BRINE SYSTEM 208/3.
35. FOR CALCIUM DISPENSER.
36. REFER TO POWER RISER DIAGRAM ON SHEET E501.
37. EXISTING 2" CONDUIT FOR USE BY OTHERS.
38. EXTEND EXISTING CONDUIT TO RADIO ROOM OMF-011.
39. WIRE THRU LOW VOLTAGE SWITCHING RELAY CABINET, USE CIRCUIT INDICATED. REFER TO LOW VOLTAGE SWITCHING RELAY CABINET SCHEDULE ASSOCIATED WITH THIS ROOM/AREA.
40. EXISTING 1-1/2" CONDUIT FOR POWER WIRING. EXTEND CONDUIT TO PANEL "EM" AS REQUIRED. MAKE ALL FINAL CONNECTIONS.
41. EXISTING 3" CONDUIT TO BUILDING FOR CONTROL WIRING AND (1) 1" CONDUIT TO CARD READER AND (1) 1" CONDUIT TO INTERCOM FOR CONTROL WIRING BY OTHERS.
42. EXISTING 1-1/2" CONDUIT FOR CCTV WIRING BY OTHERS.
43. PROVIDE 1" CONDUIT FOR EMERGENCY CIRCUIT TO COLD STORAGE BUILDING. REFER TO SHEET EC301.
44. PROVIDE 1" CONDUIT FOR OVERHEAD DOOR CONTROL WIRING.
45. FOR 7-1/2 HP 208/3 LIFT STATION. PROVIDE POWER WIRING TO CONTROL PANEL AND LOW VOLTAGE WIRING AS REQUIRED.
46. EXTEND EXISTING CONDUIT TO PANEL "EP1"

TM THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO PROFESSIONAL ENGINEERS REGISTERED G. C. TOPP 51988 M. L. YOUNG 43335

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014

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E021

SITE PLAN

2 WORKING DAYS
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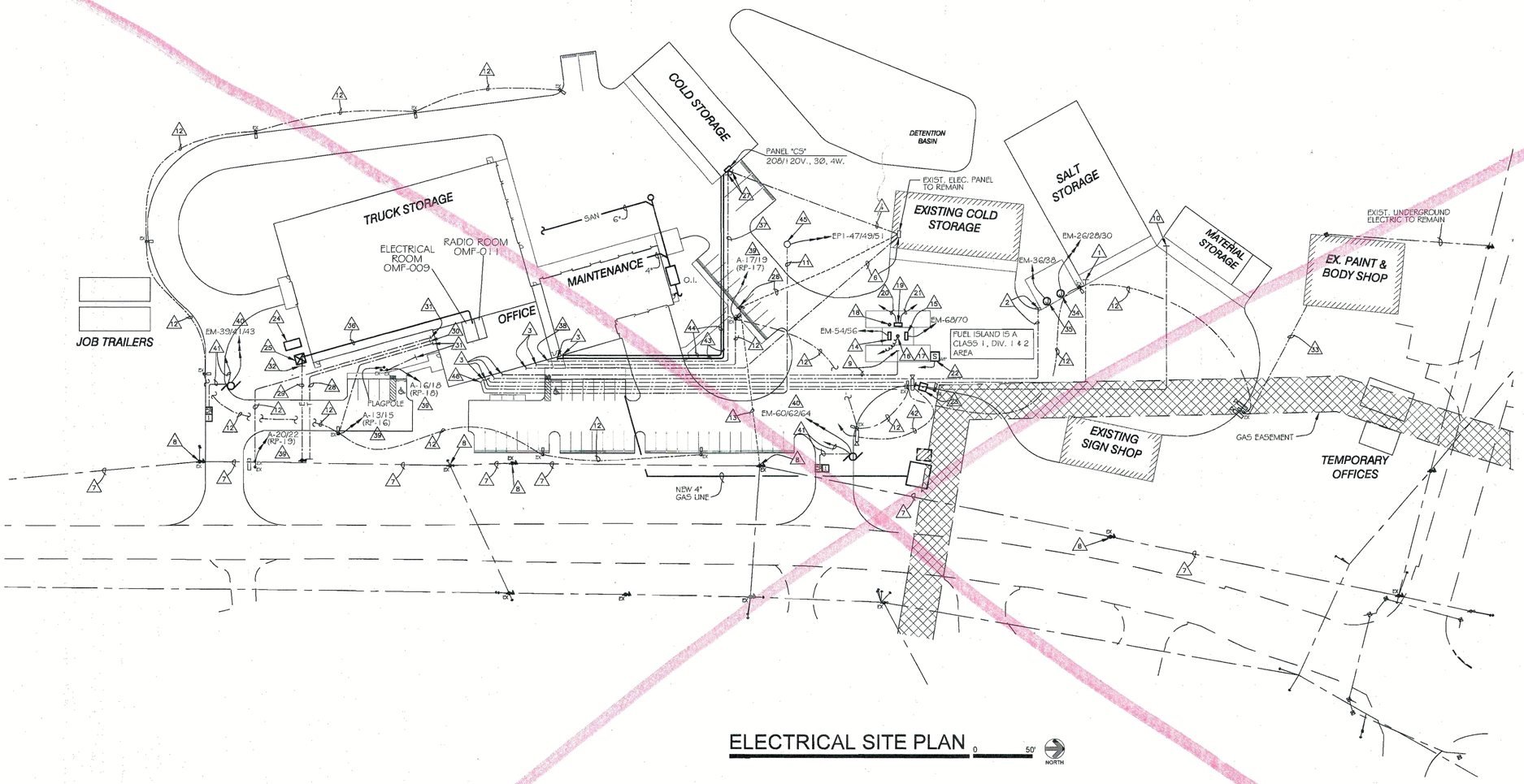
OHIO UTILITIES PROTECTION SERVICE



ELECTRICAL SITE PLAN

0 50' NORTH

GENERAL NOTES

1. WHERE WIRE SIZE HAS BEEN INCREASED DUE TO VOLTAGE DROP COMPENSATION, PROVIDE PIGTAILS AT ELECTRICAL EQUIPMENT FOR WIRE TERMINATIONS.

ELECTRICAL CODED NOTES △

1. EXTEND EXISTING 2" CONDUIT TO SALT STORAGE AND PROVIDE WIRING AS INDICATED. REFER TO POWER RISER DIAGRAM ON SHEET E501 AND SALT STORAGE ELECTRICAL POWER PLAN ON SHEET E5201 FOR ADDITIONAL WORK.
2. PROVIDE X-#1/0, 1-#6 GRD., IN (1) EXISTING 2-1/2" CONDUIT FOR BRINE SYSTEM AIR COMPRESSOR, PUMP, HEATER AND LIGHTS. COORDINATE EXACT LOCATION OF ENCLOSURE CONNECTION POINT AND MAKE ALL FINAL CONNECTIONS. PROVIDE 3-#2, 1-#6 GRD., IN SECOND EXISTING 2-1/2" CONDUIT FOR CALCIUM DISPENSER SYSTEM WITH LIGHT BY OTHERS AND MAKE ALL FINAL CONNECTIONS. EXTEND EXISTING CONDUITS AS REQUIRED..
3. EXTEND EXISTING CONDUIT TO ELECTRICAL ROOM OMF-009.
4. PROVIDE WIRING IN EXISTING 2" CONDUIT TO FEED PANEL "CS" FROM EXISTING COLD STORAGE PANEL. EXTEND EXISTING CONDUIT AS REQUIRED AND MAKE FINAL CONNECTIONS. REFER TO POWER RISER DIAGRAM ON SHEET E501.
5. (NOT USED).
6. PROVIDE WIRING IN EXISTING 3" CONDUIT TO FEED POWER TO EXISTING PANEL IN THE EXISTING COLD STORAGE BUILDING. EXTEND EXISTING CONDUIT AS REQUIRED AND MAKE FINAL CONNECTIONS. REFER TO POWER RISER DIAGRAM ON SHEET E501.
7. EXISTING OVERHEAD UTILITY WIRING (TYP).
8. EXISTING UTILITY POLE (TYP.).
9. EXISTING (4) 1-1/2" AND (4) 1" CONDUITS FOR FUEL ISLAND POWER AND CONTROL WIRING. EXTEND CONDUITS AS REQUIRED TO FUEL ISLAND CIRCUITS.
10. EXTEND EXISTING 2" CONDUIT TO MATERIAL STORAGE AND PROVIDE WIRING AS INDICATED. REFER TO POWER RISER DIAGRAM ON SHEET E501 AND MATERIAL STORAGE ELECTRICAL POWER PLAN ON SHEET EM201 FOR ADDITIONAL WORK.
11. EXISTING 1-1/2" CONDUIT FOR LIFT STATION.
12. EXISTING 1" CONDUIT FOR WITH PULLWIRE LIGHTING WIRING.
13. DISCONNECT AND REMOVE EXISTING OVERHEAD ELECTRICAL WIRING.
14. DIESEL PUMP 3/4 HP, 120/1 WITH INTEGRAL SWITCH. WIRE THRU SHUT-OFF CONTACTOR IN TIME KEEPER OMF-005 TO CIRCUIT INDICATED IN A 1" PVC CONDUIT.
15. GASOLINE PUMP 3/4 HP, 120/1 WITH INTEGRAL SWITCH. WIRE THRU SHUT-OFF CONTACTOR IN TIME KEEPER OMF-005 TO CIRCUIT INDICATED IN A 1" PVC CONDUIT.
16. PROVIDE 5/8"Ø x 10'-0" LONG GROUND ROD AND GROUND FOR ABOVE GROUND FUEL STORAGE TANK. REFER TO GROUNDING ASSEMBLY DETAIL ON SHEET P4.
17. WIRE FUEL PRODUCT LEVEL GAUGE OVERFILL ALARM TO AUDIBLE OVERFILL ALARM ON ABOVE GROUND FUEL STORAGE TANK AS REQUIRED. REFER TO DETAILS ON SHEET P4.
18. PROVIDE 1" RGS CONDUIT BETWEEN MPMU AND FUEL DISPENSER FOR FUTURE PULSE AND PUMP CONTROL. VERIFY EXACT LOCATION PRIOR TO ROUGHING IN.
19. 12"x12"x6" DEEP CAST-IN-PLACE JUNCTION BOX WITH FLUSH COVER. STUB UP CONDUITS 4" INSIDE JUNCTION BOX FOR FUTURE MPMU. PLACE UNDER TANK ACCESS STAIR PLATFORM.
20. PROVIDE 1" RGS CONDUIT FROM MPMU TO TIME KEEPER ROOM A107 FOR FUTURE TANK MONITOR, PHONE, AND PRINTER CABLES.
21. PROVIDE 1" RGS CONDUIT TO PANEL "EM" FOR MPMU FUTURE POWER.
22. PROVIDE INTERCOM SPEAKER HORN AND 1" CONDUIT UNDERGROUND WITH WIRING TO TIME KEEPER OMF-005. VERIFY EXACT LOCATION OF SPEAKER HORN WITH OWNER PRIOR TO ROUGHING IN.
23. PROVIDE WEATHERPROOF PUSH-BUTTON SHUT-OFF SWITCH MOUNTED ON LIGHT POLE AT 5'-0" A.F.G., AND WIRE TO FUEL SHUT-OFF CONTACTOR IN TIME KEEPER OMF-005 AS REQUIRED. LABEL PUSH-BUTTON "FUEL SHUT-OFF". PROVIDE A MINIMUM 12"x12" SQUARE ENGRAVED RED LABEL WITH WITH 4" HIGH WHITE LETTERS MOUNTED ON POLE ABOVE PUSH-BUTTON KILL SWITCH SO THAT LABEL CAN BE READ FROM THE FUEL STATION. ROUTE WIRING AND CONDUIT THROUGH POLE BASE AND UP INSIDE POLE.
24. EMERGENCY GENERATOR. REFER TO SHEET E7201.
25. PADMOUNT TRANSFORMER 208/120V., 3Ø, 4W. BY POWER COMPANY. PROVIDE BOLLARDS. COORDINATE EXACT LOCATION OF PRIMARY AND SECONDARY CONDUITS WITH GAS, WATER, SANITARY, AND STORM LINES IN THIS AREA. REFER TO POWER RISER DIAGRAM ON SHEET E501.
26. DISCONNECT AND REMOVE EXISTING POLE AND OVERHEAD ELECTRICAL WIRING.
27. EXTEND EXISTING CONDUITS TO COLD STORAGE BUILDING ELECTRICAL PANELBOARD.
28. EXISTING (2) 4" CONDUITS FOR COMMUNICATION SERVICE CONDUITS. TELEPHONE COMPANY TO PROVIDE A MINIMUM OF 25 TWISTED PAIR OF COPPER CABLE.
29. EXISTING (2) 5" CONDUITS FOR PRIMARY ELECTRICAL SERVICE
30. EXTEND EXISTING CONDUITS TO TELEPHONE BOARD IN RADIO ROOM OMF-011.
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32. EXTEND EXISTING CONDUITS TO PADMOUNTED TRANSFORMER.
33. EXISTING 1-1/2" CONDUIT WITH PULLWIRE TO EXISTING PAINT AND BODY SHOP FOR CCTV CAMERA WIRING.
34. FOR BRINE SYSTEM 208/3.
35. FOR CALCIUM DISPENSER.
36. REFER TO POWER RISER DIAGRAM ON SHEET E501.
37. EXISTING 2" CONDUIT FOR USE BY OTHERS.
38. EXTEND EXISTING CONDUIT TO RADIO ROOM OMF-011.
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40. EXISTING 1-1/2" CONDUIT FOR POWER WIRING. EXTEND CONDUIT TO PANEL "EM" AS REQUIRED. MAKE ALL FINAL CONNECTIONS.
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42. EXISTING 1-1/2" CONDUIT FOR CCTV WIRING BY OTHERS.
43. PROVIDE 1" CONDUIT FOR EMERGENCY CIRCUIT TO COLD STORAGE BUILDING. REFER TO SHEET EC301.
44. PROVIDE 1" CONDUIT FOR OVERHEAD DOOR CONTROL WIRING.
45. FOR 7-1/2 HP 208/3 LIFT STATION. PROVIDE POWER WIRING TO CONTROL PANEL AND LOW VOLTAGE WIRING AS REQUIRED.
46. EXTEND EXISTING CONDUIT TO PANEL "EP1"

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

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E021

ELECTRICAL SITE PLAN

Roger D. Fields & Associates • 4588 Kenny Road • Columbus, Ohio 43220-2777
Phone: (614) 451-2248 • Fax: (614) 451-6628
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ODOT Athens

BULLETIN

ELECTRICAL CONTRACT

ITEM 1. Sheet E501 "Electrical Schedules":

A. Power Riser Diagram: Replace existing 208/120V., 3 phase, 3 wire panel in Existing Cold Storage building as shown on attached drawing.

THOMAS & MARKER CONSTRUCTION
2031 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 020

REQUEST FOR INFORMATION

TO: RDFA **DATE:** 15-Jul-14
ATTN: Greg Topp & Christi Jewell **PAGE:** 1 of 1
EMAIL: gtopp@rdfa.com, cjewell@rdfa.com **DWG:** N/A
FR: German Gonzalez **SPEC:** 260526
PROJ: Athens ODOT Full Service Maintenance Facility
REF: Grounding

Please see attached RFI from our electrical contractor.

Drawings show one ground rod with leads to rebar, water, gas and main service gear. Spec section 260526 states multiple grounding electrodes and multiple grounded items. Electrical inspector stated that gas piping shall not be used as an electrode and shall use #electrode conductor. Foundation ground shall be in one location only, water bond shall be one location only and service gear electrode shall be on the service gear.

Item 1.02 (G), 1-12E and (H), what do we need to install for this items? since there are no specs or details.

Item 1.02 (C) & (D), There is no driven ground rod system shown on the plans, and the inspector states all metal will be bonded together so only one connection is required.

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 18-Jul-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

A bulletin will be issued to clarify the gas piping bonding.

Ground all items that apply to this project per common electrical practices.

Refer to RFI #018 response for perimeter ground rod system.

DATE OF REPLY: 7/15/14 **SIGNED:** Christi Jewell

FINAL DISTRIBUTION: File, Field

LOW VOLTAGE SWITCHING RELAY CABINET "RP"

RELAY	CIRCUIT	WATTS	LOAD	CONTROL
1	EM-37	340	PARTS RM/MECHANICS OFFICE LTG.	LV. SWITCH
2	EM-17	1400	CONTACTOR "C6"	(3) LV. SWITCHES
3	EM-19	1440	CONTACTOR "C7"	(3) LV SWITCHES
4	EM-33	1440	CONTACTOR "C8"	(3) LV. SWITCHES
5	EM-46	1368	WASH BAY LTG.	WP (4) SWITCHES
6	A-9	1440	CONTACTOR "C2"	LV. SWITCH
7	A-11	1440	CONTACTOR "C3"	LV. SWITCH
8	A-12	1440	CONTACTOR "C4"	(2) LV. SWITCHES
9	A-14	1440	CONTACTOR "C5"	(2) LV. SWITCHES
10	B-19	174	CORRIDOR LTG.	(2) LV. SWITCHES
11	B-21	37	STORAGE OMF-020	LV. SWITCH
12	B-21	37	STORAGE OMF-020	LV. SWITCH
13	B-21	285	CORRIDOR LTG.	(2) LV. SWITCH
14	EM-61	170	SUPERVISOR OFFICE LTG.	LV. SWITCH
15	EM-61	255	RADIO ROOM LTG.	LV. SWITCH
16	A-13/15	896	PARKING/DRIVEWAY LTG.	TIMECLOCK/PHOTOCELL
17	A-17/19	560	PARKING/DRIVEWAY LTG.	TIMECLOCK/PHOTOCELL
18	A-16/18	430	FLAG POLE LTG.	TIMECLOCK/PHOTOCELL
19	A-20/22	430	SIGN LTG.	TIMECLOCK/PHOTOCELL
20	LS-8	738	COLD STORAGE BLDG.	TIMECLOCK/PHOTOCELL
21	LS-10	195	BLDG. MTD. LTG.	TIMECLOCK/PHOTOCELL
22	EM-29	504	VEHICLE MAINT. BLDG. MTD. LTG.	TIMECLOCK/PHOTOCELL
23	EM-66	216	TRUCK STORAGE BLDG. MTD. LTG.	TIMECLOCK/PHOTOCELL
24	-	-	SPACE	-
25	-	-	SPACE	-
26	-	-	SPACE	-
27	-	-	SPACE	-
28	-	-	SPACE	-
29	-	-	SPACE	-
30	-	-	SPACE	-
31	-	-	SPACE	-
32	-	-	SPACE	-

LIGHTING FIXTURE SCHEDULE

MOUNTING CODED: CL – CEILING MOUNTED, CH – CHAIN HUNG, W – WALL MOUNTED, R – RECESSED, S – STEM MOUNTED, UC – UNDER CABINET, CV – COVE MOUNTED, TR – TRACK MOUNTED, B – BOLLARD, GR – GRADE MOUNTED, P – POLE MOUNTED

NOTES: FIXTURES SHALL INCLUDE CBM/ETL PREMIUM BALLASTS, LENSES, CANOPIES AND ACCESSORIES COMPATIBLE WITH CEILING CONSTRUCTION. UNLESS NOTED OTHERWISE, ALL FIXTURES AND LAMPS TO BE 120 VOLTS.

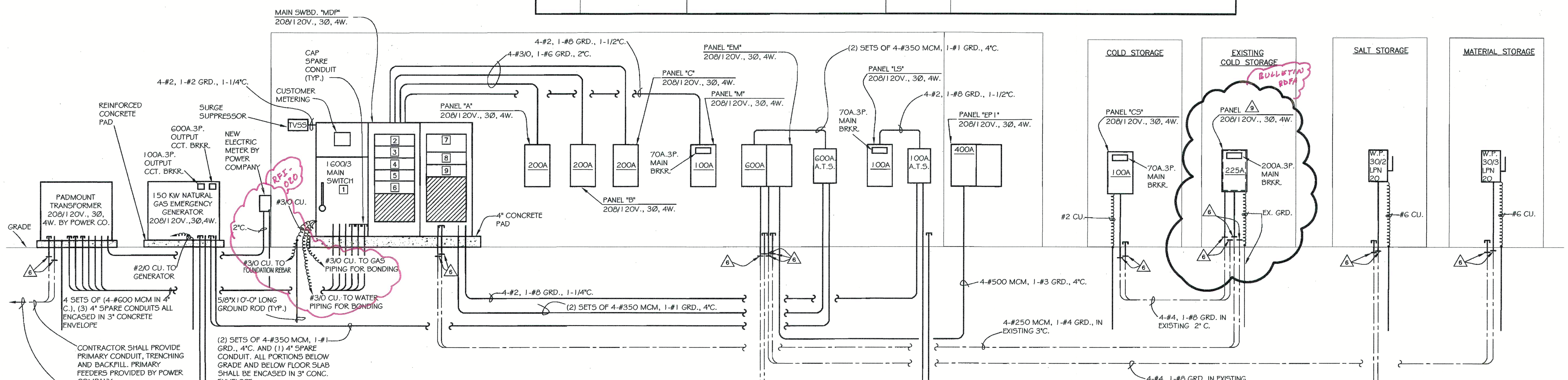
	MANUFACTURERS	CATALOG NO.	LAMPS/WATTS	REMARKS
CL–1 W–1	LITHONIA OR APPROVED EQUAL	LQCW1R–120/277–ELN	BY MFR.	DIE–CAST ALUMINUM BATTERY–OPERATED L.E.D. EXIT LIGHT WITH 6" HIGH RED STENCIL LETTERS AND WHITE FINISH. PROVIDE NUMBER OF FACES SHOWN ON THE DRAWINGS. 120V. W–1: MOUNTED ABOVE DOOR, OR AT HEIGHT NOTED.
R–2	LITHONIA OR APPROVED EQUAL	2GT8–232–A12–120–GEB–GLR	(2) F032/735	2'X4' LAY–IN TROFFER WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
R–3	LITHONIA OR APPROVED EQUAL	2GT8–332–A12–120–GEB–GLR	(3) F032/735	2'X4' LAY–IN TROFFER WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
W–4	LITHONIA OR APPROVED EQUAL	VDC–232–GEB10IS–MVOLT–GEB–GLR	(2) F032/735	4'–0" LONG ENCLOSED AND GASKETED CORNER MOUNT WET LOCATION FLUORESCENT WITH CLEAR POLYCARBONATE LENS AND ELECTRONIC BALLAST. 120V.
W–5 W–5A	LITHONIA OR APPROVED EQUAL	TWHLED–30C–100050K–T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W–5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
CL–6	LITHONIA OR APPROVED EQUAL	2SB–232–120–GEB–GLR	(2) F032/735	4'–0" LONG WIDE BODY WRAPAROUND FLUORESCENT WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
CL–7	LITHONIA OR APPROVED EQUAL	FGB24–6–54T5HO–N1–D20–PCL125WG–MVOLT–2/3–GEB10IS–LP841	(6) F054/835	2'x4' 6–LAMP FLUORESCENT HIGH BAY FIXTURE WITH SOLID TOP HOUSING, CLEAR ACRYLIC LENS, FUSE, AND WIRE GUARD. PROVIDE (2) 3–LAMP 10% THD ELECTRONIC BALLASTS, (2) TONG HANGERS, AND SAFTY SAFETY CABLE. MOUNT LIGHT FIXTURE TO STRUCTURE. 120V.
R–8	LITHONIA OR APPROVED EQUAL	LP6F–32TRT–120–GEB10–6LD1–PF	(1) F32TBX/SPX41/A/4P	GASKETED FLUORESCENT SHOWER LIGHT WITH DROP OPAL POLYCARBONATE LENS, WHITE PLASTIC FLANGE, HIGH POWER FACTOR ELECTRONIC BALLAST, AND WET LOCATION LABEL. 120V.
R–9	LITHONIA OR APPROVED EQUAL	AFV–32TRT–8AR–120–GEB	(1) F32TRT/3500K	FLUORESCENT DOWNLIGHT WITH CLEAR SPECULAR LOW IRIDESCENT SELF TRIMMING REFLECTOR AND ELECTRONIC BALLAST. 120V.
CL–10	LITHONIA OR APPROVED EQUAL	EJA–232–120–GEB–GLR	(2) F032/735	4'–0" LONG INDUSTRIAL FLUORESCENT WITH APERTURED UPLIGHT REFLECTOR AND ELECTRONIC BALLAST. 120V.
CL–11	LITHONIA OR APPROVED EQUAL	VR1–2–54T5HO–MVOLT–GEB10PS	(2) F054/835	4'–0" LONG ENCLOSED AND GASKTED FLUORESCENT WITH WET LOCATION LABEL AND COLD WEATHER BALLAST. 120V. 120V.
W–12	LITHONIA OR APPROVED EQUAL	ELM618	BY MFR.	BATTERY–OPERATED EMERGENCY LIGHT WITH WHITE FINISH, 2 HEADS, AND REMOTE POWER CAPABILITY MOUNTED AT HEIGHT NOTED. 120V.
W–13	LITHONIA OR APPROVED EQUAL	TWHLED–10C–100050K–T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W–5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
W–14	LITHONIA OR APPROVED EQUAL	LV–S–W–R–120/277–ELN–UM–CW	BY MFR.	DIE–CAST ALUMINUM BATTER–OPERATED L.E.D. EXIST LIGHT WITH 6" HIGH RED STENCIL LETTERS, WHITE FINISH, COLD TEMPERATURE, AND WET LOCATION LABEL. 120V.
W–15	LITHONIA OR APPROVED EQUAL	TWHLED–20C–100050K–T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W–5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
W–16	LITHONIA OR APPROVED EQUAL	DSXF3LED–6–A530/50K–WFL–MVOLT–DDBXD –WG/FRWB	530MA 5000K LED	WALL MOUNTED LED FLOOD LIGHT WITH WIREGUARD AND BRONZE FINISH. PROVIDE RIGHT ANGLE TENON MOUNTING ARM AND ALL ACCESSORIES TO MAKE FIXTURE FULLY ADJUSTABLE. 120V.
CL–17	LITHONIA OR APPROVED EQUAL	VDS–232–GEB10IS–MVOLT–GEB–GLR	(2) F032/735	4'–0" LONG ENCLOSED AND GASKETED WET LOCATION FLUORESCENT WITH CLEAR POLYCARBONATE LENS AND ELECTRONIC BALLAST. 120V.
CL–18	LITHONIA OR APPROVED EQUAL	2M–232–A12125–MVOLT–GEB10PS	(2) F032/735	2'X4' SURFACE–MOUNTED FLUORESCENT. 120V.
CL–19	LITHONIA OR APPROVED EQUAL	2M–332–A12125–MVOLT–GEB10PS	(3) F032/735	2'X4' SURFACE–MOUNTED FLUORESCENT. 120V.

ELECTRICAL SYMBOLS

1. ALL SYMBOLS MAY NOT APPLY.
2. MOUNTING HEIGHT (M.H.) IS TO CENTERLINE OF DEVICE.
3. MOUNTING HEIGHT ON PLAN SUPERSEDES THIS SCHEDULE.
4. RTD: REFER TO DRAWING.
5. ADJUST MOUNTING HEIGHTS OF DEVICES WHICH PROTRUDE MORE THAN 4" IN CORRIDORS AND WALKWAYS NECESSARY TO MEET A.D.A. CLEARANCE RESTRICTIONS.

SYMBOL	ITEM	M.H.
	FLUORESCENT FIXTURE	
	(2) LAMPS ON EMERGENCY CIRCUIT	
	CEILING MOUNTED FIXTURE	
	WALL–MOUNTED FIXTURE	RTD
	EXIT LIGHT W/DIRECTION ARROW	
\$ \$3 \$4 \$K \$P	SWITCH, 3–WAY, 4–WAY, KEY, PILOT	48"
\$LV	SWITCH, LOW VOLTAGE	48"
\$PB	PUSHBUTTON SWITCH	48"
	WALL DIMMER, 3–WAY	48"
	DUPLEX RECEPT.; QUADRUPLEX	18"
	FLOOR RECEPT.; FLOOR TELEPHONE	
	TELEPHONE OUTLET	18"
	TELEPHONE/DATA OUTLET	18"
	DATA OUTLET	18"
—T—	TELEPHONE CONDUIT	
30A	30 AMP, 208V. OUTLET	18"
	SPECIAL POWER OUTLET	18"
	JUNCTION BOX	RTD
	SINGLE–PHASE MOTOR	
	THREE–PHASE MOTOR	
	SINGLE RECEPT.	18"
	MAGNETIC STARTER	
	COMBINATION STARTER/DISCONNECT SWITCH	48"
	DISCONNECT SWITCH INTERIOR	48"
	DISCONNECT SWITCH EXTERIOR	36"
S	SPEED CONTROLLER	48"
	THERMOSTAT	48"
	REVERSE ACTING THERMOSTAT	48"
	POWER PANEL OR SWITCHBOARD	
	LIGHTING PANEL	
	WIRING ABOVE CEILING OR IN JOIST SPACE	
	WIRING UNDER FLOOR OR IN WALL	
A–1/3	HOME RUN TO PANEL "A", 2–POLE BRKR.	
—EM—	EMERGENCY CIRCUIT	
F	MANUAL FIRE ALARM PULL STATION	48"
H	AUDIO ALARM HORN	80"
	AUDIO/VISUAL ALARM HORN	80"
B	AUDIO ALARM BELL	80"
	AUDIO/VISUAL ALARM BELL	80"
V	VISUAL ALARM STROBE	80"
SM D	DUCT SMOKE DETECTOR	

SYMBOL	ITEM	M.H.
H	HEAT DETECTOR	
DH	MAGNETIC DOOR HOLD–OPEN DEVICE	RTD
WF	WATER FLOW SWITCH	
SS	SUPERVISORY SWITCH	
PS	PRESSURE SWITCH	
TS	TAMPER SWITCH	
SM 2	CEILING SMOKE DETECTOR, ZONE 2	
—FA—	FIRE ALARM SYSTEM CONDUIT	
F.A.C.P.	FIRE ALARM CONTROL PANEL	
TV	TV OUTLET	18"
—TV—	TV SYSTEM CONDUIT	
	CLOCK OUTLET	80"
	CLOCK	80"
—C—	CONTROL WIRING	
I M	INTERCOM MASTER	RTD
I	INTERCOM STAFF STATION	48"
—I—	INTERCOM SYSTEM CONDUIT	
S	SPEAKER HORN	RTD
VC	VOLUME CONTROL	48"
M	MICROPHONE JACK	RTD
B	BUZZER	80"
LV	LOW VOLTAGE TRANSFORMER	RTD
—S—	SOUND SYSTEM CONDUIT	
P	PROGRAM BELL	80"
W.P.	WEATHERPROOF	
W.L.	WET LOCATION	
CCT.	CIRCUIT	
G.F.I.	GROUND FAULT INTERRUPTER	
	SWITCHED LOADS, WIRING & CONDUIT	
	PUSH–BUTTON STATION	48"
E	LIGHT OR DEVICE ON EMERG. CIRCUIT	
	EXISTING LIGHT, DEVICE OR SWITCH	
\$R	RELOCATED EXISTING DEVICE	
	EXISTING WIRING TO REMAIN	
	ITEM TO BE REMOVED	
C.O.	CARBON MONOXIDE DETECTOR	RTD
W	WELDER RECEPTACLE	RTD
	CCTV CAMERA, FIXED, PAN/TILT/ZOOM	RTD
	DOOR CONTACT	
	SECURITY GLASS BREAK	
MD	SECURITY MOTION DETECTOR	84"
CR	CARD READER	48"



POWER RISER DIAGRAM

0 NTS

ELECTRICAL GENERAL NOTES

1. REFER TO MAIN SWITCHBOARD SCHEDULE FOR FEEDERS AND CONDUIT SIZES NOT INDICATED ON POWER RISER DIAGRAM.
2. CONTRACTOR SHALL SUBMIT A SCALED COORDINATION DRAWING (PLAN AND ELEVATION) OF ALL EQUIPMENT SHOWN ON RISER DIAGRAM.
3. COORDINATE THE SIZE OF TELEPHONE DEMARCATION BOX WITH TELEPHONE COMPANY.
4. FOR UNDERGROUND CONDUIT SEALING REFER TO DETAILS ON SHEET E4.
5. CONTRACTOR TO PROVIDE SHIELD OVER SWITCHBOARD.
6. EXTEND EXISTING CONDUIT AS SHOWN.
7. GROUNDING ELECTRODE SYSTEM TO OBTAIN A LOW IMPEDANCE OF 25 OHM OR LESS.
8. PROVIDE 70A 3P. CIRCUIT BREAKER IN EXISTING PANEL SPACE FOR NEW COLD STORAGE BUILDING.
9. DISCONNECT, REMOVE, AND REPLACE EXISTING 200 AMP 208/120V., 1PH., 3W. PANELBOARD WITH A NEW NEMA 3R 208/120V., 3PH, 4W. PANELBOARD WITH MAIN BREAKER WITH SAME NUMBER AND SIZE BREAKERS AS EXISTING AND RECONNECT EXISTING CIRCUITS AS REQUIRED.

THOMAS & MARKER CONSTRUCTION

STATE OF OHIO
G. C. TOPP
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014
PL RFI# 015 AUGUST 8, 2014
PL RFI# 057 SEPTEMBER 3, 2014
REVISED STACK SEPTEMBER 30, 2014

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E501

ELECTRICAL SCHEDULES

LOW VOLTAGE SWITCHING RELAY CABINET "RP"

RELAY	CIRCUIT	WATTS	LOAD	CONTROL
1	EM-37	340	PARTS RM/MECHANICS OFFICE LTG.	LV. SWITCH
2	EM-17	1400	CONTACTOR "C6"	(3) LV. SWITCHES
3	EM-19	1440	CONTACTOR "C7"	(3) LV SWITCHES
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27	-	-	SPACE	-
28	-	-	SPACE	-
29	-	-	SPACE	-
30	-	-	SPACE	-
31	-	-	SPACE	-
32	-	-	SPACE	-

LIGHTING FIXTURE SCHEDULE

MOUNTING CODED: CL – CEILING MOUNTED; CH – CHAIN HUNG; W – WALL MOUNTED; R – RECESSED; S – STEM MOUNTED; UC – UNDER CABINET; CV – COVE MOUNTED; TR – TRACK MOUNTED; B – BOLLARD; GR – GRADE MOUNTED; P – POLE MOUNTED

NOTES: FIXTURES SHALL INCLUDE CBM/ETL PREMIUM BALLASTS, LENSES, CANOPIES AND ACCESSORIES COMPATIBLE WITH CEILING CONSTRUCTION. UNLESS NOTED OTHERWISE, ALL FIXTURES AND LAMPS TO BE 120 VOLTS.

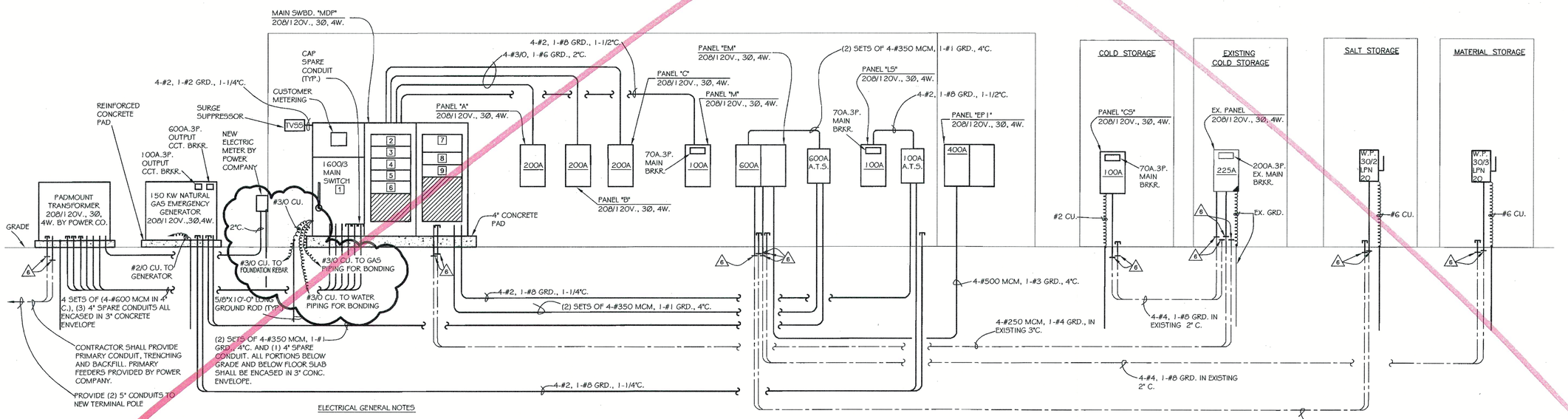
	MANUFACTURERS	CATALOG NO.	LAMPS/WATTS	REMARKS
CL–1 W–1	LITHONIA OR APPROVED EQUAL	LQCW1R–120/277–ELN	BY MFR.	DIE–CAST ALUMINUM BATTERY–OPERATED L.E.D. EXIT LIGHT WITH 6" HIGH RED STENCIL LETTERS AND WHITE FINISH. PROVIDE NUMBER OF FACES SHOWN ON THE DRAWINGS. 120V. W–1: MOUNTED ABOVE DOOR, OR AT HEIGHT NOTED.
R–2	LITHONIA OR APPROVED EQUAL	2GT8–232–A12–120–GEB–GLR	(2) FO32/735	2'X4' LAY–IN TROFFER WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
R–3	LITHONIA OR APPROVED EQUAL	2GT8–332–A12–120–GEB–GLR	(3) FO32/735	2'X4' LAY–IN TROFFER WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
W–4	LITHONIA OR APPROVED EQUAL	VDC–232–GEB10IS–MVOLT–GEB–GLR	(2) FO32/735	4'–0" LONG ENCLOSED AND GASKETED CORNER MOUNT WET LOCATION FLUORESCENT WITH CLEAR POLYCARBONATE LENS AND ELECTRONIC BALLAST. 120V.
W–5 W–5A	LITHONIA OR APPROVED EQUAL	TWHLED–30C–100050K–T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W–5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
CL–6	LITHONIA OR APPROVED EQUAL	2SB–232–120–GEB–GLR	(2) FO32/735	4'–0" LONG WIDE BODY WRAPAROUND FLUORESCENT WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
CL–7	LITHONIA OR APPROVED EQUAL	FG824–6–54T5HO–N1–D20–PCL125WG–MVOLT–2/3–GEB10IS–LP841	(6) FO54/835	2'x4' 6–LAMP FLUORESCENT HIGH BAY FIXTURE WITH SOLID TOP HOUSING, CLEAR ACRYLIC LENS, FUSE, AND WIRE GUARD. PROVIDE (2) 3–LAMP 10% THD ELECTRONIC BALLASTS, (2) TONG HANGERS, AND SAFTY SAFETY CABLE. MOUNT LIGHT FIXTURE TO STRUCTURE. 120V.
R–8	LITHONIA OR APPROVED EQUAL	LP6F–32TRT–120–GEB10–6LD1–PF	(1) F32TBX/SPX41/A/4P	GASKETED FLUORESCENT SHOWER LIGHT WITH DROP OPAL POLYCARBONATE LENS, WHITE PLASTIC FLANGE, HIGH POWER FACTOR ELECTRONIC BALLAST, AND WET LOCATION LABEL. 120V.
R–9	LITHONIA OR APPROVED EQUAL	AFV–32TRT–BAR–120–GEB	(1) F32TRT/3500K	FLUORESCENT DOWNLIGHT WITH CLEAR SPECULAR LOW IRIDESCENT SELF TRIMMING REFLECTOR AND ELECTRONIC BALLAST. 120V.
CL–10	LITHONIA OR APPROVED EQUAL	EJA–232–120–GEB–GLR	(2) FO32/735	4'–0" LONG INDUSTRIAL FLUORESCENT WITH APERTURED UPLIGHT REFLECTOR AND ELECTRONIC BALLAST. 120V.
CL–11	LITHONIA OR APPROVED EQUAL	VRT–2–54T5HO–MVOLT–GEB10PS	(2) F054/835	4'–0" LONG ENCLOSED AND GASKETED FLUORESCENT WITH WET LOCATION LABEL AND COLD WEATHER BALLAST. 120V. 120V.
W–12	LITHONIA OR APPROVED EQUAL	ELM618	BY MFR.	BATTERY–OPERATED EMERGENCY LIGHT WITH WHITE FINISH, 2 HEADS, AND REMOTE POWER CAPABILITY MOUNTED AT HEIGHT NOTED. 120V.
W–13	LITHONIA OR APPROVED EQUAL	TWHLED–10C–100050K–T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W–5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
W–14	LITHONIA OR APPROVED EQUAL	LV–S–W–R–120/277–ELN–UM–CW	BY MFR.	DIE–CAST ALUMINUM BATTER–OPERATED L.E.D. EXIST LIGHT WITH 6" HIGH RED STENCIL LETTERS, WHITE FINISH, COLD TEMPERATURE, AND WET LOCATION LABEL. 120V.
W–15	LITHONIA OR APPROVED EQUAL	TWHLED–20C–100050K–T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W–5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
W–16	LITHONIA OR APPROVED EQUAL	DSXF3LED–6–A530/50K–WFL–MVOLT–DDBXD –WG/FRWB	530MA 5000K LED	WALL MOUNTED LED FLOOD LIGHT WITH WIREGUARD AND BRONZE FINISH. PROVIDE RIGHT ANGLE TENON MOUNTING ARM AND ALL ACCESSORIES TO MAKE FIXTURE FULLY ADJUSTABLE. 120V.
CL–17	LITHONIA OR APPROVED EQUAL	VDS–232–GEB10IS–MVOLT–GEB–GLR	(2) FO32/735	4'–0" LONG ENCLOSED AND GASKETED WET LOCATION FLUORESCENT WITH CLEAR POLYCARBONATE LENS AND ELECTRONIC BALLAST. 120V.
CL–18	LITHONIA OR APPROVED EQUAL	2M–232–A12125–MVOLT–GEB10PS	(2) FO32/735	2'X4' SURFACE–MOUNTED FLUORESCENT. 120V.
CL–19	LITHONIA OR APPROVED EQUAL	2M–332–A12125–MVOLT–GEB10PS	(3) FO32/735	2'X4' SURFACE–MOUNTED FLUORESCENT. 120V.

ELECTRICAL SYMBOLS

1. ALL SYMBOLS MAY NOT APPLY.
2. MOUNTING HEIGHT (M.H.) IS TO CENTERLINE OF DEVICE.
3. MOUNTING HEIGHT ON PLAN SUPERSEDES THIS SCHEDULE.
4. RTD: REFER TO DRAWING.
5. ADJUST MOUNTING HEIGHTS OF DEVICES WHICH PROTRUDE MORE THAN 4" IN CORRIDORS AND WALKWAYS NECESSARY TO MEET A.D.A. CLEARANCE RESTRICTIONS.

SYMBOL	ITEM	M.H.
	FLUORESCENT FIXTURE	
	(2) LAMPS ON EMERGENCY CIRCUIT	
	CEILING MOUNTED FIXTURE	
	WALL–MOUNTED FIXTURE	RTD
	EXIT LIGHT W/DIRECTION ARROW	
S S_3 S_4 S_{KP}	SWITCH, 3–WAY, 4–WAY, KEY, PILOT	48"
S_{LV}	SWITCH, LOW VOLTAGE	48"
S_{PB}	PUSHBUTTON SWITCH	48"
D D_L	WALL DIMMER, 3–WAY	48"
	DUPLEX RECEPT.; QUADRUPLEX	18"
	FLOOR RECEPT.; FLOOR TELEPHONE	
	TELEPHONE OUTLET	18"
	TELEPHONE/DATA OUTLET	18"
	DATA OUTLET	18"
T	TELEPHONE CONDUIT	
30A	30 AMP, 208V. OUTLET	18"
	SPECIAL POWER OUTLET	18"
J	JUNCTION BOX	RTD
	SINGLE–PHASE MOTOR	
	THREE–PHASE MOTOR	
	SINGLE RECEPT.	18"
	MAGNETIC STARTER	
	COMBINATION STARTER/DISCONNECT SWITCH	48"
	DISCONNECT SWITCH INTERIOR	48"
	DISCONNECT SWITCH EXTERIOR	36"
S	SPEED CONTROLLER	48"
T	THERMOSTAT	48"
T_{RA}	REVERSE ACTING THERMOSTAT	48"
	POWER PANEL OR SWITCHBOARD	
	LIGHTING PANEL	
	WIRING ABOVE CEILING OR IN JOIST SPACE	
	WIRING UNDER FLOOR OR IN WALL	
A–1/3	HOME RUN TO PANEL "A", 2–POLE BRKR.	
EM	EMERGENCY CIRCUIT	
F	MANUAL FIRE ALARM PULL STATION	48"
H	AUDIO ALARM HORN	80"
	AUDIO/VISUAL ALARM HORN	80"
B	AUDIO ALARM BELL	80"
	AUDIO/VISUAL ALARM BELL	80"
V	VISUAL ALARM STROBE	80"
DM	DUCT SMOKE DETECTOR	

SYMBOL	ITEM	M.H.
H	HEAT DETECTOR	
DM	MAGNETIC DOOR HOLD–OPEN DEVICE	RTD
WF	WATER FLOW SWITCH	
SS	SUPERVISORY SWITCH	
PS	PRESSURE SWITCH	
TS	TAMPER SWITCH	
SM	CEILING SMOKE DETECTOR, ZONE 2	
FA	FIRE ALARM SYSTEM CONDUIT	
FACP	FIRE ALARM CONTROL PANEL	
TV	TV OUTLET	18"
TV	TV SYSTEM CONDUIT	
C	CLOCK OUTLET	80"
C	CLOCK	80"
C	CONTROL WIRING	
I	INTERCOM MASTER	RTD
I	INTERCOM STAFF STATION	48"
I	INTERCOM SYSTEM CONDUIT	
S	SPEAKER HORN	RTD
VC	VOLUME CONTROL	48"
M	MICROPHONE JACK	RTD
B	BUZZER	80"
LV	LOW VOLTAGE TRANSFORMER	RTD
S	SOUND SYSTEM CONDUIT	
P	PROGRAM BELL	80"
W.P.	WEATHERPROOF	
W.L.	WET LOCATION	
CCT.	CIRCUIT	
G.F.I.	GROUND FAULT INTERRUPTER	
	SWITCHED LOADS, WIRING & CONDUIT	
	PUSH–BUTTON STATION	48"
	LIGHT OR DEVICE ON EMERG. CIRCUIT	
	EXISTING LIGHT, DEVICE OR SWITCH	
	RELOCATED EXISTING DEVICE	
	EXISTING WIRING TO REMAIN	
	ITEM TO BE REMOVED	
CO	CARBON MONOXIDE DETECTOR	RTD
	WELDER RECEPTACLE	RTD
	CCTV CAMERA, FIXED, PAN/TILT/ZOOM	RTD
	DOOR CONTACT	
	SECURITY GLASS BREAK	
MD	SECURITY MOTION DETECTOR	84"
CR	CARD READER	48"



POWER RISER DIAGRAM

0 NTS

ELECTRICAL GENERAL NOTES

1. REFER TO MAIN SWITCHBOARD SCHEDULE FOR FEEDERS AND CONDUIT SIZES NOT INDICATED ON POWER RISER DIAGRAM.
2. CONTRACTOR SHALL SUBMIT A SCALED COORDINATION DRAWING (PLAN AND ELEVATION) OF ALL EQUIPMENT SHOWN ON RISER DIAGRAM.
3. COORDINATE THE SIZE OF TELEPHONE DEMARCATION BOX WITH TELEPHONE COMPANY.
4. FOR UNDERGROUND CONDUIT SEALING REFER TO DETAILS ON SHEET E4.
5. CONTRACTOR TO PROVIDE SHIELD OVER SWITCHBOARD.
6. EXTEND EXISTING CONDUIT AS SHOWN.
7. GROUNDING ELECTRODE SYSTEM TO OBTAIN A LOW IMPEDANCE OF 25 OHM OR LESS.
8. PROVIDE 70A.3P. CIRCUIT BREAKER IN EXISTING PANEL SPACE FOR NEW COLD STORAGE BUILDING.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PERFORMANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014

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E501

ELECTRICAL SCHEDULES

LOW VOLTAGE SWITCHING RELAY CABINET "RP"

RELAY	CIRCUIT	WATTS	LOAD	CONTROL
1	EM-37	340	PARTS RM/MECHANICS OFFICE LTG.	LV. SWITCH
2	EM-17	1400	CONTACTOR "C6"	(3) LV. SWITCHES
3	EM-19	1440	CONTACTOR "C7"	(3) LV SWITCHES
4	EM-33	1440	CONTACTOR "C8"	(3) LV. SWITCHES
5	EM-46	1368	WASH BAY LTG.	WP (4) SWITCHES
6	A-9	1440	CONTACTOR "C2"	LV. SWITCH
7	A-11	1440	CONTACTOR "C3"	LV. SWITCH
8	A-12	1440	CONTACTOR "C4"	(2) LV. SWITCHES
9	A-14	1440	CONTACTOR "C5"	(2) LV. SWITCHES
10	B-19	174	CORRIDOR LTG.	(2) LV. SWITCHES
11	B-21	37	STORAGE OMF-020	LV. SWITCH
12	B-21	37	STORAGE OMF-020	LV. SWITCH
13	B-21	285	CORRIDOR LTG.	(2) LV. SWITCH
14	EM-61	170	SUPERVISOR OFFICE LTG.	LV. SWITCH
15	EM-61	255	RADIO ROOM LTG.	LV. SWITCH
16	A-13/15	896	PARKING/DRIVEWAY LTG.	TIMECLOCK/PHOTOCELL
17	A-17/19	560	PARKING/DRIVEWAY LTG.	TIMECLOCK/PHOTOCELL
18	A-16/18	430	FLAG POLE LTG.	TIMECLOCK/PHOTOCELL
19	A-20/22	430	SIGN LTG.	TIMECLOCK/PHOTOCELL
20	LS-8	738	COLD STORAGE BLDG.	TIMECLOCK/PHOTOCELL
21	LS-10	195	BLDG. MTD. LTG.	TIMECLOCK/PHOTOCELL
22	EM-29	504	VEHICLE MAINT. BLDG. MTD. LTG.	TIMECLOCK/PHOTOCELL
23	EM-66	216	TRUCK STORAGE BLDG. MTD. LTG.	TIMECLOCK/PHOTOCELL
24	-	-	SPACE	-
25	-	-	SPACE	-
26	-	-	SPACE	-
27	-	-	SPACE	-
28	-	-	SPACE	-
29	-	-	SPACE	-
30	-	-	SPACE	-
31	-	-	SPACE	-
32	-	-	SPACE	-

LIGHTING FIXTURE SCHEDULE

MOUNTING CODED: CL – CEILING MOUNTED, CH – CHAIN HUNG, W – WALL MOUNTED, R – RECESSED, S – STEM MOUNTED, UC – UNDER CABINET, CV – COVE MOUNTED, TR – TRACK MOUNTED, B – BOLLARD, GR – GRADE MOUNTED, P – POLE MOUNTED

NOTES: FIXTURES SHALL INCLUDE CBM/ETL PREMIUM BALLASTS, LENSES, CANOPIES AND ACCESSORIES COMPATIBLE WITH CEILING CONSTRUCTION. UNLESS NOTED OTHERWISE, ALL FIXTURES AND LAMPS TO BE 120 VOLTS.

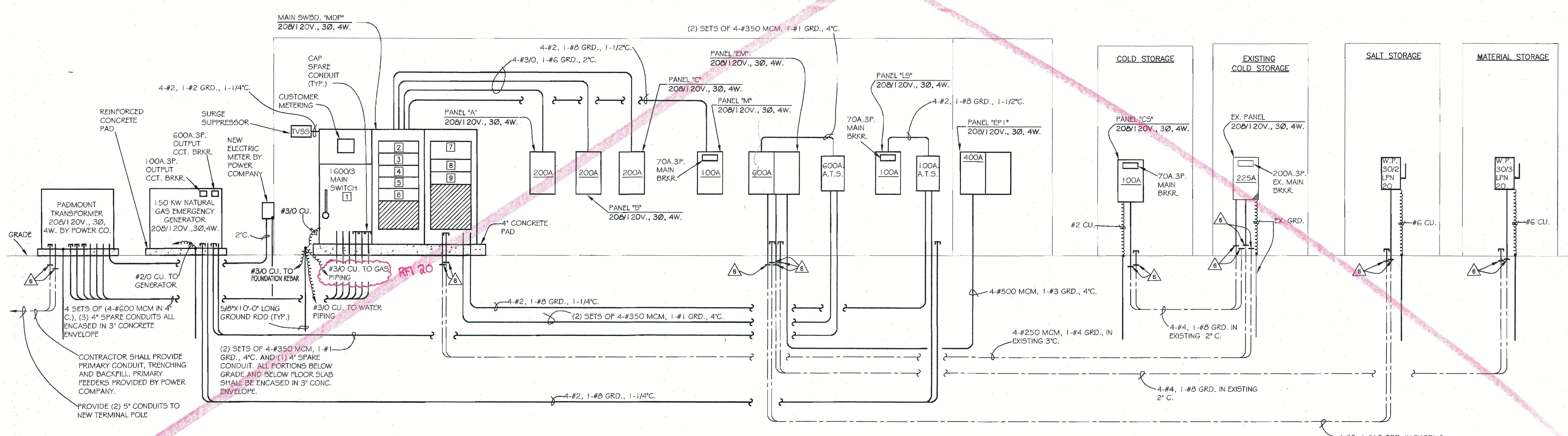
	MANUFACTURERS	CATALOG NO.	LAMPS/WATTS	REMARKS
CL-1 W-1	LITHONIA OR APPROVED EQUAL	LQCW1R-120/277-ELN	BY MFR.	DIE-CAST ALUMINUM BATTERY-OPERATED L.E.D. EXIT LIGHT WITH 6" HIGH RED STENCIL LETTERS AND WHITE FINISH. PROVIDE NUMBER OF FACES SHOWN ON THE DRAWINGS. 120V. W-1: MOUNTED ABOVE DOOR, OR AT HEIGHT NOTED.
R-2	LITHONIA OR APPROVED EQUAL	2GT8-232-A12-120-GEB-GLR	(2) F032/735	2'X4' LAY-IN TROFFER WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
R-3	LITHONIA OR APPROVED EQUAL	2GT8-332-A12-120-GEB-GLR	(3) F032/735	2'X4' LAY-IN TROFFER WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
W-4	LITHONIA OR APPROVED EQUAL	VDC-232-GEB10IS-MVOLT-GEB-GLR	(2) F032/735	4'-0" LONG ENCLOSED AND GASKETED CORNER MOUNT WET LOCATION FLUORESCENT WITH CLEAR POLYCARBONATE LENS AND ELECTRONIC BALLAST. 120V.
W-5 W-5A	LITHONIA OR APPROVED EQUAL	TWHLE0-30C-100050K-T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W-5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
CL-6	LITHONIA OR APPROVED EQUAL	2SB-232-120-GEB-GLR	(2) F032/735	4'-0" LONG WIDE BODY WRAPAROUND FLUORESCENT WITH ACRYLIC LENS AND ELECTRONIC BALLAST. 120V.
CL-7	LITHONIA OR APPROVED EQUAL	FGB24-6-54T5HO-N1-D20-PCL125WG-MVOLT-2/3-GEB10IS-LP841	(6) F054/835	2'x4' 6-LAMP FLUORESCENT HIGH BAY FIXTURE WITH SOLID TOP HOUSING, CLEAR ACRYLIC LENS, FUSE, AND WIRE GUARD. PROVIDE (2) 3-LAMP 10% THD ELECTRONIC BALLASTS, (2) TONG HANGERS, AND SAFTY SAFETY CABLE. MOUNT LIGHT FIXTURE TO STRUCTURE. 120V.
R-8	LITHONIA OR APPROVED EQUAL	LP6F-32TRT-120-GEB10-6LD1-PF	(1) F32TBX/SPX41/A/4P	GASKETED FLUORESCENT SHOWER LIGHT WITH DROP OPAL POLYCARBONATE LENS, WHITE PLASTIC FLANGE, HIGH POWER FACTOR ELECTRONIC BALLAST, AND WET LOCATION LABEL. 120V.
R-9	LITHONIA OR APPROVED EQUAL	AFV-32TRT-8AR-120-GEB	(1) F32TRT/3500K	FLUORESCENT DOWNLIGHT WITH CLEAR SPECULAR LOW IRIDESCENT SELF TRIMMING REFLECTOR AND ELECTRONIC BALLAST. 120V.
CL-10	LITHONIA OR APPROVED EQUAL	EJA-232-120-GEB-GLR	(2) F032/735	4'-0" LONG INDUSTRIAL FLUORESCENT WITH APERTURED UPLIGHT REFLECTOR AND ELECTRONIC BALLAST. 120V.
CL-11	LITHONIA OR APPROVED EQUAL	VR1-2-54T5HO-MVOLT-GEB10PS	(2) F054/835	4'-0" LONG ENCLOSED AND GASKTED FLUORESCENT WITH WET LOCATION LABEL AND COLD WEATHER BALLAST. 120V. 120V.
W-12	LITHONIA OR APPROVED EQUAL	ELM618	BY MFR.	BATTERY-OPERATED EMERGENCY LIGHT WITH WHITE FINISH, 2 HEADS, AND REMOTE POWER CAPABILITY MOUNTED AT HEIGHT NOTED. 120V.
W-13	LITHONIA OR APPROVED EQUAL	TWHLED-10C-100050K-T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W-5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
W-14	LITHONIA OR APPROVED EQUAL	LV-S-W-R-120/277-ELN-UM-CW	BY MFR.	DIE-CAST ALUMINUM BATTER-OPERATED L.E.D. EXIST LIGHT WITH 6" HIGH RED STENCIL LETTERS, WHITE FINISH, COLD TEMPERATURE, AND WET LOCATION LABEL. 120V.
W-15	LITHONIA OR APPROVED EQUAL	TWHLED-20C-100050K-T3M	1000MA 5000K LED	WALL MOUNTED LED LIGHT FIXTURE, WET LOCATION, AND BRONZE FINISH. W-5A: PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL. 120V.
W-16	LITHONIA OR APPROVED EQUAL	DSXF3LED-6-A530/50K-WFL-MVOLT-DDBXD -WG/FRWB	530MA 5000K LED	WALL MOUNTED LED FLOOD LIGHT WITH WIREGUARD AND BRONZE FINISH. PROVIDE RIGHT ANGLE TENON MOUNTING ARM AND ALL ACCESSORIES TO MAKE FIXTURE FULLY ADJUSTABLE. 120V.
CL-17	LITHONIA OR APPROVED EQUAL	VDS-232-GEB10IS-MVOLT-GEB-GLR	(2) F032/735	4'-0" LONG ENCLOSED AND GASKETED WET LOCATION FLUORESCENT WITH CLEAR POLYCARBONATE LENS AND ELECTRONIC BALLAST. 120V.

ELECTRICAL SYMBOLS

1. ALL SYMBOLS MAY NOT APPLY.
2. MOUNTING HEIGHT (M.H.) IS TO CENTERLINE OF DEVICE.
3. MOUNTING HEIGHT ON PLAN SUPERSEDES THIS SCHEDULE.
4. RTD: REFER TO DRAWING.
5. ADJUST MOUNTING HEIGHTS OF DEVICES WHICH PROTRUDE MORE THAN 4" IN CORRIDORS AND WALKWAYS NECESSARY TO MEET A.D.A. CLEARANCE RESTRICTIONS.

ITEM	M.H.
FLUORESCENT FIXTURE	
(2) LAMPS ON EMERGENCY CIRCUIT	
CEILING MOUNTED FIXTURE	
WALL-MOUNTED FIXTURE	RTD
EXIT LIGHT W/DIRECTION ARROW	
SWITCH, 3-WAY, 4-WAY, KEY, PILOT	48"
SWITCH, LOW VOLTAGE	48"
PUSHBUTTON SWITCH	48"
WALL DIMMER, 3-WAY	48"
DUPLEX RECEPT.; QUADRUPLEX	18"
FLOOR RECEPT.; FLOOR TELEPHONE	
TELEPHONE OUTLET	18"
TELEPHONE/DATA OUTLET	18"
DATA OUTLET	18"
TELEPHONE CONDUIT	
30 AMP, 208V. OUTLET	18"
SPECIAL POWER OUTLET	18"
JUNCTION BOX	RTD
SINGLE-PHASE MOTOR	
THREE-PHASE MOTOR	
SINGLE RECEPT.	18"
MAGNETIC STARTER	
COMBINATION STARTER/DISCONNECT SWITCH	48"
DISCONNECT SWITCH INTERIOR	48"
DISCONNECT SWITCH EXTERIOR	36"
SPEED CONTROLLER	48"
THERMOSTAT	48"
REVERSE ACTING THERMOSTAT	48"
POWER PANEL OR SWITCHBOARD	
LIGHTING PANEL	
WIRING ABOVE CEILING OR IN JOIST SPACE	
WIRING UNDER FLOOR OR IN WALL	
HOME RUN TO PANEL "A", 2-POLE BRKR.	
EMERGENCY CIRCUIT	
MANUAL FIRE ALARM PULL STATION	48"
AUDIO ALARM HORN	80"
AUDIO/VISUAL ALARM HORN	80"
AUDIO ALARM BELL	80"
AUDIO/VISUAL ALARM BELL	80"
VISUAL ALARM STROBE	80"
DUCT SMOKE DETECTOR	

SYMBOL	ITEM	M.H.
H	HEAT DETECTOR	
DH	MAGNETIC DOOR HOLD-OPEN DEVICE	RTD
WF	WATER FLOW SWITCH	
SS	SUPERVISORY SWITCH	
PS	PRESSURE SWITCH	
TS	TAMPER SWITCH	
SM 2	CEILING SMOKE DETECTOR, ZONE 2	
FA	FIRE ALARM SYSTEM CONDUIT	
F.A.C.P.	FIRE ALARM CONTROL PANEL	
TV	TV OUTLET	18"
TV	TV SYSTEM CONDUIT	
	CLOCK OUTLET	80"
	CLOCK	80"
C	CONTROL WIRING	
I M	INTERCOM MASTER	RTD
I	INTERCOM STAFF STATION	48"
I	INTERCOM SYSTEM CONDUIT	
S	SPEAKER HORN	RTD
VC	VOLUME CONTROL	48"
M	MICROPHONE JACK	RTD
B	BUZZER	80"
LV	LOW VOLTAGE TRANSFORMER	RTD
S	SOUND SYSTEM CONDUIT	
P	PROGRAM BELL	80"
W.P.	WEATHERPROOF	
W.L.	WET LOCATION	
CCT.	CIRCUIT	
G.F.I.	GROUND FAULT INTERRUPTER	
	SWITCHED LOADS, WIRING & CONDUIT	
	PUSH-BUTTON STATION	48"
	LIGHT OR DEVICE ON EMERG. CIRCUIT	
	EXISTING LIGHT, DEVICE OR SWITCH	
	RELOCATED EXISTING DEVICE	
	EXISTING WIRING TO REMAIN	
	ITEM TO BE REMOVED	
C.O.	CARBON MONOXIDE DETECTOR	RTD
W	WELDER RECEPTACLE	RTD
	CCTV CAMERA, FIXED, PAN/TILT/ZOOM	RTD
	DOOR CONTACT	
	SECURITY GLASS BREAK	
MO	SECURITY MOTION DETECTOR	84"
CR	CARD READER	48"



POWER RISER DIAGRAM

0 NTS

ELECTRICAL GENERAL NOTES

1. REFER TO MAIN SWITCHBOARD SCHEDULE FOR FEEDERS AND CONDUIT SIZES NOT INDICATED ON POWER RISER DIAGRAM.
2. CONTRACTOR SHALL SUBMIT A SCALED COORDINATION DRAWING (PLAN AND ELEVATION) OF ALL EQUIPMENT SHOWN ON RISER DIAGRAM.
3. COORDINATE THE SIZE OF TELEPHONE DEMARCATION BOX WITH TELEPHONE COMPANY.
4. FOR UNDERGROUND CONDUIT SEALING REFER TO DETAILS ON SHEET E4.
5. CONTRACTOR TO PROVIDE SHIELD OVER SWITCHBOARD.
6. EXTEND EXISTING CONDUIT AS SHOWN.
7. GROUNDING ELECTRODE SYSTEM TO OBTAIN A LOW IMPEDANCE OF 25 OHM OR LESS.
8. PROVIDE 70A.3P. CIRCUIT BREAKER IN EXISTING PANEL SPACE FOR NEW COLD STORAGE BUILDING.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

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E501

ELECTRICAL SCHEDULES

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 078

REQUEST FOR INFORMATION

See below

Christi Jewell, Electrical Designe

RDFA

Roger D. Fields & Associates
4588 Kenny Road
Columbus, Ohio 43220-2777
614-451-2248
F 614-451-6628
E-mail: cjewell@rdfa.com
Web: www.rdfa.com

TO:	RDI & RDFA	**DATE:**	5-Dec-14
ATTN:	Tom Converse	**PAGE:**	1 of 4
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Fluid Tank Vents Lines		

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From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Friday, December 05, 2014 8:19 AM
To: Christi Jewell; Greg Topp; Tom Converse
Cc: Hannahs, Joe; Gonzalez, German; Matulja, Rick; chris.gompf@edgreenelectric.com
Subject: Athens ODOT - RFI's

Christi,
Please see below as we need a quick answer. Thanks.

German,
Please send in the following RFI:

Subject: Misc Electrical Items

1. There is a hot water recirculation pump in the office Mechanical room, OMF10. There is no electrical shown on the drawings for it. Please provide panel and circuit number for the 120 volt pump. Wire to spare 20A.1P. circuit breaker in Panel "C" with #12 awg.

2. There is a pump in VM room OMF13, it is 208 volt, please specify panel and circuit number. There is no electrical shown on the drawings. Please clarify which pump is being refereed to. We issued a Bulletin for the 208/1 booster pump in Room OMF-014.

3. There is a speaker on the drawings at the fuel island. Please specify what type of speaker is required? We approved a shop drawing for a weatherproof horn speaker.

Response time = asap

Sincerely,

Tom Andry, LEED AP
Project Superintendent
(P) 614.754.8349
(F) 614.824.1605
(C) 937.407.5229

Matulja, Rick

From: Andry, Tom
Sent: Thursday, November 13, 2014 8:10 AM
To: Matulja, Rick
Subject: Fwd: ODOT Athens
Attachments: Picture (Device Independent Bitmap) 1.jpg

Post

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P): 614.754.8349
(F): 614.824.1605
(C): 937.407.5229
Athens ODOT Full Service Facility

Sent from my iPhone

Begin forwarded message:

From: Christi Jewell <cjewell@rdfa.com>
Date: November 12, 2014 at 4:21:54 PM EST
To: "Andry, Tom (tandry@thomas-marker.com)" <tandry@thomas-marker.com>
Subject: ODOT Athens

Wire 120 volt fire alarm bell to spare 20A.1P. circuit breaker in Panel "LS".

Christi Jewell, Electrical Designer

Roger D. Fields & Associates
4588 Kenny Road
Columbus, Ohio 43220-2777
614-451-2248
F 614-451-6628
E-mail: cjewell@rdfa.com
Web: www.rdfa.com

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RDFA

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Phone: (614) 451-2248 • Fax: (614) 451-6628
www.rdfa.com • Email: rogerfields@rdfa.com

ODOT Athens

BULLETIN

ELECTRICAL CONTRACT

ITEM 1. Sheet E502 "Electrical Schedules", Panel "EP1": Change circuit 52/54/56 to a 30/3 circuit breaker with #10 awg. wiring.

C:\Users\rgermain\Documents\Athens\Athens Bulletin 001.docx Last printed 8/15/2014 4:15:00 AM

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 019

REQUEST FOR INFORMATION

TO:	Roger D. Fields & Associates	**DATE:**	15-Jul-14
ATTN:	Gregory Topp	**PAGE:**	1 of 2
EMAIL:	gtopp@rdfa.com	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Calcium Tank Electrical Requirements		

Reference the attached write-up from RDFA.

Please confirm the following changes to Panel EM.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 15-Jul-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

After reviewing the electrical requirements it has been determined that the breaker in Panel "EM" can be reduced to a 20A.2P. with #4 awg. wiring to the calcium tank. Let me know if I need to issue a bulletin or if this is sufficient.

Christi Jewell, Electrical Designer

RDFA

Roger D. Fields & Associates
4588 Kenny Road
Columbus, Ohio 43220-2777
614-451-2248
F 614-451-6628
E-mail: cjewell@rdfa.com
Web: www.rdfa.com

FINAL DISTRIBUTION: File, Field

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 009

REQUEST FOR INFORMATION

TO:	Roger D. Fields & Associates	**DATE:**	30-Jun-14
ATTN:	Gregory Topp	**PAGE:**	1 of 2
EMAIL:	gtopp@rdfa.com	**DWG:**	E502
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Panel EP1 - Changes		

Reference sheet E502 and the attached write-up from RDFA.

Please confirm the following changes to Panel EP1 shall be incorporated. Change circuit 47/49/51 to a 60A.3P circuit breaker with #3 awg. Wiring.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 30-Jul-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

This information is correct.

DATE OF REPLY: 7/15/14 **SIGNED:** Christi Jewell

FINAL DISTRIBUTION: File, Field

208V. DISTRIBUTION PANEL SCHEDULE

PANEL "MDP" (TVSS)
VOLTAGE 208/120V.,3ø,4W.
AMPS 1600A CONN. KW. 304.2

NO.	SWITCH/CIRCUIT BREAKER	LOAD	FEEDERS & CONDUIT	REMARKS
1	1600A.3P.	MAIN CIRCUIT BREAKER	–	
2	200A.3P.	PANEL "A"	4–#3/0, 1–#6 GRD., 2"C.	
3	200A.3P.	PANEL "B"	4–#3/0, 1–#6 GRD., 2"C.	
4	200A.3P.	PANEL "C"	4–#3/0, 1–#6 GRD., 2"C.	
5	200A.3P.	PANEL "LS"	4–#3/0, 1–#6 GRD., 2"C.	
6	70A.3P.	PANEL "M"	4–#2, 1–#8 GRD., 1-1/2"C.	
7	600A.3P.	PANEL "EM"	(2) SETS 4–#350, 1–#1 GRD., 4"C	
8	80A.3P.	SURGE SUPPRESSOR	4–#4, 1–#8 GRD., 1-1/4"C.	
9	200A.3P.	EXISTING COLD STORAGE PANEL	4–#250 MCM, 1–#4 GRD., IN EX. 3"C	
10	–	SPACE	–	
11	–	SPACE	–	
13	–	SPACE	–	
14	–	SPACE	–	
15	–	SPACE	–	

SEE EMAIL FROM CHRISTI JEWELL W/RDFA

PANEL "C" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 29.4

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	BRKRM/CORR/MENS RR RECEPTS.	20/1	1	2	20/1	GF-1 1/3 HP, 120/1	#12
	TM OFFICE/BRKRM RECEPTS.		3	4		GF-2 1/3 HP, 120/1	
	TM OFFICE/BRKRM RECEPTS.		5	6		GF-3 1/3 HP, 120/1	
	TRAFFIC OFF/CNTY. MGR OFF RECEPTS.		7	8		CORR/JAN/SHOWER RECEPTS.	
	STOR/TIMEKEEPER RECEPTS.		9	10		OFFICES/VEST RECEPTS.	
	EWC-1		11	12		MICROWAVE RECEPT.	
	RADIO/MECH/ELEC RECEPTS.		13	14		GAS WATER HEATER	
	EWH-1 120/1		15	16		GAS WATER HEATER	
① #10	CU-3	30/3	17	18	30/3	CU-1	#10 ①
–	14.9 FLA.	–	19	20	–	15.2 FLA.	–
–	208/3	–	21	22	–	208/3	– ①
#12	TMV	20/1	23	24	30/3	CU-2	#10
–	SPARE		25	26	–	14.9 FLA.	–
–			27	28	–	208/3	–
–			29	30	20/1	SPARE	–
–			31	32			–
–			33	34			–
–	SPACE	–	35	36	–	SPACE	–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

① PROVIDE HACR RATED CIRCUIT BRERAKER.

PANEL "B" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 21.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	OMF-012.1 RECEPTS.	20/1	1	2	20/1	OMF-015/OMF-14/OMF-13 RECEPTS.	#12
	GFUH-2/3/4		3	4	30/2	OMF-014 RECEPTS.	#10
	MTR-OPERATED DMPR.		5	6	–	208/1	–
	INFRARED CNTRL PNL		7	8	20/1	OMF-013/012.3 RECEPTS.	#12
	EWC		9	10		OMF-012.2/012.3/016 RECEPTS.	
	OMF-012.2 RECEPTS.		11	12		TRUCK STORAGE RECEPTS.	
	INRARED CNTRL PNL		13	14		OMF-012.1/012.2 RECEPTS.	
	TRUCK STORAGE RECEPTS.		15	16	40/3	AIR COMPRESSOR	#8
	VENDING RECEPT.		17	18	–	5 HP	–
	CORRIDOR LTG.		19	20	–	208/3	–
	STOR/CORR/RR LTG.		21	22	20/1	VENDING RECEPT	#12
–	SPARE		23	24		SPARE	–
–			25	26			–
–			27	28			–
–			29	30			–
–	SPACE	–	31	32	–	SPACE	–
–		–	33	34	–		–
–		–	35	36	–		–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

PANEL "A" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 23.0

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	GARAGE LIGHTING	20/1	1	2	20/1	GARAGE LIGHTING	#12
	GARAGE LIGHTING		3	4		GARAGE LIGHTING	
	GARAGE LIGHTING		5	6		GARAGE LIGHTING	
	GARAGE LIGHTING		7	8		GARAGE LIGHTING	
	CONTACTOR "C2"		9	10		GARAGE LIGHTING	
	CONTACTOR "C3"		11	12		CONTACTOR "C4"	
#6	PARKING/DRIVEWAY LTG.	20/2	13	14		CONTACTOR "C5"	
–	–	–	15	16	20/2	FLAGPOLE LTG.	#10
#10	PARKING LOT LTG.	20/2	17	18	–	–	–
–	–	–	19	20	20/2	SIGN LTG.	#10
–	SPARE	20/1	21	22	–	–	–
–			23	24	20/1	SPARE	–
–			25	26			–
–			27	28			–
–			29	30			–
–	SPACE	–	31	32	–	SPACE	–
–		–	33	34	–		–
–		–	35	36	–		–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

PANEL "M" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 10.4

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	EF-9 1/2 HP, 120/1	20/1	1	2	20/3	EF-3	#12
#12	EF-4	20/3	3	4	–	1 HP	–
–	1 HP	–	5	6	–	208/3	–
–	208/3	–	7	8	20/1	EF-10 1/4 HP, 120/1	#12
#12	EF-5 1/4 HP, 120/1	20/1	9	10	20/3	EF-13	#12
–	SPARE		11	12	–	3/4 HP	–
–			13	14	–	208/3	–
–			15	16	20/1	EF-6 1/4 HP, 120/1	#12
–			17	18		EF-14 1/4 HP, 120/1	
–			19	20		EF-1 1/2 HP, 120/1	
–			21	22		EF-2 1/4 HP, 120/1	
–	SPACE	–	23	24	–	SPACE	–
–		–	25	26	–		–
–		–	27	28	–		–
–		–	29	30	–		–

PANEL "EP1" MOUNTING SURFACE (DOUBLE TUB)
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 400 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 120.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#4	PARTS WASHER	70/2	1	2	20/1	GRINDER	#12
–	–	–	3	4		BEARING PRESS	
#12	AUTO TIRE CHANGER	20/1	5	6		TIRE BALANCER	
#12	TIRE SEPERATOR	20/1	7	8		BAND SAW	
#6	WELDER	50/2	9	10		DRILL PRESS	
–	208/1	–	11	12	60/3	PRESSURE WASHER	#6
#6	AIR COMPRESSOR	60/3	13	14	–	–	–
–	15 HP	–	15	16	–	–	–
–	208/3	–	17	18	20/3	EF-8	#12
#12	EF-7	20/3	19	20	–	3/4 HP	–
–	3/4 HP	–	21	22	–	208/3	–
–	208/3	–	23	24	30/1	OH DOOR 3/4 HP, 120/1	#10
#10	OH DOOR 3/4 HP, 120/1	30/1	25	26		OH DOOR 3/4 HP, 120/1	
	OH DOOR 3/4 HP, 120/1		27	28		OH DOOR 3/4 HP, 120/1	
	OH DOOR 3/4 HP, 120/1		29	30	20/3	MUA-2	#12
#12	MUA-1	20/3	31	32	–	3 HP	–
–	3 HP	–	33	34	–	208/3	–
–	208/3	–	35	36	20/1	CO DET/RECEPTS.	#12
#6	WELDER	50/2	37	38		AIR DRYER	
–	208/1	–	39	40		OMF-015/014/012.2 RECEPTS.	
#12	UNDERCARRIAGE SYSTEM	20/1	41	42		OMF-013/012.2/012.3 RECEPTS.	
–	SPARE		43	44		OMF-016/012.3 RECEPTS.	
#12	MTR. OPERATED DMPR.		45	46		INFRARED BURNER	
#4	LIFT STATION	50/3	47	48		INFRARED BURNER	
–	–	–	49	50		OMF-012.1/012.2 RECEPTS.	
–	–	–	51	52	60/3	BRIDGE CRANE	#6
–	SPARE	20/1	53	54	–	–	–
–			55	56	–	–	–
–			57	58	60/3	LIFT	#6
–			59	60	–	–	–
			61	62	–	–	–
#10	PORTABLE LIFT	30/3	63	64	20/1	SPARE	–
–	–	–	65	66			–
–	–	–	67	68			–
–	SPACE	–	69	70			–
			71	72	–	SPACE	–
–		–	73	74	–		–
–		–	75	76	–		–
–		–	77	78	–		–
–		–	79	80	–		–
–		–	81	82	–		–
–		–	83	84	–		–

RFI 009

BULLETIN 002

SEE EMAIL FROM CHRISTI JEWELL W/RDFA REGARDING FIRE ALARM BELL

PANEL "LS" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 8.7

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
① #12	FIRE ALARM CTRL PNL	20/1	1	2	20/1	TS GARAGE NL	#12
	TS GARAGE EM LTG.		3	4		TS GARAGE EM LTG.	
	VEHICLE MAINT. EM LTG.		5	6		TS GARAGE EM LTG.	
	CORR. NL		7	8		COLD STORAGE BLDG.	#6
	CORRIDOR NL		9	10		BLDG. MTD. LTG.	#10
–	SPARE		11	12	–	SPACE	–
–			13	14	–		–
–			15	16	–		–
–			17	18	–		–

① PROVIDE LOCKSTRAP ON THIS CIRCUIT BREAKER.

PANEL "CS" (NEMA 3R) MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 16.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	COLD STORAGE LTG.	20/1	1	2	20/1	COLD STORAGE RECEPTS.	#12
	COLD STORAGE LTG.		3	4		OVERHEAD DOOR	
	COLD STORAGE LTG.		5	6		OVERHEAD DOOR	
	OVERHEAD DOOR		7	8		OVERHEAD DOOR	
	OVERHEAD DOOR		9	10		OVERHEAD DOOR	
	OVERHEAD DOOR		11	12		SPARE	–
–	SPARE		13	14			–
–			15	16			–
–			17	18			–
–			19	20			–
–	SPACE	–	21	22	–	SPACE	–
–		–	23	24	–		–
–		–	25	26	–		–
–		–	27	28	–		–
–		–	29	30	–		–

LOAD SUMMARY

	DEMAND KW.
RECEPTACLES	46.9 KW
LIGHTING	56.1 KW
A/C	16.2 KW
HEATING	7.9 KW
MOTORS	131.1 KW
MISC	20.2 KW

278.4 KW, 898 AMPS @ 208/3 ON A 1600 AMP SWITCHBOARD

PANEL "EM" MOUNTING SURFACE DOUBLE TUB
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 600 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 196.7

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	TM OFFICE/BRKRM RECEPTS.	20/1	1	2	20/1	COUNTY MGR/TIMEKEEPER RECEPTS.	#12
	MECH/TRAFIC OFF RECEPTS.		3	4		OFFICE RECEPTS.	
	WELD BAY LTG.		5	6		REFRIGERATOR RECEPT.	
	WELD BAY LTG.		7	8		PHONE BOARD RECEPT.	
	LIGHT TRUCK LTG.		9	10		OH DOOR 3/4 HP, 120/1	
	LIGHT TRUCK LTG.		11	12	20/2	GEN. BLOCK HTR.	#12
	LIGHT TRUCK LTG.		13	14	–	–	–
	LIGHT TRUCK LTG.		15	16	20/3	MONORAIL	#12
	CONTACTOR "C6"		17	18	–	1.75 HP	–
	CONTACTOR "C7"		19	20	–	208/3	–
#12	EF-11	20/3	21	22	20/1	OH DOOR 3/4 HP, 120/1	#12
–	1-1/2 HP	–	23	~~24~~	~~20/1~~	~~OH DOOR 3/4 HP, 120/1~~	~~#12~~
–	208/3	–	25	26	100/3	BRINE BUILDING PANEL	#4/0 ③
#6	SALT STORAGE	30/1	27	28	–	–	–
#10	VEHICLE MAINT. BLDG. MTD. LTG.	20/1	29	30	–	–	–
#12	O.H. DOOR CONTROLS	20/1	31	~~32~~	~~20/1~~	~~MTR. OPERATED DMPR.~~	~~#12~~
	CONTACTOR "C8"		33	34	20/1	OH DOOR 3/4 H.P., 120/1	#12
	RADIO ROOM RECEPT.		35	36	30/2	CALCIUM TANK	#2
	PARTS/COMPRESSOR LTG.		37	38	–	208/1	–
#10	GATE OPERATOR	30/3	39	40	20/1	OH DOOR 3/4 H.P., 120/1	#12
–	–	–	41	42		IR GARAGE HEATERS	
–	–	–	43	44		IR GARAGE HEATERS	
#12	SECURITY PANEL	20/1	45	46		WASHBAY LTG.	
#12	OFFICES/BRKRM LTG.	20/1	47	48		MAIN COMPUTER	
#12	EF-12	20/3	49	50		DATA RACKS	
–	1-1/2 HP	–	51	52		DATA RACKS	
–	208/3	–	53	54	30/2	DIESEL PUMP	#10 ②
#12	GEN. BATT. CHGR.	20/1	55	56	–	–	–
	CO DETECTORS		57	58	30/1	MATERIAL STORAGE	#4
	CO DETECTORS		59	60	20/3	GATE OPERATOR	#10
	OFFICE/ELEC/RADIO/MECH/RR LTG.		61	62	–	–	–
#500	PANEL "EP1"	400/3	63	64	–	–	–
–	–	–	65	66	20/1	TRUCK STORAGE BLDG. MTD. LTG.	#10
–	–	–	67	68	30/2	GAS PUMP	#10 ②
–	SPARE	20/1	69	70	–	–	–
–			71	72	20/1	SPARE	–
–			73	74			–
–			75	76			–
–			77	78			–
–	SPACE	–	79	80	–	SPACE	–
–		–	81	82	–		–
–		–	83	84	–		–

① PROVIDE LOCKSTRAP ON THIS CIRCUIT BREAKER.
② PROVIDE SPECIAL 2–POLE BREAKER TO ALSO DISCONNECT NEUTRAL CONDUCTOR.
③ PROVIDE HACR RATED CIRCUIT BREAKER.

BULLETIN 002

RFI 019

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014

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E502

ELECTRICAL SCHEDULES

208V. DISTRIBUTION PANEL SCHEDULE

PANEL "MDP" (TVSS)
VOLTAGE 208/120V., 3ø, 4W.
AMPS 1600A CONN. KW. 304.2

NO.	SWITCH/CIRCUIT BREAKER	LOAD	FEEDERS & CONDUIT	REMARKS
1	1600A.3P.	MAIN CIRCUIT BREAKER	–	
2	200A.3P.	PANEL "A"	4–#3/0, 1–#6 GRD., 2"C.	
3	200A.3P.	PANEL "B"	4–#3/0, 1–#6 GRD., 2"C.	
4	200A.3P.	PANEL "C"	4–#3/0, 1–#6 GRD., 2"C.	
5	200A.3P.	PANEL "LS"	4–#3/0, 1–#6 GRD., 2"C.	
6	70A.3P.	PANEL "M"	4–#2, 1–#8 GRD., 1–1/2"C.	
7	600A.3P.	PANEL "EM"	(2) SETS 4–#350, 1–#1 GRD., 4"C	
8	80A.3P.	SURGE SUPPRESSOR	4–#4, 1–#8 GRD., 1–1/4"C.	
9	200A.3P.	EXISTING COLD STORAGE PANEL	4–#250 MCM, 1–#4 GRD., IN EX. 3"C	
10	–	SPACE	–	
11	–	SPACE	–	
13	–	SPACE	–	
14	–	SPACE	–	
15	–	SPACE	–	

PANEL "A" — MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 23.0

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	GARAGE LIGHTING	20/1	1	2	20/1	GARAGE LIGHTING	#12
	GARAGE LIGHTING		3	4		GARAGE LIGHTING	
	GARAGE LIGHTING		5	6		GARAGE LIGHTING	
	GARAGE LIGHTING		7	8		GARAGE LIGHTING	
	CONTACTOR "C2"		9	10		GARAGE LIGHTING	
	CONTACTOR "C3"		11	12		CONTACTOR "C4"	
#6	PARKING/DRIVEWAY LTG.	20/2	13	14		CONTACTOR "C5"	
–	–	–	15	16	20/2	FLAGPOLE LTG.	#10
#10	PARKING LOT LTG.	20/2	17	18	–	–	–
–	–	–	19	20	20/2	SIGN LTG.	#10
–	SPARE	20/1	21	22	–	–	–
–			23	24	20/1	SPARE	–
–			25	26			–
–			27	28			–
–			29	30			–
–	SPACE	–	31	32	–	SPACE	–
–		–	33	34	–		–
–		–	35	36	–		–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

PANEL "LS" — MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 8.7

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
① #12	FIRE ALARM CTRL PNL	20/1	1	2	20/1	TS GARAGE NL	#12
	TS GARAGE EM LTG.		3	4		TS GARAGE EM LTG.	
	VEHICLE MAINT. EM LTG.		5	6		TS GARAGE EM LTG.	
	CORR. NL		7	8		COLD STORAGE BLDG.	#6
	CORRIDOR NL		9	10		BLDG. MTD. LTG.	#10
–	SPARE		11	12	–	SPACE	–
–			13	14	–		–
–			15	16	–		–
–			17	18	–		–

① PROVIDE LOCKSTRAP ON THIS CIRCUIT BREAKER.

LOAD SUMMARY

	DEMAND KW.
RECEPTACLES	46.9 KW
LIGHTING	56.1 KW
A/C	16.2 KW
HEATING	7.9 KW
MOTORS	131.1 KW
MISC	20.2 KW

278.4 KW, 848 AMPS @ 208/3 ON A 1600 AMP SWITCHBOARD

PANEL "C" — MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 29.4

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	BRKRM/CORR/MENS RR RECEPTS.	20/1	1	2	20/1	GF–1 1/3 HP, 120/1	#12
	TM OFFICE/BRKRM RECEPTS.		3	4		GF–2 1/3 HP, 120/1	
	TM OFFICE/BRKRM RECEPTS.		5	6		GF–3 1/3 HP, 120/1	
	TRAFFIC OFF/CNTY. MGR OFF RECEPTS.		7	8		CORR/JAN/SHOWER RECEPTS.	
	STOR/TIMEKEEPER RECEPTS.		9	10		OFFICES/VEST RECEPTS.	
	EWC–1		11	12		MICROWAVE RECEPT.	
	RADIO/MECH/ELEC RECEPTS.		13	14		GAS WATER HEATER	
	EWH–1 120/1		15	16		GAS WATER HEATER	
① #10	CU–3	30/3	17	18	30/3	CU–1	#10 ①
–	14.9 FLA.	–	19	20	–	15.2 FLA.	–
–	208/3	–	21	22	–	208/3	– ①
#12	TMV	20/1	23	24	30/3	CU–2	#10
–	SPARE		25	26	–	14.9 FLA.	–
–			27	28	–	208/3	–
–			29	30	20/1	SPARE	–
–			31	32			–
–			33	34			–
–	SPACE	–	35	36	–	SPACE	–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

① PROVIDE HACR RATED CIRCUIT BREAKER.

PANEL "EP1" — MOUNTING SURFACE (DOUBLE TUB)
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 400 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 120.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#4	PARTS WASHER	70/2	1	2	20/1	GRINDER	#12
–	–	–	3	4		BEARING PRESS	
#12	AUTO TIRE CHANGER	20/1	5	6		TIRE BALANCER	
#12	TIRE SEPERATOR	20/1	7	8		BAND SAW	
#6	WELDER	50/2	9	10		DRILL PRESS	
–	208/1	–	11	12	60/3	PRESSURE WASHER	#6
#6	AIR COMPRESSOR	60/3	13	14	–	–	
–	15 HP	–	15	16	–	–	
–	208/3	–	17	18	20/3	EF–8	#12
#12	EF–7	20/3	19	20	–	3/4 HP	–
–	3/4 HP	–	21	22	–	208/3	–
–	208/3	–	23	24	30/1	OH DOOR 3/4 HP, 120/1	#10
#10	OH DOOR 3/4 HP, 120/1	30/1	25	26		OH DOOR 3/4 HP, 120/1	
	OH DOOR 3/4 HP, 120/1		27	28		OH DOOR 3/4 HP, 120/1	
	OH DOOR 3/4 HP, 120/1		29	30	20/3	MUA–2	#12
#12	MUA–1	20/3	31	32	–	3 HP	–
–	3 HP	–	33	34	–	208/3	–
–	208/3	–	35	36	20/1	CO DET/RECEPTS.	#12
#6	WELDER	50/2	37	38		AIR DRYER	
–	208/1	–	39	40		OMF–015/014/012.2 RECEPTS.	
#12	UNDERCARRIAGE SYSTEM	20/1	41	42		OMF–013/012.2/012.3 RECEPTS.	
–	SPARE		43	44		OMF–016/012.3 RECEPTS.	
#12	MTR. OPERATED DMPR.	+	45	46		INFRARED BURNER	
#4	LIFT STATION	50/3	47	48		INFRARED BURNER	
–	–	–	49	50		OMF–012.1/012.2 RECEPTS.	
–	–	–	51	52	60/3	BRIDGE CRANE	#6
–	SPARE	20/1	53	54	–	–	–
–			55	56	–	–	–
–			57	58	60/3	LIFT	#6
–			59	60	–	–	–
–			61	62	–	–	–
–	SPACE	–	63	64	20/1	SPARE	–
–	PORTABLE LIFT	–	65	66			–
–		–	67	68			–
–		–	69	70			–
–		–	71	72	–	SPACE	–
–		–	73	74	–		–
–		–	75	76	–		–
–		–	77	78	–		–
–		–	79	80	–		–
–		–	81	82	–		–
–		–	83	84	–		–

RFI 09
BULLETIN 002-9

PANEL "CS" (NEMA 3R) — MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 16.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	COLD STORAGE LTG.	20/1	1	2	20/1	COLD STORAGE RECEPTS.	#12
	COLD STORAGE LTG.		3	4		OVERHEAD DOOR	
	COLD STORAGE LTG.		5	6		OVERHEAD DOOR	
	OVERHEAD DOOR		7	8		OVERHEAD DOOR	
	OVERHEAD DOOR		9	10		OVERHEAD DOOR	
	OVERHEAD DOOR		11	12		SPARE	–
–	SPARE		13	14			–
–			15	16			–
–			17	18			–
–			19	20			–
–	SPACE	–	21	22	–	SPACE	–
–		–	23	24	–		–
–		–	25	26	–		–
–		–	27	28	–		–
–		–	29	30	–		–

PANEL "B" — MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 21.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	OMF–012.1 RECEPTS.	20/1	1	2	20/1	OMF–015/OMF–14/OMF–13 RECEPTS.	#12
	GFUH–2/3/4		3	4	30/2	OMF–014 RECEPTS.	#10
	MTR–OPERATED DMPR.		5	6	–	208/1	–
	INFRARED CNTRL PNL		7	8	20/1	OMF–013/012.3 RECEPTS.	#12
	EWC		9	10		OMF–012.2/012.3/016 RECEPTS.	
	OMF–012.2 RECEPTS.		11	12		TRUCK STORAGE RECEPTS.	
	INRARED CNTRL PNL		13	14		OMF–012.1/012.2 RECEPTS.	
	TRUCK STORAGE RECEPTS.		15	16	40/3	AIR COMPRESSOR	#8
	VENDING RECEPT.		17	18	–	5 HP	–
	CORRIDOR LTG.		19	20	–	208/3	–
	STOR/CORR/RR LTG.		21	22	20/1	VENDING RECEPT	#12
–	SPARE		23	24		SPARE	–
–			25	26			–
–			27	28			–
–			29	30			–
–	SPACE	–	31	32	–	SPACE	–
–		–	33	34	–		–
–		–	35	36	–		–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

PANEL "M" — MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 10.4

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	EF–9 1/2 HP, 120/1	20/1	1	2	20/3	EF–3	#12
#12	EF–4	20/3	3	4	–	1 HP	–
–	1 HP	–	5	6	–	208/3	–
–	208/3	–	7	8	20/1	EF–10 1/4 HP, 120/1	#12
#12	EF–5 1/4 HP, 120/1	20/1	9	10	20/3	EF–13	#12
–	SPARE		11	12	–	3/4 HP	–
–			13	14	–	208/3	–
–			15	16	20/1	EF–6 1/4 HP, 120/1	#12
–			17	18		EF–14 1/4 HP, 120/1	
–			19	20		EF–1 1/2 HP, 120/1	
–			21	22		EF–2 1/4 HP, 120/1	
–	SPACE	–	23	24	–	SPACE	–
–		–	25	26	–		–
–		–	27	28	–		–
–		–	29	30	–		–

PANEL "EM" — MOUNTING SURFACE DOUBLE TUB
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 600 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 196.7

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	TM OFFICE/BRKRM RECEPTS.	20/1	1	2	20/1	COUNTY MGR/TIMEKEEPER RECEPTS.	#12
	MECH/TRAFIC OFF RECEPTS.		3	4		OFFICE RECEPTS.	
	WELD BAY LTG.		5	6		REFRIGERATOR RECEPT.	
	WELD BAY LTG.		7	8		PHONE BOARD RECEPT.	
	LIGHT TRUCK LTG.		9	10		OH DOOR 3/4 HP, 120/1	
	LIGHT TRUCK LTG.		11	12	20/2	GEN. BLOCK HTR.	#12
	LIGHT TRUCK LTG.		13	14	–	–	–
	LIGHT TRUCK LTG.		15	16	20/3	MONORAIL	#12
	CONTACTOR "C6"		17	18	–	1.75 HP	–
	CONTACTOR "C7"		19	20	–	208/3	–
#12	EF–11	20/3	21	22	20/1	OH DOOR 3/4 HP, 120/1	#12
–	1–1/2 HP	–	23	24	20/1	OH DOOR 3/4 HP, 120/1	#12
–	208/3	–	25	26	60/3	BRINE BUILDING PANEL	#1/0 ③
#6	SALT STORAGE	30/1	27	28	–	–	–
#10	VEHICLE MAINT. BLDG. MTD. LTG.	20/1	29	30	–	–	–
#12	O.H. DOOR CONTROLS	20/1	31	32	20/1	MTR. OPERATED DMPR.	#12
	CONTACTOR "C8"		33	34	20/1	OH DOOR 3/4 H.P., 120/1	#12
	RADIO ROOM RECEPT.		35	36	30/2	CALCIUM TANK	#2
	PARTS/COMPRESSOR LTG.		37	38	–	208/1	–
#10	GATE OPERATOR	30/3	39	40	20/1	OH DOOR 3/4 H.P., 120/1	#12
–	–	–	41	42		IR GARAGE HEATERS	
–	–	–	43	44		IR GARAGE HEATERS	
#12	SECURITY PANEL	20/1	45	46		WASHBAY LTG.	
#12	OFFICES/BRKRM LTG.	20/1	47	48		MAIN COMPUTER	
#12	EF–12	20/3	49	50		DATA RACKS	
–	1–1/2 HP	–	51	52		DATA RACKS	
–	208/3	–	53	54	30/2	DIESEL PUMP	#10 ②
#12	GEN. BATT. CHGR.	20/1	55	56	–	–	–
	CO DETECTORS		57	58	30/1	MATERIAL STORAGE	#4
	CO DETECTORS		59	60	20/3	GATE OPERATOR	#10
	OFFICE/ELEC/RADIO/MECH/RR LTG.		61	62	–	–	–
#500	PANEL "EP1"	400/3	63	64	–	–	–
–	–	–	65	66	20/1	TRUCK STORAGE BLDG. MTD. LTG.	#10
–	–	–	67	68	30/2	GAS PUMP	#10 ②
–	SPARE	20/1	69	70	–	–	–
–			71	72	20/1	SPARE	–
–			73	74			–
–			75	76			–
–			77	78			–
–	SPACE	–	79	80	–	SPACE	–
–		–	81	82	–		–
–		–	83	84	–		–

① PROVIDE LOCKSTRAP ON THIS CIRCUIT BREAKER.
② PROVIDE SPECIAL 2–POLE BREAKER TO ALSO DISCONNECT NEUTRAL CONDUCTOR.
③ PROVIDE HACR RATED CIRCUIT BREAKER.

BULLETIN 002
RFI 19

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

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E502

ELECTRICAL SCHEDULES

208V. DISTRIBUTION PANEL SCHEDULE

PANEL "MDP" (TVSS)
VOLTAGE 208/120V.,3ø,4W.
AMPS 1600A CONN. KW. 304.2

NO.	SWITCH/CIRCUIT BREAKER	LOAD	FEEDERS & CONDUIT	REMARKS
1	1600A.3P.	MAIN CIRCUIT BREAKER	–	
2	200A.3P.	PANEL "A"	4-#3/0, 1-#6 GRD., 2"C.	
3	200A.3P.	PANEL "B"	4-#3/0, 1-#6 GRD., 2"C.	
4	200A.3P.	PANEL "C"	4-#3/0, 1-#6 GRD., 2"C.	
5	200A.3P.	PANEL "LS"	4-#3/0, 1-#6 GRD., 2"C.	
6	70A.3P.	PANEL "M"	4-#2, 1-#8 GRD., 1-1/2"C.	
7	600A.3P.	PANEL "EM"	(2) SETS 4-#350, 1-#1 GRD., 4"C	
8	80A.3P.	SURGE SUPPRESSOR	4-#4, 1-#8 GRD., 1-1/4"C.	
9	200A.3P.	EXISTING COLD STORAGE PANEL	4-#250 MCM, 1-#4 GRD., IN EX. 3"C	
10	–	SPACE	–	
11	–	SPACE	–	
13	–	SPACE	–	
14	–	SPACE	–	
15	–	SPACE	–	

PANEL "C" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 29.4

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	BRKRM/CORR/MENS RR RECEPTS.	20/1	1	2	20/1	GF-1 1/3 HP, 120/1	#12
	TM OFFICE/BRKRM RECEPTS.		3	4		GF-2 1/3 HP, 120/1	
	TM OFFICE/BRKRM RECEPTS.		5	6		GF-3 1/3 HP, 120/1	
	TRAFFIC OFF/CNTY. MGR OFF RECEPTS.		7	8		CORR/JAN/SHOWER RECEPTS.	
	STOR/TIMEKEEPER RECEPTS.		9	10		OFFICES/VEST RECEPTS.	
	EWC-1		11	12		MICROWAVE RECEPT.	
	RADIO/MECH/ELEC RECEPTS.		13	14		GAS WATER HEATER	
	EWH-1 120/1		15	16		GAS WATER HEATER	
① #10	CU-3	30/3	17	18	30/3	CU-1	#10 ①
–	14.9 FLA.	–	19	20	–	15.2 FLA.	–
–	208/3	–	21	22	–	208/3	– ①
#12	TMV	20/1	23	24	30/3	CU-2	#10
–	SPARE		25	26	–	14.9 FLA.	–
–			27	28	–	208/3	–
–			29	30	20/1	SPARE	–
–			31	32			–
–			33	34			–
–	SPACE	–	35	36	–	SPACE	–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

① PROVIDE HACR RATED CIRCUIT BRERAKER.

PANEL "B" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 21.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	OMF-012.1 RECEPTS.	20/1	1	2	20/1	OMF-015/OMF-14/OMF-13 RECEPTS.	#12
	GFUH-2/3/4		3	4	30/2	OMF-014 RECEPTS.	#10
	MTR-OPERATED DMPR.		5	6	–	208/1	–
	INFRARED CNTRL PNL		7	8	20/1	OMF-013/012.3 RECEPTS.	#12
	EWC		9	10		OMF-012.2/012.3/016 RECEPTS.	
	OMF-012.2 RECEPTS.		11	12		TRUCK STORAGE RECEPTS.	
	INRARED CNTRL PNL		13	14		OMF-012.1/012.2 RECEPTS.	
	TRUCK STORAGE RECEPTS.		15	16	40/3	AIR COMPRESSOR	#8
	VENDING RECEPT.		17	18	–	5 HP	–
	CORRIDOR LTG.		19	20	–	208/3	–
	STOR/CORR/RR LTG.		21	22	20/1	VENDING RECEPT	#12
–	SPARE		23	24		SPARE	–
–			25	26			–
–			27	28			–
–			29	30			–
–	SPACE	–	31	32	–	SPACE	–
–		–	33	34	–		–
–		–	35	36	–		–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

PANEL "A" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 200 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 23.0

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	GARAGE LIGHTING	20/1	1	2	20/1	GARAGE LIGHTING	#12
	GARAGE LIGHTING		3	4		GARAGE LIGHTING	
	GARAGE LIGHTING		5	6		GARAGE LIGHTING	
	GARAGE LIGHTING		7	8		GARAGE LIGHTING	
	CONTACTOR "C2"		9	10		GARAGE LIGHTING	
	CONTACTOR "C3"		11	12		CONTACTOR "C4"	
#6	PARKING/DRIVEWAY LTG.	20/2	13	14		CONTACTOR "C5"	
–	–	–	15	16	20/2	FLAGPOLE LTG.	#10
#10	PARKING LOT LTG.	20/2	17	18	–	–	–
–	–	–	19	20	20/2	SIGN LTG.	#10
–	SPARE	20/1	21	22	–	–	–
–			23	24	20/1	SPARE	–
–			25	26			–
–			27	28			–
–			29	30			–
–	SPACE	–	31	32	–	SPACE	–
–		–	33	34	–		–
–		–	35	36	–		–
–		–	37	38	–		–
–		–	39	40	–		–
–		–	41	42	–		–

PANEL "EP1" MOUNTING SURFACE (DOUBLE TUB)
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 400 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 120.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#4	PARTS WASHER	70/2	1	2	20/1	GRINDER	#12
–	–	–	3	4		BEARING PRESS	
#12	AUTO TIRE CHANGER	20/1	5	6		TIRE BALANCER	
#12	TIRE SEPERATOR	20/1	7	8		BAND SAW	
#6	WELDER	50/2	9	10		DRILL PRESS	
–	208/1	–	11	12	60/3	PRESSURE WASHER	#6
#6	AIR COMPRESSOR	60/3	13	14	–	–	–
–	15 HP	–	15	16	–	–	–
–	208/3	–	17	18	20/3	EF-8	#12
#12	EF-7	20/3	19	20	–	3/4 HP	–
–	3/4 HP	–	21	22	–	208/3	–
–	208/3	–	23	24	30/1	OH DOOR 3/4 HP, 120/1	#10
#10	OH DOOR 3/4 HP, 120/1	30/1	25	26		OH DOOR 3/4 HP, 120/1	
	OH DOOR 3/4 HP, 120/1		27	28		OH DOOR 3/4 HP, 120/1	
	OH DOOR 3/4 HP, 120/1		29	30	20/3	MUA-2	#12
#12	MUA-1	20/3	31	32	–	3 HP	–
–	3 HP	–	33	34	–	208/3	–
–	208/3	–	35	36	20/1	CO DET/RECEPTS.	#12
#6	WELDER	50/2	37	38		AIR DRYER	
–	208/1	–	39	40		OMF-015/014/012.2 RECEPTS.	
#12	UNDERCARRIAGE SYSTEM	20/1	41	42		OMF-013/012.2/012.3 RECEPTS.	
–	SPARE		43	44		OMF-016/012.3 RECEPTS.	
#12	MTR. OPERATED DMPR.		45	46		INFRARED BURNER	
#4	LIFT STATION	50/3	47	48		INFRARED BURNER	
–	–	–	49	50		OMF-012.1/012.2 RECEPTS.	
–	–	–	51	52	60/3	BRIDGE CRANE	#6
–	SPARE	20/1	53	54	–	–	–
–			55	56	–	–	–
–			57	58	60/3	LIFT	#6
–			59	60	–	–	–
–			61	62	–	–	–
#10	PORTABLE LIFT	30/3	63	64	20/1	SPARE	–
–	–	–	65	66			–
–	–	–	67	68			–
–	SPACE	–	69	70			–
–			71	72	–	SPACE	–
–		–	73	74	–		–
–		–	75	76	–		–
–		–	77	78	–		–
–		–	79	80	–		–
–		–	81	82	–		–
–		–	83	84	–		–

PANEL "M" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 10.4

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	EF-9 1/2 HP, 120/1	20/1	1	2	20/3	EF-3	#12
#12	EF-4	20/3	3	4	–	1 HP	–
–	1 HP	–	5	6	–	208/3	–
–	208/3	–	7	8	20/1	EF-10 1/4 HP, 120/1	#12
#12	EF-5 1/4 HP, 120/1	20/1	9	10	20/3	EF-13	#12
–	SPARE		11	12	–	3/4 HP	–
–			13	14	–	208/3	–
–			15	16	20/1	EF-6 1/4 HP, 120/1	#12
–			17	18		EF-14 1/4 HP, 120/1	
–			19	20		EF-1 1/2 HP, 120/1	
–			21	22		EF-2 1/4 HP, 120/1	
–	SPACE	–	23	24	–	SPACE	–
–		–	25	26	–		–
–		–	27	28	–		–
–		–	29	30	–		–

PANEL "LS" MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 8.7

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
① #12	FIRE ALARM CTRL PNL	20/1	1	2	20/1	TS GARAGE NL	#12
	TS GARAGE EM LTG.		3	4		TS GARAGE EM LTG.	
	VEHICLE MAINT. EM LTG.		5	6		TS GARAGE EM LTG.	
	CORR. NL		7	8		COLD STORAGE BLDG.	#6
	CORRIDOR NL		9	10		BLDG. MTD. LTG.	#10
–	SPARE		11	12	–	SPACE	–
–			13	14	–		–
–			15	16	–		–
–			17	18	–		–

① PROVIDE LOCKSTRAP ON THIS CIRCUIT BREAKER.

PANEL "EM" MOUNTING SURFACE DOUBLE TUB
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 600 AMP. MAIN BREAKER: NONE AMP. CONN. KW. 196.7

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	TM OFFICE/BRKRM RECEPTS.	20/1	1	2	20/1	COUNTY MGR/TIMEKEEPER RECEPTS.	#12
	MECH/TRAFIC OFF RECEPTS.		3	4		OFFICE RECEPTS.	
	WELD BAY LTG.		5	6		REFRIGERATOR RECEPT.	
	WELD BAY LTG.		7	8		PHONE BOARD RECEPT.	
	LIGHT TRUCK LTG.		9	10		OH DOOR 3/4 HP, 120/1	
	LIGHT TRUCK LTG.		11	12	20/2	GEN. BLOCK HTR.	#12
	LIGHT TRUCK LTG.		13	14	–	–	–
	LIGHT TRUCK LTG.		15	16	20/3	MONORAIL	#12
	CONTACTOR "C6"		17	18	–	1.75 HP	–
	CONTACTOR "C7"		19	20	–	208/3	–
#12	EF-11	20/3	21	22	20/1	OH DOOR 3/4 HP, 120/1	#12
–	1-1/2 HP	–	23	~~24~~	~~20/1~~	~~OH DOOR 3/4 HP, 120/1~~	~~#10~~
–	208/3	–	25	26	100/3	BRINE BUILDING PANEL	#4/0 ③
#6	SALT STORAGE	30/1	27	28	–	–	–
#10	VEHICLE MAINT. BLDG. MTD. LTG.	20/1	29	30	–	–	–
#12	O.H. DOOR CONTROLS	20/1	31	~~32~~	~~20/1~~	~~MTR. OPERATED DMPR.~~	~~#12~~
	CONTACTOR "C8"		33	34	20/1	OH DOOR 3/4 H.P., 120/1	#12
	RADIO ROOM RECEPT.		35	36	30/2	CALCIUM TANK	#2
	PARTS/COMPRESSOR LTG.		37	38	–	208/1	–
#10	GATE OPERATOR	30/3	39	40	20/1	OH DOOR 3/4 H.P., 120/1	#12
–	–	–	41	42		IR GARAGE HEATERS	
–	–	–	43	44		IR GARAGE HEATERS	
#12	SECURITY PANEL	20/1	45	46		WASHBAY LTG.	
#12	OFFICES/BRKRM LTG.	20/1	47	48		MAIN COMPUTER	
#12	EF-12	20/3	49	50		DATA RACKS	
–	1-1/2 HP	–	51	52		DATA RACKS	
–	208/3	–	53	54	30/2	DIESEL PUMP	#10 ②
#12	GEN. BATT. CHGR.	20/1	55	56	–	–	–
	CO DETECTORS		57	58	30/1	MATERIAL STORAGE	#4
	CO DETECTORS		59	60	20/3	GATE OPERATOR	#10
	OFFICE/ELEC/RADIO/MECH/RR LTG.		61	62	–	–	–
#500	PANEL "EP1"	400/3	63	64	–	–	–
–	–	–	65	66	20/1	TRUCK STORAGE BLDG. MTD. LTG.	#10
–	–	–	67	68	30/2	GAS PUMP	#10 ②
–	SPARE	20/1	69	70	–	–	–
–			71	72	20/1	SPARE	–
–			73	74			–
–			75	76			–
–			77	78			–
–	SPACE	–	79	80	–	SPACE	–
–		–	81	82	–		–
–		–	83	84	–		–

① PROVIDE LOCKSTRAP ON THIS CIRCUIT BREAKER.
② PROVIDE SPECIAL 2-POLE BREAKER TO ALSO DISCONNECT NEUTRAL CONDUCTOR.
③ PROVIDE HACR RATED CIRCUIT BREAKER.

PANEL "CS" (NEMA 3R) MOUNTING SURFACE
208/120 VOLTS, 3 PHASE, 4 WIRE
BUS SIZE: 100 AMP. MAIN BREAKER: 70A.3P. AMP. CONN. KW. 16.3

WIRE SIZE	LOAD	CB/P	CIR. NO.	CIR. NO.	CB/P	LOAD	WIRE SIZE
#12	COLD STORAGE LTG.	20/1	1	2	20/1	COLD STORAGE RECEPTS.	#12
	COLD STORAGE LTG.		3	4		OVERHEAD DOOR	
	COLD STORAGE LTG.		5	6		OVERHEAD DOOR	
	OVERHEAD DOOR		7	8		OVERHEAD DOOR	
	OVERHEAD DOOR		9	10		OVERHEAD DOOR	
	OVERHEAD DOOR		11	12		SPARE	–
–	SPARE		13	14			–
–			15	16			–
–			17	18			–
–			19	20			–
–	SPACE	–	21	22	–	SPACE	–
–		–	23	24	–		–
–		–	25	26	–		–
–		–	27	28	–		–
–		–	29	30	–		–

LOAD SUMMARY

	DEMAND KW.
RECEPTACLES	46.9 KW
LIGHTING	56.1 KW
A/C	16.2 KW
HEATING	7.9 KW
MOTORS	131.1 KW
MISC	20.2 KW

278.4 KW, 848 AMPS @ 208/3 ON A 1600 AMP SWITCHBOARD

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006
ATHENS FULL SERVICE MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014

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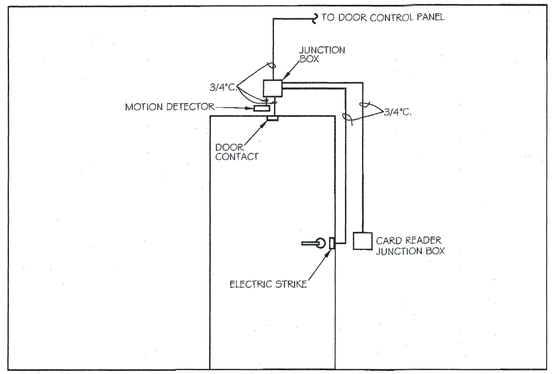
E502

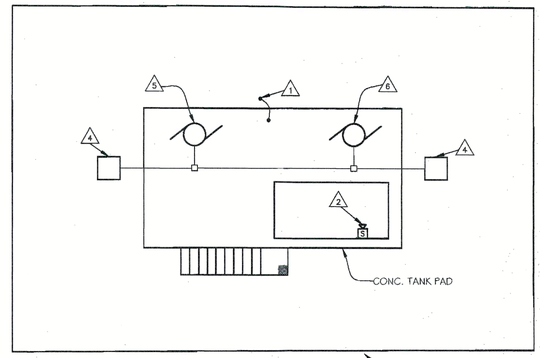
ELECTRICAL SCHEDULES



TYPICAL MAN DOOR

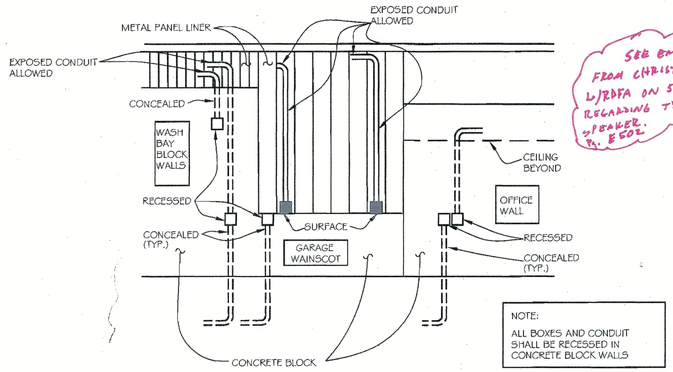
0 NTS

NOTE: POWER TO DEVICES IS THRU HEAD END UNIT BY OTHERS.



ABOVE GROUND FUEL STATION GROUNDING PLAN

0 NTS



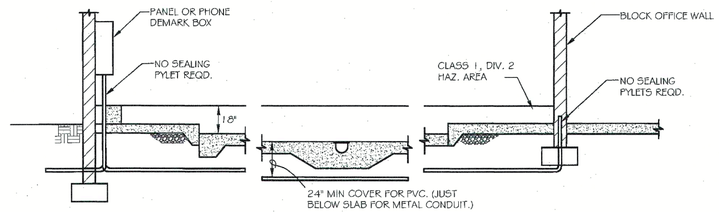
SURFACE/RECESSED/CONCEALED DEVICE & CONDUIT CONDITIONS

0 NTS

SEE EMAIL FROM CHRISTI JEWELL L/RDFA ON 5 DEC REGARDING THIS OF 1 BREAKER. R. ESOL.

ELECTRICAL CODED NOTES

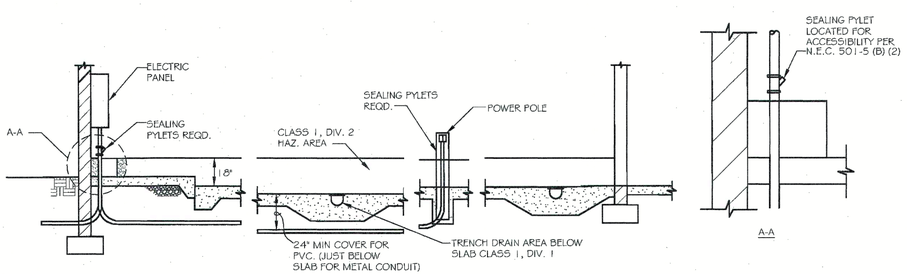
1. 5/8" X 10'-0" LONG GROUND ROD.
2. PROVIDE INTERCOM SPEAKER HORN AND 1" CONDUIT UNDERGROUND WITH WIRING TO TELEPHONE BOARD IN RADIO ROOM OMF-11. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGHING IN.
3. PROVIDE 1" RGS CONDUIT FROM MFMU STUBBED UP ADJACENT TO FUEL STORAGE TANK FOR FUEL LEVEL MONITOR SYSTEM. CAP CONDUIT FOR FUTURE USE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGHING IN.
4. REMOTE FUEL DISPENSER.
5. DIESEL PUMP 3/4 HP, 120/1 WITH INTEGRAL SWITCH. WIRE THRU SHUT-OFF CONTACTOR IN TIME KEEPER OMF-005 TO CIRCUIT INDICATED IN A 1" PVC CONDUIT. PROVIDE 2-POLE BREAKER TO DISCONNECT BOTH HOT AND NEUTRAL CONDUCTORS.
6. GASOLINE PUMP 3/4 HP, 120/1 WITH INTEGRAL SWITCH. WIRE THRU SHUT-OFF CONTACTOR IN TIME KEEPER OMF-005 TO CIRCUIT INDICATED IN A 1" PVC CONDUIT. PROVIDE 2-POLE BREAKER TO DISCONNECT BOTH HOT AND NEUTRAL CONDUCTORS.
7. 12"x12"x6" DEEP CAST-IN-PLACE JUNCTION BOX WITH FLUSH COVER. STUB UP CONDUITS 4" INSIDE JUNCTION BOX FOR FUTURE MFMU. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGHING IN.
8. PROVIDE 1" RGS CONDUIT TO PANEL "EM" FOR MFMU FUTURE POWER.
9. PROVIDE 1" RGS CONDUITS BETWEEN MFMU AND EACH FUEL DISPENSER FOR FUTURE PULSE AND PUMP CONTROL. VERIFY EXACT LOCATION PRIOR TO ROUGHING IN.
10. PROVIDE 1" RGS CONDUIT FROM MFMU TO TIME KEEPER OMF-005 FOR FUTURE TANK MONITOR, PHONE, AND PRINTER CABLES.



SECTION THRU GARAGE - HAZARDOUS LOCATIONS

0 1/4"=1'-0"

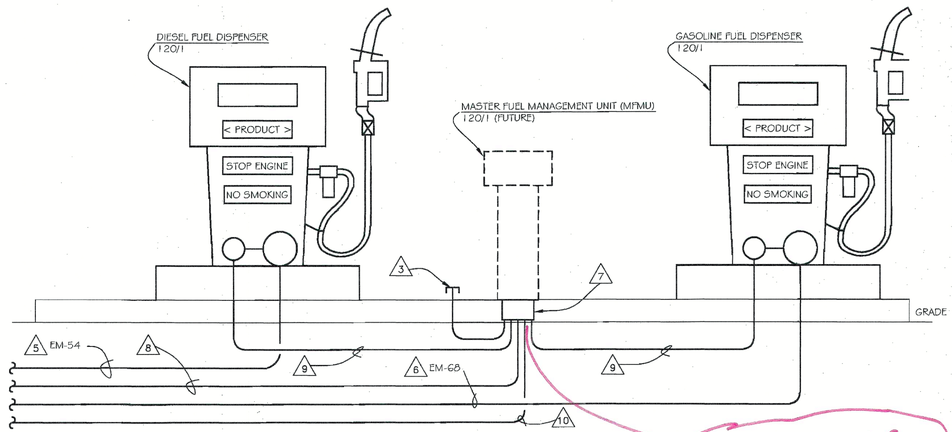
NOTE: SEALING PYLETS NOT REQD. WHERE CONDUIT DOES NOT PASS THRU HAZARDOUS CLASSIFIED AREA, PER N.E.C. 511-4.



SECTION THRU GARAGE - HAZARDOUS LOCATIONS

0 1/4"=1'-0"

NOTE: SEALING PYLETS REQD. BOTH ENDS, WHERE CONDUIT PASSES THRU HAZARDOUS AREA.



ELECTRICAL FUEL STATION SCHEMATIC

0 NTS

14 Conduit added for data per Fuel Management Manufacturer.

HAZARDOUS LOCATIONS (APPLIES TO ALL SHEETS):

1. THE FUEL ISLAND SHALL BE CONSIDERED TO BE A CLASS 1, DIVISION 1 AND 2 LOCATION. ELECTRICAL CONTRACTOR SHALL COMPLY WITH NEC REQUIREMENTS, INCLUDING ARTICLES 501 AND 514.
   - PROVIDE EXPLOSION PROOF SEALING FITTINGS AT EACH END OF ALL CONDUITS ORIGINATING AT THE FUEL ISLAND AS REQUIRED PER NEC ARTICLE 514.9.
2. IN THE TRUCKSTORAGE, VEHICLE MAINTENANCE AND WASH BAY, ALL AREAS LOCATED BELOW 18" A.F.F ARE CLASSIFIED AS CLASS 1, DIVISION 2 LOCATIONS. CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 511.4.
   - ALL CONDUITS SHALL BE CONCEALED IN MASONRY WALLS; OTHERWISE SEALING FITTINGS PER NEC 501.5 ARE REQUIRED WHERE CONDUITS EXTEND THROUGH THE CLASS 1 DIVISION 2 AREA LOCATED UP TO 18 IN. A.F.F.
3. ALL CONDUITS REQUIRING SEALING FITTINGS WHICH ARE TO BE LEFT EMPTY ARE TO BE INSTALLED WITH THREADED CAPS IN LIEU OF SEALANT.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51888
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

PERMIT DOCUMENTS
MAY 16, 2014

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E701

ELECTRICAL DETAILS

Roger D. Fields & Associates • 4588 Kenny Road • Columbus, Ohio 43220-2777
Phone: (614) 451-2248 • Fax: (614) 451-6628
www.rdfa.com • Email: rogerfields@rdfa.com

ODOT Athens

BULLETIN

ELECTRICAL CONTRACT

ITEM 1. Sheet E0201 "Office Electrical Power Plan", Break Room OMF-006: Provide a Peerless suspended ceiling projector mount model #CMJ453, or approved equal, with a duplex receptacle wired to circuit C-3, data outlet, and 1-1/2" conduit back to a wallbox. Coordinate location of projector mount and wallbox with Owner.

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Phone: (614) 451-2248 • Fax: (614) 451-6628
www.rdfa.com • Email: rogerfields@rdfa.com

ODOT Athens

BULLETIN

ELECTRICAL CONTRACT

ITEM 1. Sheet E0201 "Office Electrical Power Plan":

A. OMF-022 Vestibule: Provide power for handicapped accessible door openers as specified in Bulletin #008. Wire to spare 20A.1P. circuit breaker in Panel "EM" with #12 awg. wiring. Install backboxes as required and wire complete. Exterior pushbutton to be installed on latch side of the door.

B. OMF-010 Mechanical Room: Door into room will have a card reader on the corridor side (Coded Note #19).

RE: Generator

Flannery, Shawn <Shawn.Flannery@dot.state.oh.us>

Wed 7/23/2014 3:05 PM

To:Andry, Tom <tandry@thomas-marker.com>;

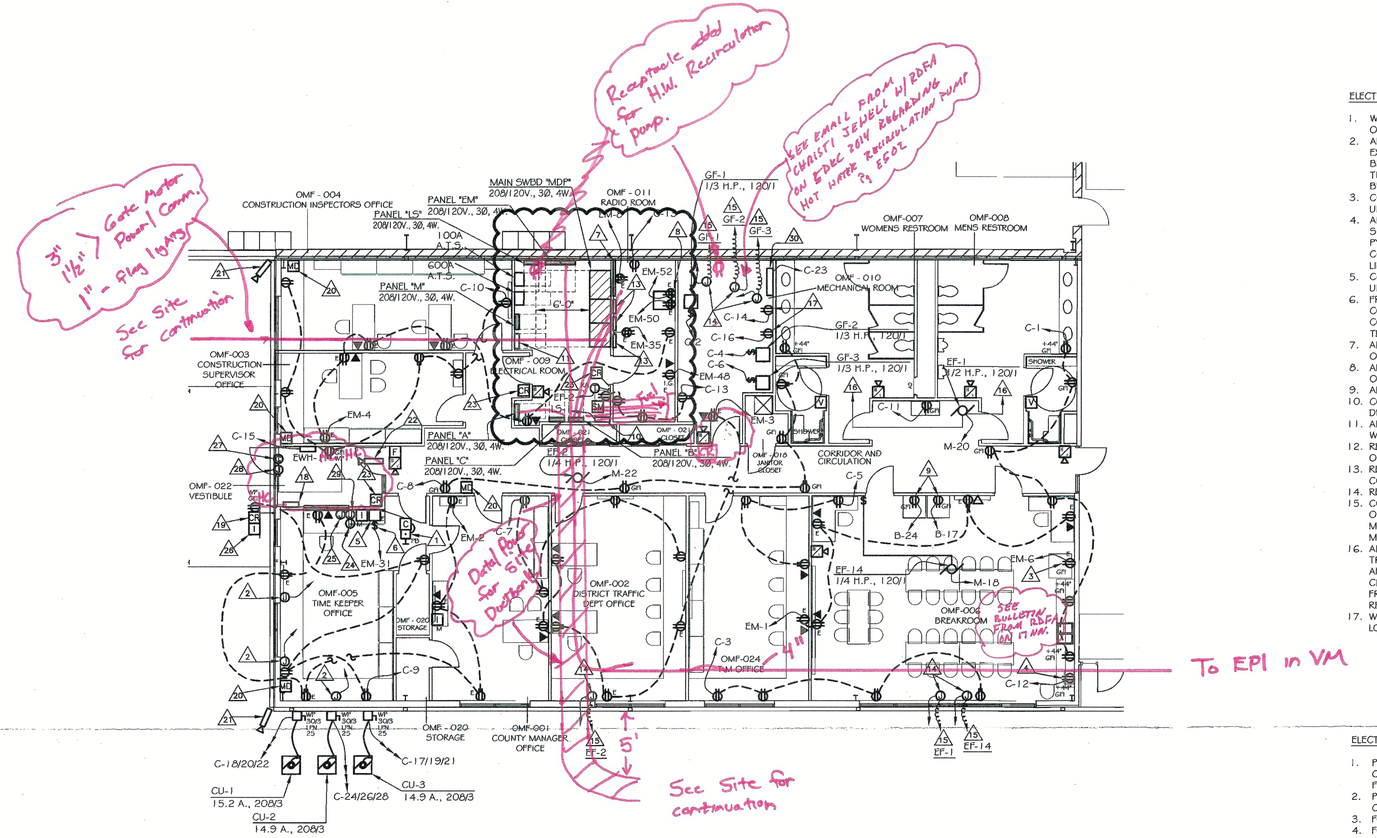
Cc:Oster, Rich <Rich.Oster@dot.state.oh.us>;

Tom,

I spoke with Rich and we both agree the Mechanics office is an acceptable location for the generator annunciator.

Thanks

Shawn W. Flannery
Transportation Administrator
Athens County
Office(740)568-4321
Cell(740)516-4947
Fax(740)592-1434
Shawn.Flannery@dot.state.oh.us



OFFICE ELECTRICAL POWER PLAN

FLOOR PLAN FACILITY OFFICE

0 8' NORTH

Lines For Fire Alarm Monitoring
Frontier Communications

Order #	Line #
34669845	740-589-7129
34669848	740-589-7132

ELECTRICAL GENERAL NOTES (APPLIES TO ALL SHEETS)

1. WIRE ALL FIRE ALARM DEVICES TO FIRE ALARM CONTROL PANEL IN ELECTRICAL ROOM OMF-009.
2. ALL DEVICE, FIXTURE AND SWITCH BOXES AND CONDUITS THERETO LOCATED ON EXTERIOR WALLS IN TRUCK STORAGE, VEHICLE MAINTENANCE, AND WASH BAY SHALL BE RECESSED IN (CONDUITS SEALED BEHIND) METAL BUILDING LINER PANELS AND IN THE MASONRY WALLS SEPARATING THE GARAGE FROM THE REMAINDER OF THE BUILDING.
3. COORDINATE LOCATION OF ALL HOLES THROUGH STEEL GIRTS FOR CONDUITS RISING UP THROUGH FLOOR OR DOWN FROM CEILING.
4. ALL CONDUITS RUNNING THROUGH A CLASS 1 DIV. 2 AREA AND EXTENDED UNDER THE SLAB IN TRUCK STORAGE, VEHICLE MAINTENANCE, WASH BAY WILL REQUIRE SEALING PYLETS AT EACH END PER NEC ARTICLES 500, 501, 511, AND 514. SPARE CONDUITS WHICH ARE TO REMAIN EMPTY ARE TO HAVE THREADED CAPS INSTALLED IN LIEU OF SEALANT.
5. COORDINATE LOCATIONS OF ALL UNDERSLAB CONDUITS WITH BUILDING FRAME UNDERGROUND TENSIONING RODS.
6. FROM EACH COMBINATION DATA/TELEPHONE OUTLET, EXTEND DATA CABLE TO MAIN COMPUTER IN RADIO ROOM. PROVIDE ALL TELEPHONE AND DATA CABLES AND FINAL CONNECTIONS AT THE FACEPLATES. PROVIDE THREE (3) CAT 6 CABLES TO EACH TELEPHONE/DATA OUTLET.
7. ALL NON-METALLIC RIGID CONDUIT BELOW THE SLAB SHALL HAVE A MINIMUM OF 24" OF COVER.
8. ALL FINAL TERMINATIONS OF TELEPHONE AND DATA CABLE AT THE RACK TO BE BY OWNER.
9. ALL EXPOSED CONNECTIONS IN WASH BAY SHALL BE WATERTIGHT.
10. COORDINATE ALL CONDUIT LOCATIONS AND ELECTRICAL EQUIPMENT LOCATIONS WITH DUCTWORK, HVAC EQUIPMENT, PIPING, MONORAIL, CRANE, ETC.
11. ALL PENETRATIONS THROUGH 2-HOUR FIRE SEPARATION ASSEMBLIES SHALL BE DONE WITH U.L. THROUGH PENETRATION FIRE STOP DETAILS.
12. REFER TO TYPICAL MAN DOOR DETAIL ON SHEET E701 FOR ROUGHINS FOR ALL OUTSIDE MAN DOORS ON SITE.
13. REFER TO HVAC AND PLUMBING PLANS FOR EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
14. RECEPTACLE, SWITCHES, AND PLATES ARE TO BE IVORY IN THE OFFICE AREA.
15. COORDINATE LOCATION OF ALL LIGHTING FIXTURES IN TRUCK STORAGE, WELD BAY OMF-012.1, LIGHT TRUCK MAINTENANCE BAY OMF-012.2, HEAVY TRUCK MAINTENANCE BAY OMF-012.3, AND WASH BAY OMF-012.3 WITH DUCTWORK, MAKE-UP AIR UNITS, RADIANT HEATERS, PIPING, MONORAIL, CRANE, ETC.
16. ALL LIGHTING FIXTURES INSTALLED IN MAINTENANCE WELD BAY OMF-012.1, LIGHT TRUCK MAINTENANCE BAY OMF-012.2, HEAVY TRUCK MAINTENANCE BAY OMF-012.3, AND WASH BAY OMF-012.3 SHALL BE MOUNTED ON PURLINS OR ON UNISTRUT CHANNELS FASTENED TO PURLINS. DO NOT HANG OR SUPPORT WEIGHT OF FIXTURES FROM INNER ROOF LINER PANEL. COMPLY WITH METAL BUILDING MANUFACTURER'S REQUIREMENTS FOR ATTACHMENT TO PURLINS.
17. WIRE BATTERY-OPERATED EXIT LIGHTS TO CIRCUIT SERVING ROOM/AREA AHEAD OF LOCAL SWITCH.

ELECTRICAL CODED NOTES △

1. PROVIDE PUSHBUTTON "SHUT-OFF" SWITCH AND 30A.4P. FUEL SHUTOFF CONTACTOR IN THIS ROOM. LABEL AND WIRE TO GAS AND DIESEL FUEL PUMPS AT FUEL STATION. REFER TO SITE UTILITY PLAN E021 FOR LOCATION.
2. PROVIDE 4"X4" RECESSED OUTLET BOX WITH BLANK COVER PLATE @18" A.F.F. AND 1" CONDUIT WITH PULLWIRE TO RADIO ROOM OMF-011 FUTURE USE.
3. FOR REFRIGERATOR 120/1.
4. FOR MICROWAVE 120/1.
5. PROVIDE 18-POLE CONTROL RELAY LOCATED ABOVE ACCESSIBLE CEILING FOR DISCONNECTING CONTROL POWER TO ALL (11) OVERHEAD DOOR OPERATORS. PROVIDE ON-OFF SWITCH IN TIMEKEEPER OMF-005 AND LABEL.
6. OVERHEAD DOORS ON-OFF SWITCH.
7. 8'W. X 4'H. X 3/4"D. PLYWOOD FIRE RESISTANT PAINTED TELEPHONE BOARD WITH QUADRUPLEX RECEPTACLE MOUNTED @72" A.F.F.
8. PROVIDE FLOOR MOUNTED 7'H. X 24"D. SERVER RACK WITH (2) 80 CFM FANS FOR OWNER PROVIDED EQUIPMENT.
9. FOR VENDING 120/1.
10. FIRE ALARM CONTROL PANEL.
11. LOW VOLTAGE RELAY PANEL "RP".
12. (NOT USED).
13. SECURITY PANEL BY OTHERS. WIRE TO CIRCUIT EM-45.
14. PROVIDE POWER WIRING FOR 120 VOLT MOTOR-OPERATED DAMPER(S) AS REQUIRED. WIRE TO NEAREST AVAILABLE RECEPTACLE CIRCUIT.
15. INTERLOCK 1 20V. MOTOR-OPERATED OUTSIDE AIR DAMPER WITH UNIT INDICATED.
16. WIRE DOWN TO LIGHTS IN THIS ROOM. EXHAUST FAN TO TURN ON WHEN LIGHTS IN EITHER ROOM ARE TURNED ON.
17. FOR GAS WATER HEATER 120/1.
18. FIRE ALARM REMOTE ANNUNCIATOR PANEL.
19. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND CONDUIT WITH PULLWIRE FOR CARD READER BACK TO RADIO ROOM OMF-011 FOR USE BY OTHERS.
20. PROVIDE RECESSED JUNCTION BOX MOUNTED ON WALL AT CEILING AND EXTEND CONDUIT WITH PULLWIRE UP TO ABOVE ACCESSIBLE CEILING FOR MOTION DETECTOR BY OTHERS.
21. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR CCTV CAMERA BY OTHERS. COORDINATE MOUNTING HEIGHT IN FIELD WITH CCTV CAMERA PROVIDER.
22. PROVIDE JUNCTION BOX IN CEILING FOR CCTV CAMERA BY OTHERS.
23. PROVIDE RECESSED JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR CARD READER BY OTHERS.
24. PROVIDE RECESSED JUNCTION BOX IN WALL AT 18" A.F.F. AND EXTEND CONDUIT WITH PULLWIRE TO RADIO ROOM OMF-011 FOR USE BY OTHERS.
25. EXTEND EXISTING CONDUIT FROM GATE TO THIS LOCATION. PROVIDE WIRING AS REQUIRED BY GATE MANUFACTURER. MINIMUM OF 4-#10 AWG. IN EXISTING CONDUIT.
26. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR INTERCOM STATION BY OTHERS. COORDINATE MOUNTING HEIGHT IN FIELD WITH EQUIPMENT PROVIDER.
27. PROVIDE CONDUIT WITH PULLWIRE FOR DOOR CONTACT FROM TOP OF DOOR FRAME STUBBED UP TO NEAREST ACCESSIBLE CEILING FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER.
28. PROVIDE CONDUIT WITH PULLWIRE FOR ELECTRIC DOOR STRIKE FROM TOP OF DOOR FRAME STUBBED UP TO NEAREST ACCESSIBLE CEILING FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER.
29. PROVIDE JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING FOR DURESS ALARM BY OTHERS.
30. THERMOSTATIC MIXING VALVE ASSEMBLY 120/1. PROVIDE CONTROL WIRING TO AQUASTAT, TIMER AND PUMP AS REQUIRED.

THOMAS & MARKER CONSTRUCTION

RDFA

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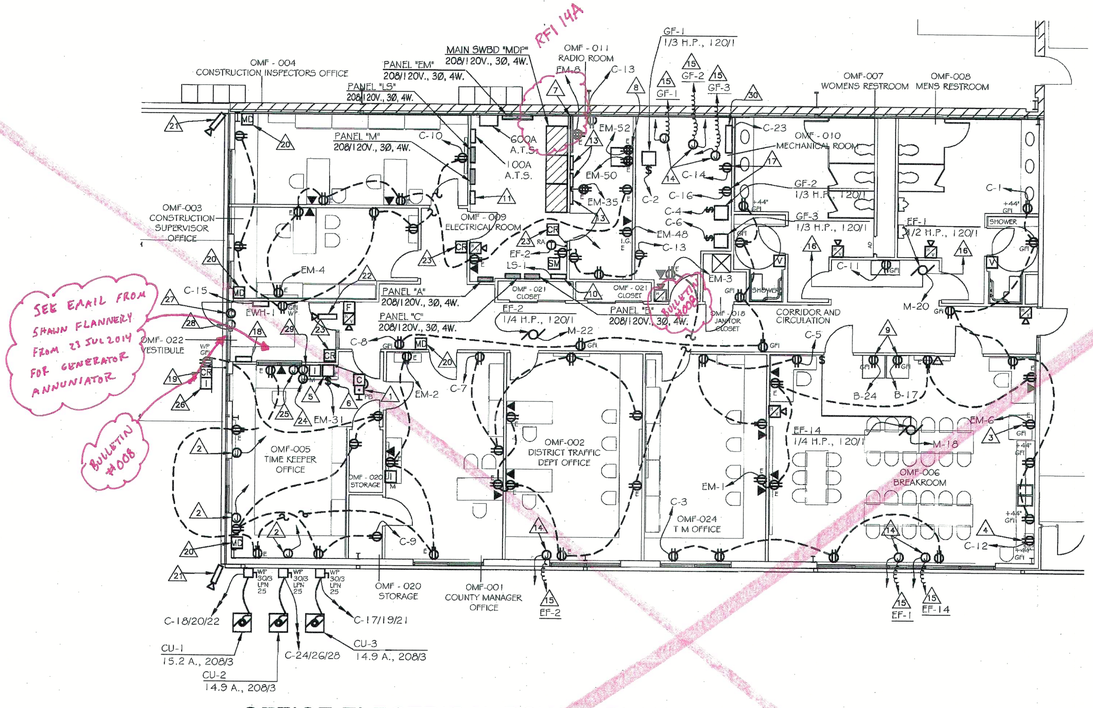
EO201

OFFICE ELECTRICAL POWER PLAN



OFFICE ELECTRICAL POWER PLAN

FLOOR PLAN FACILITY OFFICE

0 8' NORTH

ELECTRICAL GENERAL NOTES (APPLIES TO ALL SHEETS)

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17. WIRE BATTERY-OPERATED EXIT LIGHTS TO CIRCUIT SERVING ROOM/AREA AHEAD OF LOCAL SWITCH.

ELECTRICAL CODED NOTES △

1. PROVIDE PUSHBUTTON "SHUT-OFF" SWITCH AND 30A-4P. FUEL SHUTOFF CONTACTOR IN THIS ROOM. LABEL AND WIRE TO GAS AND DIESEL FUEL PUMPS AT FUEL STATION. REFER TO SITE UTILITY PLAN E021 FOR LOCATION.
2. PROVIDE 4"X4" RECESSED OUTLET BOX WITH BLANK COVER PLATE @ 18" A.F.F. AND 1" CONDUIT WITH PULLWIRE TO RADIO ROOM OMF-011 FUTURE USE.
3. FOR REFRIGERATOR 120/1.
4. FOR MICROWAVE 120/1.
5. PROVIDE 18-POLE CONTROL RELAY LOCATED ABOVE ACCESSIBLE CEILING FOR DISCONNECTING CONTROL POWER TO ALL (11) OVERHEAD DOOR OPERATORS. PROVIDE ON-OFF SWITCH IN TIMEKEEPER OMF-005 AND LABEL.
6. OVERHEAD DOORS ON-OFF SWITCH.
7. 8'W. X 4'H. X 3/4"D. PLYWOOD FIRE RESISTANT PAINTED TELEPHONE BOARD WITH QUADRUPLEX RECEPTACLE MOUNTED @72" A.F.F.
8. PROVIDE FLOOR MOUNTED 7'H. X 24"D. SERVER RACK WITH (2) 80 CFM FANS FOR OWNER PROVIDED EQUIPMENT. MOUNT RACK ON 4"H. CONCRETE PAD.
9. FOR VENDING 120/1.
10. FIRE ALARM CONTROL PANEL.
11. LOW VOLTAGE RELAY PANEL "RP".
12. (NOT USED).
13. SECURITY PANEL BY OTHERS. WIRE TO CIRCUIT EM-45.
14. PROVIDE POWER WIRING FOR 120 VOLT MOTOR-OPERATED DAMPER(S) AS REQUIRED. WIRE TO NEAREST AVAILABLE RECEPTACLE CIRCUIT.
15. INTERLOCK 120V. MOTOR-OPERATED OUTSIDE AIR DAMPER WITH UNIT INDICATED. WIRE END SWITCH.
16. WIRE DOWN TO LIGHTS IN THIS ROOM. EXHAUST FAN TO TURN ON WHEN LIGHTS IN EITHER ROOM ARE TURNED ON.
17. FOR GAS WATER HEATER 120/1.
18. FIRE ALARM REMOTE ANNUNCIATOR PANEL.
19. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND CONDUIT WITH PULLWIRE FOR CARD READER BACK TO RADIO ROOM OMF-011 FOR USE BY OTHERS.
20. PROVIDE RECESSED JUNCTION BOX MOUNTED ON WALL AT CEILING AND EXTEND CONDUIT WITH PULLWIRE UP TO ABOVE ACCESSIBLE CEILING FOR MOTION DETECTOR BY OTHERS.
21. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR CCTV CAMERA BY OTHERS. COORDINATE MOUNTING HEIGHT IN FIELD WITH CCTV CAMERA PROVIDER.
22. PROVIDE JUNCTION BOX IN CEILING FOR CCTV CAMERA BY OTHERS.
23. PROVIDE RECESSED JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR CARD READER BY OTHERS.
24. PROVIDE RECESSED JUNCTION BOX IN WALL AT 18" A.F.F. AND EXTEND CONDUIT WITH PULLWIRE TO RADIO ROOM OMF-011 FOR USE BY OTHERS.
25. EXTEND EXISTING CONDUIT FROM GATE TO THIS LOCATION. PROVIDE WIRING AS REQUIRED BY GATE MANUFACTURER. MINIMUM OF 4-#10 AWG. IN EXISTING CONDUIT.
26. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR INTERCOM STATION BY OTHERS. COORDINATE MOUNTING HEIGHT IN FIELD WITH EQUIPMENT PROVIDER.
27. PROVIDE CONDUIT WITH PULLWIRE FOR DOOR CONTACT FROM TOP OF DOOR FRAME STUBBED UP TO NEAREST ACCESSIBLE CEILING FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER.
28. PROVIDE CONDUIT WITH PULLWIRE FOR ELECTRIC DOOR STRIKE FROM TOP OF DOOR FRAME STUBBED UP TO NEAREST ACCESSIBLE CEILING FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER.
29. PROVIDE JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING FOR DURESS ALARM BY OTHERS.
30. THERMOSTATIC MIXING VALVE ASSEMBLY 120/1. PROVIDE CONTROL WIRING TO AQUASTAT, TIMER AND PUMP AS REQUIRED.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP
51988
M. L. YOUNG
43335
REGISTERED
PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT
DOCUMENTS
MAY 16, 2014

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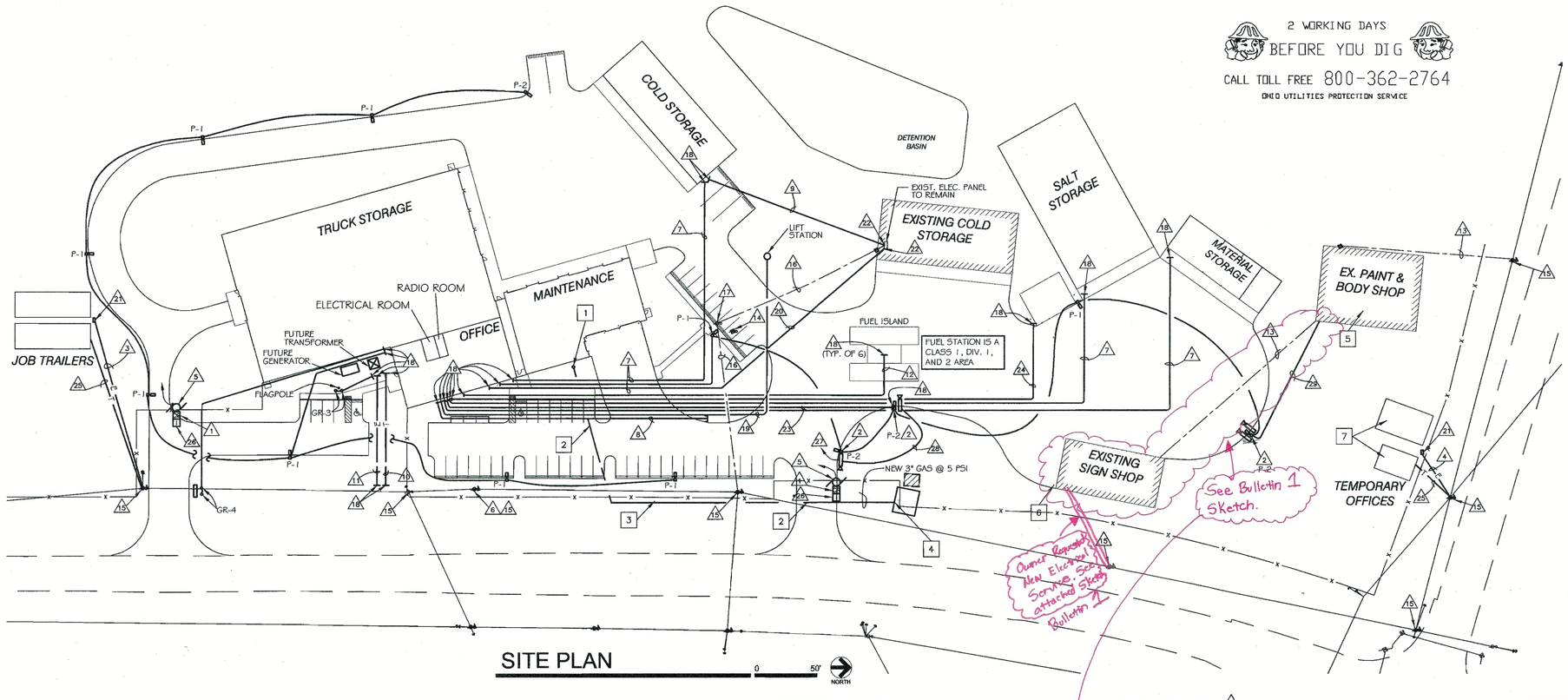
EO201

OFFICE ELECTRICAL POWER PLAN



SITE PLAN

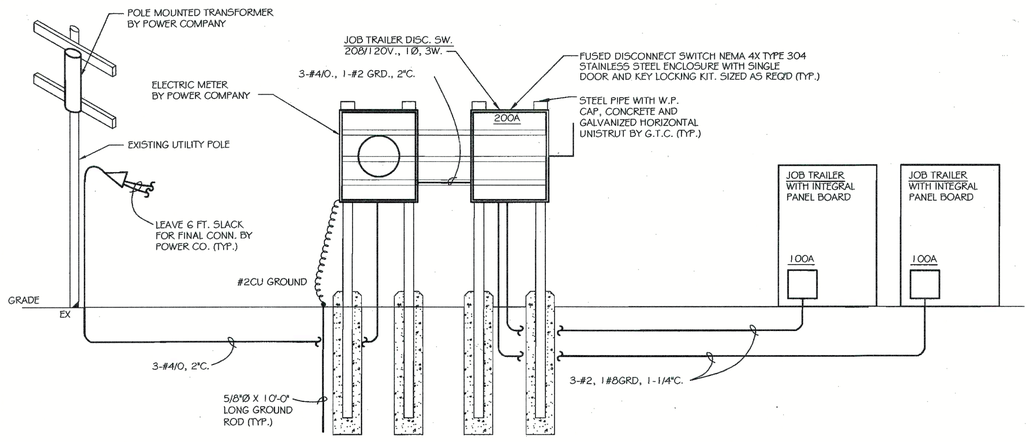
0 50' NORTH

ELECTRICAL GENERAL NOTE

1. PROVIDE GRADE MOUNTED PULLBOXES EVERY 200' PER SPECIFICATIONS. LOCATE PULLBOXES IN GRASSY AREAS OR LOW TRAFFIC AREAS WHERE POSSIBLE.
2. REFER TO SPECIFICATIONS FOR TEMPORARY ELECTRIC SERVICE TO MAINTENANCE GARAGE.
3. ALL SITE LIGHTING POLES TO BE LOCATED 5'-0" OUTSIDE OF PAVED AREAS.

PLUMBING CODED NOTES □

1. CONTRACTOR SHALL TERMINATE GAS PIPING 5'-0" FROM BUILDING AND MOUNT 15' OF REMAINING GAS PIPING COIL TO WOODEN STAKE FOR FUTURE EXTENSION TO THE BUILDING. CONTRACTOR SHALL CAP/SEAL END OF GAS PIPING.
2. CONTRACTOR SHALL ENCASE GAS PIPING IN 4" STEEL CASING BELOW PAVED AREA. CONTRACTOR SHALL USE SCRAP MDPE PIPING MATERIAL TO BUFFER THE PLASTIC GAS PIPING FROM THE STEEL CASING.
3. CONTRACTOR SHALL PROVIDE 3" MEDIUM DENSITY POLYETHYLENE GAS PIPING AT MIN. 30" BELOW GRADE. GAS PIPING PRIVATE SERVICE PRESSURE SHALL BE 5 PSI.
4. PLUMBING CONTRACTOR SHALL CONNECT INTO EXISTING PRIVATE GAS SERVICE DOWNSTREAM OF THE SITE GAS HOUSE METER SET; EXTEND NEW 3" GAS LINE TO OUTSIDE OF GAS HOUSE, PROVIDE LOCKABLE SERVICE VALVE OUTSIDE OF GAS HOUSE, AND CONNECT INTO 3" GAS SERVICE RISER. CONTRACTOR SHALL PROVIDE RISER MEETING GAS COMPANY STANDARDS AND ALL THREADED STEEL PIPING SHALL BE WELDED AND PAINTED.
5. EXISTING WATER, SANITARY, AND GAS SERVICES TO REMAIN DURING CONSTRUCTION.
6. EXISTING GAS SERVICES TO REMAIN DURING CONSTRUCTION.
7. CONNECT TO ¾" TEMPORARY DOMESTIC COLD WATER SERVICE UNDER OWNER'S TRAILER, PROVIDE SHUT-OFF VALVE, EXTEND WATER SERVICE INTO BUILDING, AND MAKE FINAL COLD WATER CONNECTIONS TO PLUMBING FIXTURE COLD WATER HOOK-UP. CONTRACTOR SHALL EXTEND SANITARY PIPING FROM PLUMBING FIXTURE SANITARY HOOK-UP TO WASTE STORAGE TANK PROVIDED WITH TRAILER.



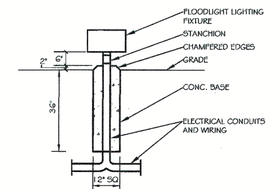
TEMPORARY ELECTRIC RISER

0 NTS

APPLIES TO TEMPORARY OFFICE TRAILERS ALSO

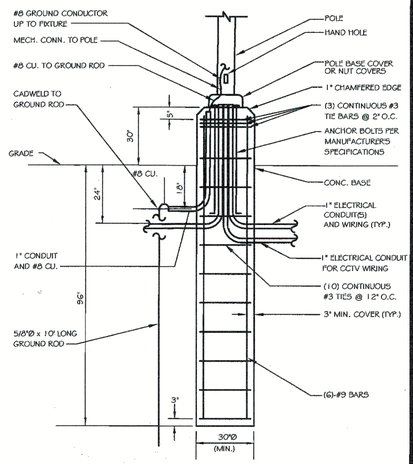
ELECTRICAL CODED NOTES △

1. FOR CARD READER.
2. PROVIDE 1" C. WITH PULLWIRE FOR CCTV AND EXTEND CONDUIT TO BUILDING.
3. PROVIDE TEMPORARY POWER TO CONSTRUCTION JOB TRAILERS FROM EXISTING UTILITY POLE. COORDINATE ELECTRICAL SERVICE REQUIREMENTS FOR JOB TRAILERS. REFER TO DETAIL ON THIS SHEET.
4. PROVIDE TEMPORARY POWER TO TEMPORARY OFFICE TRAILERS FROM EXISTING UTILITY POLE. COORDINATE ELECTRICAL SERVICE REQUIREMENTS FOR OFFICE TRAILERS. REFER TO DETAIL ON THIS SHEET.
5. MOTORIZED GATE CONTROLLER. PROVIDE (1) 3" CONDUIT TO THE BUILDING FOR CONTROL WIRING AND (1) 1-1/2" C. FOR POWER WIRING. EXTEND (1) 1" CONDUIT TO CARD READER AND (1) 1" CONDUIT TO INTERCOM FOR CONTROL WIRING.
6. DISCONNECT TELECOMMUNICATION LINES FROM EXISTING UTILITY POLE.
7. PROVIDE (1) 2" C. WITH PULLWIRE.
8. PROVIDE 1-1/2" C. WITH PULLWIRE FOR GPS STATION. COORDINATE EXACT LOCATION PRIOR TO ROUGHING IN.
9. PROVIDE (1) 2" C. WITH PULLWIRE FROM EXISTING PANEL IN EXISTING COLD STORAGE BUILDING TO NEW COLD STORAGE BUILDING.
10. PROVIDE (2) 4" PVC TELEPHONE SERVICE CONDUITS UNDERGROUND WITH PULLWIRE.
11. PROVIDE (2) 5" PVC CONDUITS WITH PULLWIRES FOR NEW UNDERGROUND PRIMARY ELECTRIC FEEDERS BY POWER COMPANY.
12. PROVIDE (4) 1-1/2" AND (4) 1" CONDUITS FOR FUEL ISLAND POWER AND CONTROL WIRING.
13. EXISTING UNDERGROUND ELECTRIC TO REMAIN. PROTECT WIRING AND CONDUIT DURING CONSTRUCTION.
14. EXISTING LIFT STATION CONTROLS TO REMAIN IN USE DURING CONSTRUCTION. PROTECT CONTROLS, WIRING AND CONDUIT AS NECESSARY DURING CONSTRUCTION.
15. EXISTING UTILITY POLE TO REMAIN.
16. EXISTING OVERHEAD ELECTRIC SERVICE WIRING TO REMAIN ACTIVE DURING CONSTRUCTION. PROTECT AS NECESSARY DURING CONSTRUCTION.
17. EXISTING ELECTRIC SERVICE UTILITY POLE TO REMAIN DURING CONSTRUCTION.
18. PROVIDE CAP AND MARKER AT END OF CONDUIT(S).
19. PROVIDE 1-1/2" C. WITH PULLWIRE FOR LIFT STATION.
20. PROVIDE 3" C. WITH PULLWIRE TO EXISTING PANEL IN EXISTING COLD STORAGE BUILDING.
21. REFER TO TEMPORARY RISER DIAGRAM, THIS SHEET FOR ADDITIONAL INFORMATION.
22. TERMINATE CONDUIT INSIDE BUILDING ALONG OUTSIDE WALL 12" A.F.F.
23. PROVIDE (1) 1" C. FOR FUEL SHUT-OFF PUSHBUTTON.
24. PROVIDE (2) 2-1/2" C. WITH PULLWIRES.
25. PROVIDE 2" CONDUIT FOR COMMUNICATIONS FROM POLE TO TRAILER.
26. FOR INTERCOM.
27. EXTEND 1" CONDUIT WITH PULLWIRE TO NORTHEAST CORNER OF MAINTENANCE BUILDING AND PROVIDE CAP AND MARKER AT END OF CONDUIT.
28. DAISY CHAIN CCTC CAMERAS TOGETHER WITH 1-1/2" C.
29. PROVIDE 1-1/2" CONDUIT WITH PULLWIRE TO EX. PAINT AND BODY SHOP AND EXTEND TO EXISTING DATA RACK FOR CCTV CAMERAS.



GRADE MOUNTED FLOODLIGHT BASE DETAIL

0 NTS



POLE BASE DETAIL

0 NTS

ELECTRICAL SYMBOLS

1. ALL SYMBOLS NOT NECESSARILY USED.
2. MOUNTING HEIGHT (M.H.) IS TO CENTERLINE OF DEVICE.
3. MOUNTING HEIGHT ON PLAN SUPERSEDES THIS SCHEDULE.
4. RTD: REFER TO DRAWING.
5. ADJUST MOUNTING HEIGHTS OF DEVICES WHICH PROTRUDE MORE THAN 4" INTO CORRIDORS AND WALKWAYS AS NECESSARY TO MEET A.D.A. CLEARANCE REQUIREMENTS.

SYMBOL	ITEM	M.H.
T	TELEPHONE CONDUIT	
J	JUNCTION BOX	RTD
M	SINGLE-PHASE MOTOR	
	POWER PANEL	TOP @ 72"
	LIGHTING PANEL	TOP @ 72"
	WIRING ABOVE CEILING OR IN JOIST SPACE	
	WIRING UNDER FLOOR OR IN WALL	

SYMBOL	ITEM	M.H.
E	ELECTRICAL SYSTEM CONDUIT	
	EXISTING WIRING TO REMAIN	
	ITEM TO BE REMOVED	
CR	CARD READER	48"
C	CCTV CAMERA, FIXED, PAN/TILT/ZOOM	RTD
2#12 #12G 3/4"C	HOME RUN TO PANEL "A", 2-POLE BRKR.	

LIGHTING FIXTURE SCHEDULE

MOUNTING CODED: CL – CEILING MOUNTED; CH – CHAIN HUNG; W – WALL MOUNTED; R – RECESSED; S – STEM MOUNTED; UC – UNDER CABINET; CV – COVE MOUNTED; TR – TRACK MOUNTED; B – BOLLARD; GR – GRADE MOUNTED; P – POLE MOUNTED

NOTES: FIXTURES SHALL INCLUDE CBM/ETL PREMIUM BALLASTS, LENSES, CANOPIES AND ACCESSORIES COMPATIBLE WITH CEILING CONSTRUCTION. UNLESS NOTED OTHERWISE, ALL FIXTURES AND LAMPS TO BE 120 VOLTS.

	MANUFACTURERS	CATALOG NO.	LAMPS/WATTS	REMARKS
P-1	LITHONIA OR APPROVED EQUAL	KAD-LED-1-63B530/40K-SR2	LED	RECTILINEAR ONE PIECE ALUMINUM HOUSING WITH CLEAR TEMPERED GLASS LENS, TYPE II DISTRIBUTION AND DARK BRONZE FINISH MOUNTED ON 35'-0" HIGH ROUND TAPERED ALUMINUM POLE WITH ANCHOR BOLT NUT COVERS AND DARK BRONZE FINISH. 208V.
P-2	LITHONIA OR APPROVED EQUAL	KAD-LED-1-63B530/40K-SR3	LED	RECTILINEAR ONE PIECE ALUMINUM HOUSING WITH CLEAR TEMPERED GLASS LENS, TYPE III DISTRIBUTION AND DARK BRONZE FINISH MOUNTED ON 35'-0" HIGH ROUND TAPERED ALUMINUM POLE WITH ANCHOR BOLT NUT COVERS AND DARK BRONZE FINISH. 208V.
GR-3	LITHONIA OR EQUAL BY GENERAL ELECTRIC OR STONCO	KFL-175M-SP-208-YK	(1) 175W M.H.	CAST ALUMINUM FLOODLIGHT WITH ALUMINUM REFLECTOR, GASKETED CLEAR TEMPERED GLASS LENS, WET LOCATION LABEL, SPOT DISTRIBUTION AND DARK BRONZE FINISH. 208V. YOKE MOUNTED. REFER TO MOUNTING DETAIL ON THIS SHEET.
GR-4	LITHONIA OR EQUAL BY GENERAL ELECTRIC OR STONCO	KFL-175M-RW-208-YK	(1) 175W M.H.	CAST ALUMINUM FLOODLIGHT WITH ALUMINUM REFLECTOR, GASKETED CLEAR TEMPERED GLASS LENS, WET LOCATION LABEL, HORIZONTAL SPOT DISTRIBUTION AND DARK BRONZE FINISH. 208V. YOKE MOUNTED. REFER TO MOUNTING DETAIL ON THIS SHEET.

EARLY SITEWORK PACKAGE
DOT-130006
ATHENS FULL SERVICE
MAINTENANCE FACILITY
OHIO DEPARTMENT OF TRANSPORTATION
OHIO FACILITIES CONSTRUCTION COMPLIANCE

CONSTRUCTION DOCUMENTS
FEBRUARY 27, 2014

REVISED:

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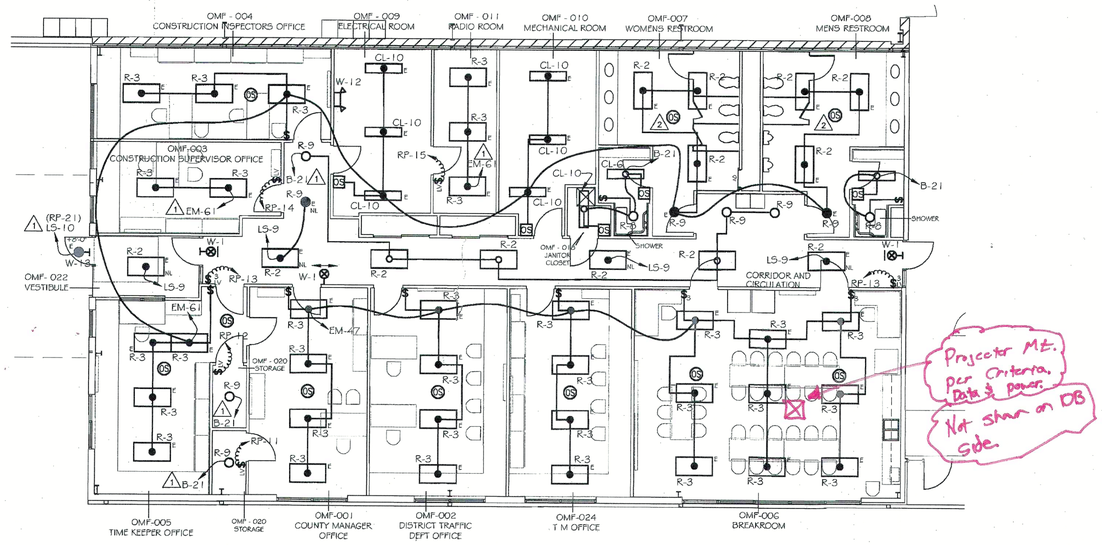
E021

ELECTRICAL SITE PLAN



OFFICE LIGHTING PLAN

0 8'

NORTH

FLOOR PLAN FACILITY OFFICE

ELECTRICAL CODED NOTES △

1. WIRE THRU LOW VOLTAGE SWITCHING RELAY CABINET, USE CIRCUIT INDICATED. REFER TO LOW VOLTAGE SWITCHING RELAY CABINET SCHEDULE ASSOCIATED WITH THIS ROOM/AREA.
2. OCCUPANCY SENSOR TO CONTROL EXHAUST FAN AS WELL AS LIGHTS REGARDLESS OF WHICH RESTROOM IS OCCUPIED.

THOMAS B. MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

700 WEST UNION STREET, ATHENS, OHIO

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DOCUMENTS
MAY 16, 2014

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EO301

OFFICE LIGHTING PLAN

DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-009**
		Date of Issue:	August 19, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr. Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Vertical Lift Coordination

Coordinate Vertical Lift installation requirements including pit dimensional and tolerance requirements, hydraulic and electrical pathway requirements, control console location and services requirements.

Christie Jewell 8/18/2014
Per the coded notes the EC needs to coordinate exact quantity, size, and location of the conduits with the lift installer. Revise conduit size, routing, and quantity per the lift installer's recommendations. The 6" conduit pathway is not clear as to whether it is for electric or hydraulics. Contact manufacturer for clarification.

Tom Converse 8/18/2014
Requires coordination with Vertical Lift Contractor.

Attachments:

Issued by

August 19, 2014

Renouveau Design, Inc. | Thomas I. Converse | Date

Matulja, Rick

From: Andry, Tom
Sent: Thursday, September 18, 2014 6:04 PM
To: Matulja, Rick
Subject: Fwd: ODOT Athens
Attachments: Picture (Device Independent Bitmap) 1.jpg; Picture (Device Independent Bitmap) 2.jpg

Please post

Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P): 614.754.8349
(F): 614.824.1605
(C): 937.407.5229
Athens ODOT Full Service Facility

Sent from my iPhone

Begin forwarded message:

From: Christi Jewell <cjewell@rdfa.com>
Date: September 18, 2014 at 4:46:41 PM EDT
To: "Andry, Tom (tandry@thomas-marker.com)" <tandry@thomas-marker.com>
Subject: ODOT Athens

Tom,

This is from the criteria. I don't see any problem with the conduits being surface mounted in the Vehicle maintenance and Truck Storage area.

Christi Jewell, Electrical Designer

Roger D. Fields & Associates
4588 Kenny Road
Columbus, Ohio 43220-2777
614-451-2248
F 614-451-6628
E-mail: cjewell@rdfa.com
Web: www.rdfa.com

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DOT-130006 – ATHENS FSMF

ARCHITECT'S SUPPLEMENTAL INSTRUCTION

Project:	DOT-130006 ATHENS FULL SERVICE MAINTENANCE FACILITY	Instruction No.:	**ASI-014**
		Date of Issue:	September 2, 2014
Owner:	Ohio Department of Transportation District 10 338 Muskingum Drive Marietta, Ohio 45750	Architect:	Renouveau Design, Inc. 1570 Fishinger Road Columbus, Ohio 43221
Contractor:	Thomas & Marker 2011 Riverside Dr. Columbus, OH 43221	Contract For:	Design-Build
Contract Dated:		Architects' Project No.:	13301

This Minor Change in the Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DESCRIPTION:

Services at Service Support Column

In Vehicle Maintenance, at Service Support Columns, locate electrical and communications outlets high on both sides of column web and air outlet high on column flange. Locate communications outlet over 120V electrical outlet one side and, where applicable, locate 120V outlet over 208V outlet. Air outlet may be mounted to unistrut on flange of column.

Attachments:

Issued by

September 2, 1014

Renouveau Design, Inc. | Thomas I. Converse | Date

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # ~~035~~ 036

REQUEST FOR INFORMATION

TO:	RDI Architects RDFA	**DATE:**	18-Aug-14
ATTN:	Tom Converse , Greg Topp	**PAGE:**	1 of 1
EMAIL:	tconverse@rdicolumbus.com	**DWG:**	EV201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Vertical Lift Underground Conduits.		

Please see attached RFI from our Electrical Contractor.

We are trying to get the U/G in for the vertical lift conduits noted on DWG EV201, and have the following questions.

1. What is going in these conduits
2. Where do they need to be placed with reference points
3. Is there lighting as shown on the pic in the submittal and where is the switch located
4. Submittal shows (1) 6" chase and the drawings show (4) 1" and (1) 3" – Which is required?

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 25-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

8/25/2014 - COORDINATE WITH VEHICLE LIFT SUPPLIER AND ELECTRICAL ENGINEER.

DATE OF REPLY: 8/25/2014 **SIGNED:**

FINAL DISTRIBUTION: File, Field

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 040

REQUEST FOR INFORMATION

TO:	RDFA & RDI Architects	**DATE:**	20-Aug-14
ATTN:	Greg Topp & Christi Jewell	**PAGE:**	1 of 1
EMAIL:	gtopp@rdfa.com, tconverse@rdicolumbus.c	**DWG:**	EV201
FR:	German Gonzalez	**SPEC:**	N/A
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Tire Balance & Tire Changer Outlets		

Please see attached RFI from our electrical subcontractor.

Per drawing EV201, calls out an outlet for the Tire Balancer and the Tire Changer to be located 48" AFF. The I-beam support columns are 36" AFF.

Please advise on a height if these are to be mounted to the I-beam supports?

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 22-Aug-14
DISTRIBUTION: File, Field

REPLY (RETURN THIS SHEET WITH REPLY):

Mount outlet as high as possible on I-beam supports.

DATE OF REPLY: 8/22/14 **SIGNED:** Christi Jewell

FINAL DISTRIBUTION: File. Field

THOMAS & MARKER CONSTRUCTION
2011 Riverside Drive, Suite 400
Columbus, Ohio 43221
614.754.8349 | 614.824.1605 fax
www.thomas-marker.com

RFI # 018

REQUEST FOR INFORMATION

TO:	RDFA	**DATE:**	14-Jul-14
ATTN:	Greg Topp & Christi Jewell	**PAGE:**	1 of 1
EMAIL:	gtopp@rdfa.com, cjewell@rdfa.com	**DWG:**	N/A
FR:	German Gonzalez	**SPEC:**	260526
PROJ:	Athens ODOT Full Service Maintenance Facility		
REF:	Electrical Grounding		

Please see attached RFI from our electrical contractor.

Per Specification section 26 05 26, 1.02, D, it states to "Bond every other steel column around building perimeter to driven ground rod system." Ed Green Electric is asking if every other steel column needs to be grounded as this has not been seen

Please advise.

DATE RESPONSE NEEDED TO AVERT DELAY/DISRUPTION: 17-Jul-14
DISTRIBUTION: File, Field

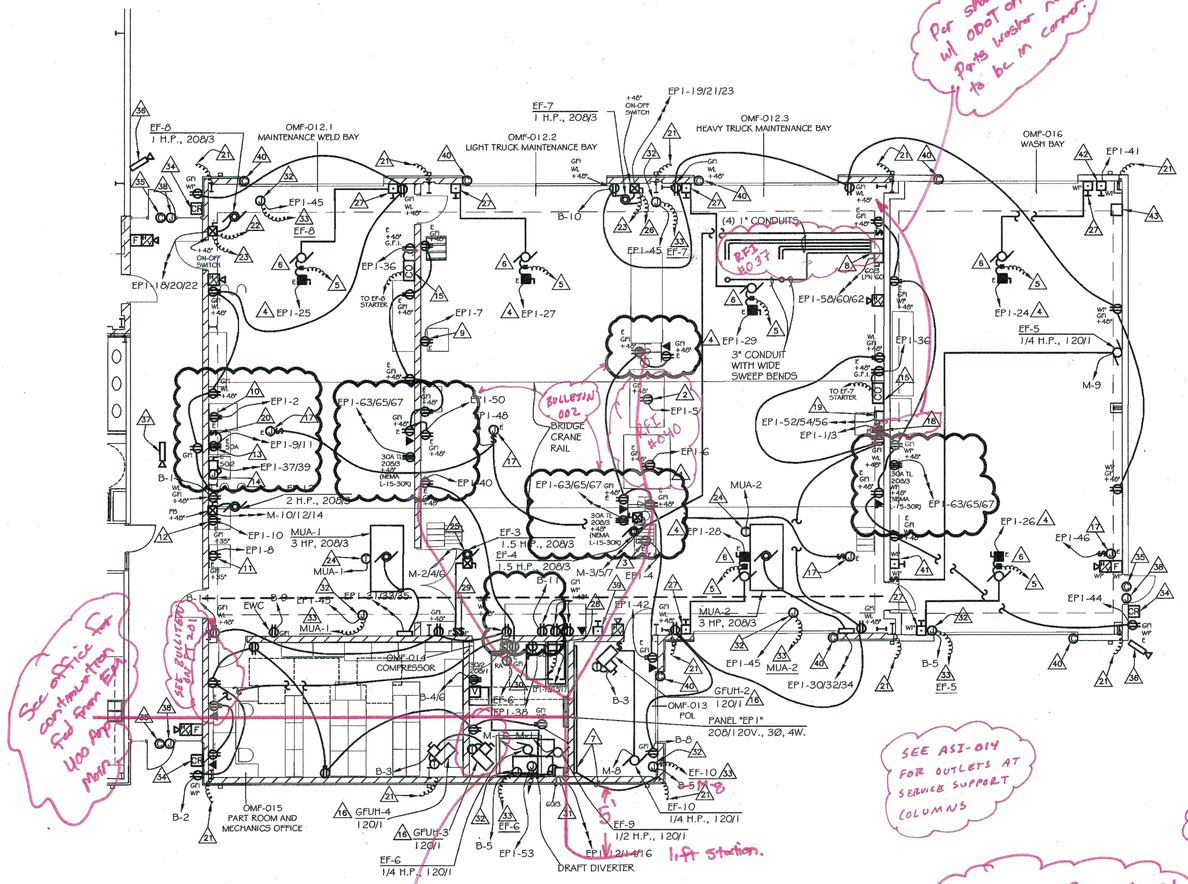
REPLY (RETURN THIS SHEET WITH REPLY):

Install per specifications.

Provide ground rods per spec section 26 05 26-1.04 B. at every other column and bond with #6 AWG. Bonding was called out in note #21 on Sheet EV201. The ground rods can be installed at every other column in lieu of every column around the perimeter as shown on sheet EV201 to cover the entire building. Notice the wire was reduced from #2/0 to #6. Provide connections per spec 26 05 26-1.04.

DATE OF REPLY: 7/16/14 **SIGNED:** Christi Jewell

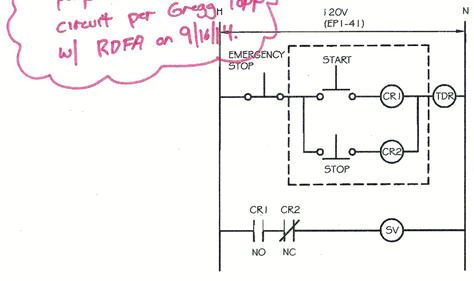
FINAL DISTRIBUTION: File, Field



VEHICLE MAINTENANCE ELECTRICAL POWER PLAN

FLOOR PLAN VEHICLE MAINTENANCE BUILDING

0 8' NORTH



E-STOP - SQUARE D #9001KRER05HG (SURFACE MTD.NEMA 3R ENCLOSURE)

START/STOP - SQUARE D #9001BW252 (SURFACE MTD. NEMA 4 ENCLOSURE)

TIME DELAY RELAY - SQUARE D #RE11RAMU (ON DELAY TIMER) (PROVIDE SURFACE MTD. NEMA 3R ENCLOSURE)

UNDERCARRIAGE WASH DETAIL

N.T.S.

HAZARDOUS LOCATIONS:

1. IN THE TRUCK STORAGE, VEHICLE MAINTENANCE AND WASH BAY AREAS, ALL AREAS LOCATED BELOW 18" A.F.F. ARE CLASSIFIED AS CLASS 1, DIVISION 2 LOCATIONS. CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 511.4 ALL CONDUITS SHALL BE CONCEALED IN MASONRY WALLS; OTHERWISE SEALING FITTINGS PER NEC 501:5 ARE REQUIRED WHERE CONDUITS EXTEND THROUGH THE CLASS 1 DIVISION 2 AREA LOCATED UP TO 18" A.F.F.
2. ALL CONDUITS REQUIRING SEALING FITTINGS WHICH ARE TO BE LEFT EMPTY ARE TO BE INSTALLED WITH THREADED CAPS IN LIEU OF SEALANT.

ELECTRICAL CODED NOTES △

1. FOR TIRE BALANCER 120/1.
2. FOR AUTO TIRE CHANGER 120/1.
3. FOR BEARING PRESS 120/1.
4. WIRE OVERHEAD DOOR 120 VOLT POWER THRU 30A.GF. CONTACTOR AND "KILL" SWITCH IN OMF-005 TIME KEEPER OFFICE AS REQUIRED.
5. PROVIDE WIRING TO OVERHEAD DOOR CONTROL RELAY IN TIMEKEEPER OMF-005 AS REQUIRED TO INTERRUPT OVERHEAD DOOR FACTORY CONTROL WIRING. VERIFY WIRING ARRANGEMENT WITH OVERHEAD DOOR MANUFACTURER.
6. OVERHEAD DOOR 3/4 H.P., 120/1. PROVIDE DISCONNECT SWITCH, POWER WIRING, AND CONTROL WIRING TO OVERHEAD DOOR OPERATOR, PUSHBUTTON STATION, AND DOOR EDGE SAFETY SENSOR.
7. 1/4" X 4"H. X 8'-0"L. COPPER GROUND BAR. MOUNT AT 18" A.F.F. BARREL GROUNDING CONDUCTORS AND FINAL CONNECTION BY OWNER. EXTEND #6 AWG. GROUNDING CONDUCTOR IN SCHEDULE 40 PVC CONDUIT TO BUILDING STEEL AS SHOWN. CADWELD ALL CONNECTIONS.
8. VEHICLE LIFT CONSOLE 208/3. PROVIDE 100/3 DISCONNECT SWITCH AND CONNECT LOAD SIDE OF SWITCH TO LIFT CONSOLE. PROVIDE A SEPARATE 120/1 CONTROL CIRCUIT TO LIFT CONSOLE. PROVIDE UNDER SLAB CONDUITS WITH PULLWIRES AS REQUIRED. COORDINATE EXACT QUANTITY, SIZE, AND LOCATION OF CONDUITS WITH LIFT INSTALLER. (ASI-009)
9. FOR TIRE SEPARATOR 120/1.
10. FOR GRINDER 120/1.
11. FOR BAND SAW 120/1.
12. FOR DRILL PRESS 120/1.
13. MIG WELDER RECEPTACLE 50 AMP., 208/1. VERIFY EXACT LOCATION AND POWER REQUIREMENTS WITH OWNER PRIOR TO ROUGHING IN.
14. FOR ARC WELDER 50A 208/1.
15. CARBON MONOXIDE SENSOR AND ALARM UNIT MOUNTED @48" A.F.F. 120/1. WIRE SENSOR TO TURN ON EXHAUST FAN INDICATED. WIRE TO BYPASS "OFF" POSITION IN STARTER SELECTOR SWITCH, TO START FAN.
16. INSTALL THERMOSTAT FURNISHED BY HVAC CONTRACTOR ON CONDUIT @7'-0" A.F.F. AND WIRE COMPLETE.
17. TYPICAL INFRARED HEATER BURNER 5A., 120/1.
18. FOR PARTS WASHER 59A 208/1.
19. FOR 3 TON BRIDGE CRANE 1.75 H.P., 208/3. PROVIDE 30/3 DISCONNECT SWITCH, CONDUIT AND WIRING UP ON WALL TO WITHIN 1 FT. OF POWER RAIL WITH 4 FT. OF ADDITIONAL WIRE COILED FOR FINAL CONNECTION BY CRANE SUPPLIER. VERIFY EXACT LOCATION WITH CRANE SUPPLIER PRIOR TO ROUGHING-IN.
20. WIRE SWITCH TO EXHAUST FAN EF-13. PROVIDE RED PLASTIC PLACARD WITH 1" WHITE LETTERS NEXT TO SWITCH ON WALL WHICH READS "TURN ON EXHAUST FAN BEFORE WELDING".
21. PROVIDE 5/8" DIA X 10'-0" LONG GROUND ROD AND #2/0 BARE SOLID COPPER GROUNDING CONDUCTOR (8 FT. MIN., 15 FT. MAX.) AND GROUND TO METAL BUILDING FRAMING STEEL. CADWELD ALL CONNECTIONS. (RFI 018)
22. WIRE TO MUA-1 CONTROL PANEL/VFD LOCATED ON WALL.
23. WIRE TO CARBON MONOXIDE DETECTOR AND NITROGEN DIOXIDE DETECTOR AS REQUIRED. DETECTOR SHALL BYPASS EXHAUST FAN ON-OFF SWITCH.
24. WIRE OUTSIDE AIR THERMOSTAT LOCATED IN INTAKE DUCT TO MAKE-UP AIR UNIT CONTROL PANEL LOCATED ON UNIT AS REQUIRED.
25. VEHICLE ENGINE EXHAUST FAN 1 H.P., 208/3.
26. WIRE TO MUA-2 CONTROL PANEL/VFD LOCATED ON WALL.
27. OVERHEAD DOOR PUSHBUTTON OPERATOR.
28. FOR AIR COMPRESSOR 15 H.P., 208/3. VERIFY EXACT LOCATION PRIOR TO ROUGHING IN. INTERRUPT FACTORY WIRING, AND WIRE STARTER CIRCUIT TO PILOT LIGHT SWITCH IN LIGHT TRUCK MAINTENANCE BAY OMF-012.2.
29. WIRE TO AIR COMPRESSOR STARTER.
30. FOR AIR DRYER 120/1.
31. FOR PRESSURE WASHER 27A., 208/3.
32. PROVIDE WIRING FOR 120 VOLT MOTOR-OPERATED DAMPER(S) AS REQUIRED. VERIFY ROUGH-IN HEIGHT.
33. INTERLOCK 120V. MOTOR-OPERATED OUTSIDE AIR DAMPER WITH UNIT INDICATED. WIRE END SWITCH.
34. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND CONDUIT WITH PULLWIRE FOR CARD READER BACK TO RADIO ROOM OMF-011 FOR USE BY OTHERS.
35. PROVIDE CONDUIT WITH PULLWIRE FOR DOOR CONTACT FROM TOP OF DOOR FRAME STUBBED UP TO NEAREST ACCESSIBLE CEILING FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER.
36. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR CCTV CAMERA BY OTHERS. COORDINATE MOUNTING HEIGHT IN FIELD WITH CCTV CAMERA PROVIDER.
37. PROVIDE JUNCTION BOX IN CEILING FOR CCTV CAMERA BY OTHERS.
38. PROVIDE CONDUIT WITH PULLWIRE FOR ELECTRIC DOOR STRIKE FROM TOP OF DOOR FRAME STUBBED UP TO NEAREST ACCESSIBLE CEILING FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER.
39. ON-OFF PUSHBUTTON FOR PRESSURE WASHER. WIRE TO PRESSURE WASHER AS REQUIRED. COORDINATE EXACT LOCATION WITH THE OWNER PRIOR TO ROUGHING IN.
40. PROVIDE JUNCTION BOX FOR OVERHEAD DOOR CONTACT AND EXTEND CONDUIT WITH PULLWRE TO RADIO ROOM OMF-011 FOR USE BY OTHERS.
41. UNDERCARRIAGE WASH START-STOP PUSHBUTTON. REFER TO DETAIL ON THIS SHEET.
42. UNDERCARRIAGE WASH EMERGENCY STOP BUTTON. REFER TO DETAIL ON THIS SHEET.
43. UNDERCARRIAGE WASH TIME RELAY. REFER TO DETAIL ON THIS SHEET.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT
DOCUMENTS
MAY 16, 2014

REVISIONS
ADDENDUM MAY 30, 2014
COMPLIANCE JUNE 24, 2014

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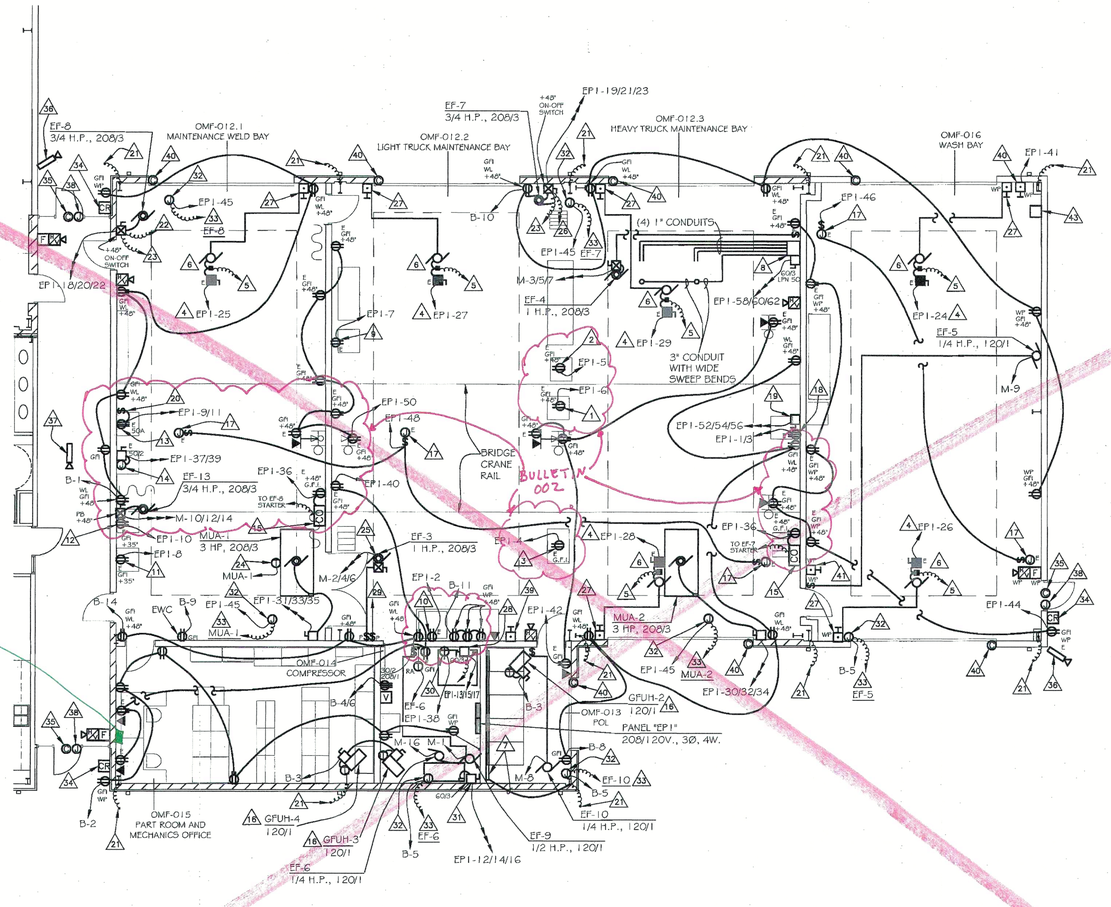
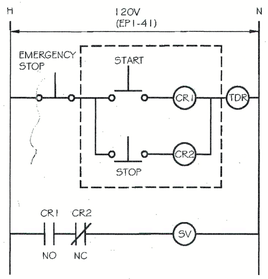
VEHICLE MAINTENANCE
ELECTRICAL POWER PLAN



VEHICLE MAINTENANCE ELECTRICAL POWER PLAN

FLOOR PLAN VEHICLE MAINTENANCE BUILDING

0 8' NORTH



E-STOP - SQUARE D #9001KRER05HG (SURFACE MTD.NEMA 3R ENCLOSURE)

START/STOP - SQUARE D #9001BW252 (SURFACE MTD. NEMA 4 ENCLOSURE)

TIME DELAY RELAY - SQUARE D #RE11RAMU (ON DELAY TIMER) (PROVIDE SURFACE MTD. NEMA 3R ENCLOSURE)

UNDERCARRIAGE WASH DETAIL

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4. WIRE OVERHEAD DOOR 120 VOLT POWER THRU 30A.GF. CONTACTOR AND "KILL" SWITCH AS REQUIRED. SEE CODED NOTE #XX.
5. PROVIDE WIRING TO OVERHEAD DOOR CONTROL RELAY IN TIMEKEEPER OMF-005 AS REQUIRED TO INTERRUPT OVERHEAD DOOR FACTORY CONTROL WIRING. VERIFY WIRING ARRANGEMENT WITH OVERHEAD DOOR MANUFACTURER.
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RFI #018

THOMAS & MARKER CONSTRUCTION

RDFA

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M. L. YOUNG
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BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY
700 WEST UNION STREET, ATHENS, OHIO

PERMIT
DOCUMENTS
MAY 16, 2014

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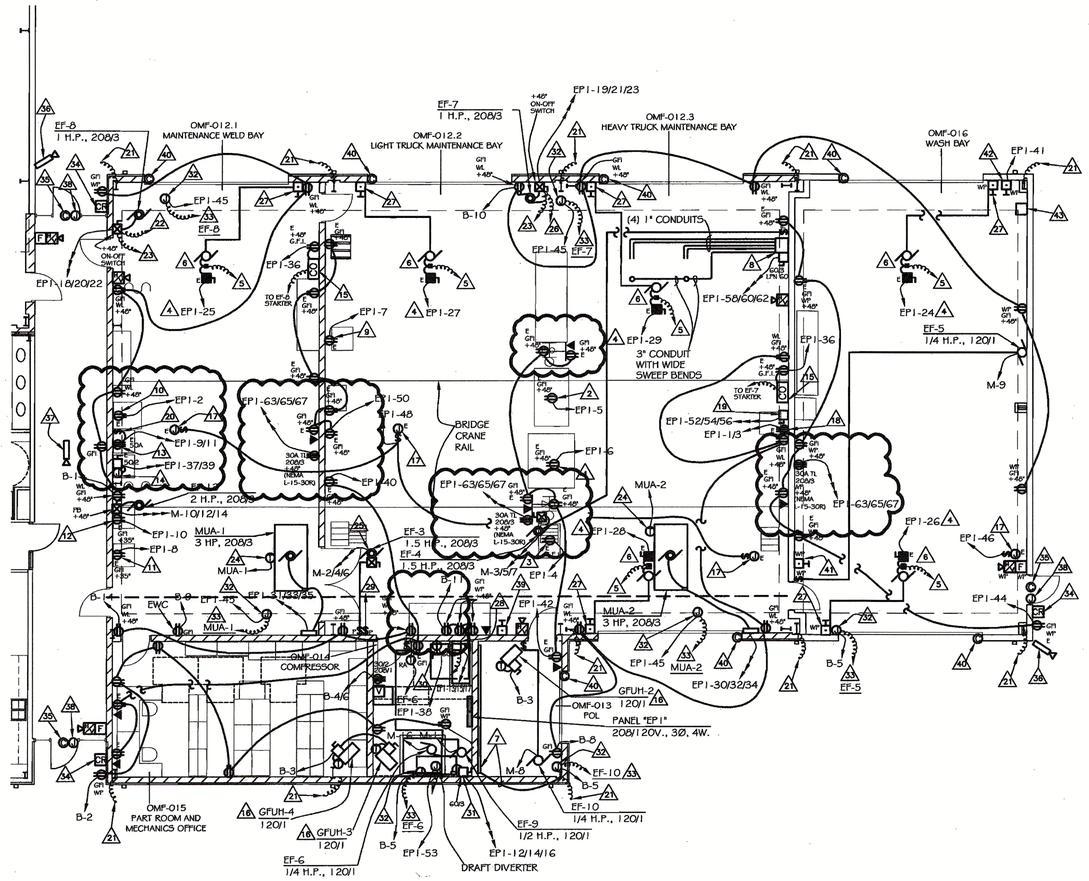
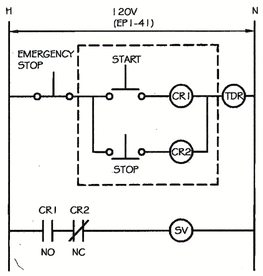
VEHICLE MAINTENANCE
ELECTRICAL POWER PLAN



VEHICLE MAINTENANCE ELECTRICAL POWER PLAN

0 8' NORTH

FLOOR PLAN VEHICLE MAINTENANCE BUILDING



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THOMAS & MARKER CONSTRUCTION

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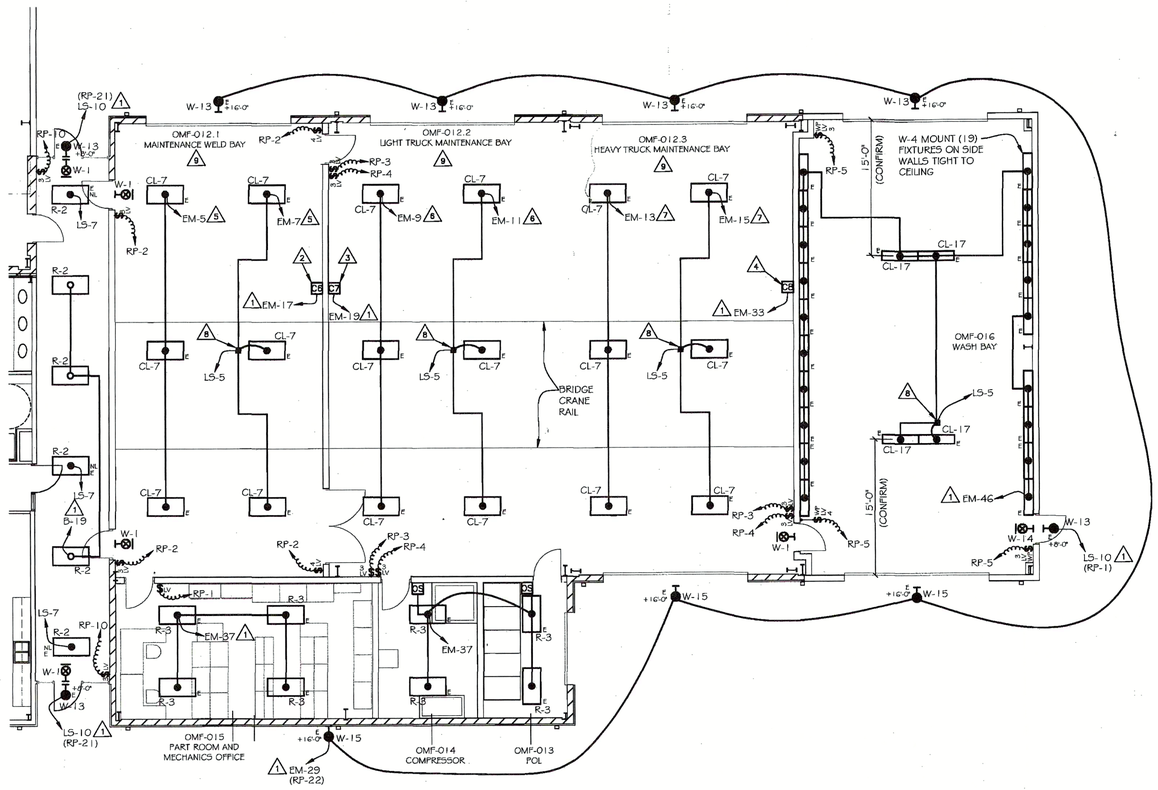
VEHICLE MAINTENANCE ELECTRICAL POWER PLAN



VEHICLE MAINTENANCE LIGHTING PLAN

0 4' NORTH

FLOOR PLAN VEHICLE MAINTENANCE BUILDING

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ELECTRICAL CODED NOTES △

1. WIRE THRU LOW VOLTAGE SWITCHING RELAY CABINET, USE CIRCUIT INDICATED. REFER TO LOW VOLTAGE SWITCHING RELAY CABINET SCHEDULE ASSOCIATED WITH THIS ROOM/AREA.
2. 20A.2P. LIGHTING CONTACTOR "C6" MOUNTED IN PURLIN SPACE.
3. 20A.2P. LIGHTING CONTACTOR "C7" MOUNTED IN PURLIN SPACE.
4. 20A.2P. LIGHTING CONTACTOR "C8" MOUNTED IN PURLIN SPACE.
5. WIRE THROUGH LIGHTING CONTACTOR "C6". USE CIRCUIT INDICATED.
6. WIRE THROUGH LIGHTING CONTACTOR "C7". USE CIRCUIT INDICATED.
7. WIRE THROUGH LIGHTING CONTACTOR "C8". USE CIRCUIT INDICATED.
8. GENERATOR TRANSFER DEVICES (GTD) SHALL BE PROVIDED AS INDICATED. DEVICE SHALL ALLOW EMERGENCY CIRCUIT TO POWER FIXTURE REGARDLESS OF LOCAL SWITCH POSITION.
9. LIGHTS IN THIS ROOM/AREA TO BE MOUNTED ABOVE BRIDGE CRANE (APPROX. 23'-6").

THOMAS & MARKER CONSTRUCTION

RDA

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BALANCE OF PROJECT PACKAGE
DOT-130006

ATHENS FULL SERVICE
MAINTENANCE FACILITY

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EV301

VEHICLE MAINTENANCE
LIGHTING PLAN

RE: Athens ODOT - Generator

Christi Jewell <cjewell@rdfa.com>

Tue 7/22/2014 1:22 PM

To:Andry, Tom <tandry@thomas-marker.com>; Tom Converse <TConverse@RDIColumbus.com>; Greg Topp <gtopp@rdfa.com>;

North/south as shown on the drawings.

Christi Jewell, Electrical Designer
RDFA
Roger D. Fields & Associates
4588 Kenny Road
Columbus, Ohio 43220-2777
614-451-2248
F 614-451-6628
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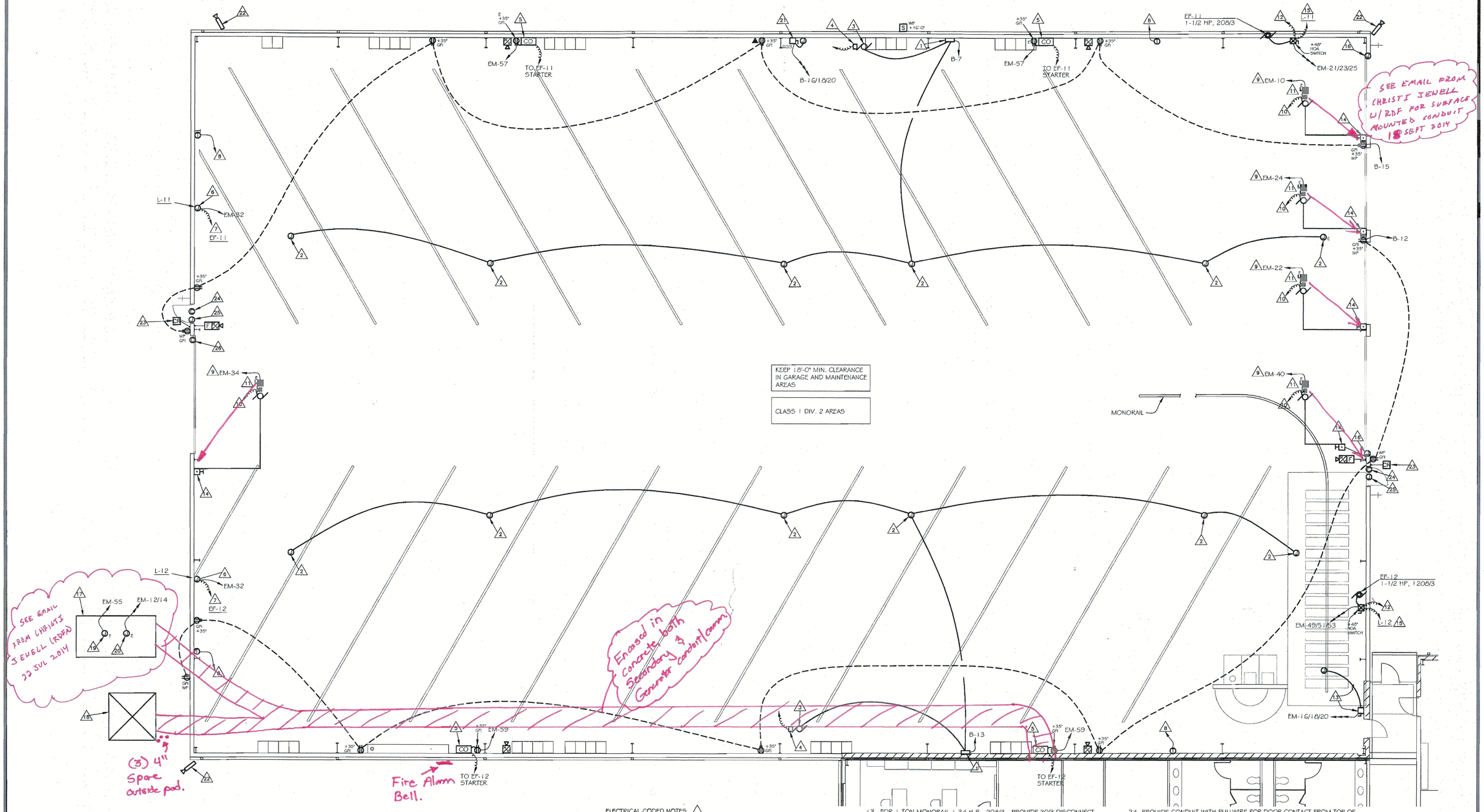
From: Andry, Tom [mailto:tandry@thomas-marker.com]
Sent: Tuesday, July 22, 2014 12:37 PM
To: Tom Converse; Christi Jewell; Greg Topp
Subject: Athens ODOT - Generator

All,
Please advise if the length of the generator should be north/south or east/west? Thanks in advance for a quick response.
Sincerely,

Tom Andry, LEED AP
Project Superintendent
Thomas & Marker Construction
(P) 614.754.8349
(F) 614.824.1605



TRUCK STORAGE ELECTRICAL POWER PLAN

0 8' NORTH

FLOOR PLAN TRUCK STORAGE

ELECTRICAL CODED NOTES

1. GAS-FIRED INFRARED HEATERS CONTROL PANEL 120/1.
2. TYPICAL INFRARED HEATER BURNER 120/1.
3. WIRE VACUUM PUMP 3/4 H.P., 120/1 TO GAS-FIRED INFRARED CONTROL AS REQUIRED.
4. VACUUM PROVING SWITCH. WIRE TO GAS-FIRED INFRARED CONTROL PANEL AS REQUIRED.
5. CARBON MONOXIDE DETECTOR/NITROGEN DIOXIDE DETECTOR AND CONTROL PANEL MOUNTED @48" A.F.F. 120/1. WIRE SENSOR TO TURN ON EXHAUST FAN INDICATED.
6. PROVIDE POWER WIRING FOR 120 VOLT MOTOR-OPERATED DAMPER(S) AS REQUIRED.
7. INTERLOCK 120V. MOTOR-OPERATED OUTSIDE AIR DAMPER WITH UNIT INDICATED.
8. WIRE THERMOSTAT TO GAS-FIRED INFRARED CONTROL PANEL AS REQUIRED.
9. WIRE OVERHEAD DOOR 120 VOLT POWER THRU 30A.12P. CONTACTOR AND "SHUT-OFF" SWITCH AS REQUIRED.
10. PROVIDE WIRING TO OVERHEAD DOOR CONTROL RELAY IN BREAKROOM OMF-006 AS REQUIRED TO INTERRUPT OVERHEAD DOOR FACTORY CONTROL WIRING. VERIFY WIRING ARRANGEMENT WITH OVERHEAD DOOR MANUFACTURER.
11. OVERHEAD DOOR 3/4 H.P., 120/1. PROVIDE DISCONNECT SWITCH, POWER WIRING, AND CONTROL WIRING TO OVERHEAD DOOR OPERATOR, PUSHBUTTON STATION, AND DOOR EDGE SAFETY SENSOR.
12. WIRE TO CARBON MONOXIDE DETECTOR AND NITROGEN DIOXIDE DETECTOR AS REQUIRED. DETECTOR SHALL BYPASS EXHAUST FAN ON-OFF SWITCH. REFER TO WIRING DIAGRAM ON SHEET E501.
13. FOR 1 TON MONORAIL 1.34 H.P., 208/3. PROVIDE 30/3 DISCONNECT SWITCH, CONDUIT AND WIRING UP ON WALL TO WITHIN 1 FT. OF POWER RAIL WITH 4 FT. OF ADDITIONAL WIRE COILED FOR FINAL CONNECTION BY MONORAIL SUPPLIER. VERIFY EXACT LOCATION WITH MONORAIL SUPPLIER PRIOR TO ROUGHING-IN. LOCATE WIRING ABOVE RADIANT HEAT.
14. OVERHEAD DOOR PUSHBUTTON OPERATOR.
15. INTERLOCK WITH 120V. MOTOR-OPERATED OUTSIDE AIR DAMPER ON LOUVER INDICATED. WIRE END SWITCH.
16. FOR BEAM DETECTOR BY OTHERS. PROVIDE CONDUIT WITH PULLWIRE STUBBED TO NEAREST ACCESSIBLE CEILING. COORDINATE WITH EQUIPMENT PROVIDER.
17. PROVIDE 150 KW EMERGENCY GENERATOR 208/120V., 3PH., 4W. MOUNTED ON REINFORCED CONCRETE PAD.
18. PADMOUNT TRANSFORMER 208/120V., 3PH., 4W., BY POWER COMPANY. MOUNT ON CONCRETE PAD AND PROVIDE CONCRETE PIPE BOLLARDS PER POWER COMPANY REQUIREMENTS. COORDINATE EXACT LOCATION OF PRIMARY AND SECONDARY CONDUITS WITH GAS, WATER, AND STORM LINES IN THIS AREA. REFER TO POWER RISER DIAGRAM ON SHEET E501.
19. FOR GENERATOR BATTERY CHARGER 120/1.
20. FOR GENERATOR BLOCK HEATER 208/1.
21. FOR 5 HP 208/3 AIR COMPRESSOR.
22. PROVIDE RECESSED OUTDOOR JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR CCTV CAMERA BY OTHERS. COORDINATE MOUNTING HEIGHT IN FIELD WITH CCTV CAMERA PROVIDER.
23. PROVIDE RECESSED JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE TO ABOVE NEAREST ACCESSIBLE CEILING FOR CARD READER BY OTHERS. REFER TO DOOR STRIKE DETAIL ON SHEET E701.
24. PROVIDE CONDUIT WITH PULLWIRE FOR DOOR CONTACT FROM TOP OF DOOR FRAME STUBBED UP TO NEAREST ACCESSIBLE CEILING FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER. REFER TO DOOR STRIKE DETAIL ON SHEET E701.
25. PROVIDE CONDUIT WITH PULLWIRE FOR ELECTRIC DOOR STRIKE FROM TOP OF DOOR FRAME STUBBED UP TO NEAREST ACCESSIBLE CEILING FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER. REFER TO DOOR STRIKE DETAIL ON SHEET E701.
26. PROVIDE JUNCTION BOX FOR OVERHEAD DOOR CONTACT AND EXTEND CONDUIT WITH PULLWIRE TO RADIO ROOM OMF-011 FOR USE BY OTHERS.

HAZARDOUS LOCATIONS:

1. IN THE TRUCK STORAGE, VEHICLE MAINTENANCE AND WASH BAY AREAS, ALL AREAS LOCATED BELOW 18" A.F.F. ARE CLASSIFIED AS CLASS 1, DIVISION 2 LOCATIONS. CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 511.4 ALL CONDUITS SHALL BE CONCEALED IN MASONRY WALLS; OTHERWISE SEALING FITTINGS PER NEC 501.5 ARE REQUIRED WHERE CONDUITS EXTEND THROUGH THE CLASS 1 DIVISION 2 AREA LOCATED UP TO 18" A.F.F.
2. ALL CONDUITS REQUIRING SEALING FITTINGS WHICH ARE TO BE LEFT EMPTY ARE TO BE INSTALLED WITH THREADED CAPS IN LIEU OF SEALANT.

THOMAS & MARKER CONSTRUCTION

RDFA

STATE OF OHIO
G. C. TOPP 51988
M. L. YOUNG 43335
REGISTERED PROFESSIONAL ENGINEERS

BALANCE OF PROJECT PACKAGE
DOT-130006

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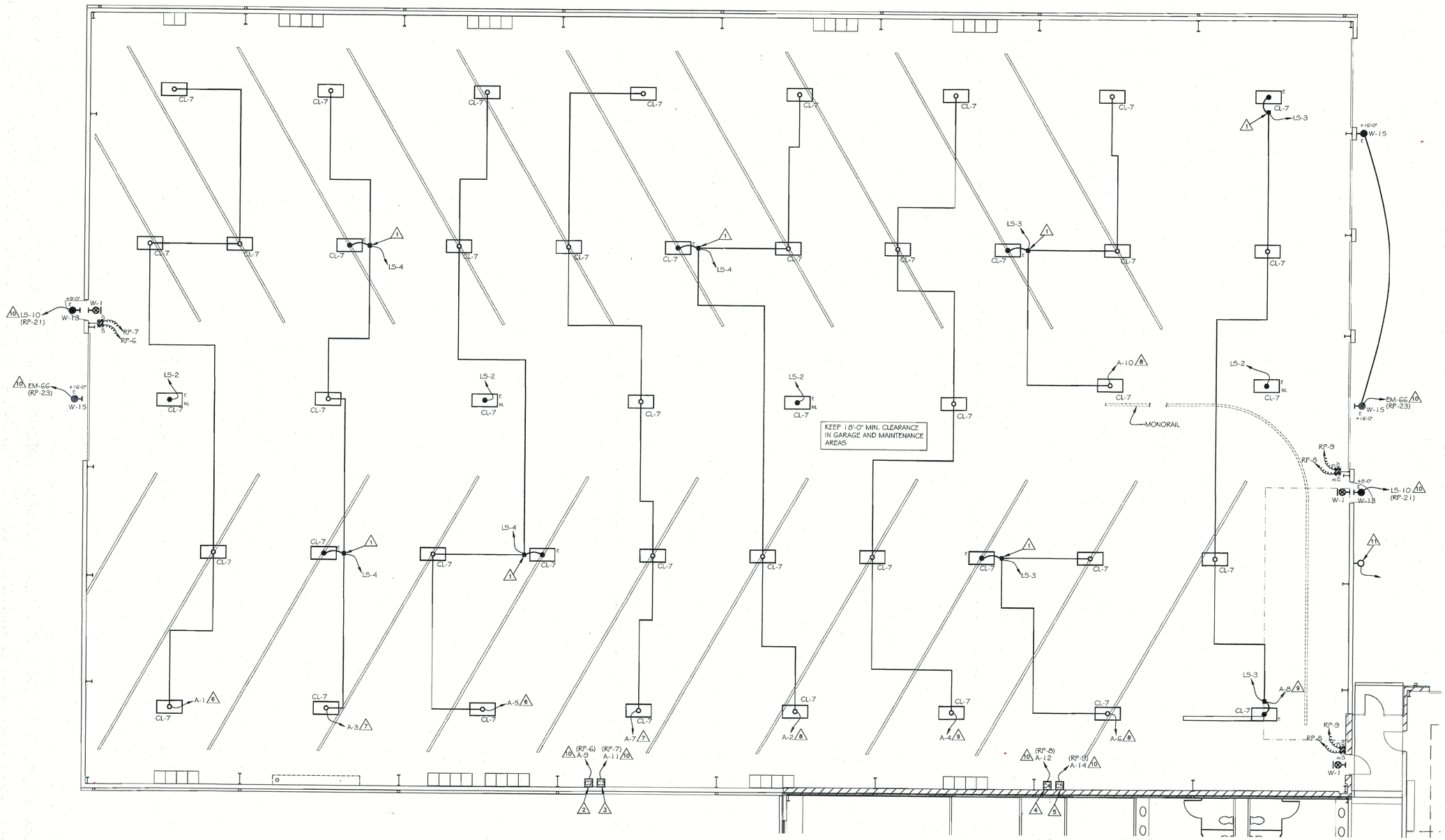
TRUCK STORAGE ELECTRICAL POWER PLAN



TRUCK STORAGE LIGHTING PLAN

0 8'

NORTH

FLOOR PLAN TRUCK STORAGE

HAZARDOUS LOCATIONS:

1. IN THE TRUCK STORAGE, VEHICLE MAINTENANCE AND WASH BAY AREAS, ALL AREAS LOCATED BELOW 18' A.F.F. ARE CLASSIFIED AS CLASS 1, DIVISION 2 LOCATIONS. CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 511.4. ALL CONDUITS SHALL BE CONCEALED IN MASONRY WALLS; OTHERWISE SEALING FITTINGS PER NEC 501.5 ARE REQUIRED WHERE CONDUITS EXTEND THROUGH THE CLASS 1 DIVISION 2 AREA LOCATED UP TO 18' A.F.F.
2. ALL CONDUITS REQUIRING SEALING FITTINGS WHICH ARE TO BE LEFT EMPTY ARE TO BE INSTALLED WITH THREADED CAPS IN LIEU OF SEALANT.

ELECTRICAL CODED NOTES

1. GENERATOR TRANSFER DEVICES (GTD) SHALL BE PROVIDED AS INDICATED. DEVICE SHALL ALLOW EMERGENCY CIRCUIT TO POWER FIXTURE REGARDLESS OF LOCAL SWITCH POSITION.
2. 20A.2P. LIGHTING CONTACTOR "C2" MOUNTED AS HIGH AS POSSIBLE.
3. 20A.2P. LIGHTING CONTACTOR "C3" MOUNTED AS HIGH AS POSSIBLE.
4. 20A.3P. LIGHTING CONTACTOR "C4" MOUNTED AS HIGH AS POSSIBLE.
5. 20A.2P. LIGHTING CONTACTOR "C5" MOUNTED AS HIGH AS POSSIBLE.
6. WIRE THROUGH LIGHTING CONTACTOR "C2". USE CIRCUIT INDICATED.
7. WIRE THROUGH LIGHTING CONTACTOR "C3". USE CIRCUIT INDICATED.
8. WIRE THROUGH LIGHTING CONTACTOR "C4". USE CIRCUIT INDICATED.
9. WIRE THROUGH LIGHTING CONTACTOR "C5". USE CIRCUIT INDICATED.
10. WIRE THRU LOW VOLTAGE SWITCHING RELAY CABINET, USE CIRCUIT INDICATED. REFER TO LOW VOLTAGE SWITCHING RELAY CABINET SCHEDULE ASSOCIATED WITH THIS ROOM/AREA.
11. PROVIDE PHOTOCELL MOUNTED ON ~~ROOF~~ metal siding AND WIRE TO LIGHTING LOW VOLTAGE RELAY PANEL.

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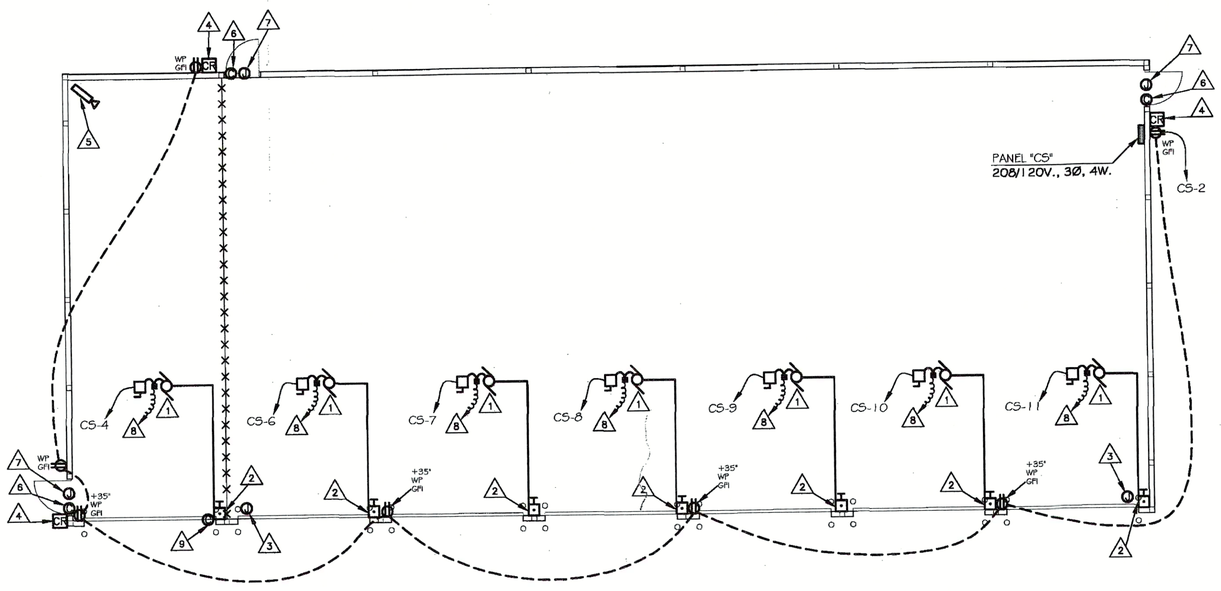
TRUCK STORAGE LIGHTING PLAN



COLD STORAGE POWER PLAN

0 8' NORTH

FLOOR PLAN COLD STORAGE BUILDING

ELECTRICAL CODED NOTES △

1. OVERHEAD DOOR 3/4 H.P., 120/1. PROVIDE DISCONNECT SWITCH, POWER WIRING, AND CONTROL WIRING TO OVERHEAD DOOR OPERATOR, PUSHBUTTON STATION, AND DOOR EDGE SAFETY SENSOR.
2. OVERHEAD DOOR PUSHBUTTON OPERATOR.
3. FOR BEAM DETECTOR BY OTHERS. PROVIDE CONDUIT WITH PULLWIRE FOR USE BY OTHERS.
4. PROVIDE JUNCTION BOX FOR CARD READER AND EXTEND CONDUIT WITH PULLWIRE STUBBED TO INSIDE OF COLD STORAGE BUILDING FOR USE BY OTHERS. COORDINATE LOCATION OF CONDUIT TERMINATION WITH EQUIPMENT SUPPLIER. REFER TO DETAIL ON SHEET E701.
5. PROVIDE JUNCTION BOX AND EXTEND CONDUIT WITH PULLWIRE FOR CCTV CAMERA BY OTHERS. COORDINATE MOUNTING HEIGHT IN FIELD WITH CCTV CAMERA PROVIDER.
6. PROVIDE CONDUIT WITH PULLWIRE FOR DOOR CONTACT FROM TOP OF DOOR FRAME FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER. REFER TO DETAIL ON SHEET E701.
7. PROVIDE CONDUIT WITH PULLWIRE FOR ELECTRIC DOOR STRIKE FROM TOP OF DOOR FRAME FOR USE BY OTHERS. COORDINATE WITH EQUIPMENT PROVIDER. REFER TO DETAIL ON SHEET E701.
8. PROVIDE WIRING TO OVERHEAD DOOR CONTROL RELAY IN TIMEKEEPER OMF-005 AS REQUIRED TO INTERRUPT OVERHEAD DOOR FACTORY CONTROL WIRING. VERIFY WIRING ARRANGEMENT WITH OVERHEAD DOOR MANUFACTURER.
9. PROVIDE JUNCTION BOX FOR OVERHEAD DOOR CONTACT AND EXTEND CONDUIT WITH PULLWIRE TO RADIO ROOM OMF-011 FOR USE BY OTHERS

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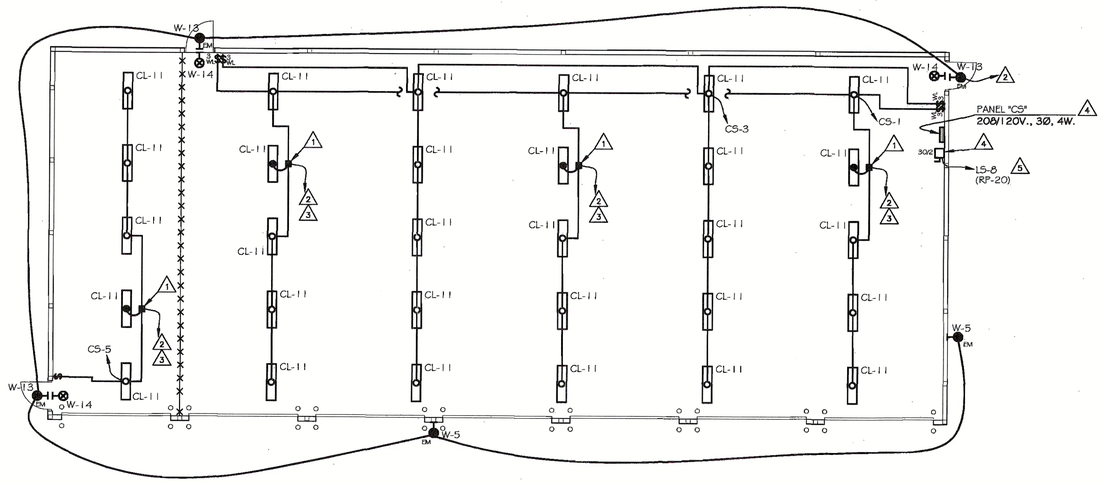
COLD STORAGE ELECTRICAL POWER PLAN



COLD STORAGE LIGHTING PLAN

0 8' NORTH

FLOOR PLAN COLD STORAGE BUILDING

ELECTRICAL CODED NOTES △

1. GENERATOR TRANSFER DEVICES (GTD) SHALL BE PROVIDED AS INDICATED. DEVICE SHALL ALLOW EMERGENCY CIRCUIT TO POWER FIXTURE REGARDLESS OF LOCAL SWITCH POSITION.
2. WIRE TO DISCONNECT SWITCH ADJACENT TO PANEL "CS".
3. WIRE AHEAD OF EXTERIOR LIGHTING SWITCH LEG.
4. PROVIDE NEMA 3R EQUIPMENT.
5. WIRE THRU LOW VOLTAGE SWITCHING RELAY CABINET, USE CIRCUIT INDICATED. REFER TO LOW VOLTAGE SWITCHING RELAY CABINET SCHEDULE ASSOCIATED WITH THIS ROOM/AREA.

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BALANCE OF PLANS FOR CONSTRUCTION OF PROJECT PACKAGE
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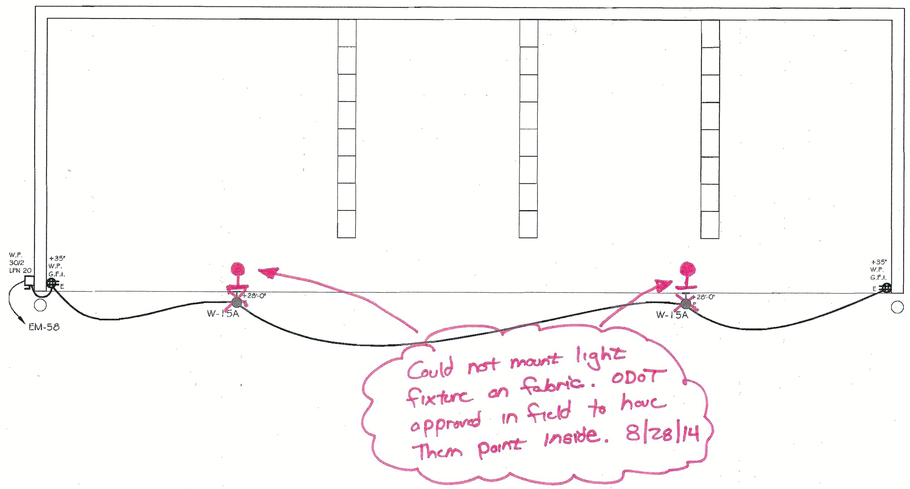
COLD STORAGE LIGHTING PLAN



MATERIAL STORAGE ELECTRICAL POWER PLAN

0 8' NORTH

FLOOR PLAN MATERIAL STORAGE BUILDING

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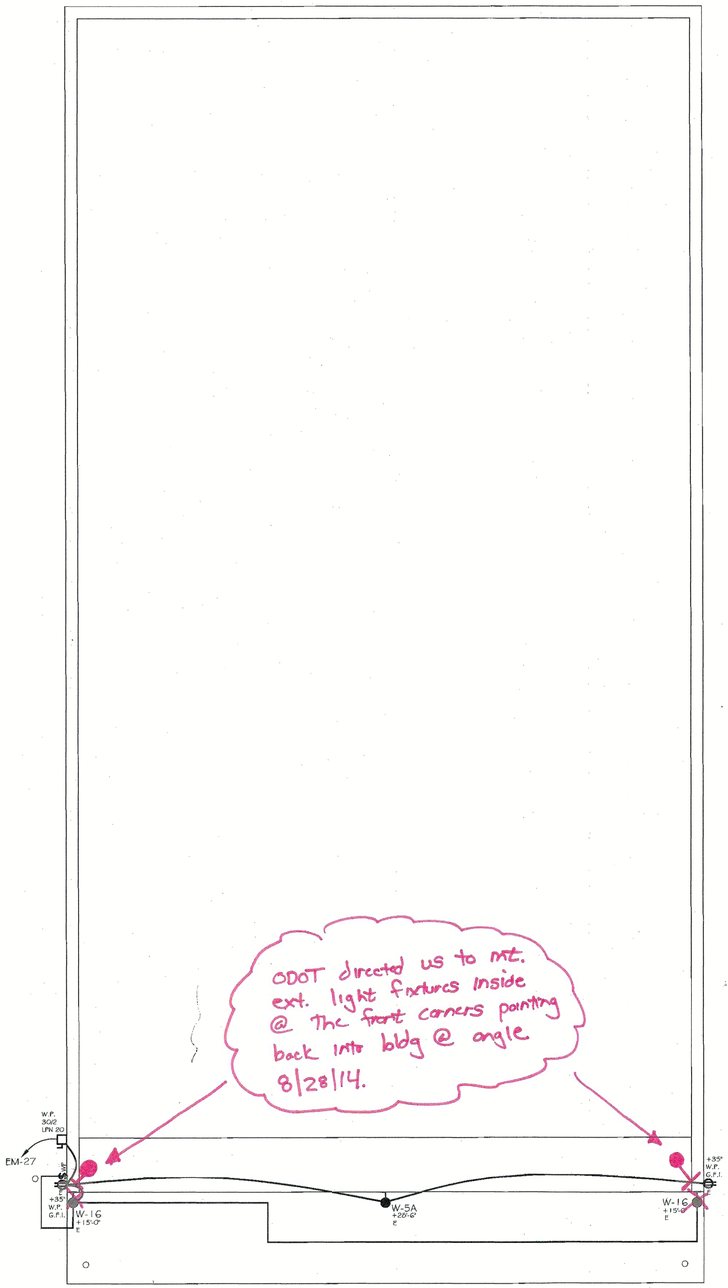
MATERIAL STORAGE
ELECTRICAL POWER PLAN



SALT STORAGE ELECTRICAL POWER PLAN

FLOOR PLAN SALT STORAGE BUILDING

0 8' NORTH

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