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ODOT WASHINGTON COUNTY REST AREA BUILDING REPLACEMENT

PROJECT #DOT-200006

CONSTRUCTION DOCUMENT SUBMITTAL

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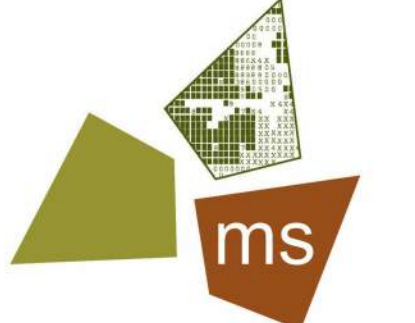
DRAWN BY RLH

CHECKED BY SA

APPROVED BY SA

ISSUE DATE 7/2/21

REVISION		
#	DATE	DESCRIPTION
2/8/21	SD SUBMISSION	
4/7/21	DD PROGRESS	
4/21/21	DD SUBMISSION	
6/18/21	CD PROGRESS	
7/2/21	CD SUBMISSION	



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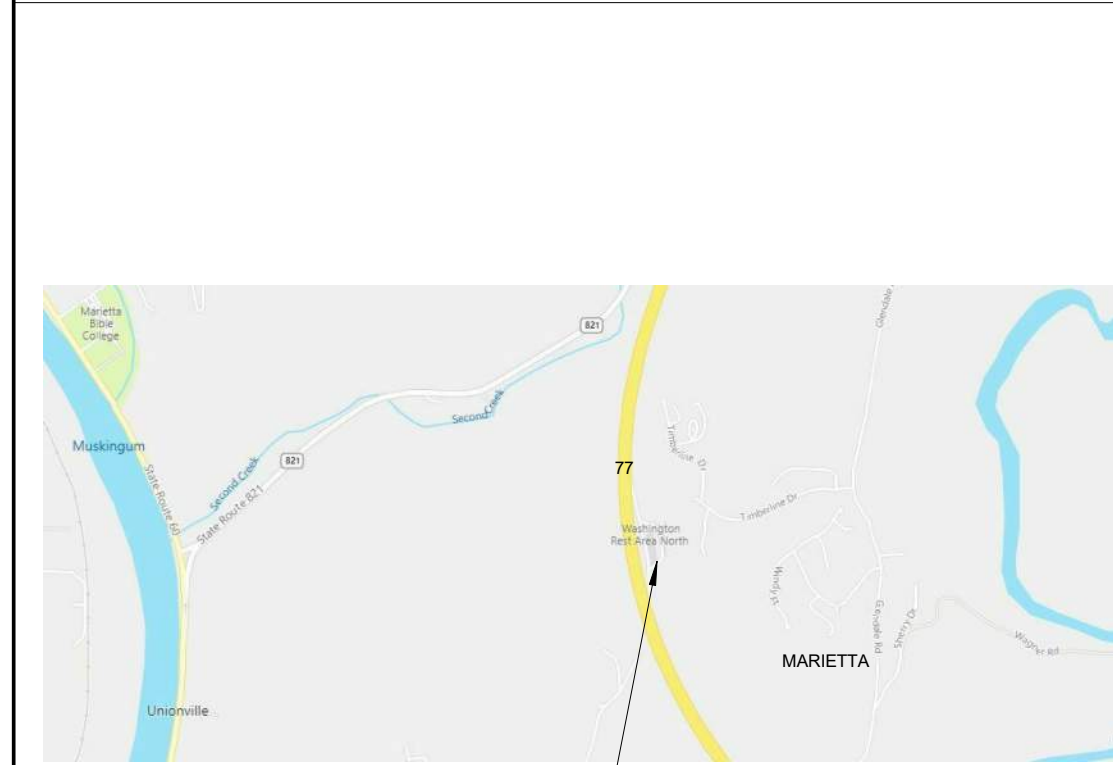
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PROJECT
**REST AREA BUILDING
REPLACEMENT**
MARIETTA, OHIO 45750
WASHINGTON COUNTY

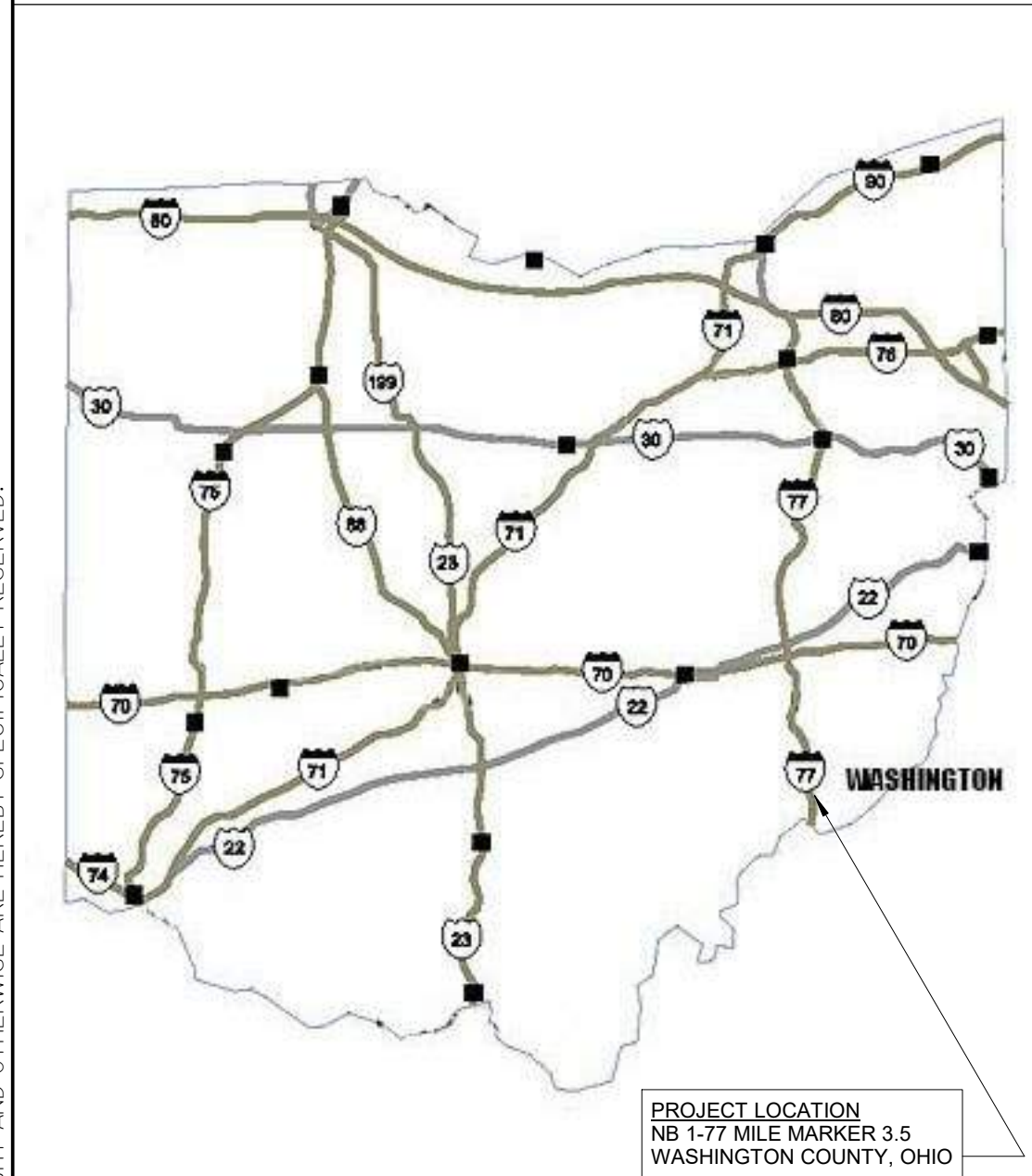
**NOT FOR
CONSTRUCTION**

VICINITY MAP



PROJECT LOCATION
NB 1-77 MILE MARKER 3.5
WASHINGTON COUNTY, OHIO

AREA MAP



PROJECT LOCATION
NB 1-77 MILE MARKER 3.5
WASHINGTON COUNTY, OHIO

GENERAL NOTES

- CONTRACTOR SHALL RECEIVE A WRITTEN NOTICE TO PROCEED FROM THE CONTRACTING AUTHORITY BEFORE STARTING ANY WORK.
- ALL BUILDING, ZONING, AND TRADE PERMITS SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL BUILDING CODES. CONTRACTOR TO NOTIFY ARCHITECT IMMEDIATELY IN WRITING IF DOCUMENTS VARY FROM THESE REGULATIONS.
- ALL ELECTRICAL WORK SHALL BE INSTALLED PER THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE.
- MECHANICAL WORK SHALL BE INSTALLED ACCORDING TO THE REQUIREMENT OF THE LATEST EDITION OF THE OHIO BUILDING CODE, THE OHIO MECHANICAL CODE, AND THE OHIO PLUMBING CODE.
- CONTRACTOR SHALL MAINTAIN A NEAT AND ORDERLY WORK AND STORAGE AREA.
- THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, WATER, HEAT, UTILITIES, TRANSPORTATION, AND OTHER SERVICES NECESSARY FOR COMPLETION OF THE WORK, UNLESS NOTED OTHERWISE IN AGREEMENTS.
- CONTRACTOR SHALL INSTALL BARRICADES AND DUST BARRIERS TO PROTECT THE PUBLIC, RESIDENTS, OWNER'S PERSONNEL, AND ADJACENT PROPERTY FROM DEMOLITION AND CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE DRAWINGS AND OTHER CONTRACT DOCUMENTS. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND OBSERVE CONDITIONS OF THE WORK RELATED TO THE CONTRACT DOCUMENTS. THE ARCHITECT SHALL BE NOTIFIED PROMPTLY OF ANY INCONSISTENCIES FOR CLARIFICATION AND COORDINATION BEFORE PROCEEDING WITH THE WORK.
- CONTRACTORS ARE RESPONSIBLE FOR OBTAINING FROM THE GENERAL CONTRACTOR AND DISTRIBUTING TO OTHERS CONSTRUCTION DOCUMENTS IN THEIR ENTIRETY.
- 100.00' FINISH FLOOR ELEVATION IS USED FOR CONVENIENCE (ACTUAL ELEVATION WILL VARY BY PROJECT.)

CODE NOTES

THE REST AREA BUILDING DESIGN IS BASED ON THE 2017 OHIO BUILDING CODE (OBC).
THE FOLLOWING CHAPTERS OF THE OBC HAVE BEEN USED TO DEVELOP THE DESIGN:

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION:
SECTION 304 ASSEMBLY A-3; LOBBY AND VENDING
SECTION 311 STORAGE GROUP S-1 (STORAGE MODERATE HAZARD); MAINTENANCE AND MECHANICAL

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS:
SECTION 503 GENERAL BUILDING HEIGHT AND LIMITATIONS AND TABLE 503 - BASED ON THE CONSTRUCTION TYPE: VB (MINIMUM);
TABLE 503 ALLOWABLE AREA = 6,000 SQUARE FEET
AREA FACTOR = (260' PERIMETER W/ OPEN SPACE / 334' TOTAL PERIMETER - 25) X 30/30 = .52
ALLOWABLE AREA = 6,000 S.F. + (6,000 X .52) = 9,120 S.F.

SECTION 506.2 ALLOWABLE AREA DETERMINATION CALCULATED AS FOLLOWS:
ACTUAL AREA 5,412 SF
INTERIOR AREA 1,474 SF
PORCH AREA 6,886 SF
TOTAL AREA 8,886 SF

SECTION 504 BUILDING HEIGHT:
ALLOWABLE HEIGHT LIMIT: 1 STORY, 60'-0"
ACTUAL HEIGHT: 1 STORY

CHAPTER 6 - TYPES OF CONSTRUCTION:
SECTION 602.5: TABLE 603 ALLOWS TYPE VB CONSTRUCTION AS DEFINED BY SECTION 602.5 FOR THE BUILDING'S HEIGHT AND AREA. TABLE 601 AND 602 CONTAIN NO FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS.

CHAPTER 7 - FIRE-RESISTANCE-RATED CONSTRUCTION:
SECTION 717.4.3 DRAFTSTOPPING - ATTIC AREA IS LESS THAN 3,000 SQUARE FEET. DRAFTSTOPPING IS NOT REQUIRED.

CHAPTER 8 - INTERIOR FINISHES:
SECTION 803 - WALL AND CEILING FINISHES
EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS A
CORRIDORS: CLASS B
ROOMS AND ENCLOSED SPACES: CLASS C

SECTION 804 - INTERIOR FLOOR FINISHES
EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS II
CORRIDORS: CLASS II
ROOMS AND ENCLOSED SPACES: CLASS II
ALL OTHER AREAS FLOOR COVERING MATERIALS COMPLY WITH THE DOC FF-1 "PILL TEST".

CHAPTER 9 - FIRE PROTECTION SYSTEM:
EXTINGUISHERS SHALL BE 10LB CAPACITY, U.L. LABELED, ENAMEL STEEL CONTAINER WITH PRESSURE INDICATING GAUGE FOR CLASS A FIRES. MAXIMUM SPACING TO BE 75 FEET APART ACCORDING TO OBC TABLE 906.3. TO BE WALL MOUNTED. SECTION 906 PORTABLE FIRE EXTINGUISHERS - TYPE ABC-20 POUND FIRE EXTINGUISHERS SHALL BE LOCATED IN THE MAINTENANCE ROOM AND THE MECHANICAL ROOM.

FE - FIRE EXTINGUISHER CABINET; NOT DRAWN TO SCALE
FE - MOUNTED FIRE EXTINGUISHER; NOT DRAWN TO SCALE

SECTION 903.2.1.3 SPRINKLERS NOT REQUIRED IN A-3 WITH FIRE AREA UNDER 12,000 SF AND OCCUPANCY LESS THAN 300 PERSONS.

SECTION 970.2.1 FIRE ALARMS ARE NOT REQUIRED IN ASSEMBLY WITH LESS THAN 300 PERSONS.

CHAPTER 10 - MEANS OF EGRESS:
SECTION 1004 OCCUPANT LOAD
MECHANICAL ROOM (300 GROSS): 1 OCCUPANT
MAINTENANCE OFFICE (100 GROSS): 3 OCCUPANTS
ASSEMBLY (30 NET): 58 OCCUPANTS
TOTAL OCCUPANCY: 62 OCCUPANTS

SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS: TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS: THE MAXIMUM COMMON PATH OF TRAVEL ALLOWED IS 75 FEET. THE COMMON PATH OF TRAVEL WITH ONLY ONE SET OF DOORS LOCATED AT THE VESTIBULE EXCEEDS 75 FEET. THE ACTUAL MAXIMUM COMMON PATH OF TRAVEL WITH THE EMERGENCY EGRESS EXIT DOOR ON THE NORTH SIDE OF THE LOBBY IS 44'-5".

SECTION 1010.1.10 EXCEPTION 1, PUSH/PULL HARDWARE IS PERMITTED AT THE MAIN ENTRANCE.

SECTION 1016 EXIT EGRESS TRAVEL DISTANCE: SECTION 1016.1 - TRAVEL DISTANCE LIMITATIONS AND TABLE 1016.1 LIMIT THE TRAVEL DISTANCE TO 200 FEET. THE MAXIMUM TRAVEL DISTANCE FROM THE SOUTH WOMENS RESTROOM IS 98'-11".

CHAPTER 11 - ACCESSIBILITY:
SECTION 1101.2 DESIGN - THE PROJECT IS DESIGNED AND SHALL BE CONSTRUCTED TO COMPLY WITH ICC A117.1 AS AMENDED IN SECTION 1112 OF THE OBC.

CHAPTER 12 - INTERIOR ENVIRONMENT:
SECTIONS 1203.1 AND 1205.1 - THE PROJECT IS DESIGNED AND SHALL BE CONSTRUCTED WITH MECHANICAL VENTILATION AND ARTIFICIAL LIGHT IN COMPLIANCE WITH THE MECHANICAL CODE AND SECTION 1205.3.

CHAPTER 13 - ENERGY EFFICIENCY:
THE PROJECT IS DESIGNED AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH THIS CHAPTER.

CHAPTER 14 - EXTERIOR WALLS:
THE PROJECT IS DESIGNED AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH SECTIONS 1404.2, 1404.4, AND 1404.10.

CHAPTER 15 - ROOF ASSEMBLIES AND ROOFTOP STRUCTURES:
SECTION 1504.3.2 - THE METAL ROOF PANELS ARE DESIGNED AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH THIS SECTION.

CHAPTER 16 - STRUCTURAL DESIGN:
SECTION 1609.2 - DESIGN SNOW LOADS SHALL BE DETERMINED IN ACCORDANCE WITH CHAPTER 7 OF THE ASCE 7 OR FIGURE 1609.2, BUT THE DESIGN ROOF LOAD SHALL NOT BE LESS THAN THAT DETERMINED BY SECTION 1607.
SECTION 1609 WIND LOADS - WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH CHAPTER 6 OF ASCE 7 AND DETERMINED BY FIGURE 1609 OF THE CODE.

CHAPTER 17 - SPECIAL TESTS AND SPECIAL INSPECTIONS:
SEE THE STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR THIS SECTION.

CHAPTER 18 - SOLS AND FOUNDATIONS:
SECTIONS 1803.2 AND 1803.6: GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 1803.2 AND REPORTED IN ACCORDANCE WITH SECTION 1803.6. FOUNDATIONS AND SLABS ARE DESIGNED AND SHALL BE IN COMPLIANCE WITH THIS CHAPTER. LOCAL CONDITIONS SHALL BE REVIEWED AND DESIGN SHALL BE IN COMPLIANCE WITH LOCAL FROST DEPTHS AND SOIL CONDITIONS FOUND IN THE GEOTECHNICAL REPORT.

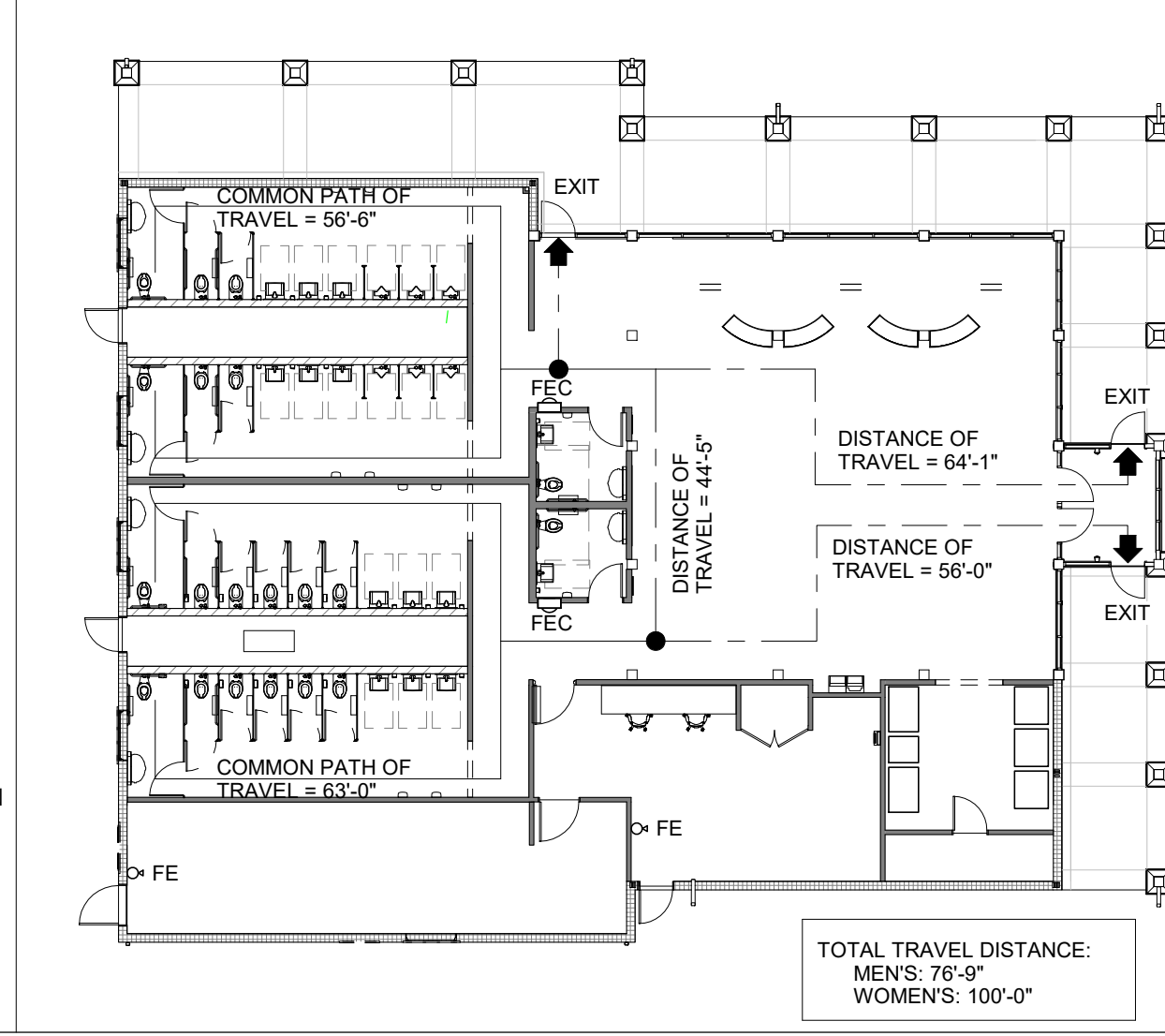
CHAPTER 19 - CONCRETE:
SEE THE STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR THIS SECTION.

CHAPTER 20 - MASONRY:
MASONRY WALLS ARE NOT LOAD-BEARING.

CHAPTER 23 - WOOD:
SEE THE STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR THIS SECTION.

CHAPTER 26 - PLASTIC:
SECTION 2603.4 - FOAM PLASTIC SHALL BE SEPARATED FROM THE INTERIOR BY A THERMAL BARRIER OF 1/2" INCH GYPSUM WALLBOARD OR EQUIVALENT THERMAL BARRIER MATERIAL.

LIFE SAFETY PLAN



CONTACTS

OWNER	CONTRACTING AUTHORITY	ARCHITECT	MECHANICAL & ELECTRICAL ENGINEERS	STRUCTURAL ENGINEERS	CIVIL ENGINEERS	LANDSCAPE ARCHITECT
OHIO DEPARTMENT OF TRANSPORTATION STATEWIDE FACILITIES OPERATIONS 1980 WEST BROAD STREET SUITE 2033 MAIL STOP #2310 COLUMBUS, OHIO 43223 CONTACT: ERIC MOSER (614) 466-3897 OFFICE: (614) 466-3897 EMAIL: ERIC.MOSER@ODOT.OHIO.GOV	OHIO FACILITIES CONSTRUCTION COMMISSION 30 W. SPRING STREET 4TH FLOOR COLUMBUS, OHIO 43215 CONTACT: PATRICK SIMPSON OFFICE: (614) 387-1270 EMAIL: PATRICK.SIMPSON@OFCC.OHIO.GOV	MS CONSULTANTS, INC. 333 E FEDERAL STREET YOUNGSTOWN, OHIO 44503 CONTACT: SANDIPAN ADITYA OFFICE: (614) 898-7100 EMAIL: SADITYA@MSCONSULTANTS.COM	J.M. VEROSTKO, INC. 2781 SALT SPRINGS ROAD YOUNGSTOWN, OHIO 44509 CONTACT: JOE VEROSTKO OFFICE: (330) 799-1339 EMAIL: JOE@JMVEROSTKO.COM	MS CONSULTANTS, INC 333 E FEDERAL STREET YOUNGSTOWN, OHIO 44503 CONTACT: CRAIG METZGER OFFICE: (614) 898-7100 EMAIL: CMETZGER@MSCONSULTANTS.COM	MS CONSULTANTS, INC 333 E FEDERAL STREET YOUNGSTOWN, OHIO 44503 CONTACT: IAN AULTMAN OFFICE: (614) 898-7100 EMAIL: IALTMAN@MSCONSULTANTS.COM	FOURPLY DESIGN 498 BLUE HERON COURT WESTERVILLE, OHIO 43082 CONTACT: NICHOLAS SANNA OFFICE: (910) 381-3110 EMAIL: NJSANNA@FOURPLYDESIGN.COM

PROJECT NO. 64-12A23-00

SHEET TITLE TITLE SHEET

SHEET **G101**

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GENERAL

CONTRACTOR MUST HOLD TO ELEVATIONS ESTABLISHED BY ENGINEERS.

ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER SHALL NOT BE CONNECTED TO THE SANITARY LATERAL.

HEAVY DUTY FRAME AND GRATE SHALL BE USED ON ALL CATCH BASINS UNLESS OTHERWISE SHOWN ON PLANS.

PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND REQUIREMENTS.

THE GEOTECHNICAL REPORT WAS PREPARED BY:
GEOTECHNICAL CONSULTANTS, INC.
8433 SOUTH AVENUE
BUILDING 1, SUITE 1
BOARDMAN, OH 44514
(330) 965-1400

THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY THEIR WORK FORCE.

ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON SURVEY OR AVAILABLE RECORD INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE CONTRACTING AUTHORITY'S REPRESENTATIVE AND ODOT PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL AT ALL TIMES INSURE THAT SWPPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION. (SEE STORM WATER POLLUTION PREVENTION PLAN NOTES AND DETAILS).

GEOMETRIC POINTS AND COORDINATES FOR BUILDING CORNERS ARE PROVIDED TO CONTRACTOR. VERIFY AND NOTIFY ARCHITECT PRIOR TO BEGINNING CONSTRUCTION IF DISCREPANCY IS FOUND.

UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE.

THE CONTRACTOR WILL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE CONTRACTING AUTHORITY VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE CONTRACTING AUTHORITY. VERBALLY AND IN WRITING AS REQUIRED ABOVE. OF SUCH DIFFERING CONDITIONS.

NO RECYCLED MATERIAL SHALL BE PERMITTED UNLESS OTHERWISE AUTHORIZED. GRANULATED SLAG (GS) SHALL NOT BE PERMITTED.

WATER CONTROL

THE CONTRACTOR IS REQUIRED TO AND IS RESPONSIBLE FOR CONTROL OF GROUNDWATER WITHIN ANY EXCAVATIONS TO A MINIMUM OF TWO (2) FEET BELOW THE BOTTOM OF EXCAVATION FOR THE REQUIRED IMPROVEMENTS. ALL IMPROVEMENTS ARE TO BE CONSTRUCTED IN A DRY TRENCH OR EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE MADE FOR DEWATERING.

THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING ALL SURFACE RUNOFF AND DIVERTING FROM ANY OPEN EXCAVATIONS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR DAMAGES OR REQUIRED REWORK RESULTING FROM SURFACE WATER ENTERING EXCAVATIONS.

UTILITIES

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM SURVEY AND AVAILABLE RECORD INFORMATION.

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN IN THE PLANS.

THE CONTRACTOR SHALL STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY ARE INSTALLED. THE MARKING OR LOCATION SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

IF WATER IS REQUIRED DURING CONSTRUCTION THE CONTRACTOR MAY CONTACT JEFF KEPHART WITH THE CITY OF MARIETTA WATER DEPARTMENT AT 724-374-6864 TO USE THE EXISTING HYDRANT ON-SITE. THE HYDRANT SHALL ONLY BE USED WITH APPROVAL FROM THE CITY.

COMPACTION AND PROOFROLLING

ALL AREAS RECEIVING NEW FILL, AND ALL AREAS AT GRADE TO RECEIVE PAVEMENTS AND FLOOR SLABS, SHALL BE COMPACTED IN THE UPPER 12 INCHES OF EXPOSED SUBGRADE TO A MINIMUM 98 PERCENT OF THE MAXIMUM DENSITY OBTAINABLE IN ACCORDANCE WITH ASTM D-698 (STANDARD) WITHIN +/-2 PERCENT OF OPTIMUM MOISTURE CONTENT, AND PROOFROLLED. AREAS TO BE CUT SHOULD BE CUT TO THEIR FINAL GRADE PRIOR TO COMPACTING AND PROOFROLLING.

PROOFROLLING SHALL BE PERFORMED USING A FULLY-LOADED, TANDEM-AXLE DUMP TRUCK (OR OTHER APPROPRIATELY SIZED EQUIPMENT), AND MUST BE OBSERVED BY THE GEOTECHNICAL TESTING AGENCY.

RESTORATION OF EXISTING FACILITIES TO REMAIN

THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, AND MACHINES NEEDED AND NECESSARY TO REPAIR AND RECONSTRUCT TO THEIR ORIGINAL CONDITION OR BETTER MEDIANS, RETAINING WALLS, BRIDGES IN PART, SIDEWALKS, CURBS, CATCH BASINS, FENCES, STORM SEWERS, WATER LINES, VALVES, HYDRANTS, GAS LINES, WATER SERVICE LINES, GAS SERVICE LINES, EXISTING MANHOLES, TREES, SHRUBS, (TREES TO BE REPLACED SHALL BE 3" CALIPER MEASUREMENT AND SHALL BE REPLACED IN KIND) AND ANY OTHER STRUCTURES WHICH HAVE BEEN REMOVED, RELOCATED, AND/OR DISTURBED IN PART OR BEEN REMOVED, RELOCATED, AND/OR DISTURBED IN PART OR WHOLE AS THE RESULT OF THE FACILITIES AND APPURTENANCE THERETO. THE WORK SHALL ALSO INCLUDE THE REMOVAL AND DISPOSAL OF EXCESS MATERIALS RESULTING FROM REPAIR, RECONSTRUCTION AND RESTORATION. LIGHTS, SIGNS AND BARRICADES SHALL BE PROVIDED AND TRAFFIC MAINTAINED PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.

REVIEW OF DRAINAGE AND UTILITY FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CONTRACTING AUTHORITY, REPRESENTATIVES OF THE CONTRACTING AUTHORITY AND CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING UTILITIES WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. RECORDS OF INSPECTIONS SHALL BE KEPT IN WRITING BY THE ARCHITECT.

ALL NEW CONDUITS, INLETS, AND CATCH BASINS CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CONTRACTING AUTHORITY.

ALL EXISTING UTILITIES INSPECTED BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT.

THE CONTRACTOR SHALL CONDUCT THEIR OPERATION SO AS TO MAINTAIN AT ALL TIMES FLOWS THROUGH EXISTING FACILITIES TO REMAIN IN PLACE AND THROUGH EXISTING UTILITIES TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PLACED INTO USE.

THE CONTRACTOR SHALL CONDUCT THEIR OPERATIONS IN SUCH A MANNER AS NOT TO DISRUPT SEWER OR WATER FLOWS THROUGH EXISTING FACILITIES. SHOULD ANY EXISTING FACILITY REQUIRE BEING MOVED, REPLACED, RELOCATED, OR BE ALTERED AS TO LINE OR GRADE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR CONTINUOUS, UNINTERRUPTED USE OF SAID FACILITY WITH THE COST OF SAID PROVISION BEING INCLUDED IN THE PRICE BID FOR PIPE, UNLESS SPECIFICALLY ITEMIZED AND PROVIDED FOR IN THE PROPOSAL.

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS OVER OR UNDER AN EXISTING UTILITY, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE THEY START TO LAY THE PROPOSED CONDUIT.

THE UPSTREAM ENDS OF ALL PIPE INTERCEPTED BY EARTHWORK OPERATIONS (AND WHERE INDICATED, THE END OF THE PIPE LINES TO BE ABANDONED IN PLACE) SHALL BE EFFECTIVELY BLOCKED AND COVERED. BROKEN PIECES OF PIPE OR TILE SHALL BE REMOVED UNTIL A WHOLE UNDAMAGED LENGTH OF PIPE IS ENCOUNTERED. THIS PIPE END SHALL BE BLOCKED WITH A 6" WALL OF CONCRETE, OR 8" WALL OF BRICK LAID IN MORTAR, OR A PRECAST CLAY OR CONCRETE STOPPER CEMENTED IN PLACE.

DEMOLITION NOTES

- REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN.
- REMOVE ITEMS INDICATED; CLEAN, SERVICE, AND OTHERWISE PREPARE THEM FOR REUSE; STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.
- PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING DEMOLITION. WHEN PERMITTED BY THE ARCHITECT ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING DEMOLITION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS.
- CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES INCLUDING THE FOLLOWING:
 - DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY ENGINEER AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO UTILITY OWNER AND TO GOVERNING AUTHORITIES.
 - DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.
 - IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS.
- REGULATORY REQUIREMENTS: COMPLY WITH LOCAL AND GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.
- OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
 - DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY ENGINEER AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO UTILITY OWNER AND TO GOVERNING AUTHORITIES.
- DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.
- UTILITY REQUIREMENTS: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVING THE SITE.
 - ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES.
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT SURFACES AND AREAS.
 - ERECT TEMPORARY PROTECTION, BARRICADES.
 - PROTECT EXISTING SITE IMPROVEMENTS AND APPURTENANCES TO REMAIN.
- EXPLOSIVES: USE OF EXPLOSIVES WILL NOT BE PERMITTED
- REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
- DAMAGES: PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST.
- GENERAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
- BURNING: OPEN BURNING IS NOT PERMITTED ON SITE.
- ASBESTOS: IF ANY MATERIALS SUSPECTED OF CONTAINING ASBESTOS ARE ENCOUNTERED, DO NOT DISTURB THE MATERIALS. IMMEDIATELY NOTIFY THE ARCHITECT AND THE CONTRACTING AUTHORITY.
- BELOW-GRADE DEMOLITION: DEMOLISH FOUNDATION WALLS AND OTHER BELOW-GRADE DEMOLITION, AS FOLLOWS:
 - COMPLETELY REMOVE, BELOW-GRADE DEMOLITION, INCLUDING FOUNDATION WALLS FOOTINGS, AND BELOW GRADE CONCRETE SLABS.
- FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF BUILDINGS AND PAVEMENTS WITH AN INERT, CLAY-BASED SOIL (AT LEAST 50% PASSING THE NO. 200 SIEVE). CONTRACTOR SHALL CONTACT CONTRACTING AUTHORITY'S REPRESENTATIVE PRIOR TO FILLING ANY AREAS TO OBSERVE FILL PROCEDURES.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
 - DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM CONTRACTING AUTHORITY AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
- CONTRACTOR TO NEATLY SAW CUT EXISTING PAVEMENT TO REMAIN PRIOR TO CURB, GUTTER, PAVEMENT, ETC REMOVAL.

SITE COORDINATION/COOPERATION

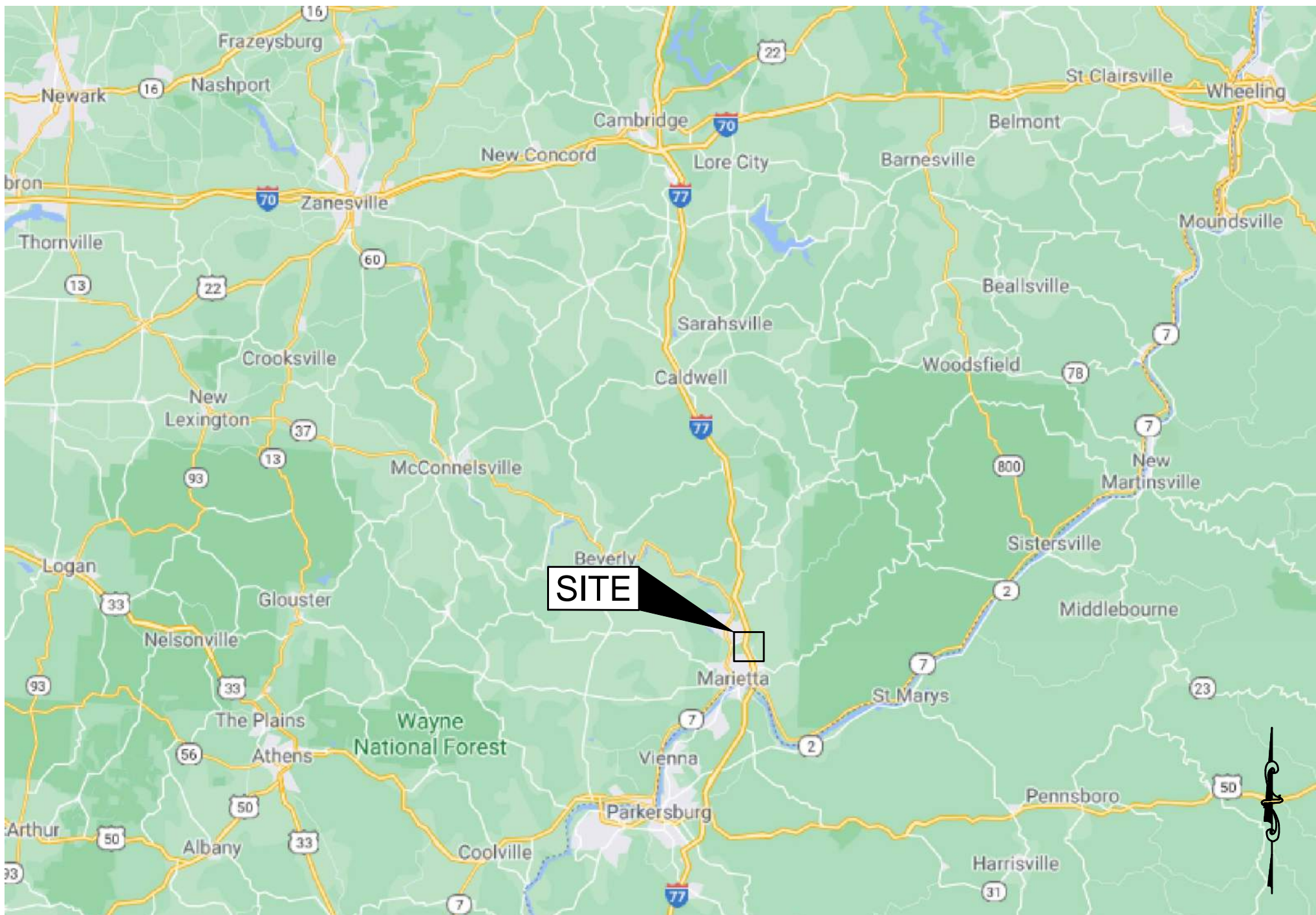
REST AREA ACCESS CLOSURE: ODOT WILL CLOSE THE INTERSTATE OFF-RAMP TO THE PUBLIC PRIOR TO THE START OF CONSTRUCTION (BEFORE DECEMBER 1, 2021) WITH EXCEPTION OF CONSTRUCTION VEHICLES AND OTHER AUTHORIZED VEHICLES, AND WILL REOPEN THE OFF-RAMP UPON COMPLETION OF THE PROJECT (OCTOBER 2022). THE DRIVEWAY, PARKING LOT, AND BUILDING SITE WILL REMAIN CLOSED FOR THE DURATION OF THE PROJECT. ODOT WILL PROVIDE AND MAINTAIN ALL INTERSTATE MAINTENANCE OF TRAFFIC DEVICES AND CONTROLS REQUIRED FOR THE PROJECT. ANY DAMAGE REQUIRING REPAIR, REPLACEMENT, OR RESET IS TO BE DONE AT THE COST OF THE BUILDING CONTRACTOR.

ODOT WILL AWARD AND EXECUTE A SEPARATE CONTRACT FOR THE RECONSTRUCTION OF THE EXISTING PARKING AREAS AND ON- AND OFF-RAMPS, COMPLETED CONCURRENTLY WITH THE REST AREA BUILDING REPLACEMENT PROJECT. THE CONTRACTOR, ODOT, AND ODOT'S SEPARATE CONTRACTOR MUST COORDINATE THE WORK AREAS AND ACCESS TO, FROM, AND WITHIN THE WORK ZONES.

THE BUILDING CONTRACTOR IS PERMITTED TO USE THE EXISTING PASSENGER VEHICLE PARKING AREA AS TEMPORARY LAYDOWN, STORAGE, AND WORK TRAILER SETUP DURING CONSTRUCTION (LOCATION IDENTIFIED ON THE LAYOUT AND MATERIALS PLAN). THE BUILDING CONTRACTOR MUST VACATE THIS AREA BY OCTOBER 1, 2022, FOR THE PROPOSED RESURFACING OPERATIONS TO BE COMPLETED BY THE PARKING LOT CONTRACTOR.

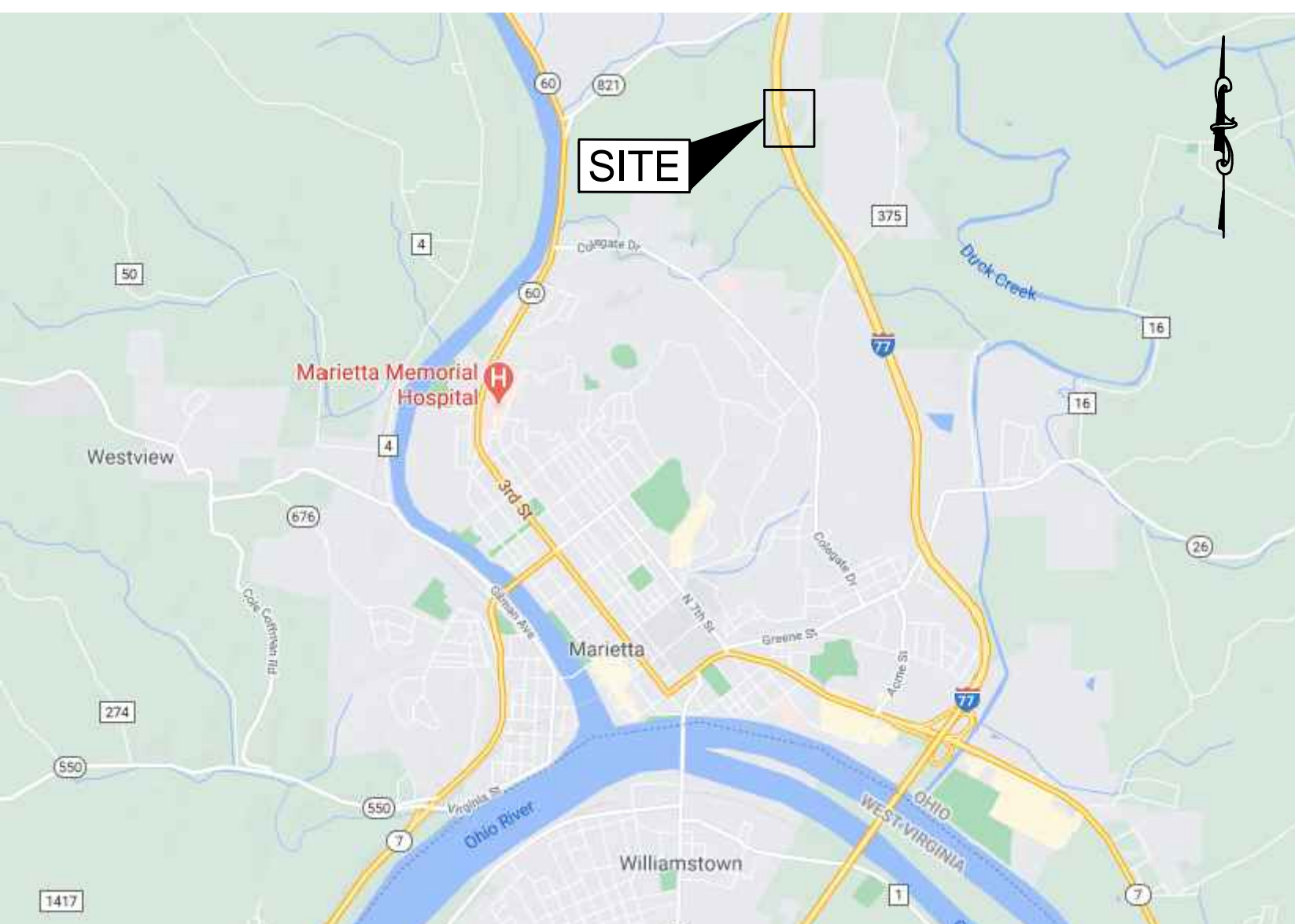
ANY EXCESS EXCAVATION MAY BE WASTED IN THE AREA OF THE EXISTING MAINTENANCE DRIVE THAT WILL BE DEMOLISHED AS PART OF THIS PROJECT. BUILDING CONTRACTOR MUST COORDINATE THE QUALITY, QUANTITY, AND PLACEMENT OF MATERIAL WITH THE PARKING LOT CONTRACTOR PRIOR TO WASTING OPERATIONS.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING VEGETATION WITHIN THE WORK LIMITS. TREES THAT ARE IDENTIFIED TO REMAIN ARE TO BE PROTECTED, AND ANY SHRUBS OR VEGETATION THAT DO NOT NEED TO BE REMOVED DUE TO CONSTRUCTION ACTIVITY SHALL BE MAINTAINED. A LANDSCAPE MAINTENANCE CONTRACTOR WILL BE HIRED BY ODOT TO MAINTAIN THE EXISTING VEGETATION OUTSIDE OF THE PROJECT WORK LIMITS THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL INSTALL AN ORANGE SNOW FENCE AROUND THE PERIMETER OF THE WORK LIMITS TO DELINEATE THIS SEPARATION BETWEEN MAINTENANCE RESPONSIBILITY AREAS.



AREA MAP

N.T.S.



SITE MAP

N.T.S.

UTILITY PROVIDERS

ELECTRIC
WASHINGTON ELECTRIC COOPERATIVE, INC.
440 HIGHLAND RIDGE ROAD
PO BOX 800
MARIETTA, OH 45750
PHONE: 740-373-2141

SEWER
CITY OF MARIETTA
PO BOX 774
MARIETTA, OH 45750
PHONE: 740-373-3515

WATER
CITY OF MARIETTA
PO BOX 774
MARIETTA, OH 45750
PHONE: 740-373-3515

GAS
DOMINION ENERGY OHIO
320 SPRINGSIDE DRIVE, SUITE 320
AKRON, OH 44333
PHONE: 330-664-2443

DRAWN BY SAZ/KPD

CHECKED BY I/A/I/A

ISSUE DATE JULY 2, 2021

REVISION		
#	DATE	DESCRIPTION
	2/8/21	SD SUBMISSION
	4/7/21	DD PROGRESS
	4/21/21	DD SUBMISSION
	6/18/21	CD PROGRESS
	7/2/21	CD SUBMISSION



ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229-1547
p 614.898.7100
f 614.898.7570
www.msconsultants.com

CLIENT



**WASHINGTON REST
AREA BUILDING
REPLACEMENT**

PROJECT I-77
Marietta, Ohio 45750
Washington County

PROJECT NO. 64-12A23

SHEET TITLE

SITE NOTES

SHEET

C101

NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW

VERTICAL DATUM

ELEVATIONS ARE ESTABLISHED BY A VRS/GNSS SURVEY WITH THE OHIO DEPARTMENT OF TRANSPORTATION REFERENCE STATION OHWS. THE VERTICAL COMPONENT OF THE VRS NETWORK IS BASED ON NAVD 88 AS DETERMINED BY THE NGS (NATIONAL GEODETIC SURVEY).

PROJECT CONTROL

CONTROL PT. #10	CONTROL PT. #20
NORTH: 530,915.947	NORTH: 530,321.242
EAST: 2,268,194.847	EAST: 2,268,504.317
ELEV.: 780.62'	ELEV.: 813.80'

1/2" x 30" REBAR SET WITH A RED "MS CONS. INC. TRAVERSE" CAP

CONVENTIONAL SYMBOLS

- Tree (Pr) Tree (Ex) Shrub (Ex)
- Tree (Remove) Shrub (Remove)
- Evergreen (Ex) Stump
- Evergreen (Remove) Stump (Remove)
- Wetland (Pr) Grass (Pr) Aerial Target
- Post (Ex) Mailbox (Ex) Mailbox (Pr)
- Light (Ex) Telephone Marker (Ex)
- Fire Hydrant (Ex) Water Meter (Ex)
- Water Valve (Ex) Utility Valve Unknown (Ex.)
- Telephone Pole (Ex) Power Pole (Ex)
- Light Pole (Ex)

TOPOGRAPHIC SURVEY

SITUATED IN THE STATE OF OHIO,
 COUNTY OF WASHINGTON
 TOWNSHIP OF FEARING & MUSKINGUM
 SECTIONS 19, 20, 25 & 26
 TOWNSHIP 3N, RANGE 8 W

I-77 NORTHBOUND REST AREA

UTILITY STATEMENT:

THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES AS SHOWN HEREON. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN APPROXIMATELY PLATTED BASED ON LOCATIONS FROM ACTUAL FIELD SURVEY, AND/OR INFORMATION OBTAINED FROM RECORD PLANS AND MAPS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH DOES STATE THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

FIELD SURVEY BY	BWH
CHECKED BY	CSS
APPROVED BY	
ISSUE DATE	02/05/2021
REVISION	
DATE	DESCRIPTION



ms consultants, inc.
 engineers, architects, planners

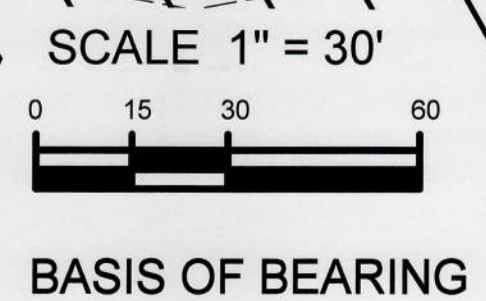
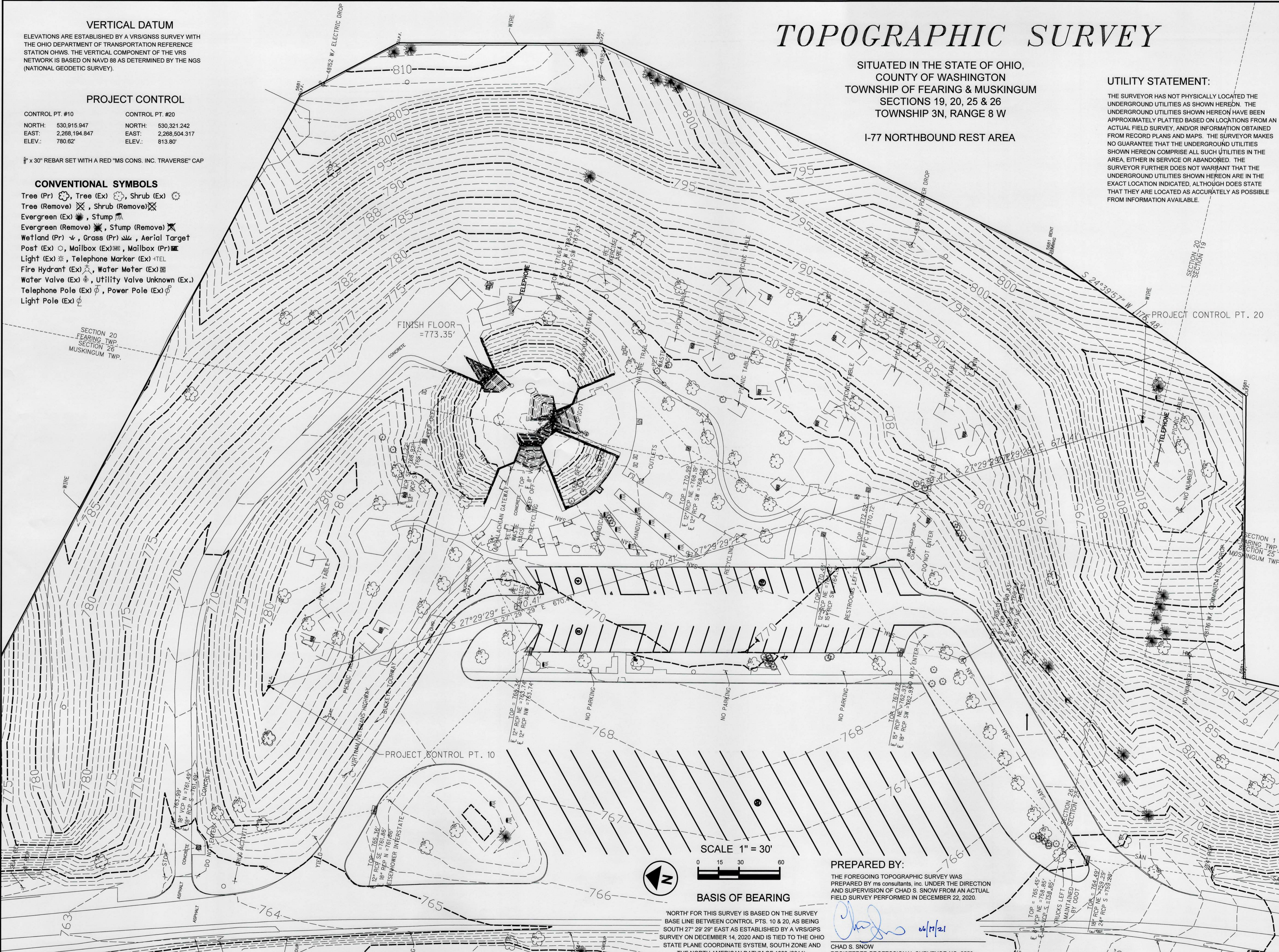
2221 Schrock Road
 Columbus, Ohio 43229-1547
 p 614.898.7100
 f 614.898.7570
 www.msconsultants.com



CLIENT

ODOT REST AREA

I-77
 FEARING & MUSKINGUM TWP.,
 Ohio 45750
 Washington County



PREPARED BY:

THE FOREGOING TOPOGRAPHIC SURVEY WAS PREPARED BY ms consultants, inc. UNDER THE DIRECTION AND SUPERVISION OF CHAD S. SNOW FROM AN ACTUAL FIELD SURVEY PERFORMED IN DECEMBER 22, 2020.

Chad S. Snow 01/17/21

CHAD S. SNOW
 REGISTERED PROFESSIONAL SURVEYOR NO. 8559

'NORTH' FOR THIS SURVEY IS BASED ON THE SURVEY BASE LINE BETWEEN CONTROL PTS. 10 & 20, AS BEING SOUTH 27° 29' 29" EAST AS ESTABLISHED BY A VRS/GPS SURVEY ON DECEMBER 14, 2020 AND IS TIED TO THE OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE AND THE NORTH AMERICAN DATUM OF 1983 (2011).

PROJECT

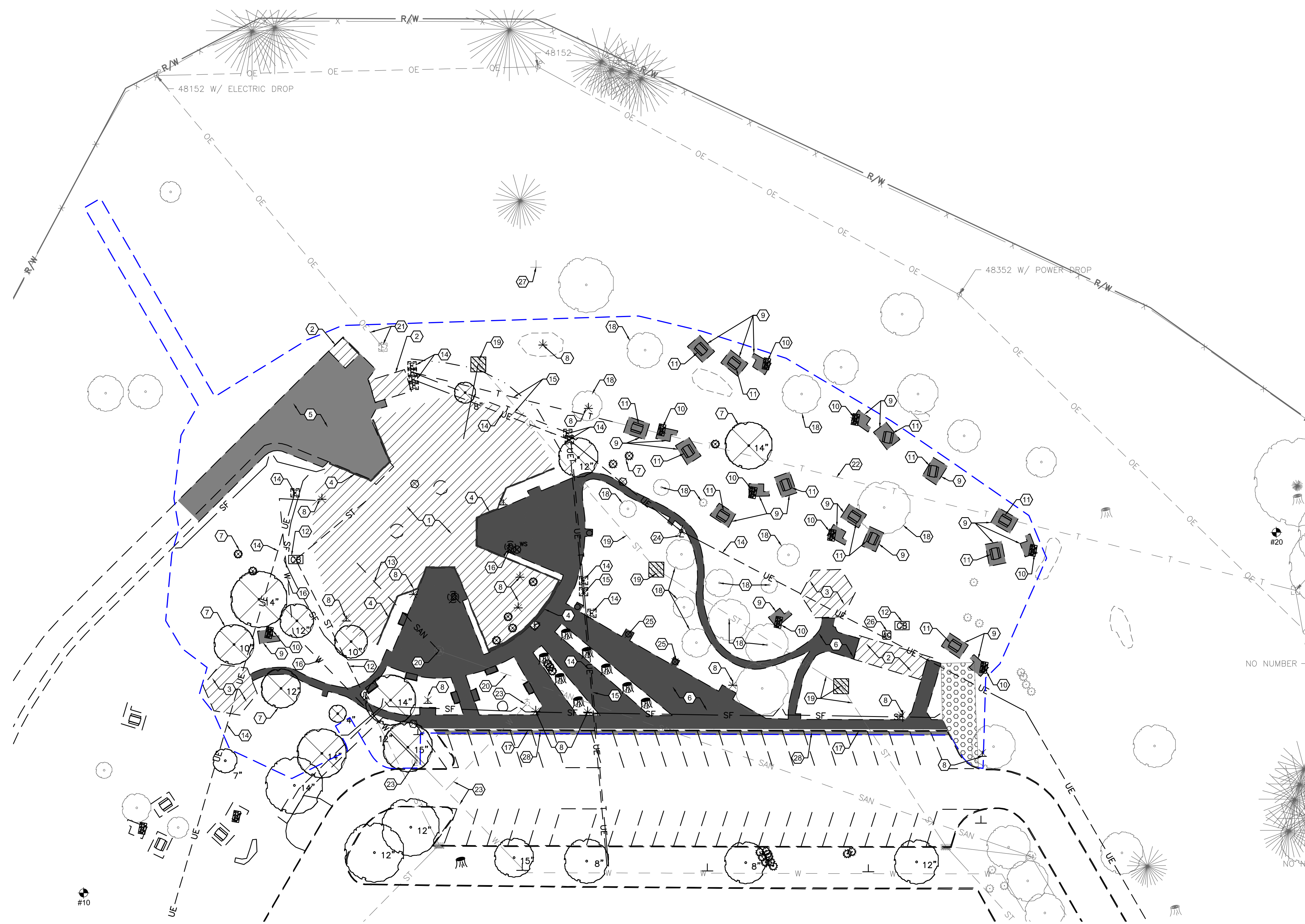
PROJECT NO. 64-12A23-00

SHEET TITLE TOPOGRAPHIC SURVEY

SHEET C200



NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



GENERAL NOTES:

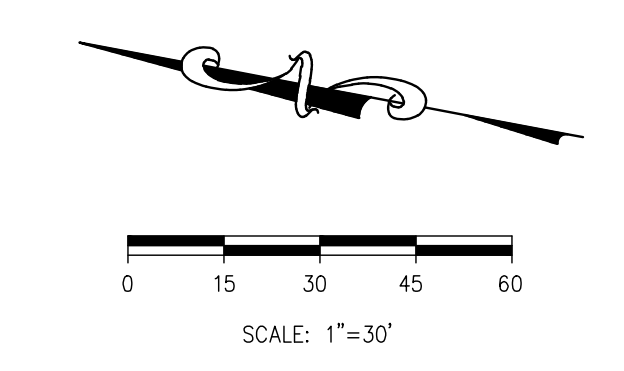
- A. ALL EXISTING UTILITIES, TOPOGRAPHY AND PROPERTY INFORMATION ARE TAKEN FROM A SURVEY OF LAND SITUATED IN THE TOWNSHIPS OF MUSKINGUM AND FEARING, COUNTY OF WASHINGTON, STATE OF OHIO, BY SURVEYOR: ms consultants, inc., 2221 SCHROCK ROAD, COLUMBUS, OHIO 43229.
- B. BY GRAPHICAL PLOTTING ONLY, THIS SITE IS SITUATED IN FEMA FLOOD ZONE X PER FIRM #39167C0254F, EFFECTIVE APRIL 16, 2014.
- C. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION, AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
- D. CONTRACTOR TO REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIALS RESULTING FROM DEMOLITION AND CONSTRUCTION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- E. ALL EXISTING UTILITIES ARE SHOWN HEREIN AS REFERENCE ONLY AND ARE BASED ON RECORD PLANS AND A FIELD SURVEY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS OF ALL UTILITIES PRIOR TO DEMOLITION ACTIVITIES.
- F. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL OR STATE REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- G. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- H. CONTRACTOR SHALL CONFINE ALL STOCKPILING OF DEMOLITION MATERIALS TO WITHIN THE CONTRACT LIMITS.
- I. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO DEMOLITION, SEE SWPPP SHEETS FOR NOTES AND DETAILS.
- J. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SAFEGUARD ITEMS WHICH ARE NOT AFFECTED BY THE SCOPE OF DESIGN/CONSTRUCTION OF THIS PROJECT. ANY AND ALL DAMAGES TO SAID ITEMS SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY. AFFECTED ITEMS SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT THE CONTRACTING AUTHORITY'S DISCRETION AND TO THE CONTRACTING AUTHORITY'S SATISFACTION.
- K. ALL DISTURBED GRASS AREAS, ADJACENT TO OR IN THE CONSTRUCTION ZONE, SHALL BE PROPERLY FILLED WITH TOPSOIL AND COMPACTED AS REQUIRED TO REMOVE ALL RUTS AND/OR SURFACE IRREGULARITIES. UPON COMPLETION OF FINISH GRADING, SOD OR SEED SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
- L. THE CONTRACTOR SHALL REPAIR AND OR REPLACE AREAS OF ROADS OR SIDEWALKS DAMAGED DURING CONSTRUCTION ACTIVITIES AT THE CONTRACTING AUTHORITY'S DISCRETION.
- M. ANY VOIDS LEFT BY DEMOLITION ACTIVITY MUST BE BACKFILLED WITH CONTROLLED FILL TO MEET EXISTING ADJACENT GRADES. THIS INCLUDES, BUT IS NOT LIMITED TO, VOIDS CREATED FROM THE REMOVAL OF BUILDING FOUNDATIONS, RETAINING WALLS, CONCRETE PADS/SIDEWALKS, UTILITIES, AND DRAINAGE STRUCTURES. CONTROLLED FILL SHALL BE PLACED AND COMPACTED PER THE SPECIFICATIONS.
- N. DEMOLITION OF ANY ITEMS OUTSIDE OF THE DELINEATED 'DEMOLITION LIMITS' WILL BE PERFORMED BY OTHERS.
- O. TREE REMOVAL INCLUDES CUTTING, REMOVAL OFF-SITE, AND STUMP GRINDING.
- P. ODOT WILL REMOVE ANY USABLE PRECAST TRASH CANS ACCORDING TO NEED AND CONDITION. ANY REMAINING TRASH CANS AT THE START OF CONSTRUCTION TO BE INCLUDED IN DEMOLITION.
- Q. CONTRACTOR WILL REMOVE ANY REMAINING PICNIC TABLES AND YARD GRILLS AT THE START OF DEMOLITION.

LEGEND

FEATURE	DESCRIPTION
---	SAN - SANITARY SEWER
---	ST - STORM SEWER
---	W - WATER MAIN
---	UE - UNDERGROUND ELECTRIC LINE
---	OE - OVERHEAD ELECTRIC LINE
---	T - COMMUNICATIONS LINE
- R/W	RIGHT-OF-WAY LINE
---	CONSTRUCTION LIMITS
---	FULL-DEPTH SAW CUT LINE
⊠	SANITARY STRUCTURE
⊠	STORM STRUCTURE
⊠	FIRE HYDRANT
⊠	ELECTRICAL STRUCTURE
⊠	LIGHT POLE
⊠	UTILITY POLE
⊠	GUY WIRE
⊠	TREES AND SHRUBBERY
X	FENCE
SF	SILT FENCE
⊠	CONSTRUCTION ENTRANCE
⊠	CONCRETE WASHOUT
⊠	INLET PROTECTION
⊠	REMOVE TREE / GRIND STUMP
X	MISCELLANEOUS DEMOLITION ITEM
⊠	BUILDING DEMOLITION
⊠	CONCRETE PAVEMENT DEMOLITION
⊠	CONCRETE WALK DEMOLITION
⊠	CONCRETE WALL DEMOLITION

KEYED NOTES:

- | | |
|---|--|
| 1) EXISTING REST AREA BUILDING TO BE REMOVED AND DISPOSED OF. | 19) EXISTING STORM SEWER FACILITY TO REMAIN. |
| 2) EXISTING AUXILIARY BUILDING TO BE REMOVED AND DISPOSED OF. | 20) EXISTING SANITARY SEWER FACILITY TO REMAIN. |
| 3) EXISTING PAVILION TO BE REMOVED AND DISPOSED OF. | 21) EXISTING ELECTRICAL FACILITY TO REMAIN. |
| 4) EXISTING RETAINING WALL TO BE REMOVED AND DISPOSED OF. | 22) EXISTING COMMUNICATIONS FACILITY TO REMAIN. |
| 5) EXISTING CONCRETE PAVEMENT TO BE REMOVED AND DISPOSED OF. | 23) EXISTING WATER FACILITY TO REMAIN. |
| 6) EXISTING CONCRETE SIDEWALK TO BE REMOVED AND DISPOSED OF. | 24) EXISTING LIGHT POLE TO BE REMOVED AND DISPOSED OF. |
| 7) EXISTING TREES AND VEGETATION TO BE REMOVED (TYP.). | 25) EXISTING PRECAST CONCRETE TRASH BIN TO BE SALVAGED. COORDINATE WITH ODOT REPRESENTATIVE. |
| 8) EXISTING SIGN TO BE REMOVED AND DISPOSED OF. | 26) EXISTING HVAC STRUCTURE TO BE REMOVED AND DISPOSED OF. |
| 9) EXISTING CONCRETE PAD TO BE REMOVED AND DISPOSED OF. | 27) EXISTING SIGN TO REMAIN. |
| 10) ODOT WILL REMOVE USABLE GRILLS ACCORDING TO NEED AND CONDITION. ANY REMAINING GRILLS AT THE START OF CONSTRUCTION TO BE INCLUDED IN DEMOLITION. | 28) EXISTING ASPHALT PAVEMENT TO BE REMOVED 2.0' FROM FACE OF CURB. SAWCUT EXISTING PAVEMENT FULL DEPTH. BACKFILL EXCAVATED AREA TO THE TOP OF EXISTING SUBBASE WITH ODOT ITEM 304, UP TO 1.5" BELOW FINAL GRADE WITH CONCRETE PAVEMENT. |
| 11) ODOT WILL REMOVE ANY USABLE PICNIC TABLES ACCORDING TO NEED AND CONDITION. ANY REMAINING PICNIC TABLES AT THE START OF CONSTRUCTION TO BE INCLUDED IN DEMOLITION. | |
| 12) EXISTING STORM WATER FACILITY TO BE REMOVED AND DISPOSED OF. | |
| 13) EXISTING SANITARY SEWER FACILITY TO BE REMOVED AND DISPOSED OF. | |
| 14) EXISTING ELECTRICAL FACILITY TO BE REMOVED AND DISPOSED OF. | |
| 15) EXISTING COMMUNICATIONS FACILITY TO BE REMOVED AND DISPOSED OF. | |
| 16) EXISTING WATER FACILITY TO BE REMOVED AND DISPOSED OF. | |
| 17) EXISTING CURB TO BE REMOVED AND DISPOSED OF. | |
| 18) EXISTING TREES AND VEGETATION TO REMAIN (TYP.). | |



DRAWN BY SAZ/KPD

CHECKED BY APPROVED BY IA/IA

ISSUE DATE JULY 2, 2021

REVISION		
#	DATE	DESCRIPTION
2/8/21		SD SUBMISSION
4/7/21		DD PROGRESS
4/21/21		DD SUBMISSION
6/18/21		CD PROGRESS
7/2/21		CD SUBMISSION

ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229-1547
p 614.898.7100
f 614.898.7570
www.msconsultants.com

CLIENT



WASHINGTON REST AREA BUILDING REPLACEMENT

I-77
Marietta, Ohio 45750
Washington County

PROJECT

PROJECT NO. 64-12A23

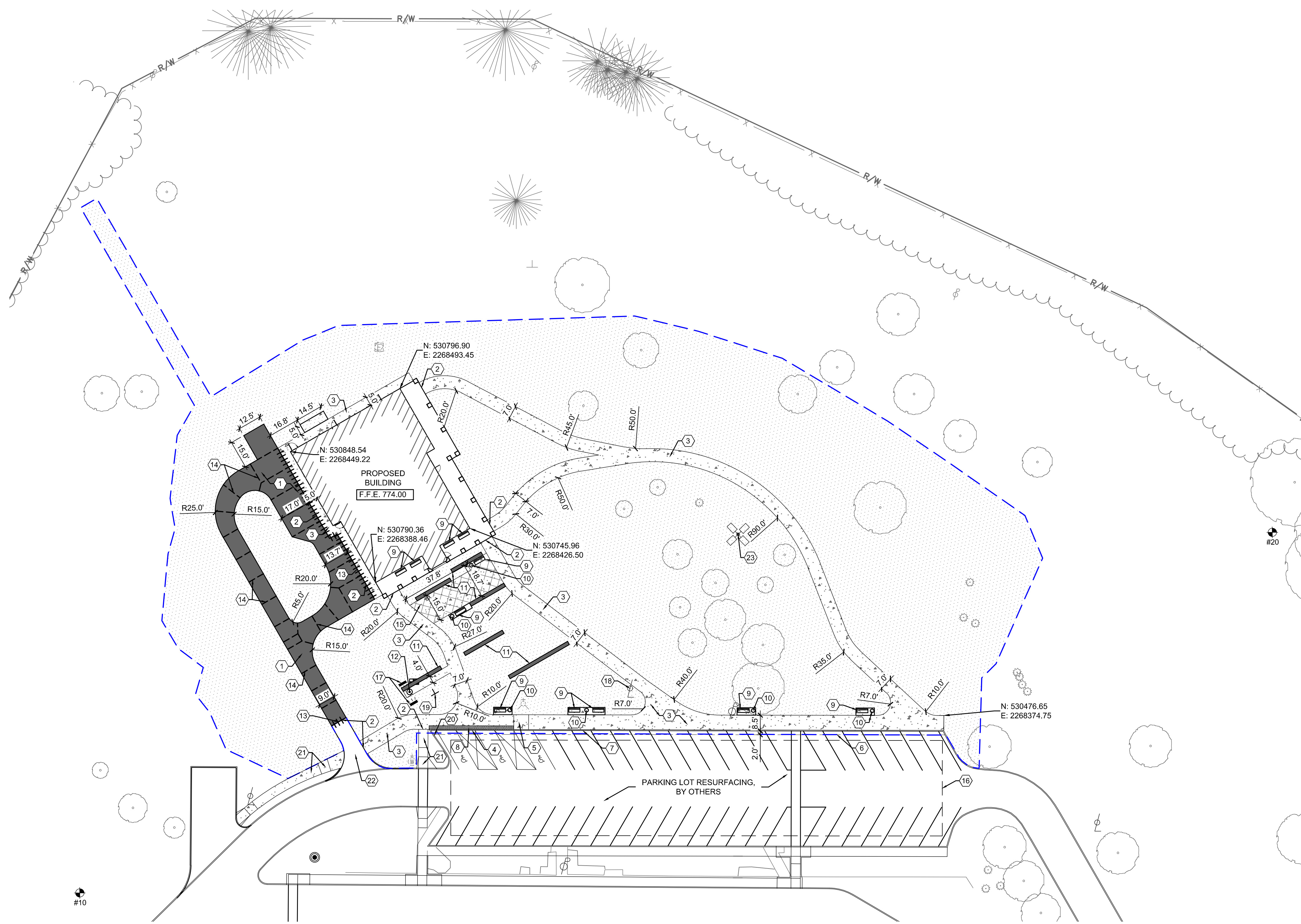
SHEET TITLE

DEMOLITION PLAN

SHEET

C201

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BENCHMARKS:

CONTROL POINT #10	CONTROL POINT #20
ELEV: 780.62	ELEV: 813.80
N: 530915.947	N: 530321.242
E: 2268194.847	E: 2268504.317

SITE DATA

	SQ. FT.	ACRES	PERCENT
TOTAL WORK LIMITS	92,416	2.12	-
BUILDING	5,204	0.12	5.6
PAVEMENT AND WALK	15,440	0.35	16.7
EXISTING PERVIOUS	31,677	0.73	34.3
EXISTING IMPERVIOUS	60,739	1.39	65.7
TOTAL PROPOSED PERVIOUS	71,772	1.65	77.7
TOTAL PROPOSED IMPERVIOUS	20,644	0.47	22.3

LEGEND

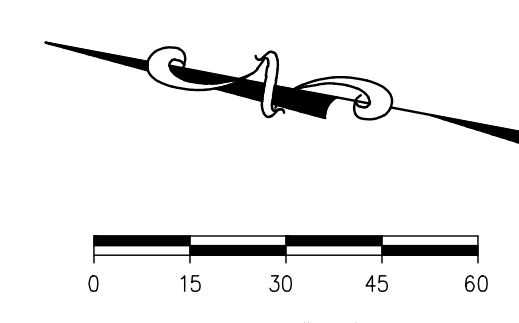
FEATURE	DESCRIPTION
	CONCRETE SIDEWALK
	CONCRETE PAVEMENT
	GRASS/LANDSCAPED AREA
	CONCRETE PLAZA
	CONSTRUCTION LIMITS
	BENCHMARK
	EXISTING
	PROPOSED
	FIRE HYDRANT
	LIGHT POLE
	UTILITY POLE
	TREES AND SHRUBBERY
	FENCE
	EXPANSION JOINT
	CONTRACTION JOINT
	PARK BENCH AND TRASH BIN

GENERAL NOTES:

- A. ALL EXISTING UTILITIES, TOPOGRAPHY AND PROPERTY INFORMATION ARE TAKEN FROM A SURVEY OF LAND SITUATED IN THE TOWNSHIPS OF MUSKINGUM AND FEARING, COUNTY OF WASHINGTON, STATE OF OHIO, BY SURVEYOR: ms consultants, inc., 2221 SCHROCK ROAD, COLUMBUS, OHIO 43229.
- B. BY GRAPHICAL PLOTTING ONLY, THIS SITE IS SITUATED IN FEMA FLOOD ZONE X PER FIRM #39167C0254F, EFFECTIVE APRIL 16, 2014.
- C. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION, AND IS RESPONSIBLE FOR ANY DAMAGE TO THEM DURING CONSTRUCTION.
- D. PROVIDE SMOOTH TRANSITION FROM NEWLY PAVED AREAS TO EXISTING PAVED AREAS. THE EXISTING EDGE OF PAVEMENT SHALL BE FREE OF ALL LOOSE DEBRIS AT ALL AREAS WHERE PROPOSED PAVEMENT MEETS EXISTING PAVEMENT. THE EDGE OF EXISTING ASPHALT PAVEMENT SHALL BE PROPERLY SEALED WITH A TACK COAT MATERIAL IN ALL AREAS WHERE NEW ASPHALT PAVEMENT IS INDICATED TO JOIN EXISTING.
- E. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
- F. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND ADDITIONAL INFORMATION.
- H. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL OR STATE REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- I. ALL EXCAVATED AREAS TO BE SEEDED AND/OR SODDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEWLY SEEDED/SODDED AREAS SHALL HAVE A MINIMUM OF 4" OF TOPSOIL. HOLD SOIL DOWN 1" FROM PAVEMENT ELEVATION. CONTRACTOR TO SUPPLY STRAW MULCH WHERE GRASS SEED HAS BEEN PLANTED.
- J. ALL RADII ARE 5.0 FEET UNLESS OTHERWISE SHOWN. ALL RADII INDICATED ON PLANS SHALL BE CONSTRUCTED AS CIRCULAR ARCS.
- K. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SAFEGUARD ITEMS WHICH ARE NOT AFFECTED BY THE SCOPE OF DESIGN/CONSTRUCTION OF THIS PROJECT. ANY AND ALL DAMAGES TO SAID ITEMS SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY. AFFECTED ITEMS SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT THE CONTRACTING AUTHORITY'S DISCRETION AND TO THE CONTRACTING AUTHORITY'S SATISFACTION.
- L. ALL DISTURBED GRASS AREAS, ADJACENT TO OR IN THE CONSTRUCTION ZONE, SHALL BE PROPERLY FILLED WITH TOPSOIL AND COMPACTED TO REMOVE ALL RUTS AND/OR SURFACE IRREGULARITIES. UPON COMPLETION OF FINISH GRADING, SOD OR SEED SHALL BE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
- M. THE CONTRACTOR SHALL REPAIR AND OR REPLACE AREAS OF ROADS OR SIDEWALKS DAMAGED DURING CONSTRUCTION ACTIVITIES AT THE CONTRACTING AUTHORITY'S DISCRETION.
- N. NORTHINGS AND EASTINGS GIVEN FOR BUILDING CORNERS ARE THE OUTSIDE FACE OF THE EXTERIOR WALL.
- O. CONTRACTOR TO COORDINATE STORAGE AND LAYDOWN AREA LIMITS AND AVAILABILITY WITH THE PARKING LOT CONTRACTOR.

KEYED NOTES:

- 1 PROPOSED CONCRETE PAVEMENT. SEE DETAIL ON SHEET C-501.
- 2 PROPOSED CONCRETE TO BE FLUSH WITH ADJACENT PAVEMENT.
- 3 PROPOSED CONCRETE SIDEWALK. SEE DETAIL ON SHEET C-501.
- 4 PROPOSED FLUSH CURB. SEE DETAIL ON SHEET C-502.
- 5 PROPOSED TYPE B2 PARALLEL CURB RAMP. SEE DETAIL ON SHEET C-501.
- 6 PROPOSED SAWCUT AND REMOVAL OF PAVEMENT (2.0' FROM FACE OF CURB). CONTRACTOR TO BACKFILL VOID WITH ITEM 304 SUBBASE TO THE EXISTING TOP OF SUBBASE AND FILL WITH CONCRETE TO 1.5" BELOW FINAL GRADE. PARKING LOT CONTRACTOR WILL PAVE OVER DURING MILL AND FILL OPERATION.
- 7 PROPOSED TYPE 6 CURB. SEE DETAIL ON SHEET C-502.
- 8 PROPOSED DETECTABLE WARNING SURFACE. SEE DETAIL ON SHEET C-501.
- 9 PROPOSED PARK BENCH. SEE LANDSCAPING PLANS FOR DETAILS.
- 10 PROPOSED TRASH RECEPTACLE. SEE LANDSCAPING PLANS FOR DETAILS.
- 11 PROPOSED STONE PLINTH (TYP.). SEE LANDSCAPING PLANS FOR DETAILS.
- 12 PROPOSED 50' TALL ALUMINUM FLAG POLE. SEE SHEET C-501 AND THE PROJECT SPECIFICATIONS FOR DETAILS.
- 13 DOWELED EXPANSION JOINT REQUIRED, TYPICAL. SEE DETAIL ON SHEET C-501.
- 14 SAWED CONTRACTION JOINT REQUIRED, TYPICAL. SEE DETAIL ON SHEET C-501.
- 15 DECORATIVE SAWCUT CROSSHATCH PATTERN IN CONCRETE SIDEWALK. SEE DETAIL ON SHEET C-501.
- 16 CONTRACTOR TO UTILIZE THE EXISTING PARKING LOT FOR WORK TRAILER, LAYDOWN AREA, AND OTHER TEMPORARY FACILITIES (DUMPSTER, PORTABLE TOILETS ETC.). USE OF THE AREA MUST BE COORDINATED WITH THE ODOT PARKING LOT CONTRACTOR.
- 17 PROPOSED GROUND-MOUNTED SITE LIGHT. SEE ELECTRICAL PLANS FOR DETAILS.
- 18 SITE LIGHT, BY OTHERS.
- 19 PROPOSED I-77 VIETNAM VETERANS OF AMERICA HIGHWAY SIGN. CONTRACTOR TO MATCH THE DIMENSIONS AND STYLE OF THE EXISTING SIGN ON-SITE, WHICH IS TO BE REMOVED. SEE DETAIL ON SHEET C-501.
- 20 RECONSTRUCT 6.0' OF EXISTING CURB TO TAPER FROM FULL HEIGHT 6" CURB TO 0" FLUSH CURB.
- 21 PROPOSED RAMP AND SIDEWALK, BY OTHERS.
- 22 PROPOSED CONCRETE DRIVE APRON, BY OTHERS.
- 23 PROPOSED SITE LIGHT. SEE ELECTRICAL PLANS FOR DETAILS.



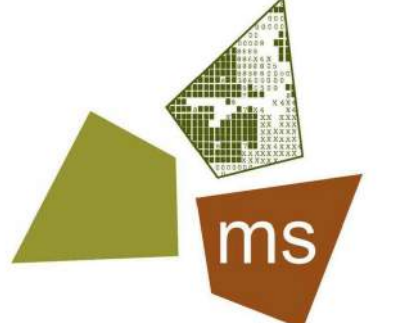
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7/2/21		CD SUBMISSION



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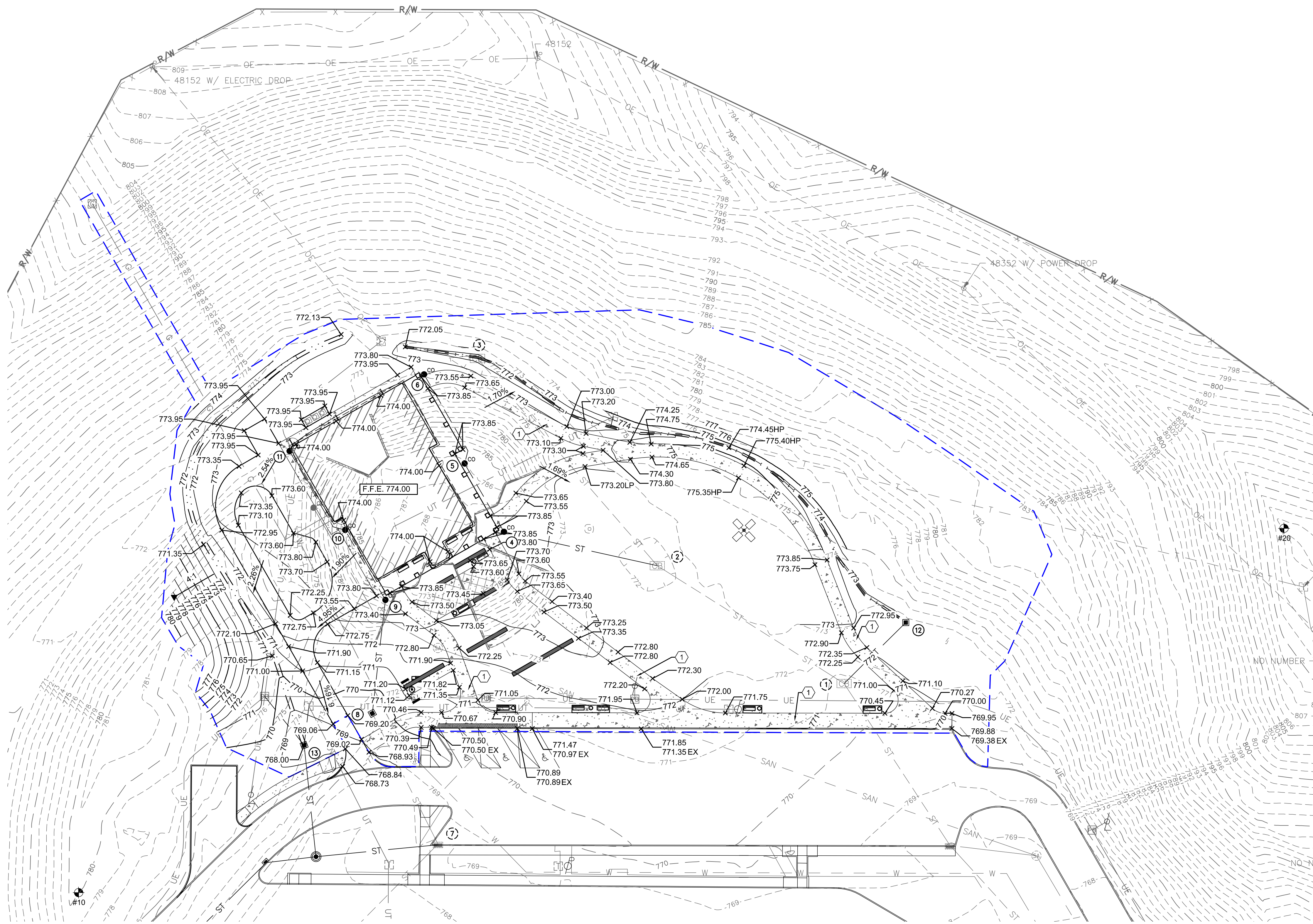
WASHINGTON REST AREA BUILDING REPLACEMENT
 PROJECT NO. 64-12A23
 SHEET TITLE LAYOUT AND MATERIALS PLAN
 SHEET C202
 I-77 Marietta, Ohio 45750 Washington County

PROJECT NO. 64-12A23

SHEET TITLE LAYOUT AND MATERIALS PLAN

SHEET C202

NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



GENERAL NOTES:

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- B. ALL CONSTRUCTION METHODS AND MATERIAL MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL OR STATE REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- C. ALL PROPOSED SPOT ELEVATIONS SHOWN ARE TOP OF CURB AND FINAL GRADE ELEVATIONS UNLESS OTHERWISE NOTED.
- D. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- E. CONTRACTOR TO VERIFY ALL EXISTING GRADES AND CONTACT ENGINEER PRIOR TO BEGINNING WORK IF DISCREPANCY IS FOUND.
- F. THE CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES SO AS TO NOT CAUSE DAMAGE.
- G. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE CONTRACTOR. WHEN EXCAVATION IS AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
- H. ALL WORK SHALL BE PERFORMED FROM STATE-OWNED PROPERTY.
- I. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES DURING CONSTRUCTION AND ALL DAMAGE SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY.
- J. ALL EXCAVATED AREAS TO BE SEEDED AND/OR SODDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEWLY SEEDED/SODDED AREAS SHALL HAVE A MINIMUM OF 4" OF TOPSOIL HOLD SOIL DOWN 11" FROM PAVEMENT ELEVATION. CONTRACTOR TO SUPPLY STRAW MULCH WHERE GRASS SEED HAS BEEN PLANTED.
- K. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL MODIFICATIONS TO EXISTING PIPING REQUIRED TO ACCOMMODATE NEW PIPING, STRUCTURES OR OTHER RELATED CONSTRUCTION ISSUES.
- L. PIPING INDICATED ON PLAN IS SCHEMATIC IN NATURE. NEW PIPING INDICATED MAY REQUIRE SHIFTING TO AVOID CONFLICT WITH EXISTING PIPING, UTILITIES, AND OR SITE FEATURES. FITTINGS ARE NOT SHOWN. THE CONTRACTOR SHALL PROVIDE ALL FITTINGS REQUIRED (INCLUDING FITTINGS REQUIRED TO TRANSITION OVER NEW AND EXISTING PIPING).
- M. ROOF DRAINS ARE TO BE CONNECTED TO THE ROOF DRAIN COLLECTOR PIPE, NOT THE PERFORATED FOOTER DRAIN. BOTH DRAIN PIPES ARE TO BE CONNECTED TO THE STORM SEWER SYSTEM, BUT SHALL NOT BE INTERCONNECTED.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
X 780.50 EX.	X 780.50	TOP OF CURB
X 780.00 EX.	X 780.00	TOP OF PAVEMENT
X 780.00 EX.	X 780.00	FINISHED GRADE SPOT ELEVATION
	0.50%	GRADE SLOPE
---	---	ST --- ST
	---	STORM MAIN
	---	ROOF DRAIN COLLECTOR PIPE
	---	CONSTRUCTION LIMITS
---	---	780 --- 780
		MAJOR CONTOUR LINES
---	---	781 --- 781
		MINOR CONTOUR LINES
---	---	---
		DITCH CENTERLINE
■	■	CATCH BASIN
●	●	STORM STRUCTURE
+	+	BENCHMARK

KEYED NOTES:

- ① CONTRACTOR TO MAINTAIN 2.00% MAX CROSS SLOPE ON SIDEWALK.

SPECIFICATIONS:

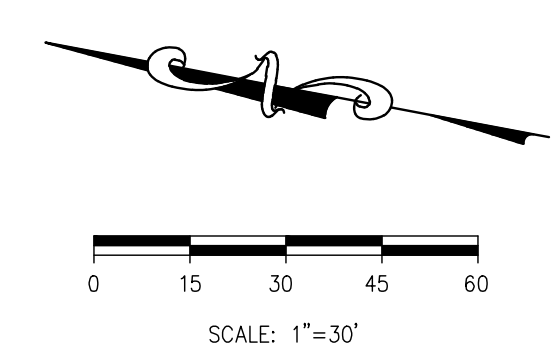
- 1. ALL STORM SEWER PIPING UNDER PAVEMENT, INCLUDING THE ROOF DRAIN COLLECTOR PIPES, SHALL BE ODOT TYPE B CONDUIT WITH SMOOTH INTERIOR WALL PIPE.
- 2. ALL STORM SEWER PIPING OUTSIDE OF PAVEMENT SHALL BE ODOT TYPE C CONDUIT WITH SMOOTH INTERIOR WALL PIPE.

STORM STRUCTURE DATA

STORM STRUCTURE IDENTIFICATION LABELS SHOWN FOR INFORMATION ONLY. FOR ELEVATION AND INVERT DATA, SEE SHEET C-203A.

BENCHMARKS:

CONTROL POINT #10 ELEV: 780.62 N: 530915.947 E: 2268194.847	CONTROL POINT #20 ELEV: 813.80 N: 530321.242 E: 2268504.317
--	--



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**WASHINGTON REST
 AREA BUILDING
 REPLACEMENT**

I-77
 Marietta, Ohio 45750
 Washington County

PROJECT

PROJECT NO. 64-12A23

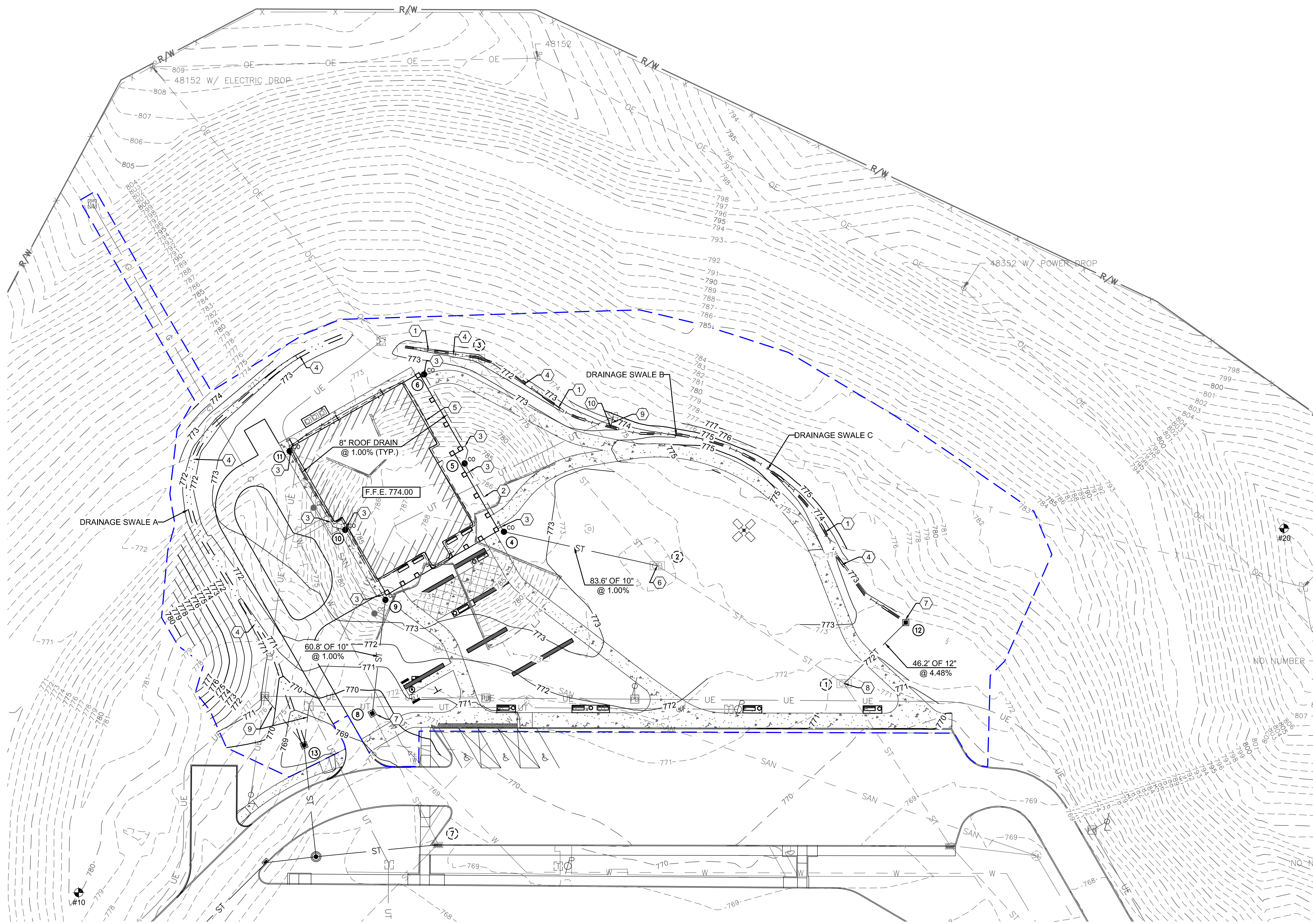
SHEET TITLE

GRADING PLAN

SHEET

C203

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- E. CONTRACTOR TO VERIFY ALL EXISTING GRADES AND CONTACT ENGINEER PRIOR TO BEGINNING WORK IF DISCREPANCY IS FOUND.
- F. THE CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES SO AS TO NOT CAUSE DAMAGE.
- G. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE CONTRACTOR. WHEN EXCAVATION IS AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
- H. ALL WORK SHALL BE PERFORMED FROM STATE-OWNED PROPERTY.
- I. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES DURING CONSTRUCTION AND ALL DAMAGE SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY.
- J. ALL EXCAVATED AREAS TO BE SEEDED AND/OR SODDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEWLY SEEDED/SODDED AREAS SHALL HAVE A MINIMUM OF 4" OF TOPSOIL. HOLD SOIL DOWN 1" FROM PAVEMENT ELEVATION. CONTRACTOR TO SUPPLY STRAW MULCH WHERE GRASS SEED HAS BEEN PLANTED.
- K. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL MODIFICATIONS TO EXISTING PIPING REQUIRED TO ACCOMMODATE NEW PIPING, STRUCTURES OR OTHER RELATED CONSTRUCTION ISSUES.
- L. PIPING INDICATED ON PLAN IS SCHEMATIC IN NATURE. NEW PIPING INDICATED MAY REQUIRE SHIFTING TO AVOID CONFLICT WITH EXISTING PIPING, UTILITIES, AND OR SITE FEATURES. FITTINGS ARE NOT SHOWN. THE CONTRACTOR SHALL PROVIDE ALL FITTINGS REQUIRED (INCLUDING FITTINGS REQUIRED TO TRANSITION OVER NEW AND EXISTING PIPING).
- M. ROOF DRAINS ARE TO BE CONNECTED TO THE ROOF DRAIN COLLECTOR PIPE, NOT THE PERFORATED FOOTER DRAIN. BOTH DRAIN PIPES ARE TO BE CONNECTED TO THE STORM SEWER SYSTEM, BUT SHALL NOT BE INTERCONNECTED.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
--- ST ---	--- ST ---	STORM MAIN
---	---	ROOF DRAIN COLLECTOR PIPE
---	---	CONSTRUCTION LIMITS
---	---	MAJOR CONTOUR LINES
---	---	MINOR CONTOUR LINES
---	---	DITCH CENTERLINE
■	■	CATCH BASIN
●	●	STORM STRUCTURE
+	+	BENCHMARK

KEYED NOTES:

- ① PROPOSED 6" UNDERDRAIN BELOW CHANNEL. SEE CHANNEL DETAIL ON SHEET C-502. OUTLET TO EXISTING CATCH BASIN, CORE INTO STRUCTURE.
- ② CONTRACTOR TO MAINTAIN A MINIMUM SLOPE OF 0.50% ON ALL ROOF DRAIN PIPES. CONTRACTOR TO MAINTAIN 24" COVER OVER STORM LINES.
- ③ CONNECT ROOF DRAINS TO 8" ROOF DRAIN COLLECTOR PIPE.
- ④ PROPOSED DRAINAGE SWALE CENTERLINE. SEE DETAIL ON SHEET C-502.
- ⑤ PROPOSED 8" PERFORATED PVC PERIMETER FOOTER DRAIN, MIN. 1.0% SLOPE. SEE ARCHITECTURAL PLANS FOR DETAILS. OUTLET INTO STORM SEWER SYSTEM AT NEAREST POINT OF CONNECTION.
- ⑥ CONNECT PROPOSED ROOF DRAIN COLLECTOR PIPE TO EXISTING CATCH BASIN. CORE INTO STRUCTURE. SEE DETAIL ON SHEET C-502.
- ⑦ PROPOSED CATCH BASIN. SEE DETAIL ON SHEET C-502.
- ⑧ CONNECT PROPOSED STORM PIPE TO EXISTING CATCH BASIN. CORE INTO STRUCTURE. SEE DETAIL ON SHEET C-502.
- ⑨ PROPOSED 6" PIPE TO DRAIN UTILITY PULL BOX, MIN. 1.0% SLOPE.
- ⑩ PROPOSED 6"x6" TEE.

SPECIFICATIONS:

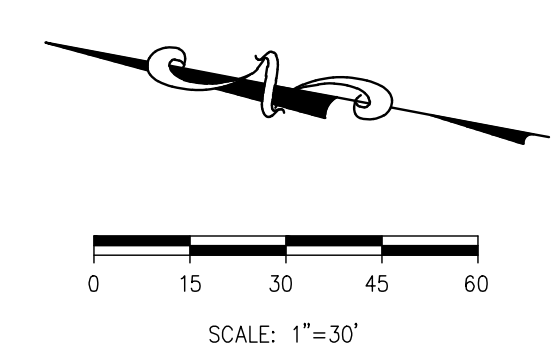
- 1. ALL STORM SEWER PIPING UNDER PAVEMENT, INCLUDING THE ROOF DRAIN COLLECTOR PIPES, SHALL BE ODOT TYPE B CONDUIT WITH SMOOTH INTERIOR WALL PIPE.
- 2. ALL STORM SEWER PIPING OUTSIDE OF PAVEMENT SHALL BE ODOT TYPE C CONDUIT WITH SMOOTH INTERIOR WALL PIPE.

BENCHMARKS:

CONTROL POINT #10 ELEV: 780.62 N: 530915.947 E: 2268194.847	CONTROL POINT #20 ELEV: 813.80 N: 530321.242 E: 2268504.317
---	---

STORM STRUCTURE DATA

- | | |
|--|--|
| ① EXISTING CATCH BASIN
TC: 770.43
EX: 12" INV (NE) = 764.23
EX: 15" INV (SW) = 764.13
PR: 12" INV (E) = 764.50 | ⑧ PROPOSED CATCH BASIN
TC: 769.00
EX: 12" INV (SW) = 764.63
PR: 10" INV (E) = 765.00 |
| ② EXISTING CATCH BASIN
TC: 770.99
EX: 12" INV (NE) = 768.19
EX: 12" INV (SW) = 768.09 | ⑨ PROPOSED CLEANOUT
TC: 773.95
PR: 8" INV (NE) = 769.52
PR: 10" INV (SW) = 765.61 |
| ③ EXISTING CATCH BASIN
TC: 771.63
EX: 12" INV (SW) = 767.53
PR: 10" INV (NW) = 769.20 | ⑩ PROPOSED CLEANOUT
TC: 773.98
PR: 8" INV (SW,N) = 769.95 |
| ④ PROPOSED CLEANOUT
TC: 773.85
PR: 8" INV (S) = 769.37
PR: 10" INV (NE) = 769.20 | ⑪ PROPOSED CLEANOUT
TC: 773.98
PR: 8" INV (SW) = 770.48 |
| ⑤ PROPOSED CLEANOUT
TC: 773.85
PR: 8" INV (E,SW) = 769.79 | ⑫ PROPOSED CATCH BASIN
TC: 772.50
PR: 12" INV (NW) = 768.50 |
| ⑥ PROPOSED CLEANOUT
TC: 773.85
PR: 8" INV (SW) = 770.33 | ⑬ PROPOSED CATCH BASIN, BY OTHERS
TC: 768.00
PR: 15" INV (SE) = 763.75 (BY OTHERS)
PR: 6" INV (E) = 766.00 (FOR PULL BOXES) |
| ⑦ EXISTING CATCH BASIN
TC: 768.34
EX: 12" INV (NE) = 763.74
EX: 12" INV (NW) = 763.74 | |



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**WASHINGTON REST
AREA BUILDING
REPLACEMENT**

PROJECT

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Marietta, Ohio 45750
Washington County

PROJECT NO. 64-12A23

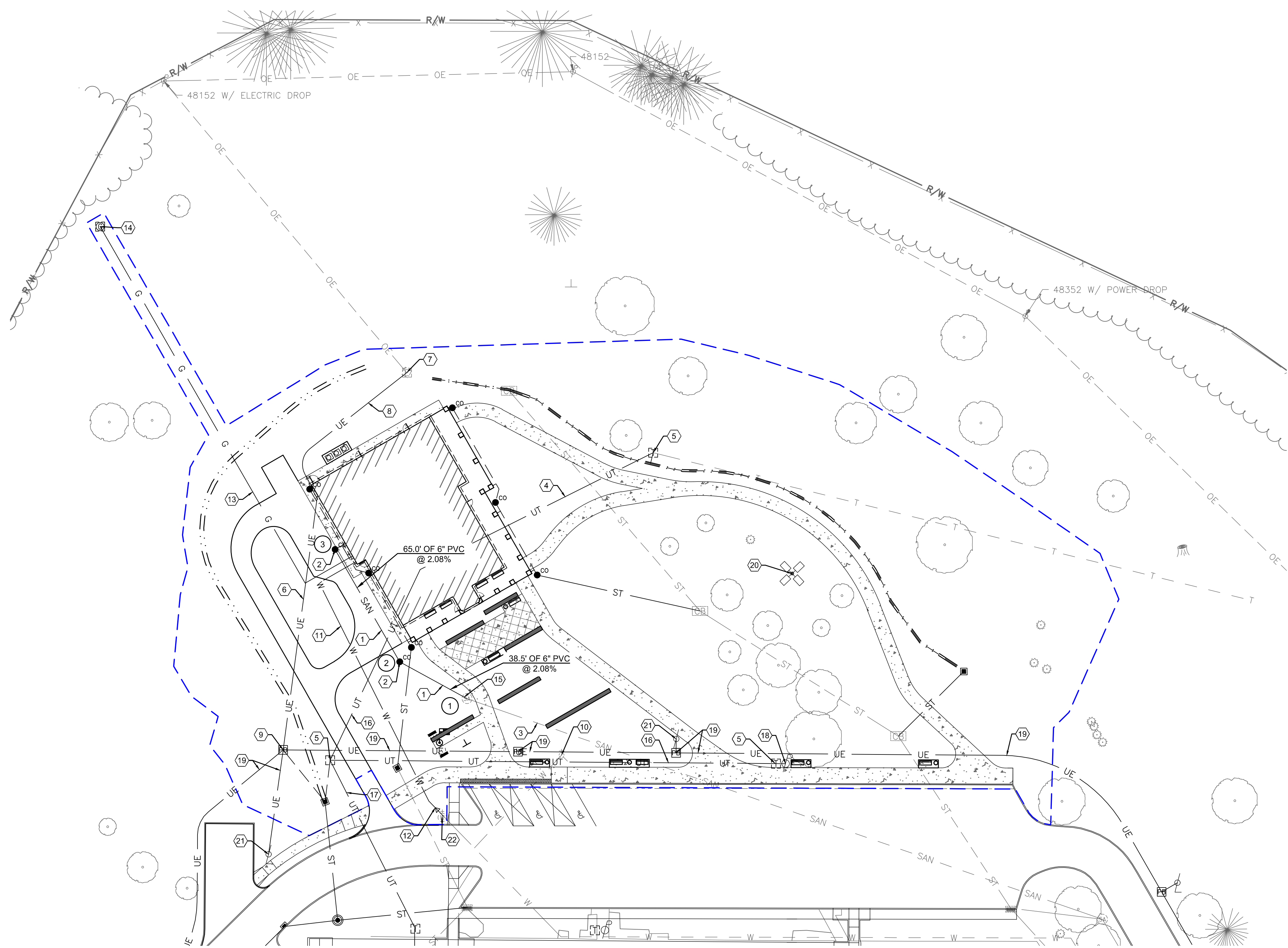
SHEET TITLE

DRAINAGE PLAN

SHEET

C203A

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- C. ALL EXISTING UTILITIES, ARE TAKEN FROM SURVEY AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND UTILITIES ADJACENT TO OR UPON PREMISES SHOWN ON PLAN.
- D. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. PROPOSED UTILITIES SHOULD TIE INTO EXISTING UTILITIES AT A POINT INDICATED ON PLAN.
- E. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE CONTRACTOR. WHEN EXCAVATION IS AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
- F. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES DURING CONSTRUCTION AND ALL DAMAGE SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY OR UTILITY OWNER.
- G. THE CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES SO AS TO NOT CAUSE DAMAGE.
- H. STORM SEWER SHOWN HERE FOR REFERENCE ONLY. SEE SHEET C-203A FOR DETAILED DESIGN.
- I. CONTRACTOR TO VERIFY ELEVATIONS OF EXISTING SANITARY SEWER PRIOR TO CONSTRUCTION AND NOTIFY CONTRACTING AUTHORITY AND ARCHITECT OF ANY DISCREPANCIES 3 DAYS PRIOR TO CONSTRUCTION.
- J. CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF 4' OVER PROPOSED WATER SERVICE.
- K. THERE SHALL BE A MINIMUM TEN-FOOT HORIZONTAL SEPARATION BETWEEN WATER TAPS, WATER SERVICES, PRIVATE WATER SYSTEMS, AND ANY SANITARY AND/OR STORM SEWER SYSTEMS. WHERE 10-FOOT HORIZONTAL SEPARATION CANNOT BE OBTAINED, THE BOTTOM OF THE WATER LINE SHALL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
- L. SEE PLUMBING PLANS FOR CONTINUATION OF UTILITY LINES INTO BUILDING.
- M. CONTRACTOR SHALL INSTALL AND BACKFILL ALL UTILITY PIPES, CONDUITS, STRUCTURES, AND TRENCHES PER DETAILS ON SHEET C-502.

LEGEND

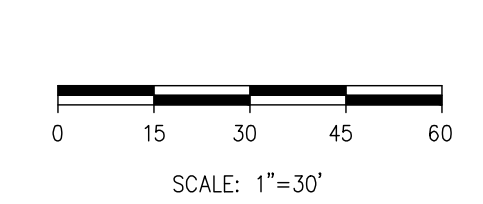
EXISTING	PROPOSED	DESCRIPTION
---	---	CONSTRUCTION LIMITS
---	---	GAS LINE
---	---	STORM LINE
---	---	ROOF DRAIN COLLECTOR PIPE
---	---	SANITARY LINE
⊙	⊙	SANITARY CLEANOUT
⊙	⊙	SANITARY MANHOLE
---	---	WATER LINE
⊙	⊙	FIRE HYDRANT
---	---	UNDERGROUND ELECTRIC LINE
---	---	OVERHEAD ELECTRIC LINE
⊙	⊙	ELECTRIC METER
⊙	⊙	ELECTRIC TRANSFORMER
---	---	UNDERGROUND TELECOMMUNICATIONS LINE
⊙	⊙	LIGHT POLE
⊙	⊙	UTILITY POLE

KEYED NOTES:

- 1 PROPOSED 6" P.V.C. SANITARY SEWER. ASTM F-794, SDR-35. SEWER TO HAVE MINIMUM SLOPE OF 2.08%.
- 2 PROPOSED SANITARY CLEANOUT (TYP.). SEE DETAIL ON SHEET C-502.
- 3 EXISTING 8" SANITARY SEWER MAIN.
- 4 PROPOSED UNDERGROUND TELEPHONE/DATA SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY OWNER. SEE ELECTRICAL SITE PLAN FOR ROUTING AND DETAILS.
- 5 PROPOSED TELEPHONE/DATA SERVICE PULL BOX. CONTRACTOR TO COORDINATE LOCATION AND CONNECTION TO EXISTING AND PROPOSED FACILITIES WITH UTILITY OWNER.
- 6 PROPOSED ELECTRICAL SERVICE. CONTRACTOR TO COORDINATE CONDUIT SIZE, NUMBER OF CONDUITS, CONNECTIONS, AND BEND RADII WITH UTILITY OWNER AND MEP PLANS. SEE ELECTRICAL SITE PLAN FOR ROUTING AND DETAILS.
- 7 EXISTING TRANSFORMER TO REMAIN. CONTRACTOR TO COORDINATE NEW SERVICE LINE CONNECTION WITH UTILITY OWNER. SEE ELECTRICAL SITE PLAN FOR ROUTING AND DETAILS.
- 8 PROPOSED SECONDARY ELECTRICAL SERVICE. CONTRACTOR TO COORDINATE CONDUIT SIZE, NUMBER OF CONDUITS, CONNECTIONS, AND BEND RADII WITH UTILITY OWNER AND MEP PLANS. SEE ELECTRICAL SITE PLAN FOR ROUTING AND DETAILS.
- 9 PROPOSED ELECTRICAL PULL BOX. SEE ELECTRICAL SITE PLANS FOR EXACT LOCATION AND DETAILS.
- 10 EXISTING FIRE HYDRANT TO REMAIN.
- 11 PROPOSED 2.5" TYPE K COPPER DOMESTIC SERVICE LINE. INCLUDE IN BASE BID ALL VALVES, PIPING, STRUCTURES, ETC. THAT WILL BE REQUIRED.
- 12 PROPOSED 6"x2.5" REDUCER, CONNECT TO EXISTING WATER LINE JUST AFTER 6" VALVE LOCATION. CONTRACTOR TO COORDINATE LOCATION AND CONNECTION WITH UTILITY OWNER.
- 13 PROPOSED 1 1/4" SDR-11 GAS SERVICE LINE. CONTRACTOR TO COORDINATE LOCATION AND CONNECTION WITH UTILITY OWNER.
- 14 PROPOSED GAS METER LOCATION. CONTRACTOR TO COORDINATE LOCATION AND CONNECTION TO MAINLINE EXTENSION WITH UTILITY OWNER.
- 15 CONNECT PROPOSED SANITARY LATERAL TO EXISTING MANHOLE. CORE INTO STRUCTURE. SEE DETAIL ON SHEET C-502.
- 16 PROPOSED CONDUIT FOR VIDEO SURVEILLANCE SYSTEM. SEE ELECTRICAL SITE PLAN FOR ROUTING AND DETAILS.
- 17 PROPOSED CONDUIT FOR VIDEO SURVEILLANCE SYSTEM, BY OTHERS.
- 18 PROPOSED POLE FOR VIDEO SURVEILLANCE SYSTEM, BY OTHERS.
- 19 PROPOSED ELECTRICAL CONDUIT AND PULL BOXES FOR SITE LIGHTING, BY OTHERS.
- 20 PROPOSED HIGH MAST LIGHT POLE. SEE ELECTRICAL PLANS FOR DETAILS.
- 21 PROPOSED LIGHT POLE, BY OTHERS.
- 22 ADJUST EXISTING WATER VALVE TO GRADE.

SANITARY STRUCTURE DATA

- 1 EXISTING MANHOLE
TC: 772.40 (ADJUSTED; EX. TC: 772.78)
PR. 6" INV (N) = 767.29
EX. 8" VCP INV (S) = 765.48
- 2 PROPOSED CLEANOUT
TC: 773.90
PR. 6" INV (NE) = 768.09
PR. 6" INV (S) = 768.09
- 3 PROPOSED CLEANOUT
TC: 773.94
PR. 6" INV (SW) = 769.44
PR. 6" INV (SE) = 771.28



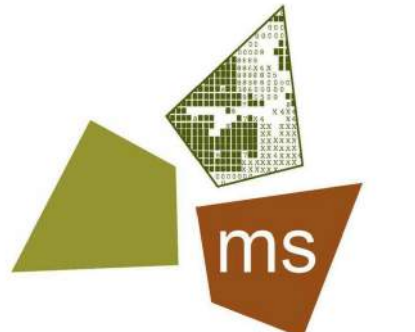
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2/8/21		SD SUBMISSION
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WASHINGTON REST AREA BUILDING REPLACEMENT
 I-77 Marietta, Ohio 45750 Washington County

PROJECT

PROJECT NO. 64-12A23

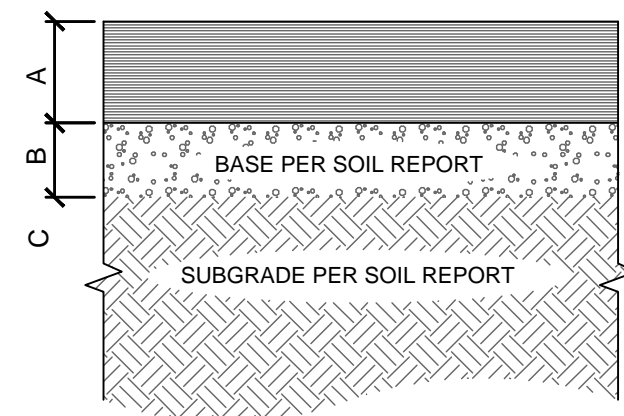
SHEET TITLE

UTILITY PLAN

SHEET

C204

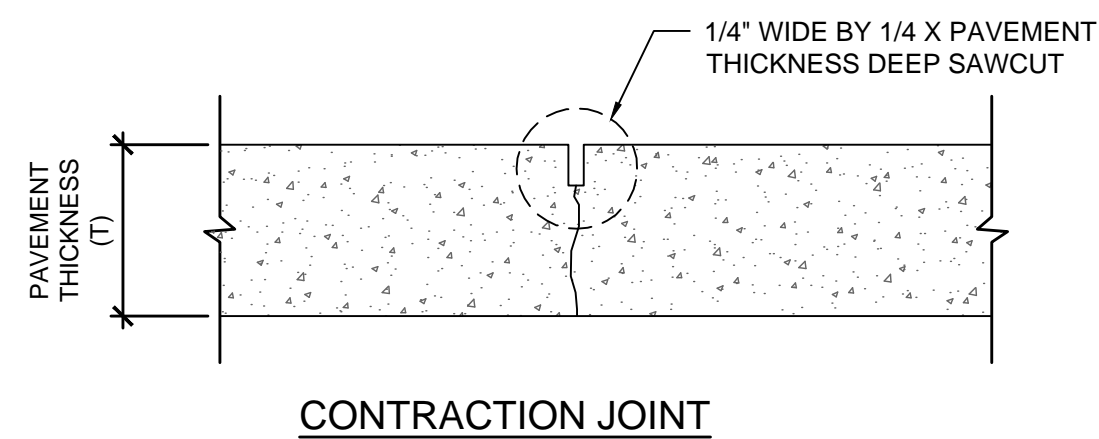
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A = 8.0" CONCRETE PAVEMENT (ODOT ITEM 608)
 B = 6.0" OF AGGREGATE BASE (ODOT ITEM 304)
 C = SUBGRADE COMPACTION (ODOT ITEM 204)

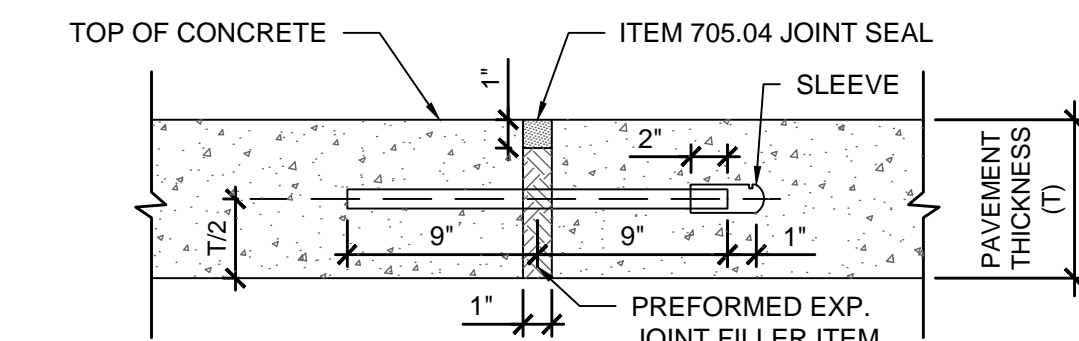
- NOTES:
 A. SUBGRADE COMPACTION: CBR= 3
 B. BASE COURSE TO CONFORM TO ODOT STANDARDS FOR BASE COURSE COMPACTION TO 100% OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY
 C. ALL SUBGRADE AND PAVEMENT OPERATIONS AND MATERIALS SHALL MEET THE MINIMUM REQUIREMENTS OF THE CURRENT ODOT SPECIFICATIONS

A CONCRETE PAVEMENT DETAIL
 C501/N.T.S.

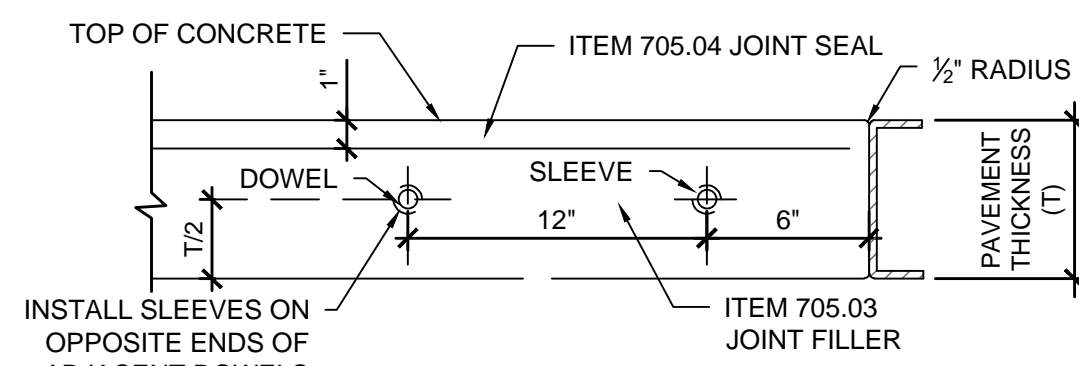


CONTRACTION JOINT

- NOTES:
 A. NOTES AND DETAILS SHOWN ON THIS DETAIL SHALL BE CONSIDERED IN CONJUNCTION WITH AND SUPPLEMENTAL TO THE PERTINENT SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE PAVEMENT AND BASES, AND RELATED INCIDENTALS.
 B. CONTRACTION JOINTS SHALL BE SPACED AT A MAXIMUM OF 15' IN ITEM 452 NON-REINFORCED CONCRETE PAVEMENT.
 C. REFER TO ODOT ITEM 451.09 FOR DOWEL SPECIFICATIONS.



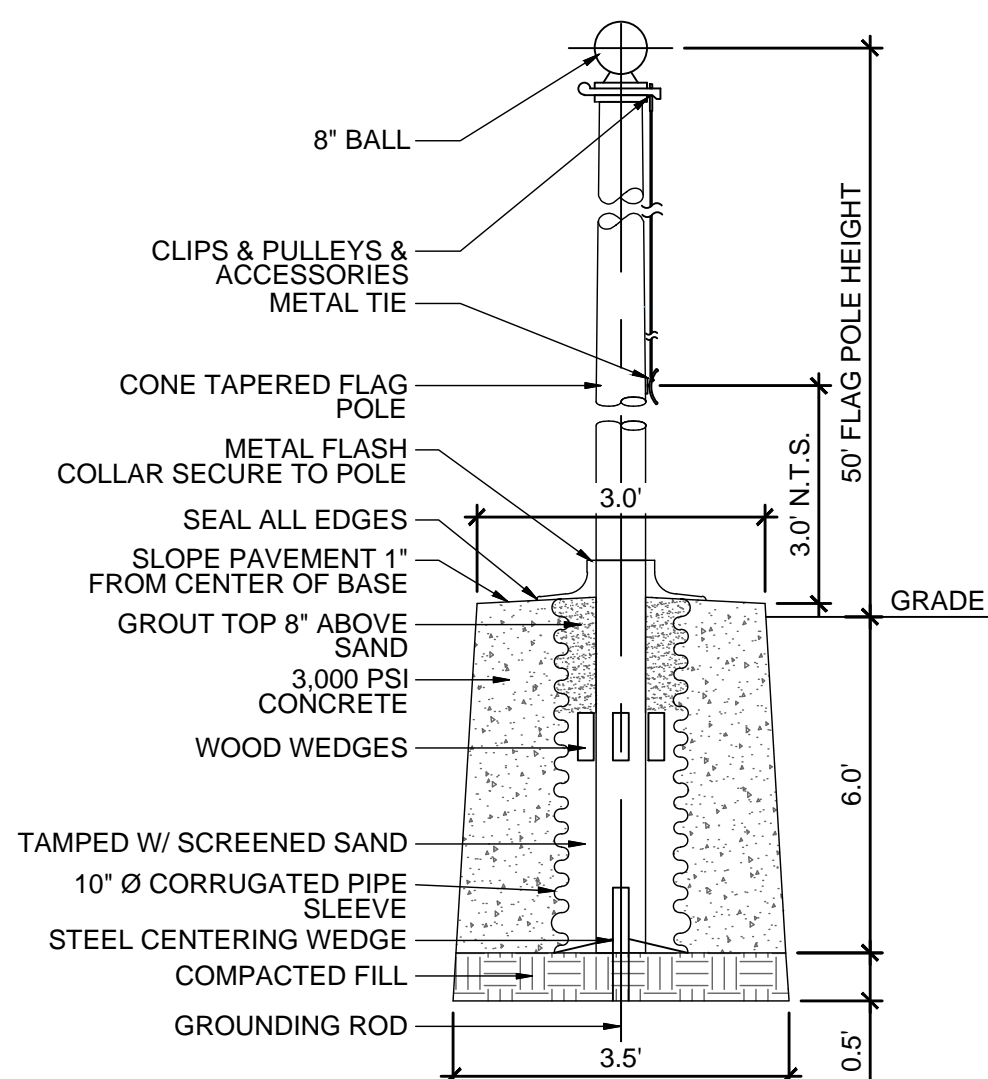
SECTION THROUGH EXP. JOINT



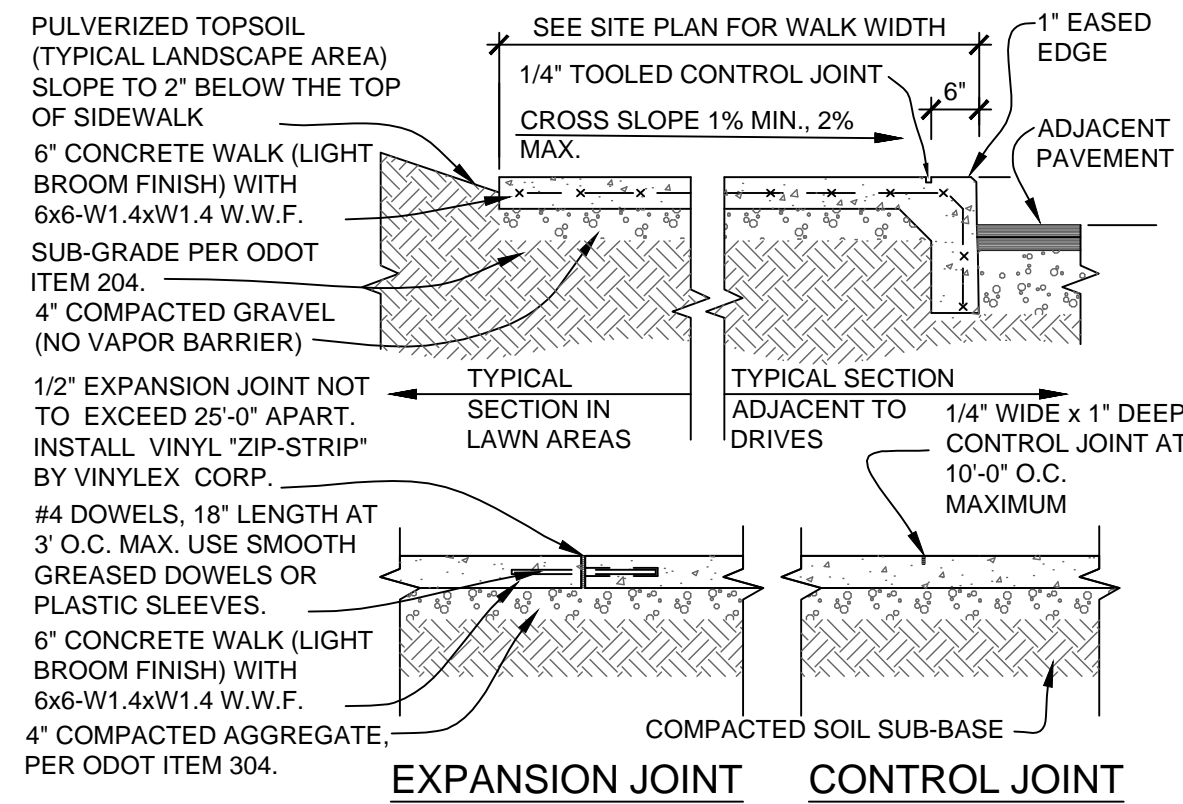
SIDE ELEVATION OF EXP. JOINT

EXPANSION JOINT

D CONCRETE JOINT DETAILS
 C501/N.T.S.

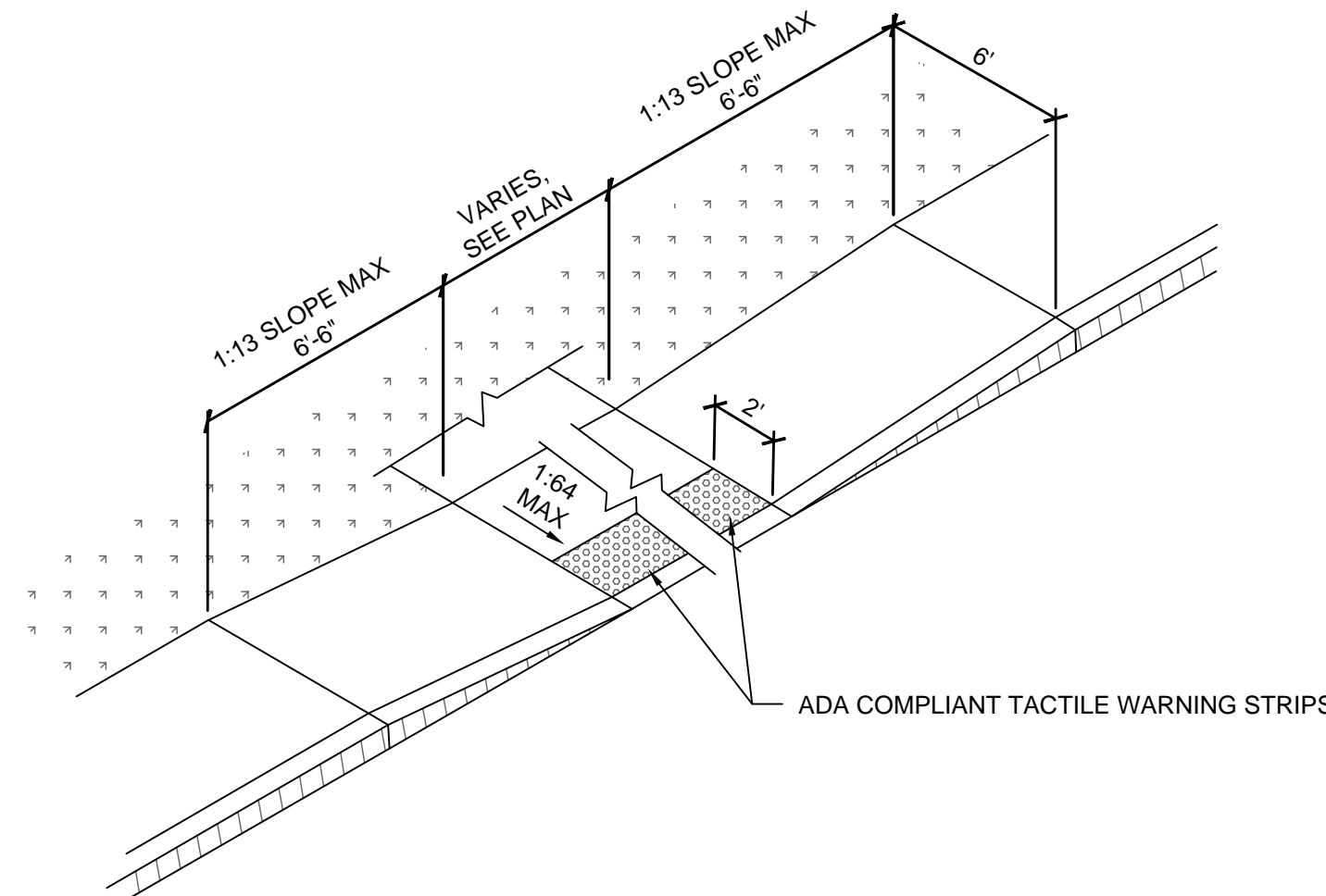


G FLAG POLE BASE
 C501/N.T.S.



- NOTES:
 A. LOCATE CONTROL JOINTS AS SHOWN ON PLAN OR 10' O.C. MAXIMUM. VERIFY WITH SITE REPRESENTATIVE.
 B. CONCRETE WALKS AGAINST THE BUILDING OR CONCRETE PAVEMENT SHALL HAVE 1/2" PREFORMED EXPANSION JOINT BETWEEN WALK AND BUILDING OR WALK AND CONCRETE PAVEMENT.
 C. CONCRETE PADS OVER 4" THICK REQUIRE CONTROL JOINTS TO BE 12' O.C. MAXIMUM.

B SIDEWALK DETAIL
 C501/N.T.S.

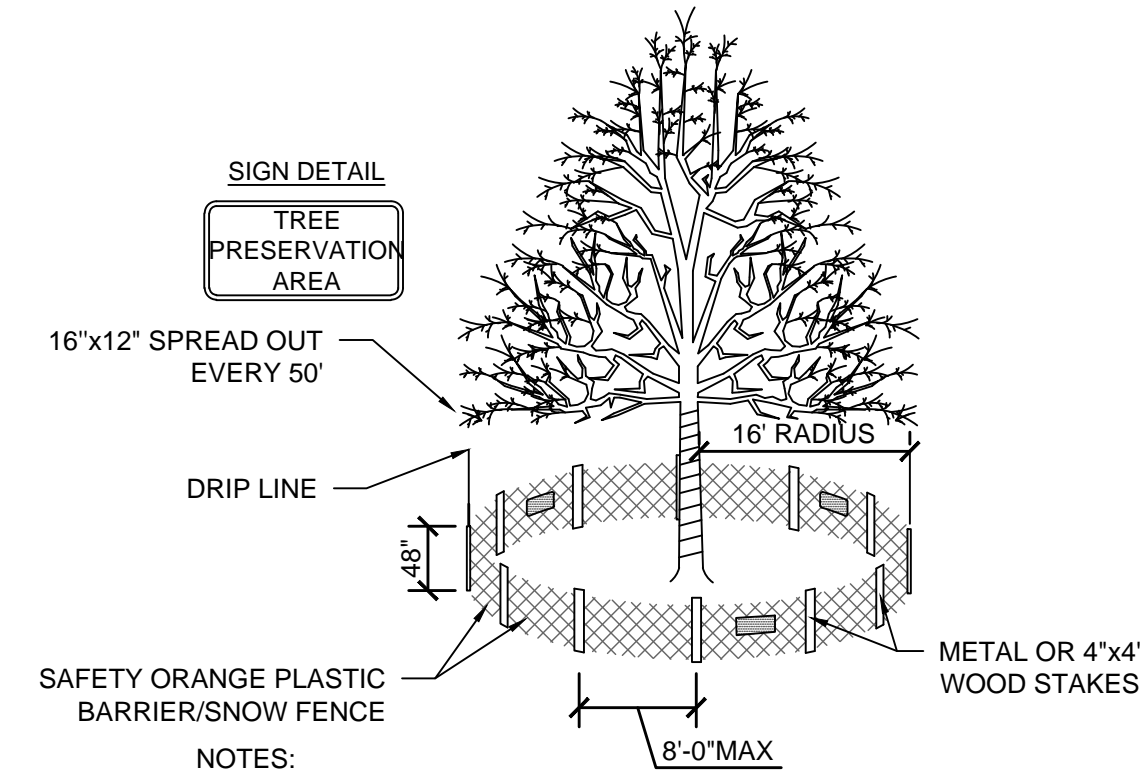


E PARALLEL CURB RAMP - TYPE B2
 C501/N.T.S.



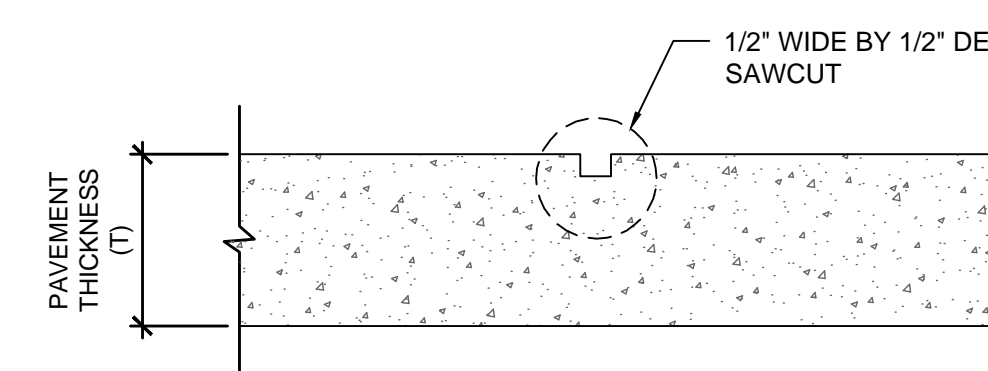
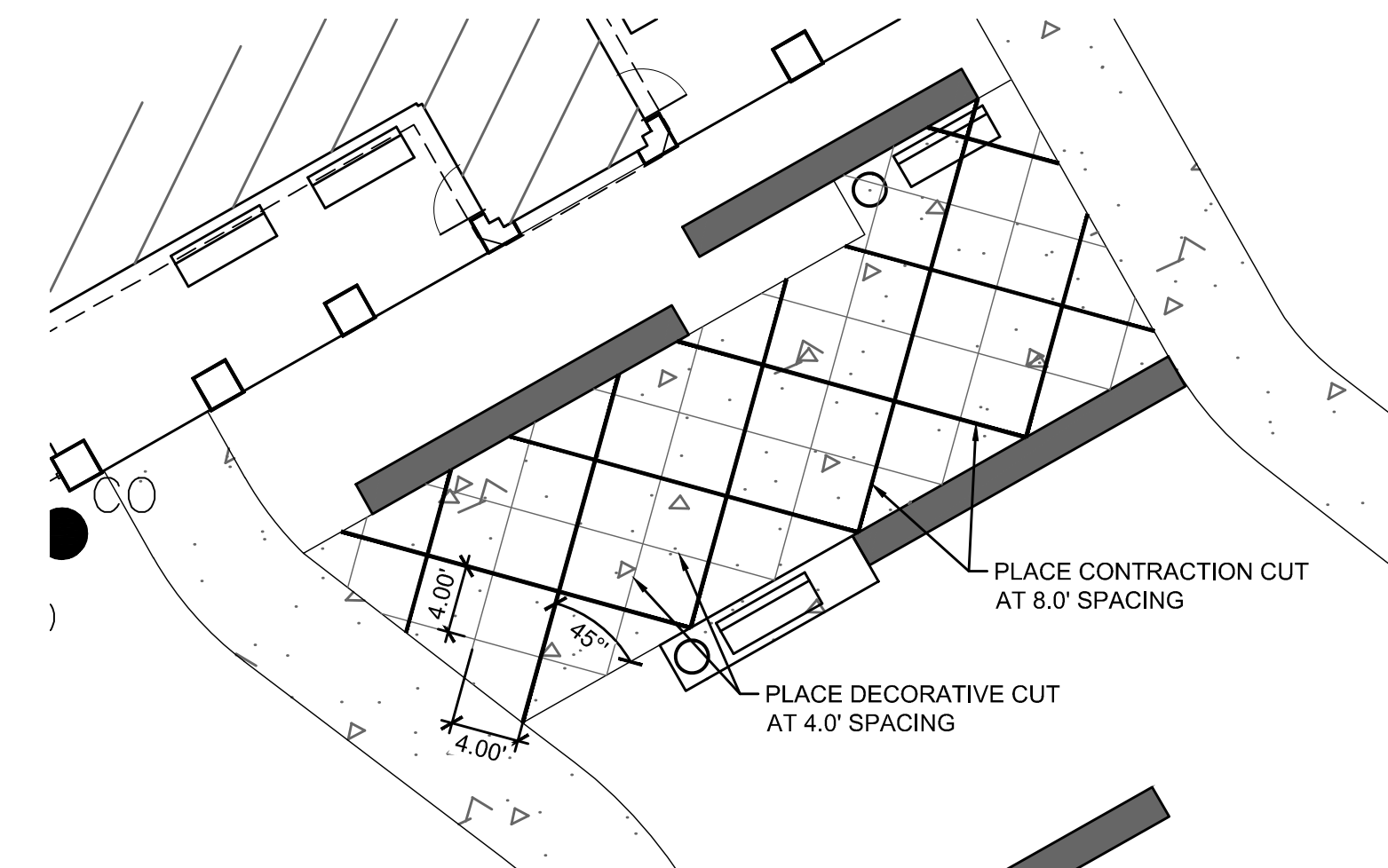
- NOTES:
 A. THE PICTURE ABOVE IS THAT OF THE EXISTING I-77 VIETNAM VETERANS OF AMERICA HIGHWAY SIGN, LOCATED NEAR THE EXIT DRIVE.
 B. THE PROPOSED SIGN SHALL MATCH THE STYLE AND DIMENSIONS OF THE EXISTING SIGN.
 C. CONTRACTOR RESPONSIBLE FOR VERIFYING DIMENSIONS.

H VIETNAM VETERANS OF AMERICA SIGN
 C501/N.T.S.

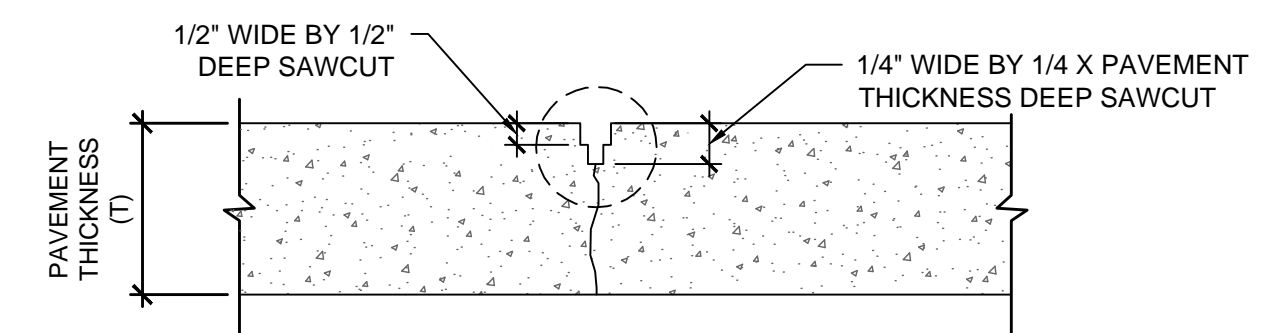


- NOTES:
 1. FENCE MATERIAL SHALL BE MADE OF POLYPROPYLENE OR SIMILAR PLASTIC MATERIAL, AND THE COLOR SHALL BE SAFETY ORANGE.
 2. THE FENCE MATERIAL SHALL NOT BE LESS THAN 48 INCHES IN HEIGHT.
 3. METAL FENCE STAKES OR 4"x4" WOOD POSTS SHALL BE USED TO ERECT THE FENCE. SUFFICIENT STAKES SHALL BE USED TO ENSURE THAT THE FENCE MATERIAL REMAINS UPRIGHT WITHOUT SAGGING. SPACING BETWEEN WOOD OR METAL STAKES SHALL NOT EXCEED 8 FEET.
 4. SIGNS (16"x12") SHALL BE SPACED EVERY 50 FEET ALONG THE FENCE INDICATING THE SITE IS A TREE PRESERVATION AREA.

C TREE PROTECTION DETAIL
 C501/N.T.S.



DECORATIVE CUT



CONTRACTION CUT

- NOTES:
 1. CONCRETE THICKNESS AND AGGREGATE BASE TO BE INSTALLED AS PER THE CONCRETE SIDEWALK DETAIL ON THIS SHEET.
 2. DECORATIVE CUTS SHALL BE INSTALLED 4.0' O.C. PER THE DECORATIVE CUT DETAIL.
 3. CONTRACTION CUTS SHALL BE INSTALLED 8.0' O.C. PER THE THE CONTRACTION CUT DETAIL.

F PLAZA DETAIL
 C501/N.T.S.

DRAWN BY SAZ/KPD

CHECKED BY APPROVED BY IA/IA

ISSUE DATE JULY 2, 2021

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WASHINGTON REST
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 REPLACEMENT

I-77
 Marietta, Ohio 45750
 Washington County

PROJECT

PROJECT NO. 64-12A23

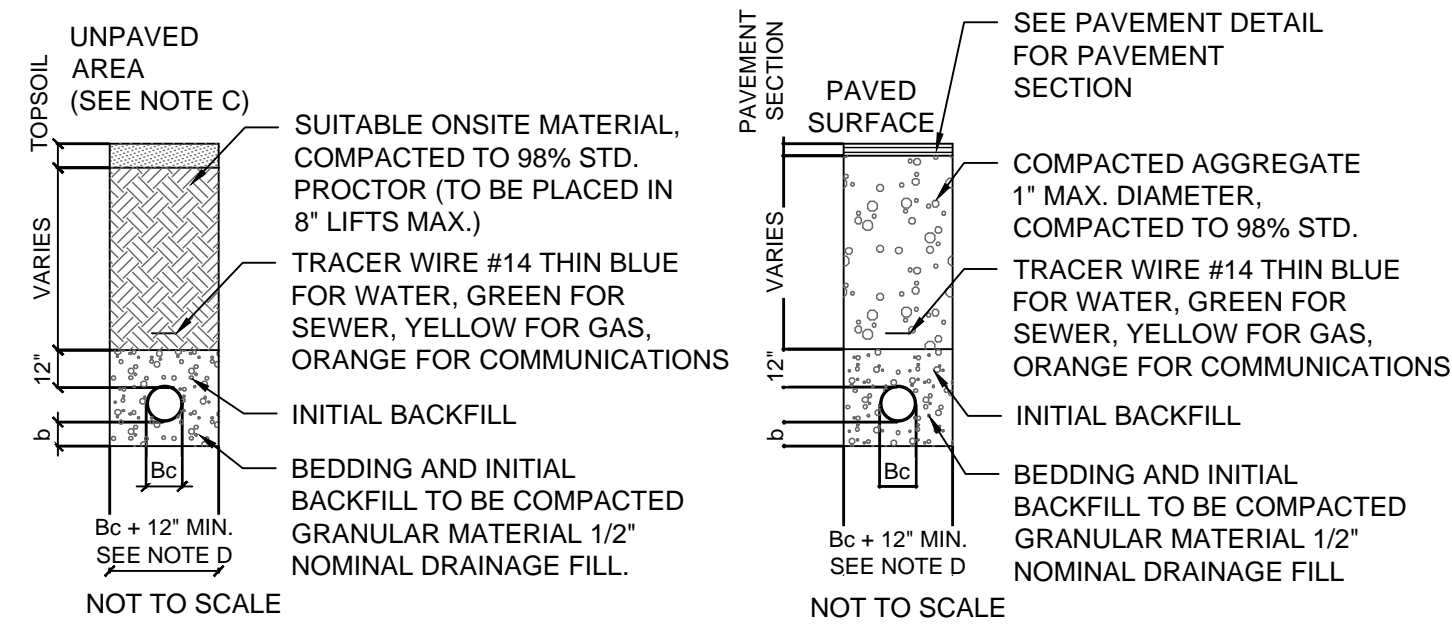
SHEET TITLE

SITE DETAILS

SHEET

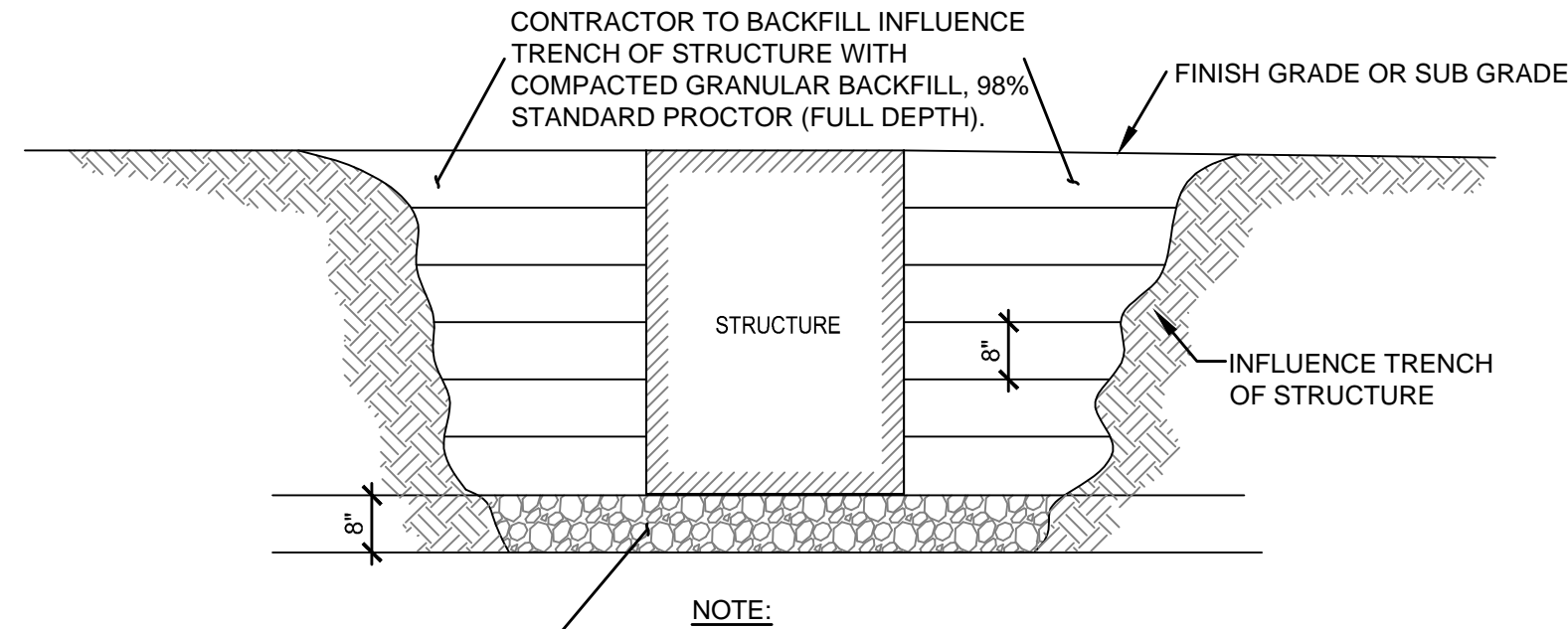
C501

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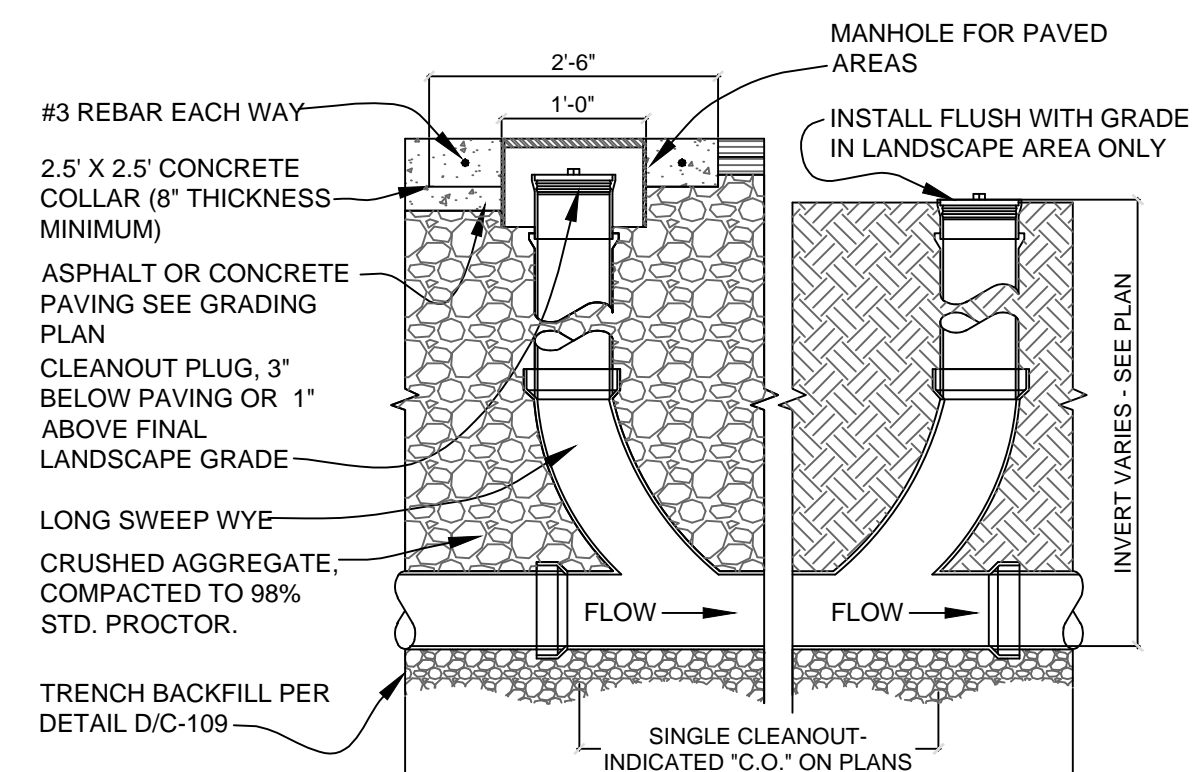
- NOTES:**
- BEDDING THICKNESS UNDER PIPE BARREL b , SHALL BE 1/8 OF B_c ; 6" MIN. B_c IS OUTSIDE DIAMETER OF PIPE AT BELL.
 - THE HAUNCH AREA OF THE PIPE MUST BE FULLY SUPPORTED; THEREFORE THE BEDDING MATERIAL SHALL BE HAND PLACED AND COMPACTED UNDER THE PIPE HAUNCH.
 - IF UNPAVED AREA IS WITHIN 10' OF PAVEMENT OR STRUCTURE THEN FOLLOW TRENCH GUIDELINES FOR PAVED AREA.
 - PIPE DIAMETER OF 4" OR SMALLER SHALL HAVE A MAXIMUM TRENCH WIDTH OF 12".
 - BEDDING AND INITIAL BACKFILL SHALL BE SAND FOR ALL UTILITY CONDUIT CARRYING WATER, ELECTRIC, GAS, AND TELEPHONE.

A TYPICAL BACKFILL DETAILS
C502/N.T.S.



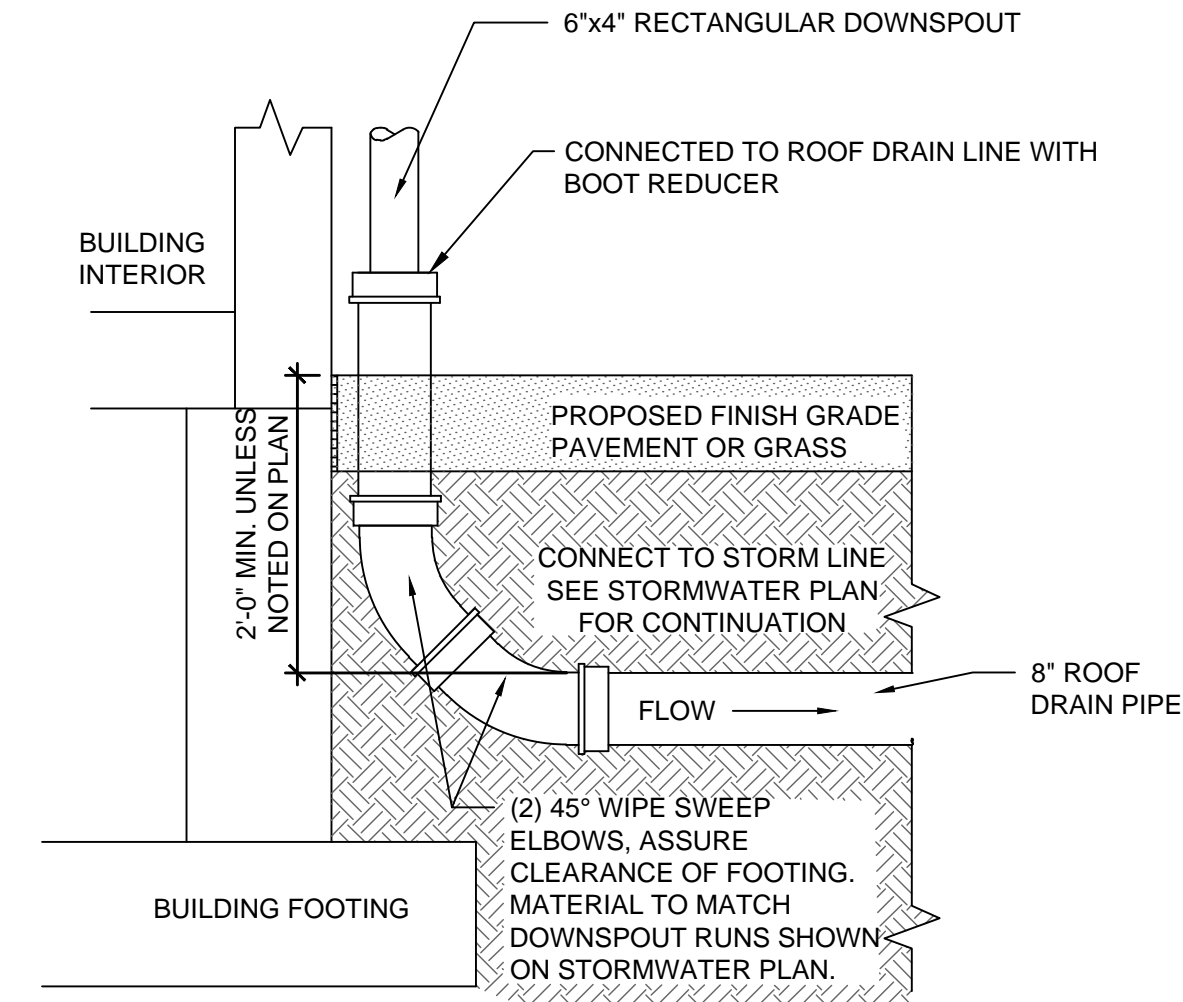
- NOTE:** BACKFILL TO BE PLACED IN 8" LIFTS AND TESTED EACH 24" DEPTH OF FILL - (1) TEST PER STRUCTURE PER 2' FILL) LOCATIONS CERTIFIED BY REPUTABLE TESTING COMPANY, COMPARISONS SHALL BE DOCUMENTED PRIOR TO ISSUANCE OF PAYMENT.
- * NO ON SITE FILL WILL BE ALLOWED FOR UTILITY STRUCTURES UNLESS SPECIFICALLY APPROVED BY ODOT/OFCC REPRESENTATIVE.

B UTILITY STRUCTURE BACKFILL
C502/N.T.S.

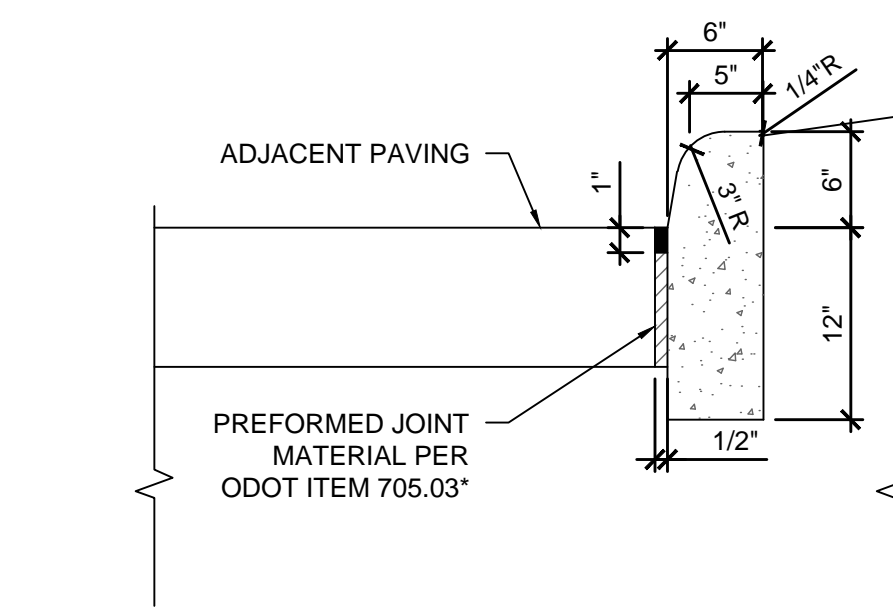


- NOTES:**
- CLEANOUT LOCATIONS INDICATED ON GRADING AND UTILITY PLANS AS "CO" FOR SINGLE CLEANOUT AND "DCO" FOR DOUBLE CLEAN OUT.
 - PROVIDE CLEANOUTS AS SPECIFIED:
 - ZURN Z-1400 CLEANOUTS IN NON-TRAFFIC AREAS AND SIDEWALKS
 - ZURN Z-1449 CLEANOUTS IN LANDSCAPED AREAS
 - ZURN Z-1400 HD CLEANOUTS IN TRAFFIC AREAS WITH A "SERVICE STATION" TYPE MANHOLE, OPW #104 A12 - DOVER CORP./OPW DIV.
 - ALL SINGLE CLEANOUTS SHALL BE INSTALLED SO THAT IT OPENS TO ALLOW CLEANING IN THE DIRECTION OF FLOW, REGARDLESS OF BEING LOCATED IN A PAVED OR LANDSCAPED AREA.

C PIPE CLEAN OUT DETAIL
C502/N.T.S.

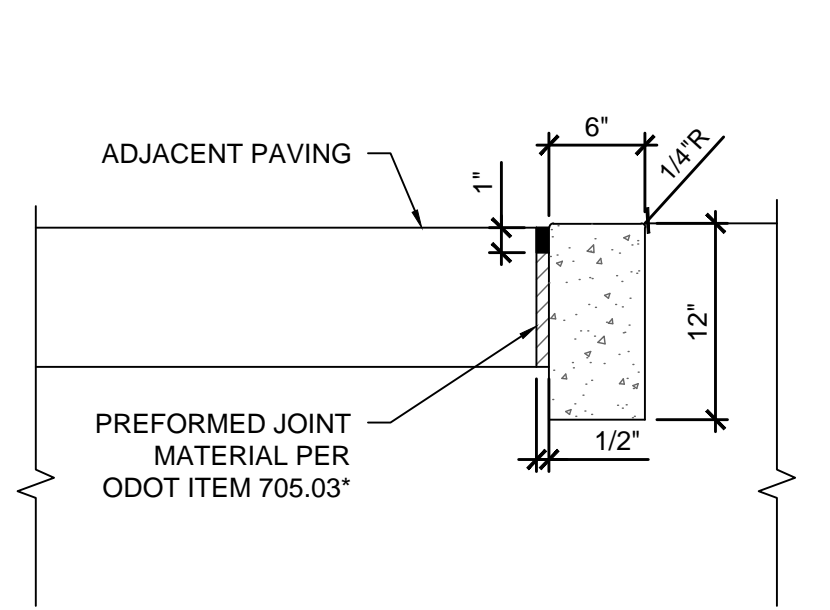


D EXTERIOR DOWNSPOUT BOOT
C502/N.T.S.



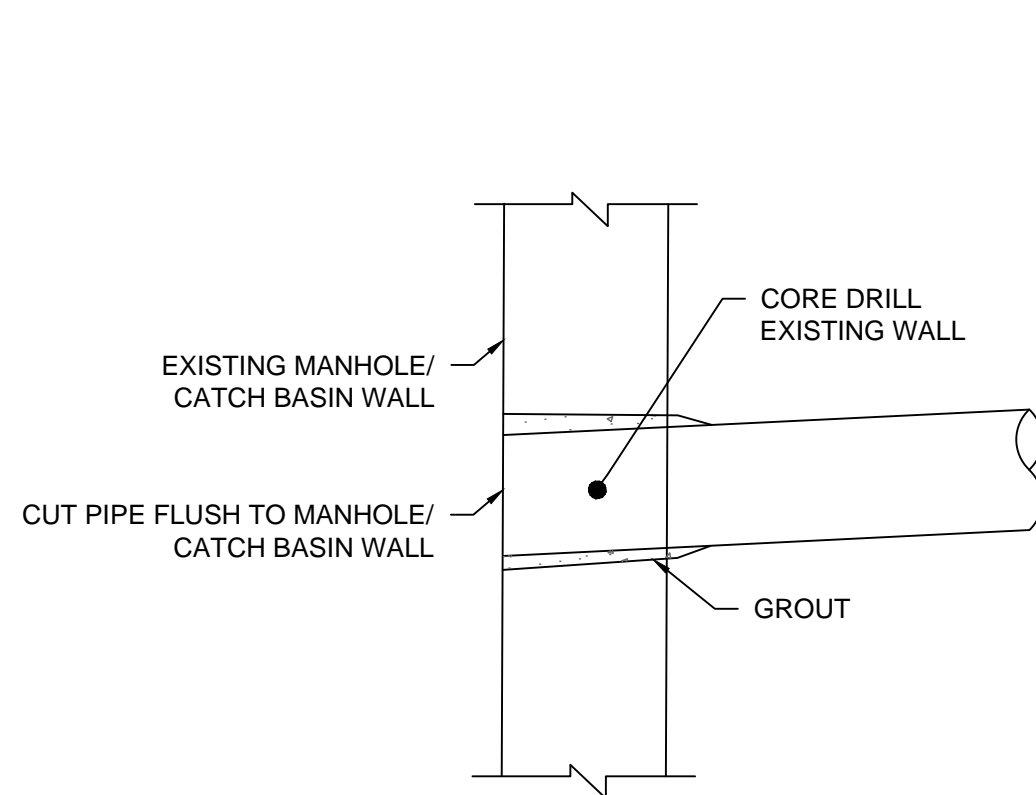
- *NOTE:** EXPANSION JOINT MATERIAL & JOINT SEALER ARE NOT REQUIRED FOR THAT PORTION OF THE CURB WHICH IS ADJACENT TO A FLEXIBLE TYPE PAVEMENT. BOTH MATERIALS ARE REQUIRED FOR THE FULL HEIGHT OF RIGID PAVEMENT AND CONCRETE BASES.

E TYPE 6 CURB
C502/N.T.S.

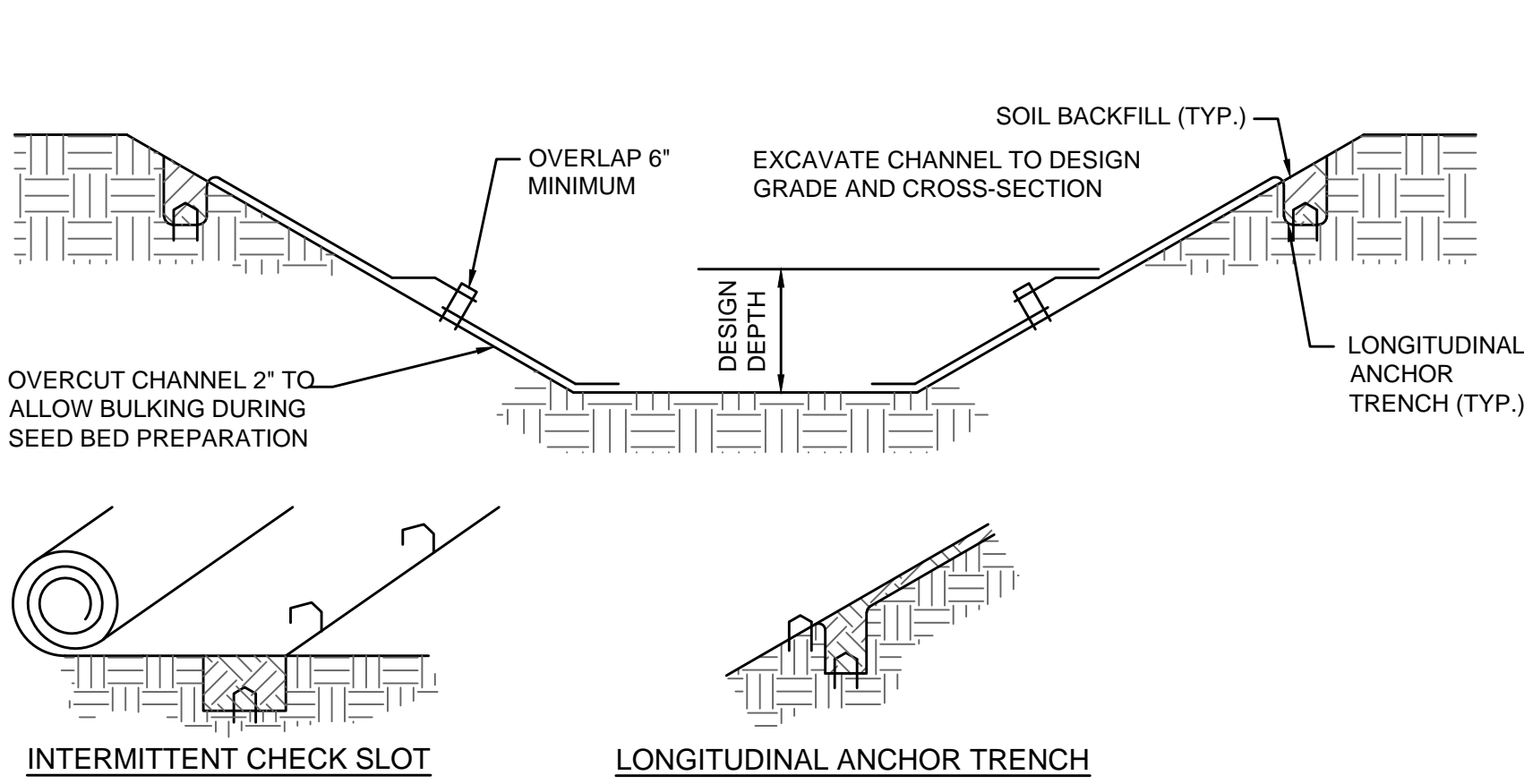


- *NOTE:** EXPANSION JOINT MATERIAL & JOINT SEALER ARE NOT REQUIRED FOR THAT PORTION OF THE CURB WHICH IS ADJACENT TO A FLEXIBLE TYPE PAVEMENT. BOTH MATERIALS ARE REQUIRED FOR THE FULL HEIGHT OF RIGID PAVEMENT AND CONCRETE BASES.

F FLUSH CURB
C502/N.T.S.



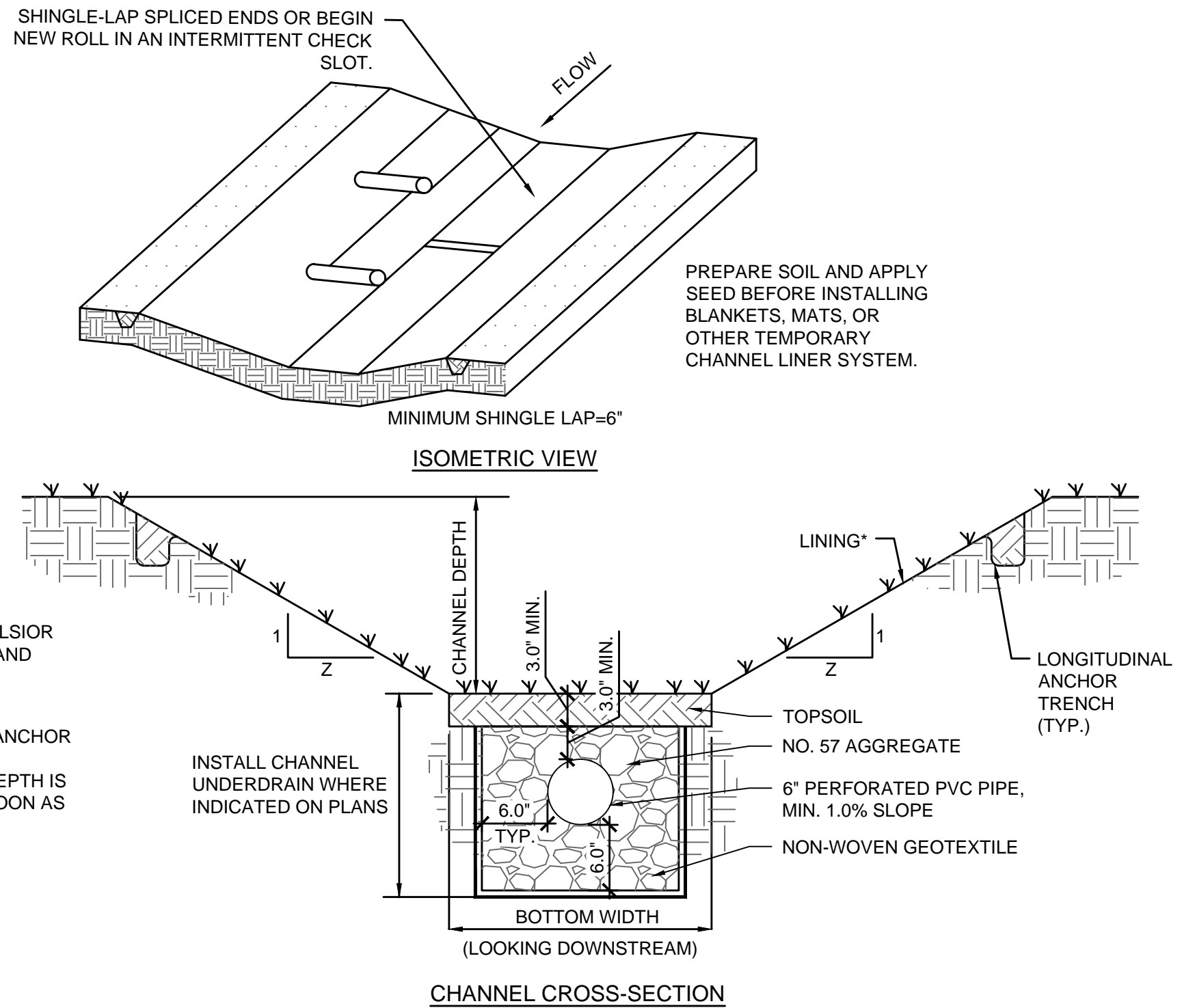
G EXISTING UTILITY STRUCTURE CONNECTION
C502/N.T.S.



- * LINING TO BE TENSAR NORTH AMERICAN GREEN ERONET P300, EASTCOAST EROSION CONTROL ECP-2 10 OZ AMERICAN EXCELSIOR RECYCLEX TRM-V, OR GREENSOLUTIONS GS 50. SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS, AND VEGETATIVE STABILIZATION SPECIFICATIONS FOR SOIL AMENDMENTS, SEED MIXTURES, AND MULCHING INFORMATION.
- NOTES:**
- ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.
 - CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO THE CHANNEL WITHOUT FURTHER DAMAGE.
 - DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

SWALE SCHEDULE						
SWALE NUMBER	STATIONS	BOTTOM WIDTH B (FT)	TOP WIDTH W (FT)	DEPTH D (FT)	Z1 (FT)	Z2 (FT)
A	ALL	2	VARIES	MIN. 1.0'	4	4
B	ALL	1	VARIES	MIN. 1.0'	3	3
C	ALL	1	VARIES	MIN. 1.0'	3	3

H DRAINAGE SWALE LINING
C502/N.T.S.

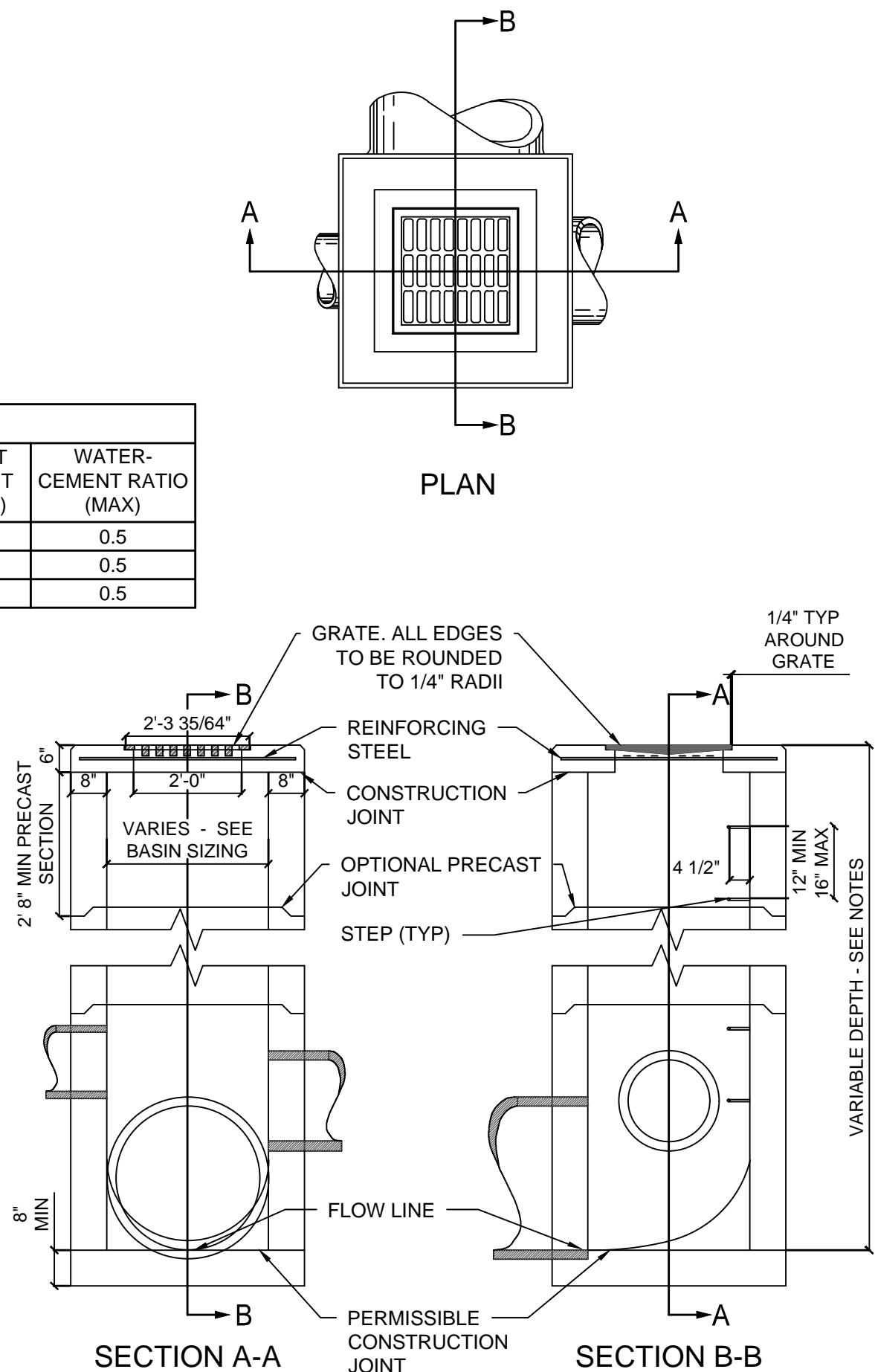


I SQUARE CATCH BASIN
C502/N.T.S.

BASIN SIZING		
INSIDE DIMENSION	PIPE SIZE	TOP SLAB REINFORCING AT 6" O.C.
3'-0" x 3'-0"	12" TO 33"	(8) #4 BARS

CONCRETE TABLE					
AGGREGATE	DRY AGGREGATES (LB/C.Y.)			CEMENT CONTENT (LB/C.Y.)	WATER-CEMENT RATIO (MAX)
	FINE	COARSE	TOTAL		
GRAVEL	1160	1735	2895	600	0.5
LIMESTONE	1285	1630	2915	600	0.5
SLAG	1350	1360	2710	600	0.5

- NOTES:**
- GRATE: EJ NO. 5115M2, 5115Z OR APPROVED EQUAL. NEENAH NO. 4852, 1893-0018 OR APPROVED EQUAL. WALLS: CAST-IN-PLACE WALLS SHALL HAVE A NOMINAL THICKNESS OF 8". PRECAST WALLS SHALL HAVE A MINIMUM THICKNESS OF 6" AND BE REINFORCED SUFFICIENTLY TO SHIPPING AND HANDLING WITHOUT DAMAGE. PRECAST TOPS SHALL BE 8" THICK. STEPS: STEPS SHALL BE PROVIDED WHERE THE DEPTH OF THE STRUCTURE EXCEEDS 6". CONCRETE: CAST-IN-PLACE CONCRETE TO MEET THE COMPOSITION SPECIFIED IN THE CONCRETE TABLE. ALL PRECAST CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C478.
 - INLETS OVER 12" IN DEPTH SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE, REINFORCED WITH #4 BARS ON 12" CENTERS BOTH VERTICALLY AND HORIZONTALLY WITH 2" CLEARANCE FROM INSIDE WALL FACE. PRECAST BASE: IF A PRECAST BASE IS USED, IT SHALL BE SET DEEP ENOUGH SO THAT THE TOP CAN BE PLACED ON THE BASE TO PROVIDE THE GRATE ELEVATION SPECIFIED IN THE PLANS. PRECAST GRADE RINGS MAY BE USED TO ADJUST THE TOP ELEVATION. MINIMUM OF TWO COURSES OF BRICK SHALL BE USED TO ADJUST THE TOP ELEVATION. LOCATION AND ELEVATION: WHEN GIVEN ON THE PLANS, THE LOCATION AND THE ELEVATION ARE AT THE TOP CENTER OF THE GRATE. MINIMUM DEPTH: THE MINIMUM DEPTH SHALL BE THE OUTSIDE DIAMETER (O.D.) OF THE OUTLET PIPE PLUS 7". OPENINGS: PIPE OPENINGS SHALL BE THE O.D. OF THE PIPE BEING SUPPLIED PLUS 2" WHEN PREFABRICATED OR FIELD CUT. THE INTERSTITIAL SPACE SHALL BE FILLED WITH GROUT.

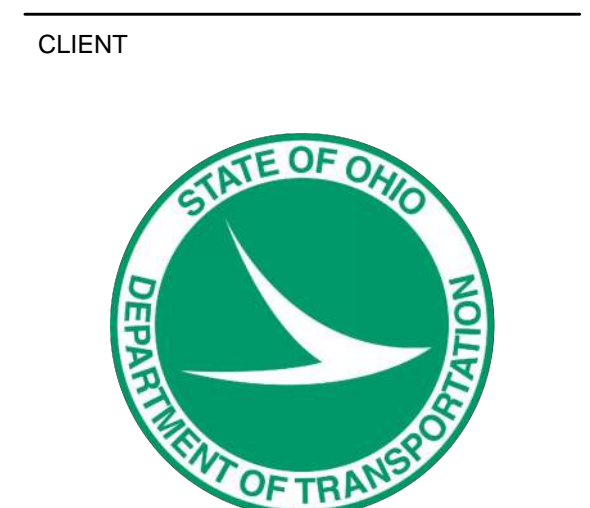


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WASHINGTON REST AREA BUILDING REPLACEMENT
PROJECT

1-77 Marietta, Ohio 45750 Washington County
PROJECT NO. 64-12A23
SHEET TITLE
SHEET
SITE DETAILS
C502

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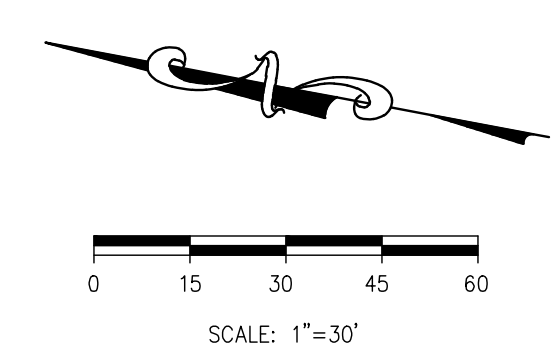
KEYED NOTES:

- ① INLET PROTECTION, SEE DETAIL ON SHEET C-702.
- ② CONCRETE WASHOUT, SEE DETAIL ON SHEET C-702. A MANUFACTURED CONCRETE WASHOUT BIN MAY BE UTILIZED TO LIMIT DISTURBANCE OF SURROUNDING AREAS.
- ③ SILT FENCE, SEE DETAIL ON SHEET C-702. SILT FENCE AT TOE OF SLOPE SHALL BE REINFORCED TO PREVENT FAILURE.
- ④ ROCK CONSTRUCTION ENTRANCE, SEE DETAIL ON SHEET C-703.

NOTE:
 THE CONTRACTOR SHALL PREVENT AND/OR REDUCE AND CONTROL SOIL EROSION RESULTING FROM THE PROPOSED IMPROVEMENTS. THE USE OF SILT FENCING, JUTE MATTING, TEMPORARY SEEDING, SILT CHECKS, INLET PROTECTION AROUND ALL CATCH BASINS, STABILIZED CONSTRUCTION ENTRANCE(S), ETC. WILL BE REQUIRED. SEDIMENT CONTROL STRUCTURES/DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL RAINWATER AND LAND DEVELOPMENT – OHIO'S STANDARDS FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION. SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUED INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS SET FORTH ON THE APPROVED STORM WATER POLLUTION PREVENTION PLAN IF APPLICABLE, OR AS DETAILED ON THE CONSTRUCTION PLANS.

LEGEND

FEATURE	DESCRIPTION
	INLET PROTECTION
SF	SILT FENCE
	LIMITS OF DISTURBANCE
	CONCRETE WASHOUT AREA
	CONSTRUCTION ENTRANCE
	EXISTING STORM STRUCTURE
	PROPOSED STORM STRUCTURE



OHIO
UTILITIES PROTECTION
SERVICE

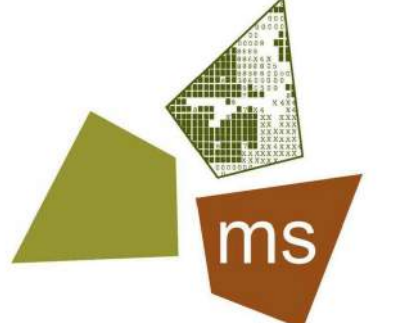
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**WASHINGTON REST
 AREA BUILDING
 REPLACEMENT**
 I-77
 Marietta, Ohio 45750
 Washington County

PROJECT

PROJECT NO. 64-12A23

SHEET TITLE
 STORM WATER POLLUTION
 PREVENTION PLAN

SHEET

C701

TEMPORARY SEEDING

TEMPORARY SEEDINGS ESTABLISH TEMPORARY COVER ON DISTURBED AREAS BY PLANTING APPROPRIATE RAPIDLY GROWING ANNUAL GRASSES OR SMALL GRAINS. TEMPORARY SEEDING PROVIDES EROSION CONTROL ON AREAS IN BETWEEN CONSTRUCTION OPERATIONS. GRASSES, WHICH ARE QUICK GROWING, ARE SEEDED AND USUALLY MULCHED TO PROVIDE PROMPT, TEMPORARY SOIL STABILIZATION. IT EFFECTIVELY MINIMIZES THE AREA OF A CONSTRUCTION SITE PRONE TO EROSION AND SHOULD BE USED EVERYWHERE THE SEQUENCE OF CONSTRUCTION OPERATIONS ALLOWS VEGETATION TO BE ESTABLISHED.

SPECIFICATIONS FOR TEMPORARY SEEDING:

TEMPORARY SEEDING SPECIES SELECTION			
SEEDING DATES	SPECIES	LB/1000 SF	LB/ACREA
MAR 1 TO AUG 15	OATS	3	128-4 BUSHEL
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	PERENNIAL RYGRASS	1	40
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	ANNUAL RYEGRASS	1.25	55
	PERENNIAL RYEGRASS	3.25	142
	CREEPING RED FESCUE	0.40	17
	KENTUCKY BLUEGRASS	0.40	17
	OATS	3	128-3 BUSHEL
TALL FESCUE	1	40	
ANNUAL RYEGRASS	1	40	
AUG 16 TO NOV	RYE	3	112-3 BUSHEL
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	WHEAT	3	120-2 BUSHEL
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	ANNUAL RYEGRASS	1.25	40
	PERENNIAL RYEGRASS	3.25	40
	CREEPING RED FESCUE	0.40	40
	KENTUCKY BLUEGRASS	0.40	40
	NOV 1 TO FEB 29	USE MULCH ONLY OR DORMANT SEEDING	

- STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
- TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 14 DAYS OR GREATER. THESE IDLE AREAS SHALL BE SEEDDED WITHIN 7 DAYS AFTER GRADING.
- THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.
- SOIL AMENDMENTS TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
- SEEDING METHOD SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

MULCHING TEMPORARY SEEDING:

- APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.
- MATERIALS:
 - STRAW IF STRAW IS USED, IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE OR 90 LBS/ 1,000 SQ. FT. (2-3 BALES)
 - HYDROSEEDERS IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LBS/ AC. OR 46 LB/ 1,000-SQ.-FT.
 - OTHER OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TON/ AC.
- STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:
 - MECHANICAL A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT LEFT TO A LENGTH OF APPROXIMATELY 6 INCHES.
 - MULCH NETTING NETTING SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.
 - SYNTHETIC BINDERS SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TRACK OR EQUIVALENT MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
 - WOOD-CELLULOSE FIBER WOOD-CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WT. OF 750 LB./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB. / 100 GAL.

PERMANENT SEEDING

PERENNIAL VEGETATION IS ESTABLISHED ON AREAS THAT WILL NOT BE RE-DISTURBED FOR PERIODS LONGER THAN 12 MONTHS. PERMANENT SEEDING INCLUDES SITE PREPARATION, SEEDBED PREPARATION, PLANTING SEED, MULCHING, IRRIGATION AND MAINTENANCE.

PERMANENT VEGETATION IS USED TO STABILIZE SOIL, REDUCE EROSION, PREVENT SEDIMENT POLLUTION, REDUCE RUNOFF BY PROMOTING INFILTRATION, AND PROVIDE STORMWATER QUALITY BENEFITS OFFERED BY DENSE GRASS COVER.

SPECIFICATION FOR PERMANENT SEEDING

SITE PREPARATION:

- SUBSOILER, PLOW, OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY.) SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING SHALL NOT BE DONE ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.
- THE SITE SHALL BE GRADED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
- TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

SEEDBED PREPARATION:

- TEST THE SOIL CONDITIONS FOR FEEDING BEFORE STARTING SEEDING AND MULCHING.
- LIME AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1,000-SQ. FT. OR 2 TONS PER ACRE.
- FERTILIZER FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. CONTRACTOR SHALL PERFORM LAB TESTING ON SOIL AND PROVIDE A CERTIFIED FERTILIZER RATIO FOR THE SITE SOILS AND SPECIFIED SEED MIX.
- THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND, THE SOIL SHALL BE WORKED ON THE CONTOUR.

SEEDING DATES AND SOIL CONDITIONS:

SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THE ABOVE SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND, FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.

DORMANT SEEDINGS:

- SEEDINGS SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS PERIOD, THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE WINTER.
- THE FOLLOWING METHODS MAY BE USED FOR DORMANT SEEDING:
 - FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN MULCH AND ANCHOR. AFTER NOVEMBER 20, AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
 - FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED, LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
 - APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED. WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG. ON SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE FEASIBLE.

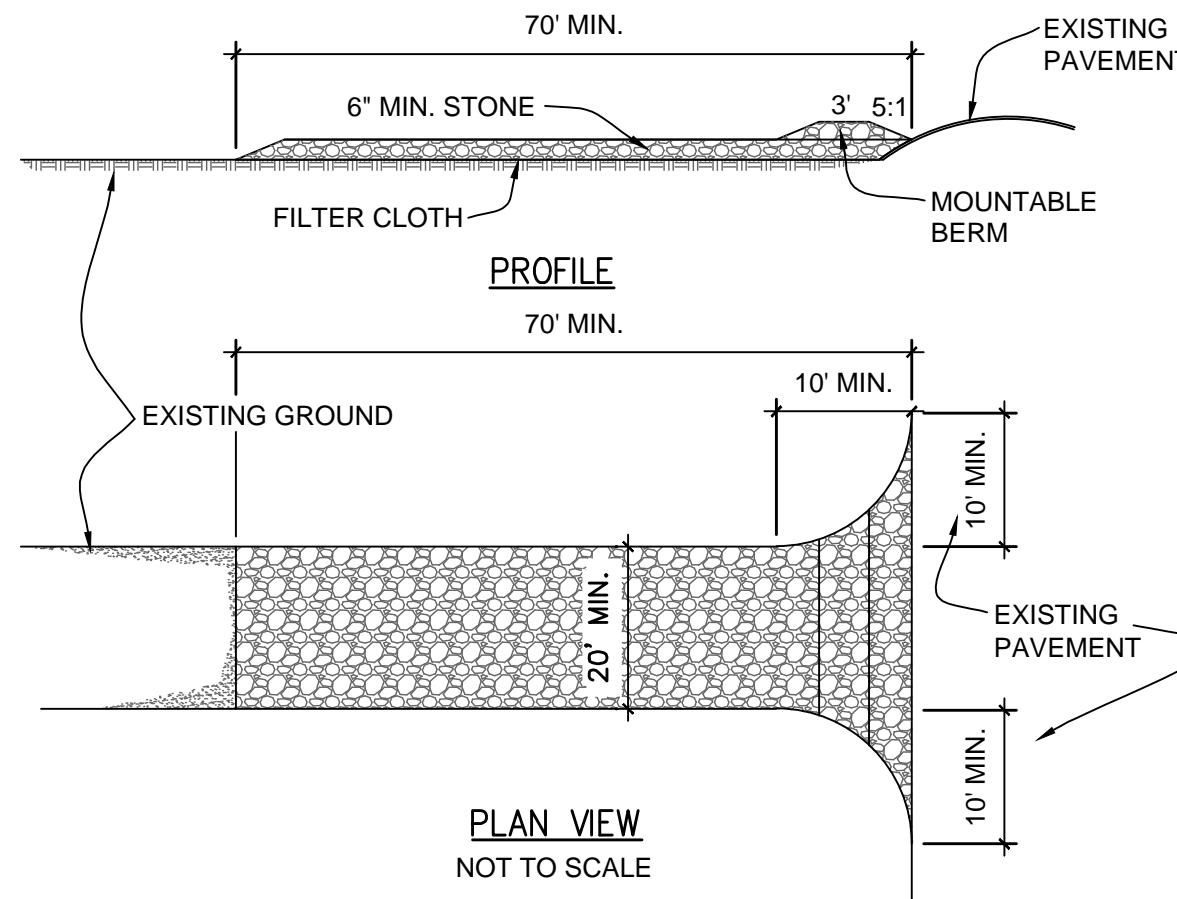
MULCHING:

- MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. DORMANT SEEDING SHALL BE MULCHED. 100% OF THE GROUND SURFACE SHALL BE COVERED WITH AN APPROVED MATERIAL
- MATERIALS:
 - STRAW IF STRAW IS USED IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE OR 90 POUNDS (TWO TO THREE BALES) PER 1,000-SQ. FT. THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY APPLIED SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000-SQ.-FT. SECTIONS AND SPREAD TWO 45-LB. BALES OF STRAW IN EACH SECTION.
 - HYDROSEEDERS IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE APPLIED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.
 - OTHER OTHER ACCEPTABLE MULCHES INCLUDE ROLLED EROSION CONTROL MATTINGS OR BLANKETS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS PER ACRE.
- STRAW AND MULCH ANCHORING METHODS-STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER:
 - MECHANICAL A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT, GENERALLY, BE LEFT LONGER THAN 6 INCHES.
 - MULCH NETTING NETTING SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.
 - ASPHALT EMULSION ASPHALT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURER OR AT THE RATE OF 100 GALLONS PER ACRE.
 - SYNTHETIC BINDERS SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUIVALENT MAY BE USED AT RATES SPECIFIED BY THE MANUFACTURER.
 - WOOD CELLULOSE FIBER WOOD CELLULOSE FIBER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER WITH THE MIXTURE CONTAINING A MAXIMUM OF 50 POUNDS CELLULOSE PER 100 GALLONS OF WATER.

IRRIGATION:

PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH. IRRIGATION RATES SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDED AREAS FROM EXCESSIVE RUNOFF. CONTRACTOR SHALL MAINTAIN PERMANENT SEEDING FOR UP TO ONE YEAR FROM SUBSTANTIAL COMPLETION TO FIX, REPAIR, WATER, REFERTILIZE AND/OR RESEED GRASSED AREAS.

SEED MIX	SEEDING RATE		NOTES
	LBS/ACRE	LBS/1,000 SF	
GENERAL USE			
CREEPING RED FESCUE	20-40	½-1	FOR CLOSE MOWING AND FOR WATERWAYS WITH <2.0 FT/SEC VELOCITY
DOMESTIC RYEGRASS	10-20	¼-½	
KENTUCKY BLUEGRASS	20-40	½-1	
TALL FESCUE	40-50	1-1½	
TURF-TYPE (DWARF) FESCUE	90	2½	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40-50	1-1½	
CROWN VETCH	10-20	¼-½	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20-30	½-¾	
FLAT PEA	20-25	½-¾	DO NOT SEED LATER THAN AUGUST
TALL FESCUE	20-30	½-¾	
ROAD DITCHES AND SWALES			
TALL FESCUE	40-50	1-1½	
TURF-TYPE (DWARF) FESCUE	90	2½	
KENTUCKY BLUE GRASS	5	½	
LAWNS			
KENTUCKY BLUEGRASS	100-120	2	
PERENNIAL RYEGRASS		2	
KENTUCKY BLUEGRASS	100-120	2	FOR SHADED AREAS
CREEPING RED FESCUE		1-½	



STABILIZED CONSTRUCTION ENTRANCE

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 70 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOWING OF SEDIMENT ONTO THE ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO THE ROADWAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVED SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

DRAWN BY	SAZ/KPD	
CHECKED BY	IA/IA	
APPROVED BY		
ISSUE DATE	JULY 2, 2021	
REVISION		
#	DATE	DESCRIPTION
2/8/21		SD SUBMISSION
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4/21/21		DD SUBMISSION
6/18/21		CD PROGRESS
7/2/21		CD SUBMISSION



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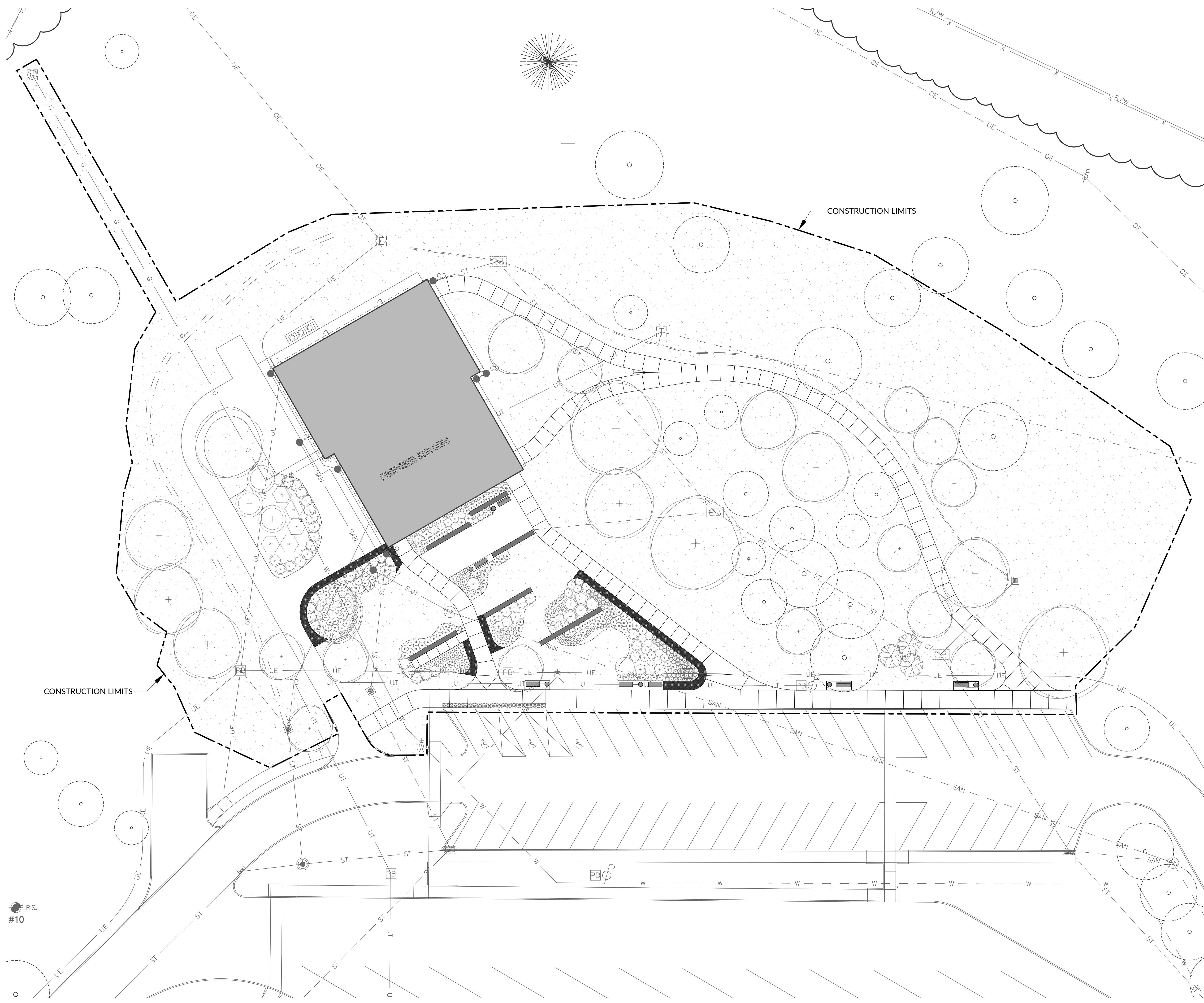
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WASHINGTON REST AREA BUILDING REPLACEMENT
 PROJECT NO. 64-12A23
 SHEET TITLE SWPPP NOTES AND DETAILS
 SHEET C703
 I-77 Marietta, Ohio 45750 Washington County

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1 OVERALL SITE PLAN (REFERENCE)
 SCALE: 1" = 20'-0" 2021-03-WASHINGTONRESTAREA-L000_GENERAL.DWG

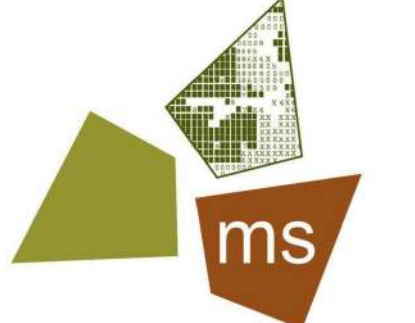
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ISSUE DATE FEBRUARY 8, 2021

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#	DATE	DESCRIPTION
7.2.21		CD SUBMISSION



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PROJECT
 ODOT WASHINGTON
 REST AREA
 I-77
 Marietta, Ohio 45750
 Washington County

PROJECT NO. 64-12A23

SHEET TITLE

OVERALL SITE PLAN

SHEET

L001

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GENERAL LANDSCAPE NOTES:

- REFER TO CIVIL PLANS FOR UTILITY LOCATION AND DRAINAGE INFORMATION. UTILITIES ARE SHOWN ON SHEET L001 FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, INCLUDING THE LOCATION OF ALL UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND STAKING THE LOCATION OF ALL EXISTING UTILITIES AND PROTECTING THEM DURING THE WORK AND SHALL BEAR ANY COSTS TO REPAIR UTILITIES DAMAGED AS A CONSEQUENCE OF HIS WORK.
- VERIFY LOCATIONS OF PERTINENT SITE IMPROVEMENTS INSTALLED UNDER OTHER SECTIONS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
- ALL PLANT MATERIALS TO COMPLY WITH THE LATEST EDITION OF A.N.A. STANDARDS FOR NURSERY STOCK AND BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF CERTIFICATE OF SUBSTANTIAL COMPLETION. ANY PLANTINGS NEEDING REPLACEMENT WILL BE GUARANTEED FROM THE TIME OF REPLACEMENT IF AFTER FINAL ACCEPTANCE.
- REFERENCE CIVIL SHEETS FOR SEEDING PLAN.
- PROVIDE QUANTITY, SIZE, GENUS, SPECIES, AND VARIETY OF EXTERIOR PLANTS INDICATED, COMPLYING WITH APPLICABLE REQUIREMENTS IN ANSI Z60.1, "AMERICAN STANDARD FOR NURSERY STOCK," CURRENT EDITION. THE CURRENT STANDARD IS AVAILABLE AT <https://www.americanhort.org/page/standards>
- PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS PLANT MATERIAL, FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT.
- TREES AND SHRUBS OF A LARGER SIZE MAY BE USED, IF ACCEPTABLE TO LANDSCAPE ARCHITECT, WITH A PROPORTIONATE INCREASE IN SIZE OF ROOTS OR BALLS.
- SELECT PLANT MATERIALS FOR UNIFORM HEIGHT AND SPREAD. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
- LABELS AND ANY TAGS WITH BOTANICAL AND COMMON NAME ARE TO REMAIN ATTACHED TO ALL PLANT MATERIAL UNTIL CONFIRMED AND CHECKED BY LANDSCAPE ARCHITECT. LANDSCAPE ARCHITECT MAY OBSERVE TREES AND SHRUBS EITHER AT THE NURSERY, OR AT SITE BEFORE PLANTING OPERATION BEGINS, FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. LANDSCAPE ARCHITECT RETAINS RIGHT TO OBSERVE TREES AND SHRUBS FURTHER FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEMS, PRESENCE OF INSECTS, INJURIES, AND LATENT DEFECTS AND TO REJECT UNSATISFACTORY, OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. REJECTED TREES OR SHRUBS SHALL BE IMMEDIATELY REMOVED FROM PROJECT SITE.
- REFER TO TYPICAL PLANTING DETAILS FOR PLANT INSTALLATION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR FINISHED GRADES; LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FINE GRADING OF PLANTING BEDS AND TO PROVIDE AMENDED TOPSOIL FOR PLANTING BEDS AND TREE PITS.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES, AND LAWNS AND EXISTING EXTERIOR PLANTS FROM DAMAGE CAUSED BY PLANTING OPERATIONS.
- IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO KEEP ADJACENT PAVING AND CONSTRUCTION CLEAN, AND MAINTAIN WORK AREA IN AN ORDERLY CONDITION, FOR DURATION OF PROJECT.
- IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXTERIOR PLANTS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES, AND OTHERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR, OR REPLACE DAMAGED EXTERIOR PLANTING.
- IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO REMOVE SURPLUS SOIL AND WASTE MATERIAL ,

INCLUDING EXCESS SUBSOIL AND HAUL AND DISPOSE OFF SITE OF UNWANTED MATERIALS RELATED TO THEIR OPERATIONS ON SITE.

- PROVIDE EROSION-CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL-BEARING RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES, DRIVES AND WALKWAYS.
- LANDSCAPE CONTRACTOR SHALL LAY OUT INDIVIDUAL TREE LOCATIONS, SHRUB LOCATIONS AND AREAS FOR MULTIPLE EXTERIOR PLANTINGS. STAKE LOCATIONS, OUTLINE PLANT BED AREAS, ADJUST LOCATIONS WHEN REQUESTED, AND OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF LAYOUT PRIOR TO PLANTING. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST THE PLANTS TO EXACT LOCATION IN FIELD.
- TREES TO BE PLANTED A MINIMUM 10 FEET FROM FACE OF BUILDING OR PAVEMENT EXCEPT AS DIRECT BY THESE PLANS AND NOTES OR APPROVED BY LANDSCAPE ARCHITECT.
- IT IS THE CONTRACTOR'S OPTION HOW TO STAKE ALL TREES.
- ALL PLANTS ARE TO BE REMOVED FROM CONTAINERS, CAGES AND NON-BIODEGRADABLE MATERIALS. COMPLETELY REMOVE METAL CAGES AND COMPLETELY REMOVE AND DISCARD BURLAP AS NOTED ON PLANTING DETAILS. DISCARDED ITEMS SHALL NOT REMAIN IN PLANTING PITS OR BED AREAS.
- ALL PLANTS SHALL BE FERTILIZED WITH 10:10:10 SLOW-RELEASE FERTILIZER PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ALL PLANT MATERIALS ARE TO BE PRUNED TO REMOVE DEAD OR INJURED BRANCHES.

LAYOUT NOTES:

- ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE. LARGE SCALE OVER SMALLER SCALE, ADDENDA AND CLARIFICATIONS OVER PREVIOUS DOCUMENTS.
- CONTRACTOR TO LAY OUT ANY HARDSCAPE ELEMENTS AND VERIFY LAYOUT WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. HARDSCAPE ELEMENTS ARE DIMENSIONED ON THE LANDSCAPE LAYOUT PLAN. ANY DISCREPANCIES OR CONFLICTS WITH EXISTING CONDITIONS OR OTHER DRAWINGS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY FOR PROPER CLARIFICATION OR ADJUSTMENT.
- FOR DIMENSIONS OF EXISTING BUILDINGS, PROPOSED BUILDING OR IMPROVEMENTS, AND RELATED WORK, REFER TO THE ARCHITECTURAL DRAWINGS.
- WHERE DIMENSIONS ARE CALLED AS "EQUAL", SPACE REFERENCED ITEMS EQUALLY, MEASURED TO THEIR CENTER LINES.
- MEASUREMENTS ARE TO FACE OF BUILDING, WALL OR FIXED SITE IMPROVEMENT. DIMENSIONS TO CENTER LINES IS AS INDICATED.
- INSTALL INTERSECTION ELEMENTS AT 90 DEGREE ANGLES TO EACH OTHER UNLESS OTHERWISE NOTED.
- PROVIDE EXPANSION JOINTS WHERE LANDSCAPE HARDSCAPE FEATURES MEETS CONCRETE FLATWORK OR OTHER HARDSURFACES.

MULCH NOTES:

- MULCH SHALL CONSIST OF TWICE SHREDDED HARDWOOD CHIPS AND BARK, VERY DARK NATURAL BROWN COLOR.
- MATERIAL SHALL BE FAIRLY UNIFORM IN SIZE, QUALITY, AND OVERALL APPEARANCE.
- MULCH SHALL BE FREE OF MATERIAL INJURIOUS TO PLANT GROWTH AND SOURCES OF MULCH SHOULD BE FREE OF WEEDS AND INVASIVE PLANT PARTS OR SEED.
- ALL MULCH SHALL BE PLACED AS NOTED IN PLANTING DETAILS. APPLY PRE-EMERGENT HERBICIDE BEFORE MULCHING PER MANUFACTURERS WRITTEN INSTRUCTIONS.

SOIL PREPARATION NOTES:

- SOIL PREPARATION OF A LANDSCAPE DESIGN IS A CRITICAL FACTOR IN CREATING A HEALTHY AND LONG-LASTING LANDSCAPE. REMOVE EXISTING TOPSOIL AND STOCKPILE ON SITE. TOPSOIL TO BE INCORPORATED BACK INTO THE SOIL AT A LATER DATE. CONTRACTOR TO CONDUCT A SOIL EVALUATION TO DETERMINE THE SOILS COMPOSITION, COMPACTION RATE, NUTRIENT QUALITIES, ORGANIC CONTENT, pH LEVELS, AND WATER HOLDING CAPABILITIES.
- PRIOR TO THE INSTALLATION OF THE LANDSCAPE MATERIALS, CONTRACTOR TO PREPARE SOIL TO ENSURE A PROPER ENVIRONMENT FOR PLANT ROOT DEVELOPMENT CONSISTENT WITH THE LOCATE ENVIRONMENT.
- HERBICIDE TREATMENT:** CONTRACTOR SHALL APPLY A MINIMUM OF 2 APPLICATIONS OF APPROVED HERBICIDE TO EXISTING TURF GRASS AREAS WHERE IT WILL BECOME A PLANTED OR MULCHED AREAS AS A RESULT OF THIS PROJECT. HERBICIDE MUST BE APPLIED BEFORE COMMENCING ANY GRADING OPERATIONS. CONTRACTOR SHALL REVIEW KILL AREA WITH LANDSCAPE ARCHITECT FOR APPROVAL. ALL HERBICIDES MUST BE APPLIED BY LICENSED APPLICATORS AND PER THE MANUFACTURERS RECOMMENDED RATES AND INSTRUCTIONS.
- ALL PLANTING BEDS ARE TO BE PREPARED AS FOLLOWS :**
 - FOLLOWING HERBICIDE TREATMENT, CONTRACTOR TO DE-COMPACT SOILS IN PLANTING AREAS BY ROTO-TILLING, DISKING, OR RIPPING TO A DEPTH OF 6"-8" MINIMUM AND TO A DEPTH OF 12-18" WHERE HEAVILY COMPACTED SOILS ARE NOTICED. PREVIOUSLY HARDSCAPED AREAS OF THE SITE MAY REQUIRE REMOVAL OF THE COMPACTED SOILS TO A DEPTH OF 18" AND REPLACED WITH TOPSOIL.
 - REMOVE STONES LARGER THAN 1" IN ANY DIMENSION AND STICKS,ROOTS, RUBBISH, AND OTHER EXTRANEIOUS MATTER, AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
 - MULTIPLE PASSES ARE REQUIRED WHEN PERFORMING SOIL DE-COMPACT AND WHEN POSSIBLE AT VARYING ANGLES TO ENSURE ADEQUATE COVERAGE. WHEN USING DISC OR RIPPING EQUIPMENT IT IS REQUIRED TO USE A ROTO-TILLER AS A FINAL PASS TO BREAK-DOWN LARGE CLUMPS
 - AFTER DE-COMPACT SOIL AMENDMENTS SHALL BE ADDED
 - SPREAD COMPOST AT A MINIMUM DEPTH OF 6" AND TILL WITH LOOSENEED SUBGRADE , MIXING THOROUGHLY.
 - GRADE PLANTING BEDS TO A SMOOTH, UNIFORM SURFACE PLANE WITH UNCOMPACTED AND UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
 - EDGE BEDS 3 - 4" DEEP. NOTIFY LANDSCAPE ARCHITECT IF SUBSOIL CONDITIONS SHOW EVIDENCE OF UNEXPECTED WATER SEEPAGE OR RETENTION IN TREE OR SHRUB PITS.
 - ALL BED PREPARATION AND COMPLETION IS SUBJECT TO LANDSCAPE ARCHITECT APPROVAL. ALL BEDS IN OPEN LAWN SHALL POSITIVELY DRAIN TO LAWN. ALL BEDS ADJACENT TO BUILDINGS AND STRUCTURES SHALL DRAIN AWAY FROM SUCH STRUCTURES.
 - COMPOST SHALL BE WELL-ROTTED MANURE AND WEED-FREE ORGANIC MATTER, pH OF 8.5; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH ONE INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISIEMENS; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS; ORGANIC CONTENT 42.3%; 1.29-.28-.91 DRY BASIS; PASSES REDUCTION TESTING; CLASS A COMPOST- STABLE; GERMINATION AND EMERGENCE TESTING AT 100%.
 - TOPSOIL SHALL BE ASTM D 5268, pH RANGE OF 5.5 TO 7, A MINIMUM OF 40 PERCENT ORGANIC MATERIAL CONTENT; FREE OF STONES 1 INCH OR LARGER IN ANY DIMENSION AND OTHER EXTRANEIOUS MATERIALS HARMFUL TO PLANT GROWTH.
 - AMENDED TOPSOIL IS A MIXTURE OF ONE PART SOIL FROM THE PLANTING HOLE AND ONE PART APPROVED ORGANIC MATTER

WARRANTY NOTES:

- CONTRACTOR SHALL WARRANT PLANTS AND TREES FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION. REPLACE DEAD MATERIALS AND MATERIALS NOT IN VIGOROUS, THRIVING CONDITION AS SOON AS WEATHER PERMITS AND ON NOTIFICATION BY OWNERS REP. REPLACE PLANTS, INCLUDING TREES WHICH IN THE OPINION OF THE OWNERS REP HAVE PARTIALLY DIED THEREBY DAMAGING SHAPE, SIZE, OR SYMMETRY.
- REPLACE PLANTS AND TREES WITH SAME KIND AND SIZE AS ORIGINALLY PLANTED, AT NO COST TO OWNER, PROVIDE ONE-YEAR WARRANTY ON REPLACEMENT PLANTS. THESE SHOULD BE REPLACED AT START OF NEXT PLANTING OR DIGGING SEASON. IN SUCH CASES, REMOVE DEAD TREES IMMEDIATELY. PROTECT ALL UTILITIES OR OTHER WORK DURING REPLACEMENT.
- WARRANTY EXCLUDES REPLACEMENT OF PLANTS AFTER FINAL ACCEPTANCE BECAUSE OF INJURY BY STORM, DROUGHT, DROWNING, HAIL, FREEZE, INSECTS, OR DISEASES.
- AT THE END OF THE WARRANTY PERIOD, STAKING AND GUYING MATERIALS SHALL BE REMOVED FROM THE SITE.

MAINTENANCE NOTES:

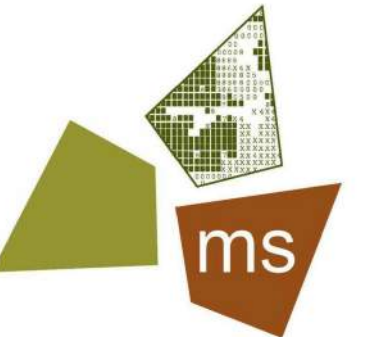
- DO NOT DISTURB THE AREA BEYOND THE CONSTRUCTION LIMITS. REPLACE TREES, SHRUBS, OR VEGETATED AREAS DAMAGED BY CONSTRUCTION OPERATIONS AS DIRECTED BY OWNER AND AT NO COST TO THE OWNER.
- EXISTING PLANT MATERIALS WITHIN THE CONSTRUCTION LIMITS DURING CONSTRUCTION SHALL NOT BE ALLOWED TO DETERIORATE AND SHALL BE MAINTAINED IN A HEALTHY AND VIGOROUS CONDITION DURING THE COURSE OF CONSTRUCTION AND MAINTENANCE PERIOD. CONTRACTOR SHALL PROVIDE LANDSCAPE MAINTENANCE AND POLICING WITHIN CONSTRUCTION LIMITS AS SHOWN ON SHEET L602 DURING THE CONSTRUCTION PERIOD. IF WORK LIMITS ARE ADJUSTED OR OTHERWISE DESIGNATED OUTSIDE THE SHOWN LIMITS, THE CONTRACTOR SHALL MAINTAIN SUCH AREAS IN THE SAME MANNER AS DESCRIBED. REFER TO SPECIFICATIONS SECTION 320190, *OPERATION AND MAINTENANCE OF LANDSCAPE*. POLICING INCLUDES REMOVAL OF LEAVES, BRANCHES, AND FALLEN LIMBS REGARDLESS OF LENGTH OR DIAMETER, DEAD VEGETATION, PAPER, TRASH, CIGARETTE BUTTS, GARBAGE, OR OTHER DEBRIS.
- UNTIL FINAL ACCEPTANCE, MAINTAIN ALL PLANTINGS AND TREES AS DESCRIBED WITHIN SPECIFICATIONS TO KEEP LANDSCAPE IN VIGOROUS, HEALTHY CONDITION AND RAKE BED AREAS AS REQUIRED.
- WATER MAY NOT BE AVAILABLE ON SITE. PROVIDE NECESSARY HOSES AND OTHER WATERING EQUIPMENT REQUIRED TO COMPLETE WORK.
- A WRITTEN REQUEST FOR FINAL INSPECTION AND ACCEPTANCE SHOULD BE SUBMITTED TO OWNERS REP SEVEN DAYS PRIOR TO COMPLETION. AT THAT TIME OWNERS REP. WILL PREPARE A FINAL PUNCHLIST TO BE REVIEWED WITH LANDSCAPE CONTRACTOR. WHEN SUCH PROJECT IS DEEMED COMPLETE BY OWNERS REP, AN ON-SITE INSPECTION BY OWNERS REP, LANDSCAPE ARCHITECT, AND LANDSCAPE CONTRACTOR WILL BE COMPLETED PRIOR TO WRITTEN ACCEPTANCE.
- FOLLOWING ACCEPTANCE, MAINTENANCE OF PLANT MATERIAL WILL BECOME THE OWNER'S RESPONSIBILITY. THE CONTRACTOR SHALL PROVIDE OWNER WITH A RECOMMENDED MAINTENANCE PROGRAM.
- THE LANDSCAPE CONTRACTOR SHALL SUBMIT PRICING FOR A THREE (3) YEAR MAINTENANCE TERM AS AN ALTERNATE LINE ITEM FOR CONSIDERATION BY THE OWNER. THE THREE YEAR MAINTENANCE TERM SHALL BEGIN UPON FINAL ACCEPTANCE OF ALL PROPOSED LANDSCAPING. THE EXTENDED MAINTENANCE TERM SHALL BE CARRIED OUT IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND IS TO INCLUDE ALL ITEMS AS SHOWN AND DESCRIBED ON SHEET L602.

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PROJECT
ODOT WASHINGTON REST AREA

I-77
Marietta, Ohio 45750
Washington County

PROJECT NO. 64-12A23

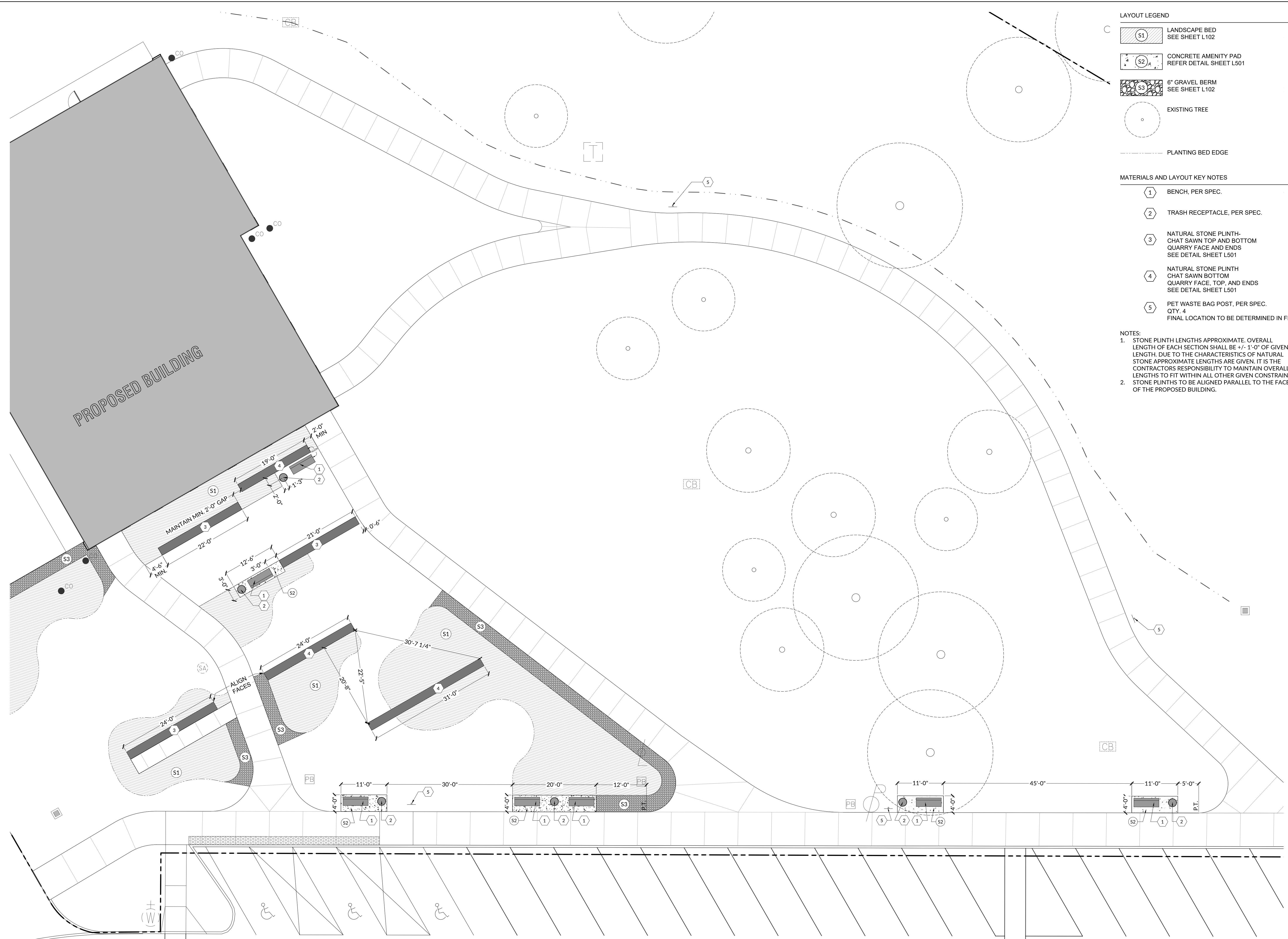
SHEET TITLE

GENERAL LANDSCAPE NOTES

SHEET

L002

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- LAYOUT LEGEND**
- S1 LANDSCAPE BED SEE SHEET L102
 - S2 CONCRETE AMENITY PAD REFER DETAIL SHEET L501
 - S3 6" GRAVEL BERM SEE SHEET L102
 - EXISTING TREE
 - PLANTING BED EDGE
- MATERIALS AND LAYOUT KEY NOTES**
- BENCH, PER SPEC.
 - TRASH RECEPTACLE, PER SPEC.
 - NATURAL STONE PLINTH-CHAT SAWN TOP AND BOTTOM QUARRY FACE AND ENDS SEE DETAIL SHEET L501
 - NATURAL STONE PLINTH-CHAT SAWN BOTTOM QUARRY FACE, TOP, AND ENDS SEE DETAIL SHEET L501
 - PET WASTE BAG POST, PER SPEC. QTY. 4 FINAL LOCATION TO BE DETERMINED IN FIELD

NOTES:

- STONE PLINTH LENGTHS APPROXIMATE. OVERALL LENGTH OF EACH SECTION SHALL BE +/- 1'-0" OF GIVEN LENGTH. DUE TO THE CHARACTERISTICS OF NATURAL STONE APPROXIMATE LENGTHS ARE GIVEN. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN OVERALL LENGTHS TO FIT WITHIN ALL OTHER GIVEN CONSTRAINTS.
- STONE PLINTHS TO BE ALIGNED PARALLEL TO THE FACE OF THE PROPOSED BUILDING.

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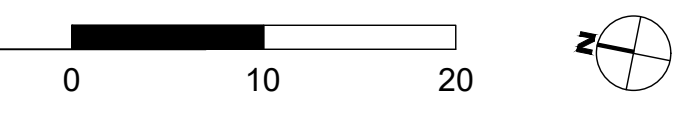


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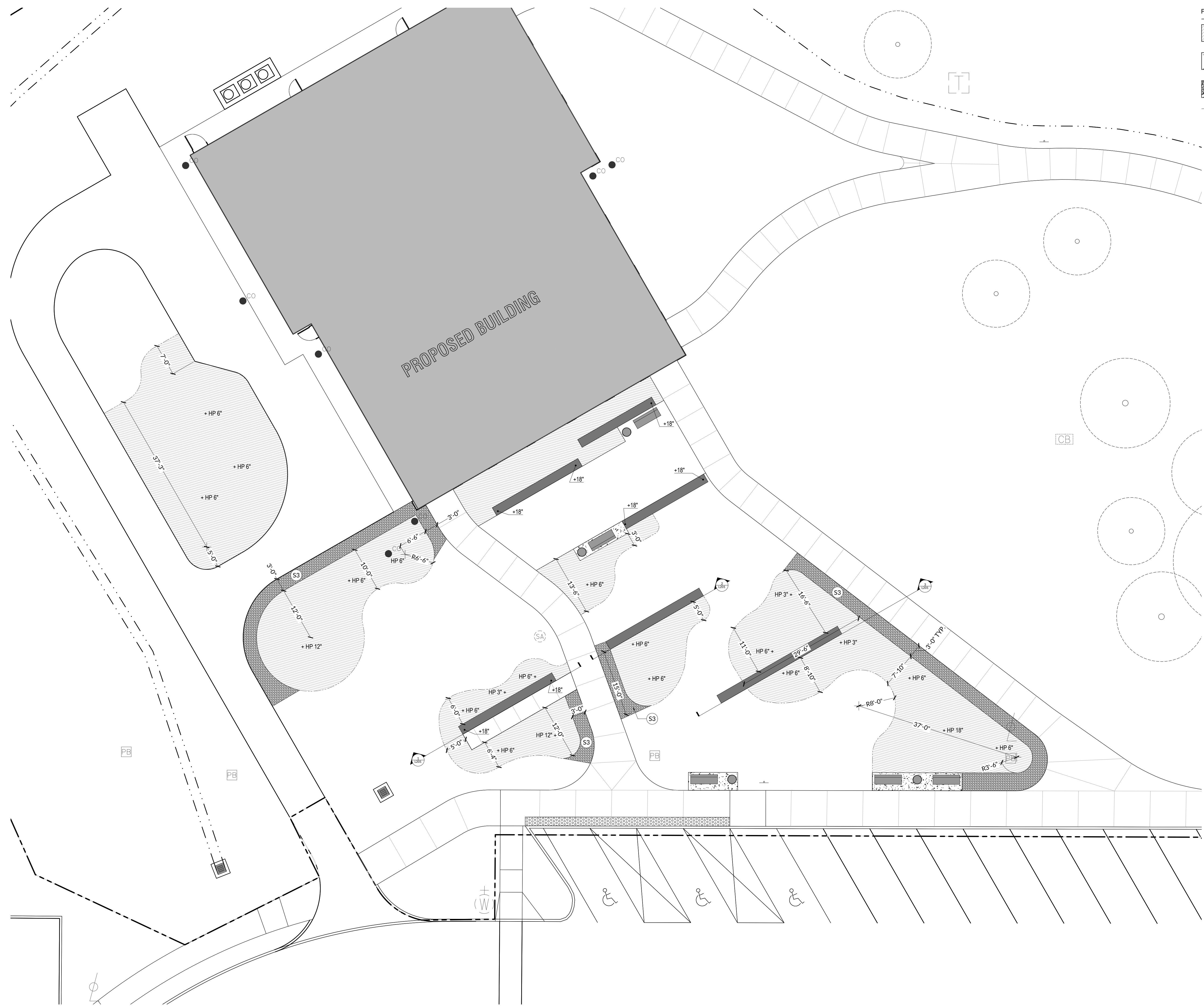
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1 MATERIALS LAYOUT
 SCALE: 1" = 10'-0" 2021-03-WASHINGTONRESTAREA-L100_PLANLAYOUTS.DWG



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FINE GRADING LEGEND

	LANDSCAPE BED REFER DETAIL SHEET L502
	CONCRETE AMENITY PAD SEE SHEET L101
	6" GRAVEL BERM REFER DETAIL SHEET L501
	PLANTING BED EDGE
+HP X"	HP - HIGH POINT, RELATIVE TO ADJACENT LAWN. SEE DETAIL SHEET L502
+18"	TOP OF WALL ELEVATION IN REFERENCE TO ADJACENT HARD SURFACE.

NOTES:
 1. PLANTING BED DIMENSIONS ARE APPROXIMATE FOR PURPOSES OF FIELD LAYOUT. ALL PLANTING BEDS SHALL BE LAID OUT WITH STAKES OR MARKING PAINT AND APPROVED IN FIELD WITH LANDSCAPE ARCHITECT.

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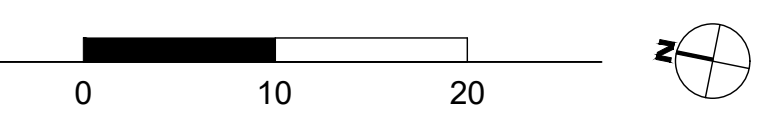
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1 PLANTING BED LAYOUT AND FINE GRADING
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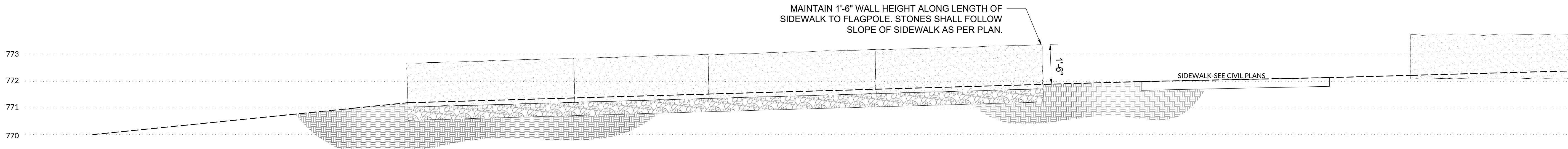
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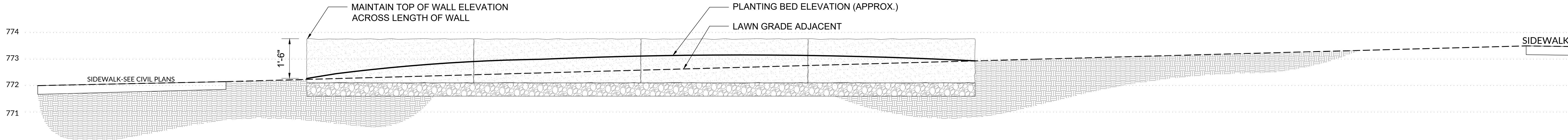
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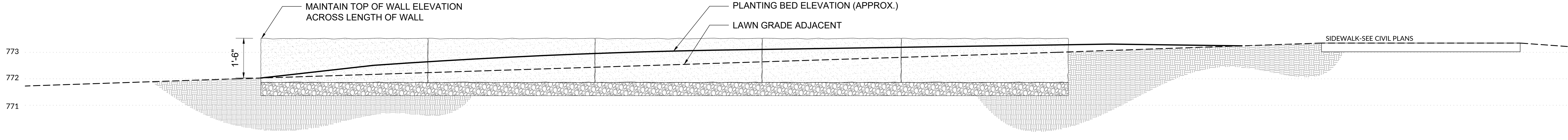
1 STONE PLINTHS AT FLAGPOLE
SCALE: 6" = 1'-0" 2021-03-WASHINGTONRESTAREA-L200_SECTIONS.DWG

SECTION



2 STONE PLINTHS SOUTH OF FLAGPOLE
SCALE: 6" = 1'-0" 2021-03-WASHINGTONRESTAREA-L200_SECTIONS.DWG

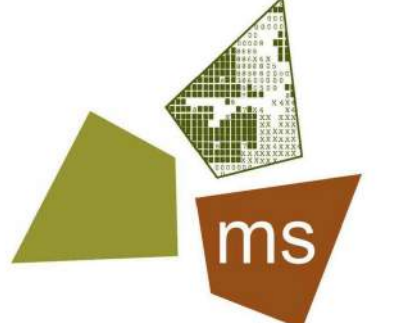
SECTION



3 STONE PLINTHS SOUTH LAWN
SCALE: 6" = 1'-0" 2021-03-WASHINGTONRESTAREA-L200_SECTIONS.DWG

SECTION

NOTES:
1. SECTION-ELEVATIONS PROVIDED AS REFERENCE IN RELATION TO ADJACENT LAWN. REFER TO DETAILS SHEET L501 FOR SPECIFICS REGARDING STONE AND INSTALLATION.



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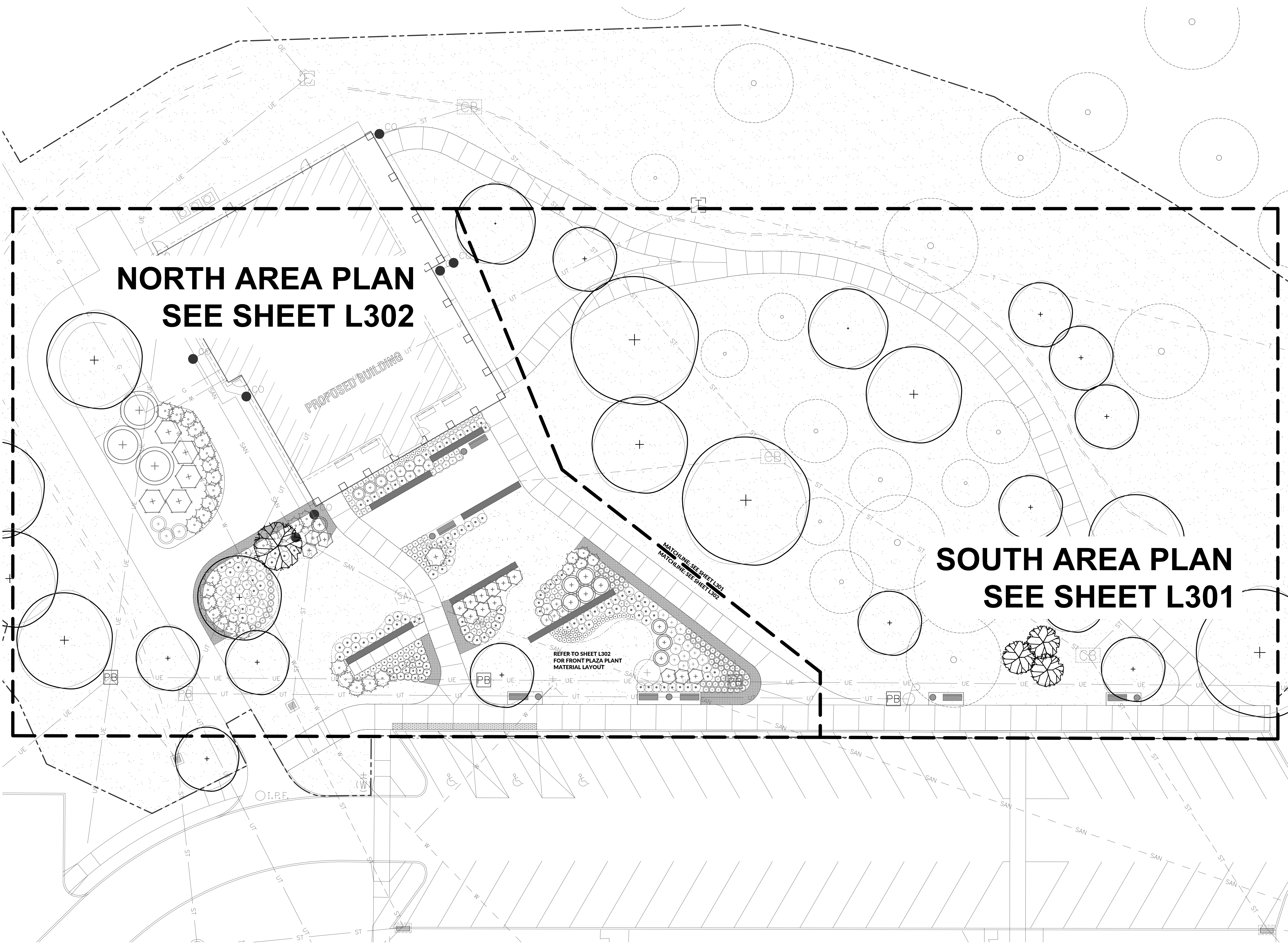
SHEET TITLE

STONE PLINTH SECTION-ELEVATIONS

SHEET

L201

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**NORTH AREA PLAN
SEE SHEET L302**

**SOUTH AREA PLAN
SEE SHEET L301**

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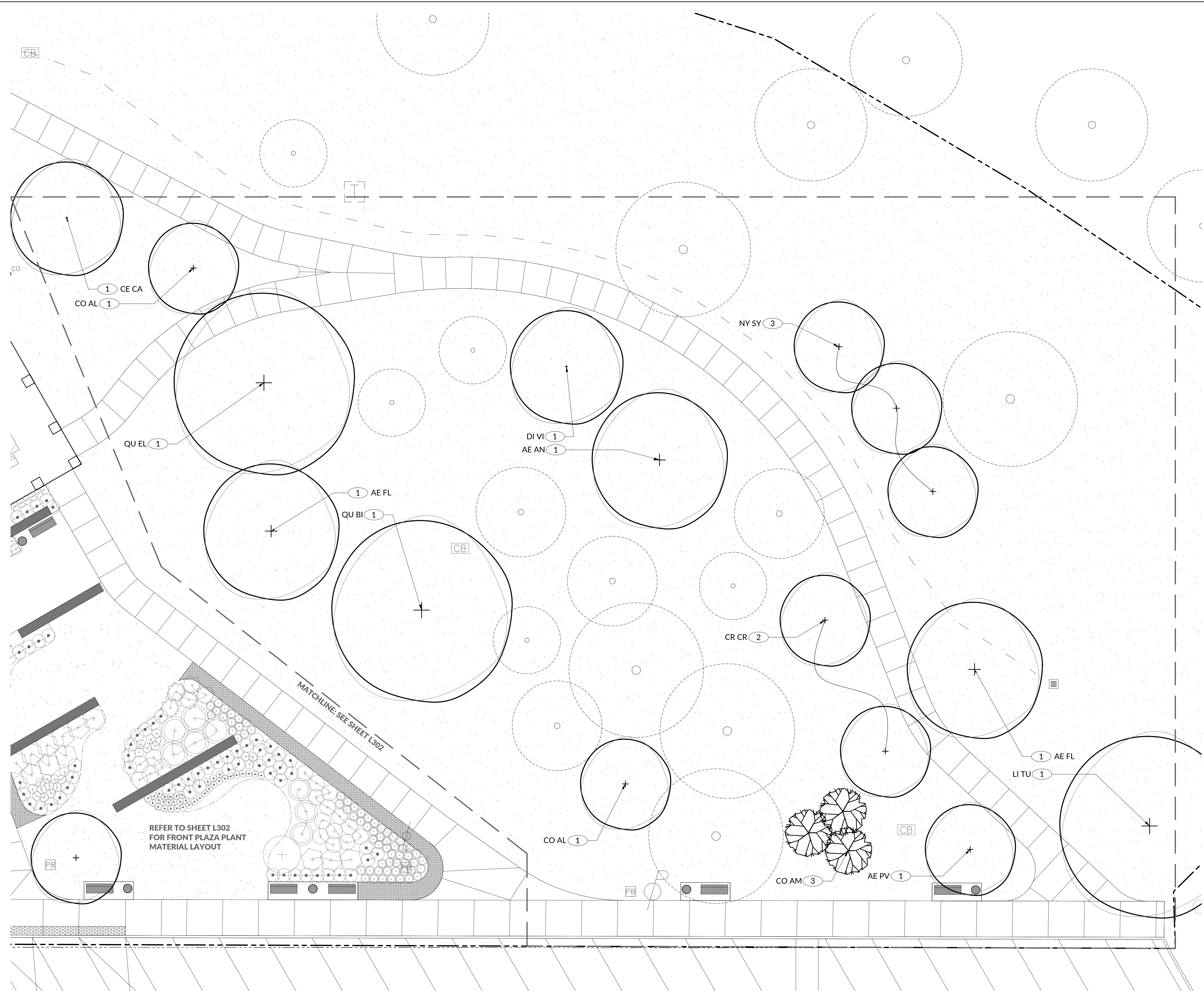


PROJECT
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PROJECT NO.	64-12A23
SHEET TITLE	PLANT LAYOUT - OVERALL
SHEET	L300

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PLANTING LEGEND

- LAWN-REFER TO CIVIL PLANS FOR SEEDING
- EXISTING TREE
- PROPOSED DECIDUOUS TREE
SEE PLANT LIST FOR SPECIES AND SIZE
- PROPOSED ORNAMENTAL DECIDUOUS TREE
SEE PLANT LIST FOR SPECIES AND SIZE
- DECIDUOUS SHRUB AND PERENNIAL
PLANTING AREA
- PLANTING BED EDGE
- PLANT ID - REFERENCE PLANT LIST L601

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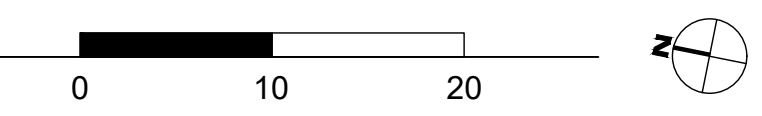
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PROJECT NO. 64-12A23

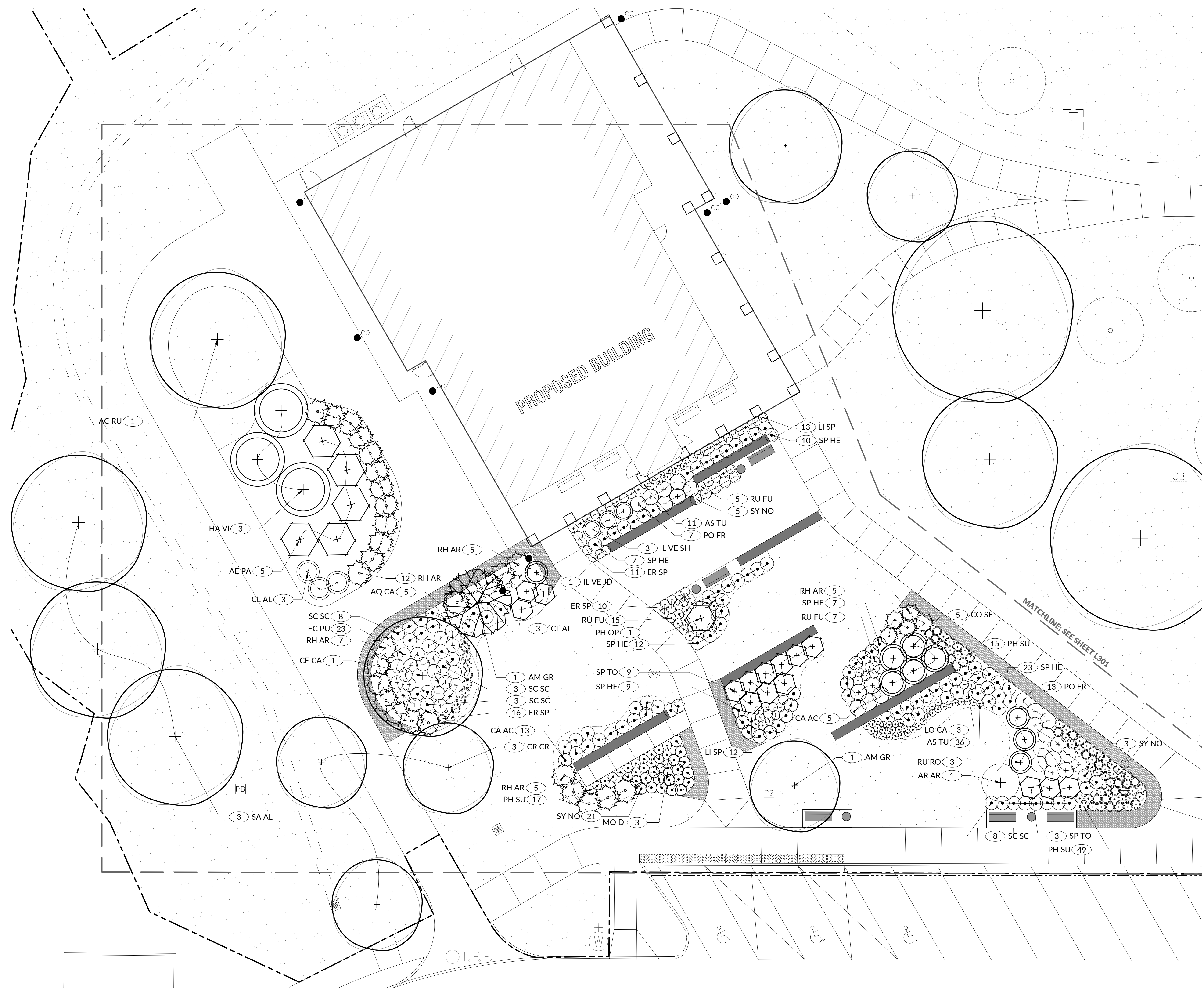
SHEET TITLE
PLANT LAYOUT - SOUTH

SHEET
L301

1 SOUTH SECTION PLANT LAYOUT
SCALE: 1" = 10'-0" 2021-03-WASHINGTONRESTAREA-L300_PLANTING.DWG



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PLANTING LEGEND

- LAWN-REFER TO CIVIL PLANS FOR SEEDING
- EXISTING TREE
- PROPOSED DECIDUOUS TREE
SEE PLANT LIST FOR SPECIES AND SIZE
- PROPOSED ORNAMENTAL DECIDUOUS TREE
SEE PLANT LIST FOR SPECIES AND SIZE
- DECIDUOUS SHRUB AND PERENNIAL PLANTING AREA
- PLANTING BED EDGE
- PLANT ID - REFERENCE PLANT LIST L601

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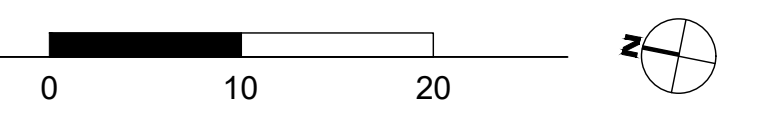
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1 NORTH SECTION PLANT LAYOUT
SCALE: 1" = 10'-0" 2021-03-WASHINGTONRESTAREA-L300_PLANTING.DWG

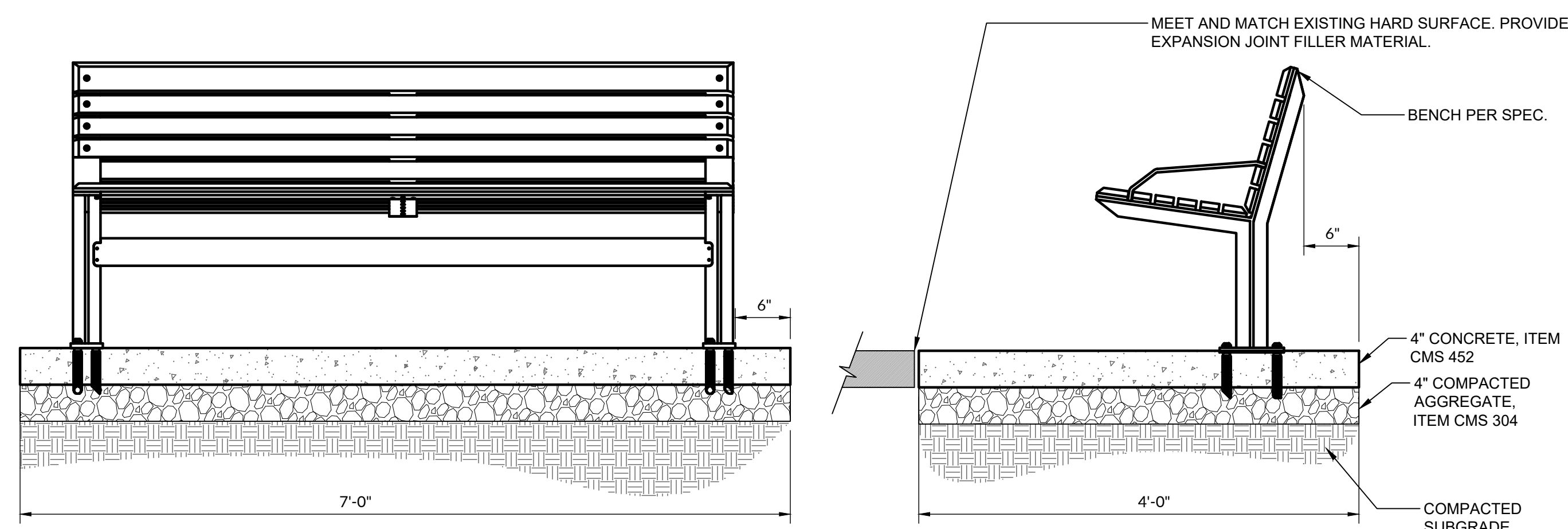


PROJECT NO. 64-12A23

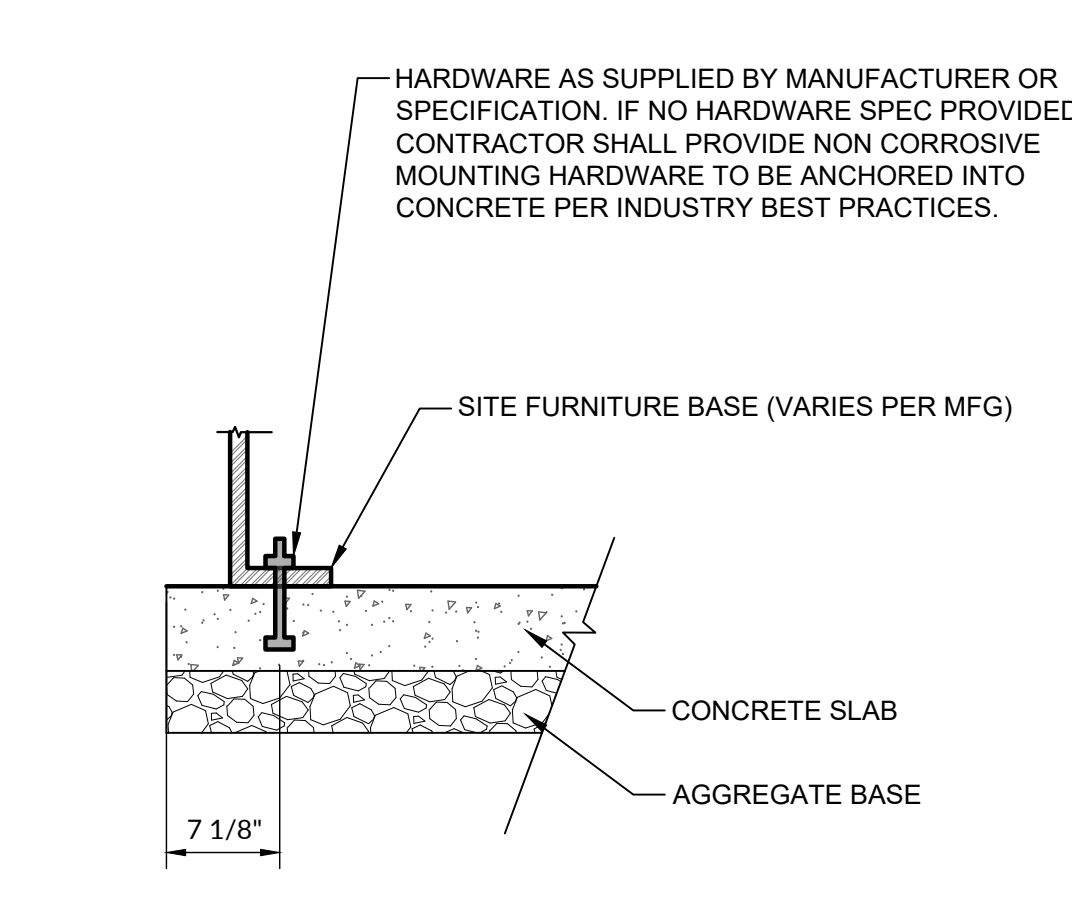
SHEET TITLE PLANT LAYOUT - NORTH

SHEET **L302**

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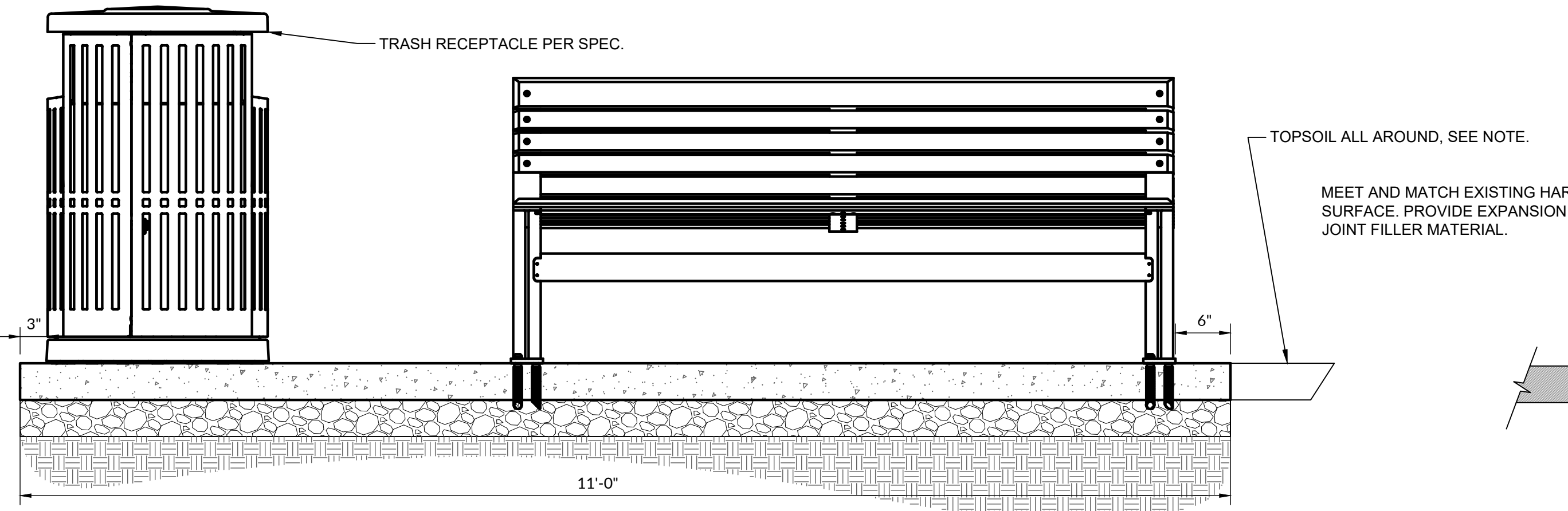
1 BENCH ON CONCRETE PAD
SCALE: 1" = 1'-0"



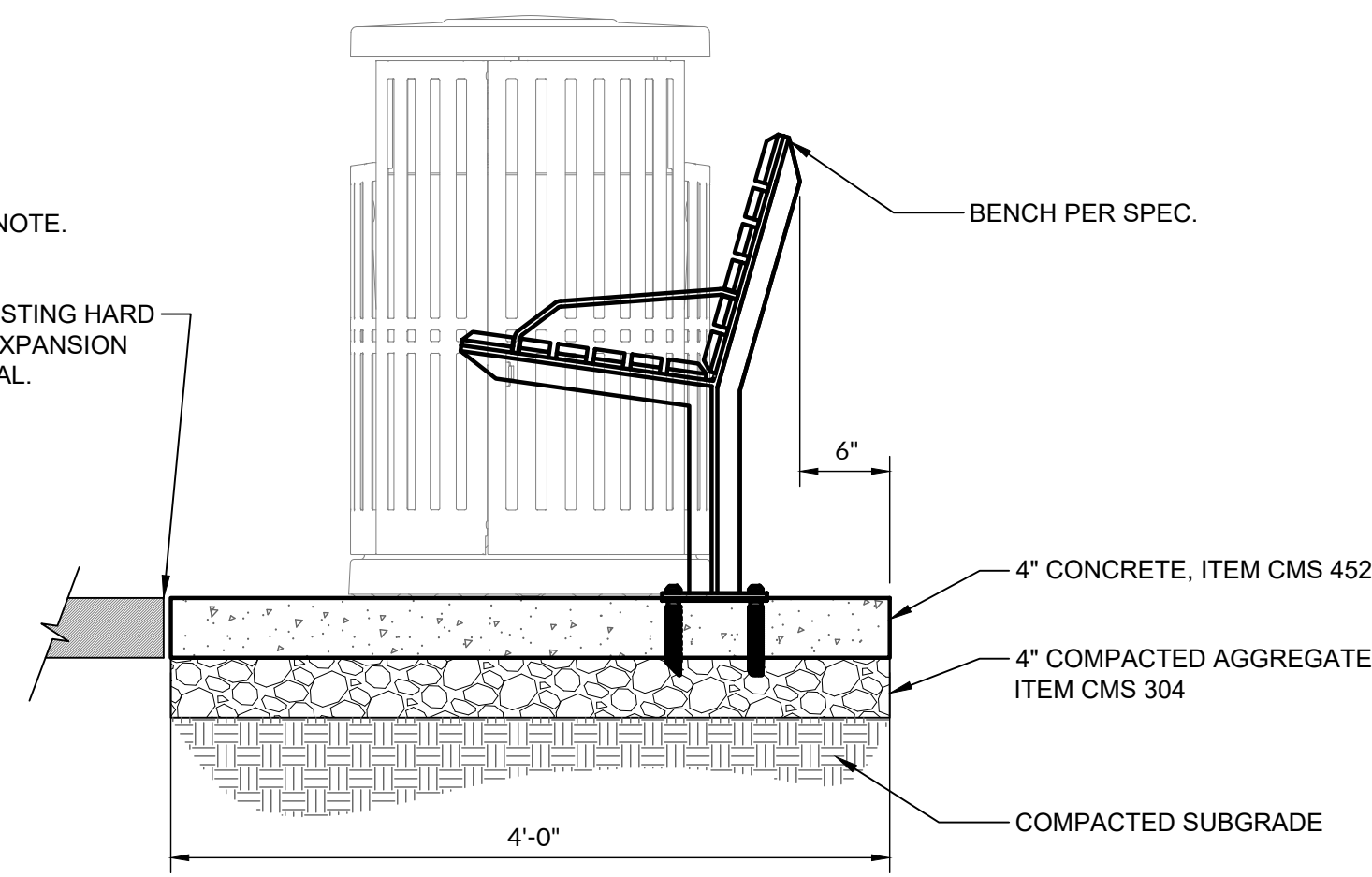
2 TYPICAL FURNITURE MOUNTING
SCALE: 1" = 1'-0"

FURNITURE NOTES:

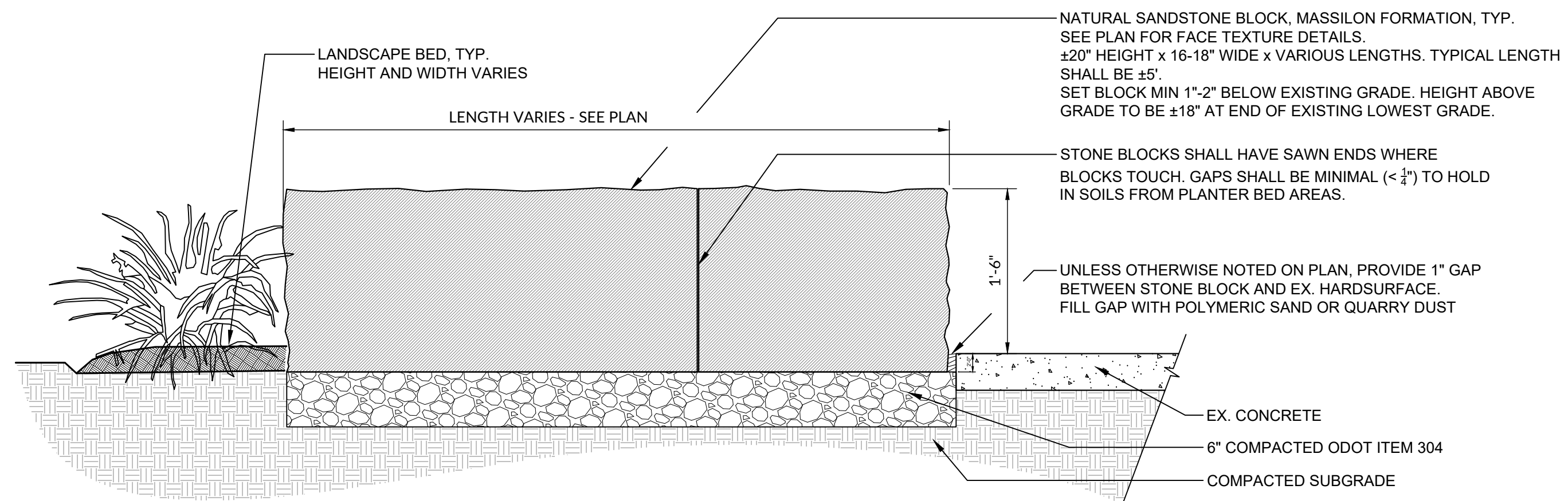
- CONTRACTOR SHALL ASSURE THAT ALL FASTENERS ARE TIGHT. PROTRUDING BOLTS ARE TRIMMED FLUSH AND PEENED, FILING SMOOTH ANY RESULTANT SHARP METAL EDGES OF ALL SITE FURNITURE AND SITE AMENITIES.
- ADD MIN. 4" TOPSOIL, FINE GRADE, AND SEED AT ALL PAD EDGES THAT MEET LAWN. REMOVE ALL STONE, EXCESS CONCRETE, AND ALL DETRITUS FROM PERIMETER OF CONCRETE PAD PRIOR TO FINE GRADING AND SEED. MEET AND MATCH EXISTING LAWN.
- CONCRETE PAD TO MEET AND MATCH EXISTING HARD SURFACE.
- OVERALL SIZE DIMENSIONS ON DETAIL ARE TYPICAL. FURNITURE PADS SHALL BE CONSTRUCTED TO SIZE AS SHOWN ON PLAN.



3 BENCH AND TRASH RECEPTACLE ON CONCRETE PAD
SCALE: 1" = 1'-0"



4 TRASH RECEPTACLE ON CONCRETE PAD
SCALE: 1" = 1'-0"



5 STONE PLINTH, TYP.
SCALE: 1" = 1'-0"

TYPICAL SECTION

6 GRAVEL BERM
SCALE: 1" = 1'-0"

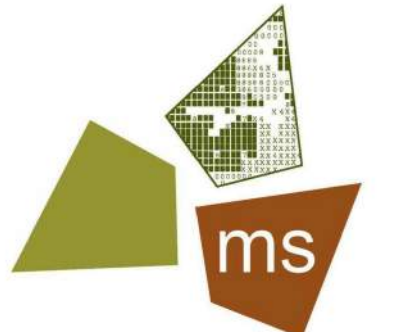
TYPICAL SECTION

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SHEET TITLE

LANDSCAPE SITE DETAILS

SHEET

L501

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PLANT LIST						
QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COND.	SPACING
DECIDUOUS TREES						
1	AC RU	Acer rubrum	Red Maple	2-1/2"	B&B	AS SHOWN
1	AE AN	Aesculus x arnoldiana 'Autumn Splendor'	Autumn Splendor Buckeye	2"	B&B	AS SHOWN
2	AE FL	Aesculus flava	Yellow Buckeye	2"	B&B	AS SHOWN
1	AE PV	Aesculus pavia	Red Buckeye	2"	B&B	AS SHOWN
1	AM GR	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry (Tree Form)	2"	B&B	AS SHOWN
2	CE CA	Cercis canadensis 'Appalachain Red'	Appalachain Red Redbud	1-1/4"	Cont.	AS SHOWN
2	CO AL	Cornus alternifolia	Pagoda Dogwood	4'	B&B	AS SHOWN
5	CR CR	Crataegus crusgalli inermis 'Cruzam'	Crusader Thornless Hawthorn	2-1/2"	B&B	AS SHOWN
1	DI VI	Diospyros virginiana	Common Persimmon	2"	B&B	AS SHOWN
1	LI TU	Liriodendron tulipifera	Tuliptree	2"	B&B	AS SHOWN
3	NY SY	Nyssa sylvatica 'Wildfire'	Wildfire Black Gum	2"	B&B	AS SHOWN
3	SA AL	Sassafras albidum	Common Sassafras	5'	No. 5	AS SHOWN
1	QU BI	Quercus bicolor	Swamp White Oak	4"	B&B	AS SHOWN
1	QU EL	Quercus ellipsoidalis	Northern Pin Oak	2-1/2"	B&B	AS SHOWN
SHRUBS						
5	AE PA	Aesculus parviflora	Bottlebrush Buckeye	4'	No. 5	AS SHOWN
1	AR AR	Aronia arbutifolia 'Brilliantissima'	Brilliant Red Chokeberry	24"	No.3	AS SHOWN
3	CO AM	Cornus amomum	Silky Dogwood	4'	B&B	AS SHOWN
5	CO SE	Cornus sericea 'Isanti'	Isanti Dogwood	36"	B&B	5.5' OC
6	CL AL	Clethra alnifolia 'Ruby Spice'	Summersweet Ruby Spice	30"	No. 5	4' OC
3	HA VI	Hamamelis virginiana	Common Witchhazel	5'	B&B	10' OC
1	IL VE JD	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry Holly	30"	B&B	AS SHOWN
3	IL VE SH	Ilex verticillata 'Shortcake'	Shortcake Winterberry Holly	24"	No. 3	4'
1	PH OP	Physocarpus opufolius 'Summer Wine'	Summer Wine Ninebark	30"	No. 5	AS SHOWN
20	PO FR	Potentilla fruticosa 'Goldfinger'	Goldfinger Potentilla	18"	No. 3	3.5' OC
34	RH AR	Rhus aromatica 'Gro-Lo	Gro-Low Sumac	18"	No.3	4' OC
3	RU RO	Rosa rugosa	Rugosa Roase	24"	No. 3	5' OC
12	SP TO	Spirea tomentosa	Steeplebush	24"	No. 3	4' OC
GRASSES						
27	ER SP	Eragrostis spectabilis	Purple Lovegrass	Clump	No.2	2' OC
18	CA AC	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Reed Grass	Clump	No. 2	3' OC / AS SHOWN
22	SC SC	Schizachyrium scoparium	Little Bluestem	Clump	No.2	2' OC / AS SHOWN
68	SP HE	Sporobolus heterolepis	Prairie Dropseed	Clump	No. 2	2.5' OC
PERENNIALS						
47	AS TU	Asclepias tuberosa	Butterfly Milkweed	Clump	No.2	1.5' OC
5	AQ CA	Aquilegia canadensis	Wild Columbine	Clump	No. 2	AS SHOWN
23	EC PU	Echinacea purpera	Purple Coneflower	Clump	No. 2	2'-3' OC Mixed
25	LI SP	Liatris Spicata	Dense Blazing Star	Clump	No. 2	18" OC
3	LO CA	Lobelia cardinalis	Cardinal Flower	Clump	No.3	AS SHOWN
3	MO DI	Monarda didyma 'Raspberry Wine'	Raspberry Bee Balm	Clump	No. 2	18" OC
81	PH SU	Phlox subulata 'Snowflake'	Snowflake Moss Phlox	Clump	8" Squat	2' OC
27	RU FU	Rudbeckia fulgida "Goldsturm"	Goldstrum Black Eyed Susan	Clump	No.2	2'-2.5' OC
29	SY NO	Symphotrichum novae-angliae 'Purple Dome'	Purple Dome New England Aster	Clump	No.2	AS SHOWN, 2.5'

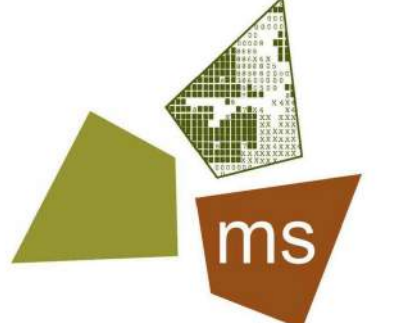
PLANT LIST CONTAINS ESTIMATED QUANTITIES FOR THE CONTRACTORS CONVENIENCE. THE CONTRACTOR SHALL INDEPENDENTLY CONFIRM ALL QUANTITIES FROM THE PLAN SHEETS.

DRAWN BY NJS

CHECKED BY APPROVED BY

ISSUE DATE FEBRUARY 8, 2021

REVISION		
#	DATE	DESCRIPTION
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PROJECT
ODOT WASHINGTON REST AREA
I-77 Marietta, Ohio 45750 Washington County

PROJECT NO. 64-12A23

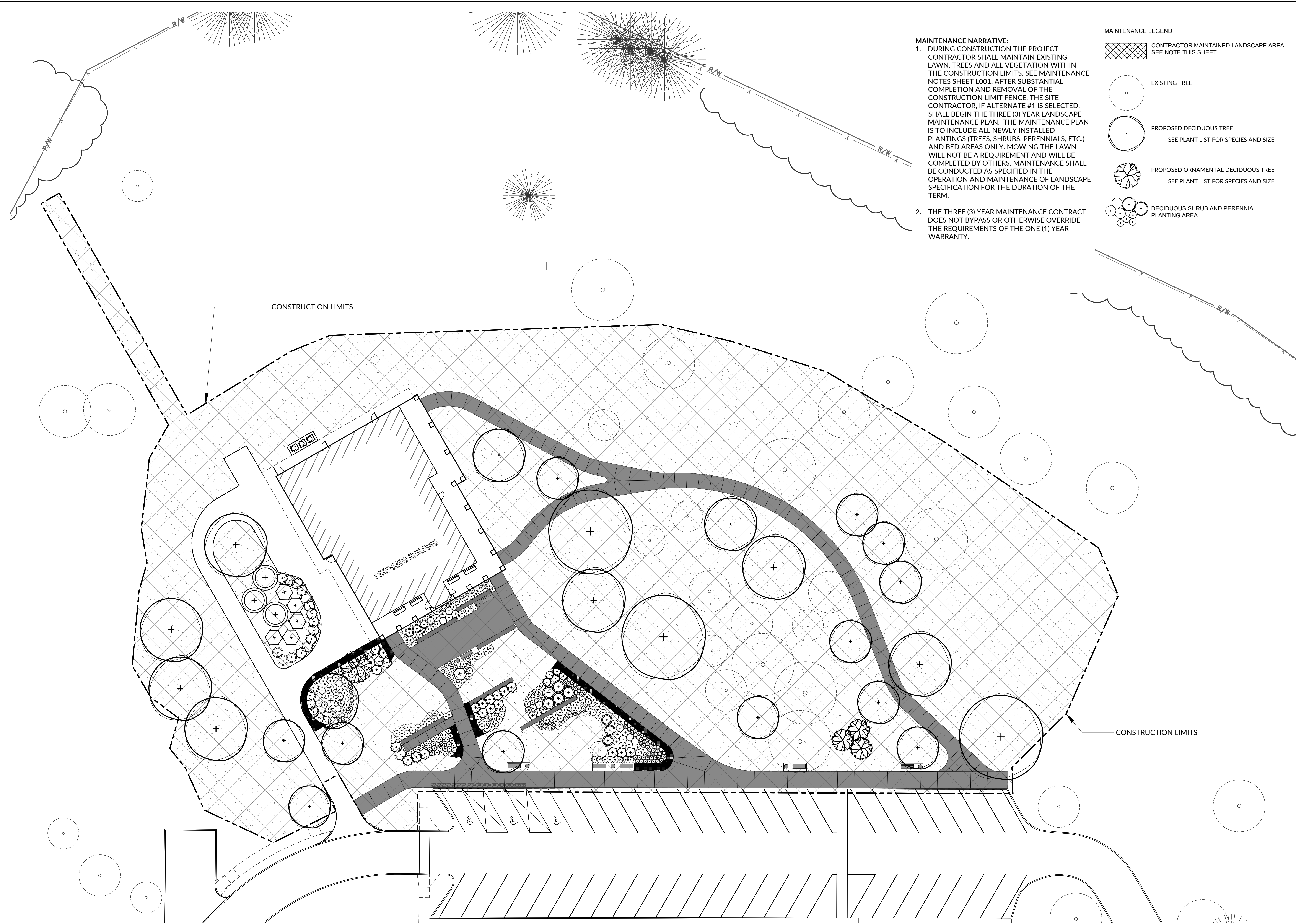
SHEET TITLE

PLANT SCHEDULE

SHEET

L601

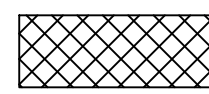
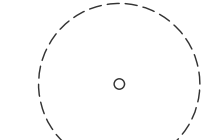
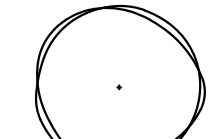
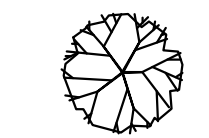
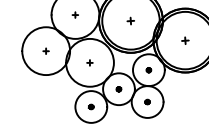
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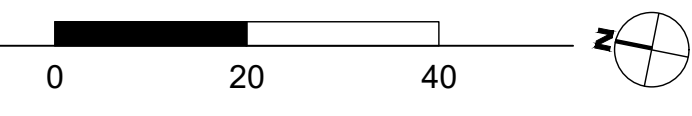
MAINTENANCE NARRATIVE:

- DURING CONSTRUCTION THE PROJECT CONTRACTOR SHALL MAINTAIN EXISTING LAWN, TREES AND ALL VEGETATION WITHIN THE CONSTRUCTION LIMITS. SEE MAINTENANCE NOTES SHEET L001. AFTER SUBSTANTIAL COMPLETION AND REMOVAL OF THE CONSTRUCTION LIMIT FENCE, THE SITE CONTRACTOR, IF ALTERNATE #1 IS SELECTED, SHALL BEGIN THE THREE (3) YEAR LANDSCAPE MAINTENANCE PLAN. THE MAINTENANCE PLAN IS TO INCLUDE ALL NEWLY INSTALLED PLANTINGS (TREES, SHRUBS, PERENNIALS, ETC.) AND BED AREAS ONLY. MOWING THE LAWN WILL NOT BE A REQUIREMENT AND WILL BE COMPLETED BY OTHERS. MAINTENANCE SHALL BE CONDUCTED AS SPECIFIED IN THE OPERATION AND MAINTENANCE OF LANDSCAPE SPECIFICATION FOR THE DURATION OF THE TERM.
- THE THREE (3) YEAR MAINTENANCE CONTRACT DOES NOT BYPASS OR OTHERWISE OVERRIDE THE REQUIREMENTS OF THE ONE (1) YEAR WARRANTY.

MAINTENANCE LEGEND

	CONTRACTOR MAINTAINED LANDSCAPE AREA. SEE NOTE THIS SHEET.
	EXISTING TREE
	PROPOSED DECIDUOUS TREE SEE PLANT LIST FOR SPECIES AND SIZE
	PROPOSED ORNAMENTAL DECIDUOUS TREE SEE PLANT LIST FOR SPECIES AND SIZE
	DECIDUOUS SHRUB AND PERENNIAL PLANTING AREA

1 LANDSCAPE MAINTENANCE DIAGRAM
SCALE: 1" = 20'-0"



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ISSUE DATE FEBRUARY 8, 2021

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PROJECT
ODOT WASHINGTON REST AREA
I-77
Marietta, Ohio 45750
Washington County

PROJECT NO. 64-12A23

SHEET TITLE MAINTENANCE PLAN

SHEET L602

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DESIGN CRITERIA NOTES

REFERENCED DESIGN CODE:
OHIO BUILDING CODE (2017)

ENVIRONMENTAL LOADS:
MINIMUM FROST DEPTH (FIN. GRADE TO BOTTOM OF FOOTING) = 36 IN.
ROOF SNOW LOAD:
GROUND SNOW LOAD, PG = 20 PSF
FLAT ROOF SNOW LOAD, PF = 20 PSF
SNOW EXPOSURE FACTOR, CE = 1.0
SNOW LOAD IMPORTANCE FACTOR, IS = 1.0
THERMAL FACTOR, CT = 1.1

WIND LOAD:
BASIC WIND SPEED (3 SECOND GUST) = 115 MPH
WIND IMPORTANCE FACTOR, IW = 1.0
OCCUPANCY CATEGORY = II
WIND EXPOSURE = C
INTERNAL PRESSURE COEFFICIENT = +/- 0.18
COMPONENT AND CLADDING TO BE USED FOR ALL ITEMS NOT SPECIFICALLY DESIGNED BY ENGINEER OF RECORD =
ROOFS = +20 PSF / -45 PSF
WALLS = +20 PSF / -24 PSF

EARTHQUAKE LOAD:
SEISMIC IMPORTANCE FACTOR, IE = 1.0
MAPPED SPECTRAL ACCELERATION, SS = 0.174
S1 = 0.058
SITE CLASS = D (ASSUMED)
DESIGN SPECTRAL ACCELERATION: SDS = 0.185
SD1 = 0.093
SEISMIC DESIGN CATEGORY = B
BASIC SEISMIC-FORCE-RESISTING SYSTEM (RESPONSE MODIFICATION FACTOR) =
[Reference: ASCE 7-05 Table 12.2-1]
A13 LIGHT FRAMED WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE (R=6.5)
A14 LIGHT FRAMED WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS (R=2.0)
SEISMIC RESPONSE COEFFICIENT, CS = 0.029
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE

SPECIAL LOADS:
SEE PLAN FOR SPECIAL LOADING CONDITIONS

DESIGN UNIFORM LOADS:
DEAD LOAD REFER TO DEAD LOAD TABULATION TABLES
ROOF LIVE LOAD: 20 PSF (MINIMUM PER OBC SECTION 1607.11.2)
UNIFORM FLOOR LIVE LOAD (CONCENTRATED LOAD):

- REFER TO OBC 1607.4 FOR CONCENTRATED LOAD APPLICATION AREA
- MINIMUM CONCENTRATED LOAD NOTED IN BRACKETS BELOW []
- LIVE LOAD REDUCTION - **NOT USED** FOR COLUMNS AND FOOTINGS PER 1607.9

LIGHT COMMERCIAL			
MINIMUM FLOOR LIVE LOAD, U.N.O.	100 PSF		
CORRIDORS, FIRST FLOOR	100 PSF	[2000 LBS]	
STORAGE, LIGHT	125 PSF		
MECHANICAL	150 PSF		
LOBBIES	100 PSF	[2000 LBS]	

FOUNDATION DESIGN BEARING PRESSURE = **3000 PSF**
SOIL DESIGN BEARING PRESSURE IS BASED THE GEOTECHNICAL REPORT PREPARED BY GEOTECHNICAL CONSULTANTS, INC., REPORT NUMBER 20-G-24707, DATED MARCH 1, 2021.

GENERAL STRUCTURAL NOTES

- GENERAL (ALL TRADES)
- IN ACCORDANCE WITH SECTION 1704 OF THE OHIO BUILDING CODE, SPECIAL INSPECTIONS WILL BE REQUIRED FOR THIS PROJECT. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE 'SPECIAL INSPECTION REQUIREMENTS' SCHEDULE. ALL FABRICATORS SHALL SATISFY THE 'EXCEPTION' NOTED IN SECTION 1704 WHICH REQUIRES THE FABRICATOR TO MAINTAIN AN AGREEMENT WITH AN APPROVED INDEPENDENT INSPECTION OR QUALITY CONTROL AGENCY. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY CONDITIONS SUBSTANTIALLY DIFFERENT THAN THOSE SHOWN TO THE ENGINEER.
 - STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER DISCIPLINES. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
 - THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK.

SPECIAL INSPECTION REQUIREMENTS

- The OWNER shall employ one or more special inspectors to provide inspections during construction on the types of work itemized below. These inspections are in addition to the inspections identified in Section 110.
- Only the required STRUCTURAL Special Inspections have been listed on this sheet. Please refer to architectural drawings and/or specifications for required non-structural Special Inspections, if applicable. (i.e. Fire Resistant Materials and Coatings, EIFS, Smoke Control Systems)
- Fabricator approval (OBC 1704.2.2) - Special Inspections required by OBC Section 1704 are not required where the work is done on the premises of a fabricator registered and approved to perform such work without special inspection. Approval shall be based upon review of the fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved special inspection agency. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building official stating that the work was performed in accordance with the approved construction documents.
- The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.
- A list of approved testing and inspection agencies can be found in Appendix 'O' of the current Ohio Building Code. Upon request, the engineer can provide a list of local agencies providing these services.
- Numbered and lowercase lettered inspections indicate referenced OBC requirements
- Some numbered or lettered special inspection items may not be listed. These items are not required on this project.
- Additional information regarding inspections and tests may be found in the project specifications, on the drawings, and in the building code and referenced standards. The contractor and special inspector shall review all documents to determine the special inspections and testing necessary for this project.
- The Special Inspections table and other contract documents indicate the special inspections anticipated at the time the documents were approved by the Building Official. Changes in scope, materials, or unanticipated existing conditions may require additional inspections.
- Special inspection and site observation personnel are not responsible for job site safety or means and methods of construction unless noted specifically in the contract.
- CONTINUOUS INSPECTION: Inspector shall be on site during the entire process of the work being inspected.

GEOTECHNICAL (Section 1705.6)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	OBC REFERENCE	REMARKS
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		●	Section 1705.6 and TABLE 1705.6	During fill placement, the Special Inspector shall determine that proper materials and procedures are used in accordance with the provisions of the contract documents.
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		●		
3. PERFORM CLASSIFICATIONS AND TESTING OF COMPACTED FILL MATERIALS		●		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	●		Section 1803	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		●		

CONCRETE CONSTRUCTION

* Reference to ACI 318 shall refer to the 2008 edition

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCE STANDARD*	OBC REFERENCE	REMARKS
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT		●	ACI 318: 3.5, 7.1-7.7	1913.4	Confirm size and spacing of bars. Tolerances and reinforcing placement per ACI 7.5; spacing limits for reinforcing ACI 7.6
3. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE	●		ACI318: 8.1.3, 21.1.8	1911.5, 1912.1	
4. INSPECTION OF POST-INSTALLED ANCHORS		●	ACI318: 3.8.6, 8.1.3, 21.1.8	1912.1	
5. VERIFY USE OF REQUIRED DESIGN MIX		●	ACI318: Ch.4, 5.2-5.4	1904.3, 1913.2, 1913.3	Tests and submittals per specifications
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	●		ASTM C172, ASTM C31, ACI318: 5.6, 5.8	1913.10	Tests and submittals per specifications
7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	●		ACI318: 5.9.5.10	1913.6, 1913.7, 1913.8	Confirm placement conforms to ACI 301
8. INSPECT FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES		●	ACI318: 5.11-5.13	1913.9	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		●	ACI318: 6.1.1	--	Forms shall result in a final structure that conforms to shape lines, and dimensions of the members as required by the contract documents.

MASONRY CONSTRUCTION - Level 1

Reference TMS 402 / ACI 530 / ASCE 5 & TMS 602 / ACI 530.1 / ASCE 6 2008 edition LEVEL 1 Inspection Items

STRUCTURAL INSULATED PANELS (SIP)

INSPECTION TYPE	REQUIREMENT
ICC-ESR EVALUATION REPORT	Confirm SIP has published and tested shear wall and diaphragm values in a code approved Evaluation Report
ELEMENT CONDITION	Verify: 1. Surface condition 2. Element temperature
SITE CONDITION	Verify: 1. Ambient temperature 2. Ambient humidity 3. Ventilation 4. Weather protection
PRE-INSTALL	A qualified member of the SIP manufacturer shall lead a pre-install meeting with the manufacturer's certified installer to go over installation procedures and any special installation issues related to the SIP assembly.
FIELD OBSERVATION	A qualified member of the SIP manufacturer shall review the final construction of SIP assemblies and verify conformance with the manufacturers published installation procedures

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CHECKED BY CEM

ISSUE DATE 07/02/21

REVISION		
#	DATE	DESCRIPTION
2.8.21	SD	SUBMISSION
4.7.21	DD	PROGRESS SET
4.21.21	DD	SUBMISSION
6.18.21	CD	PROGRESS
7/2/21	CD	SUBMISSION



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PROJECT
REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45750
WASHINGTON COUNTY

PROFESSIONAL OF RECORD:
Craig E. Metzger No.51417
EXP. DATE: 12/31/21

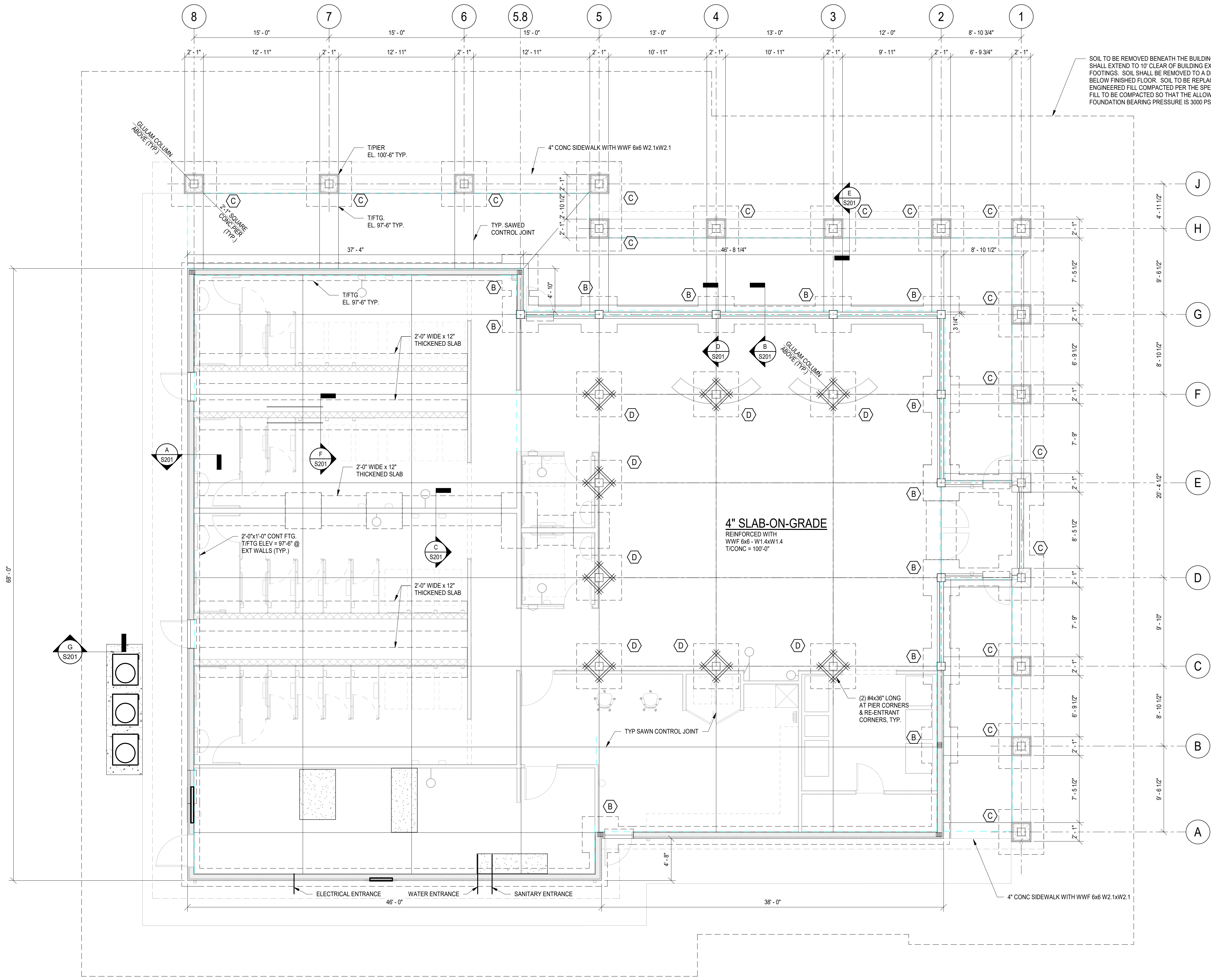
PROJECT NO. 64-12A23-01

SHEET TITLE STRUCTURAL NOTES

SHEET S001

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SEE S001 FOR FOUNDATION NOTES

- MASONRY WALL ABOVE
- SIP PANEL
- CONCRETE

SOIL TO BE REMOVED BENEATH THE BUILDING. REMOVAL SHALL EXTEND TO 10' CLEAR OF BUILDING EXTERIOR FOOTINGS. SOIL SHALL BE REMOVED TO A DEPTH OF 5'-6" BELOW FINISHED FLOOR. SOIL TO BE REPLACED WITH ENGINEERED FILL COMPACTED PER THE SPECIFICATIONS. FILL TO BE COMPACTED SO THAT THE ALLOWABLE FOUNDATION BEARING PRESSURE IS 3000 PSF.

FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	NOTES
A	3'-0"SQ. x 12"	(3) - #5 E.W.	TOP EL. 97'-6"
B	4'-0"SQ. x 12"	(4) - #5 E.W.	TOP EL. 97'-6"
C	5'-0"SQ. x 12"	(5) - #5 E.W.	TOP EL. 97'-6"
D	5'-0"SQ. x 12"	(5) - #5 E.W.	TOP EL. 99'-4"

Footnote: Allowable Soil Bearing Capacity = 3000 PSF

Foundation Plan
3/16" = 1'-0"

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CHECKED BY	CEM	
ISSUE DATE	07/02/21	
REVISION		
#	DATE	DESCRIPTION
2	8.21	SD SUBMISSION
4	7.21	DD PROGRESS SET
4	21.21	DD SUBMISSION
6	18.21	CD PROGRESS
7	2/21	CD SUBMISSION



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PROJECT
REST AREA BUILDING REPLACEMENT
MARIETTA, OHIO 45750
WASHINGTON COUNTY

PROFESSIONAL OF RECORD:
Craig E. Metzger No. 51417
EXP. DATE: 12/31/21

PROJECT NO. 64-12A23-01

SHEET TITLE FOUNDATION PLAN

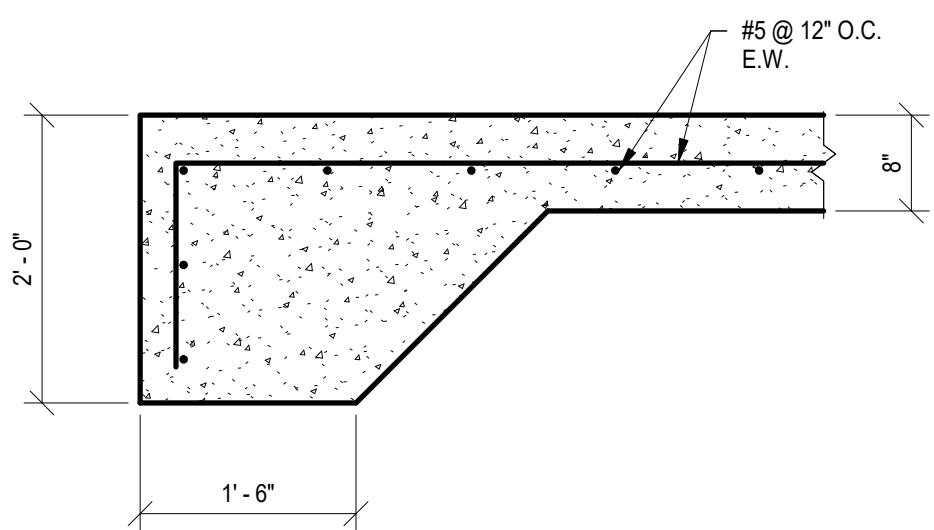
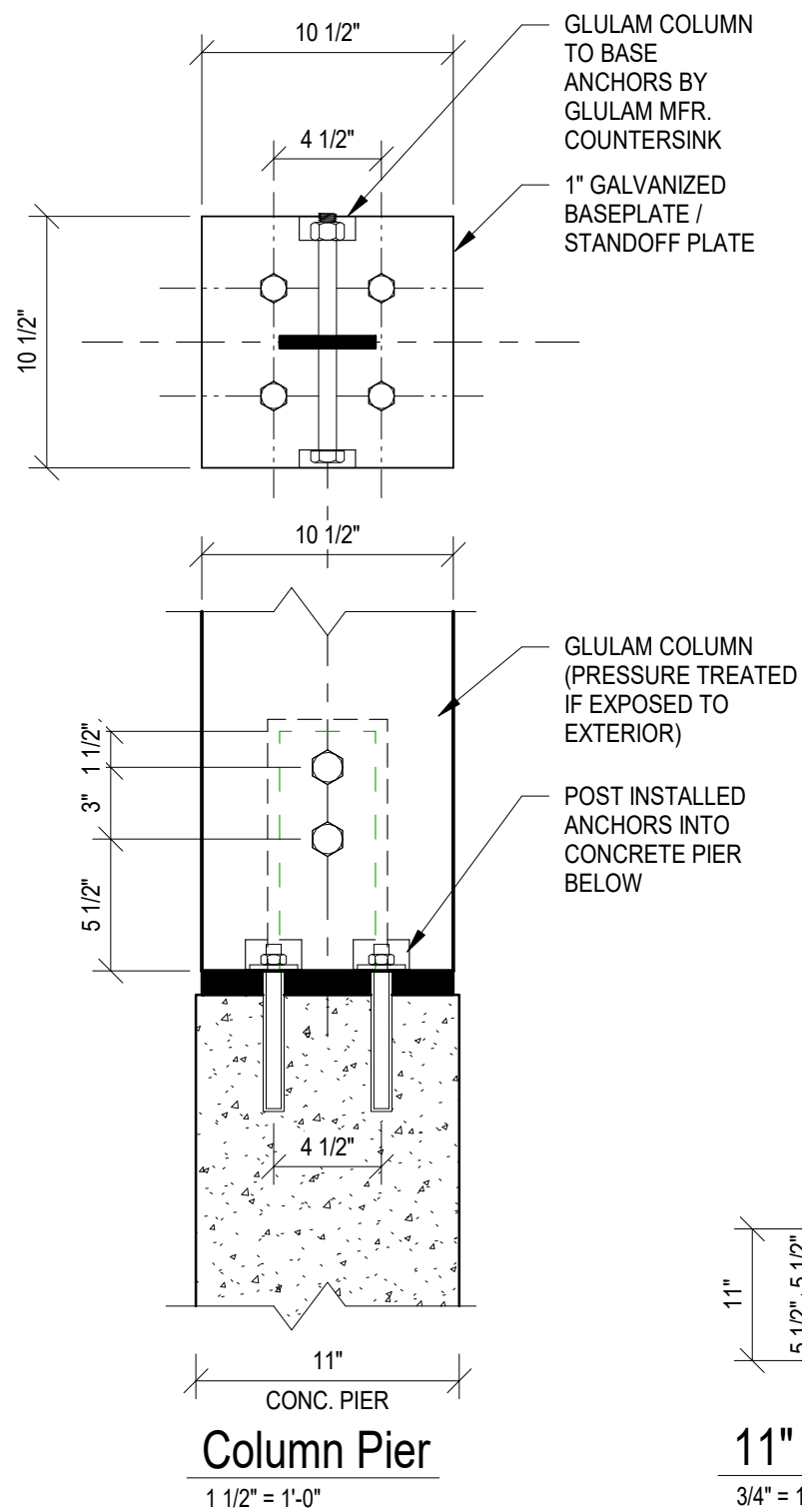
SHEET **S101**

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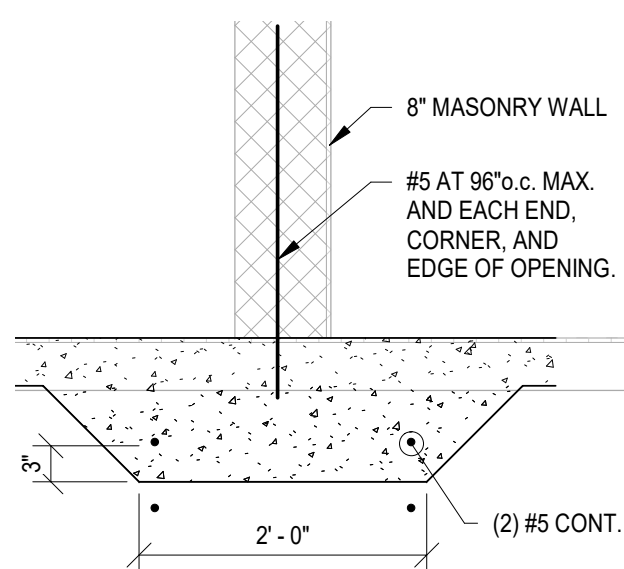
CASE	LOCATION	BAR SIZE	COVER (in.)
A	Concrete cast against and permanently exposed to earth ¹	ALL SIZES	3"
B	Concrete exposed to earth or weather	#5 & Smaller	1 1/2"
		#6 thru #18	2"
C	Concrete NOT exposed to weather or in contact with earth	#11 & Smaller	3/4"
		Walls, Slabs (0, 1, or 1.5 hr)	

1 - All foundations cast against earth without using formwork shall use CASE 'A' for reinforcement clearances.

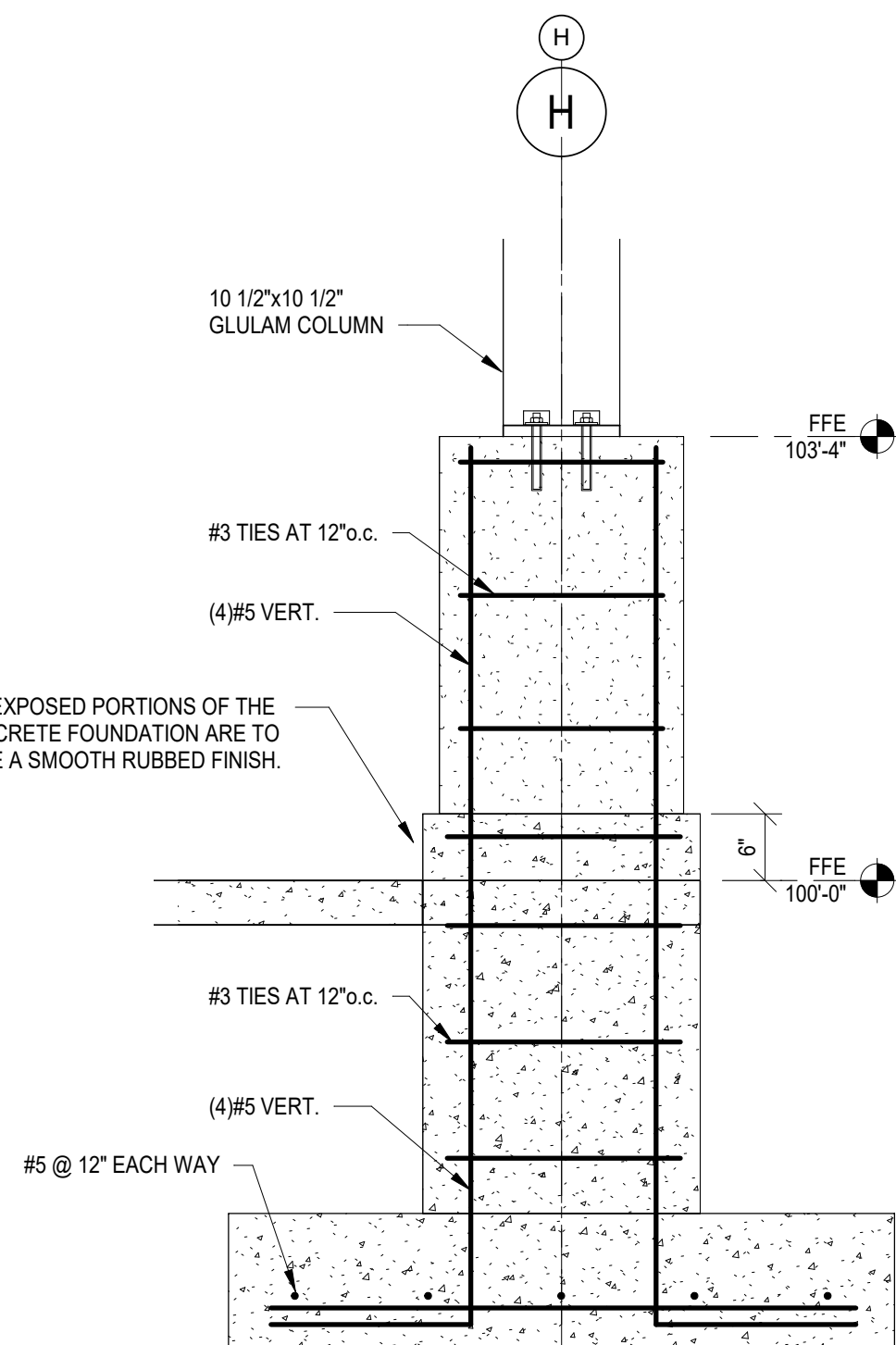
C2 CONCRETE REINFORCING COVER
SCALE: NTS



G
S201
3/4" = 1'-0"



F
S201
3/4" = 1'-0"

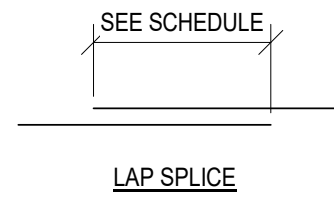


E
S201
3/4" = 1'-0"

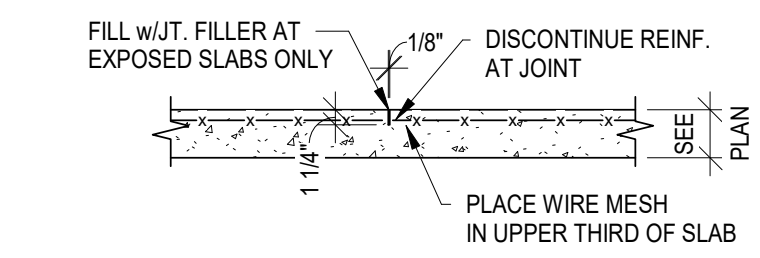
MINIMUM LAP SPLICE SCHEDULE

BAR SIZE	LAP LENGTH ^{1,2}
#3	24"
#4	32"
#5	40"
#6	48"

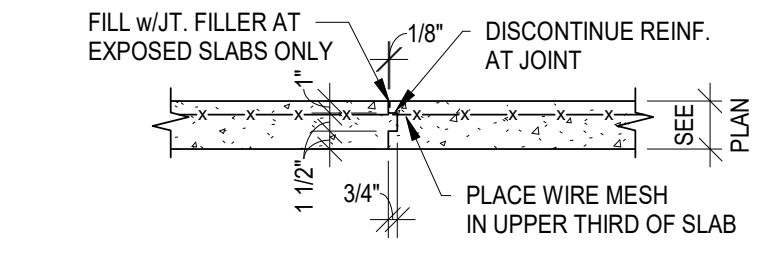
1 - Increase Lap Length by 33% for Epoxy Coated Reinforcing or Lightweight Concrete
2 - Based on minimum $f_c = 4000$ psi



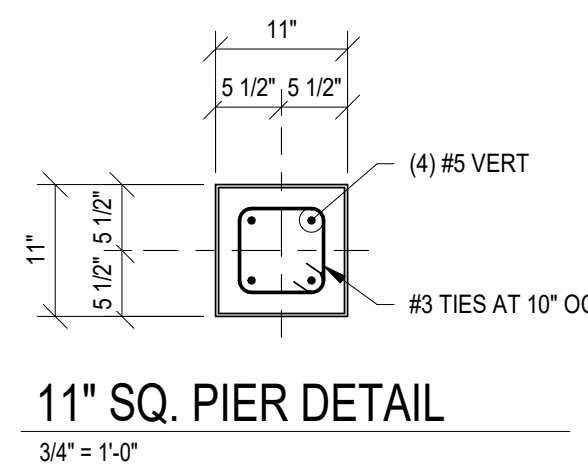
C1 CONCRETE REINFORCEMENT SPLICES
SCALE: NTS



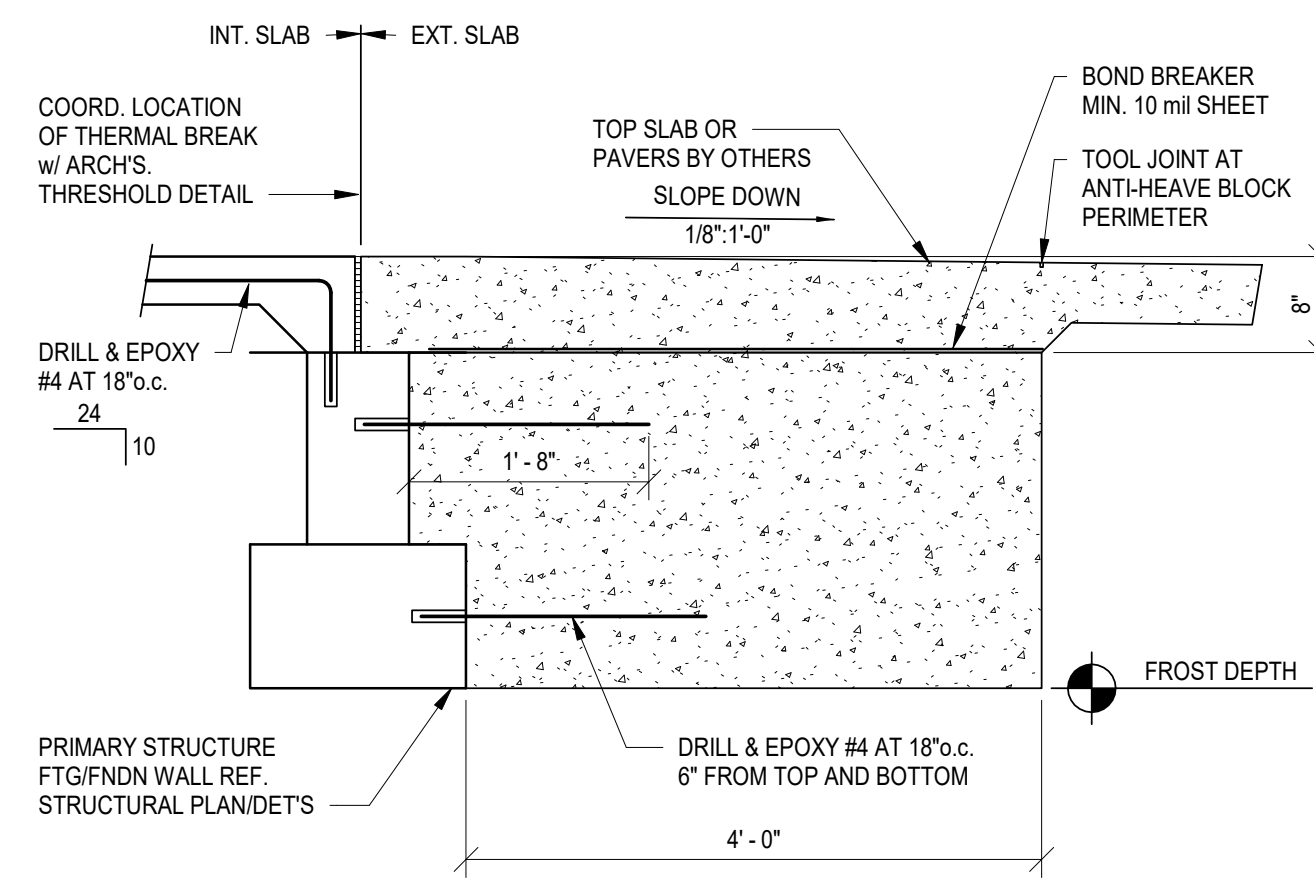
TYPICAL SAWED CONTROL JOINT DETAIL
N.T.S.



TYPICAL CONSTRUCTION JOINT DETAIL
N.T.S.

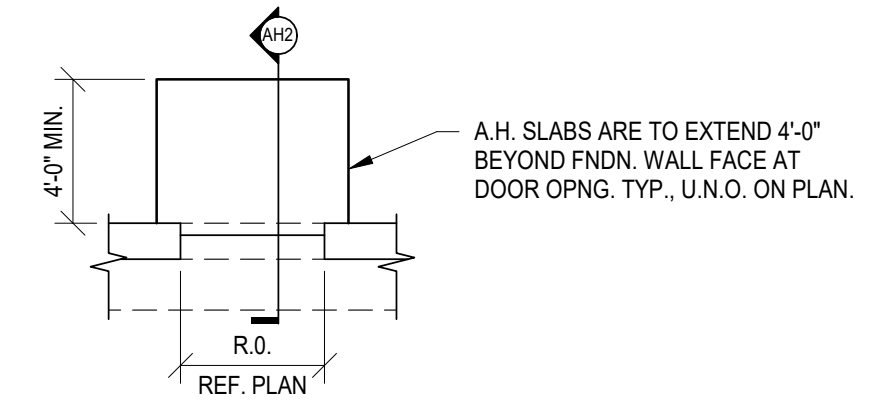


11" SQ. PIER DETAIL
3/4" = 1'-0"

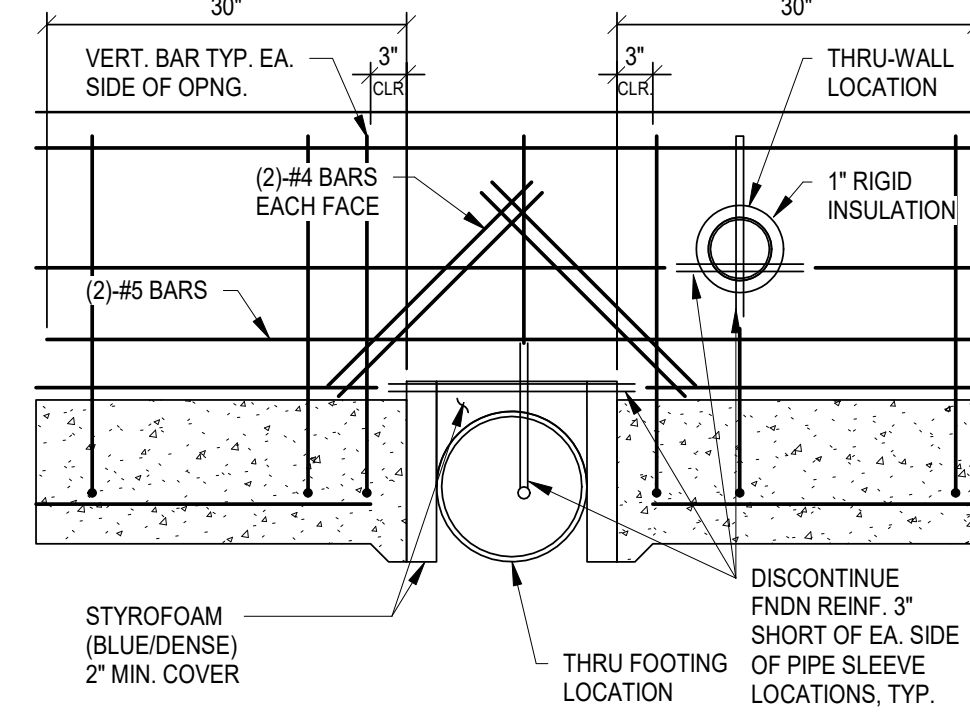


AH2 TYPICAL ANTI-HEAVE BLOCK
SCALE: 3/4" = 1'-0"

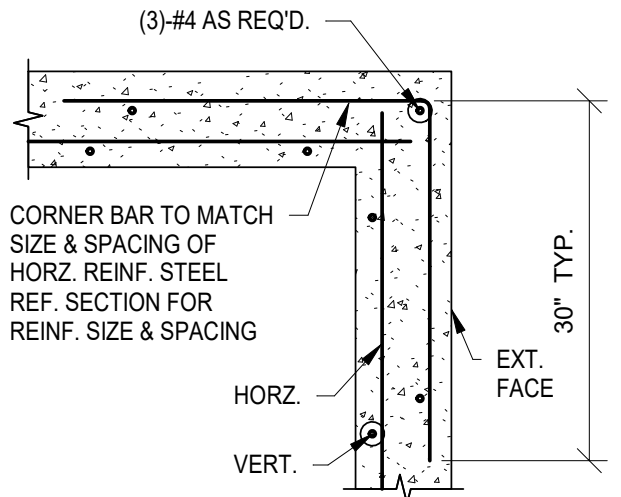
- DETAIL NOTES:
1. ANTI-HEAVE BLOCKS TO BE USED AT ALL PRIMARY ENTRANCES AND EMERGENCY EXITS
 2. REFERENCE ARCHITECTURAL AND SITE DRAWINGS FOR BLOCK WIDTHS
 3. TOP OF ANTI-HEAVE BLOCK MAY BE HELD DOWN 8" MAX. TO ALLOW FOR PAVERS OR OTHER SITE SPECIFIED CONCRETE SLABS.
 4. PLACE ANTI-HEAVE SEPARATELY. DRILL & EPOXY ALL HORIZONTAL ANTI-HEAVE FOUNDATION REINFORCING



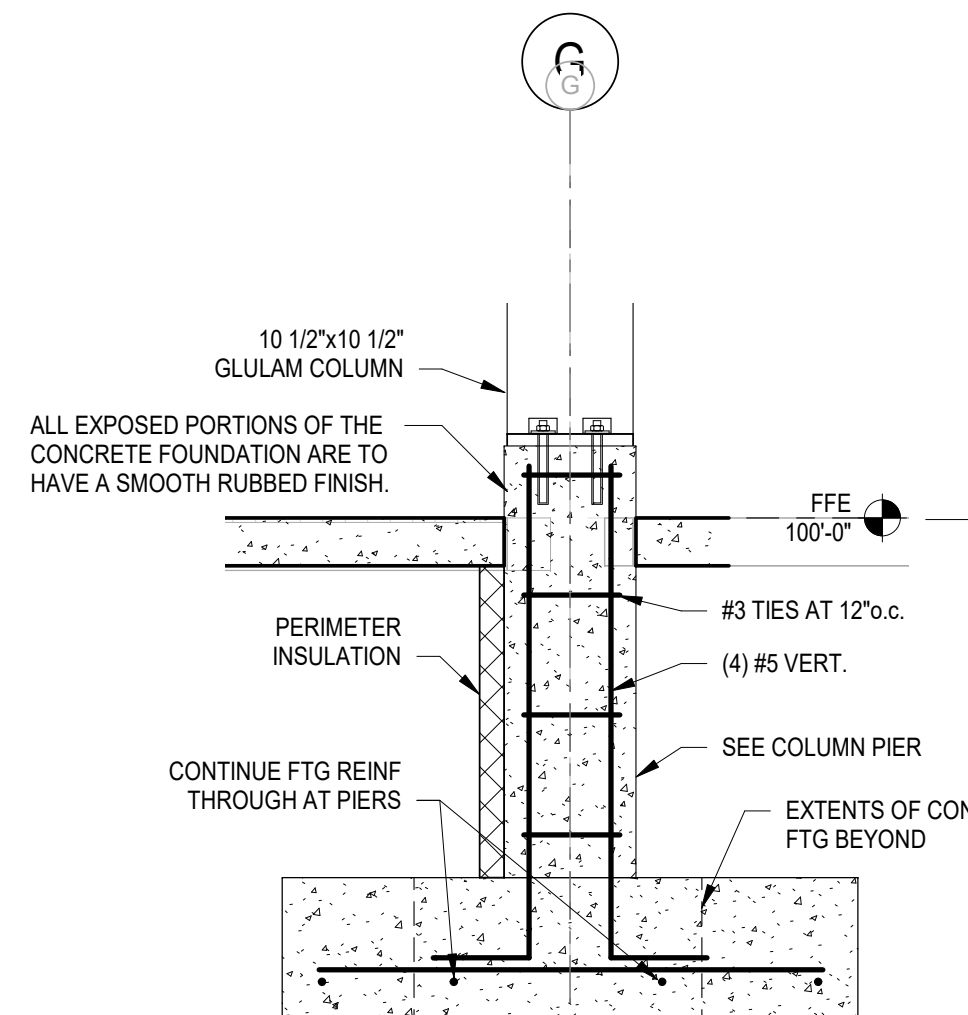
AH TYPICAL ANTI-HEAVE BLOCK TYPES
SCALE: NTS



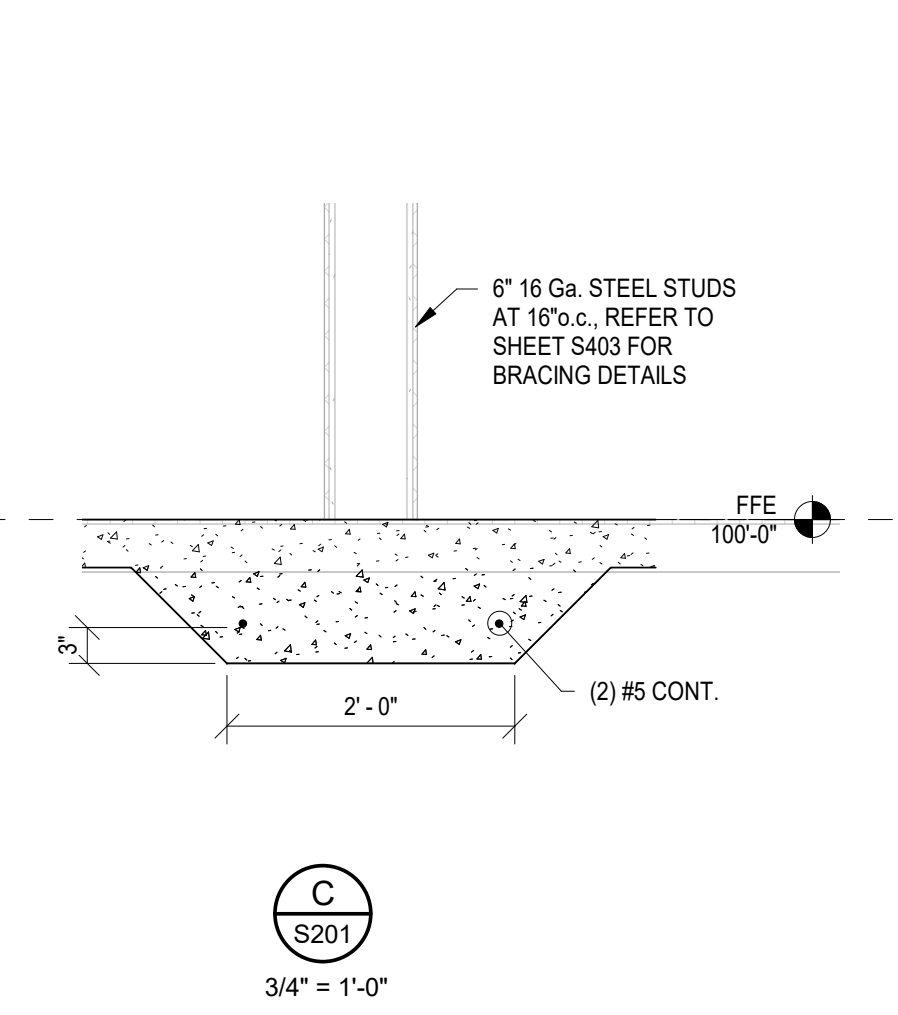
F10 TYPICAL PIPE SLEEVE AT FOUNDATION
SCALE: NTS



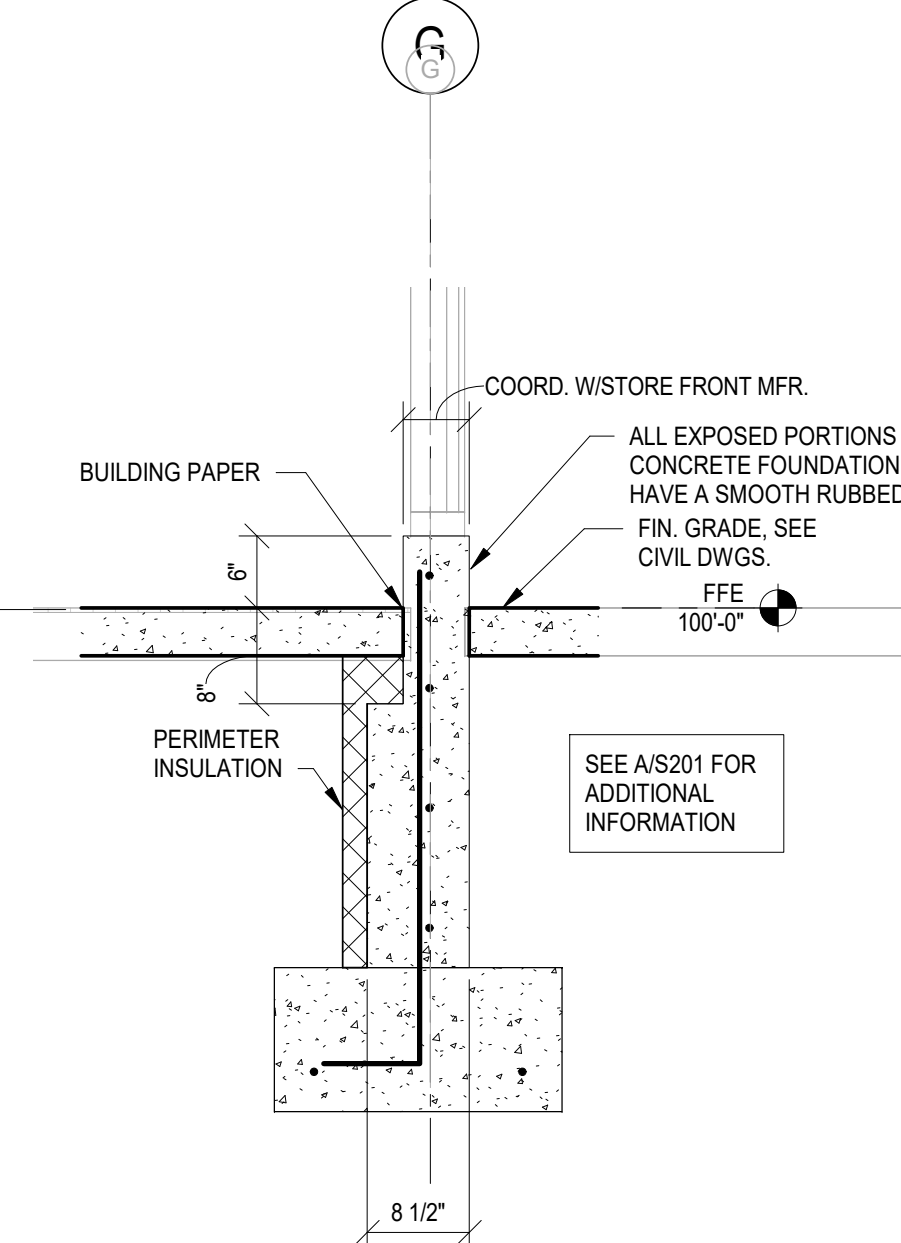
F2 TYPICAL CORNER BAR DETAIL
CAST-IN-PLACE CONCRETE SCALE: NTS



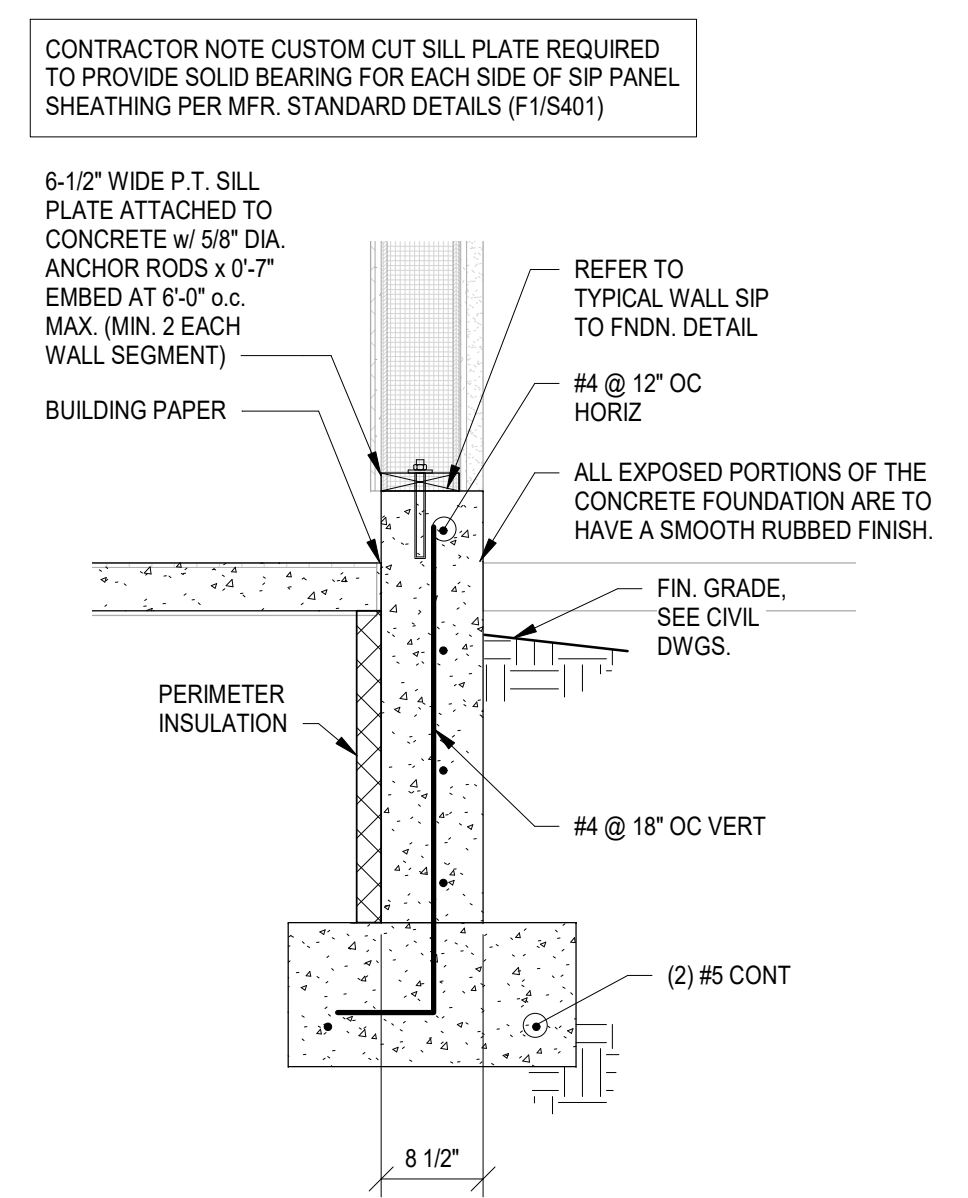
D
S201
3/4" = 1'-0"



C
S201
3/4" = 1'-0"



B
S201
3/4" = 1'-0"



A
S201
3/4" = 1'-0"

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APPROVED BY:
ISSUE DATE: 07/02/21

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J.M. VEROSTKO, INC.
CONSULTING
2781 SALT SPRINGS ROAD
YOUNGSTOWN, OHIO 44509



CLIENT: STATE OF OHIO DEPARTMENT OF TRANSPORTATION
PROJECT: REST AREA BUILDING REPLACEMENT
MARIETTA, OHIO 45750
WASHINGTON COUNTY

PROFESSIONAL OF RECORD:
Craig E. Metzger No. 51417
EXP. DATE: 12/31/21

PROJECT NO. 64-12A23-01

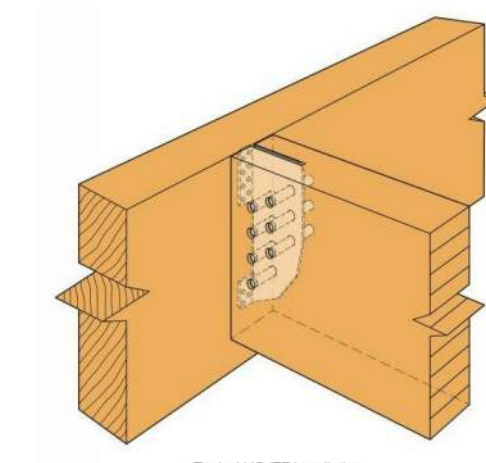
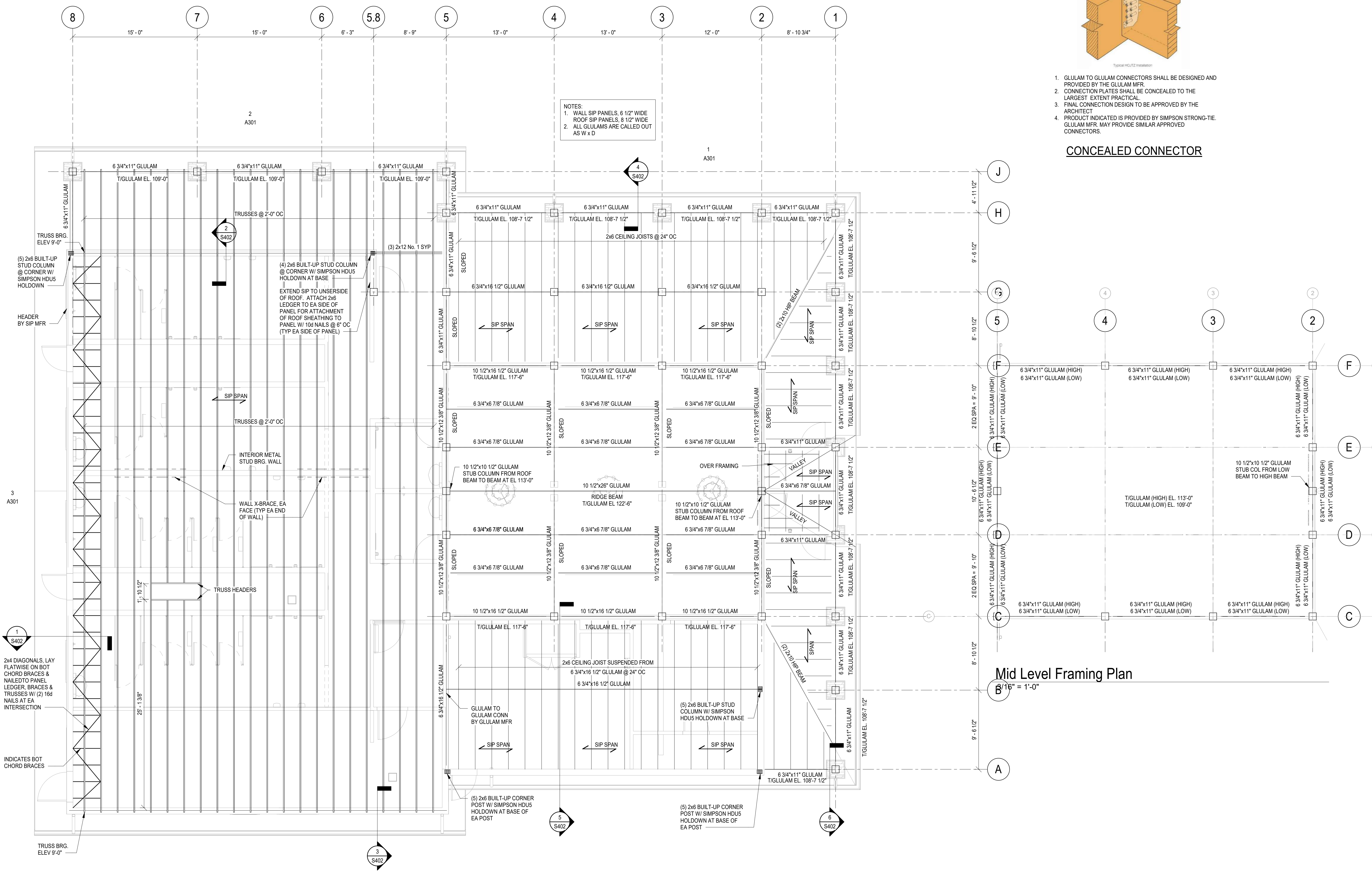
SHEET TITLE FOUNDATION SECTIONS

SHEET S201

6/30/2021 1:55:30 PM

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6/30/2021 1:55:42 PM



1. GLULAM TO GLULAM CONNECTORS SHALL BE DESIGNED AND PROVIDED BY THE GLULAM MFR.
2. CONNECTION PLATES SHALL BE CONCEALED TO THE LARGEST EXTENT PRACTICAL.
3. FINAL CONNECTION DESIGN TO BE APPROVED BY THE ARCHITECT.
4. PRODUCT INDICATED IS PROVIDED BY SIMPSON STRONG-TIE. GLULAM MFR. MAY PROVIDE SIMILAR APPROVED CONNECTORS.

CONCEALED CONNECTOR

NOTES:
 1. WALL SIP PANELS, 6 1/2" WIDE ROOF SIP PANELS, 8 1/2" WIDE
 2. ALL GLULAMS ARE CALLED OUT AS W x D

Roof Framing
 3/16" = 1'-0"

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APPROVED BY		
ISSUE DATE		07/02/21
REVISION		
#	DATE	DESCRIPTION
2.8.21		SD SUBMISSION
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4.21.21		DD SUBMISSION
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 CONSULTING

2781 SALT SPRINGS ROAD
 YOUNGSTOWN, OHIO 44509



CLIENT

REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45750
 WASHINGTON COUNTY

PROJECT

PROFESSIONAL OF RECORD:
 Craig E. Metzger No. 51417
 EXP. DATE: 12/31/21

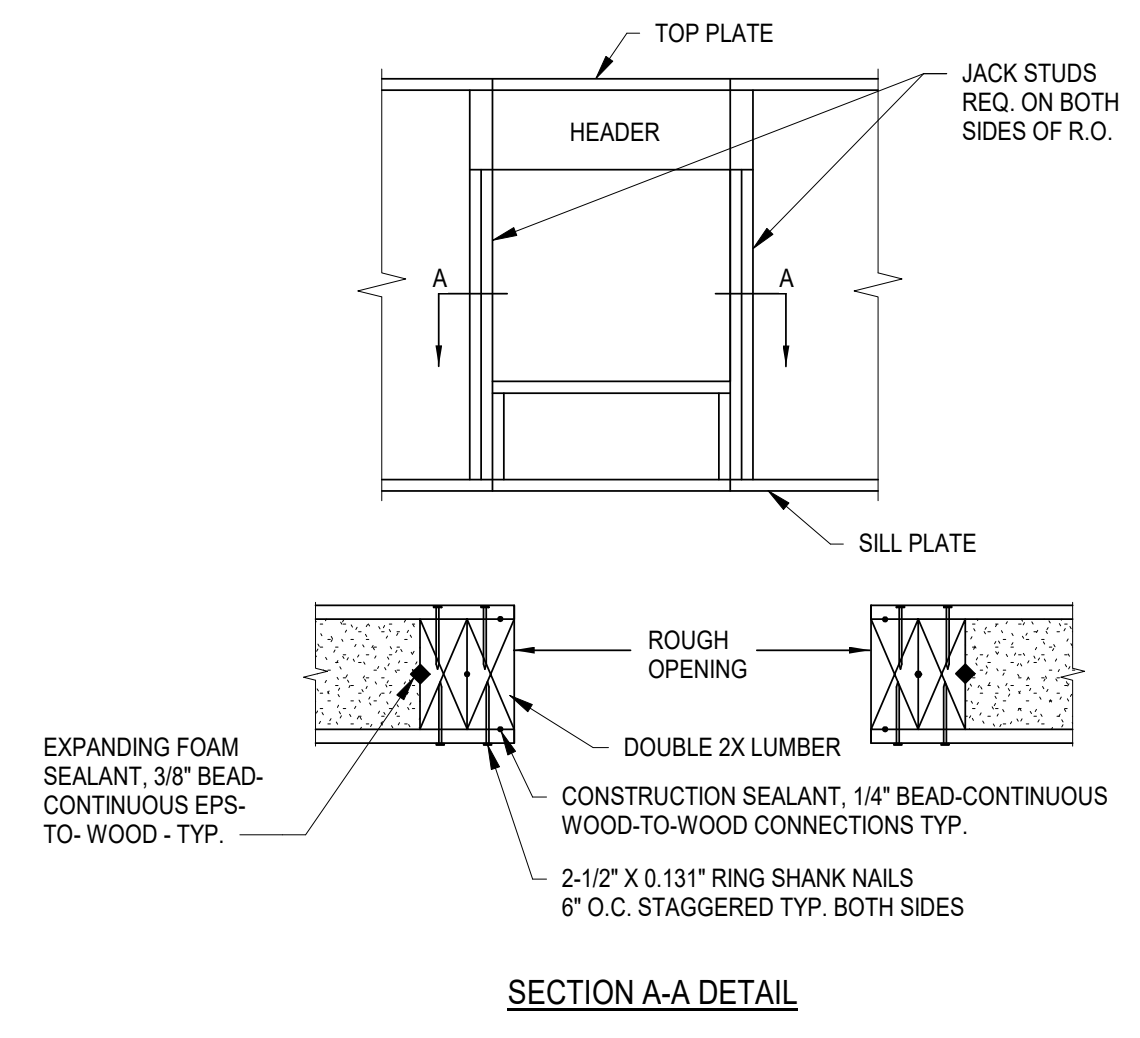
PROJECT NO. 64-12A23-01

SHEET TITLE
 ROOF FRAMING PLAN

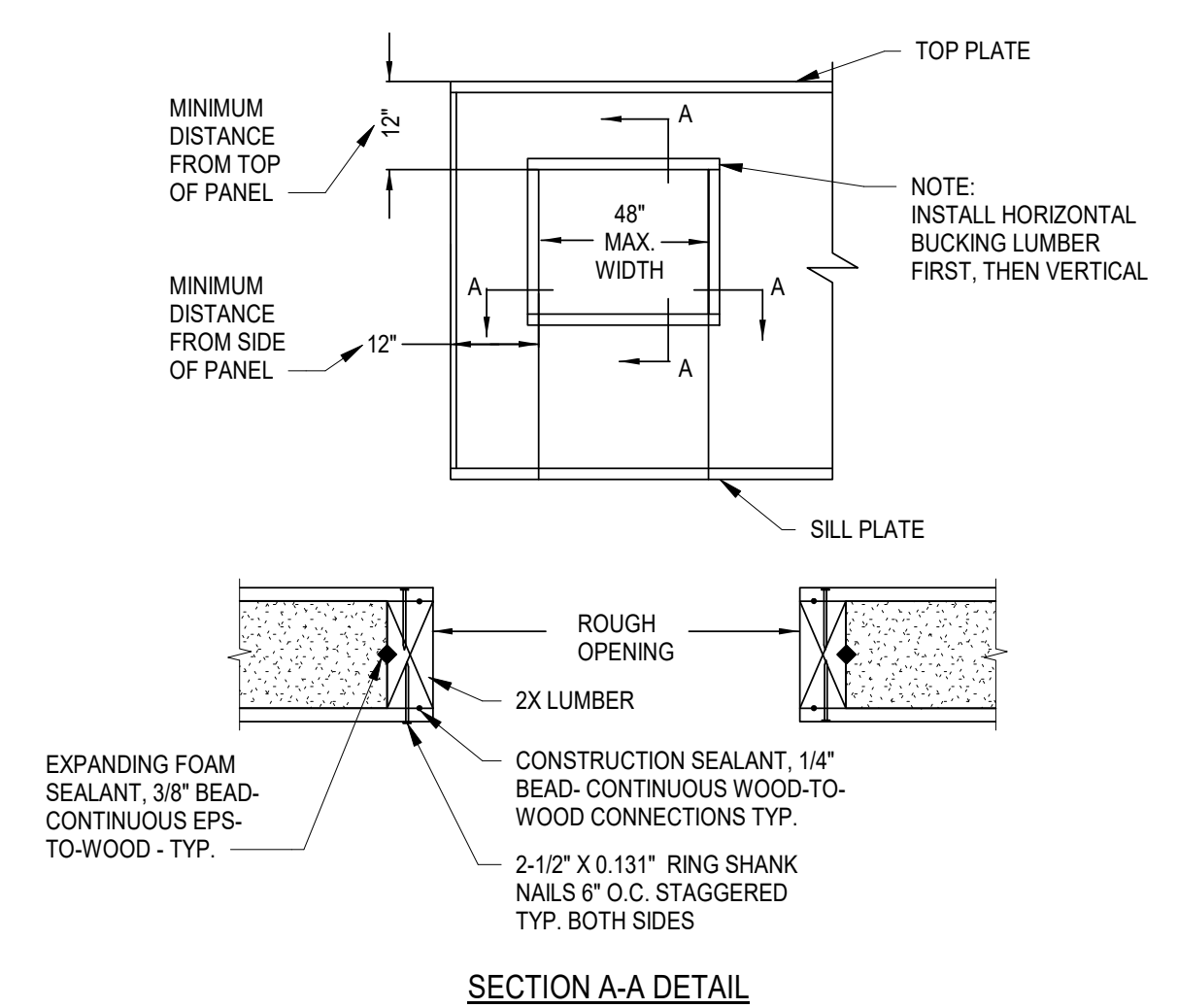
SHEET
S301

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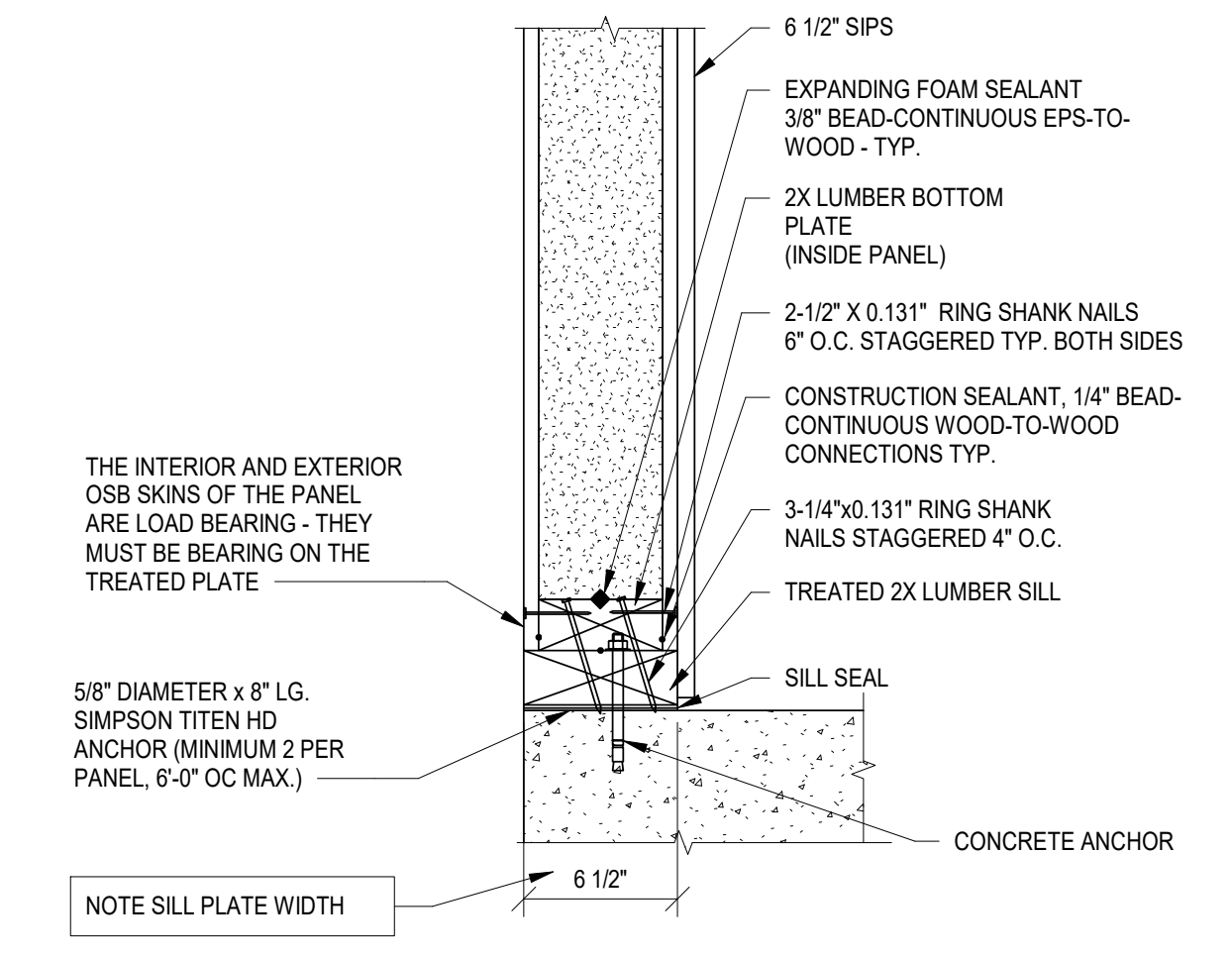
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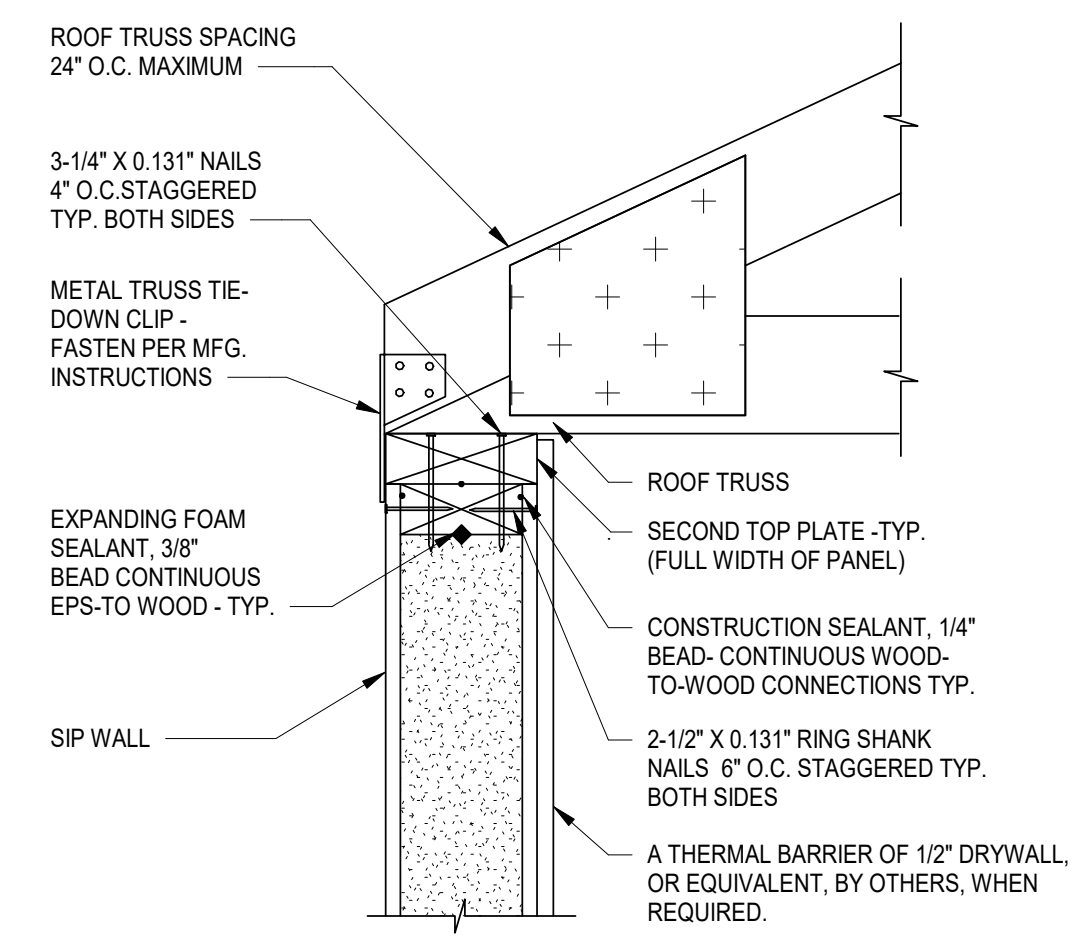
G2 TYP. CONSTRUCTION OF ROUGH OPENING INCLUDING HEADER
SCALE: N.T.S.



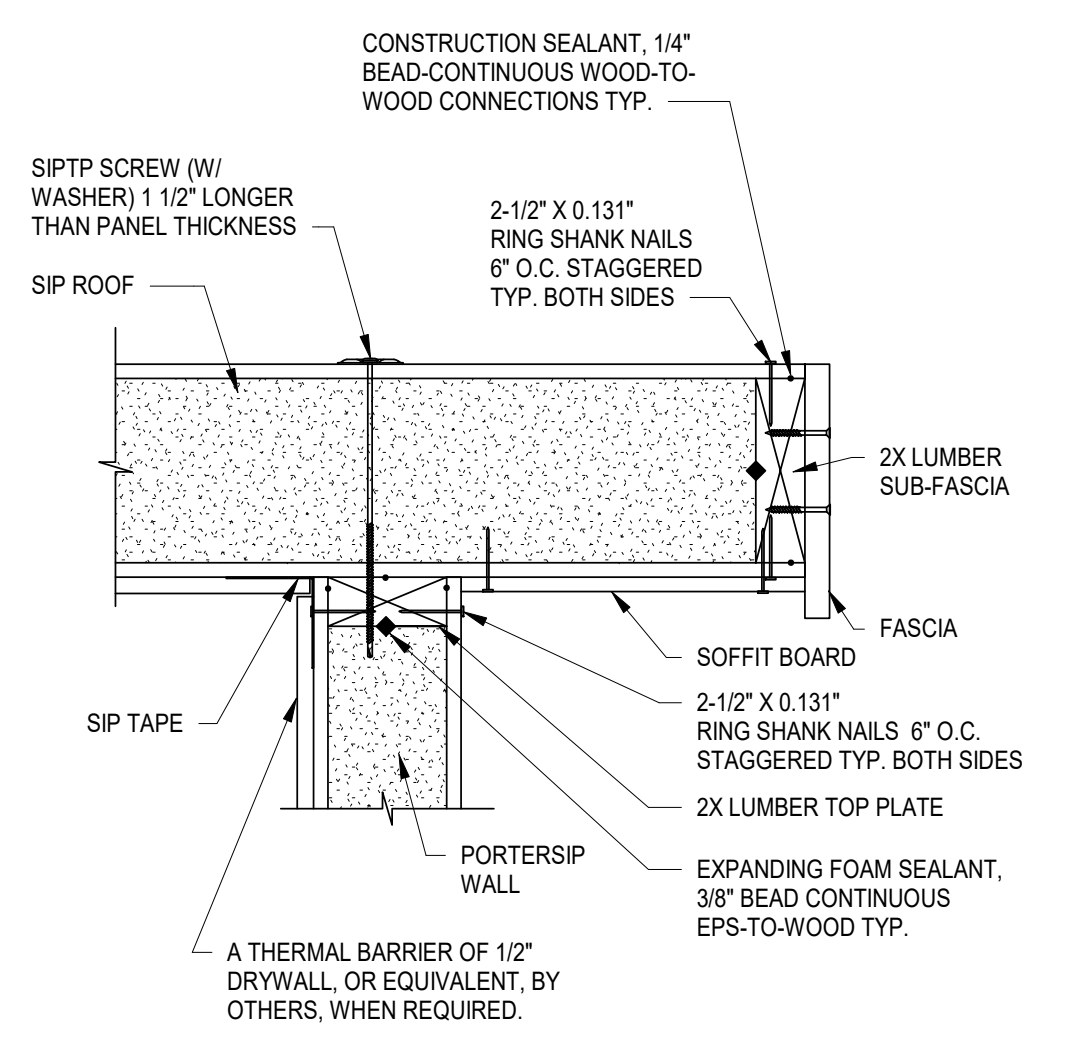
G1 REINFORCEMENT OF OPENINGS IN NON-LOAD BEARING WALL PANELS
SCALE: N.T.S.



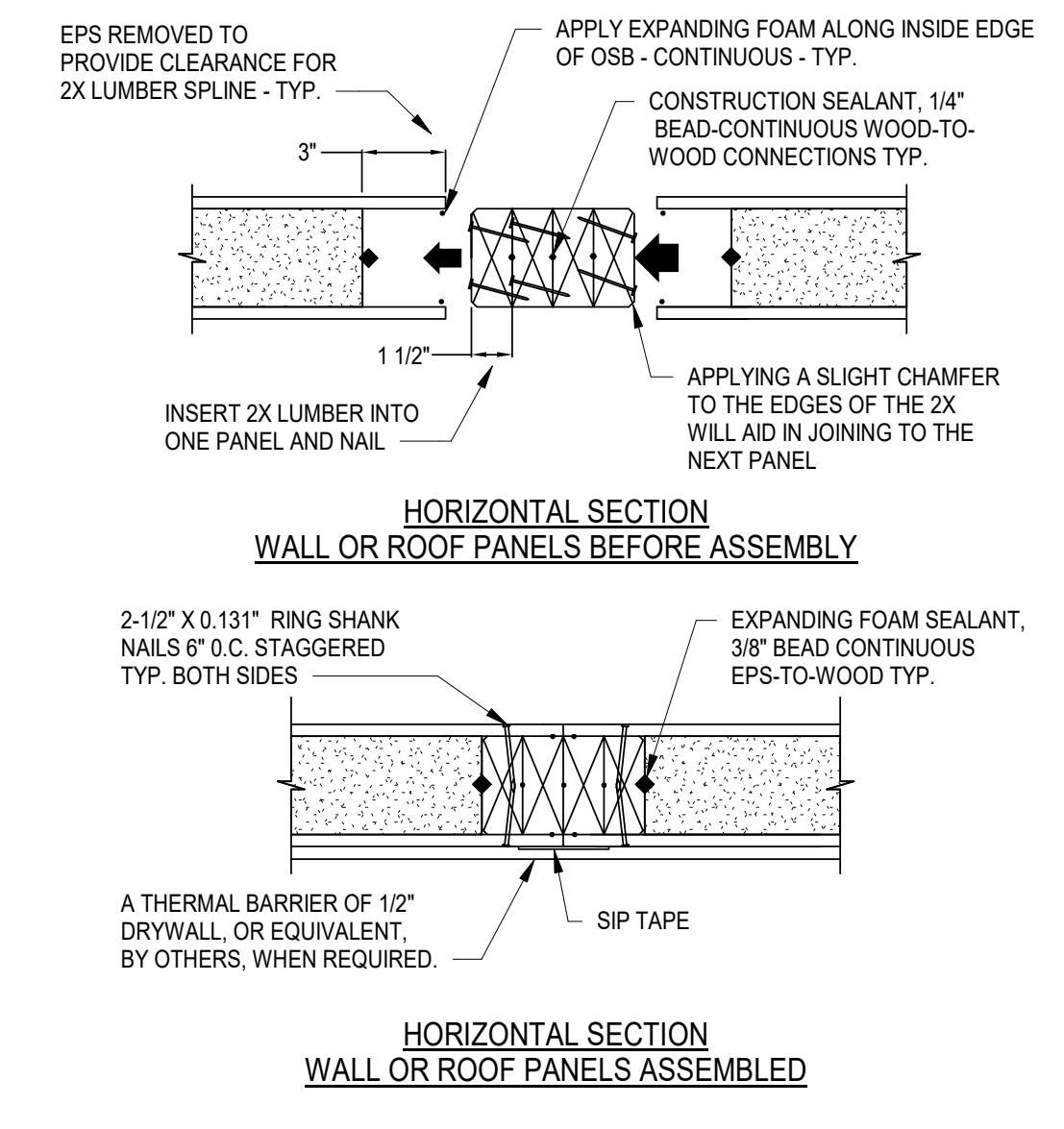
F1 PANEL ON FOUNDATION WALL
SCALE: N.T.S.



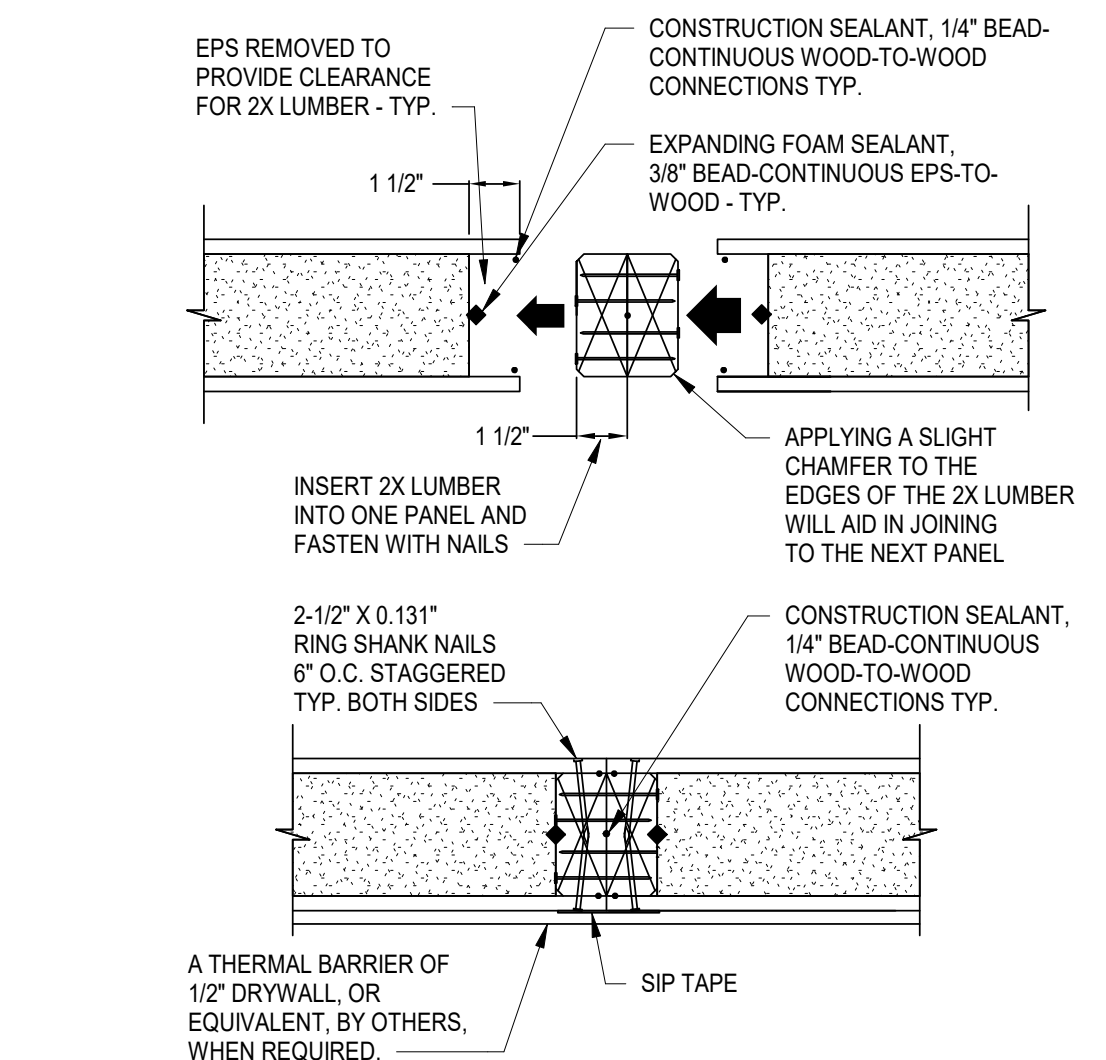
R3 ROOF TRUSS-TO-WALL CONNECTION
SCALE: N.T.S.



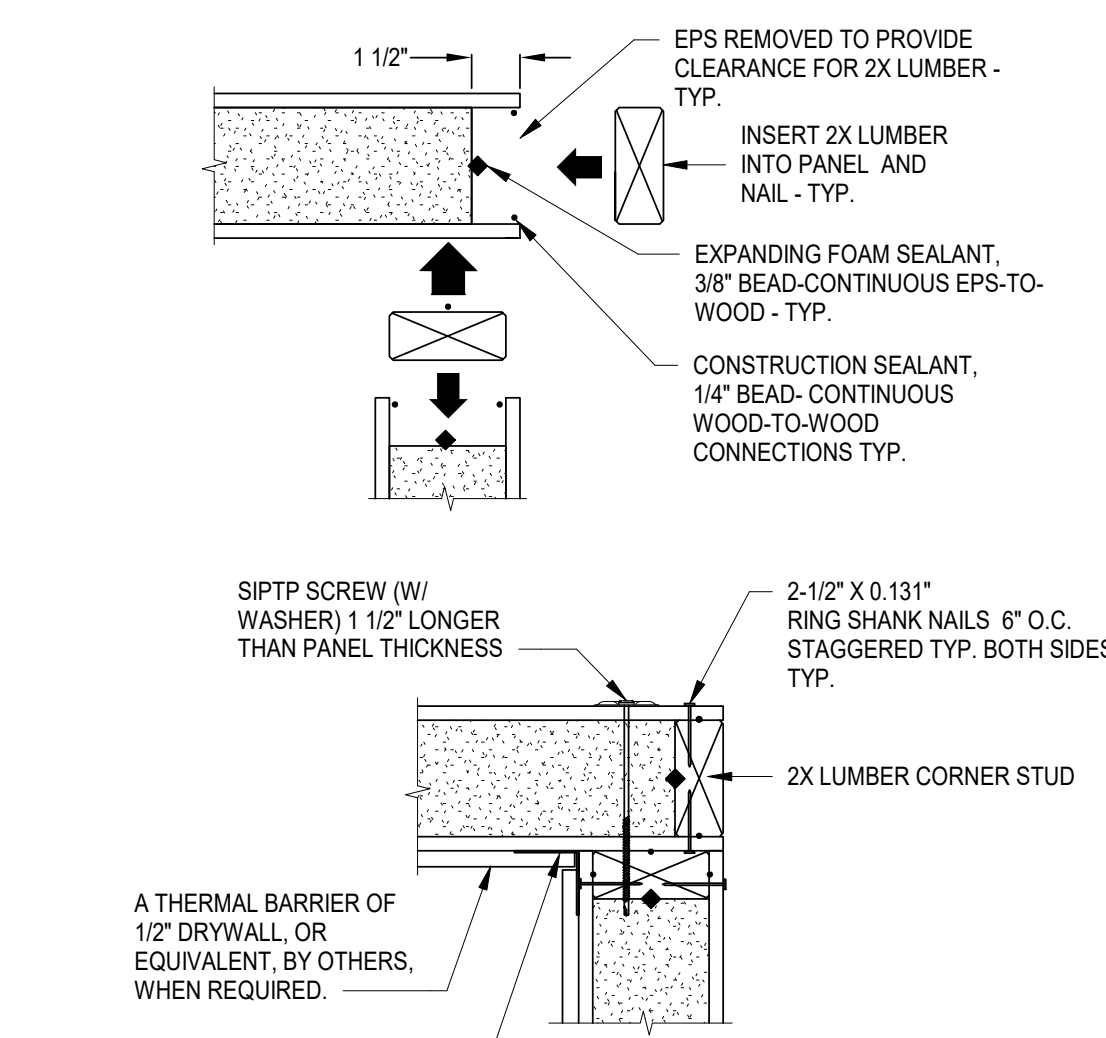
R1 ROOF-TO-WALL CONNECTION GABLE END
SCALE: N.T.S.



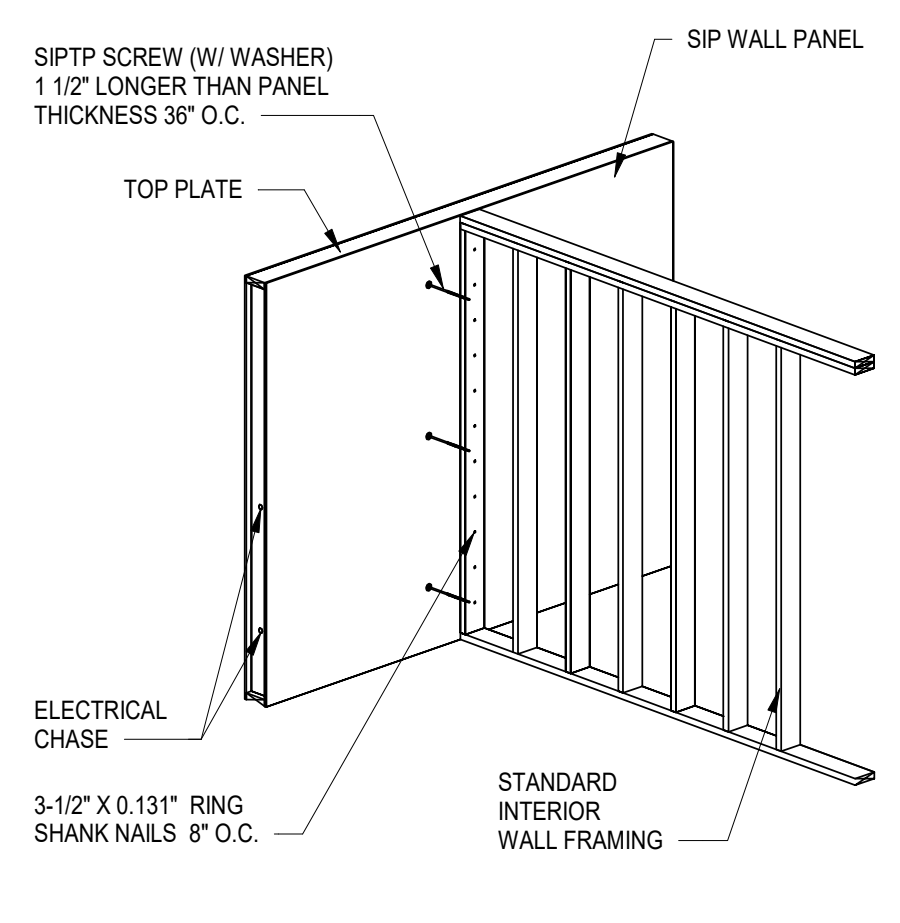
P8 PANEL-TO-PANEL CONNECTION WITH (4) 2X LUMBER
SCALE: N.T.S.



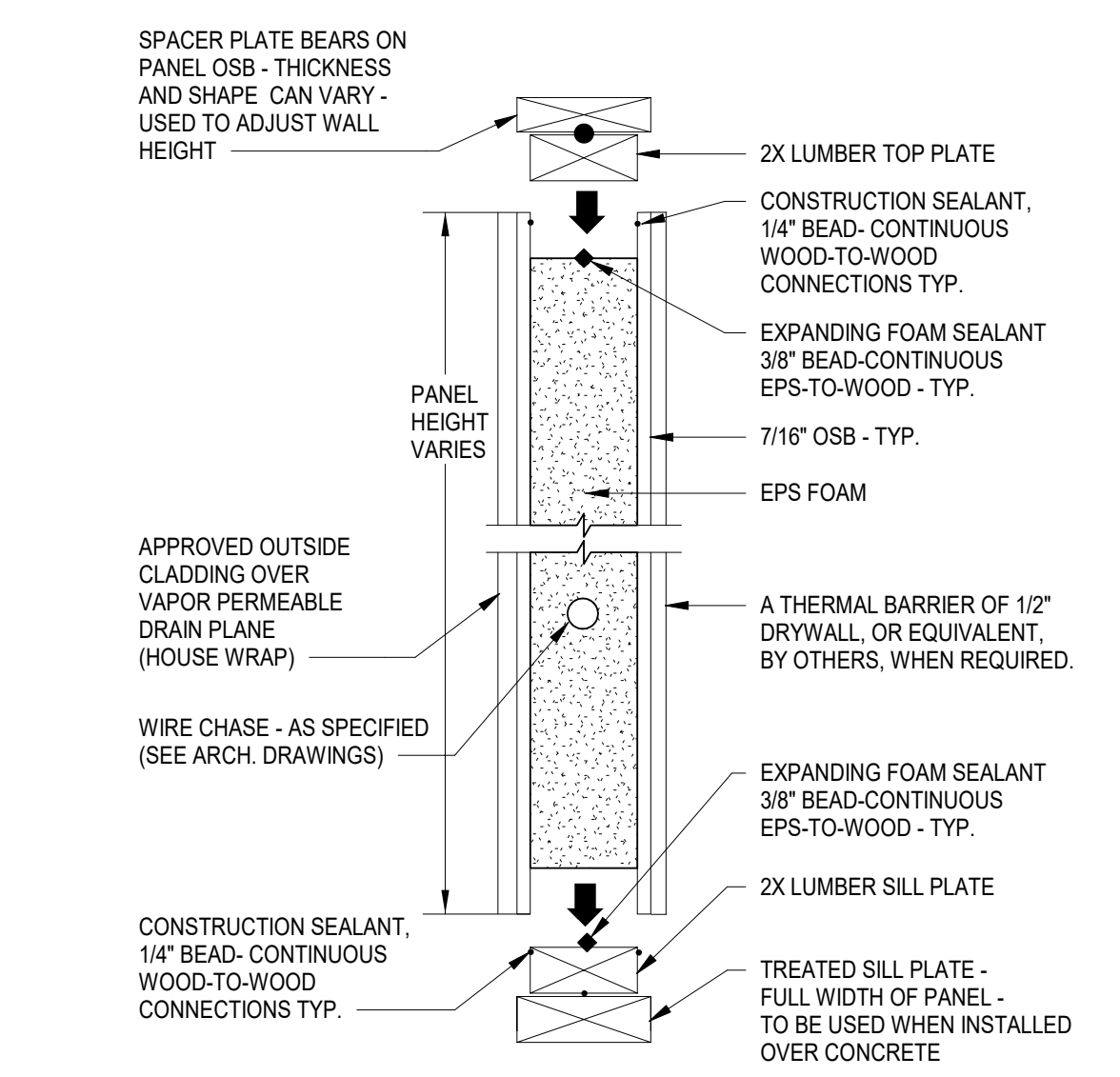
P5 PANEL-TO-PANEL CONNECTION WITH DOUBLE LUMBER
SCALE: N.T.S.



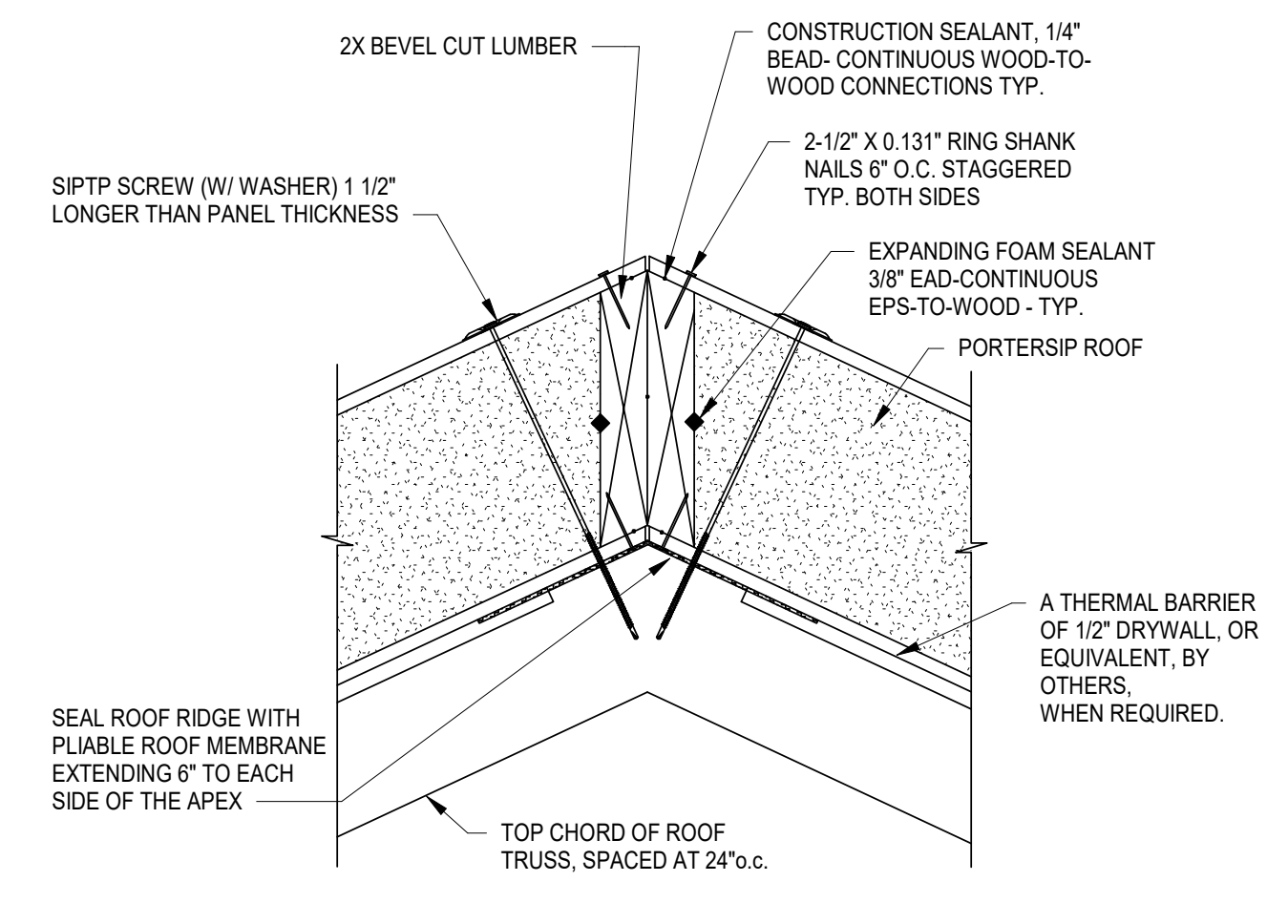
P2 CORNER CONNECTION
SCALE: N.T.S.



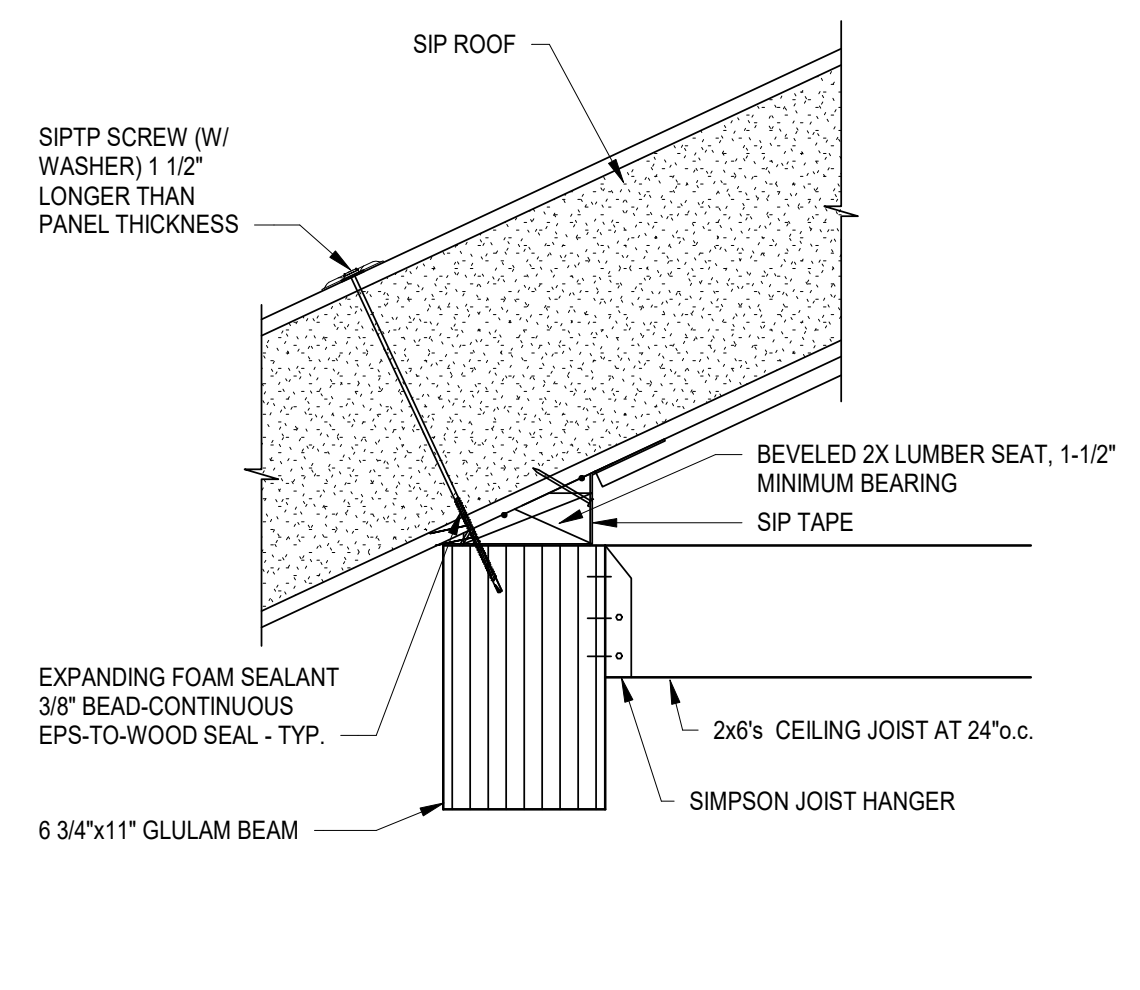
W3 ISOMETRIC OF INTERIOR WALL CONNECTION
SCALE: N.T.S.



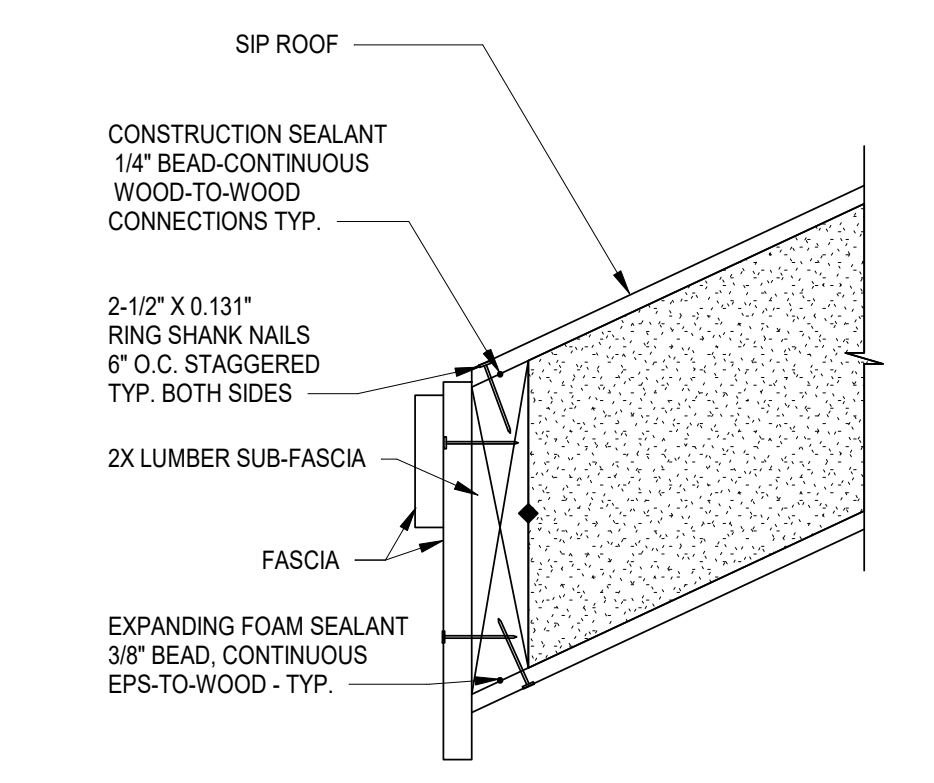
W1 WALL SECTION
SCALE: N.T.S.



R8 ROOF RIDGE CONNECTION WITH SOLID BLOCKING
SCALE: N.T.S.



R6 ROOF-TO-BEAM CONNECTION PITCHED ROOF - BEVELED SEAT
SCALE: N.T.S.



R5 PLUMB CUT ROOF EAVE
SCALE: N.T.S.

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J.M. VEROSTKO, INC.
2781 SALT SPRINGS ROAD
YOUNGSTOWN, OHIO 44509



CLIENT: MARIETTA, OHIO 45750 WASHINGTON COUNTY

PROJECT: REST AREA BUILDING REPLACEMENT

PROFESSIONAL OF RECORD:
Craig E. Metzger No. 51417
EXP. DATE: 12/31/21

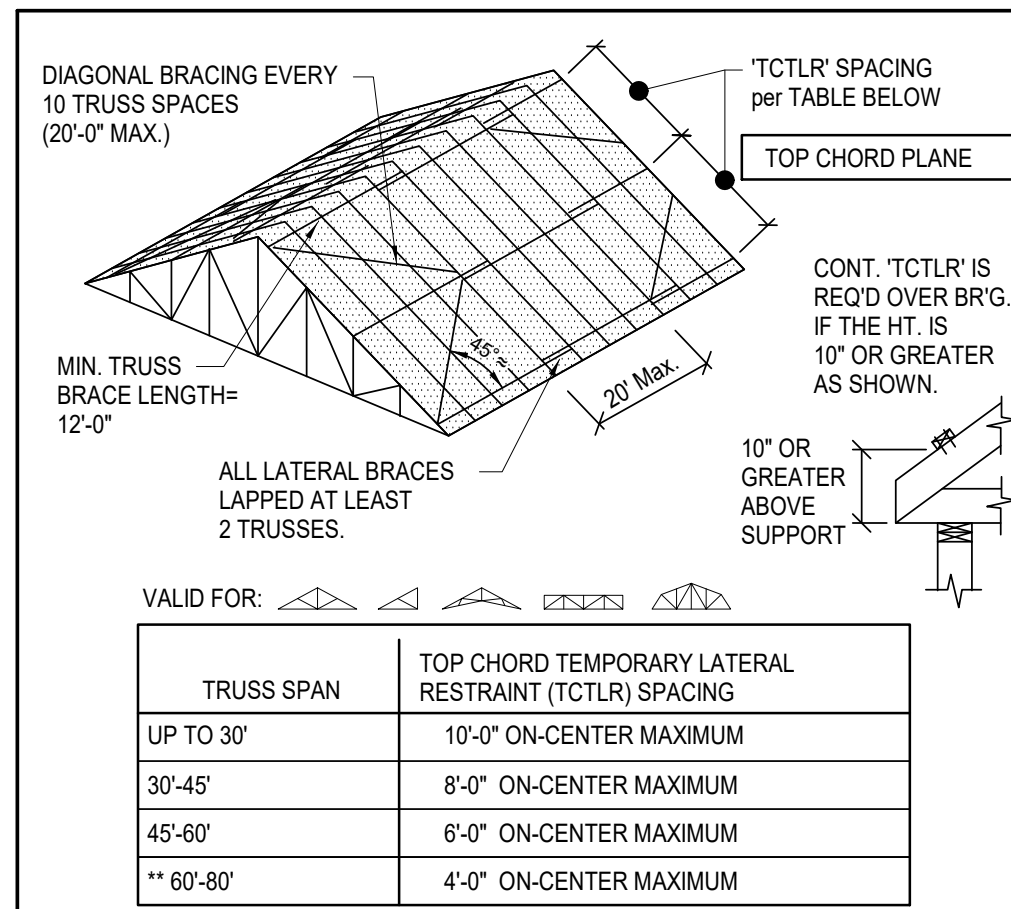
PROJECT NO. 64-12A23-01

SHEET TITLE: FRAMING SECTIONS

SHEET: S401

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6/30/2021 1:56:05 PM



NOTE TO CONTRACTOR:
COST OF TEMPORARY AND PERMANENT BRACING IS USUALLY NOT INCLUDED AS PART OF THE PRE-ENGINEERED TRUSS PACKAGE. ALL BRACING REQUIRED ON THIS SHEET IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

GENERAL TRUSS BRACING NOTES

- TEMPORARY BRACING MUST BE APPLIED TO ALL OF THE FOLLOWING PLANES OF THE TRUSSES TO ENSURE STABILITY: TOP CHORD PLANE (Roof Plane), WEB MEMBER PLANE (Sloping or vertical plane perpendicular to trusses), BOTTOM CHORD PLANE (ceiling plane).
- GROUND BRACING (NOT SHOWN) IS REQUIRED FOR ALL INSTALLATIONS.
- ALL CONNECTIONS SHALL BE MADE WITH A MINIMUM OF (2) 16d NAILS (D=0.131", L=3.5") GALVANIZED OR COATED. DRIVE NAILS FLUSH OR USE DOUBLE-HEADED (DUPLX) NAILS FOR EASE OF REMOVAL.
- ALL TEMPORARY BRACING SHALL BE NO LESS THAN 2x4 STRESS-GRADED LUMBER.
- LATERAL BRACING ALONE IS NOT ADEQUATE WITHOUT DIAGONAL BRACING. ALWAYS DIAGONALLY BRACE FOR SAFETY.
- TRUSS SPACERS ARE FOR SPACING ONLY! NEVER USE THE COMMERCIALLY AVAILABLE LIGHT-GAUGE METAL FOLD-OUT/ON-STRUCTURAL SINGLE UNIT SPACER PRODUCTS FOR TRUSS LATERAL RESTRAINT.
- BRACING FOR WOOD TRUSSES IS THE RESPONSIBILITY OF THE CONTRACTOR AND THE ERECTOR. TRUSSES SHALL BE BRACED IN ACCORDANCE WITH THE "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING METAL PLATE CONNECTED WOOD TRUSSES" (BCS), JOINTLY PRODUCED BY THE WOOD TRUSS COUNCIL OF AMERICA (WTCA) AND THE TRUSS PLATE INSTITUTE (TPI). THIS REQUIRED DOCUMENT IS AVAILABLE BY CALLING WTCA AT (608) 274-4849 OR TPI AT (703) 883-1010.

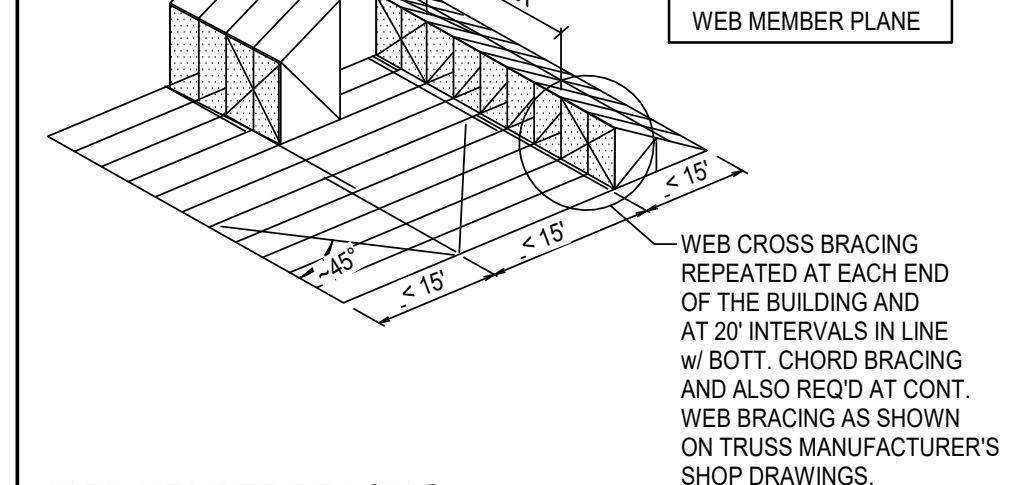
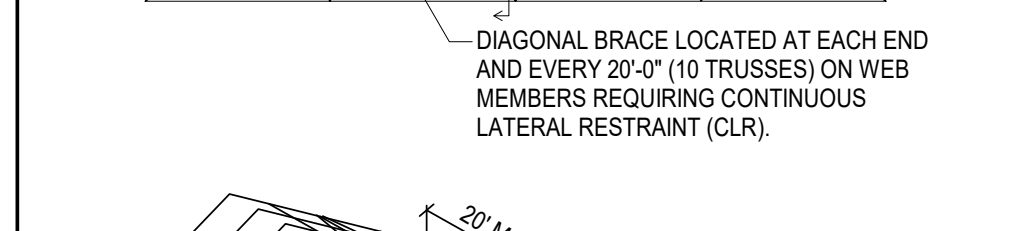
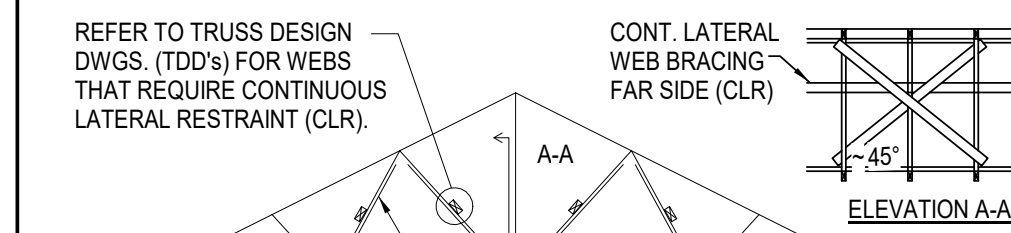
WARNING: FAILURE TO FOLLOW THESE RECOMMENDATIONS AND THOSE OF WTCA/TPI COULD RESULT IN SEVERE PERSONAL INJURY OR DAMAGE TO TRUSSES OR BUILDINGS.

TOP CHORD BRACING (TCTLR)

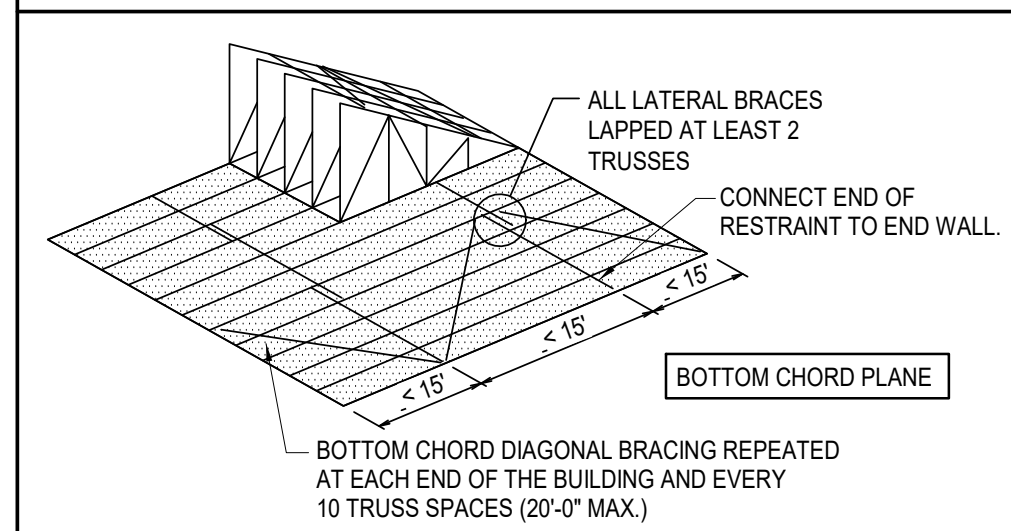
- APPLIES TO ALL SLOPING CHORD TRUSSES, SCISSORS TRUSSES, 2x PARALLEL CHORD TRUSSES AND PIGGYBACK TRUSSES.
- LOCATE A TCTLR AT EACH PITCH BREAK ALONG THE TOP CHORD.
- PROVIDE LATERAL BRACING AT TOP CHORD SCISSORS TRUSS SPLICES.
- INSTALL TCTLR TO THE UNDERSIDE OF TOP CHORD TO ALLOW INSTALLATION OF ROOF SHEATHING.

TOP CHORDS THAT ARE LATERALLY BRACED CAN BUCKLE TOGETHER AND CAUSE COLLAPSE IF THERE IS NO DIAGONAL BRACING. DIAGONAL BRACING SHOULD BE NAILED TO THE UNDERSIDE OF THE TOP CHORD WHEN PURLINS OR SHEATHING ARE ATTACHED TO THE TOPSIDE OF THE TOP CHORD.

- *LONG SPAN TRUSS NOTES (60' - 80')**
- ONLY USE INSTALLERS WHO HAVE EXPERIENCE IN INSTALLING LONG SPAN TRUSSES.
 - TRUSSES SPANNING GREATER THAN 60' REQUIRE A PRE-ERECTION MEETING WITH A THE ENGINEER OF RECORD AND THOSE INVOLVED IN THE ERECTION OF THE LONG-SPAN TRUSSES. PLEASE CONTACT THE ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO TRUSS ERECTION.
 - ASSEMBLE THE FIRST FIVE TRUSSES WITH ALL RESTRAINT, BRACING AND STRUCTURAL SHEATHING PRIOR TO INSTALLING OTHER TRUSSES. THIS MAY BE DONE ON THE GROUND AND LIFTED INTO PLACE.



- WEB MEMBER BRACING**
- INSTALL DIAGONAL BRACING ON WEB MEMBERS (VERTICAL WEBS WHENEVER POSSIBLE) AT OR NEAR BOTTOM CHORD LATERAL RESTRAINT (SEE BELOW).
 - WEB MEMBERS THAT REQUIRE MORE THAN ONE ROW OF CLR SHALL HAVE THE CLR'S AND DIAGONAL BRACING INSTALLED AS THE TRUSSES ARE INSTALLED.
 - MONO TRUSSES, DEEP FLAT TRUSSES AND OTHER TYPES OF TRUSSES WITH DEEP ENDS ALSO REQUIRE CLR'S AND DIAGONAL BRACING ON THE LONG WEB MEMBERS AT THE DEEP END OF THE TRUSS.
 - REFER TO BCS-142 AND BCS-143 FOR ADDITIONAL INFORMATION PERTAINING TO WEB MEMBER RESTRAINT AND BRACING.



- BOTTOM CHORD BRACING**
- INSTALL BOTTOM CHORD TEMPORARY LATERAL RESTRAINT (BCTLR) IN ROWS NO MORE THAN 15'-0" o.c.
 - IF NO SHEATHING IS TO BE INSTALLED TO THE UNDERSIDE OF THE BOTTOM CHORDS, INSTALL BOTTOM CHORD PERMANENT LATERAL RESTRAINT AT THE LOCATIONS REQUIRED BY THE TRUSS DESIGN DRAWINGS (OR 10'-0" o.c. MAX.)
 - ADDITIONAL BOTTOM CHORD BRACING IS REQUIRED AT ALL GABLE END WALLS.
 - PROVIDE LATERAL BRACING AT BOTT. CHORD SCISSORS TRUSS SPLICES

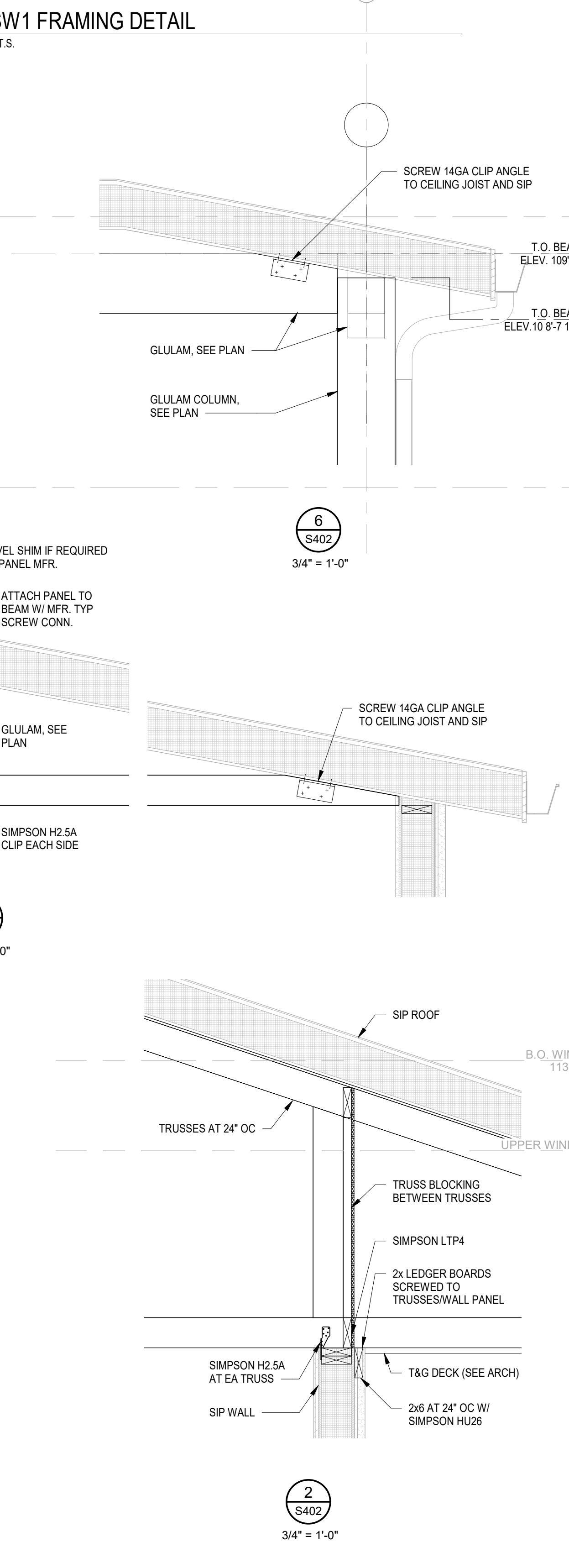
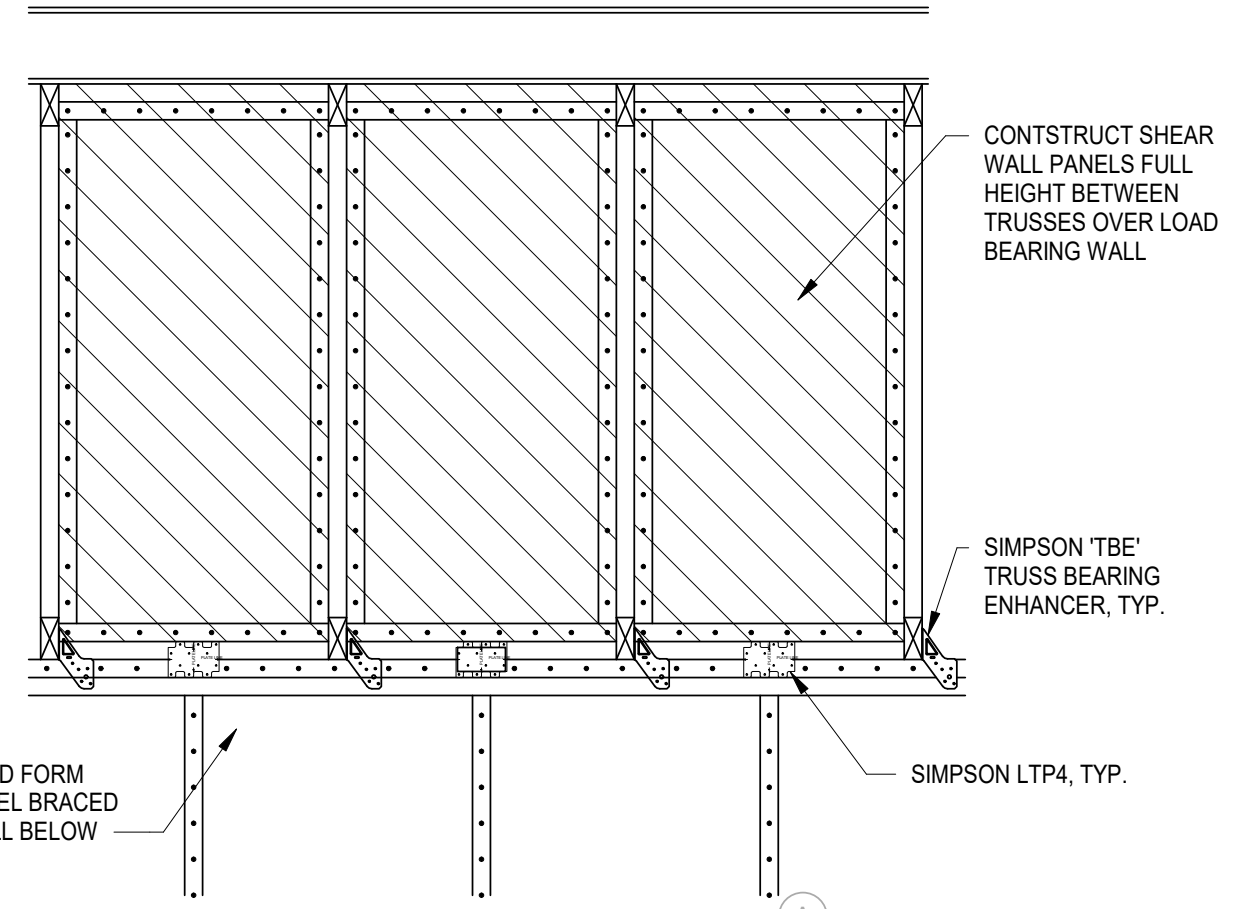
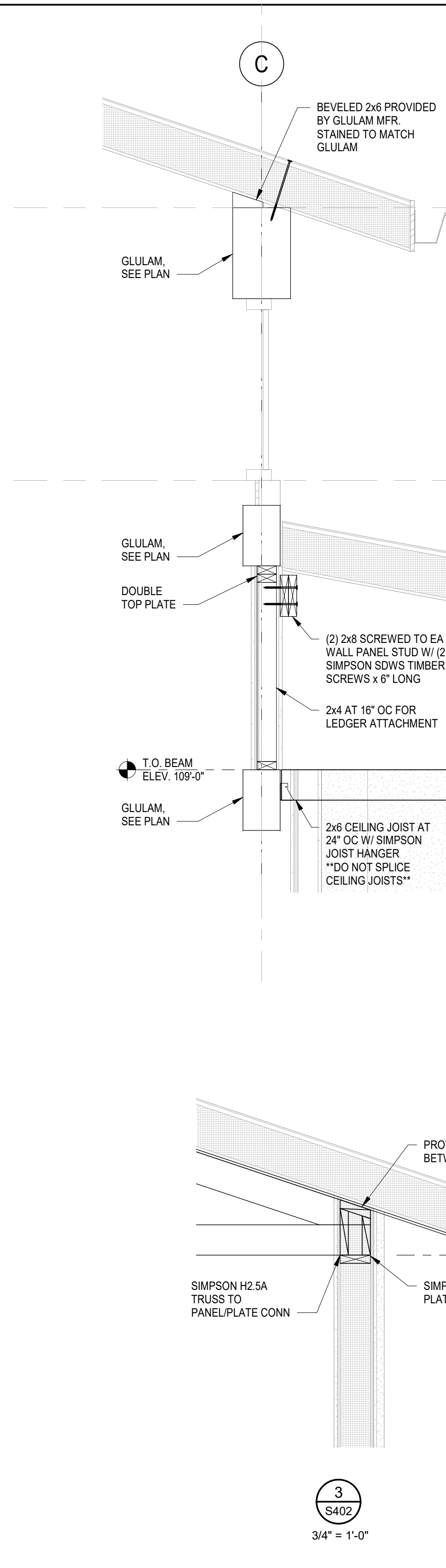


Table 6: Allowable In-Plane Shear Strength (Pounds per Foot) for SIP Shear Walls (Wind and Seismic Loads in Seismic Design Categories A, B, and C)

Spline Type ¹	Nominal SIP Thickness (in.)	Minimum Facing Connections ^{2,3}			Shear Strength (plf)
		Chord ³	Plate ³	Spline ¹	
Block or Surface Spline	4.625	0.131"x 2-1/2" nails, 6" oc	0.131"x 2-1/2" nails, 6" oc	0.131"x 2-1/2" nails, 6" oc	380
	6.625	0.131"x 2-1/2" nails, 6" oc	0.131"x 2-1/2" nails, 6" oc	0.131"x 2-1/2" nails, 6" oc	380
	8.375	0.131"x 2-1/2" nails, 6" oc	0.131"x 2-1/2" nails, 6" oc	0.131"x 2-1/2" nails, 6" oc	400

¹ Maximum shear wall dimensions ratio shall not exceed 2:1 (height: width) for resisting wind or seismic loads.
² Maximum shear wall dimension ratio shall not exceed 1:1 (height: width) for resisting wind or seismic loads.
³ Chords, hold downs and connections to other structural elements must be designed by a registered design professional in accordance with accepted engineering practice.
⁴ Spline type at interior panel-to-panel joints only. Solid chord members are required at each end of each shear wall segment.
 Required connections must be made on each side of the panel. Dimensional or engineered lumber shall have an equivalent specific gravity of 0.42 or greater.

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 2781 SALT SPRINGS ROAD
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CLIENT: STATE OF OHIO DEPARTMENT OF TRANSPORTATION

PROJECT: REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45750 WASHINGTON COUNTY

PROFESSIONAL OF RECORD:
 Craig E. Metzger No. 51417
 EXP. DATE: 12/31/21

PROJECT NO.: 64-12A23-01

SHEET TITLE: FRAMING SECTIONS

SHEET: S402

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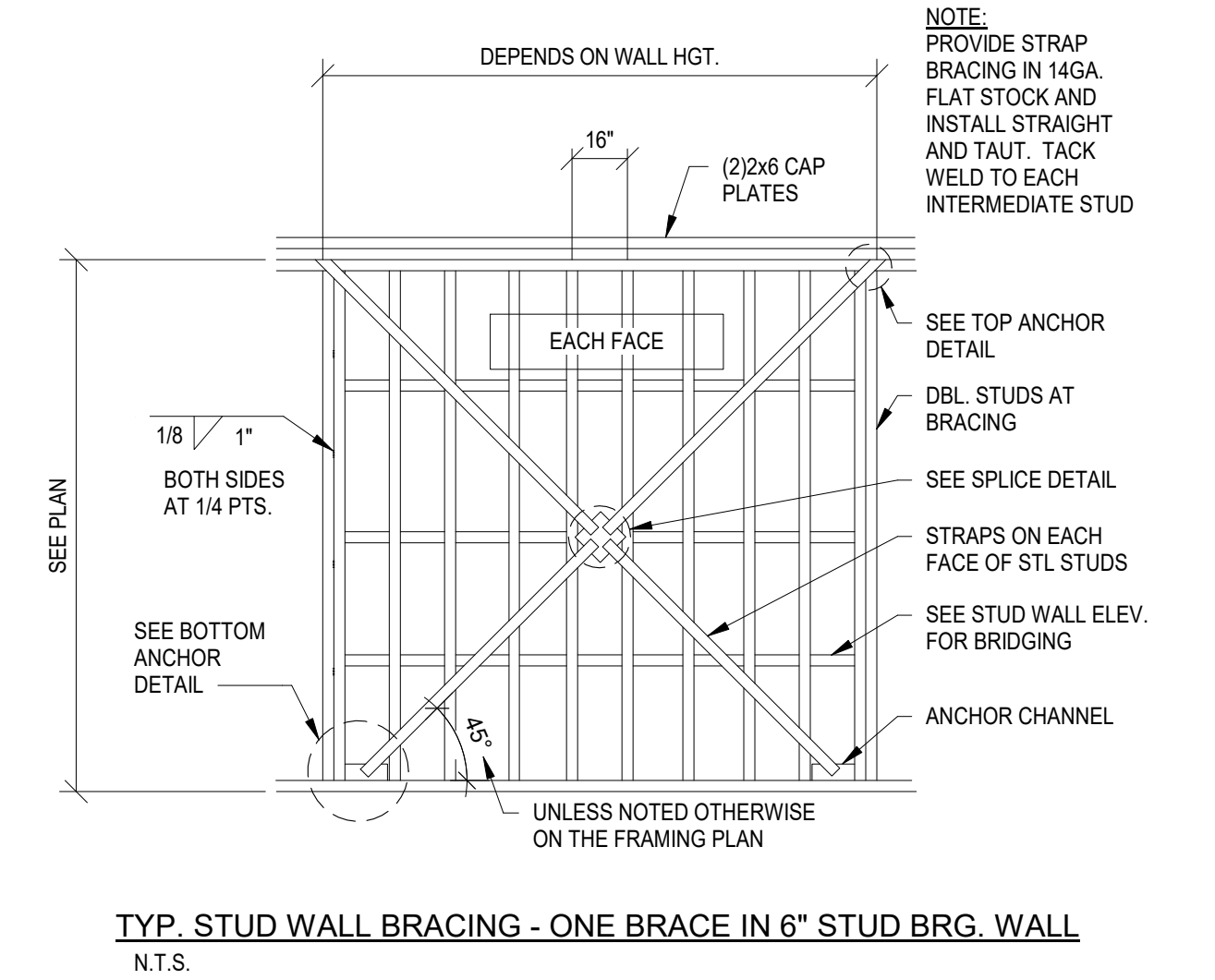
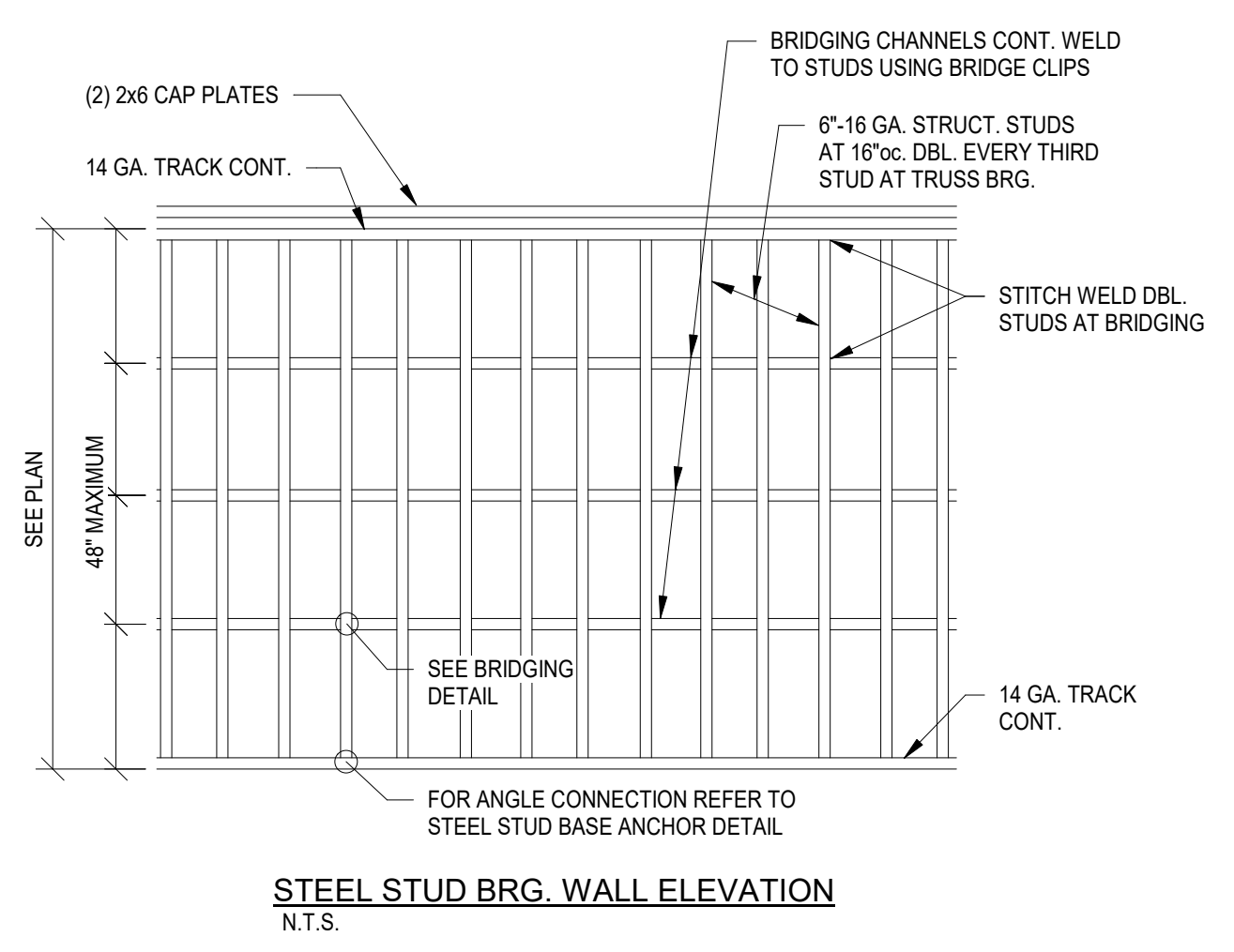
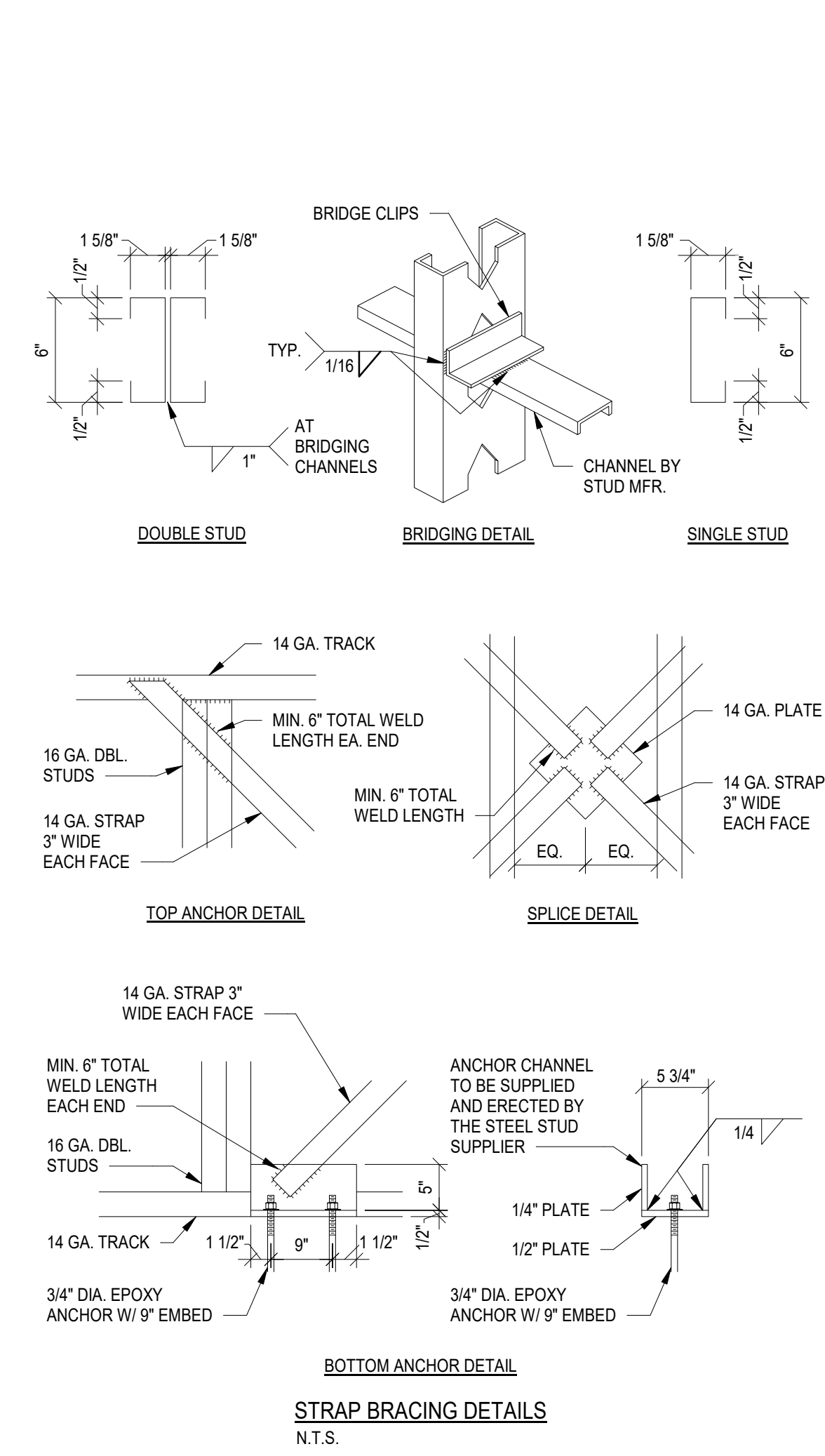
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CLIENT

REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45750
WASHINGTON COUNTY



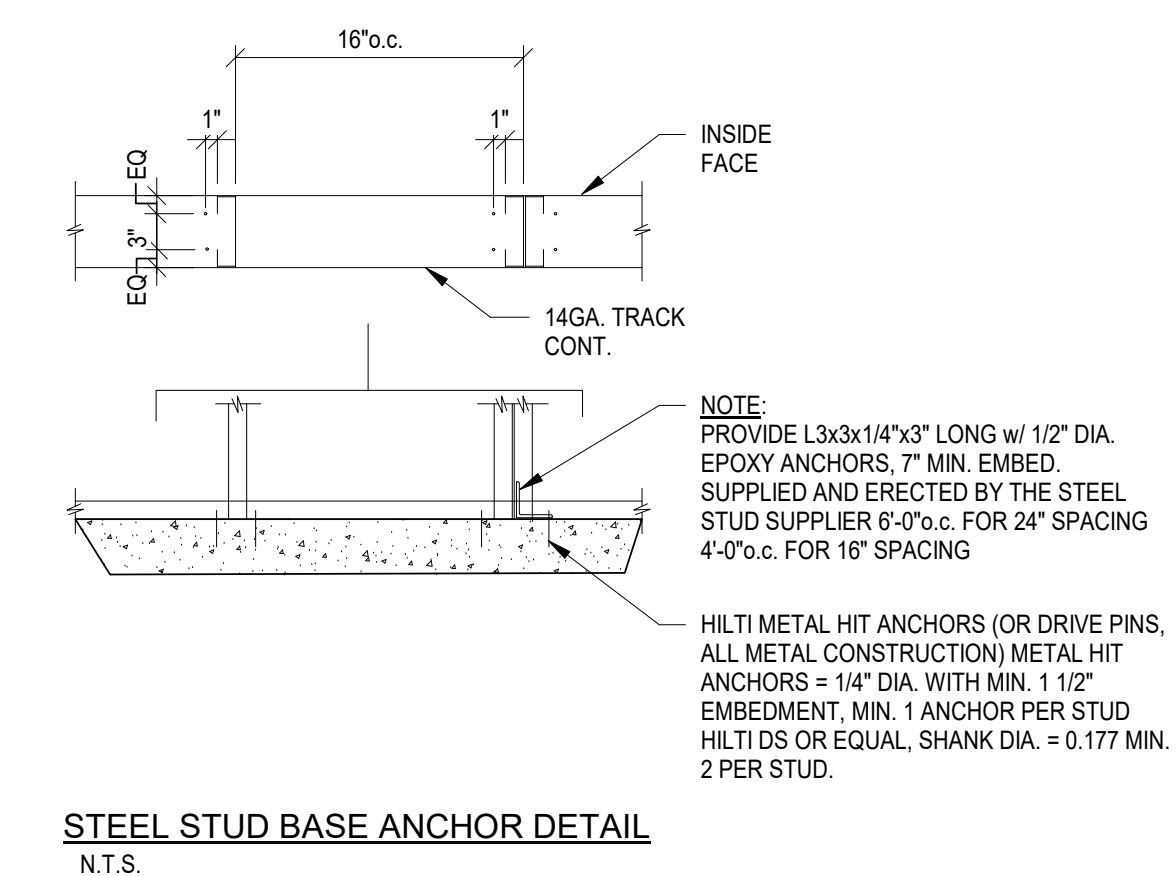
STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) DESIGNATION AND NOMENCLATURE

600S162-54

Member Depth (Example: 6"=600x1/100 inches) All member depths are taken in 1/100inches. For all "T" sections, member depth is to inside dimension	Material Thickness (Example: 0.054 in. = 54 mils; 1 mil = 1/1000 in.) Material thickness is the minimum base metal thickness in mils. Minimum base thickness represents 95% of the design thickness.
Style (Example: Stud or Joist section = S) S = Stud or Joist Sections T = Track Sections SG = SigmaStud Section (Steel Network) JS = JamStud Section (Steel Network)	Flange Width (Example: 1 5/8" = 1.625" = 162x1/100 inches) All flange widths are taken in 1/100 inches.

GAUGE	22	20	18	16	14	12
MILS	27	33	43	54	68	97

CF1 COLD FORMED STEEL NOMENCLATURE
12" = 1'-0"



PROFESSIONAL OF RECORD:
Craig E. Metzger No.51417
EXP. DATE: 12/31/21

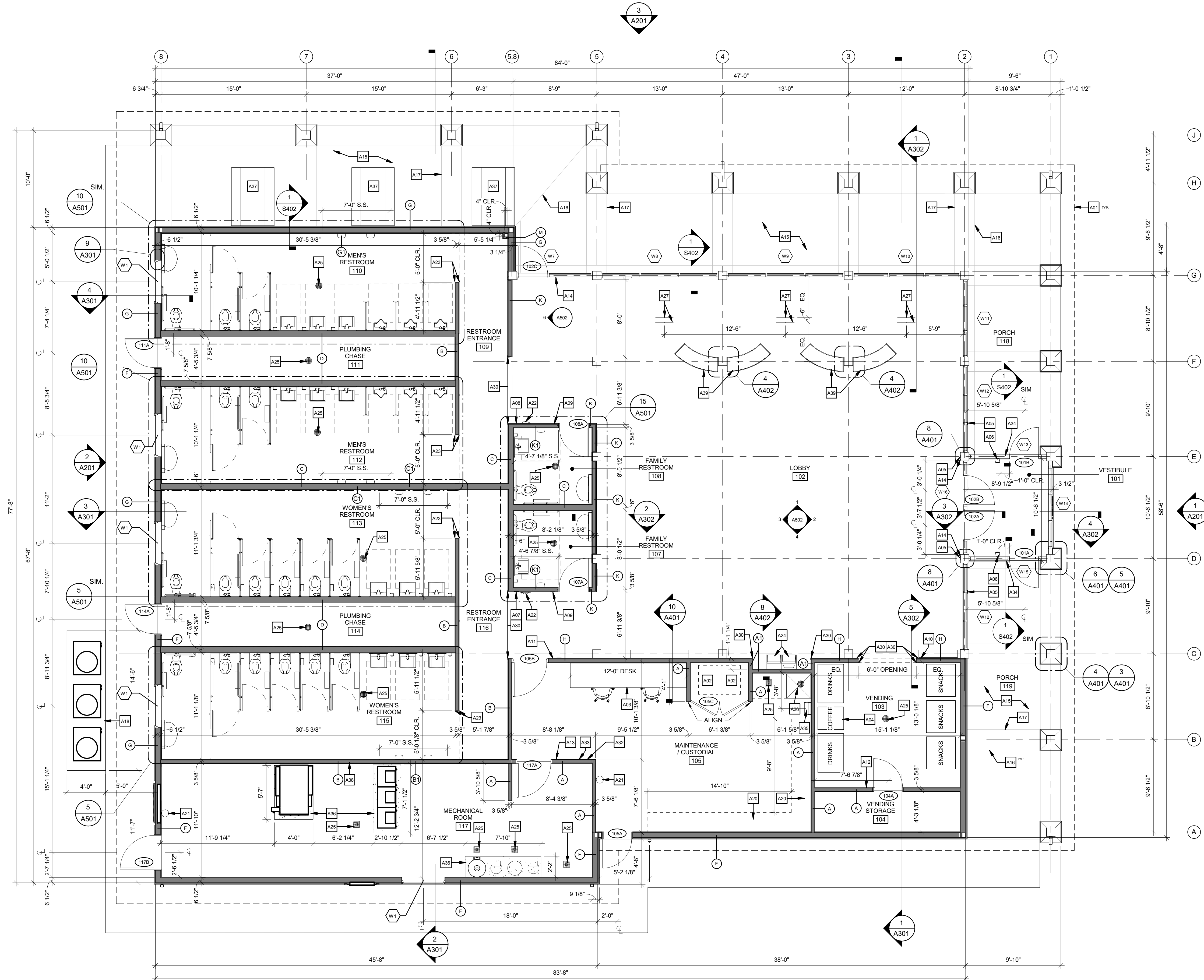
PROJECT NO. 64-12A23-01

SHEET TITLE FRAMING SECTIONS

SHEET **S403**

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6/30/2021 9:40:14 AM



1 FLOOR PLAN
3/16" = 1'-0"
NORTH

GENERAL NOTES

- DIMENSIONS ARE TO FACE OF STUD OR SIP& PANEL UNLESS NOTED OTHERWISE.
- REF. SHEET G002 AND PROJECT SPECIFICATIONS FOR WALL TYPES AND ASSEMBLIES INFORMATION.
- THE PROVIDED MANUFACTURER'S SIP& PANEL ASSEMBLIES SHALL INCLUDE WIRE CHASES AT WALL CAVITIES FOR ELECTRICAL EQUIPMENT AND OUTLETS. COORDINATE WITH ELECTRICAL DRAWINGS.
- TIE DOWNSPOUTS INTO UNDERGROUND DRAINAGE SYSTEM, TYP.
- ALL INTERIOR DOOR JAMBS ARE LOCATED 4" FROM THE FACE OF ADJACENT WALL UNLESS NOTED OTHERWISE.
- OTHER DOOR DIMENSIONS ARE TO THE DOOR CENTERLINE UNLESS NOTED OTHERWISE.

KEY NOTES

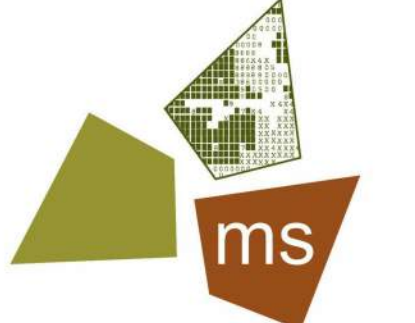
- A01 LINE OF EAVE ABOVE
- A02 DATA RACK PROVIDED AND INSTALLED BY OWNER
- A03 SOLID SURFACE DESK; REF. 10/A401
- A04 VENDING MACHINES N.I.C. (TYPICAL OF 6)
- A05 AUTOMATIC DOOR OPENER PUSH BUTTON
- A06 PEDESTAL WITH DUAL AUTOMATIC DOOR OPENER PUSH BUTTONS
- A07 ACCESSIBLE WOMENS RESTROOM SIGN, REF. SHEET A601
- A08 ACCESSIBLE MENS RESTROOM SIGN, REF. SHEET A601
- A09 ACCESSIBLE FAMILY RESTROOM SIGN, REF. SHEET A601
- A10 ACCESSIBLE VENDING ROOM SIGN, REF. SHEET A601
- A11 ACCESSIBLE MAINTENANCE ROOM SIGN, REF. SHEET A601
- A12 ACCESSIBLE VENDING STORAGE SIGN, REF. SHEET A601
- A13 ACCESSIBLE MECHANICAL ROOM SIGN, REF. SHEET A601
- A14 ACCESSIBLE EXIT SIGN, REF. SHEET A601
- A15 CONCRETE SIDEWALK WITH BROOM FINISH, REF. STRUCT. DWG'S.
- A16 TOOLED CONTROL JOINT U.N.O. SEE STRUCTURAL
- A17 CONTROL JOINT, REF. STRUCTURAL DWG'S.
- A18 8" CONCRETE EQUIPMENT PAD, REF. MECH. AND STRUCT. DWG'S.
- A20 HEAVY DUTY METAL SHELVING TO BE ANCHORED TO WALL; BLOCKING TO BE PROVIDED IN WALLS
- A21 WALL MOUNT FIRE EXTINGUISHER
- A22 RECESSED FIRE EXTINGUISHER CABINET
- A23 ROUNDED METAL TILE FINISHING EDGE AND CORNER PROTECTION
- A24 DRINKING FOUNTAIN
- A25 FLOOR DRAIN, REF. PLUMBING DWG'S.
- A26 MOP SINK; REF. PLUMBING DWG'S.
- A27 CABLE HUNG GRAPHIC AND CABLES TO BE PROVIDED AND INSTALLED BY OHIO TOURISM, N.I.C., REF. 1/A502
- A30 STAINLESS STEEL CORNER GUARD
- A32 KEY CONTROL CABINET
- A33 EMERGENCY KEY CABINET
- A34 MOUNT SIGN ADJACENT TO DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED"; SIGN SHALL BE IN LETTERS 1" (25mm) HIGH ON A CONTRASTING BACKGROUND AND INSTALLED BY GC
- A35 PAPER TOWEL DISPENSER PROVIDED BY CONTRACTING AUTHORITY AND INSTALLED BY GC
- A36 4" CONCRETE EQUIPMENT PAD, REF. MECH. AND STRUCT. DWG'S.
- A37 PICNIC TABLES
- A38 EXTEND THIS WALL TO UNDERSIDE OF ROOF DECK ABOVE
- A39 CURVED BENCH

DRAWN BY: RLH

CHECKED BY: SA
APPROVED BY:

ISSUE DATE: 7/2/21

REVISION		
#	DATE	DESCRIPTION
2/8/21	SD SUBMISSION	
4/7/21	DD PROGRESS	
4/21/21	DD SUBMISSION	
6/18/21	CD PROGRESS	
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CONSULTING
2781 SALT SPRINGS ROAD
YOUNGSTOWN, OHIO 44509



CLIENT: STATE OF OHIO DEPARTMENT OF TRANSPORTATION
PROJECT: REST AREA BUILDING REPLACEMENT
MARIETTA, OHIO 45750
WASHINGTON COUNTY

PROJECT: REST AREA BUILDING REPLACEMENT

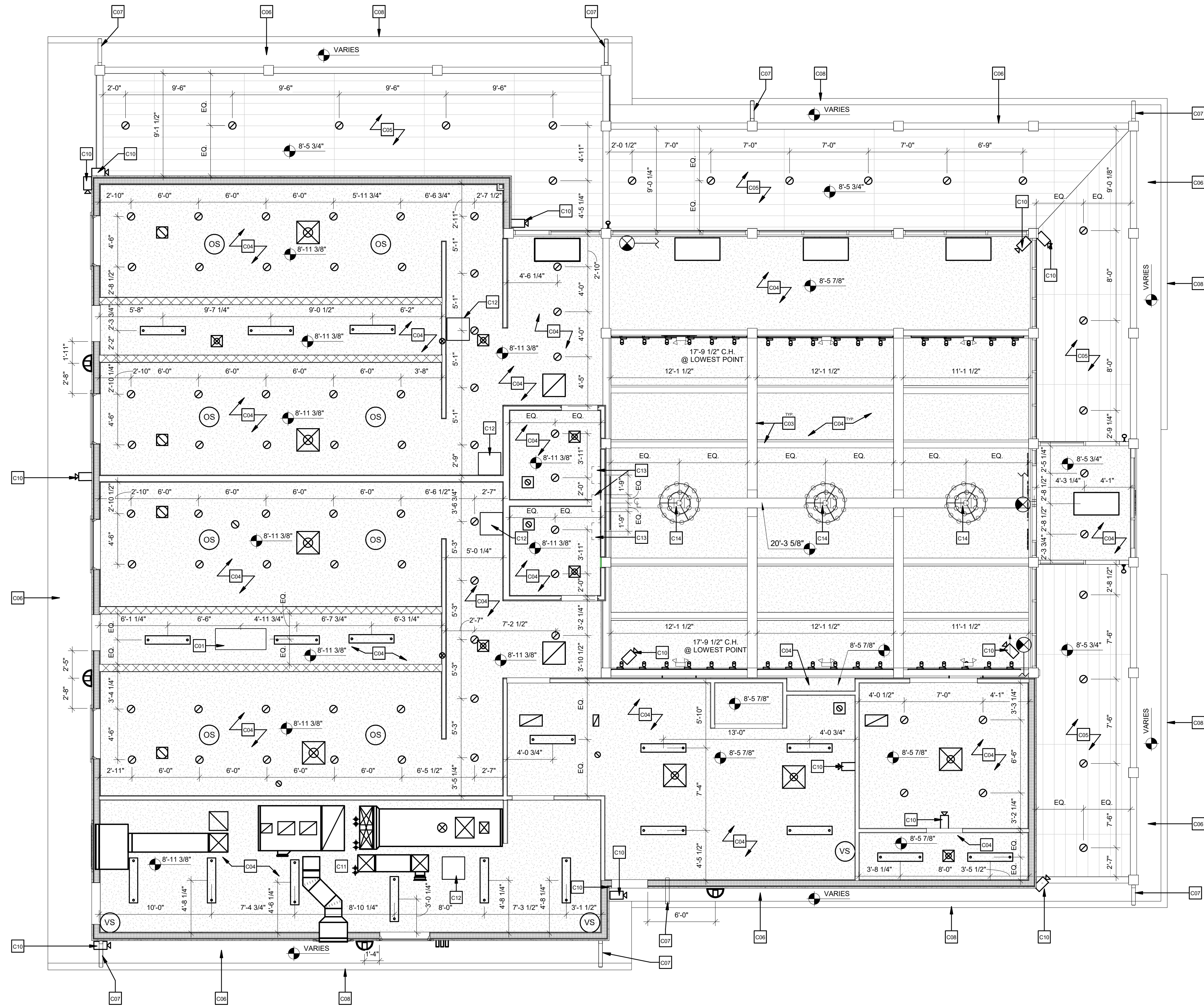
PROJECT NO.: 64-12A23-00

SHEET TITLE: FLOOR PLAN

SHEET: A101

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1 REFLECTED CEILING PLAN
3/16" = 1'-0"



GENERAL NOTES

- DIMENSIONS ARE TO FACE OF STUD OR SIPs PANEL UNLESS NOTED OTHERWISE.
- SEE SHEET G102 FOR WALL TYPES.
- 100.00' FINISH FLOOR ELEVATION IS USED FOR SIMPLICITY OF DRAWINGS (ACTUAL ELEVATION WILL VARY BY LOCATION).
- REF. VIDEO SURVEILLANCE DRAWINGS FOR SECURITY CAMERA LOCATIONS.
- APPLY TRANSPARENT ANTI-GRAFFITI COATING TO ALL WOOD STRUCTURE (INTERIOR & EXTERIOR SURFACES) AFTER ASSEMBLY BUT PRIOR TO INSTALLING WALLS, STOREFRONT, SIPs ROOFING PANELS, ETC.
- GENERAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES ALL SYSTEMS PRESENT IN THE ATTIC SPACE TO BE LABELED AND INSTALLED FOR ADEQUATE ACCESS.

KEY NOTES

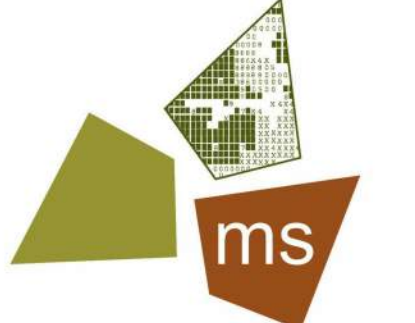
- C01 ATTIC ACCESS LADDER AND 22 1/2" x 64" ATTIC ACCESS PANEL TO BE PROVIDED BETWEEN ROOF TRUSSES. PROVIDE (6) SHEETS OF 48x96 EXTERIOR GRADE PLYWOOD SHEATHING TO BE INSTALLED IN ATTIC AT THE DIRECTION OF THE OWNER.
- C03 STRUCTURAL MEMBERS, REF. STRUCT. DWGS.
- C04 5/8" TYPE "X" FINISHED GYPSUM WALLBOARD
- C05 POLYMER COMPOSITE V-GROOVED TONGUE AND GROOVE SOFFIT WITH VENTS RUNNING LENGTH-WISE ALONG ONE THIRD OF THE PANEL
- C06 FINISHED FIBER-CEMENT NON-VENTED SOFFIT BOARD
- C07 3" x 5" MT/LALUM/STL FINISHED DOWNSPOUT
- C08 6" x 6" MT/LALUM/STL FINISHED BEVELED GUTTER
- C09 SECURITY CAMERA, REF. VIDEO SURVEILLANCE SYSTEM DRAWINGS
- C10 COORDINATE LIGHTING LOCATIONS WITH MECHANICAL DUCTWORK AND EQUIPMENT. DIMENSIONS ARE AN APPROXIMATE
- C12 24" X 24" ACCESS PANEL; REF. PLUMB. DWGS.
- C13 (3) POWERED CHANDELIER LIFTS WALL MOUNTED IN ATTIC SPACE ABOVE FAMILY RESTROOMS; REF. ELEC. DWGS.
- C14 BUILD-OUT BELOW BEAM FOR CHANDELIER PULLEY EQUIPMENT, REF. DETAIL 4/A402 AND ELEC. DWGS.

LEGEND

- 6" RECESSED CAN LIGHT
- SUSPENDED LINEAR LIGHT FIXTURE
- WALL MOUNTED EXIT SIGN
- ACCESS PANEL
- VACANCY SENSOR
- EXHAUST FAN
- AIR DIFFUSER
- RETURN AIR
- OCCUPANCY SENSOR
- EMERGENCY WALL LIGHT
- SECURITY CAMERA
- TRACK LIGHTING
- CHANDELIER
- RADIANT CEILING PANEL
- EXTERIOR LIGHT FIXTURE
- EXTERIOR EMERGENCY LIGHT FIXTURE
- VENTED SOFFIT PANEL

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CHECKED BY	SA
APPROVED BY	
ISSUE DATE	7/2/21

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PROJECT
REST AREA BUILDING REPLACEMENT

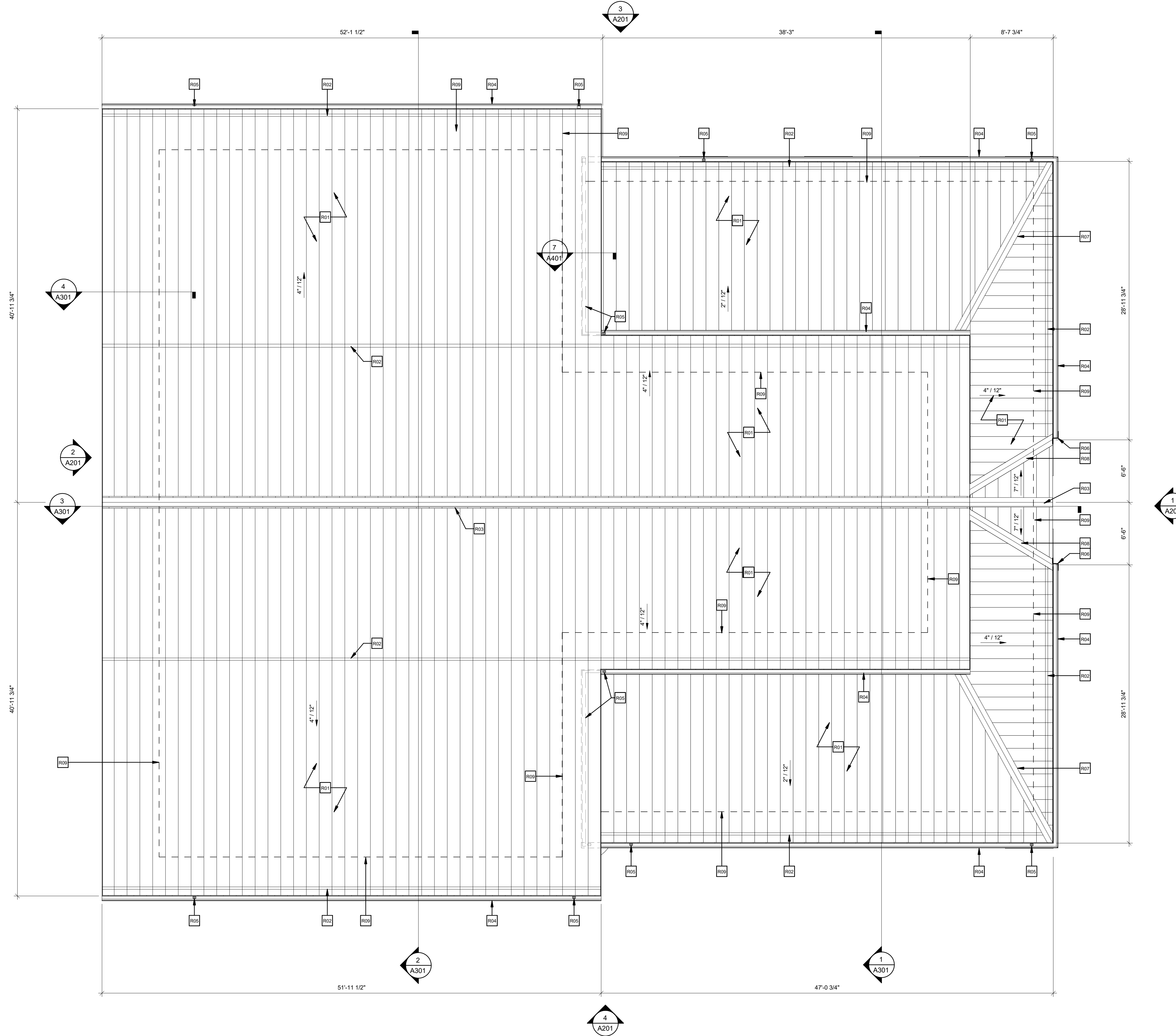
MARIETTA, OHIO 45750
WASHINGTON COUNTY

PROJECT NO.	64-12A23-00
SHEET TITLE	REFLECTED CEILING PLAN
SHEET	A102

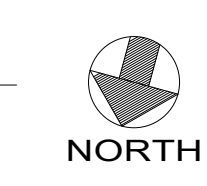
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1 ROOF PLAN
3/16" = 1'-0"



GENERAL NOTES

1. REFER TO PLUMBING SHEETS FOR VTR ROUTING.
2. APPLY TRANSPARENT ANTI-GRAFFITI COATING TO ALL WOOD STRUCTURE (INTERIOR & EXTERIOR SURFACES) AFTER ASSEMBLY BUT PRIOR TO INSTALLING WALLS, STOREFRONT, SIPS ROOFING PANELS, ETC.
3. IN ADDITION TO WHAT IS GRAPHICALLY SHOWN ON ROOF PLAN SHEET A103, THE ICE AND WATER SHIELD IS TO EXTEND UP THE VALLEYS ABOVE THE ENTRANCE VESTIBULE, EAVES, HEADWALLS, SIDEWALLS, ANY PENETRATIONS, AND CLERESTORY WINDOW SILLS.
4. SEE SHEETS A301, A401, A402, AND A403 FOR ENLARGED STANDING SEAM METAL ROOF PANELS. DETAILS BASED ON DIMENSIONAL METAL INC - BASIS OF DESIGN.
5. FASCIA TO RECEIVE MFR, RECOMMENDED FINISHED METAL STARTER STRIP/DRIP EDGE AND FINISHED METAL TRIM AT ALL LOCATIONS.
6. INSTALL ROOFING SYSTEMS AND RELATED COMPONENTS IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTALLATION DETAILS.
7. VERIFY AND COORDINATE LOCATION OF ALL ROOF PENETRATIONS WITH STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEM REQUIREMENTS.
8. ALL ROOF PENETRATIONS REQUIRE PRESSURE TREATED 2X WOOD BLOCKING AT CONT. PERIMETER FOR FLASHING ATTACHMENT. OMISSION OF ANY ACCESSORY IN THE ROOF PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITIES FOR SUCH ITEMS.
9. SEE PROJECT SPECIFICATIONS MANUAL FOR ALL REQUIRED EXTERIOR FINISH INFORMATION AND DETAILS.

KEY NOTES

- R01 STANDING SEAM METAL ROOF PANELS
- R02 METAL SNOW GUARD
- R03 RIDGE CAP
- R04 6" x 6" BEVELED GUTTER
- R05 3" x 5" DOWNSPOUT
- R06 GUTTER SPLASH GUARD, COLOR TO MATCH GUTTERS AND STANDING SEAM METAL ROOF
- R07 METAL HIP CAP
- R08 METAL VALLEY TRIM
- R09 ICE AND WATER SHIELD TO EXTEND 24" INSIDE THE EXTERIOR FACE OF WALL

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DEPARTMENT OF TRANSPORTATION

PROJECT
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WASHINGTON COUNTY

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PROJECT NO.	64-12A23-00
SHEET TITLE	ROOF PLAN
SHEET	A103

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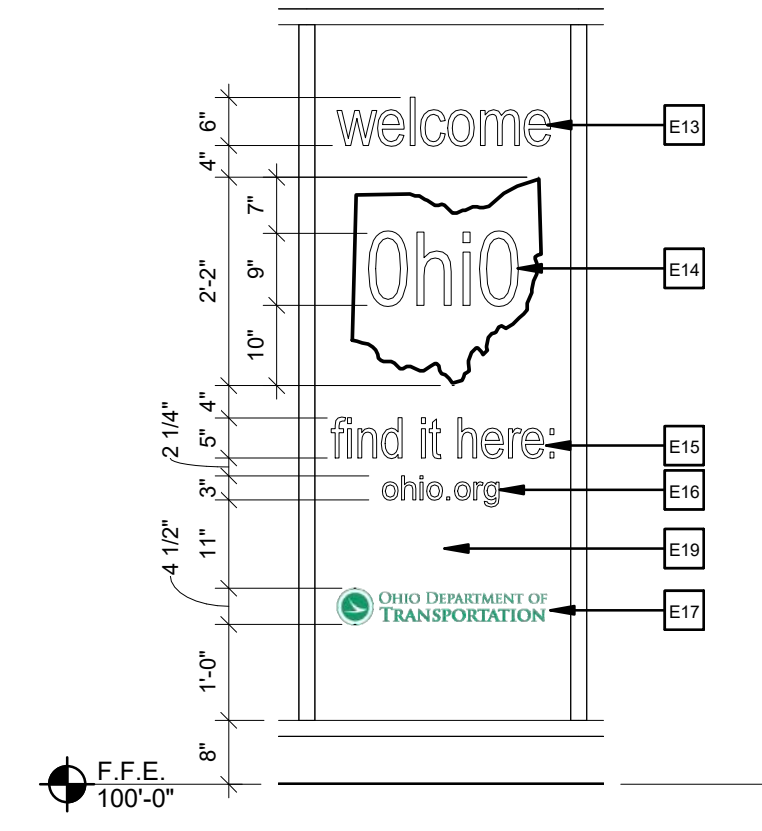
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GENERAL NOTES

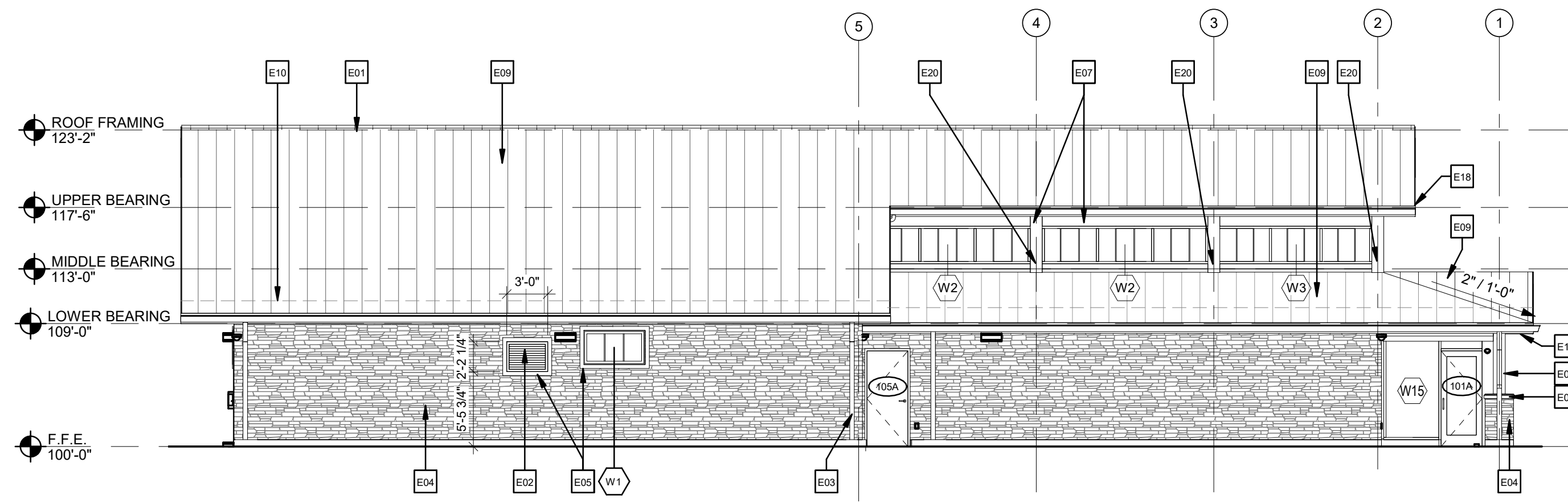
- 100.00' FINISH FLOOR ELEVATION IS USED FOR SIMPLICITY OF DRAWINGS (ACTUAL ELEVATION WILL VARY BY LOCATION).
- APPLY TRANSPARENT ANTI-GRAFFITI COATING TO ALL WOOD STRUCTURE (INTERIOR & EXTERIOR SURFACES) AFTER ASSEMBLY BUT PRIOR TO INSTALLING WALLS, STOREFRONT, SIPS ROOFING PANELS, ETC.
- FOR DOOR AND WINDOW TYPE INFORMATION, REFER TO SHEET A602.
- ALL EXPOSED PORTIONS OF THE CONCRETE FOUNDATION ARE TO HAVE A SMOOTH RUBBED FINISH.

KEY NOTES

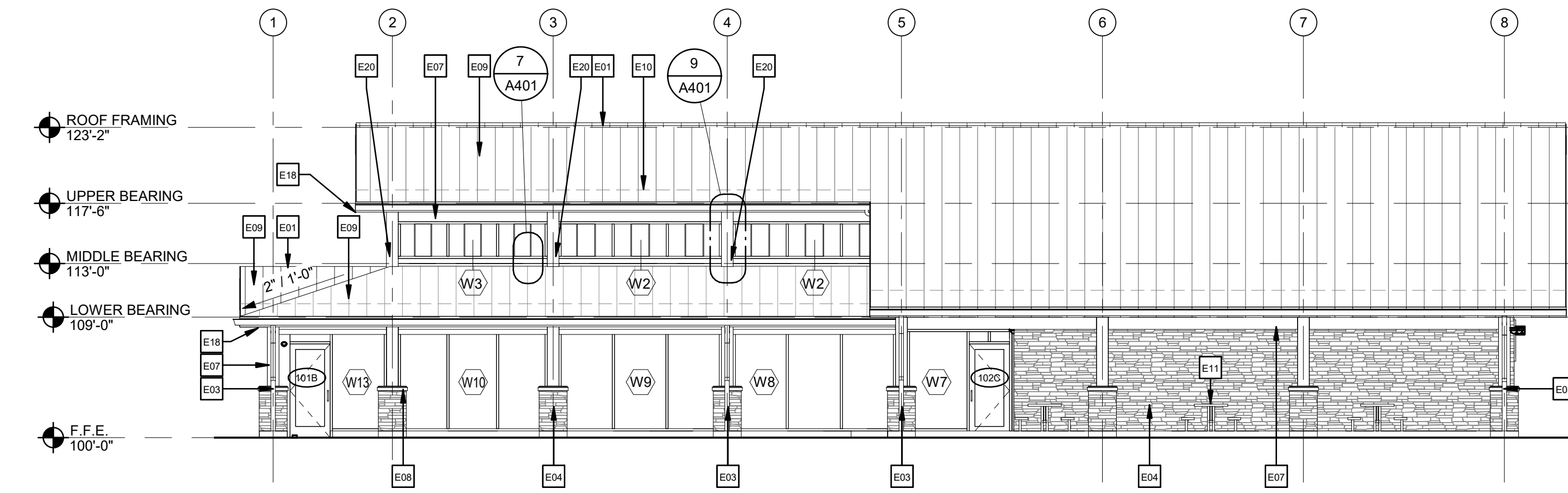
- E01 RIDGE CAP
- E02 LOUVER, REF. MECHANICAL DWG'S.
- E03 3" x 5" DOWNSPOUT AND BOOT; TIE ALL DOWNSPOUTS TO UNDERGROUND DRAINAGE SYSTEM, TYP.
- E04 ADHERED MASONRY VENEER
- E05 FIBER-CEMENT TRIM BOARD
- E06 FIBER-CEMENT SHINGLE SIDING
- E07 GLUED-LAMINATED CONSTRUCTION, REF. STRUCT. DWG'S.
- E08 LIMESTONE CAP
- E09 STANDING SEAM METAL ROOF PANELS
- E10 METAL SNOW GUARD
- E11 PICNIC TABLES TO BE PROVIDED BY CONTRACTING AUTHORITY
- E12 PEDESTAL WITH DUAL AUTOMATIC DOOR OPENER PUSH BUTTONS
- E13 6" TALL DECAL INSIDE OF 1/2" WIDE OHIO SHAPE DECAL. FONT AND COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS. LETTERS TO BE CENTERED VERTICALLY WITHIN OHIO SHAPE DECAL. INSTALLATION BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- E14 9" TALL DECAL. FONT AND COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS. INSTALLATION BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- E15 5" TALL DECAL. FONT AND COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS. INSTALLATION BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- E16 3" TALL DECAL. FONT AND COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS. INSTALLATION BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- E17 OHIO DEPARTMENT OF TRANSPORTATION LOGO DECAL. FONT AND COLOR TO BE SELECTED BY OHIO TOURISM; INSTALLATION BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- E18 1X10 FIBER CEMENT FASCIA
- E19 N.I.C. SPACE RESERVED FOR OHIO TOURISM SIGNAGE
- E20 ROOF FLASHING



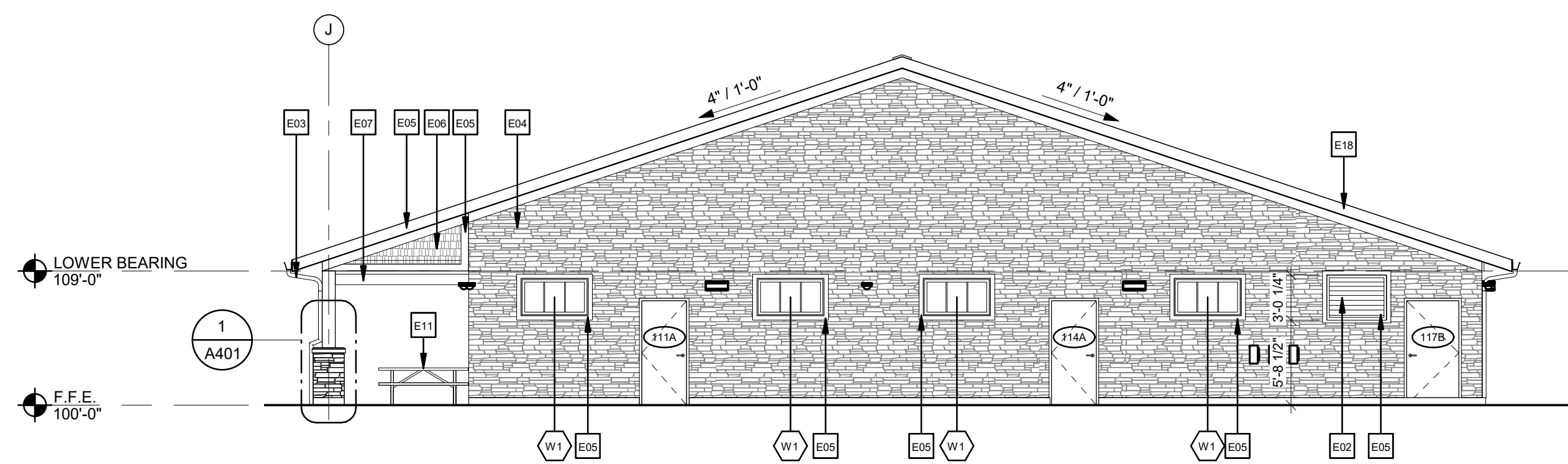
5 ENTRANCE SIGNAGE
1/2" = 1'-0"



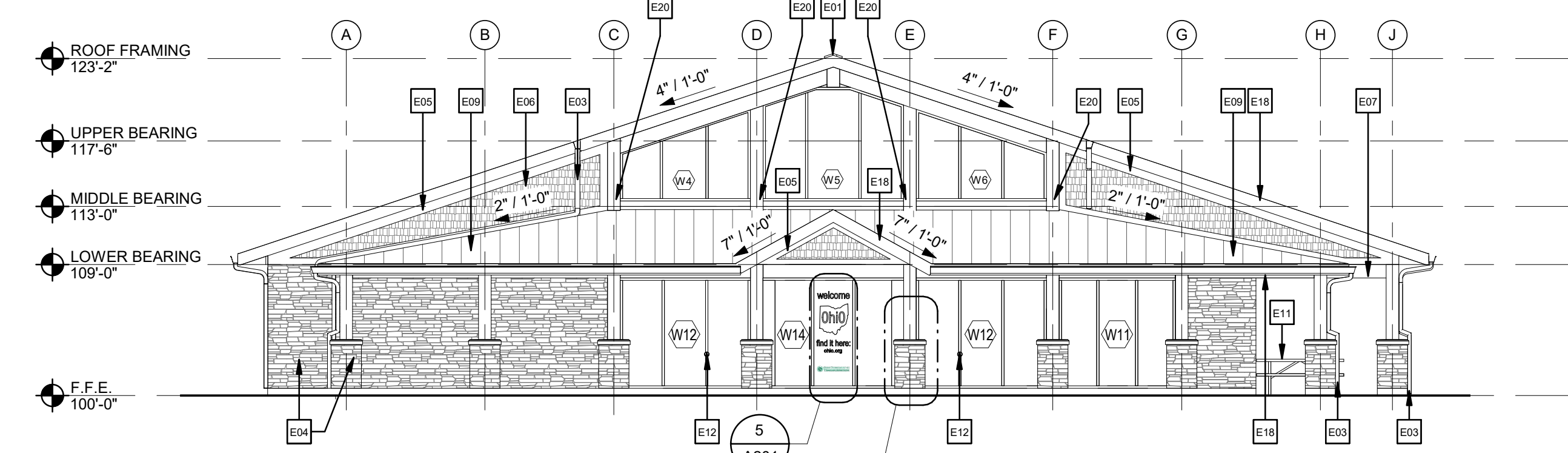
4 NORTH ELEVATION
1/8" = 1'-0"



3 SOUTH ELEVATION
1/8" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"



1 WEST ELEVATION
1/8" = 1'-0"

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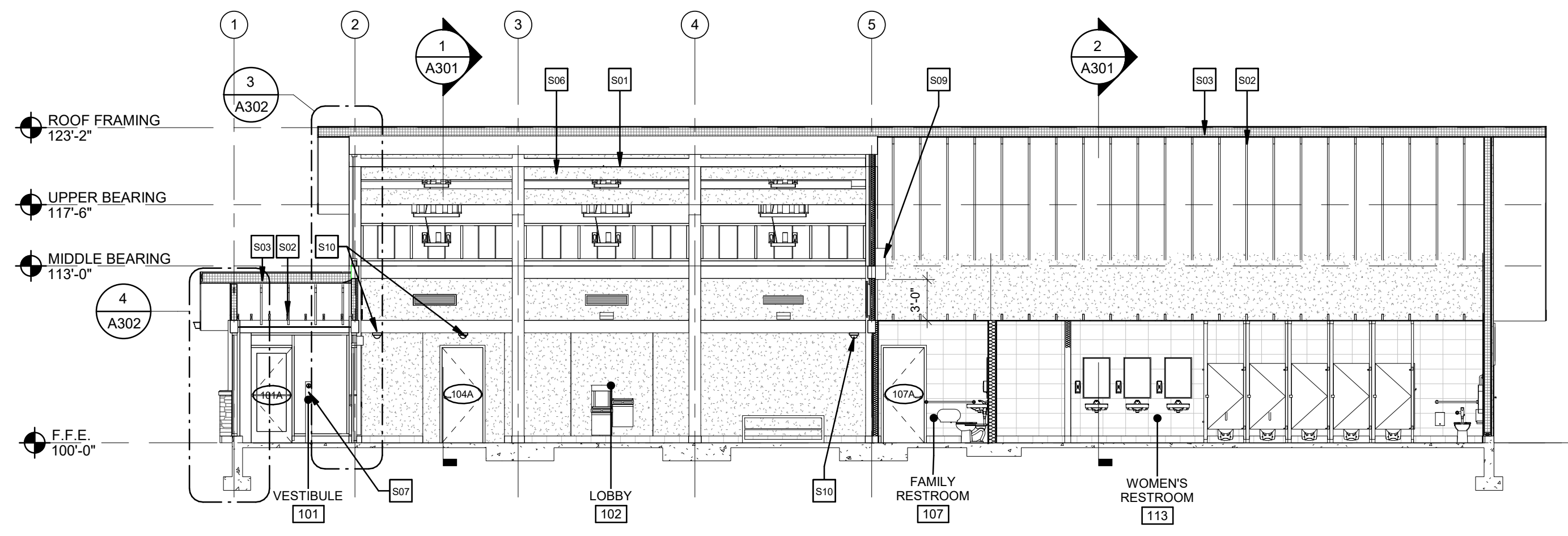
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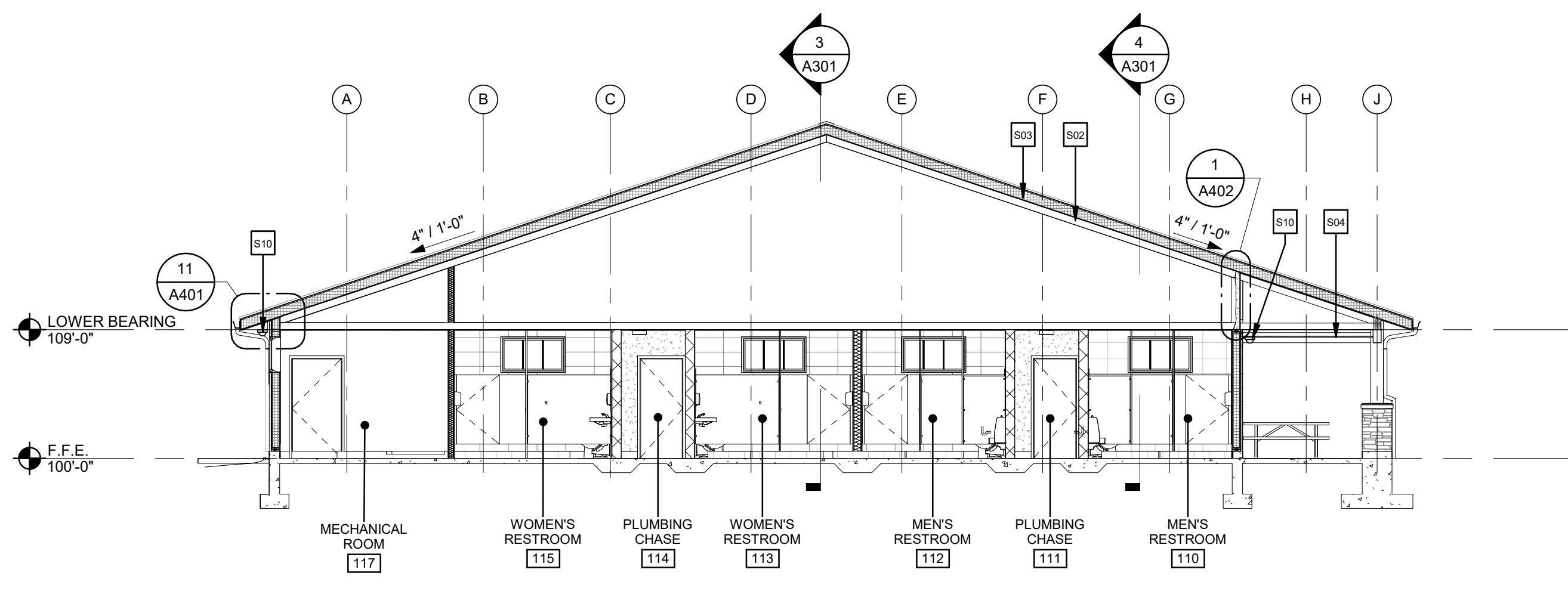
SHEET TITLE
EXTERIOR ELEVATIONS

SHEET
A201

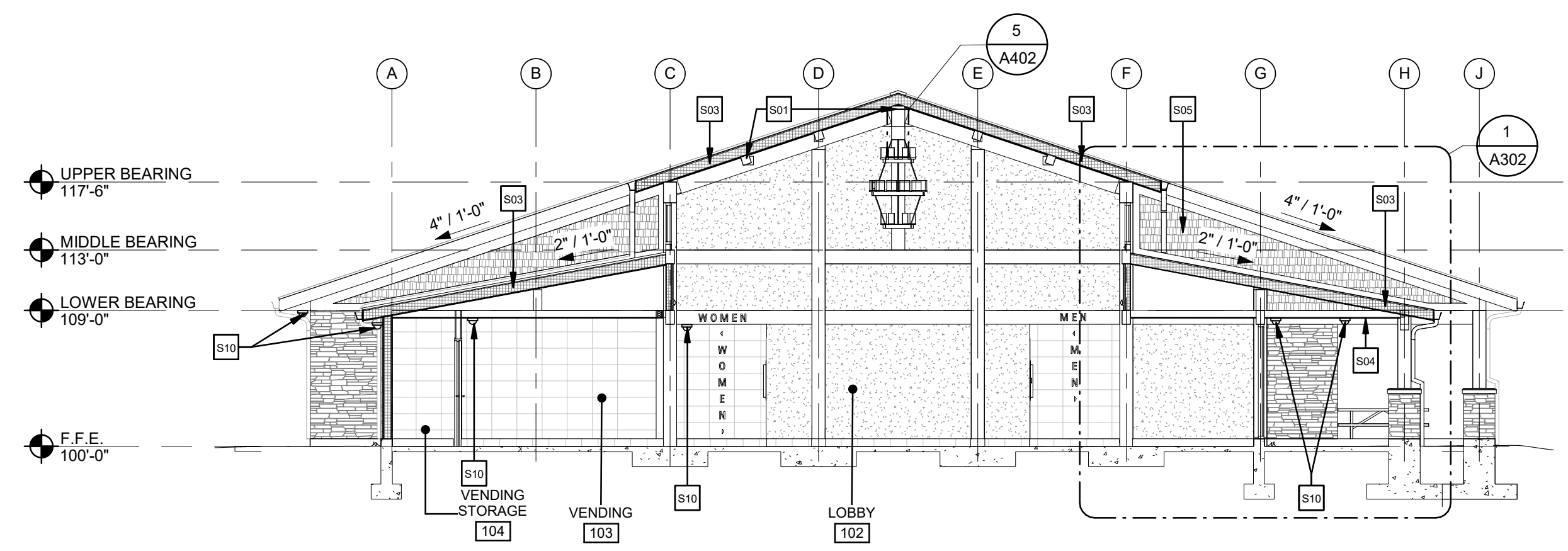
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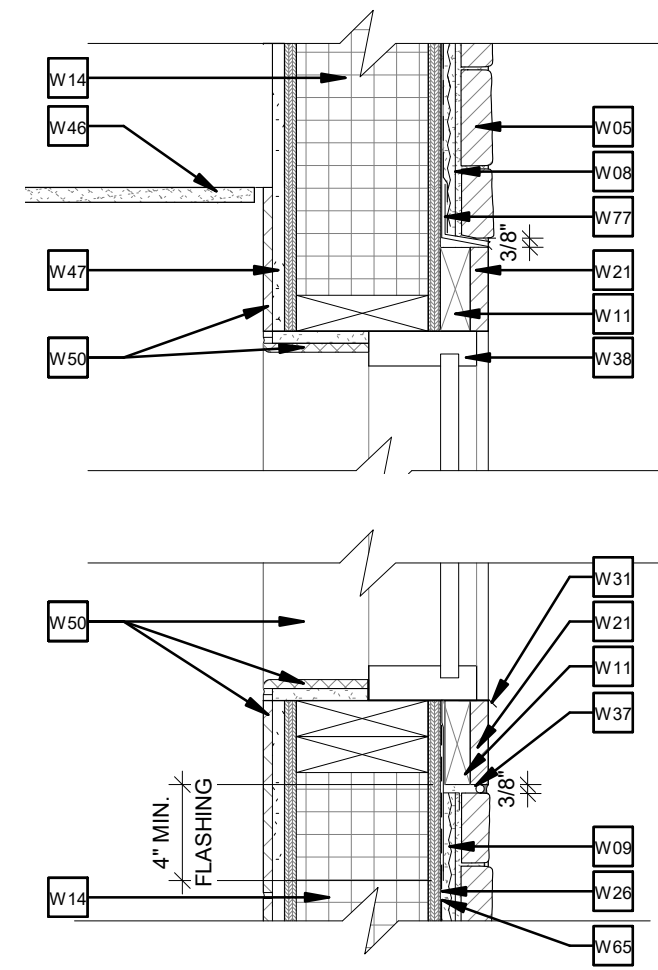
3 CROSS-SECTION
1/8" = 1'-0"



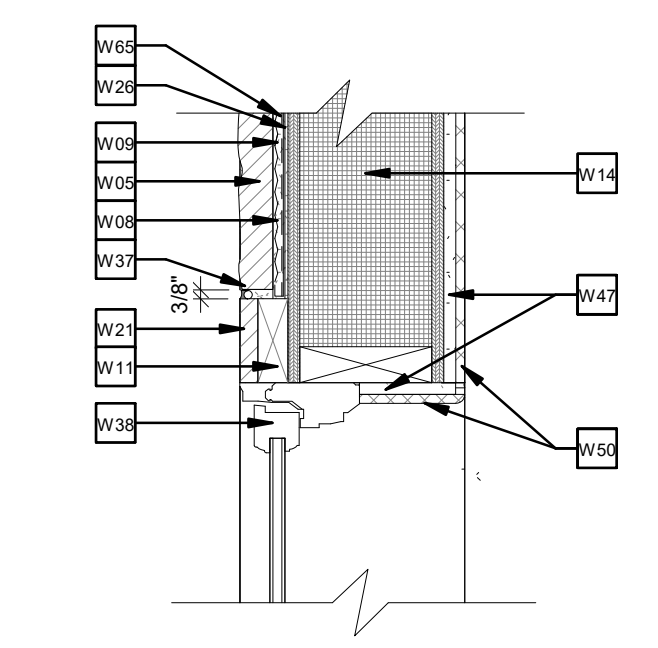
2 CROSS-SECTION
1/8" = 1'-0"



1 CROSS-SECTION
1/8" = 1'-0"

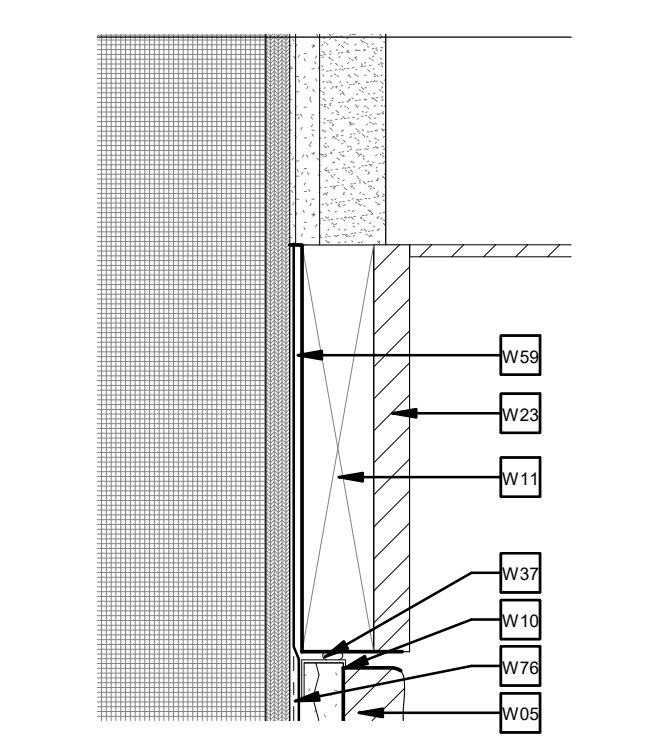


5 TYP. WINDOW SILL & HEADER DETAIL
1 1/2" = 1'-0"

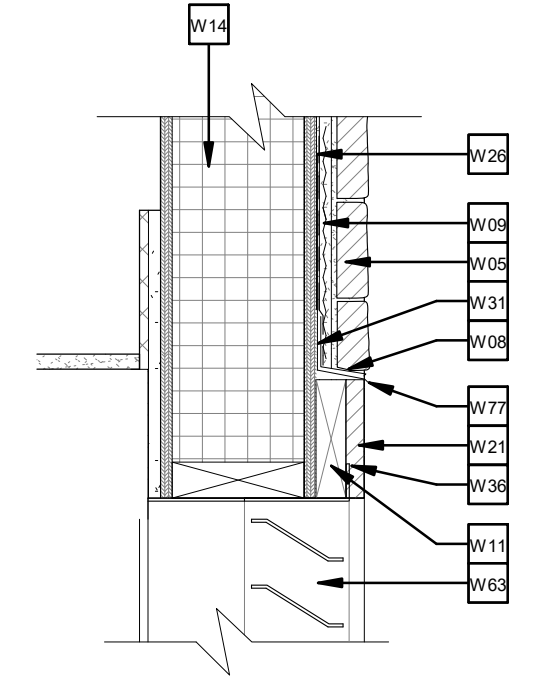


9 TYP. WINDOW JAMB
1 1/2" = 1'-0"

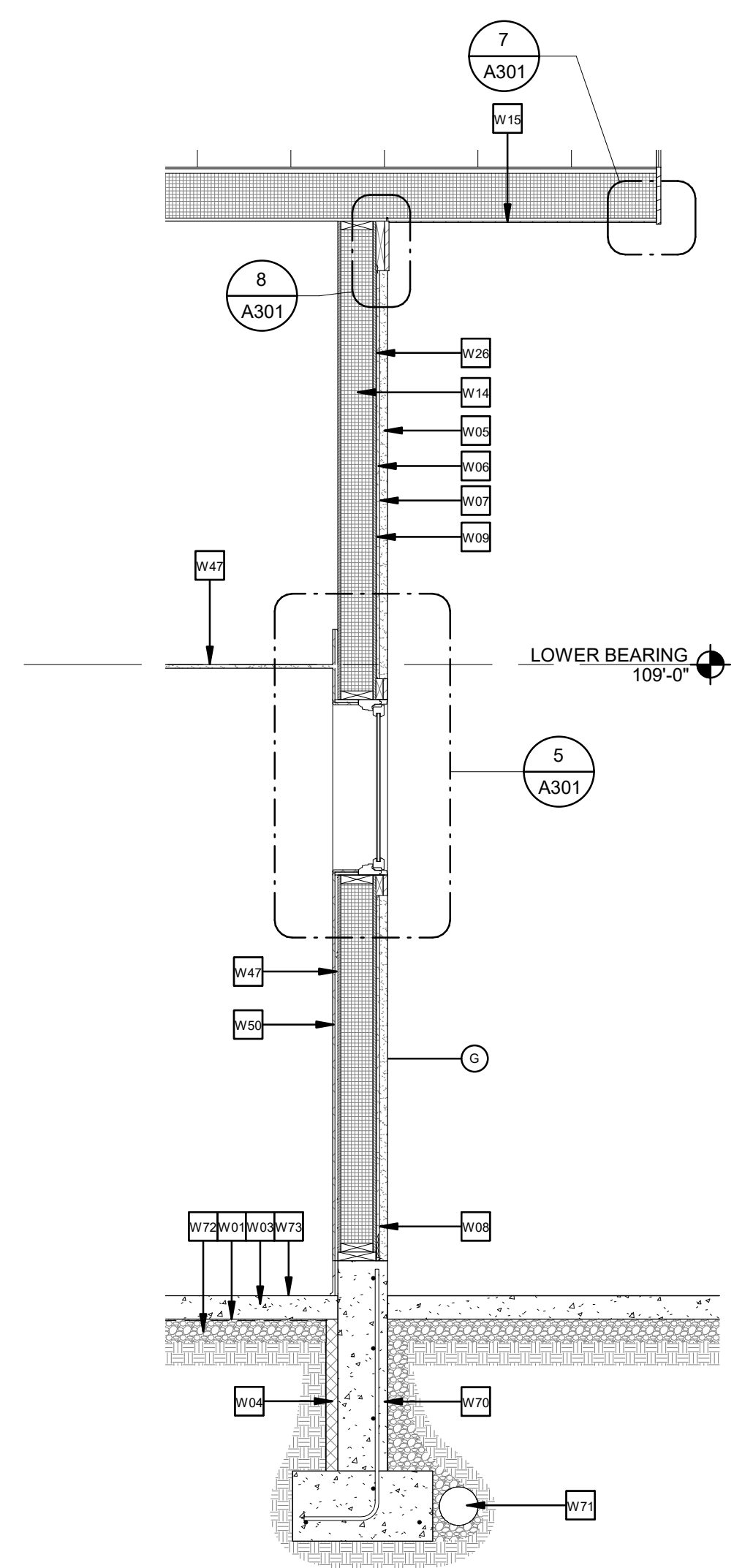
7 TYP. RAKE DETAIL
3" = 1'-0"



8 TYP. GABLE TRIM
3" = 1'-0"



6 TYP. LOUVER HEADER DETAIL
1 1/2" = 1'-0"



4 TYP. SECTION @ WINDOW
1/2" = 1'-0"

GENERAL NOTES

- 100.00' FINISH FLOOR ELEVATION IS USED FOR SIMPLICITY OF DRAWINGS (ACTUAL ELEVATION WILL VARY BY LOCATION).
- REFER TO STRUCTURAL DETAILS FOR SIPS PANEL CONNECTION DETAILS.
- APPLY TRANSPARENT ANTI-GRAFFITI COATING TO ALL WOOD STRUCTURE (INTERIOR & EXTERIOR SURFACES) AFTER ASSEMBLY BUT PRIOR TO INSTALLING WALLS, STOREFRONT, SIPS ROOFING PANELS, ETC.
- SECURE ALL ASSEMBLIES PER MANUFACTURER REQUIRED FASTENER SCHEDULING DETAILS.
- REFERENC SHEET G102 FOR ADDITIONAL WALL TYPE AND ASSEMBLY INFORMATION

KEY NOTES

- S01 GLUED-LAMINATED CONSTRUCTION, REF. STRUCTURAL DWG'S.
- S02 PRE-FABRICATED WOOD TRUSSES
- S03 STRUCTURAL INSULATED ROOFING PANEL
- S04 POLYMER COMPOSITE V-GROOVED TONGUE AND GROOVE SOFFIT PANEL
- S05 FIBER CEMENT SHINGLE SIDING
- S06 5/8" TYPE "X" GYPSUM WALLBOARD
- S07 PEDESTAL WITH DUAL AUTOMATIC DOOR OPENER PUSH BUTTONS
- S09 (3) POWERED CHANDELIER LIFTS WALL MOUNTED ON PLYWOOD IN ATTIC SPACE; REF. REFLECTED CEILING PLAN AND ELEC. DWG'S.
- S10 SECURITY CAMERA, REF. SECURITY DWG'S.

KEY NOTES

- W01 VAPOR BARRIER; TURN UP PERIMETER WALLS 3" & SEAL TO WALL; SEAL ALL PENETRATIONS & TAPE ALL JOINTS
- W03 CONCRETE SLAB, REF. STRUCT. DWG'S.
- W04 2" RIGID INSULATION
- W05 ADHERED MASONRY VENEER
- W06 MORTAR SCRATCH COAT
- W07 MORTAR SETTING BED
- W08 WEEP SCREED
- W09 LATH
- W10 CASING BEAD
- W11 WOOD BLOCKING AS REQUIRED
- W14 6 1/2" STRUCTURAL INSULATED PANEL
- W15 STRUCTURAL INSULATED ROOFING PANEL
- W21 1x4 FIBER-CEMENT TRIM BOARD
- W23 1x10 FIBER-CEMENT TRIM BOARD
- W24 FIBER-CEMENT NON-VENTED SOFFIT
- W26 2 LAYERS WATER-RESISTIVE BARRIER, PER VENEERED MASONRY MANUF. SPECIFICATIONS
- W27 STANDING SEAM METAL ROOF PANELS
- W31 ALUMINUM FLASHING WITH CONT. BEAD OF SEALANT
- W36 CAULKING
- W37 BACKER ROD W/ SEALANT
- W38 STOREFRONT MULLION
- W46 GYPSUM WALLBOARD
- W47 CEMENTITIOUS BACKING BOARD
- W50 TILE, REF. FINISH SCHEDULE
- W59 FLASHING BEHIND TRIM - LAP OVER TOP OF (2) LAYERS WRB
- W60 FIELD BREAK MTL. TRIM AS REQUIRED BY MRF.
- W61 FINISHED MTL. DRIP EDGE TRIM & CONT. SEALANT
- W63 MECHANICAL LOUVER
- W65 FLASHING TO OVERLAP WATER RESISTIVE BARRIER A MIN. OF 4"
- W70 CONCRETE FOUNDATION; REF. STRUCT. DWG'S.
- W71 8" PERFORATED PVC UNDERDRAIN WITH PERFORATIONS DOWN, WRAPPED IN FILTER FABRIC, ENCASED IN OPEN-GRADED STONE WRAPPED IN FILTER FABRIC, MIN. 1% SLOPE, TYP.
- W72 GRANULAR BACKFILL
- W73 REF. SHEET A601 FOR FLOOR FINISH
- W76 ICE AND WATER SHIELD TO EXTEND 24" INSIDE THE EXTERIOR FACE OF WALL
- W77 STAINLESS STEEL FLASHING

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ISSUE DATE	7/2/21

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PROJECT
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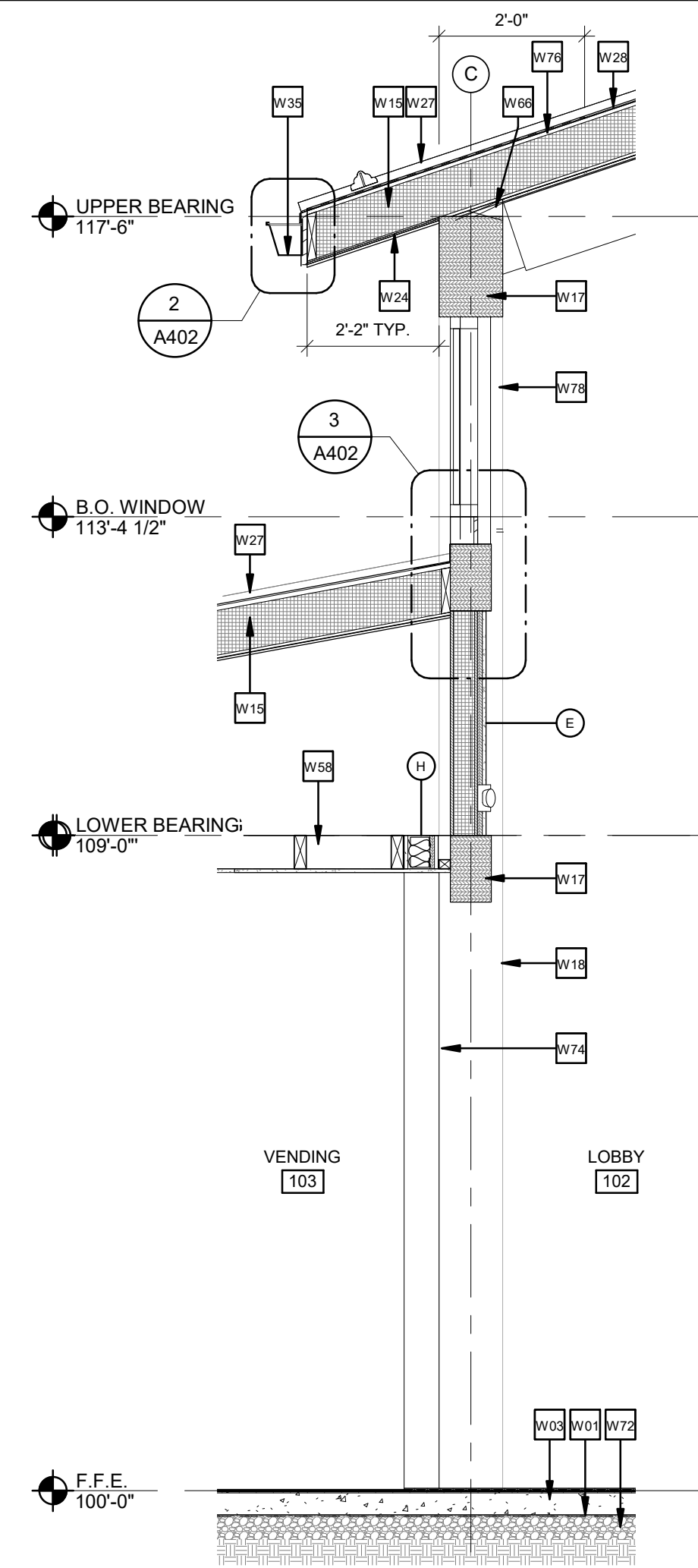
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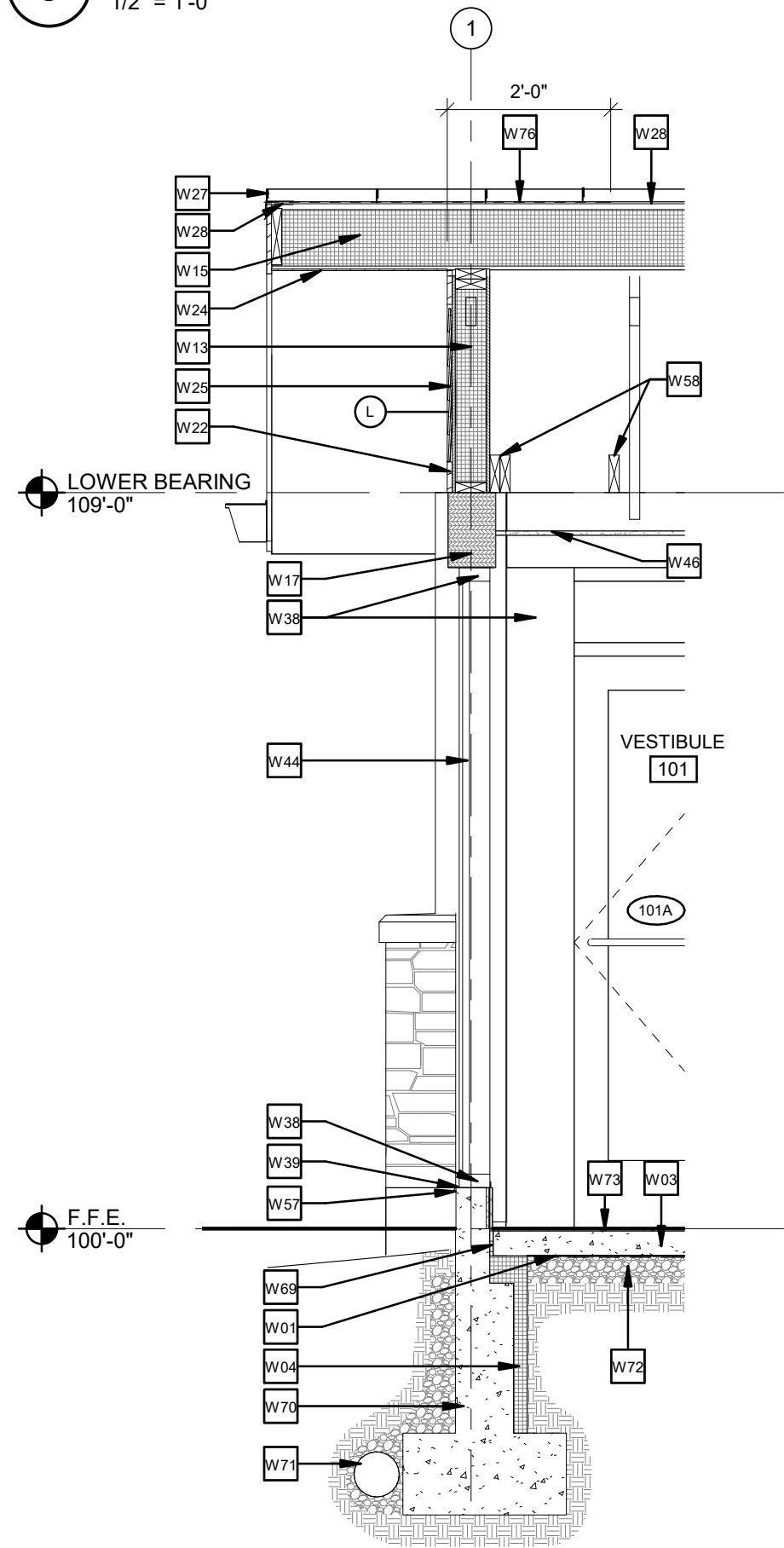
PROJECT NO.	64-12A23-00
SHEET TITLE	BUILDING SECTIONS
SHEET	A301

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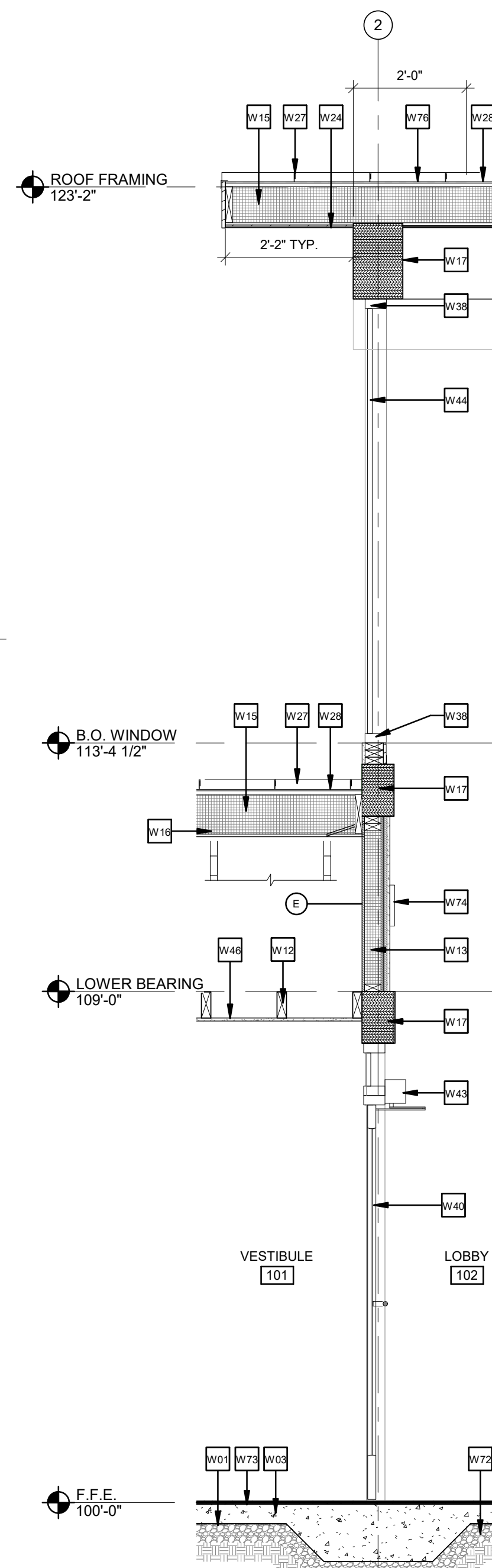
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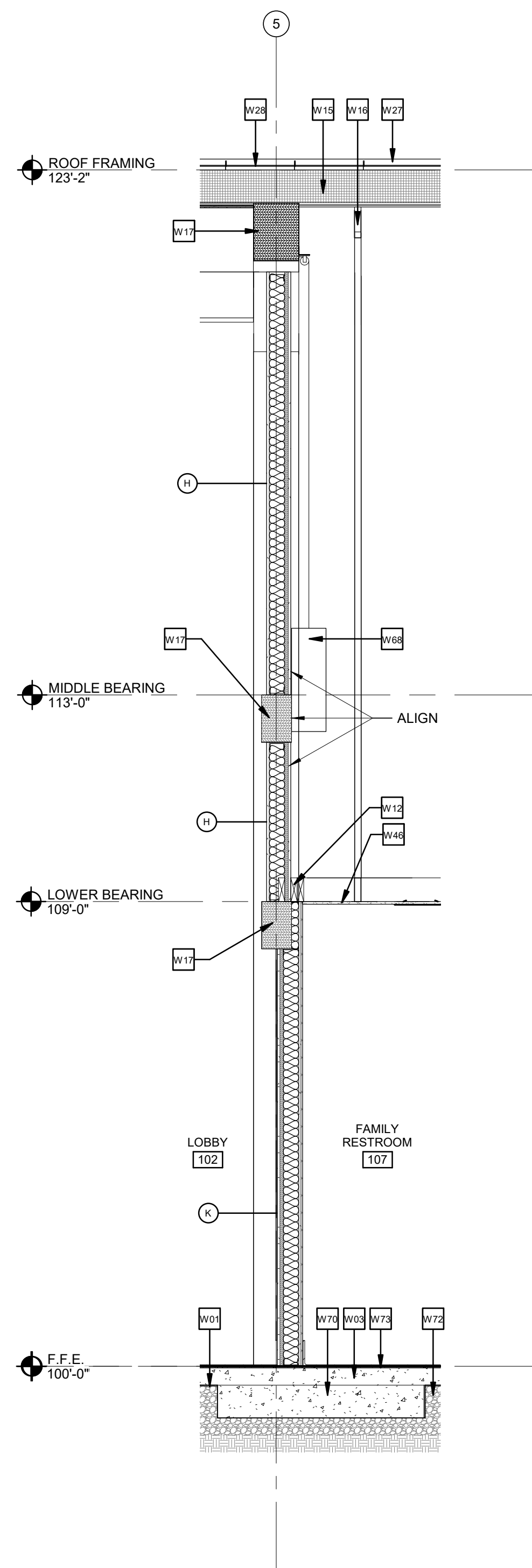
5 WALL SECTION - LOBBY SOUTH WALL
1/2" = 1'-0"



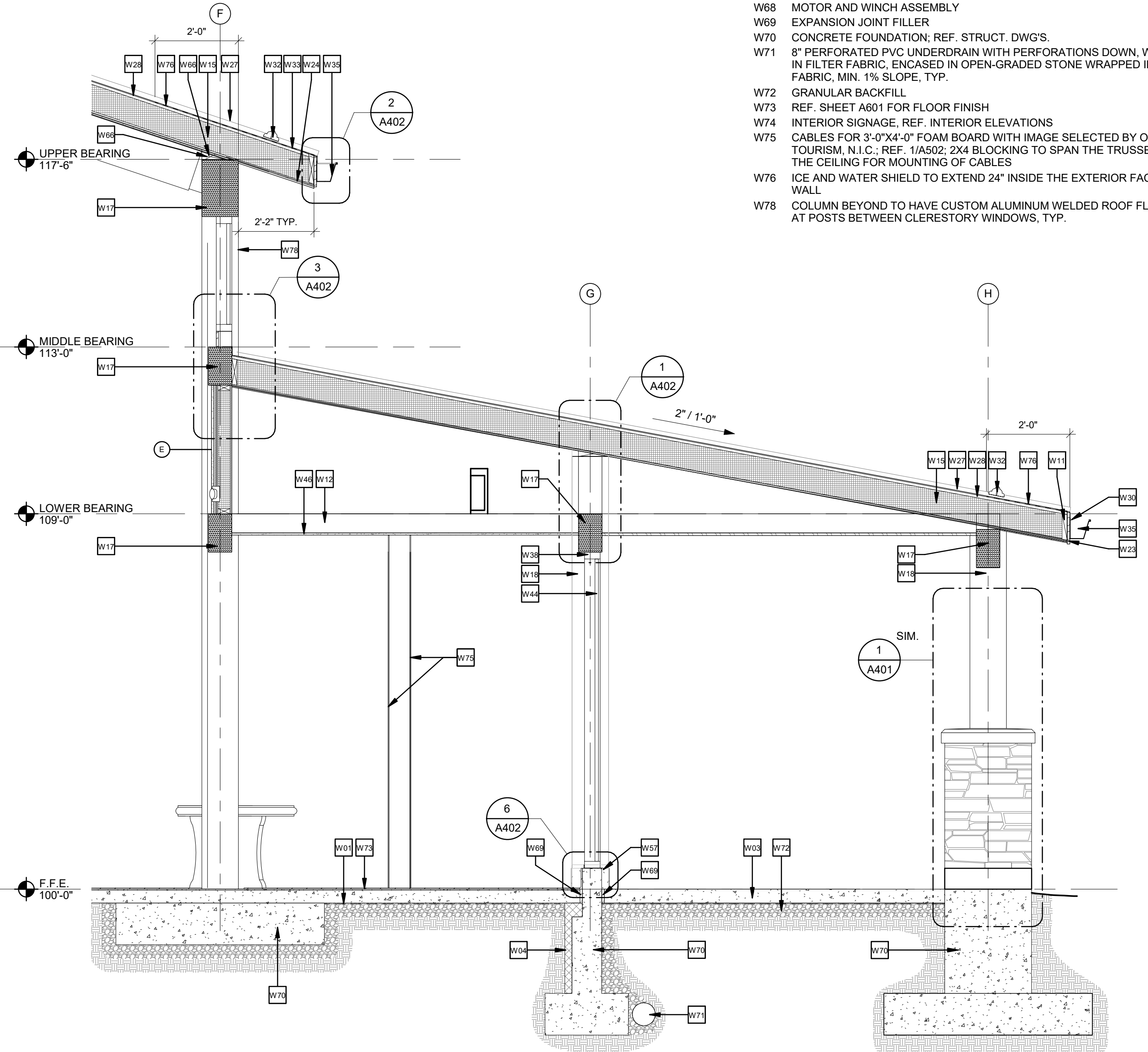
4 WALL SECTION - VESTIBULE EAST WALL
1/2" = 1'-0"



3 WALL SECTION - LOBBY EAST WALL
1/2" = 1'-0"



2 WALL SECTION - LOBBY WEST WALL
1/2" = 1'-0"



1 WALL SECTION - LOBBY NORTH WALL
1/2" = 1'-0"

GENERAL NOTES

- 100.00' FINISH FLOOR ELEVATION IS USED FOR SIMPLICITY OF DRAWINGS (ACTUAL ELEVATION WILL VARY BY LOCATION).
- REFER TO STRUCTURAL DETAILS FOR SIPS PANEL CONNECTION DETAILS.
- APPLY TRANSPARENT ANTI-GRAFFITI COATING TO ALL WOOD STRUCTURE (INTERIOR & EXTERIOR SURFACES) AFTER ASSEMBLY BUT PRIOR TO INSTALLING WALLS, STOREFRONT, SIPS ROOFING PANELS, ETC.
- SECURE ALL ASSEMBLIES PER MANUFACTURER REQUIRED FASTENER SCHEDULING DETAILS.
- REFERENC SHEET G102 FOR ADDITIONAL WALL TYPE AND ASSEMBLY INFORMATION

KEY NOTES

- W01 VAPOR BARRIER; TURN UP PERIMETER WALLS 3" & SEAL TO WALL; SEAL ALL PENETRATIONS & TAPE ALL JOINTS
- W03 CONCRETE SLAB, REF. STRUCT. DWG'S.
- W04 2" RIGID INSULATION
- W11 WOOD BLOCKING AS REQUIRED
- W12 CEILING JOIST, REF. STRUCT. DWG'S.
- W13 4 1/2" STRUCTURAL INSULATED PANEL
- W15 STRUCTURAL INSULATED ROOFING PANEL
- W16 PRE-FABRICATED WOOD TRUSSES, REF. STRUCT. DWG'S.
- W17 GLUE-LAMINATED BEAM, REF. STRUCT. DWG'S.
- W18 GLUE-LAMINATED COLUMN
- W22 1x6 FIBER-CEMENT TRIM BOARD
- W23 1x10 FIBER-CEMENT TRIM BOARD
- W24 FIBER-CEMENT NON-VENTED SOFFIT
- W25 FIBER-CEMENT SHINGLE SIDING
- W27 STANDING SEAM METAL ROOF PANELS
- W28 ROOF UNDERLAYMENT
- W30 ALUMINUM DRIP EDGE
- W32 METAL SNOW GUARD
- W33 ICE AND WATER SHIELD
- W35 BEVELED GUTTER
- W38 STOREFRONT MULLION
- W39 ANODIZED SILL FLASHING
- W40 STOREFRONT DOOR
- W43 AUTOMATIC DOOR OPENER
- W44 1" CLEAR INSULATED GLASS, TEMPERED
- W46 GYPSUM WALLBOARD
- W57 TURN EDGES OF FLASHING UNDER
- W58 2x6 CEILING JOISTS @ 16" O.C.
- W66 BEVELED 2x6 PROVIDED AND STAINED BY GLULAM MFR TO MATCH GLULAM WOOD. APPLY WITH ANTI-GRAFFITI COATING.
- W68 MOTOR AND WINCH ASSEMBLY
- W69 EXPANSION JOINT FILLER
- W70 CONCRETE FOUNDATION; REF. STRUCT. DWG'S.
- W71 8" PERFORATED PVC UNDERDRAIN WITH PERFORATIONS DOWN, WRAPPED IN FILTER FABRIC, ENCASED IN OPEN-GRADED STONE WRAPPED IN FILTER FABRIC, MIN. 1% SLOPE, TYP.
- W72 GRANULAR BACKFILL
- W73 REF. SHEET A601 FOR FLOOR FINISH
- W74 INTERIOR SIGNAGE, REF. INTERIOR ELEVATIONS
- W75 CABLES FOR 3'-0"x4'-0" FOAM BOARD WITH IMAGE SELECTED BY OHIO TOURISM, N.I.C.; REF. 1/A502; 2X4 BLOCKING TO SPAN THE TRUSSES ABOVE THE CEILING FOR MOUNTING OF CABLES
- W76 ICE AND WATER SHIELD TO EXTEND 24" INSIDE THE EXTERIOR FACE OF WALL
- W78 COLUMN BEYOND TO HAVE CUSTOM ALUMINUM WELDED ROOF FLASHING AT POSTS BETWEEN CLERESTORY WINDOWS, TYP.

DRAWN BY: RLH

CHECKED BY: SA

ISSUE DATE: 7/2/21

REVISION		
#	DATE	DESCRIPTION
2/8/21	SD	SUBMISSION
4/7/21	DD	PROGRESS
4/21/21	DD	SUBMISSION
6/18/21	CD	PROGRESS
7/2/21	CD	SUBMISSION



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2781 SALT SPRINGS ROAD
YOUNGSTOWN, OHIO 44509



CLIENT: STATE OF OHIO DEPARTMENT OF TRANSPORTATION
PROJECT: REST AREA BUILDING REPLACEMENT
MARIETTA, OHIO 45750 WASHINGTON COUNTY

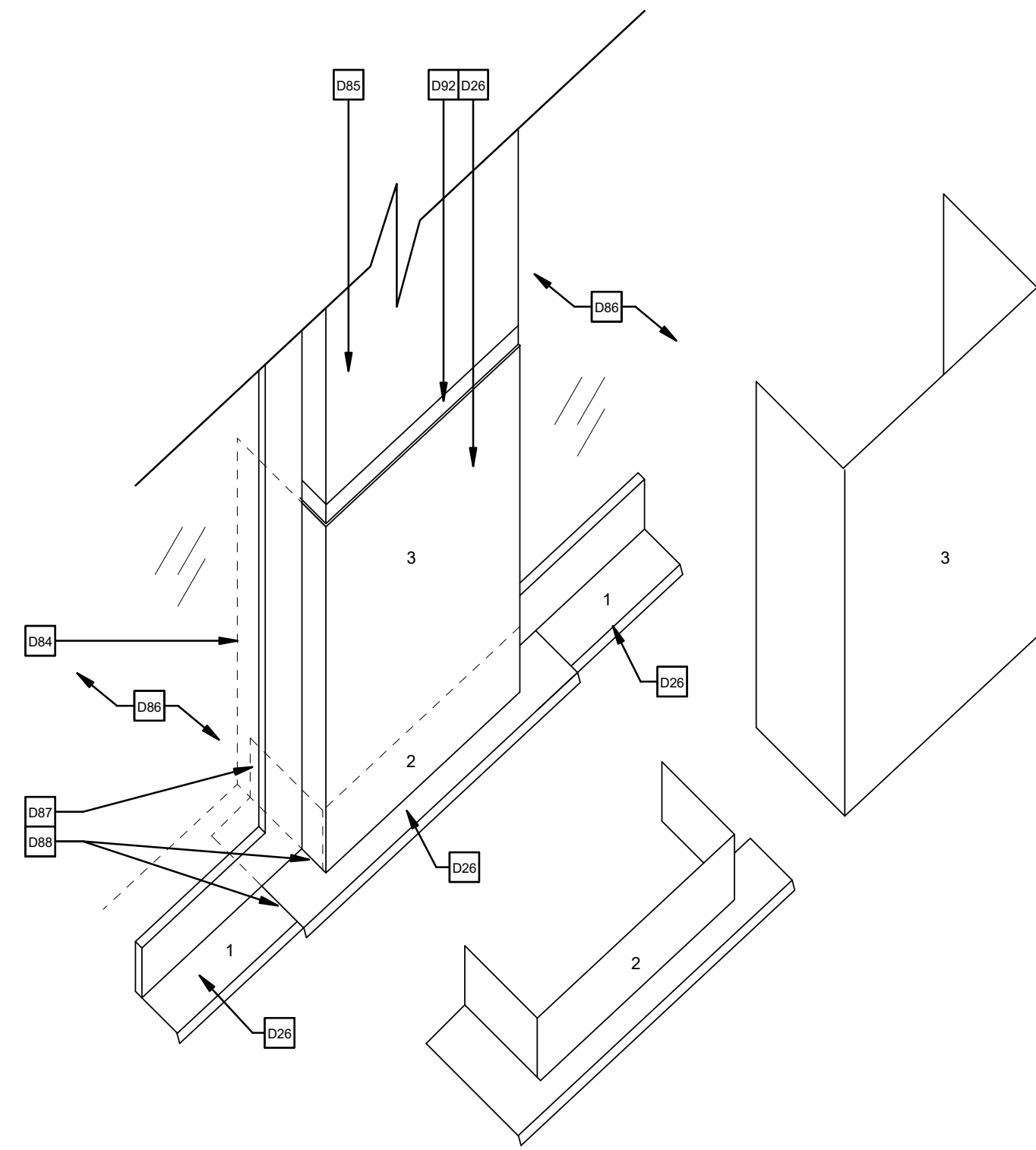
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PROJECT NO.: 64-12A23-00

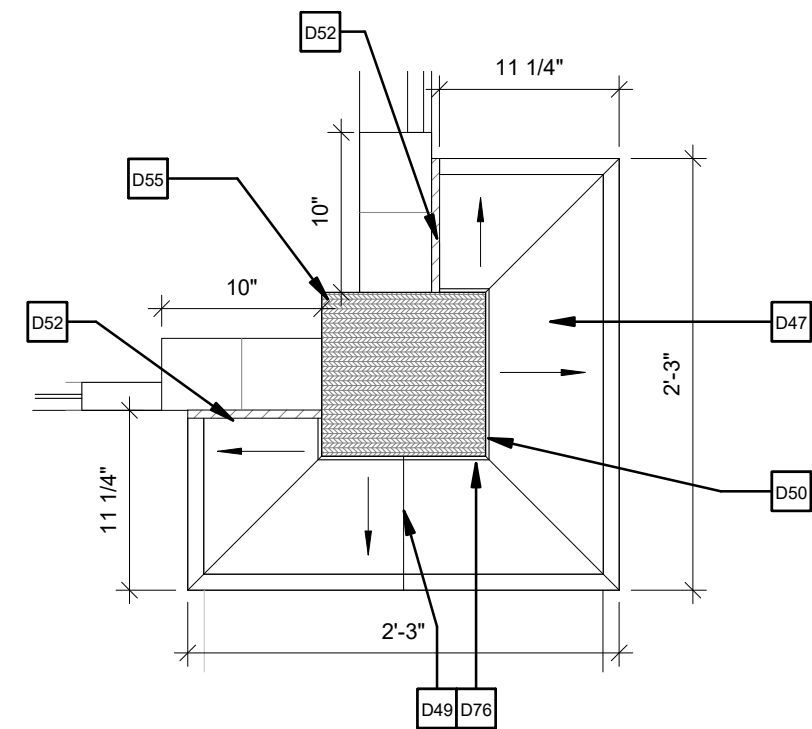
SHEET TITLE: WALL SECTIONS

SHEET: A302

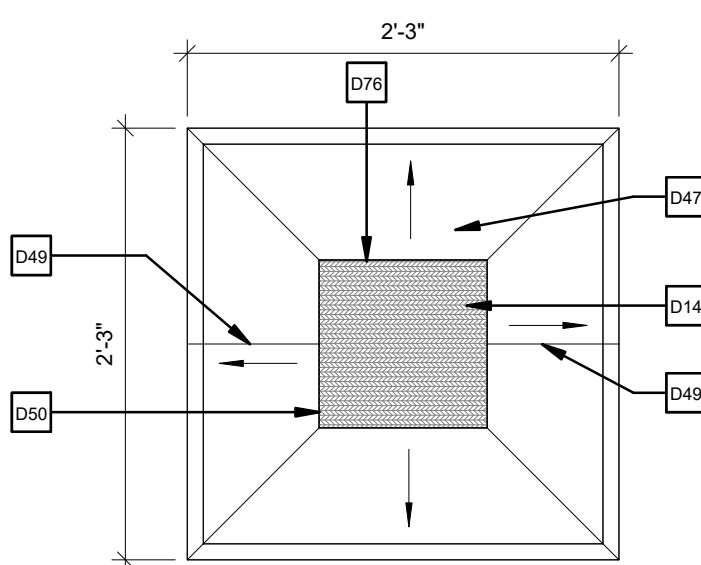
6/30/2021 9:28:19 AM NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



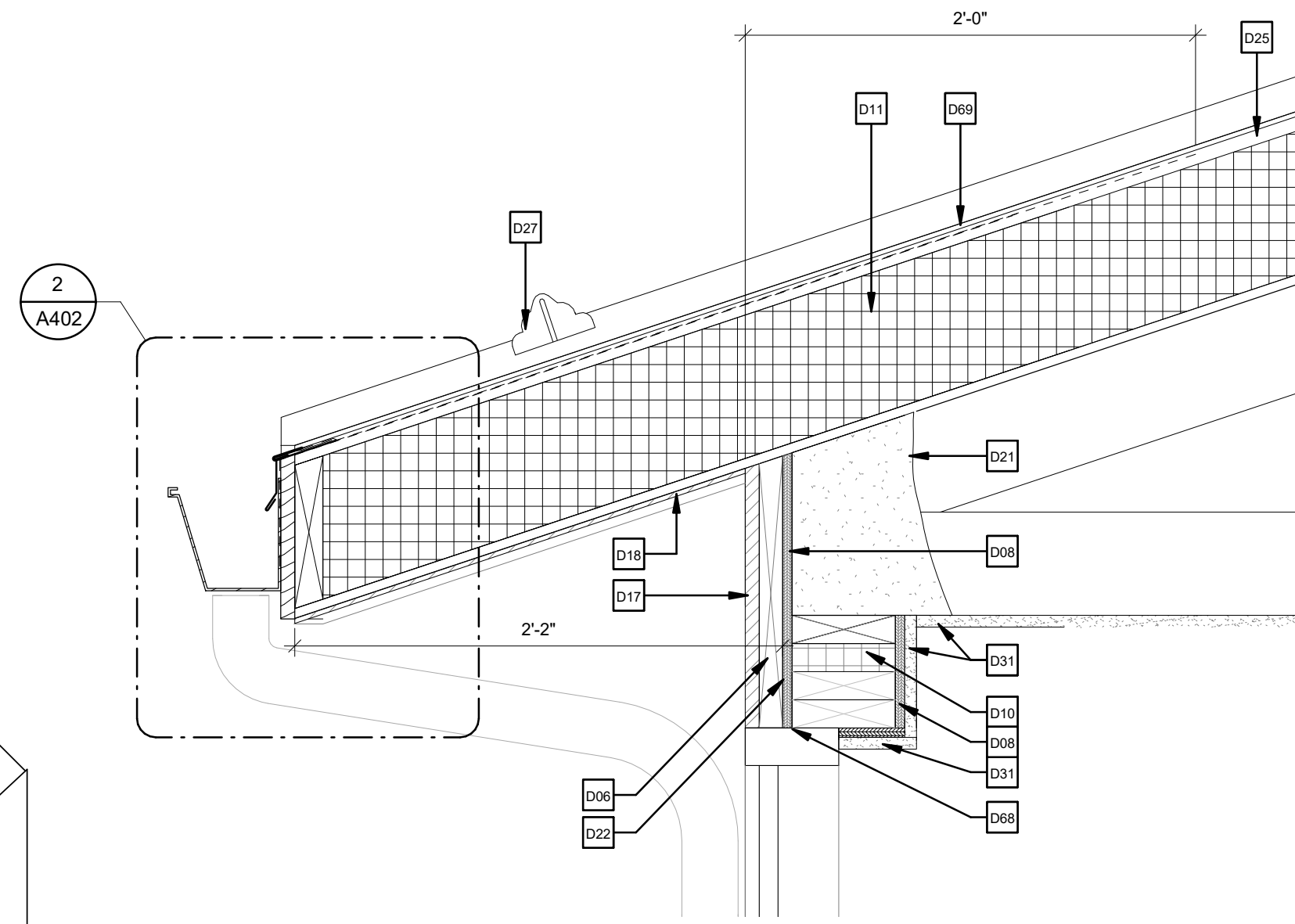
9 FLASHING DETAIL
1 1/2" = 1'-0"



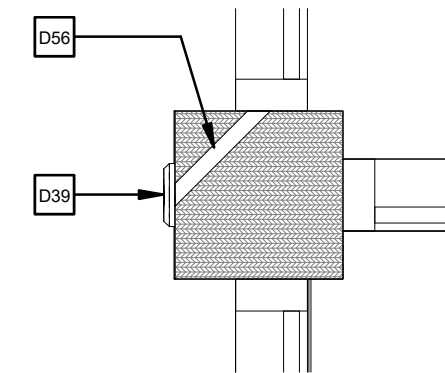
6 VESTIBULE CORNER COLUMN DETAIL
1" = 1'-0"



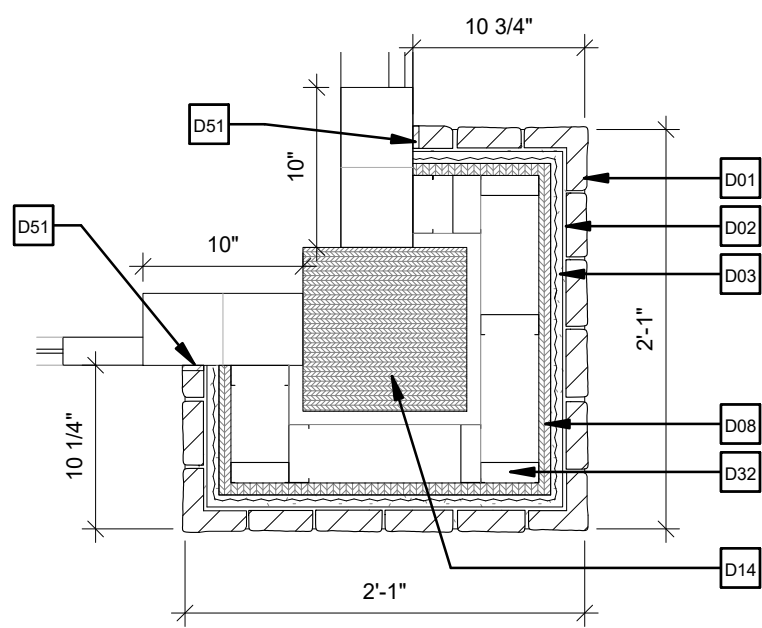
4 EXTERIOR COLUMN DETAIL
1" = 1'-0"



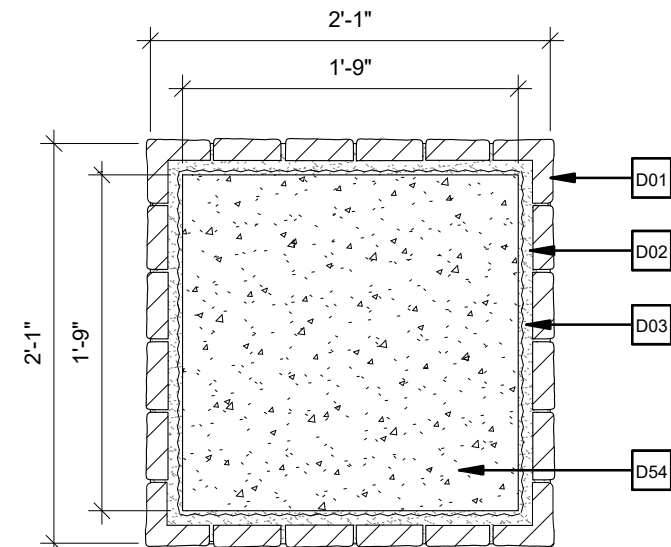
11 TYPICAL EAVE DETAIL
1 1/2" = 1'-0"



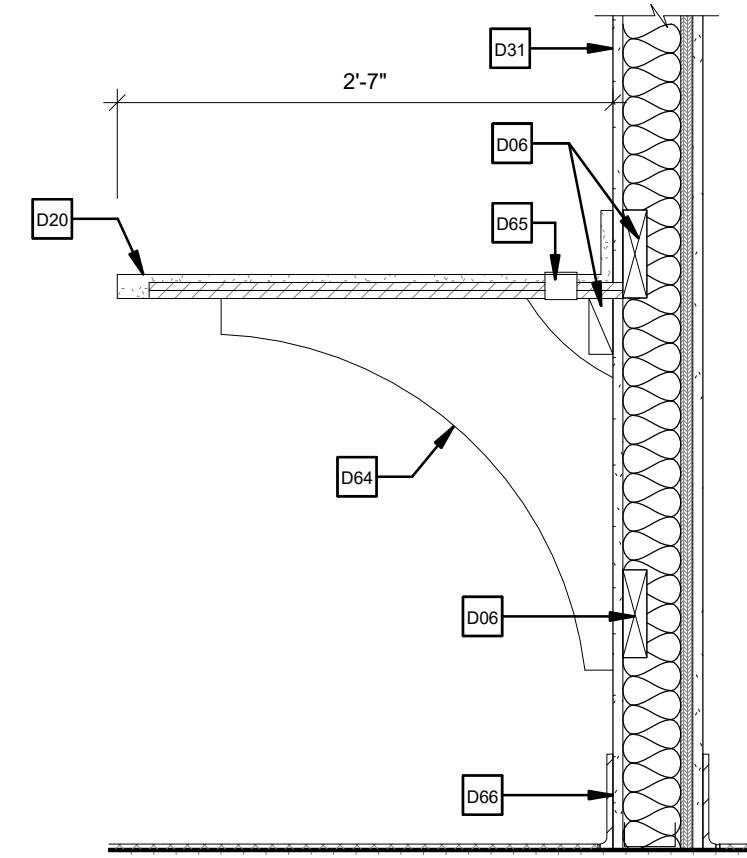
8 DOOR PADDLE @ COLUMN DETAIL
1" = 1'-0"



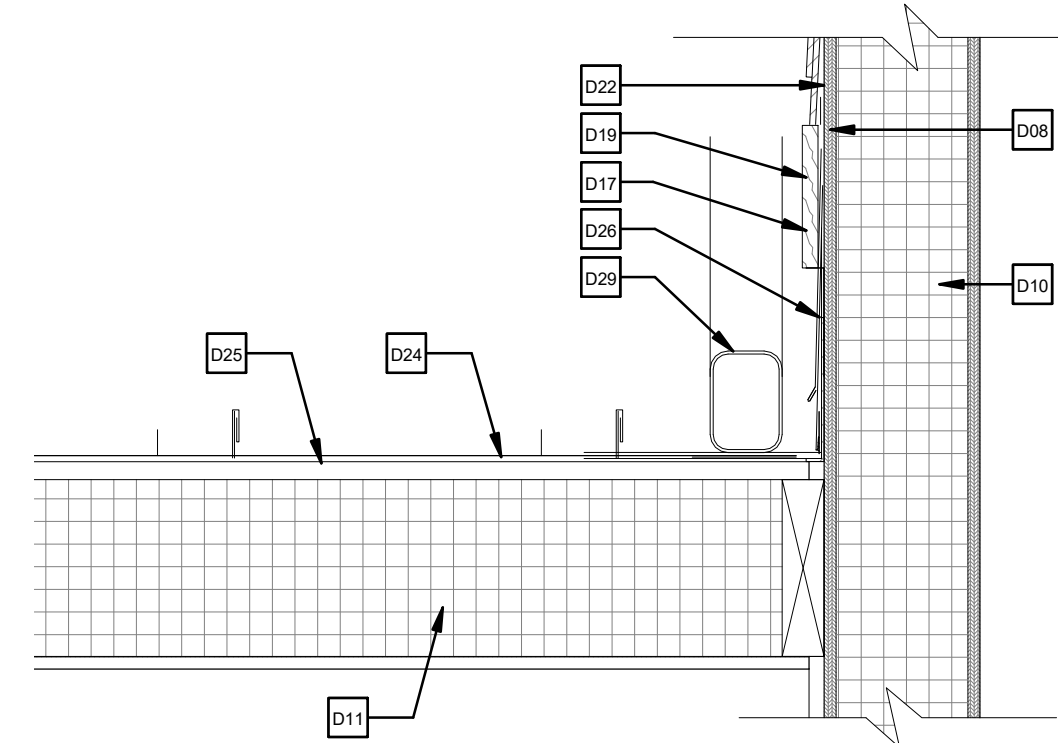
5 VESTIBULE CORNER COLUMN BASE DETAIL
1" = 1'-0"



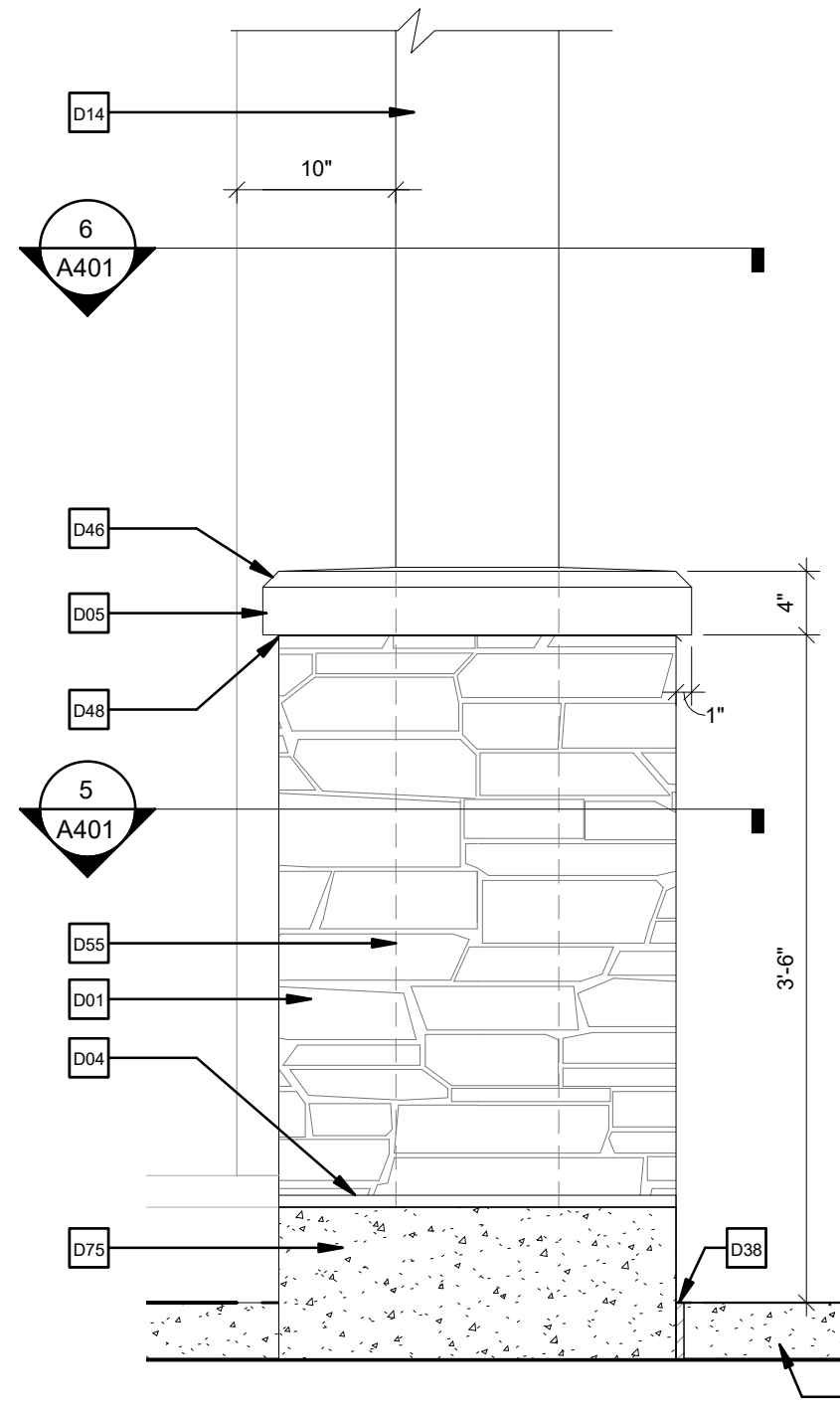
3 EXTERIOR COLUMN BASE DETAIL
1" = 1'-0"



10 DESK SECTION
1" = 1'-0"



7 ROOF DETAIL @ WALL
1 1/2" = 1'-0"



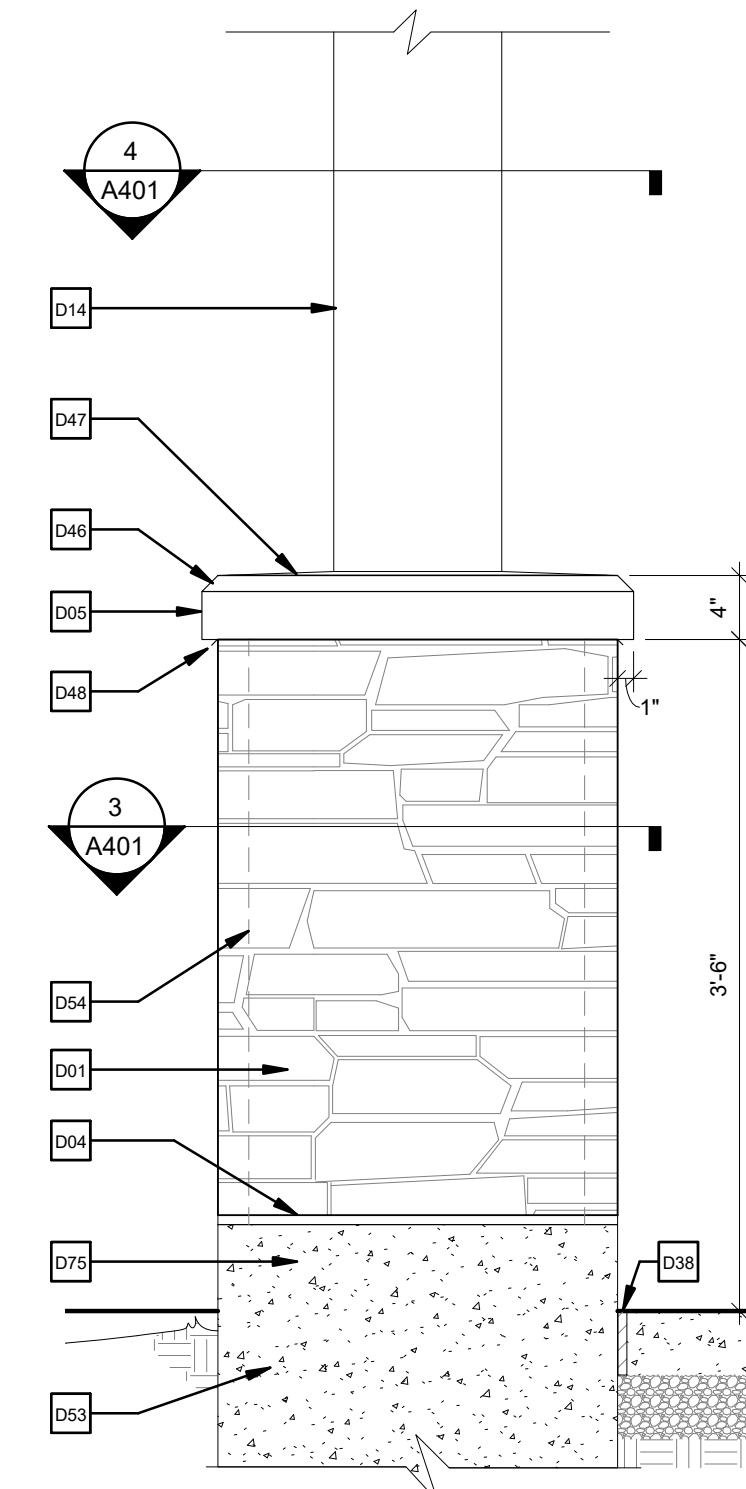
2 TYPICAL CORNER COLUMN ELEVATION DETAIL
1" = 1'-0"

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- REFERENC SHEET G102 FOR ADDITIONAL WALL TYPE AND ASSEMBLY INFORMATION

KEY NOTES

- D01 ADHERED MASONRY VENEER
- D02 MORTAR SCRATCH COAT
- D03 MORTAR SETTING BED
- D04 WEEP SCREED
- D05 LIMESTONE CAP
- D06 WOOD BLOCKING AS REQUIRED
- D08 EXTERIOR GRADE 5/8" PLYWOOD SHEATHING
- D10 STRUCTURAL INSULATED PANEL
- D11 STRUCTURAL INSULATED ROOFING PANEL
- D14 GLUE-LAMINATED COLUMN, REF. STRUCT. DWG'S.
- D17 FIBER-CEMENT TRIM BOARD
- D18 FIBER-CEMENT UNVENTED SOFFIT
- D19 FIBER-CEMENT SHINGLE SIDING
- D20 SOLID SURFACE, REF. A603 FINISHES BOARD
- D21 FOAMED-IN-PLACE INSULATION
- D22 AIR BARRIER
- D24 STANDING SEAM METAL ROOF PANELS
- D25 ROOF UNDERLAYMENT
- D26 ALUMINUM FLASHING
- D27 METAL SNOW GUARD
- D29 3" x 5" DOWNSPOUT
- D31 GYPSUM WALLBOARD
- D32 GALVANIZED METAL STUDS @ 16" O.C.
- D37 4" CONCRETE WALK W/ BROOM FINISH
- D38 EXPANSION JOINT
- D39 AUTOMATIC DOOR OPENER PUSH BUTTON
- D46 1" BEVEL
- D47 1/4" x 12 WASH SLOPE @ T.O. LIMESTONE CAP AWAY FROM COLUMN, TYP.
- D48 FLASHING UNDER LIMESTONE CAP
- D49 SEALED JOINT IN COLUMN CAP
- D50 SEAL AT THE TOP OF THE LIMESTONE CAP ALONG THE COLUMN
- D51 PROVIDE BACKER ROD AND SEALANT BETWEEN ADHERED MASONRY VENEER AND MULLION
- D52 PROVIDE BACKER ROD AND SEAL TOP OF LIMESTONE CAP AT MULLION
- D53 FOUNDATION, REF. STRUCT. DWG'S.
- D54 EXTEND FOUNDATION UP TO BASE OF LIMESTONE CAP, REF. STRUCT. DWG'S.
- D55 COLUMN TO EXTEND TO FLOOR LEVEL
- D56 PROVIDE CHANNEL THROUGH GLUE-LAM COLUMN FOR ELECTRICAL TO CONNECT TO AUTOMATIC DOOR OPENER PANEL
- D64 ADA COMPLIANT PRE-MANUFACTURED METAL DESK SUPPORT
- D65 PROVIDE 3 HOLES AND WIRE GROMMETS ON COUNTER. LOCATE IN FIELD WITH OWNER
- D66 REF. A601 FINISH SCHEDULE FOR WALL BASE
- D68 BACKER ROD AND SEALANT
- D69 ICE AND WATER SHIELD TO EXTEND 24" INSIDE THE EXTERIOR FACE OF WALL
- D75 EXPOSED PORTIONS OF CONCRETE FOUNDATION ARE TO HAVE A SMOOTH RUBBED FINISH, TYP.
- D76 JOINT SEALANT BETWEEN CAP AND COLUMN ON ALL SIDES
- D84 COLUMN FLASHING BEHIND WINDOW
- D85 GLULAM COLUMN, REF. EXTERIOR ELEVATIONS
- D86 CLERESTORY WINDOW, REF. WINDOW TYPES
- D87 SILL FLASHING TURNED UP BENEATH COLUMN FLASHING
- D88 SEALANT
- D92 TERMINATION BAR WITH JOINT SEALANT ALONG THE TOP



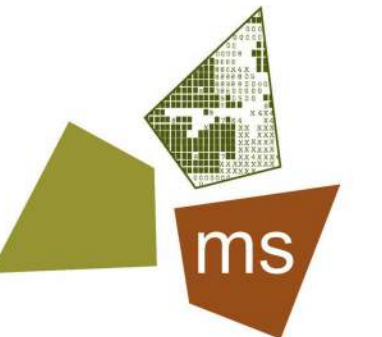
1 TYPICAL EXTERIOR COLUMN DETAIL
1" = 1'-0"

DRAWN BY: RLH

CHECKED BY: SA

ISSUE DATE: 7/2/21

REVISION		
#	DATE	DESCRIPTION
4	7/7/21	DD PROGRESS
4	7/21/21	DD SUBMISSION
6	18/21	CD PROGRESS
7	2/21	CD SUBMISSION



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PROJECT
REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45750
WASHINGTON COUNTY

NOT FOR CONSTRUCTION

PROJECT NO. 64-12A23-00

SHEET TITLE: DETAILS

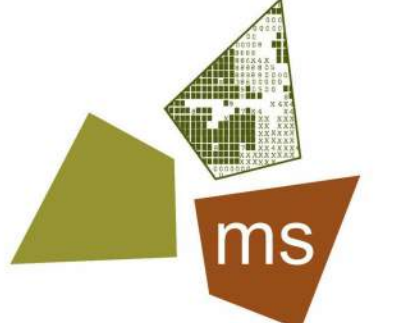
SHEET: A401

GENERAL NOTES

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- REFERENC SHEET G102 FOR ADDITIONAL WALL TYPE AND ASSEMBLY INFORMATION

KEY NOTES

- D06 WOOD BLOCKING AS REQUIRED
- D07 2x6 CEILING JOIST, REF. STRUCT. DWG'S.
- D08 EXTERIOR GRADE 5/8" PLYWOOD SHEATHING
- D09 WOOD TRIM PROVIDED AND STAINED BY GLULAM MANUFACTURER TO MATCH GLULAM WOOD. APPLY ANTI-GRAFFITI COATING. NAIL HEADS AND SCREWS FILLED OR FINISHED TO MATCH WOOD
- D10 STRUCTURAL INSULATED PANEL
- D11 STRUCTURAL INSULATED ROOFING PANEL
- D12 PRE-FABRICATED WOOD TRUSSES
- D13 GLUE-LAMINATED BEAM, REF. STRUCT. DWG'S.
- D14 GLUE-LAMINATED COLUMN, REF. STRUCT. DWG'S.
- D15 POLYMER COMPOSITE V-GROOVED TONGUE AND GROOVE CEILING
- D16 FIBER-CEMENT BOARD FASCIA
- D21 FOAMED-IN-PLACE INSULATION
- D22 AIR BARRIER
- D23 EAVE STARTER FLASHING
- D24 STANDING SEAM METAL ROOF PANELS
- D25 ROOF UNDERLAYMENT
- D26 ALUMINUM FLASHING
- D28 ICE AND WATER SHIELD
- D29 3" x 5" DOWNSPOUT
- D30 6" x 6" BEVELED GUTTER
- D31 GYPSUM WALLBOARD
- D36 ROUNDED METAL FINISHING EDGE
- D40 CONTINUOUS STARTER SET IN 3/16" X 7/8" BUTYL TAPE
- D41 ROOFING MANUFACTURER SPECIFIED FASTENER
- D42 ZEE CLOSURE WITH SEALANT AS SPECIFIED BY ROOFING MANUFACTURER
- D43 ANODIZED SILL FLASHING
- D44 TURN EDGES OF SILL FLASHING UNDER
- D45 PENDANT LIGHT FIXTURE BASE
- D60 TURN UP UNDERLAYMENT AND SEAL
- D61 ROOFING MANUFACTURER SPECIFIED UNDERLAYMENT TO EXTEND PAST THE TOP OF EAVE FLASHING BY MIN. 3"
- D62 ROOFING MANUFACTURER SPECIFIED UNDERLAYMENT TO EXTEND DOWN THE FACE OF THE GUTTER BOARD
- D63 PROVIDE BLOCKING AS NEEDED TO CREATE A CHASE TO RUN WIRING BEHIND TRIM FOR LIGHT FIXTURES
- D67 HYBRI-FLEX WALL BASE
- D69 ICE AND WATER SHIELD TO EXTEND 24" INSIDE THE EXTERIOR FACE OF WALL
- D70 VAPOR BARRIER
- D71 2X WOOD STUDS
- D72 FACE OF WOOD TRIM TO ALIGN WITH GLULAM BEAM, TYP.
- D73 GLULAM BEAM, REF. STRUCT. DWG'S.
- D77 STAINLESS STEEL PANEL ADHERED TO CEMENT BOARD, REF. FINISH SCHED. FOR STAINLESS STEEL, INFO
- D78 HEMMED EDGE ON STAINLESS STEEL PANEL AT ALL EXPOSED EDGES
- D79 WALL TYPE VARIES, REF. G002 FOR WALL TYPES AND FLOOR PLAN A101
- D80 WALL TILE, REF. FINISH SCHED.
- D81 BULLNOSE WALL TILE MATCHING ADJACENT TILE FRAMING ABUTTING SS-1 WALL PANEL; REF. RESTROOM INTERIOR ELEVATIONS A501 FOR LOCATIONS
- D82 5/8" GYP. BOARD
- D83 STAINLESS STEEL PANEL ADHERED TO GYPSUM BOARD
- D89 2X4 WOOD STUDS, TYP.
- D90 GLULAM COLUMN, REF. STRUCT. DWG'S.
- D91 CLEAR AREA FOR OUTLET JUNCTION BOX AND WIRING
- D93 3/4" PLYWOOD, TYP.



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PROJECT
REST AREA BUILDING REPLACEMENT

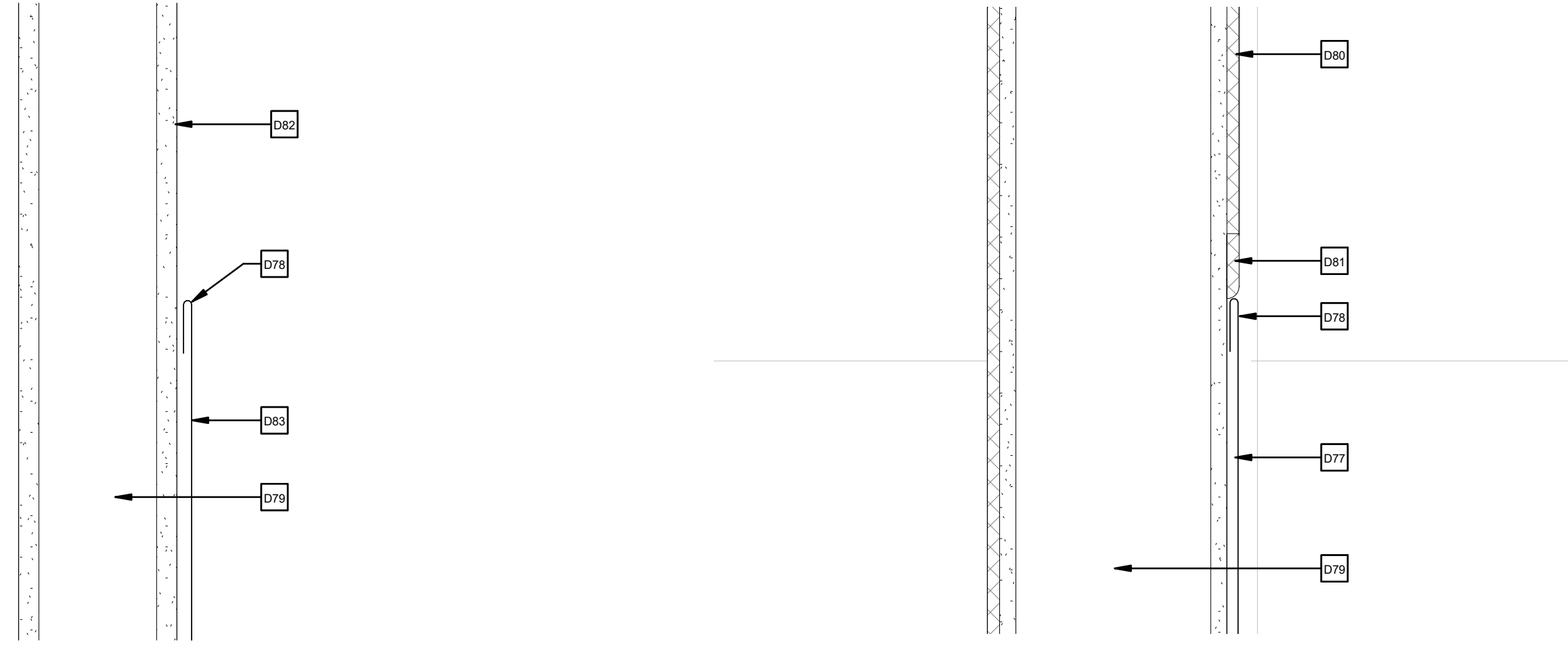
MARIETTA, OHIO 45750
WASHINGTON COUNTY

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PROJECT NO. 64-12A23-00

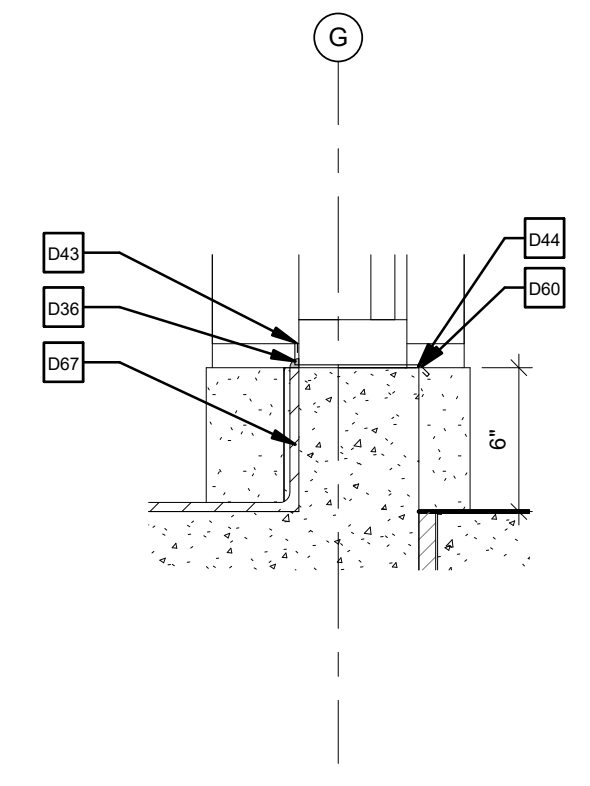
SHEET TITLE DETAILS

SHEET **A402**

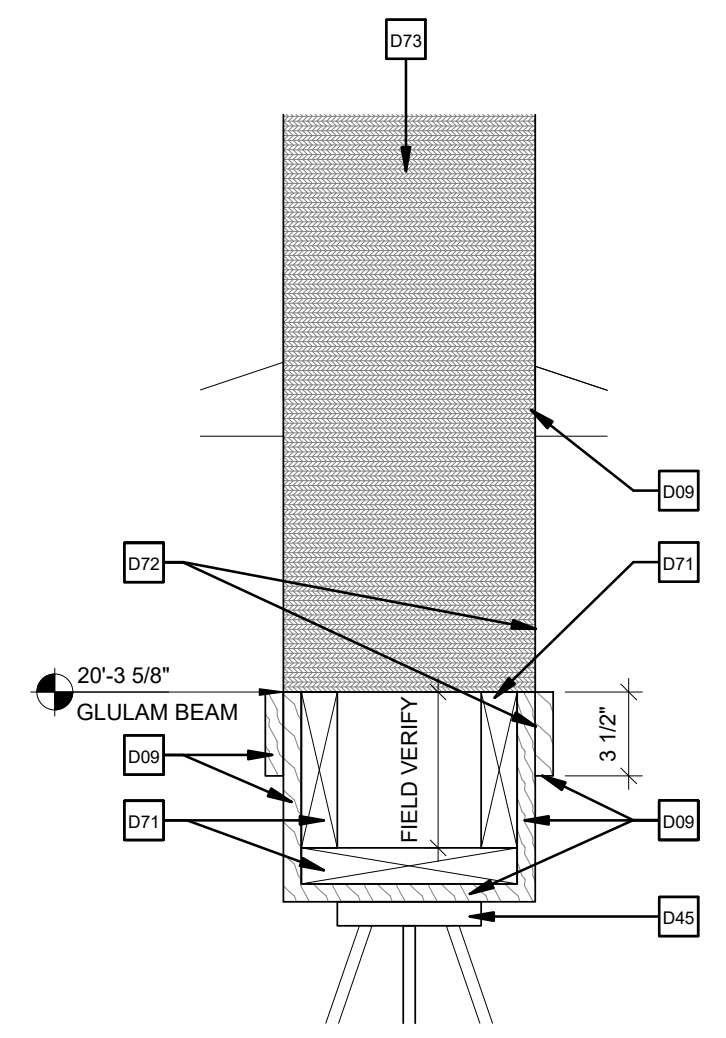


8 S.S. DETAIL @ DRINKING FOUNTAIN
3" = 1'-0"

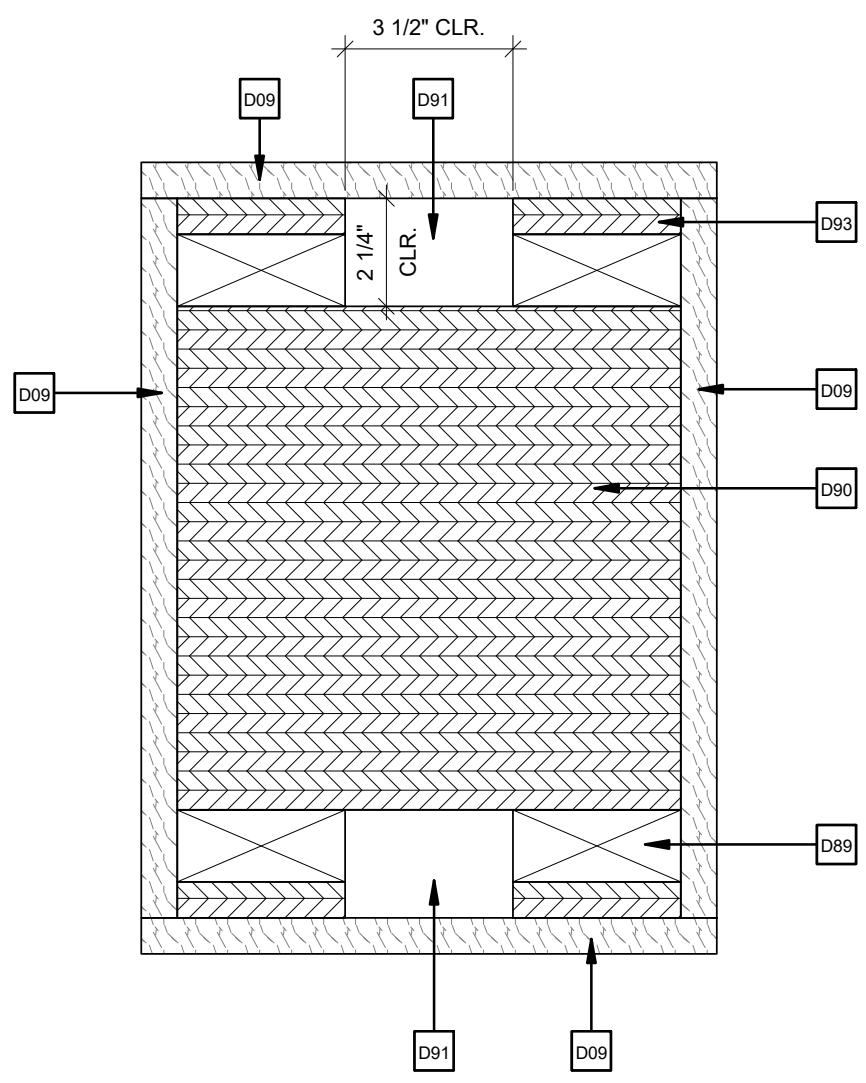
7 S.S. DETAIL @ HAND DRYERS
3" = 1'-0"



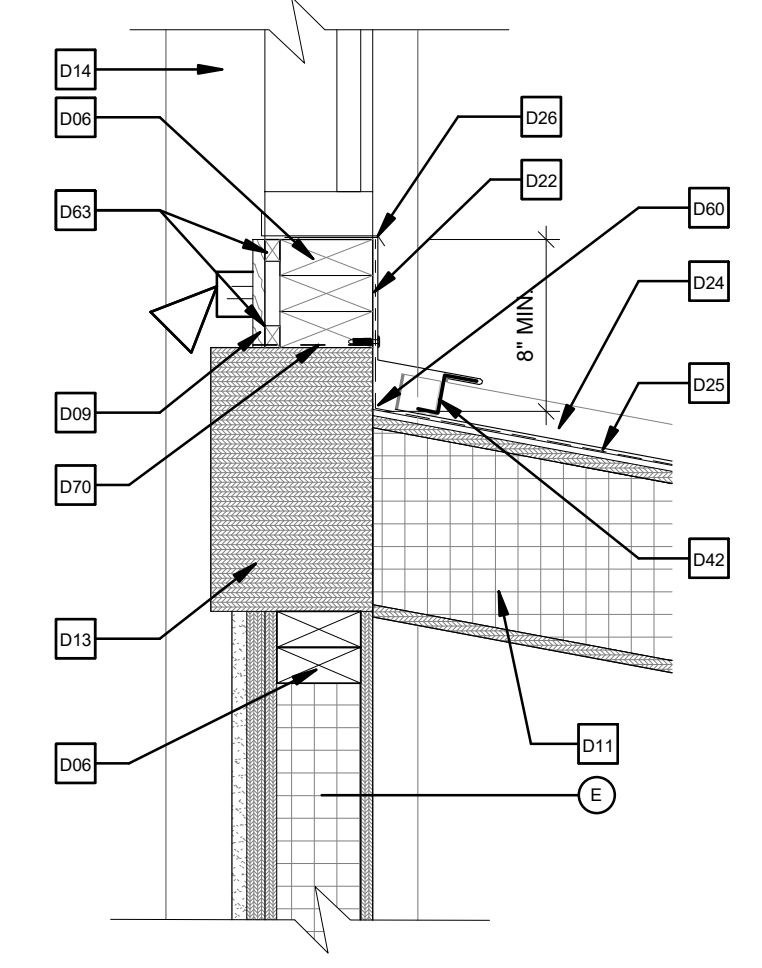
6 WALL BASE @ STOREFRONT DETAIL (PERIMETER JOINT)
1 1/2" = 1'-0"



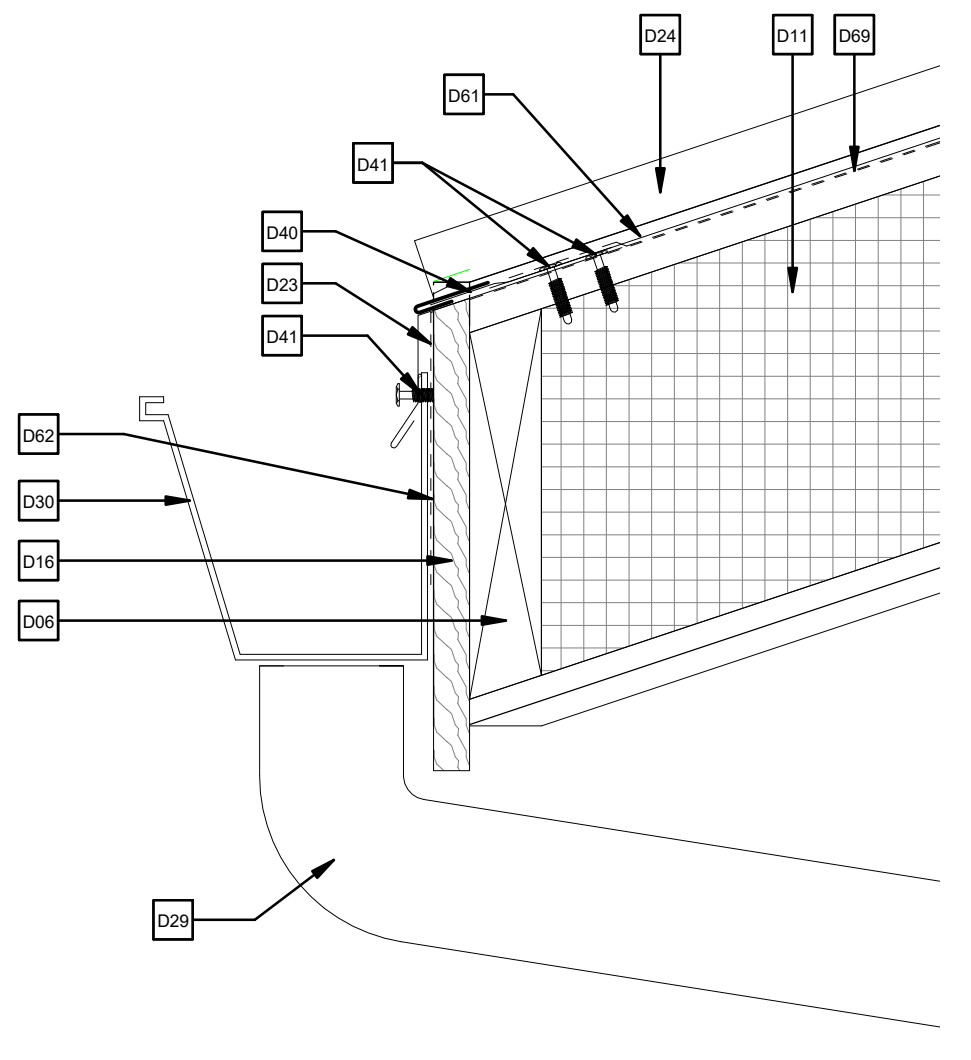
5 TYPICAL CAVITY DETAIL ON BOTTOM OF RIDGE BEAM
1 1/2" = 1'-0"



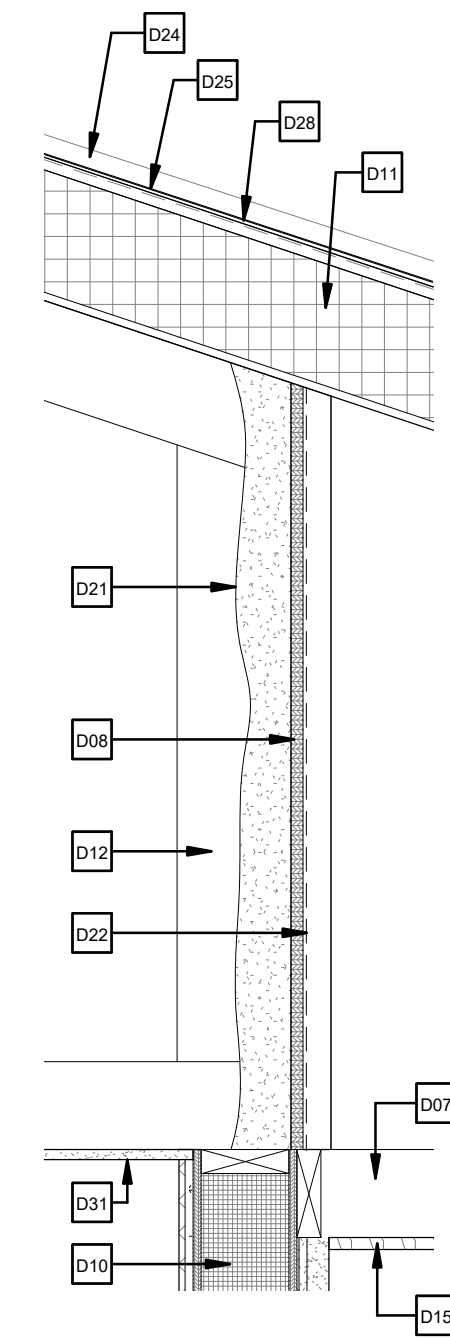
4 COLUMN ENCLOSURE DETAIL
3" = 1'-0"



3 ROOF DETAIL @ CLEARSTORY WINDOWS
1 1/2" = 1'-0"



2 TYPICAL METAL ROOFING EAVE DETAIL
3" = 1'-0"



1 SPRAY FOAM INSULATION DETAIL
1" = 1'-0"

NOTE: WOOD STUDS AND TRIM TO CONNECT TO CEILINGS ABOVE; REF. REFLECTED CEILING PLAN AS CEILINGS ARE AT DIFFERENT HEIGHTS ON OPPOSITE SIDES OF THE COLUMN, TYP. ALL SIDES.

NOTE: REF. DETAIL 4/A403 FOR LARGER DETAIL

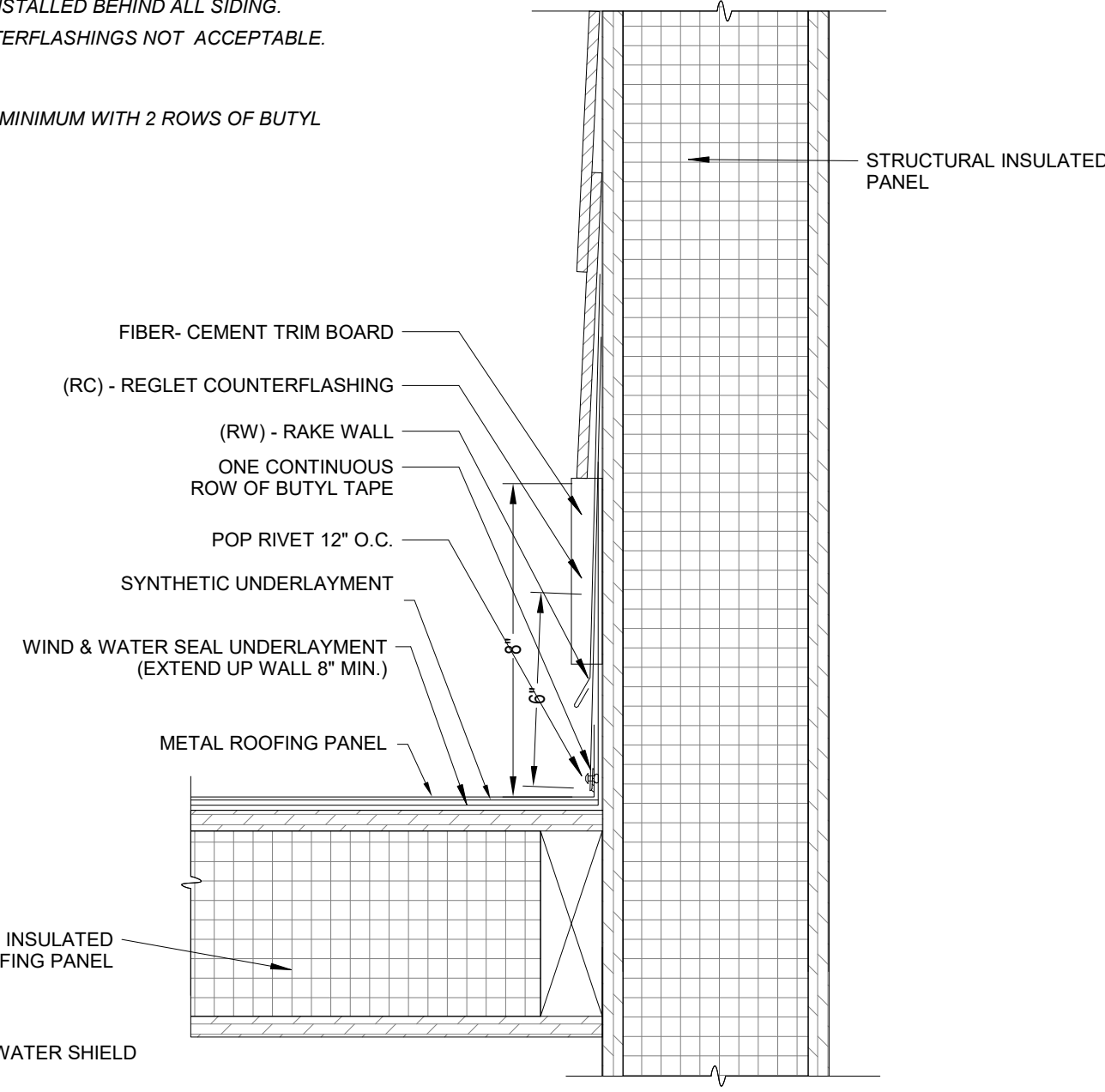
NOTE: CAVITY DETAIL BUILD OUT ONLY TO OCCUR IN THE (3) THREE AREAS BELOW THE CHANDELIERS

NOTE: DETAIL EXTENDS ALONG FULL LENGTH OF WALL.

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NOTE
REGLET FLASHING TO BE INSTALLED BEHIND ALL SIDING.
SURFACE MOUNTED COUNTERFLASHINGS NOT ACCEPTABLE.

FLASHING LAP NOTE
LAP RAKE WALL REGLET 2" MINIMUM WITH 2 ROWS OF BUTYL SEALANT.



6 RAKE WALL
3" = 1'-0"

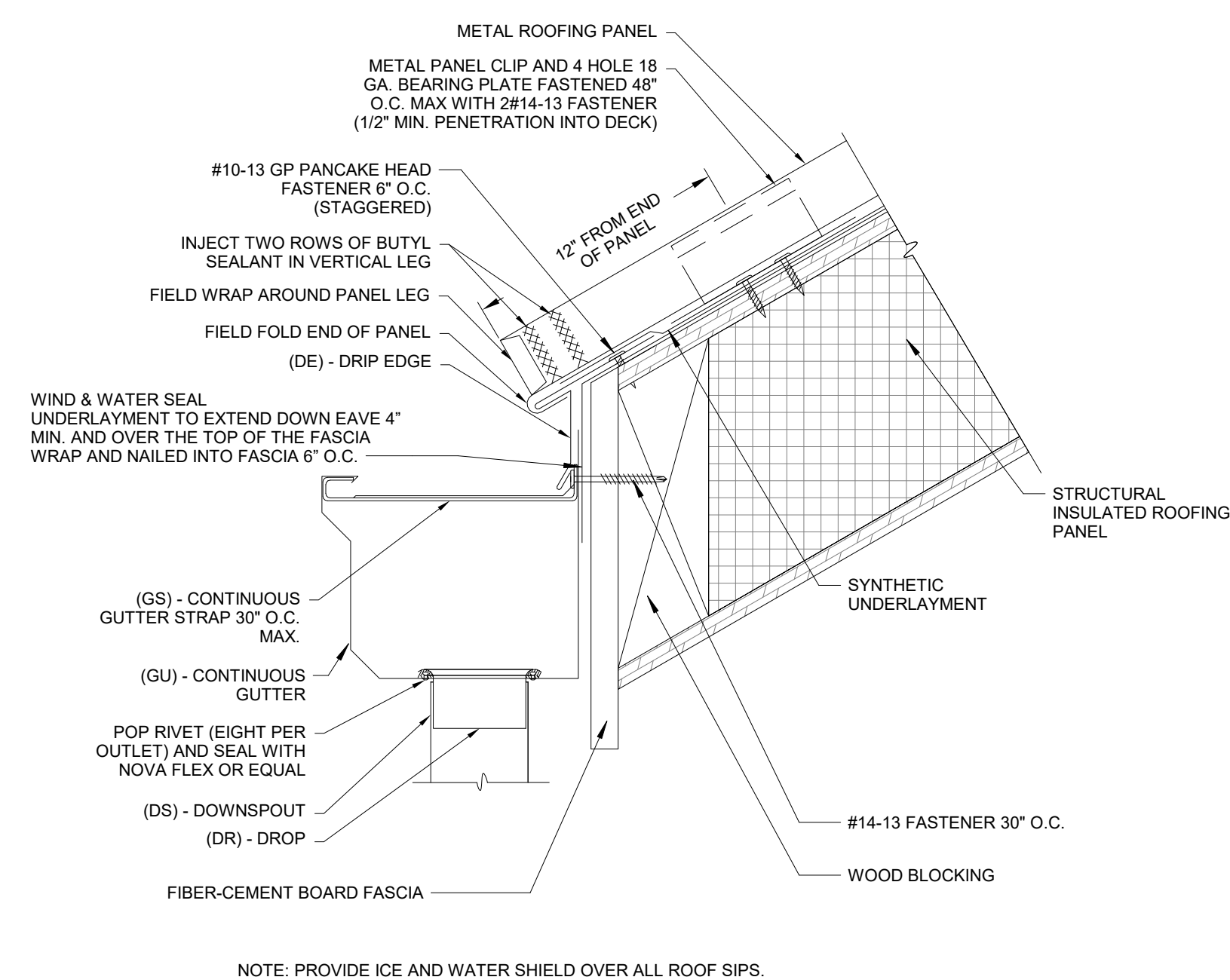
PANEL EXPANSION NOTE
FOR STEEL PANELS < 40' WITH A 1 1/2" TURN DOWN AND 1 1/2" HEM CLEARANCE:
1. 1/4" FOR INSTALLATION TEMPERATURE BELOW 30 DEGREES FAHRENHEIT.
2. 1/2" FOR INSTALLATION TEMPERATURE ABOVE 30 DEGREES FAHRENHEIT.

FOR STEEL PANELS > 40' WITH A 2" TURN DOWN AND 2" HEM CLEARANCE:
1. 1/4" FOR INSTALLATION TEMPERATURE BELOW 30 DEGREES FAHRENHEIT.
2. 1/2" FOR INSTALLATION TEMPERATURE ABOVE 30 DEGREES FAHRENHEIT.

GUTTER LAP NOTE
LAP GUTTER 3" MIN W/ 2 ROWS OF APPROVED SEALANT AND POP RIVET JOINT 2" O.C. SET IN AND CAP POP RIVETS IN APPROVED SEALANT.

FLASHING LAP NOTE
LAP FLASHINGS 2" MIN W/ 1 ROW OF BUTYL SEALANT.

FULL ICE AND WATER UNDERLAYMENT NOTE
FOR PANEL AREAS WITH FULL ICE AND WATER UNDERLAYMENT: STRIP IN DRIP EDGE WITH 6" STRIP OF APPROVED ICE AND WATER UNDERLAYMENT.



3 EAVE WITH GUTTER
3" = 1'-0"

PANEL EXPANSION NOTE
FOR STEEL PANELS < 40' WITH A 1 1/2" TURN DOWN AND 1 1/2" HEM CLEARANCE:
1. 1/4" FOR INSTALLATION TEMPERATURE BELOW 30 DEGREES FAHRENHEIT.
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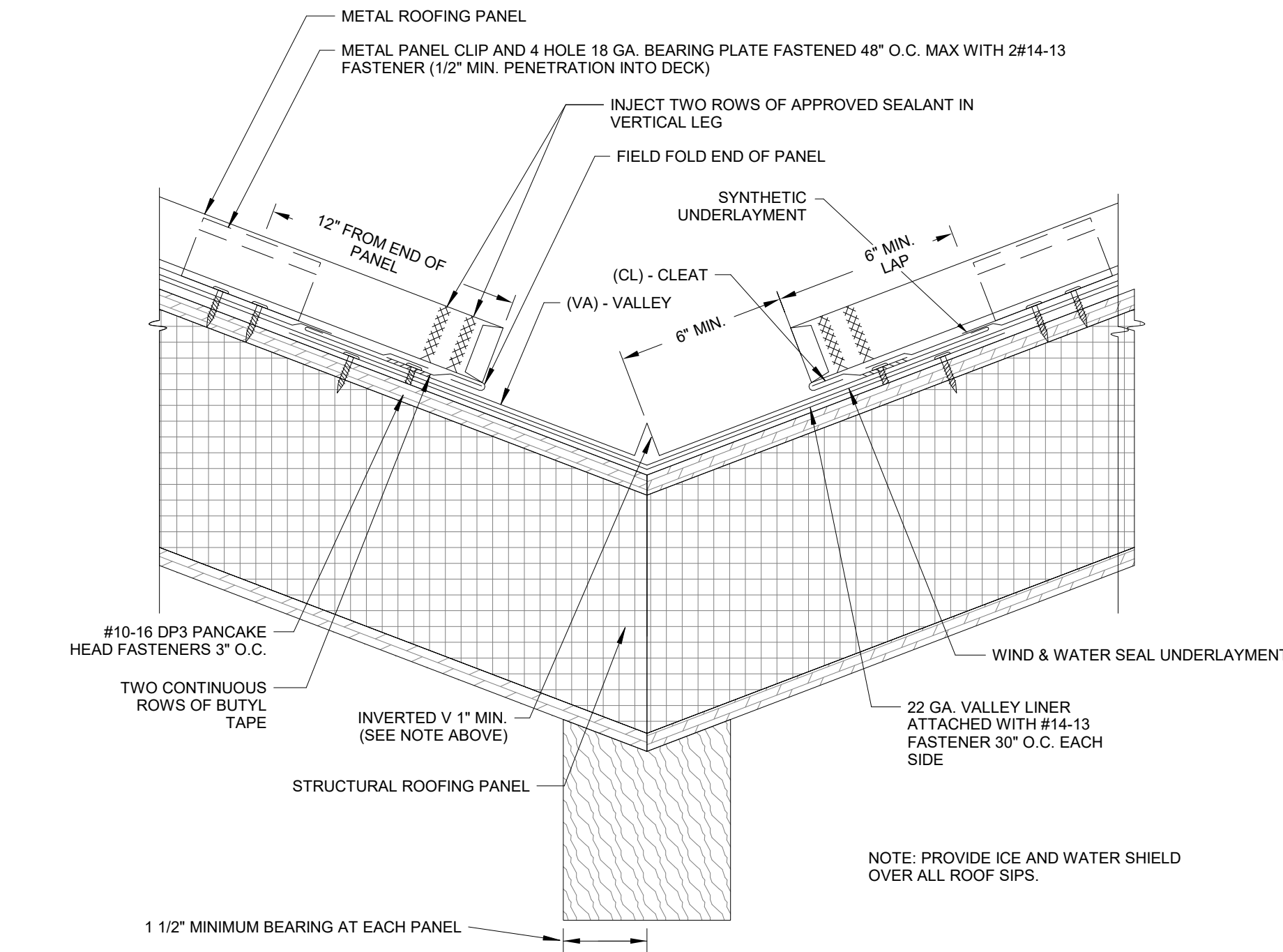
FOR STEEL PANELS > 40' WITH A 2" TURN DOWN AND 2" HEM CLEARANCE:
1. 1/4" FOR INSTALLATION TEMPERATURE BELOW 30 DEGREES FAHRENHEIT.
2. 1/2" FOR INSTALLATION TEMPERATURE ABOVE 30 DEGREES FAHRENHEIT.

PANELS EXCEEDING 40' ADD 1" PER 10' TO EACH SIDE OF VALLEY EXPOSURE.

NO POP RIVETS OR FASTENERS ON EXPOSED WEATHER SIDE OF CLEAT.

INVERTED V NOTE
ON ROOF PITCHES OVER 6:12 OR PANEL LENGTHS EXCEEDING 60' OR ON DISSIMILAR PITCHES INCREASE THE INVERTED V IN THE VALLEY TO 2".

FLASHING LAP NOTE
LAP VALLEY 8" MIN. WITH 2 ROWS OF APPROVED SEALANT.



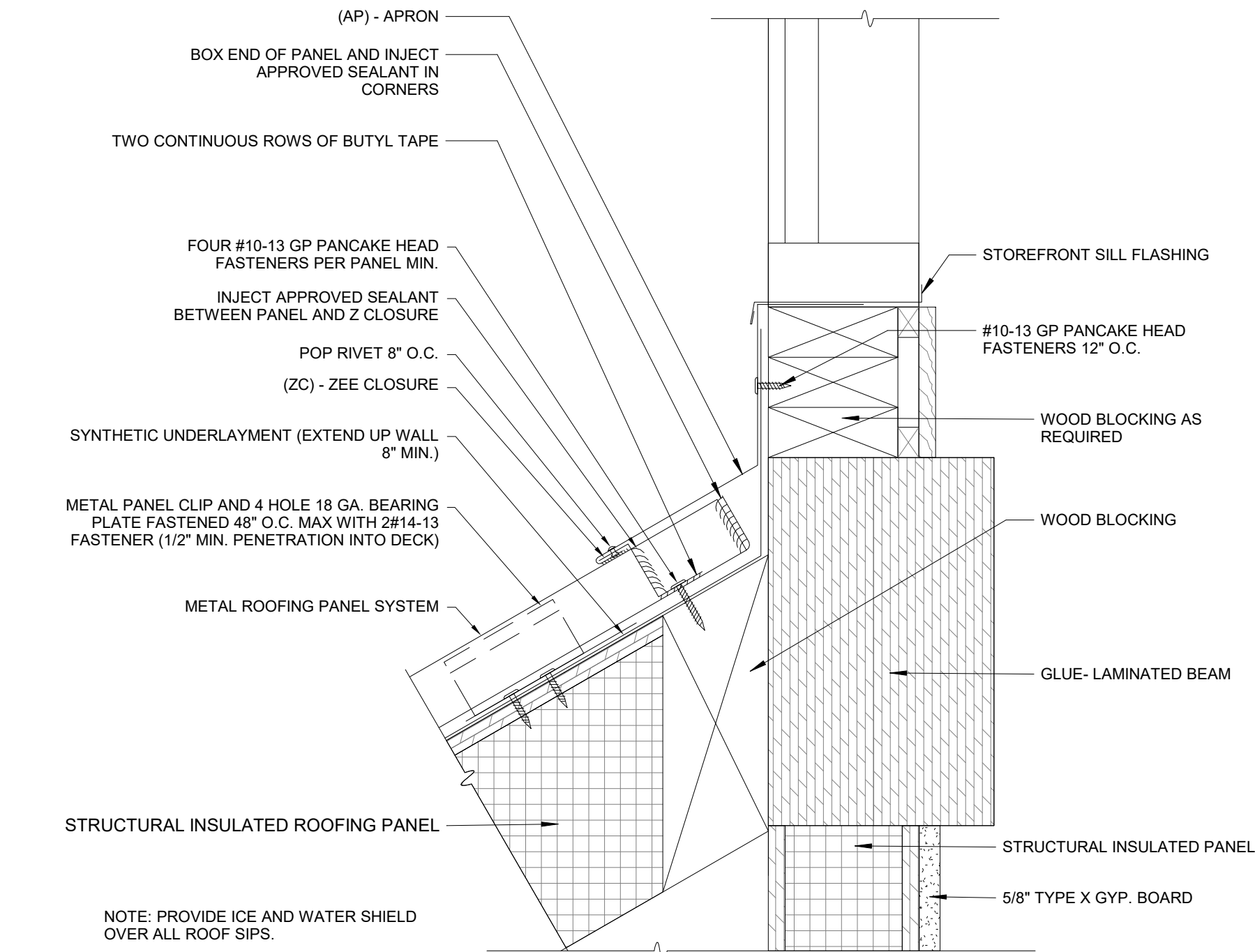
5 VALLEY
3" = 1'-0"

EXPANSION NOTE
RIDGES EXCEEDING 100'-0" IN LENGTH REQUIRE THE USE OF A 6" COVER PLATE.

FLASHING LAP NOTE
LAP RIDGE/HIP 4" MIN W/ 2 ROWS OF BUTYL SEALANT. DO NOT POP RIVET LAPPED FLASHINGS.

2 RAKE EDGE
3" = 1'-0"

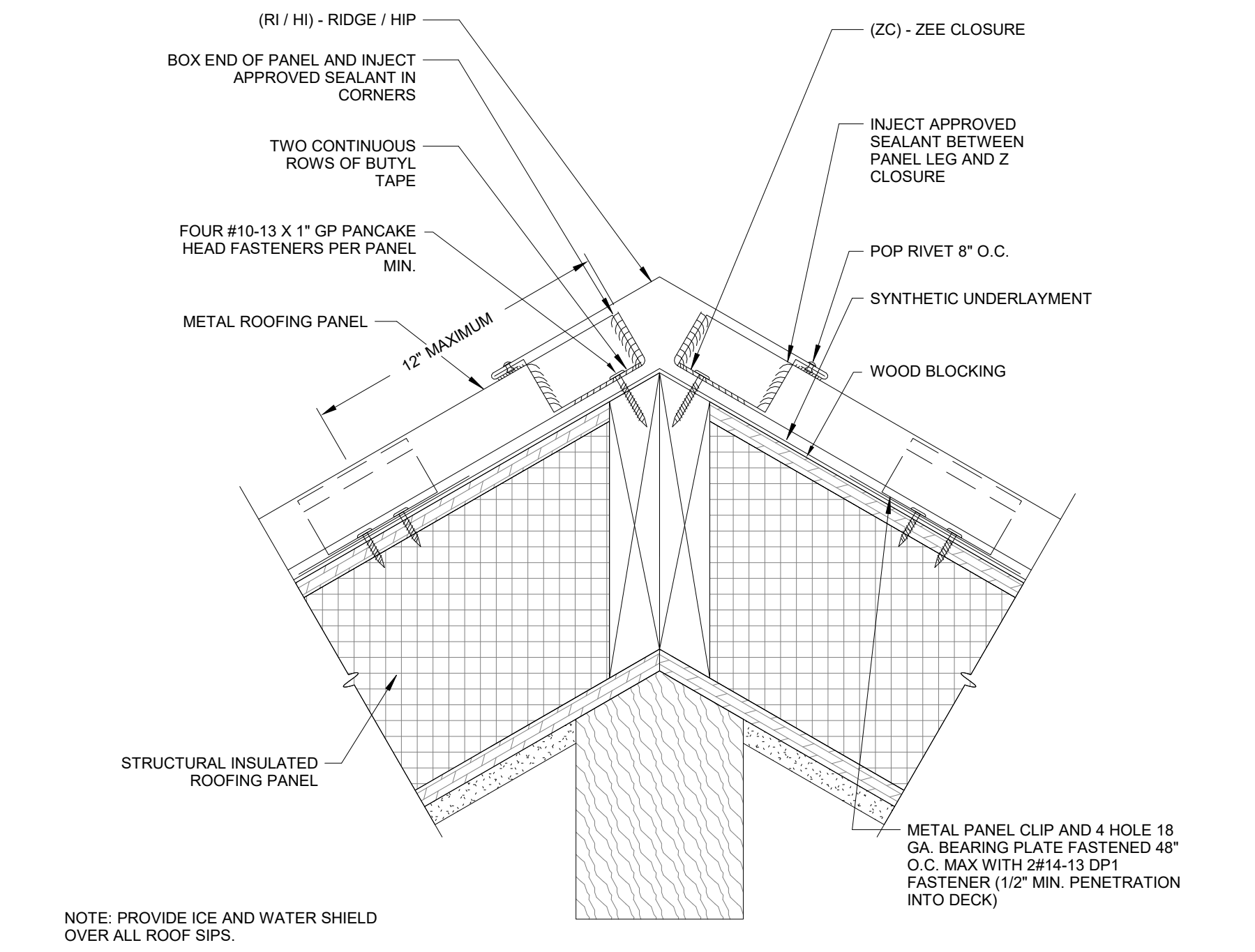
FLASHING LAP NOTE
LAP APRON AND RAT GUARD (SLOPED) 2" MINIMUM WITH 2 ROWS OF BUTYL SEALANT.



4 RAKE WALL @ BEAM
3" = 1'-0"

EXPANSION NOTE
RIDGES EXCEEDING 100'-0" IN LENGTH REQUIRE THE USE OF A 6" COVER PLATE.

FLASHING LAP NOTE
LAP RIDGE/HIP 4" MIN W/ 2 ROWS OF BUTYL SEALANT. DO NOT POP RIVET LAPPED FLASHINGS.



1 RIDGE HIP
3" = 1'-0"

GENERAL NOTES

- THE FOLLOWING DETAILS ON SHEET A403 ARE MANUFACTURER PROVIDED.
- FOR PANEL AREAS WITH FULL ICE AND WATER SHIELD UNDERLAYMENT: STRIP IN DRIP EDGE WITH 6" STRIP OF APPROVED ICE AND WATER SHIELD UNDERLAYMENT. REF. A102 FOR ICE AND WATER SHIELD UNDERLAYMENT LOCATIONS.

DRAWN BY	RLH	
CHECKED BY	SA	
APPROVED BY		
ISSUE DATE	7/2/21	
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4/21/21	DD	SUBMISSION
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PROJECT

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MARIETTA, OHIO 45750
WASHINGTON COUNTY

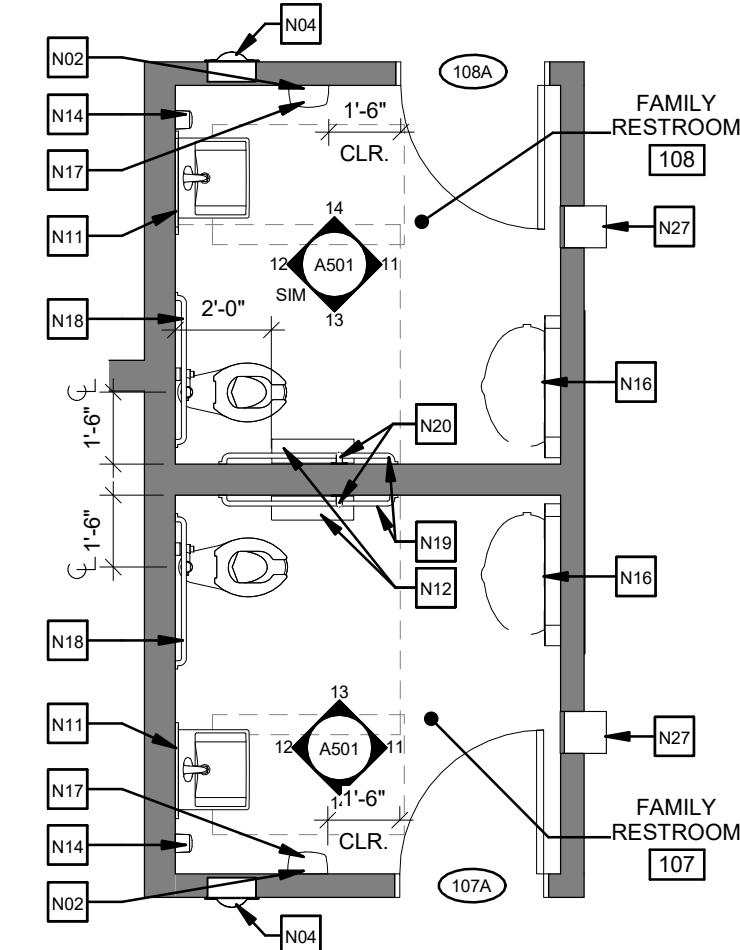
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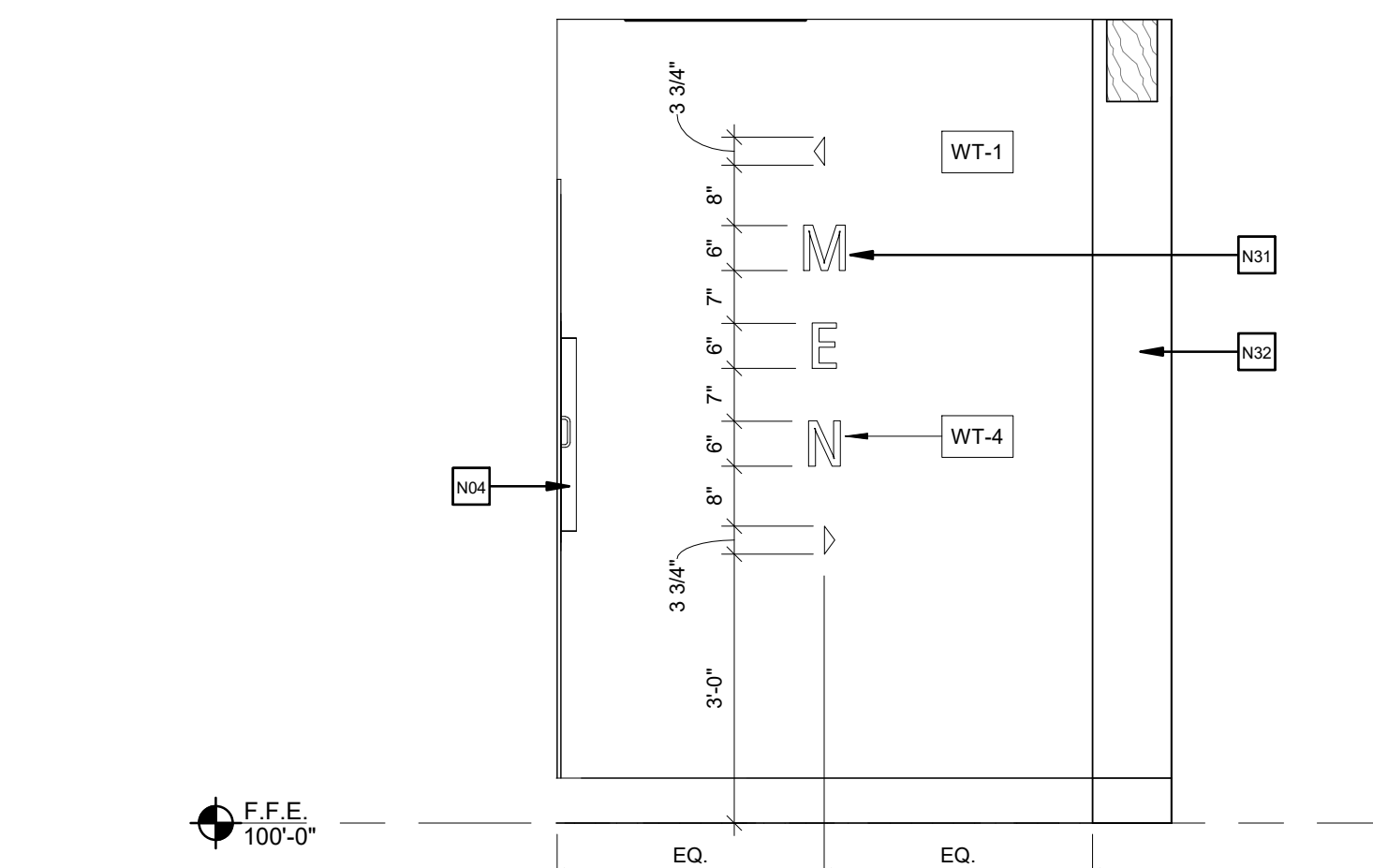
SHEET TITLE METAL ROOF PANEL DETAILS

SHEET **A403**

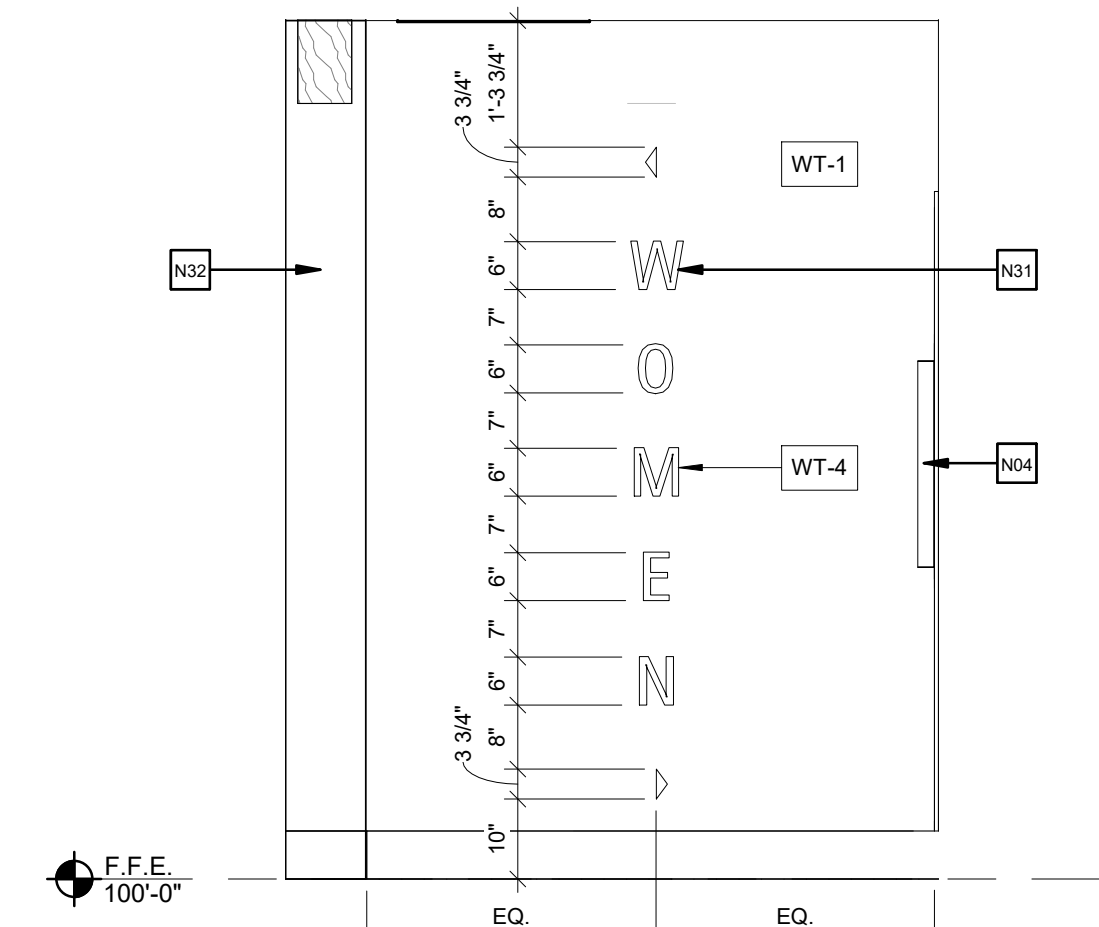
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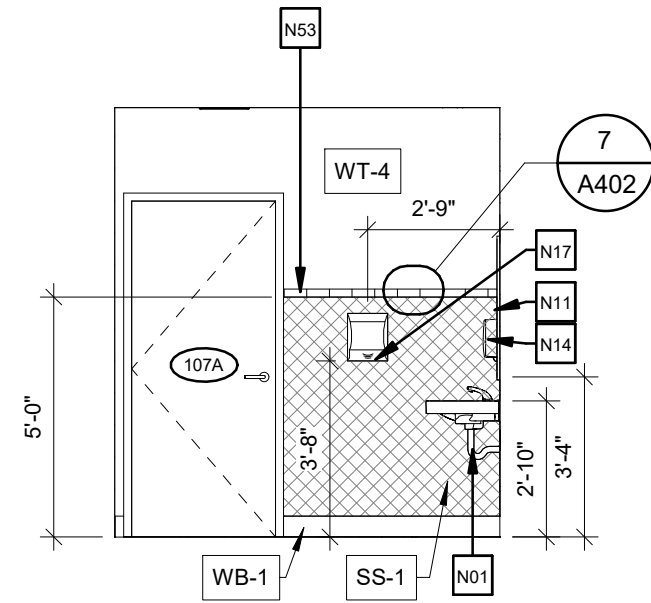
15 ENLARGED PLAN - FAMILY RESTROOM
1/4" = 1'-0"



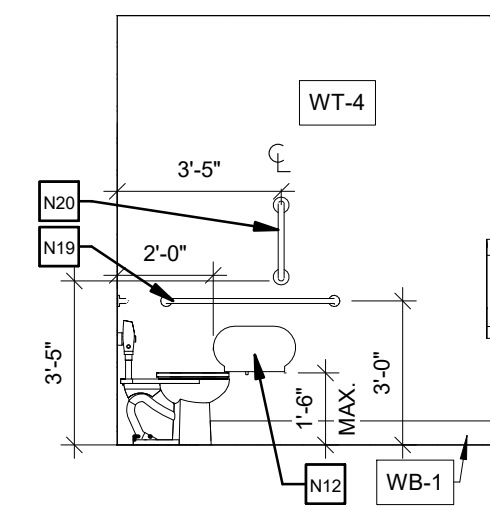
17 MEN'S RESTROOM ENTRY SIGN
1/2" = 1'-0"



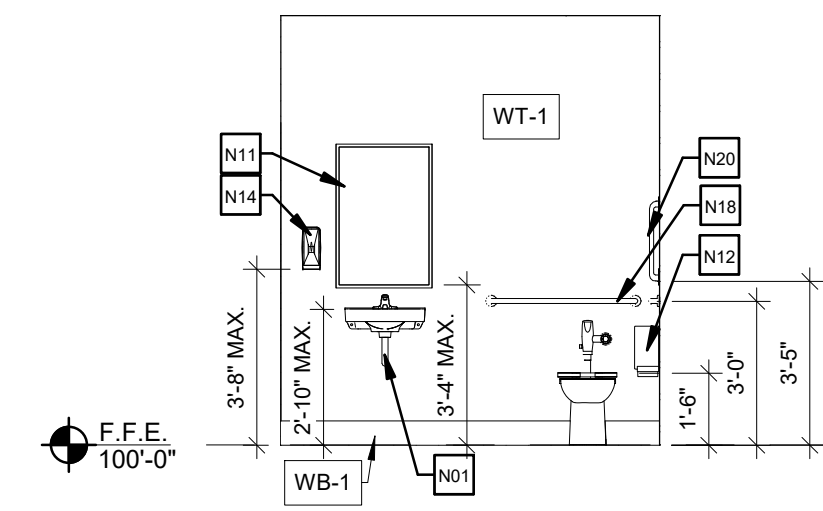
16 WOMEN'S RESTROOM ENTRY SIGN
1/2" = 1'-0"



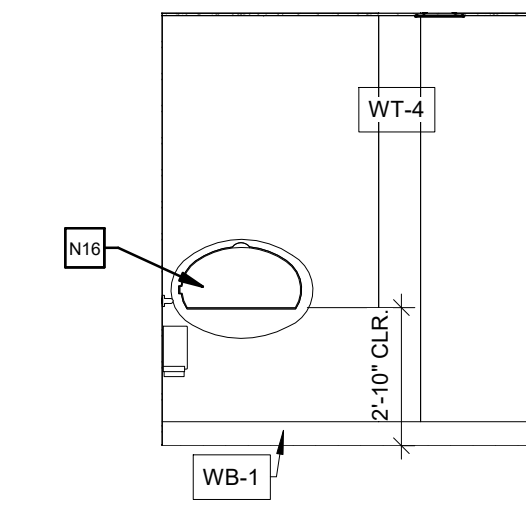
14 SOUTH WALL FAMILY RESTROOM
1/4" = 1'-0"



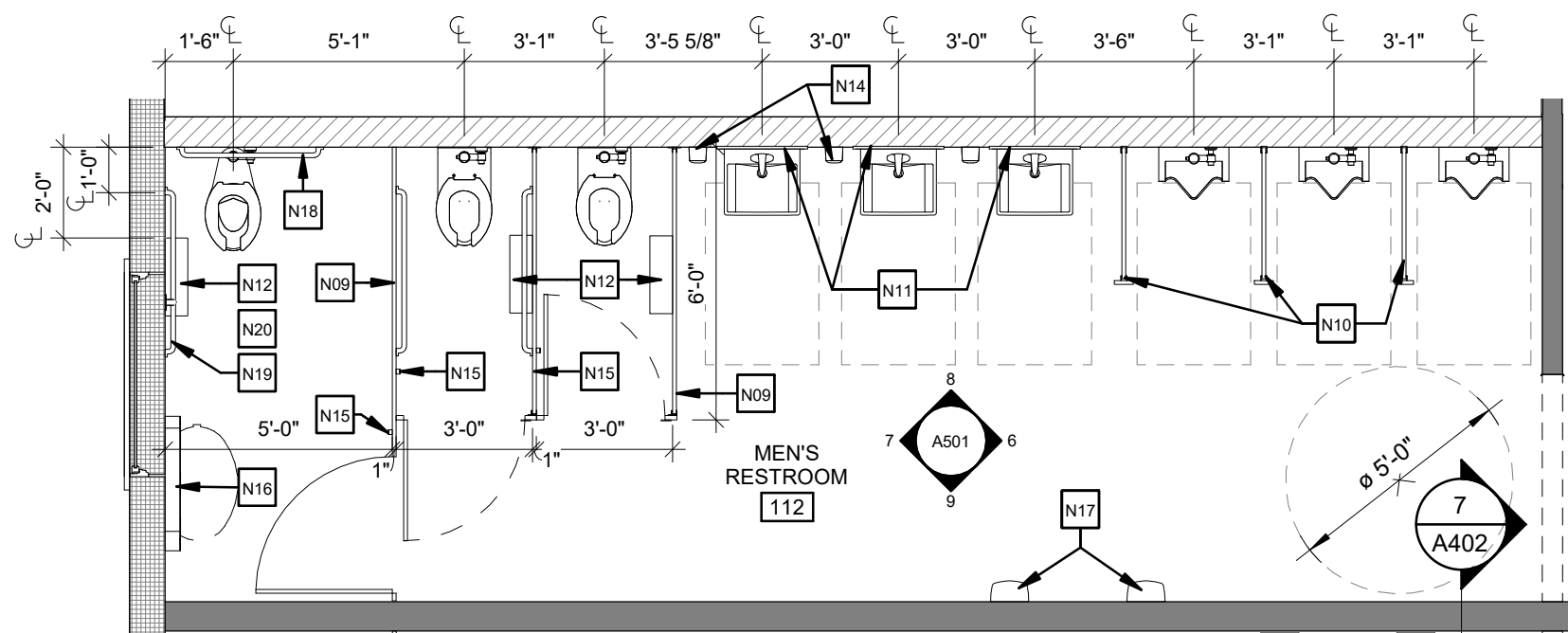
13 NORTH WALL FAMILY RESTROOM
1/4" = 1'-0"



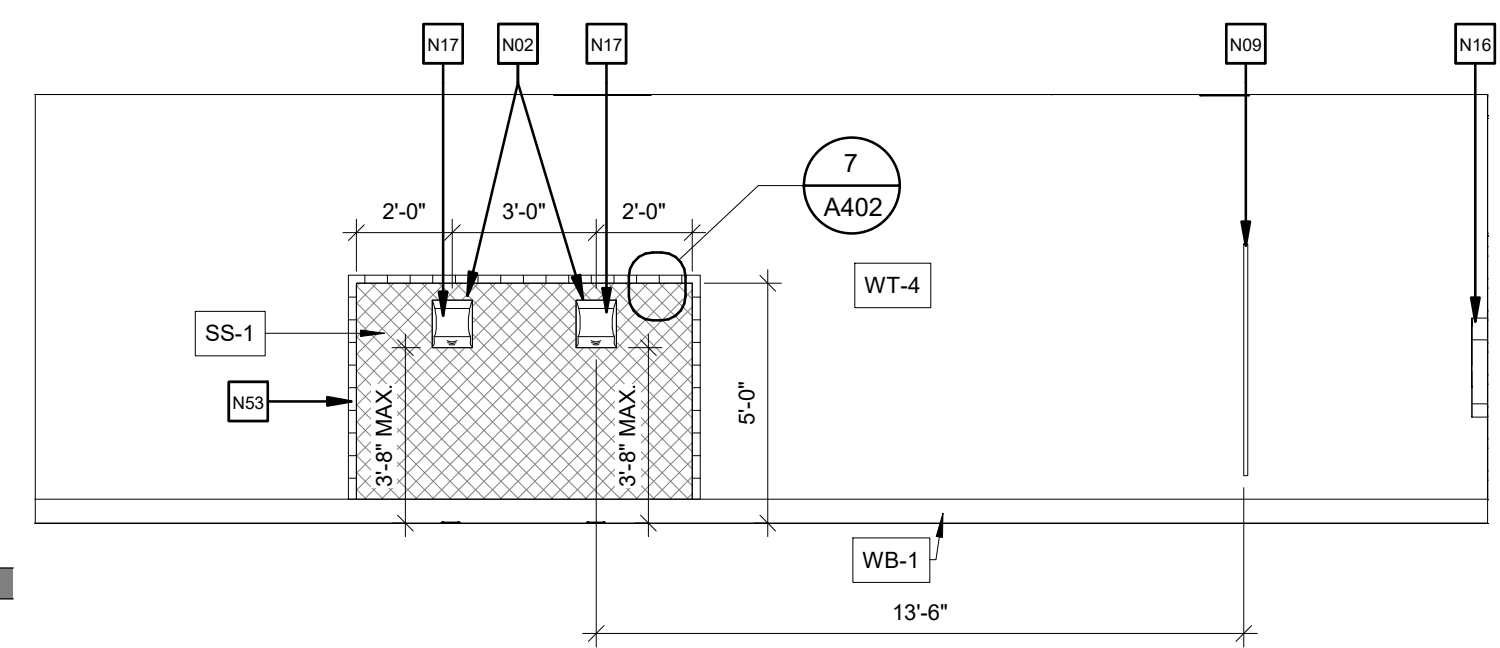
12 WEST WALL FAMILY RESTROOM
1/4" = 1'-0"



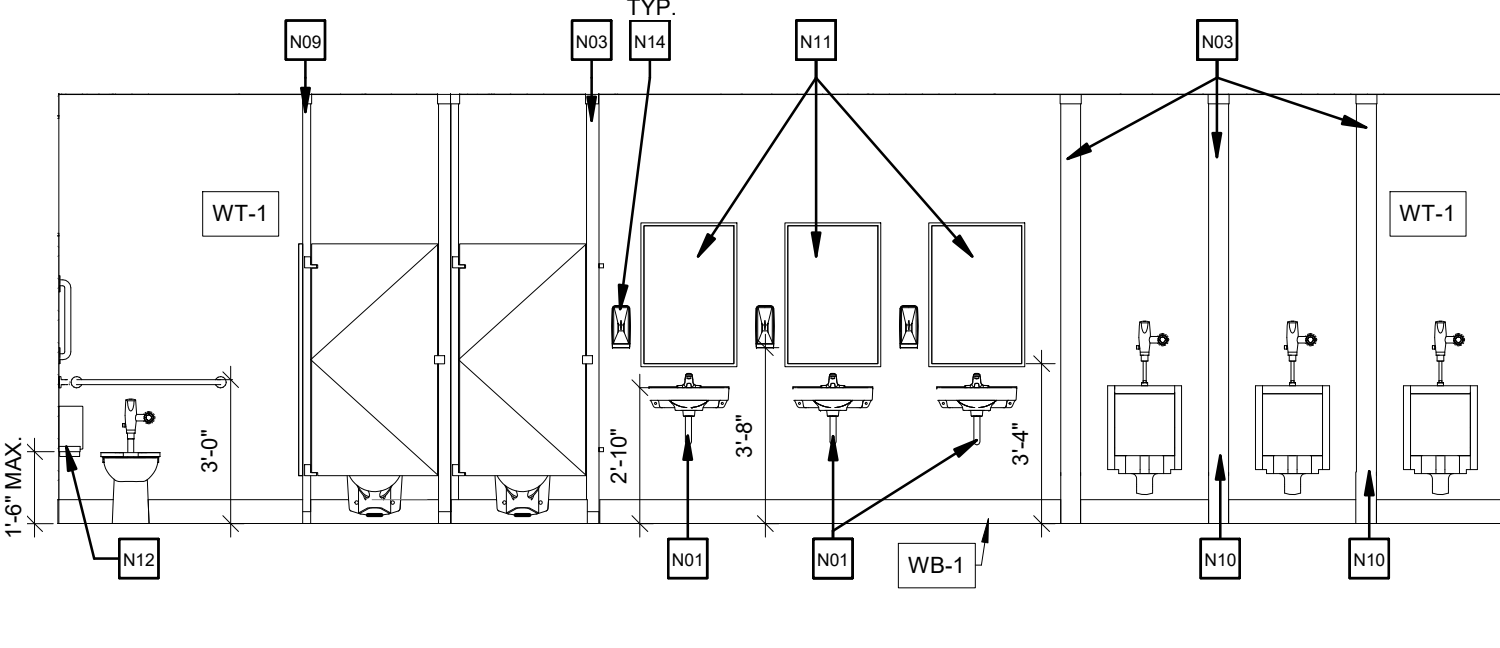
11 EAST WALL FAMILY RESTROOM
1/4" = 1'-0"



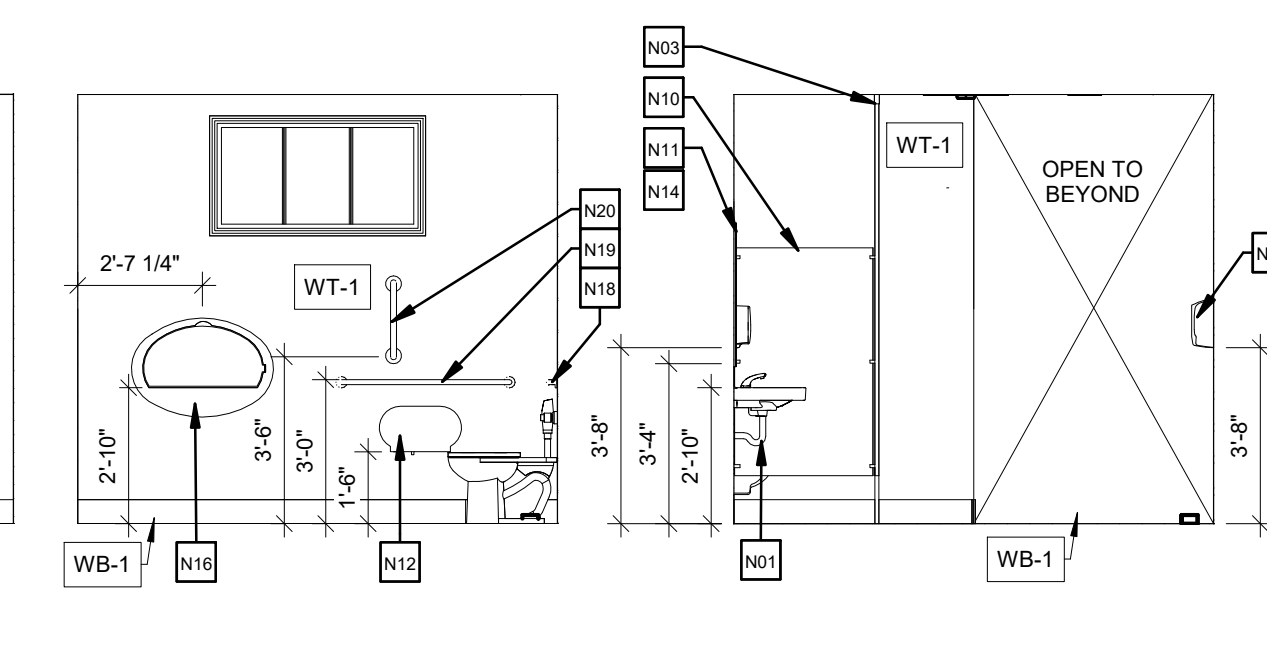
10 ENLARGED PLAN - MEN'S RESTROOM
1/4" = 1'-0"



9 SOUTH WALL MEN'S RESTROOM
1/4" = 1'-0"



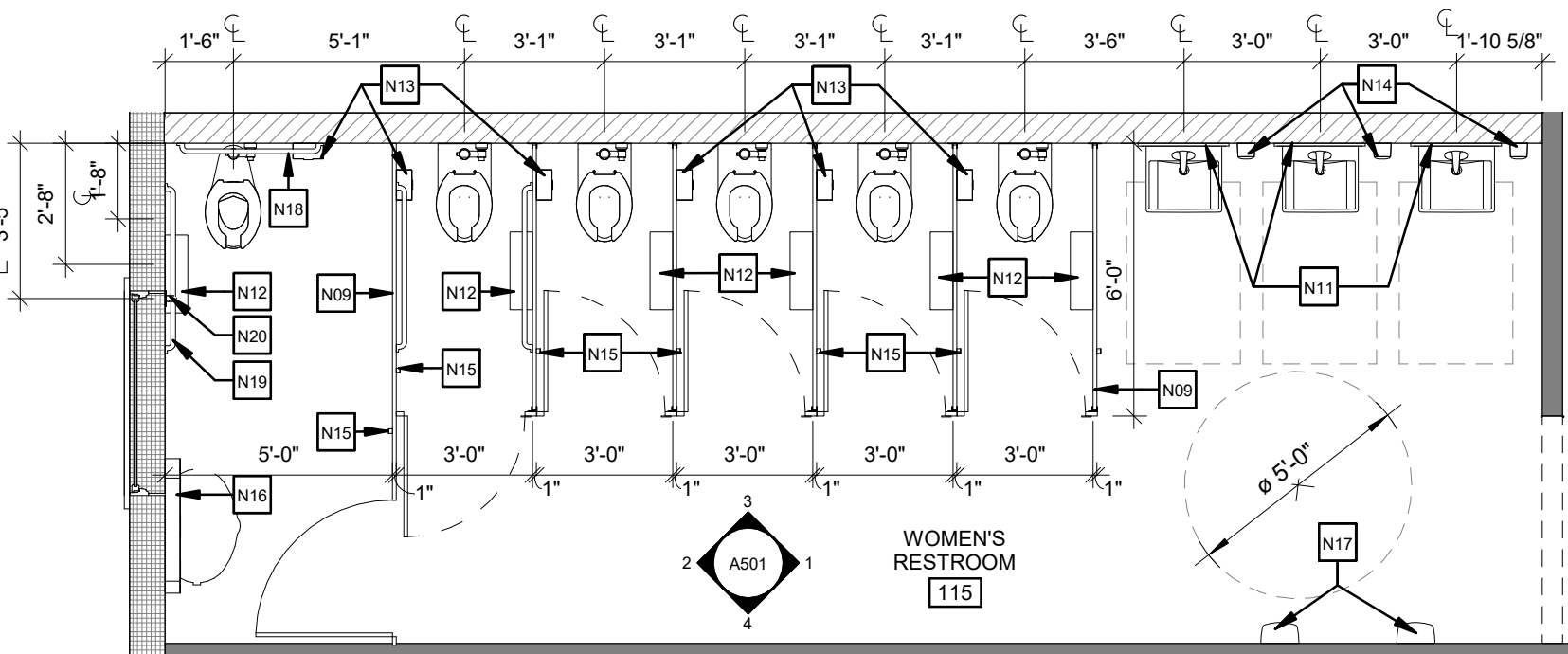
8 NORTH WALL MEN'S RESTROOM
1/4" = 1'-0"



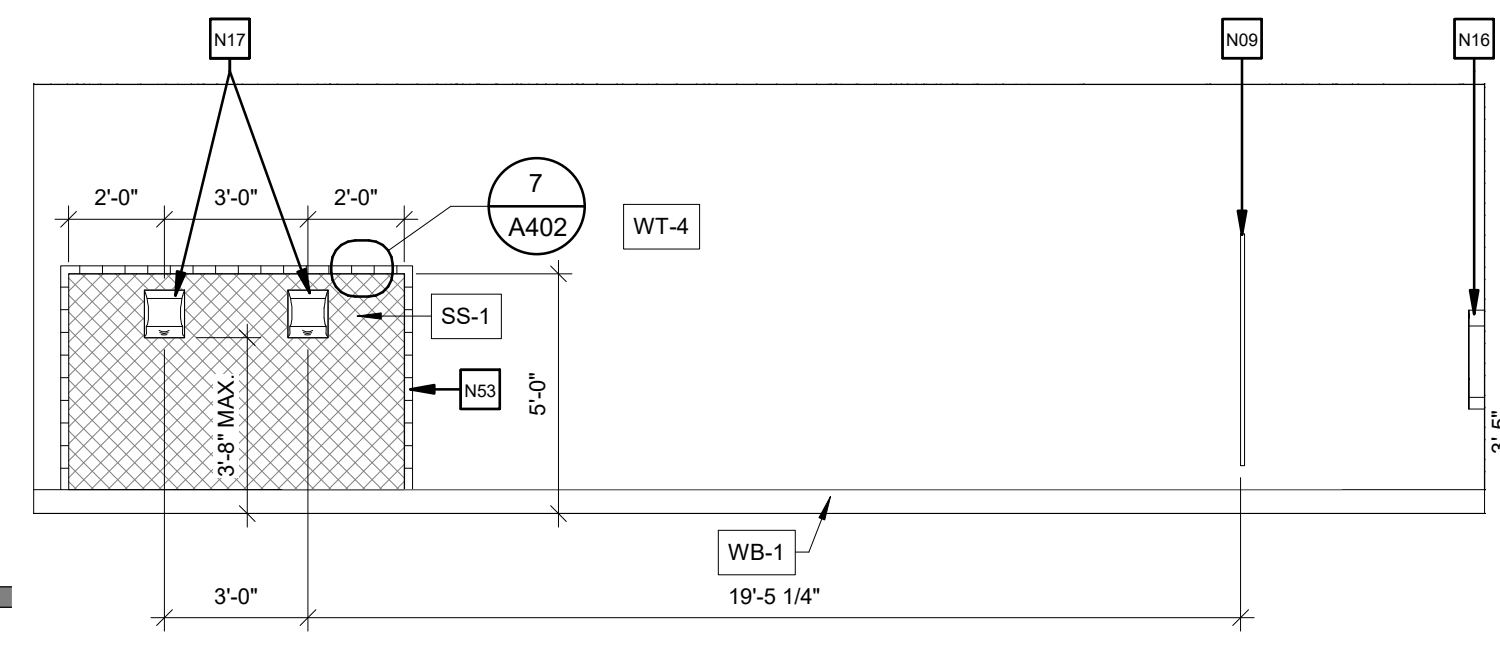
7 WEST WALL MEN'S RR
1/4" = 1'-0"



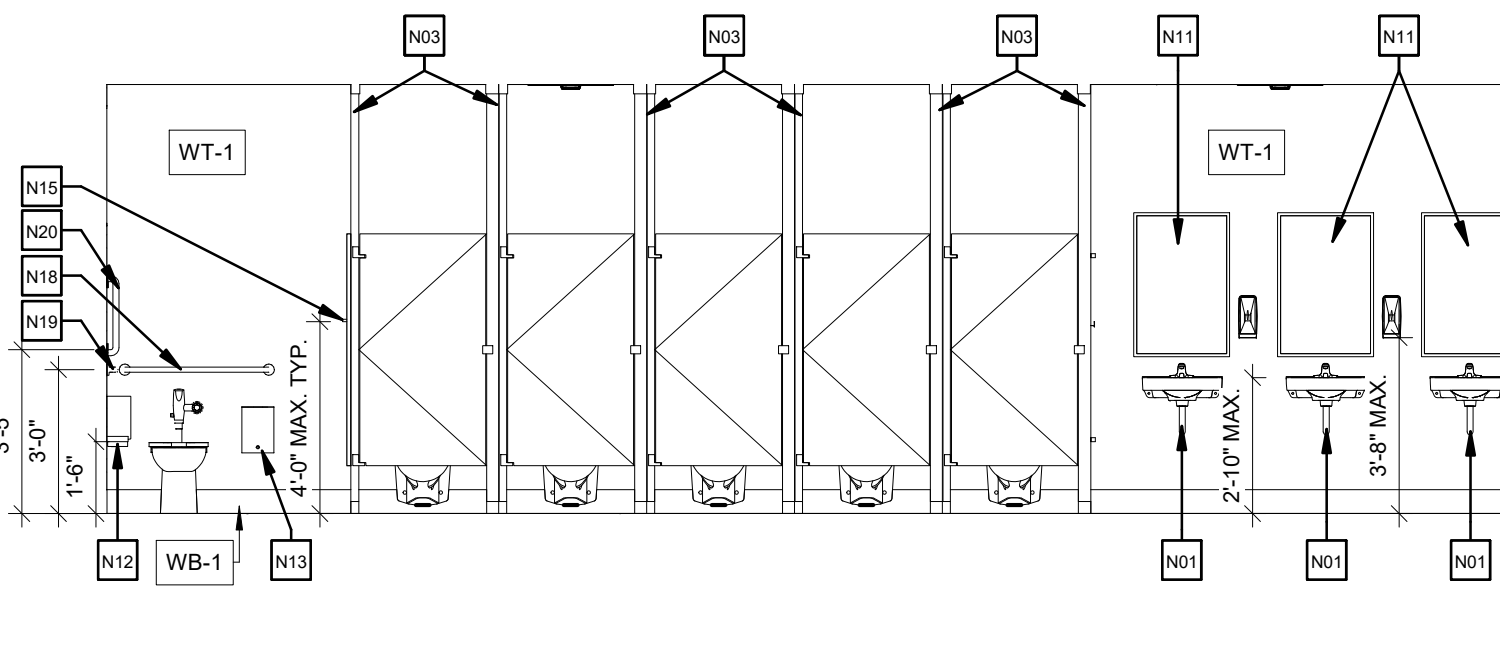
6 EAST WALL MEN'S RR
1/4" = 1'-0"



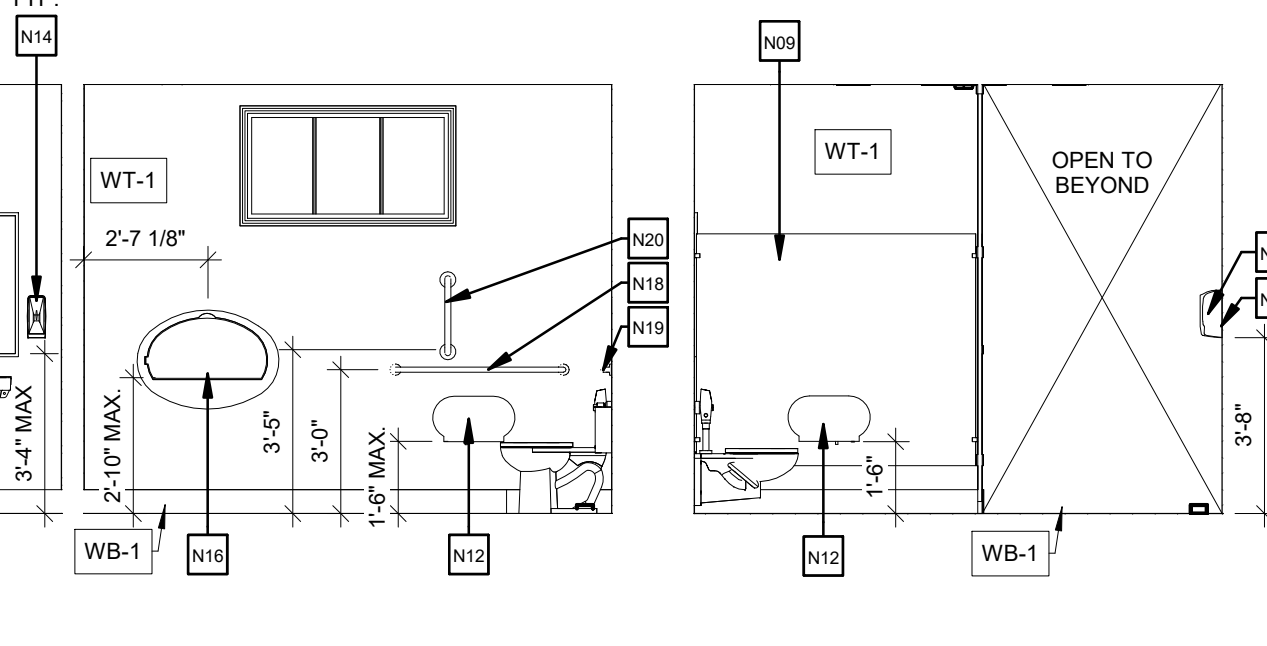
5 ENLARGED PLAN - WOMEN'S RESTROOM
1/4" = 1'-0"



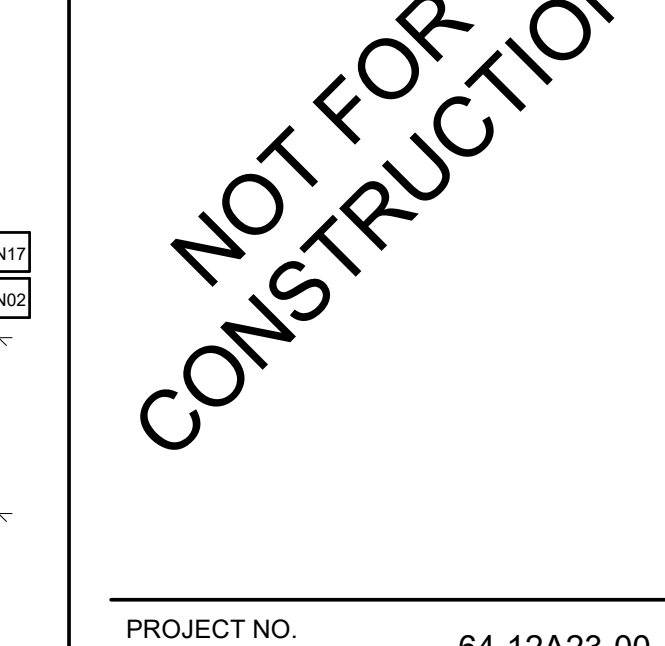
4 SOUTH WALL WOMEN'S RESTROOM
1/4" = 1'-0"



3 NORTH WALL WOMEN'S RESTROOM
1/4" = 1'-0"



2 WEST WALL WOMEN'S RR
1/4" = 1'-0"



1 EAST WALL WOMEN'S RR
1/4" = 1'-0"

GENERAL NOTES

- REFER TO PLUMBING SHEETS FOR FIXTURES SPECIFICATIONS.
- REFER TO SHEET A001 FOR ADDITIONAL INFORMATION ON THE LOCATION OF RESTROOM ACCESSORIES TO COMPLY WITH ANSI A117.1.

KEY NOTES

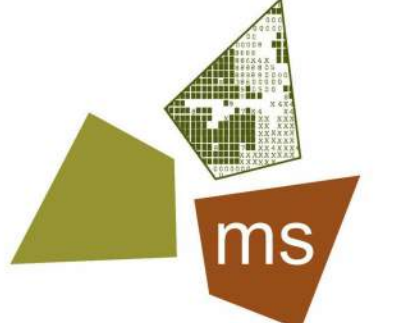
- N01 PROVIDE ADA PIPE GUARD PROTECTION ON ANY EXPOSED PIPES
- N02 SIPS MANUFACTURER TO PROVIDE CHASE/WIREWAY FOR ELECTRIC HAND DRYER
- N03 PROVIDE BLOCKING BETWEEN WOOD TRUSSES TO MOUNT TOILET PARTITIONS AND URINAL SCREENS AT CEILING (ALL LOCATIONS)
- N04 FIRE EXTINGUISHER CABINET
- N09 PLASTIC TOILET COMPARTMENT
- N10 PLASTIC URINAL SCREEN
- N11 24"X36" MIRROR
- N12 TOILET TISSUE DISPENSER PROVIDED BY CONTRACTING AUTHORITY, INSTALLED BY CONTRACTOR
- N13 SANITARY NAPKIN DISPOSAL UNIT
- N14 SOAP DISPENSER PROVIDED BY CONTRACTING AUTHORITY, INSTALLED BY CONTRACTOR
- N15 COAT HOOK
- N16 HORIZONTAL BABY CHANGING STATION
- N17 HAND DRYER
- N18 36" GRAB BAR
- N19 42" GRAB BAR
- N20 18" VERTICAL GRAB BAR
- N27 GLUE-LAMINATED COLUMN
- N31 6" TALL ARIAL FONT (OR EQUAL) TILE SIGN LETTERING
- N32 GLULAM COLUMN IN FRONT OF WALL WITH SIGNAGE
- N53 BULLNOSE WALL TILE ADJACENT TO STAINLESS STEEL PANEL. REF. SPEC'S.

DRAWN BY: MAR/RLH

CHECKED BY: AKN

ISSUE DATE: 7/2/21

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#	DATE	DESCRIPTION
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PROJECT
REST AREA BUILDING REPLACEMENT

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PROJECT NO. 64-12A23-00

SHEET TITLE
RESTROOM ENLARGED PLANS AND INTERIOR ELEVATIONS

SHEET **A501**

6/30/2021 9:30:12 AM NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.

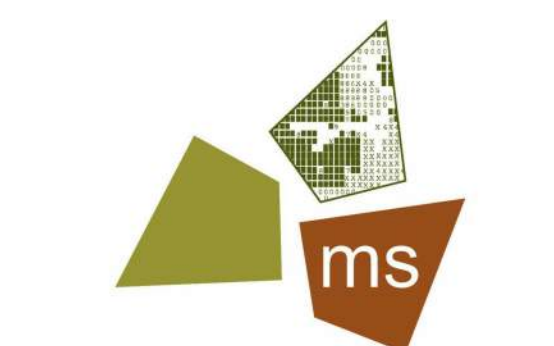
GENERAL NOTES

- REFER TO FINISH SCHEDULE FOR INTERIOR FINISHES.
- REFER TO PLUMBING SHEETS FOR FIXTURES SPECIFICATIONS.
- REFER TO SHEET A001 FOR ADDITIONAL INFORMATION ON THE LOCATION OF RESTROOM ACCESSORIES TO COMPLY WITH ANSI A117.1.
- APPLY TRANSPARENT ANTI-GRAFFITI COATING TO ALL WOOD STRUCTURE (INTERIOR & EXTERIOR SURFACES) AFTER ASSEMBLY BUT PRIOR TO INSTALLED WALLS, STOREFRONT, SIPs ROOFING PANELS, ETC.
- REF. WALL TYPES FOR PLYWOOD BLOCKING INFORMATION.

KEY NOTES

- N04 FIRE EXTINGUISHER CABINET
- N08 GLUE-LAMINATED BEAM; REF. STRUCTURAL DWG'S.
- N21 DRINKING FOUNTAIN WITH BOTTLE FILLER
- N22 TRACK LIGHTING; REF. ELEC. DWG'S.
- N23 6'-0" X 2'-0" BROCHURE RACK WITH TWO SHELVES TO BE SELECTED AND INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N26 AUTOMATIC DOOR OPENER
- N27 GLUE-LAMINATED COLUMN
- N29 CHANDELIER; REF. ELEC. DWG'S.
- N33 REGIONAL IMAGERY 6'-0"X2'-1/2" TO BE SELECTED AND INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N34 65" TV WITH WALL MOUNT TO BE SELECTED AND INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N35 CUSTOM VINYL WALL COVERING WITH O.D.N.R. IMAGE TO BE SELECTED AND INSTALLED BY OHIO TOURISM AT END OF PROJECT; WALL COVERING TO COVER ENTIRE WALL BETWEEN GLULAM STRUCTURE, N.I.C.
- N36 GOVERNOR IMAGERY 1'-0"X2'-0" TO BE SELECTED AND INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N37 4'-0" X 4'-0" BROCHURE RACK WITH FOUR SHELVES TO BE SELECTED AND INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N38 WAY FINDER MAP 6'-0"X4'-0" TO BE INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N39 LOGO SIGN 4'-0"X2'-0" TO BE INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N40 1/2" WIDE METAL OHIO SHAPE; COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS; SHAPE APPROX. 1'-11" W X 2'-1" H; TO BE INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N41 CABLE HUNG 22"X28" GRAPHIC SELECTED AND INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.; REF. 1/A101 FOR SPACING; 2X4 BLOCKING TO SPAN THE TRUSSES ABOVE THE CEILING FOR MOUNTING OF CABLES; CEILING TO FLOOR CABLE SYSTEM BASIS OF DESIGN; DISPLAYS2GO SIGN HOLDERS WITH CEILING TO FLOOR CABLES; (CLEAR)
- N42 6'-0" X 6'-0" CUSTOM VINYL WALL COVERING TO BE SELECTED AND INSTALLED BY OHIO TOURISM AT END OF PROJECT, N.I.C.
- N44 12" CAST LETTERING AT 1/2" THICK, FONT AND COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS; OHIO TOURISM TO INSTALL AT END OF PROJECT, N.I.C.
- N45 7" CAST LETTERING AT 1/4" THICK, FONT AND COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS; OHIO TOURISM TO INSTALL AT END OF PROJECT, N.I.C.
- N46 4" CAST LETTERING AT 1/4" THICK, FONT AND COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS; TEXT TO BE CENTERED BELOW STATE OF OHIO SHAPE; OHIO TOURISM TO INSTALL AT END OF PROJECT, N.I.C.
- N47 3" CAST LETTERING AT 1/4" THICK, FONT AND COLOR TO BE SELECTED BY OHIO TOURISM OUT OF STANDARD SET OF COLORS; TEXT TO BE CENTERED BELOW STATE OF OHIO SHAPE; OHIO TOURISM TO INSTALL AT END OF PROJECT, N.I.C.
- N48 CURVED BENCH; REF. FLOOR PLAN
- N50 N.I.C. SPACE RESERVED FOR OHIO TOURISM SIGNAGE
- N51 SECURITY CAMERA; REF. SECURITY DWG'S.
- N52 6" CAST LETTERING AT 3/4" THICK IN ANODIZED ALUM. DARK BRONZE; SIGNAGE CENTERED ABOVE WALL OPENING BELOW

REVISION		
#	DATE	DESCRIPTION
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4/7/21	DD	PROGRESS
4/21/21	DD	SUBMISSION
6/18/21	CD	PROGRESS
7/2/21	CD	SUBMISSION



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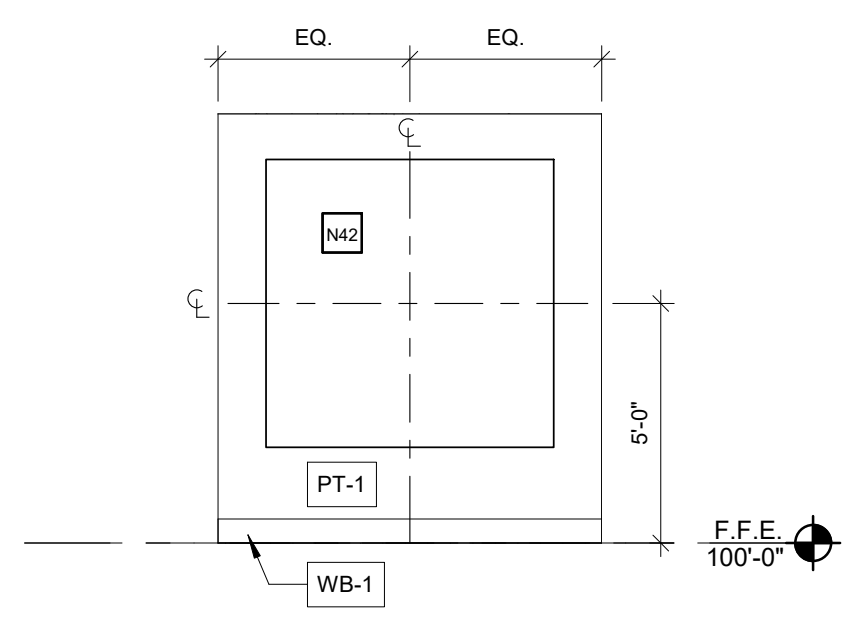


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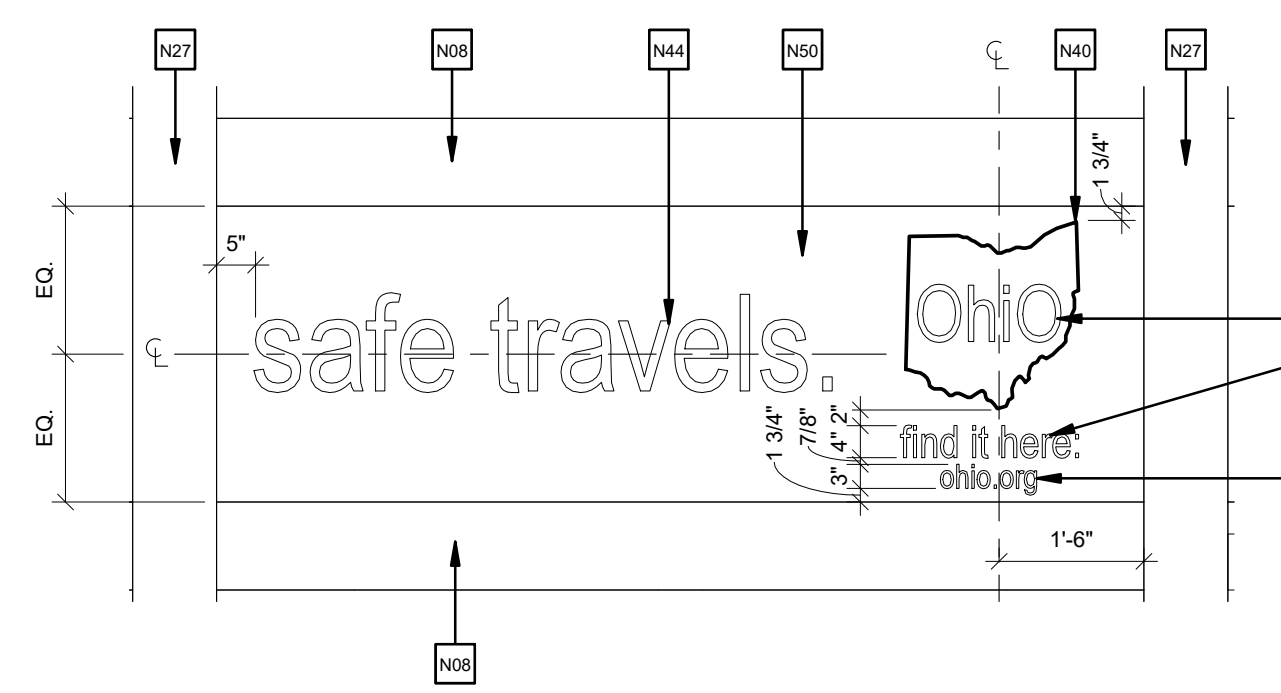


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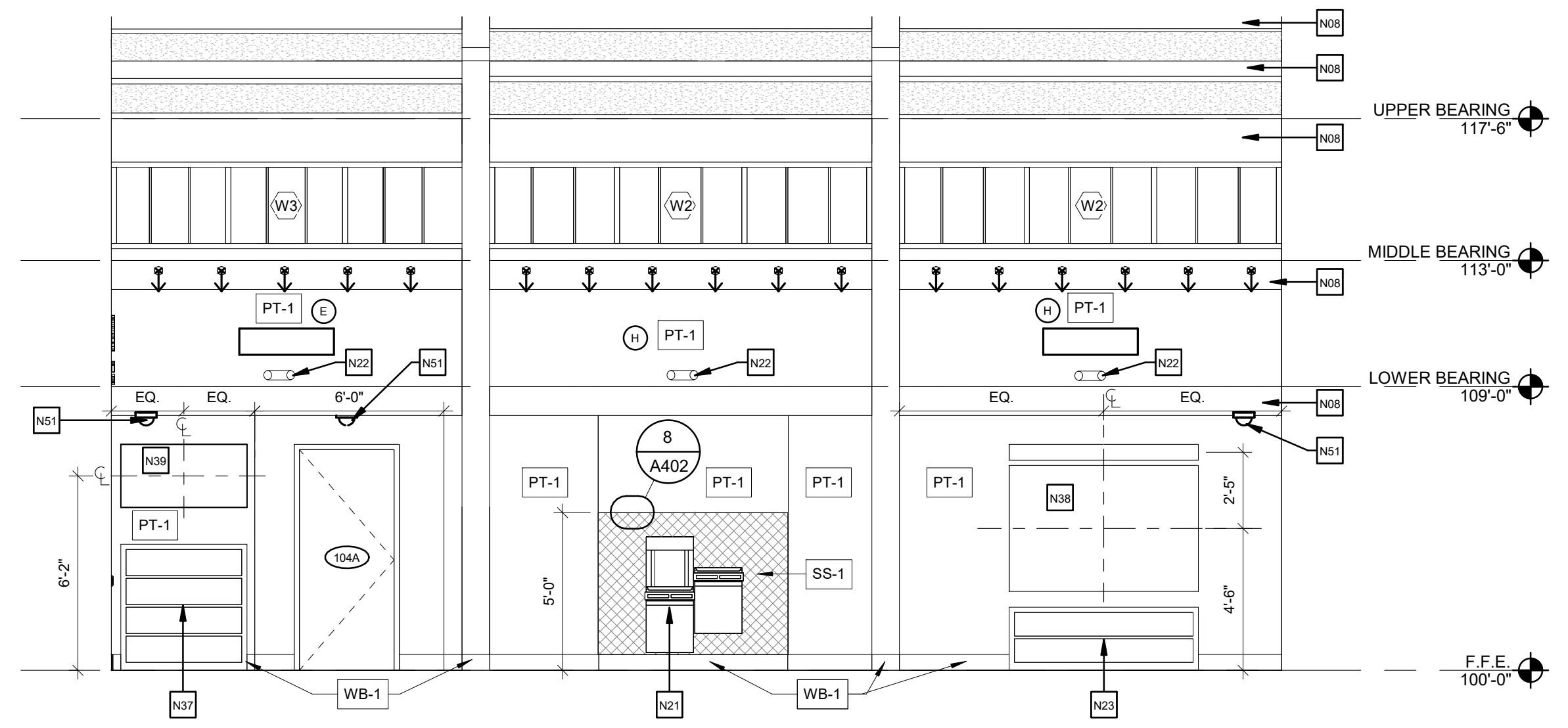
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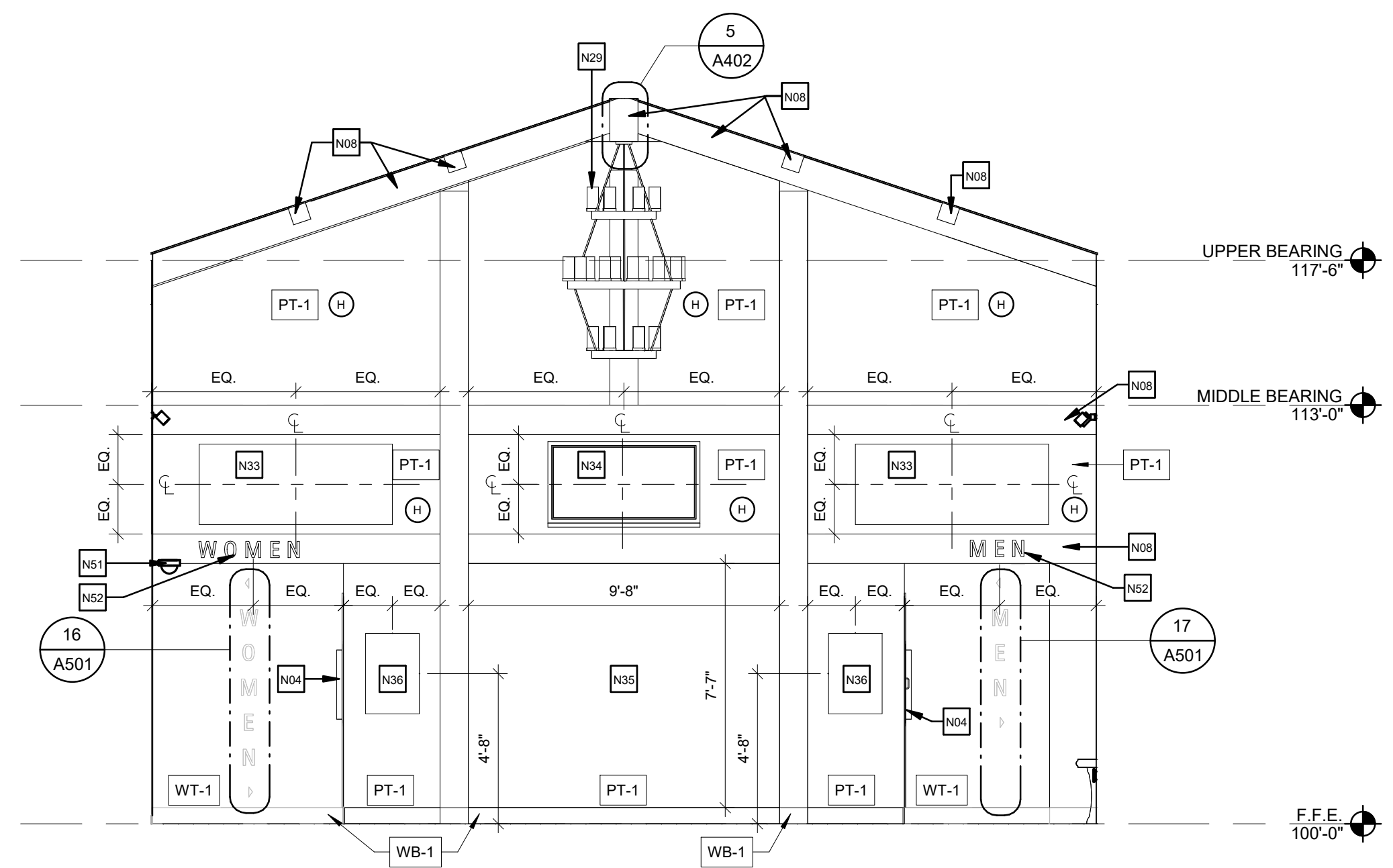
6 LOBBY WEST SMALL WALL INTERIOR ELEVATION
1/4" = 1'-0"



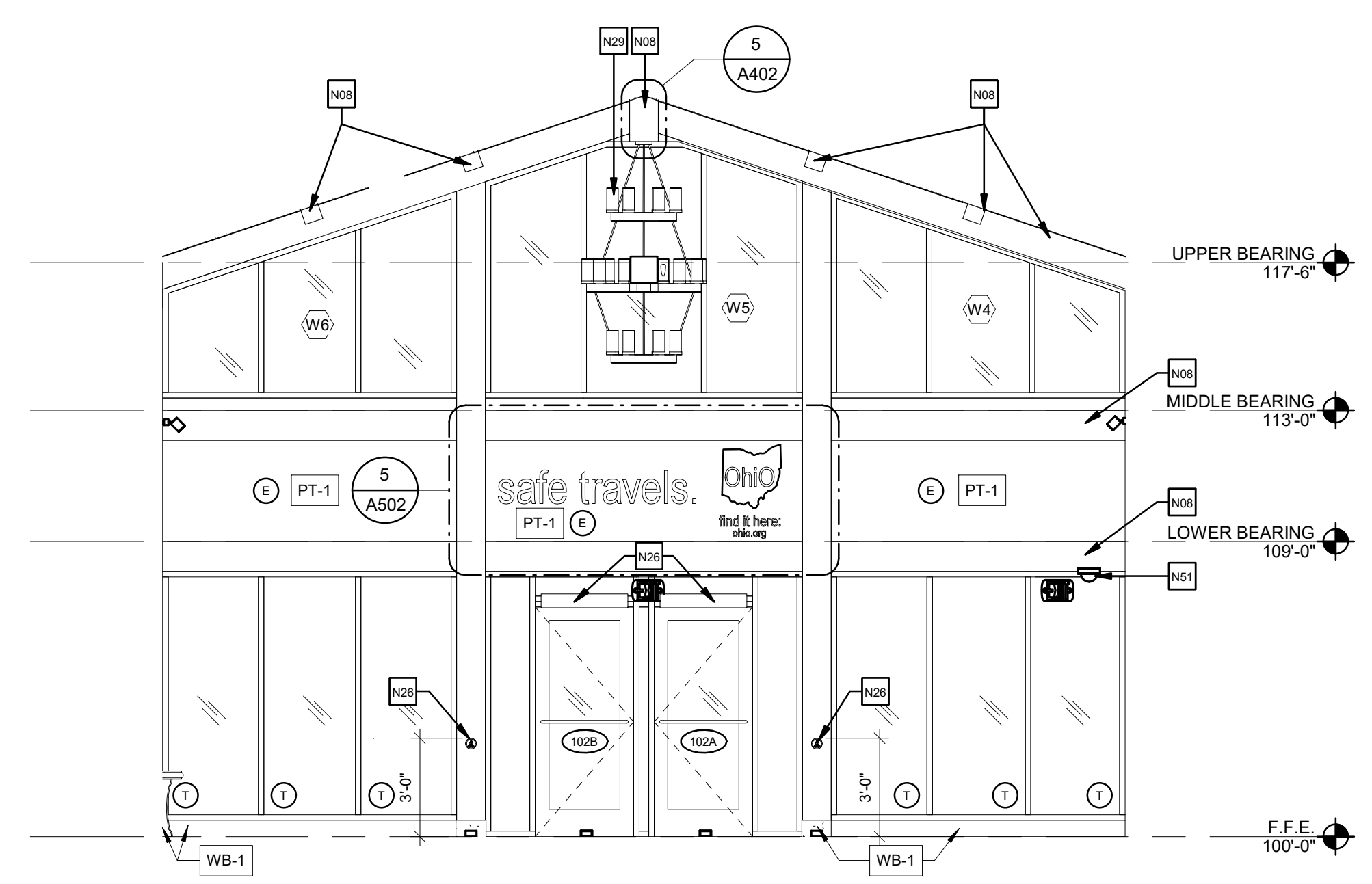
5 SAFE TRAVELS SIGNAGE
1/2" = 1'-0"



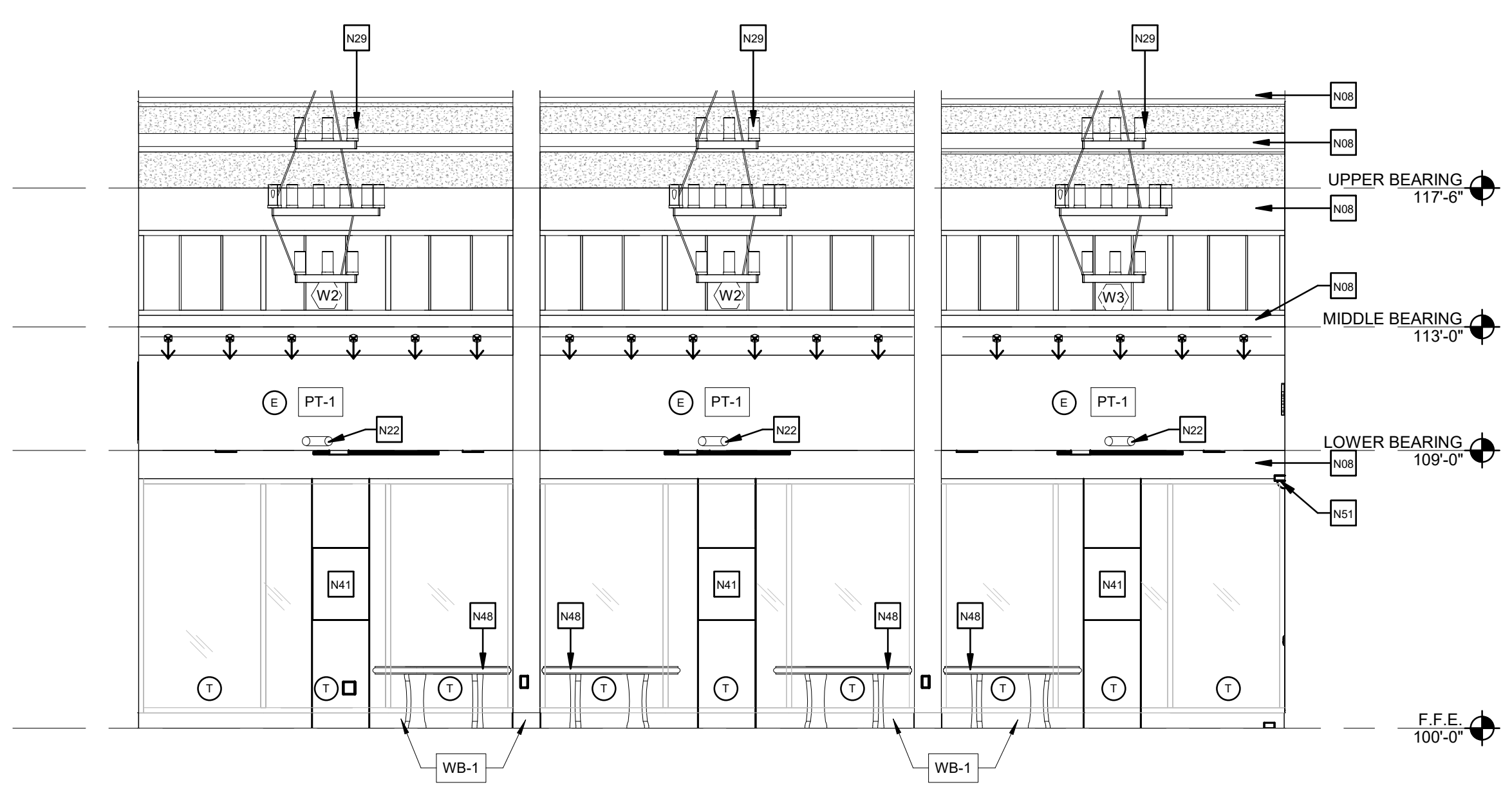
4 LOBBY SOUTH WALL INTERIOR ELEVATION
1/4" = 1'-0"



3 LOBBY WEST WALL INTERIOR ELEVATION
1/4" = 1'-0"



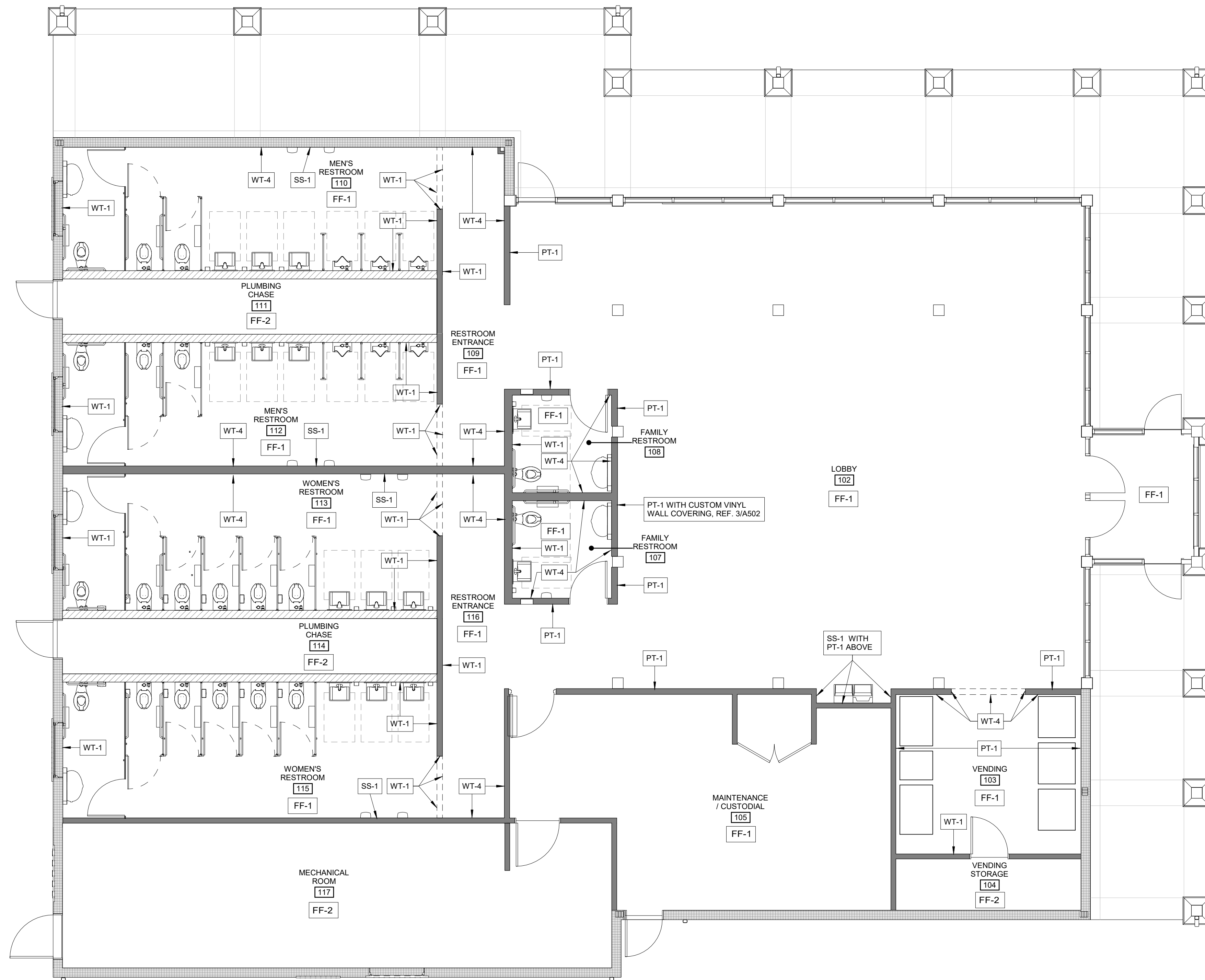
2 LOBBY EAST WALL INTERIOR ELEVATION
1/4" = 1'-0"



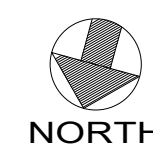
1 LOBBY NORTH WALL INTERIOR ELEVATION
1/4" = 1'-0"

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1 FLOOR FINISH PLAN
3/16" = 1'-0"



GENERAL NOTES

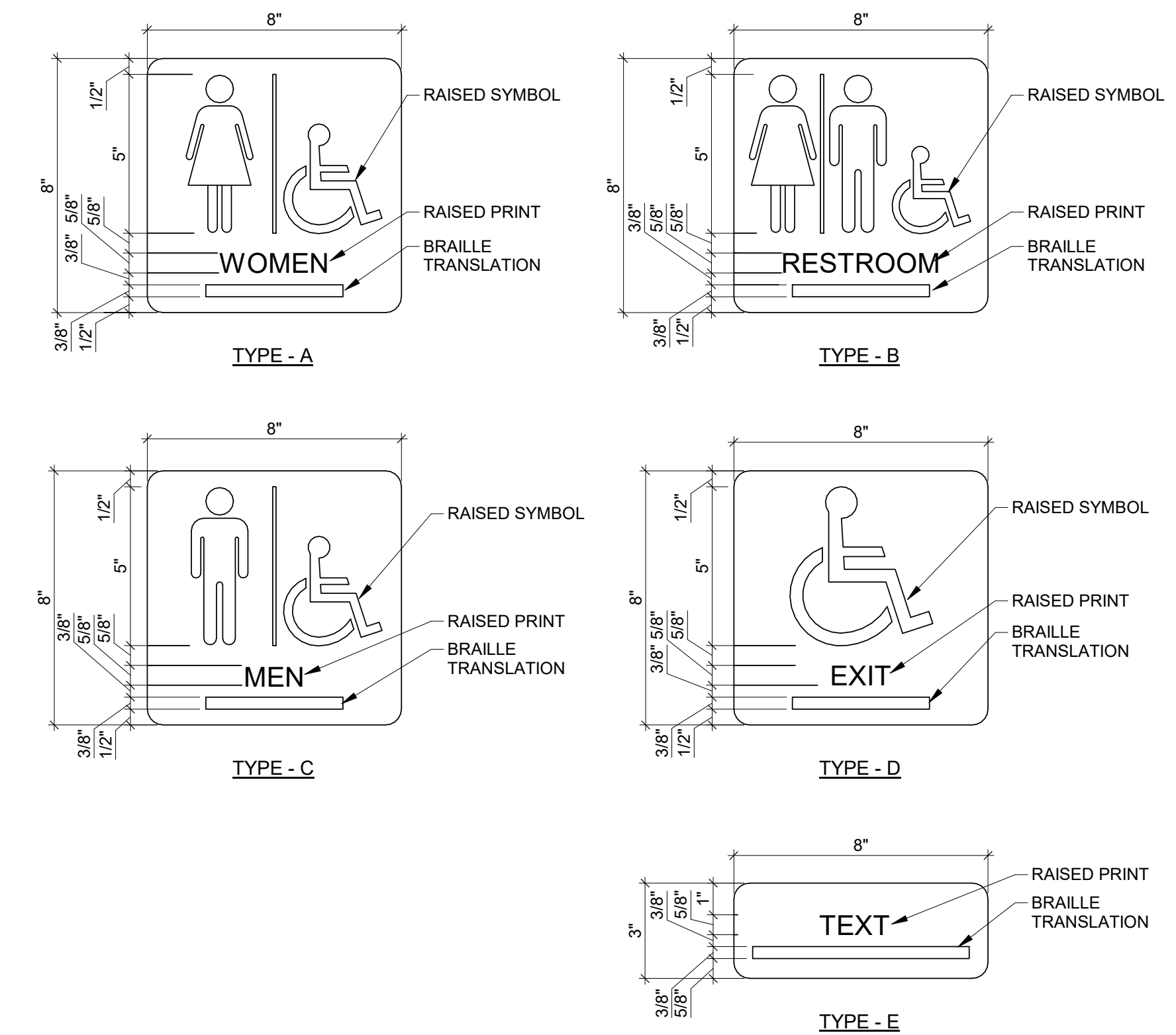
- 100.00' FINISH FLOOR ELEVATION IS USED FOR SIMPLICITY OF DRAWINGS (ACTUAL ELEVATION WILL VARY BY LOCATION)
- REFER TO FINISH LEGEND FOR FINISH REFERENCES.
- PRIME AND PAINT ALL WALLS WHERE CALLED OUT INCLUDING BEHIND FURNITURE, WALL HUNG GRAPHICS, TELEVISIONS, AND OTHER DISPLAYS.

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	WALL BASE	WALLS	CEILING	REMARKS
101	VESTIBULE	FF-1		WB-1	PT-1	
102	LOBBY	FF-1		WB-1	PT-1	SS-1 / PT-1
103	VENDING	FF-1		WB-1	PT-1	WT-1/WT-4
104	VENDING STORAGE	FF-2	WB-2	PT-1		PT-2
105	MAINTENANCE / CUSTODIAL	FF-1		WB-1	PT-1	PT-2
107	FAMILY RESTROOM	FF-1		WB-1	WT-1/WT-4	PT-2
108	FAMILY RESTROOM	FF-1		WB-1	WT-1/WT-4	PT-2
109	RESTROOM ENTRANCE	FF-1		WB-1	WT-1/WT-4	PT-2
110	MEN'S RESTROOM	FF-1		WB-1	WT-1/WT-4	PT-2
111	PLUMBING CHASE	FF-2	WB-2	PT-1		PT-2
112	MEN'S RESTROOM	FF-1		WB-1	WT-1/WT-4	PT-2
113	WOMEN'S RESTROOM	FF-1		WB-1	WT-1/WT-4	PT-2
114	PLUMBING CHASE	FF-2	WB-2	PT-1		PT-2
115	WOMEN'S RESTROOM	FF-1		WB-1	WT-1/WT-4	PT-2
116	RESTROOM ENTRANCE	FF-1		WB-1	WT-1/WT-4	PT-2
117	MECHANICAL ROOM	FF-2	WB-2	PT-1		PT-2

FINISH LEGEND

FF-1 DUR-A-FLEX STYLE: HYBR-FLEX-AC COLOR: FIELDSTONE	SS-1 STAINLESS STEEL PANELS TYPE: 304 STAINLESS STEEL ALLOY THICKNESS: 22 GAUGE PANEL SIZE: 4' X 8' FINISH: DIAMOND PATTERN WITH BRUSHED FINISH NOTE: EDGES & CORNERS TO BE HEMMED	WT-1 DAL-TILE PORCELAIN STYLE: AYERS ROCK COLOR: RUSTIC REMNANT AY05 SIZE: 13x20 FIELD TILES GROUT COLOR: TEC 982 SUMMER WHEAT
FF-2 SEALED CONCRETE	WB-1 HYBR-FLEX-AC WRAPPED UP FROM FLOOR TO ACT AS WALL BASE STYLE: SAME AS FF-1 COLOR: SAME AS FF-1 HEIGHT: 6" BASE	WT-2 NOT USED
PT-1 SHERWIN-WILLIAMS FINISH: EGGSHELL COLOR: SW7013 IVORY LACE DOOR FRAME COLOR: CARAIBE SW9090	WB-2 JOHNSONITE PROFILE: TRADITIONAL WALL BASE COLOR: 47 BROWN	WT-3 NOT USED
PT-2 SHERWIN-WILLIAMS FINISH: FLAT COLOR: SW7757 HIGH REFLECTIVE WHITE		WT-4 DAL-TILE PORCELAIN STYLE: FABRIC ART COLOR: MODERN TEXTILE BEIGE MT51 TILE SIZE: 12x24 GROUT COLOR: TEC 988 PEARL



NOTE:
1. ALL SIGNAGE COLORS TO BE SELECTED BY ARCHITECT.

2 ADA INTERIOR SIGNAGE
3" = 1'-0"

DRAWN BY: MAR/RLH

CHECKED BY: AKN

ISSUE DATE: 7/2/21

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#	DATE	DESCRIPTION
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WASHINGTON COUNTY

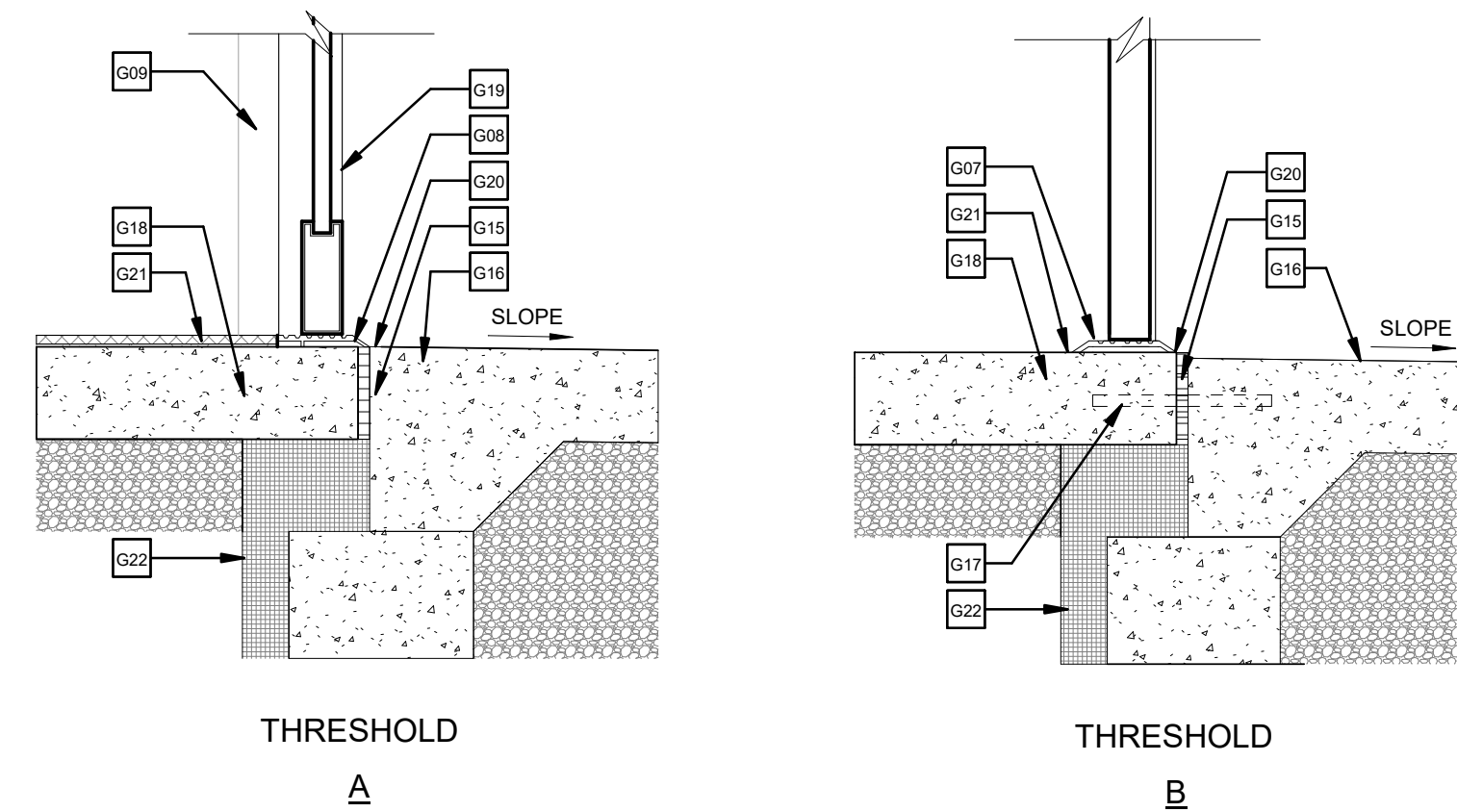
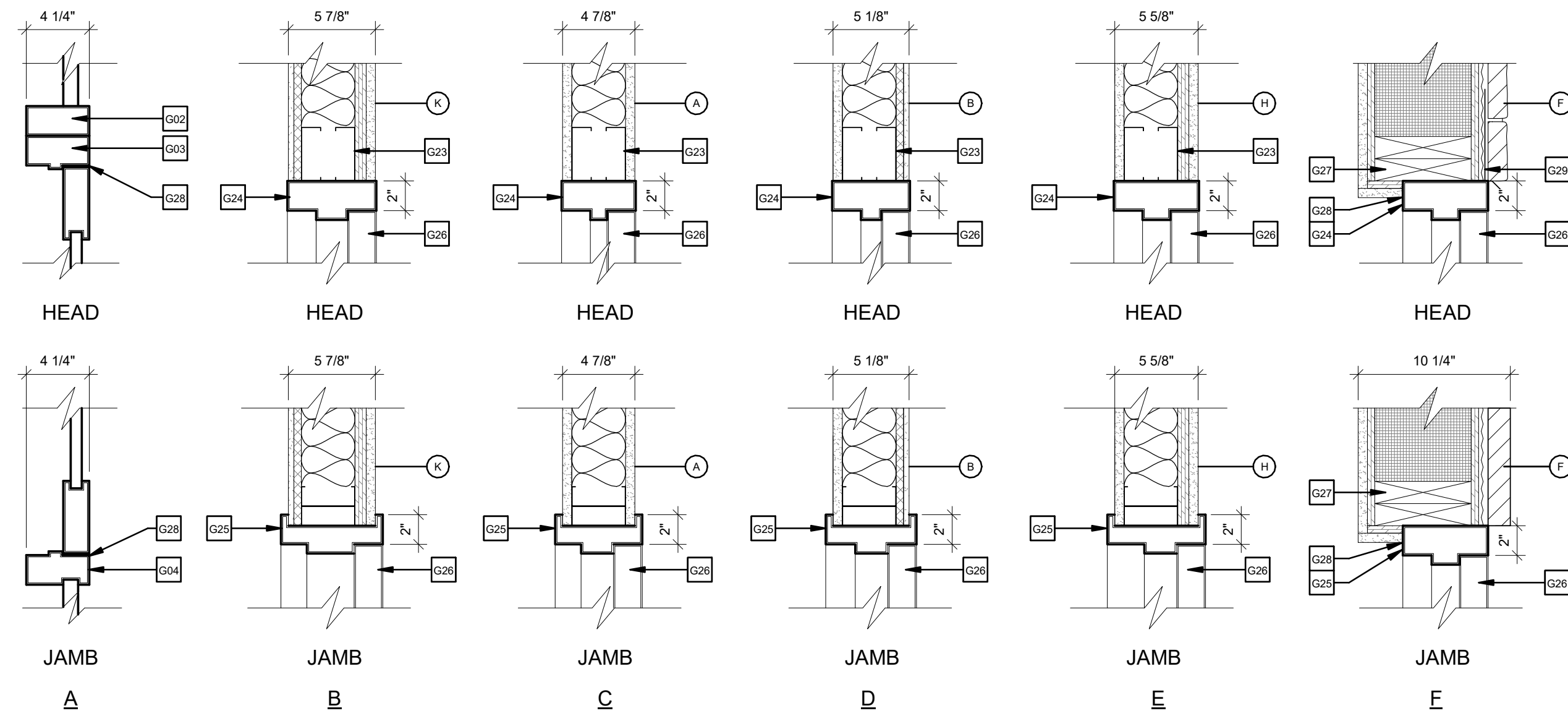
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PROJECT NO. 64-12A23-00

SHEET TITLE
FINISH PLAN AND SCHEDULE

SHEET **A601**

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2 HEAD, JAMB, AND SILL DETAILS
1/2" = 1'-0"

DOOR SCHEDULE

DOOR #	DOOR OPENING SIZE			DOOR THICKNESS	DOOR				FRAME			REMARKS	
	WIDTH	HEIGHT			TYPE	MATERIAL	FINISH	MATERIAL	FINISH	TYPE	HARDWARE SET		HEAD & JAMB
101A	3'-0"	7'-0"	1 3/4"	B	ALUM	ANODIZED	ALUM	ANODIZED	3	1.0	A	A	AUTOMATIC DOOR OPENER, REF. WINDOW TYPE W15
101B	3'-0"	7'-0"	1 3/4"	B	ALUM	ANODIZED	ALUM	ANODIZED	3	1.0	A	A	AUTOMATIC DOOR OPENER, REF. WINDOW TYPE W13
102A	3'-0"	7'-0"	1 3/4"	B	ALUM	ANODIZED	ALUM	ANODIZED	3	2.0	A	A	AUTOMATIC DOOR OPENER, REF. WINDOW TYPE W16
102B	3'-0"	7'-0"	1 3/4"	B	ALUM	ANODIZED	ALUM	ANODIZED	3	2.0	A	A	AUTOMATIC DOOR OPENER, REF. WINDOW TYPE W16
102C	3'-0"	7'-0"	1 3/4"	B	ALUM	ANODIZED	ALUM	ANODIZED	3	9.0	A	A	
104A	3'-0"	7'-0"	1 3/4"	A	HM	PAINT	HM	PAINT	1	5.0	C		
105A	3'-0"	7'-0"	1 3/4"	A	HM	PAINT	HM	PAINT	2	4.0	F	B	INSULATED
105B	3'-6"	7'-0"	1 3/4"	C	HM	PAINT	HM	PAINT	1	6.0	H		
105C	6'-0"	7'-0"	1 3/4"	D	HM	PAINT	HM	PAINT	1	10.0	C		DOUBLE DOOR WITH LOUVRES
107A	3'-0"	7'-0"	1 3/4"	A	HM	PAINT	HM	PAINT	1	8.0	B		
108A	3'-0"	7'-0"	1 3/4"	A	HM	PAINT	HM	PAINT	1	8.0	B		
111A	3'-0"	7'-0"	1 3/4"	A	HM	PAINT	HM	PAINT	2	3.0	F	B	INSULATED
114A	3'-0"	7'-0"	1 3/4"	A	HM	PAINT	HM	PAINT	2	3.0	F	B	INSULATED
117A	3'-6"	7'-0"	1 3/4"	A	HM	PAINT	HM	PAINT	1	7.0	C		
117B	3'-6"	7'-0"	1 3/4"	A	HM	PAINT	HM	PAINT	2	3.0	F	B	INSULATED

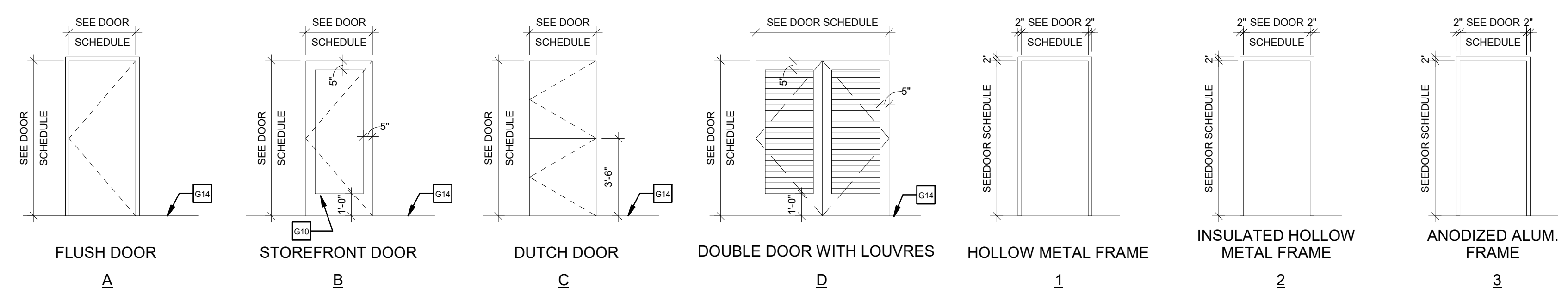
NOTES:
1. REFER TO SPECIFICATIONS FOR MORE INFORMATION ON HARDWARE SETS.

GENERAL NOTES

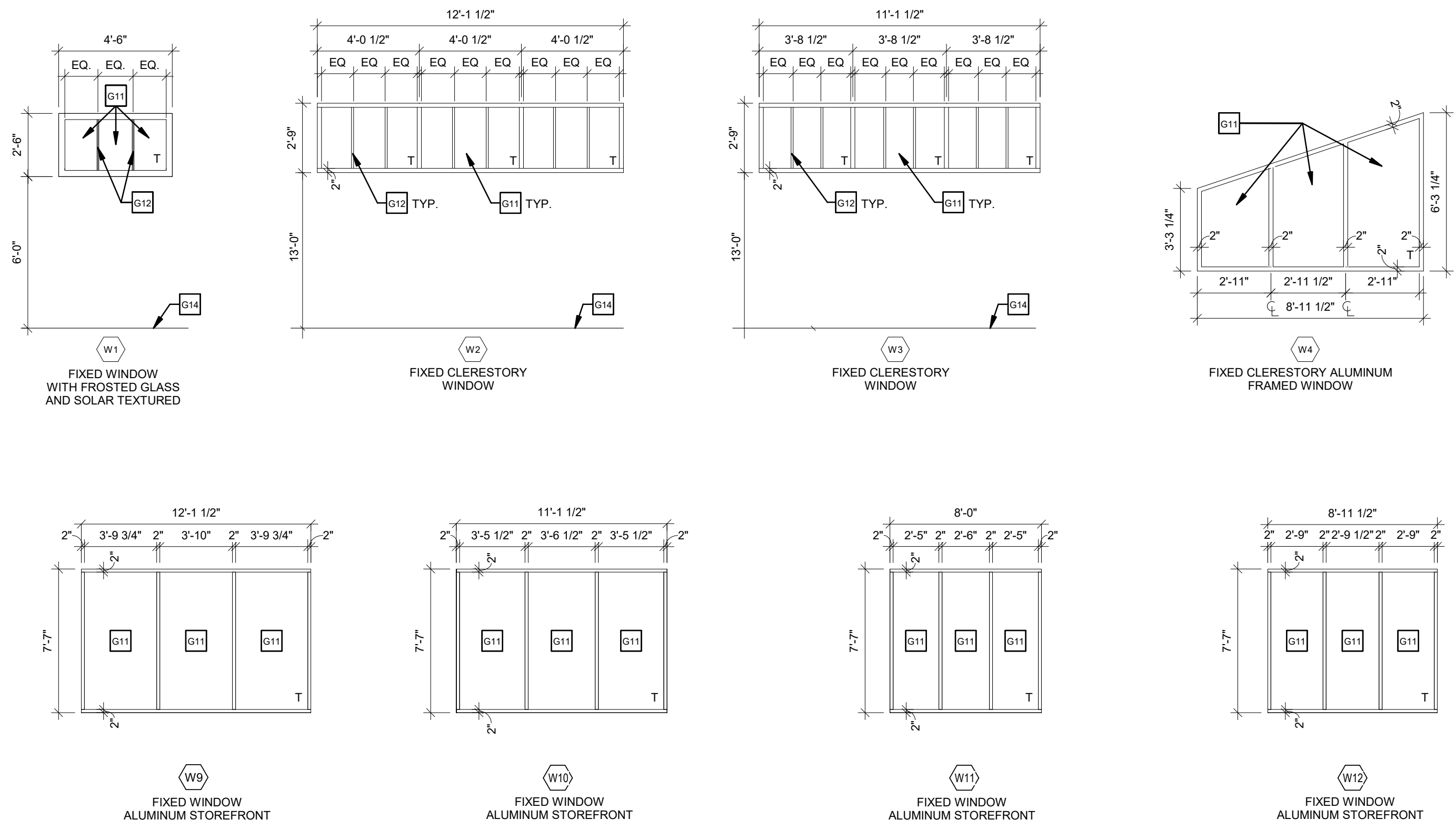
1. 'T' = TEMPERED GLAZING
2. ALL HARDWARE TO BE HANDICAP ACCESSIBLE LEVER TYPE, MOUNTED AT 40" A.F.F. U.N.O.
3. ALL STOREFRONT GLAZING TO BE 1" TEMPERED MIN., CLEAR, U.N.O.
4. CONTRACTOR TO PROVIDE SHOP SUBMITTALS FOR ALL DOORS; COMPLIANT ALTERNATE HARDWARE, DOORS AND FRAMES, PERMITTED UPON REVIEW AND ACCEPTANCE.
5. ALUMINUM AND HOLLOW METAL FRAME TO BE KNOCK-DOWN, TYP. OR EQUAL AT ALL DOOR LOCATIONS AS SCHEDULED

KEY NOTES

- G02 TWO MULLIONS TO SUPPORT DOOR OPENER
- G03 STOREFRONT DOOR HEAD
- G04 STOREFRONT DOOR JAMB AT SIDELIGHT
- G07 ADA THRESHOLD
- G08 ADA TRANSITION
- G09 FRAME BEYOND
- G10 SAFETY GLASS
- G11 1" CLEAR INSULATING GLASS, TEMPERED
- G12 MUTTONS WITH-IN INSULATING GLASS PANELS
- G14 FINISH FLOOR
- G15 1/2" EXPANSION JOINT
- G16 SLOPED CONCRETE SIDEWALK REF. STRUCT DWG'S.
- G17 SMOOTHED OR GREASED DOWEL
- G18 CONCRETE SLAB; REF. STRUCT. DWG'S.
- G19 ALUMINUM STOREFRONT SYSTEM
- G20 CONT. CAULKING AND SEALANT AT EXPANSION JOINT
- G21 REF. ROOM FINISH SCHEDULE FOR FLOOR FINISH
- G22 2" RIGID INSULATION
- G23 STUD BOX HEADER
- G24 HOLLOW METAL FRAME
- G25 JAMB STUDS
- G26 DOOR
- G27 2X WOOD BLOCKING
- G28 SEALANT AT PERIMETER
- G29 THRU WALL FLASHING



DOOR & FRAME TYPES
1/4" = 1'-0"



WINDOW TYPES
1/4" = 1'-0"

DRAWN BY: RLH

CHECKED BY: SA

ISSUE DATE: 7/2/21

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J.M. VEROSTKO, INC.
CONSULTING
2781 SALT SPRINGS ROAD
YOUNGSTOWN, OHIO 44509



PROJECT: REST AREA BUILDING REPLACEMENT
MARIETTA, OHIO 45750
WASHINGTON COUNTY

NOT FOR CONSTRUCTION

PROJECT NO.: 64-12A23-00

SHEET TITLE: DOOR SCHEDULE, WINDOW TYPES, & DETAILS

SHEET: A602

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6/30/2021 9:30:56 AM



EXTERIOR FINISH: STANDING SEAM ROOF
DIMENSIONAL METALS, INC. (DMI)
HEMLOCK GREEN



EXTERIOR FINISH: GLULAM BEAMS STAIN
MINWAX WOOD FINISH
SEMI-TRANSPARENT IPSWICH PINE
OIL-BASED WOOD STAIN



EXTERIOR FINISH: ALUMINUM STOREFRONT
EFCO CORPORATION
SERIES 406
DARK BRONZE ANODIZED



EXTERIOR FINISH: ADHERED MASONRY VENEER
DUTCH QUALITY STONE
STACK LEDGE (GROUTED)
SIENNA



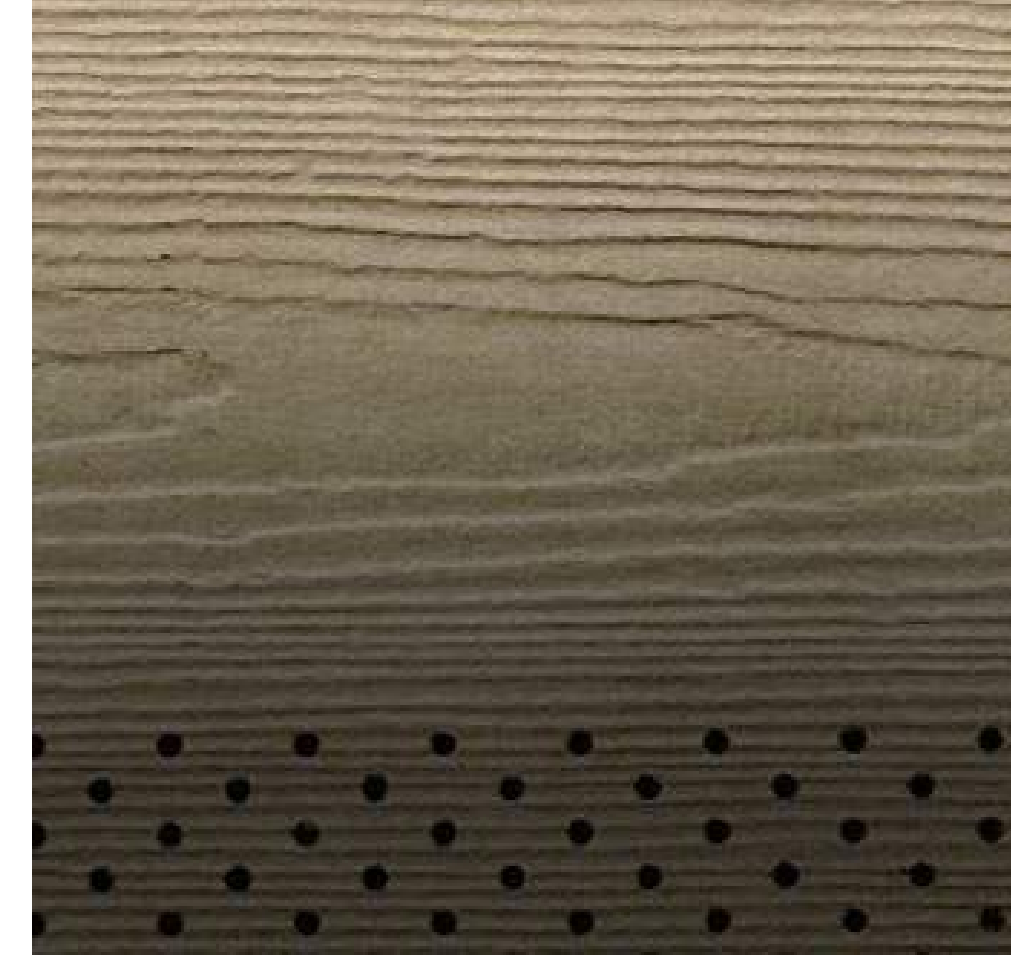
INTERIOR FINISH: FLOOR AND WALL BASE
DUR-A-FLEX
HYBRI-FLEX-AC
FIELDSTONE



EXTERIOR FINISH: CASINGS, MOLDINGS, TRIM
JAMES HARDIE
HARDIETRIM BOARDS ROUGHSAWN
TIMBER BARK



EXTERIOR FINISH: FASCIA
JAMES HARDIE
HARDIETRIM BOARDS SMOOTH
TIMBER BARK



EXTERIOR FINISH: PORCH SOFFIT
JAMES HARDIE
HARDIESOFFIT PANELS VENTED CEDARMILL
TIMBER BARK



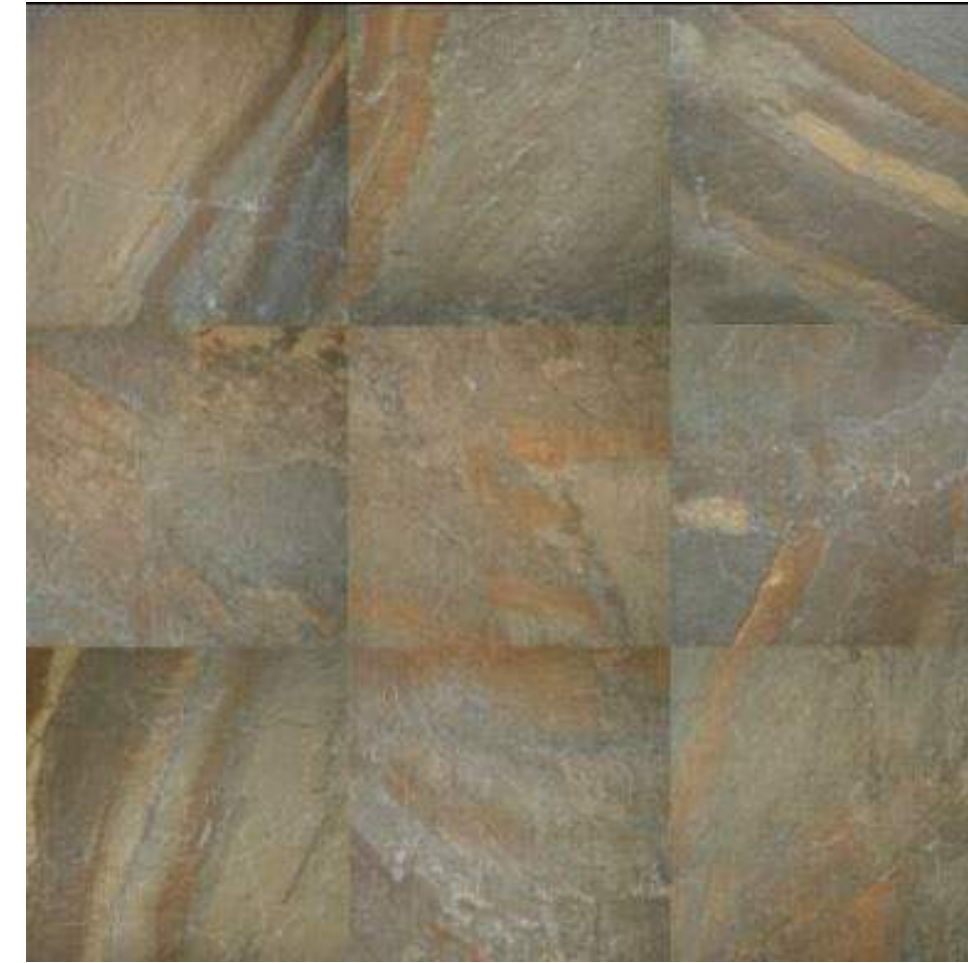
EXTERIOR FINISH: SHINGLE SIDING
JAMES HARDIE
HARDIEPLANK LAP SIDING CEDARMILL
AUTUMN TAN



INTERIOR FINISH: TOILET PARTITIONS
PSISC
NATURAL CANVAS



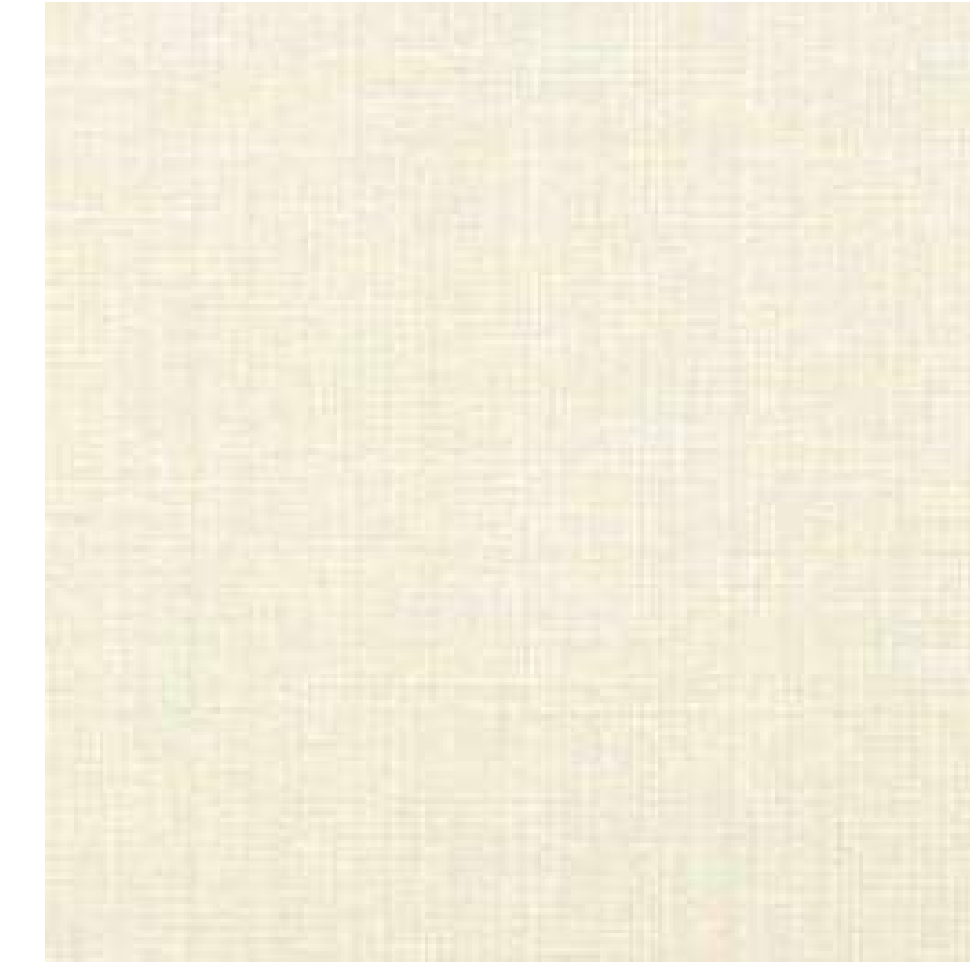
INTERIOR FINISH: GROUT FOR "AYERS ROCK" WALL TILE
TEC
982 SUMMER WHEAT



INTERIOR FINISH: WALL TILE
DAL TILE
AYERS ROCK
RUSTIC REMNANT, 13"x20"



INTERIOR FINISH: GROUT FOR "FABRIC ART" WALL TILE
TEC
988 PEARL



INTERIOR FINISH: WALL TILE
DAL TILE
FABRIC ART
MODERN TEXTILE BEIGE, 12"x24"



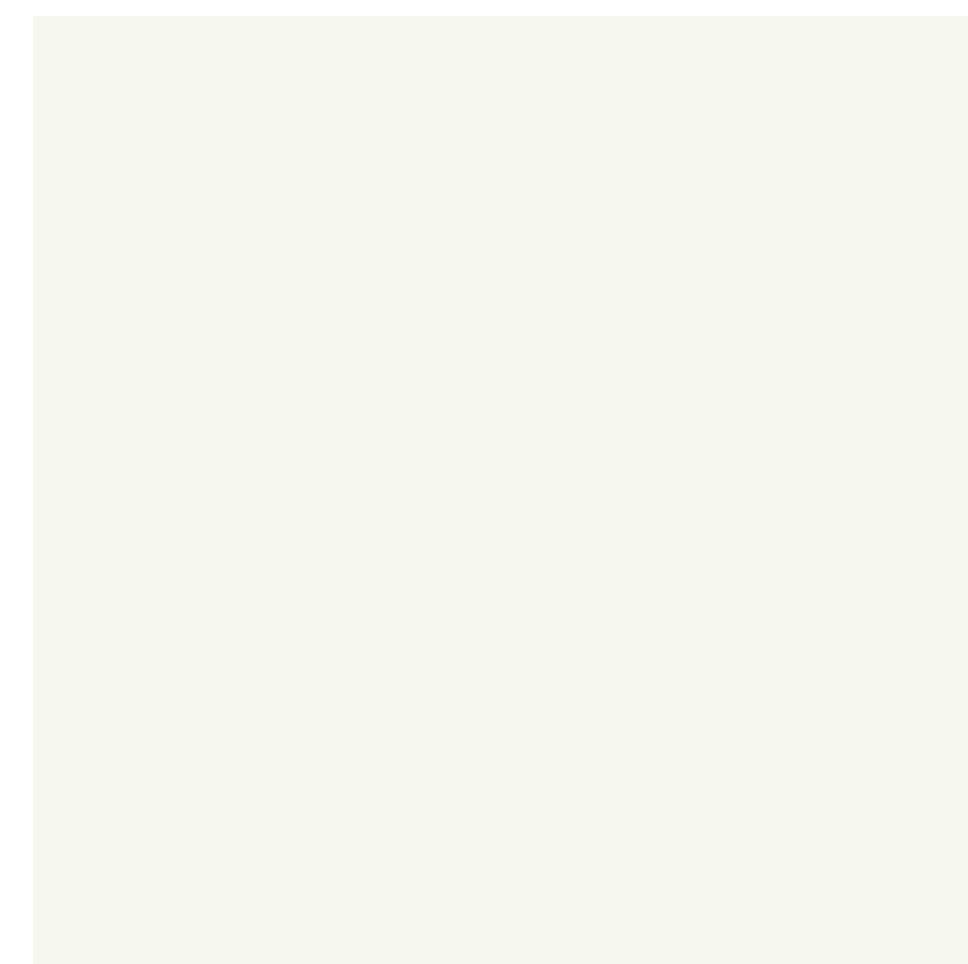
INTERIOR FINISH: SOLID SURFACE
HANWHA L&C SURFACES
AMBER HL-038



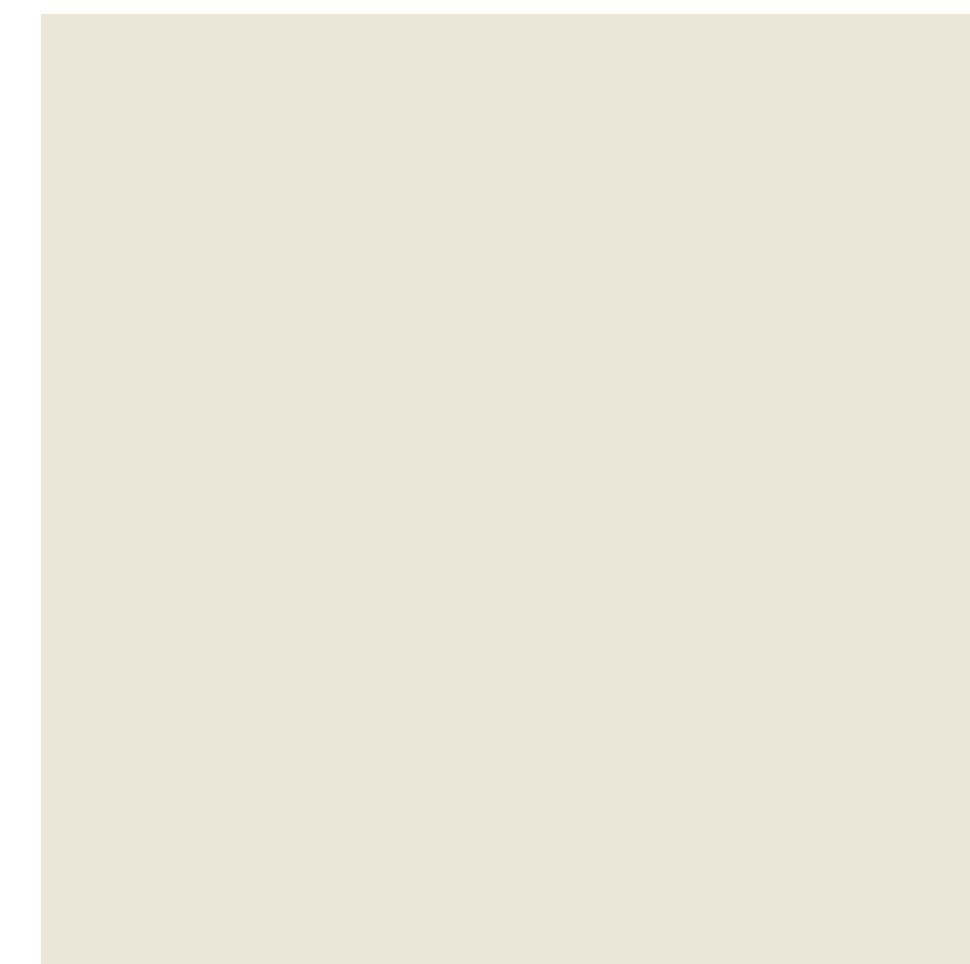
INTERIOR FINISH: STAINLESS STEEL
STAINLESS SUPPLY
D4 DIAMOND 4"
#4 BRUSHED FINISH



INTERIOR FINISH: WALL BASE
JOHNSONITE / TARKETT
TRADITIONAL VINYL 4"
47 BROWN



INTERIOR FINISH: CEILING PAINT
SHERWIN WILLIAMS
SW 7757 HIGH REFLECTIVE WHITE



INTERIOR FINISH: WALL PAINT
SHERWIN WILLIAMS
SW 7013 IVORY LACE

DRAWN BY RLH

CHECKED BY APPROVED BY SA

ISSUE DATE 7/2/21

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CLIENT



PROJECT
**REST AREA BUILDING
REPLACEMENT**

MARIETTA, OHIO 45750
WASHINGTON COUNTY

PROJECT

PROJECT NO. 64-12A23-00

SHEET TITLE FINISHES BOARD

SHEET

A603

**NOT FOR
CONSTRUCTION**

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PLUMBING PROJECT NOTES

- 1 ALL WORK MUST COMPLY WITH THE REQUIREMENTS OF LOCAL CODES AND ORDINANCES. WHERE INSPECTIONS ARE REQUIRED BY AUTHORITY HAVING JURISDICTION, WORK MUST NOT BE CONCEALED UNTIL INSPECTIONS AND TESTING ARE COMPLETED AND ACCEPTED.
- 2 PRIOR TO BID, CONTRACTOR MUST BECOME FAMILIAR WITH THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS, GENERAL NOTES AS WELL AS ALL OTHER NOTES SHOWN ON THE CONTRACT DOCUMENTS. VISIT THE SITE TO ESTABLISH THE EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO ANY PIPE OR EQUIPMENT FABRICATION. SYSTEMS MUST BE ERRECTED USING CONTRACTOR'S FIELD MEASUREMENTS FOR COORDINATION WITH EQUIPMENT, STRUCTURE, FIRE PROTECTION, COMMUNICATION, AND ELECTRICAL CONDITIONS IN THE SPACE.
- 3 ALL CONTRACT DOCUMENTS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT. DO NOT SCALE DRAWINGS.
- 4 INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS OR DETAILS, BUT NOT SHOWN ON THE PLANS, AND VICE VERSA, MUST BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
- 5 EXCEPT WHERE INDICATED OTHERWISE, THE NOTION OR DESCRIPTION OF ANY ITEM IN THE CONTRACT DOCUMENTS CARRIES WITH IT THE INSTRUCTIONS TO FURNISH AND INSTALL THE ITEM, WHETHER OR NOT THE INSTRUCTION IS EXPLICITLY STATED.
- 6 THE CONTRACT DOCUMENTS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS. THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES. SOME EQUIPMENT MAY BE REQUIRED AS SCHEDULED WITH NO SUBSTITUTIONS (REFER TO EQUIPMENT SCHEDULES). FOR OTHER EQUIPMENT, IF ALTERNATE MANUFACTURERS ARE SUBMITTED OR BID, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE ALL THE DIFFERENCE AND IMPACTS WITH ALL OTHER TRADES PRIOR TO BID, INCLUDING THE COSTS ASSOCIATED WITH REQUIRED CHANGES TO OTHER TRADES IF ALTERNATE EQUIPMENT IS BID OR INSTALLED.
- 7 COORDINATE PLACEMENT OF ALL PLUMBING RELATED EQUIPMENT AND DEVICES WITH OTHER TRADES. DO NOT POSITION OR INSTALL ANY PLUMBING EQUIPMENT OR DEVICES IN ANY SYSTEM IN SUCH A WAY THAT IT WILL BE INACCESSIBLE OR UN-MAINTAINABLE AFTER CONSTRUCTION IS COMPLETED.
- 8 NO OTHER TRADES ARE ALLOWED TO BE SUPPORTED FROM MATERIALS, EQUIPMENT OR DEVICES INSTALLED BY THE PLUMBING TRADES. LIKEWISE, ALL WORK INSTALLED BY THE PLUMBING TRADES MUST BE SUPPORTED FROM THE STRUCTURE ABOVE, FROM WALLS OR FROM THE FLOOR UNLESS OTHERWISE INDICATED.
- 9 REPLACE OR REPAIR ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK. REPAIR OR REPLACEMENT MUST, AS A MINIMUM, EQUAL ORIGINAL CONDITION. SPECIAL CARE MUST BE TAKEN ON THE ROOFS TO PREVENT DAMAGE. ANY DAMAGE MUST BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER BY AN OWNER APPROVED ROOFING CONTRACTOR.
- 10 ALL WIRING INSTALLED FOR CONTROLS, POWER, INTERLOCKS, ETC. MUST BE INSTALLED IN CONDUIT. MATERIALS AND INSTALLATION MUST COMPLY WITH NFPA AND NEC REQUIREMENTS, AND LOCAL CODES.
- 11 SEAL ALL ROOF AND WALL PENETRATIONS, FLASH AND COUNTER-FLASH ALL ROOF PENETRATIONS. MINIMUM ACCEPTABLE HEIGHT OF FLASHING IS TWELVE (12) INCHES ABOVE ROOF.
- 12 CONTRACTOR SHALL INSTALL STEEL PIPE SLEEVES THRU WALLS, FOOTERS, ETC. SLEEVES TO BE MINIMUM TWO (2) SIZES LARGER THAN THE SANITARY LINE, STORM LINE, AND WATER LINE.
- 13 COORDINATE LOCATION OF SANITARY, STORM AND WATER LINES WITH SITE UTILITIES CONTRACTOR.
- 14 ALL FLOOR DRAINS AND FLOOR SINKS TO BE PROVIDED WITH ASSE #1072 TRAP SEALS UNLESS OTHERWISE NOTED.
- 15 ALL SANITARY PIPING LOCATED IN THE RETURN AIR PLENUM SHALL BE CAST IRON. ALL AREAS ABOVE CEILING TO BE CONSIDERED A RETURN AIR PLENUM UNLESS NOTED OTHERWISE.
- 16 ALL FLOOR DRAINS TO BE LOCATED AT BOTTOM OF SLOPED FLOOR. BUCKET TEST WILL BE USED AND FLOOR DRAINS WILL BE REQUIRED TO BE RELOCATED IF WATER DOES NOT FLOW TO FLOOR DRAIN.
- 17 WALL CLEANOUTS TO BE LOCATED ABOVE FLOOD RIM OF FIXTURES.
- 18 VERIFY LOCATION OF EQUIPMENT CONCRETE PADS PRIOR TO INSTALLING FLOOR SINKS IN MECHANICAL ROOMS.
- 19 FIELD VERIFY INVERTS ON PLANS.
- 20 CONTRACTOR IS RESPONSIBLE TO INSTALL NEW PIPING PER CONSTRUCTION CONDITIONS

PLUMBING LEGEND

EXISTING PIPING		
EXISTING PIPING TO BE REMOVED		
SANITARY SEWER		SAN
STORM SEWER		ST
VENT PIPING		V
COLD WATER		CW
HOT WATER		HW
HOT WATER RETURN		HWR
GAS PIPING		G
FIRE LINE		F
SPRINKLER PIPING		SP
ROOF DRAIN LEADER		RDL
EMERGENCY ROOF DRAIN LEADER		ERDL
SHUT OFF VALVE		
CHECK VALVE		
BALANCING VALVE		
PRESSURE REDUCING VALVE		
REDUCED PRESS. BACKFLOW PREVENTOR		
DOUBLE CHECK VALVE ASSEMBLY		
TEMPERATURE GAUGE		T.G.
PRESSURE GAUGE		P.G.
DRAIN VALVE		D.V.
HOSE VALVE		H.V.
HOSE BIBB		H.B.
CATCH BASIN		C.B.
INLET BASIN		I.B.
CLEANOUT		C.O.
MANHOLE		M.H.
FLOOR DRAIN		F.D.
FLOOR SINK		F.S.
ROOF DRAIN		R.D.
DOWNSPOUT		D.S.
SAFEWASTE		S.W.
CAST IRON		C.I.
STAINLESS STEEL		S.S.
SQUARE FOOTAGE		S.F.
CONNECT TO EXISTING		C.T.X.

PLUMBING ABBREVIATIONS

SYMBOL	DESCRIPTION
BFF	BELOW FINISHED FLOOR
CO	CLEAN OUT
WH	WALL HYDRANT
CTE	CONNECT TO EXISTING
CW	COLD WATER
HWH	DOMESTIC WATER HEATER
EC	ELECTRICAL CONTRACTOR
EEW	EMERGENCY EYEWASH
ETR	EXISTING TO REMAIN
FD	FLOOR DRAIN
WH	FREEZE PROOF HOSE BIBB WALL HYDRANT
G	NATURAL GAS
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HW	HOT WATER
INV	INVERT
LAV	LAVATORY
LF	LINEAL FEET
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MH	MANHOLE
MIN	MINIMUM
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
HWR	RECIRCULATING HOT WATER
FS	FLOOR SINK
SAN	SANITARY SEWER
ST	STORM PIPING
TW	TEMPERED WATER
UR	URINAL
V	VENT PIPING
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
°F	DEGREES FAHRENHEIT
Ø	DIAMETER
G	NATURAL GAS

INDEX OF MECHANICAL DRAWINGS

Sheet Number	Sheet Name
P001	PLUMBING LEGENDS, SYMBOLS AND ABBREVIATIONS
P002	PLUMBING SCHEDULES
P100	LEVEL 1 - OVERALL UNDER FLOOR SANITARY
P101	LEVEL 1 - OVERALL PLUMBING PLAN
P401	PLUMBING DETAILS
P402	PLUMBING RISER DIAGRAMS
PLUMBING: 6	

NATURAL GAS LOAD

AHU #1	_____	100 CFH
AHU #2	_____	100 CFH
AHU #3	_____	100 CFH
HWH	_____	100 CFH
TOTAL		400 CFH

GAS LINE SIZING BASED ON 50 FEET OF LOW PRESSURE GAS.

FINAL CONNECTION TO EQUIPMENT WITH UNION, SHUT-OFF VALVE AND DIRT LEG.

SHOCK ABSORBER SIZING CHART

FIXTURE UNIT RANGES	MODEL NUMBER	INLET CONNECTION SIZE (INCHES)
1-11	100	3/4
12-32	200	3/4
33-60	300	1
61-113	400	1
114-154	500	1
155-330	600	1

BASED ON ZURN SHOKTROL # Z1700 WITH ASSE 1010 LISTING.

GENERAL NOTES :

1. SEE PLUMBING SPECIFICATIONS FOR EQUAL LISTED MANUFACTURERS FOR ALL SCHEDULED EQUIPMENT

HOT AND COLD WATER BRANCH RUN-OUT SCHEDULE

SMALL FIXTURES		FLUSH-VALVE FIXTURES	
NO. FIXTURES	LINE SIZE	NO. FIXTURES	LINE SIZE
1	1/2"	1	1"
2	3/4"	2	1-1/2"
3-5	1"	3-7	2"
6-9	1-1/4"	8-14	2-1/2"
10-16	1-1/2"	15-34	3"
17-50	2"	-	-
51-107	2"	-	-
108-173	2-1/2"	-	-

NOTES:

1. SIZING ON DRAWING SUPERSEDES THE ABOVE SCHEDULE
2. NOTE: FOR BRANCHES WHERE URINALS ARE THE ONLY FIXTURES BEING SERVED, ADJUST LINE SIZING BY 0.75

PIPING SYMBOLS

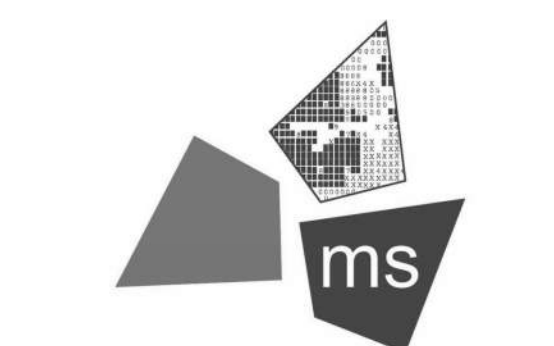
	NEW PIPING
	EXISTING PIPING (TO REMAIN)
	EXISTING PIPING TO BE REMOVED
	LIMIT OF DEMOLITION
	DIRECTION OF FLOW
	REDUCER OR INCREASER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	RISER DOWN (ELBOW)
	RISER UP (ELBOW)
	RISER DOWN (IN PIPE)
	RISER UP (IN PIPE)
	RISE OR DROP IN PIPE
	ELBOW
	PIPE BREAK
	CAP ON END OF PIPE
	UNION
	BALL VALVE OR GENERIC VALVE
	GAS COCK
	BALANCE VALVE
	AUTOFLOW SELF BALANCING VALVE
	PRESSURE REDUCING VALVE
	PRESSURE REGULATING VALVE
	GAS PRESSURE REGULATOR
	STRAINER
	THERMOMETER

DRAWN BY ADO

CHECKED BY APPROVED BY CWH

ISSUE DATE 07/02/21

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PROJECT
REST AREA BUILDING REPLACEMENT

NOT FOR CONSTRUCTION

PROJECT NO. 64-12A23-00

SHEET TITLE
PLUMBING LEGENDS, SYMBOLS AND ABBREVIATIONS

SHEET **P001**

MARIETTA, OHIO 45750
WASHINGTON COUNTY

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ISSUE DATE 07/02/21

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4/21/21	DD	SUBMISSION
6/18/21	CD	PROGRESS
7/2/21	CD	SUBMISSION

1.1 PIPE ACCESSORY SCHEDULE

SYMBOL	Manufacturer	MODEL	MATERIAL	SIZE	CONNECTION SIZE	FIXTURE CAPACITY	DESCRIPTION
SA-A	ZURN	Z1700	STAINLESS STEEL	100	3/4"	1-11 WSFU	SHOCKTROL WATER HAMMER ARRESTER
SA-B	ZURN	Z1700	STAINLESS STEEL	200	3/4"	12-32 WSFU	SHOCKTROL WATER HAMMER ARRESTER
SA-C	ZURN	Z1700	STAINLESS STEEL	300	1"	33-60 WSFU	SHOCKTROL WATER HAMMER ARRESTER
SA-D	ZURN	Z1700	STAINLESS STEEL	400	1"	61-113 WSFU	SHOCKTROL WATER HAMMER ARRESTER

1.2 - WATER SOFTENER SCHEDULE

UNIT NO.	MANUFACTURE	MODEL NO.	MAX CAPACITY KGR @ SALT DOSAGE	PEAK FLOW	RESIN TANKS	DIAMETER	HEIGHT	UNIT WEIGHT	VOLTAGE	PHASE	REMARKS
WS-1	AQUA SYSTEMS	WS2AQDXSF500CI	150 GRAIN CAPACITY PER TANK	53 GPM CONTINUOUS / 69 GPM PEAK	2	18"	65"		120V	1	

1.3 - WATER HEATER SCHEDULE

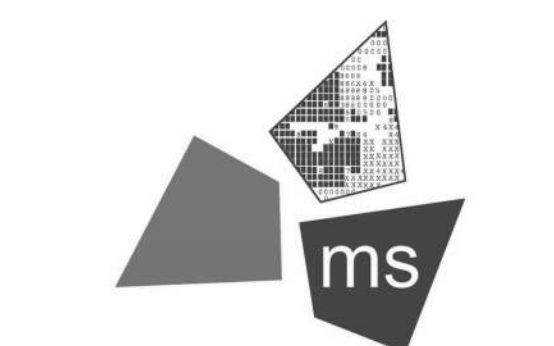
UNIT NO.	MANUFACTURER	MODEL NO.	Type	GAS FIRED HEAT EXCHANGER							ELECTRICAL			REMARKS	
				GAS BURNER			WATERSIDE				THERMAL EFFICIENCY	UNIT WEIGHT	VOLTAGE		PHASE
				INPUT	OUTPUT	STAGES	FUEL TYPE	RECOVERY	MAX. TEMP. RISE	WATER VOLUME					
HWH-1	AO SMITH	BTX-100	50 Gallon	100,000 BTU/H	96,000 BTU/H	1	NATURAL GAS	115 gal/hr	100 DEGREES	50 GAL	96.0 %	255 LBS	120V	1	PROVIDE WITH OPOTIONAL CONCENTRIC WALL LOW PROFILE VENT KIT AND CONDENSATE NEUTRALIZER KIT.

1.4 -FLOOR DRAIN SCHEDULE

FIXTURE SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER	MODEL #	MATERIAL DESCRIPTION		PIPE CONNECTIONS		SPECIFICATIONS		REMARKS
				DRAIN BODY	GRATE / STRAINER	SANITARY ROUGH-IN PIPE DIAMETER	VENT PIPE DIAMETER	COMMENTS		
FD-1	FLOOR DRAIN - ROUND	ZURN	Z415-6B-VP			4"	2"	FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES AND ADJUSTABLE HEAVY DUTY ROUND HEEL PROOF STRAINER.	FURNISH WITH BARRIER TRAP SEAL DEVICE, ZURN #Z1072	
FD-2	FLOOR DRAIN - SQUARE	ZURN	Z611-4VP			4"	2"	FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES AND MEDIUM DUTY SQUARE SLOTTED GRATE WITH SUSPENDED SEDIMENT BUCKET.	FURNISH WITH BARRIER TRAP SEAL DEVICE, ZURN #Z1072	

1.5 - PLUMBING FIXTURE SCHEDULE

FIXTURE SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER	MODEL #	MATERIAL DESCRIPTION	TRIM				FLOW FIXTURE		FLUSH FIXTURE		PIPE CONNECTIONS				SPECIFICATIONS	REMARKS	
					MANUFACTURER	MODEL NO.	FINISH	TYPE	MOTION SENSOR CONTROL	FLOW	TIMER DURATION (SEC)	VOLUME PER FLUSH	MIN. VOLUME PER FLUSH	SANITARY ROUGH-IN PIPE DIAMETER	VENT PIPE DIAMETER	COLD WATER ROUGH-IN PIPE DIAMETER			HOT WATER ROUGH-IN PIPE DIAMETER
EWC-1	ELECTRIC WATER COOLER - DUAL HEIGHT	OASIS	PG8EBFSL	GALVANIZED STEEL	---	---	STAINLESS STEEL CABINET	MANUAL	NO	0.1 GPM	---	---	---	1 1/2"	1 1/2"	1/2"	---	TWO LEVEL WALL HUNG WATER COOLER WITH BOTTLE FILLING STATION. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, FLEXIGUARD SAFTEY BUBBLER, REFRIGERATING SYSTEM, AIR COOLED, 120 VOLT, 60 CYCLE, SINGLE PHASE POWER CONNECTION, FULLYAUTOMATIC, COMPLETE AND READY TO OPERATE.	
FD-1	FLOOR DRAIN - ROUND	ZURN	Z415-6B-VP															FURNISH WITH BARRIER TRAP SEAL DEVICE, ZURN #Z1072	FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES AND ADJUSTABLE HEAVY DUTY ROUND HEEL PROOF STRAINER.
FD-2	FLOOR DRAIN - SQUARE	ZURN	Z611-4VP															FURNISH WITH BARRIER TRAP SEAL DEVICE, ZURN #Z1072	FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES AND MEDIUM DUTY SQUARE SLOTTED GRATE WITH SUSPENDED SEDIMENT BUCKET.
HB	HOSE BIBB	CHICAGO FAUCET	952	POLISHED CHROME														HOSE BIBB WITH SINGLE WATER FITTING AND VACUUM BREAKER, SPOUT 3/4" INTERGRATED HOSE THREADED OUTLET, LOOSE KEY CAP WITH 293-6 REMOVABLE TEE HANDLE, CHROME PLATED FINISH.	CHICAGO FAUCET NO. 952, CHROME FINISH WITH VACUUM BREAKER.
HYD-2	EXTERIOR WALL HYDRANT	J.R. SMITH	5509QT	STAINLESS STEEL	---	---	CHROME	---	---	2.5 GPM	---	---	---	---	3/4"	---		WALL HYDRANT WITH DOUBLE CHECK BACKFLOW PREVENTER VALVE ON THE INSIDE OF THE WALL, SPOUT WITH BACKFLOW PREVENTER AND LOOSE KEY SOCKET WITH HINGED COVER ON THE OUTSIDE OF THE WALL. COORDINATE OVERALL HYDRANT LENGTH TO ENSURE VALVE IS ON INSIDE OF WALL. PROVIDE SHUTOFF VALVE IN ACCESSIBLE LOCATION.	VANDAL RESISTANT WALL HYDRANT WITH INTEGRAL VACUUM BREAKER.
JS-1	JANITOR SINK	FIAT	MSB-2424	MOLDED STONE	CHICAGO FAUCET	897-CP	CHROME	MANUAL	NO	2.5 GPM	---	---	---	3"	1 1/2"	3/4"	3/4"	SERVICE BASIN WITH STAINLESS STEEL COMBINATION DOME STRAINER AND LIND BASKET. FAUCET SHALL INCLUDE VACUUM BREAKER SPOUT WITH PAIL HOOK AND WALL BRACE.	PROVIDE WITH FIAT MODEL 832-AA HOSE BRACKET, MODEL 889-CC MOP HANGER, MODEL MSG 2424 WALL GUARDS ON ABUTTING WALLS AND VINYL BUMPER GUARDS ON ALL EXPOSED SIDES.
LAV-1	LAVATORY - WALL HUNG	AMERICAN STANDARD	DECORUM 9024.001EC	WHITE VITREOUS CHINA	SLOAN	ETF-610-B-BD TCP	CHROME	ELECTRONIC	YES	0.5 GPM	12	---	---	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG LAVATORY, SINGLE FAUCET HOLE, DECK MOUNTED FAUCET WITH SENSOR, AC POWER WITH VANDAL RESISTANT AERATOR.	PROVIDE WITH ASSE 1070 THERMOSTATIC MIXING VALVE, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH INSULATION KIT.
LAV-2	LAVATORY - WALL HUNG ADA	AMERICAN STANDARD	DECORUM 9024.001EC	WHITE VITREOUS CHINA	SLOAN	ETF-610-B-BD TCP	CHROME	ELECTRONIC	YES	0.5 GPM	12	---	---	1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG LAVATORY, SINGLE FAUCET HOLE, DECK MOUNTED FAUCET WITH SENSOR, AC POWER WITH VANDAL RESISTANT AERATOR. MOUNT AT ADA HEIGHT.	PROVIDE WITH ASSE 1070 THERMOSTATIC MIXING VALVE, OFFSET WHEELCHAIR GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH INSULATION KIT.
UR-1	URINAL	AMERICAN STANDARD	WASHBROOK 6590.001EC	WHITE VITREOUS CHINA	SLOAN	ROYAL 186-ESS-0.125 TMO	CHROME	ELECTRONIC	YES	---	---	.13 GAL.	.13 GAL	2"	1 1/2"	3/4"	---	WALL HUNG URINAL WITH WASHOUT ACTION, TOP SPUD WITH AC POWERED SENSOR ACTIVATED FLUSHOMETER WITH TRUE MENCHANICAL OVERRIDE.	PROVIDE WITH HEAVY-DUTY CARRIER.
UR-2	URINAL - ADA	AMERICAN STANDARD	WASHBROOK 6590.001EC	WHITE VITREOUS CHINA	SLOAN	ROYAL 186-ESS-0.125 TMO	CHROME	ELECTRONIC	YES	---	---	.13 GAL.	.13 GAL	2"	1 1/2"	3/4"	---	WALL HUNG URINAL WITH WASHOUT ACTION, TOP SPUD WITH AC POWERED SENSOR ACTIVATED FLUSHOMETER WITH TRUE MENCHANICAL OVERRIDE. MOUNT AT ADA HEIGHT.	PROVIDE WITH HEAVY-DUTY CARRIER. MOUNT AT ADA COMPLIANT HEIGHT.
WC-1	WATER CLOSET - FLOOR MOUNT - REAR OUTLET - FLUSH VALVE	AMERICAN STANDARD	PRIOLO 3690.001	WHITE VITREOUS CHINA	SLOAN	ROYAL 111-ESS-1.28 TMO	CHROME	ELECTRONIC	YES	---	---	1.28 GAL	1.28 GAL	4"	2"	1"	---	ELONGATED FLOOR MOUNTED WATER CLOSET WITH REAR OUTLET, 1 1/2" TOP SPUD WITH AC POWERED SENSOR ACTIVATED FLUSHOMETER WITH TRUE MECHANICAL OVERRIDE.	PROVIDE WITH AMERICAN STANDARD #5905.110 ELONGATED OPEN FRONT SEAT.
WC-2	WATER CLOSET - ADA - FLOOR MOUNT - REAR OUTLET - FLUSH VALVE	AMERICAN STANDARD	PRIOLO 3695.001	WHITE VITREOUS CHINA	SLOAN	ROYAL 111-ESS-1.28 TMO	CHROME	ELECTRONIC	YES	---	---	1.28 GAL	1.28 GAL	4"	2"	1"	---	ELONGATED FLOOR MOUNTED WATER CLOSET WITH REAR OUTLET, 1 1/2" TOP SPUD WITH AC POWERED SENSOR ACTIVATED FLUSHOMETER WITH TRUE MECHANICAL OVERRIDE.	PROVIDE WITH AMERICAN STANDARD #5905.110 ELONGATED OPEN FRONT SEAT.
WC-3	WATER CLOSET - ADA - FLOOR MOUNT - BOTTOM OUTLET - FLUSH VALVE	AMERICAN STANDARD	MADERA 3461.001	WHITE VITREOUS CHINA	SLOAN	ROYAL 111-ESS-1.28 TMO	CHROME	ELECTRONIC	YES	---	---	1.28 GAL	1.28 GAL	4"	2"	1"	---	ELONGATED FLOOR MOUNTED WATER CLOSET, 1 1/2" TOP SPUD WITH AC POWERED SENSOR ACTIVATED FLUSHOMETER WITH TRUE MENCHANICAL OVERRIDE.	PROVIDE WITH AMERICAN STANDARD #5905.110 ELONGATED OPEN FRONT SEAT.



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PROJECT REST AREA BUILDING REPLACEMENT

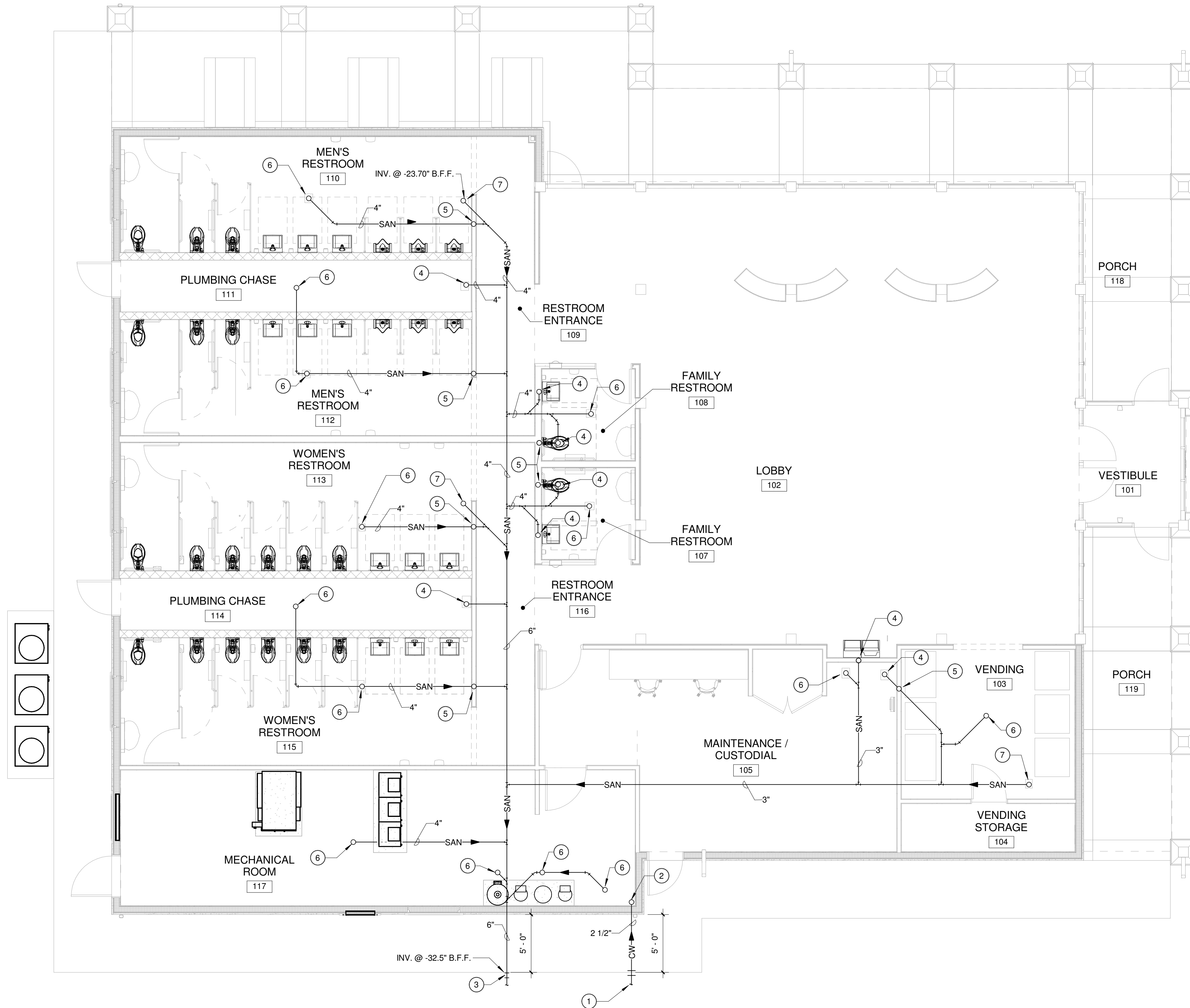
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PROFESSIONAL OF RECORD:
PROJECT NO. 64-12A23-00
SHEET TITLE PLUMBING SCHEDULES
SHEET P002

MARIETTA, OHIO 45750 WASHINGTON COUNTY

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6/28/2021 10:49:33 AM



LEVEL 1 OVERALL UNDER FLOOR SANITARY
SCALE: 3/16" = 1'-0"

CODED NOTES:

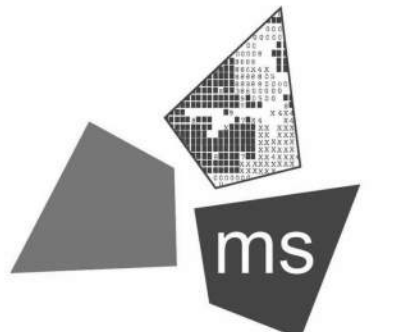
- 1 2 1/2" DOMESTIC WATER SERVICE.
- 2 DOMESTIC WATER SERVICE LINE UP THROUGH SLAB. SEE P101 FOR CONTINUATION.
- 3 SANITARY SEWER INVERT AT THIS LOCATION.
- 4 SANITARY SEWER LINE UP THROUGH SLAB AT THIS LOCATION. SEE P101 FOR CONTINUATION.
- 5 SANITARY VENT UP THROUGH SLAB AT THIS LOCATION. SEE P101 FOR CONTINUATION.
- 6 SANITARY SEWER LINE UP TO FLOOR DRAIN. SEE P101 FOR CONTINUATION.
- 7 SANITARY SEWER LINE UP TO FLOOR CLEAN OUT. SEE P101 FOR CONTINUATION.

DRAWN BY ADO

CHECKED BY APPROVED BY CWH

ISSUE DATE 07/02/21

REVISION		
#	DATE	DESCRIPTION
2/8/21	SD	SUBMISSION
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PROJECT
REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45759
WASHINGTON COUNTY

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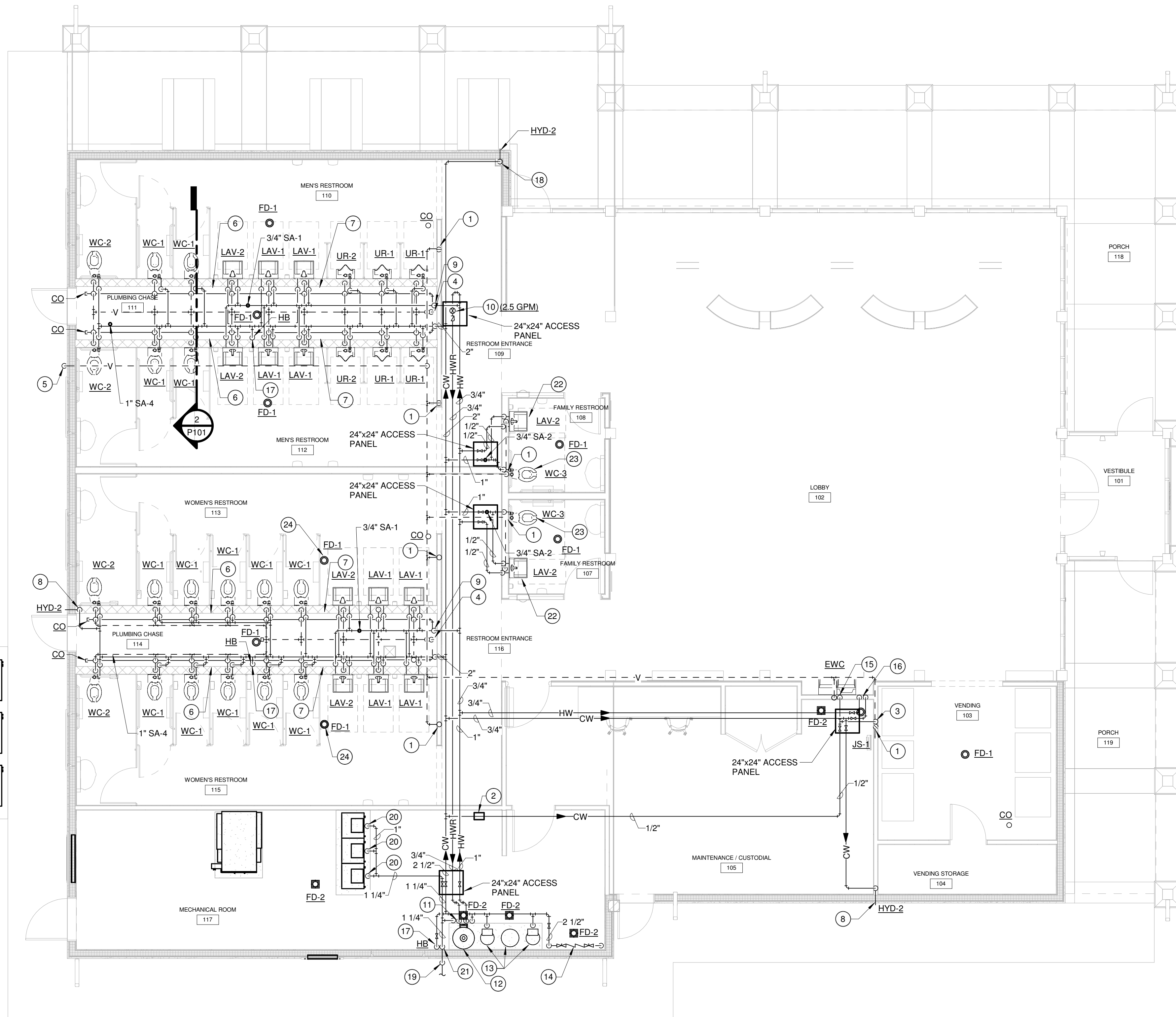
PROJECT NO. 64-12A23-00

SHEET TITLE
LEVEL 1 - OVERALL UNDER FLOOR SANITARY

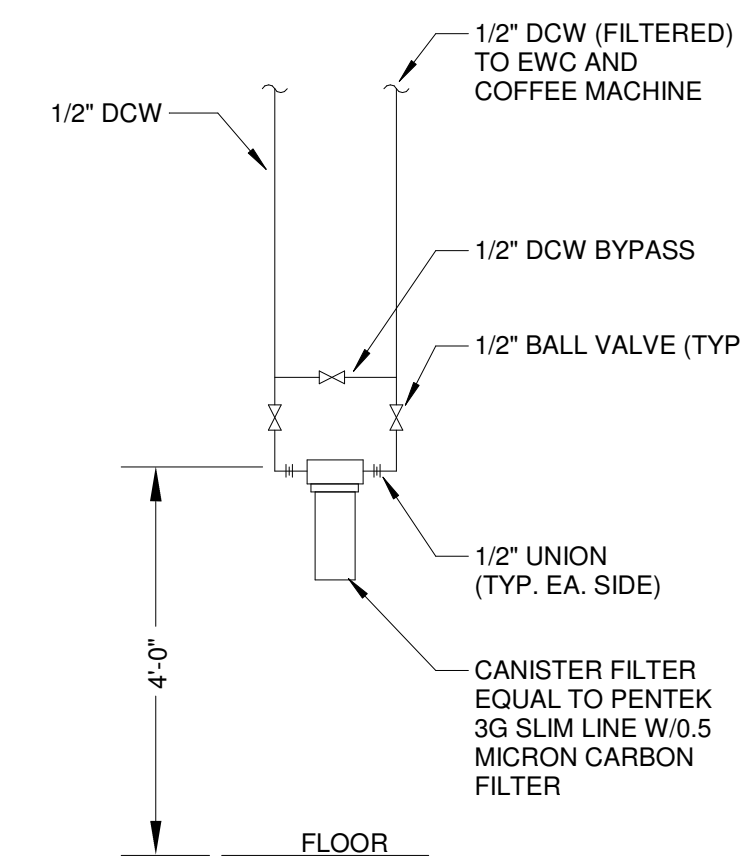
SHEET **P100**

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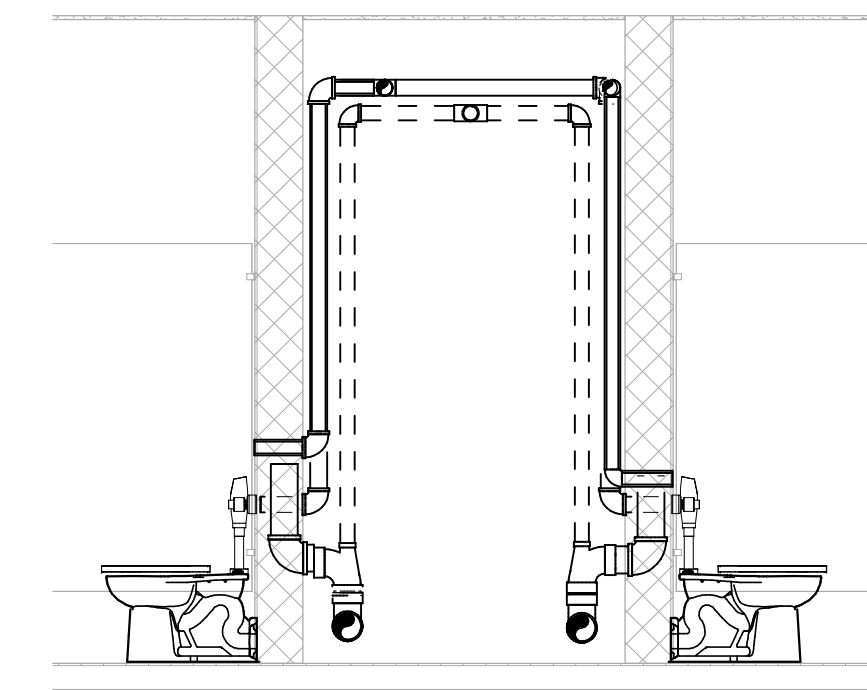
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LEVEL 1 OVERALL PLUMBING PLAN
SCALE: 3/16" = 1'-0"



SECTION AT FILTER
NOT TO SCALE



SECTION AT PLUMB. CHASE
SCALE: 3/8" = 1'-0"

CODED NOTES:

- 1 2" VENT DOWN IN WALL.
- 2 1/2" DCW WATER FILTER MOUNTED TO WALL. SEE DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION.
- 3 1/2" FILTERED DCW IN WALL TO COFFEE VENDING MACHINE. PROVIDE GUY GREY 1/2" DCW WATER VALVE BOX MODEL M181AB AND PROVIDE BFP-2 WATT'S SERIES 9D INLINE DUAL CHECK TO VENDING MACHINE.
- 4 4" SANITARY DOWN THROUGH FLOOR. SEE SHEET P100 FOR CONTINUATION.
- 5 3" VENT THROUGH WALL. TURN ELBOW DOWN AND TERMINATE WITH INSECT SCREEN AT A MIN. 10 FEET ABOVE FINISHED GRADE. PAINT TO MATCH EXTERIOR STONE VENEER.
- 6 PROVIDE ONE 120 VAC TO 24 VAC TRANSFORMER TO SERVE SIX FLUSH VALVES IN THIS AREA. COORDINATE ELECTRICAL REQUIREMENTS WITH E.C. P.C. TO PROVIDE TRANSFORMER AND ALL LOW-VOLTAGE WIRING. LOCATE TRANSFORMER IN PLUMBING CHASE.
- 7 PROVIDE ONE 120 VAC TO 6 VDC TRANSFORMER TO SERVE THREE FAUCETS IN THIS AREA. COORDINATE ELECTRICAL REQUIREMENTS WITH E.C. P.C. TO PROVIDE TRANSFORMER AND ALL LOW-VOLTAGE WIRING. LOCATE TRANSFORMER IN PLUMBING CHASE.
- 8 3/4" DCW WATER RUN DOWN EXPOSED ON INSIDE FACE OF WALL PANEL. TURN PIPING, PENETRATE EXTERIOR WALL PANEL AND CONNECT TO EXTERIOR HOSE BIBB.
- 9 PROVIDE DCW AND DHW ISOLATION VALVES ACCESSIBLE FROM WITHIN PLUMBING CHASE.
- 10 BALANCE VALVE AND CHECK VALVE. SET BALANCE VALVE TO FLOW INDICATED ON DRAWING.
- 11 1" CW, HW AND 3/4" HWR AND GAS DOWN TO HWH.
- 12 HOT WATER HEATER. SEE DETAIL ON P401.
- 13 WATER SOFTENER SYSTEM. SEE DETAIL ON P401.
- 14 INCOMING WATER SERVICE. SEE DETAIL ON P401.
- 15 1/2" FILTERED DCW LINE DOWN TO FIXTURE.
- 16 1/2" CW AND HW LINE DOWN TO FIXTURE.
- 17 3/4" CW LINE DOWN FOR CONNECTION TO HOSE BIBB @ 20' A.F.F.
- 18 3/4" CW LINE DOWN FOR CONNECTION TO WALL HYDRANT @ 20' A.F.F.
- 19 1 1/4" 2 PSI GAS LINE UP WITH ANODELESS RISER TO REGULATOR. 1 1/4" LOW PRESSURE GAS LINE ROUTED INTO BUILDING. (SEE SITE PLAN FOR UNDERGROUND ROUTING AND SEE SPEC SECTION 226213 FOR UNDERGROUND GAS PIPING)
- 20 3/4" GAS LINE DOWN FOR CONNECTION TO EQUIPMENT.
- 21 1 1/4" GAS LINE ROUTED UP INTO CEILING SPACE.
- 22 PROVIDE ONE 120 VAC TO 6 VDC TRANSFORMER TO SERVE FAUCET IN THIS AREA. COORDINATE ELECTRICAL REQUIREMENTS WITH E.C. P.C. TO PROVIDE TRANSFORMER AND ALL LOW-VOLTAGE WIRING. LOCATE TRANSFORMER ABOVE CEILING IN 24"x24" ACCESS PANEL.
- 23 PROVIDE ONE 120 VAC TO 24 VAC TRANSFORMER TO SERVE FLUSH VALVE IN THIS AREA. COORDINATE ELECTRICAL REQUIREMENTS WITH E.C. P.C. TO PROVIDE TRANSFORMER AND ALL LOW-VOLTAGE WIRING. LOCATE TRANSFORMER ABOVE CEILING IN 24"x24" ACCESS PANEL.
- 24 WOMEN'S FLOOR DRAIN SHALL BE LOCATED ADJACENT TO FIRST TOILET PARTITION.

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SHEET TITLE
LEVEL 1 - OVERALL PLUMBING PLAN

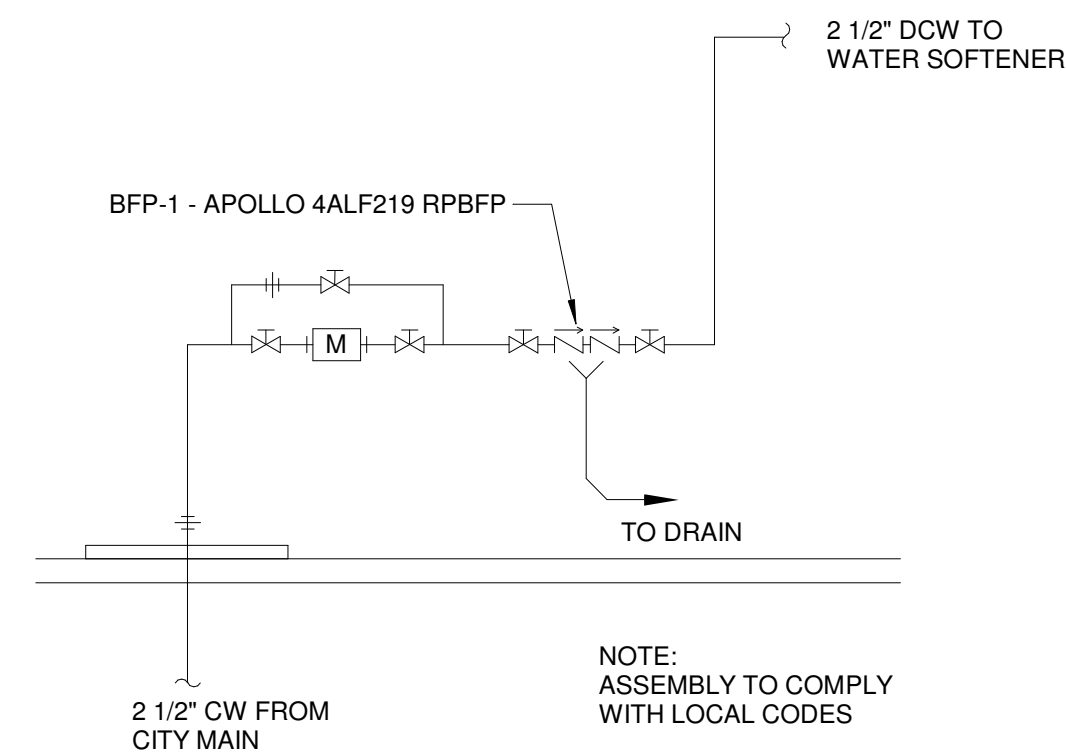
SHEET

P101

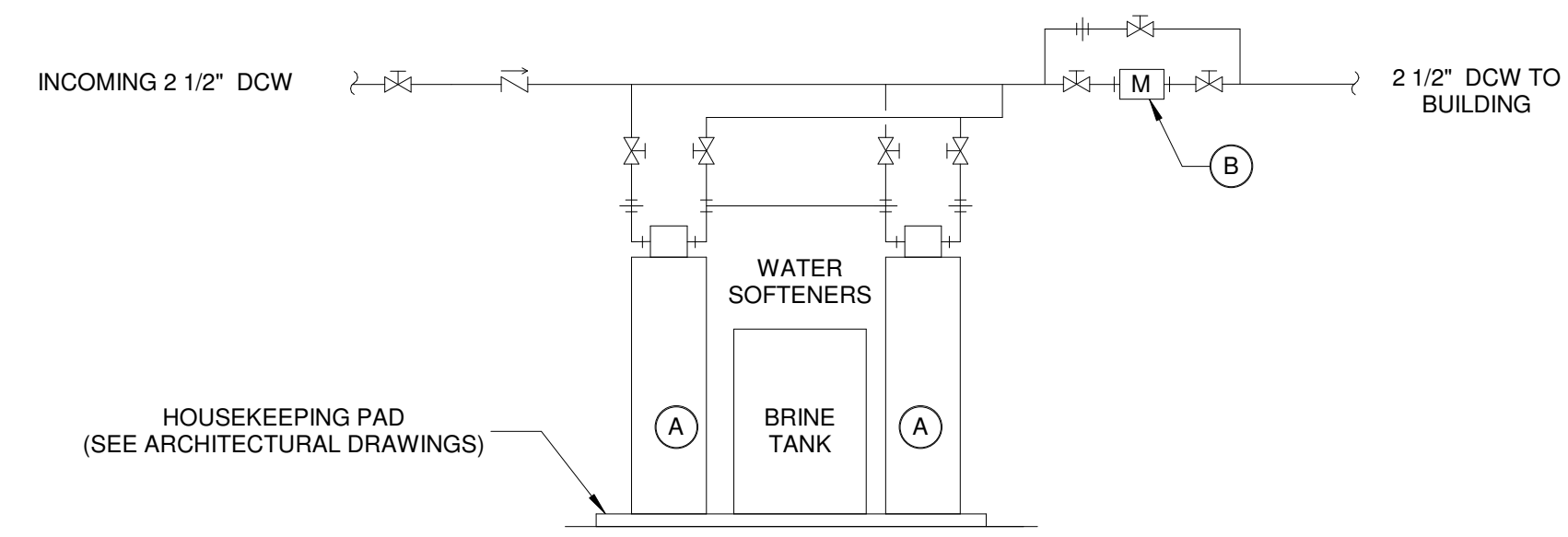
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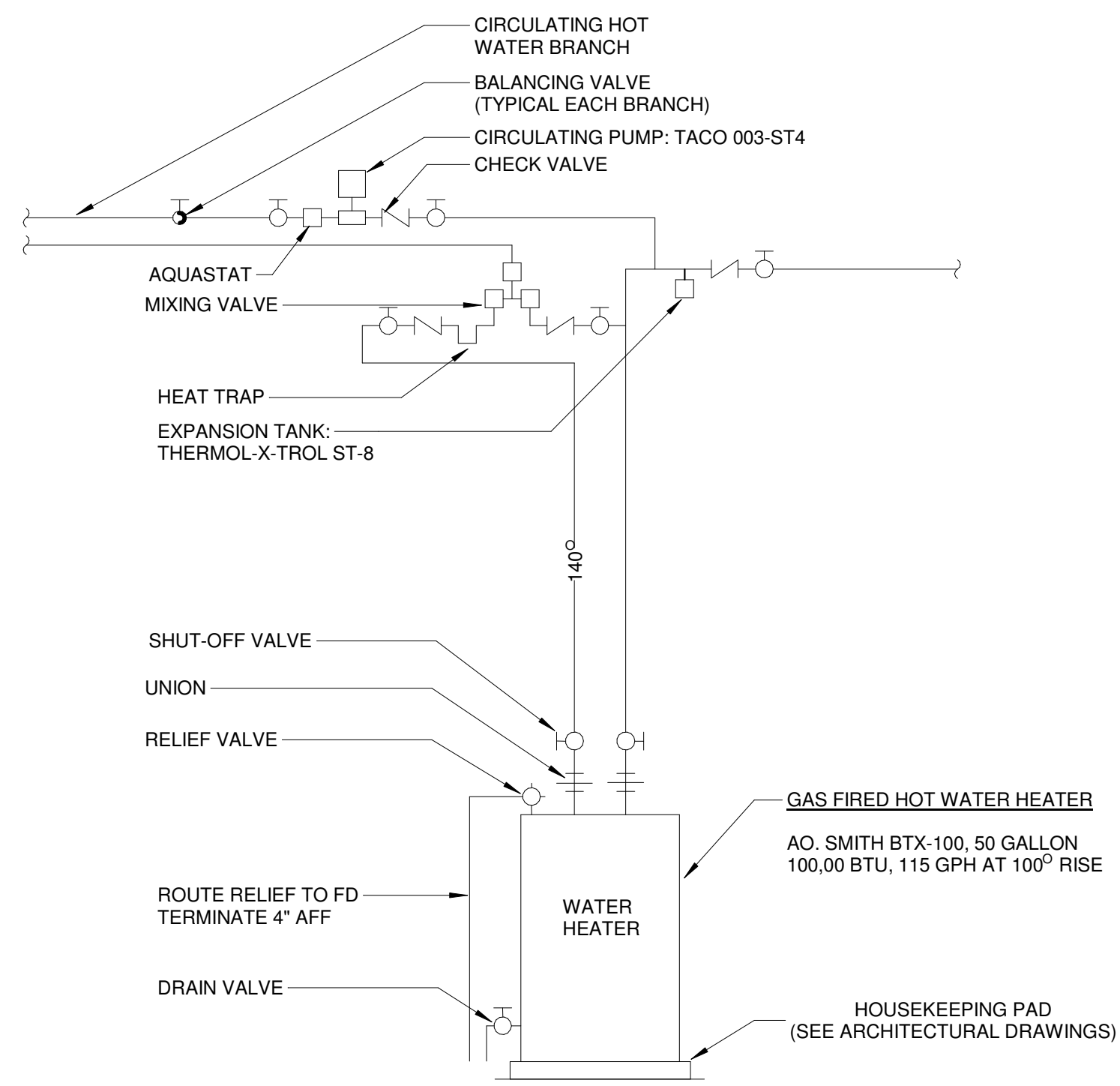


CITY WATER SERVICE PIPING DETAIL
NOT TO SCALE

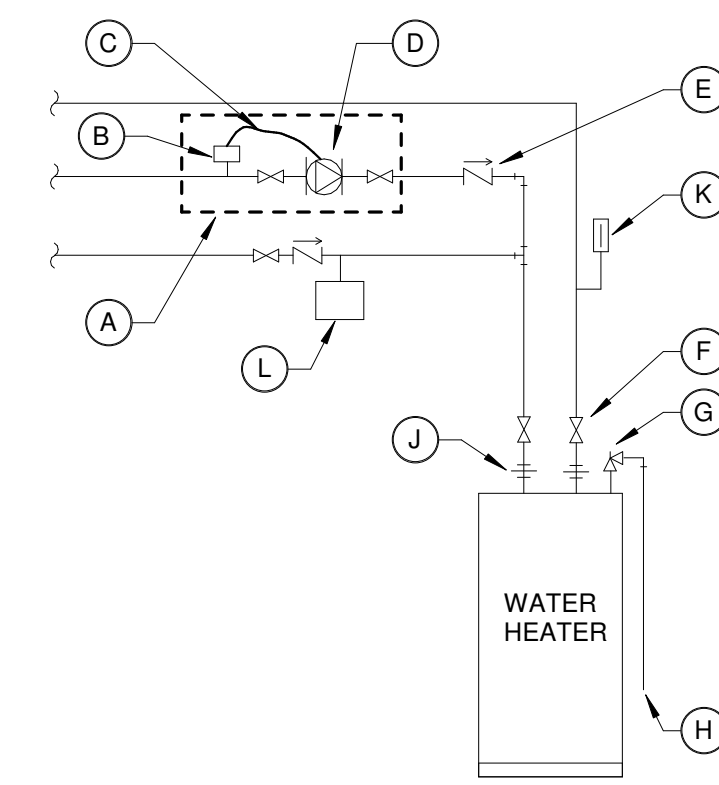


- KEY NOTES:**
- (A) WATER SOFTENING SYSTEM COMPLETE WITH BRINE TANK, TWIN MINERAL TANKS, AND BRINE AND DRAIN TUBING.
 - (B) WATER METER WITH REMOTE READER. METER SHALL MEET ASSE #1013 STANDARD AND SHALL MEASURE IN CUBIC FEET. INSTALLATION SHALL CONFORM TO OPC AND THE AMERICAN WATER WORKS ASSOCIATION

WATER SOFTENER SYSTEM PIPING DETAIL
NOT TO SCALE



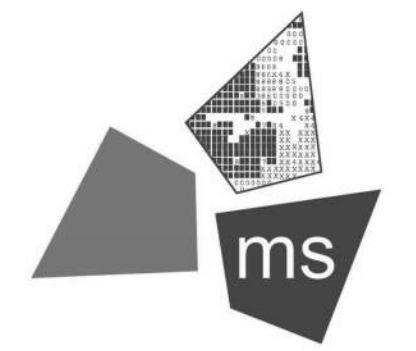
WATER HEATER PIPING DETAIL - SINGLE TEMPERATURE
NOT TO SCALE



- (A) MOUNT CIRCULATING PUMP, AQUASTAT, AND SHUTOFF VALVES BELOW CEILING IN ACCESSIBLE LOCATION.
- (B) AQUASTAT TO START PUMP AS TEMPERATURE DROPS BELOW 100 F (ADJUSTABLE)
- (C) WIRING FROM PUMP TO AQUASTAT BY PLUMBING CONTRACTOR
- (D) HOT WATER CIRCULATING PUMP: TACO 003-ST4
- (E) CHECK VALVE (TYPICAL)
- (F) SHUTOFF VALVE (TYPICAL)
- (G) 125 PSI TEMPERATURE/PRESSURE RELIEF VALVE.
- (H) PIPE FULL SIZE TO FLOOR DRAIN OR MOP SINK.
- (J) DIELECTRIC UNION FOR DISSIMILAR METALS, TYPICAL.
- (K) THERMOMETER
- (L) THERMAL EXPANSION TANK: THEMOL-X-ST-8

HOT WATER CIRCULATING PUMP PIPING DETAIL
NOT TO SCALE

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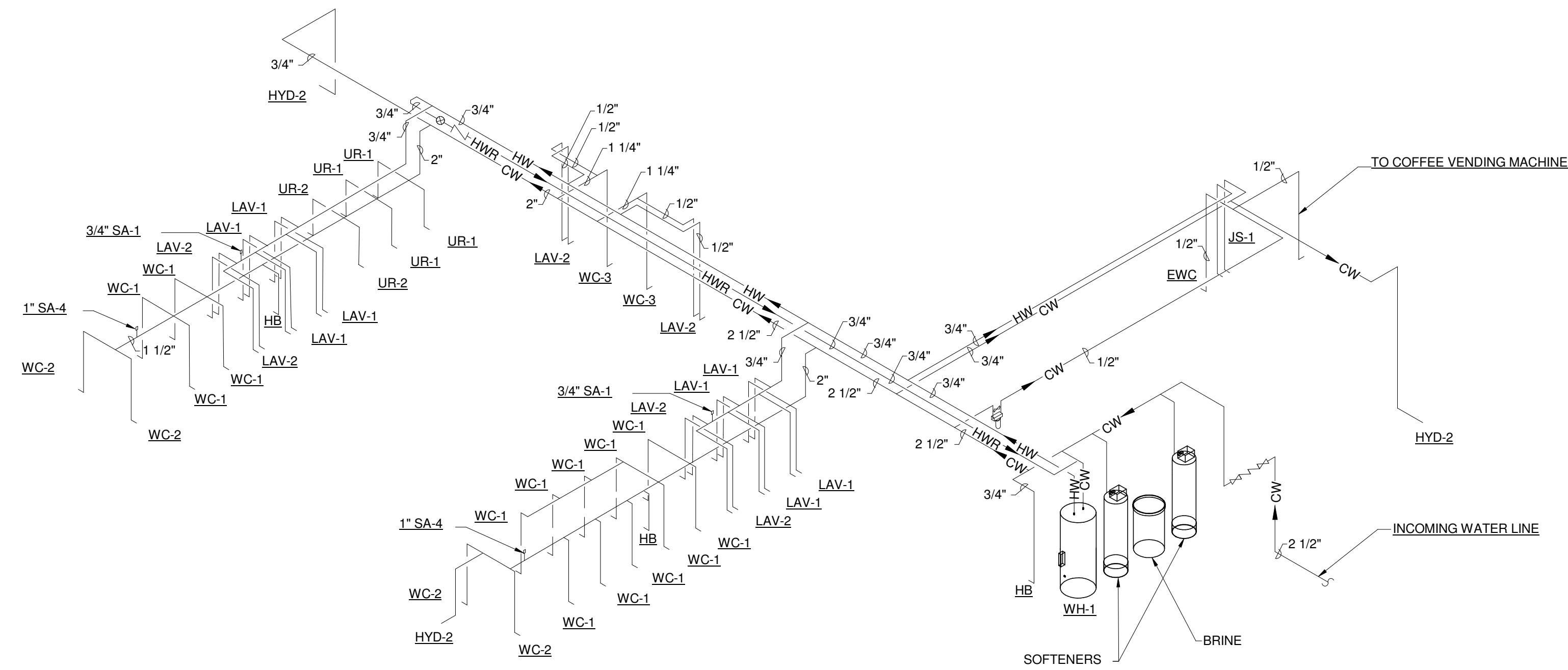
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SHEET TITLE PLUMBING DETAILS

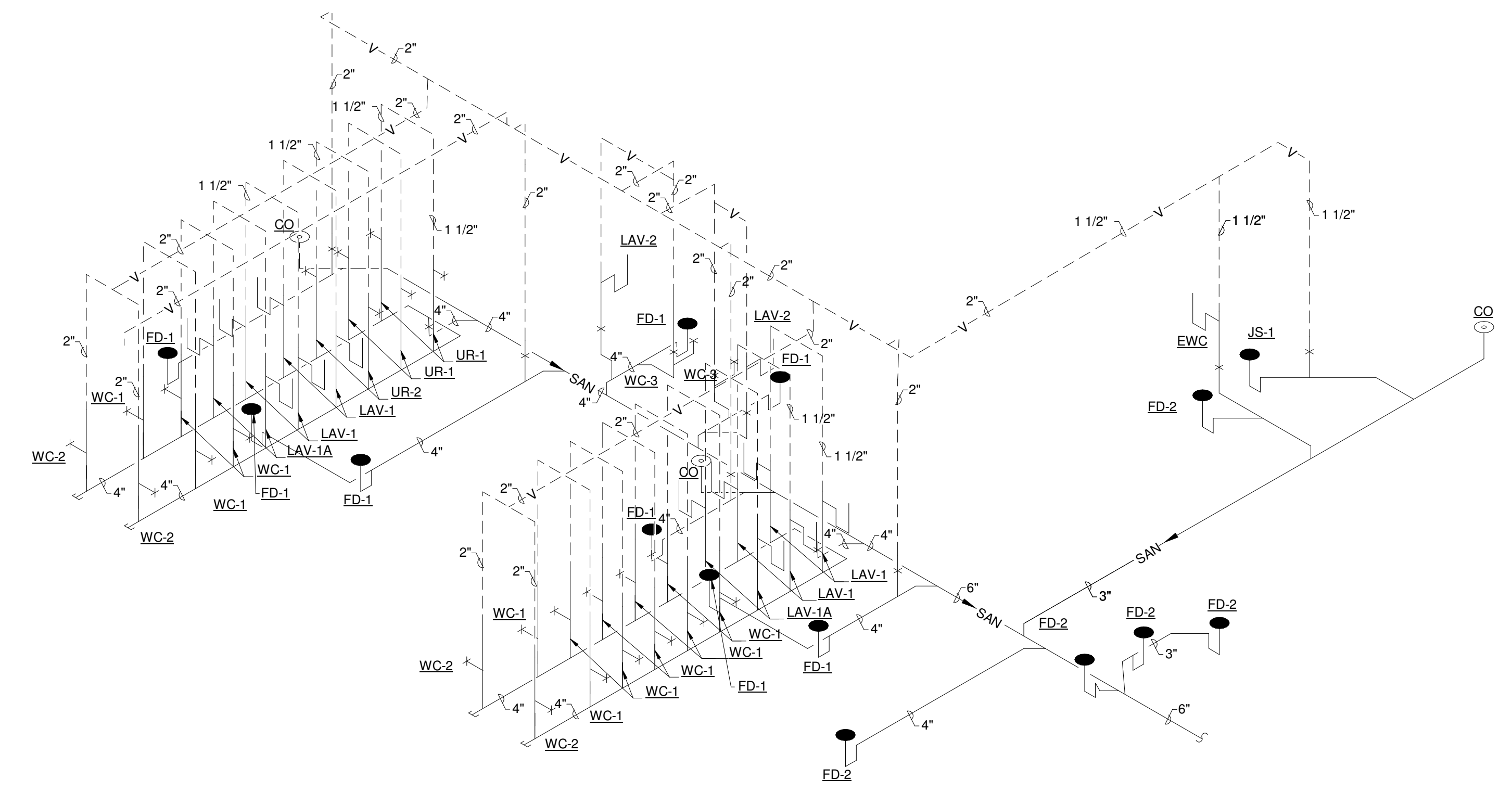
SHEET **P401**

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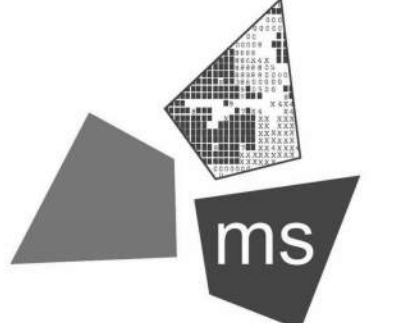
DOMESTIC WATER RISE DIAGRAM



WASTE & VENT RISER DIAGRAM

DRAWN BY ADO
 CHECKED BY CWH
 APPROVED BY
 ISSUE DATE 07/02/21

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4/21/21	DD SUBMISSION	
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7/2/21	CD SUBMISSION	



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SHEET TITLE
 PLUMBING RISER DIAGRAMS

SHEET
P402

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DUCTWORK SYMBOLS			
	UP	DN	SUPPLY DUCT (UP & DOWN)
	UP	DN	RETURN DUCT (UP & DOWN)
	UP	DN	EXHAUST DUCT (UP & DOWN)
			ROUND AND SQUARE 4-WAY CEILING DIFFUSERS
			SUPPLY TOP GRILLE (WALL TYPE)
			EXHAUST OR RETURN CEILING GRILLE
			EXHAUST OR RETURN BOTTOM GRILLE (WALL TYPE)
			EXHAUST OR RETURN TOP GRILLE (WALL TYPE)
			VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
		R	INCLINED RISE, IN DIRECTION OF AIR FLOW
		D	INCLINED DROP, IN DIRECTION OF AIR FLOW
			VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
			VANED ELBOW (SHORT RADIUS)
			STANDARD RADIUS ELBOW
	10x8		NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)
			DUCT WITH SOUND LINING
		D.	MANUAL VOLUME DAMPER
	T		THERMOSTAT
	TS		TEMPERATURE SENSOR

HVAC ABBREVIATIONS	
SYMBOL	DESCRIPTION
AHU	AIR HANDLING UNIT
BFF	BELOW FINISHED FLOOR
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
CTE	CONNECT TO EXISTING
+F	DEGREES FAHRENHEIT
Ø	DIAMETER
EC	ELECTRICAL CONTRACTOR
ERD	EMERGENCY ROOF DRAIN
EA	EXHAUST AIR
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
FT	FINNED TUBE RADIATION
GPM	GALLONS PER MINUTE
GC	GENERAL CONTRACTOR
HX	HEAT EXCHANGER
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
LPS	LOW PRESSURE STEAM SUPPLY
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
MOP	MOTOR OPERATED DAMPER
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PVC	POLYVINYL CHLORIDE
PSI	POUNDS PER SQUARE INCH
PRV	PRESSURE REGULATING VALVE
P	PUMP
RCP	RADIANT CEILING PANEL
RA	RETURN AIR
SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
UH	UNIT HEATER
V	VENT PIPING

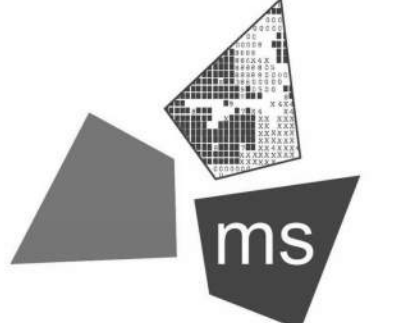
- GENERAL NOTES**
- ALL CONTRACTORS FOR THIS PROJECT ARE RESPONSIBLE TO REVIEW THE SUMMARY OF WORK, SPECIFICATION SECTION 011100 FOR REFERENCE TO OWNERSHIP OF WORK AND SPECIFIC JOB RESPONSIBILITIES.
 - DUCTWORK CONNECTIONS TO EQUIPMENT ARE PURSUANT TO EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
 - ALL DUCT DIMENSIONAL DATA REPRESENTS CLEAR INSIDE DIMENSIONS.
 - CONTRACTOR TO VERIFY FIELD CONDITIONS AND DIMENSIONS OF JOB BEFORE CONSTRUCTION.
 - ROUND DUCT FLEXIBLE CONNECTION TO DIFFUSERS SHALL BE NO LONGER THAN 5 FEET.
 - COORDINATE ALL WORK WITH OTHER TRADES TO AVOID ANY CONFLICTS.
 - CONTRACTOR SHALL MAKE NECESSARY TURNS AND OFFSETS TO AVOID ANY CONFLICTS WITH BUILDING ELEMENTS.
 - PROVIDE VOLUME DAMPERS IN EVERY BRANCH LINE BEFORE EACH DIFFUSER, GRILLE OR REGISTER.
 - COORDINATE DUCT, WALL AND ROOF PENETRATIONS WITH RELEVANT TRADES.
 - INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT FOR BEST SERVICE ACCESS TO UNITS. DO NOT IMPEDE COIL PULL AND FILTER AREAS.
 - SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL GRILLES, REGISTERS, AND DIFFUSERS. CENTER DIFFUSERS IN 2'x2' HALF OF CEILING TILE.
 - ALL DUCTWORK TO BE INSULATED ON THE EXTERIOR FROM AHU/ERU TO DIFFUSER, GRILLE, REGISTER OR LOUVER UNLESS OTHERWISE NOTED.
 - ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND FIRE STOPPED.
 - ALL PENETRATIONS THROUGH NON-FIRE RATED ASSEMBLIES SHALL BE SLEEVED, CAULKED OR OTHERWISE SEALED AGAINST SOUND TRANSMISSION. ALL EXPOSED PENETRATIONS SHALL HAVE A FLANGED EDGE, CONCEALING EDGE OF OPENING.
 - PIPE UNIT CONDENSATE DRAINS TO FLOOR DRAIN WITH CLEANOUTS AND P-TRAPS
 - MOUNT AIR HANDLING UNITS AND ENERGY RECOVERY UNITS ON CONCRETE PADS.
 - THERMOSTATS AND TEMPERATURE SENSORS TO BE HOUSED IN LOCKABLE COVER OF STURDY CONSTRUCTION TO PROTECT AGAINST TAMPERING OR DAMAGE. HOUSING TO BE PROVIDED FOR ALL THERMOSTATS AND TEMPERATURE SENSORS IN PUBLIC AREAS.
 - 1/4" SCALE DUCTWORK SHOP DRAWINGS SHOWING BEAMS, LIGHTS, ECT. SHALL BE SUBMITTED BEFORE ANY DUCTWORK IS FABRICATED. CONTRACTOR SHALL VERIFY ALL BEAM LOCATIONS, ELEVATIONS, AND EXISTING EQUIPMENT PRIOR TO SUBMISSION OF THESE SHOP DRAWINGS. NO DUCTWORK FABRICATION SHALL START UNTIL APPROVAL OF DUCT SHOP DRAWINGS.
 - ALL CONTRACTORS SHALL REVIEW ARCHITECTURAL PLANS SHOWING WALL TYPE AND CONSTRUCTION FOR TRANSFER OPENINGS AND INTEL REQUIREMENTS.
 - MECHANICAL CONTRACTOR SHALL "BLANK-OFF" ANY PORTIONS OF THE LOUVER AND SCREEN NOT REQUIRED.

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REVISION		
#	DATE	DESCRIPTION
2/8/21	SD	SUBMISSION
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PROJECT
REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45759
WASHINGTON COUNTY

NOT FOR CONSTRUCTION

PROJECT NO. 64-12A23-00

SHEET TITLE HVAC TITLE SHEET

SHEET H001

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AIR HANDLING UNIT SCHEDULE

MARK	LOCATION	MANUFACTURER & MODEL NO.	O.A. CFM	SUPPLY CFM	E.S.P. IN.	MOTOR HP	COOLING COIL			GAS HEATING		AHU ELECTRICAL DATA	NOTES
							EER	SENSIBLE M.B.H.	TOTAL M.B.H.	INPUT MBH	OUTPUT MBH	VOLT. & PHASE	
AHU-1	117 MECHANICAL ROOM	TRANE S9V2C100U4PSBB	675	1700	0.5	3/4	12.0	--	56.0	100	97	120V / 1Ø	1, 2, 3, 4, 5, 6
AHU-2	117 MECHANICAL ROOM	TRANE S9V2C100U4PSBB	675	1700	0.5	3/4	12.0	--	56.0	100	97	120V / 1Ø	1, 2, 3, 4, 5, 6
AHU-3	117 MECHANICAL ROOM	TRANE S9V2C100U4PSBB	675	1700	0.5	3/4	12.0	--	56.0	100	97	120V / 1Ø	1, 2, 3, 4, 6

AIR HANDLING UNIT SCHEDULE NOTES:

1. MAINTAIN 3'-0" CLEARANCE AT FRONT FACE OF EQUIPMENT.
2. FAN TO RUN CONTINUOUSLY.
3. FURNISH UNIT WITH 7-DAY PROGRAMMABLE THERMOSTAT WITH REMOTE SENSOR. SEE DRAWINGS FOR LOCATION OF THERMOSTAT AND SENSOR.
4. MOUNT UNIT ON CONCRETE HOUSEKEEPING PAD, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND PAD THICKNESS.
5. PROVIDE TWINNING KIT FOR AHU-1 AND AHU-2.
6. MOUNT RETURN AIR DUCT SMOKE DETECTOR IN RETURN AIR DUCT PRIOR TO FRESH AIR CONNECTION FROM ERU-1. SEE ELECTRICAL DRAWINGS. DUCT DETECTOR PROVIDED BY MECHANICAL CONTRACTOR. DUCT SMOKE DETECTOR INSTALLED, POWERED AND TIED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.

CONDENSING UNIT SCHEDULE

MARK	SERVING	MINIMUM SEER	TOAL COOLING CAPACITY (BTU)	SENSIBLE COOLING CAPACITY (BTU)	M.C.A.	VOLTAGE/PHASE/HZ	MANUFACTURER & MODEL	WEIGHT	NOTES
CU-1	AHU-1	12.0	56000	--	31.0	240/1/60	TRANE 4TTR4060	246	1, 2, 3
CU-2	AHU-2	12.0	56000	--	31.0	240/1/60	TRANE 4TTR4060	246	1, 2, 3
CU-3	AHU-3	12.0	56000	--	31.0	240/1/60	TRANE 4TTR4060	246	1, 2, 3

CONDENSING UNIT SCHEDULE NOTES:

1. PROVIDE UNIT WITH REFRIGERATION LINE SETS, COMPLETE WITH ALL REQUIRED ACCESSORIES AND CONTROLS FROM CONDENSING UNIT TO AIR HANDLER.
2. FURNISH UNIT WITH LOW-AMBIENT TEMPERATURE KIT.
3. MOUNT UNIT ON CONCRETE PAD, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND PAD THICKNESS.

ENERGY RECOVERY UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	COOLING DESIGN HEAT EXCHANGER				HEATING DESIGN HEAT EXCHANGER			SUPPLY FAN			EXHAUST FAN			FILTER QUANTITY / EFFICIENCY	WEIGHT	ELECTRICAL VOLTAGE / PHASE	NOTES		
				OUTDOOR AIR				EXHAUST ENTERING AIR TEMP. DB	ENTERING AIR		LEAVING AIR	EXHAUST ENTERING AIR TEMP. DB	AIRFLOW	EXT. STATIC PRESS.	MOTOR QUANTITY / POWER	AIRFLOW					EXT. STATIC PRESS.	MOTOR QUANTITY / POWER
				ENTERING AIR TEMP. DB	ENTERING AIR TEMP. WB	LEAVING AIR TEMP. DB	LEAVING AIR TEMP. WB		ENTERING AIR TEMP. DB	LEAVING AIR TEMP. DB												
ERU-1	RENEWAIRE	HE-3XJNH	STATIC ENTHALPY PLATE	90.0°F	73.0°F	79.5°F	67.5°F	75.0°F	-2.0°F	48.5°F	70.0°F	2020 CFM	0.50 IN-WG	1 / 2 HP	1920 CFM	0.75 IN-WG	1 / 2 HP	6 PLEATED / MERV 8	628 LB	240 V / 1Ø	1, 2, 3, 4, 5, 6, 7, 8	

ENERGY RECOVERY UNIT SCHEDULE NOTES:

1. INTERLOCK WITH AHU-3 FOR ERU START/STOP CONTROL AND L-1 FOR DAMPER OPEN SIGNAL.
2. M.C. TO PROVIDE ALL LOW-VOLTAGE WIRING.
3. PROVIDE WITH FACTORY-INSTALLED VFD'S, ONE FOR EACH FAN.
4. PROVIDE WITH INTEGRATED PROGRAMMABLE CONTROLS.
5. PROVIDE WITH FACTORY MOUNTED FILTER ALARMS.
6. MAINTAIN 3'-0" CLEARANCE AROUND UNIT.
7. AIRFLOW ORIENTATION IS TO BE HORIZONTAL.
8. MOUNT UNIT ON CONCRETE PAD, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND PAD THICKNESS.

LOUVER SCHEDULE

MARK	LOCATION/ SERVING	DESIGN CFM	SIZE (WxH, IN.)	MINIMUM FREE AREA (SQ. FT.)	MAX. PRESSURE DROP (IN. H2O)	FREE AREA MAX. VELOCITY (FPM)	SCREEN TYPE	NOTES
L-1	MECHANICAL ROOM 117	2020	48x36	5.21	0.025	400	BIRDSCREEN	1
L-2	MECHANICAL ROOM 117	1920	30x30	2.56	0.085	750	BIRDSCREEN	

LOUVER SCHEDULE NOTES:

1. FURNISH UNIT WITH 24 VDC MOTOR OPERATED DAMPER INTERLOCKED TO OPERATE WITH ERU-1. MECHANICAL CONTRACTOR TO PROVIDE ALL LOW VOLTAGE WIRING.

CABINET UNIT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL NO.	TYPE	CABINET			ELECTRICAL		NOTES
				WIDTH	LENGTH	HEATING G. CAP.	VOLTAGE	PHASE	
RHP-1	INDEECO	AS2448-750-120	RADIANT CEILING PANEL	2'-0"	4'-0"	750 W	120 V	1	1, 2, 3
RHP-2	INDEECO	AS2448-750-120	RADIANT CEILING PANEL	2'-0"	4'-0"	750 W	120 V	1	1, 2, 3
RHP-3	INDEECO	AS2448-750-120	RADIANT CEILING PANEL	2'-0"	4'-0"	750 W	120 V	1	1, 2, 3
RHP-4	INDEECO	AS2448-750-120	RADIANT CEILING PANEL	2'-0"	4'-0"	750 W	120 V	1	1, 2, 3
RHP-5	INDEECO	AS2448-750-120	RADIANT CEILING PANEL	2'-0"	4'-0"	750 W	120 V	1	1, 2, 3

ELECTRIC RADIANT HEATER SCHEDULE NOTES:

1. SUSPEND UNIT FROM STRUCTURE.
2. SEE DRAWINGS FOR LINE VOLTAGE THERMOSTAT ARRANGEMENT. PROVIDE THERMOSTATS WITH LOCKABLE COVERS.
3. FURNISH WITH FLUSH MOUNTED CEILING TRIM KIT.
4. PROVIDE WITH REMOTE CEILING MOUNTED LINE-VOLTAGE THERMOSTAT.

DIFFUSERS, REGISTERS, AND GRILLES SCHEDULE

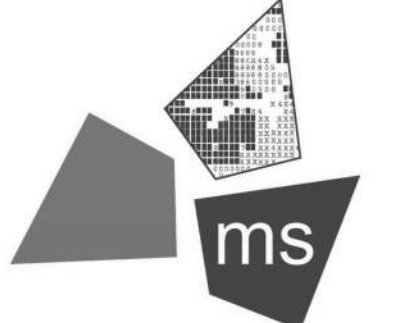
TAG	MOUNTING	DIFFUSER FACE	NECK SIZE	MAX CFM	MAX N.C.	TYPE	MANUFACTURER & MODEL NO.
A	DRYWALL	12x12	6"ø	AS NOTED	30	SUPPLY DIFFUSER	TITUS TMSA
B	DRYWALL	24x24	8"ø	AS NOTED	30	SUPPLY DIFFUSER	TITUS TMSA
C	DRYWALL	24x24	10"ø	AS NOTED	30	SUPPLY DIFFUSER	TITUS TMSA
D	DUCT MOUNTED	12x8	12x8	AS NOTED	30	LOUVERED FACE SUPPLY GRILLE	TITUS 300RL
E	DRYWALL	36x10	36x10	AS NOTED	30	LOUVERED FACE SUPPLY GRILLE	TITUS 300RL
F	DRYWALL	24x12	24x12	AS NOTED	30	EGGCRATE RETURN GRILLE	TITUS 50F
G	DRYWALL	24x24	22x22	AS NOTED	30	EGGCRATE RETURN GRILLE	TITUS 50F
H	DUCT MOUNTED	12x8	12x8	AS NOTED	30	LOUVERED FACE RETURN GRILLE	TITUS 350RL
I	DRYWALL	12x12	12x12	AS NOTED	30	LOUVERED FACE RETURN GRILLE	TITUS 350RL

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PROJECT REST AREA BUILDING REPLACEMENT

CLIENT STATE OF OHIO DEPARTMENT OF TRANSPORTATION

MARIETTA, OHIO 45750 WASHINGTON COUNTY

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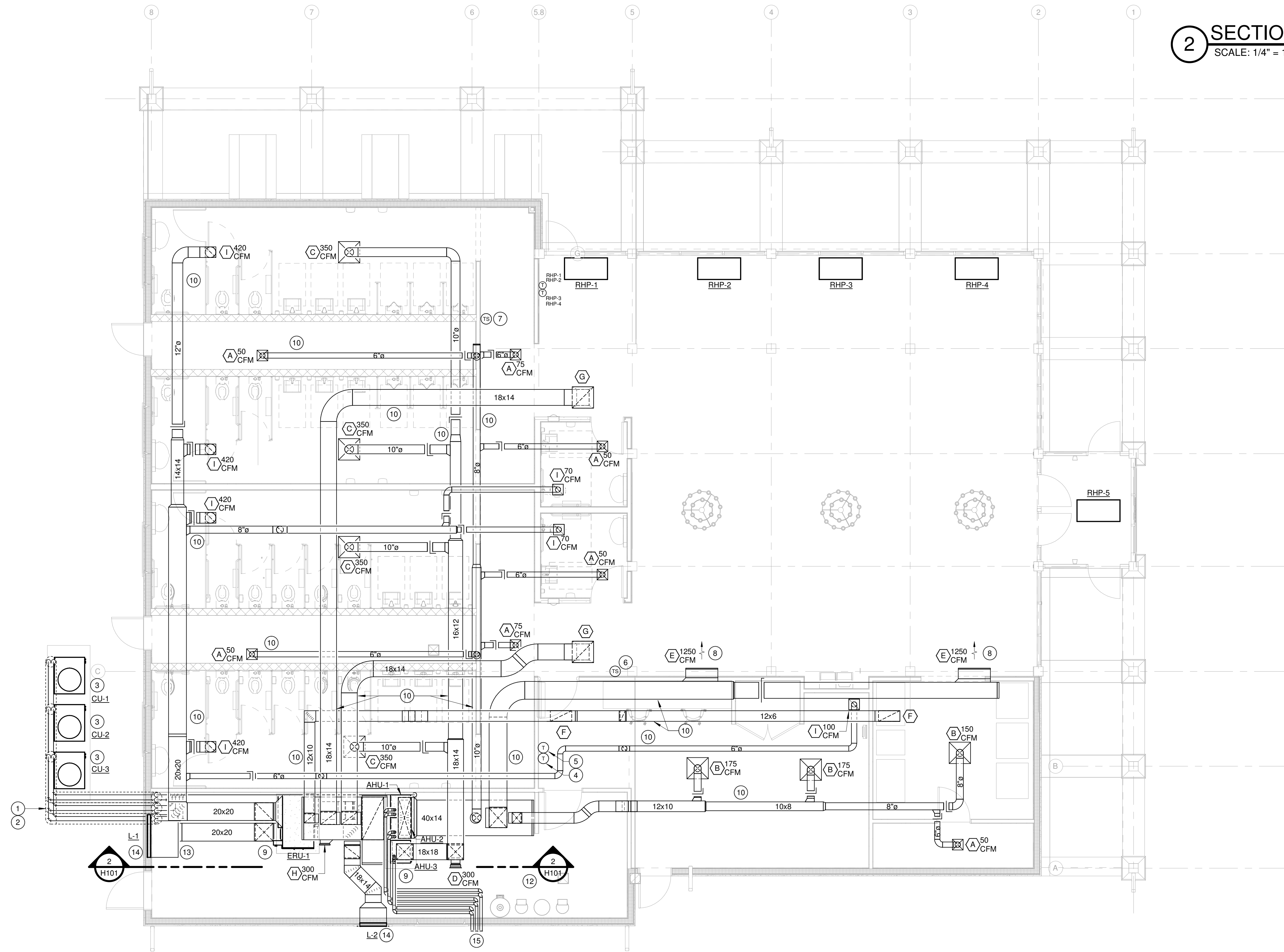
PROJECT NO. 64-12A23-00

SHEET TITLE HVAC SCHEDULES

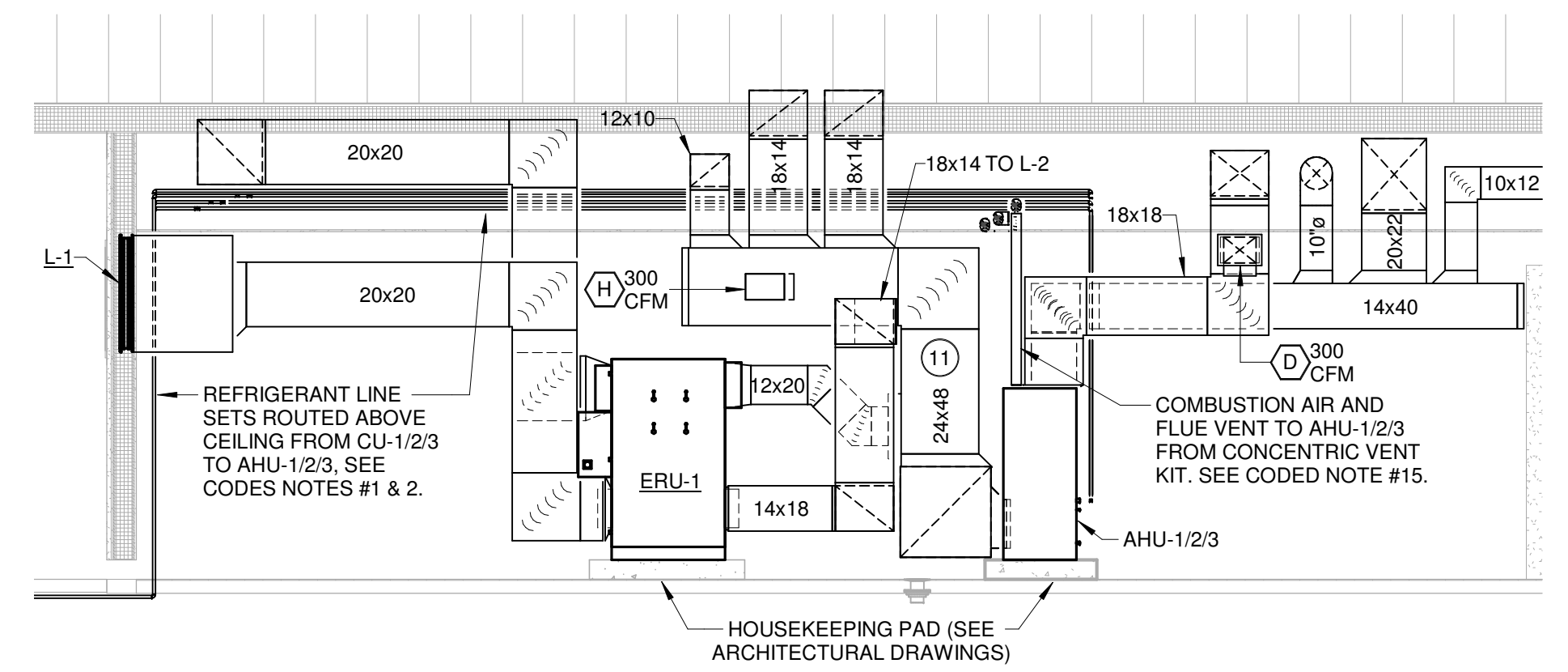
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1 OVERALL HVAC PLAN
SCALE: 3/16" = 1'-0"



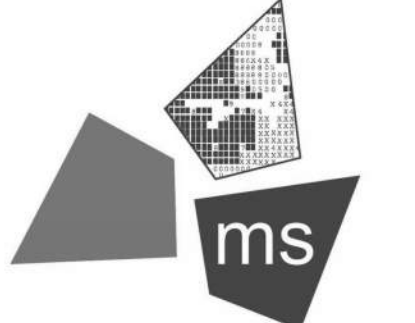
2 SECTION AT MECH. RM.
SCALE: 1/4" = 1'-0"

GENERAL NOTE
COORDINATE ALL DUCTWORK ROUTING WITH ROOF TRUSS LAYOUT. ALL DUCTWORK RUN THROUGH ATTIC IS TO BE RUN ABOVE BOTTOM CHORD OF TRUSSES.

CODED NOTES:

- 1 PROVIDE AND INSTALL 6"Ø SCH. 40 PVC ELECTRICAL CONDUIT (WITH LONG SWEEP ELBOWS) FROM THE CONDENSER PAD TO INSIDE BUILDING. EXTEND CONDUIT UP ABOVE SLAB A MINIMUM OF 3" AND SEAL PENETRATION WEATHER-TIGHT. (TYP AT EACH END). PROVIDE SLEEVE FOR CONDUIT AT EXTERIOR WALL FOUNDATION. ROUTE REFRIGERANT LINE SET(S) IN CONDUIT AND SEAL ALL PENETRATIONS WEATHER-TIGHT.
- 2 ROUTE REFRIGERANT PIPING FROM HP-1/2/3 TO AHU-1/2/3 AND PROVIDE ALL ACCESSORIES REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
- 3 HEAT PUMP SET ON CONCRETE HOUSEKEEPING PAD, REFER TO ARCHITECTURAL DRAWINGS FOR PAD THICKNESS. LOCATION SHOWN FOR REFERENCE ONLY. FIELD COORDINATE EXACT LOCATION TO FIT WITHIN NEW LANDSCAPE DESIGN.
- 4 THERMOSTAT SERVING AHU-1/2 LOCATED IN MAINTENANCE ROOM 105 WITH REMOTE TEMPERATURE SENSOR. INSTALL REMOTE SENSOR IN LOBBY 102. MECHANICAL CONTRACTOR TO PROVIDE ALL LOW-VOLTAGE WIRING AND CONTROLS BACK TO AHU-1/2.
- 5 THERMOSTAT SERVING AHU-3 LOCATED IN MAINTENANCE ROOM 105 WITH REMOTE TEMPERATURE SENSOR. INSTALL REMOTE SENSOR IN RESTROOM ENTRANCE 109. MECHANICAL CONTRACTOR TO PROVIDE ALL LOW-VOLTAGE WIRING AND CONTROLS BACK TO AHU-3.
- 6 REMOTE TEMPERATURE SENSOR. SEE CODED NOTE #4.
- 7 REMOTE TEMPERATURE SENSOR. SEE CODED NOTE #5.
- 8 WALL MOUNTED SUPPLY GRILLE. MOUNT GRILLE AT 10'-6" A.F.F. TO CENTERLINE (COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT PRIOR TO INSTALLATION).
- 9 MECHANICAL EQUIPMENT SET ON CONCRETE HOUSEKEEPING PAD. REFER TO ARCHITECTURAL DRAWINGS FOR PAD THICKNESS AND EXACT LOCATION.
- 10 ROUTE DUCTWORK ABOVE CEILING, CENTERED BETWEEN TRUSSES.
- 11 MECHANICAL CONTRACTOR TO FABRICATE AN 18x42 FILTER RACK (SINGLE SIDE ACCESS) CAPABLE OF HOLDING TWO KOCH MULTI-PLEAT 18x21x4 MERV 8 FILTERS. FILTER RACK TO HAVE A MID-WAY MULLION, FULL PERIMETER C-CHANNEL, FABRICATED SHEET METAL "J" HOOK FOR EASE OF REMOVING THE FAR FILTER AND A HINGED AND GASKETED ACCESS DOOR WITH A MINIMUM OF THREE FASTENERS.
- 12 HOT WATER HEATER AND WATER SOFTENING SYSTEM. SEE PLUMBING DRAWINGS.
- 13 PROVIDE LOUVER FULL-SIZE PLENUM BOX (DEPTH AS REQUIRED) WITH REAR TAP FOR O.A. DUCT.
- 14 WALL MOUNTED LOUVER. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND ELEVATION.
- 15 ROUTE COMBUSTION INLET AND FLUE PIPING FROM AHU-1/2/3 AND TERMINATE AT EXTERIOR WITH LOW-PROFILE CONCENTRIC VENT KIT PROVIDED BY UNIT MANUFACTURER.

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PROJECT

REST AREA BUILDING REPLACEMENT

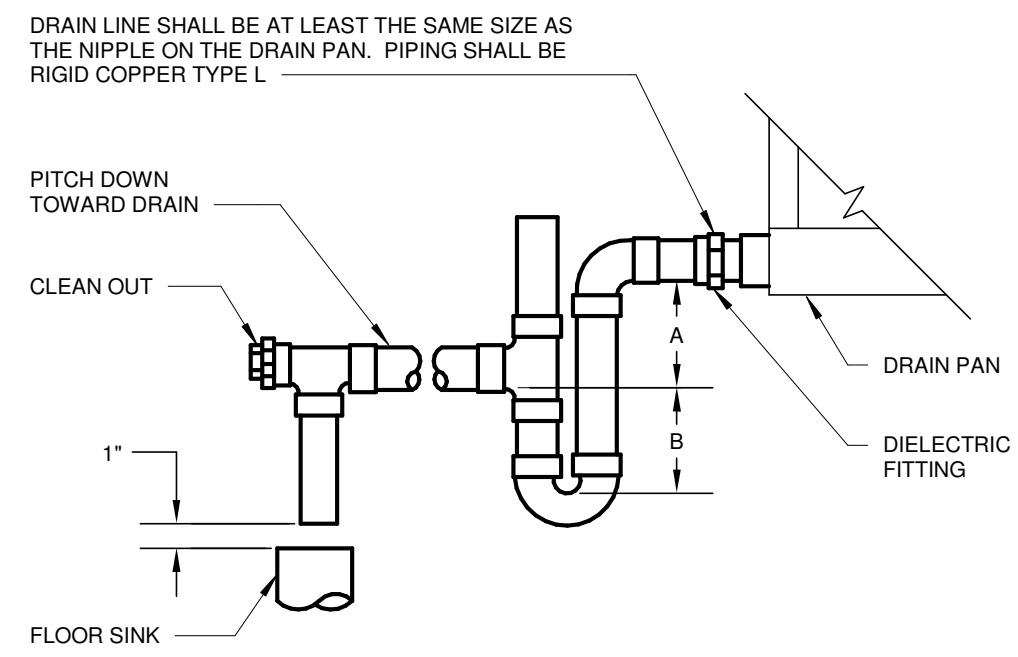
MARIETTA, OHIO 45750
WASHINGTON COUNTY

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PROJECT NO.	64-12A23-00
SHEET TITLE	OVERALL HVAC PLAN
SHEET	H101

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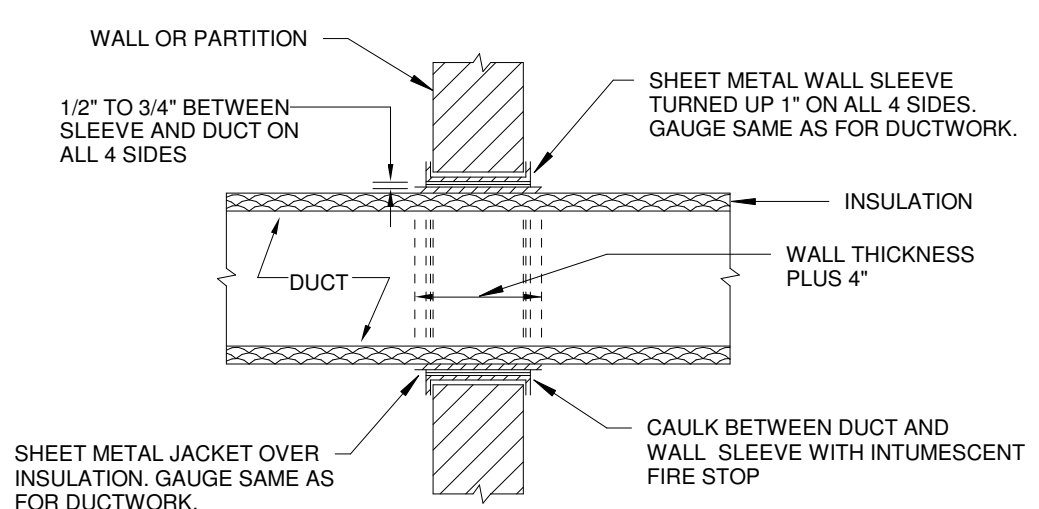
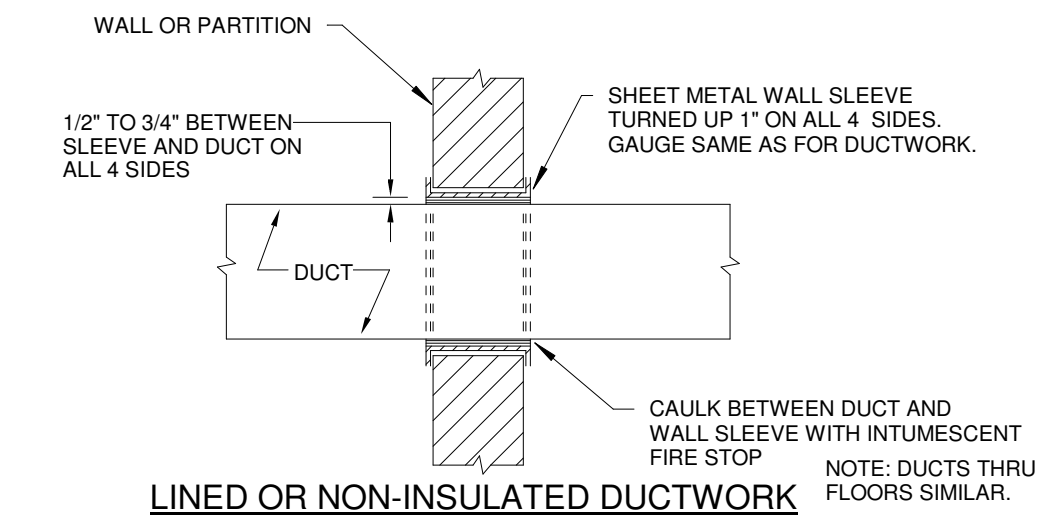
NOTES:
1. DIELECTRIC FITTING TO BE USED WHEN TWO DISSIMILAR METALS ARE TO BE CONNECTED.

UNIT TYPE	A	B
DRAW THRU	2" PLUS X	X
BLOW THRU	1" MINIMUM	2X

WHERE X = STATIC PRESSURE IN PAN

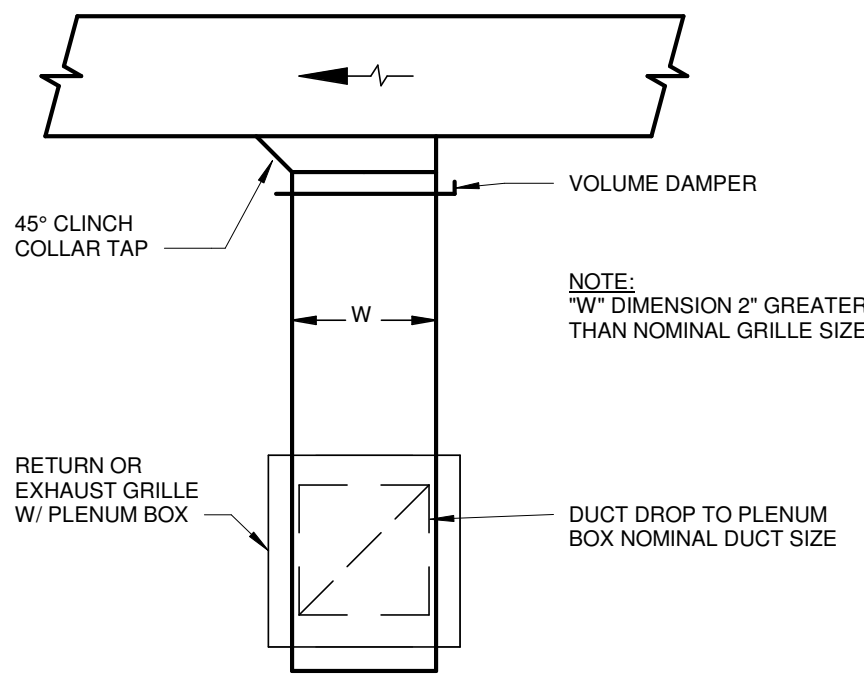
CONDENSATE DRAIN TRAP DETAIL

N.T.S.



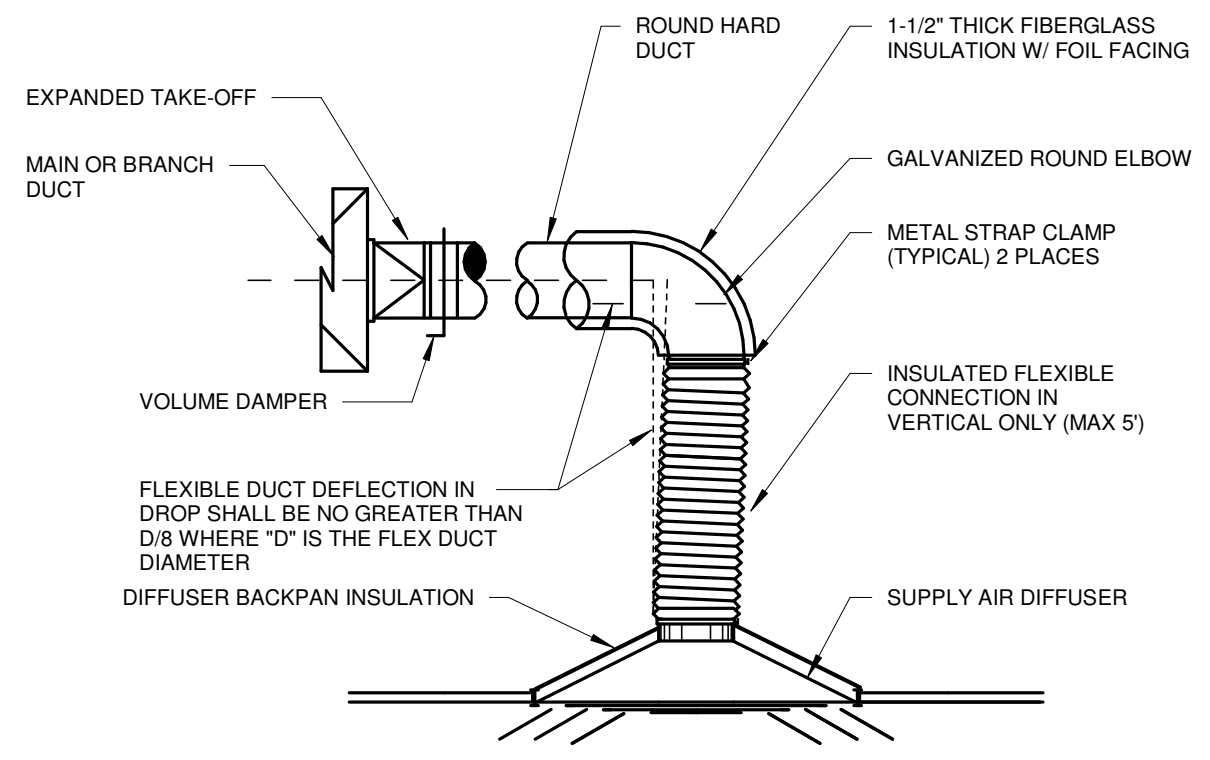
DETAIL OF DUCTS PASSING THRU WALLS OR PARTITIONS (WHERE NO FIRE DAMPER REQUIRED)

N.T.S.



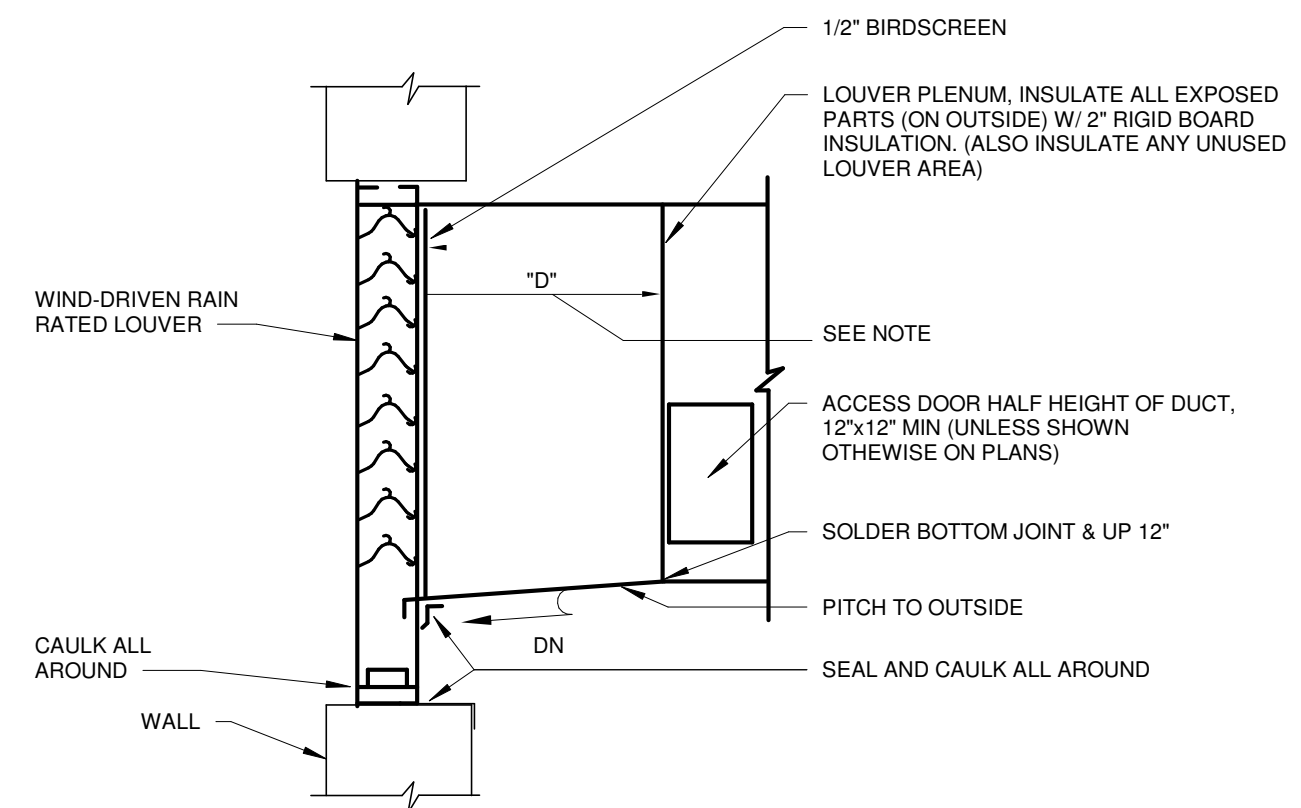
RETURN/EXHAUST GRILLE CONNECTION DETAIL

N.T.S.



DIFFUSER CONNECTION DETAIL

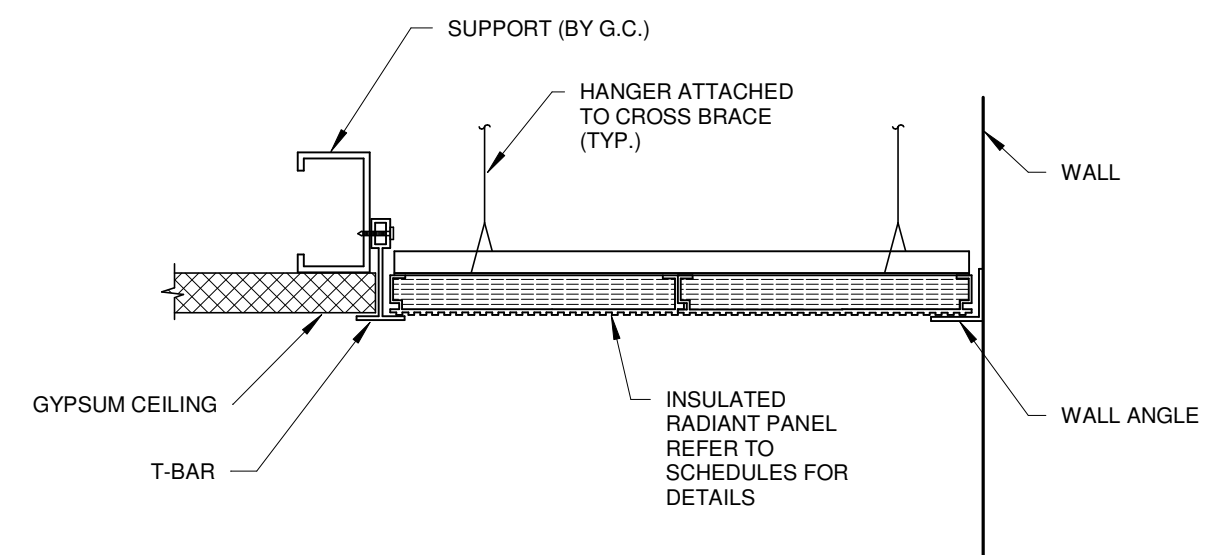
N.T.S.



DETAIL NOTES:
1. WHEN "D" IS OVER 24" PROVIDE 3/4" DRAIN WITH TRAP AND THREADED CAP AT 5'-0" CENTERS (IF DEPTH INTO PAPER IS GREATER THAN 5'-0"), 6" FROM LOUVER WITH TRAP.
2. PROVIDE LOUVER WITH EXTENDED SILL IF SPECIFIED/SCHEDULED.

LOUVER CONNECTION DETAIL

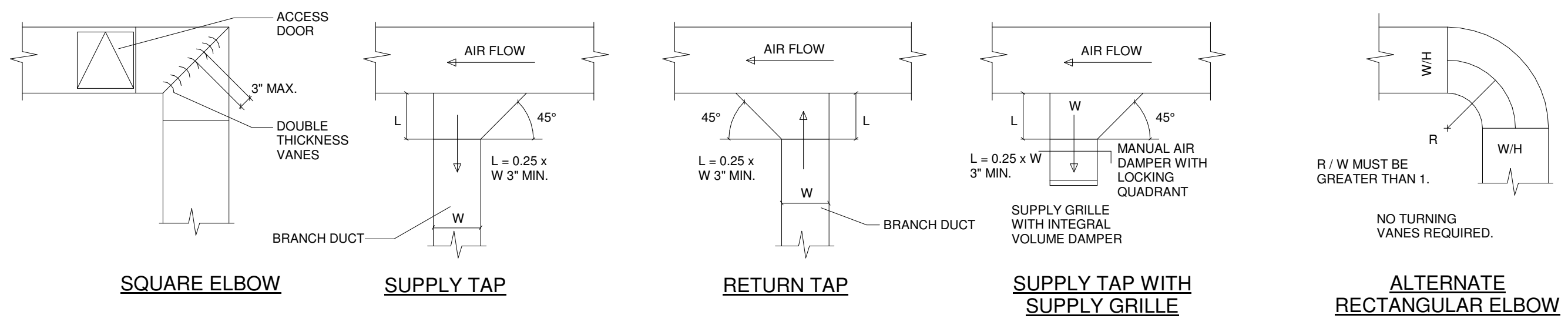
N.T.S.



NOTES:
1. THIS DETAIL SHOWS THE GENERAL CONCEPT OF THE RADIANT HEATING PANEL MOUNTING. REFER TO THE MANUFACTURERS INSTALLATION REQUIREMENTS ALSO.
2. REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL INSTALLATION REQUIREMENTS AND DESIGN INTENT.

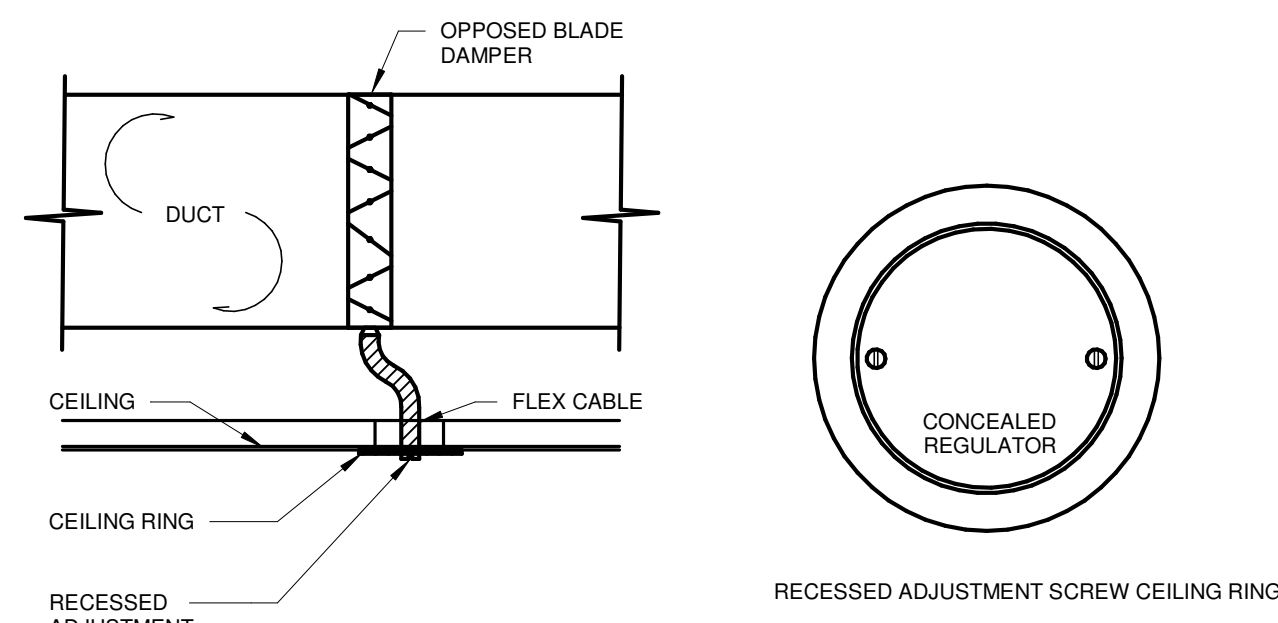
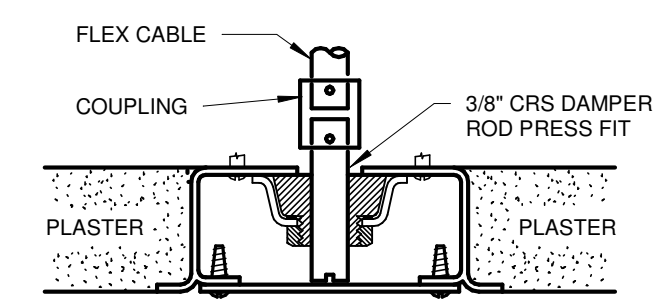
RADIANT CEILING PANEL DETAIL

N.T.S.



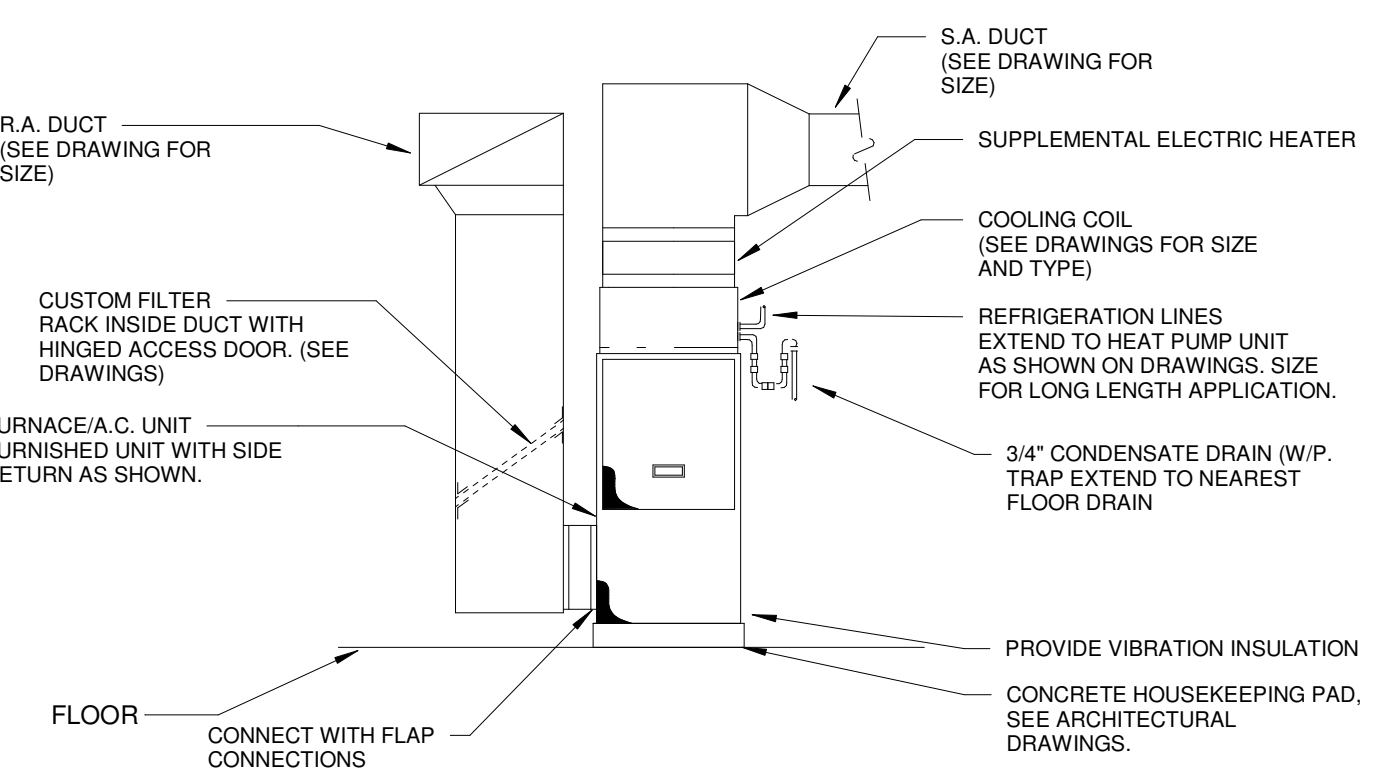
DUCTWORK DETAIL

N.T.S.



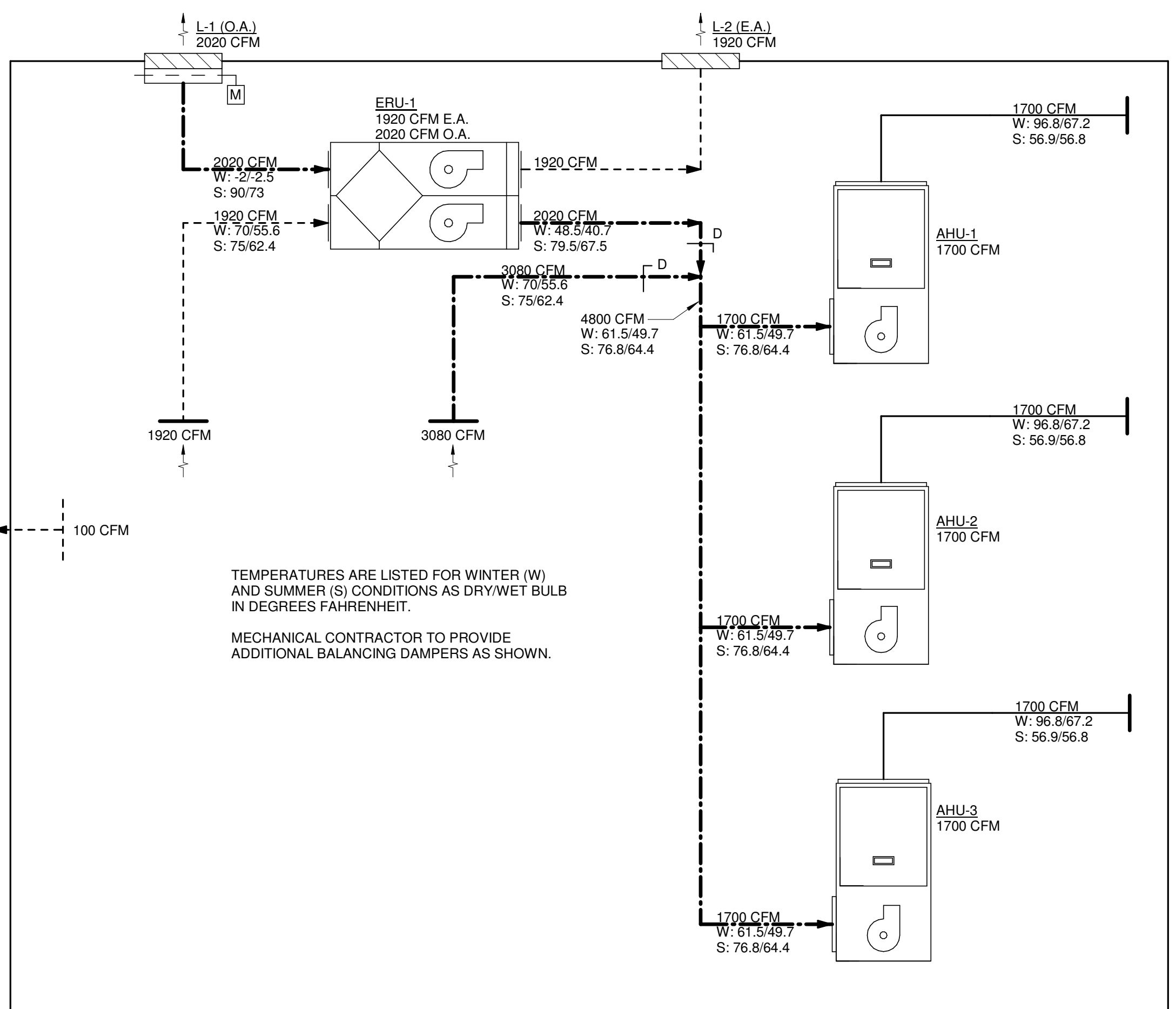
REMOTELY ADJUSTABLE BALANCING DAMPER

N.T.S.



DETAIL OF AHU

N.T.S.



AIRFLOW SCHEMATIC

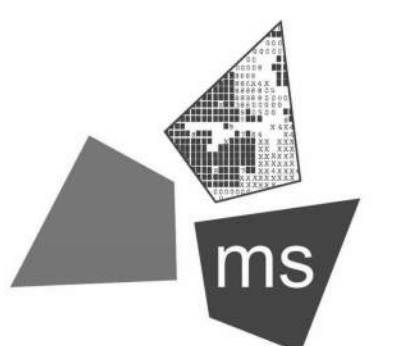
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PROJECT REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45750 WASHINGTON COUNTY

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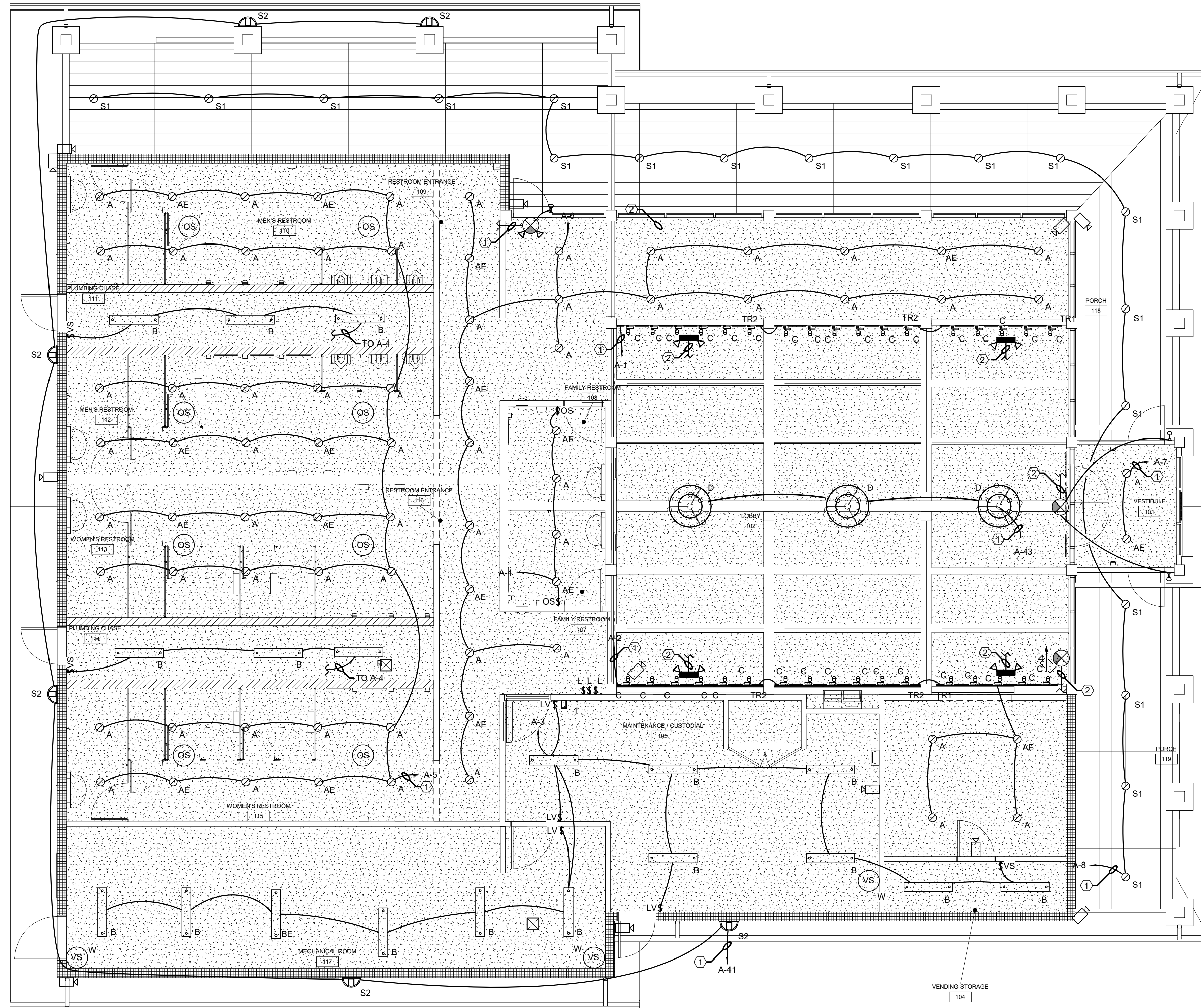
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SHEET TITLE HVAC DETAILS

SHEET H401

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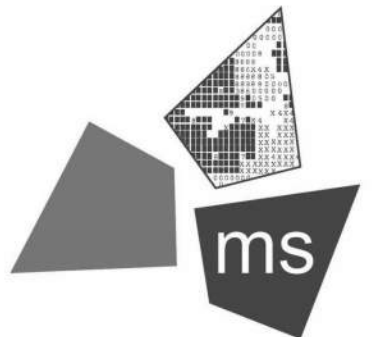


FLOOR PLAN - LIGHTING
SCALE: 3/16" = 1'-0"

Hex Notes:

- ① ROUTE CIRCUIT THROUGH LIGHTING CONTROL RELAY PANEL AS REQUIRED. SEE LIGHTING RELAY CONTROL PANEL WIRING DIAGRAM FOR DETAILS.
- ② CONNECT TO ROOM LIGHTING CIRCUIT AHEAD OF ANY/ALL SWITCHING AND RELAYS.

DRAWN BY	GJL	
CHECKED BY	TJC	
ISSUE DATE	07/02/21	
REVISION		
#	DATE	DESCRIPTION
2/8/21	SD	SUBMISSION
4/7/21	DD	PROGRESS
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6/18/21	CD	PROGRESS
7/2/21	CD	SUBMISSION



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PROJECT

REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45750
WASHINGTON COUNTY

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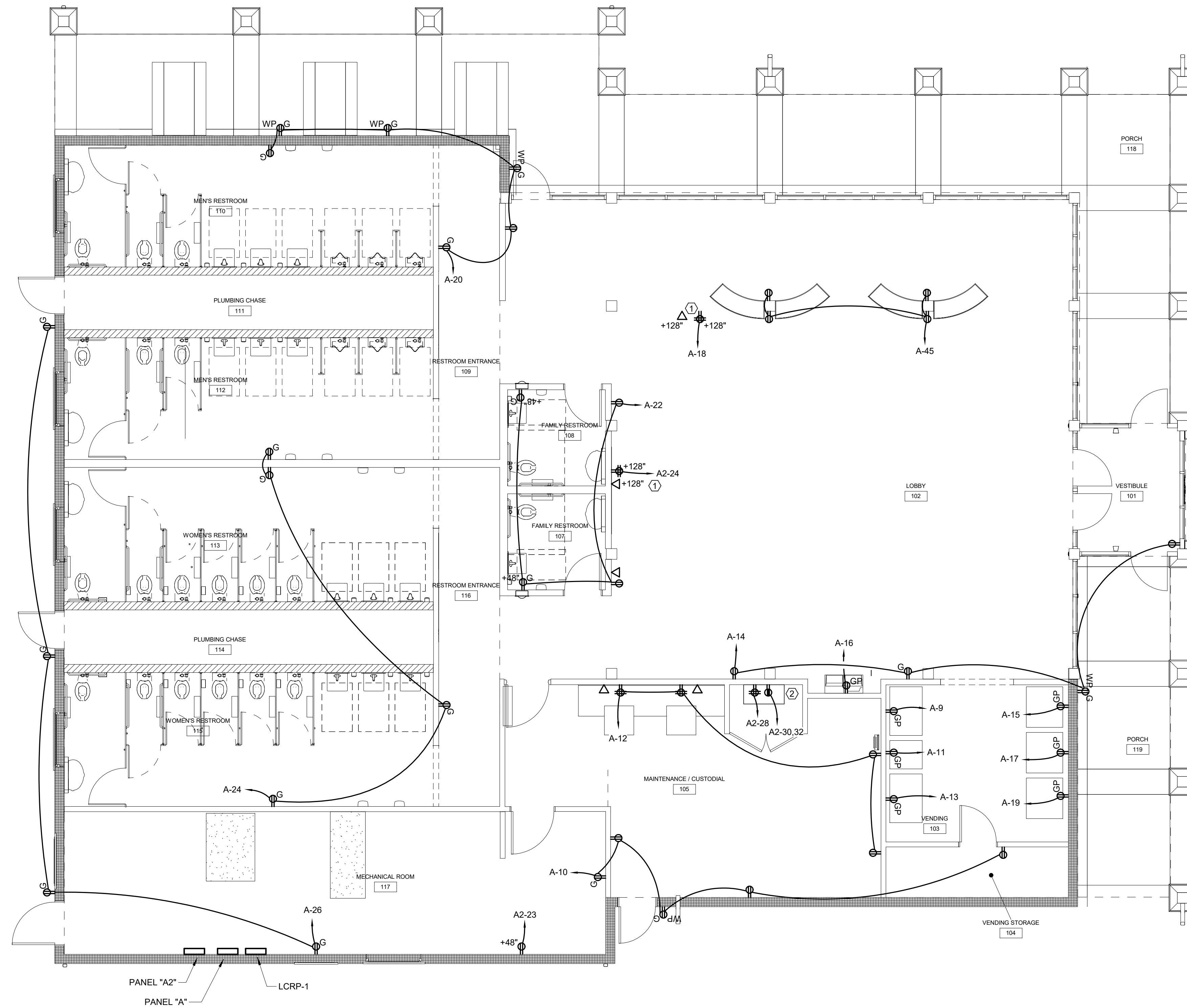
PROJECT NO. 64-12A23-00

SHEET TITLE
FLOOR PLAN - LIGHTING

SHEET **E101**

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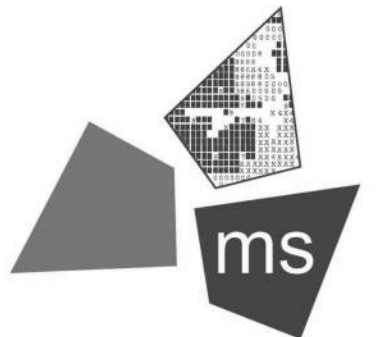
6/29/2021 11:03:09 AM



FLOOR PLAN - POWER
SCALE: 3/16" = 1'-0"

- Hex Notes:**
- ① RECEPTACLE AND DATA OUTLET FOR TELEVISION MONITOR. VERIFY EXACT LOCATION AND MOUNTING PRIOR TO ROUGH-IN SO THAT THE RECEPTACLE AND DATA OUTLET ARE HIDDEN BEHIND THE TELEVISION.
 - ② PROVIDE TRIPP LITE #SR24UB DATA RACK. VERIFY ALL ACCESSORY REQUIREMENTS WITH OWNER PRIOR TO PURCHASE.

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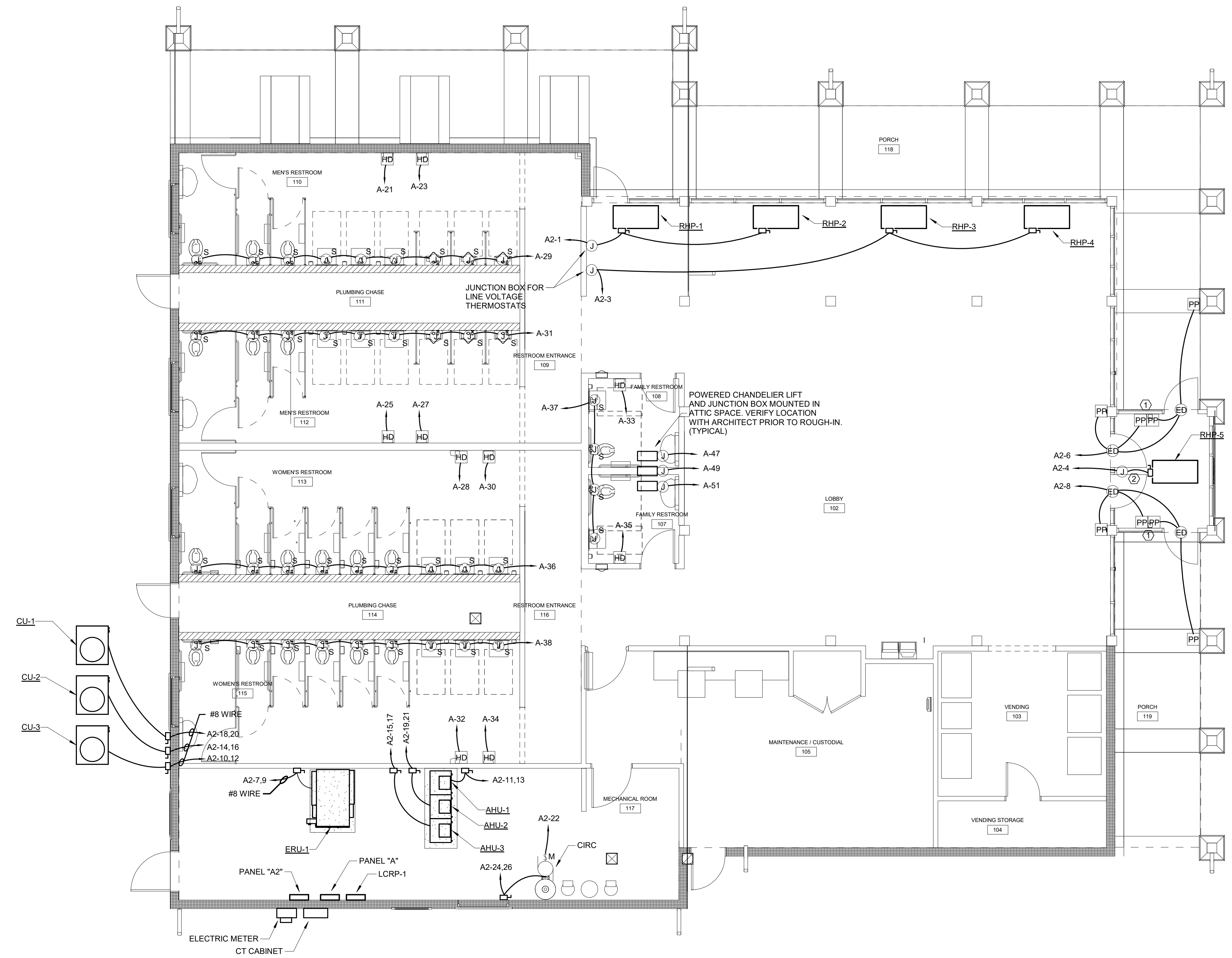
MARIETTA, OHIO 45750
WASHINGTON COUNTY

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PROJECT NO.	64-12A23-00
SHEET TITLE	FLOOR PLAN - POWER
SHEET	E201

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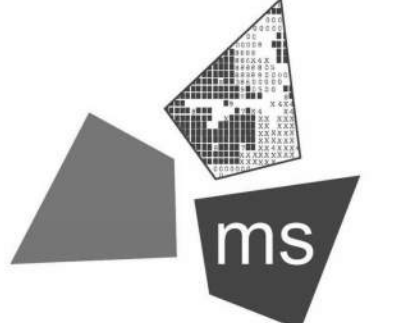
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FLOOR PLAN - SYSTEMS
SCALE: 3/16" = 1'-0"

Hex Notes:
① PUSH PLATE TO BE MOUNTED ON MULLIAN AS DIRECTED.

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REVISION		
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PROJECT

REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45750
WASHINGTON COUNTY

PROJECT NO.

64-12A23-00

SHEET TITLE

FLOOR PLAN - SYSTEMS

SHEET

E301

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SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
\$	HUBBELL #HBL1221-1 SINGLE POLE TOGGLE SWITCH 20A 120-277V
\$ _{LV}	HUBBELL LOW VOLTAGE PUSH BUTTON SWITCH
\$ ₃	HUBBELL #HBL1223-1 3 WAY TOGGLE SWITCH 20A 120-277V
\$ _D	LEVITON 0-10V LED DIMMER WITH MOMENTARY ON/OFF SWITCH
\$ _{D.3}	LEVITON 3-WAY 0-10V DIMMER WITH MOMENTARY ON/OFF SWITCH
\$ _{OS}	HUBBELL #AD2000H DUAL TECHNOLOGY OCCUPANCY SENSOR/WALL SWITCH
\$ _{V.S}	LEVITON #IPV15 DUAL TECHNOLOGY VACANCY SENSOR/WALL SWITCH
\$ _L	ALADDIN LIGHT LIFT WALL MOUNTED SMART CONTROLLER FOR TYPE "D" LIGHTING FIXTURES.
XX	LOW VOLTAGE LCRP OVERRIDE SWITCH
⊙	HUBBELL #HBL5362-I-TR 20A TAMPER RESISTANT DUPLEX RECEPTACLE 125 VOLT WITH BRASS BACK STRAP
⊙	QUANTITY OF 2 HUBBELL #HBL5362-I-TR WITH BRASS BACK STRAP 2-20AMP TAMPER RESISTANT 125VOLT DUPLEX RECEPTACLES INSTALLED IN ONE 4" SQUARE BOX
⊙	HUBBELL 30A, 240 VOLT, 1 PHASE RECEPTACLE
⊙ _{OR} ⊙ _{WP}	HUBBELL #GTRST20-I - WP DENOTES WEATHER PROOF COVER 20 AMP TAMPER RESISTANT GFCI DUPLEX RECEPTACLE
⊙ _{USB}	HUBBELL #USB20A5-I 20A USB TAMPER RESISTANT DUPLEX RECEPTACLE 125 VOLT
⊙ _{GP}	HUBBELL #HBL5352-I 20A DUPLEX RECEPTACLE 125 VOLT WITH BRASS BACK STRAP PROTECTED UPSTREAM BY GFCI CIRCUIT BREAKER OR GFCI OUTLET
△	DATA/TELEPHONE OUTLET - PROVIDE A 4" SQUARE, 1 1/2" DEEP METAL BOX WITH 1 GANG RING. STUB A 1" BUSHED CONDUIT ABOVE ACCESSIBLE CEILING.
HD	HAND DRYER CONNECTION AS REQUIRED.
□	FUSED OR NONFUSED DISCONNECT AS NOTED ON DRAWINGS OR EQUIPMENT SCHEDULE(S).
⊠	FUSIBLE COMBINATION STARTER - SIZE AS NOTED ON DRAWINGS
⊙	JUNCTION BOX - SIZE AS REQUIRED
⊙ _S	SENSOR (ELECTRONIC) FLUSH VALVE CONNECTION. THE SENSOR SHALL BE FLUSH IN THE WALL AND ALL TRANSFORMERS AND WIRING SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING. EXTEND THE LOW VOLTAGE WIRING TO EACH SENSOR CONCEALED.
ET PP	ELECTRIC DOOR OPERATOR AND WALL PUSH PLATE. PROVIDE ALL CONDUIT, WIRING, BACK BOXES, ETC. AS REQUIRED.
\$ _M	MANUAL MOTOR STARTER
📹	CCTV CAMERA - PROVIDE A 4" SQUARE, 1 1/2" DEEP METAL BOX WITH 1 GANG RING. PROVIDE A CAT 6 CABLE FROM THE CAMERA TO THE DATA RACK. TERMINATE CABLING AS DIRECTED. PROVIDE SYSTEM COMPATIBLE CAMERA AND TIE INTO EXISTING SECURITY SYSTEM
OS	HUBBELL #ATD2000CRP SENSOR, #CU300A POWER PACK 24VDC DUAL TECHNOLOGY OCCUPANCY SENSOR
VS	LEVITON #OSC20-MOW, #OPP20-002 POWER PACK, 24VDC DUAL TECHNOLOGY VACANCY SENSOR TIE WALL SWITCH OR DIMMER INTO THE POWER PACK AS REQUIRED FOR MANUAL-ON OPERATION
VS _W	LEVITON #OSW12-MOW, #OPP20-002 POWER PACK, 24VDC DUAL TECHNOLOGY VACANCY SENSOR TIE WALL SWITCH OR DIMMER INTO THE POWER PACK AS REQUIRED FOR MANUAL-ON OPERATION
←	LONG SLASH DENOTES NEUTRAL CONDUCTOR, SHORT SLASH DENOTES PHASE CONDUCTOR AND \ SLASH DENOTES ISOLATED GROUND CONDUCTOR

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURERS AND CATALOG #'S	LAMPS	VOLTS	MOUNTING	REMARKS
A	6" LED RECESSED DOWN LIGHT	LITHONIA #LDN6-35/20-L06-AR-LSS-MVOLT-EZ10 OR APPROVED EQUAL	LED	120	RECESSED	
AE	6" LED RECESSED DOWN LIGHT W/ EMERGENCY DRIVER	LITHONIA #LDN6-35/20-L06-AR-LSS-MVOLT-EZ10-EL OR APPROVED EQUAL	LED	120	RECESSED	
B	4' LED INDUSTRIAL FIXTURE	METALUX #4-SNLED-LD4-49SL-LN-UNV-L835-CD-1-AYC-CHAIN/SET LITHONIA #ZLN-L48-5000LM-MDD-MVOLT-35K-80CRI-WH-HC36 COLUMBIA #LCL-4-35-ML-ED-U-CSHC	LED	120	CHAIN	
BE	4' LED INDUSTRIAL FIXTURE W/ EMERGENCY BALLAST	METALUX #4-SNLED-LD4-49SL-LN-UNV-L835-CD-1-AYC-CHAIN/SET-EL14 LITHONIA #ZLN-L48-5000LM-MDD-MVOLT-35K-80CRI-WH-HC36-BSL722 COLUMBIA #LCL-4-35-ML-ED-U-CSHC-ELL14				
C	LED TRACK LIGHT FIXTURE	JUNO #R606L-35K-80CRI-PDIM-FL-BL OR APPROVED EQUAL	LED	120	TRACK	VERIFY COLOR WITH ARCHITECT
D	DECORATIVE CHANDELIER FIXTURE	ARTCRAFT #AC10004 OR APPROVED EQUAL	(24) E26 MEDIUM BASE 35K LED EDISON 600 LUMEN MINIMUM	120	PENDANT	PROVIDE AN ALADDIN LIGHT LIFT #ALL700-CM POWER OPERATED LOWERING KIT WITH SHORTLIFT CONTROLLER WALL MOUNTED CONTROL FOR EACH FIXTURE.
TR1	10' SURFACE MOUNTED TRACK	JUNO #T-8FT-BL-W/ #T23 CONNECTOR OR APPROVED EQUAL	LED	120	WALL	PROVIDE ALL COMPONENTS AS REQUIRED.
TR2	12' SURFACE MOUNTED TRACK	JUNO #T-12FT-BL OR APPROVED EQUAL	LED	120	WALL	PROVIDE ALL COMPONENTS AS REQUIRED.
S1	6" RECESSED DOWNLIGHT	GOTHAM #EVO-40/30-6AR-MWD-LSS-MVOLT-EZ1 OR EQUAL BY PRESOLITE OR PORTFOLIO	LED	120	RECESSED	
S2	WALL MOUNTED LED FIXTURE	WSRLED-P4-40K-SR3-MVOLT-DBLXD OR EQUAL BY LITHONIA OR PORTFOLIO	LED	120	WALL	VERIFY COLOR WITH ARCHITECT
S3	GROUND MOUNTED FLOOD LIGHT	LITHONIA #OFL1-LED-P1-30K-MVOLT-THK-DBBXD LUMARK #AXCS10A-BK-SFKIT/AXCS-XX	LED	120	GROUND	VERIFY COLOR WITH ARCHITECT
S4	40' POLE MOUNTED LED FIXTURE PROVIDE (4) HORIZONTAL ARMS WITH ROUND POLE ADAPTER	HOLOPHANE #HMLED3-PK1-30K-MVOLT-HBK-AW OR EQUAL BY LITHONIA OR PORTFOLIO VERIFY PERFORMANCE WITH ENGINEER	LED	120	POLE	POLE LITHONIA #RTS-39-9-OF-DM49-VD-TP PROVIDE FULL BASE COVER OR EQUAL BY MCGRAW EDISON OR BEACON VERIFY COLOR SELECTION WITH ARCHITECT.
⊙	LED EXIT FIXTURE	SURE-LITES #LPX-60-R-WH LITHONIA #LHQM-LED-R-HO DUAL LITE #LXURW	INCLUDED	120	UNIVERSAL	SHADED PORTION DENOTES ORIENTATION. PROVIDE (2) FACE WHERE SHOWN OR REQUIRED. WALL MOUNT WHERE POSSIBLE.
⊙	LED EXIT FIXTURE WITH HEADS	LITHONIA #LHQM-LED-R-HO OR APPROVED EQUAL	INCLUDED	120	UNIVERSAL	SHADED PORTION DENOTES ORIENTATION. PROVIDE (2) FACE WHERE SHOWN OR REQUIRED. WALL MOUNT WHERE POSSIBLE.
⊙	2 HEAD EMERGENCY LIGHT	LITHONIA #ELM4L OR APPROVED EQUAL	INCLUDED	120	UNIVERSAL	
⊙	REMOTE EM HEAD - WEATHERPROOF	LITHONIA #ELA-T-QWP-L0309 OR APPROVED EQUAL	INCLUDED	120	UNIVERSAL	

MECHANICAL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	HP	KVA	VOLTAGE/ϕ	STARTER	COMBO STARTER AT LOAD	SAFETY SWITCH AT LOAD	NOTES
AHU-1	AIR HANDLING UNIT	3/4		240/1	N/A	N/A	30A 2P SW 15A FUSE	2,3
AHU-2	AIR HANDLING UNIT	3/4		240/1			30A 2P SW 15A FUSE	2,3
AHU-3	AIR HANDLING UNIT	3/4		240/1			30A 2P SW 15A FUSE	2,3
CU-1	CONDENSING UNIT		10.5	240/1			60A 2P SW 3R 50A FUSE	1,3
CU-2	CONDENSING UNIT		10.5	240/1			60A 2P SW 3R 50A FUSE	1,3
CU-3	CONDENSING UNIT		10.5	240/1			60A 2P SW 3R 50A FUSE	1,3
ERU-1	ENERGY RECOVERY UNIT	(2) 2.0		240/1			30A 2P SW 30A FUSE	2,3
HWH	ELECTRIC WATER HEATER		(2) 3.0	240/1			60A 2P SW 35A FUSE	2,3
RHP-1-5	RADIANT HEAT PANEL		.75	120/1			30A 2P SW 10A FUSE	2,3
CIRC	CIRCULATING PUMP	FRAC.		120/1	N/A	N/A	MANUAL STARTER	2,5

MECHANICAL EQUIPMENT SCHEDULE NOTES:

- MAKE FIELD CONNECTIONS WITH LIQUIDTITE, SEALTITE AND FITTINGS.
SIZE AS NOTED OR REQUIRED.
- MAKE FIELD CONNECTIONS WITH GREENFIELD FLEX AND FITTINGS.
SIZE AS NOTED OR REQUIRED.
- FURNISH AND INSTALL SAFETY SWITCH AND FUSE AS NOTED AND
PROVIDE SUPPORTS AS REQUIRED.
- FURNISH AND INSTALL COMBINATION FUSIBLE STARTER AND FUSE AS
NOTED AND PROVIDE SUPPORTS AS REQUIRED. STARTERS SHALL HAVE
(2) NORMALLY OPEN AND (2) NORMALLY CLOSED AUXILIARY CONTACTS
AND H-O-A SELECTOR AND CPT.
- FURNISH AND INSTALL MANUAL MOTOR STARTER.
- CONNECT TO LOCAL LIGHTING CIRCUIT AND SWITCH WITH ROOM
LIGHTING.
- PROVIDE 120VOLT CIRCUIT FOR HUMIDIFIER AND AIR CLEANER AND
CONNECT AS REQUIRED.
- PROVIDE DUCT SMOKE DETECTORS IN THE SUPPLY AND RETURN
AIR DUCT SYSTEMS. VERIFY QUANTITY WITH DUCT ARRANGEMENT.
PROVIDE TEST SWITCH AND FAN SHUT DOWN WIRING.

DRAWN BY G.JL

CHECKED BY APPROVED BY TJC

ISSUE DATE 06/18/21

REVISION		
#	DATE	DESCRIPTION
2/8/21	SD	SUBMISSION
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PROJECT REST AREA BUILDING REPLACEMENT

MARIETTA, OHIO 45760 WASHINGTON COUNTY

NOT FOR CONSTRUCTION

PROJECT NO. 64-12A23-00

SHEET TITLE SYMBOLS AND SCHEDULES

SHEET E401

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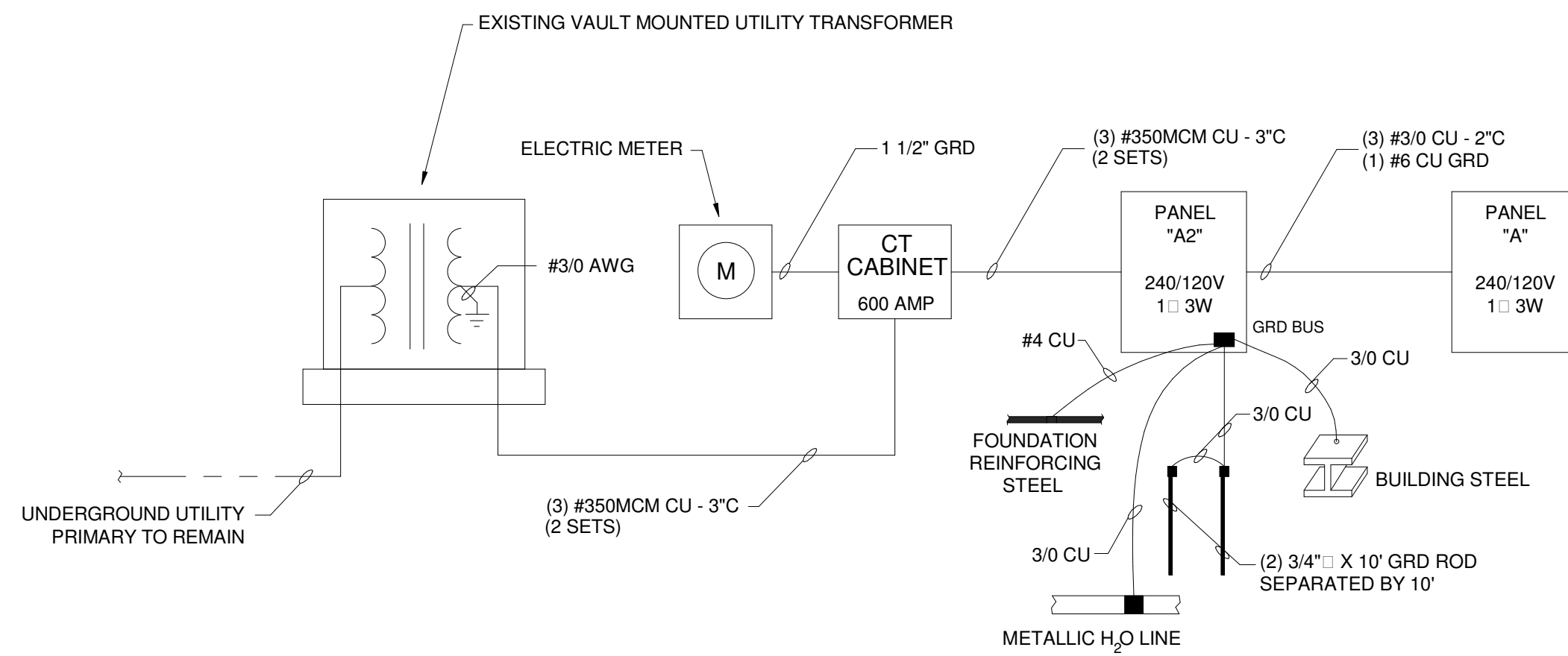
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CHECKED BY APPROVED BY T.J.C

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#	DATE	DESCRIPTION
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4/21/21	DD	SUBMISSION
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7/2/21	CD	SUBMISSION



ONE LINE POWER RISER DIAGRAM

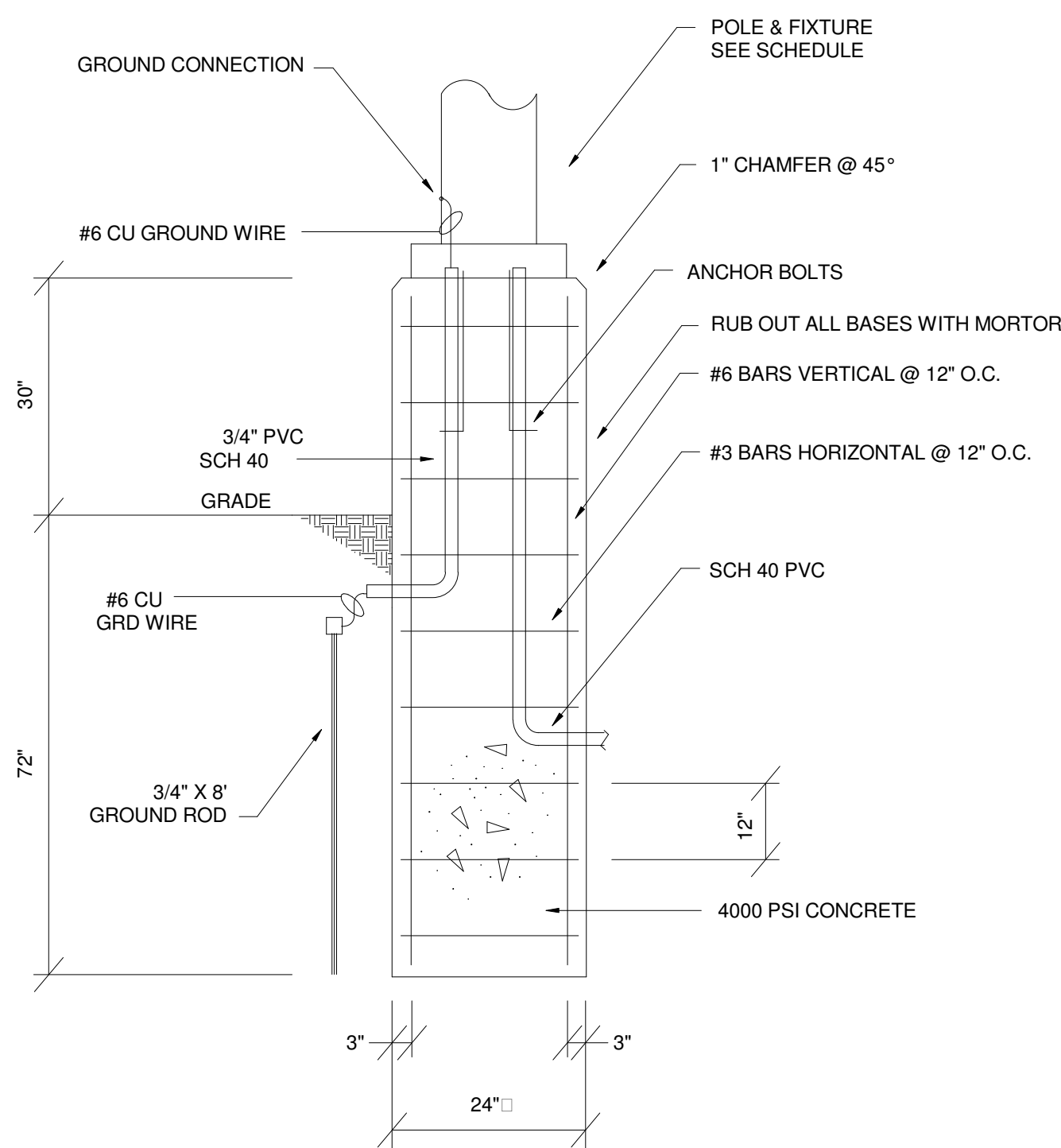
N.T.S.

PANEL "A"													
	225	AMP	MLO	1	PH	3	W	240/120	VOLT	22K	AIC	SURFACE	MTD
DESCRIPTION	CIR NO	LOAD	C.B. AMP										
LTG LOBBY 102	1	221	20						321	2			LTG LOBBY 102
LTG ROOM 104, 105, 117	3	416	20						292	4			LTG RESTROOM 105,107
LTG RESTROOM 111,112,115,115	5	900	20						540	6			LTG LOBBY 102, RR 109, 116
LTG VESTIBULE 101	7	120	20						428	8			LTG PORCH 118, 119
* RECEPT VENDING 103	9	1000	20						900	10			RECEPT MAINT. 105
* RECEPT VENDING 103	11	1000	20						720	12			RECEPT MAINT. 105
* RECEPT VENDING 103	13	1000	20						720	14			RECEPT LOBBY 102
* RECEPT VENDING 103	15	1000	20						500	16			WATER COOLER
* RECEPT VENDING 103	17	1000	20						540	18			RECEPT LOBBY 102
* RECEPT VENDING 103	19	1000	20						1080	20			RECEPT EXTERIOR, RR 110
HAND DRYERS RM 110	21	500	20						720	22			RECEPT LOBBY 102, RR 107, 108
HAND DRYERS RM 110	23	500	20						720	24			RECEPT RR 113, 115
HAND DRYERS RM 112	25	500	20						1080	26			RECEPT RM 111, 114, 117, EXT.
HAND DRYERS RM 112	27	500	20						500	28			HAND DRYERS RM 113
SENSOR FAUCETS RM 110	29	500	20						500	30			HAND DRYERS RM 113
SENSOR FAUCETS RM 112	31	500	20						500	32			HAND DRYERS RM 115
HAND DRYERS RR 108	33	500	20						500	34			HAND DRYERS RM 115
HAND DRYERS RR 107	35	500	20						500	36			SENSOR FAUCETS RM 113
SENSOR FAUCETS RR 107, 108	37	150	20						500	38			SENSOR FAUCETS RM 115
LCRP	39	500	20						800	40			SITE LIGHTING
LTG EXTERIOR	41	244	20						150	42			SITE LIGHTING
LTG LOBBY 102	43	750	20						360	44			RECEPT LOBBY 102
RECEPT LOBBY 102	45	720	20						360	46			RECEPT LOBBY 102
PARKING LOT LIGHTING	47	2150	20						2150	48			PARKING LOT LIGHTING
PARKING LOT LIGHTING	49	2150	20						2150	50			PARKING LOT LIGHTING
PARKING LOT LIGHTING	51	2150	20						2150	52			PARKING LOT LIGHTING
SPARE	53	2150	20						2150	54			SPARE
SPARE	55	20	20						56				SPARE
SPARE	57	20	20						58				SPARE
SPARE	59	20	20						60				SPARE

NOTES:
 PANELS SHALL BE SINGLE TUB CONSTRUCTION
 * - DENOTES GFCI CIRCUIT BREAKER. LOAD: 101 AMPS

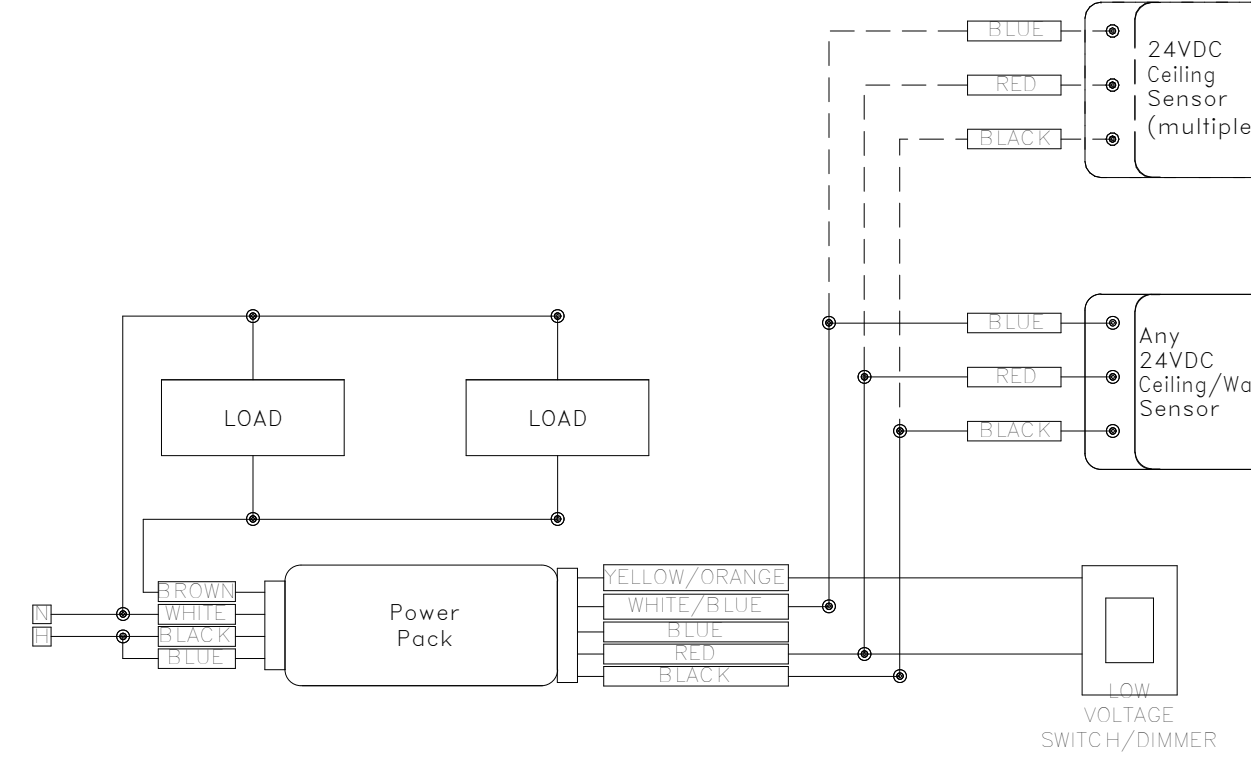
PANEL "A2"													
	600	AMP	MLO	1	PH	3	W	240/120	VOLT	30K	AIC	SURFACE	MTD
DESCRIPTION	CIR NO	LOAD	C.B. AMP										
RHP-1,2	1	1500	20						20				2 SPARE
RHP-3,4	3	1500	20						750	4			RHP-5
SPARE	5		20						450	6			ELECTRIC DOORS
ERU-1	7	2916	35						450	8			ELECTRIC DOORS
AHU-1	9	2916	45						3150	10			HP-1
AHU-1	11	1632	15						3150	12			HP-2
AHU-1	13	1632	45						3150	14			HP-2
AHU-2	15	1632	15						3150	16			HP-2
AHU-2	17	1632	45						3150	18			HP-3
AHU-3	19	1632	15						3150	20			HP-3
AHU-3	21	1632	20						200	22			CIRC
RECEP WATER SOFTENER	23	500	20						3000	24			HWH
SPARE	25		20						3000	26			RECEPT TECH CLOSET
RECEPT TECH CLOSET	27		20						1000	28			RECEPT TECH CLOSET
RECEPT TECH CLOSET	29		20						1000	30			RECEPT TECH CLOSET
RECEPT TECH CLOSET	31		20						1000	32			RECEPT TECH CLOSET
SPARE	33		20							34			SPARE
SPARE	35		20							36			SPARE
SPARE	37		20							38			SPARE
SPARE	39		20							40			SPARE
SPARE	41		20							42			SPARE
SPARE	43		20							44			SPARE
SPARE	45		20							46			SPARE
SPARE	47		100							48			SPARE
PANEL "A"	49		20							50			SPARE
PANEL "A"	51		200							52			SPARE
PANEL "A"	53		20							54			SPARE

NOTES:
 PANELS SHALL BE SINGLE TUB CONSTRUCTION
 LOAD: 303 AMPS



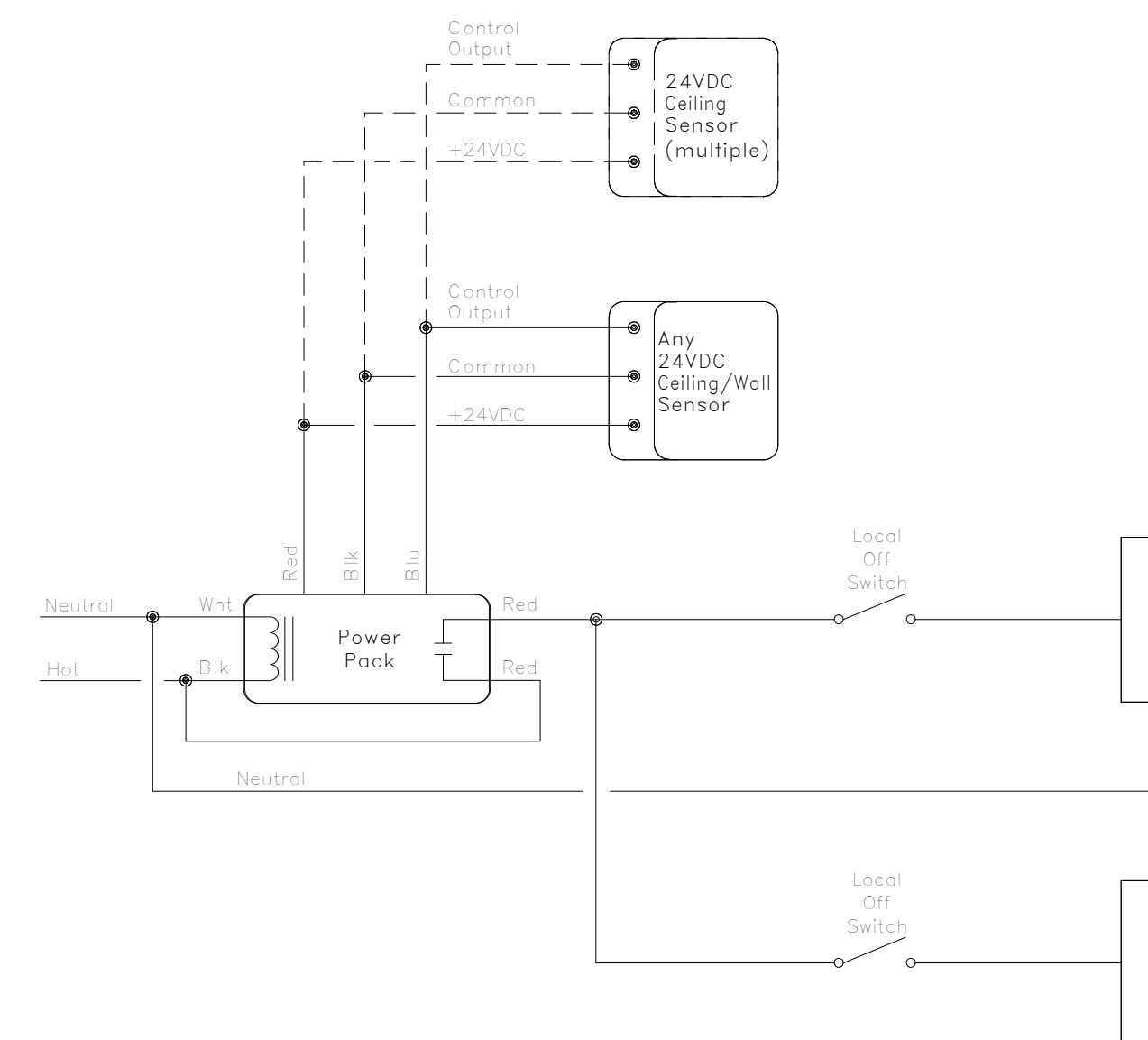
FIXTURE BASE

N.T.S.



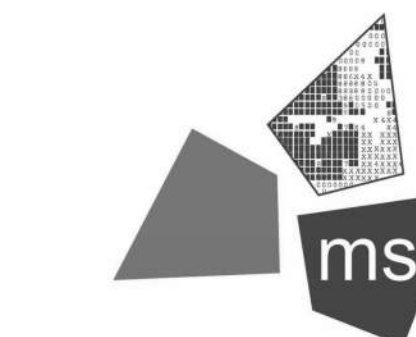
VACANCY SENSOR WIRING DIAGRAM

N.T.S.



OCCUPANCY SENSOR WIRING DIAGRAM

N.T.S.



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PROJECT
REST AREA BUILDING REPLACEMENT

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NOT FOR CONSTRUCTION

PROJECT NO. 64-12A23-00

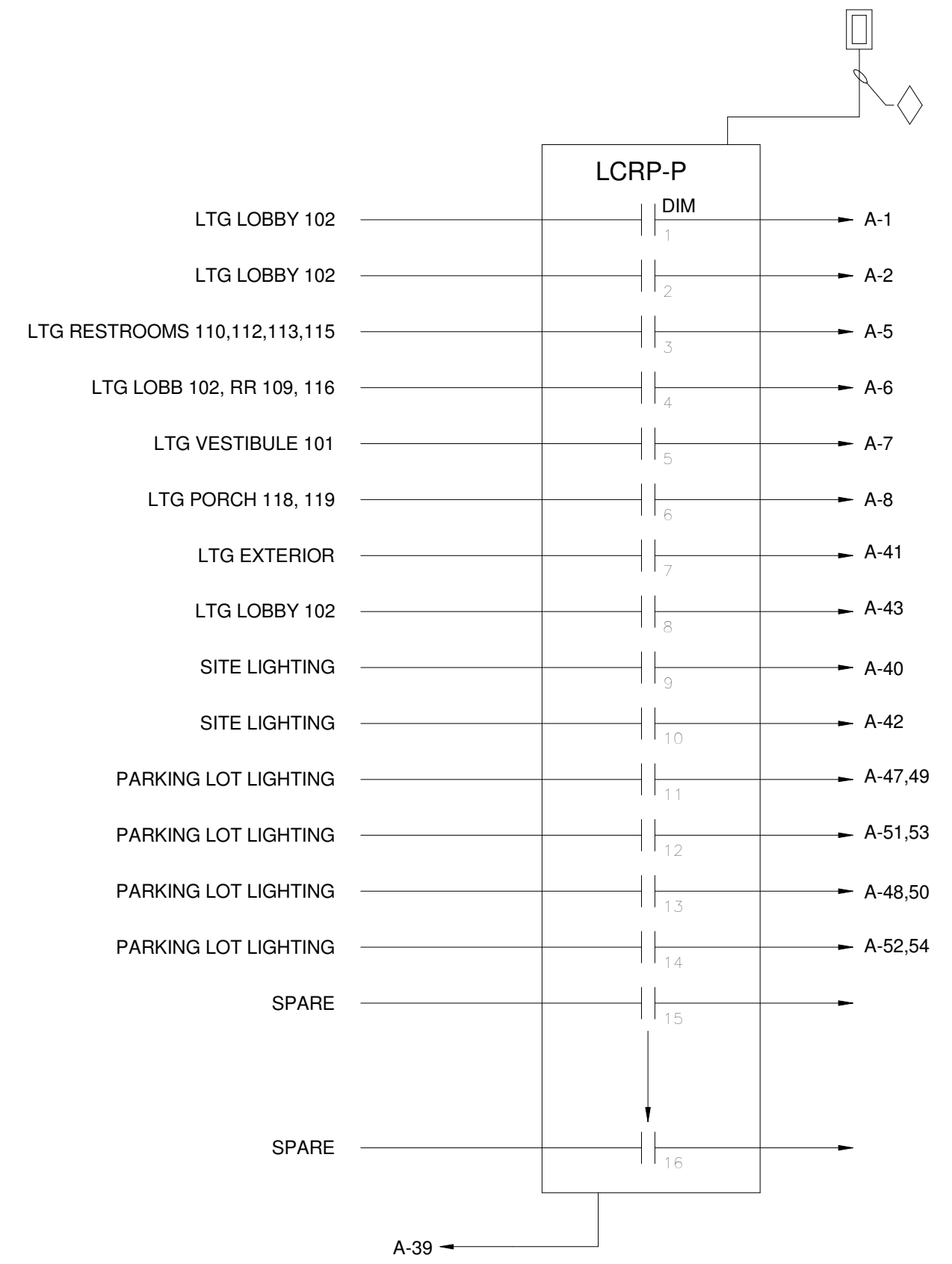
SHEET TITLE
 DETAILS AND SCHEDULES

SHEET

E402

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6/28/2021 9:54:09 AM



"LCRP-1" WIRING DIAGRAM
N.T.S.

NOTES:

- ① 4-CONDUCTOR DATA COMMUNICATIONS CABLE, PLENUM RATED, IN CONDUIT, PER MANUFACTURER'S RECOMMENDATIONS.
- ② GLOBAL DATA LINE, 4-CONDUCTOR DATA COMMUNICATIONS CABLE, PLENUM RATED, IN CONDUIT, PER MANUFACTURER'S RECOMMENDATIONS.
- ③ RELAY PANEL WITH PHOTOCELL, PHOTOCELL MODULE, AND NETWORK CLOCK/PROGRAMMER.
- ④ - DENOTES DATALINE LIGHTING INTEGRATOR SWITCH.

NOTES:

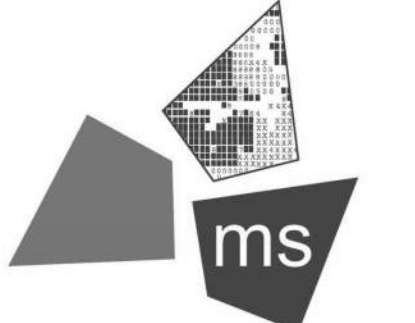
1. THIS RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. THE SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS. EXACT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH THE SYSTEM SUPPLIER. SUBMITTAL SHALL INCLUDE:
A) RELAY PANEL SCHEDULES INDICATING CIRCUIT AND AREA SERVED.
B) LAYOUT OF EACH LIGHTING CONTROL STATION AND SUGGESTED OPERATION OF BUTTON FUNCTION.
2. SYSTEM SUPPLIER SHALL SUPERVISE INSTALLATION, PROGRAM AND TEST SYSTEM, AND INSTRUCT OWNER ON SYSTEM OPERATION. ALL PROGRAMMING SHALL BE APPROVED AND COORDINATED WITH THE OWNER.
3. PROGRAM ALL INTERIOR LIGHTING CIRCUITS VIA CONTROL STATION (WITH OVERRIDE) AND TIME CLOCK.
4. PROGRAM ALL EXTERIOR LIGHTING CIRCUITS VIA SITE LIGHTING PHOTOCELL AND TIME CLOCK.
5. PROVIDE MULTIPLE COMMISSIONING BY THE MANUFACTURER AS VARIOUS PHASES OF THE PROJECT ARE COMPLETE.
6. FOR SWITCH LOCATIONS, PROVIDE LIGHTING INTEGRATOR DATALINE SWITCHES WITH NECESSARY QUANTITY OF BUTTONS, MASTER BUTTON AND OVERRIDE BUTTON AS REQUIRED AT EACH LOCATION.

DRAWN BY G.J.L.

CHECKED BY APPROVED BY T.J.C.

ISSUE DATE 06/18/21

REVISION		
#	DATE	DESCRIPTION
2/8/21	SD SUBMISSION	
4/7/21	DD PROGRESS	
4/21/21	DD SUBMISSION	
6/18/21	CD PROGRESS	
7/2/21	CD SUBMISSION	



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CONSULTING



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YOUNGSTOWN, OHIO 44509



CLIENT
PROJECT
REST AREA BUILDING REPLACEMENT
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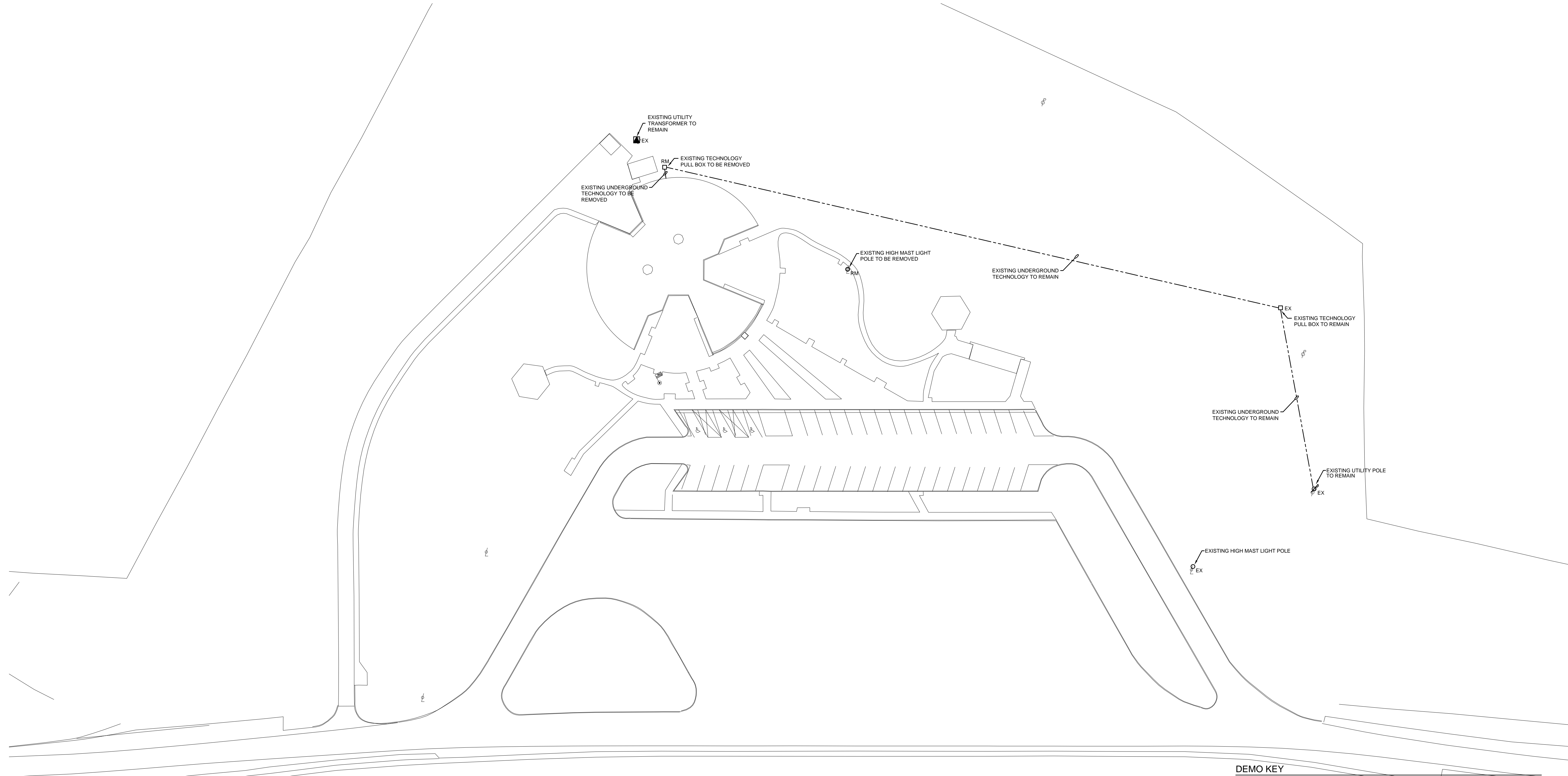
PROJECT NO. 64-12A23-00

SHEET TITLE DETAILS

SHEET **E403**

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4/6/2021 3:03:46 PM



ELECTRICAL SITE PLAN - DEMOLITION
 SCALE: 1" = 30'-0"

DEMO KEY

- RM - REMOVE DEVICE OR FIXTURE. PATCH TO MATCH AS REQUIRED.
- RP - REPLACE DEVICE OR FIXTURE.
- RI - REMOVE DEVICE OR FIXTURE AND REINSTALL. EXTEND/REPLACE/REROUTE WIRING AS NECESSARY.
- EX - EXISTING DEVICE OR FIXTURE TO REMAIN. REWIRE AS SHOWN OR REQUIRED. RELAMP EXISTING FIXTURES. PROVIDE NEW BALLASTS AS REQUIRED.

NOTE:

1. THIS DEMOLITION PLAN IS FOR GENERAL INFORMATION OF EXISTING DEVICES AND EQUIPMENT AND IS NOT INTENDED TO BE TOTALLY INCLUSIVE OF ALL DEMOLITION REQUIRED. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DEMOLITION REQUIRED. THIS PLAN IS NOT A RECORD DRAWING AND SHALL BE CONSIDERED A GENERAL SCOPE OF THE DEMOLITION REQUIRED. THE CONTRACTOR WILL BE RESPONSIBLE TO DEMOLISH ALL ITEMS NECESSARY FOR THE NEW WORK (ALL TRADES) TO BE PERFORMED PROPERLY, AND THE CONTRACTOR WILL BE RESPONSIBLE TO RELOCATE ALL ELECTRICAL, TELEPHONE, CATV, ETC. WIRING THAT IS TO REMAIN ACTIVE. THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY INSPECT THE CURRENT FIELD CONDITIONS AT THE PROJECT SITE.
2. NO DEMOLITION THAT WILL AFFECT THE OWNER'S USE OF NEARBY OCCUPIED SPACES WILL BE PERMITTED WITHOUT FIRST SECURING THE OWNER'S AUTHORIZATION.
3. NO ATTEMPT HAS BEEN MADE TO SHOW THE EXTENT OF ARCHITECTURAL/MECHANICAL/GENERAL DEMOLITION WORK ON THE ELECTRICAL DRAWINGS. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH DETAILS.
4. THE CONTRACTOR IS RESPONSIBLE TO DISPOSE OF THE EXISTING LIGHTING FIXTURES, BALLAST AND LAMPS IN A LEGAL MANNER IN STRICT ACCORDANCE WITH THE EPA DIRECTIVE. THE CONTRACTOR SHALL PAY ALL EXPENSES ASSOCIATED WITH THE DISPOSAL.

DRAWN BY	GJL	
CHECKED BY	TJC	
APPROVED BY		
ISSUE DATE	04-07-2021	
REVISION		
#	DATE	DESCRIPTION
2/8/21		SD PROGRESS
4/7/21		DD PROGRESS
4/21/21		DD SUBMISSION
6/18/21		CD PROGRESS
7/02/21		CD SUBMISSION



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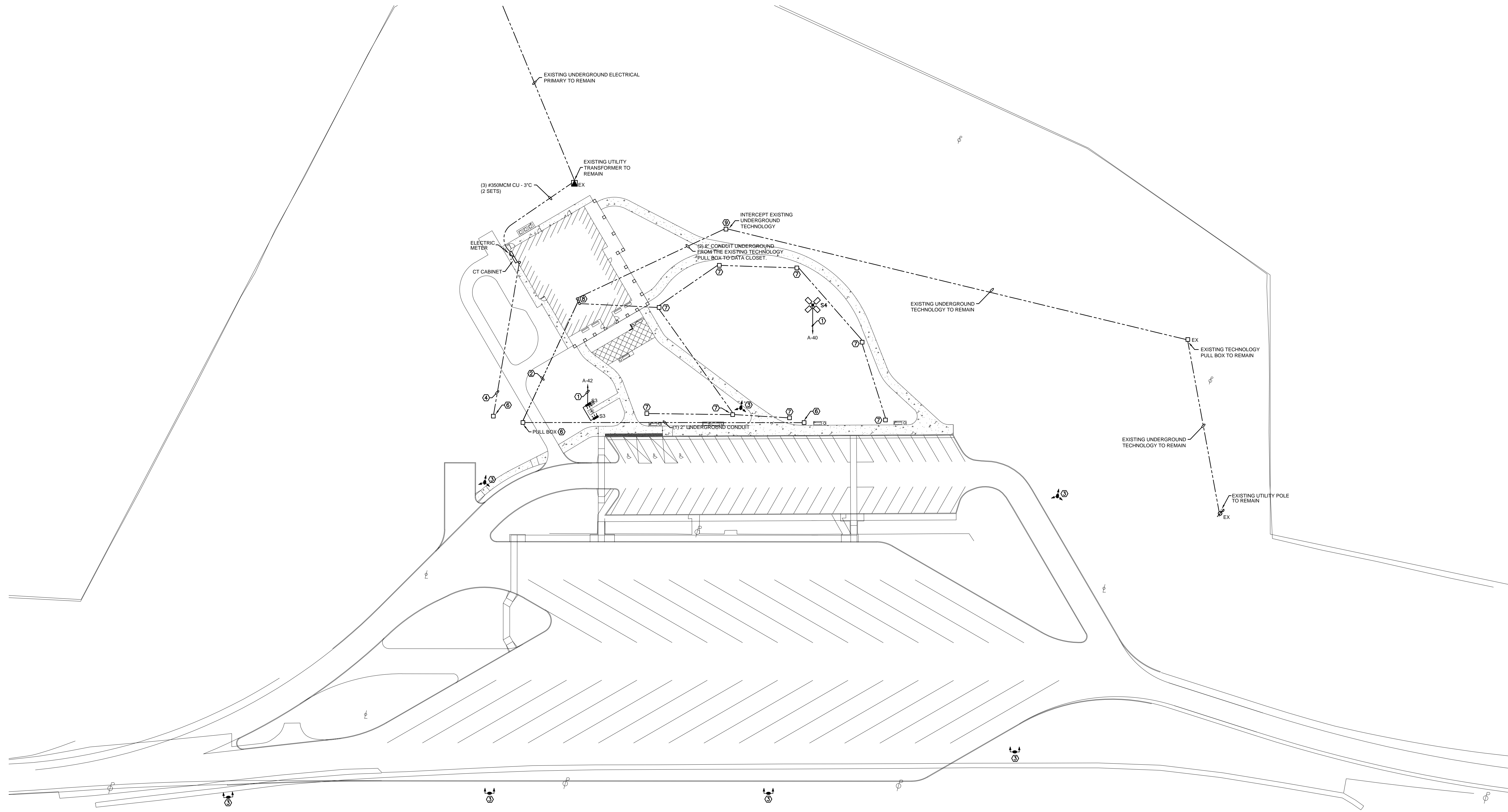
PROJECT REST AREA BUILDING REPLACEMENT
 CLIENT
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PROJECT NO.	64-12A23-00
SHEET TITLE	ELECTRICAL DEMOLITION SITE PLAN
SHEET	ES100

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4/6/2021 3:03:46 PM



NOTES

- ① ROUTE THROUGH LIGHTING CONTROL RELAY PANEL.
- ② PROVIDE (1) 2" CONDUIT FROM THE DATA CLOSET TO THE PULL BOX SHOWN CAMERA CABLING.
- ③ SIGHT LIGHTING FURNISHED AND INSTALLED BY OTHERS.
- ④ PROVIDE (6) #4 AWG IN (1) 1 1/2" CONDUIT FROM LCRP-1 TO THE IN GRADE QUAZITE JUNCTION BOX AS SHOWN FOR FUTURE PARKING LOT LIGHTING CONNECTION.
- ⑤ PROVIDE (3) #350 MCM CU WITH (1) #4 GRD IN (1) 3" CONDUIT FROM PANEL "A2" IN MECHANICAL ROOM 117 TO THE EXISTING WASTE WATER TREATMENT PLANT.
- ⑥ PULL BOXES FURNISHED AND INSTALLED BY OTHERS.
- ⑦ APPROXIMATE LOCATION OF SITE SPEAKERS. VERIFY FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE (1) 1" UNDERGROUND CONDUIT BETWEEN LOCATIONS.
- ⑧ APPROXIMATE LOCATION OF DATA OFFICE IN THE MAINTENANCE OFFICE.
- ⑨ PROVIDE A QUAZITE OR EQUAL HAND HOLE TO BE 18" WIDE X 18" LENGTH X 24" DEEP - TYPE "PG" ENCLOSURE WITH TRAFFIC RATED COVER. PROVIDE A DRAIN MOUNTED IN BOTTOM OF PULL BOX TIE INTO SANITARY. SEE CIVIL DRAWINGS FOR DETAILS.



ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

SITE NOTES:

1. ALL CONDUITS SHALL BE 1 1/4" PVC 40 MINIMUM WITH A MINIMUM BURIAL DEPTH OF 36" BELOW SUBGRADE AND SHALL HAVE A 6" PREMIUM SAND FILL ENVELOPE. WIRE SIZE SHALL BE #6 AWG MINIMUM UNLESS NOTED OTHERWISE.
2. PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.
3. CONTRACTOR SHALL COORDINATE UNDERGROUND CONDUIT ROUTING AND UTILITY TIE-IN LOCATION WITH THE UTILITY COMPANY PRIOR TO CONDUIT INSTALLATION.

DRAWN BY	GJL	
CHECKED BY	TJC	
ISSUE DATE	04-07-2021	
REVISION		
#	DATE	DESCRIPTION
2/8/21		SD PROGRESS
4/7/21		DD PROGRESS
4/21/21		DD SUBMISSION
6/18/21		CD PROGRESS
7/02/21		CD SUBMISSION



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PROJECT REST AREA BUILDING REPLACEMENT
 CLIENT STATE OF OHIO DEPARTMENT OF TRANSPORTATION
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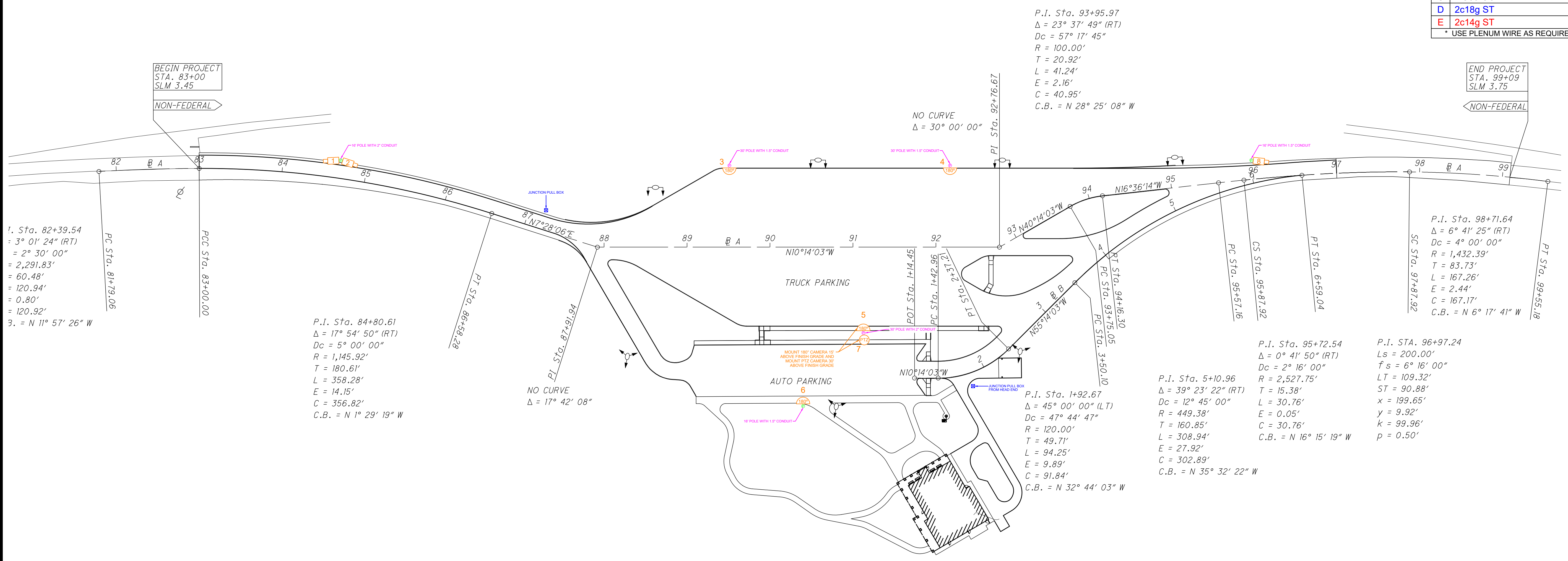
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PROJECT NO.	64-12A23-00
SHEET TITLE	ELECTRICAL SITE PLAN
SHEET	ES200

ODOT MARIETTA REST AREA

LEGEND	
	FIXED CAMERA
	FIXED DOME CAMERA
	PAN-TILT-ZOOM DOME CAMERA
	360° CAMERA
	180° CAMERA
	HEAD END LOCATION
	NETWORK SWITCH
	NETWORK VIDEO RECORDER
	INTERMEDIATE OR MAIN DISTRIBUTION FRAME
	30' POLE
	16' POLE
WIRING LEGEND	
A	SIAMESE CABLE: RG59 COAX / 2c18G ST
B	RG6 COAX
C	RG59 COAX
D	2c18g ST
E	2c14g ST
* USE PLENUM WIRE AS REQUIRED *	

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DRAWN BY	DAN JONES	04/30/21
REVIEW BY	WENDY BRODEUR	04/30/21
FINAL REVIEW BY	BRAD PURTEE	04/30/21
	INSERT NAME HERE	DATE



VIDEO SURVEILLANCE SYSTEM

NO.	REVISION/ISSUE	DATE
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OHIO DEPARTMENT OF TRANSPORTATION: MARIETTA REST AREA
 WASHINGTON COUNTY
 MARIETTA, OH 45750

- GENERAL NOTES:**
- ALL CAMERA POLES WILL NEED A BURY BOX INSTALLED AT EACH LOCATION.
 - MAXIMUM CABLE DISTANCE SHALL NOT EXCEED 2500'.
 - JUNCTION PULL BOXES TO BE INSTALLED EVERY 400' OF CONDUIT RUNS.

CAMERA SCHEDULE				
CAMERA #	MODEL #	INTERIOR/EXTERIOR	IP ADDRESS	MAC ADDRESS
1	Q1700-LE	EXTERIOR (POLE MOUNT)		
2	Q1700-LE	EXTERIOR (POLE MOUNT)		
3	Q3709-PVE	EXTERIOR (POLE MOUNT)		
4	Q3709-PVE	EXTERIOR (POLE MOUNT)		
5	Q3709-PVE	EXTERIOR (POLE MOUNT)		
6	Q3709-PVE	EXTERIOR (POLE MOUNT)		
7	Q6128-E	EXTERIOR (POLE MOUNT)		
8	Q1700-LE	EXTERIOR (POLE MOUNT)		
9	P3367-VE	EXTERIOR		
10	P3367-VE	EXTERIOR		
11	P3367-VE	EXTERIOR		
12	P3367-VE	EXTERIOR		
13	P3367-VE	EXTERIOR		
14	P3367-VE	EXTERIOR		
15	P3367-VE	EXTERIOR		
16	P3228-LV	INTERIOR		
17	P3228-LV	INTERIOR		
18	P3245-LV	INTERIOR		
19	P3245-LV	INTERIOR		
20	P3228-LV	INTERIOR		

SITE PLAN
 SCALE: 1/64" = 1'-0"

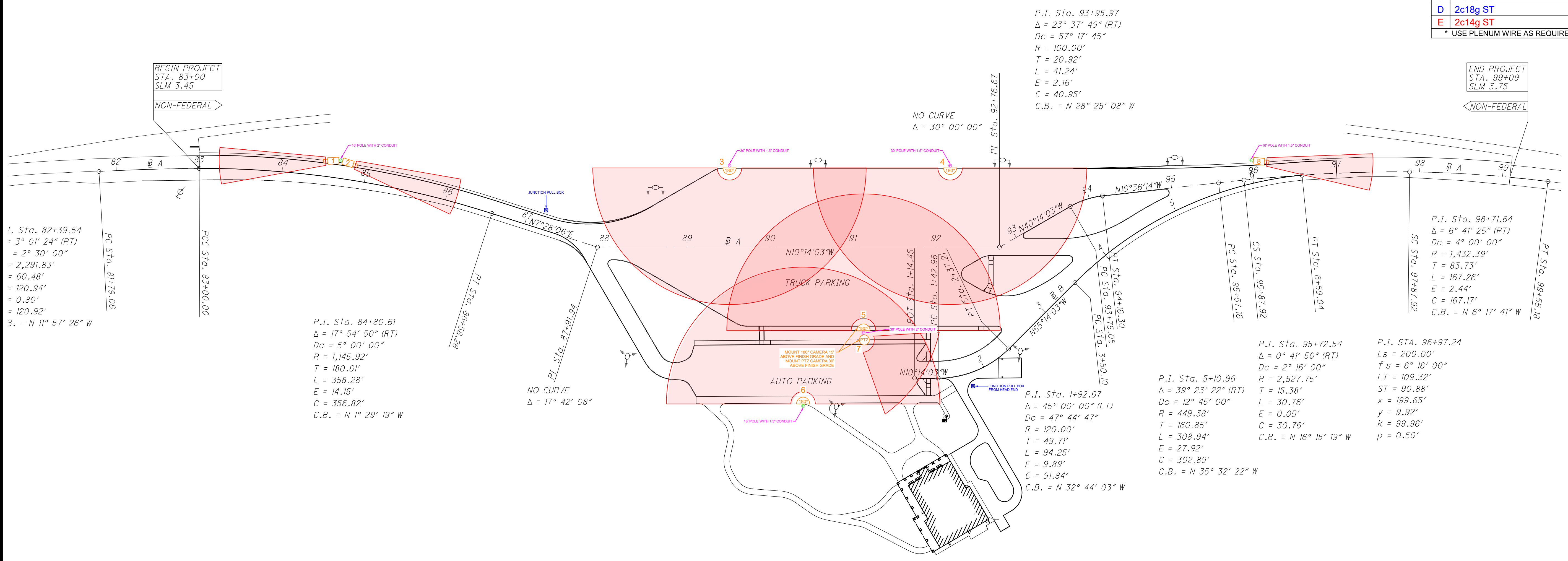
PROJECT	SHEET
XXXXX	VS001
DATE CREATED	
03/04/2021	
SCALE	1 OF 4
1/64" = 1'-0"	

ODOT MARIETTA REST AREA

LEGEND	
	FIXED CAMERA
	FIXED DOME CAMERA
	PAN-TILT-ZOOM DOME CAMERA
	360° CAMERA
	180° CAMERA
	HEAD END LOCATION
	NETWORK SWITCH
	NETWORK VIDEO RECORDER
	INTERMEDIATE OR MAIN DISTRIBUTION FRAME
	30' POLE
	16' POLE

WIRING LEGEND	
A	SIAMESE CABLE: RG59 COAX / 2c18G ST
B	RG6 COAX
C	RG59 COAX
D	2c18g ST
E	2c14g ST
* USE PLENUM WIRE AS REQUIRED *	

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FINAL REVIEW BY	BRAD PURTEE	04/30/21
INSERT NAME HERE		DATE



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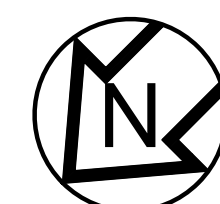
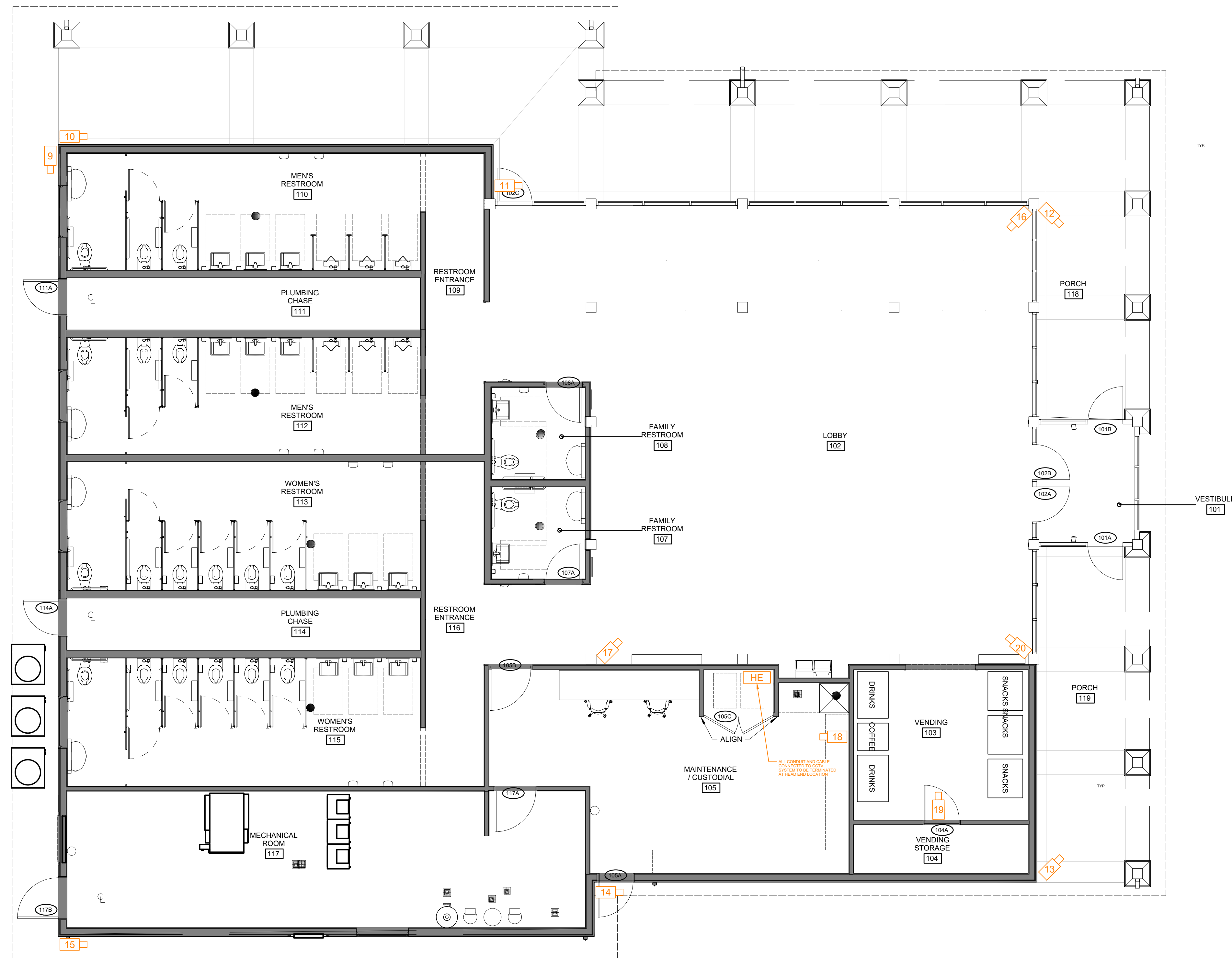
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CAMERA SCHEDULE				
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5	Q3709-PVE	EXTERIOR (POLE MOUNT)		
6	Q3709-PVE	EXTERIOR (POLE MOUNT)		
7	Q6128-E	EXTERIOR (POLE MOUNT)		
8	Q1700-LE	EXTERIOR (POLE MOUNT)		
9	P3367-VE	EXTERIOR		
10	P3367-VE	EXTERIOR		
11	P3367-VE	EXTERIOR		
12	P3367-VE	EXTERIOR		
13	P3367-VE	EXTERIOR		
14	P3367-VE	EXTERIOR		
15	P3367-VE	EXTERIOR		
16	P3228-LV	INTERIOR		
17	P3228-LV	INTERIOR		
18	P3245-LV	INTERIOR		
19	P3245-LV	INTERIOR		
20	P3228-LV	INTERIOR		

SITE PLAN
 SCALE: 1/64" = 1'-0"

OHIO DEPARTMENT OF TRANSPORTATION: MARIETTA REST AREA WASHINGTON COUNTY MARIETTA, OH 45750	
PROJECT	XXXXX
DATE CREATED	03/04/2021
SCALE	1/64" = 1'-0"
SHEET	VS002
	2 OF 4

ODOT MARIETTA REST AREA



FLOOR PLAN
SCALE: 3/16" = 1'-0"

LEGEND	
	FIXED CAMERA
	FIXED DOME CAMERA
	PAN-TILT-ZOOM DOME CAMERA
	360° CAMERA
	180° CAMERA
	HEAD END LOCATION
	NETWORK SWITCH
	NETWORK VIDEO RECORDER
	INTERMEDIATE OR MAIN DISTRIBUTION FRAME
	30' POLE
	16' POLE

WIRING LEGEND	
A	SIAMESE CABLE: RG59 COAX / 2c18G ST
B	RG6 COAX
C	RG59 COAX
D	2c18g ST
E	2c14g ST

* USE PLENUM WIRE AS REQUIRED *

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REVIEW BY	WENDY BRODEUR	04/30/21
FINAL REVIEW BY	BRAD PURTEE	04/30/21
	INSERT NAME HERE	DATE

VIDEO SURVEILLANCE SYSTEM

NO.	CD SUBMISSION	DATE
1	CD SUBMISSION	07/02/21
NO.	REVISION/ISSUE	DATE

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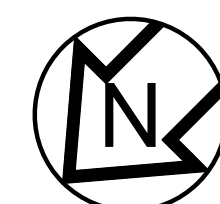
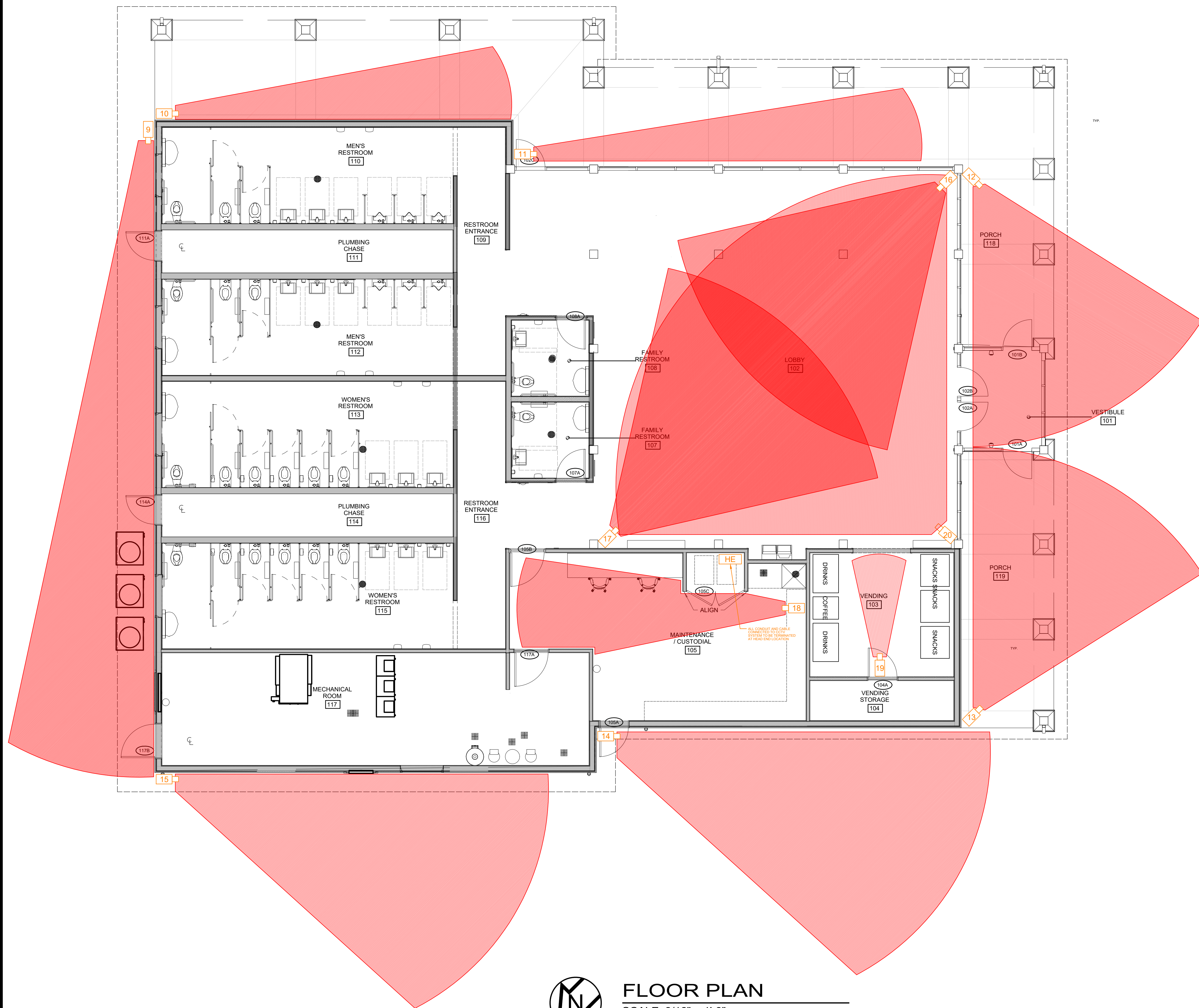
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20	P3228-LV	INTERIOR		

OHIO DEPARTMENT OF TRANSPORTATION:
MARIETTA REST AREA
WASHINGTON COUNTY
MARIETTA, OH 45750

PROJECT: XXXXX
DATE CREATED: 03/04/2021
SCALE: 3/16" = 1'-0"

SHEET: VS101
3 OF 4

ODOT MARIETTA REST AREA



FLOOR PLAN
SCALE: 3/16" = 1'-0"

LEGEND	
	FIXED CAMERA
	FIXED DOME CAMERA
	PAN-TILT-ZOOM DOME CAMERA
	360° CAMERA
	180° CAMERA
	HEAD END LOCATION
	NETWORK SWITCH
	NETWORK VIDEO RECORDER
	INTERMEDIATE OR MAIN DISTRIBUTION FRAME
	30' POLE
	16' POLE

WIRING LEGEND	
A	SIAMESE CABLE: RG59 COAX / 2c18G ST
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13	P3367-VE	EXTERIOR		
14	P3367-VE	EXTERIOR		
15	P3367-VE	EXTERIOR		
16	P3228-LV	INTERIOR		
17	P3228-LV	INTERIOR		
18	P3245-LV	INTERIOR		
19	P3245-LV	INTERIOR		
20	P3228-LV	INTERIOR		

PROJECT	SHEET
XXXXX	VS102
DATE CREATED	
03/04/2021	
SCALE	
3/16" = 1'-0"	4 OF 4