

DOT-090005.07

REST AREAS RENOVATIONS

AREA NO. 1036, DISTRICT 10
US-35W, GALLIA COUNTY, OHIO

FOR:

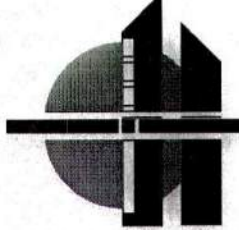


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REST AREAS RENOVATIONS
AREA NO. 1036, DISTRICT 10
US-35 W, GALLIA COUNTY, OHIO



TITLE SHEET

DRAWN BY: RCB CHECKED BY: RG/JKRA

SAI # 09061703
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G1.1

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ABBREVIATIONS

#	AND	F.E.C.	FIRE EXTINGUISHER	REFR.	REFRIGERATOR
A.B.	ANCHOR BOLT	FIN.	FINISH(ED)	REIN.	REINFORCING
ABV.	ABOVE	FIXT.	FIXTURE	REM.	REMOVE(D)/ABLE
A/C	AIR CONDITIONING	FLR.	FLOOR(ING)	REQ'D	REQUIRED
ACI	AMERICAN CONCRETE INSTITUTE	FLUOR.	FLUORESCENT	RESIL.	RESILIENT
ACST.	ACOUSTIC	FR	FIBERGLASS	REV.	REVISION(S)/REVISED
A.C.T.	ACOUSTICAL CEILING	F.R.P.	REINFORCED PLASTIC	RM.	ROOM
ADA	AMERICANS WITH DISABILITIES ACT	FT.	FIRE RETARDANT	RND.	ROUND
ADAAG	AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES	FT., (')	FEET/FOOT	R.O.	ROUGH OPENING
ADDL.	ADDITIONAL	FTG.	FOOTING	RATG.	RATING
ADJ.	ADJUSTABLE/ADJACENT	FURG.	FURRED/FURRING	R.T.U.	ROOF TOP UNIT
A.F.F.	ABOVE FINISH FLOOR	GA.	GALVANIZED	SAN.	SANITARY
A.F.G.	ABOVE FINISH GRADE	G.C.	GENERAL CONTRACTOR	S.C.	SOLID CORE
A.F.S.	ABOVE FINISH SLAB	GR.	GRADE	SCHD.	SCHEDULE
AGGR.	AGGREGATE	G.W.B.	GYP/SUM WALL BOARD	S.ECT.	SECTION
ALT.	ALTERNATE	H.	HIGH	S.F.	SQUARE FEET/FOOTAGE
ALUM.	ALUMINUM	H.B.	HOSE BIBB	SHT.	SHEET
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HCP.	HANDICAPPED	SIM.	SIMILAR
APPROX.	APPROXIMATE	HDN.	HARDWARE	S.J.	SAW JOINT
ARCH.	ARCHITECT(URAL)	HDND.	HARDWOOD	SQ.	SQUARE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION & AIR CONDITIONING ENGINEERS	H.M.	HOLLOW METAL	S.S.T.	STAINLESS STEEL
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	HORIZ.	HORIZONTAL	STD.	STANDARD
A.T.M.	AUTOMATED TELLER MACHINE	HRS.	HOURS	STL.	STEEL
BLDG.	BUILDING	H.V.A.C.	HEATING, VENTILATING, & AIR CONDITIONING	STOR.	STORAGE
BLKG.	BLOCKING	I.D.	INSIDE DIAMETER	STRUC.	STRUCTURAL
BM.	BENCH MARK	INCH.	INCH	SUSP.	SUSPENDED
B.M.	BULL NOSE	INFO.	INFORMATION	T.	TREAD
B.N.	BOTTOM OF	INSTL.	INSTALL(ED)	T&G	TONGUE & GROOVE
BOCA	BUILDING OFFICIALS CODE ADMINISTRATORS	INSUL.	INSULATION, INSULATED	T.B.D.	TO BE DETERMINED
BOT.	BOTTOM	INT.	INTERIOR	TEL.	TELEPHONE
B.T.U.	BRITISH THERMAL UNIT	JAN.	JANITOR	THK.	THICK(NESS)
CAB.	CABINET	JT.	JOINT	TMPD.	TEMPERED
C.B.	CATCH BASIN	KIT.	KITCHEN	T.O.C.	TOP OF CURB
C/C	CENTER TO CENTER	LAM.	LAMINATE	T.S.	TUBE STEEL
CER.	CERAMIC	LAV.	LAVATORY	TYP.	TYPICAL
C.G.	CORNER GUARD	LCKR.	LOCKER	UNIFORM	UNIFORM BUILDING CODE
C.I.P.	CAST-IN-PLACE	L.L.V.	LONG LEG VERTICAL	UL	UNDERWRITERS LABORATORY
C.J.	CONTROL JOINT	L.V.L.	LAMINATED VENEER LUMBER	U.N.O.	UNLESS NOTED OTHERWISE
CKT.	CIRCUIT	MAX.	MAXIMUM	V.C.T.	VINYL COMPOSITE TILE
CL.	CLEAR	M.C.G.	METAL CORNER GUARD	VERT.	VERTICAL
CL. &	CENTER LINE	MECH.	MECHANICAL	V.I.F.	VERIFY IN FIELD
CLR.	CLEAR	MEMB.	MEMBRANE	W.	WIDE
C.M.U.	CONCRETE MASONRY UNIT	MEZZ.	MEZZANINE	W/O	WITHOUT
CNTR.	COUNTER	MFR.	MANUFACTURER	W.C.	WATER CLOSET
C.O.	CLEAN OUT	MGR.	MANAGER	W.B.	WOOD BASE
COL.	COLUMN	M.H.	MANHOLE	WD.	WOOD
CONN.	CONNECTION	MIN.	MINIMUM	W.H.	WATER HEATER
CONSTR.	CONSTRUCTION	MIRR.	MIRROR	WT.	WEIGHT
CONT	CONTINUOUS OR CONTINUE	MISC.	MISCELLANEOUS	W.W.F.	WELDED WIRE FABRIC
CONTR.	CONTRACTOR	M.O.	MASONRY OPENING		
COORD.	COORDINATE	M.P.H.	MILES PER HOUR		
CORR.	CORRIDOR	MTD.	MOUNTED		
C.T.	CERAMIC TILE	MTL.	METAL		
CTR.	CENTER	NUL.	MULLION		
D.B.L.	DEEP/DEPTH	NEC	NORTH		
DEPT.	DEPARTMENT	NEMA	NATIONAL ELECTRICAL CODE		
DET.	DETAIL	N.F.P.A.	NATIONAL FIRE PROTECTION ASSOCIATION		
DEV.	DEVELOPMENT	N.I.C.	NOT IN CONTRACT		
DR.	DRINKING FOUNTAIN	NO., #	NUMBER		
DIA.	DIAMETER	NOM.	NOMINAL		
DIAG.	DIAGONAL	N.T.S.	NOT TO SCALE		
DIM.	DIMENSION	O/	OVER		
DN.	DOWN	O/O	OUT TO OUT		
DS.	DOWNSPOUT	OA	OVERALL		
DNG.	DRAINING(S)	O.C.	ON CENTER		
DRAINER	DRAINER	O.D.	OUTSIDE DIAMETER		
EA.	EACH	OFF.	OFFICE		
E.G.	EDGE GRAIN	OPNG.	OPENING		
E.I.F.S.	EXTERIOR INSULATION AND FINISH SYSTEM	OPP.	OPPOSITE		
E.J.	EXPANSION JOINT	O.S.B.	ORIENTED STRAND BOARD		
EL.	ELEVATION	P.J.	PANEL JOINT		
ELEC.	ELECTRIC(AL)	PL., @	PLATE		
ELEV.	ELEVATOR	PLAM.	PLASTIC LAMINATE		
ENGR.	ENGINEER	PLAS.	PLASTER		
E.P.	ELECTRICAL PANEL	PLBG.	PLUMBING		
EQU.	EQUIPMENT	P.L.F.	POUNDS PER LINEAR FOOT		
E.W.C.	ELECTRIC WATER COOLER	PLYWD.	PLYWOOD		
EXIST.	EXISTING	PNL.	PANEL		
EXP.	EXPANSION, EXPOSED	POL.	POLISHED		
EXT.	EXTERIOR	PR.	PAIR		
F.A.	FIRE ALARM	PROJ.	PROJECT		
F.D.	FIELD DRAIN	P.S.F.	POUNDS PER SQUARE FOOT		
F.DET.	FIELD DETERMINE	P.S.I.	POUNDS PER SQUARE INCH		
FDTN.	FOUNDATION	PT.	PAINT(ED)		
F.E.	FIRE EXTINGUISHER	P.T.	PRESSURE TREATED		

PROJECT GENERAL NOTES

- THE USE OF THESE DOCUMENTS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. REUSE OR REPRODUCTION OF THE DOCUMENTS (WHOLE OR IN PART) FOR ANY OTHER PURPOSE IS PROHIBITED. SHREMSHOCK ARCHITECTS, INC. RETAIN ALL RIGHTS OF OWNERSHIP FOR THESE DOCUMENTS.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS INCLUDING EMPLOYEES AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK AND FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE OF CONSTRUCTION.
- THE CONTRACTORS SHALL MAINTAIN, FOR THE ENTIRE DURATION OF THE WORK, ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES, AND ALARMS IN CONFORMANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
- THIS BUILDING SITE CONTAINS SOME SITE STRUCTURES OR OTHER SITE ELEMENTS WHICH ARE NOT SCHEDULED TO RECEIVE WORK AS A PART OF THIS PROJECT AND WHICH MAY NOT BE SPECIFICALLY SHOWN OR IDENTIFIED IN THE DRAWINGS. SHOULD SUCH STRUCTURES OR ELEMENTS BE ENCOUNTERED WHICH TEMPORARY OR PERMANENT RELOCATION TO ALLOW FOR THE NEW CONSTRUCTION AND/OR CONSTRUCTION MEANS AND METHODS, THE CONTRACTOR SHALL TEMPORARILY OR PERMANENTLY AS IS APPROPRIATE, RELOCATE THE STRUCTURE OR ELEMENT, INCLUDING ALL NECESSARY UTILITY CONNECTIONS, AS REQUIRED. RELOCATION OF STRUCTURES OR ELEMENTS AND THEIR ASSOCIATED UTILITY CONNECTIONS TO ACCOMMODATE NEW CONSTRUCTION AND/OR CONSTRUCTION MEANS AND METHODS IS THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BEGINNING WORK AND DILIGENTLY INSPECT AND EXAMINE THE SITE FOR THE THE PROJECT AND SURROUNDING AREA AND CAREFULLY CORRELATE THE RESULTS OF THE INSPECTION WITH THE CONTRACT DOCUMENTS. SHOULD THE CONTRACTOR DETERMINE ANY SITE STRUCTURES OR OTHER EXISTING SITE ELEMENTS REQUIRE TEMPORARY OR PERMANENT RELOCATION TO ACCOMMODATE NEW CONSTRUCTION AND/OR CONSTRUCTION MEANS AND METHODS HE SHALL COORDINATE SUCH RELOCATIONS WITH THE A/E, THE OWNER AND OTHER CONTRACTORS, AS REQUIRED, PRIOR TO BEGINNING WORK.

SYMBOLS

SYMBOL NAME	SYMBOL
ELEVATION REFERENCE	ELEVATION LETTER SHEET NUMBER
WALL/BUILDING SECTION REFERENCE	SECTION LETTER SHEET NUMBER
SECTION DETAIL REFERENCE	DETAIL LETTER SHEET NUMBER
ENLARGED PLAN/SECTION DETAIL REFERENCE	DETAIL LETTER SHEET NUMBER
REVISION SYMBOL	REVISION NUMBER
ELEVATION HEIGHT REFERENCE	HEIGHT (RELATIVE TO FINISH FLOOR) ITEM
CODED NOTE	CSI SPECIFICATION DIVISION NOTE NUMBER
ROOM # NAME	ROOM NUMBER ROOM NAME

MATERIAL LEGEND

	EARTH
	GRANULAR FILL
	CONCRETE
	BRICK
	CONCRETE MASONRY (VARIES REFER TO PARTITION SCHEDULE)
	STONE
	MARBLE
	STEEL OR METAL
	WOOD, FINISH
	WOOD FRAMING, CONTINUOUS MEMBER
	WOOD BLOCKING, INTERRUPTED MEMBER
	PLYWOOD, EDGE
	GLASS
	ACOUSTIC TILE
	GYP/SUM BOARD
	BATT INSULATION
	RIGID INSULATION / E.I.F.S.
	CERAMIC TILE

NOTE: MATERIALS SHOWN ABOVE ARE FOR WALL SECTIONS AND/OR LARGE SCALE DETAILS ONLY. MATERIAL PATTERNS FOR SMALL SCALE PLANS AND/OR ELEVATIONS MAY VARY. REFER TO INDIVIDUAL LEGENDS AND/OR SCHEDULES FOR VARIATIONS.

BUILDING CODE SUMMARY

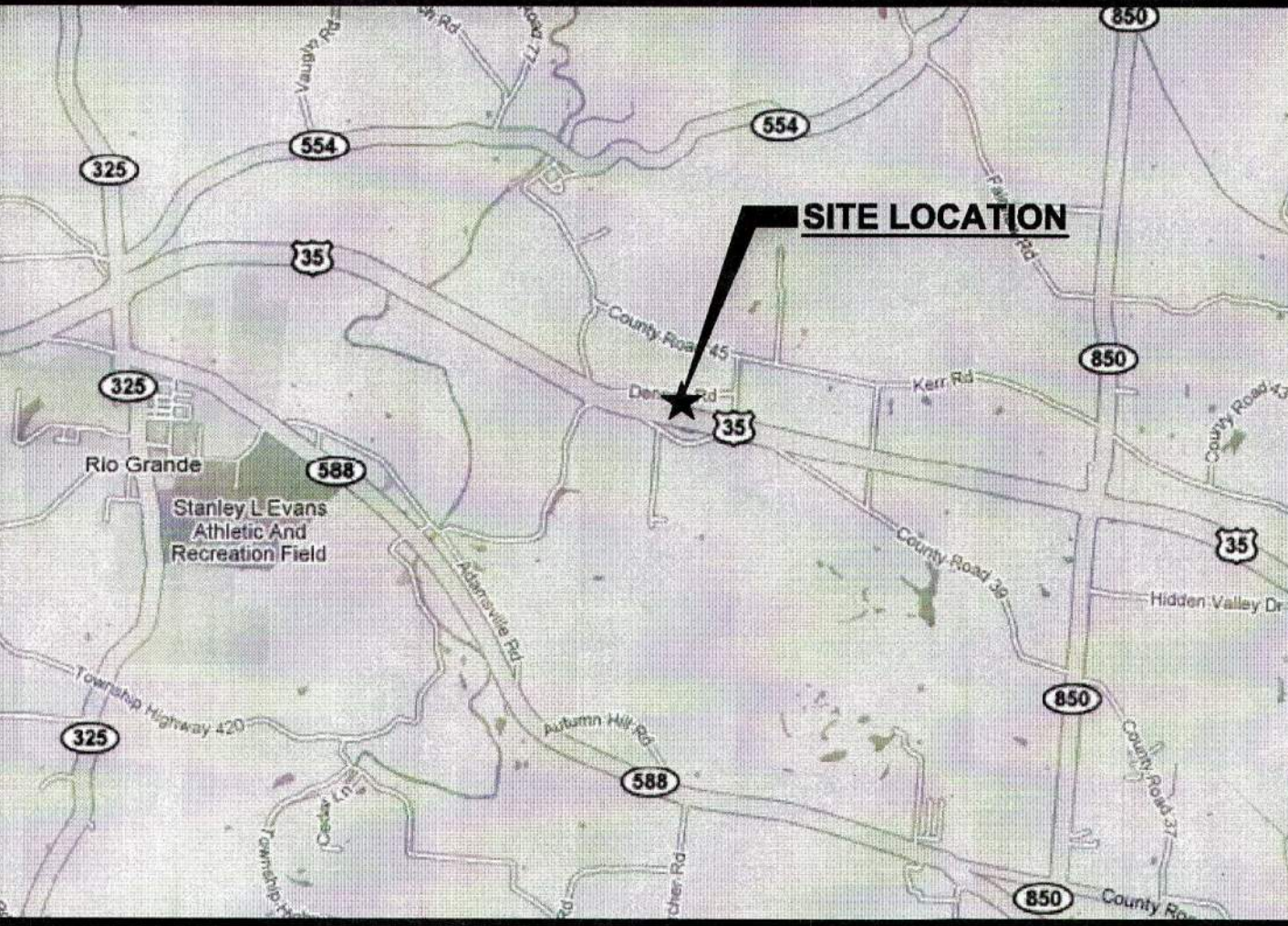
SUMMARY: PROJECT CONSISTS OF REMODEL OF EXISTING TOILET ROOMS AND REPLACEMENT OF ROOF MEMBRANE.	
APPLICABLE CODES:	
USE GROUP: OHIO BUILDING CODE (OBC) OHIO PLUMBING CODE (OPC) OHIO MECHANICAL CODE (OMC) AMERICANS WITH DISABILITIES ACT (ADA / ADAAG) B - BUSINESS, S2 - STORAGE CONSTRUCTION TYPE: OBC SECTION 304 OBC SECTION 602.2	
INTERIOR WALL & CLG. FINISH REQUIREMENTS	
USE GROUP: B, S2 (NON-SEPARATED MIXED USE)	OBC TABLE 803.5
VERTICAL EXITS	CLASS
EXIT ACCESS CORRIDORS	B
ROOMS & ENCLOSED SPACES	C

GENERAL BUILDING HEIGHTS AND AREAS: OBC TABLE 503.	
HEIGHT:	ALLOWABLE 4 STORIES
AREA:	PROVIDED 1 STORY (10'-6") 1,475 S.F.

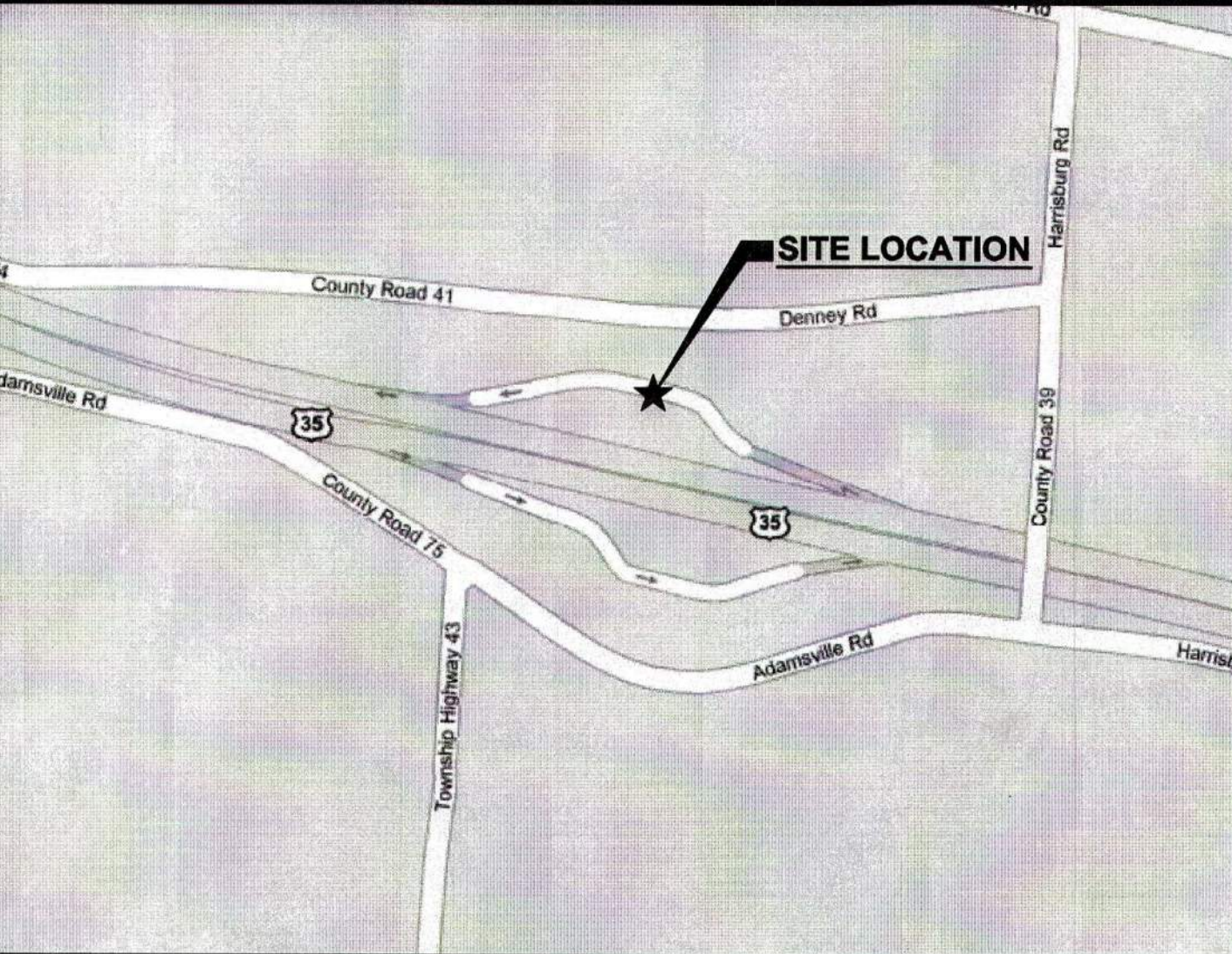
OCCUPANT LOAD			
USE	AREA/GROSS	AREA/OCC.	OCC.
BUSINESS (TOILETROOM)	949	100	10
MECHANICAL	526	300	2
TOTALS	1,475	-	12

MINIMUM NUMBER OF EXITS: OBC TABLE 1015.1	
REQUIRED: 1 (FOR OCCUPANCY B, MAX OCCUPANT LOAD 49)	
PROVIDED: 2	
DESIGN WIND LOADING	
1. BASIC WIND SPEED	90 MPH.
2. WIND IMPORTANCE FACTOR	1.0
3. OCCUPANCY CATEGORY	II
4. WIND EXPOSURE CATEGORY	C
5. INTERNAL PRESSURE COEFFICIENT	+0.18, -0.18
6. COMPONENTS AND CLADDING:	
a. ROOF	+14 PSF, -20 PSF (ROOF CORNER ZONES +14 PSF, -52 PSF)
b. WALLS	+19 PSF, -22 PSF (WALL CORNER ZONES +19 PSF, -25 PSF)

VICINITY MAP



SITE LOCATION



SHEET INDEX

SHEET #	SHEET DESCRIPTION
G1.1	TITLE SHEET
G1.2	INDEX SHEET
A1.1	DEMOLITION & FLOOR PLANS
A2.1	EXTERIOR ELEVATIONS
A3.1	WALL SECTIONS
A4.1	EXTERIOR DETAILS
A5.1	ROOM FINISH & PARTITION SCHEDULES
A6.1	DOOR & WINDOW SCHEDULES
A6.2	DOOR & WINDOW DETAILS
A8.1	REFLECTED CEILING PLAN
A9.1	NOTES & SCHEDULES
A9.2	INTERIOR DETAILS
A10.1	ROOF PLAN
P1.1	FIRST FLOOR PLUMBING DEMOLITION PLAN
P2.1	FIRST FLOOR AND ROOF LEVEL PLUMBING PLAN
H1.1	FIRST FLOOR HVAC DEMOLITION PLAN
H2.1	FIRST FLOOR HVAC PLAN
E1.1	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
E2.1	FIRST FLOOR LIGHTING AND POWER PLAN
E3.1	ELECTRICAL DETAILS AND SCHEDULES

SCHEDULE INDEX

DESCRIPTION	SHEET	PLAN REF.	REMARKS
DIVISION 7			
JOINT SEALANT SCHEDULE	A9.1	-	
BUILDING INSULATION SCHEDULE	A9.1	I-#	
DIVISION 8			
DOOR SCHEDULE	A6.1	D-#	
WINDOW SCHEDULE	A6.1	W-#	
DIVISION 9			
PARTITION SCHEDULE	A5.1	-	
ROOM FINISH SCHEDULE	A5.1	-	
DIVISION 10			
ACCESSORY SCHEDULE	A9.1	A-#	
SPECIALTY SCHEDULE	A9.1	SP-#	

INDEX SHEET



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GENERAL NOTES: DEMOLITION PLAN

- G.C. SHALL REVIEW ALL EXISTING CONDITIONS. THE G.C. SHALL NOTIFY THE ARCHITECT IN WRITING IMMEDIATELY UPON DISCOVERY OF CONDITIONS DIFFERING FROM INFORMATION SHOWN ON THESE DOCUMENTS HEREIN.
- IF THE G.C. ENCOUNTERS MATERIALS THAT ARE SUSPECTED OF CONTAINING HAZARDOUS MATERIALS, DO NOT DISTURB. THE G.C. SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING.
- THE OWNER RESERVES THE "RIGHT OF FIRST REFUSAL" FOR ALL ITEMS REMOVED FROM THE BUILDING. (CONTRACTOR TO COORDINATE WITH OWNER)
- ALL DEMOLISHED ITEMS NOT SCHEDULED FOR REINSTALLATION SHALL BE REMOVED FROM THE SITE AT THE END OF EACH WORK DAY. STORAGE AND/OR SALE OF DEMOLISHED ITEMS ON SITE IS STRICTLY PROHIBITED.
- ALL EXISTING CONSTRUCTION NOT SCHEDULED FOR DEMOLITION BUT DAMAGED DURING DEMOLITION ACTIVITIES SHALL BE PATCHED, REPAIRED, AND/OR REPLACED TO MATCH EXISTING CONDITIONS PRIOR TO ACCEPTANCE OF NEW WORK.
- ALL CONCRETE AND MASONRY DEMOLITION SHALL BE SAW CUT FULL DEPTH AT JUNCTURE WHERE CONSTRUCTION IS TO REMAIN.
- G.C. TO SECURE AND PROTECT CONSTRUCTION SITE BY TAKING ALL PRECAUTIONARY MEASURES NECESSARY IN CONFORMANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- G.C. SHALL BE RESPONSIBLE FOR TEMPORARY SHORING, BRACING AND STRUCTURAL SUPPORT TO PRESERVE THE STABILITY OF AND PREVENT UNEXPECTED MOVEMENT OR COLLAPSE OF CONSTRUCTION TO BE DEMOLISHED AS WELL AS CONSTRUCTION TO REMAIN.
- REFER TO PLUMBING DRAWINGS FOR PLUMBING DEMOLITION INFORMATION.
- REFER TO HVAC DRAWINGS FOR HVAC DEMOLITION INFORMATION.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHTING AND POWER DEMOLITION INFORMATION.
- G.C. IS RESPONSIBLE FOR DEMOLITION AND FOR COORDINATION OF DISCONNECTS OF MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS WHICH ARE TO BE MADE BY EACH RESPECTIVE TRADE CONTRACTOR.

GENERAL NOTES: FLOOR PLAN

- REFER TO SHEET G1.2 FOR ALL ABBREVIATIONS AND SYMBOLS.
- VERIFY ALL EQUIPMENT OPENINGS & LOCATIONS. EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. LOCATIONS AND SIZES SHOWN ARE FOR INTENT PURPOSES ONLY. ADJUST TO MATCH ROUGH OPENINGS AND LOCATIONS AS REQUIRED PER ACTUAL EQUIPMENT.
- DOOR JAMBS ARE 4" FROM NEAREST ADJACENT INTERSECTING PARTITION UNLESS NOTED OTHERWISE. SEE DOOR DETAILS FOR FURTHER INFORMATION.
- G.C. TO PROVIDE ALL IN-WALL OR IN-CEILING BLOCKING/BRACING AS REQUIRED FOR ALL MILLWORK ITEMS, EQUIPMENT, SHELVING, AND ACCESSORIES WHETHER ITEMS ARE BY G.C. OR OTHERS.
- REINSTALL/PATCH AS REQUIRED ON EXISTING FINISH MATERIALS SURROUNDING NEW CONSTRUCTION AS NECESSARY TO NEATLY JOIN EXISTING CONDITIONS TO NEW CONSTRUCTION.
- PROVIDE STEEL LINTELS OVER OPENINGS IN MASONRY WALLS WHERE TOP OF OPENINGS IS NOT AT UNDERSIDE OF EXISTING ROOF STRUCTURE AND IS LOCATED IN A NON PUBLIC AREA. PROVIDE (2) 1/4" BENT PLATE WITH 4" BEARING AT EACH END. PROVIDE (2) 1/2"x2 1/2"x1/4" (LLV) BACK-TO-BACK FOR 6" MASONRY WITH 6" BEARING AT EACH END.
- BUILD ALL NEW MASONRY WALLS TIGHT TO THE UNDERSIDE OF THE EXISTING ROOF STRUCTURE AND PORTAL CONTINUOUSLY AND FULL WIDTH, BETWEEN TOP COURSE OF C.M.U. AND UNDERSIDE OF EXISTING ROOF STRUCTURE.

CODED NOTES: DEMOLITION PLANS

DIVISION 02 - EXISTING CONDITIONS

- REMOVE DOOR, FRAME, AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
- REMOVE EXISTING OVERHEAD DOOR, TRACKS, OPERATOR AND ALL ASSOCIATED HARDWARE.
- REMOVE EXISTING SLAB ON GRADE IN ITS ENTIRETY. REMOVE TOP COURSE OF FOUNDATIONS BELOW SLAB TO A MINIMUM OF 1'-4" BEARING AT EACH END. EXISTING TOP OF FINISHED FLOOR.
- REMOVE FLOOR DRAIN. SEE PLUMBING SHEETS FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING DOOR AND POWERED OPENER.
- REMOVE EXISTING DOOR AND POWERED OPENER.
- REMOVE BASEBOARD HEATERS AND ALL ASSOCIATED EQUIPMENT IN ITS ENTIRETY.
- REMOVE ALL PLUMBING FIXTURES, TOILET PARTITIONS, ALL TOILET ACCESSORIES, GRAB BARS, AND MIRRORS IN THEIR ENTIRETY.
- REMOVE WALL MOUNTED BULLETIN BOARDS.
- REMOVE EXISTING WALL MOUNTED TELEPHONE AND SURROUND CABINET.
- REMOVE DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS.
- REMOVE EXISTING WALLS IN ITS ENTIRETY OR AS INDICATED IN WALL SECTIONS AND DETAILS.
- REMOVE EXISTING HAND DRYERS AND TRASH RECEPTACLES IN THEIR ENTIRETY.
- REMOVE HANDICAP DOOR OPERATOR SWITCH AND HANDRAIL OR POST.
- REMOVE EXISTING WINDOW IN ITS ENTIRETY.
- SITE ITEMS INCLUDING BUT NOT LIMITED TO BENCHES, TRASH RECEPTACLES, DECORATIVE STONES, AND ASH CANS SHALL BE RELOCATED TO A DESIGNATED LOCATION DETERMINED BY THE OWNER.
- FIELD VERIFY LOCATION OF EXISTING VENDING MACHINE KIOSKS AND DETERMINE REQUIREMENTS FOR RELOCATION TO ACCESS STRUCTURE FOR DEMOLITION AND NEW CONSTRUCTION. COORDINATE REMOVAL AND RELOCATION WITH OWNER.
- REMOVE EXISTING HOSE BIB.
- DASHED LINE INDICATES EXTENT OF EXISTING ROOF ABOVE TO REMAIN. SEE SHEET A10.1 FOR ROOF DEMOLITION PLAN.
- REMOVE VENTILATION FAN AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
- REMOVE EXISTING SHELVING AND CABINETRY.
- REMOVE CEILING/WALL MOUNTED HEATER UNIT AND ELECTRICAL. SEE PNE DRAWINGS.
- REMOVE EXISTING DOWNSPOUT.
- REMOVE FIRE EXTINGUISHER.
- REMOVE ELECTRICAL ITEM. SEE ELECTRICAL DRAWINGS.
- REMOVE DUCTWORK ABOVE.
- REMOVE SIGNAGE.
- EXISTING CONCRETE COLUMN TO REMAIN.
- REMOVE BROCHURE/REGISTRY MILLWORK.
- REMOVE EXISTING SIDEWALK/PATIO AS INDICATED BY DASHED LINES. EXISTING FOUNDATION AT PERIMETER OF PATIO TO REMAIN UNDISTURBED.
- REMOVE CONCRETE DRIVEWAY AS REQUIRED.
- REMOVE REFRIGERATOR. COORDINATE WITH OWNER.
- REMOVE EXISTING PLUMBING EQUIPMENT. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING ELECTRICAL TRANSFORMER. SEE ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- REMOVE CONCRETE HOUSEKEEPING PAD.
- EXISTING UNDERGROUND ELECTRICAL/TELEPHONE VAULTS. PROVIDE PROTECTION DURING DEMOLITION AND CONSTRUCTION.
- REMOVE EXISTING WALL IN ITS ENTIRETY. REMOVE FOUNDATION/FOOTER AS REQUIRED FOR INSTALLATION OF NEW WALL.

CODED NOTES: FLOOR PLANS

DIVISION 01 - GENERAL REQUIREMENTS

- REQUIRED FIXTURE CLEAR AREA FOR HANDICAP ACCESSIBILITY.
- MAINTAIN REQUIRED TURNING RADIUS PER APPLICABLE CODES.

DIVISION 03 - CONCRETE

- (3) #4 BARS, 12" LONG CENTERED AT MID DEPTH OF EXISTING CONCRETE SLAB, SPACED EQUALLY ACROSS WIDTH OF DOOR, DRILL AND EPOXY 6" DEEP INTO EXISTING CONCRETE SLAB.
- NEW CONCRETE PATIO, MIN. 6" THICK CONC. OVER GRAVEL BASE. TIE INTO EXISTING FOUNDATION AT PERIMETER.
- NEW 4" CONCRETE SLAB REINFORCED WITH 6"x6" W/4" W/4" WELDED WIRE FABRIC PLACED AT MID DEPTH OF SLAB.
- 24" X 6" THICKENED SLAB WITH (2) #5 REBAR CONTINUOUS IN DIRECTION OF WALL.
- SLOPE FLOOR 1/8" PER FOOT TOWARD FLOOR DRAINS 3'-0" AROUND FLOOR DRAINS.
- REPLACE PORTION OF EXISTING SIDEWALK(S) AS REQUIRED TO MEET PERIMETER ELEVATION OF NEW PATIO/FLOOR SLAB OR NEW BUILDING SLAB AT JANITOR ROOM, RESLOPE AND/OR WARP AS NECESSARY TO ADJOIN REMAINING PORTIONS OF EXISTING WALKS TO NEW SLAB ELEVATIONS. SEE SIDEWALK DETAILS D/26/A3.1. EXTENT OF ALL CONCRETE WORK BEYOND THE BUILDING ENVELOPE AND BUILDING ENTRANCE PATIO SLAB TO BE APPROVED BY THE A/E AND THE OWNER PRIOR TO CONSTRUCTION. REFER ALSO TO SPECIFICATIONS FOR SITE CONCRETE ALLOWANCES AND UNIT PRICES FOR THIS WORK.

DIVISION 04 - MASONRY

- BULLNOSE GLAZED C.M.U. AT ALL EXPOSED CORNERS.

DIVISION 07 - THERMAL & MOISTURE PROTECTION

- DASHED LINE INDICATES EXTENT OF EXISTING ROOF EAVE ABOVE TO REMAIN.

DIVISION 08 - OPENINGS

- AUTOMATIC DOOR OPERATOR PUSH PLATE, LOCATE CENTER AT 28" AFF TYPICALLY, WHERE 2 PUSH PLATES ARE INDICATED AT 28" AFF AND ONE AT 34" AFF. INSTALL WIRE CONDUITS INSIDE OF MULLION OR CLOSURE PANEL. INSTALL SURFACE MOUNTED AT CONCRETE COLUMNS AND PAINT CONDUIT TO MATCH CONCRETE COLUMNS WHERE WINDOW MULLIONS DO NOT EXIST.

DIVISION 09 - FINISHES

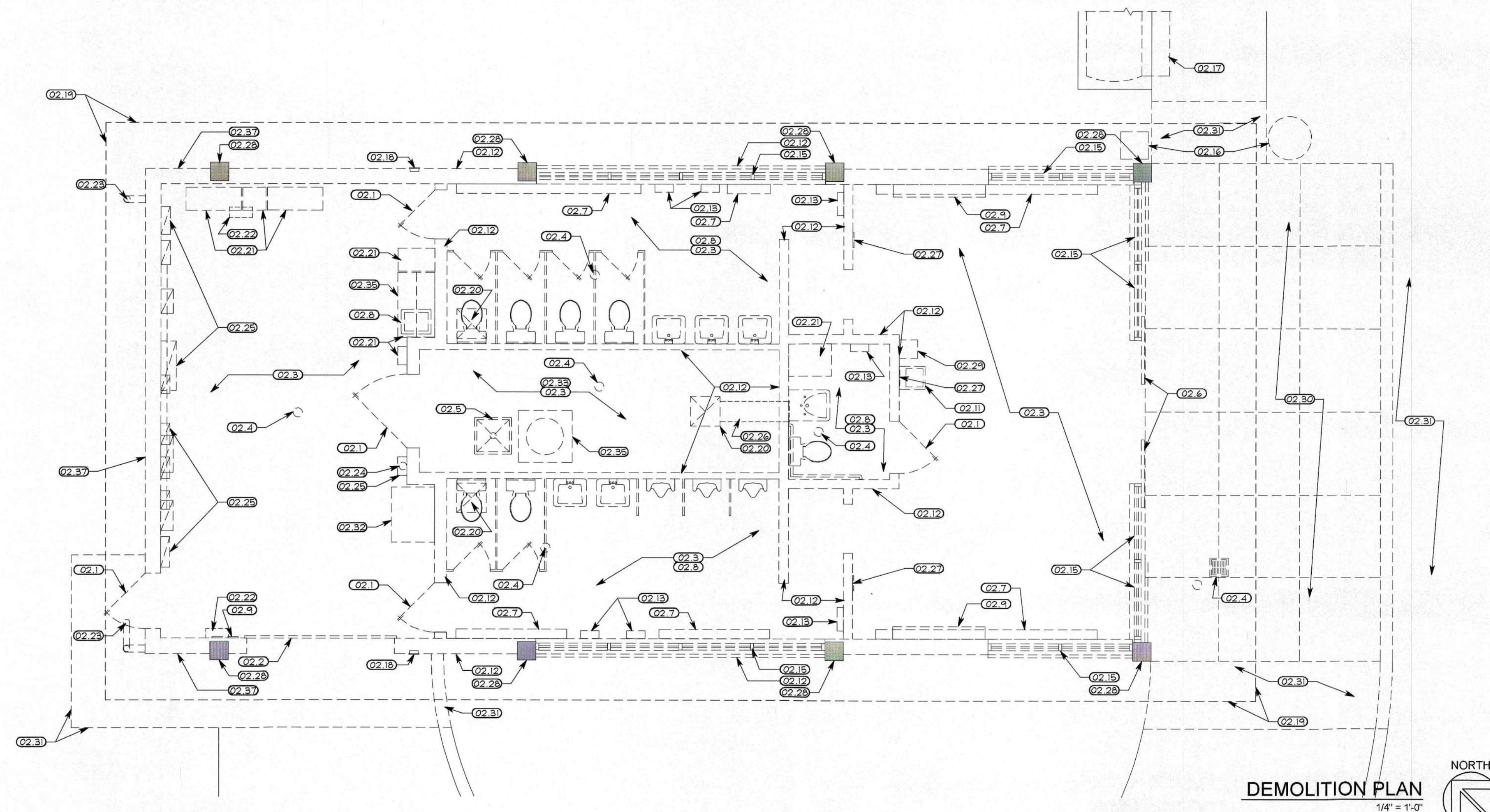
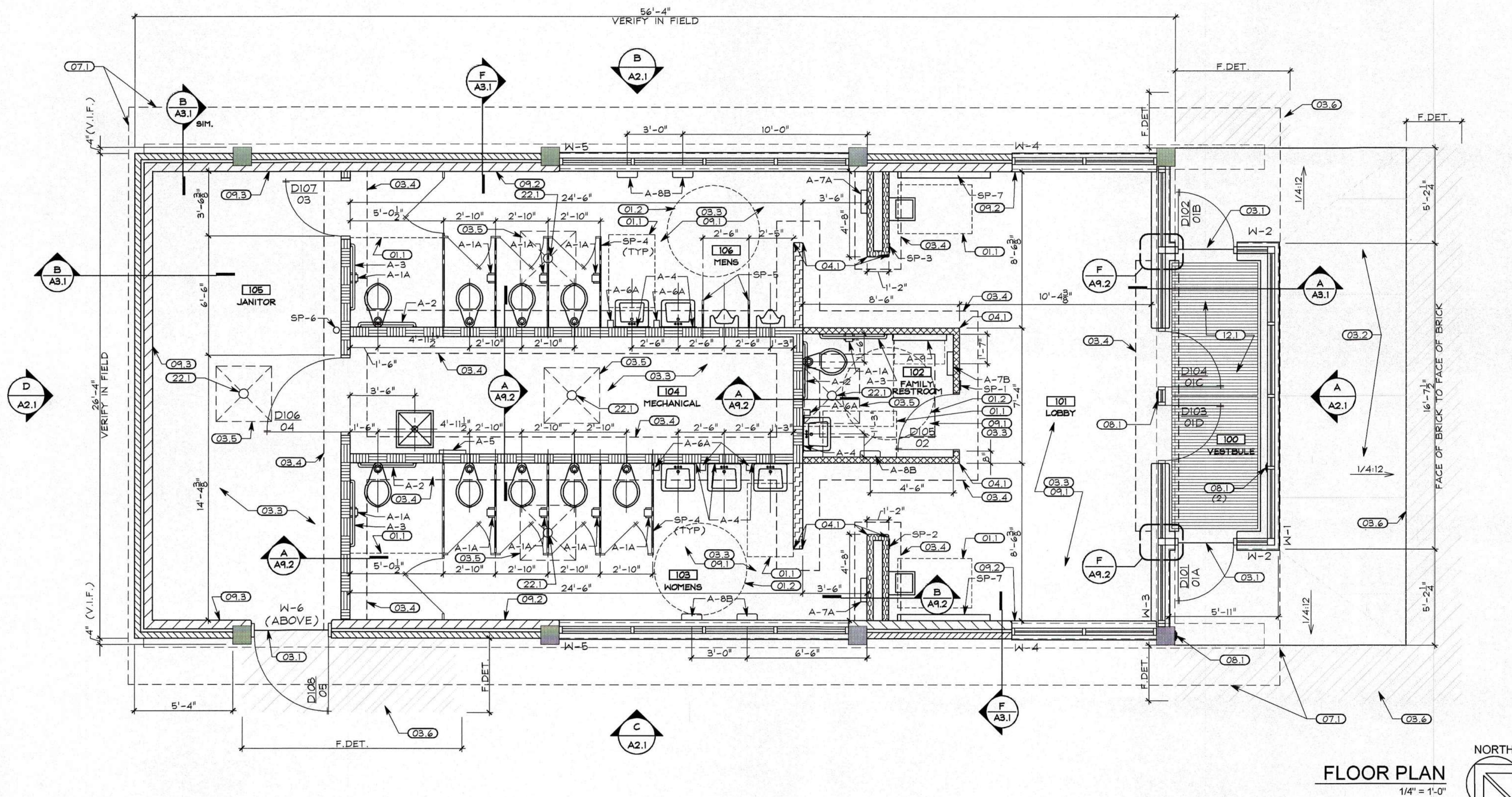
- TERRAZZO FLOORING SYSTEM. SEE SPECIFICATIONS FOR CONCRETE SLAB PREPARATION AND INSTALLATION INFORMATION.
- GLAZED CMU INTERIOR FINISH.
- PAINTED CMU INTERIOR FINISH.

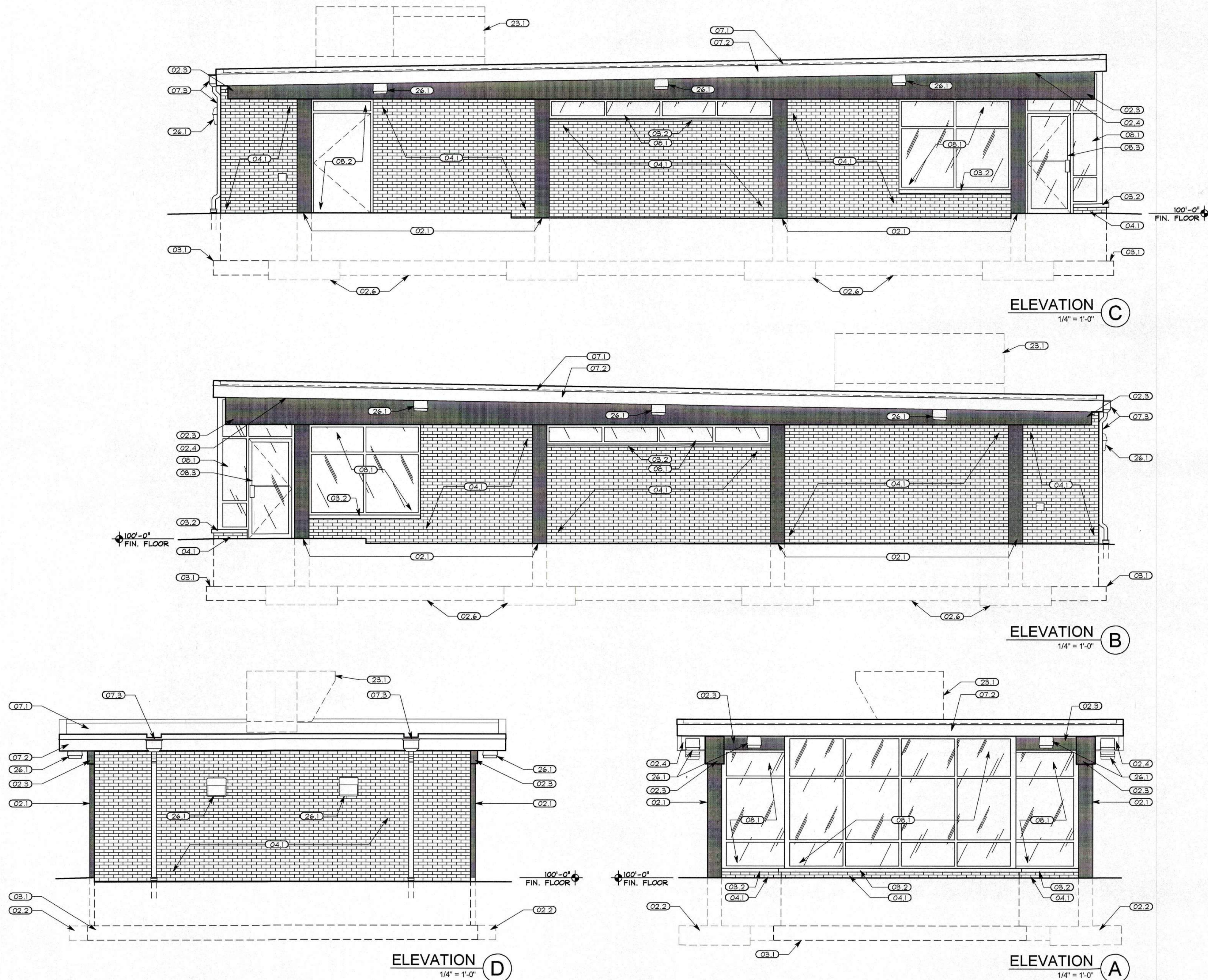
DIVISION 12 - FURNISHINGS

- ROLL UP GRID WALK-OFF MAT W/ FRAME. SEE DETAIL D/A9.2

DIVISION 22 - PLUMBING

- FLOOR DRAIN. SEE PLUMBING DRAWINGS





GENERAL NOTES

1. PREP SUBSTRATES AND INSTALL FINISHES PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

CODED NOTES: EXTERIOR ELEVATIONS

DIVISION 02 - EXISTING CONDITIONS

02.1 - EXISTING CONCRETE COLUMN TO REMAIN. PATCH AS REQUIRED, CLEAN AND PAINT.
02.2 - EXISTING FOUNDATION. DO NOT DISTURB UNLESS NOTED OTHERWISE.
02.3 - EXISTING CONCRETE BEAM TO REMAIN. PATCH AS REQUIRED, CLEAN AND PAINT.
02.4 - CLEAN AND PAINT UNDERSIDE OF EXISTING CONCRETE ROOF DECK.

DIVISION 03 - CONCRETE

03.1 - CONCRETE FOUNDATION/FOOTING
03.2 - PRECAST CONCRETE SILL

DIVISION 04 - MASONRY

04.1 - 4" BRICK VENEER. MATCH COLOR AND SIZE TO EXISTING.

DIVISION 07 - THERMAL & MOISTURE PROTECTION

07.1 - SINGLE PLY ROOF MEMBRANE
07.2 - METAL FASCIA WRAP AND TRIM.
07.3 - NEW ROOF SCUPPER, DOWNSPOUT AND CONDUCTOR HEAD.

DIVISION 08 - OPENINGS

08.1 - ALUMINUM STOREFRONT WINDOW SYSTEM. SEE WINDOW SCHEDULE.
08.2 - HOLLOW METAL DOOR, FRAME, AND TRANSOM. SEE DOOR SCHEDULE.
08.3 - ALUMINUM STOREFRONT DOOR. SEE DOOR SCHEDULE.

DIVISION 23 - HVAC

23.1 - NEW ROOF TOP EQUIPMENT. SEE HVAC SHEETS FOR ADDITIONAL INFORMATION

DIVISION 26 - ELECTRICAL

26.1 - LIGHT FIXTURE. SEE ELECTRICAL SHEETS

REVISIONS:
RECORD DOCUMENTS



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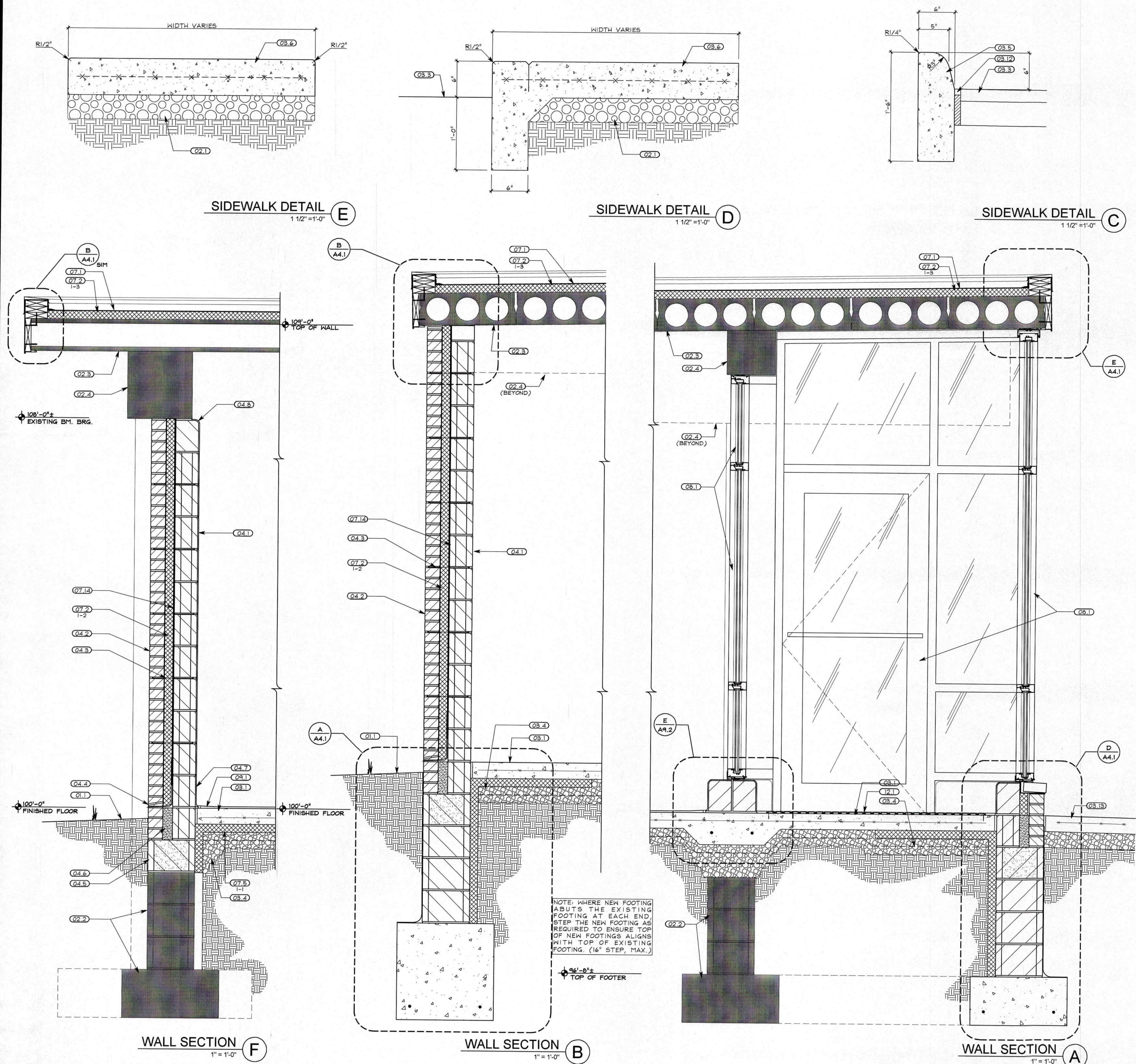


DOT-090005.07
REST AREAS RENOVATIONS
AREA NO. 1036, DISTRICT 10
US-35 W. GALLIA COUNTY, OHIO

EXTERIOR ELEVATIONS

DRAWN BY: RCB CHECKED BY: RGJ/KRA

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A2.1
PLOTTED: 10/26/2011 3:46 PM



GENERAL NOTES: EXTERIOR DETAILS

1. REFER TO FLOOR PLAN AND DOOR AND WINDOW SCHEDULES FOR ADDITIONAL INFORMATION.
2. REFER TO INSULATION SCHEDULE (A9.1) FOR ALL INSULATION TYPES.
3. REFER TO GENERAL FLASHING NOTES (A9.1) FOR FLASHING REQUIREMENTS.

CODED NOTES: EXTERIOR DETAILS

DIVISION 01 - GENERAL REQUIREMENTS

01.1 - FINISHED GRADE

DIVISION 02 - EXISTING CONDITIONS

- 02.1 - EXISTING COMPACTED FILL, RE-LEVEL AS REQUIRED FOR NEW CONCRETE POUR.
- 02.2 - EXISTING CONCRETE FOUNDATION AND FOOTER, DO NOT DISTURB UNLESS OTHERWISE NOTED.
- 02.3 - EXISTING CONCRETE ROOF DECK, CLEAN AND REFINISH, REFER TO FINISH SCHEDULE.
- 02.4 - EXISTING PRECAST CONCRETE BEAM, CLEAN AND REFINISH, REFER TO FINISH SCHEDULE.

DIVISION 03 - CONCRETE

- 03.1 - NEW 4" CONCRETE SLAB REINFORCED WITH 6"x6"-W4/W4.4 WELDED WIRE FABRIC PLACED AT MID-DEPTH OF SLAB.
- 03.2 - 2'-0" x 1'-0" CONCRETE FOOTING CENTERED UNDER C.M.U. FOUNDATION WALL W/ (2) #5 REBAR CONTINUOUS.
- 03.3 - PAVEMENT.
- 03.4 - 4" GRAVEL BASE WITH VAPOR BARRIER AT MID DEPTH FOR INTERIOR SLABS.
- 03.5 - CONCRETE CURB.
- 03.6 - NEW 6" CONCRETE SIDEWALK REINFORCED WITH 6"x6"-W4/W4.4 WELDED WIRE FABRIC PLACED AT MID-DEPTH OF SLAB.
- 03.7 - 6"x6"-W4/W4.4 WELDED WIRE FABRIC.
- 03.8 - #3 BARS AT 8" O.C. (3) MIN. PER OPENING.
- 03.9 - #3 DONUT BENT, PROVIDE AT EACH CORNER, BUT NO LESS THAN (3) FROM EACH SIDE.
- 03.10 - FIELD PLUG EXISTING CORES, TYP.
- 03.11 - PRECAST CONCRETE SILL.
- 03.12 - EXPANSION JOINT AND SEALANT.
- 03.13 - CONCRETE SIDEWALK, SEE DETAILS C, D, AND E/A3.1. REFER TO SPECIFICATIONS FOR UNIT PRICE AND ALLOWANCES.

DIVISION 04 - MASONRY

- 04.1 - 6" CONCRETE MASONRY UNIT, REFER TO FLOOR PLANS AND FINISH SCHEDULE FOR LOCATIONS OF GLAZED C.M.U. OR PAINTED C.M.U. AT EXTERIOR WALLS.
- 04.2 - 4" STANDARD FACE BRICK.
- 04.3 - HORIZONTAL MASONRY REINFORCEMENT @ 16" O.C.
- 04.4 - THRU-WALL FLASHING W/ KEEPS @ 24" O.C.
- 04.5 - 12" C.M.U. WITH CONTINUOUS SOLIDLY GROUTED TOP COURSE.
- 04.6 - GROUT CAVITY SOLID TOP OF FOUNDATION TO FINISHED FLOOR.
- 04.7 - GLAZED C.M.U. WITH COVE BASE.
- 04.8 - PROVIDE BULLNOSE FINISH AT EXPOSED EDGES.

DIVISION 06 - WOOD, PLASTICS & COMPOSITES

- 06.1 - 2X6 PRESSURE TREATED WOOD BLOCKING CONT. AROUND PERIMETER OF EXISTING CONC. ROOF DECK, SECURE BLOCKING TO EXISTING PRECAST CONCRETE PLANKS WITH 3/8" DIAMETER X 3" LONG GALVANIZED CONCRETE SCREWS AT 24" O.C., STAGGERED TOP-TO-BOTTOM, INTO SOLID OR GROUT FILLED CONCRETE.
- 06.2 - 2X PRESSURE TREATED WOOD FASCIA CONT. AROUND PERIMETER OF EXISTING CONC. ROOF DECK, SECURE BLOCKING TO EXISTING PRECAST CONCRETE PLANKS WITH 3/8" DIAMETER X 3" LONG GALVANIZED CONCRETE SCREWS AT 24" O.C. INTO SOLID OR GROUT FILLED CONCRETE.
- 06.3 - 2X12 PRESSURE TREATED WOOD BLOCKING, SECURE BLOCKING TO EXISTING PRECAST CONCRETE PLANKS WITH 3/8" DIAMETER X 3" LONG GALVANIZED CONCRETE SCREWS AT 24" O.C., STAGGERED TOP-TO-BOTTOM, INTO SOLID OR GROUT FILLED CONCRETE.

DIVISION 07 - THERMAL & MOISTURE PROTECTION

- 07.1 - SINGLE PLY ROOF MEMBRANE.
- 07.2 - 2" RIGID INSULATION, REFER TO INSULATION SCHEDULE.
- 07.3 - PREFINISHED METAL COPING.
- 07.4 - PREFINISHED METAL FASCIA WRAP.
- 07.5 - 2" RIGID PERIMETER INSULATION FROM TOP OF FOOTING TO 30" HORIZONTAL, REFER TO INSULATION SCHEDULE.
- 07.6 - SINGLE PLY ROOF FLASHING INSTALLED PER MFR'S SPECIFICATIONS.
- 07.7 - SINGLE PLY ROOF MEMBRANE AT SCUPPER, MIN. 2" OVERLAP AT EDGE. EXTEND MEMBRANE OVER WOOD BLOCKING AT SIDES.
- 07.8 - PREFINISHED METAL COPING END CAP.
- 07.9 - PREFINISHED METAL FLASHING/DROP EDGE.
- 07.10 - PREFINISHED METAL CONDUCTOR HEAD.
- 07.11 - PREFINISHED METAL DOWNSPOUT.
- 07.12 - SEALANT WITH BACKER ROD AS REQUIRED.
- 07.13 - PREFINISHED GRAVEL STOP.
- 07.14 - DAMPROOFING.

DIVISION 08 - OPENINGS

- 08.1 - ALUMINUM STOREFRONT DOOR AND WINDOW SYSTEM, (SEE WINDOW AND DOOR SCHEDULES).
- 08.2 - ALUMINUM COMPENSATING RECEIVER.

DIVISION 09 - FINISHES

- 09.1 - TERRAZZO FLOORING SYSTEM.

DIVISION 12 - FURNISHINGS

- 12.1 - ROLL UP GRID WALK-OFF MAT W/ FRAME, SEE DETAIL D/A9.2 REFER TO SPECIFICATIONS.

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DOT-09060507
REST AREAS RENOVATIONS
AREA NO. 1036, DISTRICT 10
US-35 W, GALLIA COUNTY, OHIO

WALL SECTIONS

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DRAWN BY: ROB CHECKED BY: RJG/KRA

STRUCTURAL NOTES:

A. GENERAL

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER RENOVATION IS FULLY COMPLETED. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION INCLUDING PROVISIONS FOR CHANGEABLE WEATHER UNTIL THE BUILDING IS ENCLOSED AND CONDITIONED. THE CONTRACTOR SHALL DESIGN, INSTALL AND SUBSEQUENTLY REMOVE ANY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS NECESSARY TO MAINTAIN SAFETY AND STRUCTURAL STABILITY DURING CONSTRUCTION. STEEL COLUMNS HAVE NOT BEEN DESIGNED FOR, AND WILL NOT PROVIDE, TEMPORARY SUPPORT FOR COLUMNS AND CONNECTED FRAMING DURING CONSTRUCTION.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE TO FOLLOW ALL APPLICABLE SAFETY CODES, BUILDING CODES AND GOVERNING REGULATIONS WITH JURISDICTION OVER THE CONSTRUCTION SITE DURING ALL PHASES OF CONSTRUCTION.
3. EXISTING BUILDING: INSTALL TEMPORARY SUPPORTS AND OTHER MEASURES AS REQUIRED TO PREVENT DAMAGE TO THE EXISTING BUILDING DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION AND FINAL CLEARANCE OF REQUIRED NEEDLING, SHORING, UNDERPINNING OR BRACING OF THE EXISTING BUILDING. FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS WHICH AFFECT THE NEW CONSTRUCTION PRIOR TO THE START OF WORK. EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON THE ORIGINAL CONSTRUCTION DRAWINGS PROVIDED BY THE OWNER AND HAVE NOT BEEN CONFIRMED AND ARE NOT GUARANTEED. IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THAT SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS; DO NOT PROCEED WITH THAT PORTION OF WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.

B. FOUNDATIONS

1. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE OF ANY UNUSUAL SOIL CONDITIONS, SUCH AS UNEXPECTED SPRING OR SEEPAGE WATER, OR SOIL OF QUESTIONABLE BEARING CAPACITY.
2. BEAR ALL FOOTINGS ON FIRM UNDISTURBED SOIL OR ENGINEERED FILL HAVING A MINIMUM ALLOWABLE BEARING CAPACITY OF 1,500 POUNDS PER SQUARE FOOT.
3. RETAIN THE SERVICES OF A SOILS ENGINEER TO INSPECT AND APPROVE FOUNDATION EXCAVATIONS FOR THE BEARING CAPACITY INDICATED ABOVE. COORDINATE THE SCHEDULING OF THE SOILS ENGINEER'S SERVICES WITH THE ANTICIPATED DATE OF CONCRETE PLACEMENT.
4. KEEP FOUNDATION EXCAVATIONS FREE OF WATER AT ALL TIMES. REPLACE SOFT OR WEAKENED SOIL WITH (CLASS IV, LEAN) CONCRETE OR ENGINEERED FILL.
5. THE EXISTENCE OF UNDERGROUND STRUCTURES AND/OR UTILITIES IS NOT KNOWN. USE EXTREME CARE WHEN EXCAVATING SO AS NOT TO DISTURB ANY EXISTING UNDERGROUND STRUCTURES AND/OR UTILITIES. COORDINATE WITH THE SURVEY AND WITH THE OWNER TO OBTAIN ANY INFORMATION AVAILABLE REGARDING EXISTING UTILITIES.

C. REINFORCED CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING STANDARDS:
 - a. ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE," BY THE AMERICAN CONCRETE INSTITUTE (ACI), EXCEPT AS SPECIFICALLY MODIFIED IN THE SPECIFICATIONS AND/OR HEREIN.
 - b. ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE" BY THE AMERICAN CONCRETE INSTITUTE (ACI).
 - c. CONCRETE PLACEMENT AND CURING PROCEDURES SHALL CONFORM TO ACI 306 "HOT WEATHER CONCRETING" AND ACI 306 "COLD WEATHER CONCRETING."
 - d. ALL REINFORCING CAGES SHALL CONFORM TO ACI 318 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
2. MATERIALS
 - a. STRUCTURAL CONCRETE

CLASS	LOCATION	f'c (psi)
I	FOOTINGS	3,000
II	INTERIOR SLABS ON GRADE, ROOF PATCHING/FILL, AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	3,500
III	EXTERIOR SLABS ON GRADE AND ALL EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4,000 (with air)
IV	BACKFILL BELOW FOOTINGS	1,500
 - b. ALL DEFORMED REINFORCING BARS: ASTM A615, GRADE 60.
 - c. ALL WELDED WIRE FABRIC: ASTM A185, DELIVERED IN FLAT SHEETS.
3. MISCELLANEOUS
 - a. INSTALL CORNER BARS AT FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING. PROVIDE A MINIMUM LENGTH OF 46 BAR DIAMETERS FOR EACH LEG.
 - b. INSTALL LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS AND TRENCHES.

D. ENGINEERED MASONRY CONSTRUCTION

1. ALL MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING STANDARDS:
 - a. ACI 530/ASCE 5/TMS 402 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES."
 - b. ACI 530/ASCE 5/TMS 402 "SPECIFICATION FOR MASONRY STRUCTURES."
 - c. CONFORM COLD WEATHER MASONRY CONSTRUCTION TO PARAGRAPH 1.8.C.
 - d. CONFORM HOT WEATHER MASONRY CONSTRUCTION TO PARAGRAPH 1.8.D.
2. MATERIALS
 - a. CONCRETE BLOCK: ASTM C90, MINIMUM NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS: 2,500 PSI.
 - b. MORTAR: TYPE S, MINIMUM COMPRESSIVE STRENGTH: 1,800 PSI.
 - c. BOND BEAM AND CORE FILL: ASTM C476, COARSE TYPE, MINIMUM COMPRESSIVE STRENGTH: 2,500 PSI.
 - d. JOINT REINFORCING: HOT-DIPPED GALVANIZED FINISH, 9 GAGE MINIMUM SIDE WIRES AND CROSS WIRES.
 - e. BAR REINFORCING: ASTM A615, GRADE 60.

E. STRUCTURAL LINTELS

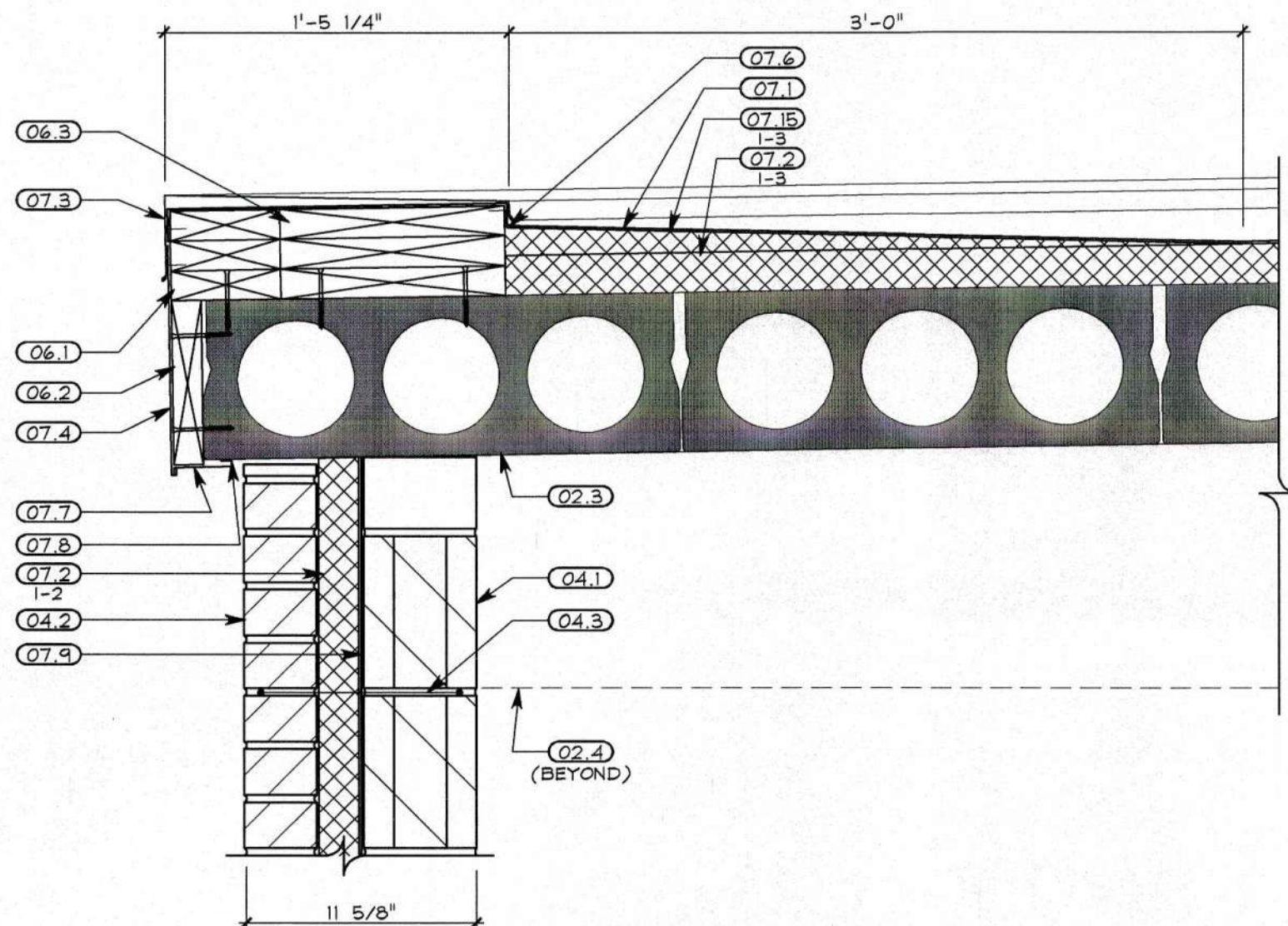
1. INSTALL LINTELS OVER ALL OPENINGS IN MASONRY WALLS AND MASONRY VENEER. REFER TO ARCHITECTURAL AND HVAC DRAWINGS FOR LOCATION, NUMBER AND SIZES OF OPENINGS. FOR LINTELS NOT LABELED OR SHOWN ON THE STRUCTURAL DRAWINGS, APPLY NOTES 2 THROUGH 4 BELOW.
2. FOR LINTELS OVER OPENINGS IN MASONRY WALLS 6'-4" WIDE OR LESS, INSTALL THE MEMBER LISTED BELOW FOR EACH 4 INCHES OF WALL THICKNESS (USE 6" MINIMUM BEARING EACH END). IN CAVITY WALLS, ADD VENEER LINTEL FROM NOTE 4 AND CONTINUOUS BOTTOM PLATE 5/16" X (WALL "T"-1/2") AND STOP PLATE 1/4" SHORT OF JAMBS.
3. FOR LINTELS OVER OPENINGS IN MASONRY WALLS GREATER THAN 6'-4" WIDE, INSTALL THE BEAM SECTION LISTED BELOW WITH 7-1/2" MINIMUM BEARING EACH END AND CONTINUOUS BOTTOM PLATE 5/16" X (WALL "T"-1/2"). STOP PLATE 1/4" SHORT OF JAMBS. IN CAVITY WALLS, ADD VENEER LINTEL FROM NOTE 4.
4. FOR LINTELS OVER OPENINGS IN VENEER 10'-0" WIDE OR LESS, INSTALL THE MEMBER LISTED BELOW (USE 6" MINIMUM BEARING EACH END).

MASONRY OPENING	SECTION
TO 4'-0"	L3-1/2 X 3-1/2 X 5/16
4'-1" TO 5'-4"	L4 X 3-1/2 X 5/16 LLV
5'-5" TO 6'-4"	L5 X 3-1/2 X 5/16 LLV

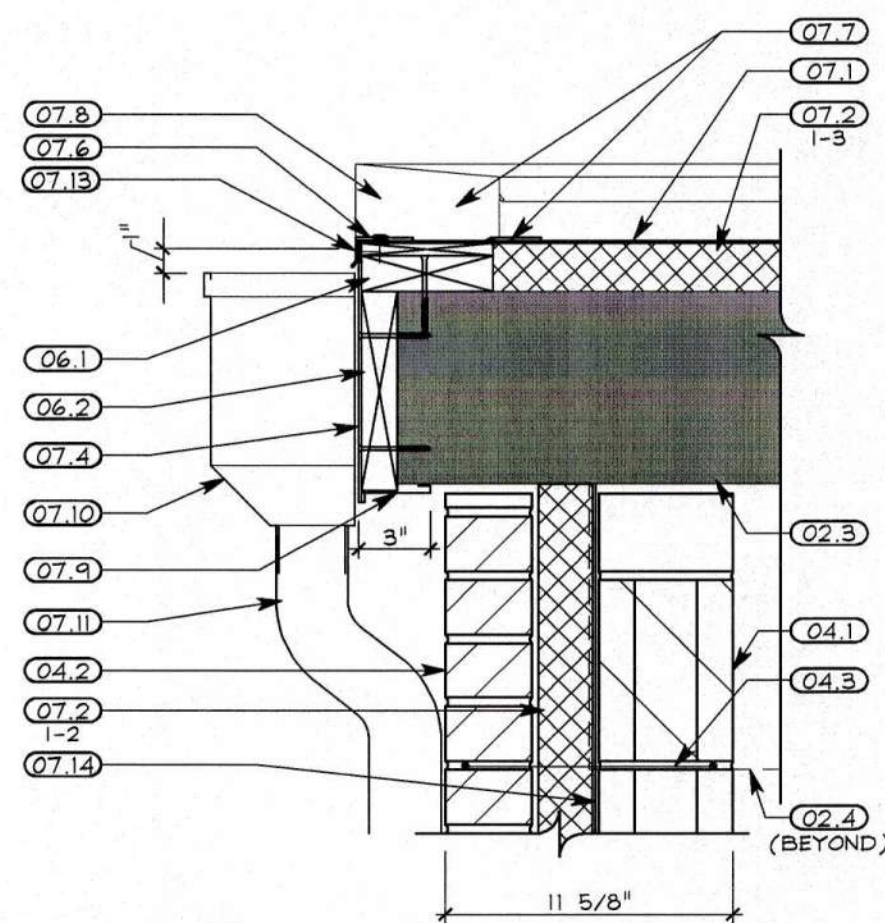
MASONRY OPENING	SECTION
6'-5" TO 8'-0"	W 8 X 18
8'-1" TO 12'-0"	W 8 X 21

MASONRY OPENING	SECTION
TO 4'-0"	L3-1/2 X 3-1/2 X 5/16
4'-1" TO 5'-4"	L4 X 3-1/2 X 5/16 LLV
5'-5" TO 6'-4"	L5 X 3-1/2 X 5/16 LLV
6'-5" TO 8'-0"	L6 X 3-1/2 X 5/16 LLV
8'-1" TO 10'-0"	L7 X 4 X 3/8 LLV

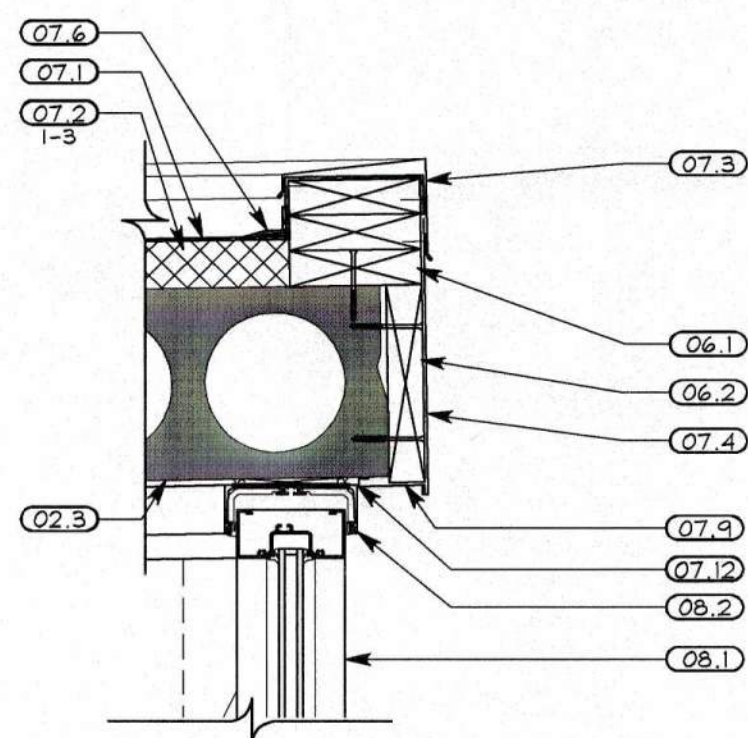
- a. W SHAPES: CONFORM TO ASTM A992, Fy = 50 KSI.
- b. ANGLES AND PLATES: CONFORM TO ASTM A36, Fy = 36 KSI.
- c. WELDS: SERIES E70 ELECTRODES.



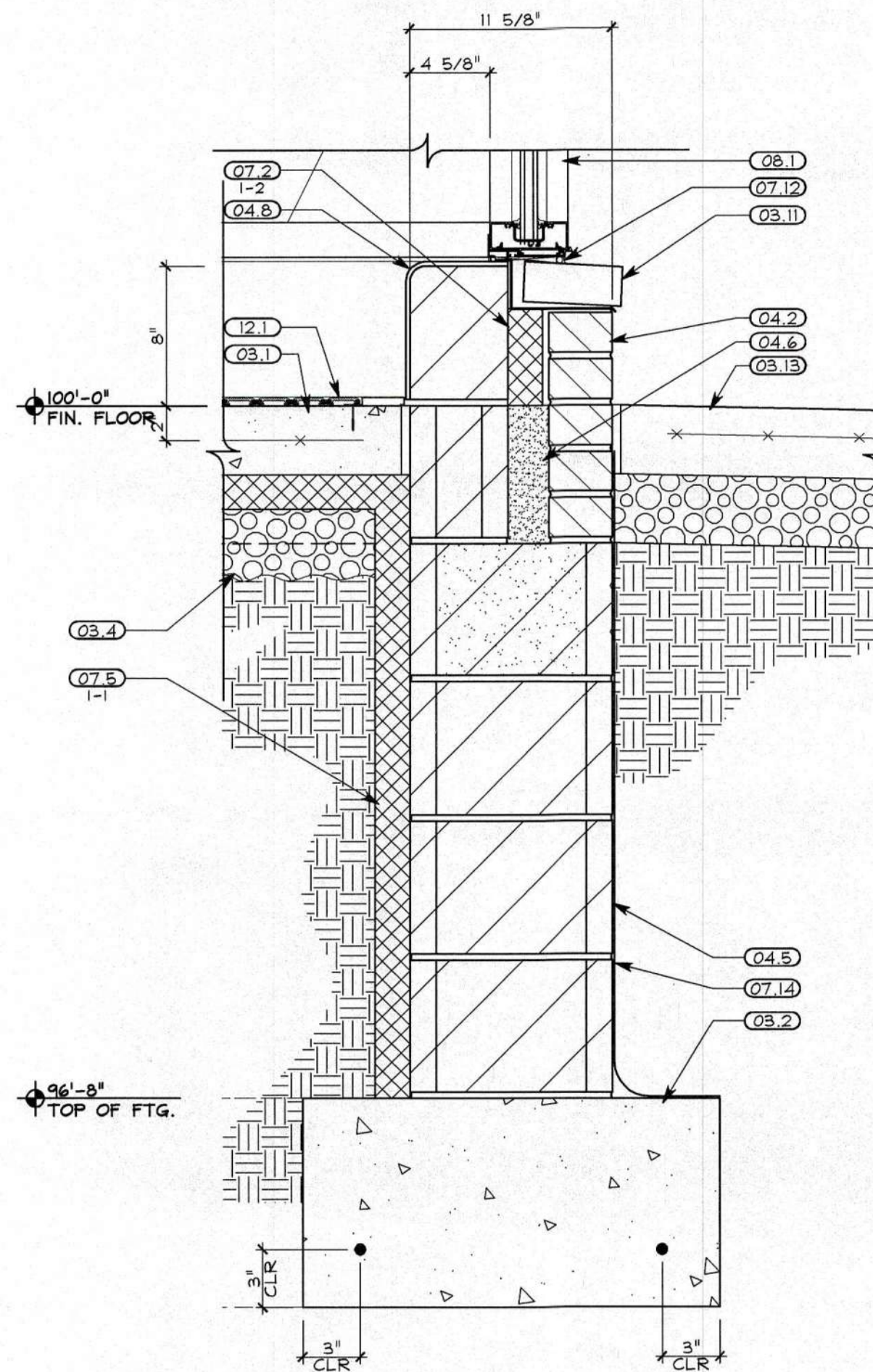
EXTERIOR DETAIL G
1 1/2" = 1'-0"



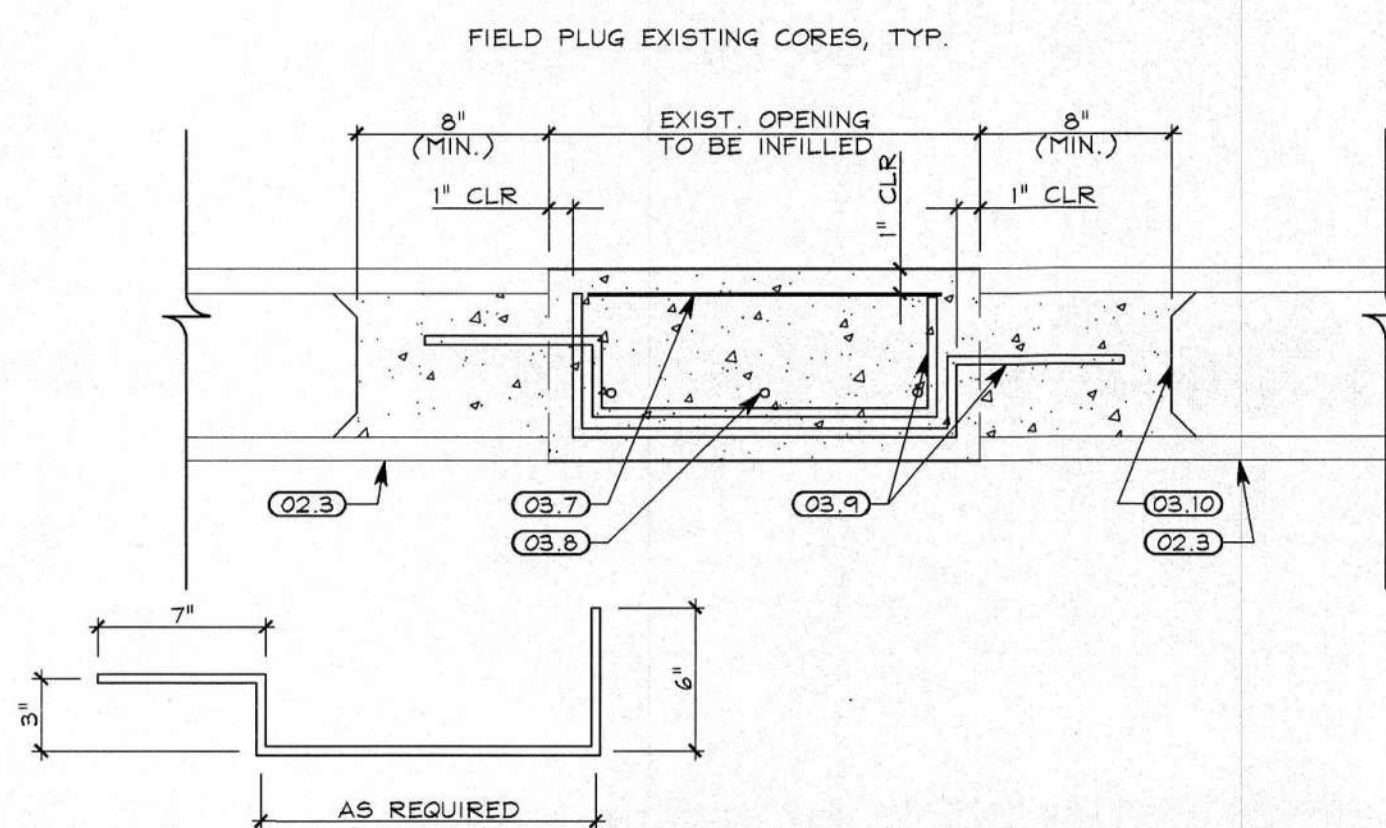
EXTERIOR DETAIL F
1 1/2" = 1'-0"



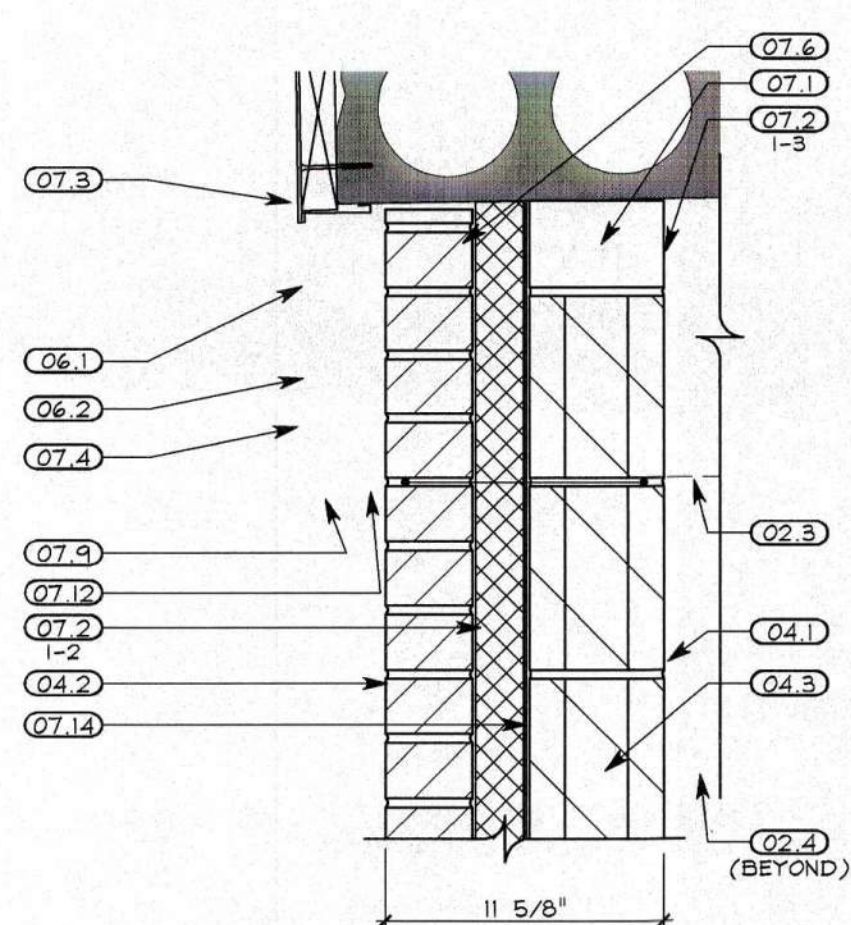
EXTERIOR DETAIL E
1 1/2" = 1'-0"



EXTERIOR DETAIL D
1 1/2" = 1'-0"



EXTERIOR DETAIL C
1 1/2" = 1'-0"



EXTERIOR DETAIL B
1 1/2" = 1'-0"

GENERAL NOTES: EXTERIOR DETAILS

1. REFER TO FLOOR PLAN AND DOOR AND WINDOW SCHEDULES FOR ADDITIONAL INFORMATION.
2. REFER TO INSULATION SCHEDULE (A9.1) FOR ALL INSULATION TYPES.
3. REFER TO GENERAL FLASHING NOTES (A9.1) FOR FLASHING REQUIREMENTS.

CODED NOTES: EXTERIOR DETAILS

DIVISION 01 - GENERAL REQUIREMENTS

- 01.1 - FINISHED GRADE

DIVISION 02 - EXISTING CONDITIONS

- 02.1 - EXISTING COMPACTED FILL, RE-LEVEL AS REQUIRED FOR NEW CONCRETE POUR.
- 02.2 - EXISTING CONCRETE FOUNDATION AND FOOTER. DO NOT DISTURB UNLESS OTHERWISE NOTED.
- 02.3 - EXISTING CONCRETE ROOF DECK, CLEAN AND REFINISH, REFER TO FINISH SCHEDULE.
- 02.4 - EXISTING PRECAST CONCRETE BEAM, CLEAN AND REFINISH, REFER TO FINISH SCHEDULE.

DIVISION 03 - CONCRETE

- 03.1 - NEW 4" CONCRETE SLAB REINFORCED WITH 6"x6"-W4-W4.4 WELDED WIRE FABRIC PLACED AT MID-DEPTH OF SLAB.
- 03.2 - 2'-0" x 1'-0" CONCRETE FOOTING CENTERED UNDER C.M.U. FOUNDATION WALL W/ (2) #5 REBAR CONTINUOUS.
- 03.3 - PAVEMENT.
- 03.4 - 4" GRAVEL BASE WITH VAPOR BARRIER AT MID DEPTH FOR INTERIOR SLABS.
- 03.5 - CONCRETE CURB.
- 03.6 - NEW 6" CONCRETE SIDEWALK REINFORCED WITH 6"x6"-W4-W4.4 WELDED WIRE FABRIC PLACED AT MID-DEPTH OF SLAB.
- 03.7 - 6"x6"-W4-W4.4 WELDED WIRE FABRIC.
- 03.8 - #5 BARS AT 8" O.C. (3) MIN. PER OPENING.
- 03.9 - #3 DOWEL BENT, PROVIDE AT EACH CORE, BUT NO LESS THAN (3) FROM EACH SIDE.
- 03.10 - FIELD PLUG EXISTING CORES, TYP.
- 03.11 - PRECAST CONCRETE SILL.
- 03.12 - EXPANSION JOINT AND SEALANT.
- 03.13 - CONCRETE SIDEWALK, SEE DETAILS C,D, AND E/A3.1. REFER TO SPECIFICATIONS FOR UNIT PRICE AND DIMENSIONS.

DIVISION 04 - MASONRY

- 04.1 - 6" CONCRETE MASONRY UNIT, REFER TO FLOOR PLANS AND FINISH SCHEDULE FOR LOCATIONS.
- 04.2 - 4" STANDARD FACE BRICK.
- 04.3 - HORIZONTAL MASONRY REINFORCEMENT @ 16" O.C.
- 04.4 - THRU-WALL FLASHING W/ KEEPS @ 24" O.C.
- 04.5 - 12" C.M.U. WITH CONTINUOUS SOLIDLY GROUTED TOP COURSE.
- 04.6 - GROUT CAVITY SOLID TOP OF FOUNDATION TO FINISHED FLOOR.
- 04.7 - GLAZED C.M.U. WITH COVE BASE.
- 04.8 - PROVIDE BULLNOSE FINISH AT EXPOSED EDGES.

DIVISION 05 - WOOD, PLASTICS & COMPOSITES

- 05.1 - 2X6 PRESSURE TREATED WOOD BLOCKING CONT. AROUND PERIMETER OF EXISTING CONC. ROOF DECK, SECURE BLOCKING TO EXISTING PRECAST CONCRETE PLANKS WITH 3/8" DIAMETER X 3" LONG GALVANIZED CONCRETE SCREWS AT 24" O.C., STAGGERED TOP-TO-BOTTOM, INTO SOLID OR GROUT FILLED CONCRETE.
- 05.2 - 2X PRESSURE TREATED WOOD FASCIA CONT. AROUND PERIMETER OF EXISTING CONC. ROOF DECK, SECURE BLOCKING TO EXISTING PRECAST CONCRETE PLANKS WITH 3/8" DIAMETER X 3" LONG GALVANIZED CONCRETE SCREWS AT 24" O.C. INTO SOLID OR GROUT FILLED CONCRETE.
- 05.3 - 2X12 PRESSURE TREATED WOOD BLOCKING, SECURE BLOCKING TO EXISTING PRECAST CONCRETE PLANKS WITH 3/8" DIAMETER X 3" LONG GALVANIZED CONCRETE SCREWS AT 24" O.C., STAGGERED TOP-TO-BOTTOM, INTO SOLID OR GROUT FILLED CONCRETE.

DIVISION 07 - THERMAL & MOISTURE PROTECTION

- 07.1 - SINGLE PLY ROOF MEMBRANE.
- 07.2 - 2" RIGID INSULATION, REFER TO INSULATION SCHEDULE.
- 07.3 - PREFINISHED METAL COPING.
- 07.4 - PREFINISHED METAL FASCIA WRAP.
- 07.5 - 2" RIGID PERIMETER INSULATION FROM TOP OF FOOTING TO 30" HORIZONTAL, REFER TO INSULATION SCHEDULE.
- 07.6 - SINGLE PLY ROOF FLASHING INSTALLED PER MFR'S SPECIFICATIONS.
- 07.7 - SINGLE PLY ROOF MEMBRANE AT SCUPPER, MIN. 2" OVERLAP AT EDGE, EXTEND MEMBRANE OVER WOOD BLOCKING AT SIDES.
- 07.8 - PREFINISHED METAL COPING END CAP.
- 07.9 - PREFINISHED METAL FLASHING/DRIP EDGE.
- 07.10 - PREFINISHED METAL CONDUCTOR HEAD.
- 07.11 - PREFINISHED METAL DOWNSPOUT.
- 07.12 - SEALANT WITH BACKER ROD AS REQUIRED.
- 07.13 - PREFINISHED GRAVEL STOP.
- 07.14 - DAMPROOFING.

DIVISION 08 - OPENINGS

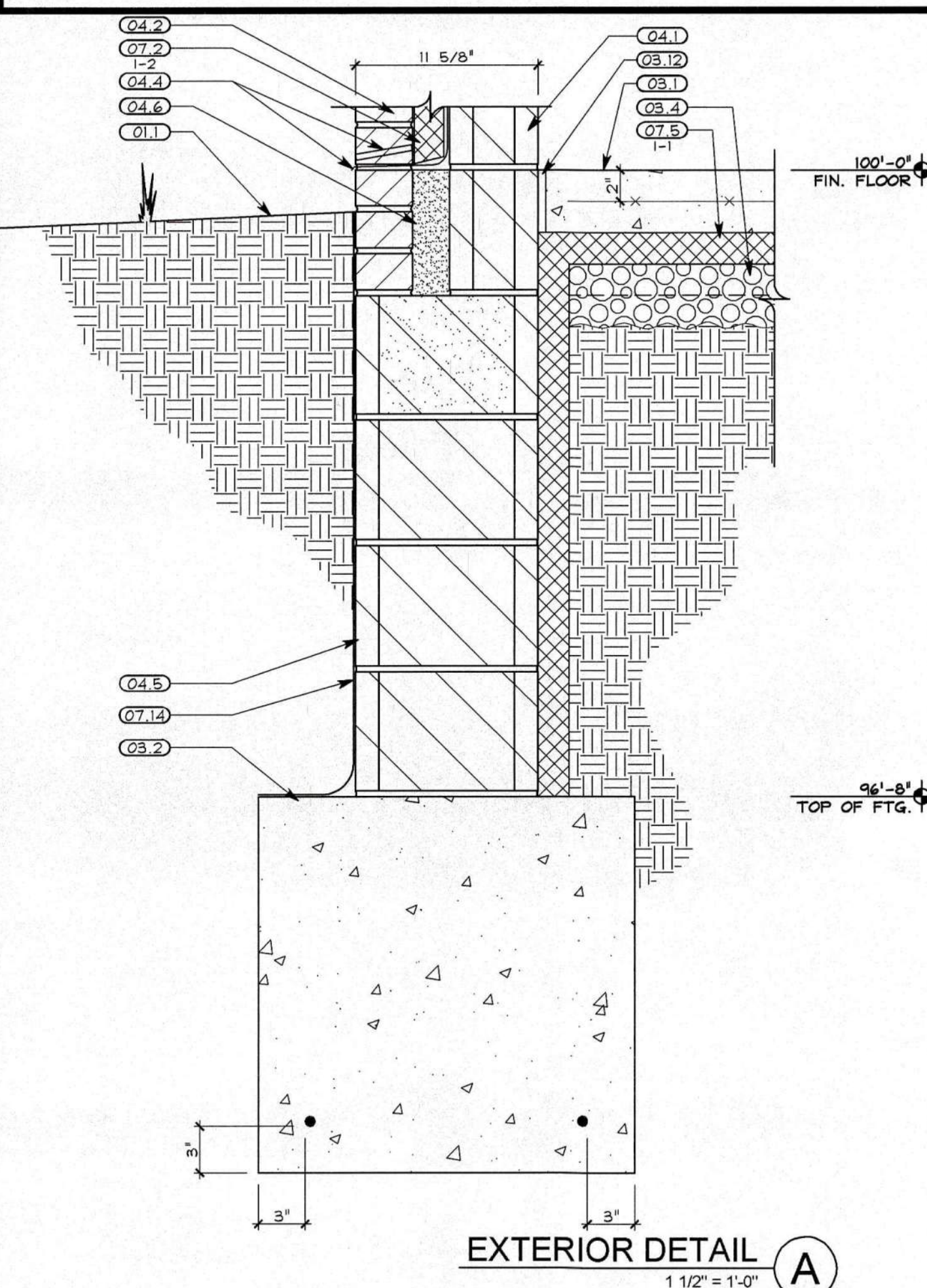
- 08.1 - ALUMINUM STOREFRONT DOOR AND WINDOW SYSTEM. (SEE WINDOW AND DOOR SCHEDULES).
- 08.2 - ALUMINUM COMPENSATING RECEIVER.

DIVISION 09 - FINISHES

- 09.1 - TERRAZZO FLOORING SYSTEM.

DIVISION 12 - FURNISHINGS

- 12.1 - ROLL UP GRID WALK-OFF MAT W/ FRAME. SEE DETAIL D/A9.2 REFER TO SPECIFICATIONS.



EXTERIOR DETAIL A
1 1/2" = 1'-0"

EXTERIOR DETAILS

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SAI # 09061703

DRAWING NUMBER:

A4.1

DOT-090005.07
REST AREAS RENOVATIONS
AREA NO. 1036, DISTRICT 10
US-35 W. GALLIA COUNTY, OHIO

DRAWN BY: RCB CHECKED BY: RGJKRA

PLOTTED: 10/26/2011 3:46 PM

REVISIONS:
RECORD DOCUMENTS

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DATE ISSUED:
28-OCT-11

PARTITION GENERAL NOTES

- 1. PROVIDE METAL TRIM WHERE GYPSUM BOARD SHEATHING ABUTTS MASONRY, CONCRETE, OR PLYWOOD AND IS VISIBLE.
- 2. REFER TO EXTERIOR DETAILS FOR ALL EXTERIOR WALL ASSEMBLIES.

PARTITION SCHEDULE

TYPE	DEPTH	POCHE	RATING	TESTING	TYPE	DEPTH	POCHE	RATING	TESTING
1	6"		-	-	3	4"		-	-
2	4"		-	-	4	6"		-	-

EXISTING CONC. PLANK ROOF DECK

GLAZED C.M.U. W/ GLAZING ON TOILET ROOM SIDE ONLY (REFER TO PLANS & FINISH SCHEDULE)

HORIZ. JOINT REINFORCEMENT @ 16" O.C. VERT. TYP. U.N.O.

FINISH FLOOR (REFER TO FINISH SCHEDULE)

TYPE 1,2
N.T.S

EXISTING CONC. PLANK ROOF DECK

GLAZED C.M.U. W/ GLAZING ON BOTH SIDES (REFER TO PLANS & FINISH SCHEDULE)

HORIZ. JOINT REINFORCEMENT @ 16" O.C. VERT. TYP. U.N.O.

TYPE 3, 4
N.T.S

GENERAL ROOM FINISH SCHEDULE NOTES

- 1. THE GENERAL ROOM FINISH SCHEDULE NOTES ARE TO BE IMPLIED FOR ALL ROOMS AS INDICATED, WHETHER OR NOT REFERENCED FROM THE ROOM FINISH SCHEDULE.
- 2. PAINT C.M.U. WALLS/PARTITIONS ONLY. EXPOSED PRE-MANUFACTURED STRUCTURAL ELEMENTS TO BE MANUFACTURERS STANDARD FACTORY FINISH WHERE APPLICABLE.
- 3. INTERIOR WALL AND CEILING FINISHES SHALL HAVE THE REQUIRED CLASSIFICATION PER OBC TABLE 803.5 AS TESTED IN ACCORDANCE WITH NFPA 286.
- 4. INTERIOR FLOOR FINISHES SHALL HAVE THE REQUIRED CLASSIFICATION PER OBC SECTION 804 AS TESTED IN ACCORDANCE WITH NFPA 253.
- 5. TYPE OF PAINT UTILIZED FOR DOOR/WINDOW FRAMES SHALL MATCH THE TYPE OF PAINT UTILIZED FOR ADJACENT WALLS (EPOXY VS. REGULAR).

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR			BASE		WALLS			CEILING			DOOR/WINDOW FRAMES		REMARKS	NO.
		SUBSTRATE	FINISH	COLOR	FINISH	COLOR	SUBSTRATE	FINISH	COLOR	FINISH	COLOR	HEIGHT (A.F.F.)	FINISH	COLOR		
100	VESTIBULE	CONCRETE	WALK-OFF MAT	T.B.D.	GLAZED CMU	TBD	CMU	GLAZED CMU	TBD	PAINTED STRUCTURE	T.B.D.	VARIES	ALUMINUM PREFINISHED	MED. BRONZE ANODIZED	SEE DETAIL D/A9.2	100
101	LOBBY	CONCRETE	TERRAZZO	T.B.D.	GLAZED CMU W/ COVED BASE	T.B.D.	CMU	GLAZED CMU	T.B.D.	PAINTED STRUCTURE	T.B.D.	VARIES	ALUMINUM PREFINISHED	MED. BRONZE ANODIZED	-	101
102	FAMILY RESTROOM	CONCRETE	TERRAZZO	T.B.D.	GLAZED CMU W/ COVED BASE	T.B.D.	CMU	GLAZED CMU	T.B.D.	PAINTED GWB	T.B.D.	7'-6"	HM - PAINTED	T.B.D.	-	102
103	WOMENS	CONCRETE	TERRAZZO	T.B.D.	GLAZED CMU W/ COVED BASE	T.B.D.	CMU	GLAZED CMU	T.B.D.	PAINTED STRUCTURE	T.B.D.	VARIES	ALUMINUM PREFINISHED	MED. BRONZE ANODIZED	-	103
104	MECHANICAL	CONCRETE	SEALED CONC.	-	-	-	STANDARD CMU	PAINTED	T.B.D.	PAINTED STRUCTURE	T.B.D.	VARIES	HM - PAINTED	T.B.D.	-	104
105	JANITOR	CONCRETE	SEALED CONC.	-	-	-	STANDARD CMU	PAINTED	T.B.D.	PAINTED STRUCTURE	T.B.D.	VARIES	HM - PAINTED	T.B.D.	-	105
106	MENS	CONCRETE	TERRAZZO	T.B.D.	GLAZED CMU W/ COVED BASE	T.B.D.	CMU	GLAZED CMU	T.B.D.	PAINTED STRUCTURE	T.B.D.	VARIES	ALUMINUM PREFINISHED	MED. BRONZE ANODIZED	-	106
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DIVISION 9

ROOM FINISH & PARTITION SCHEDULES

REST AREAS RENOVATIONS
AREA NO. 1036, DISTRICT 10
US-35 W, GALLIA COUNTY, OHIO



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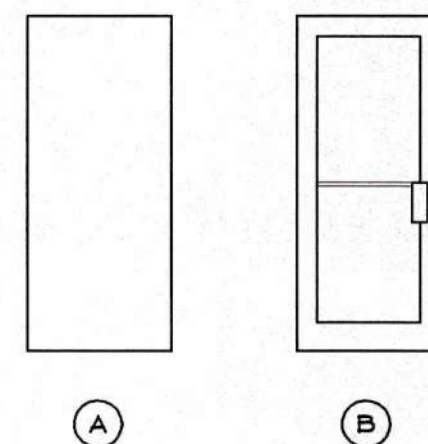
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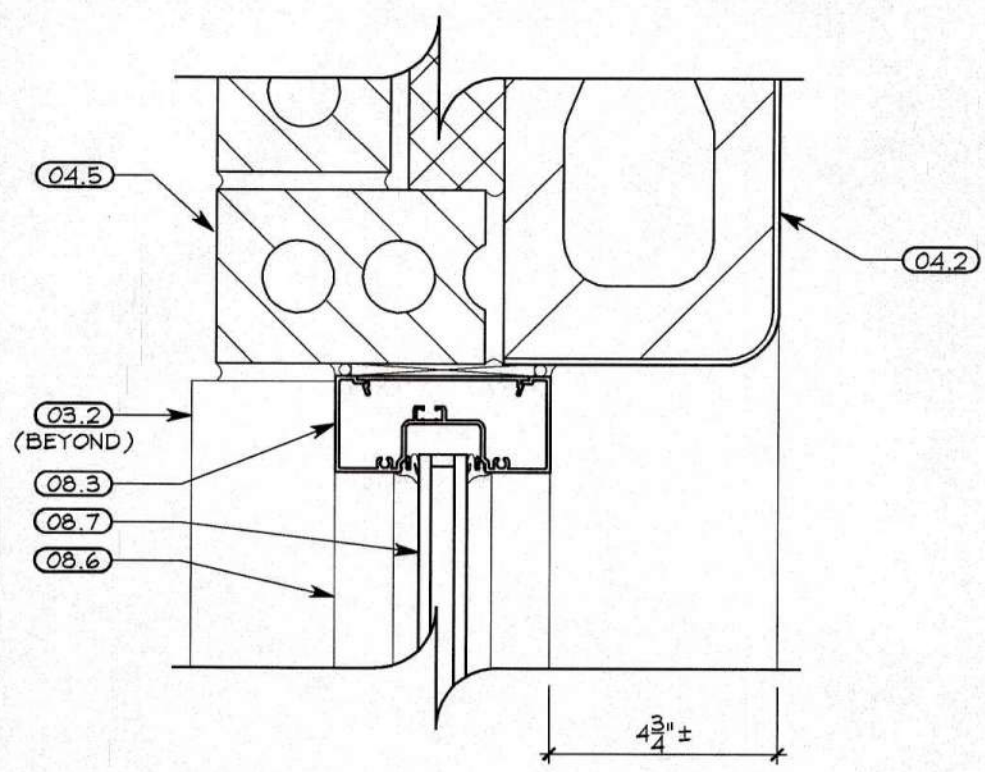
DATE ISSUED:
28 OCT-11

DIVISION 8

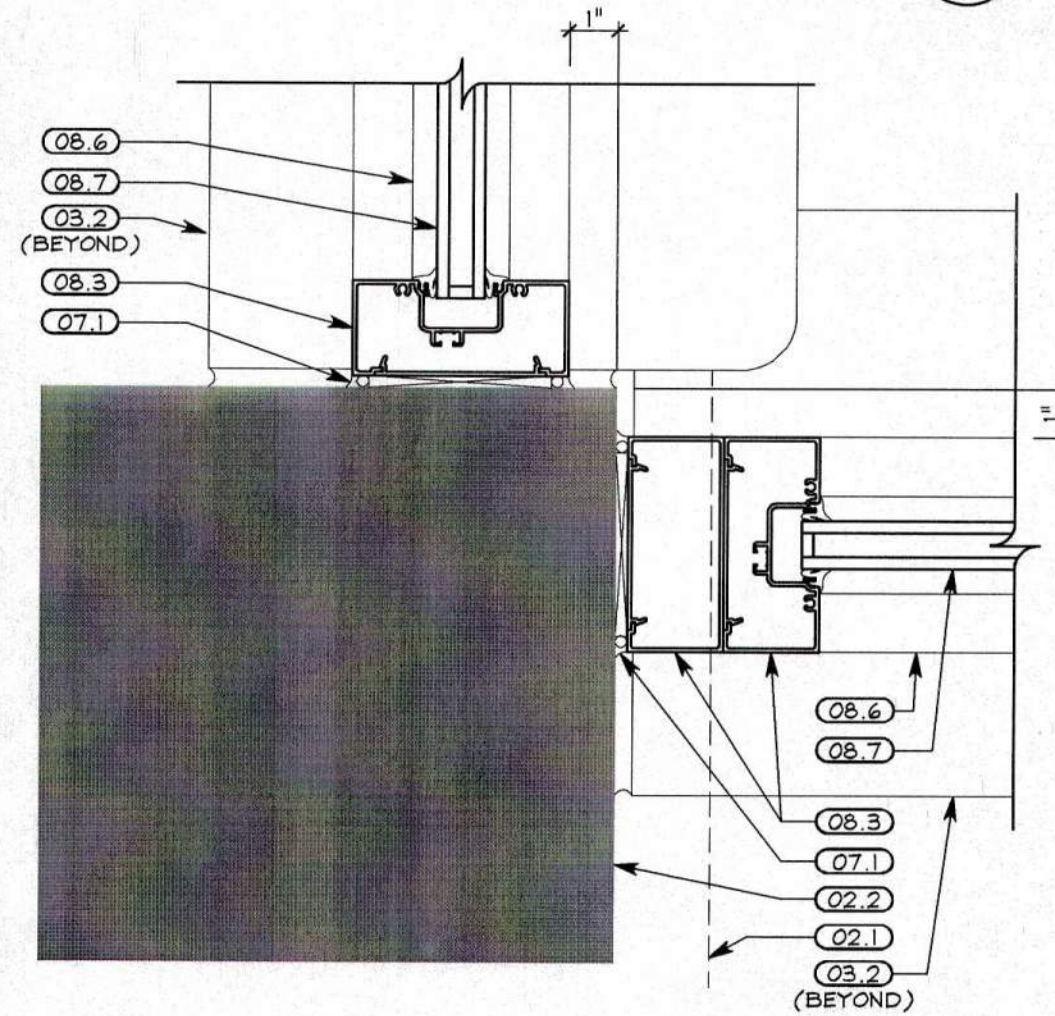
1. ALL INTERIOR DOORS SHALL BE UNDERCUT $\frac{1}{2}$ " U.N.O.

1. ALL INTERIOR DOORS SHALL BE UNDERCUT $\frac{1}{2}$ " U.N.O.
2. REFER TO GENERAL FLASHING REQUIREMENTS FOR FLASHING CONDITION AT ALL EXTERIOR DOORS. PROVIDE WETHER STRIPPING AND DRIP AS REQUIRED.
3. REFER TO JOINT SEALANT SCHEDULE FOR CONDITION AT ALL HOLLOW METAL FRAME LOCATIONS. HOLD FRAMES BACK FROM SUBSTRATE AS NOTED.

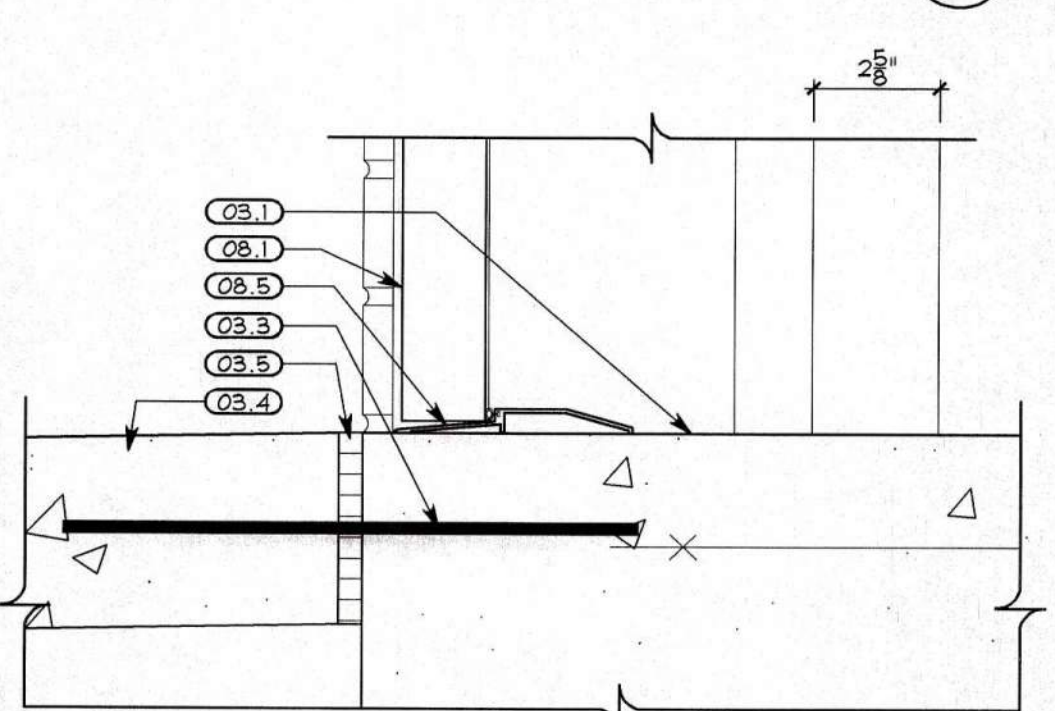




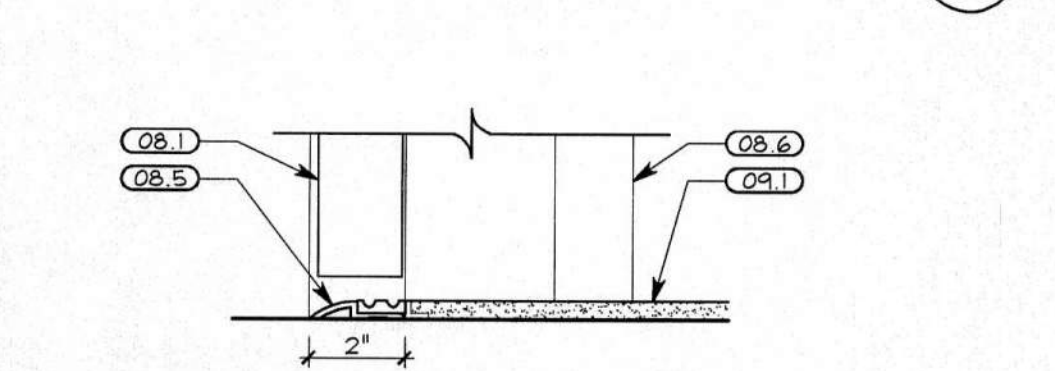
DETAIL Z
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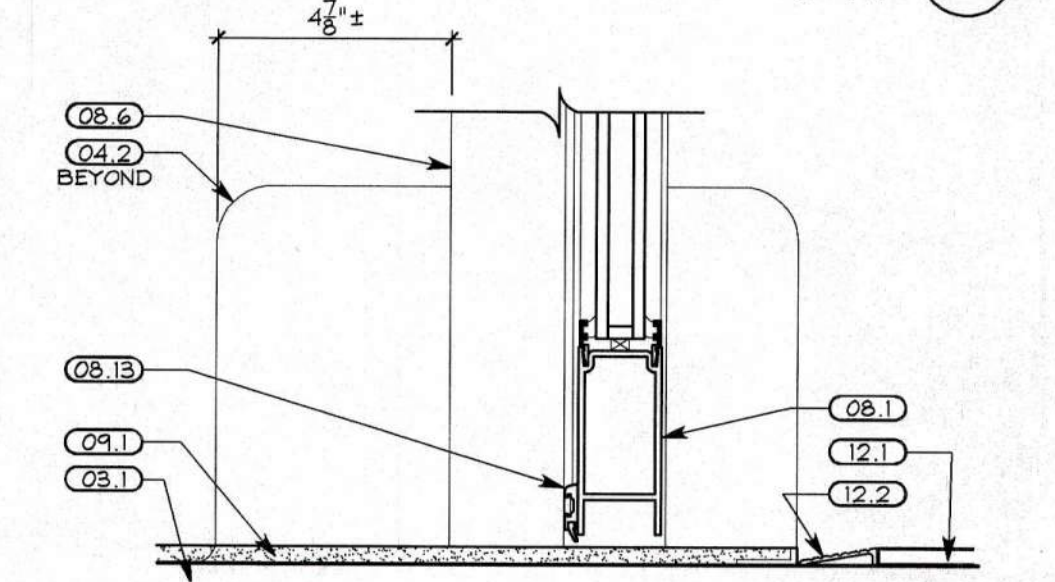
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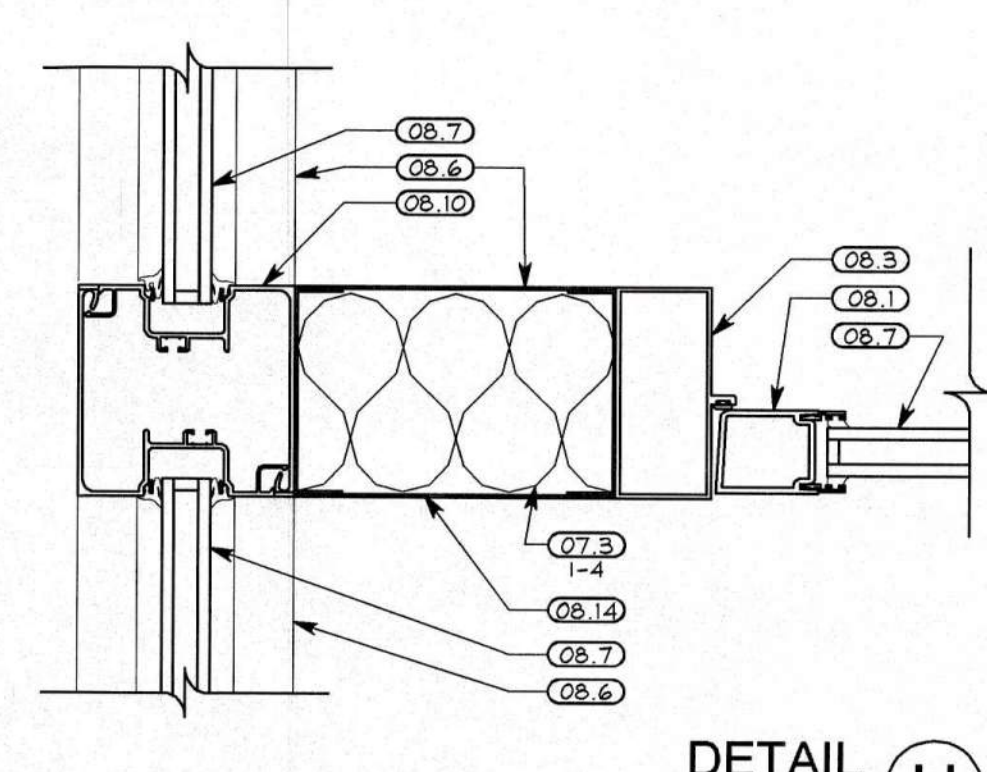
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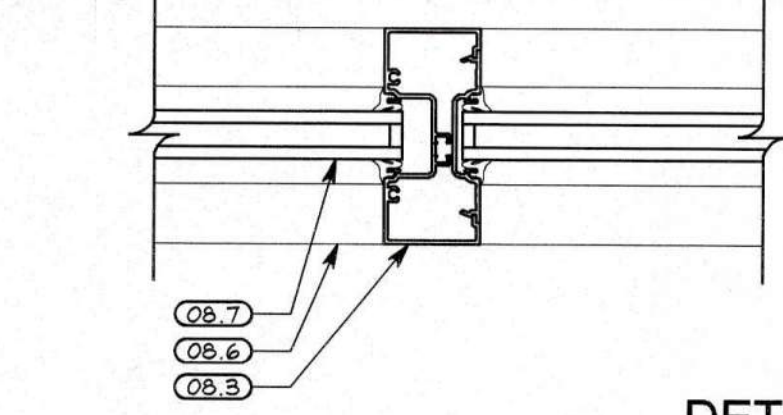
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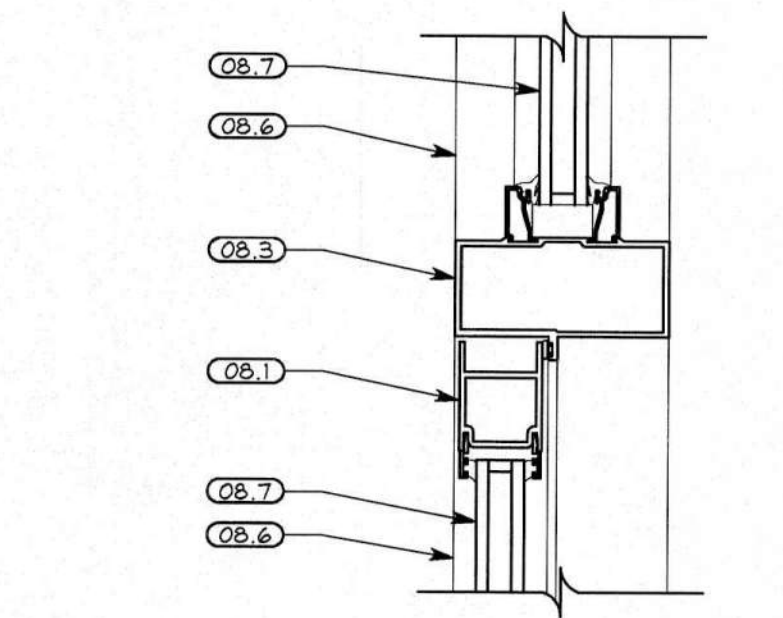
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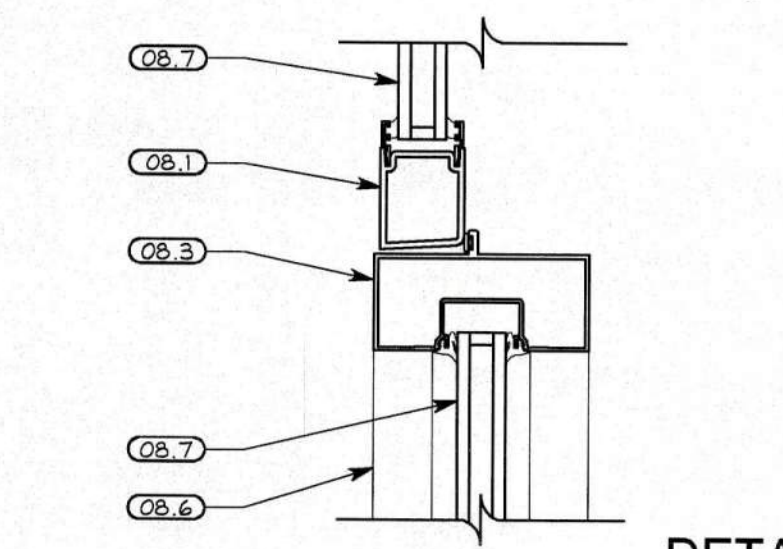
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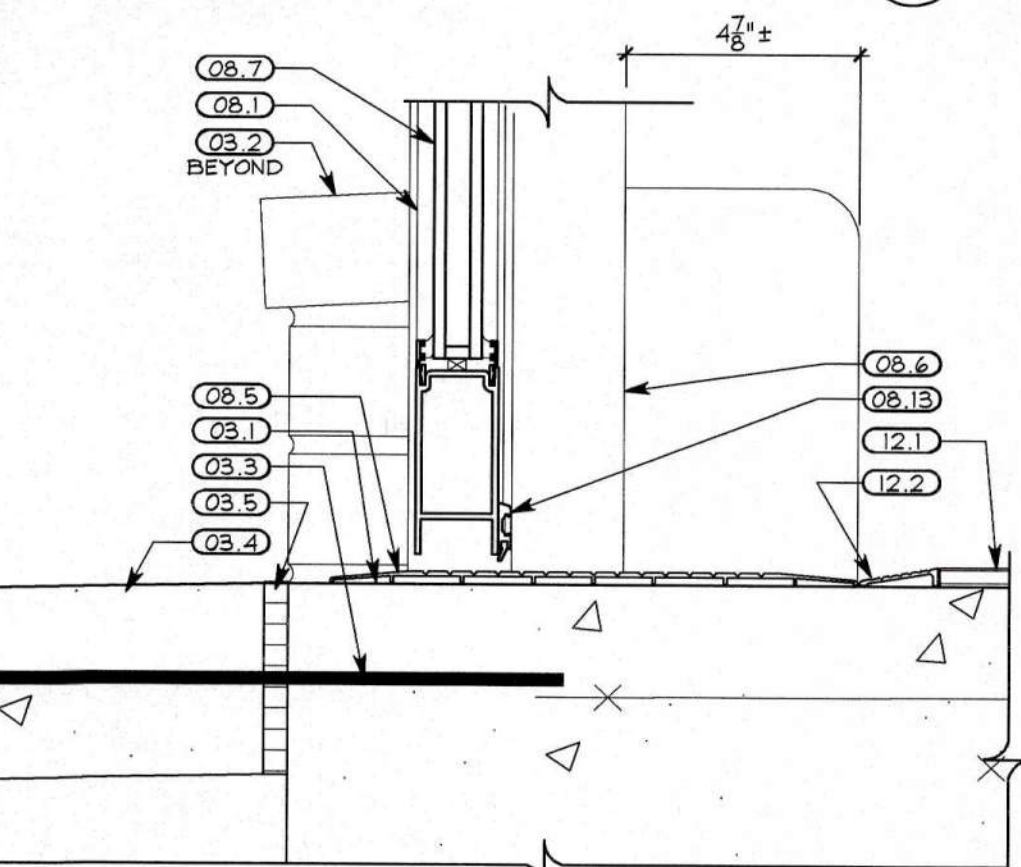
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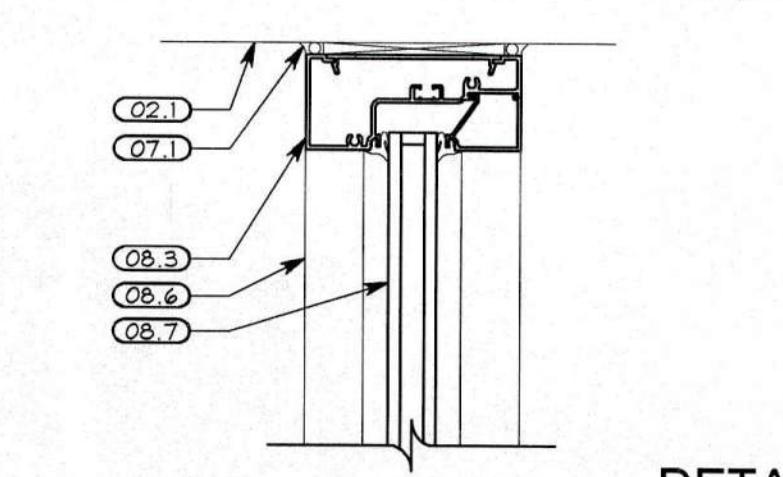
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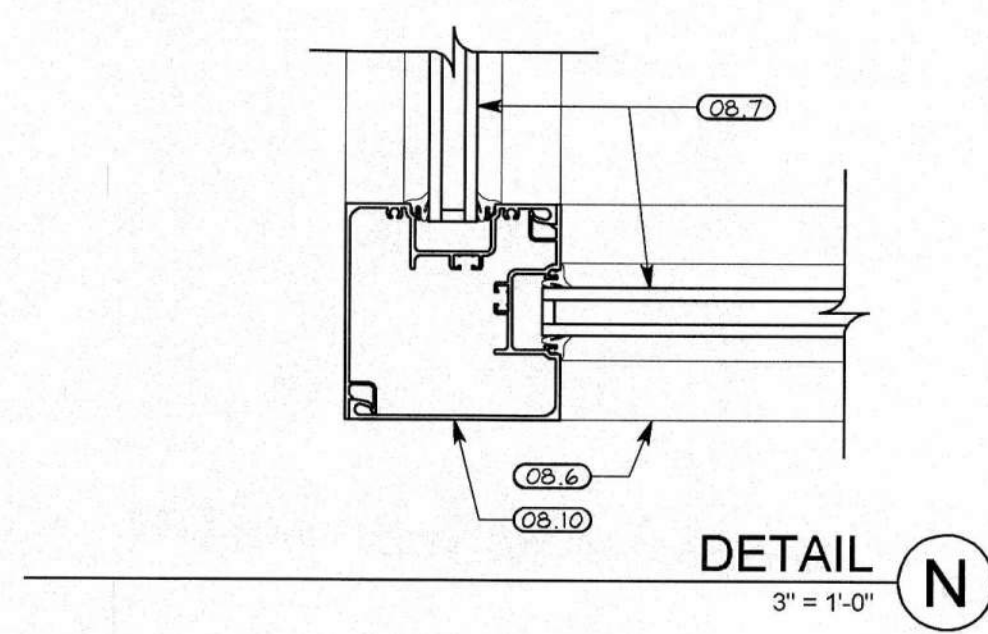
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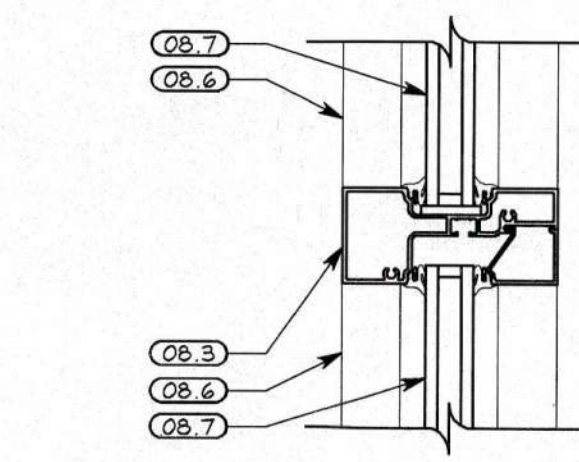
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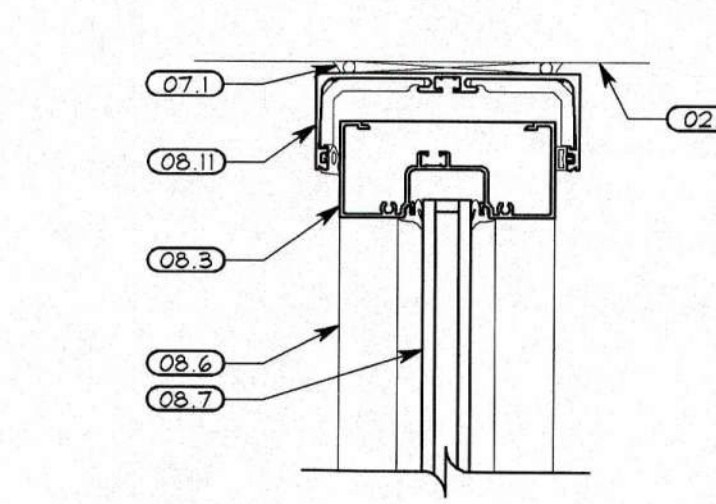
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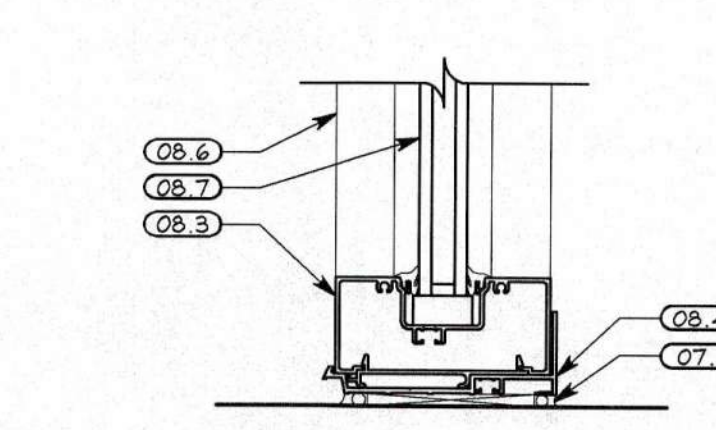
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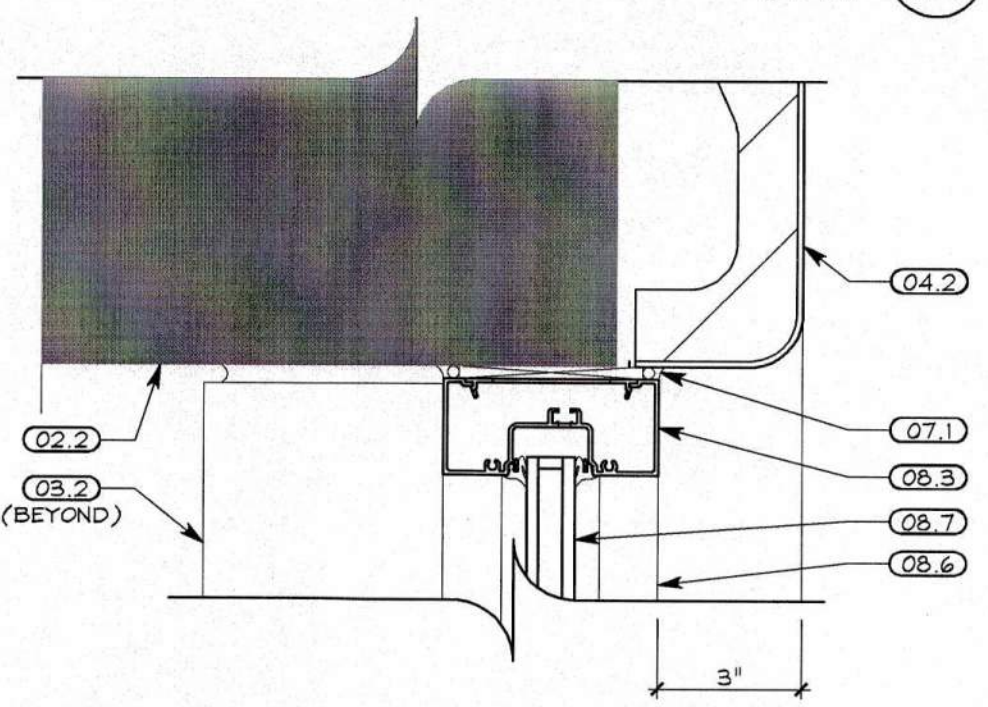
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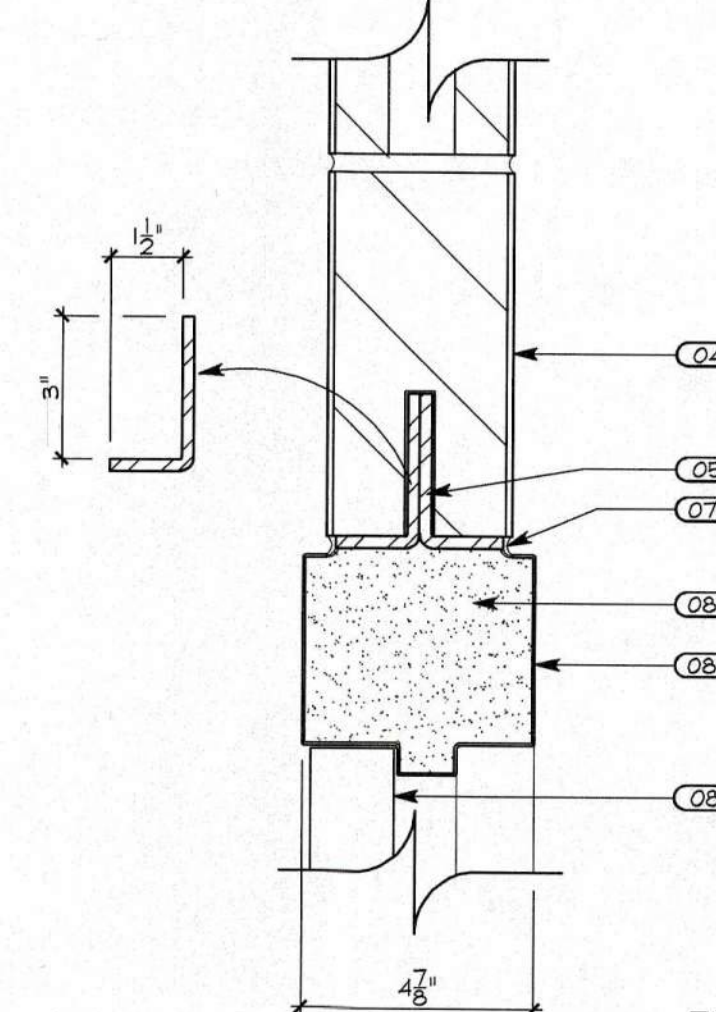
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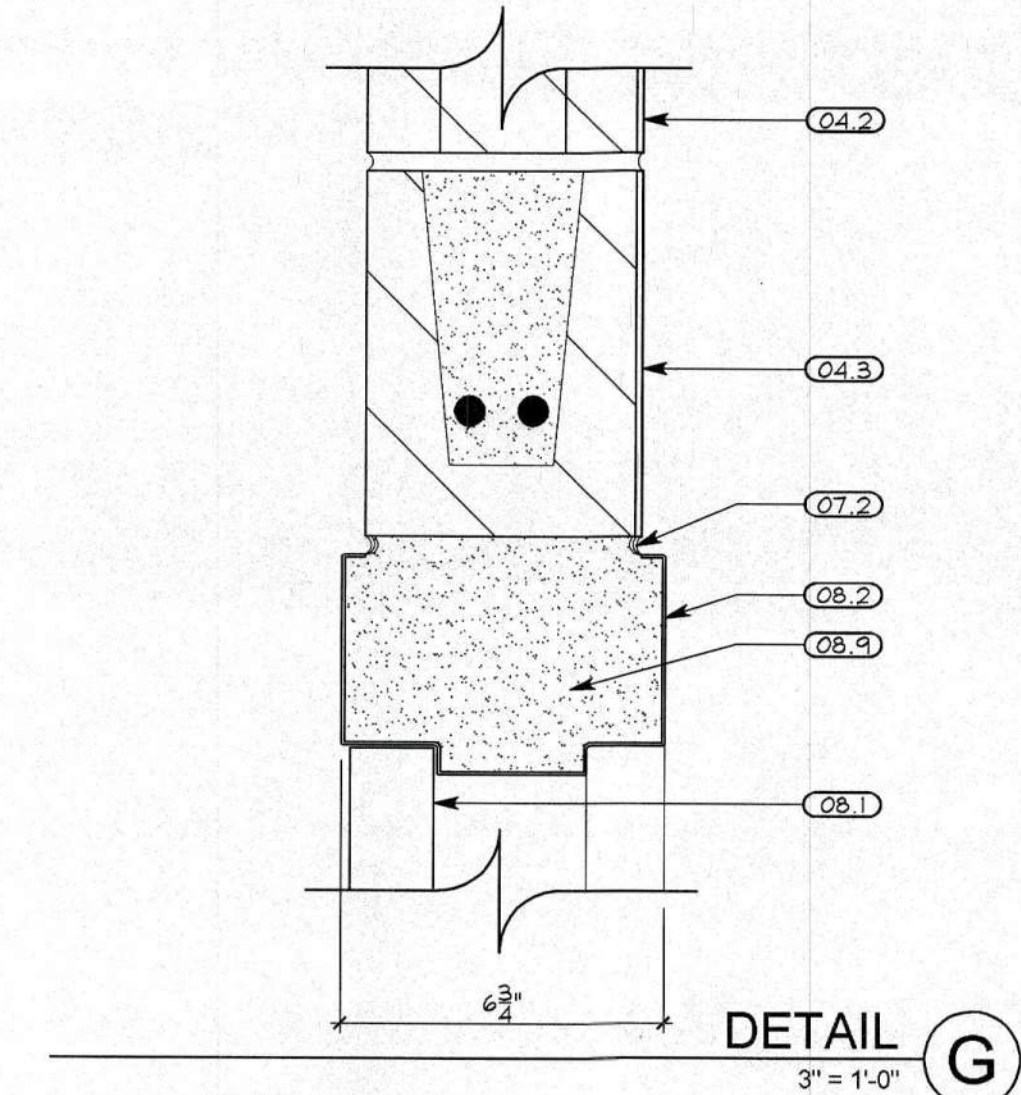
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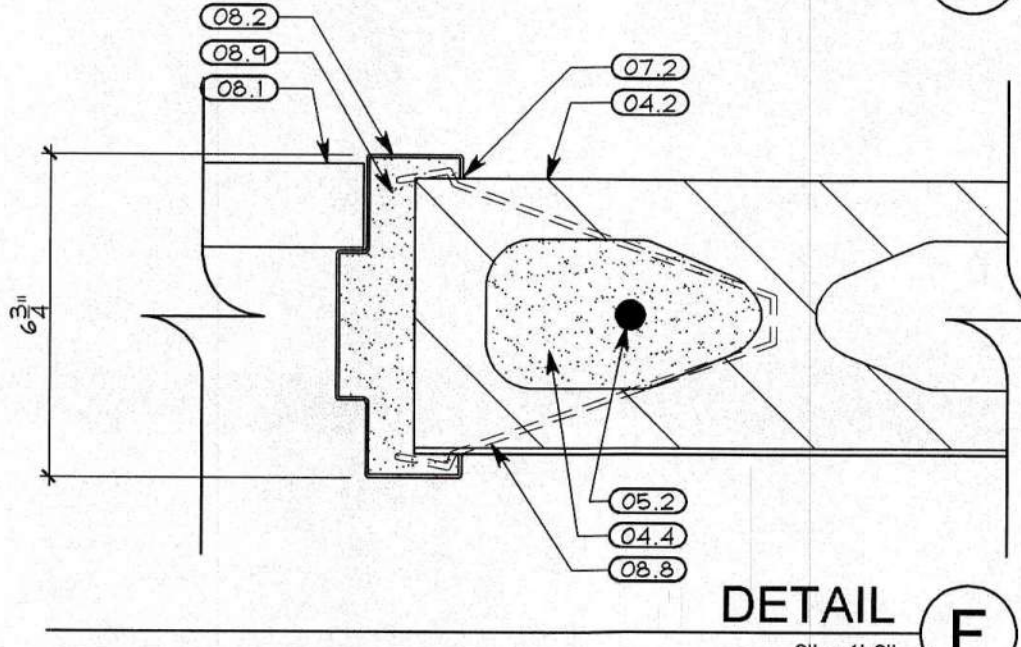
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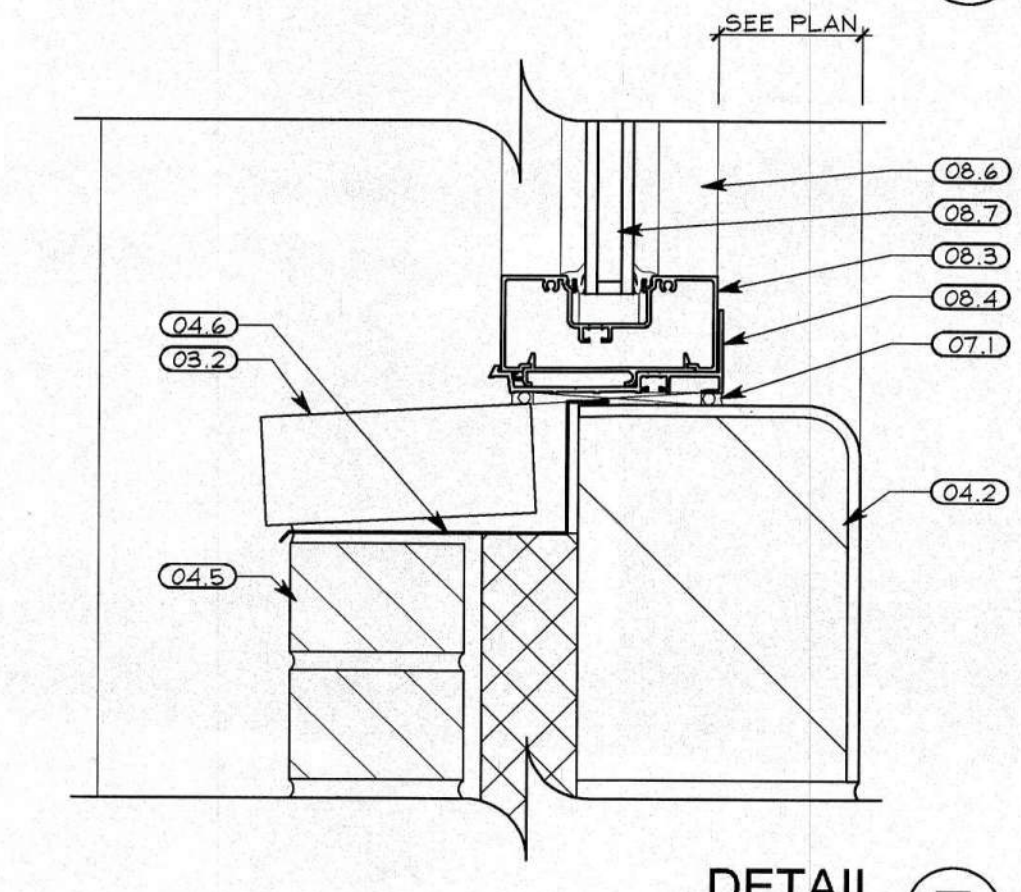
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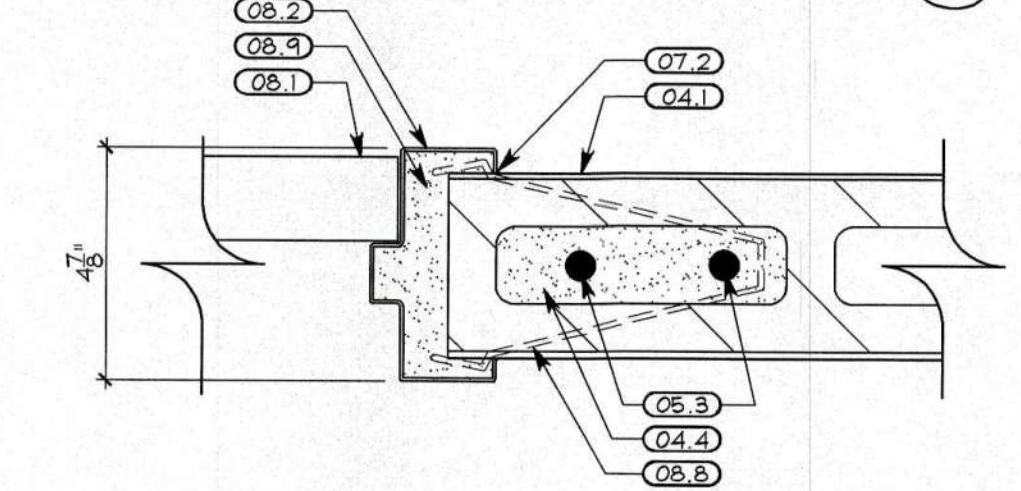
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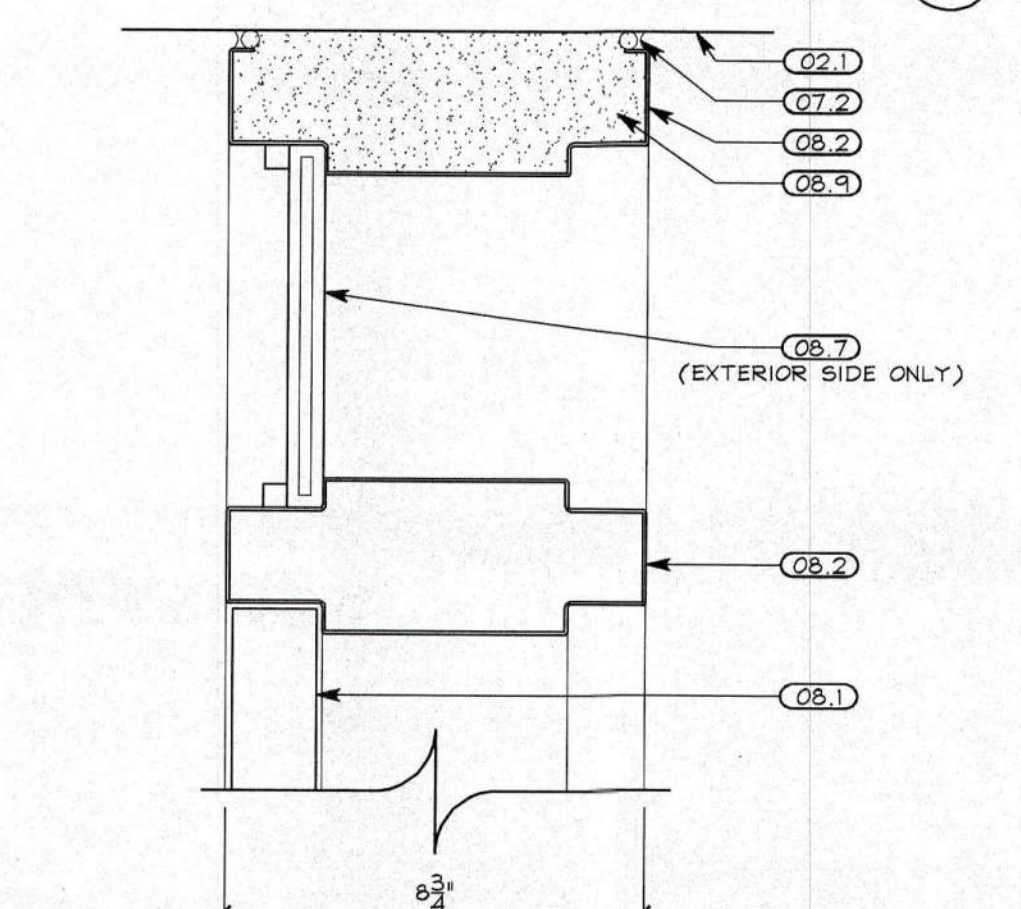
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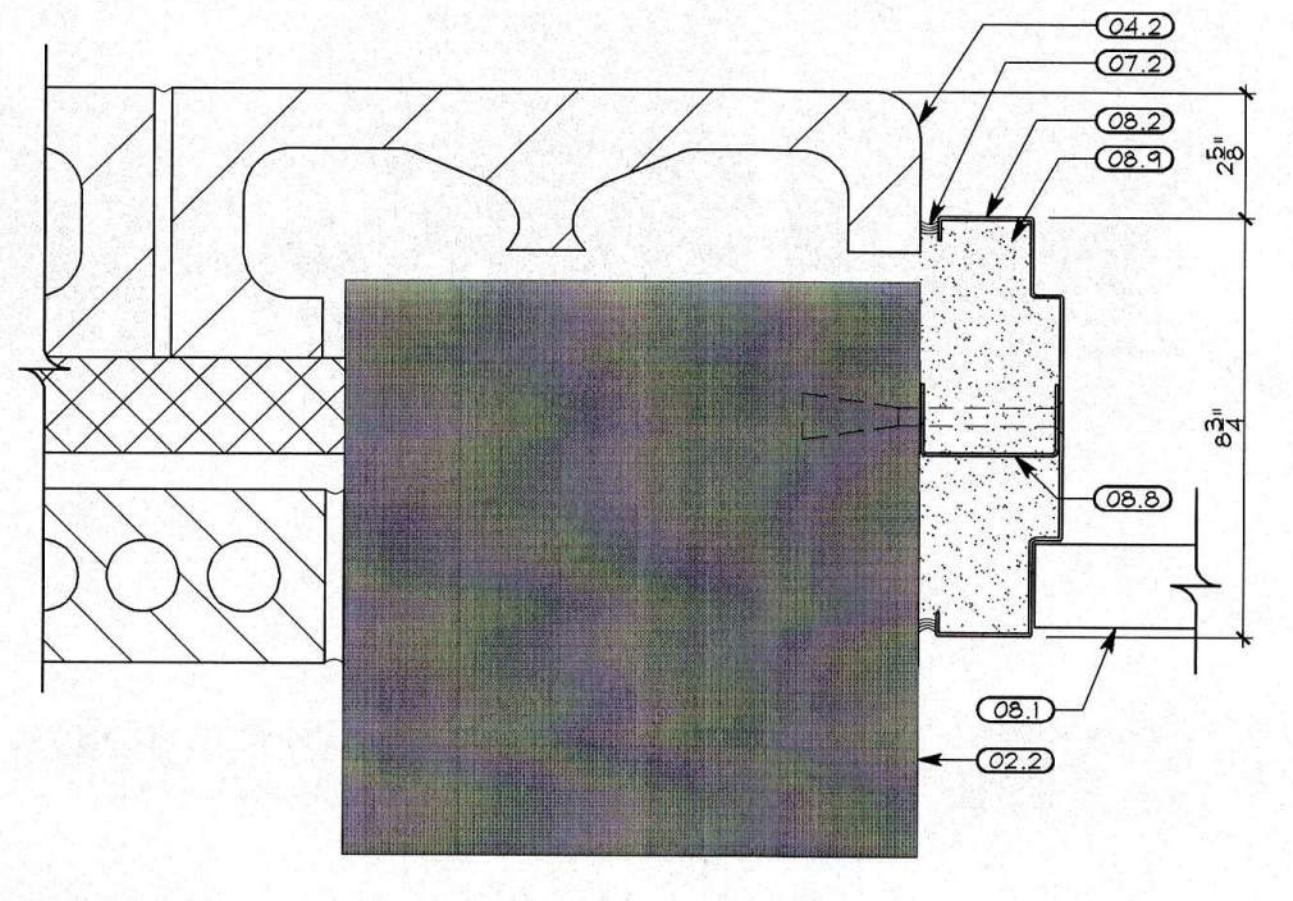
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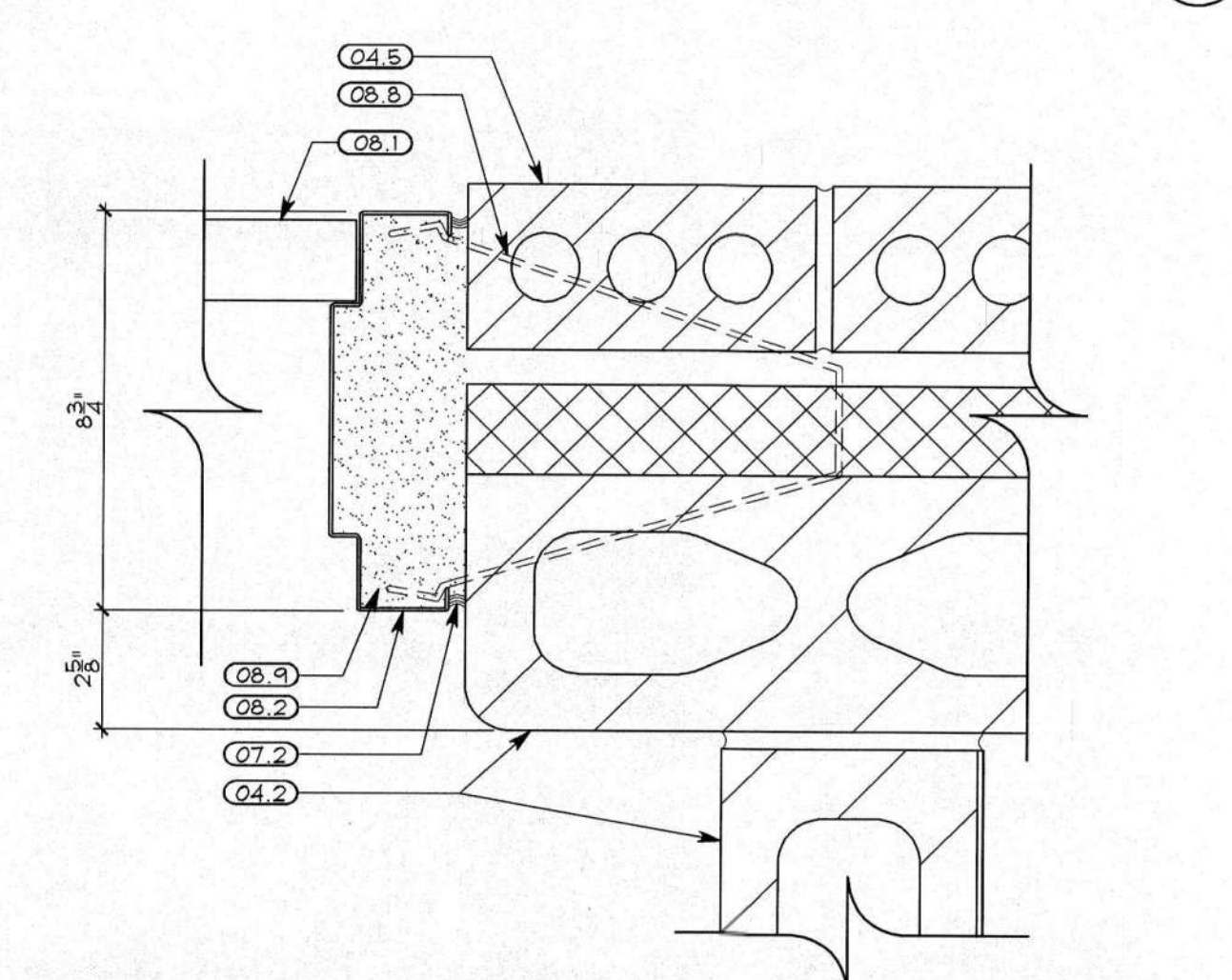
DETAIL D
3" = 1'-0"



DETAIL C
3" = 1'-0"



DETAIL B
3" = 1'-0"



DETAIL A
3" = 1'-0"

GENERAL NOTES: DOOR & WINDOW DETAILS

1. PROVIDE BATT INSULATION BETWEEN ALL WINDOW/DOOR FRAMES AND ROUGH OPENINGS PRIOR TO INSTALLING SEALANT AND BACKER ROD.

CODED NOTES: DOOR & WINDOW DTLS.

NOTE: NOT ALL NOTES LISTED BELOW ARE NECESSARILY USED ON THIS SHEET. THE DIVISION OF KEY NOTING SYSTEM DOES NOT CONTROL THE DIVISION OF WORK AMONG TRADES NOR THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE.

DIVISION 02 - EXISTING CONDITIONS

02.1 - EXISTING CONCRETE BEAM ABOVE. DO NOT DISTURB UNLESS OTHERWISE NOTED.

02.2 - EXISTING CONCRETE COLUMN. DO NOT DISTURB UNLESS OTHERWISE NOTED.

DIVISION 03 - CONCRETE

03.1 - CONCRETE SLAB-ON-GRADE.

03.2 - PRECAST CONCRETE SILL.

03.3 - (3) #4 BARS, 12" LONG CENTERED AT MID DEPTH OF CONCRETE SLAB, SPACED EQUALLY ACROSS WIDTH OF DOOR.

03.4 - NEW CONCRETE SIDEWALK ON GRAVEL BASE- SEE DETAIL E/A3.1

03.5 - EXPANSION JOINT AND SEALANT.

DIVISION 04 - MASONRY

04.1 - 4" CONCRETE MASONRY UNIT, SEE PLANS AND PARTITION SCHEDULE FOR GLAZING INFORMATION.

04.2 - 6" CONCRETE MASONRY UNIT, SEE PLANS AND PARTITION SCHEDULE FOR GLAZING INFORMATION.

04.3 - 6" BOND BEAM W/ (2) #5 REBAR CONT. IN CONCRETE FILL, SEE PLANS AND PARTITION SCHEDULE FOR GLAZING INFORMATION.

04.4 - GROUT CORE SOLID.

04.5 - 4" STANDARD FACE BRICK.

04.6 - FLASHING.

DIVISION 05 - METALS

05.1 - 1/4" BENT GALVANIZED STEEL PLATE W/ 4" BEARING AT EACH END.

05.2 - #5 BAR VERTICAL REINFORCEMENT.

05.3 - #3 BAR VERTICAL REINFORCEMENT.

DIVISION 07 - THERMAL & MOISTURE PROTECTION

07.1 - CONTINUOUS SEALANT W/ BACKER ROD AS REQUIRED. (EACH SIDE OF FRAME)

07.2 - CONTINUOUS CAULK ALL AROUND BOTH SIDES OF FRAME.

07.3 - BATT INSULATION. SEE INSULATION SCHEDULE.

DIVISION 08 - OPENINGS

08.1 - DOOR TYPE VARIES - SEE DOOR SCHEDULE.

08.2 - HOLLOW METAL FRAME.

08.3 - 2" x 48" ALUMINUM STOREFRONT SYSTEM.

08.4 - ALUMINUM STOREFRONT SYSTEM SILL FLASHING W/ WEEPS.

08.5 - ADA COMPLIANT THRESHOLD.

08.6 - DOOR OR WINDOW FRAME BEYOND.

08.7 - GLAZING - REFER TO WINDOW SCHEDULE.

08.8 - ANCHORS AT JAMBS.

08.9 - GROUT HOLLOW METAL FRAME SOLID.

08.10 - 48" x 48" ALUMINUM STOREFRONT FRAME.

08.11 - ALUMINUM COMPENSATING RECEIVER.

08.12 - ALUMINUM BAR STOCK SHIM, AS REQUIRED.

08.13 - SILL WEATHER STRIPPING.

08.14 - METAL INFILL PANEL. FINISH TO MATCH ALUMINUM STOREFRONT SYSTEM.

DIVISION 09 - FINISHES

09.1 - SEAMLESS POLYMER TERRAZZO FLOORING SYSTEM.

DIVISION 12 - FURNISHINGS

12.1 - RECESSED ROLL UP GRID WALK-OFF MAT AND FRAME.

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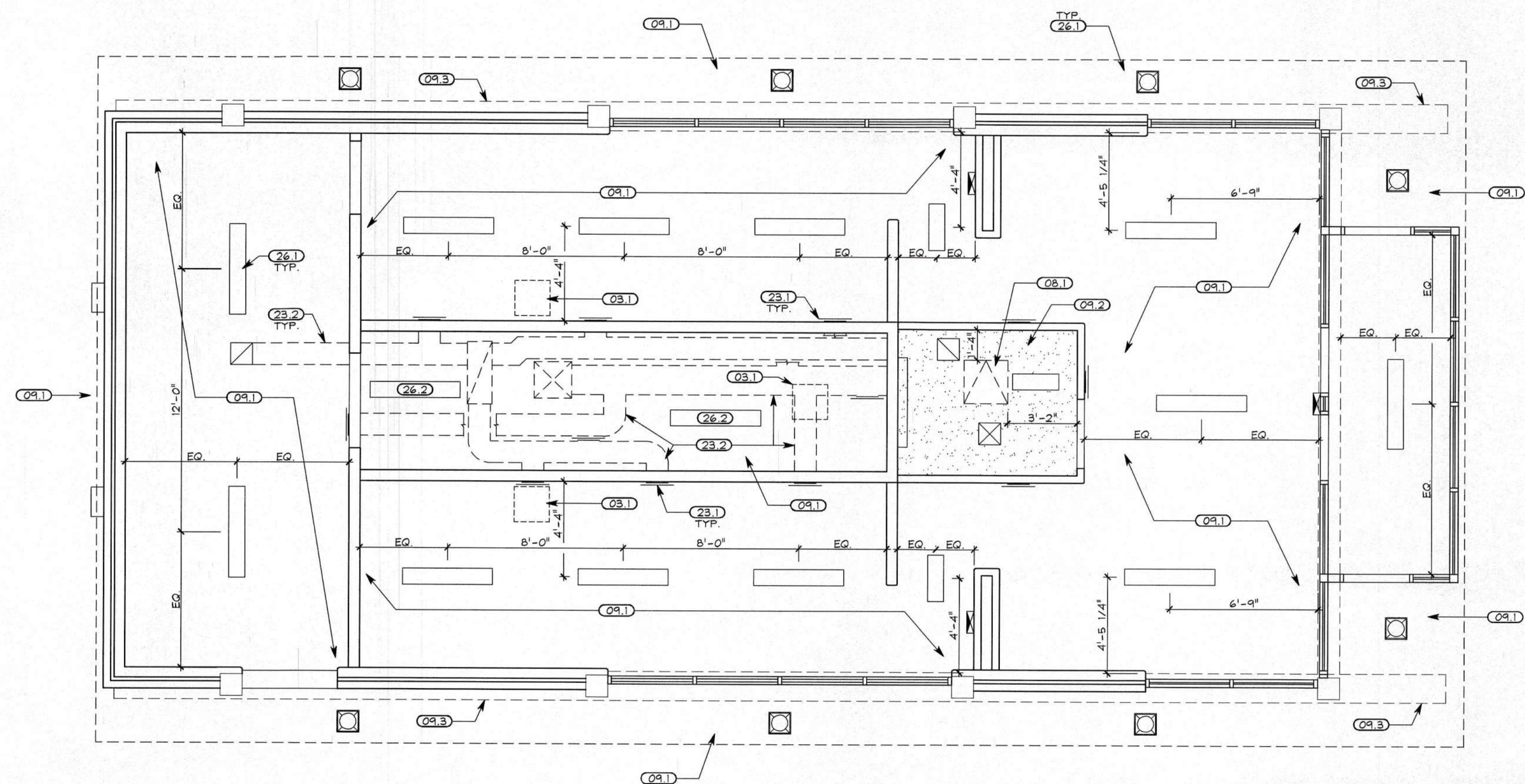
**DOOR & WINDOW
DETAILS**

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REFLECTED CEILING PLAN
1/4" = 1'-0"

GENERAL NOTES: REFLECTED CEILING PLAN

1. REFER TO FINISH PLAN FOR CEILING HEIGHTS

CODED NOTES: REFLECTED CLG. PLAN

DIVISION 03 - CONCRETE

03.1 - INFILL EXISTING OPENING IN CONCRETE ROOF DECK PER DETAIL C/A4.1

DIVISION 08 - OPENINGS

08.1 - ACCESS PANEL 24"x24"- TAMPER PROOF. SEE SPECS. COORDINATE WITH HVAC CONTRACTOR TO CONFIRM LOCATION PRIOR TO INSTALLATION.

DIVISION 09 - FINISHES

09.1 - PREPARE UNDERSIDE OF EXISTING CONCRETE DECK FOR NEW FINISH. REMOVE ALL LOOSE MATERIAL AND PATCH CONCRETE AS REQUIRED. CLEAN THOROUGHLY ENTIRE SURFACE FOR NEW PAINT. SEAL AND PAINT. SEE SPECIFICATION SECTION 09 91 23 FOR ADDITIONAL INFORMATION.

09.2 - 5/8" GYPSUM WALL BOARD OVER 3 5/8" METAL STUD FRAMING. SEE DETAIL C/A9.2 FOR ADDITIONAL INFORMATION.

09.3 EXISTING CONCRETE BEAM. CLEAN SURFACE THOROUGHLY OF ALL LOOSE MATERIAL AND PATCH CONCRETE AS REQUIRED. SEAL AND PAINT AS SPECIFIED.

DIVISION 23 - HVAC

23.1 - WALL MOUNTED DIFFUSERS. SEE HVAC SHEETS FOR ADDITIONAL INFORMATION.

23.2 - EXPOSED HVAC DUCTWORK. SEE HVAC SHEETS.

DIVISION 26 - ELECTRICAL

26.1 - LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

26.2 - COORDINATE LOCATION OF LIGHT FIXTURES IN MECHANICAL CHASE WITH HVAC DUCTWORK.

LEGEND: REFLECTED CEILING PLAN

NOTES:

1. REFER TO ELECTRICAL AND/OR HVAC SHEETS FOR ADDITIONAL INFORMATION REGARDING ALL FIXTURES, DEVICES, AND EQUIPMENT SHOWN ON THIS PLAN.
2. SUBNOTE E INDICATES AN EXISTING LIGHT FIXTURE, SPRINKLER HEAD OR MECHANICAL DEVICE.
3. SUBNOTE R INDICATES A RELOCATED LIGHT FIXTURE, SPRINKLER HEAD OR MECHANICAL DEVICE.

	SURFACE MOUNTED CEILING LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	CEILING OR WALL MOUNTED, EXIT SIGN
	CEILING MOUNTED, SUPPLY AIR DIFFUSER
	CEILING MOUNTED, RETURN AIR GRILLE
	SURFACE MOUNTED EXTERIOR CEILING LIGHT FIXTURE

REFLECTED CEILING PLAN

REST AREAS RENOVATIONS
AREA NO. 1036, DISTRICT 10
US-35 W, GALLIA COUNTY, OHIO



DOT-090005.07



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28 OCT-11

DRAWN BY: RCB CHECKED BY: RGJ/KRA

DRAWING NUMBER: A8.1

SAI # 09061703

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BUILDING INSULATION SCHED. DIVISION 7

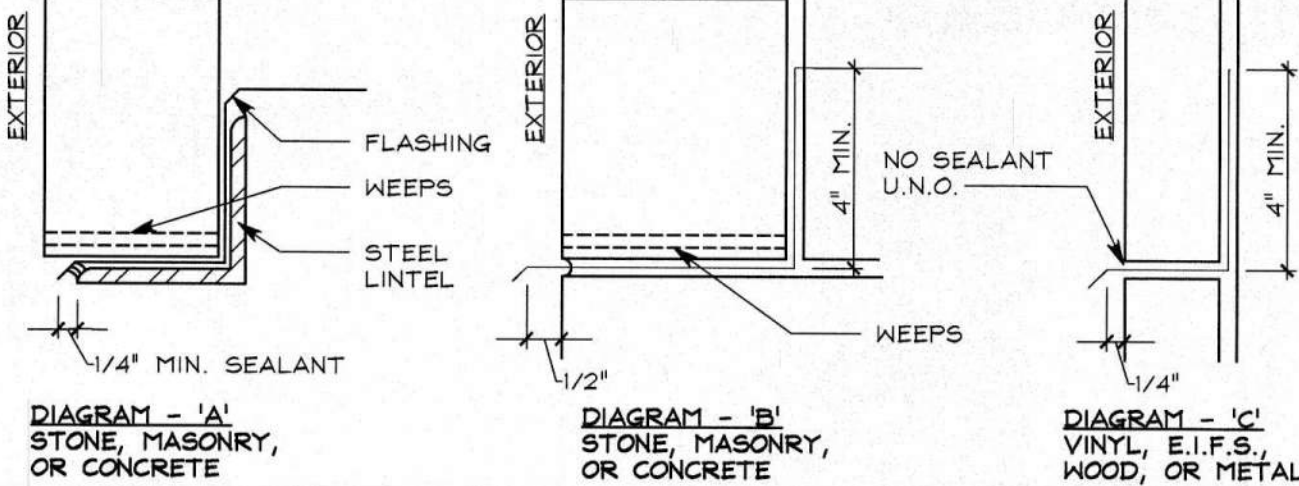
MARK	DESCRIPTION	THICKNESS (TOTAL R-VALUE)	LOCATION
I-1	RIGID FOUNDATION INSULATION BOARD (EXTRUDED POLYSTYRENE)	2" (R-10)	PERIMETER FOUNDATION
I-2	MASONRY CAVITY WALL INSULATION BOARD (POLYISOCYANURATE)	2" (R-13)	EXTERIOR MASONRY WALLS
I-3	RIGID ROOF INSULATION BOARD (POLYISOCYANURATE)	VARIABLE, 2" MIN. (R-6.5 PER INCH)	ABOVE ROOF DECK, TAPER TO DRAIN, 1/4" PER 12' MIN.
I-4	FIBERGLASS BATT INSULATION	VARIABLE, SEE DRAWINGS FOR MIN. WALL THICKNESS (R-13)	AS REQUIRED AND AS SHOWN ON DRAWINGS

BUILDING INSULATION GENERAL NOTES

1. INSULATION LOCATIONS SHOWN IN SCHEDULE ARE INTENDED ONLY FOR CLARIFICATION PURPOSES & ARE NOT INTENDED TO BE ALL-ENCOMPASSING. PROVIDE EACH INSULATION TYPE AS REQUIRED TO FULLY MAINTAIN THE THERMAL INTEGRITY OF THE CONSTRUCTION ASSEMBLIES RELATED TO THE ENTIRE BUILDING ENVELOPE.

GENERAL FLASHING NOTES

- PROPERLY KEEP ALL FLASHING POINTS & NORMAL DRAINAGE POINTS WITH WEEPS NOT TO EXCEED 2'-0" O.C. MAX. SPACING. WEEP POINTS ARE TO BE LOCATED DIRECTLY ON TOP OF FLASHING.
- AT ALL OPENINGS, EXTEND HEAD FLASHING 8" MIN. BEYOND EACH SIDE OF OPENING. TURN FLASHING UP A MIN. OF ONE MASONRY COURSE IN HEAD JOINTS OR A MIN. OF 4" WHERE HEAD JOINTS DO NOT OCCUR, IN ORDER TO FORM A "WATER DAM."
- WHERE FLASHING IS LOCATED ON THE TOP OF STEEL ANGLES, EXTEND FLASHING @ THE TANGENT POINT OF THE ANGLE LEG OR A MIN. OF 1/4" FROM THE END ANGLE TO ALLOW FOR SEALANT APPLICATION AND/OR TOOLING OF THE JOINT. REFER TO DIAGRAM "A."
- WHERE FLASHING IS LOCATED IN MASONRY, EXTEND FLASHING A MIN. OF 1/2" BEYOND THE FACE OF THE MASONRY AND TURN DOWN TO ALLOW FOR PROPER DRIP & WATERTIGHT PROTECTION OF THE JOINT, U.N.O. REFER TO DIAGRAM "B."
- WHERE FLASHING IS LOCATED TO TERMINATE AND/OR SEPARATE MATERIALS, DO NOT SEAL (U.N.O.) - REFER TO DIAGRAM "C" WHERE IT IS DETERMINED BY THE MATERIAL MANUFACTURER OR OTHERWISE THAT SEALING IS REQUIRED (TO PREVENT WATER PENETRATION BEYOND FLASHING DUE TO WIND DRIVEN RAIN), THEN SEALANT MUST BE KEPT IN ACCORDANCE WITH NOTE #1 ABOVE.
- UNLESS NOTED OTHERWISE, TURN FLASHING UP A MIN. OF 4" BEHIND APPROPRIATE MATERIALS.
- ALL FLASHING CONDITIONS, WHETHER DETAILED OR NOT, ARE TO BE IN ACCORDANCE WITH S.M.A.C.N.A. SPECIFICATIONS. WHERE ATYPICAL CONDITIONS OCCUR THAT ARE NOT DETAILED, FLASHING IS TO BE INSTALLED AS CLOSELY AS POSSIBLE TO THE S.M.A.C.N.A. DETAIL THAT MOST CLOSELY APPROXIMATES THE ACTUAL CONDITION.
- REFER TO JOINT SEALANT SCHEDULE FOR TYPES & LOCATIONS OF SEALERS. TYPICAL.
- UNLESS NOTED OTHERWISE, AT FLASHING HIGH POINTS, TURN FLASHING HORIZONTALLY INTO ADJACENT MASONRY COURSING OR SEAL WATER TIGHT TO BACK-UP SUBSTRATE IF MASONRY DOES NOT EXIST.



JOINT SEALANT SCHEDULE

EXT: "E" INT: "I"	CONDITION	TYPE	REMARKS
E	PERIMETER JOINTS OF ALL DOOR FRAMES, WINDOW FRAMES, STOREFRONT, AND/OR WINDOW WALL FRAME ASSEMBLIES, LOUVERS, FIXTURES, AND OTHER PENETRATIONS IN THE BUILDING ENCLOSURES NOT OTHERWISE SEALED WATERTIGHT, U.N.O. PROVIDE CONTINUOUS SEALANT UNDER EXTERIOR DOOR THRESHOLDS AND WINDOW SYSTEMS THAT REST DIRECTLY ON FLOOR SLAB.	JS-3	
E	MASONRY/CONCRETE CONTROL JOINTS IN WALLS	JS-3	
E	E.I.F.S. JOINTS IN WALLS	JS-3	
E	EXPANSION JOINTS IN AND AROUND CONCRETE PAVEMENT, UNIT PAVEMENT, CURBS, OR OTHER HORIZONTAL SURFACES.	JS-5	
E	PERIMETER JOINTS AND ALL OTHER OPEN JOINTS AT EXTERIOR SOFFITS.	JS-3	
E	INTERSECTION OF DISSIMILAR MATERIALS THAT ALLOW AIR OR WATER INFILTRATION.	JS-3	
E	INTERSECTION OF DISSIMILAR MATERIALS IN WHICH INSTALLATION IS NOT UNIFORM OR WHERE WORKMANSHIP DOES NOT MEET ACCEPTABLE CONSTRUCTION TOLERANCES, BUT SUCH WORKMANSHIP IS ACCEPTED BY THE ARCHITECT.	JS-3	
I	PERIMETER JOINTS ON INTERIOR SIDE OF DOOR FRAMES, WINDOW FRAMES, AND ALL OTHER FRAMED MATERIALS IN WALLS WITH NO FINISHED EDGE FLANGE.	JS-5	
I	OPEN JOINTS AT PENETRATIONS THROUGH WALLS, CONCRETE, PLASTER, OR GYP. BD. CEILINGS WHERE INTENDED TO BE TIGHT SEALED JOINTS.	JS-5	
I	JOINT BETWEEN DISSIMILAR MATERIALS WHERE INTENDED TO BE TIGHT SEALED JOINTS.	JS-5	
I	JOINTS WHERE EDGE TRIM OF GYP. BD. ABUTTS IRREGULAR SURFACES OR OTHER SURFACES AND LEAVES OPEN JOINTS.	JS-5	
I	EXPOSED JOINTS AT JUNCTURES OF COUNTERTOPS, CABINETS, OR OTHER "BUILT-IN" WORK WITH IRREGULAR SURFACES INTENDED TO BE TIGHT SEALED JOINT.	JS-4	
I	EXPOSED JOINTS AT JUNCTURES OF WALL MOUNTED PLUMBING FIXTURES AND/OR TOILET ACCESSORIES WITH IRREGULAR SURFACES AND INTENDED TO BE TIGHT SEALED JOINT.	JS-2	
I	CONTROL JOINTS, SAWN JOINTS AND OPEN JOINTS IN AND AROUND CONCRETE PAVEMENT, UNIT PAVEMENT, CURBS AND OTHER HORIZONTAL SURFACES.	JS-4	SELF LEVELING

JOINT SEALANT NOTES

- THE JOINT TREATMENT SCHEDULE IS INTENDED TO ILLUSTRATE ALL JOINT CONDITIONS WHICH ARE MEANT TO BE SEALED WHETHER REFERENCED FROM OTHER DETAILS OR NOT.
- AT ALL HOLLOW METAL FRAME LOCATIONS (DOORS, WINDOWS, ETC.) HOLD FRAME BACK FROM SUBSTRATE 3/8" @ HEAD & SILL AND 3/16" @ JAMB TO ALLOW FOR SEALANT, TYPICAL U.N.O. THIS INCLUDES DIMENSIONS FOR STEEL LINTELS WHERE APPLICABLE.
- PROVIDE PROPER SEALERS AS REQUIRED TO FULLY CLOSE ALL JOINTS THAT ARE INTENDED TO BE TIGHT AND AS SHOWN ON THE DRAWINGS.

SPECIALITY SCHEDULE ("SP-#")

MARK	DESCRIPTION	TYPE	REMARKS
SP-1	TOILET ROOM SIGNAGE (FAMILY)	A	CENTER UNIT @ 60" A.F.F.
SP-2	TOILET ROOM SIGNAGE (WOMEN)	B	CENTER UNIT @ 60" A.F.F.
SP-3	TOILET ROOM SIGNAGE (MEN)	C	CENTER UNIT @ 60" A.F.F.
SP-4	FLOOR MOUNTED, OVER-HEAD BRACED TOILET COMPARTMENT	D	
SP-5	WALL MOUNTED URINAL SCREEN	E	
SP-6	FIRE EXTINGUISHER AND BRACKET	-	T.O. UNIT @ 54" A.F.F.
SP-7	TACKBOARD DISPLAY CASE	F	T.O. UNIT @ 7'-2" A.F.F.

SPECIALITY GENERAL NOTES

- PROVIDE SIGNAGE AT EACH TOILET ROOM LISTED ON ROOM FINISH SCHEDULE.
- PROVIDE MASONRY FASTENERS (TAMPERPROOF) FOR ALL ACCESSORIES / SPECIALITIES MOUNTED AT CHU.

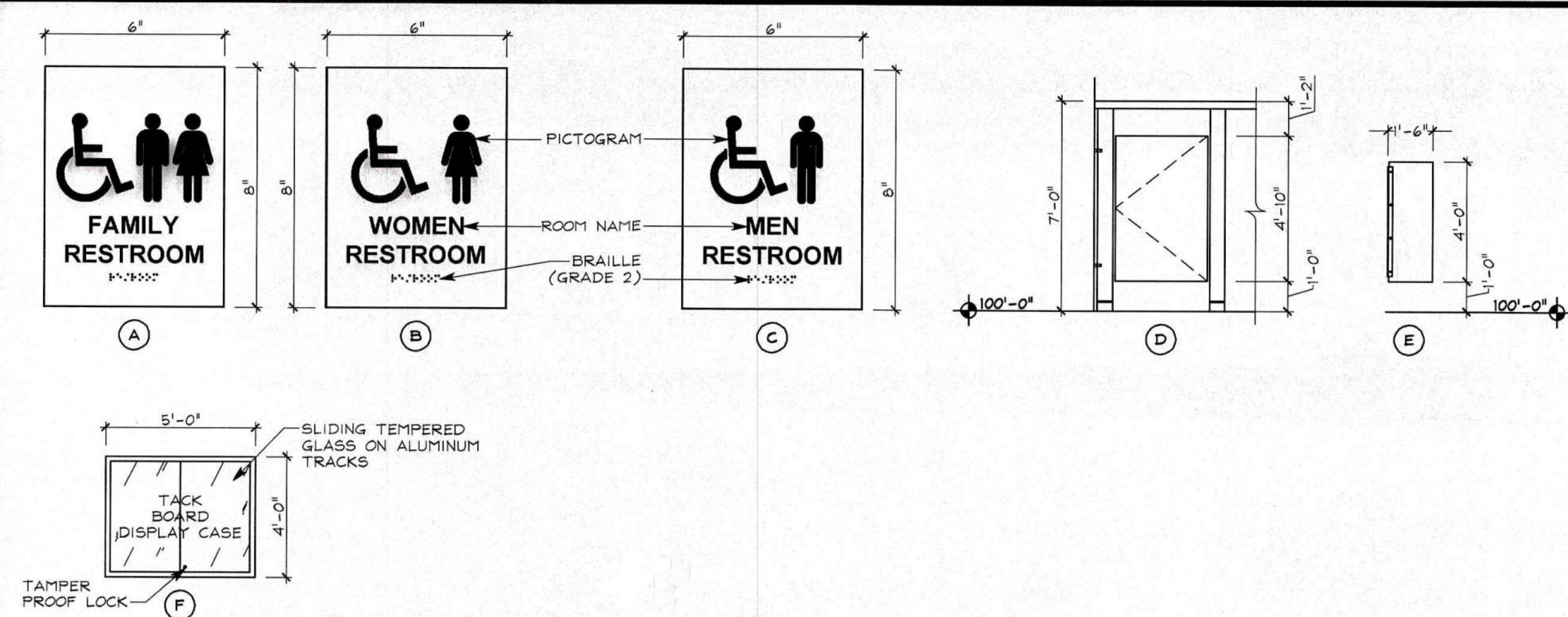
ACCESSORY SCHEDULE ("A-#")

MARK	DESCRIPTION	MOUNTING HT.	REMARKS
A-1A	SURFACE MOUNTED TOILET TISSUE DISPENSER	1'-7" A.F.F. TO CENTER UNIT	LOCATE UNIT 6" FROM RIM OF W.C.
A-2	1/2" DIA. x 36" L GRAB BAR (REAR WALL)	CENTER UNIT 2'-10" A.F.F.	LOCATE 6" FROM PERP. WALL
A-3	1/2" DIA. x 42" L GRAB BAR (SIDE WALL)	CENTER UNIT 2'-10" A.F.F.	LOCATE 12" FROM PERP. WALL
A-4	24" x 36" FRAMED MIRROR	B.O. UNIT 3'-4" A.F.F. SEE ACCESSORY GENERAL NOTE 2.	MIRROR GLASS TO BE TEMPERED U.N.O.
A-5	MOP/BROOM HOLDER	B.O. UNIT 5'-0" A.F.F.	SEE PLANS FOR LOCATIONS
A-6A	SOAP DISPENSER	SEE ACCESSORY GENERAL NOTE 2.	-
A-7A	RECESS WASTE RECEPTACLE	T.O. UNIT 3'-6" A.F.F. (OPTIMAL FOR BARRIER FREE DESIGN)	-
A-7-B	SURFACE MOUNTED WASTE RECEPTACLE	B.O. UNIT 6" A.F.F.	-
A-8B	HAND DRYER	UNIT MOUNTED WITH CONTROL BUTTON 48" A.F.F.	ROOMS 103 & 106; USE RECESS MOUNTING FOR ADAAG PROJECTION REQUIREMENTS
A-9	BABY CHANGING STATION	B.O. UNIT 33"	-

ACCESSORY GENERAL NOTES

- LOCATE ALL ACCESSORIES IN ACCORDANCE WITH SCHEDULE, FEDERAL, STATE, AND LOCAL CODES AND MANUFACTURERS' RECOMMENDATIONS. CONTRACTOR SHALL IDENTIFY EXACT PLACEMENT OF ACCESSORIES IN SHOP DRAWINGS.
- SOAP DISPENSERS PROVIDED BY OWNER. CONTRACTOR SHALL INSTALL 6" WIDE VINYL BLOCKING AS REQUIRED.

SPECIALITY TYPES



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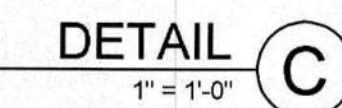
REST AREAS RENOVATIONS
AREA NO. 1036, DISTRICT 10
US-35 W, GALLIA COUNTY, OHIO

NOTES & SCHEDULES

DRAWN BY: RCB CHECKED BY: RGJ/KRA

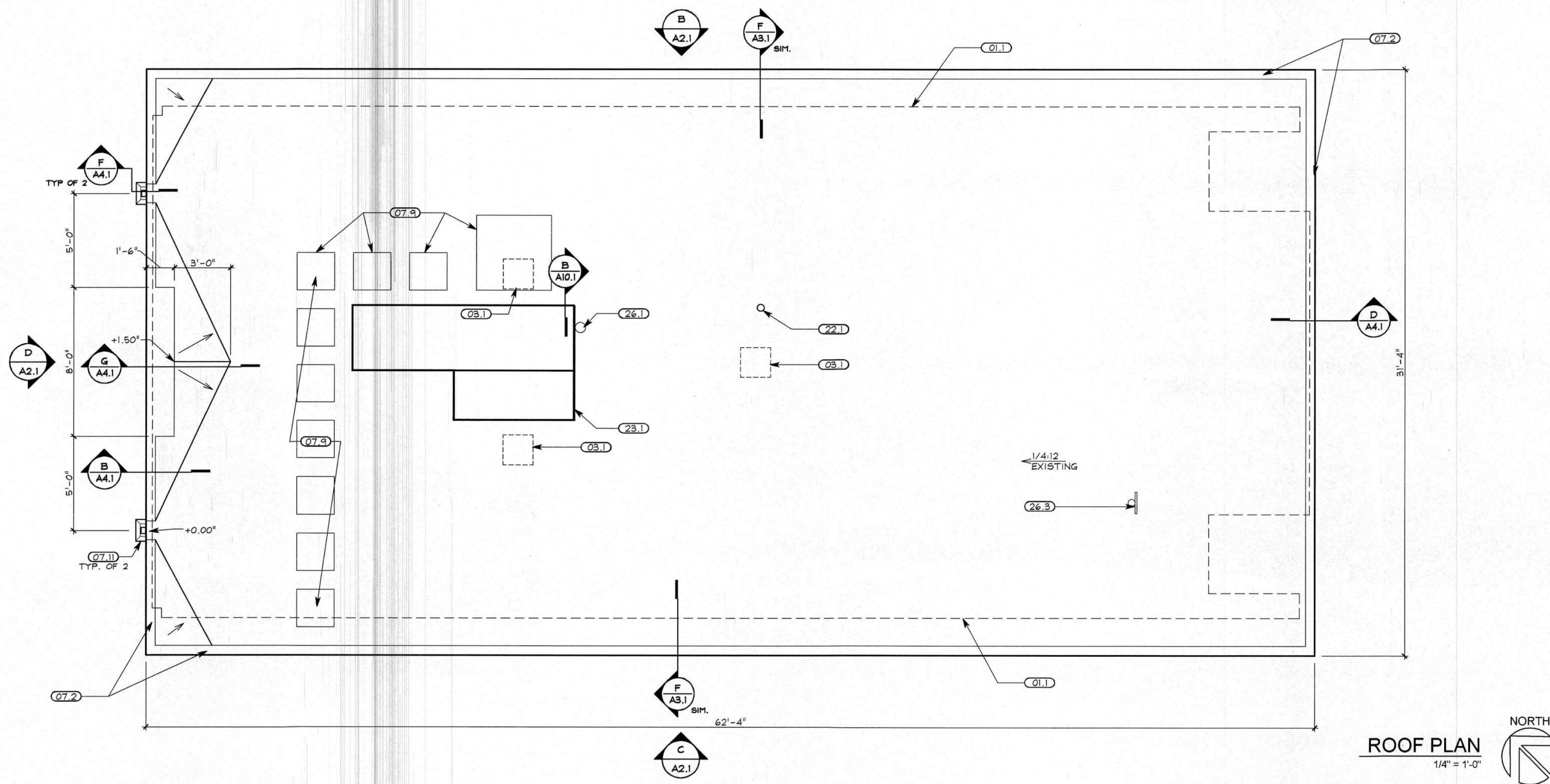
2008 SHREMSHOCK ARCHITECTS, INC. PROHIBITION OF REUSE: THESE DRAWINGS AND SPECS WERE PREPARED FOR USE ON A SPECIFIC SITE. THEY ARE NOT INTENDED FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER DATE. REUSE OF THESE DRAWINGS AND SPECS, OR ANY REPRODUCTION THEREOF, ON ANOTHER PROJECT IS PROHIBITED AND CONTRARY TO LAW UNLESS EXPRESSLY AUTHORIZED IN WRITING BY SHREMSHOCK ARCHITECTS, INC.

SAI # 09061703
DRAWING NUMBER:
A9.1

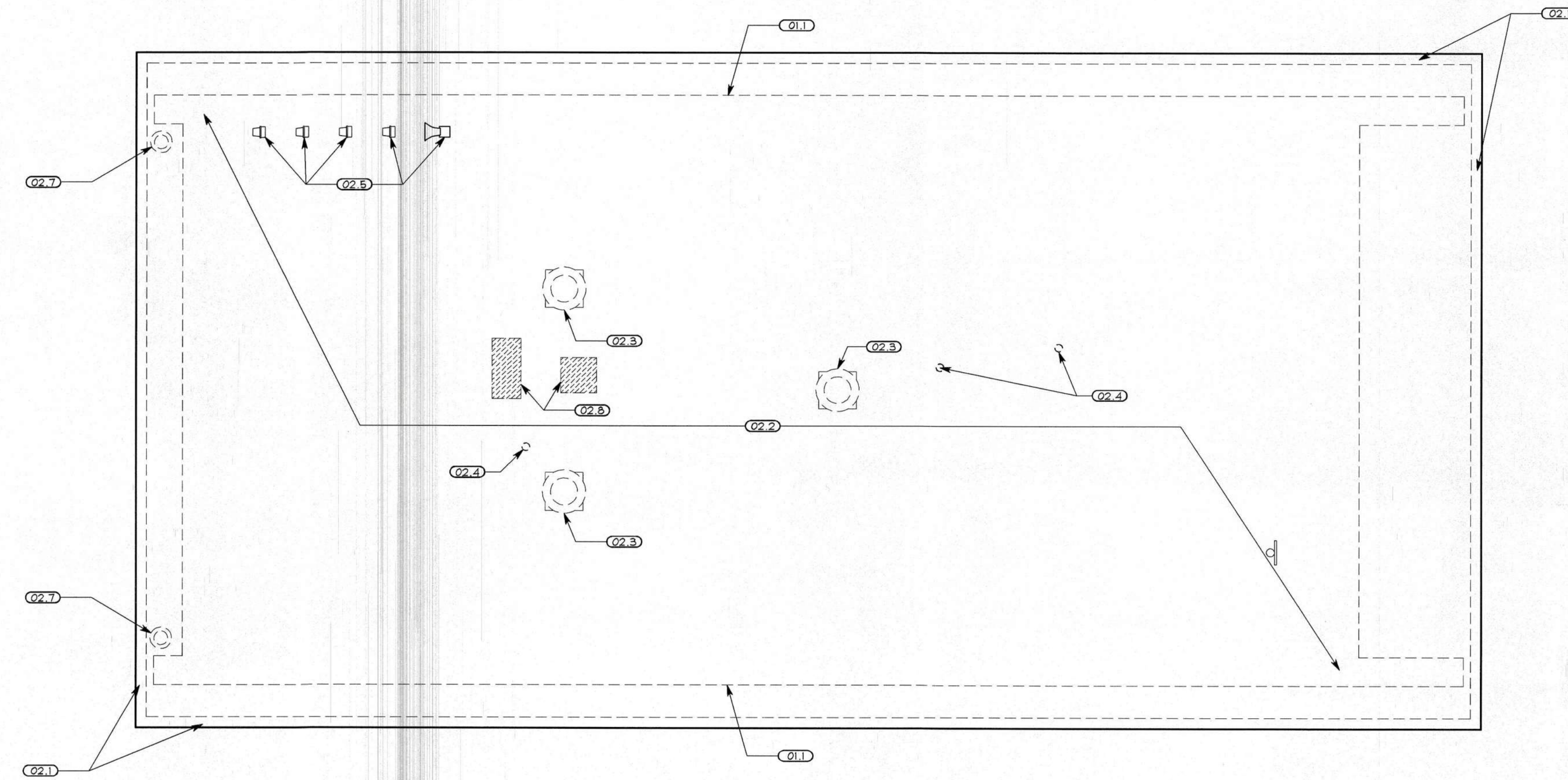


12.1 - ROLL UP GRID WALK-OFF MAT.
12.2 - ALUMINUM FRAME

DRAWING NUMBER:
A9.2



ROOF PLAN
1/4" = 1'-0"
NORTH



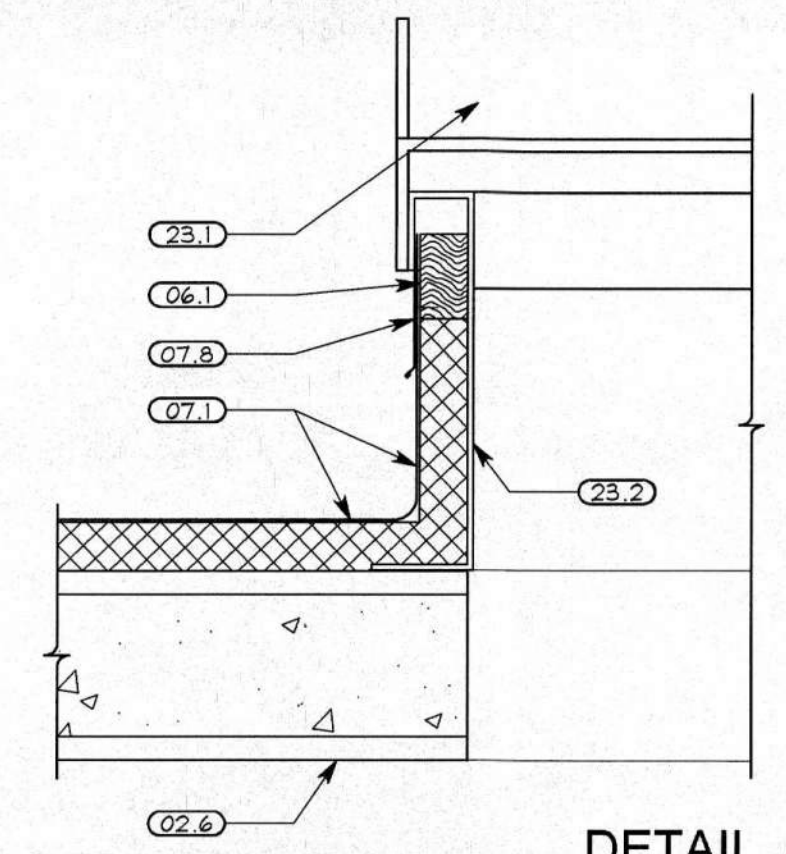
ROOF DEMOLITION PLAN
1/4" = 1'-0"
NORTH

GENERAL NOTES: ROOF PLAN

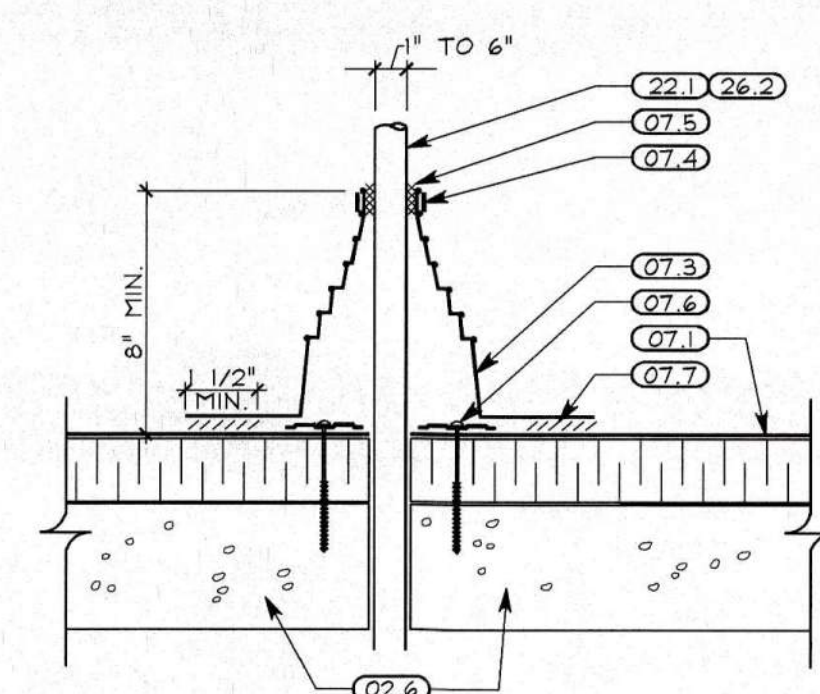
1. ALL CURBS, VENT STACKS, AND ROOF PENETRATIONS TO BE PAINTED TO MATCH SHINGLES. PROVIDE PROVIDE ROOFING MANUFACTURER'S STANDARD DETAILS UNLESS NOTED OTHERWISE.
2. ALL GUTTERS, DOWNSPOUTS, GRAVEL STOPS, FLASHINGS, LOUVERS, SCREENS ARE TO BE FABRICATED PER ARCHITECTURAL METAL SHEET METAL MANUAL AS PUBLISHED BY SHACNA.
3. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, VENTS, EXHAUST FANS, AND/OR PIPING WITH HVAC AND PLUMBING SHEETS. (ALL PENETRATIONS MUST NOT BE SHOWN, COORDINATE AS REQUIRED)
4. PROVIDE SELF-ADHERING SHEET UNDERLAYMENT MEMBRANE EXTEND 3'-0" FROM ALL EAVES AND RAKES, 3'-0" EITHER SIDE OF ALL VALLEYS, RIDGES, AND HIPS
5. ALL EXPOSED FLASHING, COPINGS, FASCIA, GUTTERS, DOWNSPOUTS SHALL BE PRE-FINISHED - COLOR AS SELECTED BY OWNERS REPRESENTATIVE.
6. ALL "OVERFRAMED" ROOF AREAS ARE TO VENTED. PROVIDE A MINIMUM 22"x35" OPENING IN LOWER ROOF SHEATHING TO ALLOW AIR MOVEMENT THROUGH TO UPPER ROOF SHEATHING.

CODED NOTES: ROOF PLAN

- DIVISION 01 - GENERAL REQUIREMENTS**
- 01.1 - DASHED LINE INDICATES EXTENT OF STRUCTURE BELOW.
- DIVISION 02 - EXISTING CONDITIONS**
- 02.1 - REMOVE ALL EXISTING METAL FASCIA AND TRIM INCLUDING ALL WOOD BLOCKING
- 02.2 - REMOVE EXISTING ROOFING MATERIAL, VENTS, BALLAST AND INSULATION DOWN TO CONCRETE DECK.
- 02.3 - REMOVE EXISTING VENTILATION FANS AND CURBS.
- 02.4 - REMOVE EXISTING SANITARY VENTILATION STACKS.
- 02.5 - REMOVE EXISTING ELECTRONIC EQUIPMENT. LOCATIONS AND QUANTITY DEPICTED ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATIONS AND QUANTITIES. SEE ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- 02.6 - EXISTING CONCRETE ROOF DECK. CLEAN AND REFINISH. REFER TO FINISH SCHEDULE.
- 02.7 - REMOVE EXISTING ROOF DRAIN AND DOWNSPOUTS.
- 02.8 - CUT NEW OPENING IN EXISTING PRECAST CONCRETE ROOF PLANK FOR HVAC DUCTWORK. COORDINATE EXACT LOCATIONS AND SIZES WITH HVAC CONTRACTOR
- DIVISION 03 - CONCRETE**
- 03.1 - INFILL OPENINGS IN EXISTING CONCRETE ROOF DECK. SEE DETAIL C/A4.1.
- 03.2 - CUT EXISTING CONCRETE ROOF DECK AS REQUIRED BY ROOF TOP EQUIPMENT MANUFACTURER.
- DIVISION 06 - WOOD, PLASTICS AND COMPOSITES**
- 06.1 - WOOD NAILER
- DIVISION 07 - THERMAL & MOISTURE PROTECTION**
- 07.1 - FULLY ADHERED TPO ROOF MEMBRANE OVER MINIMUM 2" RIGID INSULATION OVER EXISTING CONCRETE DECK.
- 07.2 - PREFINISHED COPING AND FASCIA.
- 07.3 - PRE-MOLDED PIPE FLASHING
- 07.4 - STAINLESS STEEL CLAMPING RING
- 07.5 - WATER CUT-OFF MASTIC
- 07.6 - FASTENER AND FASTENING PLATE, AS REQUIRED PER MFR.
- 07.7 - WELD, AS REQUIRED PER MFR.
- 07.8 - PREFINISHED METAL FLASHING.
- 07.9 - TPO WALKPAD
- 07.10 - TPO OVER TAPERED INSULATION CRICKET. SLOPE 1/4" MIN.
- 07.11 - 12" WIDE SCUPPER WITH PREFINISHED METAL CONDUCTOR HEAD AND 4"x8" DOWNSPOUT.
- DIVISION 22 - PLUMBING**
- 22.1 - SANITARY ROOF VENT, WATERPROOFING BY ROOFING CONTRACTOR. SEE DETAIL A/A10.1
- DIVISION 23 - HVAC**
- 23.1 - NEW ROOF TOP EQUIPMENT. 2,000# MAXIMUM OPERATING WEIGHT. SEE HVAC SHEETS FOR ADDITIONAL INFORMATION
- 23.2 - ROOF TOP EQUIPMENT CURB
- DIVISION 26 - ELECTRICAL**
- 26.1 - ELECTRICAL OUTLET FOR SERVICE.
- 26.2 - CONDUIT, WATERPROOFING BY ROOFING CONTRACTOR. SEE DETAIL A/A10.1.
- 26.3 - LIGHT FIXTURE. SEE ELECTRICAL SHEETS.



DETAIL B
1 1/2" = 1'-0"



DETAIL A
3" = 1'-0"

ROOF PLAN

DOT-090005.07
REST AREAS RENOVATIONS
AREA NO. 1036, DISTRICT 10
US-35 W. GALLIA COUNTY, OHIO



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DATE ISSUED:
28-OCT-11

DRAWING NUMBER:
A10.1

SAI # 09061703

DRAWN BY: RCB CHECKED BY: RGJ/KRA

PLOTTED: 10/26/2011 3:47 PM

- A. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO HIS WORK. RESPONSIBILITY IS ANYTHING THAT IS REQUIRED BY HIS WORK THAT IS NOT INDICATED ON THE ARCHITECTURAL DRAWINGS. REFER TO THE GENERAL CONDITIONS OF THE SPECIFICATIONS.
- B. ALL PLUMBING PIPING, EQUIPMENT, AND FIXTURES TO BE REMOVED SHALL BE DEMOLISHED BY THE PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL DISCONNECT WATER SUPPLY AND SANITARY MAIN FROM THE BUILDING PIPING SYSTEMS PRIOR TO DEMOLITION. PLUMBING CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL OF PIPING AND SINK GRALL. ALL EXISTING PLUMBING EQUIPMENT TO REMAIN SHALL BE IDENTIFIED BY THE PLUMBING CONTRACTOR PRIOR TO THE START OF DEMOLITION.
- C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR RECONNECTING ANY EXISTING CW SUPPLY LINE THAT IS LEAVING THIS BUILDING, RECONNECT TO THE NEW CW PIPING SYSTEM. THE CONNECTION SHALL BE MADE BY CHANGING THE DIRECTION OF A LINE SIZE REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER, PROVIDE A SHUT OFF VALVE IN THE CHASE AREA TO CONTROL THE SUPPLY LINE LEAVING THE BUILDING.
- D. WHEN THE DOMESTIC WATER SUPPLY TO THE BUILDING OR A CW LINE IS ROUTED UNDER THE BUILDING FLOOR SLAB AND CONNECTION IS REQUIRED TO A FITTING OR EXTENSION OF THE PIPING THE CONNECTION SHALL BE BRAZED NOT SOLDERED, THIS APPLIES TO ALL DOMESTIC WATER PIPING UNDER THE BUILDING.
- E. WHEN THERE IS A DOMESTIC CW LINE SERVING THE VENDING MACHINE BUILDING ON THE PROJECT THIS CONTRACTOR SHALL PROVIDE FOR WINTERIZING THE LINE. PRIOR TO HAVING THE ELECTRIC POWER TERMINATED ON THIS BUILDING THIS CONTRACTOR SHALL SHUT OFF AND DRAIN THE LINE. THE CONTRACTOR SHALL BLOW OUT WITH COMPRESSED AIR AND BLOW OUT ALL WATER OR DRAIN IN A MANNER THAT WILL PREVENT ANY OF THE DOMESTIC WATER PIPING IN THE VENDING MACHINE BUILDING OR UNDERGROUND FROM FREEZING AND POTENTIALLY DAMAGING THE PIPING SYSTEM. THE AIR FROM THE RESTROOM BUILDING SERVES THE VENDING MACHINE BUILDING HEATING SYSTEM.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CW	DOMESTIC COLD WATER LINE	OG	P-TRAP (PLAN VIEW)
D	DRAIN LINE	E	CAPPED LINE
F	FIRE PROTECTION LINE	X/G	HOSE BIBB
G	GAS LINE (NATURAL)	---	EXISTING WORK TO REMAIN
HW	HOT WATER LINE (DOMESTIC)	---	EXISTING WORK TO BE REMOVED
HW/R	HOT WATER RETURN (DOMESTIC)		PIPE BRANCH TOP CONNECTION
IND	INDIRECT WASTE LINE		PIPE BRANCH BOTTOM CONNECTION
SAN	SANITARY LINE		PIPE FLANGES
GREASE	KITCHEN GREASE SANITARY LINE		PIPE UNION
STORM	STORM LINE		COMB. BALANCE & STOP VALVE
SW	SOFTENED WATER		BALL VALVE
TRAP	TRAP PRIMER LINE		GATE VALVE (SCREWED BODY)
TW	TEMPERED WATER (DOMESTIC)		DRAIN VALVE WITH HOSE END
V	VENT LINE		GATE VALVE (FLANGED BODY)
W	WATER SERVICE LINE		CHECK VALVE
	CURB BOX & VALVE		GAS COCK OR BALANCE VALVE
	CONNECT TO EXISTING		FLOOR OR AREA DRAIN
	THIRD FLOOR AS SHOWN		THERMOMETER
	JANITOR OR SHOWER FAUCET/HEAD LOCATION		

AB.	ABOVE	H.B.	HOSE BIBB
A.F.F.	ABOVE FINISHED FLOOR	J. R.	JANITORS RECEPTOR
APPROX.	APPROXIMATELY	LAV.	LAVATORY
BEL.	BELOW	M. H.	MANHOLE
C.I.	CAST IRON	MFR.	MANUFACTURER
CLG.	CEILING	MECH.	MECHANICAL
C.O.	CLEAN OUT	PLBS.	PLUMBING
CONN.	CONNECT	REQD.	REQUIRED
CONTR.	CONTRACTOR	R.D.	ROOF DRAIN
DN.	DOWN	RM.	ROOM
D.S.	DOWNSPOUT	SH.	SHOWER
ELEC.	ELECTRICAL	THERM.	THERMOMETER
E.W.C.	ELECTRIC WATER COOLER	TYP.	TYPICAL
EX.	EXISTING	U.R.	URNAL
EXT.	EXTERIOR	V.T.R.	VENT THRU ROOF
F.D.	FLOOR DRAIN	W.	WASTE
F.V.	FLUSH VALVE	W/	WITH
INV. ELEV.	INVERT ELEVATION	WC	WATER CLOSET

1. REMOVE EXISTING VENT THRU THE ROOF. PATCH AND SEAL ROOF WATERTIGHT.
2. REMOVE EXISTING PLUMBING FIXTURE AND ALL ASSOCIATED PIPING. REFER TO NEW WORK PLAN.
3. REMOVE EXISTING DOMESTIC WATER WALL MOUNTED HOSE BIBB AND ALL ASSOCIATED PIPING.
4. REMOVE EXISTING WATER HEATER AND ALL ASSOCIATED PIPING. REFER TO NEW WORK PLAN.
5. REMOVE EXISTING SANITARY PIPING TO 30 FEET OUTSIDE OF BUILDING. FIELD VERIFY LOCATION AND MAKE NECESSARY ADJUSTMENTS AT NO ADDITIONAL COST. SEE NEW WORK PLAN.
6. REMOVE EXISTING WATER METER FOR REINSTALLATION AND REMOVE ALL ASSOCIATED PIPING. CAP WATER SERVICE 30 FEET OUTSIDE OF THE BUILDING FOR RECONNECTION UNDER NEW WORK PLAN.
7. REMOVE EXISTING DOMESTIC COLD WATER WALL MOUNTED HOSE BIBB IN BOX. NEW HOSE BIBB TO BE INSTALLED UNDER NEW WORK.
8. EXISTING FLOOR DRAIN TO BE REMOVED. REFER TO NEW WORK PLAN.
9. REMOVE EXISTING DOMESTIC WATER PIPING TO 30 FEET OUTSIDE OF BUILDING. FIELD VERIFY EXISTING CW AND MAKE NECESSARY ADJUSTMENTS AT NO ADDITIONAL COST. SEE NEW WORK PLAN.
10. REMOVE EXISTING THERMOSTATIC MIXING VALVE STATION AND ALL ASSOCIATED PIPING. REFER TO NEW WORK PLAN.

PLUMBING FIXTURE NOTES:						
1. UNLESS INDICATED OTHERWISE, THE ARCHITECT SHALL SELECT THE FIXTURE COLOR/FINISH FROM THE MANUFACTURER'S FULL RANGE OF STANDARD OPTIONS. 2. UNLESS INDICATED OTHERWISE, ALL EXPOSED METALLIC COMPONENTS TO BE FURNISHED WITH POLISHED CHROME FINISH, INCLUDING FAUCETS, TRAPS, STOPS, PIPING, ETC. 3. UNLESS INDICATED OTHERWISE, ALL EXPOSED PIPING SHALL BE FURNISHED WITH POLISHED CHROME FINISH BRASS ESCUTCHEONS AT ALL WALL/CABINET PENETRATIONS AND FIXTURE CONNECTIONS.						
FIXTURE	MANUFACTURER	REMARKS			PIPE SIZE CW	
WC-1 (HANDICAP ACCESSIBLE)	AMERICAN STANDARD FIXTURE, SLOAN FV, BEMIS SEAT,	FIXTURE; CONTROLS; SEAT; FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESS REQUIREMENTS.	AMERICAN STANDARD FLOOR MOUNTED BACK OUTLET; FRIOLLO NO. 3697.016 (1.6 GPF). ELONGATED BOWL, BACK SPUD INLET. SLOAN REGAL, OPTIMA FLUSH VALVE MODEL 140-1.6-ES-S (1.6 GPF) CONCEALED, SENSOR OPERATE WATER CLOSET FLUSH VALVE. SELF-ADAPTIV INFRARED SENSOR WITH INDICATOR LIGHT, CHROME PLATED WALL COVER PLATE WITH VANDAL RESISTANT SCREWS, VACUUM BREAKER, NON-HOLD OPEN VALVE. PROVIDE 24 VOLT POWER THRU TRANSFORMER FROM 120 VOLT POWER. BEMIS MODEL NO. 1655/SSC (SELF-SUSTAINING CHECK HINGE)			1"
WC-2	AMERICAN STANDARD FIXTURE, SLOAN FV, BEMIS SEAT, ZURN CARRIER	FIXTURE; CONTROLS; SEAT; CARRIER; FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESS REQUIREMENTS.	AMERICAN STD. WALL HUNG; AFWALL NO. 3353.160 (1.6 GPF). SLOAN REGAL, OPTIMA FLUSH VALVE MODEL 152-1.6-ES-S (1.6 GPF) CONCEALED, SENSOR OPERATE WATER CLOSET FLUSH VALVE. SELF-ADAPTIV INFRARED SENSOR WITH INDICATOR LIGHT, CHROME PLATED WALL COVER PLATE WITH VANDAL RESISTANT SCREWS, VACUUM BREAKER, NON-HOLD OPEN VALVE. PROVIDE 24 VOLT POWER THRU TRANSFORMER FROM 120 VOLT POWER. BEMIS MODEL NO. 1655/SSC (SELF-SUSTAINING CHECK HINGE) ZURN SERIES 1200			1"
UR-1 (HANDICAP ACCESSIBLE)	AMERICAN STANDARD FIXTURE, SLOAN FV, ZURN CARRIER	FIXTURE; CONTROLS; CARRIER; FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESS REQUIREMENTS.	AMERICAN STD. WALL HUNG; WASHBROOM MODEL NO. 6506.011 (1 GPF). BACK SPUD 3/4" INLET, 2" OUTLET. SLOAN ROYAL MODEL 195-1.0-ES-S OPTIMA CONCEALED SENSOR ACTIVATED URINAL FLUSH VALVE. LOW FLOW (1 GPF) CONSUMPTION. 3/4" PIPE SIZE. SELF-ADAPTIV INFRARED SENSOR WITH INDICATOR LIGHT, CHROME PLATED WALL COVER PLATE WITH VANDAL RESISTANT SCREWS, VACUUM BREAKER, NON-HOLD OPEN VALVE. PROVIDE 24 VOLT OPERATION THRU TRANSFORMER FROM 120 VOLT POWER. ZURN SERIES 1221			3/4"
UR-2	SLOAN FV, ZURN FIXTURE	FIXTURE; CONTROLS; CARRIER;	ZURN WATERLESS URINAL MODEL NO. Z5785 SERIES. 2" I.P.S. OUTLET. EXTENDED RIM, CHINAL URINAL. PROVIDE 1 GALLON OF GREEN SEALANT, MODEL Z65-120 OZ. PROVIDE INSTRUCTIONS IN LAMINATED PLASTIC. (PROVIDE IN BOX AT SITE) SLOAN ROYAL MODEL 195-1.0-ES-S OPTIMA CONCEALED SENSOR ACTIVATED URINAL FLUSH VALVE. LOW FLOW (1 GPF) CONSUMPTION. 3/4" PIPE SIZE. SELF-ADAPTIV INFRARED SENSOR WITH INDICATOR LIGHT, CHROME PLATED WALL COVER PLATE WITH VANDAL RESISTANT SCREWS, VACUUM BREAKER, NON-HOLD OPEN VALVE. PROVIDE 24 VOLT OPERATION THRU TRANSFORMER FROM 120 VOLT POWER. ZURN SERIES 1221			3/4"
LAV-1 (HANDICAP ACCESSIBLE)	AMERICAN STANDARD FIXTURE, McGUIRE TRAP AND SUPPLIES, POWERS MIXER, ZURN CARRIER.	FIXTURE; CONTROLS; TRAP; STOP(S); CARRIER; COVER; MIXER; FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESS REQUIREMENTS.	AMERICAN STD. WALL HUNG; LUCERNE NO. 0355.012, 4" FAUCET HOLE CENTERS, 20.5" X 18.25" NOMINAL SIZE. ZURN AQUASENSE MODEL Z6912-CWB AQUASENSE HARDWIRED POWER FAUCET. PROVIDE VANDAL RESISTANT (5 GPM) AERATOR, CHROME PLATED, PROVIDE 4" AA BATTERIES FOR BACKUP POWER. PROVIDE CHROME PLATED BRASS GRID DRAIN AND TALPIECE. PROVIDE DECK PLATE. McGUIRE MODEL 8902C 1-1/4"x 1-1/2" 17 GA. P-TRAP, CHROME PLATED. McGUIRE MODEL 2165LK 1/2" LAVATORY SUPPLIES W/ LOOSE KEY BRASS ANGLE STOPS & COPPER FLEX TUBE RISERS. ALL CHROME PLATED ZURN SERIES 1230 McGUIRE PRO-WRAP SERIES FOR EXPOSED SUPPLY AND DRAIN SIMILAR TO POWERS HYDROGUARD SERIES E480 UNDER THE COUNTER THERMOSTATIC TEMPERING VALVE. UNIT SHALL BE ASSE 1070 LABELED FOR POINT OF USE TEMPERING. UNIT TO BE CHROME PLATED BRASS CONSTRUCTION, ADJUSTABLE TEMPERATURE SETTING AND HAVE INTEGRAL CHECKS. PROVIDE ONE UNIT PER LAVATORY. SET OUTLET AT 109.9°F. INSTALL UNIT PER MANUFACTURER'S RECOMMENDATIONS. TEMPERING VALVE TO BE INSTALLED IN THE CHASE.			1/2"
LAV-2	AMERICAN STANDARD FIXTURE, McGUIRE TRAP AND SUPPLIES, POWERS MIXER, ZURN CARRIER.	FIXTURE; CONTROLS; TRAP; STOP(S); CARRIER; COVER; MIXER; FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESS REQUIREMENTS.	AMERICAN STD. WALL HUNG; LUCERNE NO. 0355.012, 4" FAUCET HOLE CENTERS, 20.5" X 18.25" NOMINAL SIZE. ZURN AQUASENSE MODEL Z6912-CWB AQUASENSE HARDWIRED POWER FAUCET. PROVIDE VANDAL RESISTANT (5 GPM) AERATOR, CHROME PLATED, PROVIDE 4" AA BATTERIES FOR BACKUP POWER. PROVIDE CHROME PLATED BRASS GRID DRAIN AND TALPIECE. PROVIDE DECK PLATE. McGUIRE MODEL 8902C 1-1/4"x 1-1/2" 17 GA. P-TRAP, CHROME PLATED. McGUIRE MODEL 2165LK 1/2" LAVATORY SUPPLIES W/ LOOSE KEY BRASS ANGLE STOPS & COPPER FLEX TUBE RISERS. ALL CHROME PLATED ZURN SERIES 1230 McGUIRE PRO-WRAP SERIES FOR EXPOSED SUPPLY AND DRAIN SIMILAR TO POWERS HYDROGUARD SERIES E480 UNDER THE COUNTER THERMOSTATIC TEMPERING VALVE. UNIT SHALL BE ASSE 1070 LABELED FOR POINT OF USE TEMPERING. UNIT TO BE CHROME PLATED BRASS CONSTRUCTION, ADJUSTABLE TEMPERATURE SETTING AND HAVE INTEGRAL CHECKS. PROVIDE ONE UNIT PER LAVATORY. SET OUTLET AT 109.9°F. INSTALL UNIT PER MANUFACTURER'S RECOMMENDATIONS. TEMPERING VALVE TO BE INSTALLED IN THE CHASE.			1/2"
EW-1 (HANDICAP ACCESSIBLE)	ELKAY FIXTURE, McGUIRE TRAP AND SUPPLIES, ZURN CARRIER.	FIXTURE; CARRIER; TRAP; STOP(S); FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESS REQUIREMENTS.	ELKAY EZ54 SURFACE MTD. ADA WATER COOLER ZURN SERIES 1225 McGUIRE MODEL 8902 1 1/4"x1 1/2" 17 GA. P-TRAP, CHROME PLATED McGUIRE MODEL 2166 1/2" CLOSET SUPPLY W/ WHEEL HANDLE BRASS ANGLE STOP AND COPPER FLEX TUBE RISER. ALL CHROME PLATED			1/2"
EW-2	ELKAY FIXTURE, McGUIRE TRAP AND SUPPLIES, ZURN CARRIER.	FIXTURE; CARRIER; TRAP; STOP(S);	ELKAY EZ54 SURFACE MTD. ADA WATER COOLER ZURN SERIES 1225 McGUIRE MODEL 8902 1 1/4"x1 1/2" 17 GA. P-TRAP, CHROME PLATED McGUIRE MODEL 2166 1/2" CLOSET SUPPLY W/ WHEEL HANDLE BRASS ANGLE STOP AND COPPER FLEX TUBE RISER. ALL CHROME PLATED			1/2"
MS-1	FIAT	FIXTURE; CONTROLS; TRAP; OTHER; NOTE;	FIAT MODEL NO. MSB-2424 (MOLDED STONE) WITH INTEGRAL DRAIN FIAT MODEL NO. 830-AA WITH INTEGRAL STOPS & VACUUM BREAKER. CAST IRON OR COPPER 3" P-TRAP FIAT MODEL NO. E-88-AA STAINLESS STEEL BUMPER GUARDS; FIAT MODEL NO. MSO-2424 STAINLESS STEEL WALL GUARDS FIAT MODEL NO. 889-CC STAINLESS STEEL MOP HANGER PROVIDE A SWING CHECK VALVE ON THE HW SUPPLY AND CW SUPPLY TO UNIT JUST UPSTREAM OF FAUCET.			1/2"

PROVIDE AN IN-LINE 1.0 GPM FLOW CONTROL. (points to a valve on the cold water inlet line)
 1/2" (dimension for the cold water inlet pipe)
 TO FIXTURE (TYP.) (cold water supply line)
 UNION (TYP.) (indicated on the cold water inlet line)
 1/2" (dimension for the hot water outlet pipe)
 TO FIXTURE (TYP.) (hot water supply line)
 FROM CW SUPPLY BRANCH. SEE CW RISER. (cold water supply line)
 BALL VALVE SHUT OFF VALVE. TYP. (on the hot water outlet line)
 1/2" (dimension for the hot water outlet pipe)
 DO NOT PLACE ANY PIPING IN FRONT OF WATER HEATER OR WITHIN 8" OF TOP. (points to the area in front of the water heater)
 INSTANTANEOUS ELEC. WATER HEATER LOCATED IN CHASE AREA. (points to the water heater unit)
 JUNCTION BOX AND INTERCONNECTING CONDUIT BY ELECTRICAL CONTRACTOR. (points to the electrical connection box below the water heater)

FIXTURE MOUNTING HEIGHT

ADA WATER CLOSET = 17" MINIMUM TO 19" MAXIMUM TO THE TOP
OF THE SEAT FROM THE FINISHED FLOOR.

REGULAR HEIGHT WATER CLOSET = 15" TO TOP OF CHINA FROM FINISHED FLOOR.

ADA URINAL = 17" ABOVE FINISHED FLOOR TO LIP OF CHINA.

REGULAR HEIGHT URINAL = 19" TO 24" ABOVE FINISHED FLOOR TO LIP OF CHINA
REFER TO MANUFACTURE RECOMMENDATIONS.

ADA LAVATORY = 34" TO RIM OF CHINA FROM FINISHED FLOOR.

REGULAR HEIGHT LAVATORY = 31" TO RIM OF CHINA FROM FINISHED FLOOR.

ADA ELECTRIC WATER COOLER = 36" TO THE SPOUT OUTLET FROM FINISHED FLOOR.

REGULAR HEIGHT WATER COOLER = 34-1/2" TO THE SPOUT OUTLET
FROM THE FINISHED FLOOR.

TRAP PRIMER VALVE ASSEMBLY

SMILAR TO SUCO SICHEP PRIME PERFECT SERIES 895 WITH A MAXIMUM WORKING PRESSURE OF 250 PSIG, PRESSURE ACTIVATED, 1/2" NPT MALE INLET, 1/2" NPT FEMALE INLET, 1/2" MALE OUTLET, INTEGRATED SIGHT GLASS, SIGHT GLASS, DIAPHRAGM ADJUSTMENT NUT, VACUUM BREAKER, FIELD ADJUSTABLE WATER DISCHARGE RATE, CERTIFIED BY THE AMERICAN SOCIETY OF SANITARY ENGINEERING TO ASSE 1018-2001 SPECIFICATIONS, AND LISTED BY THE FMMA. USE TO BE FINISHED WITH DISTRIBUTION MANIFOLD WHEN REQUIRED BY TRAP PRIMER SUPPLY TO MULTIPLE FLOOR DRAINS. MANIFOLD TO SERVE A MAXIMUM OF (8) FLOOR DRAINS WITH INDIVIDUAL/DEDICATED TRAP PRIMER SUPPLY LINE TO EACH FLOOR DRAIN INDICATED. INSTALLATION TO BE PER MANUFACTURER'S RECOMMENDATIONS.

HR-1: EXTERIOR HOSE BIBB

SIMILAR TO ZURN NO. 2-1300 WITH RECESSED NICKEL BRONZE BOB WITH KEY LOCK MOUNTING, LD LABELED "WATER" INTEGRAL BACKFLOW PREVENTOR, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, ALL BRONZE INTERIOR PARTS, BRONZE FITTINGS, REPLACABLE BRONZE SEAT AND SEAT WASHER, 3/4" HOSE THREAD OUTLET, LOOSE KEY OPERATOR, AND STAINLESS STEEL FACE.

HR-2: INTERIOR HOSE BIBB

SIMILAR TO WOODFORD NO. 824C-3/4" WITH KEY HANDLE OPERATOR, UNIT SHALL BE ENCLOSED IN A FLUSH MOUNTED, NICKEL BRONZE BOX. UNIT SHALL BE LABELED "WATER". UNIT SHALL BE EQUIPPED WITH A LISTED (ANSI 101) ANTI-SIPHON VACUUM BREAKER, 3/4" HOSE OUTLET CONNECTION, 3/4" THREADED INLET OR CHROME PLATED BRASS FINISH. MOUNT AT HEIGHT ABOVE THE FLOOR AS DIRECTED BY THE ARCHITECT.

EWH-1: ELECTRIC INSTANTANEOUS WATER HEATER

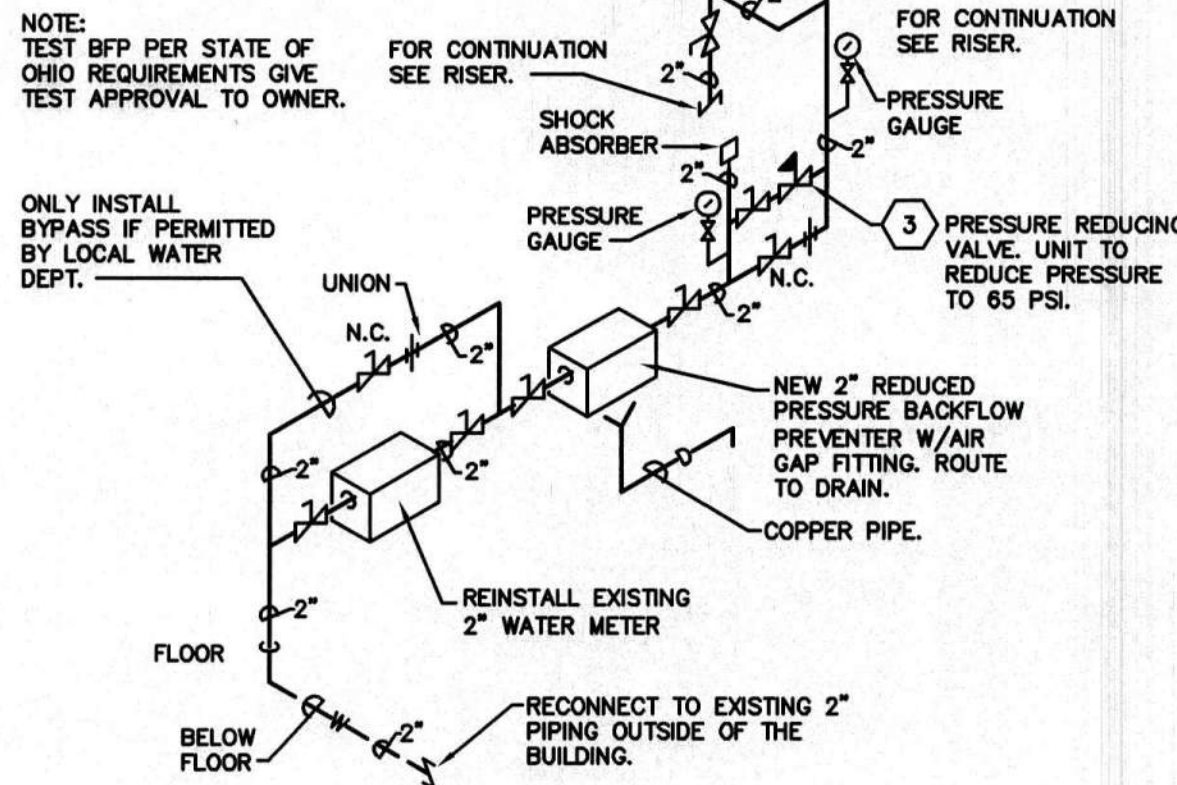
TANKLESS WATER HEATER SHALL BE EEMAX MODEL JEX751-ML WITH 7.5 KW 240 VOLT, 32 AMP TO HEAT 1.0 GPM 55 DEGREES F. TEMPERATURE RISE. PROVIDE WITH INTEGRAL FLOW RESTRICTOR 1.0 GPM UNIT SHALL HAVE ABS-UV 94 VG RATED COVER. PROVIDE "ML" MULTIPLE LAYS THERMOSTATIC TEMPERATURE CONTROL OPTION. UNIT SHALL HAVE 1.0 GPM 55 DEGREES F. TEMPERATURE RISE. PROVIDE REPLACEABLE CARTRIDGE ELEMENT SHALL HAVE REPLACEABLE FILTER IN THE INLET CONNECTOR. ELEMENT SHALL BE IRON FREE, NICKEL, CHROME MATERIAL. MAXIMUM OPERATING PRESSURE OF 150 PSI. UNIT SHALL BE EEMAX OR APPROVED EQUAL. CONTACT EEMAX TECH SUPPORT 1-800-543-6163 (CHRIS EXT 211) AND ASK HOW TO CHANGE THE 110°F LIMIT TO 120°F LIMIT.

EWH-2: ELECTRIC INSTANTANEOUS WATER HEATER

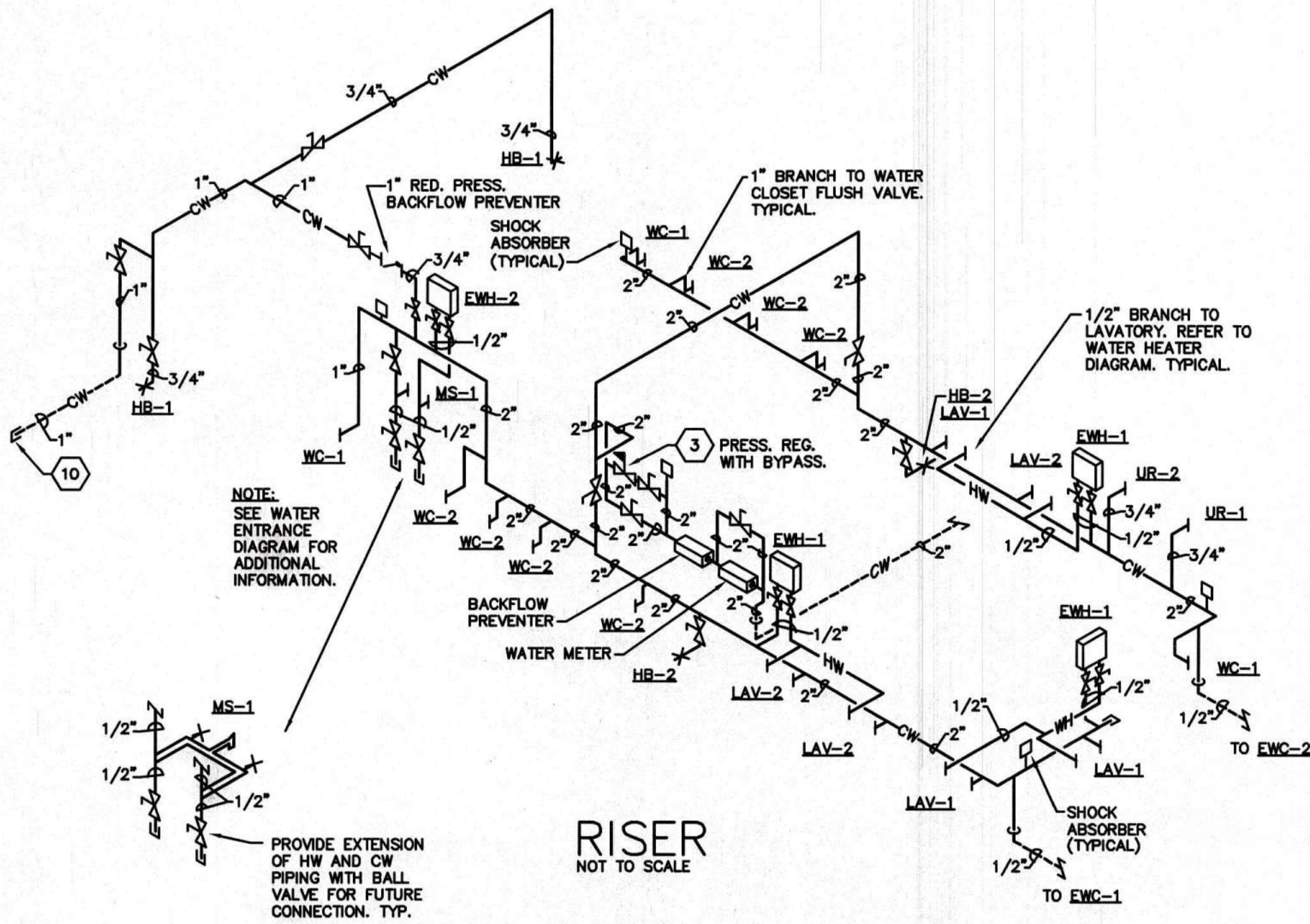
TANKLESS WATER HEATER SHALL BE EEMAX MODEL JEX95T WITH 9.5 KW 240 VOLT, 40 AMP TO HEAT 1.0 GPM 55 DEGREES F. TEMPERATURE RISE. PROVIDE WITH INTEGRAL FLOW RESTRICTOR 1.0 GPM UNIT SHALL HAVE REPLACEABLE CARTRIDGE ELEMENT SHALL HAVE REPLACEABLE CARTRIDGE ELEMENT SHALL BE IRON FREE, NICKEL, CHROME MATERIAL. MAXIMUM OPERATING PRESSURE OF 150 PSI. UNIT SHALL BE EEMAX OR APPROVED EQUAL.

STACK
NOT TO SCALE

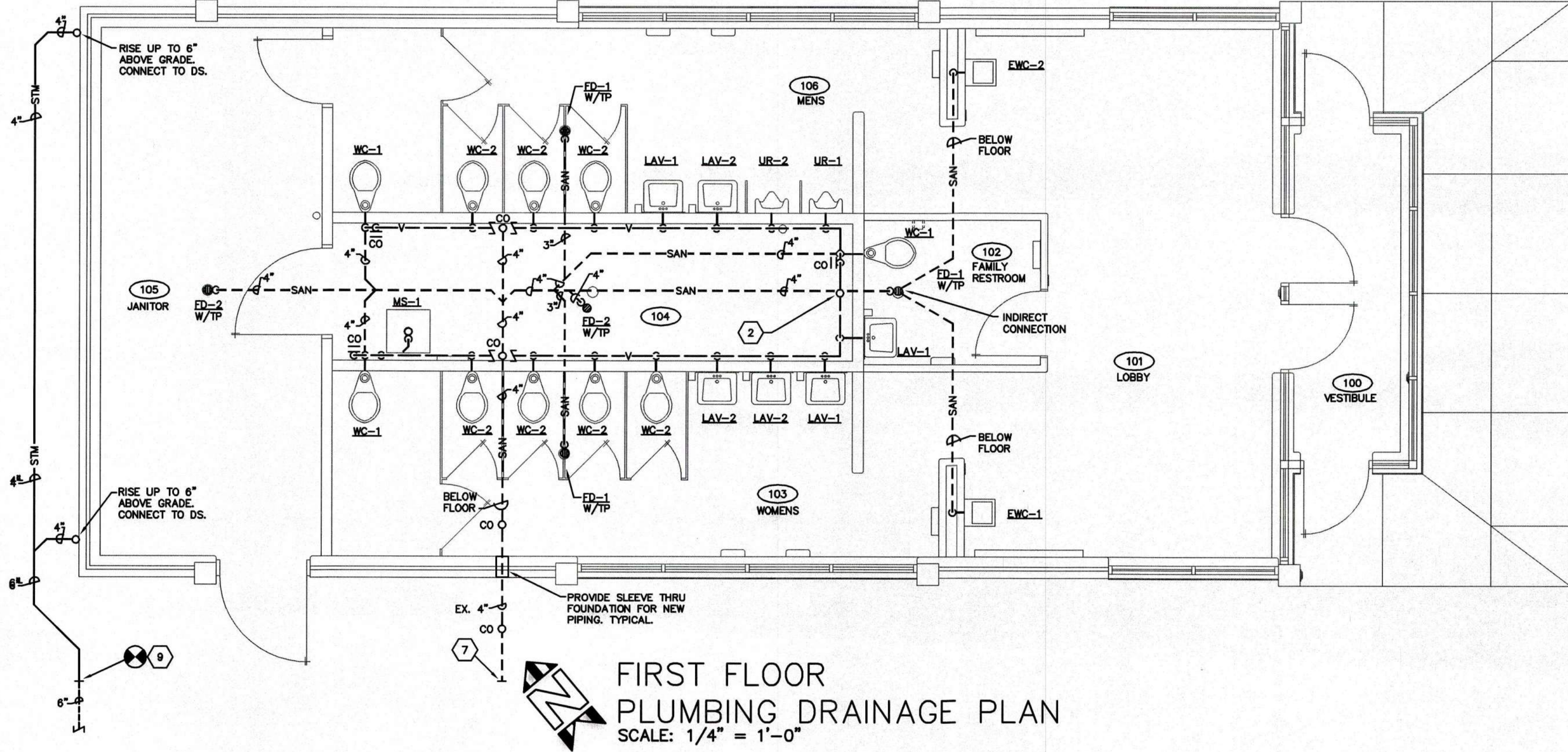
DES.	LOCATION	DESCRIPTION
FD-1	REST ROOM	ZURN MODEL NO. ZN-415 CAST IRON FLOOR DRAIN WITH SECONDARY DRAINAGE/ANCHOR FLANGE, WEEP HOLES, ADJUSTABLE FRAME AND GRATE WITH POLISHED NICKEL BRONZE FINISH, 5" DIAMETER ROUND TOP WITH SQUARE OPENINGS AND BOTTOM GASKET CONNECTION OUTLET. DRAINS IN STRUCTURES ABOVE GRADE TO BE FURNISHED WITH CLAMPING COLLAR.
FD-2	MECHANICAL/UTILITY AREAS	ZURN MODEL NO. Z-520 CAST IRON FLOOR DRAIN WITH SEEPAGE PAN AND ADJUSTABLE EXTENSION FRAME WITH HEAVY DUTY CAST IRON DEEP FLANGE SLOTTED GRATE, 9" ROUND TOP WITH SLOTTED OPENINGS, BOTTOM GASKET CONNECTION OUTLET.
CO	CONCEALING WALL	USE CLEANOUT TEE AND PROVIDE CLEANOUT AND ACCESS COVER SIMILAR TO ZURN ZAMB-1468 WITH ROUND POLISHED STAINLESS STEEL ACCESS COVER, SECURING SCREW, AND BRONZE TAPER THREADED PLUG.
CO	FLOOR IN FINISH AREAS	ZURN MODEL NO. ZN-1400 CAST IRON BODY ADJUSTABLE CLEANOUT WITH ANCHOR FLANGE, POLISHED NICKEL BRONZE ROUND SCORATED FRAME AND TOP, AND BOTTOM GASKET CONNECTION OUTLET. CLEANOUTS IN STRUCTURES ABOVE GRADE TO BE FURNISHED WITH CLAMPING COLLAR.
CO	FLOOR IN MECHANICAL/UTILITY AREAS; AT EXTERIOR AREAS	ZURN MODEL NO. Z-1400-HD CAST IRON BODY ADJUSTABLE CLEANOUT WITH ANCHOR FLANGE, COATED ROUND SCORATED FRAME AND TOP, AND BOTTOM GASKET CONNECTION OUTLET. CLEANOUTS IN STRUCTURES ABOVE GRADE TO BE FURNISHED WITH CLAMPING COLLAR.
CO	EXPOSED OR WITHIN ACCESSIBLE STRUCTURE	ZURN MODEL ZB-1470 WITH COUNTER-SUNK TAPERED THREAD BRONZE PLUG.

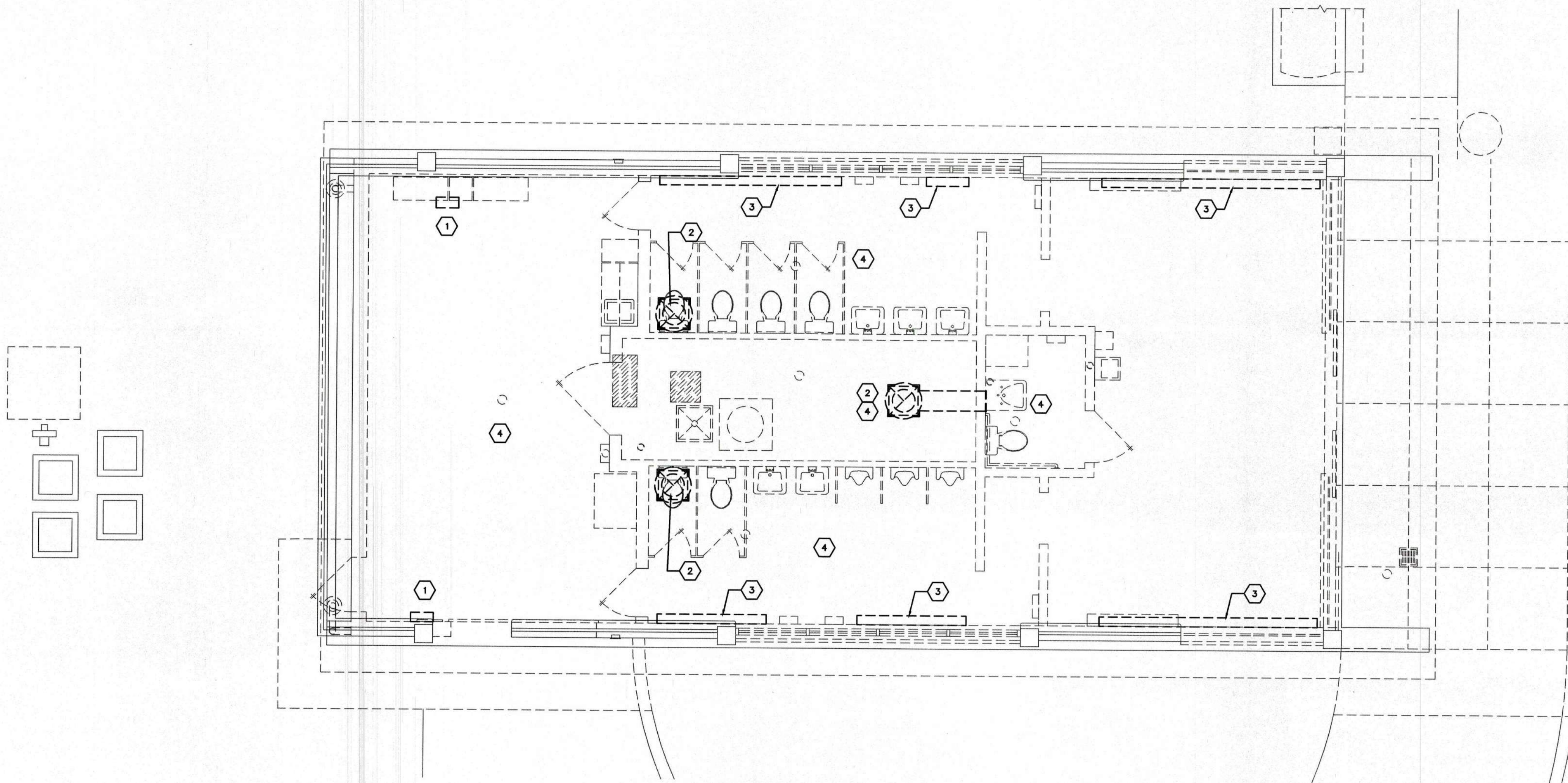


WATER ENTRANCE DIAGRAM
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RISER
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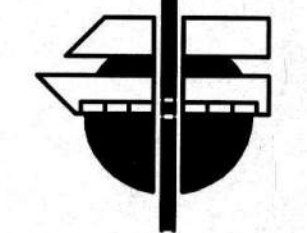
**FIRST FLOOR HVAC
DEMOLITION PLAN**
SCALE: 1/4" = 1'-0"

CODED NOTES

1. REMOVE ALL ELECTRICAL UNIT HEATERS AND ALL ASSOCIATED HANGERS
2. REMOVE ROOF-MOUNTED EXHAUST FAN AND CURB
3. REMOVE ELECTRIC BASEBOARD HEATER AND ALL ASSOCIATED MOUNTING BRACKETS
4. REMOVE ALL SUPPLY/EXHAUST DEVICES AND ALL ASSOCIATED DUCTWORK, ACCESSORIES AND DAMPERS

GENERAL NOTES

- A. REFER TO ARCHITECTURAL PLAN FOR ADDITIONAL DEMOLITION WORK
- B. HVAC CONTRACTOR SHALL REMOVE ALL HVAC ITEMS, INCLUDING DUCTWORK, DEVICES, BASEBOARD HEATERS, ROOF MOUNTED EXHAUST AND OTHER ITEMS



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email: info@shremshock.com

DOT-09005.07
**REST AREAS RENOVATION
AREA NO. 1036, DISTRICT 10
US-35 W, GALLIA COUNTY, OHIO**

**FIRST FLOOR
HVAC
DEMOLITION
PLAN**

DRAWN BY: ZJO CHECKED BY: JBK



These Record Drawings have been prepared based on information provided by the installing contractor. The Engineer has not verified the accuracy of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result.

H1.1-09146.DWG

PRATER
Engineering Associates, Inc.

6130 Wilcox Road (614) 766 4896
Dublin, Ohio 43016 FAX: (614) 766 2334

DESIGNED BY ZJO	DRAWN BY ZJO	CHECKED BY JBK	JOB NUM. 09146
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SAI # 09061.703

DRAWING NUMBER:

H1.1

ROOF TOP UNIT SCHEDULE

MZ - MULTI-ZONE; H & A/C - HEATING AND AIR CONDITIONING; H & V - HEATING & VENTILATING; F.C. - FORWARD CURVED; A.F. - AIR FOIL; A.T.L. - ACROSS THE LINE; VAV - VARIABLE AIR VOLUME; VFD - VARIABLE FREQUENCY DRIVE

UNIT				SUPPLY FAN DATA							RETURN FAN AND MOTOR DATA						COOLING COIL DATA								HEATING COIL DATA			HEATING COIL SELECTIONS BASED ON ELECTRIC RESISTANCE HEAT					GEN. INFORMATION			REMARKS			
UNIT NUMBER	LOCATION	MFR & MODEL NUMBER	TYPE	CFM	TOTAL S.P. W.G.	EXT. S.P. W.G.	RPM	WHEEL TYPE & SIZE	MOTOR H.P.	BHP	CFM	TOTAL S.P. W.G.	EXT. S.P. W.G.	RPM	WHEEL TYPE & SIZE	MOTOR H.P.	B.H.P. REQ'D.	CFM	ROWS & TYPE FIN	MBH TOT	MBH SENS	AIR P.D. W.G.	COIL F.A. SQ. FT.	R410A REFRIGERANT				CFM	MBH	KW	EFFICIENCY (%)	AIR P.D. W.G.	COIL F.A. SQ. FT.	AIR TEMP.			FILTER EFFICIENCY	FILTER AREA SQ. FT.	MIN. % O.A.
																								ENT. AIR TEMP. (D.B. °F)	W.B. (°F)	L.V.G. AIR TEMP. (D.B. °F)	W.B. (°F)							ENT. (°F)	L.V.G. (°F)				
RTU-1	ROOF	AAON RM-A05-1	----	1400	3.0	1.00	2200	15.0"	3.0	1.1	1400	1.4	0.5	1400	15.0"	3.0	.5	1400	6 12 fpi	93	45	.3	4.7	86	70	55	54.5	1400	102	30	100	0.1	4.7	35	100	MERV13	9.0	100	UNIT SHALL BE 240V, 1 PHASE AND SHALL INCLUDE BOTTOM DISCHARGE, FACTORY CURB WITH NEOPRENE VIBRATION ISOLATION, INTAKE HOOD, HOT GAS BYPASS, ELECTRIC RESISTANCE HEAT, AND ENTHALPY HEAT WHEEL WITH FROST CONTROL.

CODED NOTES

- EXHAUST DUCT TO UNIT, PROVIDE SPLIT AT DUCT RISE AND EXTEND TO DEVICES AS SHOWN.
- PROVIDE ROOFTOP UNIT THERMOSTAT WITH REMOTE SENSOR. MOUNT LEVEL WITH LIGHT SWITCHES.
- PROVIDE TEMPERATURE SENSOR WITH STAINLESS STEEL COVER AT LOBBY, EXTEND WIRING TO THERMOSTAT WHERE SHOWN. MOUNT LEVEL WITH LIGHT SWITCHES.
- PROVIDE ROOFTOP UNIT WITH CURB ON EXISTING ROOF. COORDINATE FINAL LOCATION WITH STRUCTURE SUCH THAT SUPPLY AND EXHAUST PENETRATIONS ARE CONFINED TO A SINGLE PRECAST PLANK EACH; LOCATE UNIT A MINIMUM OF 10 FT. FROM ROOF EDGES IN ALL DIRECTIONS. COORDINATE UNIT INSTALLATION WITH INSTALLATION OF NEW WEATHERPROOFING.
- ACCESS PANEL BY GTC. COORDINATE FINAL CEILING LOCATION WITH LIGHTS AND AIR TERMINAL DEVICES. ALSO COORDINATE FINAL LOCATION OF ACCESS PANEL WITH DUCTWORK ABOVE CEILING IN ORDER TO ACCESS DAMPERS.

GENERAL NOTES

- COORDINATE DIFFUSER LOCATION WITH LIGHTS.
- PROVIDE BALANCE DAMPERS AT ALL BRANCHES.
- COORDINATE ROOFTOP UNIT INSTALLATION WITH STRUCTURE. NEW ROOF PENETRATIONS OF PRECAST PLANKS SHALL BE 24" WIDE MAXIMUM.
- INSTALL DUCTS TIGHT TO STRUCTURE.

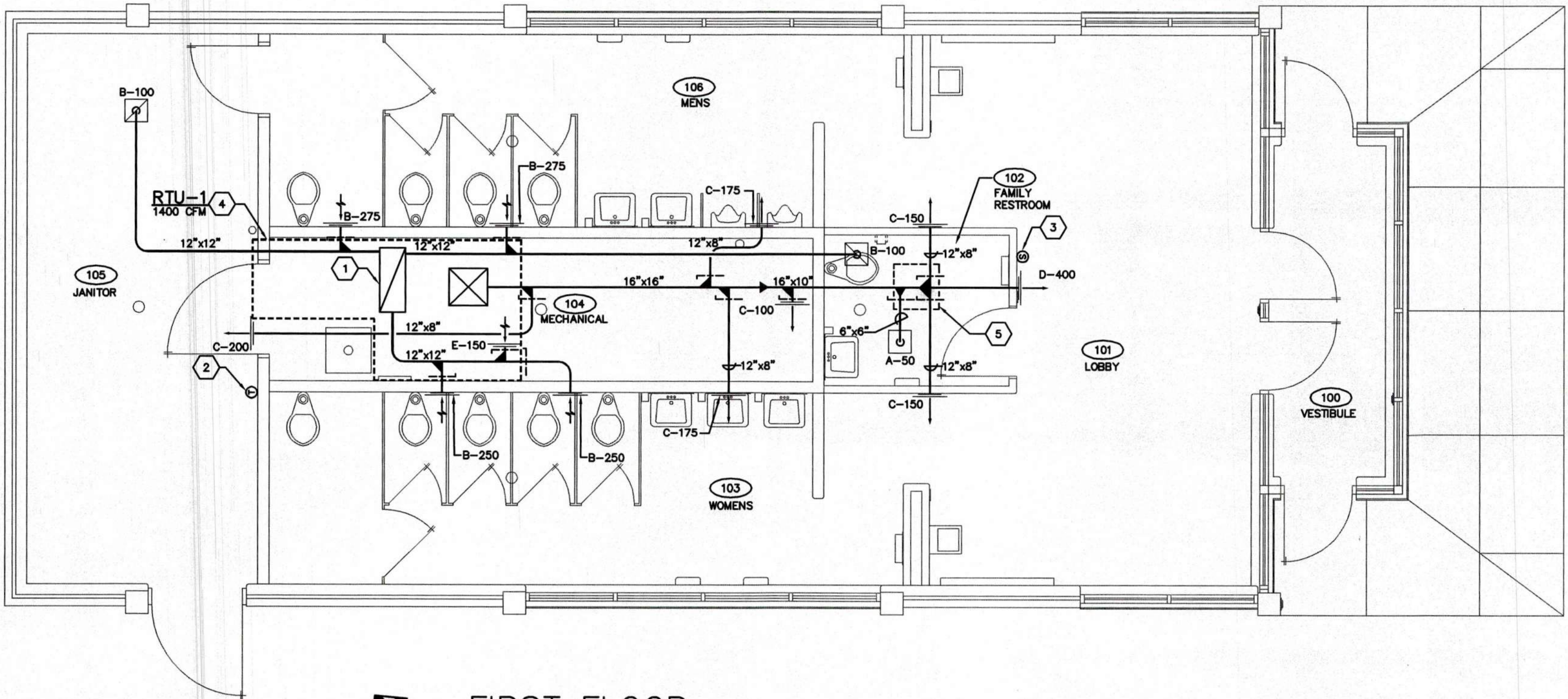
AIR TERMINAL SCHEDULE

TYPE OF OUTLET _____ A - 8 - 300 _____ AIR QUANTITY IN C.F.M. (DIFF. & REG. ONLY)
SIZE OF OUTLET (NECK SIZE DIAMETER FOR DIFFUSERS) _____

TYPE	DESCRIPTION
A	TITUS 300RS-SS, 6"x6" STAINLESS STEEL SUPPLY REGISTER, WALL OR DUCT MOUNTED W/ TAMPER-PROOF SCREWS.
B	TITUS 350RS-SS, 16"x8" STAINLESS STEEL EXHAUST REGISTER, WALL, DUCT, OR CEILING MOUNTED W/ TAMPER-PROOF SCREWS.
C	TITUS 300RS-SS, 8"x8" STAINLESS STEEL SUPPLY REGISTER, WALL OR DUCT MOUNTED W/ TAMPER-PROOF SCREWS.
D	TITUS 300RS-SS, 16"x8" STAINLESS STEEL SUPPLY REGISTER, WALL OR DUCT MOUNTED W/ TAMPER-PROOF SCREWS.
E	TITUS 350RS-SS, 10"x10" STAINLESS STEEL EXHAUST REGISTER, DUCT MOUNTED W/ TAMPER-PROOF SCREWS.

RTU-1 HEAT WHEEL PERFORMANCE

CFM			SUMMER DATA			WINTER DATA		
O.A.	BYPASS	S.A.	O.A. DB/WB	MIXED AIR DB/WB	MBH TOT/SENS	O.A. DB/WB	MIXED AIR DB/WB	MBH TOT/SENS
1400	500	1400	95/75	85/70	30/14	0/0	35/34.5	76/53



FIRST FLOOR
HVAC PLAN
SCALE: 1/4" = 1'-0"

REVISIONS:
RECORD DRAWINGS

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DOT-09005.07
REST AREAS RENOVATION
AREA NO. 103, DISTRICT 10
US-35 W, GALIA COUNTY, OHIO

FIRST FLOOR
HVAC
PLAN

DRAWN BY: ZJO CHECKED BY: JBK

These Record Drawings have been prepared based on information provided by the installing contractor. The Engineer has not verified the accuracy of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result.

H2.1-09146.DWG

PRATER
Engineering Associates, Inc.

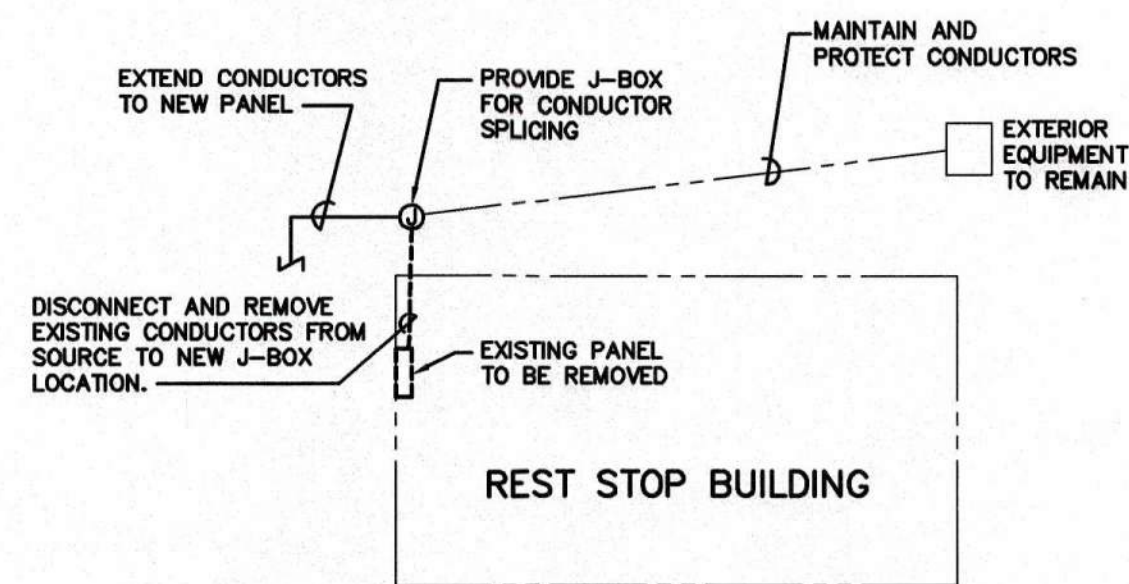
6130 Wilcox Road (614) 766 4896
Dublin, Ohio 43016 FAX: (614) 766 2354

DESIGNED BY ZJO DRAWN BY ZJO CHECKED BY JBK JOB NUM. 09146

SAI # 09061.703

DRAWING NUMBER:

H2.1



EXTERIOR EQUIPMENT RE-CIRCUITING DETAIL

EXTERIOR EQUIPMENT RECONNECTION SCHEDULE					
EQUIPMENT DESCRIPTION	QUANTITY	BREAKER RATING	CONDUCTOR CONFIGURATION*	J-BOX SIZE	NEW FEEDER SOURCE
P & R LIGHTING CIRCUITS	2	30A/2-POLE	(2) #8 + (1) #6 GROUND IN 3/4" COND	6" X 6" X 6"	PANEL A
PAY PHONE	1	20A/1-POLE	(2) #10 + (1) #10 GROUND IN 3/4" COND	6" X 6" X 6"	PANEL A
VENDING MACHINE	3	20A/1-POLE	(2) #10 + (1) #10 GROUND IN 3/4" COND	6" X 6" X 6"	PANEL A
KIOSK	2	20A/1-POLE	(2) #10 + (1) #10 GROUND IN 3/4" COND	6" X 6" X 6"	PANEL A
EXTERIOR BOX (CODED NOTE 19)	1	20A/2-POLE	(2) #10 + (1) #10 GROUND IN 3/4" COND	6" X 6" X 6"	PANEL A
LIFT STATION	1	90A/2-POLE	(2) #1 + (1) #6 GROUND IN 1 1/2" COND	6" X 6" X 6"	MDP
WWTP	1	125A/2-POLE	(2) #1/0 + (1) #6 GROUND IN 1 1/2" COND	6" X 6" X 6"	MDP

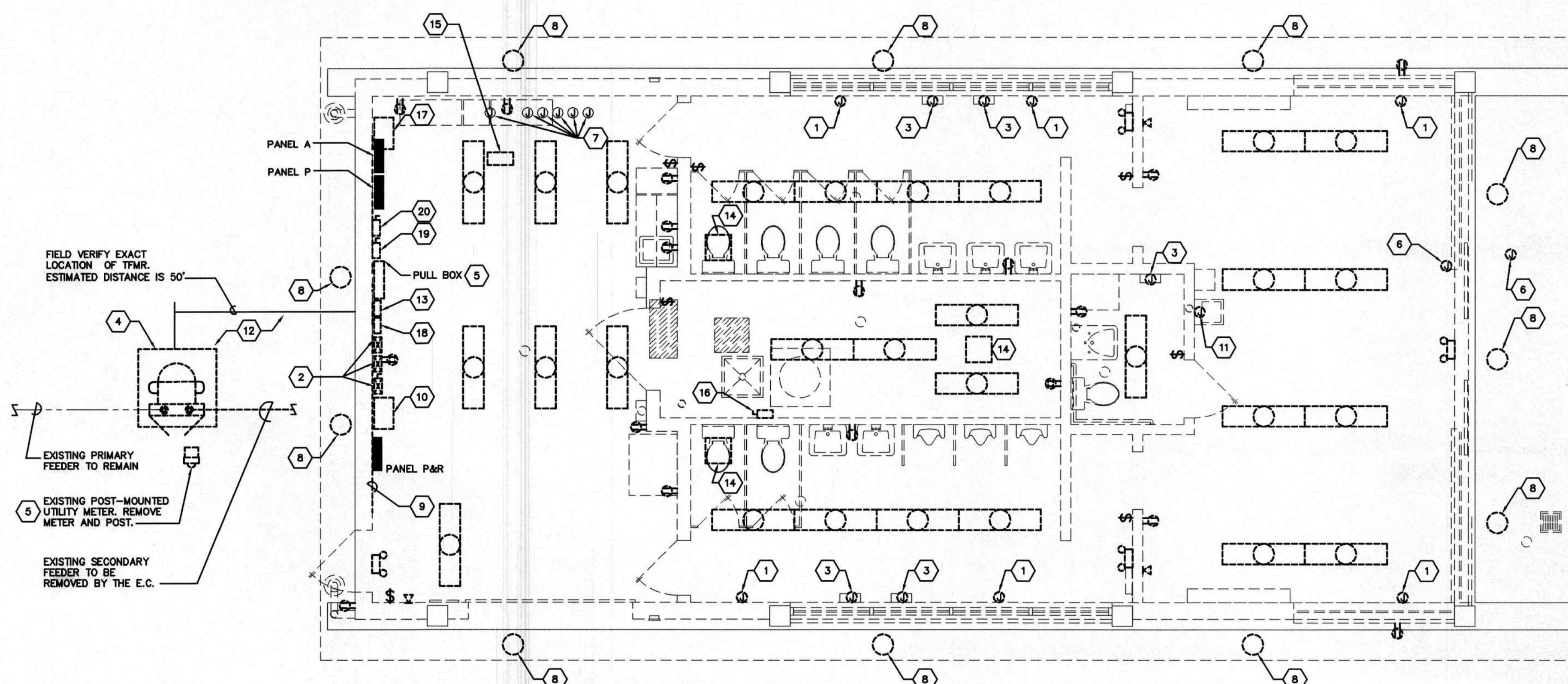
* SPLICE NEW CONDUCTORS TO EXISTING CONDUCTORS WITHIN J-BOX AND EXTEND FROM J-BOX TO NEW PANEL. FIELD VERIFY ALL CONDITIONS PRIOR TO CONSTRUCTION.

GENERAL NOTES

- SEE ARCHITECTURAL DEMOLITION PLANS FOR WALLS AND CEILINGS TO BE REMOVED.
- UNLESS NOTED OTHERWISE, ALL EXISTING ELECTRICAL EQUIPMENT, LIGHT FIXTURES, AND DEVICES SHOWN ON THIS PLAN SHALL BE DISCONNECTED AND REMOVED. DISCONNECT AND REMOVE ASSOCIATED WIRING BACK TO SOURCE. REUSE EXISTING CONDUIT WHERE POSSIBLE. CAP AND IDENTIFY ABANDONED CONDUIT AT BOTH ENDS.
- COORDINATE DISCONNECTION OF PLUMBING AND HVAC EQUIPMENT WITH RESPECTIVE CONTRACTOR. WHERE EQUIPMENT SHALL BE REMOVED, DISCONNECT AND REMOVE ASSOCIATED WIRING BACK TO SOURCE. REUSE EXISTING CONDUIT WHERE POSSIBLE. CAP AND IDENTIFY ABANDONED CONDUIT AT BOTH ENDS.
- UNLESS NOTED OTHERWISE, ALL EXISTING PARKING LOT LIGHTS AND ASSOCIATED CONTROLS AND PHOTOCELLS SHALL REMAIN. DISCONNECT AND REMOVE EXISTING WIRING. FIELD VERIFY ALL CONDITIONS. SEE E2.1 FOR NEW WIRING NOTES.
- REUSE EXISTING CEILING-MOUNTED 2X6 RECTANGULAR RACEWAY RUNNING FROM THE ELECTRICAL ROOM TOWARD THE FRONT OF THE BUILDING. UNDER NEW WORK, EXTEND RACEWAY TO NEW LOCATION OF ELECTRICAL PANELS. PAINT TO MATCH SURROUNDINGS.
- ABANDONED EMPTY CONDUITS SHALL NOT BE LEFT EXPOSED IN AN UNSIGHTLY MANNER. CUT CONDUIT WHERE EXPOSED FROM END OF RUN TO POINT OF ENTRY INTO SLAB OR OTHER BUILDING STRUCTURE. CAP AND IDENTIFY. PAINT TO MATCH SURROUNDING AREA.
- ALL EXISTING EXTERNALLY LOCATED VENDING MACHINES SHALL REMAIN. DISCONNECT BRANCH WIRING AT SOURCE AND RECONNECT TO NEW CIRCUITS UNDER NEW WORK PLAN. VERIFY ALL EXISTING CONDITIONS.
- ALL ELECTRICAL CONNECTIONS TO EXISTING BUILDINGS OR OTHER STRUCTURES FED FROM THE REST STOP BUILDING SHALL BE DISCONNECTED FROM SOURCE AND RECONNECTED TO NEW ELECTRICAL PANELS PROVIDED UNDER NEW WORK. FIELD VERIFY CIRCUIT AMPACITIES AND OVERCURRENT PROTECTION. PROVIDE IDENTICAL OVERCURRENT PROTECTION IN NEW PANELS. SEE CODED NOTE 23 ON SHEET E2.1.
- DISCONNECT AND REMOVE ALL ELECTRICAL AND COMMUNICATIONS DEVICES IN WALLS TO BE DEMOLISHED. REMOVE WIRING BACK TO SOURCE. SEE ARCHITECTURAL PLANS FOR WALLS TO BE REMOVED.
- THE ELECTRICAL FIRST FLOOR DEMOLITION PLAN DOES NOT SHOW ALL THE EXISTING UTILITIES, EXISTING UNDERGROUND EQUIPMENT, OR NEW UNDERGROUND SERVICES. THIS CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND EXISTING CONDITIONS PRIOR TO THE START OF WORK.
- DISCONNECT EXISTING CONDUCTORS FROM SOURCE (PANEL) SERVING ALL EXISTING EXTERIOR LOADS TO REMAIN. FOR EACH SET OF BRANCH CIRCUIT CONDUCTORS, PROVIDE WEATHERPROOF J-BOX AT EXTERIOR OF BUILDING AND SPLICE CONDUCTORS WITHIN J-BOX. EXTEND CONDUCTORS FROM J-BOX TO NEW PANEL UNDER NEW CONSTRUCTION. PROVIDE NEW CIRCUIT BREAKER IN PANEL FOR EACH CIRCUIT. PROVIDE BID PRICING FOR 75 FT OF SPECIFIED CONDUCTORS AND CONDUIT. VERIFY BREAKER RATING SERVING EACH BRANCH CIRCUIT. SEE EXTERIOR EQUIPMENT RE-CIRCUITING DETAIL AND EXTERIOR EQUIPMENT RECONNECTION SCHEDULE ON THIS SHEET.

CODED NOTES

- DISCONNECT EXISTING BASEBOARD HEATER. REMOVE WIRING BACK TO SOURCE.
- DISCONNECT AND REMOVE EXISTING SITE LIGHTING CONTACTORS.
- DISCONNECT EXISTING ELECTRIC HAND DRYER.
- POWER COMPANY TRANSFORMER TO BE REPLACED BY THE POWER COMPANY. E.C. IS TO REMOVE EXISTING CONCRETE PAD.
- DISCONNECT AND REMOVE EXISTING METER, PULL BOX, AND ASSOCIATED WIRING AND CONDUIT. NEW METER, METER SOCKET, CURRENT TRANSFORMER, AND CT CABINET SHALL BE PROVIDED UNDER NEW WORK. COORDINATE WITH UTILITY COMPANY.
- DISCONNECT AND REMOVE EXISTING POWER CONNECTION AND WIRING TO DOOR OPERATOR. REMOVE WIRING BACK TO SOURCE.
- LOCATE EXISTING PHOTOCELLS SERVING SITE LIGHTING FIXTURES. DISCONNECT PHOTOCELLS AND SALVAGE FOR USE UNDER NEW WORK.
- DISCONNECT AND REMOVE EXISTING EXTERIOR LIGHT FIXTURE AND ASSOCIATED WIRING BACK TO SOURCE.
- REMOVE EXISTING PLYWOOD BACKBOARD.
- DISCONNECT AND REMOVE EXISTING TELEPHONE CABINET.
- DISCONNECT EXISTING POWER CONNECTION TO DRINKING FOUNTAIN OR WATER COOLER. COORDINATE WITH PLUMBING CONTRACTOR.
- FIELD VERIFY LOCATIONS AND DIMENSIONS OF EXISTING SERVICE EQUIPMENT PRIOR TO BIDDING. THE ELECTRICAL FIRST FLOOR POWER PLAN IS DIAGRAMMATIC ONLY AND REPRESENTS GENERAL LOCATIONS OF EQUIPMENT.
- DISCONNECT AND SALVAGE EXISTING LIFT STATION HIGH-WATER ALARM PANEL. REINSTALL UNDER NEW WORK.
- DISCONNECT EXISTING EXHAUST FAN. REMOVE ASSOCIATED DEVICES AND WIRING BACK TO SOURCE.
- DISCONNECT EXISTING ELECTRIC UNIT HEATER. REMOVE ASSOCIATED DEVICES AND WIRING BACK TO SOURCE.
- DISCONNECT EXISTING ELECTRIC WATER HEATER. REMOVE ASSOCIATED DEVICES AND WIRING BACK TO SOURCE.
- DISCONNECT AND REMOVE EXISTING TEMPERATURE CONTROL ENCLOSURE, DEVICES, AND ASSOCIATED WIRING AND CONDUIT.
- DISCONNECT AND SALVAGE EXISTING WASTEWATER TREATMENT PLANT HIGH-WATER ALARM PANEL. REINSTALL UNDER NEW WORK.
- DISCONNECT AND SALVAGE EXISTING SAFETY SWITCH SERVING 220V *EXTERIOR BOX*. REINSTALL UNDER NEW WORK. SEE GENERAL NOTE K.
- DISCONNECT AND REMOVE EXISTING SERVICE MAIN DISCONNECT SWITCH.



FIRST FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

REVISIONS:
RECORD DRAWINGS

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AREA NO. 036, DISTRICT 10
US-5 W, GALLIA COUNTY, OHIO

**FIRST FLOOR
ELECTRICAL
DEMOLITION
PLAN**

DRAWN BY: RCT CHECKED BY: MWS

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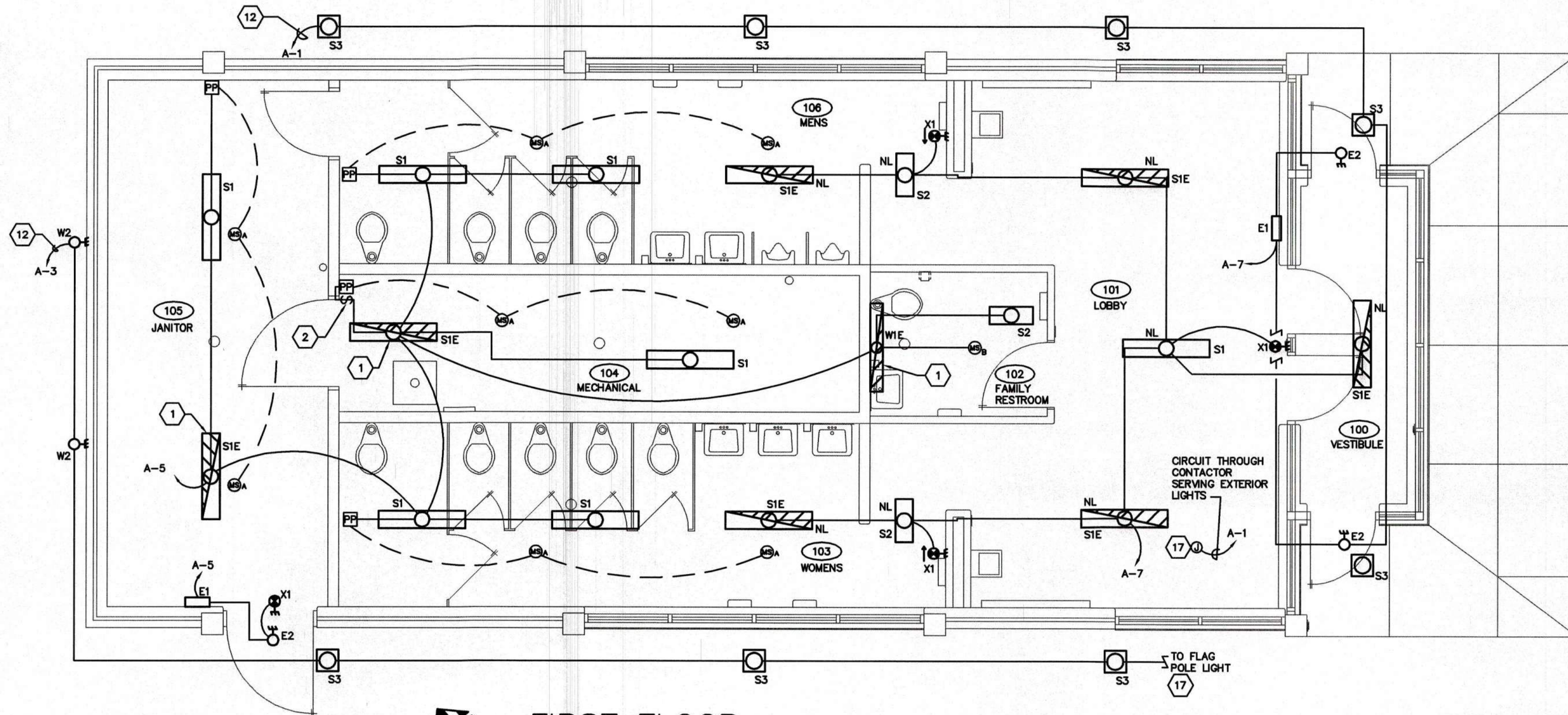
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E1.1-09146-GL-WB.DWG

PRATER
Engineering Associates, Inc.

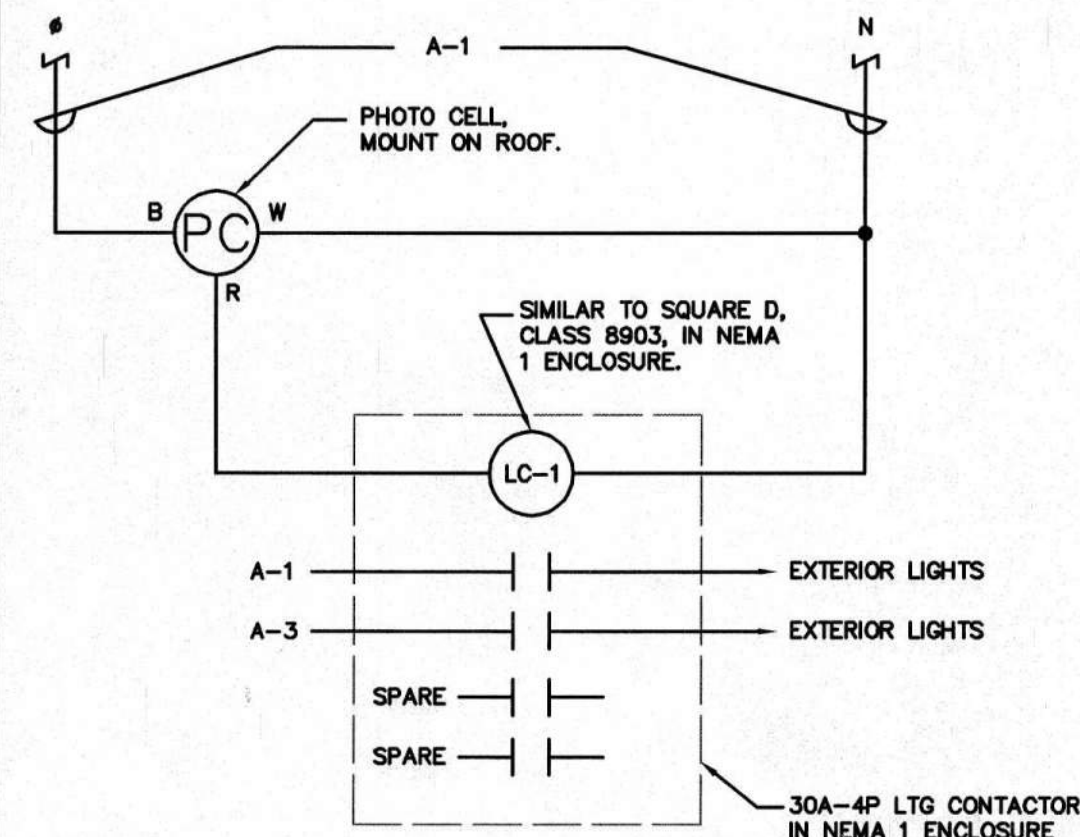
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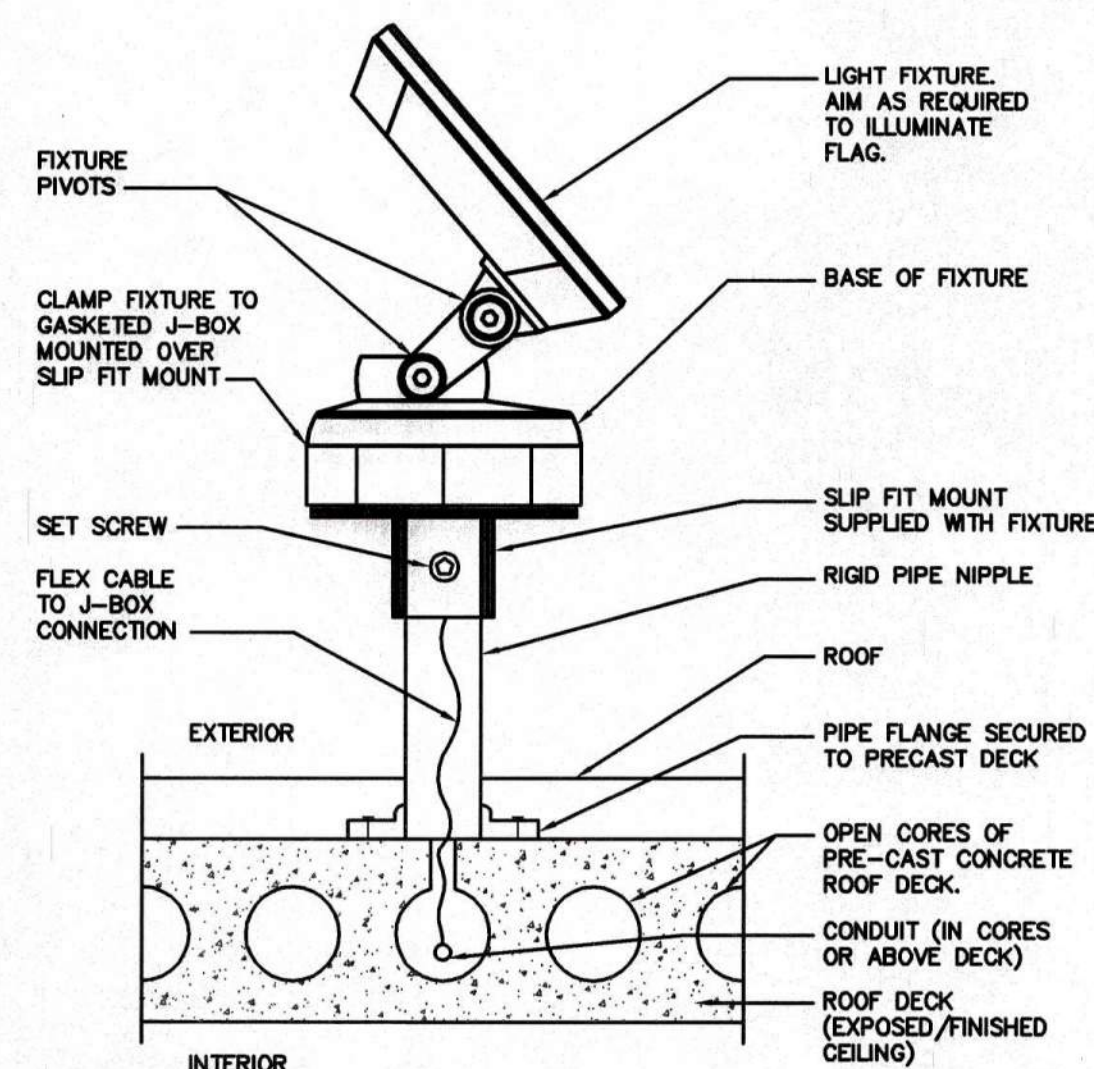


FIRST FLOOR
LIGHTING PLAN

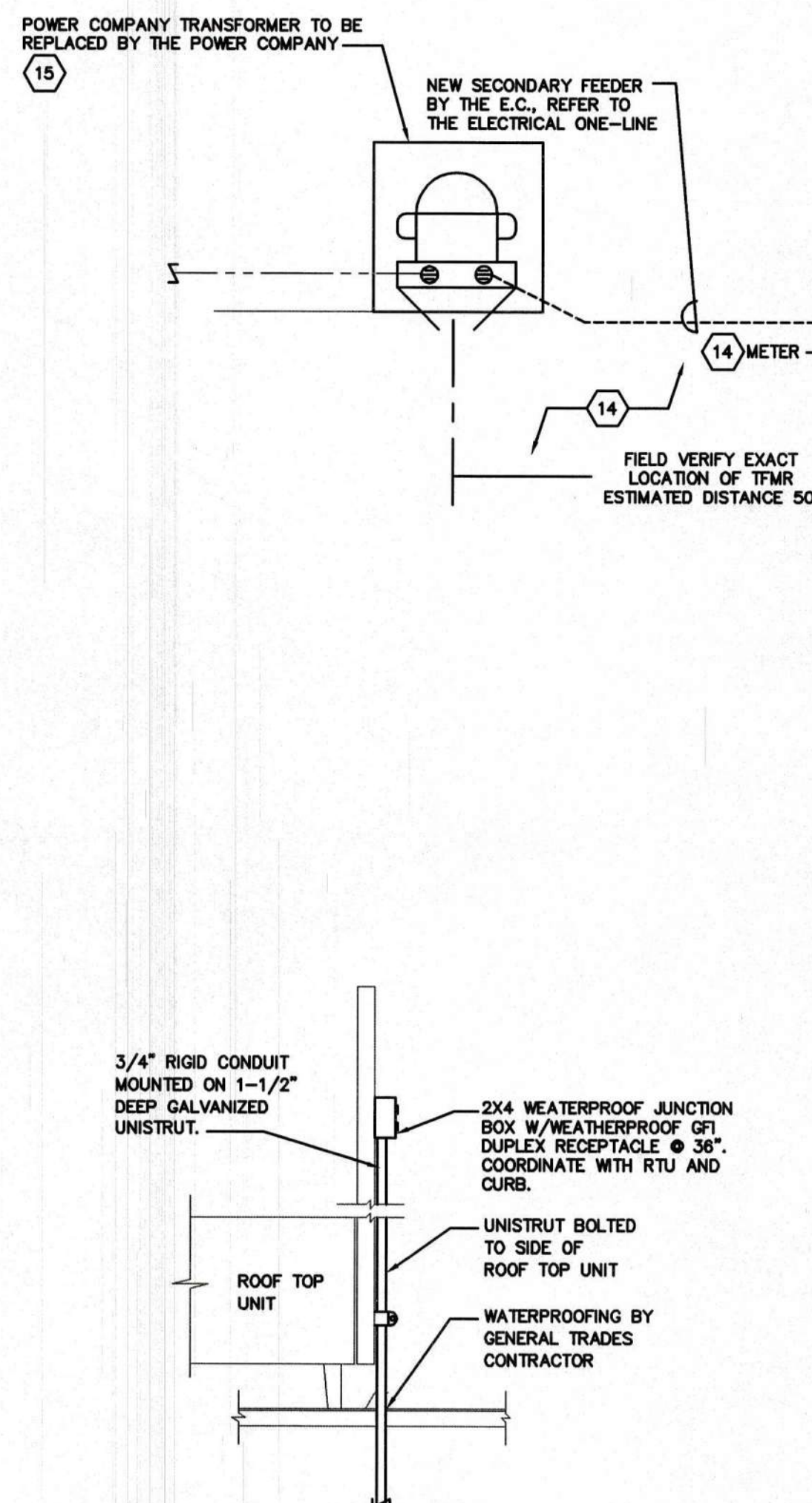
SCALE: 1/4" = 1'-0"



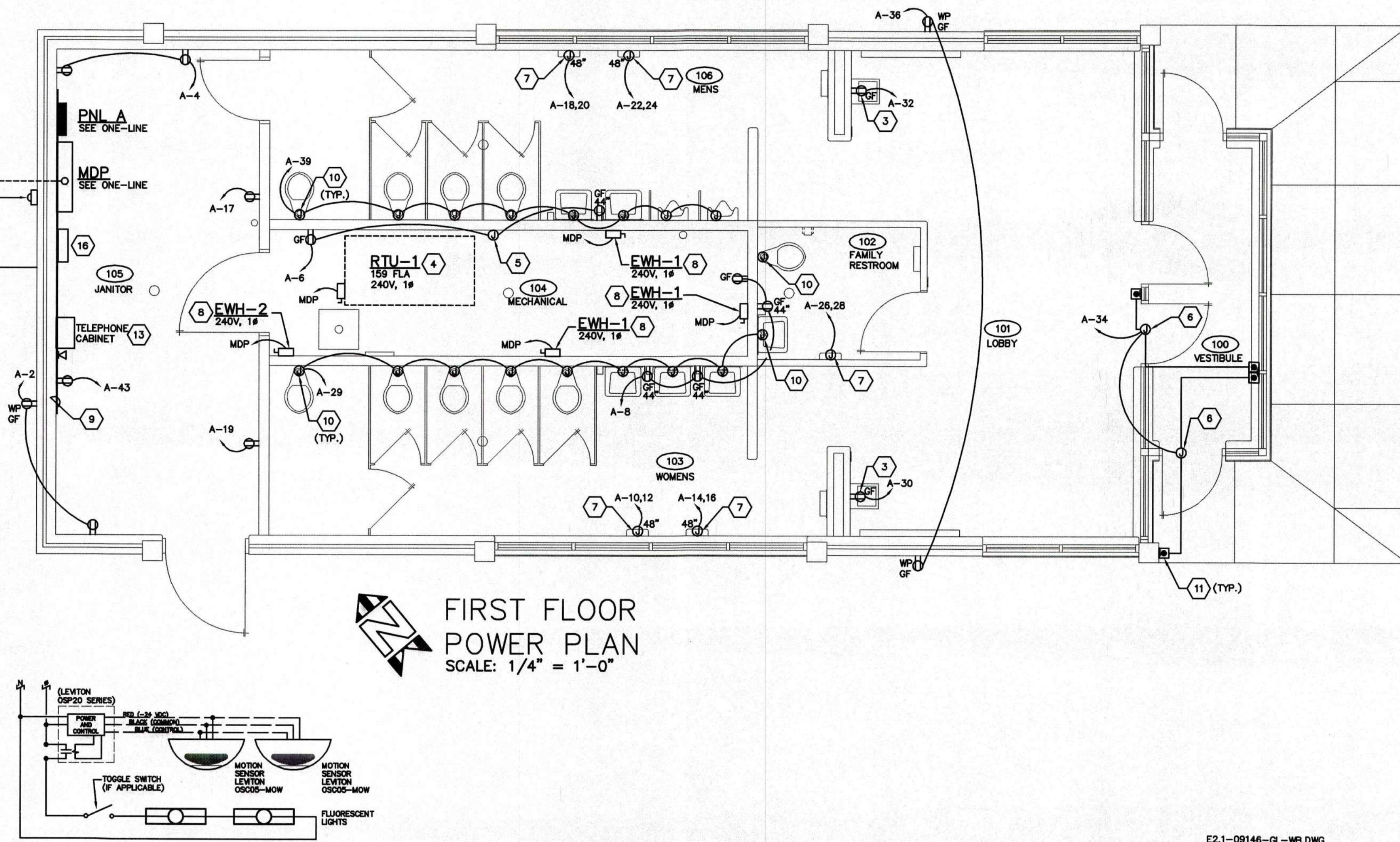
BLDG. EXTERIOR LIGHTING
CONTROL DIAGRAM
NOT TO SCALE



FLAG POLE LIGHT
MOUNTING DETAIL
SCALE: NONE



ROOFTOP UNIT
RECEPTACLE DETAIL
NOT TO SCALE



FIRST FLOOR
POWER PLAN
SCALE: 1/4" = 1'-0"

MOTION SENSOR
WIRING SCHEMATIC
SCALE: NOT TO SCALE

CODED NOTES

- PROVIDE FIXTURE WITH SWITCHED AND UNSWITCHED "HOT" WIRE. CONNECT UNSWITCHED WIRE TO BATTERY BALLAST.
- INSTALL SWITCH DOWNSTREAM FROM POWER PACK. SEE MOTION SENSOR WIRING SCHEMATIC ON THIS SHEET.
- COORDINATE INSTALLATION OF ELECTRIC WATER COOLER RECEPTACLE WITH PLUMBING CONTRACTOR.
- PROVIDE 240V, 1Ø CONNECTION TO ROOFTOP UNIT. COORDINATE WITH HVAC CONTRACTOR.
- PROVIDE ROOFTOP UNIT SERVICE RECEPTACLE PER DETAIL ON THIS SHEET. MOUNT ON ROOF. COORDINATE WITH HVAC CONTRACTOR.
- PROVIDE 120V CONNECTION TO MOTORIZED DOOR OPERATOR. COORDINATE WITH DOOR INSTALLER.
- PROVIDE 240V CONNECTION TO ELECTRIC HAND DRYER. COORDINATE WITH GENERAL TRADES CONTRACTOR.
- PROVIDE 240V CONNECTION TO INSTANTANEOUS WATER HEATER. COORDINATE LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR.
- PROVIDE A 16' WIDE X 4' HIGH X 3/4" THICK FIRE-RATED PLYWOOD BACKBOARD, WALL-MOUNTED ON 1/2" SPACERS WITH TOP AT 8'-0" AFF. BOARD SHALL BE PAINTED SEMI GLOSS WHITE WITH TWO COATS OF FIRE-RETARDANT PAINT. MOUNT ELECTRICAL EQUIPMENT ON OR AGAINST BACKBOARD.
- PROVIDE 120V CONNECTION TO AUTOMATIC FLUSH VALVE OR FAUCET SENSOR. COORDINATE WITH PLUMBING CONTRACTOR.
- PROVIDE 120V CONNECTION TO PUSH PLATE FOR DOOR OPERATOR CONTROLS. PUSH PLATE SHALL BE PROVIDED BY GENERAL TRADES CONTRACTOR. TRENCH CONCRETE SLAB AS NECESSARY TO RUN 3/4" CONDUIT WITH (3) #12 CONDUCTORS FROM PANEL A TO BASES OF PUSH PLATE CONTACTORS IN A CONCEALED FASHION. RUN CONDUIT FROM FLOOR UP TO PUSH BUTTON FLUSH WITH WALL. FOR INDOOR PUSH PLATE, FEED CONDUIT THROUGH FRAMING SYSTEM UP TO PUSH PLATE. CONCEAL VERTICAL CONDUIT RUN WITH METAL HAT CHANNEL. SECURE HAT CHANNEL WITH TAMPER PROOF SCREWS. HAT CHANNEL COLOR TO BE SELECTED BY ARCHITECT. COORDINATE WITH GENERAL CONTRACTOR.
- PROVIDE PHOTOCELL AND MOUNT ON ROOF TO CONTROL EXTERIOR LIGHTING CIRCUIT. PROVIDE 4-POLE LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE, MOUNTED NEXT TO PANEL A. FOR CONTROL OF TWO LIGHTING CIRCUITS. 2 CONTACTS SHALL BE KEPT AS SPARE. PHOTOCELL SHALL BE TORK MODEL # 2000 OR EQUAL BY PRECISION OR INTERMATIC. COORDINATE WITH GENERAL TRADES CONTRACTOR. SEE BUILDING EXTERIOR LIGHTING CONTROL DIAGRAM ON THIS SHEET.
- PROVIDE NEW TELEPHONE CABINET. COORDINATE WITH UTILITY.
- COORDINATE UTILITY SERVICE WITH POWER COMPANY PRIOR TO CONSTRUCTION. THE ELECTRICAL FIRST FLOOR POWER PLAN IS DIAGRAMATIC ONLY AND REPRESENTS GENERAL LOCATIONS OF EQUIPMENT AND UTILITY SPECIFICATIONS. THE POWER COMPANY SHALL PROVIDE DETAILED SPECIFICATIONS AND EQUIPMENT SIZES UPON REQUEST. DISCONNECT EXISTING SECONDARY CONDUCTORS AND PROVIDE NEW SECONDARY CONDUCTORS FROM THE UTILITY TRANSFORMER TO THE MDP. SEE ONE-LINE DIAGRAM, SHEET E3.1.
- PAD MOUNTED TRANSFORMER PROVIDED AND INSTALLED BY THE POWER COMPANY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN 8'X8'X12" REINFORCED CONCRETE PAD IN COMPLIANCE WITH THE POWER COMPANY SPECIFICATIONS, AND PAY ALL FEES REQUIRED BY THE UTILITY.
- RECONNECT EXISTING LIFT STATION HIGH WATER ALARM PANEL TO PANEL A.
- PROVIDE ROOF-MOUNTED LED FLAG POLE LIGHT TO SERVE EXISTING FLAG POLE. COORDINATE FIXTURE INSTALLATION WITH FLAG POLE FIXTURE TYPE SHALL BE PHILIPS #W BLAST POWERCORE # 523-000049-06. CIRCUIT AS SHOWN. PROVIDE ALL MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION AND MOUNT PER MANUFACTURER'S RECOMMENDATIONS. SEE FLAG POLE LIGHT MOUNTING DETAIL ON THIS SHEET. PROVIDE PIPE FLASHING BOOT TO FACILITATE ROOF INSTALLATION. MAINTAIN ROOF WARRANTY. COORDINATE LOCATION WITH ARCHITECT AND OWNER.

GENERAL NOTES

- ALL SHADED FIXTURES, EXIT SIGNS, NIGHT LIGHTS (NL), AND EMERGENCY LIGHTING FIXTURES SHALL BE CIRCUITED AHEAD OF ALL SWITCHING UNLESS NOTED OTHERWISE.
- REPRESENTS CEILING-MOUNTED DUAL-TECH MOTION SENSOR, LEVITON CAT # OSC05-MOW OR APPROVED EQUIVALENT, UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- REPRESENTS CEILING-MOUNTED LINE VOLTAGE MOTION SENSOR, LEVITON CAT # OSC05-11W OR APPROVED EQUIVALENT, UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- REPRESENTS POWER PACK FOR MOTION SENSORS, LEVITON OSP20 OR APPROVED EQUIVALENT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. POWER PACKS SHALL BE HIDDEN FROM VIEW.
- INSTALLATION OF ELECTRICAL CONDUITS, J-BOXES, ETC., SHALL BE DONE IN SUCH A WAY AS TO AVOID CAUSING DAMAGE TO EXISTING GLAZED TILE WALLS.
- RUN CONDUITS ABOVE ROOF DECK BELOW INSULATION ONLY WHEN THEY CANNOT BE OTHERWISE CONCEALED. PROTECT CONDUITS DURING CONSTRUCTION. SURFACE MOUNTED RACEWAY ("WIREDOLD") SHALL NOT BE USED.
- COLOR OF ALL DEVICES SHALL BE SELECTED BY THE ARCHITECT FROM PREMIUM COLORS.
- RECURT EXTERIOR LIGHTS SERVED BY LIGHTING CONTACTOR THROUGH NEW CONTACTOR.
- REUSE EXISTING J-BOXES AND CONDUITS SERVING EXTERIOR RECEPTACLES AND LIGHTS FOR NEW RECEPTACLES AND LIGHTS.
- COORDINATE LIGHTING FIXTURE INSTALLATIONS WITH ARCHITECT'S CEILING PLAN AND OTHER TRADES.
- COORDINATE NEW ELECTRICAL PANEL INSTALLATIONS WITH EXISTING EQUIPMENT AND DEVICES IN ELECTRICAL ROOM. PROVIDE ALL APPURTENANCES REQUIRED TO ENSURE PROPER OPERATION.
- CONDUITS SHALL BE CONCEALED, AND NOT RUN EXPOSED.
- THE ELECTRICAL FIRST FLOOR POWER PLAN DOES NOT SHOW ALL THE EXISTING UTILITIES, EXISTING UNDERGROUND EQUIPMENT, OR NEW UNDERGROUND SERVICES. THIS CONTRACTORS SHALL COORDINATE WITH ALL TRADES AND EXISTING CONDITIONS PRIOR TO THE START OF WORK. PRIOR TO EXCAVATING, LOCATE ALL UNDERGROUND SERVICES AND CLEARLY INDICATE LOCATIONS.
- PROVIDE NEW LIGHTING CONTACTORS AND RECURT SITE LIGHTS TO NEW PANEL A. NEW CONTACTORS SHALL BE HEAVY DUTY, WITH COILS RATED AT 240V/30A IN NEMA 1 ENCLOSURE. SUITABLE FOR WALL MOUNTING. SQUARE D TYPE LXG1200 OR APPROVED EQUAL BY CUTLER-HAMMER OR GENERAL ELECTRIC. MAINTAIN EXISTING CONTROL VIA ROOF-MOUNTED PHOTOCELLS. ENSURE THAT CIRCUIT AMPACITY IS NOT EXCEEDED. FIELD VERIFY ALL SITE LIGHTING EQUIPMENT AND LOCATIONS PRIOR TO BID.
- IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO SEQUENCE/ SCHEDULE, WITH THE GENERAL TRADES CONTRACTOR, ANY WORK THAT MAY INVOLVE, INTERFERE WITH, OR ALTER NEW ROOF INSTALLATION. ANY ALTERATIONS TO NEW ROOF AFTER COMPLETION SHALL BE MADE AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
- ALL ELECTRICAL DEVICES REQUIRING SCREWS SHALL BE INSTALLED WITH TAMPER-RESISTANT TORX TYPE SCREWS.
- COORDINATE ALL EXTERIOR CONDUIT ROUTING AND INSTALLATION WITH GENERAL TRADES CONTRACTOR.
- INSTALL ALL POWER PACKS AND EMERGENCY BATTERY PACKS IN CHASE AND AWAY FROM VIEW.

REVISIONS:
RECORD DRAWINGS



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DOT-090005.07

REST AREAS RENOVATION
AREA NO. 103, DISTRICT 10
US-55 W, GALIA COUNTY, OHIO

FIRST FLOOR
LIGHTING
AND POWER
PLAN

DRAWN BY: RCT CHECKED BY: MWS

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SAI # 09061.703

DRAWING NUMBER:

E2.1

E2.1-09146-GL-WB.DWG

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DRAWN BY RCT
CHECKED BY MWS
JOB NO. 09146

These Record Drawings have been prepared based on information provided by the installing contractor. The Engineer has not verified the accuracy of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result.

SYMBOL	DESCRIPTION	MOUNTING HGT. TO CENTER ABOVE FINISHED (RAISED) FLOOR UNLESS OTHERWISE NOTED
○	CEILING OUTLET	SEE DRAWINGS
○	WALL OUTLET	SEE DRAWINGS
○	SPECIAL OUTLET AS REQUIRED	SEE DRAWINGS
○	WIRING JUNCTION BOX	SEE DRAWINGS
○	BLANK OUTLET BOX	SEE DRAWINGS
○	DUPLEX RECEPTACLE 3 WIRE GRD. TYPE	18"
○	20 AMP TWIST LOCK RECEPTACLE - FLOOR MOUNTED	18"
○	DUPLEX RECEPTACLE WEATHERPROOF	18"
○	DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER	18"
○	DOUBLE DUPLEX RECEPTACLE	18"
○	TOGGLE SWITCH - SINGLE, 3-WAY & 4-WAY	42"
○	TOGGLE SWITCH - W/ PILOT LIGHT	42"
○	MOTION SENSOR (CEILING OR WALL AS INDICATED)	AS REQUIRED
○	POWER PACK FOR MOTION SENSOR	AS REQUIRED
○	COMMUNICATIONS OUTLET	18"
○	COMMUNICATIONS OUTLET - FLOOR MOUNTED (TECH PLATE)	AS REQUIRED
○	MOTOR - 1 PHASE	AS REQUIRED
○	MOTOR - 3 PHASE	AS REQUIRED
○	CEILING MOUNTED EXT LIGHT	SEE DRAWINGS
○	WALL MTD. EXT LIGHT W/ DIRECTIONAL ARROWS	SEE DRAWINGS
○	ELECTRICAL PANEL	6'-0" TO TOP
○	SAFETY SWITCH	AS REQUIRED
○	LINE VOLTAGE THERMOSTAT	80"
○	WALL BOX DIMMER	42"
○	EMERGENCY BATTERY UNIT	90"
○	VARIABLE SPEED SWITCH (BY OTHERS)	42"
○	FIRE ALARM BREAK STATION	42"
○	FIRE ALARM SIGNAL - HORN/STROBE	80"
○	FIRE ALARM SIGNAL - STROBE	80"
○	SMOKE DETECTOR - DUCT MOUNTED	SEE DRAWINGS
○	SMOKE DETECTOR - CEILING	SEE DRAWINGS
○	GROUND BAR	96"
○	DOOR HOLD OPEN	SEE DRAWINGS
○	SINGLE THROW-DOUBLE POLE SWITCH	42"
○	POWER ZONE DISTRIBUTION BOX	48"
○	FIRE ALARM ADDRESSABLE CONTROL MODULE	
○	PUBLIC TELEPHONE OUTLET (PAY PHONE)	
○	FLOOR POWER OUTLET (TECH PLATE) - PREFAB WIRE SYSTEM	
○	CEILING MOUNTED SPEAKER	
○	WALL MOUNTED SPEAKER	
○	50 AMP TWIST LOCK RECEPTACLE - FLOOR MOUNTED	
○	ZONE BOX	

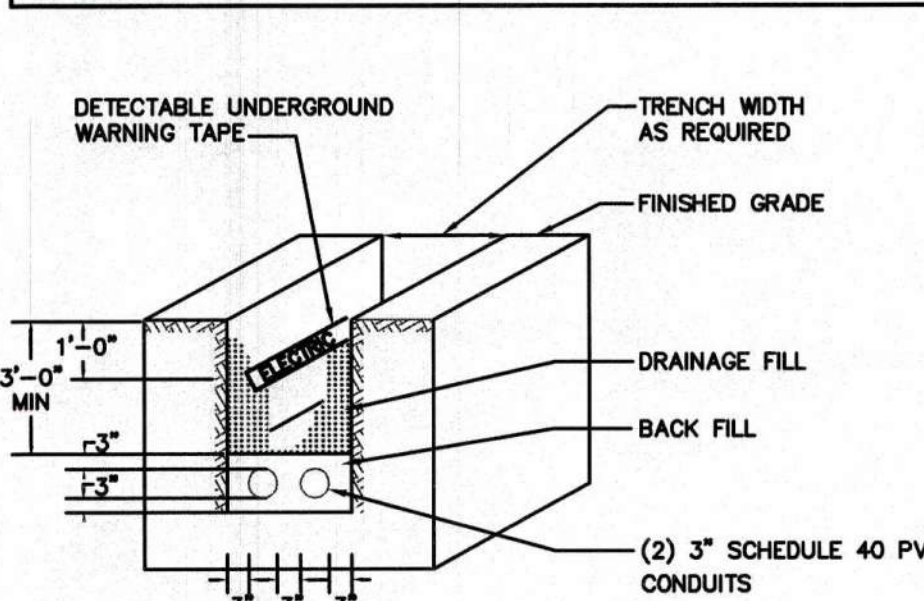
ELECTRICAL ABBREVIATIONS

AWG	AMERICAN WIRE GAUGE	GEN	GENERAL
A	AMPERE	GRD	GROUND
AB	ABOVE	HTG	HEATING
AFF	ABOVE FINISHED FLOOR	IC	INTERCOM
ARCH	ARCHITECTURAL	JUNC	JUNCTION
AUX	AUXILIARY	K.E. CONTR.	KITCHEN EQUIPMENT CONTRACTOR
BD	BOARD	K O	KNOCK OUT
BKR	BREAKER	LTO	LIGHTING
BLDG	BUILDING	L/V	LOW VOLTAGE
BTM	BOTTOM	M.H.	MANHOLE
CAB	CABINET	MFGR	MANUFACTURER
CLO	CEILING	MAX	MAXIMUM
CL	CENTERLINE	MECH	MECHANICAL
CIRC	CIRCUIT	MTL	METAL
CONC	CONCRETE	MIN	MINIMUM
COND	CONDUIT	MTD	MOUNTED
CONN	CONNECTION / CONNECTOR	MTG	MOUNTING
CONTR	CONTRACTOR	OPNG	OPENING
CONT	CONTROL	PLUMB	PLUMBING
COORD	COORDINATE	OPER	OPERATOR/OPERATED
C/T	CURRENT TRANSFORMER	PNL	PANEL
C/C	CENTER TO CENTER	P/T	POTENTIAL TRANSFORMER
DTL	DETAIL	PI	PUSH-BUTTON
DIAG	DIAGRAM	P.A.	PUBLIC ADDRESS
DIA	DIAMETER	R.A.	RETURN AIR
DISC	DISCONNECT	RECEPT	RECEPTACLE
DN	DOWN	REQ'D	REQUIRED
DR	DOOR	RM	ROOM
DWGS	DRAWINGS	S.A.	SUPPLY AIR
EA	EACH	SCHED	SCHEDULE
ELEC	ELECTRICAL	SHT	SHEET
ELEV	ELEVATION	STAT	THERMOSTAT
EMERG	EMERGENCY	SW	SWITCH
EQUIP	EQUIPMENT	SW/BD	SWITCHBOARD
EXH	EXHAUST	TELE	TELEPHONE
EXIST	EXISTING	T.V.	TELEVISION
FDR	FEEDER	TEMP.	TEMPERATURE
FA	FIRE ALARM	TERM. BD.	TERMINAL BOARD
FIX	FIXTURE	TRANS	TRANSFER
FLEX	FLEXIBLE	TRMR	TRANSFORMER
FLR	FLOOR	TYP	TYPICAL
FLUOR	FLUORESCENT	T.C.C.	TEMP. CONTROL CONTRACTOR
FRACT	FRACTIONAL	WP	WEATHERPROOF
FURN	FURNISH	W	WIRE
FUSBL	FUSIBLE	W/	WITH

FEEDER SCHEDULE ①

DESIG.	C.B. OR FUSE SIZE	FEEDER SIZE
①	800A	2 - 3 - 600 + 1/0 - 3"
②	250A	1 - 3 - 250 + 4 - 2"
③	200A	1 - 2 - 3/0 + 6 - 2"
④	50A	1 - 2 - 6 + 10 - 3/4"
⑤	40A	1 - 2 - 8 + 10 - 3/4"
⑥	60A	1 - 2 - 4 + 10 - 1-1/4"
⑦	90A	1 - 2 - 1 + 6 - 1-1/2"
⑧	125A	1 - 2 - 1/0 + 6 - 1-1/2"

WIRING LEGEND
NO. OF SETS OF CONDUCTORS IN FEEDER.
NO. OF POWER CONDUCTORS
MINIMUM CONDUIT SIZE FOR EACH SET *
GROUND CONDUCTOR SIZE FOR EACH SET (* USED IF GROUND CONDUCTOR NOT USED)
SIZE OF CONDUCTORS (AWG OR KCMIL)



SECONDARY DUCT BANK DETAIL SCALE: NONE

LUMINAIRE SCHEDULE

FIXTURE NUMBER	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	REMARKS
S1	4' LONG SURFACE MOUNTED ENCLOSED LUMINAIRE WITH WHITE FINISH AND CLEAR PRISMATIC POLYCARBONATE LENS	LITHONIA LS LUMINAIRE LC DOANE FAIL SAFE	VSL 3 32 MVOLT 1/3 GEBIORS DL VPF4-332-SSOR-TORX-UE LVP 751-332-PRS-120/277-CP-DAMP LPC-323-UNV-10R-EL-TP-K-D-E1 FPS-332-UNV-ER81-GLR	(3) 32W T8	
S1E	SAME AS FIXTURE TYPE S1, EXCEPT WITH BATTERY BALLAST FOR ONE LAMP	LITHONIA LS LUMINAIRE LC DOANE FAIL SAFE	VSL 3 32 MVOLT 1/3 GEBIORS DL VPF4-332-SSOR-TORX-UE-EM LVP 751-332-PRS-120/277-CP-DAMP-EMB LPC-323-UNV-10R-EL-TP-K-D-E1 FPS-332-UNV-ER81-GLR-ABDL	(3) 32W T8	1400-LUMEN BATTERY MIN. PROVIDE FOUR SPARE FIXTURES WITH EMERGENCY BATTERY PACKS FOR FUTURE USE.
S2	2' LONG SURFACE MOUNTED ENCLOSED LUMINAIRE WITH WHITE FINISH AND CLEAR PRISMATIC POLYCARBONATE LENS	LITHONIA LS LUMINAIRE LC DOANE FAIL SAFE	VSL 2 17 MVOLT GEBIORS DL VPF2-217-SSOR-TORX-UE LVP 751-217-PRS-120/277-CP-DAMP LPC-172-UNV-10R-EL-TP-K-D-FWE-217-UNV-ER81-GLR-WL	(2) 17W T8	
S3	13" X 13" X 10" DEEP HID EXTERIOR FIXTURE WITH ALUMINUM HOUSING, SPECULAR ALUMINUM REFLECTOR, AND TAMPERPROOF FASTENERS	GUTH LS LUMINAIRE LEGION FAIL SAFE	HANDLITER-Z B17651/120/TP PADM-5-100MH-DA-MT-BRZ-TP LVP 1212-100MH-120-NPF-X-ST/SC VANDALEX 1719-1100MH-UBP-WL HUD-100M-MT-SF	(1) 100W MH	
W1E	4' LONG WALL BRACKET WITH HOUSING DIE-FORMED FROM CODE-GAUGE STEEL, VIRGIN ACRYLIC PATTERN #12 LENS, AND BATTERY BALLAST	LITHONIA H.E. WILLIAMS COLUMBIA LEGION METALUX	WS 2 32 A12 120 EL 29-4-232-A-EMT-E82-120 SA4-232-E120-EL PRISMALIER 1285-232-ACP EBO BEU-232-120V-ER-148-ER81-148-U	(2) 32W T8	1400-LUMEN BATTERY MIN.
W2	16" X 16" X 8" HIGH EXTERIOR WALL FIXTURE WITH RUGGED DIE-CAST ALUMINUM HOUSING AND ALUMINUM REFLECTOR	LITHONIA H.E. WILLIAMS HUBBELL DAYBRITE LUMARK	TWP 100M 120 XX WL3-PSMH100-120 PVL3-100P-18-BZ-L WLM100M-DT MPWL-100-120V	(1) 100W MH	COLOR BY ARCHITECT
E1	EMERGENCY REMOTE BATTERY PACK FOR EXIT DISCHARGE EMERGENCY LAMPS WITH 6V, 18W CAPACITY	LITHONIA EMERG-LITE DUAL-LITE DAYBRITE SURE LITES	QUANTUM SERIES ELM618 R0 JS418-0 L230-0 ETL18-LH CC5 WH 0	N/A	
E2	EXIT DISCHARGE EMERGENCY LAMPS	LITHONIA EMERG-LITE COMPASS DAYBRITE SURE LITES	QUANTUM SERIES ELA W NX H1206 EF23-ZD CSHSW0605 CRTCSWC 6X9WHSQ-2915	(1) 6V, 12W HALOGEN	MOUNT ABOVE DOOR
X1	VANDAL-RESISTANT, UNIVERSAL MOUNT CAST ALUMINUM EXIT SIGN	LITHONIA EMERG-LITE DUAL-LITE DAYBRITE SURE LITES	LV S W 1 R 120/277 EL N UM SYNDRO-4X SC5RWE ER60MLD-1-R-W UX71RWHSD	LED	
R1	2' X 4' 3-LAMP RECESSED DIRECT/INDIRECT FLUORESCENT "BASKET" FIXTURE WITH ROUND PERFORATED WHITE STEEL LAMP SHIELD	LITHONIA LS LUMINAIRE DAYBRITE METALUX	2AV G 3 32 MDR MVOLT 1/3 GEBIORS 2LLC-G-332-RPW-SSOR-UE STR24-332G-MPC-SEPU-F0835 2PFG332-PMW-1/3EB10R-F327B/SPX35 2RDI332RP 120V ERB 1	(3) F327B/SPX35	

LIGHT FIXTURE SCHEDULE NOTE:
ULTRA BALLASTS WITH T8 WATT MISER LAMPS.
PER NEC 410.130(c), ALL FLUORESCENT LUMINAIRES UTILIZING DOUBLE-ENDED LAMPS SHALL BE PROVIDED WITH FACTORY-INSTALLED DISCONNECT SWITCH.

CODED NOTES ①

- COORDINATE WITH UTILITY COMPANY FOR POSSIBLE TRANSFORMER UPGRADE. PROVIDE NEW SECONDARY CONDUCTORS AS SPECIFIED IN ONE-LINE, EVEN IF UTILITY COMPANY RETAINS EXISTING TRANSFORMER. COORDINATE SECONDARY CONDUCTOR INSTALLATION WITH UTILITY COMPANY.
- UTILITY COMPANY SHALL PROVIDE METER AND CURRENT TRANSFORMERS. ELECTRICAL CONTRACTOR SHALL INSTALL C.T. CABINET, METER SOCKET, WIRING AND CONDUIT AS REQUIRED BY UTILITY COMPANY. COORDINATE WITH UTILITY COMPANY.
- DISTRIBUTION PANEL SHALL BE SQUARE D I-LINE TYPE HCP OR APPROVED EQUAL WITH MINIMUM 45" BREAKER MOUNTING SPACE.
- PANEL A SHALL BE A 54-CIRCUIT PANEL.
- DISCONNECT FEEDER FROM EXISTING PANEL P TO EXISTING EXTERIOR STRUCTURE. REMOVE FEEDER CONDUCTORS UP TO A POINT OUTSIDE EXISTING BUILDING, AND PROVIDE J-BOX TO SPLICE AND EXTEND CONDUCTORS TO NEW MDP. SEE GENERAL NOTE K ON SHEET E1.1.

Panel ID: A		Location: ELEC. ROOM		Voltage: 240 / 120		Panel Type: GE OR S.D.						
Mounting: SURFACE		Phase: 3		Wires: 3		Enclosure: NEMA-1						
Main Type: M.L.O.		Main Size: 400		Amps								
All phases to be balanced to within 7% using connected loads.												
All circuit breakers shall be standard bolt-on type, unless noted otherwise.												
** = Refer to one line diagram for wire sizes												
QND	WIRE	BRANCH	CIRCUIT	BKR	CONNL.	CONNL.	CONNL.	OKT	OKT	BRANCH	CIRCUIT	WIRE
SIZE	SIZE	DESCRIPTION	DESCRIPTION	SIZE	LOAD	LOAD	LOAD	OPTION	OPTION	DESCRIPTION	DESCRIPTION	SIZE
12	12	EXTERIOR LTS	20/1	0.650	1	A	2	0.720	20/1	RCPT	RCPT	12
12	12	EXTERIOR LTS	20/1	0.650	3	B	4	0.840	20/1	RCPT	RCPT	12
12	12	RR/MED/AMN LTS	20/1	0.780	5	A	6	0.840	20/1	RCPT/RYT/LTS	RCPT/RYT/LTS	12
12	12	LOBBY LTS	20/1	1.100	7	B	8	0.720	20/1	RCPT/RYT/LTS	RCPT/RYT/LTS	12
8	8	EXIST. PKG LOT LTS	30/2	1.500	9	A	10	1.200	15/2	HAND DRYER	HAND DRYER	12
8	8	EXIST. PKG LOT LTS	30/2	1.500	11	B	12	1.200	15/2	HAND DRYER	HAND DRYER	12
8	8	EXIST. PKG LOT LTS	30/2	1.500	13	A	14	1.200	15/2	HAND DRYER	HAND DRYER	12
8	8	EXIST. PKG LOT LTS	30/2	1.500	15	B	16	1.200	15/2	HAND DRYER	HAND DRYER	12
12	12	RCPT	20/1	0.180	17	A	18	1.200	20/1	HAND DRYER	HAND DRYER	12
12	12	RCPT	20/1	0.180	19	B	20	1.200	20/1	HAND DRYER	HAND DRYER	12
12	12	LIFT STN ALARM PNL	20/1	0.500	21	A	22	1.200	15/2	HAND DRYER	HAND DRYER	12
10	10	EXIST. VENDING MCHN	20/1	1.000	23	B	24	1.200	20/1	HAND DRYER	HAND DRYER	12
10	10	EXIST. FLAGE PLOE LTS	20/1	0.500	25	A	26	1.200	15/2	HAND DRYER	HAND DRYER	12
10	10	SHELTER LTS AND REC	20/1	1.000	27	B	28	1.200	20/1	HAND DRYER	HAND DRYER	12
12	12	FLUSH VALVES	20/1	1.000	29	A	30	0.800	20/1	EWIC	EWIC	12
12	12	RCPT	20/1	0.180	31	B	32	0.800	20/1	EWIC	EWIC	12
12	12	RCPT	20/1	0.180	33	A	34	0.200	20/1	DOOR OPERATOR	DOOR OPERATOR	12
12	12	DOOR OPERATOR	20/1	0.200	35	B	36	0.360	20/1	EXTERIOR RCPT	EXTERIOR RCPT	12
10	10	EXIST. PAY PHONE	20/1	0.500	37	A	38	1.000	20/2	EX. EXTERIOR "BOX"	EX. EXTERIOR "BOX"	10
12	12	FLUSH VALVES	20/1	0.500	39	B	40	0.000	20/1	SPARE	SPARE	12
10	10	EXIST. KIOSK	20/1	1.000	41	A	42	0.000	20/1	SPARE	SPARE	12
10	10	EXIST. KIOSK	20/1	1.000	43	B	44	0.000	20/1	SPARE	SPARE	12
10	10	EXIST. VENDING MCHN	20/1	1.000	45	A	46	0.000	20/1	SPARE	SPARE	12
10	10	EXIST. VENDING MCHN	20/1	1.000	47	B	48	0.000	20/1	SPARE	SPARE	12
10	10	EXIST. VENDING MCHN	20/1	0.000	49	A	50	0.000	20/1	SPARE	SPARE	12
10	10	SPARE	20/2	0.000	51	B	52	0.000	20/1	SPARE	SPARE	12
10	10	SPARE	20/2	0.000	53	A	54	0.000	20/1	SPARE	SPARE	12
Connected Load Panel Summary								Breaker Options (If Used):				
Phase A: 18.5 KVA 154.2 AMPS								TC - Time Clock Control				
Phase B: 19.0 KVA 158.3 AMPS								LO - Lock-On Device				
Total: 37.5 KVA 156.2 AMPS								GF - GND Fault CKT Interrupter				
								IG - Isolated ground				
								SH - Shunt Trip Breaker				

Panel ID: MDP		Location: ELEC. ROOM		Voltage: 240 / 120		Panel Type: Enclosure: NEMA-1										
Mounting: SURFACE		Main Type: M.C.B.		Wire: 3		Main Size: 800 Amps										
All phases to be balanced to within 7% using connected loads.																
All circuit breakers shall be standard bolt-on type, unless noted otherwise. ** = Refer to one-line diagram for wire sizes.																
QND	WIRE	BRANCH CIRCUIT	QKT	BKR	LOAD	QKT	PHASE	QKT	CONN. LOAD	QKT	BKR	QKT	BKR	BRANCH CIRCUIT	WIRE	QND
SIZE	SIZE	DESCRIPTION	SIZE	OPTION	(KVA)	NO.		NO.	(KVA)	NO.	OPTION	SIZE	SIZE	DESCRIPTION	SIZE	SIZE
**	**	TVSS	80/2	---	0.000	3	A	B	4.350	---	---	---	---	---	---	---
**	**	PANEL A	250/2	---	18.500	5	A	B	4.350	---	---	---	---	---	---	---
**	**	RTU-1	200/2	---	18.000	7	A	B	4.350	---	---	---	---	---	---	---
**	**	EW-1	40/2	---	18.000	11	A	B	10.1370	---	---	---	---	---	---	---
**	**	EW-1	40/2	---	3.750	13	A	B	12.1370	---	---	---	---	---	---	---
**	**	EW-1	40/2	---	3.750	15	A	B	0.000	---	---	---	---	---	---	---
**	**	EW-1	40/2	---	3.750	17	A	B	0.000	---	---	---	---	---	---	---
**	**	EW-1	40/2	---	3.750	21	A	B	22.000	---	---	---	---	---	---	---
**	**	EW-2	50/2	---	3.750	25	A	B	20.000	---	---	---	---	---	---	---
**	**	DIST. LIFT STATION	90/2	---	4.750	27	A	B	28.000	---	---	---	---	---	---	---
**	**	SPARE	125/2	---	8.100	31	A	B	32.000	---	---	---	---	---	---	---
**	**	SPARE	50/2	---	11.250	33	A	B	34.000	---	---	---	---	---	---	---
**	**	SPARE	50/2	---	11.250	35	A	B	38.000	---	---	---	---	---	---	---
**	**	SPARE	50/2	---	0.000	37	A	B	38.000	---	---	---	---	---	---	---
**	**	SPARE	50/2	---	0.000	38	A	B	40.000	---	---	---	---	---	---	---
**	**	SPARE	50/2	---	0.000	41	A	B	42.000	---	---	---	---	---	---	---
Connected Load Panel Summary								Breaker Operations (If Used):								
Phase A: 83.6 KVA								TC = Time Clock Control								
Phase B: 54.1 KVA								LO = Load-On Device								
Total: 107.7 KVA								GF = Ground Fault CKT Interrupter								
								IS = Isolated ground								
								SH = Shut Trip Breaker								