

FACD08 RESTROOMS AT PREBLE TRUCK PARKING

I-70 WB @ MM 01, NEW PARIS, OH
45347, PREBLE COUNTY

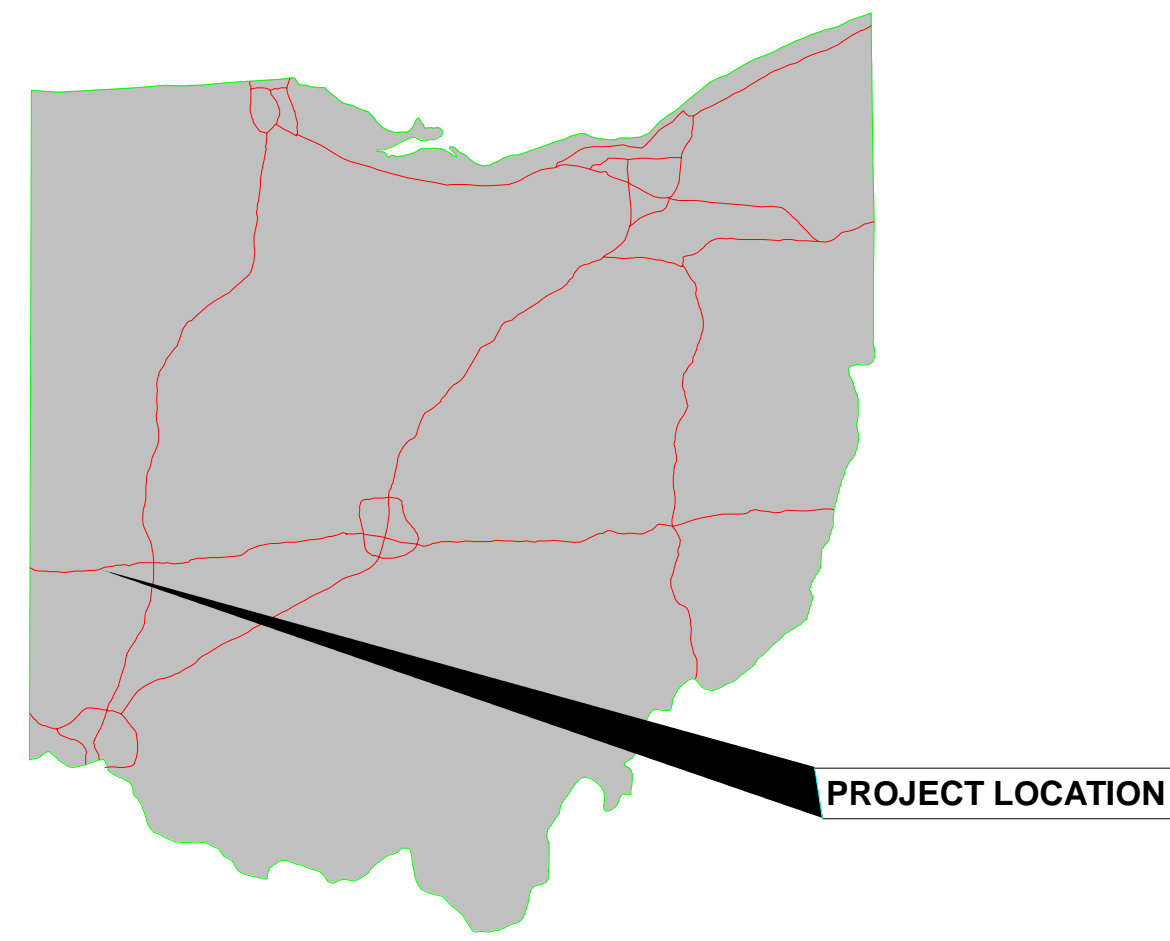
PREPARED FOR
OHIO DEPARTMENT OF TRANSPORTATION

1980 WEST BROAD STREET
COLUMBUS, OH 43223

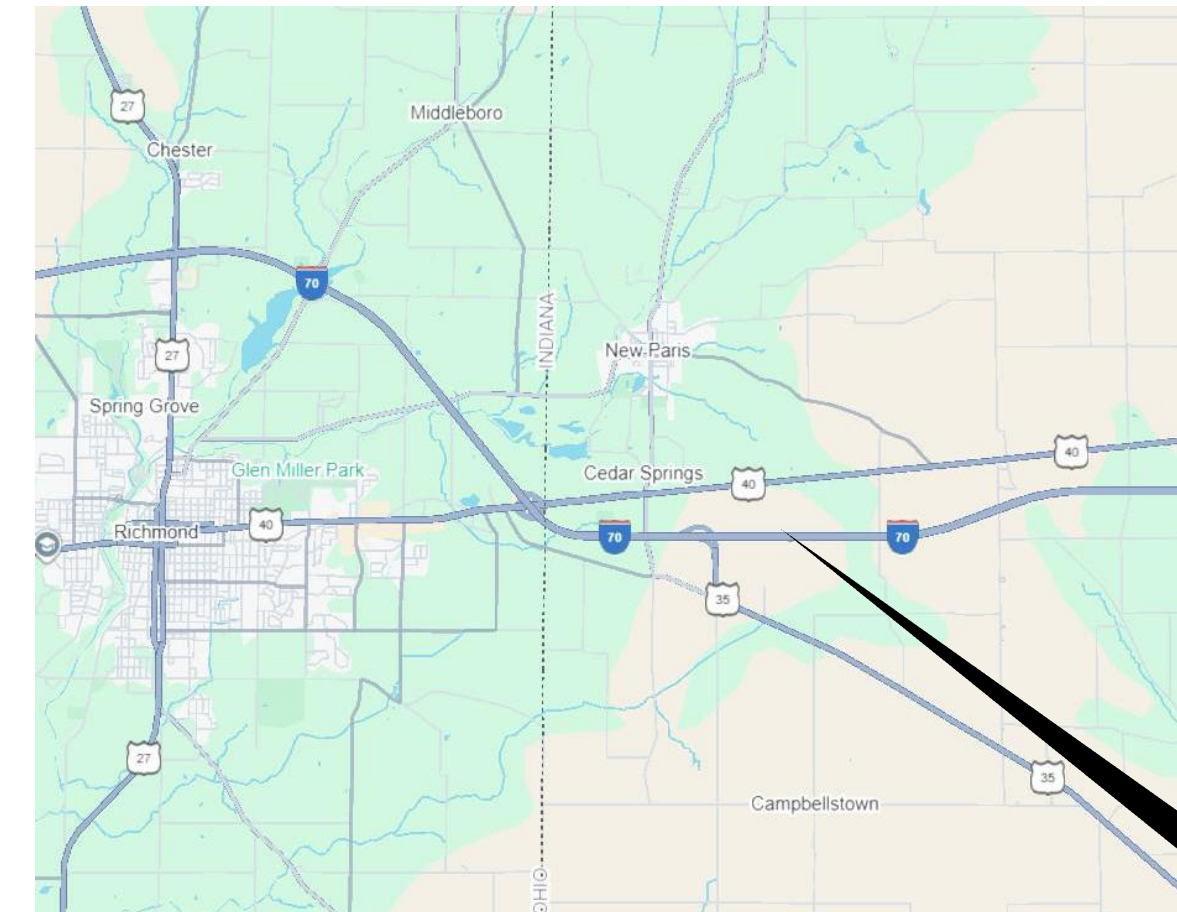
PREPARED BY
STAR CONSULTANTS, INC.

1910 CROWN PARK COURT
COLUMBUS, OHIO 43235

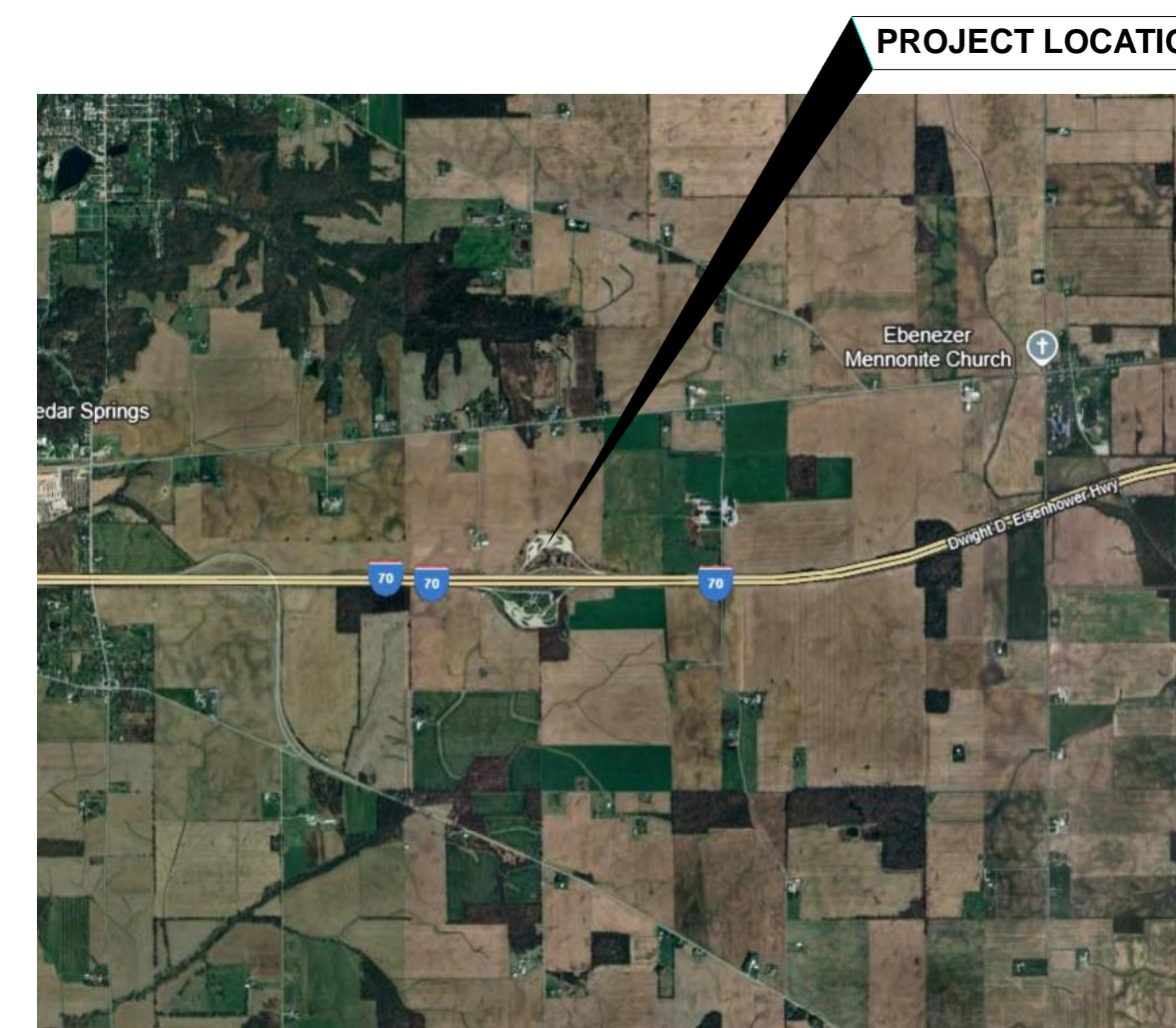
PHONE: (614) 538-8445 FAX: (614) 538-8446 E-mail: star@starconsultants.org



VICINITY MAP



VICINITY MAP



SITE LOCATION MAP



1 PERSPECTIVE RENDERING

ISSUED FOR			SHEET NUMBER	SHEET NAME
SCHEMATIC DESIGN	CONSTRUCTION BID/PERMIT	CONFORMED		
00 - GENERAL				
••••	G.001		COVER	
••••	G.002		LIFE SAFETY PLAN	
••••	G.003		LEGENDS, SYMBOLS AND ABBREVIATIONS	
••••	G.004		TYPICAL ADA STANDARDS	
01 - CIVIL				
••••	1-5		SURVEY SITE PLAN	
••••	C.100		GENERAL NOTES	
••••	C.101		DEMOLITION SITE PLAN	
••••	C.102		NEW WORK - UTILITY SITE PLAN	
••••	C.103		ENLARGED SITE GRADING PLAN	
••••	C.104		SECTION LINES	
••••	C.105		PROP. TEMPORARY GRAVEL ENTRANCE RAMP PLAN	
••••	C.106		PROP. TEMPORARY GRAVEL EXIST RAMP PLAN	
••••	C.107		PROP. TEMPORARY GRAVEL ENTRANCE RAMP PROFILE	
••••	C.108		PROP. TEMPORARY GRAVEL EXIST RAMP PROFILE	
••••	C.109		PROP. TEMPORARY GRAVEL ENTRANCE RAMP CROSS SECTIONS	
••••	C.110		PROP. TEMPORARY GRAVEL EXIST RAMP CROSS SECTIONS	
••••	C.111		PROP. TEMPORARY GRAVEL EXIST RAMP CROSS SECTIONS	
••••	C.112		PROP. TEMPORARY GRAVEL EXIST RAMP CROSS SECTIONS	
••••	C.113		PROP. TEMPORARY GRAVEL EXIST RAMP CROSS SECTIONS	
••••	C.114		PROP. SANITARY AND STORM PROFILES	
••••	C.115		PROP. WATER LINE PROFILE	
••••	C.116		DETAILS	
••••	C.117		PROPOSED LIFT STATION DETAIL	
02 - ARCHITECTURAL				
••••	A.101		DIMENSIONED FLOOR PLAN	
••••	A.102		REFLECTED CEILING PLAN	
••••	A.103		ROOF PLAN	
••••	A.200		EXTERIOR ELEVATIONS	
••••	A.201		EXTERIOR ELEVATIONS	
••••	A.300		BUILDING SECTIONS	
••••	A.301		WALL SECTIONS	
••••	A.302		WALL SECTIONS	
••••	A.400		EQUIPMENT FLOOR PLAN	
••••	A.401		INTERIOR ELEVATIONS	
••••	A.402		INTERIOR ELEVATIONS	
••••	A.500		EXTERIOR DETAILS	
••••	A.501		INTERIOR DETAILS	
••••	A.502		ROOF DETAILS	
••••	A.600		FINISH PLAN AND SCHEDULE	

ISSUED FOR			SHEET NUMBER	SHEET NAME
SCHEMATIC DESIGN	CONSTRUCTION BID/PERMIT	CONFORMED		
••••	A.601		SCHEDULES AND DETAILS	
03 - STRUCTURAL				
••••	S0.1		GENERAL NOTES & TYPICAL DETAILS	
••••	S0.2		GENERAL NOTES & TYPICAL DETAILS	
••••	S0.3		TYPICAL STRUCTURAL DETAILS	
••••	S101		FOUNDATION PLAN	
••••	S102		ROOF FRAMING PLAN	
••••	S201		FOUNDATION SECTIONS	
04 - MECHANICAL				
••••	M.001		GENERAL NOTES, LEGENDS & ABBREVIATIONS	
••••	M.101		FIRST FLOOR MECHANICAL PLAN	
••••	M.102		MECHANICAL SECTION PLANS	
••••	M.501		MECHANICAL DETAILS	
••••	M.601		MECHANICAL SCHEDULES	
••••	M.602		MECHANICAL VENTILATION SCHEDULE	
05 - PLUMBING				
••••	P.001		GENERAL NOTES, LEGENDS & ABBREVIATIONS	
••••	P.101		SANITARY AND VENT FLOOR PLAN	
••••	P.102		UTILITIES PLUMBING LAN	
••••	P.103		ENLARGED MECHANICAL ROOM PLUMBING PLAN	
••••	P.501		PLUMBING DETAILS	
••••	P.502		PLUMBING DETAILS	
••••	P.601		PLUMBING SCHEDULES	
••••	P.602		PLUMBING SCHEDULES	
••••	P.701		PLUMBING SANITARY & VENT ISOMETRIC	
••••	P.801		PROPANE GAS ISOMETRIC	
06 - ELECTRICAL				
••••	GE.001		ELECTRICAL ABBREVIATIONS & NOTES	
••••	GE.002		ELECTRICAL SYMBOLS & LEGENDS	
••••	E.100		OVERALL SITE ELECTRICAL PLAN	
••••	E.101		LIGHTING PLAN	
••••	E.102		POWER PLAN	
••••	E.103		LIGHTING & PANELBOARD SCHEDULES	
••••	E.104		EQUIPMENT ELECTRICAL CONNECTION SCHEDULE	
••••	E.105		ONE LINE DIAGRAM	

ISSUED FOR BID
02/04/2026



CODE INFORMATION
PROJECT:
 THIS PROJECT, LOCATED IN PREBLE COUNTY, OHIO INVOLVES THE CONSTRUCTION OF A NEW 1-STORY, NON SPRINKLED RESTROOM FOR A HIGHWAY TRUCK PARKING AREA.

THE FACILITY WILL BE CONSTRUCTED OF CMU BEARING WALLS WITH A PRE-ENGINEERED TRUSS ROOF. THIS PROJECT WILL ALSO INVOLVE PLUMBING, MECHANICAL AND ELECTRICAL.

ADDRESS:
 1-70 WB @ MM 01, EASTON, PREBLE COUNTY

OWNER'S NAME:
 OHIO DEPARTMENT OF TRANSPORTATION

GOVERNING AGENCIES AND APPLICABLE CODES:
 2024 OHIO BUILDING CODE, AND ALL AMENDMENTS
 2024 OHIO MECHANICAL CODE, AND ALL AMENDMENTS
 2024 OHIO PLUMBING CODE, AND ALL AMENDMENTS
 2023 NATIONAL ELECTRIC CODE
 2024 NFPA 101
 2017 ICC A117.1 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS

BUILDING CODE REVIEW

THE FOLLOWING CHAPTERS OF THE OBC HAVE BEEN USED TO DEVELOP THE DESIGN:

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION:

SECTION 304: USE GROUP B (BUSINESS)

CHAPTER 4 - SCOPE:

SECTION 406.6.3 - BUILDING IS NOT EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS:

SECTION 502 BUILDING ADDRESS
 BUILDING ADDRESS SHALL BE PROVIDED. SEE EXTERIOR ELEVATIONS FOR PLACEMENT.

SECTION 504 GENERAL BUILDING HEIGHT AND NUMBER OF STORIES:
 ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3):

USE GROUP: B 40 FEET (TABLE 504.3 NON-SPRINKLED VB CONST.)

ACTUAL HEIGHT: 21 FEET

ALLOWABLE NUMBER OF STORIES:
 USE GROUP: B 2 (TABLE 504.4, NON-SPRINKLED)

ACTUAL NUMBER OF STORIES: 1 STORY

SECTION 506.2 ALLOWABLE BUILDING AREA: 9,000 SF

ACTUAL AREA: 3,341 SF GROSS

CHAPTER 6 - TYPES OF CONSTRUCTION:

TYPE OF CONSTRUCTION: RESTROOM TYPE V-B CONSTRUCTION

TABLE 601 FIRE-RESISTANCE REQUIREMENTS:

PRIMARY STRUCTURAL FRAME V-B CONST. 0 HR
 BEARING WALLS 0 HR
 EXTERIOR INTERIOR NON BEARING WALLS 0 HR

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES:

EXTERIOR SEPARATION DIST: X < 5 1 HR
 SEPARATION DIST: 5 ≤ X < 10 1 HR
 SEPARATION DIST: 10 ≤ X < 30 0 HR
 SEPARATION DIST: X ≥ 30 0 HR

INTERIOR FLOOR CONSTRUCTION 0 HR
 ROOF CONSTRUCTION 0 HR

CHAPTER 8 - INTERIOR FINISHES:

SECTION 803 TABLE 803.13 WALL AND CEILING FINISHES ALLOWABLE
 EXIT ENCLOSURES AND EXIT PASSAGEWAYS CLASS A
 CORRIDORS: CLASS B
 ROOMS AND ENCLOSED SPACES: CLASS C

SECTION 804 - INTERIOR FLOOR FINISHES ALLOWABLE
 EXIT ENCLOSURES AND EXIT PASSAGEWAYS CLASS II
 CORRIDORS: CLASS II
 ROOMS AND ENCLOSED SPACES: CLASS II

804.4.1 TEST REQUIREMENT
 IN ALL OCCUPANCIES, INTERIOR FLOOR COVERING MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE DOC FF-1 "PILL TEST" (CPS 16 CFR PART 1630) OR WITH ASTM D2859.

804.4.2 MINIMUM CRITICAL FLUX
 MINIMUM CRITICAL RADIANT FLUX SHALL NOT BE LESS THAN CLASS II IN GROUP B.

CHAPTER 9 - FIRE PROTECTION SYSTEM:

OBC SECTION 907.2.2 - A FIRE ALARM IS NOT REQUIRED AT THIS FACILITY.

SECTION 906 - PORTABLE FIRE EXTINGUISHERS WILL BE PROVIDED IN ACCORDANCE WITH THIS SECTION AND NFPA 10.

REQUIRED SIZE AND DISTRIBUTION (OBC 906.3):

LIGHT (LOW) HAZARD OCCUPANCIES (B USE)
 (OBC TABLE 906.3(1))
 MINIMUM RATED SINGLE EXTINGUISHER 2-A
 MAXIMUM FLOOR AREA PER UNIT OF A 3,000 SF
 MAXIMUM FLOOR AREA PER EXTINGUISHER 1,670 SF

CHAPTER 10 - MEANS OF EGRESS:
 OCCUPANT LOAD (PER OBC TABLE 1004.5):

ROOM #	ROOM NAME	AREA	OCCUPANCY TYPE	OCCUPANT LOAD FACTOR	OCCUPANT S
106	JANITORIAL ROOM	236 SF	ACCESSORY STORAGE AREA	300	1
107	STORAGE	60 SF	ACCESSORY STORAGE AREA	300	1
	ACCESSORY STORAGE AREA	296 SF			2
101	MENS RESTROOM	396 SF	BUSINESS AREAS	150	3
102	WOMENS RESTROOM	373 SF	BUSINESS AREAS	150	3
104	LOBBY	543 SF	BUSINESS AREAS	150	4
105	MENS RESTROOM	812 SF	BUSINESS AREAS	150	6
108	UNISEX RESTROOM	61 SF	BUSINESS AREAS	150	1
111	VESTIBULE	151 SF	BUSINESS AREAS	150	2
112	VESTIBULE	143 SF	BUSINESS AREAS	150	1
	BUSINESS AREAS	2480 SF			20
100	PLUMBING CHASE	106 SF	MECHANICAL EQUIPMENT AREA	300	1
103	MECHANICAL ROOM	461 SF	MECHANICAL EQUIPMENT AREA	300	2
110	PLUMBING CHASE	65 SF	MECHANICAL EQUIPMENT AREA	300	1
	MECHANICAL EQUIPMENT AREA	632 SF			4
	Grand total	3408 SF			26

OBC TABLE 1006.3.4(2) STORIES WITH ONE EXIT OR ACCESS TO ONE EXIT FOR OTHER OCCUPANCIES

OCCUPANCY: B
 MAXIMUM OCCUPANT LOAD: 49
 MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 75'
 REQUIRED: B
 PROVIDED: B
 26 CALCULATED, 37 ACTUAL
 LESS THAN 75'

OBC TABLE 1017.2 - EXIT ACCESS TRAVEL DISTANCE W/ SPRINKLER = 200 FEET

CHAPTER 11 - ACCESSIBILITY:
 SECTION 1101.2 DESIGN - THE PROJECT IS DESIGNED AND SHALL BE CONSTRUCTED TO COMPLY WITH THE CODE AND ICC A117.1 (2017 VERSION).

CHAPTER 12 - INTERIOR ENVIRONMENT:

SECTION 1202.1 BUILDING SHALL HAVE MECHANICAL VENTILATION PER THE OHIO MECHANICAL CODE. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

SECTION 1204.3 BUILDING SHALL HAVE ARTIFICIAL ILLUMINATION. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION

CHAPTER 16 - STRUCTURAL DESIGN:

SEE THE STRUCTURAL DRAWINGS FOR MORE INFORMATION

CHAPTER 17 - SPECIAL TESTS AND SPECIAL INSPECTIONS:

SEE THE STRUCTURAL DRAWINGS FOR MORE INFORMATION

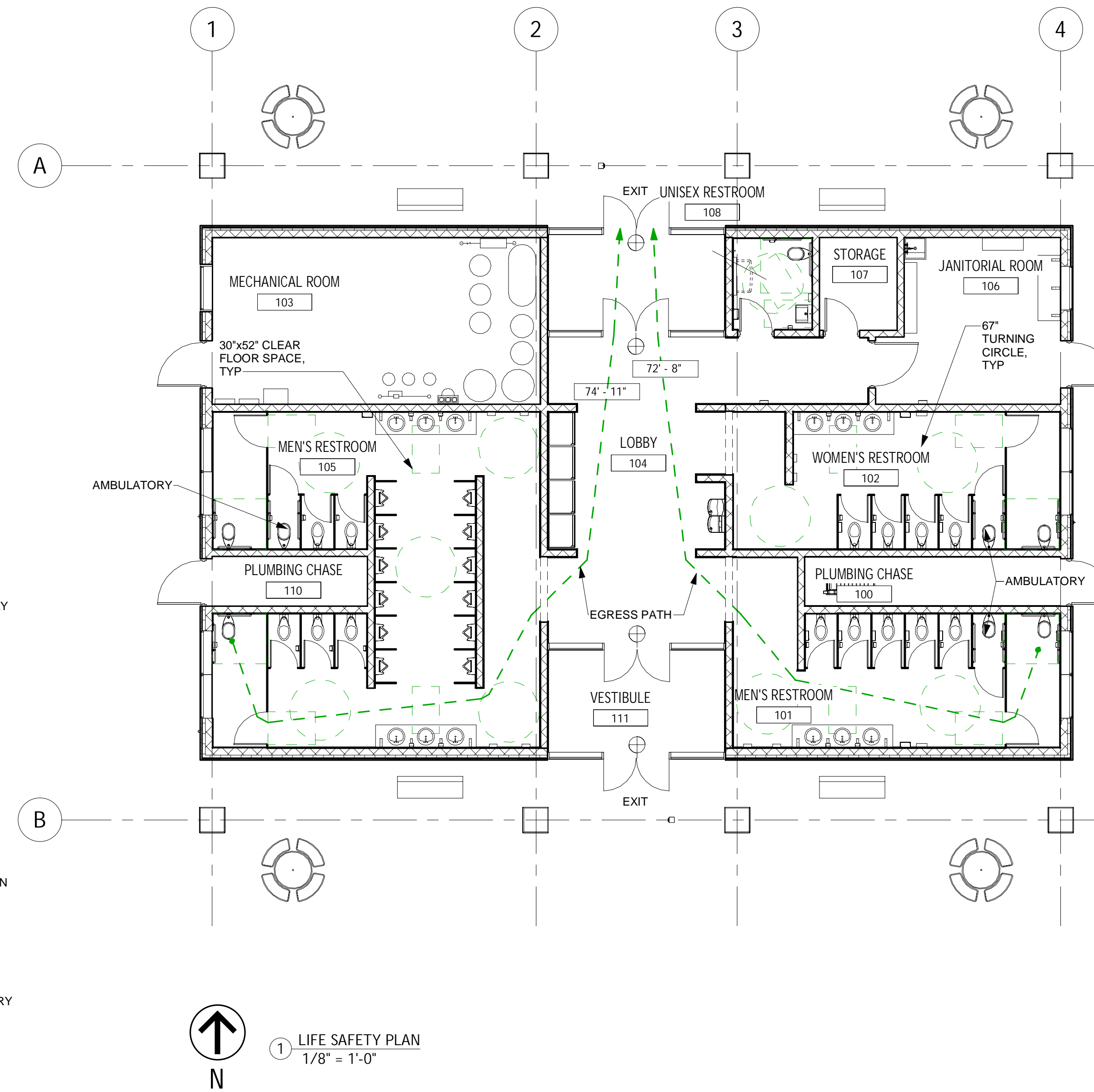
CHAPTER 29 - PLUMBING SYSTEMS:

FIXTURE	MEN WC	WOMEN WC	MEN LAV	WOMEN LAV	DRINKING FOUNTAIN
REQUIRED:	1	1	1	1	1
PROVIDED:	27*	6	9	3	2

IN ADDITION TO FIXTURES NOTED ABOVE, ONE UNISEX RESTROOM HAS BEEN PROVIDED.

* 15 WC AND 12 URINALS

FIXTURE	ACCESSIBLE		AMBULATORY	
	PROVIDED	REQUIRED	PROVIDED	REQUIRED
MEN'S WC	15	0.75	3	1.35
URINALS	12	0.6	1	SEE ABOVE
WOMEN'S WC	6	0.3	1	0.3
MEN'S LAV	3	0.15	9	-
WOMEN'S LAV	9	0.45	3	-
DRINKING FOUNTAIN	2	2	2	-

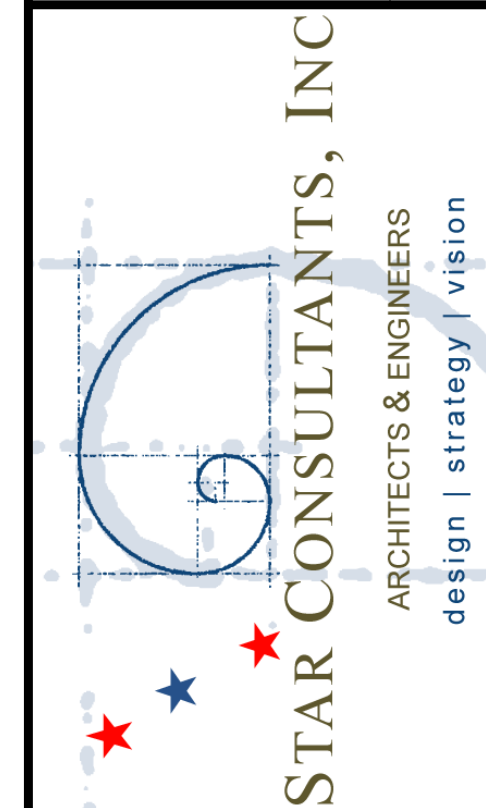
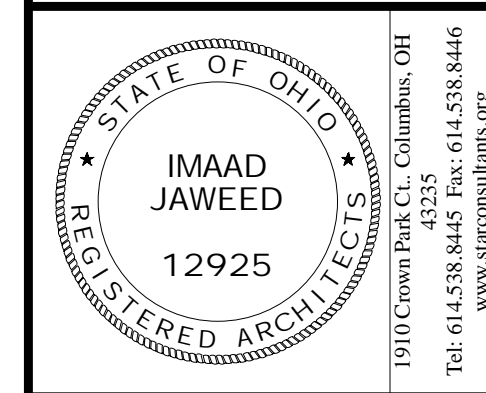


PLUMBING FIXTURE CALCULATIONS

OCCUPANCY	AREA	OCCUPANT LOAD FACTOR	TOTAL OCCUPANTS	WC		LAVATORY		DRINKING FOUNTAIN					
				MEN	WOMEN	REQUIRED	REQUIRED	REQUIRED	REQUIRED				
ACCESSORY STORAGE AREA	296 SF	300	3	2	2	100	0.02	100	0.02	100	0.02	1000	0.003
BUSINESS AREAS	2480 SF	150	20	10	10	25	0.4	25	0.4	40	0.25	40	0.2
MECHANICAL EQUIPMENT AREA	632 SF	300	4	2	2	100	0.02	100	0.02	100	0.02	1000	0.004
REQUIRED			26			0.44		0.44		0.29		0.29	0.207
PROVIDED			26			27		6		9		3	2

REVISIONS

REV.	DATE	REMARKS
1	12/09/2025	AJH RESPONSE
	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION FACD08

RESTROOMS AT PREBLE TRUCK PARKING

1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

LIFE SAFETY PLAN

PJT #: 250009
 DATE: 09/30/2025
 DRN. BY: DAZ
 DGN. BY: DAZ
 REV. BY: AA

SHEET
G.002

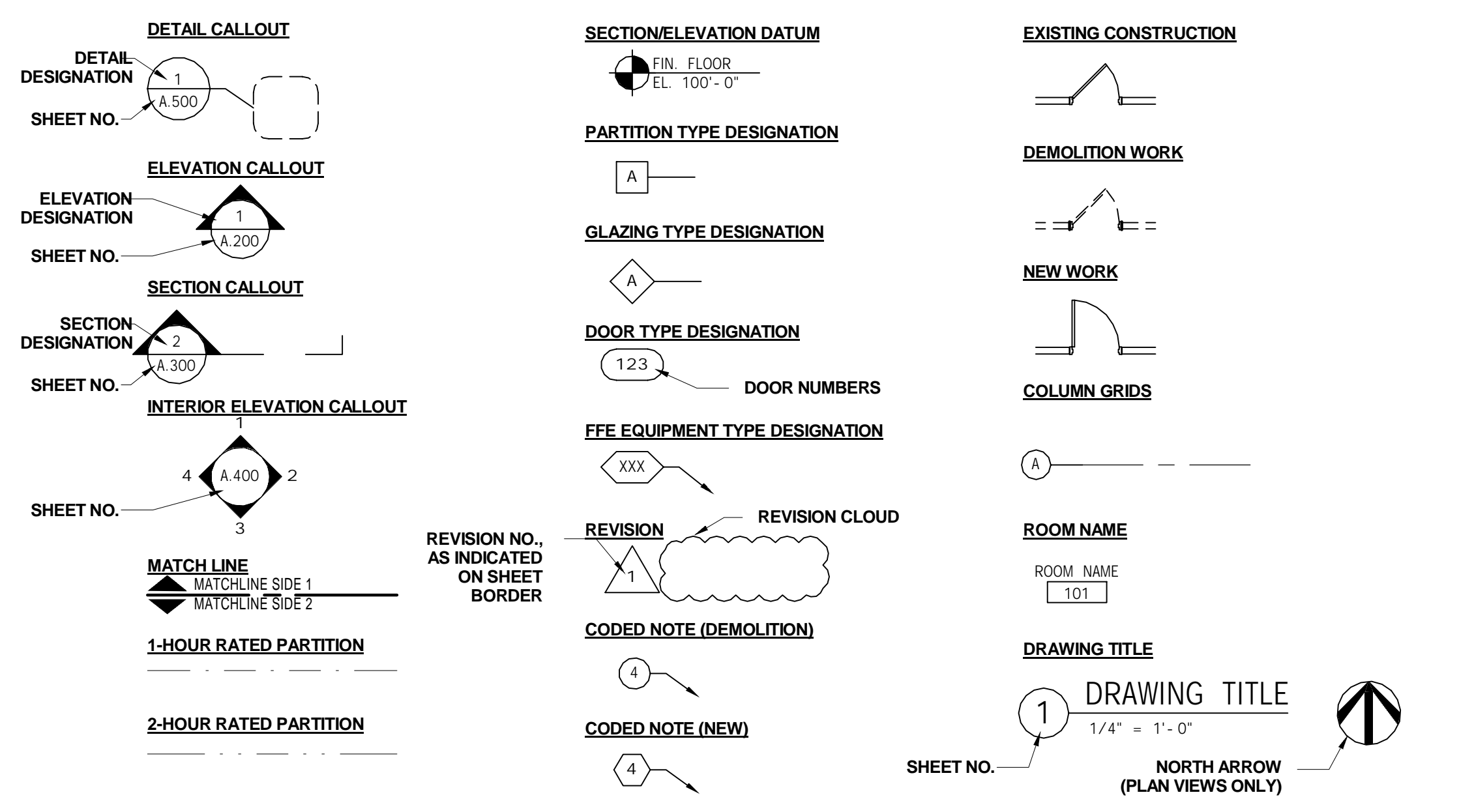
ABBREVIATIONS

<p>@ AT</p> <p>AB ANCHOR BOLT</p> <p>ABV ABOVE</p> <p>ACT ACOUSTICAL CEILING TILE</p> <p>A/C AIR CONDITIONING</p> <p>ACC ACCESS</p> <p>ADD ADDENDUM</p> <p>ADH ADHESIVE</p> <p>ADJ ADJACENT</p> <p>ADJT ADJUSTABLE</p> <p>A.F.F. ABOVE FINISHED FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>AGG AGGREGATE</p> <p>AHU AIR HANDLING UNIT</p> <p>AIA AMERICAN INSTITUTE OF ARCHITECTS</p> <p>ALT ALTERNATE</p> <p>ALUM ALUMINUM</p> <p>AMT AMOUNT</p> <p>AMP AMPERE</p> <p>ANOD ANODIZED</p> <p>APPROX APPROXIMATE</p> <p>APP APPROVED</p> <p>ARCH ARCHITECT(URAL)</p> <p>ASB ASBESTOS</p> <p>ASPH ASPHALT</p> <p>ASTM AMERICAN SOCIETY FOR TESTING & MAT'L'S</p> <p>AUTO AUTOMATIC</p> <p>AUX AUXILIARY</p> <p>AV AUDIO-VISUAL</p> <p>AWG AMERICAN WIRE GAUGE</p> <p>B/B BACK TO BACK</p> <p>BD BOARD</p> <p>BEL BELOW</p> <p>BFG BELOW FINISHED GRADE</p> <p>BITUM BITUMINOUS</p> <p>BLK BLOCK</p> <p>BLKG BLOCKING</p> <p>BLDG BUILDING</p> <p>BM BEAM</p> <p>B/M BENCH MARK</p> <p>B.O. BOTTOM OF</p> <p>BOTM BOTTOM</p> <p>BPL BEARING PLATE</p> <p>BRG BEARING</p> <p>BRKR BREAKER</p> <p>BRK BRICK</p> <p>BRDG BRIDGING</p> <p>BRZ BRONZE</p> <p>BSMT BASEMENT</p> <p>BTWN BETWEEN</p> <p>B.U.R. BUILT-UP ROOF</p> <p>CAB'T CABINET</p> <p>CAP CAPACITY</p> <p>CAT CATEGORY</p> <p>C/B CIRCUIT BREAKER</p> <p>CB CATCH BASIN</p> <p>CC OR C/C CENTER TO CENTER</p> <p>CCT CIRCUIT</p> <p>CEM CEMENT</p> <p>CER CERAMIC</p> <p>CFM CUBIC FEET PER MINUTE</p> <p>CFT CUBIC FOOT</p> <p>CG CORNER GUARD</p> <p>CHAM CHAMFER</p> <p>CHEM CHEMICAL</p> <p>CHKBD CHALKBOARD</p> <p>CHWET CHILLED WATER EXPANSION TANK</p> <p>CHWP CHILLED WATER PUMP</p> <p>CHWR CHILLED WATER RETURN</p> <p>CHWS CHILLED WATER SUPPLY</p> <p>CI CAST IRON</p> <p>CIR CIRCLE</p> <p>C.J. CONTROL JOINT</p> <p>CL CENTERLINE</p> <p>CLKG CAULKING</p> <p>CLL CONTRACT LIMIT LINE</p> <p>CLNG CEILING</p> <p>CLNG HT CEILING HEIGHT</p> <p>CLR CLEAR(ANCE)</p> <p>CM CENTIMETER(S)</p> <p>CMU CONC. MASONRY UNIT</p>	<p>C.U.A. CLEANOUT</p> <p>COL COLUMN</p> <p>COMB COMBINATION</p> <p>CONV CONVECTOR</p> <p>CONC CONCRETE</p> <p>COND CONDENSATE</p> <p>CONN CONNECTION</p> <p>CONST CONSTRUCTION</p> <p>CONT CONTINUOUS</p> <p>CONTR CONTRACT(OR)</p> <p>CONV CONVECTOR</p> <p>COORD COORDINATE</p> <p>CORR CORRIDOR</p> <p>CORRU CORRUGATED</p> <p>CPR COPPER</p> <p>CR CONDENSATED RETURN</p> <p>CSMT CASEMENT</p> <p>C/T CURRENT TRANSFORMER</p> <p>CT CERAMIC TILE</p> <p>CTR CENTER</p> <p>CTRL CONTROL</p> <p>CU CUBIC</p> <p>CW COLD WATER</p> <p>CWF CEMENTITIOUS WOOD FIBER</p> <p>CWR CONDENSER WATER RETURN</p> <p>CWS CONDENSER WATER SUPPLY</p> <p>CYD CUBIC YARD</p> <p>D DEPTH</p> <p>DB DRY BULB</p> <p>DBL DOUBLE</p> <p>D/C DATA/COMMUNICATION LINE</p> <p>DC DIRECT CURRENT</p> <p>DEMO DEMOLISH, DEMOLITION</p> <p>DEPT DEPARTMENT</p> <p>DIAG DIAGONAL</p> <p>DIA/ DIAMETER</p> <p>DIFF DIFFUSER</p> <p>BLK(S) BLOCK</p> <p>DISCH DISCHARGE</p> <p>DISP DISPENSER</p> <p>DNV DIVISION</p> <p>DK DECK</p> <p>DL DEAD LOAD</p> <p>DMPR DAMPER</p> <p>DN DOWN</p> <p>DR DOOR</p> <p>DS DOWNSPOUT</p> <p>DSK DESK</p> <p>DT DRAIN TILE</p> <p>DTL(S) DETAIL(S)</p> <p>DWR DRAWER</p> <p>DWG(S) DRAWING(S)</p> <p>E EAST</p> <p>E CABINET</p> <p>E.C. ELECTRICAL CONTRACTOR</p> <p>E.E. EACH END</p> <p>E.F. EACH FACE</p> <p>EIFS EXTERIOR INSULATION FINISH SYSTEM</p> <p>E.J. EXPANSION JOINT</p> <p>EL ELEVATION</p> <p>ELEC ELECTRIC(AL)</p> <p>ELEM ELEMENT</p> <p>EMERG EMERGENCY</p> <p>ELEV ELEVATOR</p> <p>ENCL ENCLOSE (URE)</p> <p>ENGR ENGINEER</p> <p>EP ELECTRICAL PANELBOARD</p> <p>EPX EPOXY</p> <p>EQ EQUAL</p> <p>EQPT EQUIPMENT</p> <p>ESC ESCALATOR</p> <p>EST ESTIMATE</p> <p>EWDS EMERGENCY WATER DRENCH SHOWER</p> <p>E.W. EACH WAY</p> <p>EWC ELECTRIC WATER COOLER</p> <p>EX OR EXST EXISTING</p> <p>EXCAV EXCAVATE</p> <p>EXH EXHAUST</p> <p>EXP EXPANSION</p> <p>EXPO EXPOSED</p> <p>EXTN EXTENSION</p> <p>EXTR. EXTERIOR</p>	<p>FA FIRE ALARM</p> <p>FACP FIRE ALARM CONTROL PANEL</p> <p>FAST FASTEN, FASTENER</p> <p>FAN FAN COIL UNIT</p> <p>FD FIRE DAMPER OR FLOOR DRAIN</p> <p>FDN FOUNDATION</p> <p>FE FIRE EXTINGUISHER</p> <p>FEC FIRE EXTINGUISHER CABINET</p> <p>FFE FINISHED FLOOR ELEVATION</p> <p>FFL FINISHED FLOOR LINE</p> <p>FH FIRE HYDRANT</p> <p>FHC FIRE HOSE CABINET</p> <p>FIN. FINISH</p> <p>FIN. FL FINISH FLOOR</p> <p>FIXT FIXTURE</p> <p>F-J. FLUSH JOINT</p> <p>FLEX FLEXIBLE</p> <p>FLR FLOOR(ING)</p> <p>FL CO FLOOR CLEANOUT</p> <p>FLUOR FLUORESCENT</p> <p>FN FENCE</p> <p>FNDN FOUNDATION</p> <p>FT FIREPROOF</p> <p>FPC FIRE PROTECTION CONTRACTOR</p> <p>FFM FEET PER MINUTE</p> <p>FRC FIRE-RESISTANT COATING</p> <p>FRT FIRE-RETARDANT</p> <p>FSR FLEXIBLE SHEET ROOFING</p> <p>FSK FLOOR SERVICE SINK</p> <p>FEET FEET</p> <p>G GAS</p> <p>GA GAGE, GAUGE</p> <p>GAL GALLONS</p> <p>GALV GALVANIZED</p> <p>GB GRAB BAR</p> <p>G.C. GENERAL CONTRACTOR</p> <p>GEN GENERAL</p> <p>GENR GENERATOR</p> <p>GF GROUND FACE</p> <p>GFI GROUND FAULT INTERRUPTOR</p> <p>GKT GASKET(ED)</p> <p>GLASS, GLAZING GLASS, GLAZING</p> <p>GPH GALLONS PER HOUR</p> <p>GPM GALLONS PER MINUTE</p> <p>GRAV GRAVITY</p> <p>GRND GROUND</p> <p>GRF GROUND FAULT</p> <p>GUT GUTTER</p> <p>GV GAS VALVE</p> <p>GWB GYPSUM WALL BOARD</p> <p>GYP GYPSUM DRY WALL</p> <p>HB HOSE BIBB</p> <p>HC HOLLOW CORE</p> <p>HD HEAD</p> <p>HDR HEADER</p> <p>HDWD HARDWOOD</p> <p>HDWE HARDWARE</p> <p>HJ HEAD JOINT</p> <p>HK HOOK(S)</p> <p>HM HOLLOW METAL</p> <p>HORIZ HORIZONTAL</p> <p>HP HORSEPOWER</p> <p>HT HEIGHT</p> <p>HTG HEATING</p> <p>HTR HEATER</p> <p>HVAC HEATING/VENTILATING/AIR CONDITIONING</p> <p>HW HOT WATER</p> <p>HWH HOT WATER HEATER</p> <p>HWP HEATING WATER PUMP</p> <p>HWR HEATING WATER RETURN</p> <p>HWS HEATING WATER SUPPLY</p> <p>HWY HIGHWAY</p> <p>HZ HERTZ</p> <p>IB INLET BASIN</p> <p>IC INTERCOM</p> <p>ID INSIDE DIAMETER</p> <p>IH INTAKE HOOD</p>	<p>IN INCH</p> <p>INCL INCINERATOR</p> <p>INDU INCLUDE(D) (ING)</p> <p>INDU INDUCTION UNIT</p> <p>INFO INFORMATION</p> <p>INSUL INSULATE(D) (ION)</p> <p>INSC INSULATING CONCRETE</p> <p>INT INTERIOR</p> <p>INTM INTERMEDIATE</p> <p>INTS INTERSECTION</p> <p>INV INVERT</p> <p>JAN JANITOR</p> <p>JST JOIST</p> <p>JT JOINT</p> <p>JUNC JUNCTION</p> <p>JBOX JUNCTION BOX</p> <p>KIT KITCHEN</p> <p>KO KNOCKOUT</p> <p>KPL KICKPLATE</p> <p>KV KILOVOLT</p> <p>KVA KILOVOLT AMPERE</p> <p>KW KILOWATT</p> <p>KWH KILOWATT-HOUR</p> <p>L LENGTH</p> <p>LAB LABORATORY</p> <p>LAD LADDER</p> <p>LAG LAG BOLT</p> <p>LAM LAMINATE(D)</p> <p>LAV LAVATORY</p> <p>LB/# POUND</p> <p>LBL LABEL</p> <p>LH LEFT HAND</p> <p>LKR LOCKER</p> <p>LL LIVE LOAD</p> <p>LLH LONG LEG HORIZONTAL</p> <p>LLV LONG LEG VERTICAL</p> <p>LNDG LANDING</p> <p>LP LAMP POST</p> <p>LT LIGHT</p> <p>LTG LIGHTING</p> <p>LV LOW VOLTAGE</p> <p>LVR LOUVER</p> <p>LVPL LEVELING PLATE</p> <p>M METER(S)</p> <p>MAN MANUAL</p> <p>MAS MASONRY</p> <p>MAT'L MATERIAL</p> <p>MAX MAXIMUM</p> <p>MCC MOTOR CONTROL CENTER</p> <p>MD MOTORIZED DAMPER</p> <p>MDP MAIN DISTRIBUTION PANEL</p> <p>MECH MECHANICAL</p> <p>MEZZ MEZZANINE</p> <p>MFR MANUFACTURE(R)</p> <p>MIN MINIMUM</p> <p>MISC MISCELLANEOUS</p> <p>MM MILLIMETER</p> <p>M.O. MASONRY OPENING</p> <p>MTD MOUNTED</p> <p>MTG MOUNTING</p> <p>MTL METAL</p> <p>MUA MAKE-UP AIR</p> <p>N NORTH</p> <p>NEC NATIONAL ELECTRIC CODE</p> <p>NL NIGHT LIGHT</p> <p>NO/# NUMBER</p> <p>NOM NOMINAL</p> <p>NTS NOT TO SCALE</p> <p>O OXYGEN</p> <p>OA OVERALL</p> <p>O.C. ON CENTER</p> <p>O.D. OUTSIDE DIAMETER</p> <p>O.H. OPPOSITE HAND</p> <p>OL OVERALL LENGTH</p> <p>O/O OUT TO OUT</p> <p>OPNG OPENING</p> <p>OPP OPPOSITE</p> <p>OVHD OVERHEAD</p> <p>OZ OUNCE</p>	<p>PA PUBLIC ADDRESS</p> <p>PAR PARALLEL</p> <p>PARK PARKING</p> <p>PBD PARTICLE BOARD</p> <p>PC PLUMBING CONTRACTOR</p> <p>PCF POUNDS PER CUBIC FOOT</p> <p>PE PRIMARY ELECTRIC</p> <p>PED PEDESTAL</p> <p>PERF PERFORATED</p> <p>PERIM PERIMETER</p> <p>PFL PER LINEAL FOOT</p> <p>PH PHASE</p> <p>PL PLATE</p> <p>PLAS PLASTER</p> <p>PLAM PLASTIC LAMINATE</p> <p>PLBG PLUMBING</p> <p>PLYWD PLYWOOD</p> <p>PNL PANEL</p> <p>PAIR PREFABRICATED</p> <p>PRESS PRESSURE</p> <p>PRI PRIMARY</p> <p>PRV PRESSURE REDUCING VALVE</p> <p>PSI POUNDS PER SQ INCH</p> <p>PSF POUNDS PER SQ FT</p> <p>PT OR PTD PAINT(ED)</p> <p>PTN PARTITION</p> <p>PVC POLYVINYL CHLORIDE</p> <p>PVMT PAVEMENT</p> <p>PWR POWER</p> <p>R RISER</p> <p>RA RETURN AIR</p> <p>RAD RADIUS</p> <p>RADR RADIATOR</p> <p>RB RUBBER BASE</p> <p>RC REMOTE CONTROL</p> <p>R.D. ROOF DRAIN</p> <p>REFR REFRIGERATOR</p> <p>REF REFERENCE</p> <p>REFR REFRIGERATOR</p> <p>REG REGISTER</p> <p>REINF REINFORCE(D) (ING)</p> <p>REQ'D REQUIRED</p> <p>RES RESILIENT</p> <p>RET RETURN</p> <p>REV REVISION(S), REVISED</p> <p>RF ROOF</p> <p>RFG ROOFING</p> <p>RH RIGHT HAND</p> <p>RLA RELIEF AIR</p> <p>RM ROOM</p> <p>RO REVERSE OSMOSIS</p> <p>R.O. ROUGH OPENING</p> <p>ROW RIGHT OF WAY</p> <p>RPV REVOLUTIONS PER MINUTE</p> <p>RTU ROOFTOP UNIT</p> <p>RVS REVERSE (SIDE)</p> <p>RVT RIVET</p> <p>S SOUTH</p> <p>SA SUPPLY AIR</p> <p>SAN SANITARY</p> <p>SANDPR SANITARY NAPKIN DISPENSER</p> <p>SANS SANITARY SEWER</p> <p>SCHED SCHEDULE</p> <p>SD SMOKE DETECTOR</p> <p>SECT SECTION</p> <p>SF SQUARE FEET</p> <p>SHT SHEET</p> <p>SHWR SHOWER</p> <p>SIM SQUARE INCHES</p> <p>SIM SIMILAR</p> <p>SL SLEEVE</p> <p>SP STATIC PRESSURE</p> <p>SPEC(S) SPECIFICATION(S)</p> <p>SPKR SPEAKER</p> <p>SPKLR SPRINKLER</p> <p>SPL SPECIAL</p> <p>SQ SQUARE</p> <p>SQ FT SQUARE FEET</p> <p>SS STORM SEWER</p>	<p>SSK SERVICE SINK</p> <p>SST STAINLESS STEEL</p> <p>STA STATION</p> <p>STL STEEL</p> <p>STST STAINLESS STEEL</p> <p>STD STANDARD</p> <p>STOR STORAGE</p> <p>STRM STRUM</p> <p>STRU STRUCTURAL</p> <p>SUSP SUSPENDED</p> <p>SW SWITCH (OR SOUTHWEST)</p> <p>SWR SEWER</p> <p>SY SQUARE YARDS</p> <p>SYMM SYMMETRY</p> <p>SYS SYSTEM</p> <p>T & B TOP & BOTTOM</p> <p>TBL TABLE</p> <p>TCC TEMP. CONTROL CONTRACTOR</p> <p>TEL TELEPHONE</p> <p>TEMP TEMPERATURE</p> <p>TERM TERMINAL</p> <p>TERR TERRAZZO</p> <p>T&G TONGUE AND GROOVE</p> <p>THERM THERMOMETER</p> <p>THK (NESS) THICK (NESS)</p> <p>THR THRESHOLD</p> <p>T.O. OR T/ TOP OF</p> <p>TOL TOLERANCE</p> <p>TPTN TOILET PARTITION</p> <p>TPD TOILET PAPER DISPENSER</p> <p>TRANS TRANSFER</p> <p>TR TREAD</p> <p>TS THERMOSTAT</p> <p>TV TELEVISION</p> <p>TW TEMPERED WATER</p> <p>TYP TYPICAL</p> <p>UC UNDERCUT</p> <p>UH UNIT HEATER</p> <p>U.N.O. UNLESS NOTED OTHERWISE</p> <p>UV UNIT VENTILATOR</p> <p>UNFR UNFINISHED</p> <p>UR URINAL</p> <p>V VENT</p> <p>VAC VACUUM</p> <p>VAR VARNISH</p> <p>VAV VARIABLE AIR VOLUME</p> <p>VB VAPOR BARRIER</p> <p>VCT VINYL COMPOSITION TILE</p> <p>VERT VERTICAL</p> <p>VEST VESTIBULE</p> <p>VF VINYL FABRIC</p> <p>VFD VARIABLE FREQUENCY DRIVE</p> <p>VIF VERIFY IN FIELD</p> <p>VIN VINYL</p> <p>VOL VOLUME</p> <p>VS VENT STACK</p> <p>VT VINYL TILE</p> <p>VTR VENT THROUGH ROOF</p> <p>W WEST OR WIDTH</p> <p>W/ WITH</p> <p>W/O WITHOUT</p> <p>WWW WALL TO WALL</p> <p>WB WET BULB</p> <p>WC WATER CLOSET</p> <p>WD WOOD</p> <p>WH WATER HEATER</p> <p>WIN WINDOW</p> <p>WM WIRE MESH</p> <p>WP WATERPROOFING</p> <p>WPT WORKING POINT</p> <p>WR WATER REPELLENT</p> <p>WS WATERSTOP</p> <p>WT WEIGHT</p> <p>WWF WELDED WIRE FABRIC</p> <p>WWW WELDED WIRE MESH</p>
---	--	---	---	--	---

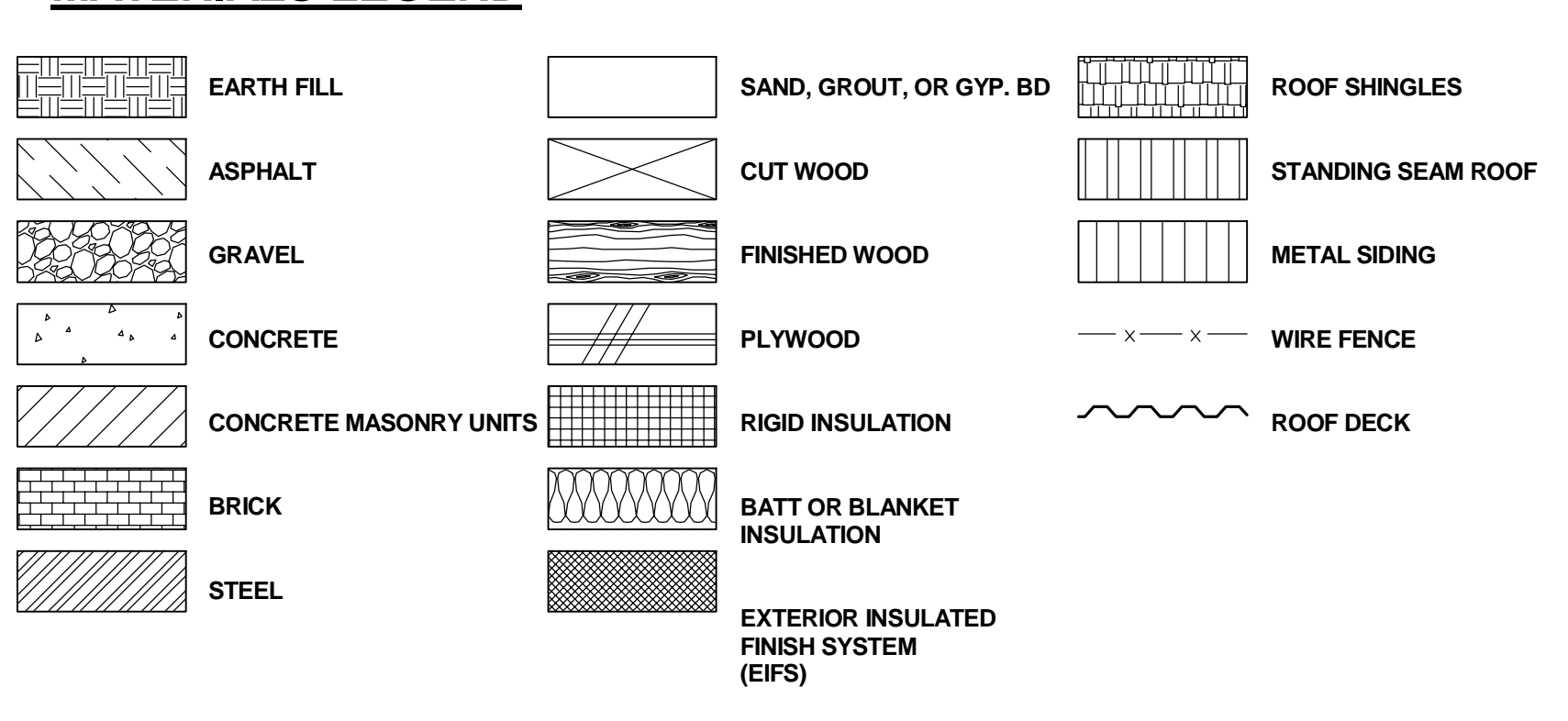
GENERAL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY TO THE CURRENT EDITION OF THE OHIO BUILDING CODE, ASHRAE, ADA AND ANY OR ALL LOCAL ORDINANCES, OR ZONING CODES CURRENTLY IN FORCE.
2. ALL ELECTRICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF ALL LOCAL ORDINANCES, THE OHIO BASIC BUILDING CODE, AND THE NATIONAL ELECTRIC CODE.
3. ALL PLUMBING SYSTEMS AND INSTALLATIONS SHALL BE IN CONFORMITY WITH ANY LOCAL ORDINANCES AND THE OHIO PLUMBING CODE.
4. THE GENERAL CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS WITH THE DRAWINGS. GENERAL CONTRACTOR IS TO REPORT IMMEDIATELY TO THE ARCHITECT ANY VARIANCES IN THE PLANS, DETAILS, DIMENSIONS, SPECIFICATIONS, OR FIELD CONDITIONS THAT MAY CAUSE CONSTRUCTION PROBLEMS PRIOR TO COMMENCEMENT OF WORK. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING COMPLIANCE OF SHOP DRAWINGS WITH PLANS, PRIOR TO ORDERING MATERIALS, OR BEGINNING WORK. CONTRACTOR SHALL NOTIFY ARCHITECT, PRIOR TO COMMENCEMENT OF WORK, OF ANY DISCREPANCIES AND/OR INCONSISTENCIES, FOR CLARIFICATION OF DESIGN INTENT.
5. IT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR, TO FOLLOW ALL THE APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
6. CHANGES SHALL NOT BE MADE ON SITE DEVIATING FROM THE CONSTRUCTION DOCUMENTS WITHOUT THE ARCHITECTS PRIOR APPROVAL. FOLLOW THE BEST TRADE AND ENGINEERING PRACTICES FOR THE ITEMS REQUIRED, BUT NOT SPECIFICALLY DETAILED AND INDICATED.
7. SIZE AND LOCATION OF ALL ROOF OPENINGS TO BE VERIFIED WITH TRADE AFFECTED BEFORE PROCEEDING WITH THE WORK.
8. ALL DIMENSIONS SHALL BE VERIFIED AT THE JOB BY THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR. THE ARCHITECT MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
9. IF ANY CONFLICT OR DISCREPANCY EXISTS BETWEEN THESE NOTES, THE GENERAL NOTES, ARCHITECTURAL DRAWINGS OR SPECIFICATIONS, THEN THE STRICTEST PROVISION SHALL GOVERN. IF ANY SUCH CONFLICTS EXIST, THE CONTRACTOR SHALL NOTIFY ARCHITECT FOR CLARIFICATION, PRIOR TO PROCEEDING WITH THE WORK.
10. DO NOT SCALE DRAWINGS; WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT NOTIFY ARCHITECT.
11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCES OF CONSTRUCTION. ALL CORRESPONDENCE FROM SUB-CONTRACTORS SHALL BE ROUTED THROUGH THE GENERAL CONTRACTOR.
12. THE CONTRACTOR 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.
13. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SCHEDULING AND ALL ON SITE TESTING AND INSPECTIONS.
14. ALL CONTRACTORS SHALL LEAVE THE SITE CLEAN AND FREE OF DEBRIS AND UNUSED MATERIALS.

SYMBOLS



MATERIALS LEGEND



REVISIONS

REV.	DATE	REMARKS

REV. 02/04/2026 BID SET

STATE OF OHIO REGISTERED ARCHITECTS
 MAAD JAWED
 12925

1910 Crown Hill Rd., Columbus, OH 43235
 Tel: 614.538.8445 Fax: 614.538.8446
 www.starconsultants.com

STAR CONSULTANTS, INC.
 ARCHITECTS & ENGINEERS
 design | strategy | vision

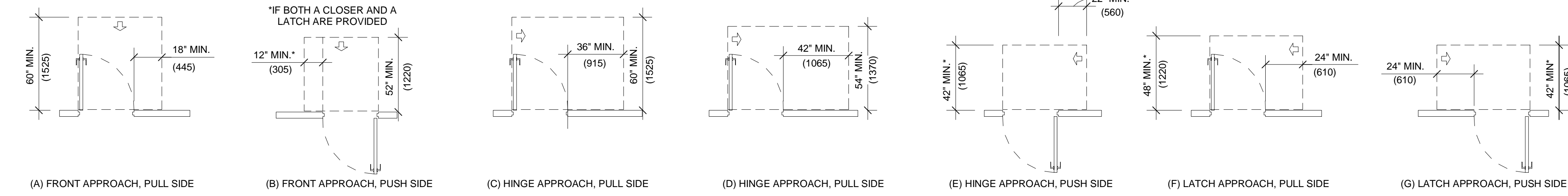
OHIO DEPARTMENT OF TRANSPORTATION FACD08
RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

LEGENDS, SYMBOLS AND ABBREVIATIONS

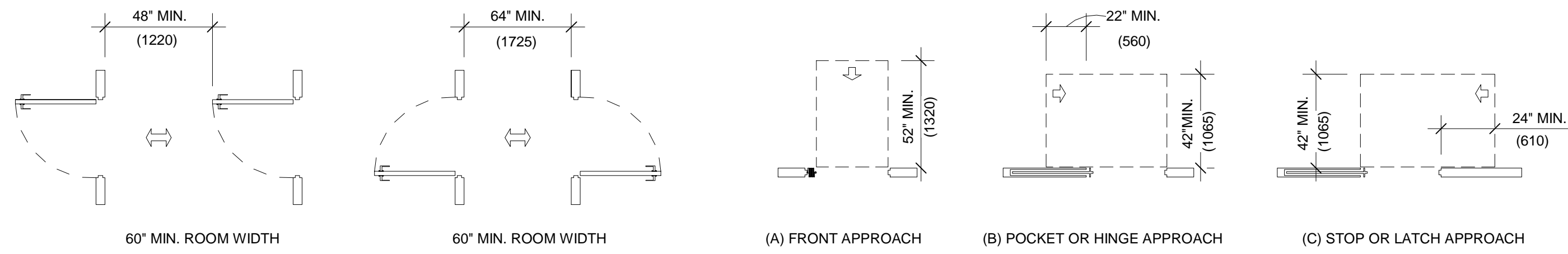
PJT #: 250009
 DATE: 09/30/2025
 DRN. BY: DAZ
 DGN. BY: DAZ
 REV. BY: AA

SHEET
G.003

DOORS AND DOORWAYS



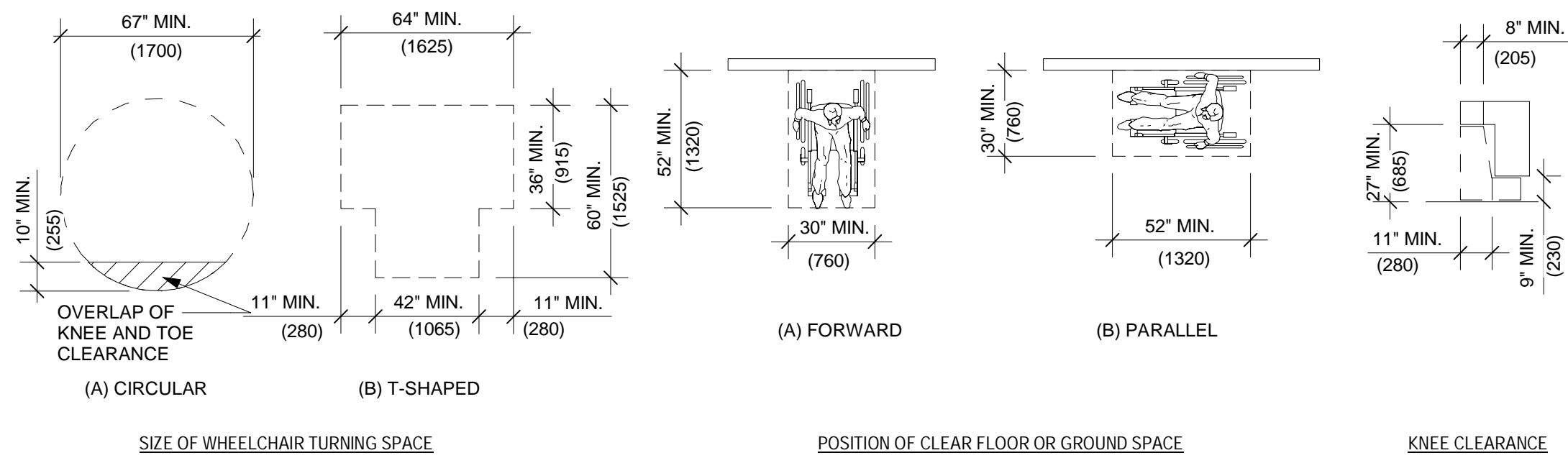
MANEUVERING CLEARANCE AT SWINGING DOORS



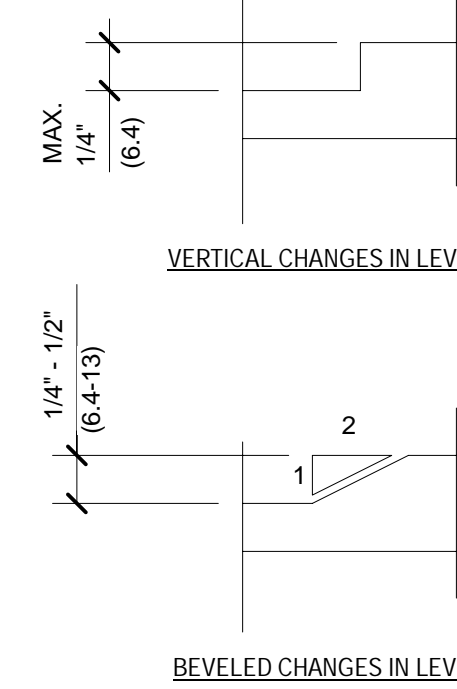
TWO DOORS IN A SERIES

MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

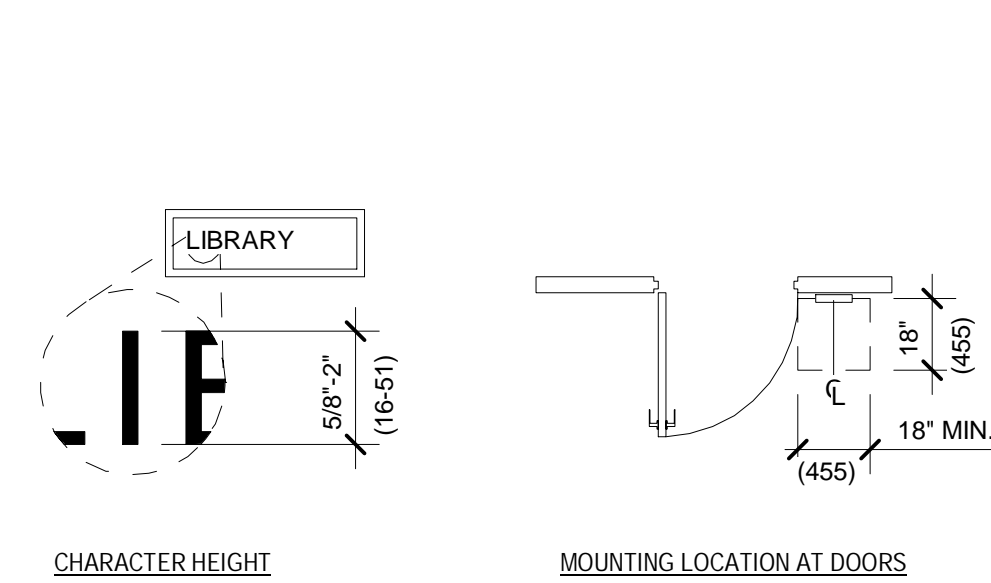
CLEAR SPACE



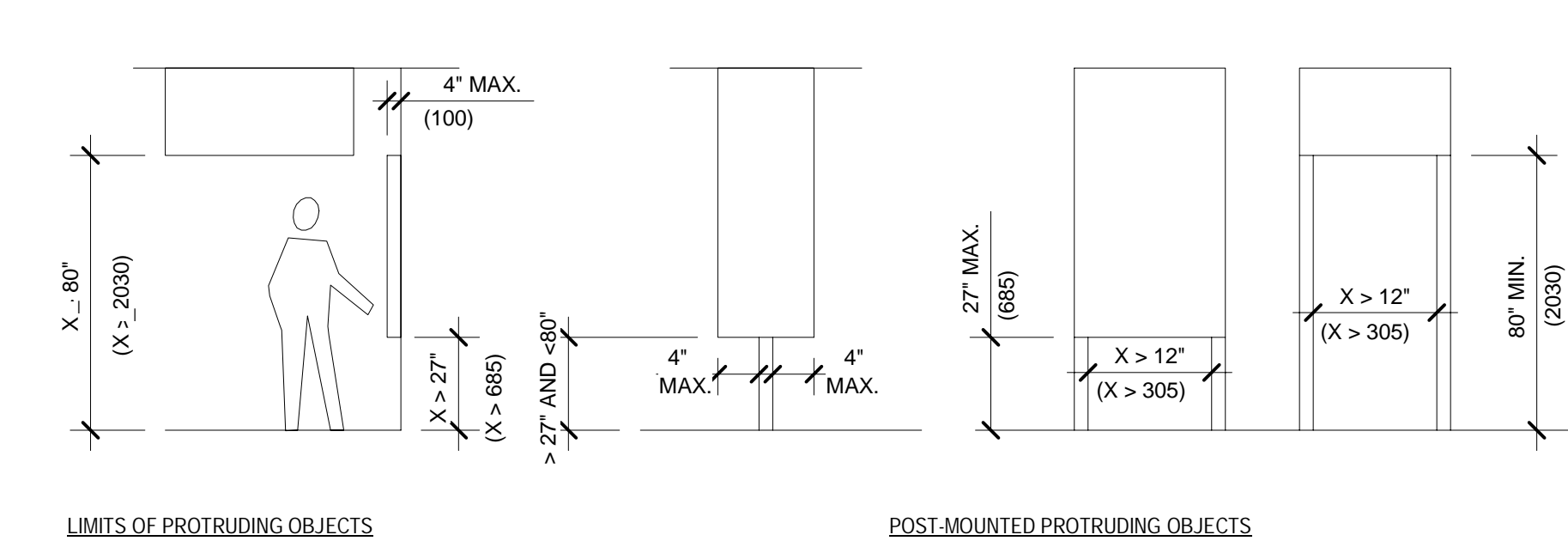
BUILDING BLOCKS



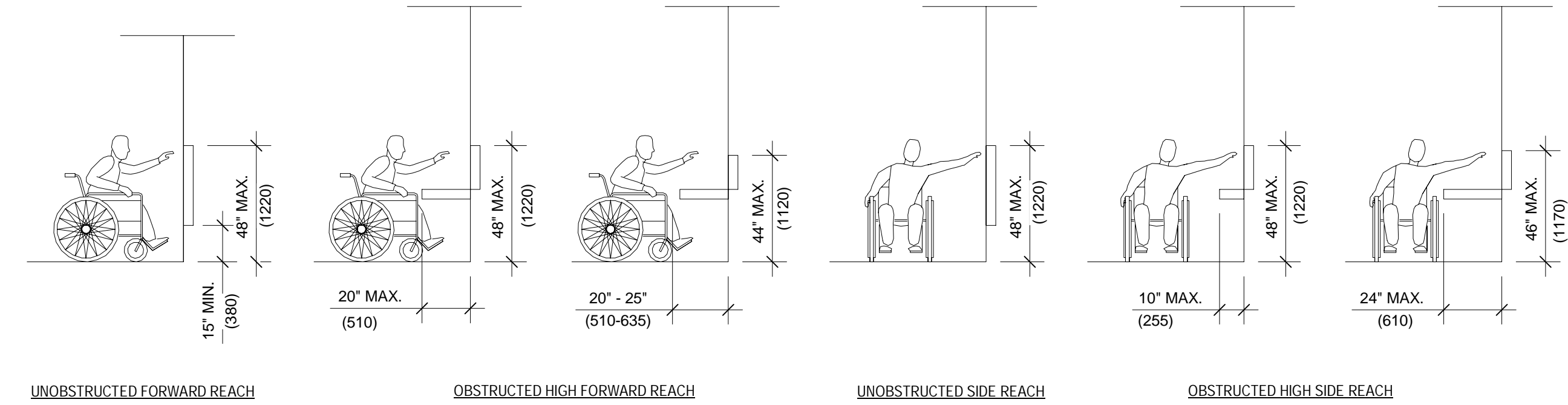
COMMUNICATION ELEMENTS AND FEATURES



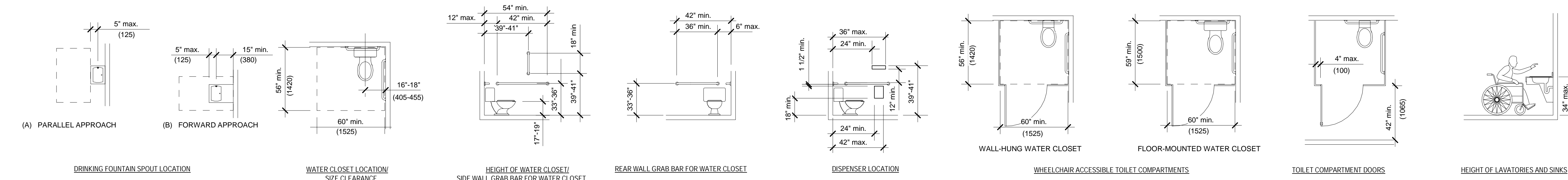
PROTRUDING OBJECTS



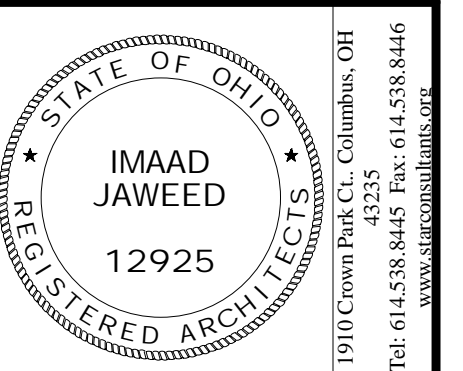
REACH RANGES



PLUMBING ELEMENTS AND FACILITIES



REV.	DATE	REMARKS
02	04/2026	BID SET

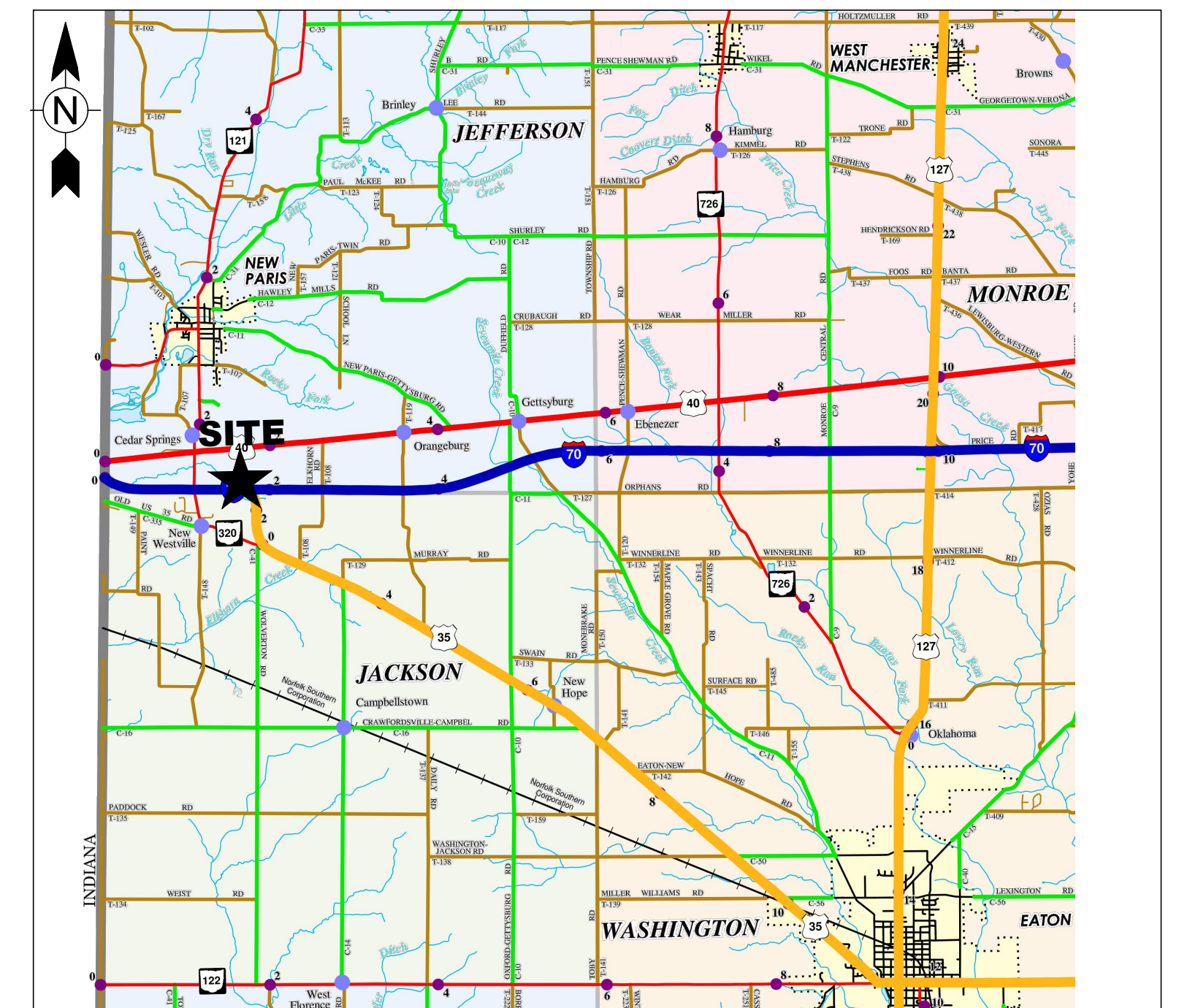
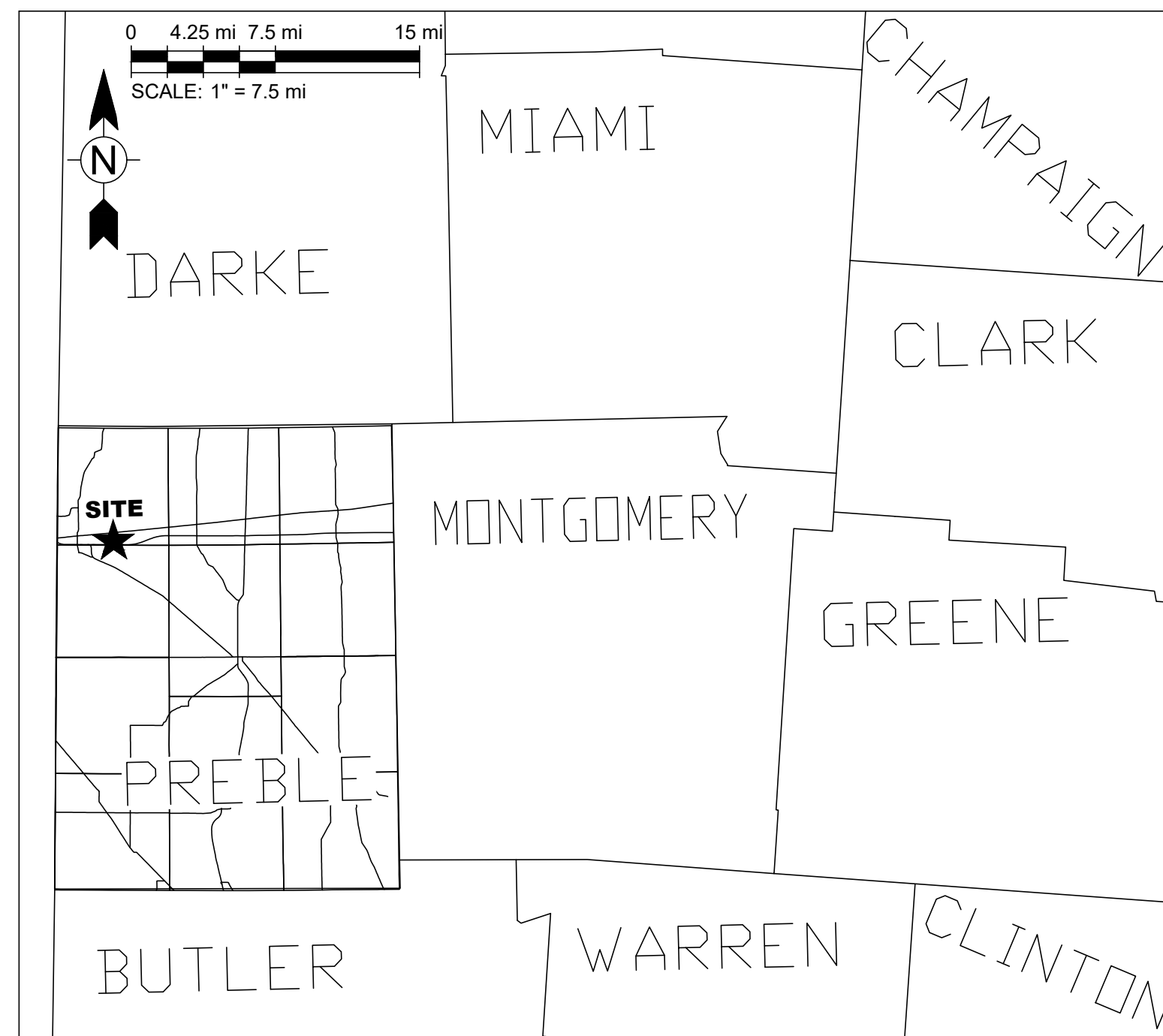
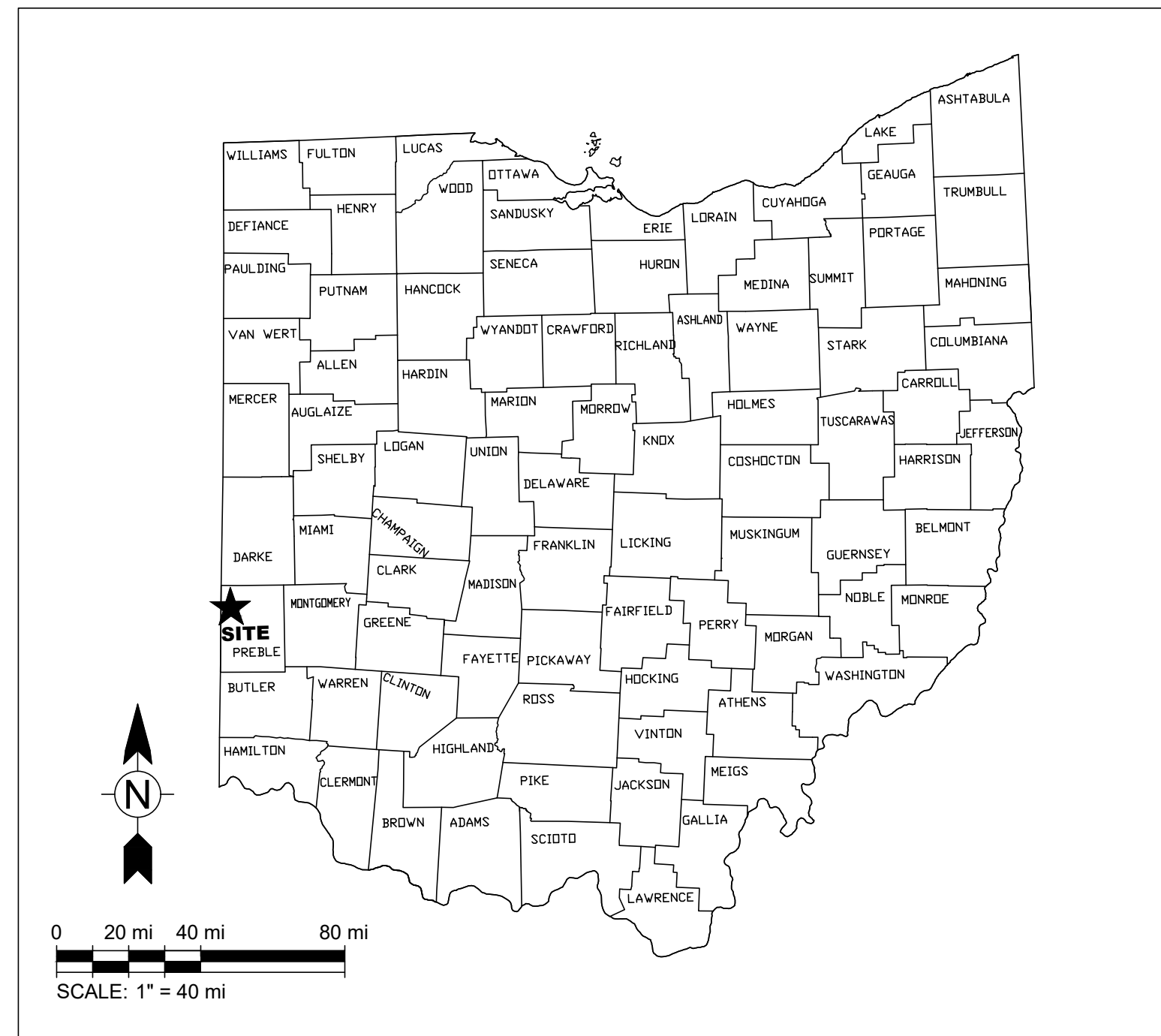


OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

PJT #:	250009
DATE:	09/30/2025
DRN. BY:	DAZ
DGN. BY:	DAZ
REV. BY:	AA

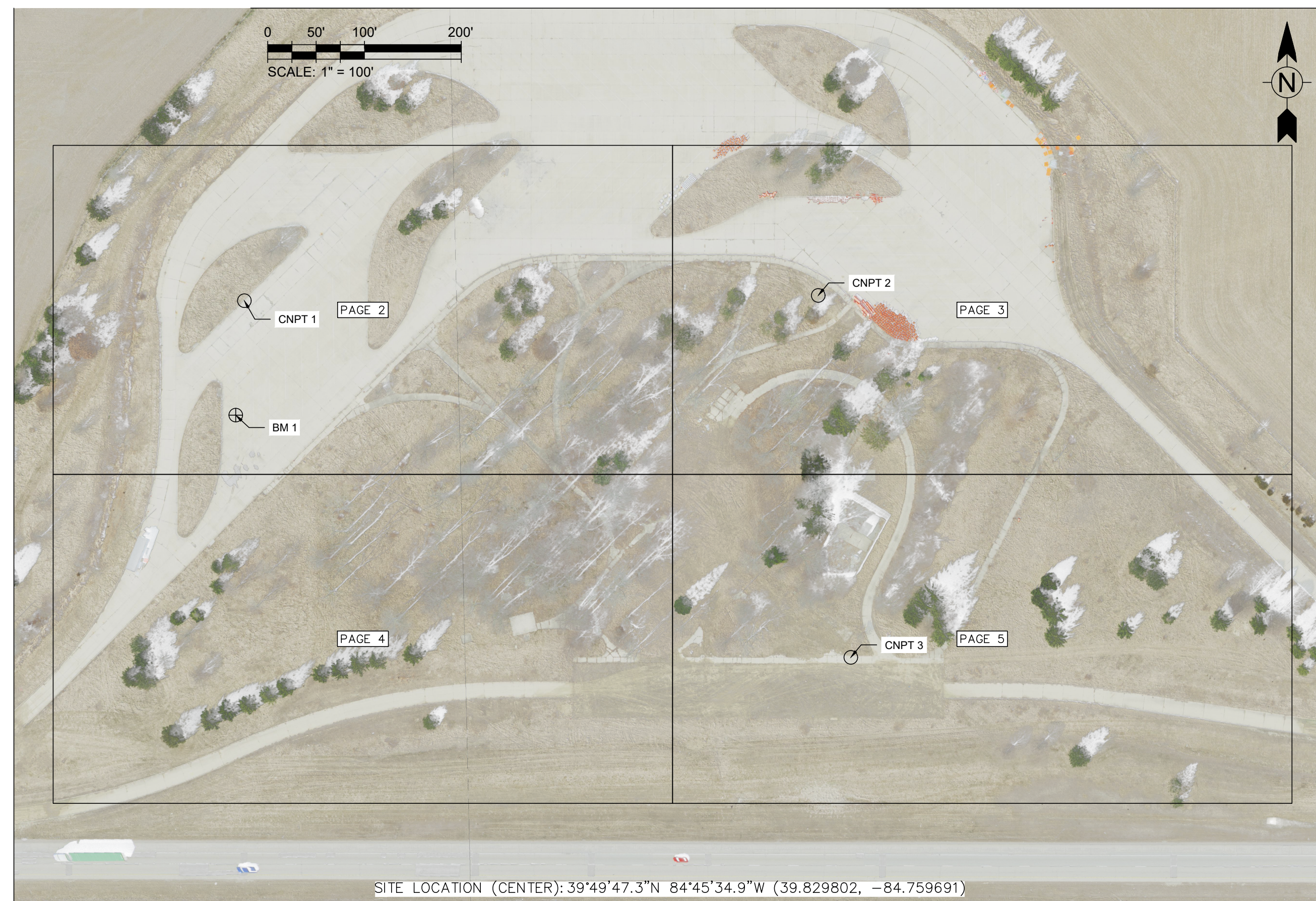
SHEET
G.004

PREBLE TRUCK PARKING TOPOGRAPHIC SURVEY ODOT PREBLE-I70 WESTBOUND RESTROOMS JEFFERSON TOWNSHIP, PREBLE COUNTY, OHIO



- | | |
|--|--|
| <p>LEGEND</p> <ul style="list-style-type: none"> ○ CONTROL POINT ⊕ BENCHMARK ⊙ SOIL BORING ⊞ ELECTRIC PULLBOX ⊞ ELECTRIC MANHOLE ☁ TREE AS NOTED ⊙ LIGHT POLE --- SAN --- SANITARY SEWER LINE --- STORM SEWER LINE --- 800 --- CONTOUR LINES ○ GATE — X — X — FENCE LINE AS NOTED | <p>ABBREVIATIONS KEY</p> <ul style="list-style-type: none"> ○ STORM MANHOLE ○ SANITARY MANHOLE ▭ CATCH BASIN MT - MULTI-TRUNK |
|--|--|

CONTROL/SHEET LEGEND



Control Point Table				
Point #	Northing	Easting	Elevation	Description
CNPT 1	575645.235	132803.887	1223.73	5/8" REBAR W/RED TRAVERSE CAP
CNPT 2	575664.807	133396.624	1225.44	5/8" REBAR W/RED TRAVERSE CAP
CNPT 3	575291.572	133439.172	1214.04	5/8" REBAR W/RED TRAVERSE CAP
BM 1	575526.8	132797.7	1223.85	MAG NAIL IN CONC. CURB

ALL NORTHINGS, EASTINGS AND ELEVATIONS SHOWN HEREON ARE BASED ON SMART SERVICES SURVEY DATA OBTAINED IN SEPTEMBER 2025.

DATE OF SURVEY: 9/8-9/12/2025
 COORDINATE SYSTEM: OHIO COUNTY COORDINATE SYSTEM, PREBLE COUNTY LDP
 HORIZONTAL REFERENCE DATUM: NAD83 (2011)
 ELLIPSOID: GRS80
 VERTICAL REFERENCE DATUM: NAVD88
 GEOD MODEL: GEOID18
 UNITS: US SURVEY FEET (SFT)
 ORIGINAL SURVEY SUBDIVISION: CONGRESS LANDS WEST OF THE MIAMI RIVER
 LOCATION: JEFFERSON TOWNSHIP, PREBLE COUNTY

UTILITY NOTE
 THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON ABOVE GROUND EVIDENCE AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE BY SMART SERVICES, INC. DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.
 SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED BY SMART SERVICES, INC. AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OF THE SURVEYED AREA.

OHIO UTILITIES PROTECTION SERVICE (OUPS) TICKET NUMBERS:
 811 TICKET MARKING: B524600902-00B
 811 TICKET PLANS: B524600892-00B
 Members:
 BSDP = BRIGHTSPACE
 DPLP = AES OHIO (FORMERLY DAYTON POWER)
 NO CONTACT INFORMATION WAS PROVIDED BY OUPS.

CERTIFICATION
 NO FIELD SURVEYING WAS CONDUCTED TO DETERMINE PROPERTY LINES. THIS IS NOT A BOUNDARY SURVEY PER OAC 4733-37.

John C. Dodgion
 JOHN C. DODGION REG. SURVEYOR NO. 8069



DRAWN BY: A. STEVENS	DATE: 10/21/2025
CHECKED BY: J. DODGION	895701
JOB NO.: 895701	DRAWING NO.:
	SHEET 1 of 5

PREPARED BY:
SMART
 SURVEYING ENGINEERING & ENVIRONMENTAL SERVICES
 88 W. CHURCH STREET, NEWARK, OHIO 43055
 PHONE: (740) 345-4700 FAX: (740) 522-4706

PREBLE TRUCK PARKING TOPOGRAPHIC SURVEY ODOT PREBLE-I70 WESTBOUND RESTROOMS JEFFERSON TOWNSHIP, PREBLE COUNTY, OHIO

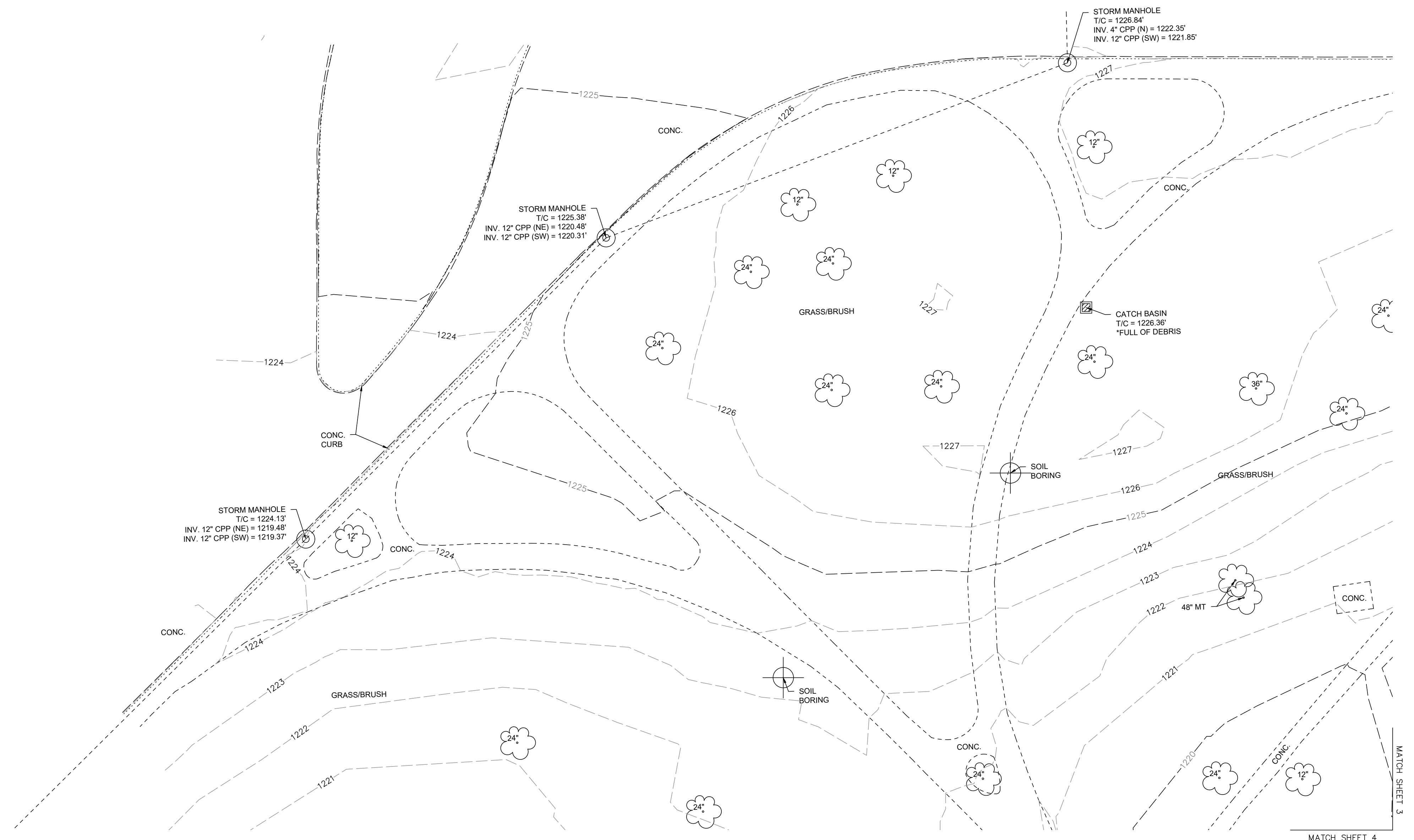
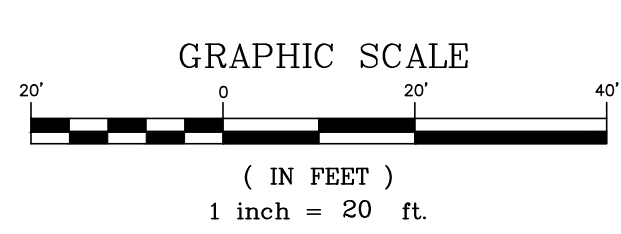
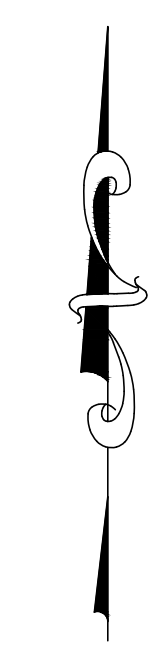
- LEGEND**
- CONTROL POINT
 - BENCHMARK
 - SOIL BORING
 - ELECTRIC PULLBOX
 - ELECTRIC MANHOLE
 - TREE AS NOTED
 - LIGHT POLE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - 800 CONTOUR LINES
 - GATE
 - FENCE LINE AS NOTED
 - STORM MANHOLE
 - SANITARY MANHOLE
 - CATCH BASIN

ABBREVIATIONS KEY
MT - MULTI-TRUNK

NOTE: INVERTS COULD NOT BE OBTAINED ON CERTAIN STRUCTURES DUE TO UTILITY STRUCTURES BEING FULL OF WATER AND/OR DEBRIS.

Control Point Table				
Point #	Northing	Easting	Elevation	Description
CNPT 1	575645.235	132803.887	1223.73	5/8" REBAR W/RED TRAVERSE CAP
CNPT 2	575664.807	133396.624	1225.44	5/8" REBAR W/RED TRAVERSE CAP
CNPT 3	575291.572	133439.172	1214.04	5/8" REBAR W/RED TRAVERSE CAP
BM 1	575526.8	132797.7	1223.85	MAG NAIL IN CONC. CURB

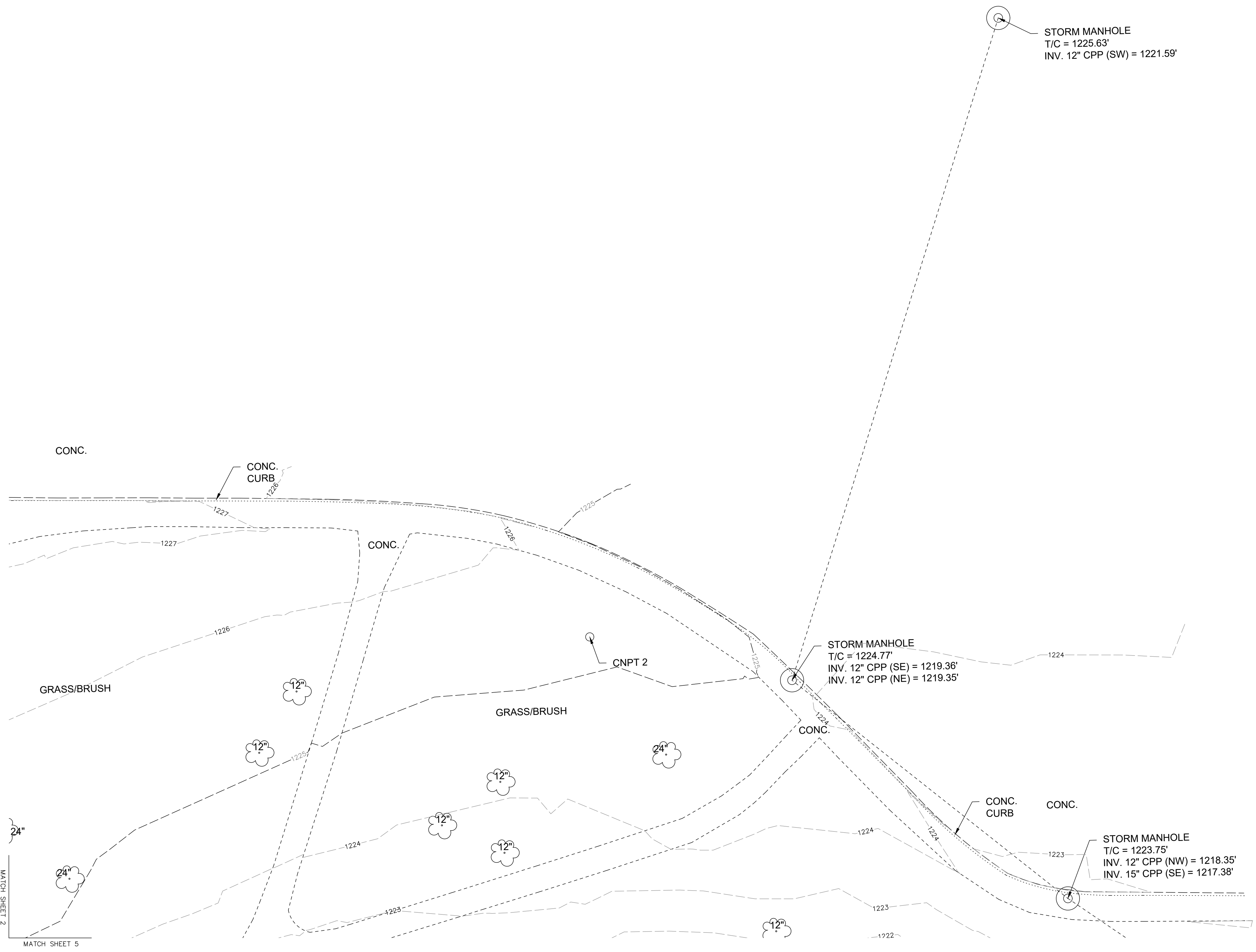
ALL NORTHINGS, EASTINGS AND ELEVATIONS SHOWN HEREON ARE BASED ON SMART SERVICES SURVEY DATA OBTAINED IN SEPTEMBER 2025.



DRAWN BY: A. STEVENS	DATE: 10/21/2025
CHECKED BY: J. DODGION	DRAWING NO.: 895701
JOB NO.: 895701	SHEET 2 OF 5

PREPARED BY:
SMART SERVICES
88 W. CHURCH STREET, NEWARK, OHIO 43055
PHONE: (740) 345-4700 FAX: (740) 522-4706

PREBLE TRUCK PARKING TOPOGRAPHIC SURVEY
 ODOT PREBLE-I70 WESTBOUND RESTROOMS
 JEFFERSON TOWNSHIP, PREBLE COUNTY, OHIO



LEGEND

- CONTROL POINT
- ⊕ BENCHMARK
- ⊗ SOIL BORING
- ⊞ ELECTRIC PULLBOX
- ⊞ ELECTRIC MANHOLE
- ☼ TREE AS NOTED
- ⊕ LIGHT POLE
- STORM MANHOLE
- SANITARY MANHOLE
- ⊞ CATCH BASIN

ABBREVIATIONS KEY

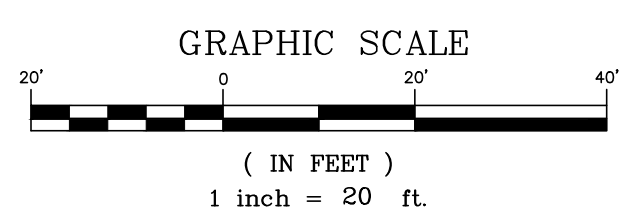
MT - MULTI-TRUNK

--- SAN --- SANITARY SEWER LINE
 --- STORM SEWER LINE
 --- 800 --- CONTOUR LINES
 ○ GATE
 ---X---X--- FENCE LINE AS NOTED

NOTE: INVERTS COULD NOT BE OBTAINED ON CERTAIN STRUCTURES DUE TO UTILITY STRUCTURES BEING FULL OF WATER AND/OR DEBRIS.

Control Point Table				
Point #	Northing	Easting	Elevation	Description
CNPT 1	575645.235	132803.887	1223.73	5/8" REBAR W/RED TRAVERSE CAP
CNPT 2	575664.807	133396.624	1225.44	5/8" REBAR W/RED TRAVERSE CAP
CNPT 3	575291.572	133439.172	1214.04	5/8" REBAR W/RED TRAVERSE CAP
BM 1	575526.8	132797.7	1223.85	MAG NAIL IN CONC. CURB

ALL NORTHINGS, EASTINGS AND ELEVATIONS SHOWN HEREON ARE BASED ON SMART SERVICES SURVEY DATA OBTAINED IN SEPTEMBER 2025.



DRAWN BY: A. STEVENS	DATE: 10/21/2025
CHECKED BY: J. DODGION	DRAWING NO.: 895701
JOB NO.: 895701	SHEET 3 OF 5

PREPARED BY:
SMART SERVICES
 88 W. CHURCH STREET, NEWARK, OHIO 43055
 PHONE: (740) 345-4700 FAX: (740) 522-4706

PREBLE TRUCK PARKING TOPOGRAPHIC SURVEY ODOT PREBLE-I70 WESTBOUND RESTROOMS JEFFERSON TOWNSHIP, PREBLE COUNTY, OHIO

STORM MANHOLE
T/C = 1223.05'
INV. 12" CPP (NE) = 1218.14'

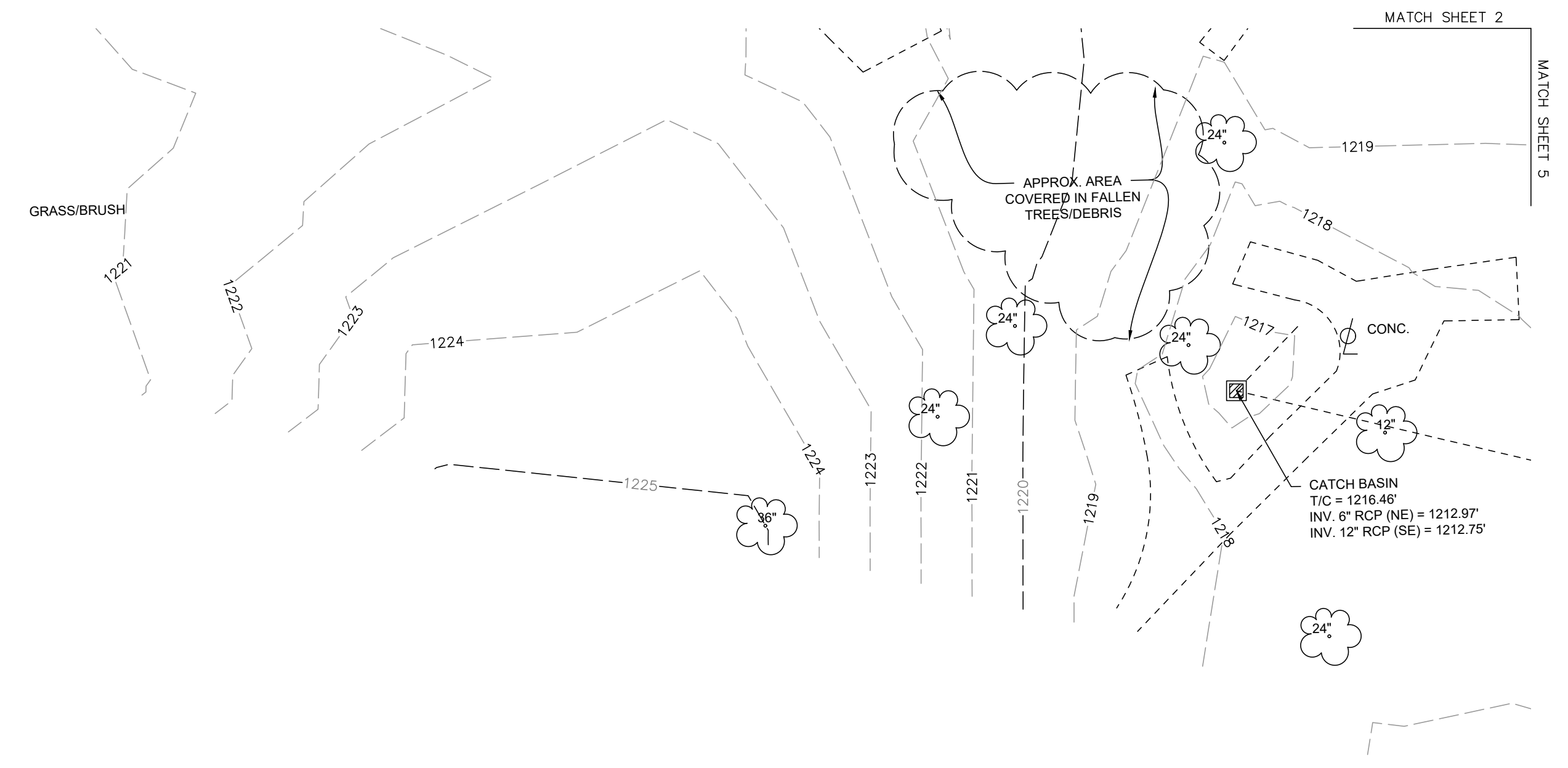
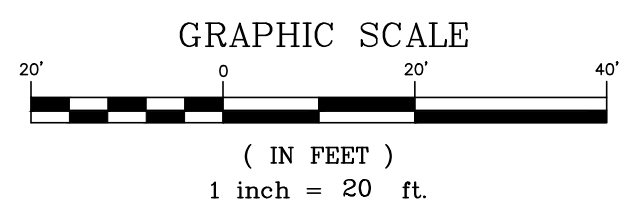
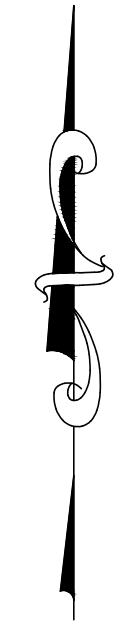
- LEGEND**
- CONTROL POINT
 - BENCHMARK
 - SOIL BORING
 - ELECTRIC PULLBOX
 - ELECTRIC MANHOLE
 - TREE AS NOTED
 - LIGHT POLE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - 800 CONTOUR LINES
 - GATE
 - FENCE LINE AS NOTED
 - STORM MANHOLE
 - SANITARY MANHOLE
 - CATCH BASIN

ABBREVIATIONS KEY
MT - MULTI-TRUNK

NOTE: INVERTS COULD NOT BE OBTAINED ON CERTAIN STRUCTURES DUE TO UTILITY STRUCTURES BEING FULL OF WATER AND/OR DEBRIS.

Control Point Table				
Point #	Northing	Easting	Elevation	Description
CNPT 1	575645.235	132803.887	1223.73	5/8" REBAR W/RED TRAVERSE CAP
CNPT 2	575664.807	133396.624	1225.44	5/8" REBAR W/RED TRAVERSE CAP
CNPT 3	575291.572	133439.172	1214.04	5/8" REBAR W/RED TRAVERSE CAP
BM 1	575526.8	132797.7	1223.85	MAG NAIL IN CONC. CURB

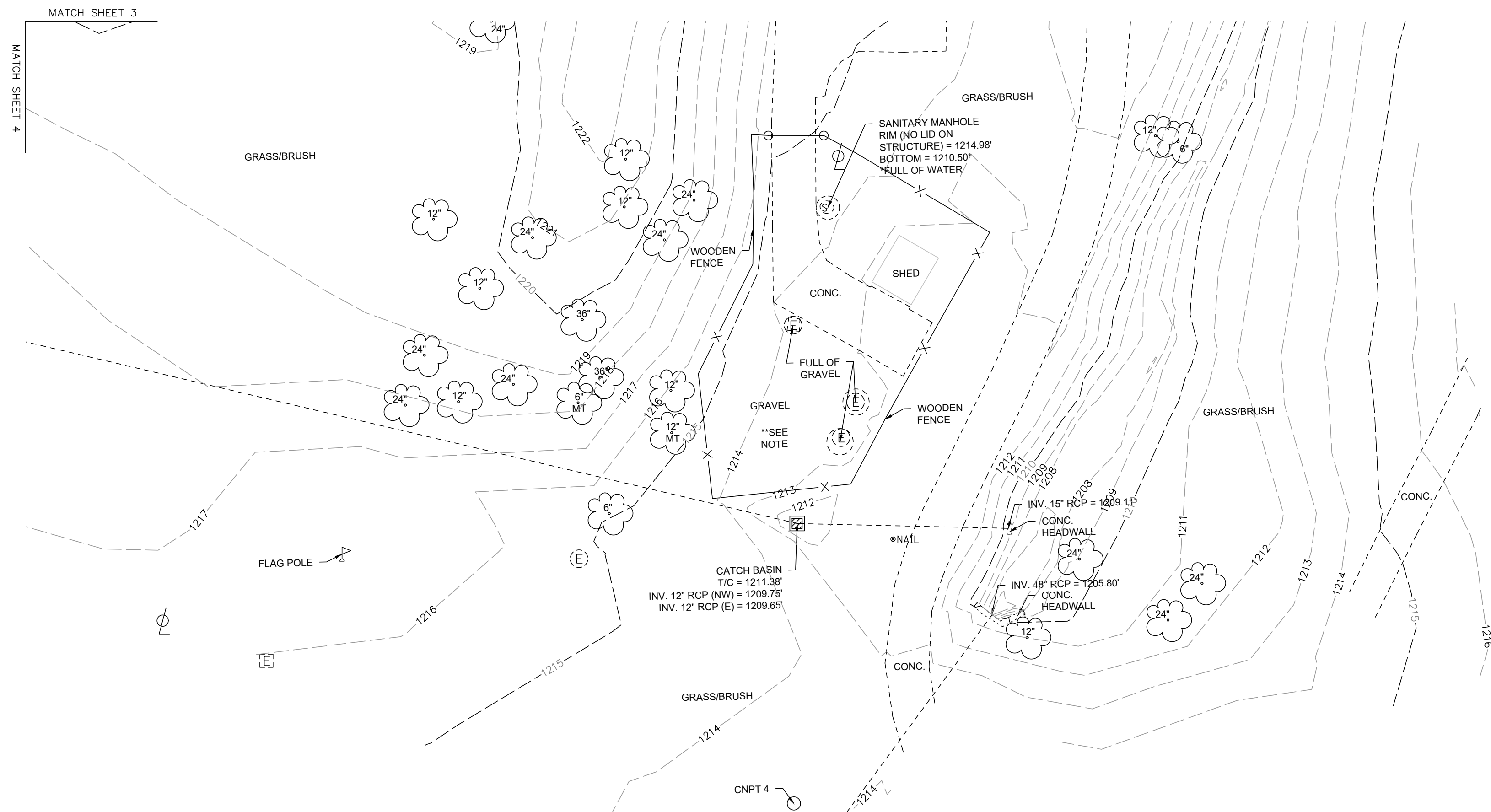
ALL NORTHINGS, EASTINGS AND ELEVATIONS SHOWN HEREON ARE BASED ON SMART SERVICES SURVEY DATA OBTAINED IN SEPTEMBER 2025.



DRAWN BY: A. STEVENS	DATE: 10/21/2025
CHECKED BY: J. DODGION	DRAWING NO.: 895701
JOB NO.: 895701	SHEET 4 OF 5

PREPARED BY:
SMART SERVICES
88 W. CHURCH STREET, NEWARK, OHIO 43055
PHONE: (740) 345-4700 FAX: (740) 522-4706

PREBLE TRUCK PARKING TOPOGRAPHIC SURVEY ODOT PREBLE-I70 WESTBOUND RESTROOMS JEFFERSON TOWNSHIP, PREBLE COUNTY, OHIO




**NOTE: ENCLOSED AREA SHOWS STRUCTURES FROM PREVIOUS SURVEY. AT TIME OF SURVEY STRUCTURES WERE UNABLE TO BE LOCATED. AREA COVERED IN GRAVEL.

LEGEND		ABBREVIATIONS KEY
○ CONTROL POINT	○ STORM MANHOLE	MT - MULTI-TRUNK
⊕ BENCHMARK	○ SANITARY MANHOLE	
⊗ SOIL BORING	▣ CATCH BASIN	
⊞ ELECTRIC PULLBOX		
⊞ ELECTRIC MANHOLE		
☼ TREE AS NOTED		
⊕ LIGHT POLE		
--- SAN ---	--- SANITARY SEWER LINE	
---	--- STORM SEWER LINE	
---	--- CONTOUR LINES	
○	○ GATE	
---	--- FENCE LINE AS NOTED	

NOTE: INVERTS COULD NOT BE OBTAINED ON CERTAIN STRUCTURES DUE TO UTILITY STRUCTURES BEING FULL OF WATER AND/OR DEBRIS.

Control Point Table				
Point #	Northing	Easting	Elevation	Description
CNPT 1	575645.235	132803.887	1223.73	5/8" REBAR W/RED TRAVERSE CAP
CNPT 2	575664.807	133396.624	1225.44	5/8" REBAR W/RED TRAVERSE CAP
CNPT 3	575291.572	133439.172	1214.04	5/8" REBAR W/RED TRAVERSE CAP
BM 1	575526.8	132797.7	1223.85	MAG NAIL IN CONC. CURB

ALL NORTHINGS, EASTINGS AND ELEVATIONS SHOWN HEREON ARE BASED ON SMART SERVICES SURVEY DATA OBTAINED IN SEPTEMBER 2025.

DRAWN BY: A. STEVENS	DATE: 10/21/2025	 SMART SERVICES <small>88 W. CHURCH STREET, NEWARK, OHIO 43055 PHONE: (740) 345-4700 FAX: (740) 522-4706</small>
CHECKED BY: J. DODGION	DRAWING NO.: 895701	
JOB NO.: 895701	SHEET 5 OF 5	

GENERAL NOTES

THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS DATED JANUARY 1, 2023, INCLUDING ALL SUPPLEMENTS THERETO SHALL GOVERN TECHNICAL ASPECTS OF THIS IMPROVEMENT. WHENEVER REFERENCE IS MADE TO THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE SECTION OR ITEM NUMBER WILL BE REFERRED TO AND SUCH REFERENCE SHALL GOVERN THE CONDUCT OF THE WORK HEREIN, AND HAVE THE SAME FORCE AND EFFECT AS THOUGH TRANSCRIBED INTO THESE SPECIFICATIONS.

STATE OF OHIO GENERAL CONDITIONS WILL GOVERN THE REMAINING ASPECTS OF THE PROJECT.

CONTRACTOR SHALL FIELD VERIFY ELEVATIONS, SIZES AND MATERIALS OF ALL EXISTING UTILITIES WHICH ARE TO BE TAPPED OR EXTENDED ON SITE. ANY DEVIATIONS FROM PLAN INFORMATION SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER IN WRITING WITHIN 24 HOURS AND PRIOR TO START OF CONSTRUCTION ON THAT SYSTEM(S). SHOULD THE CONTRACTOR START WORK WITHOUT NOTIFICATION OF ANY DISCREPANCIES, HE WILL ASSUME ALL RESPONSIBILITY OF THE WORK NECESSARY TO COMPLETE THE PROJECT.

CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL PROJECT AND FOLLOW THE ABOVE REQUIREMENTS. NO ADDITIONAL REQUEST FOR INCURRED COSTS PAYMENTS FOR DOWNTIME WILL BE ALLOWED IF THE CONTRACTOR DOES NOT VERIFY EXISTING CONDITIONS AND SO ADVISE THE ARCHITECT/ENGINEER.

ALL WORK SHALL FOLLOW STATE AND LOCAL BUILDING AND ZONING CODES AND/OR OTHER APPLICABLE CODES. IN CASE OF CONFLICT BETWEEN CODE REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN.

ALL SIDEWALKS AND SIDEWALK SLOPES SHALL BE ADA COMPLAINT.

ALL EXISTING CONDITIONS, DIMENSIONS, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

ALL PRODUCTS USED IN THE PROJECT SHALL BE NEW AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTORS SHALL LEAVE THE SITE CLEAN, FREE OF DEBRIS AND UNUSED MATERIALS RESULTING FROM THE WORK OF THIS CONTRACT, AND RESTORE THE SITE TO CONDITIONS PRIOR TO THE START OF CONSTRUCTION.

ALL DISTURBED LAWN AREAS SHALL BE RESTORED BACK TO ORIGINAL CONDITION BY THE CONTRACTOR, REGRADED, ADD ADDITIONAL TOP SOIL AS REQUIRED TO MATCH EXISTING ADJACENT LAWNS, AND SEED.

SANITARY SEWER NOTES

PROPOSED 6" SANITARY SEWER LINE TO BE CONNECTED TO THE PROPOSED LIFT STATION (EXCEL FLUID GROUP FACTORY OR APPROVED EQUAL). THE DISCHARGE SANITARY FLOW SHALL BE TIED INTO AN EXISTING 4" FORCE MAIN. FOR DETAIL SEE SHEET C.117.

QUALITY CONTROL

QUALITY CONTROL TESTS AND INSPECTIONS ARE CONTRACTOR'S RESPONSIBILITY. ALL TESTING REQUIRED TO COMPLY WITH STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) "CONSTRUCTION AND MATERIAL SPECIFICATIONS" AND SHALL BE CONTRACTOR'S RESPONSIBILITY. PROVIDE QUALITY-CONTROL SERVICES SPECIFIED AND THOSE REQUIRED BY AUTHORITIES HAVING JURISDICTION. PERFORM QUALITY-CONTROL SERVICES REQUIRED OF CONTRACTOR BY AUTHORITIES HAVING JURISDICTION, WHETHER SPECIFIED OR NOT. COST FOR ALL TESTING SHALL BE PART OF CONTRACTOR'S BASE-BID AND NO ADDITIONAL COMPENSATIONS SHALL BE APPROVED FOR SUCH TESTING. CONTRACTOR TO HIRE INDEPENDENT LABORATORY APPROVED BY ARCHITECT/ENGINEER TO PERFORM TESTING.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ELECTRIC:
AES OHIO (FORMERLY DPL)
BILL WARD
1900 DRYDEN RD.
DAYTON, OH 45439
PHONE: 937-554-9063
EMAIL: WILLIAM.WARD@AES.COM

SANITARY:
OHIO DEPARTMENT OF TRANSPORTATION

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

DELEGATED DESIGN

B. WATER WELL WITH ACCESSORIES COMPLETE IN PLACE

THE CONTRACTOR SHALL HIRE A LICENSED DESIGN PROFESSIONAL TO CREATE THE DESIGN FOR WATER WELL COMPONENT. THE SPECIFIC DETAILS OF THE PLAN SHALL COMPLY WITH OHIO EPA, OHIO CODES, AND LOCAL REGULATIONS.

PRELIMINARY DESIGN OF THESE COMPONENTS WAS ADDRESSED IN THE PLUMBING DESIGN OF THE PROJECT TO COORDINATE FOR THE REQUIRED MECHANICAL SPACE FOR THE REQUIRED EQUIPMENT. WATER WELL PUMP WAS SIZED AT A RATE OF (30) GPM AT (150) FT. HEAD.

FINAL SELECTION SHALL BE SUBMITTED FOR THE ENGINEER REVIEW AND APPROVAL.

- 1. PROJECT INFORMATION AND WELL DESIGN:
A DELEGATED DESIGN PLAN SHOULD INCLUDE GENERAL PROJECT INFORMATION AND PROJECT-SPECIFIC DETAILS. THE DESIGN OF A WATER WELL SHALL INCLUDE A WELL CASING, WELL SCREEN, AND A BOTTOM SUMP, ALL SURROUNDED BY A GRAVEL PACK AND SEALS. A WELL CASING IS A PIPE THAT KEEPS THE HOLE FROM COLLAPSING AND PREVENTS CONTAMINANTS FROM ENTERING THE WATER SUPPLY. THE WELL SCREEN IS WHERE WATER ENTERS THE WELL.
- 2. WATER SYSTEM COMPONENTS:
THE DESIGN SHOULD ALSO INCLUDE THE OTHER PARTS OF THE WATER SYSTEM, SUCH AS CHLORINATION, FILTRATION, WATER SOFTNERS, PRESSURE TANK, PUMP, AND BACKFLOW PREVENTION MEASURES. THE DESIGN OF WATER SYSTEM SHALL BE BASED ON ACCEPTABLE WELL WATER QUALITY.
- 3. WELL INSTALLATION AND LOGS:
THE PLAN MUST INCLUDE CONSTRUCTION PROCEDURES AND DIAGRAMS. DURING DRILLING, DAILY LOGS SHOULD BE KEPT, DOCUMENTING DETAILS LIKE DRILLING RATES, MUD CHARACTERISTICS, AND THE GEOLOGICAL MATERIALS ENCOUNTERED.
- 4. LICENSING AND APPROVAL:
THE ABILITY TO LEGALLY DELEGATE DESIGN DEPENDS ON THE JURISDICTION. IN OHIO, FOR EXAMPLE, THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OHIO EPA) REVIEWS AND APPROVES ENGINEERING PLANS FOR PUBLIC WATER SYSTEMS. A PROFESSIONAL ENGINEER MUST SIGN AND SEAL WELL SITE PLANS BEFORE THEY ARE SUBMITTED. THE BOARD OF HEALTH ISSUES PERMITS FOR CONSTRUCTING A PRIVATE WATER SYSTEM. THE ENGINEER OF RECORD (EOR) SHALL REVIEW AND APPROVE THE DELEGATED DESIGNS TO ENSURE THEY COMPLY WITH PROJECT AND REGULATORY STANDARDS.
- 5. PLUMBING DRAWINGS INCLUDE PRELIMINARY WATER CHLORINATION, FILTRATION, WATER SOFTNERS. DELEGATED DESIGN SHALL ALL REQUIREMENTS BASED ON THE WELL WATER QUALITY AND PROVIDE AND SUBMIT DESIGN FOR ALL REQUIRED EQUIPMENT FOR THE APPROVAL OF OWNER AND ENGINEER

WATER WELL CAPACITY

A WATER WELL WITH A CAPACITY OF 2,500 GPD WILL BE REQUIRED FOR THIS PROJECT. THE WELL IS INTENDED FOR PUBLIC WATER SYSTEMS AND SHALL FOLLOW OHIO EPA AND CONSTRUCTED BY AN ODNR-REGISTERED WELL DRILLER TO COMPLY WITH DESIGN, SITING, CONSTRUCTION, DEVELOPMENT, TESTING, AND DISINFECTION STANDARDS AS OUTLINED IN OAC 3745-9. THE WELL WILL BE INSTALLED IN AN AREA WITH A MINIMUM OF 50 FT. RADIUS FROM ANY POTENTIAL CONTAMINATION SOURCES.

WATER WELL REQUIREMENTS:

- A. CASING MUST EXTEND AT LEAST 25FT. BELOW SURFACE AND 1FT. ABOVE FINAL GRADE.
- B. MUST BE GROUTED FULLY FROM CASING BASE TO SURFACE (TYPICALLY WITH BENTONITE OR CEMENT GROUT).
- C. BOREHOLE ANNULUS MUST HAVE MINIMUM 1.5 INCH CLEARANCE ON ALL SIDES OF CASING.
- D. CASING AND SCREEN MATERIALS MUST BE NSF/ANSI 61 CERTIFIED AND CORROSION-RESISTANT (PVC, STAINLESS STEEL, ETC.).
- E. WELL SCREEN:
 - 1. REQUIRED IN UNCONSOLIDATED FORMATIONS.
 - 2. DESIGN BASE ON SIEVE ANALYSIS OF AQUIFER MATERIALS.
 - 3. SCREEN ENTRANCE VELOCITY MUST NOT EXCEED 0.1 FT/S.
 - 4. MUST BE INSTALLED WITH CENTRALIZERS AND BOTTOM CAP.
 - 5. FILTER PACK
- F. SILICA-BASED GRAVEL/SAND MUST CLEAN AND INERT.
- G. INSTALLED AT LEAST 2 FT. ABOVE TOP OF SCREEN.
- H. SEPARATED FROM GROUT BY A BENTONITE SEAL PLUG.
- I. PITLESS ADAPTERS AND CAPS
- J. MUST BE PAS-97 CERTIFIED OR MEET OHIO EPA PERFORMANCE STANDARDS.
- K. IT MUST PREVENT SURFACE CONTAMINATION, BE VERMIN-PROOF AND WEATHERPROOF.
- L. LEAD AND MERCURY COMPONENTS ARE PROHIBITED.
- M. WATER WELL SIZING:

PER DRIVER WATER USAGE=	20 GPD
FOR 100 DRIVERS	2000 GPD
FACTOR OF SAFETY 25%	2500 GPD
PEAK HOUR DEMAND (25% OF DAILY)	625 GPM
	11 GPM USE 15 GPM

C. UNDERGROUND WATER STORAGE TANK

CAPACITY: 10,000 GALLONS SIMILAR TO CONTAINMENT SOLUTIONS OR APPROVED EQUAL. DIMENSIONS: APPROXIMATELY (10' I.D. X 20'-5") WEIGHT: 3,000 TO 4,000 LBS., DEPENDING ON DIAMETER WALL THICKNESS: 1/2 TO 3/4 INCH BOTTOM THICKNESS: UP TO 1.125 INCHES INSTALLATION: DESIGNED FOR BURIAL UP TO 7 FEET DEEP WITH AN H-20 LOAD RATING SAFETY FACTOR: MUST WITHSTAND A 5-PSIG AIR PRESSURE TEST MUST BE CAPABLE OF HANDLING 7 FEET OF OVERBURDEN ADDITIONAL CONSIDERATIONS MATERIAL: FIBERGLASS REINFORCED PLASTIC (FRP) CERTIFICATION: NSF-61 CERTIFIED FOR DRINKING WATER FEATURES: BUILT-IN FEATURES SUCH AS LIFTING LUGS, FITTING FLATS, AND DEADMAN WIGHTS

CODE AND REGULATORY COMPLIANCE

- A. OHIO BUILDING CODE (OBC-2024)
- B. LOCAL HEALTH AND SANITATION CODES
- C. ENERGY CODE COMPLIANCE (ASHRAE 90.1 OR IECC)
- D. ADA AND OSHA STANDARDS
- E. EPA AND CLEAN WATER ACT (FOR PLUMBING DISCHARGE)

DELEGATED DESIGN

A. UNDERGROUND PROPANE TANK WITH ACCESSORIES COMPLETE IN PLACE

DELEGATED DESIGN FOR AN UNDERGROUND PROPANE TANK INVOLVES THE TANK MANUFACTURER OR A SPECIALIZED CONTRACTOR BEING RESPONSIBLE FOR DESIGNING SPECIFIC, DETAILED SYSTEM COMPONENTS BASED ON THE OVERALL PERFORMANCE REQUIREMENTS SET BY THE PROJECT'S PRIMARY ENGINEER OR ARCHITECT. THIS PROCESS IS GOVERNED BY THE NFPA 58 LIQUEFIED PETROLEUM GAS CODE, SUPPLEMENTED BY MANUFACTURER GUIDELINES AND LOCAL REGULATIONS.

TANK SHALL BE 2,000-GALLON NOMINAL CAPACITY. DESIGN SHALL PROVIDE THE OPTIONS OF STEEL OR POLY MATERIAL TANKS, WITH AVAILABLE WARRANTY, EXPECTED TANK LIFE, COST ANALYSIS FOR OWNER AND ENGINEER APPROVAL AND DECISION.

KEY STANDARDS FOR DELEGATED DESIGN:

THE PRIMARY AUTHORITY FOR ALL ASPECTS OF PROPANE TANK INSTALLATION IS THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 58 CODE. ANY DELEGATED DESIGN FOR AN UNDERGROUND TANK MUST STRICTLY ADHERE TO THIS CODE.

THE MAIN COMPONENTS OF THE DELEGATED DESIGN INCLUDE:

- CATHODIC PROTECTION SYSTEM: THIS IS A CRUCIAL, MANUFACTURER-DELEGATED DESIGN ASPECT FOR PREVENTING TANK CORROSION, WHICH IS A MAJOR RISK FOR UNDERGROUND TANKS.
 - o THE MANUFACTURER OR CONTRACTOR MUST DESIGN AND INSTALL THE CATHODIC PROTECTIO SYSTEM, WHICH TYPICALLY INVOLVES SACRIFICIAL ANODES ATTACHED TO THE TANK.
 - o THE DESIGN SPECIFIES THE NUMBER AND PLACEMENT OF ANODES BASED ON THE TANK SIZE AND THE SOIL CONDITIONS AT THE SITE.
 - o THE SYSTEM MUST BE TESTED INITIALLY, AND AT SPECIFIED INTERVALS (E.G., EVERY 3 YEARS), TO ENSURE IT IS WORKING CORRECTLY.
- TANK ANCHORING AND SUPPORT: THE DESIGN MUST PREVENT THE TANK FROM SHIFTING OR FLOATING OUT OF THE GROUND, PARTICULARLY IN AREAS PRONE TO FLOODING.
 - o DESIGNERS MUST PROVIDE SPECIFIC ANCHORING DETAILS, SUCH AS CONCRETE FOUNDATIONS OR STRAPS, THAT ARE ENGINEERED TO COUNTERACT BUOYANCY.
- SOIL AND BACKFILL REQUIREMENTS: THE DELEGATED DESIGN MUST SPECIFY THE MATERIALS AND PROCEDURES FOR INSTALLING THE TANK IN THE GROUND.
 - o THE TANK MUST BE PLACED ON A BED OF SAND OR OTHER APPROVED, NON-ABRASIVE MATERIAL.
 - o THE BACKFILL MATERIAL MUST ALSO BE FREE OF ROCKS AND OTHER DAMAGING ABRASIVES TO PROTECT THE TANK'S CORROSION-PROTECTIVE COATING.
- STRUCTURAL ELEMENTS FOR VEHICULAR TRAFFIC: IF A TANK IS LOCATED IN OR NEAR A DRIVEWAY OR OTHER AREA WITH VEHICULAR TRAFFIC, THE MANUFACTURER OR CONTRACTOR IS RESPONSIBLE FOR DESIGNING APPROPRIATE PROTECTIVE MEASURES.
 - o THIS MAY INCLUDE BURYING THE TANK AT A GREATER DEPTH (E.G., 18 INCHES INSTEAD OF 6) OR PROVIDING CRASH-RESISTANT BARRIERS LIKE BOLLARDS OR CONCRETE SLABS.
- PIPING SYSTEM DETAILS: WHILE THE OVERALL SYSTEM LAYOUT IS HANDLED BY THE PRIMARY ENGINEER, THE DELEGATED DESIGNER IS RESPONSIBLE FOR SPECIFIC PIPING CONNECTION DETAILS.
 - o THE DESIGN MUST ENSURE ALL UNDERGROUND METALLIC PIPING IS ELECTRICALLY ISOLATED FROM ABOVE-GROUND PIPING USING DIELECTRIC FITTINGS.

UTILITY NOTES

- 1. CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, INVERT ELEVATION, AND CONDITION OF EXISTING UTILITIES WHICH ARE INTENDED TO BE UTILIZED AS A CONNECTION POINT FOR ALL PROPOSED UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO ENSURE EXISTING UTILITIES ARE IN GOOD CONDITION AND FREE FLOWING (IF APPLICABLE). IF ELEVATIONS, SIZE, OR LOCATION DIFFER FROM WHAT IS SHOWN ON PLANS, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
- 2. WHERE PLANS PROVIDE FOR PROPOSED WORK TO BE CONNECTED TO, OR CROSS OVER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED WORK. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE RESULTS IN A CHANGE IN THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED WORK WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.

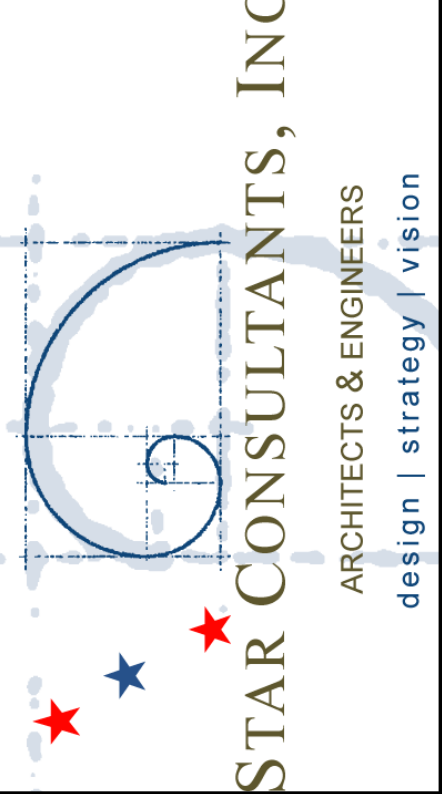
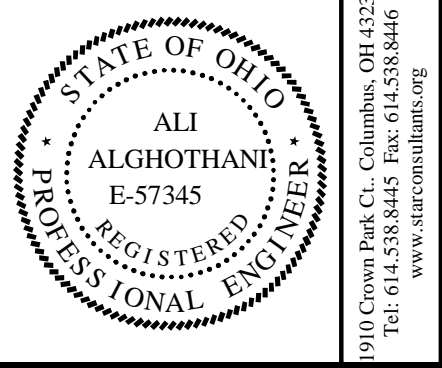
EXISTING UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE BASED ON TOPOGRAPHIC SURVEY DATA. CONTRACTOR SHALL CONTACT OUPS, FIELD MARK AND VERIFY ALL EXISTING UTILITIES IN THE FIELD PRIOR TO START OF WORK. THE CONTRACTOR TO HIRE THIRD PARTY UNDERGROUND UTILITY LOCATING COMPANY AND LOCATE ALL UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE ARCHITECT/ENGINEER, REPRESENTATIVES OF THE ARCHITECT/ENGINEER AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE CONTRACTOR. ALL NEW CONDUITS, INLETS, CATCH BASINS AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE ARCHITECT/ENGINEER. ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.

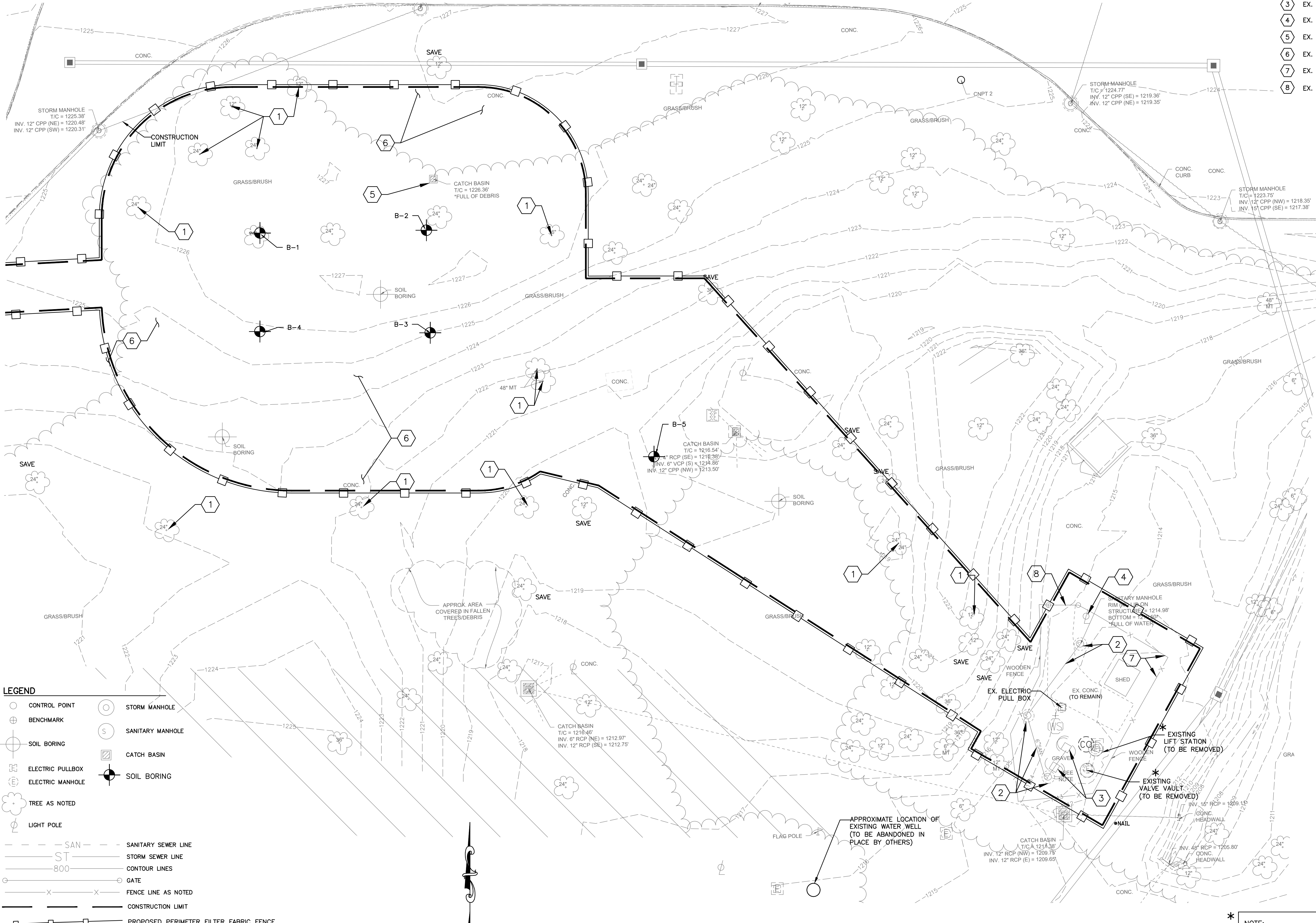
REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
GENERAL NOTES

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.100

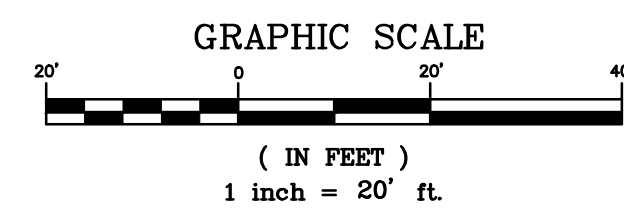


DEMOLITION CODED NOTES:

1	EX. TREES TO BE REMOVED
2	EX. SANITARY MANHOLE AND PIPE TO BE REMOVED
3	EX. TRASH TRAP TO BE REMOVED
4	EX. LIGHT POLE TO REMAIN
5	EX. CATCH BASIN AND PIPES TO BE REMOVED
6	EX. CONCRETE WALK TO BE REMOVED
7	EX. FENCE TO BE REMOVED
8	EX. 12" GATE TO BE REMOVED

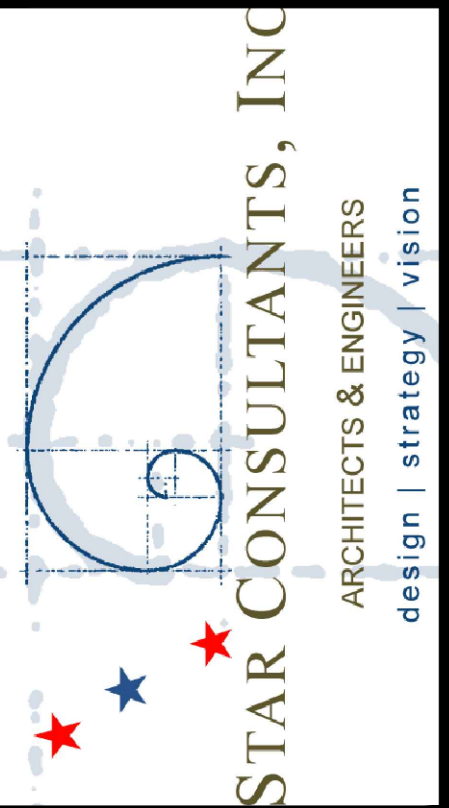
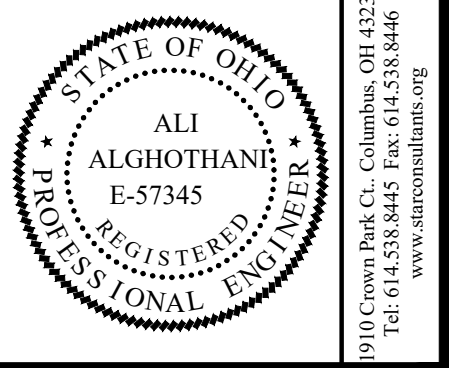
LEGEND

○	CONTROL POINT	○	STORM MANHOLE
⊕	BENCHMARK	○	SANITARY MANHOLE
⊙	SOIL BORING	▭	CATCH BASIN
⊙	ELECTRIC PULLBOX	⊙	SOIL BORING
⊙	ELECTRIC MANHOLE	—	CONTOUR LINES
☁	TREE AS NOTED	—	GATE
⊙	LIGHT POLE	—	FENCE LINE AS NOTED
---	SAN	---	CONSTRUCTION LIMIT
---	SANITARY SEWER LINE	---	PROPOSED PERIMETER FILTER FABRIC FENCE
---	ST		
---	STORM SEWER LINE		
---	800		
---	CONTOUR LINES		
○	GATE		
---	FENCE LINE AS NOTED		
---	CONSTRUCTION LIMIT		
---	PROPOSED PERIMETER FILTER FABRIC FENCE		



REVISIONS

REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



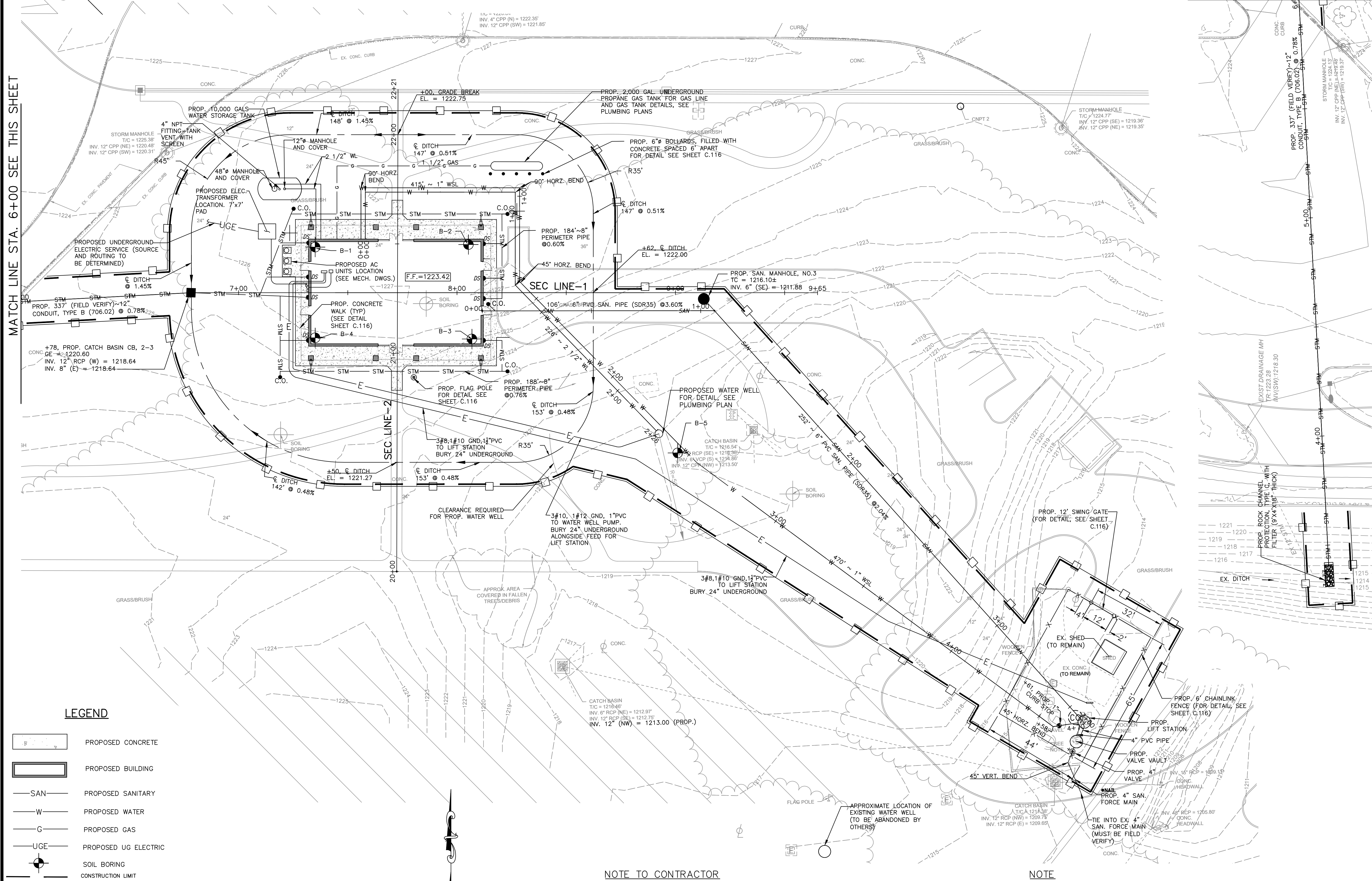
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
DEMOLITION SITE PLAN

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

*** NOTE:**
 -THE CONTRACTOR SHALL CLEAN THE EXISTING LIFT STATION AND VAULT BEFORE REMOVING.
 -THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO LOCATE AND EXPOSE THE EXISTING 4" FORCE MAIN, CLEAN IT, AND TESTED IF FUNCTIONING PROPERLY BEFORE CONNECTING TO THE NEW 4" FORCE MAIN PIPE.

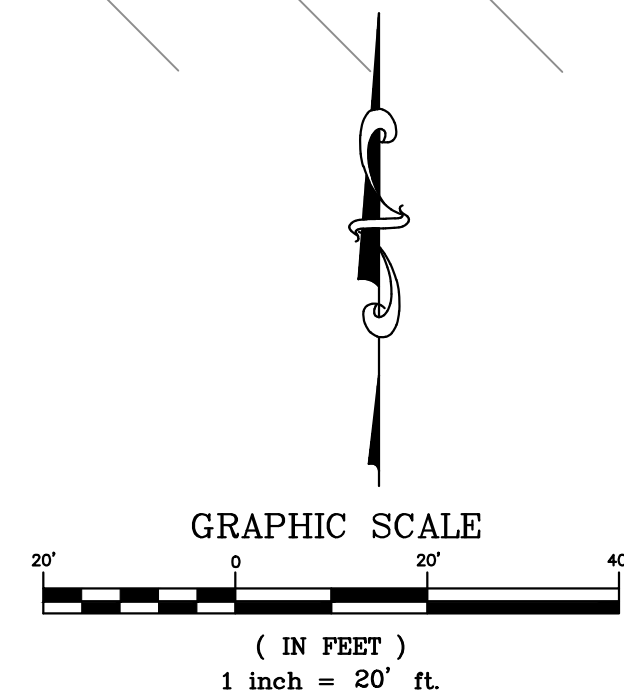
MATCH LINE STA. 6+00 SEE THIS SHEET

MATCH LINE STA. 6+00
SEE THIS SHEET



LEGEND

- PROPOSED CONCRETE
- PROPOSED BUILDING
- PROPOSED SANITARY
- PROPOSED WATER
- PROPOSED GAS
- PROPOSED UG ELECTRIC
- SOIL BORING
- CONSTRUCTION LIMIT
- PROPOSED PERIMETER FILTER FABRIC FENCE



NOTE TO CONTRACTOR

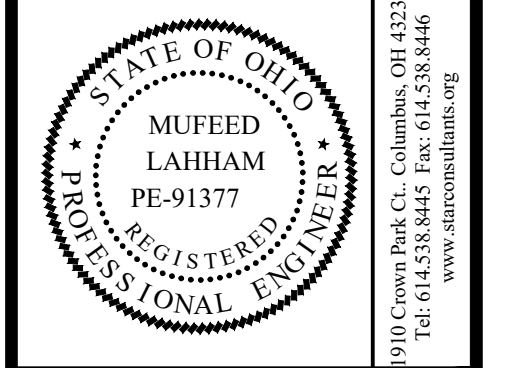
- THE DISTRICT 8 PROJECT WILL START ON OR AFTER 9/15/2026 AT WHICH POINT OUR SITE USE WOULD BE LIMITED. CLEAR SITE AVAILABILITY FROM START OF PROJECT UNTIL 9/15/2026 AND SITE AVAILABILITY AFTER 9/15/2026
- THE CONTRACTOR SHALL COORDINATE WITH DISTRICT 8 ABOUT THE STARTS OF THEIR PROJECT

NOTE

- REFER TO THE DRAWINGS TITLED "PRE-70 WB TRUCK PARKING" DATED AUGUST 29, 2025 BY AMERICAN STRUCTURE POINT, INC. FOR THE PROPOSED DEVELOPMENT PLANS OF THE TRUCK PARKING.
- FOR SANITARY, STORM AND WATER LINE PROFILES SEE SHEETS C.114 AND C.115



REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

170 Cowan Park Ct., Columbus, OH 43235
Tel: 614.538.8444 Fax: 614.538.8446
www.starconsultants.com

OHIO DEPARTMENT OF TRANSPORTATION

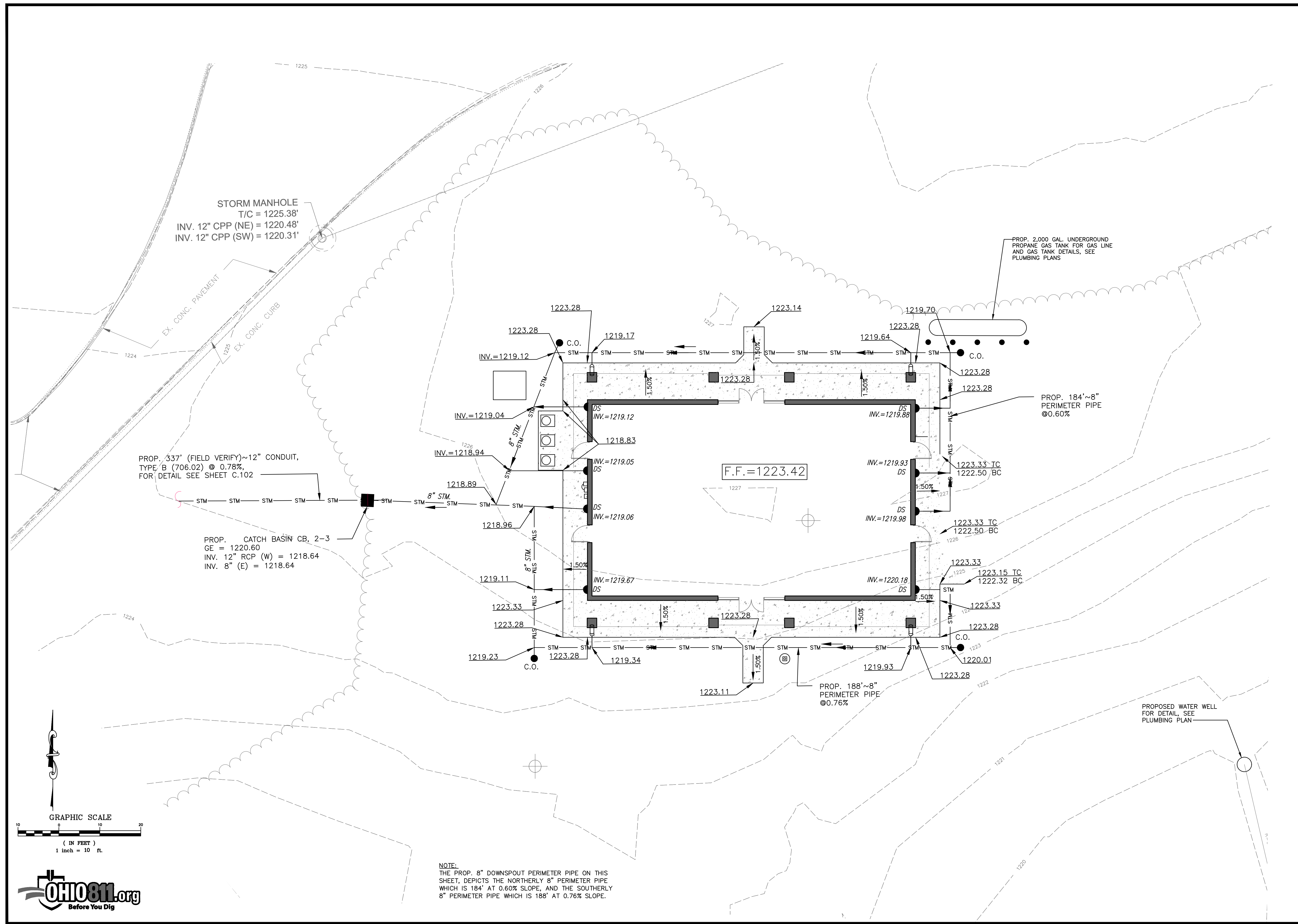
FACD08 RESTROOMS AT PREBLE TRUCK PARKING

170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

NEW WORK - UTILITY SITE PLAN

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.102



STORM MANHOLE
 T/C = 1225.38'
 INV. 12" CPP (NE) = 1220.48'
 INV. 12" CPP (SW) = 1220.31'

PROP. 337' (FIELD VERIFY) ~12" CONDUIT,
 TYPE B (706.02) @ 0.78%,
 FOR DETAIL SEE SHEET C.102

PROP. CATCH BASIN CB, 2-3
 GE = 1220.60
 INV. 12" RCP (W) = 1218.64
 INV. 8" (E) = 1218.64

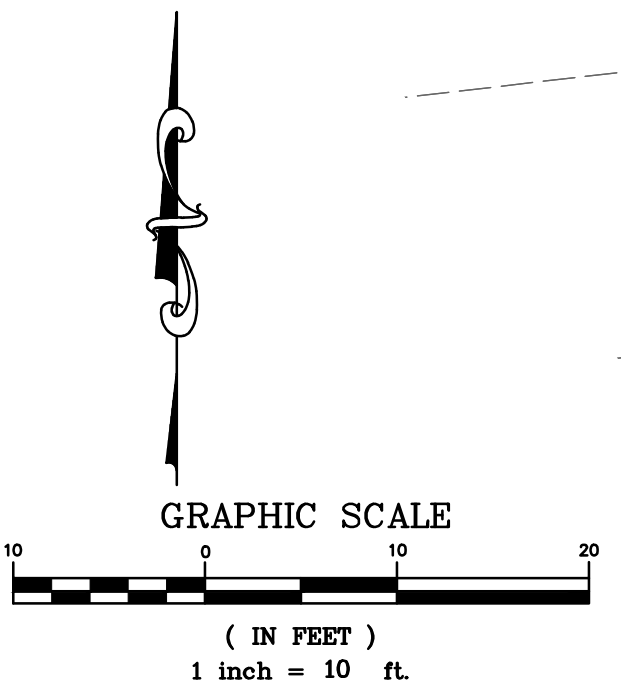
PROP. 2,000 GAL. UNDERGROUND
 PROPANE GAS TANK FOR GAS LINE
 AND GAS TANK DETAILS, SEE
 PLUMBING PLANS

PROP. 184' ~8"
 PERIMETER PIPE
 @0.60%

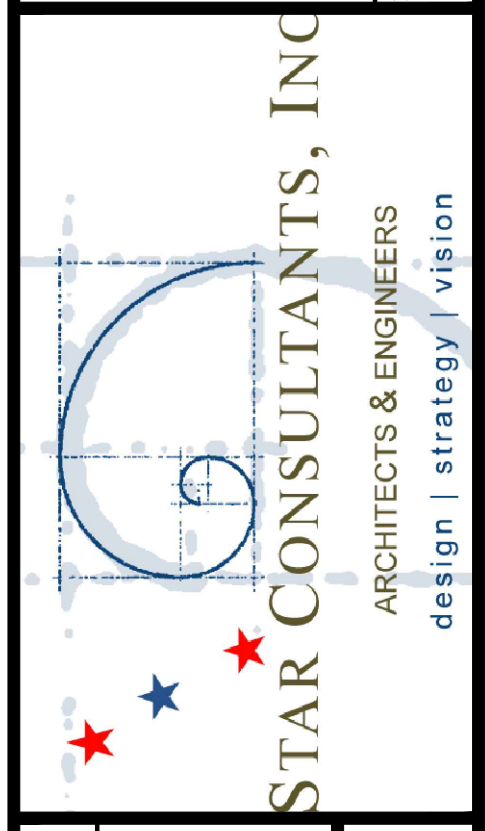
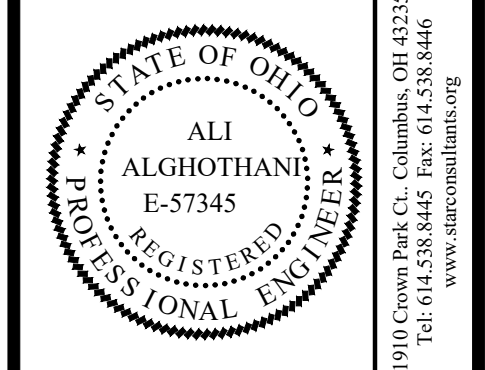
PROP. 188' ~8"
 PERIMETER PIPE
 @0.76%

PROPOSED WATER WELL
 FOR DETAIL, SEE
 PLUMBING PLAN

NOTE:
 THE PROP. 8" DOWNSPOUT PERIMETER PIPE ON THIS
 SHEET, DEPICTS THE NORTHERLY 8" PERIMETER PIPE
 WHICH IS 184' AT 0.60% SLOPE, AND THE SOUTHERLY
 8" PERIMETER PIPE WHICH IS 188' AT 0.76% SLOPE.



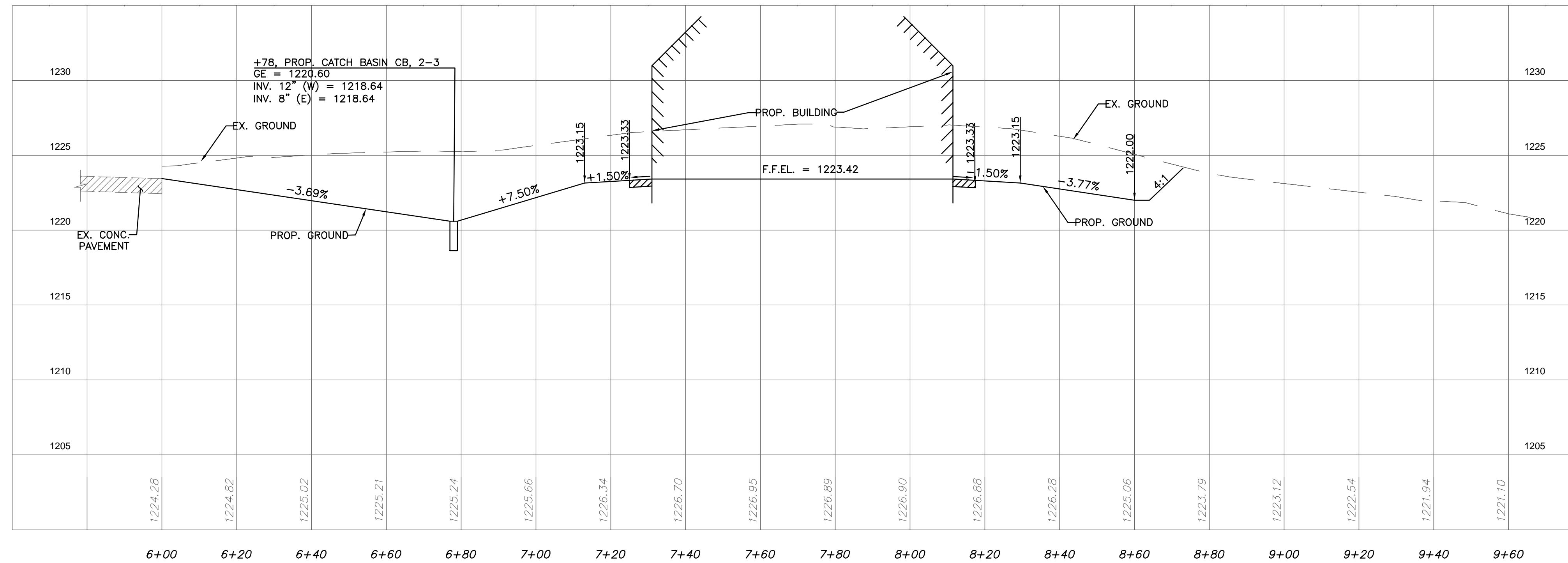
REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 43347, PREBLE COUNTY
ENLARGED SITE GRADING PLAN

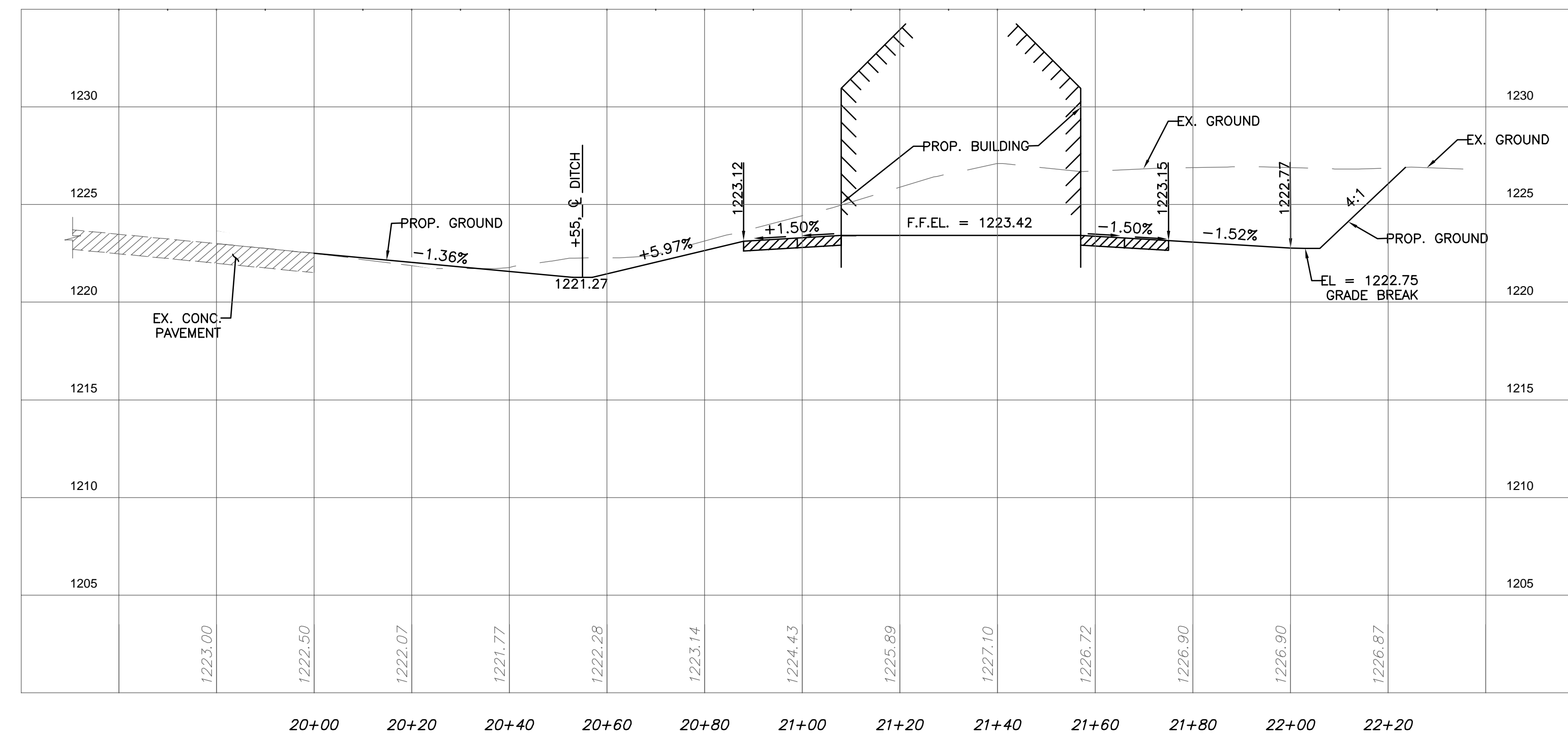
PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.103



SECTION LINE 1 - FROM WEST TO EAST

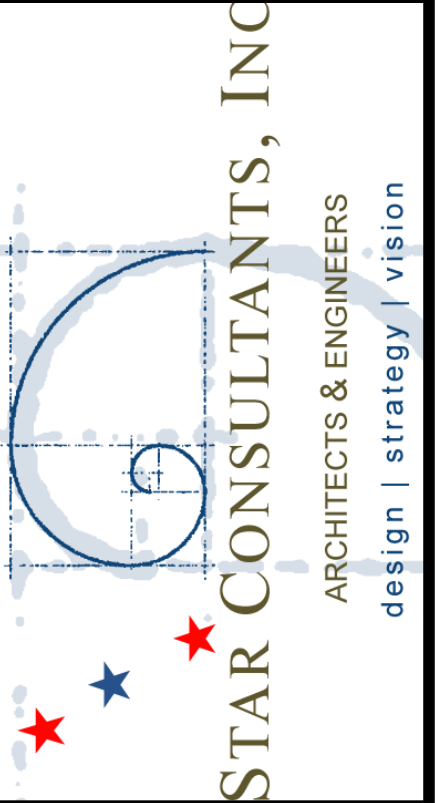
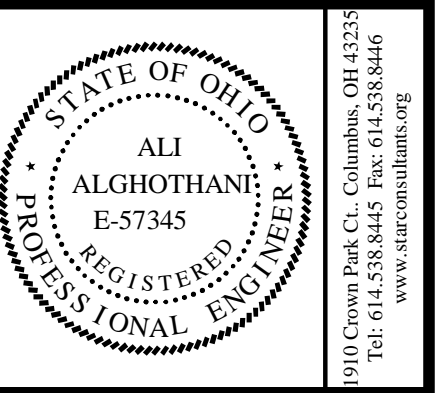
HORIZONTAL : 1" = 20' VERTICAL : 1" = 5'



SECTION LINE 2 - FROM SOUTH TO NORTH

HORIZONTAL : 1" = 20' VERTICAL : 1" = 5'

REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET

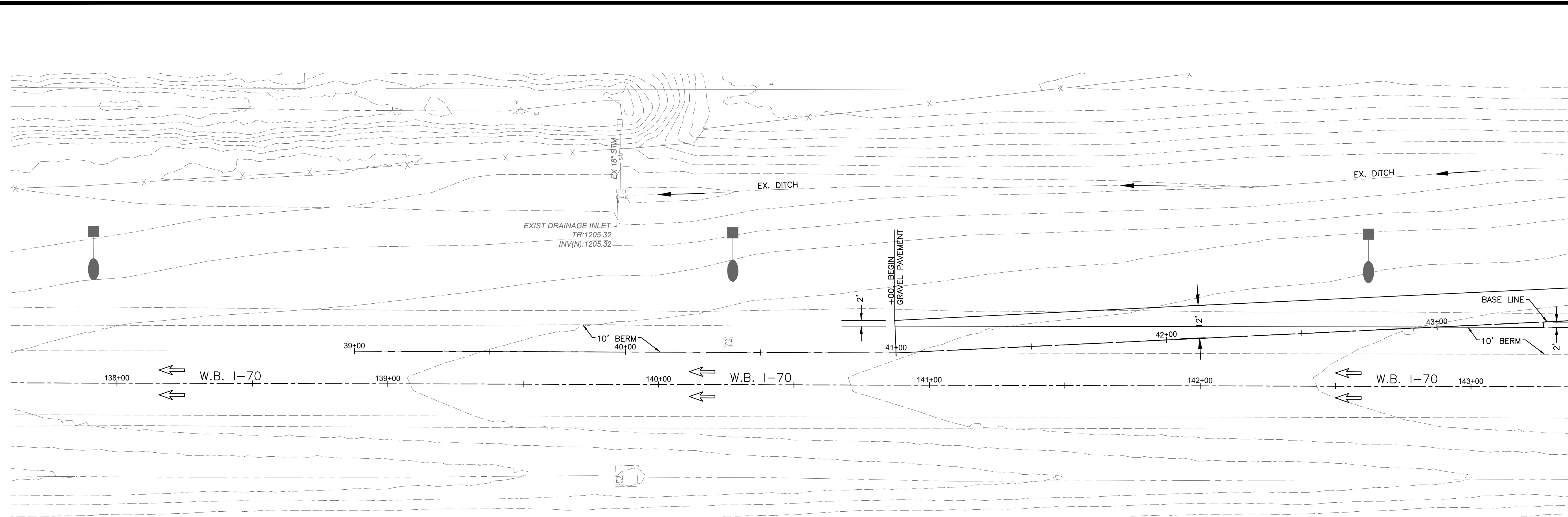


OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

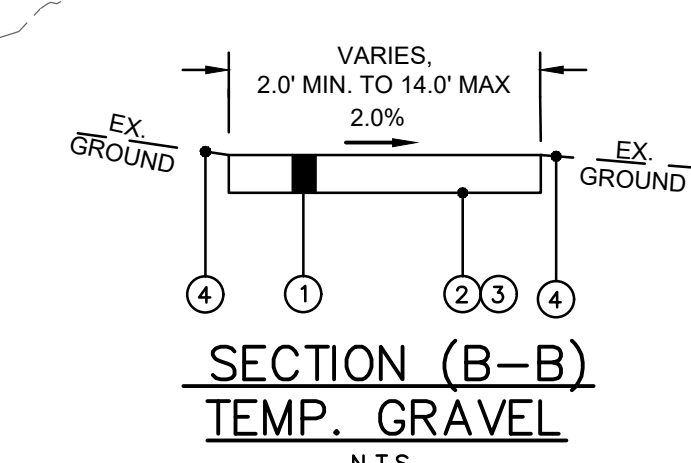
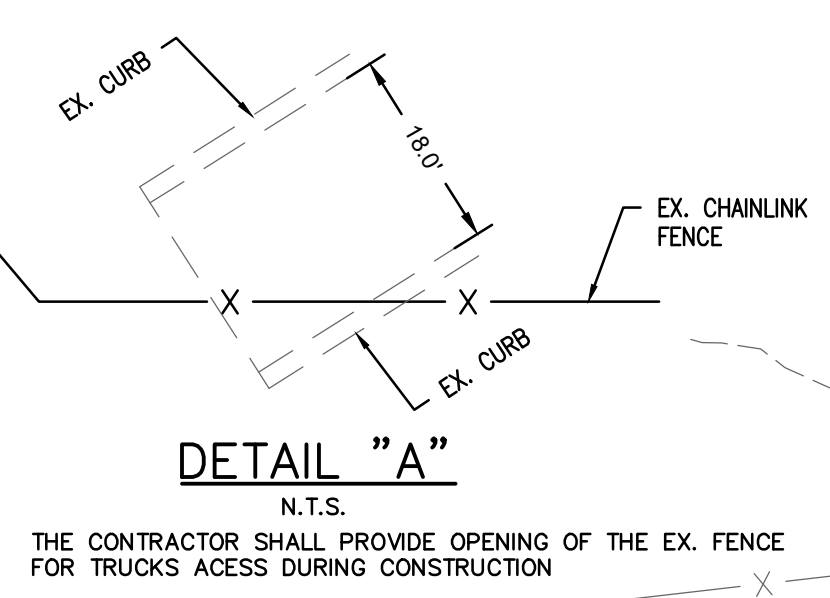
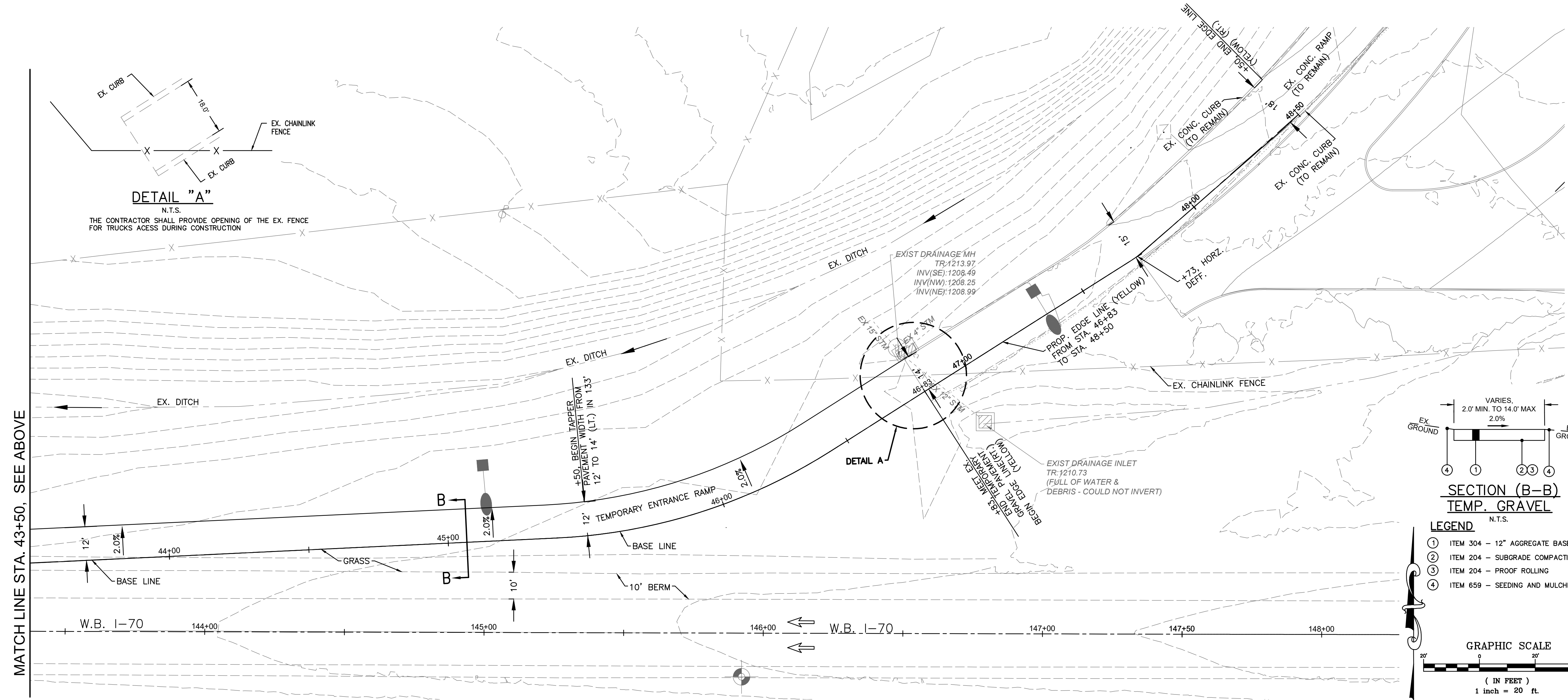
SECTION LINES

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

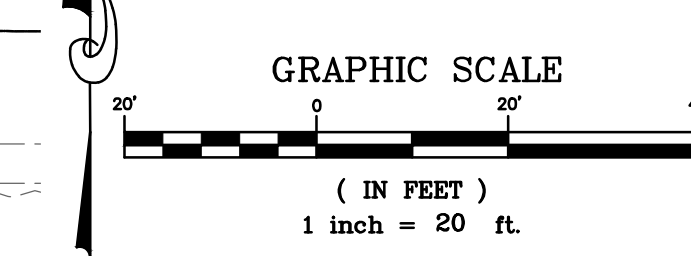
SHEET
C.104



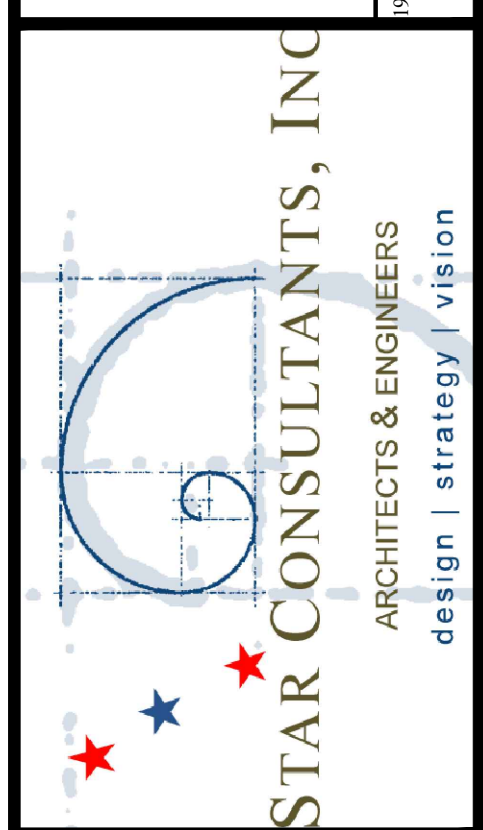
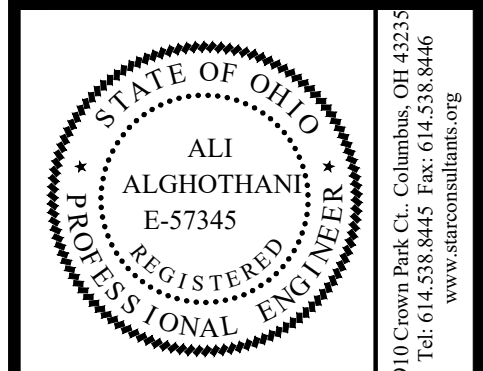
MATCH LINE STA. 43+50, SEE BELOW



- LEGEND**
N.T.S.
- ① ITEM 304 - 12" AGGREGATE BASE
 - ② ITEM 204 - SUBGRADE COMPACTION
 - ③ ITEM 204 - PROOF ROLLING
 - ④ ITEM 659 - SEEDING AND MULCHING



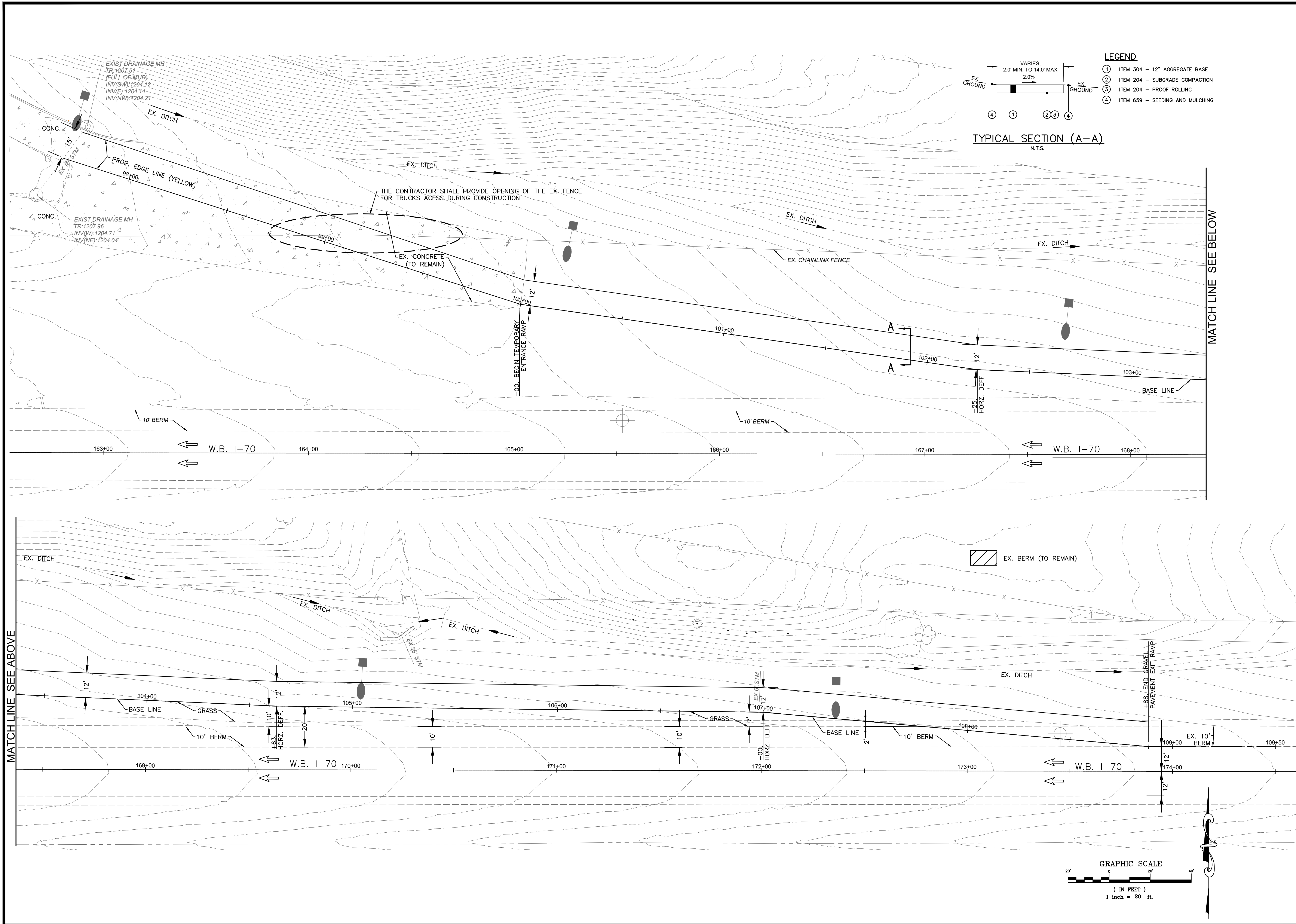
REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



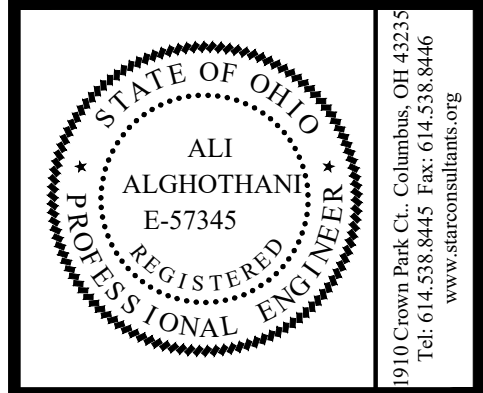
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY GRAVEL ENTRANCE RAMP PLAN

PJT #: 25009
 DATE: 10/24/2025
 DRN. BY: OS
 DGN. BY: AM
 REV. BY: AA

SHEET
C.105



REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET

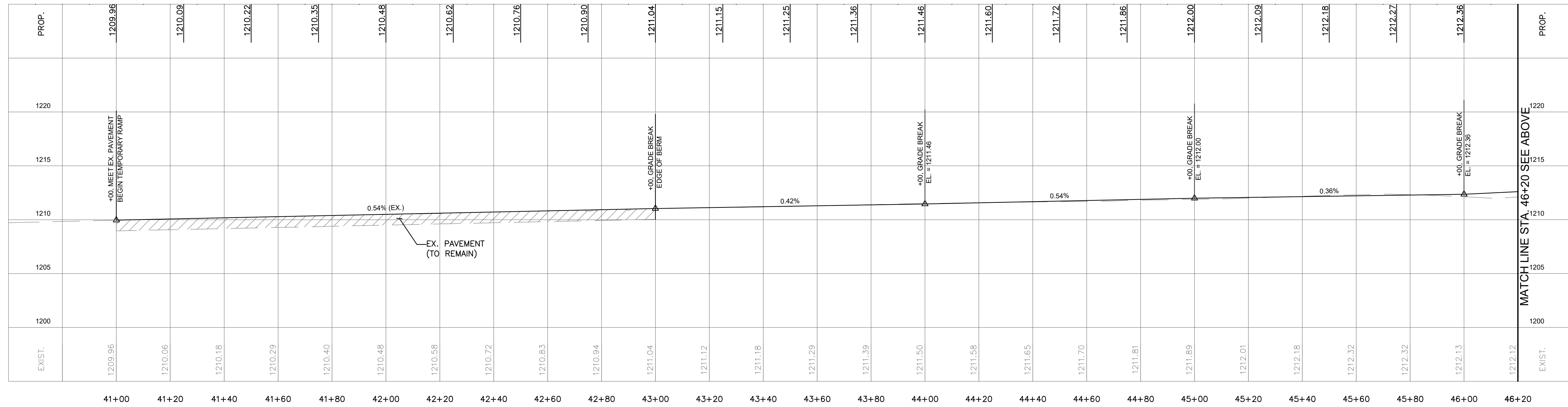


STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

1000 Cowan Park Ct., Columbus, OH 43235
Tel: 614.538.8445 Fax: 614.538.8446
www.starconsultantsinc.com

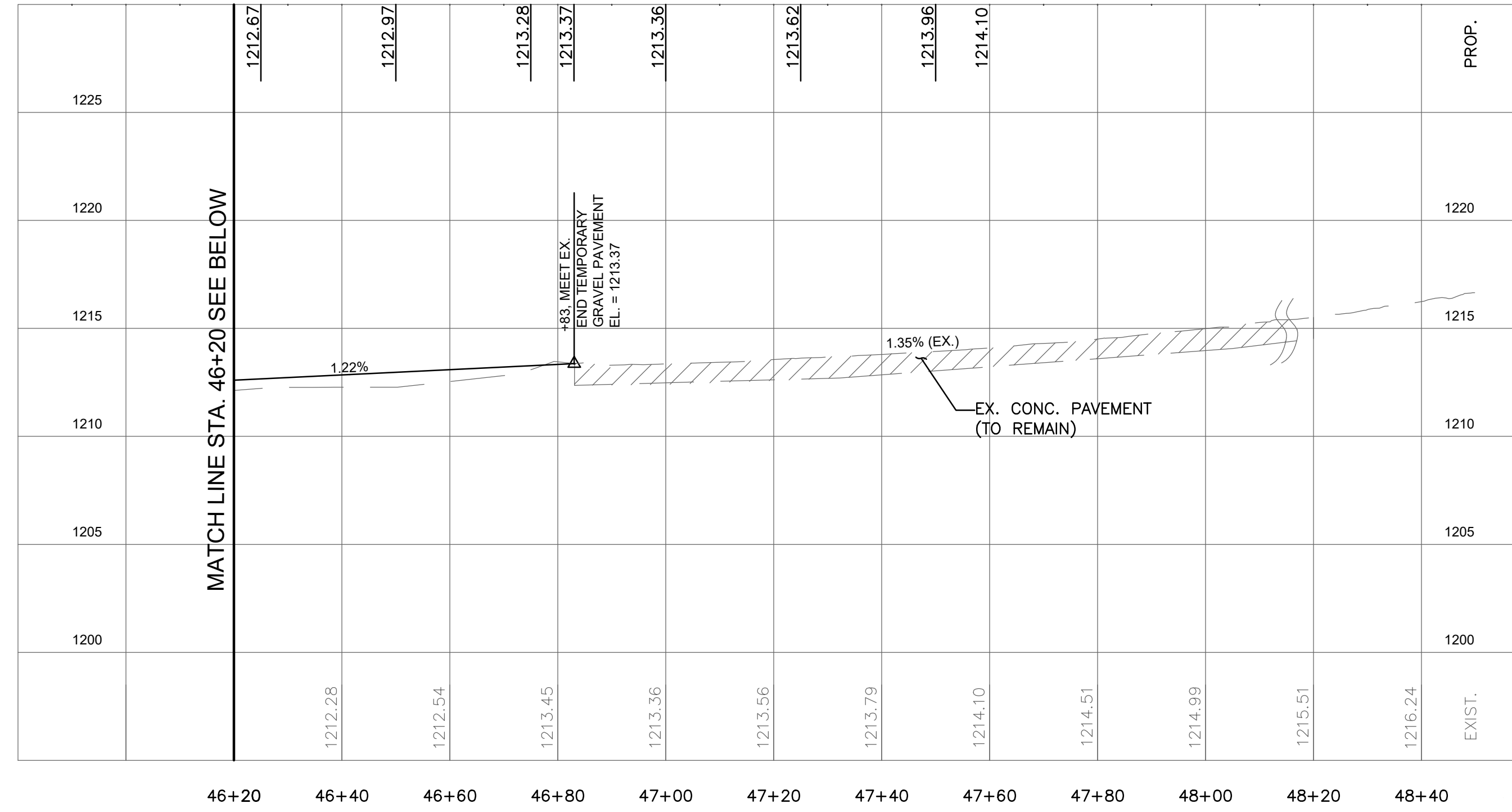
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY GRAVEL EXIT RAMP PLAN

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA
SHEET	C.106



PROP. TEMPORARY GRAVEL ENTRANCE RAMP

HORIZONTAL : 1" = 20' VERTICAL : 1" = 5'



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY GRAVEL ENTRANCE RAMP PROFILE

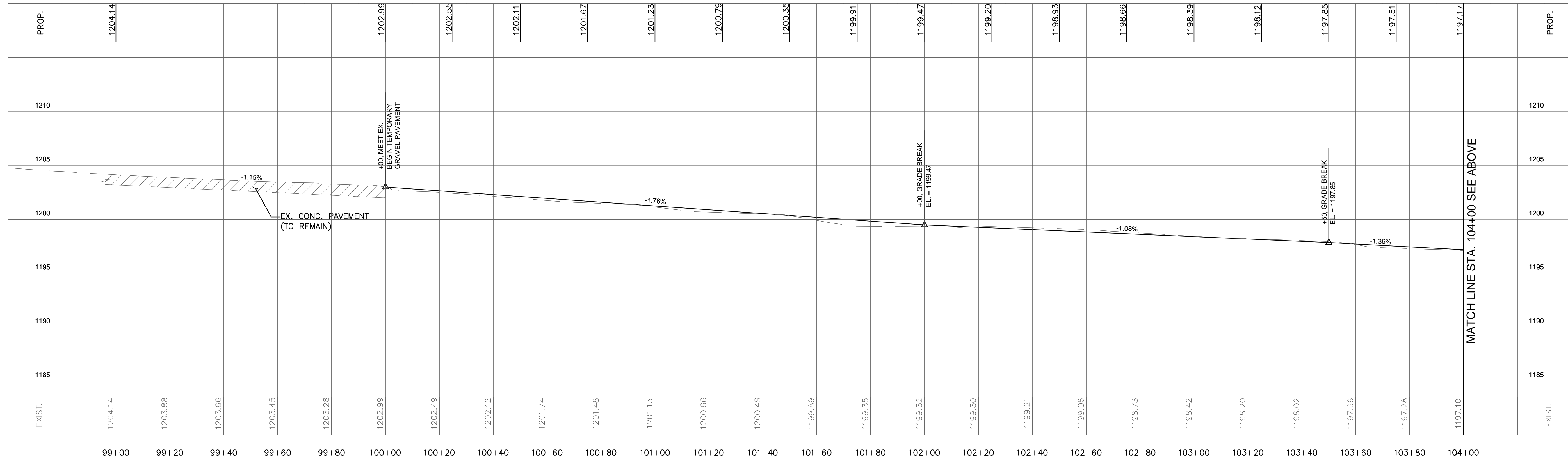
PJT #: 25009
 DATE: 10/24/2025
 DRN. BY: OS
 DGN. BY: AM
 REV. BY: AA

SHEET
C.107

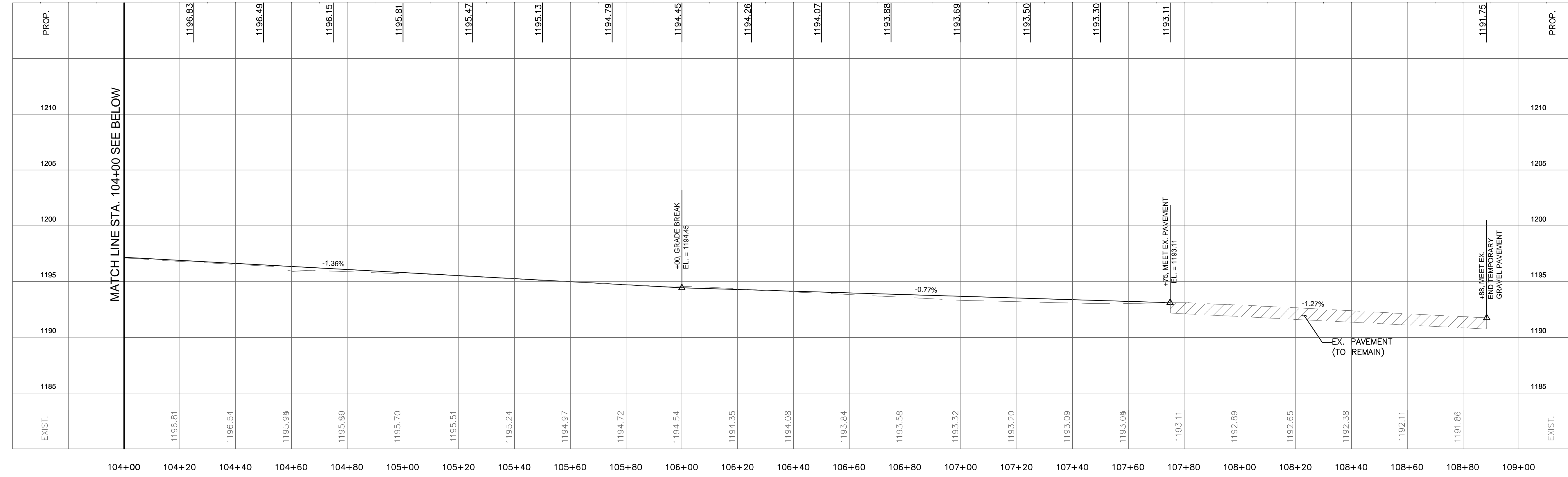


REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET

Star Consultants, Inc.
 8010 Cross Park Ct., Columbus, OH 43235
 Tel: 614.538.8445 Fax: 614.538.8446
 www.starconsultants.org



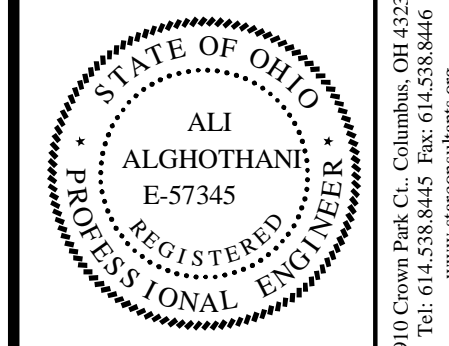
PROP. TEMPORARY GRAVEL EXIT RAMP
 HORIZONTAL : 1" = 20'
 VERTICAL : 1" = 5'



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY GRAVEL EXIT RAMP PROFILE

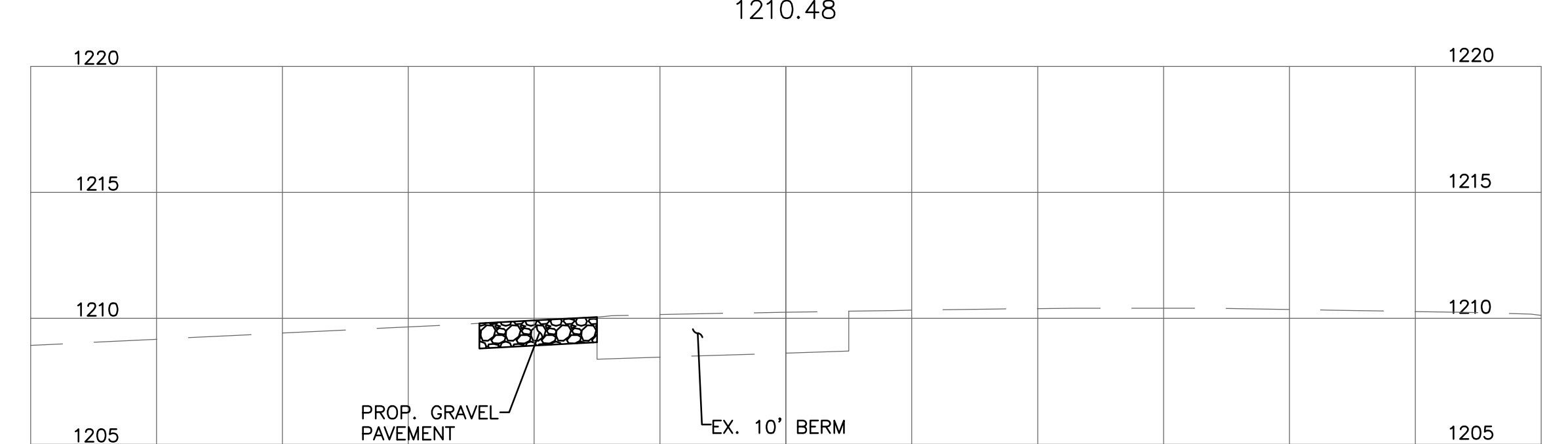
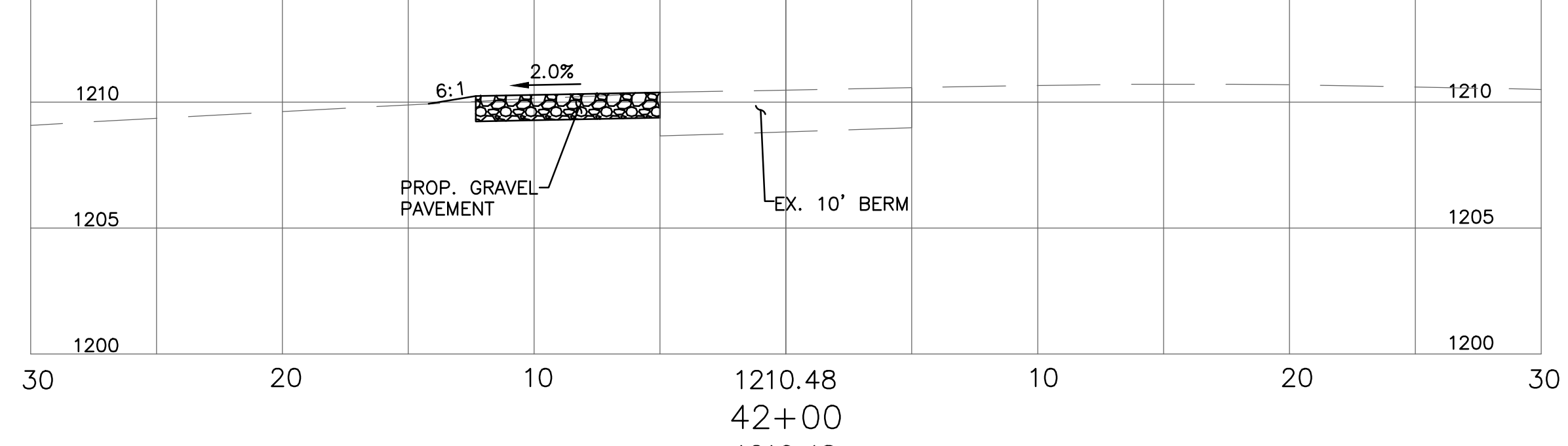
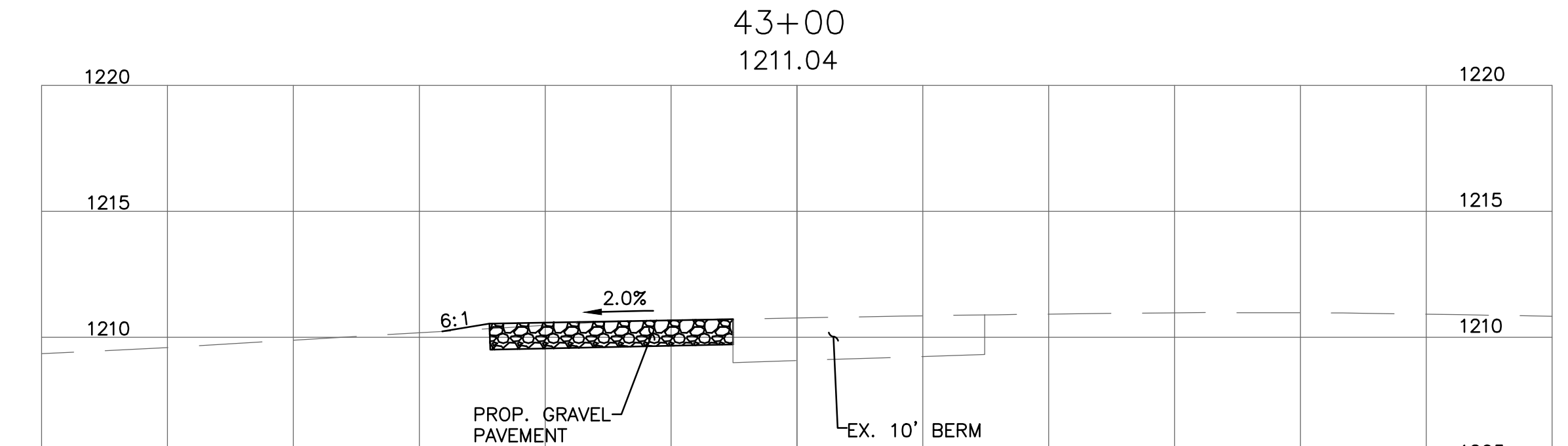
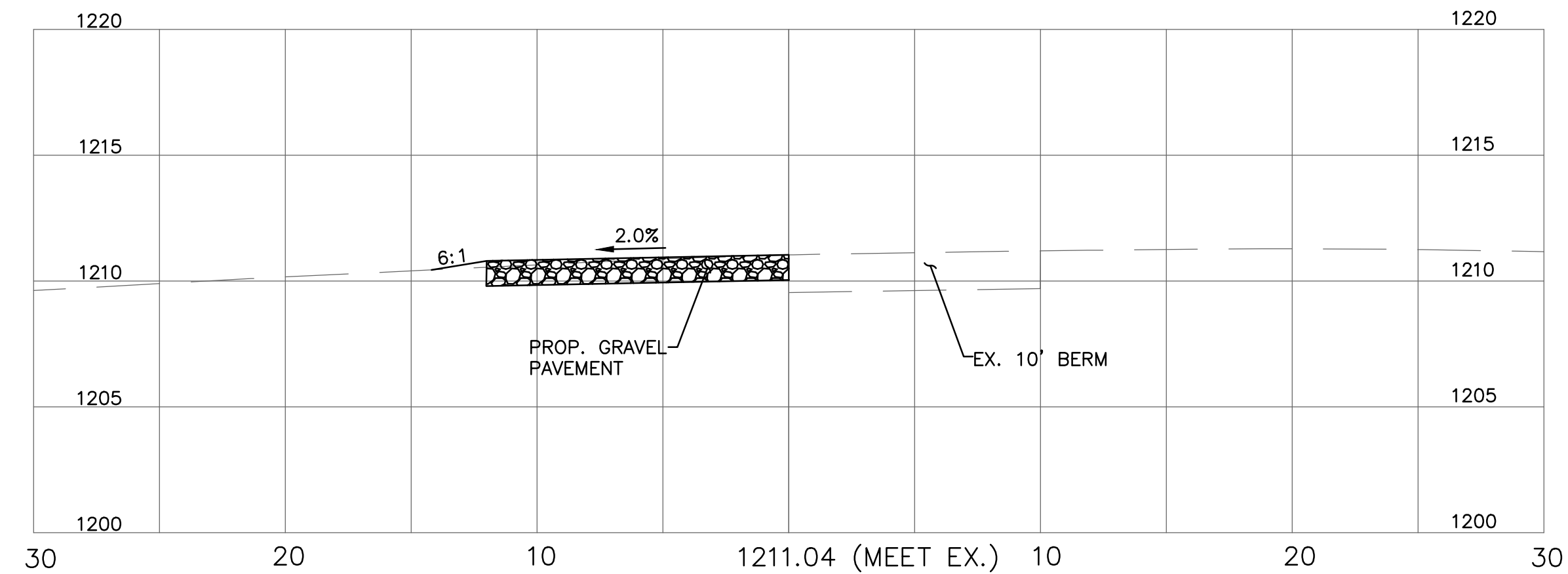
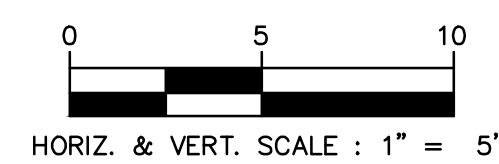
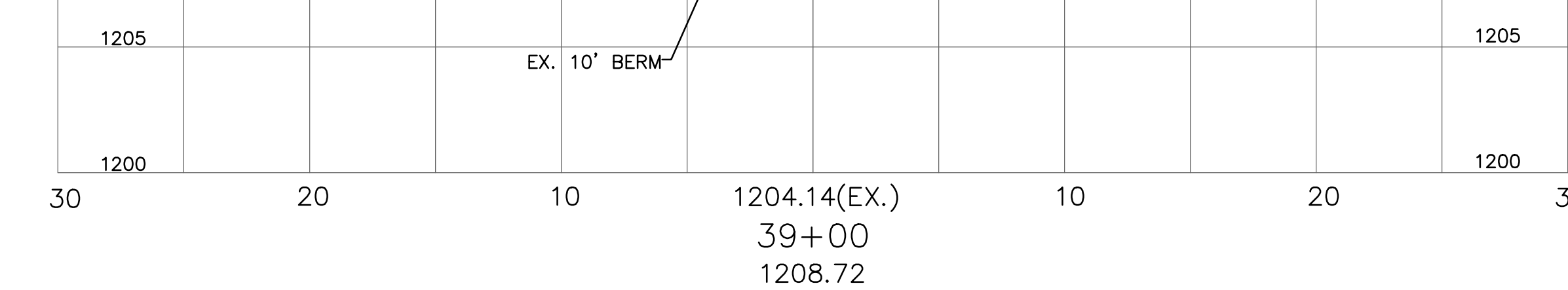
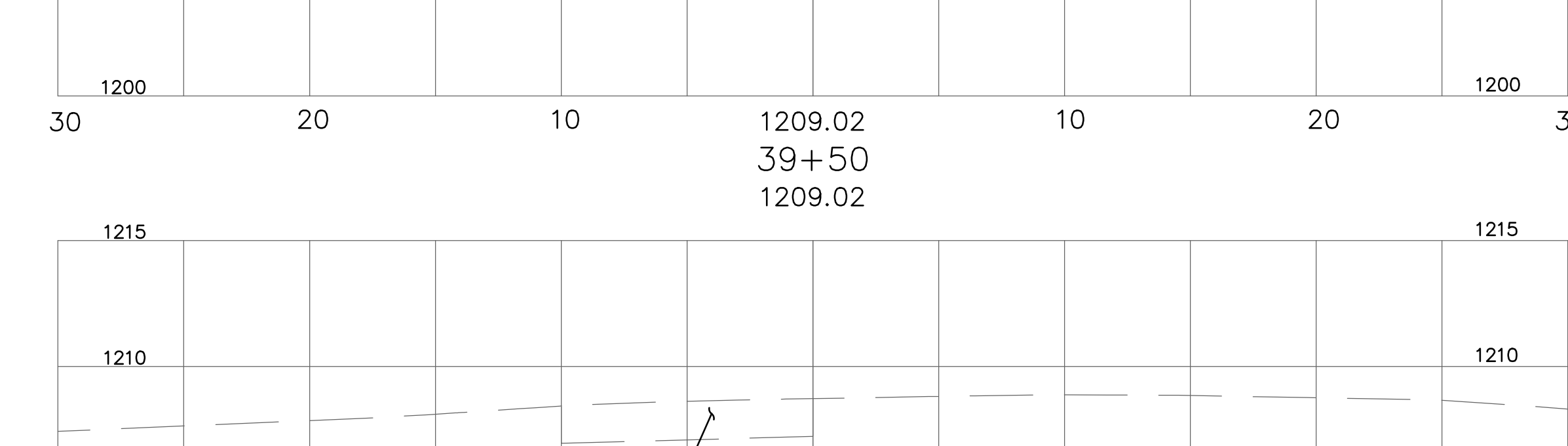
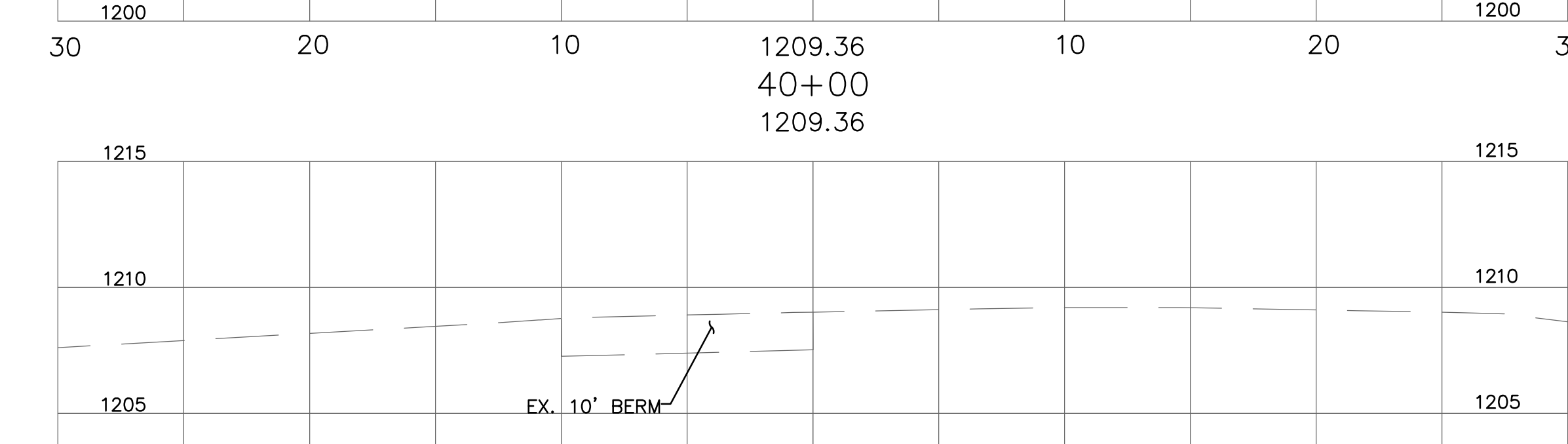
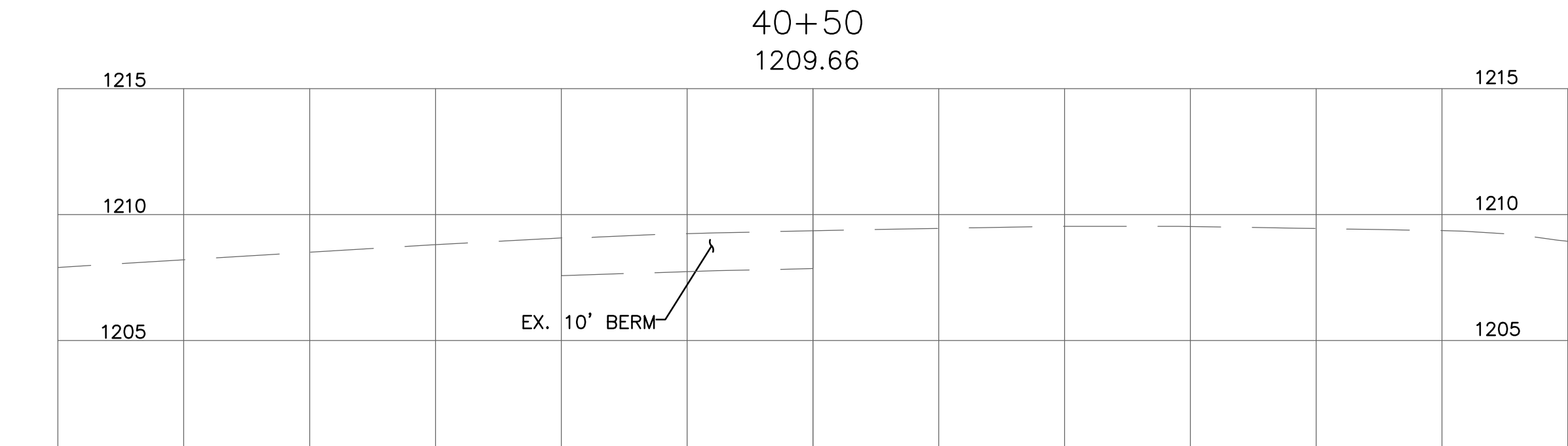
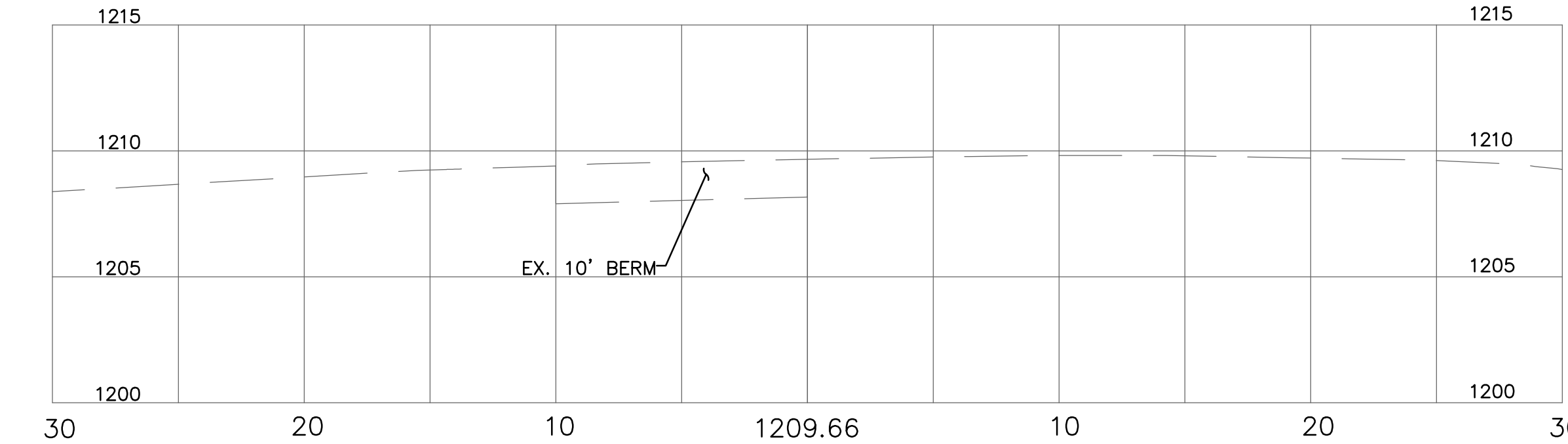
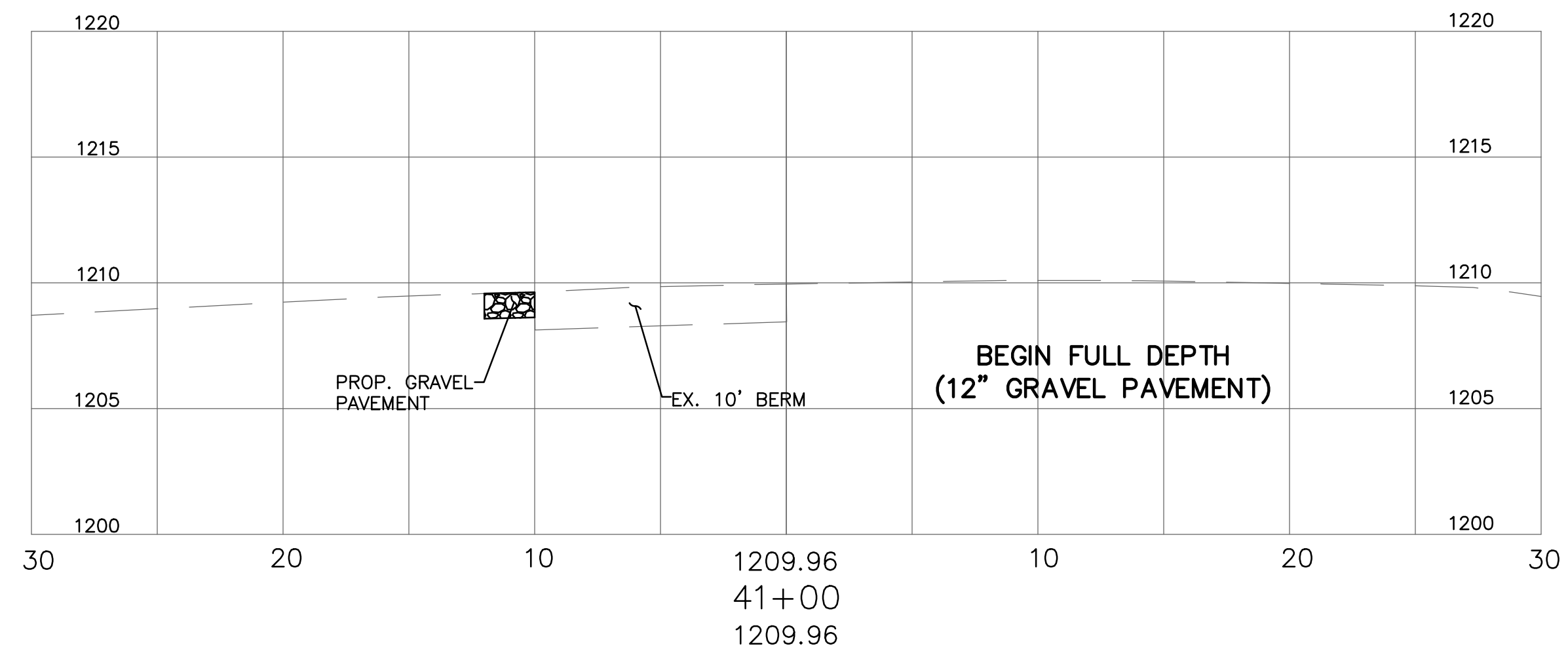
PJT #: 25009
 DATE: 10/24/2025
 DRN. BY: OS
 DGN. BY: AM
 REV. BY: AA

SHEET
C.108

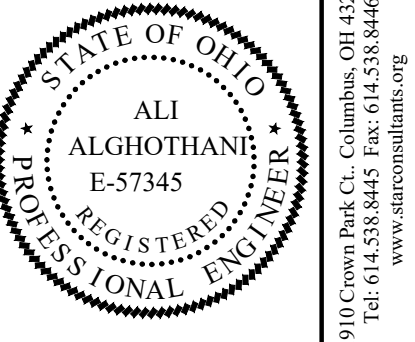


REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET

4000 Crown Peak Ct., Columbus, OH 43235
 Tel: 614.538.8445 Fax: 614.538.8444
 www.starconsultants.org



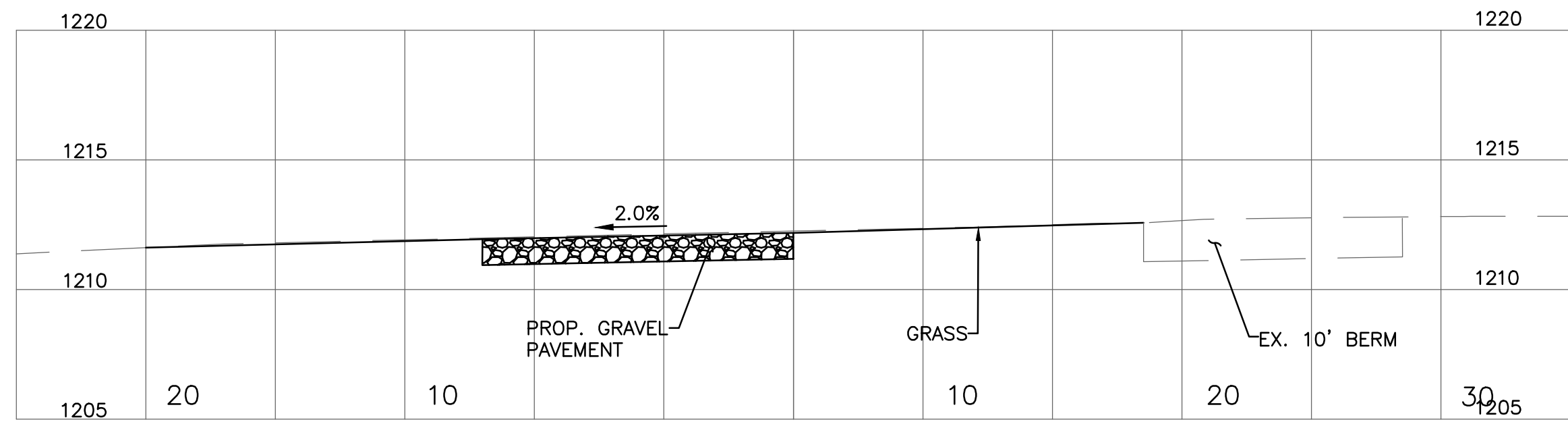
REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



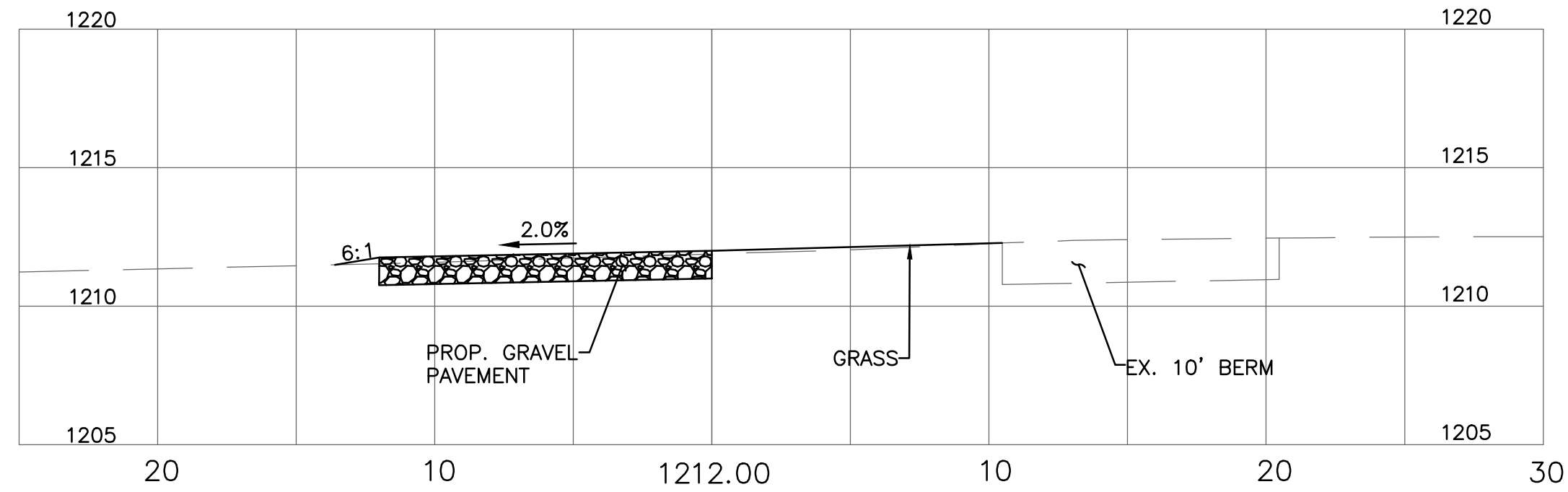
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY ENTRANCE RAMP CROSS SECTIONS

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

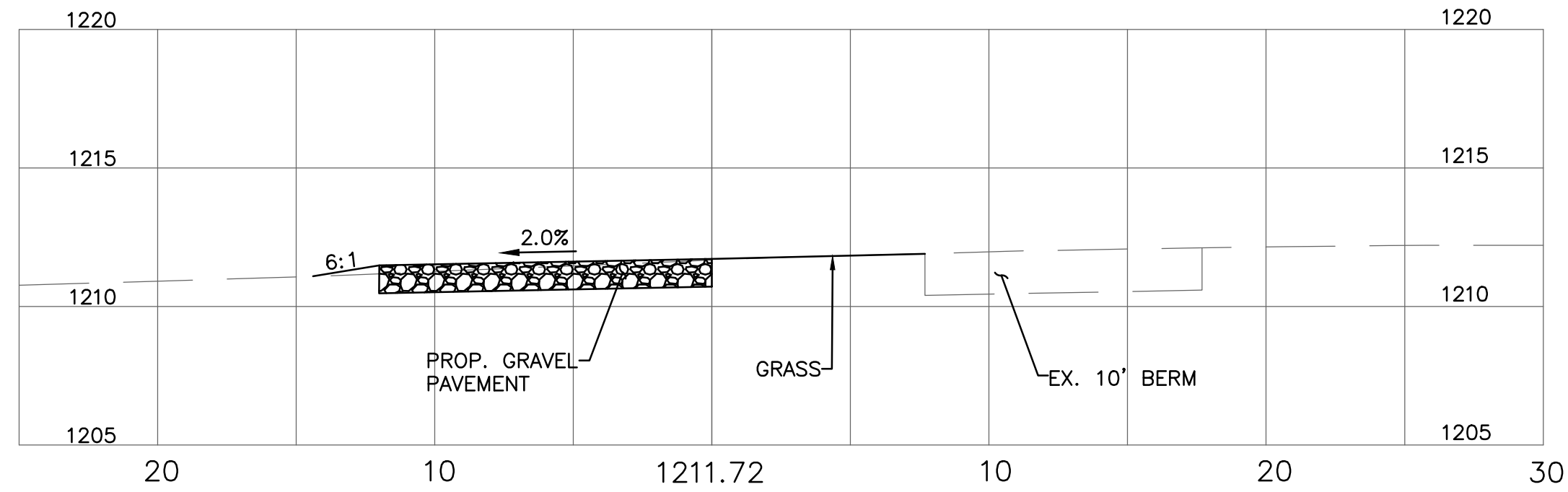
SHEET
C.109



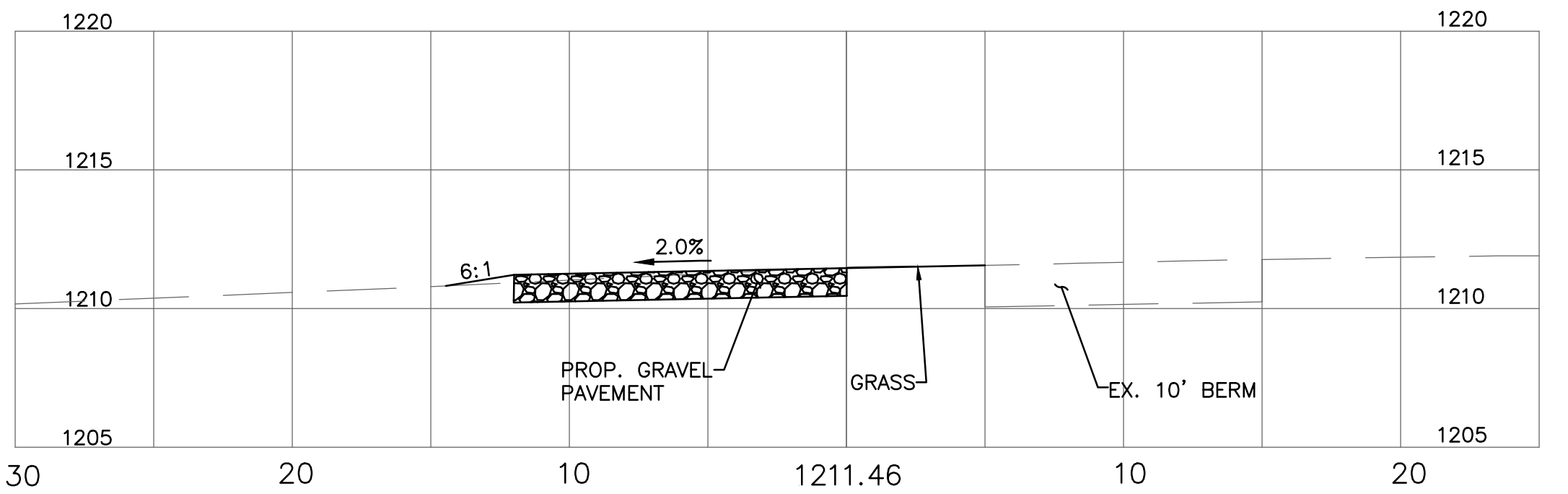
1212.18
45+50
1212.25



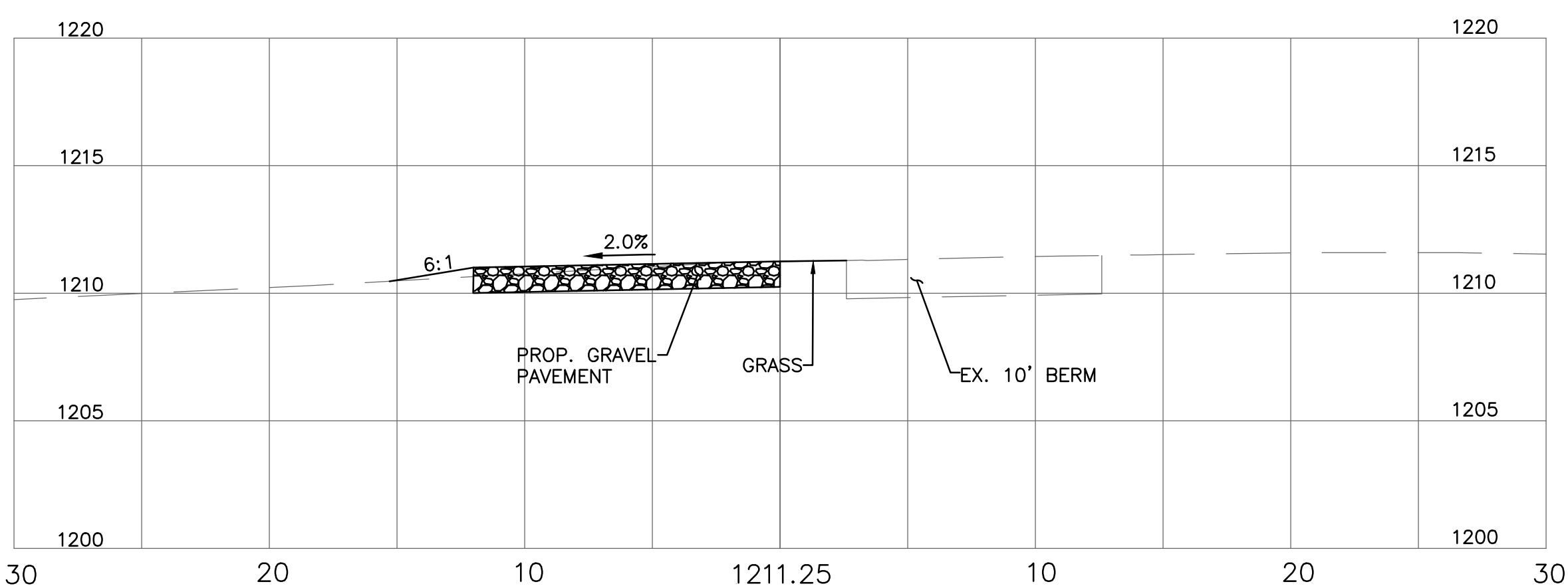
1212.00
45+00
1211.89



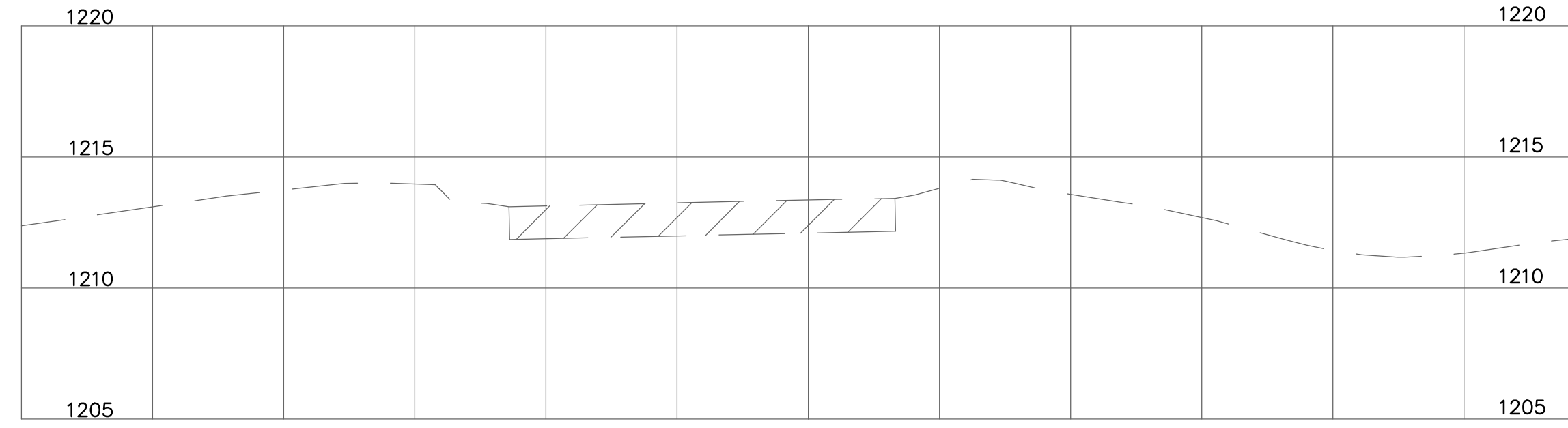
1211.72
44+50
1211.67



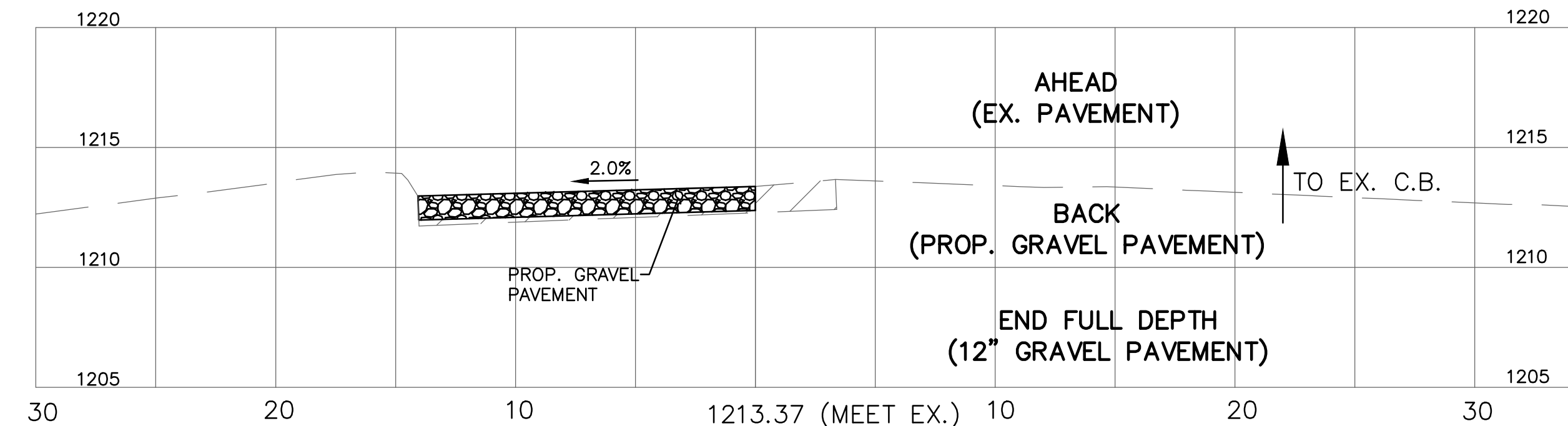
1211.46
44+00
1211.50



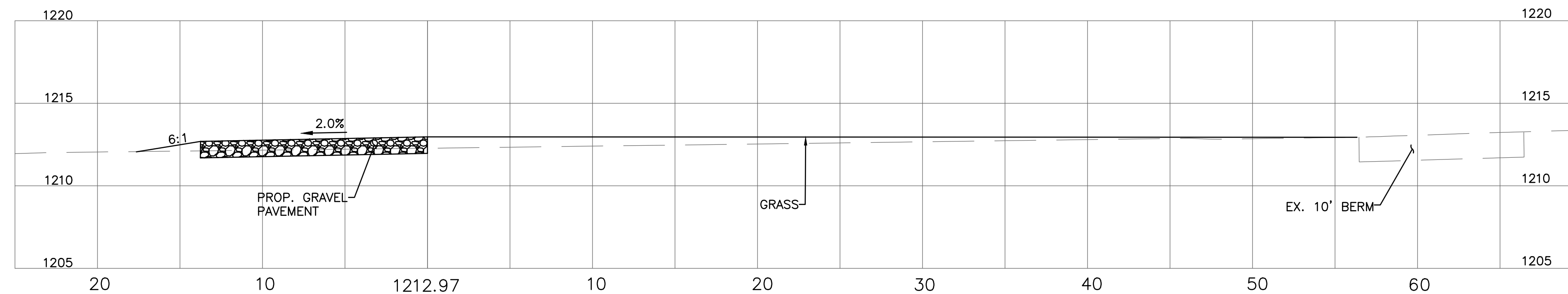
1211.25
43+50
1211.23



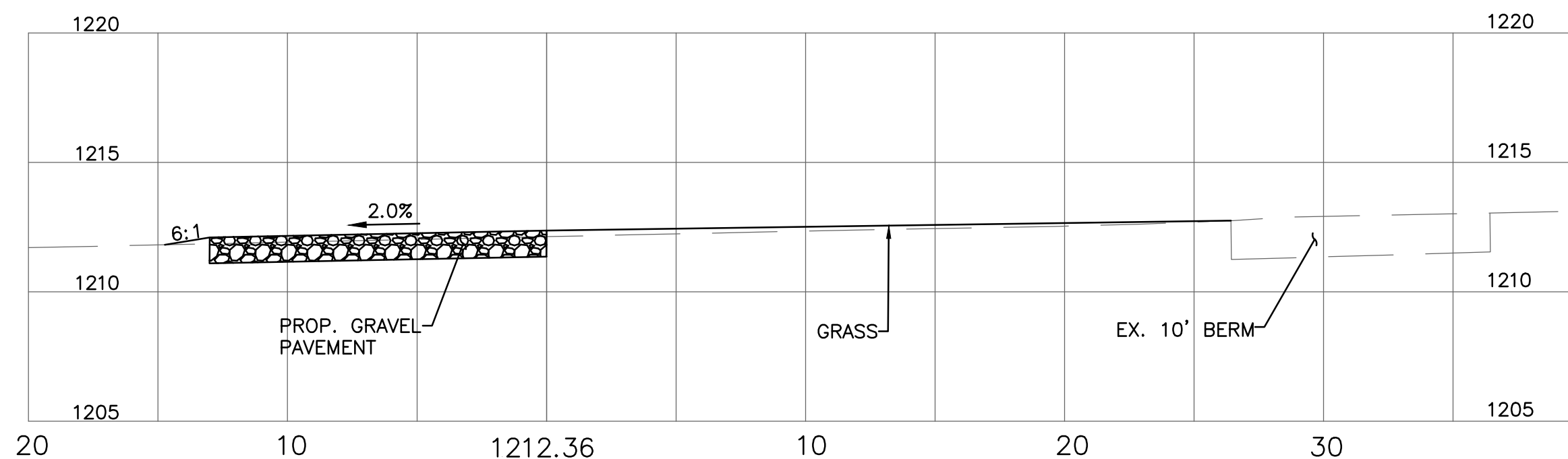
1213.36
47+00
1213.36



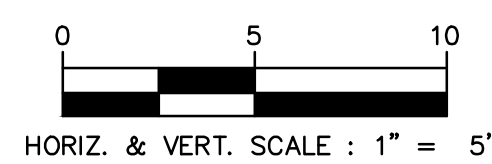
1213.37 (MEET EX.)
46+83
1213.37



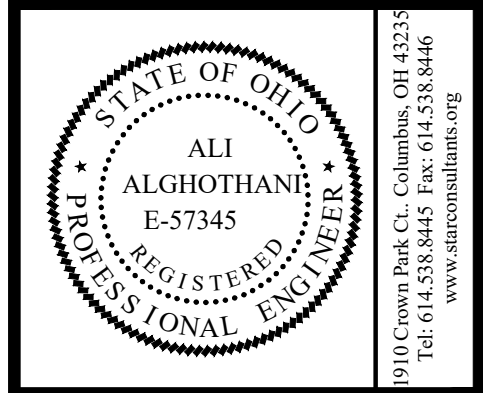
1212.97
46+50
1212.28



1212.36
46+00
1212.13



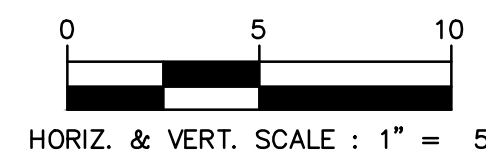
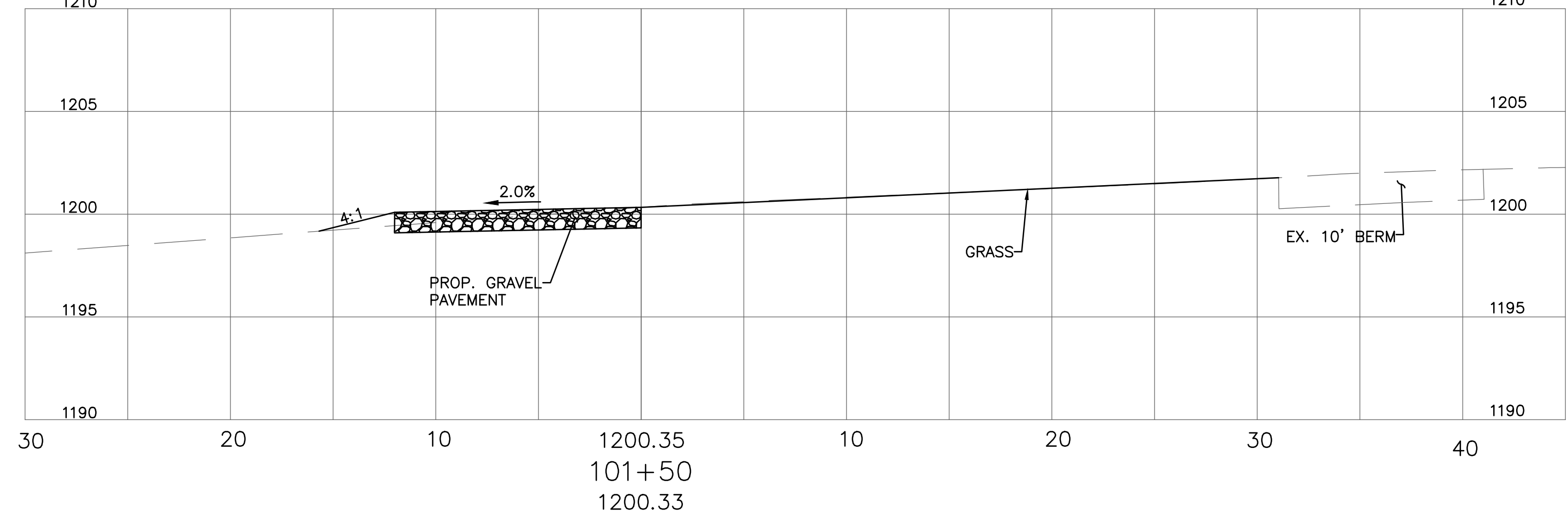
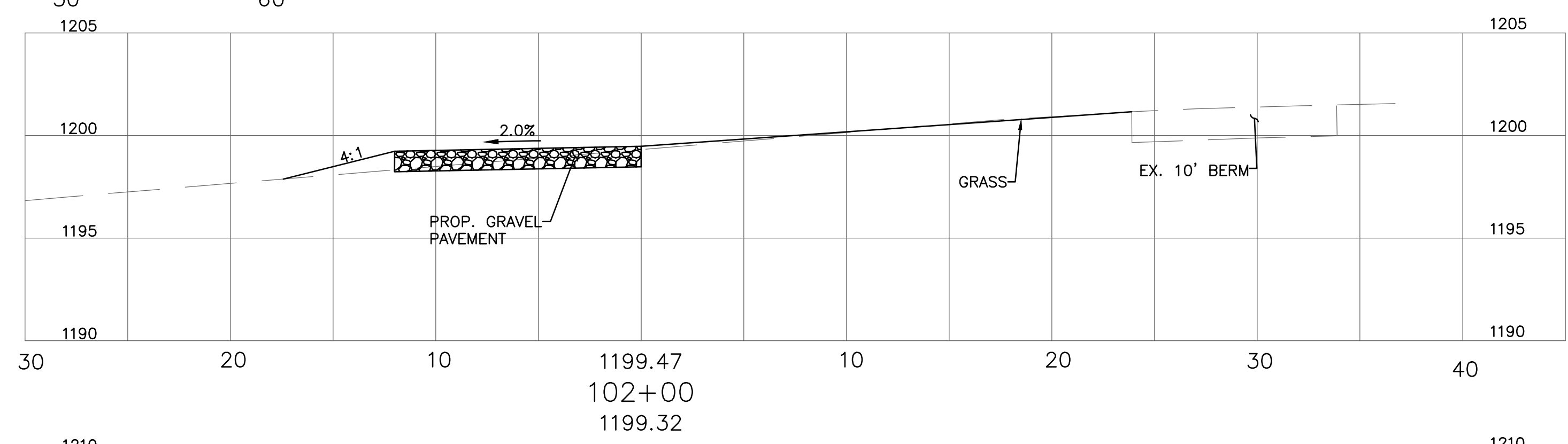
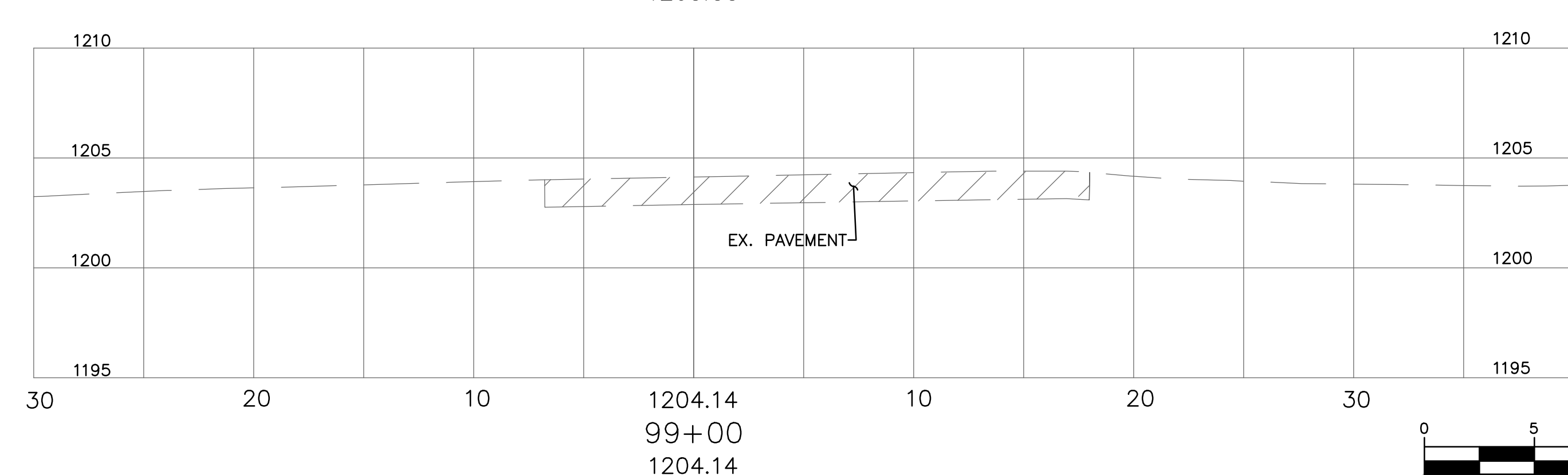
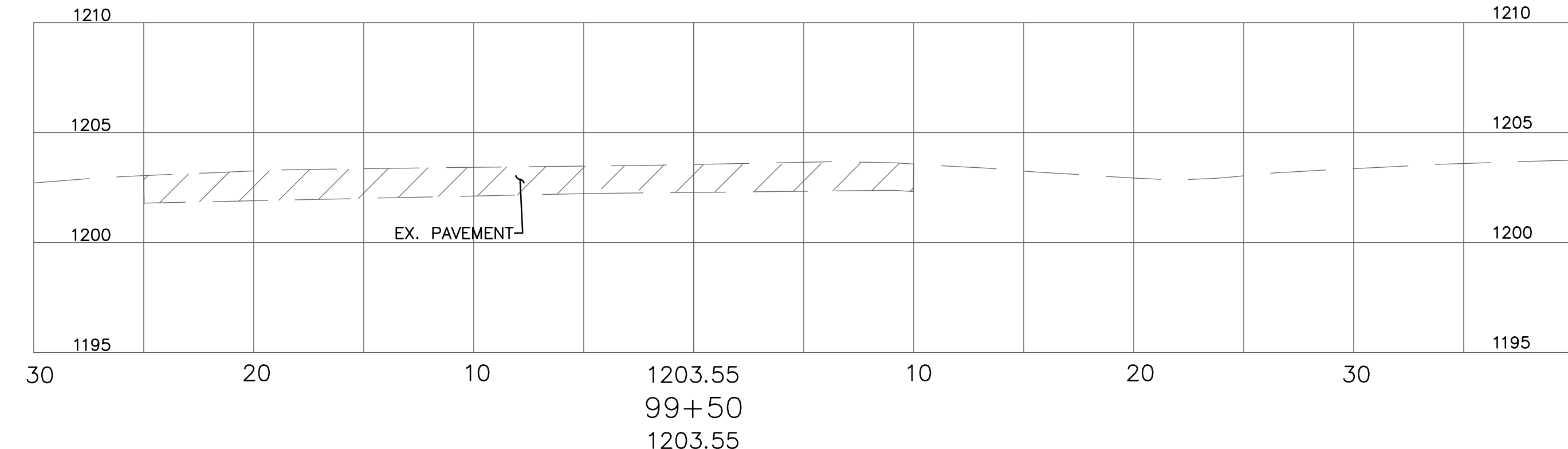
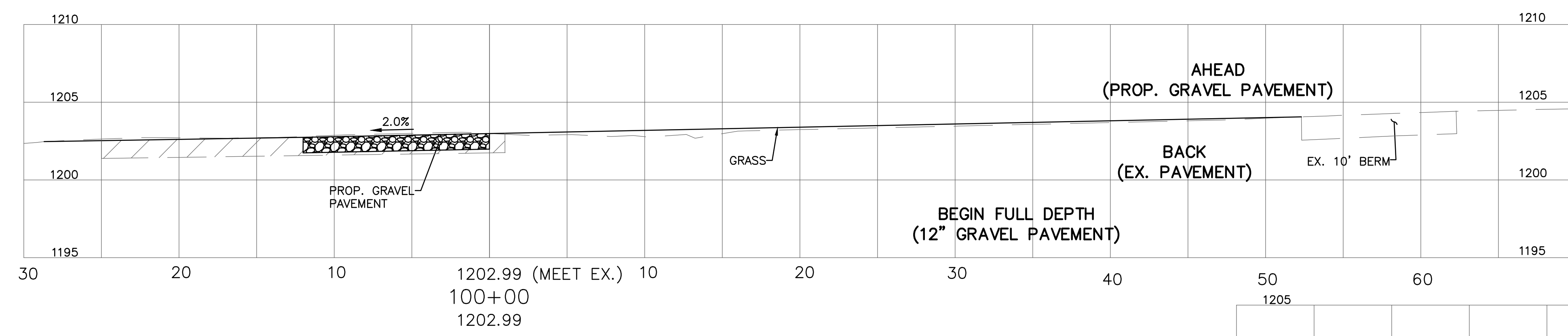
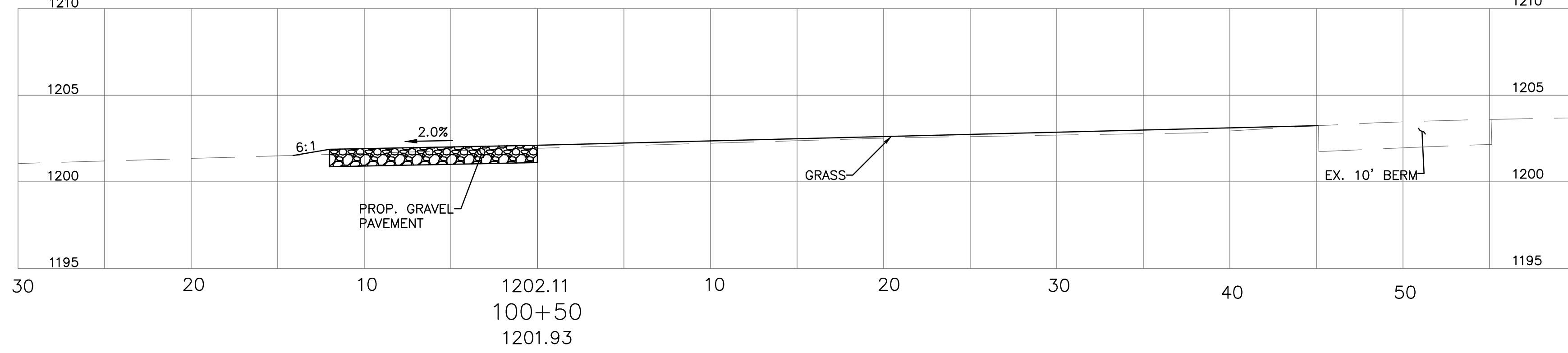
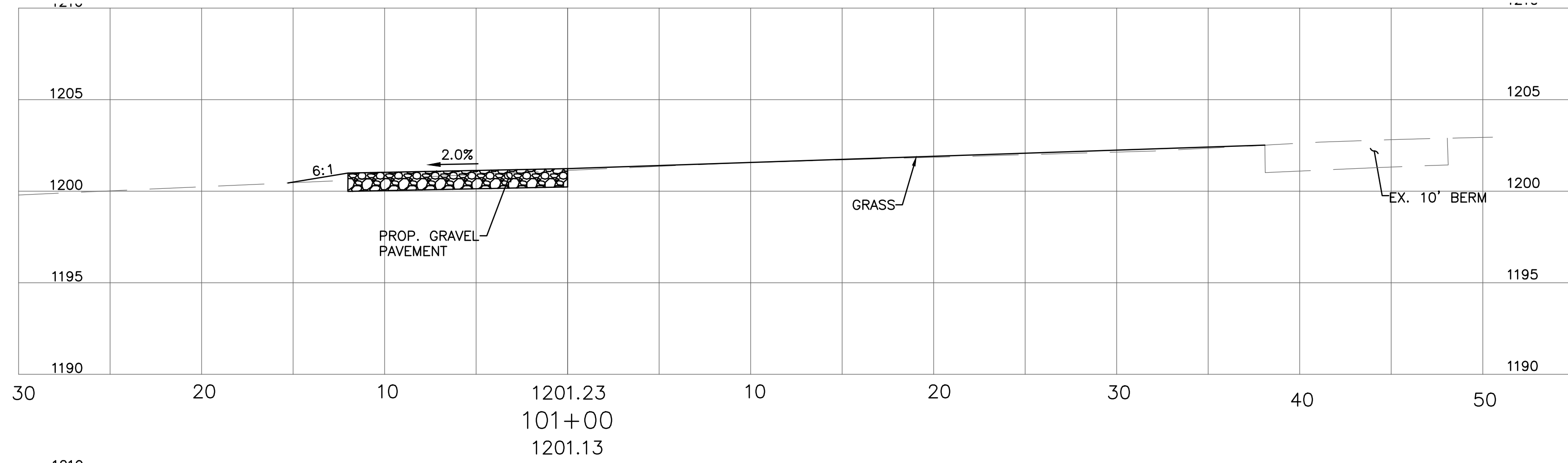
REVISIONS		REMARKS
REV#	DATE	
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



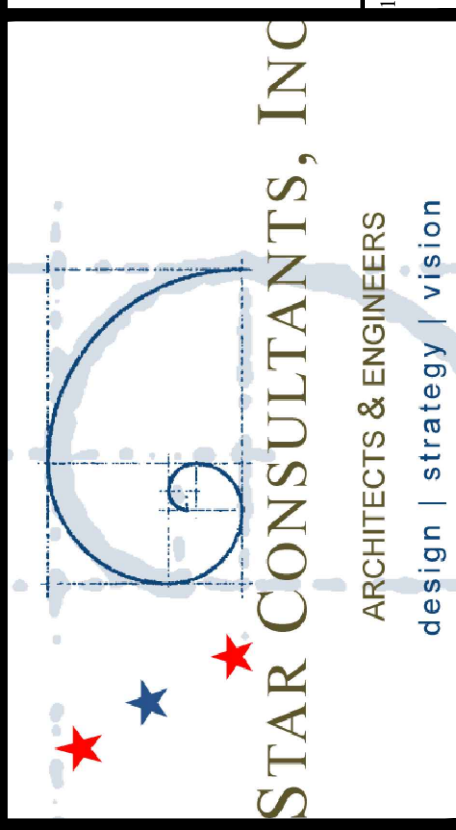
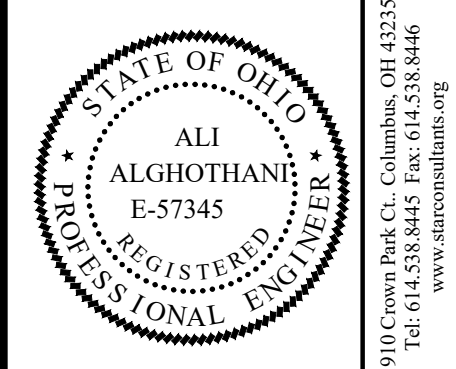
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY ENTRANCE RAMP CROSS SECTIONS

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.110



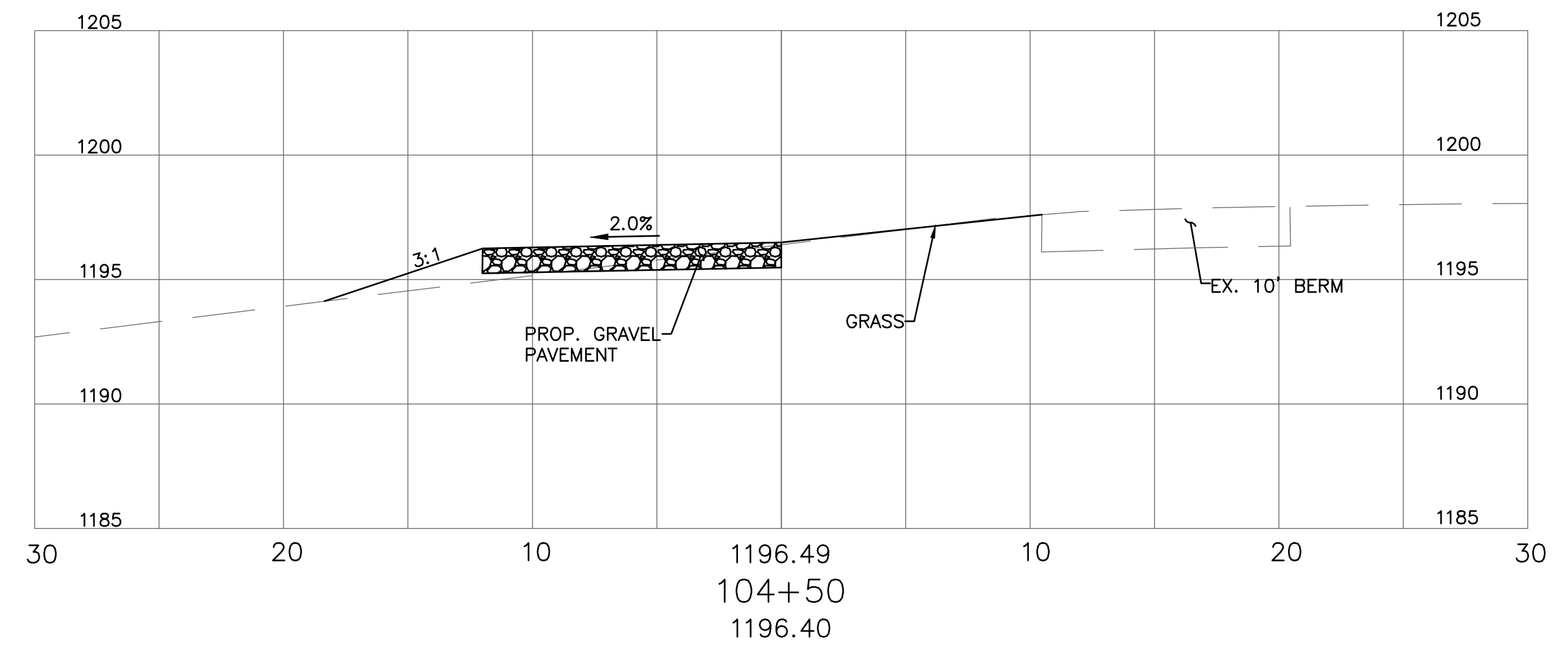
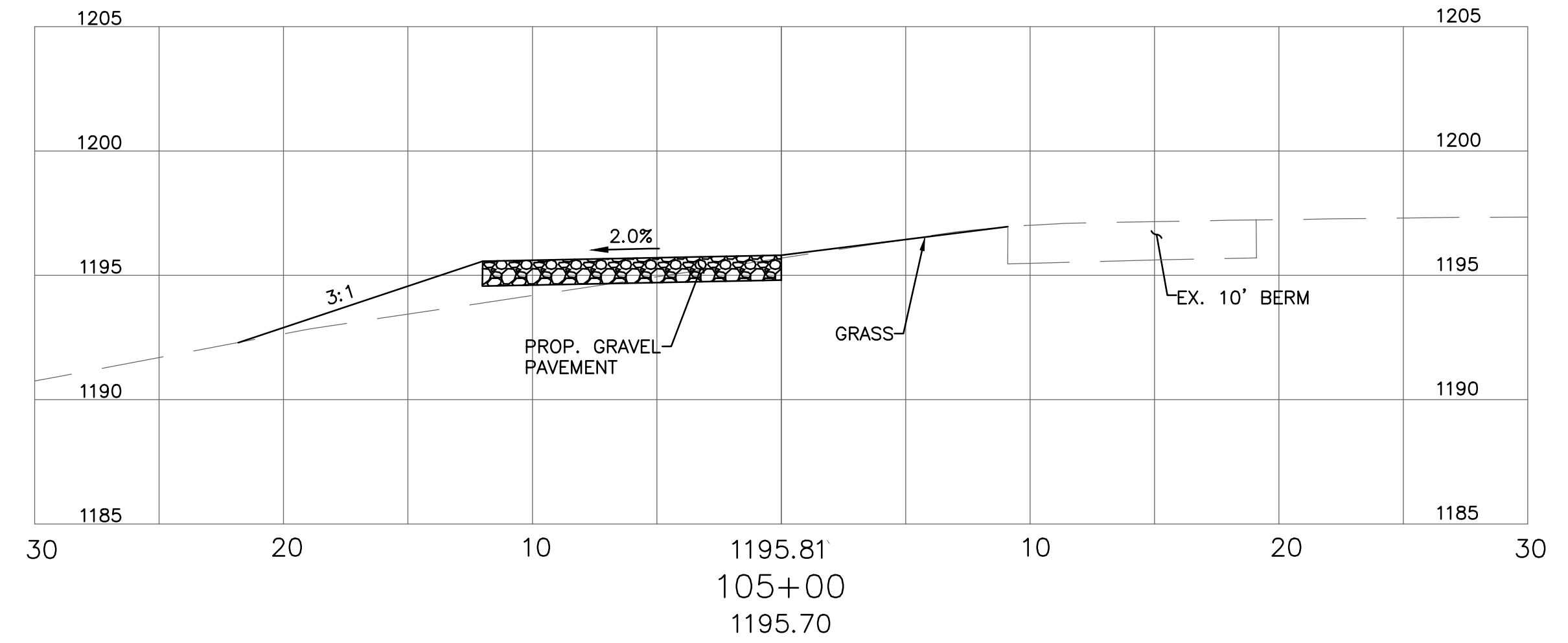
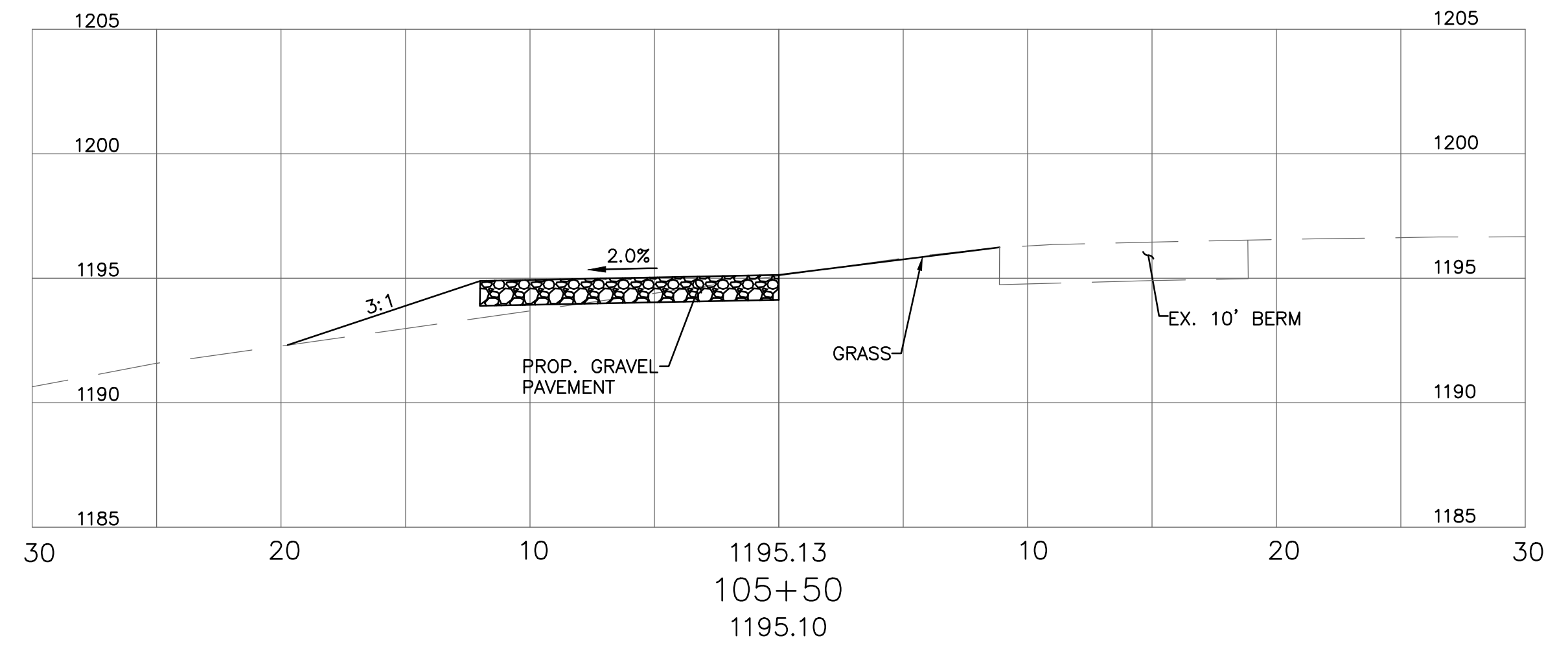
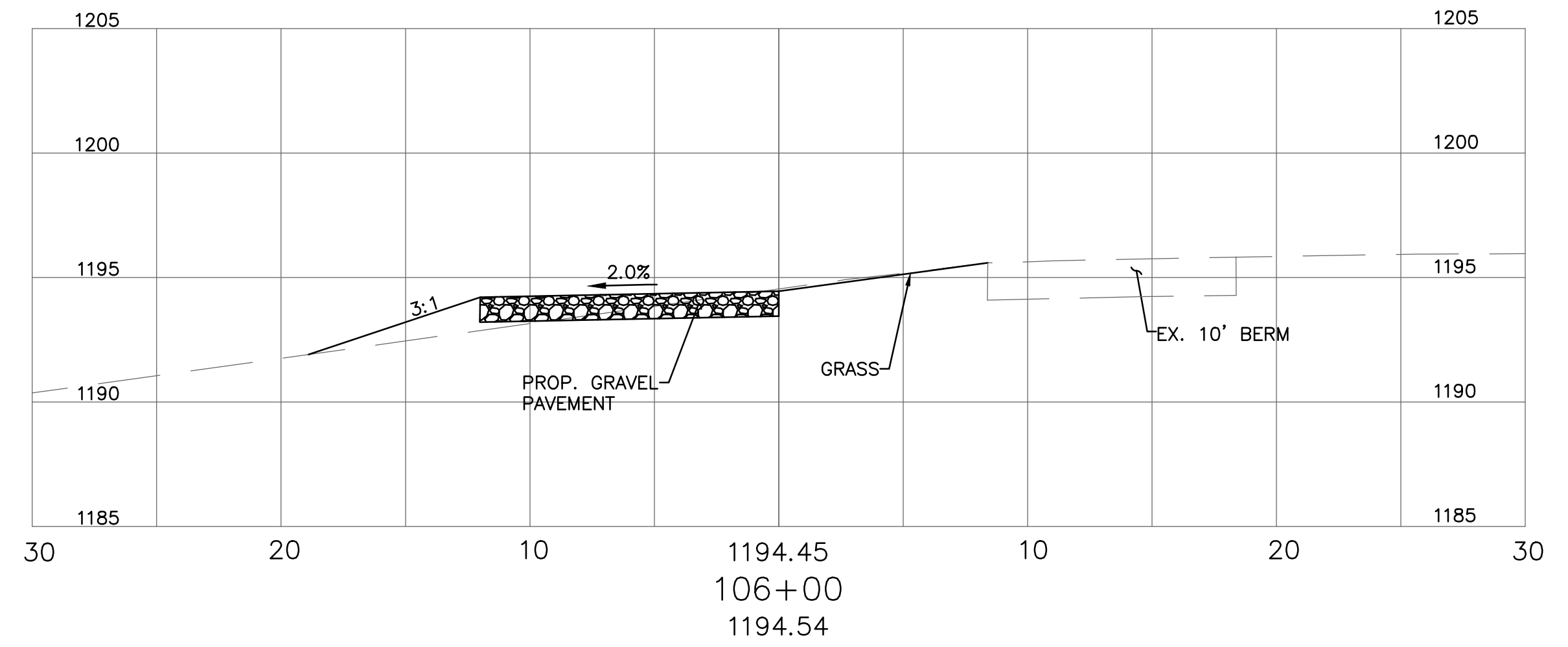
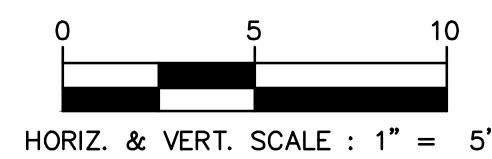
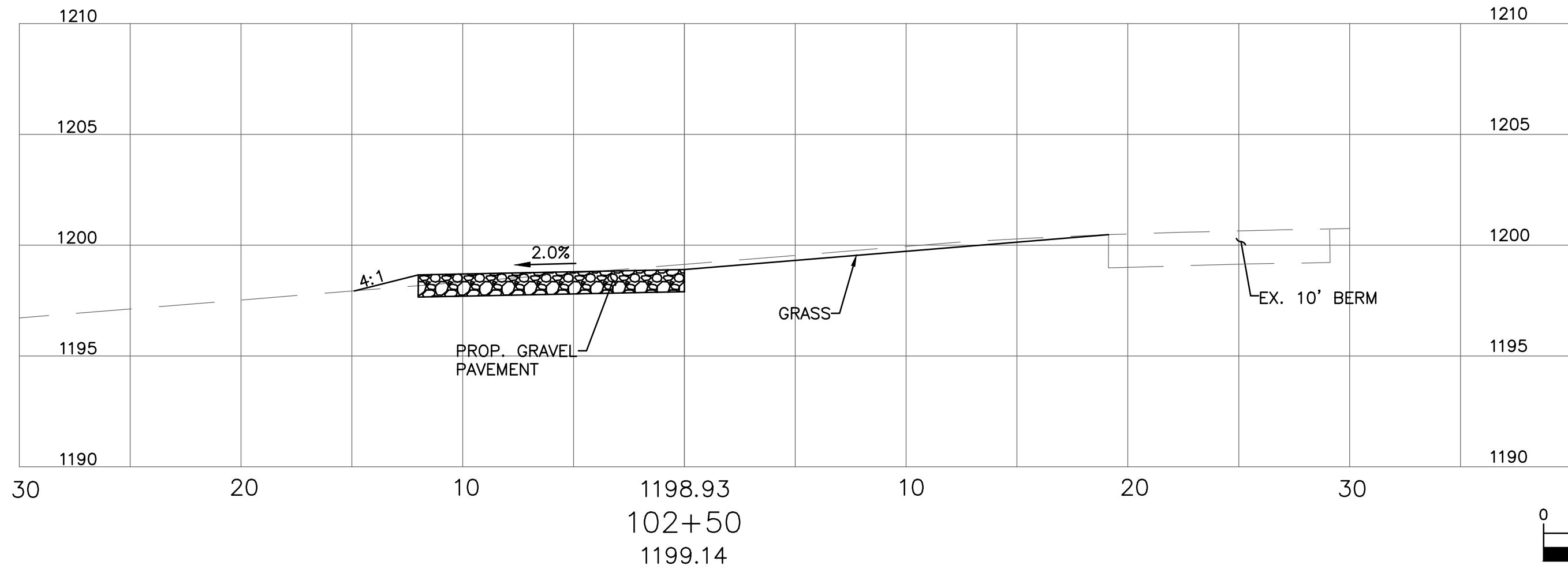
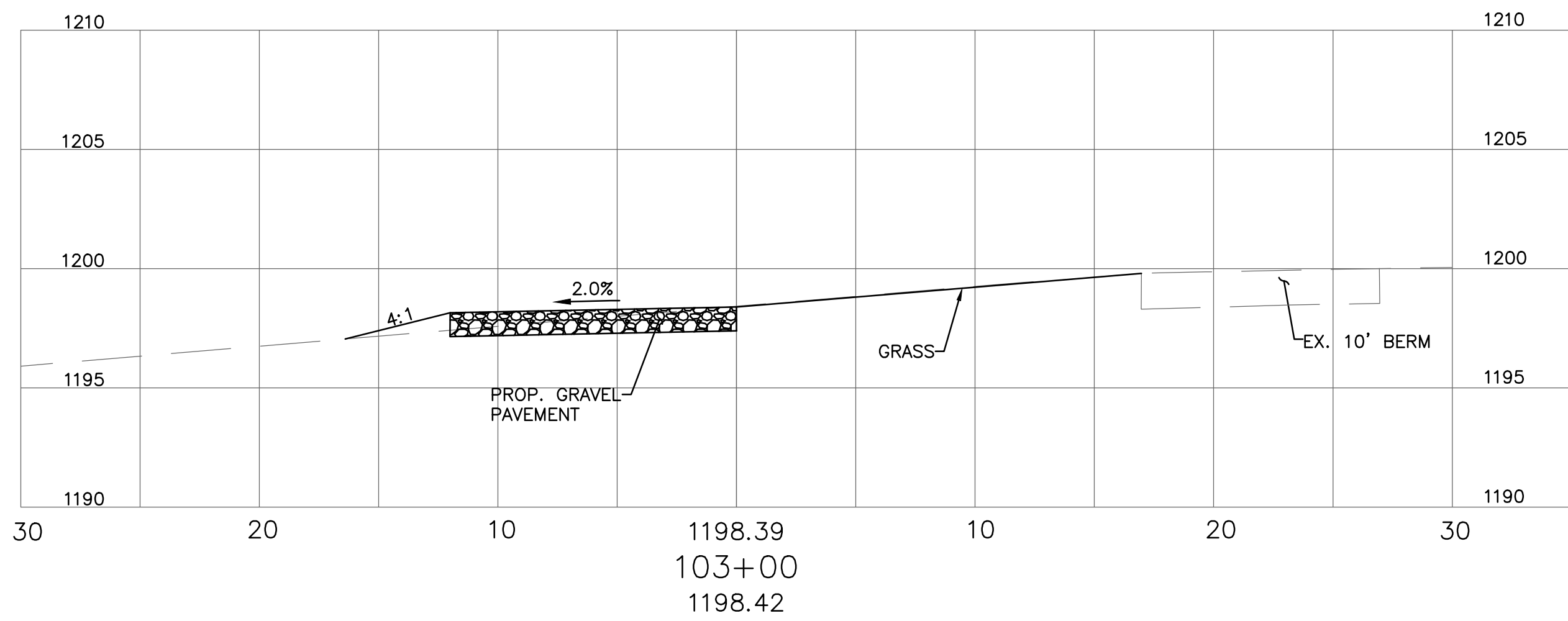
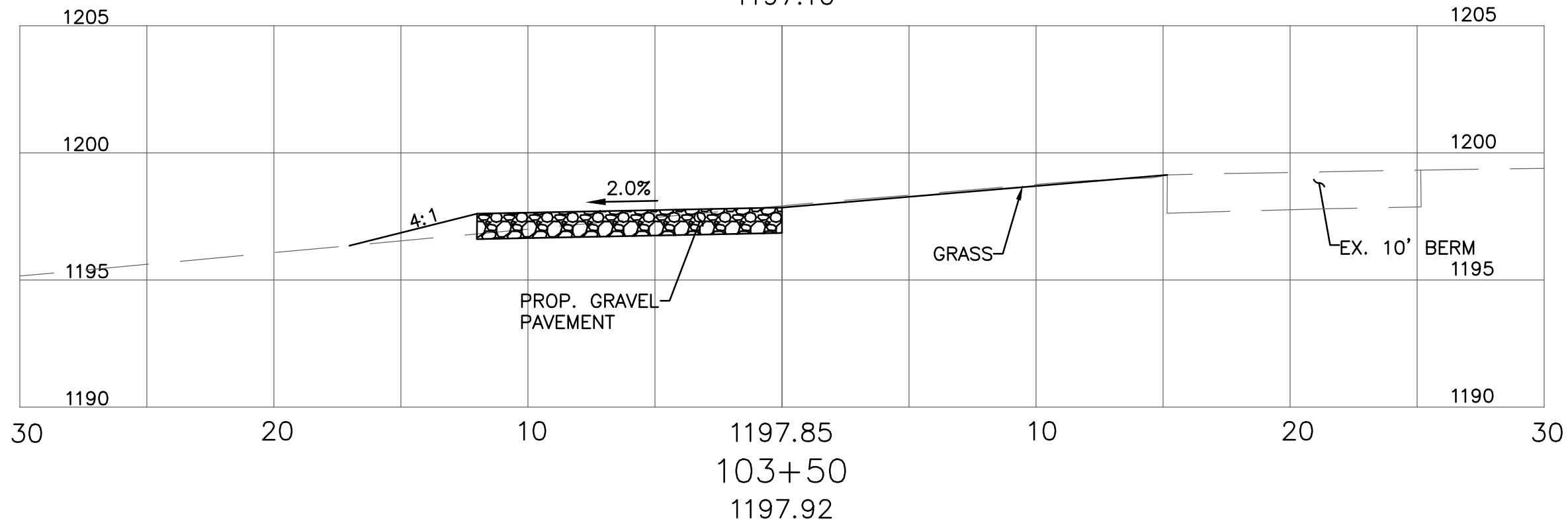
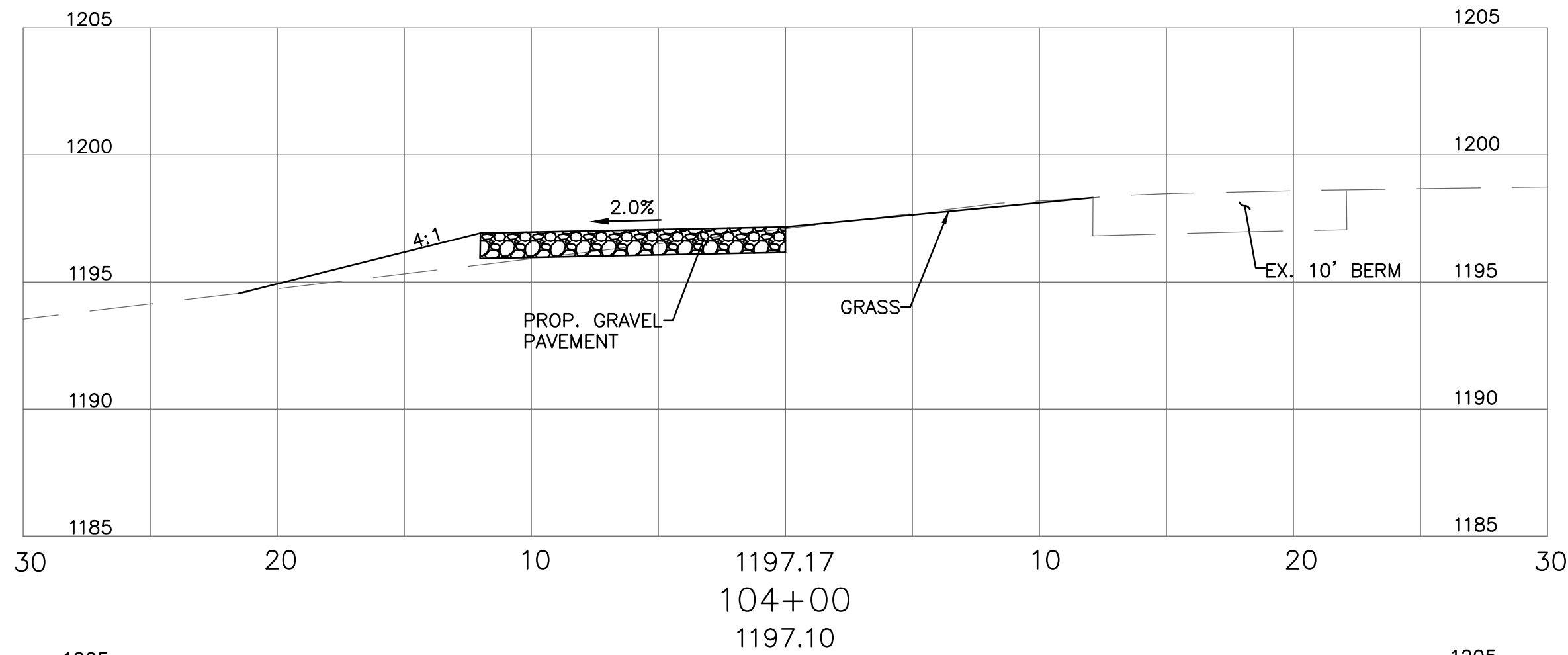
REVISIONS			
REV#	DATE	REMARKS	
01	08/14/2025	SD SET	
02	10/24/2025	CD SET	
03	02/04/2026	BID SET	



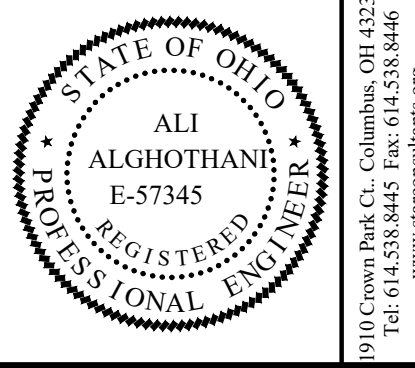
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY EXIT RAMP CROSS SECTIONS

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.111



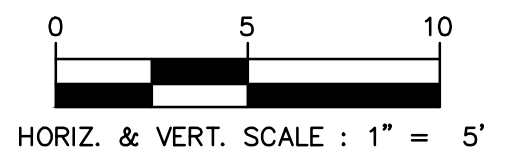
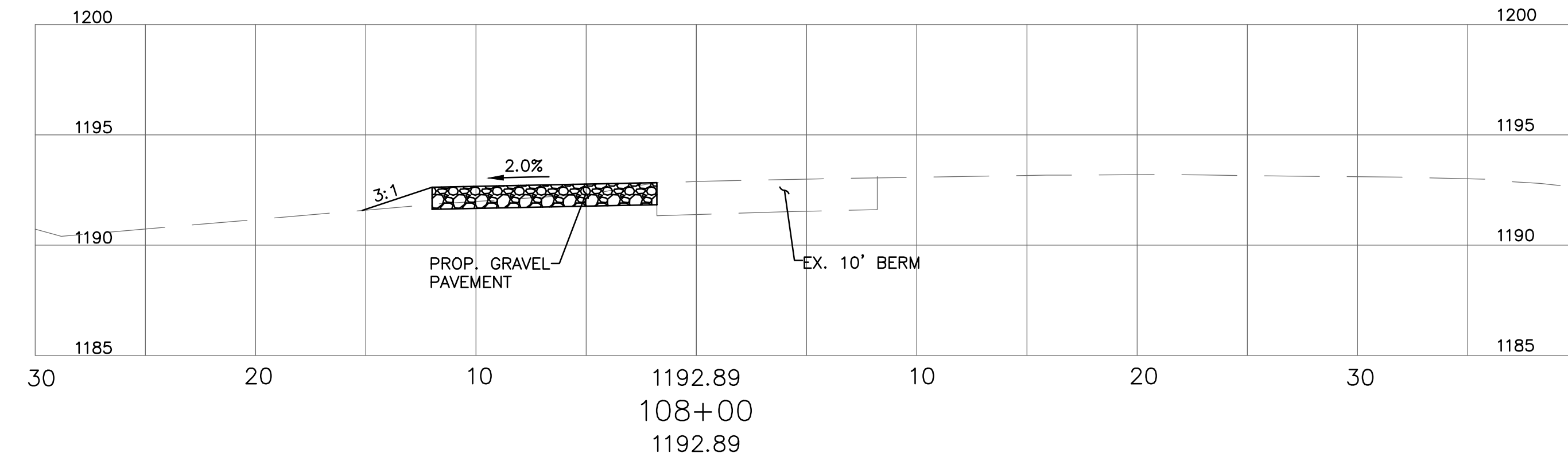
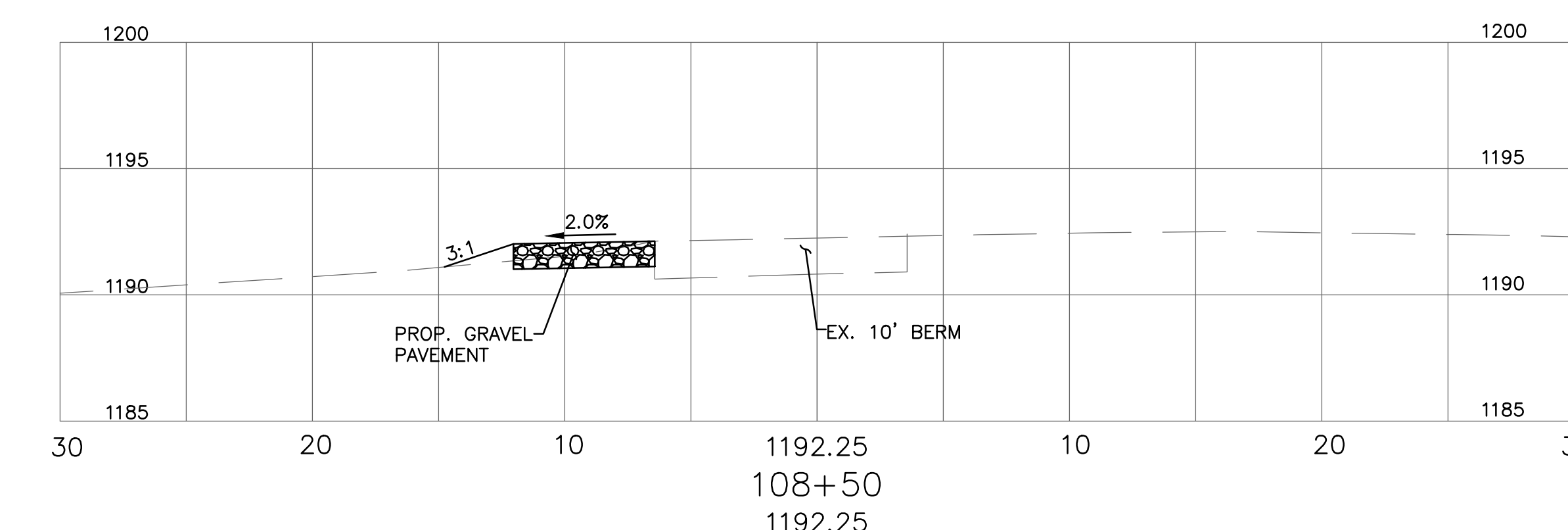
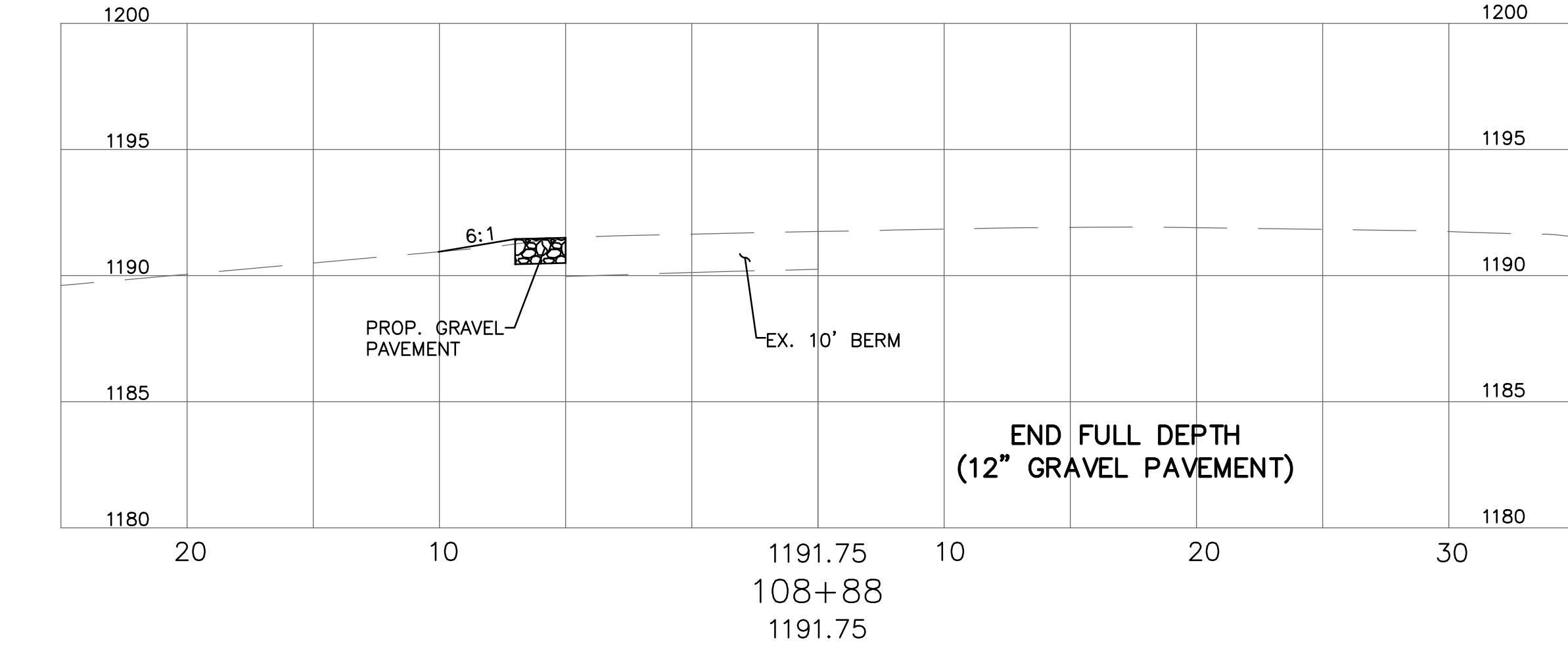
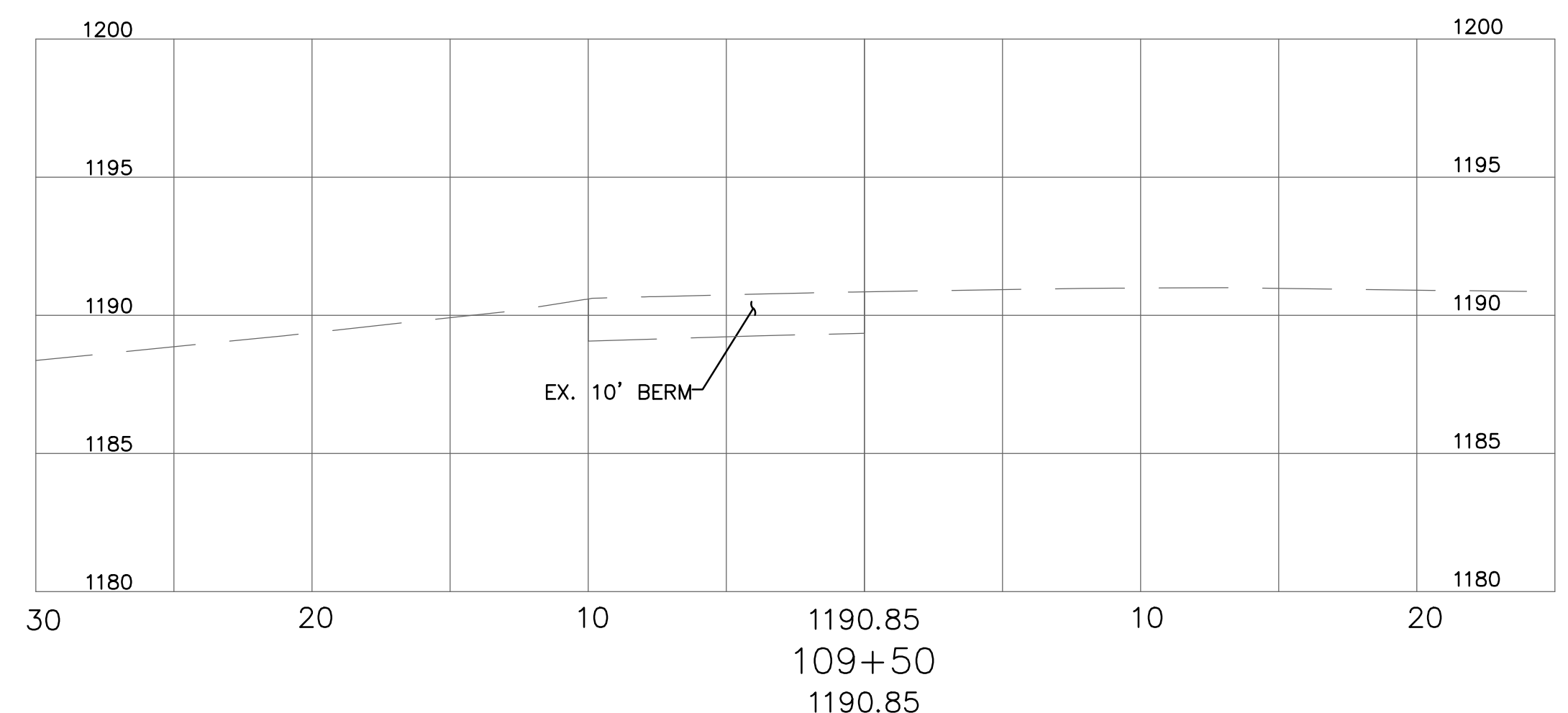
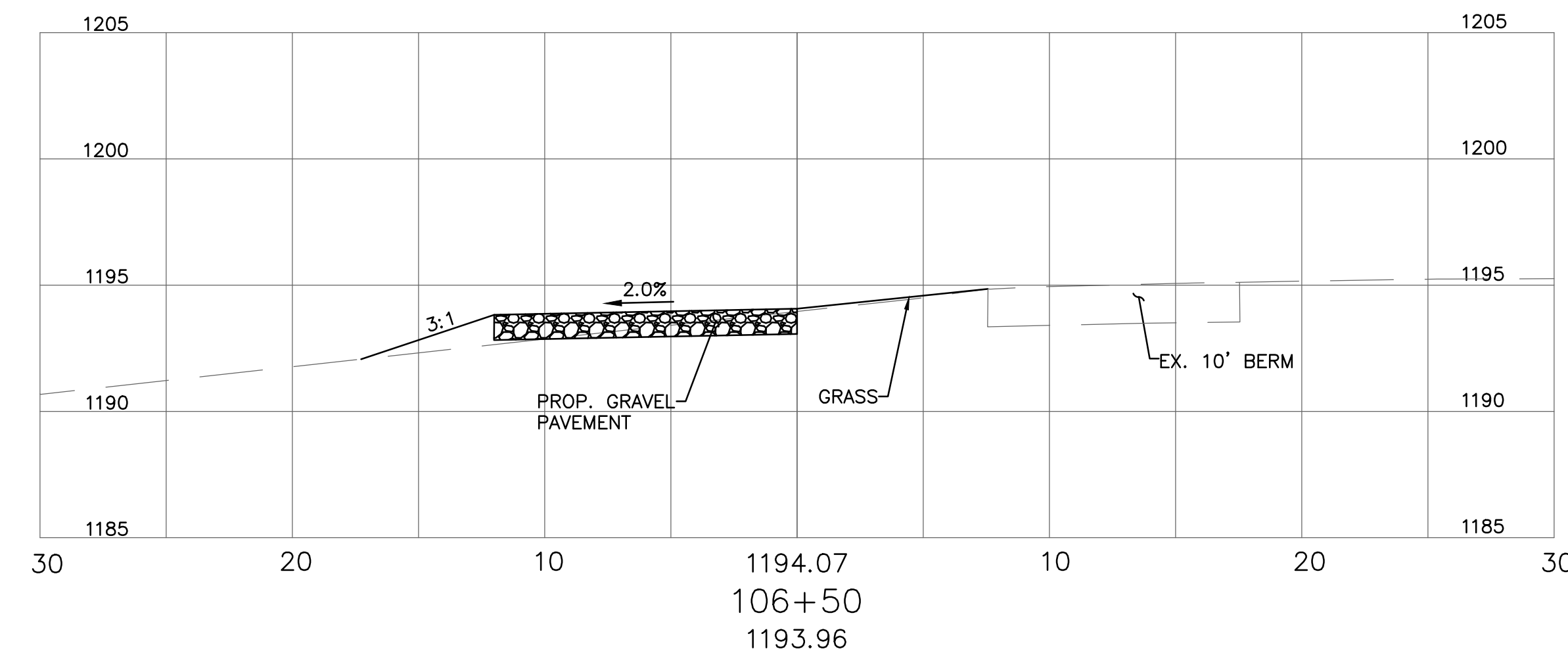
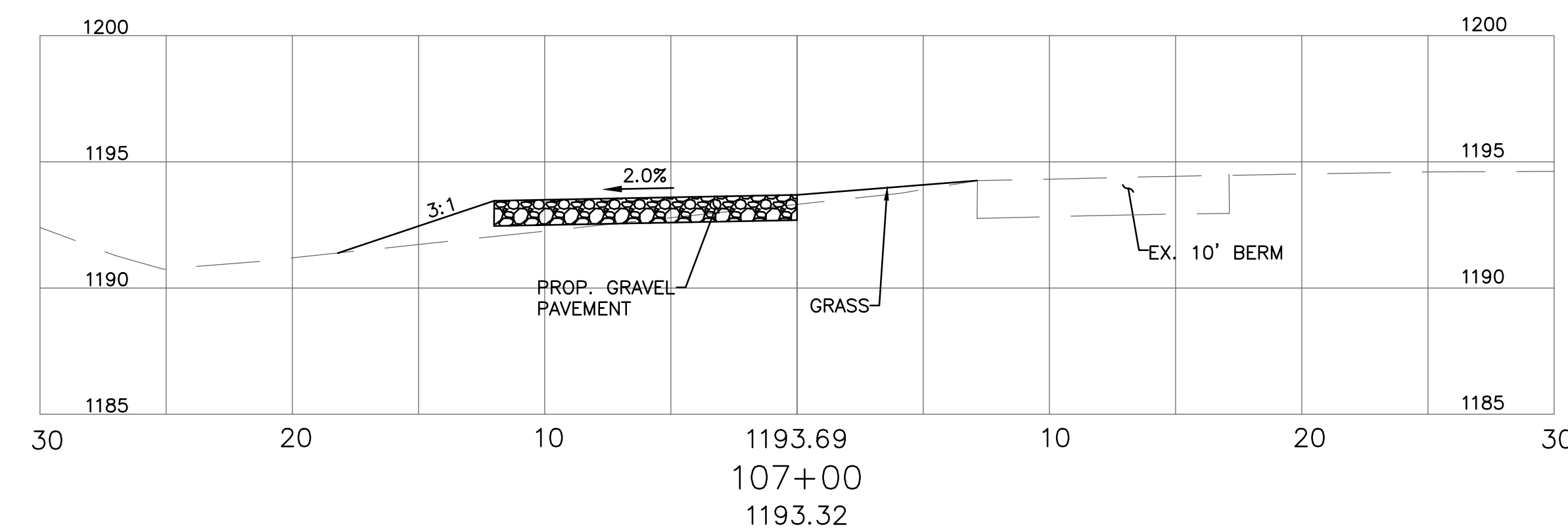
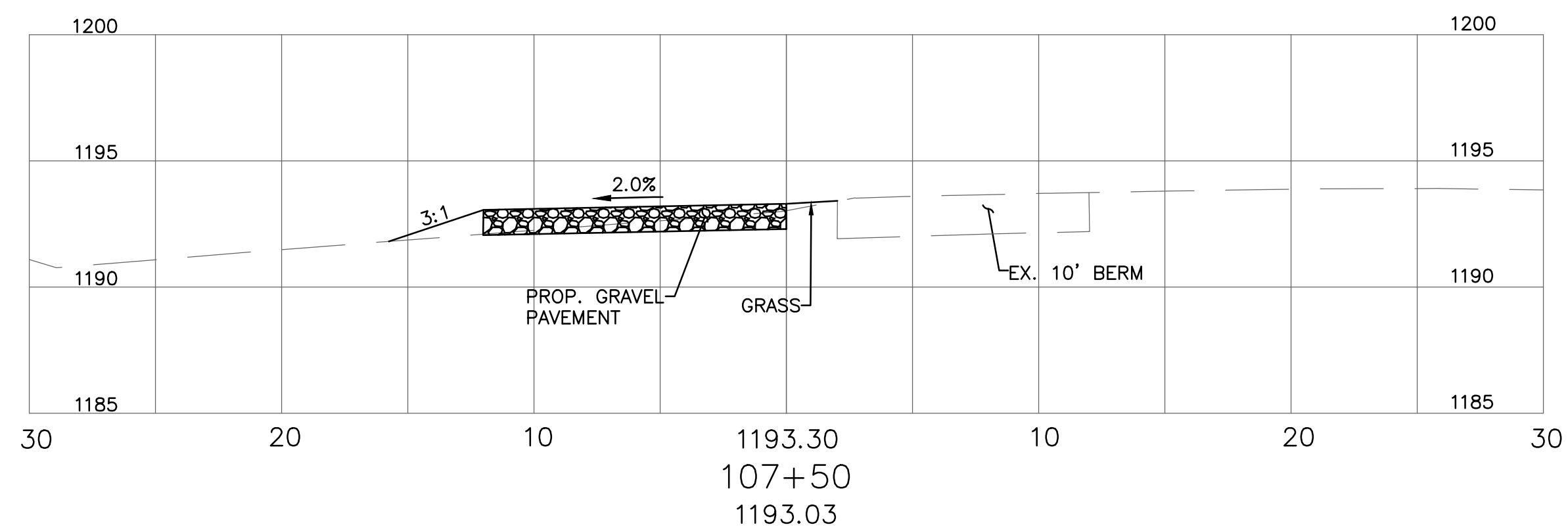
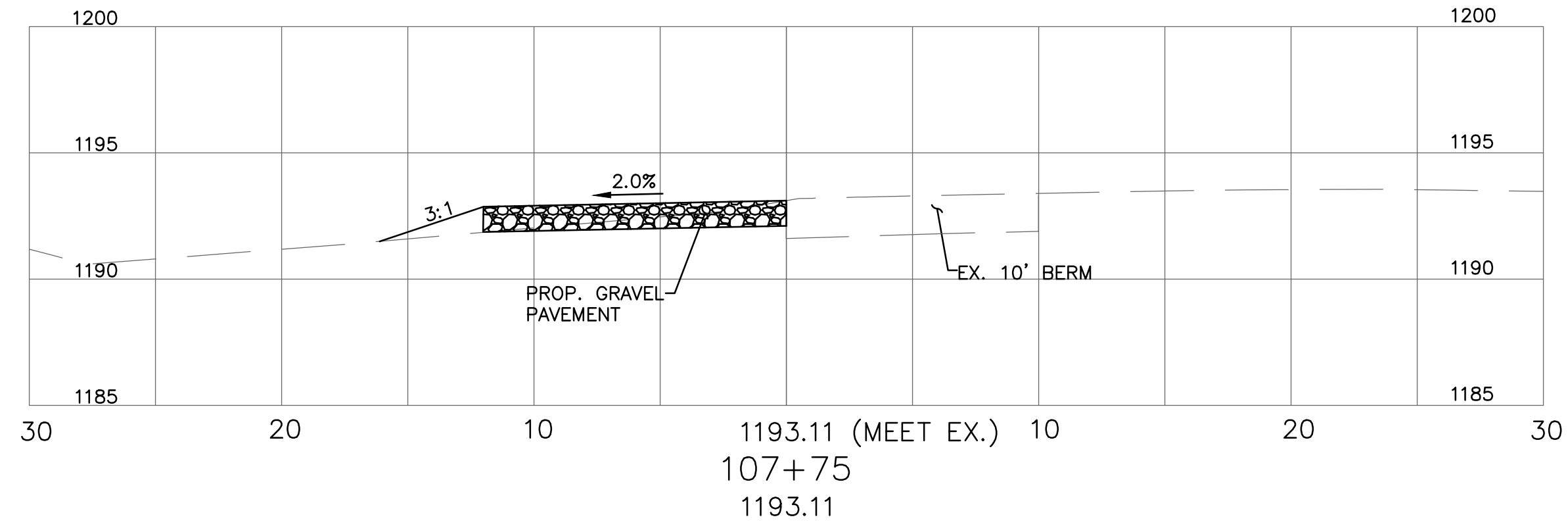
REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



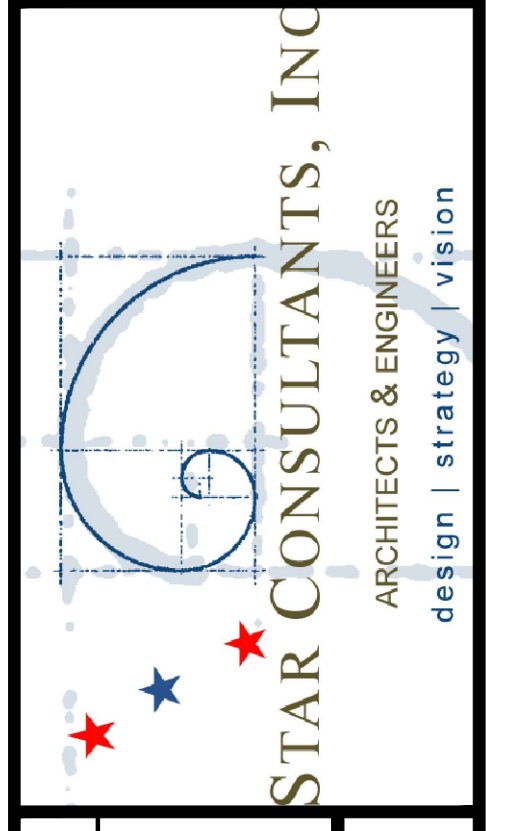
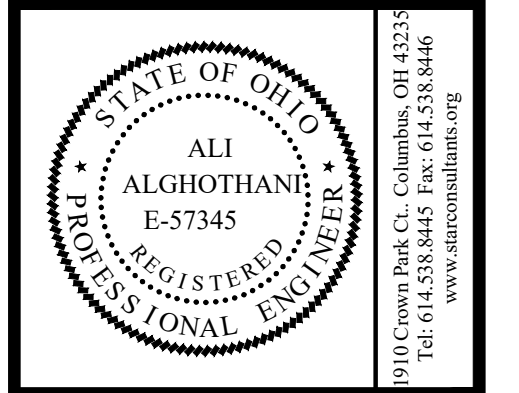
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY EXIT RAMP CROSS SECTIONS

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.112



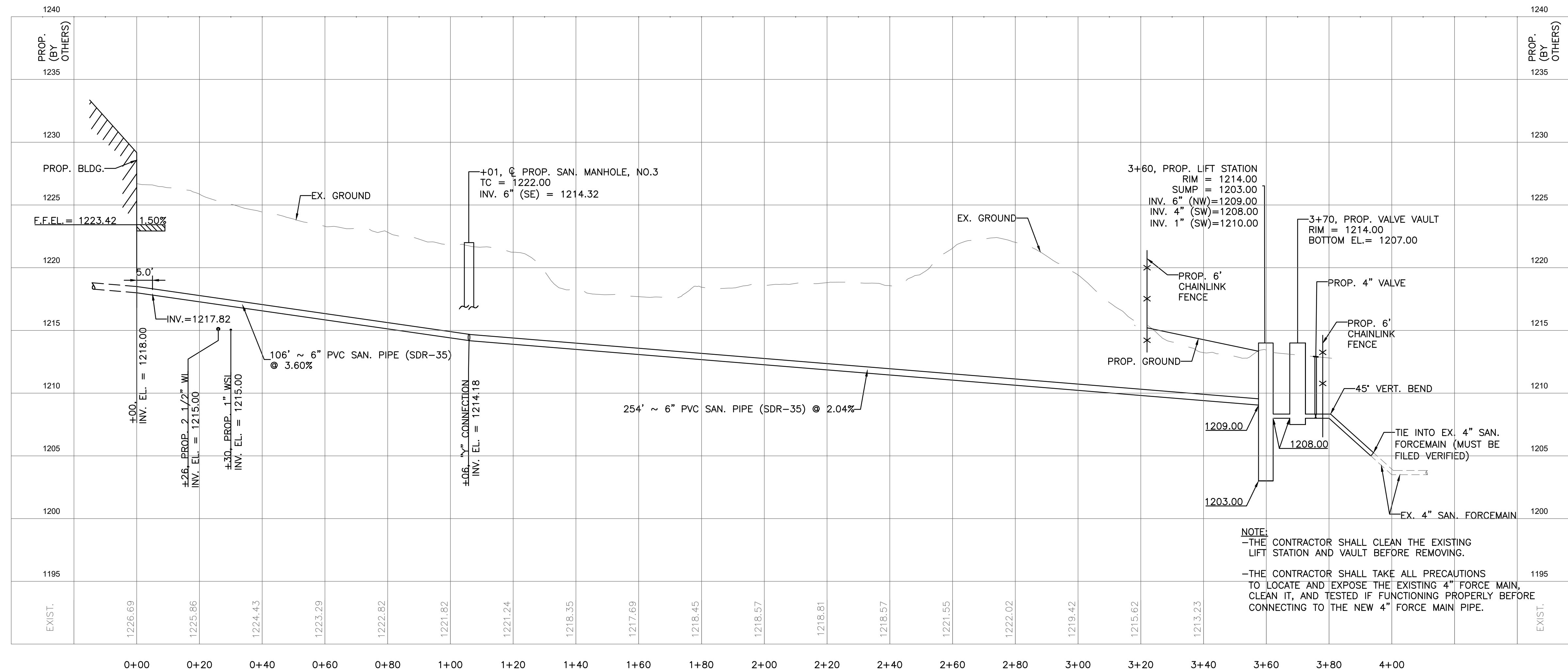
REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. TEMPORARY EXIT RAMP CROSS SECTIONS

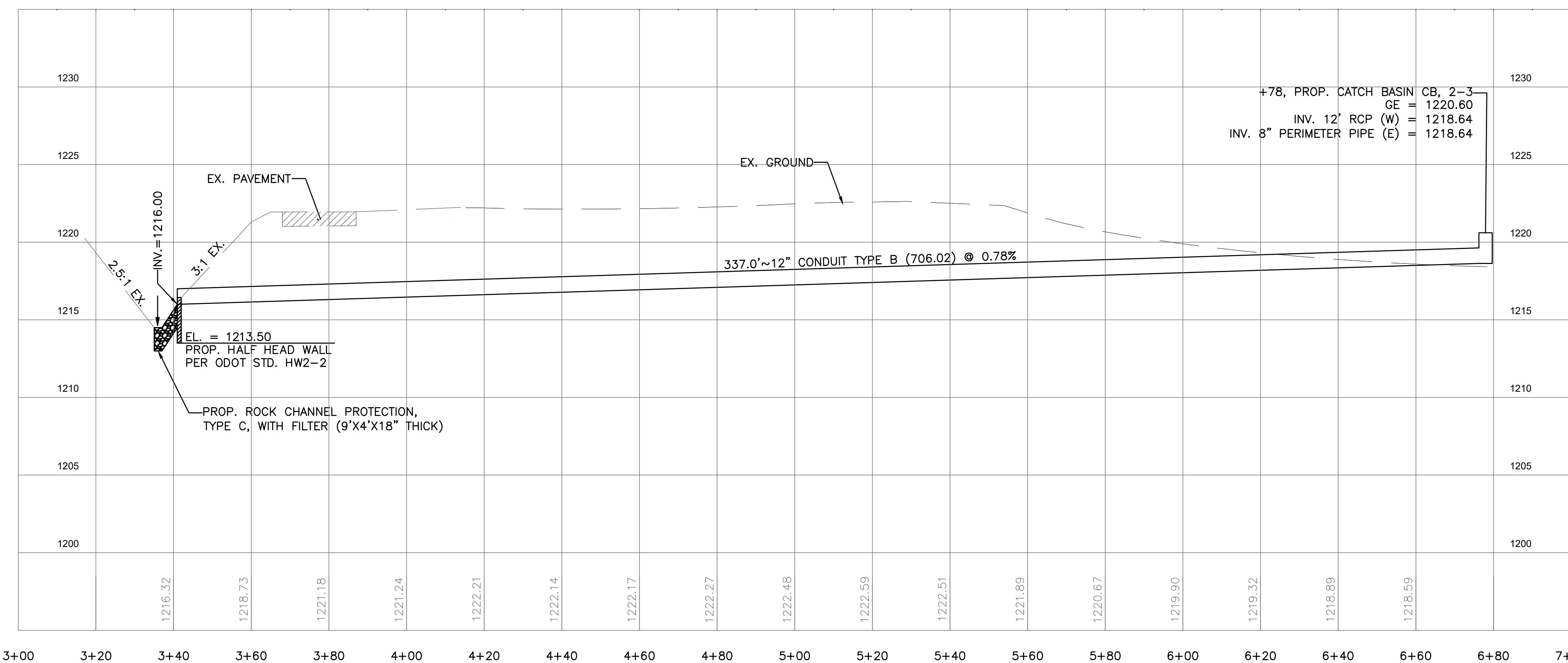
PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.113



PROP. 6" SANITARY PIPE - PROFILE

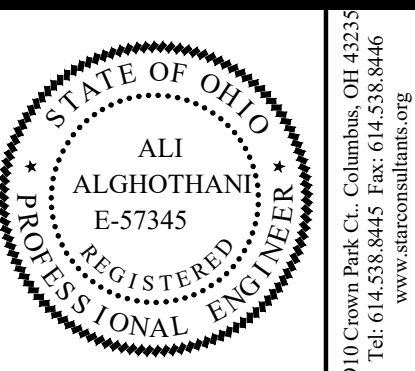
HORIZONTAL : 1" = 20' VERTICAL : 1" = 5'



PROP. 12" STORM PIPE - PROFILE

HORIZONTAL : 1" = 20' VERTICAL : 1" = 5'

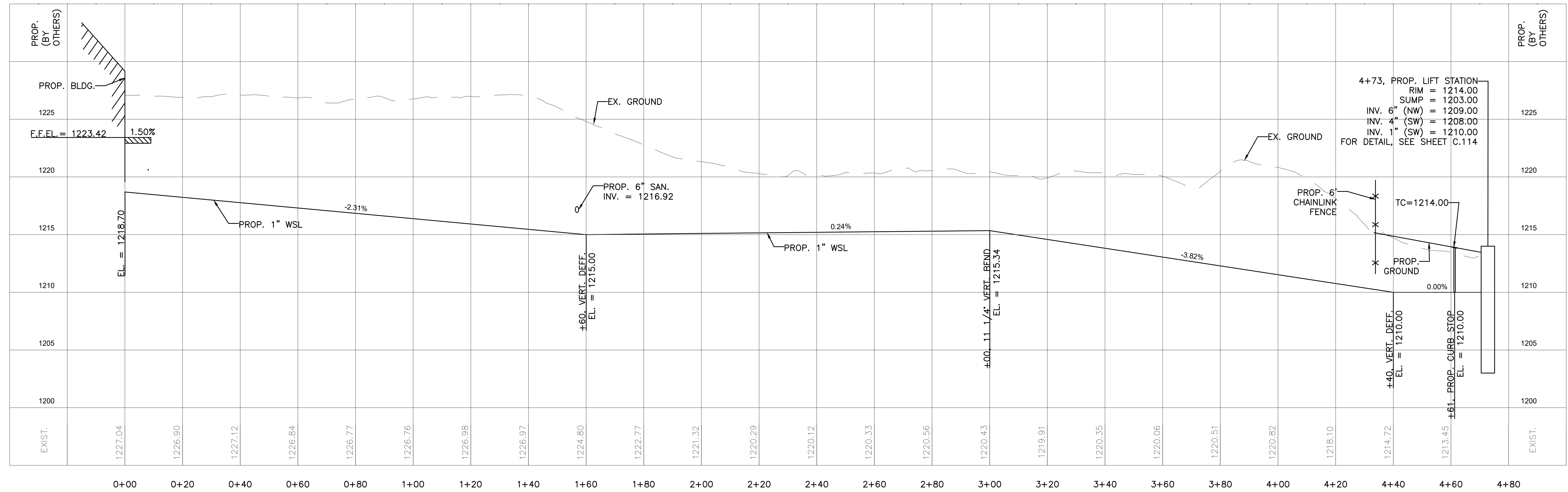
REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROPOSED SANITARY AND STORM PROFILES

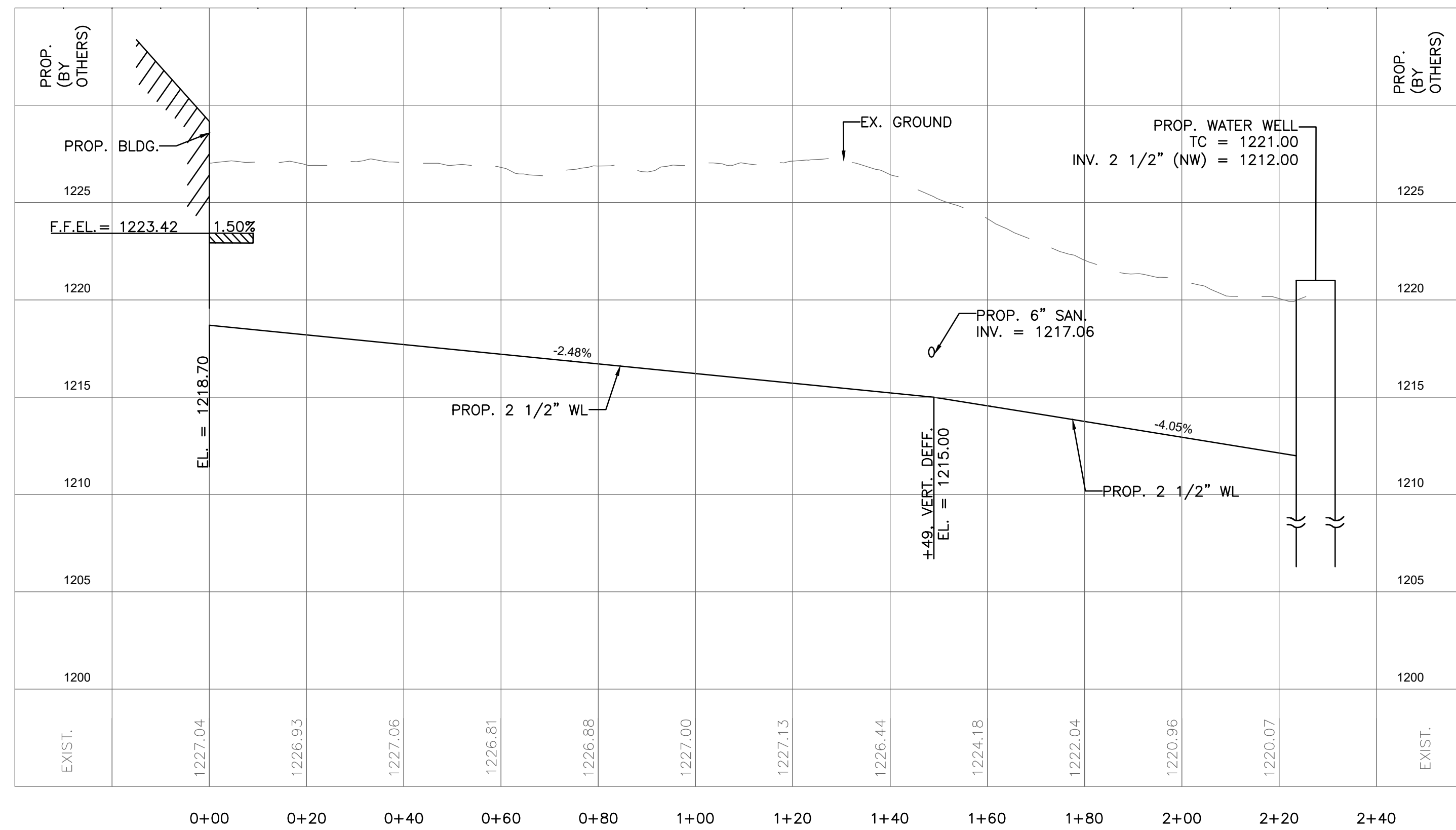
PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.114



PROP. 1" WATER SERVICE LINE - PROFILE

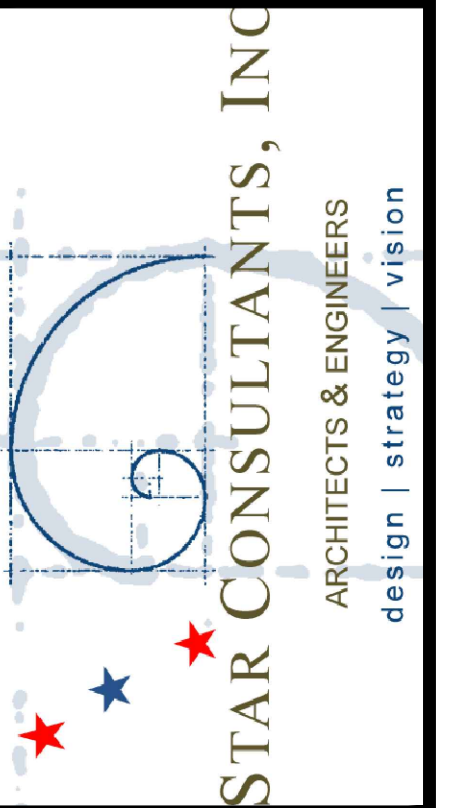
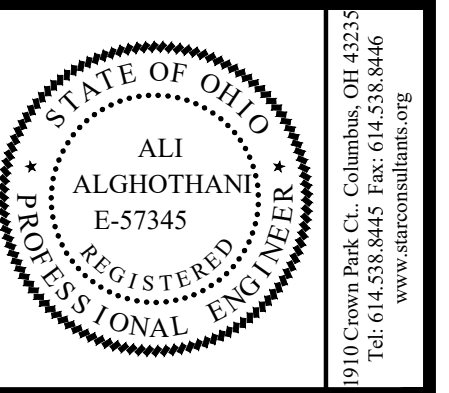
HORIZONTAL : 1" = 20' VERTICAL : 1" = 5'



PROP. 2 1/2" WATER LINE- PROFILE

HORIZONTAL : 1" = 20' VERTICAL : 1" = 5'

REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



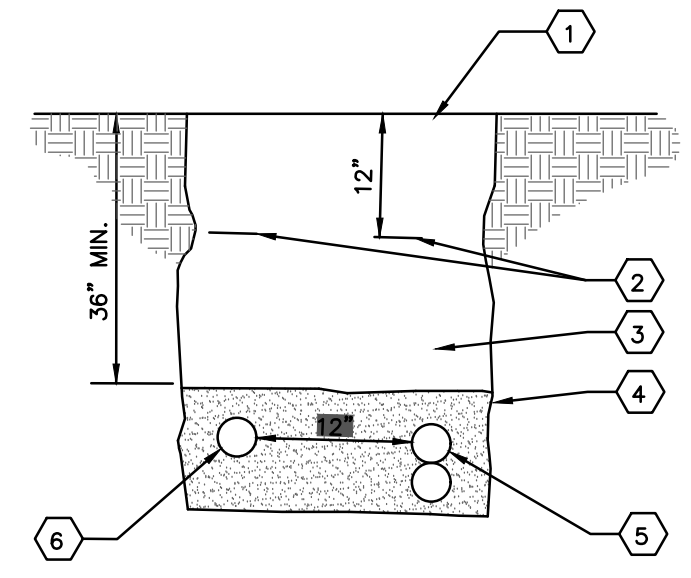
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROP. WATER LINE PROFILE

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	HM

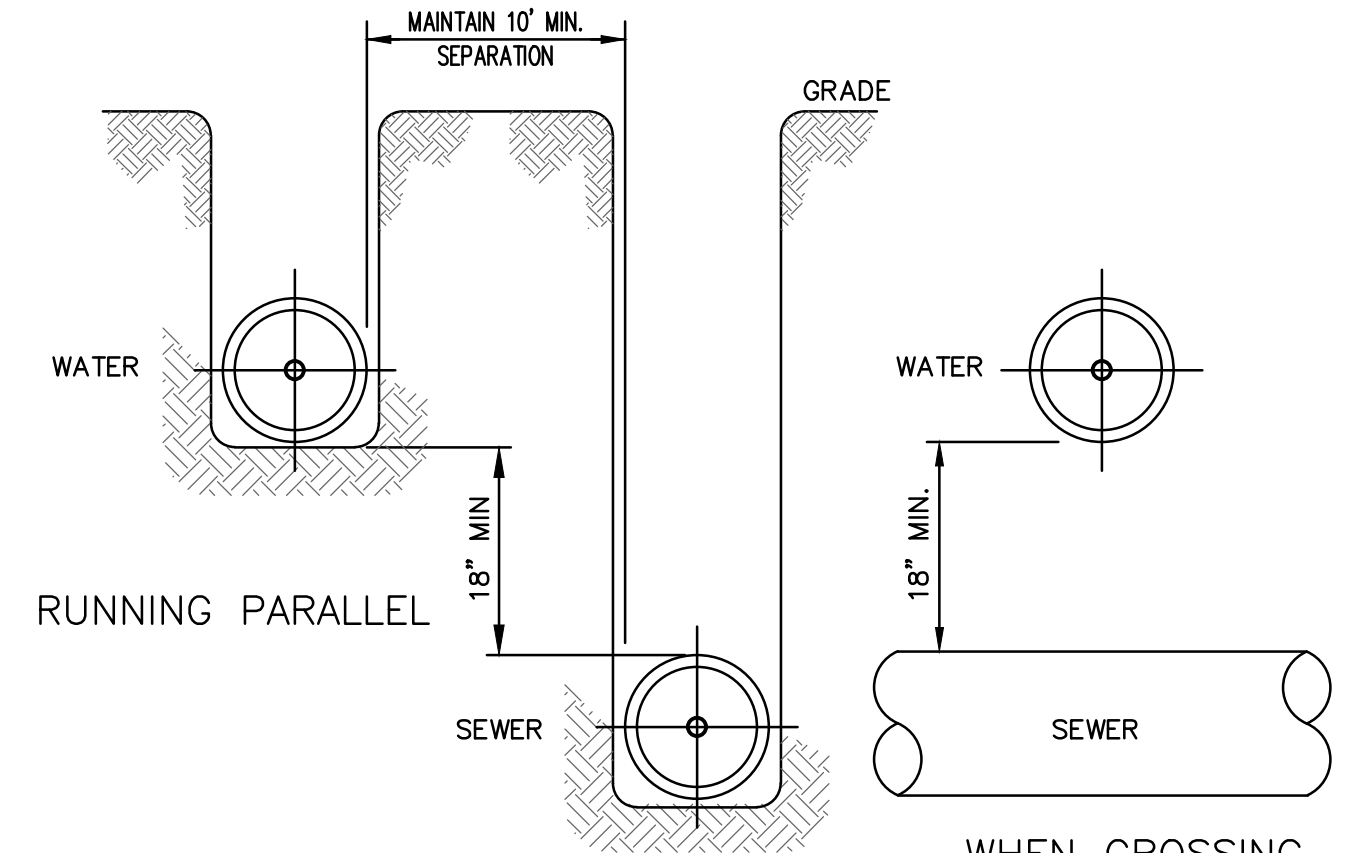
SHEET
C.115

KEYED NOTES

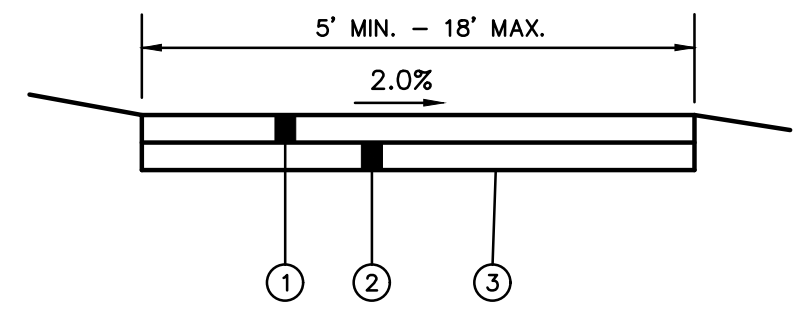
- 1 TOPSOIL & SEED/SOD, OR PAVEMENT AS DETAILED ELSEWHERE.
- 2 CONTINUOUS METALLIC WARNING TAPE
- 3 CLEAN SELECT GRANULAR BACKFILL
- 4 6" CLEAN SAND ENVELOPE
- 5 4" PVC ELECTRICAL CONDUITS (SCHEDULE 40), QUANTITY AS REQUIRED
- 6 4" PVC TELEPHONE CONDUIT (SCHEDULE 40), QUANTITY AS REQUIRED



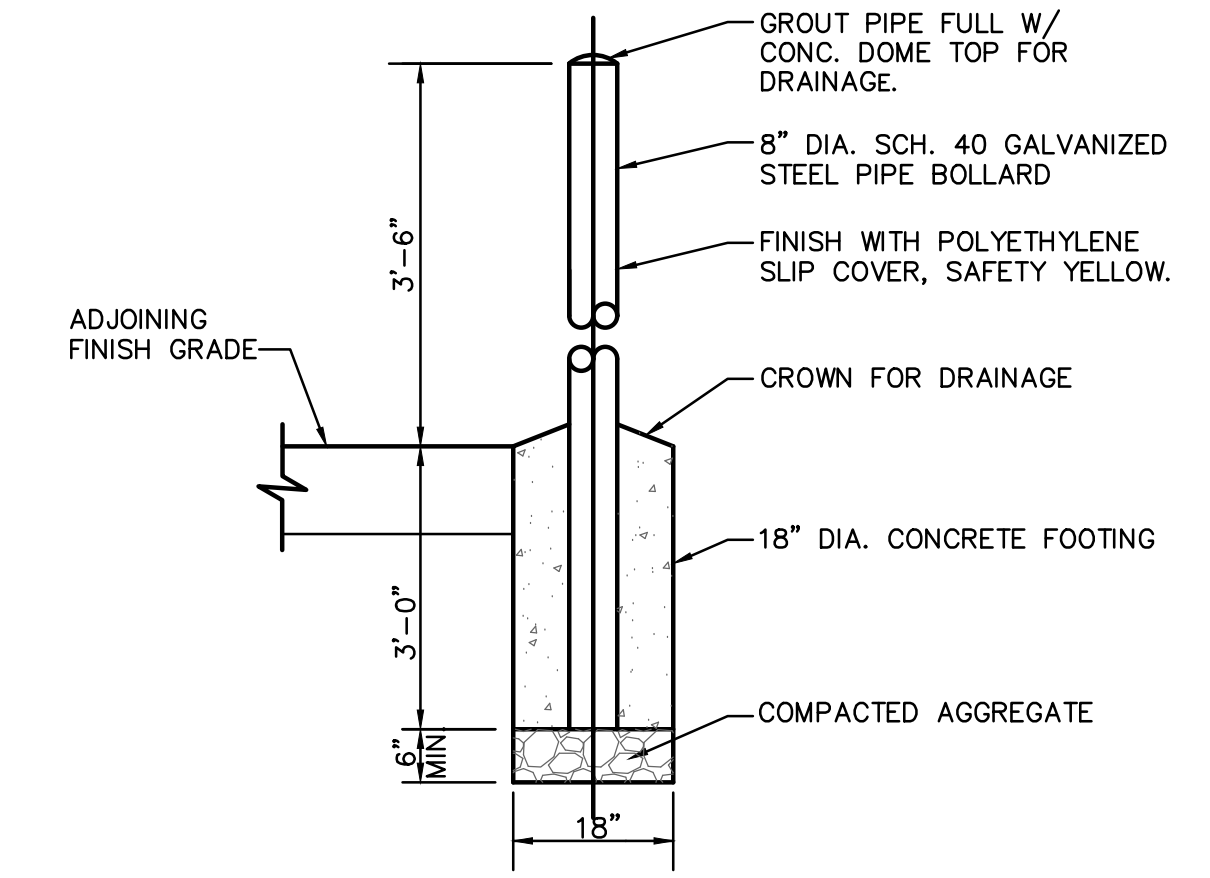
ELECTRICAL & COMMUNICATIONS SERVICE TRENCH
N.T.S.



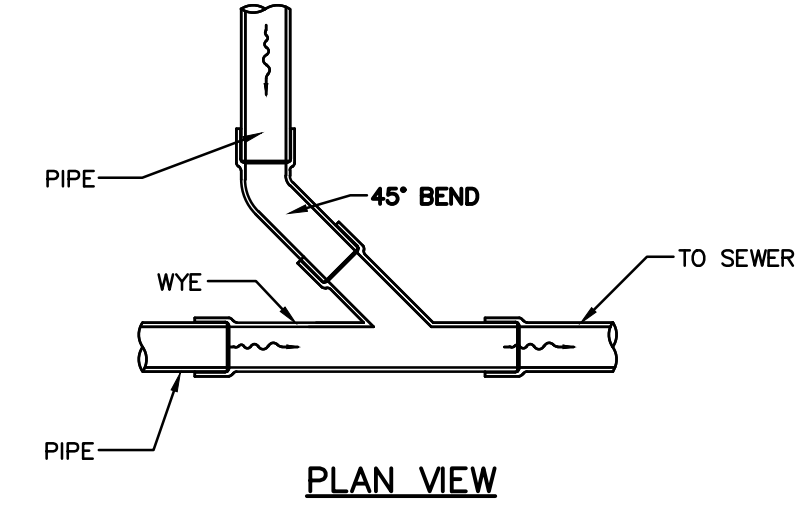
STORM, SANITARY, AND WATERLINE RELATIONSHIP



CONCRETE SIDEWALK
N.T.S.



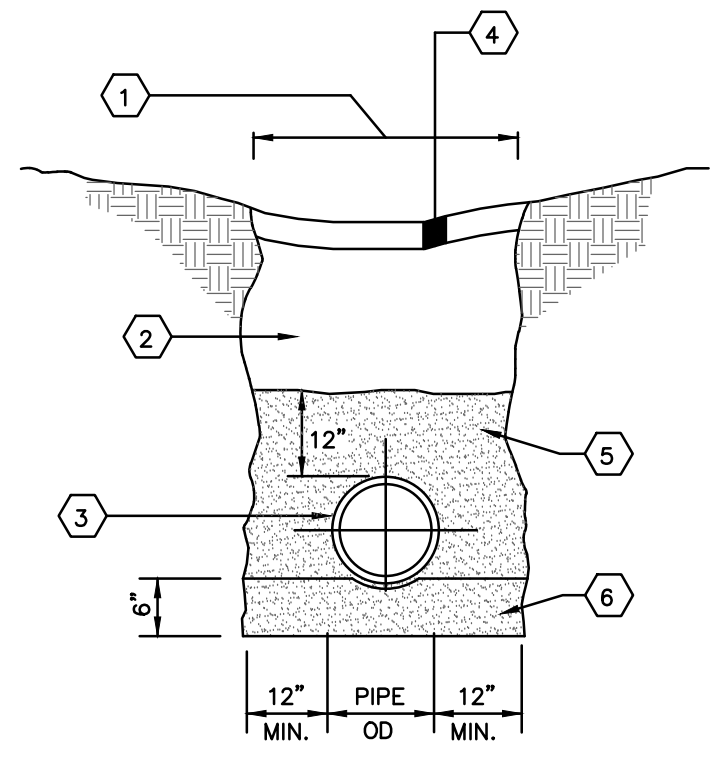
BOLLARD
N.T.S.



WYE CONNECTION
N.T.S.

KEYED NOTES

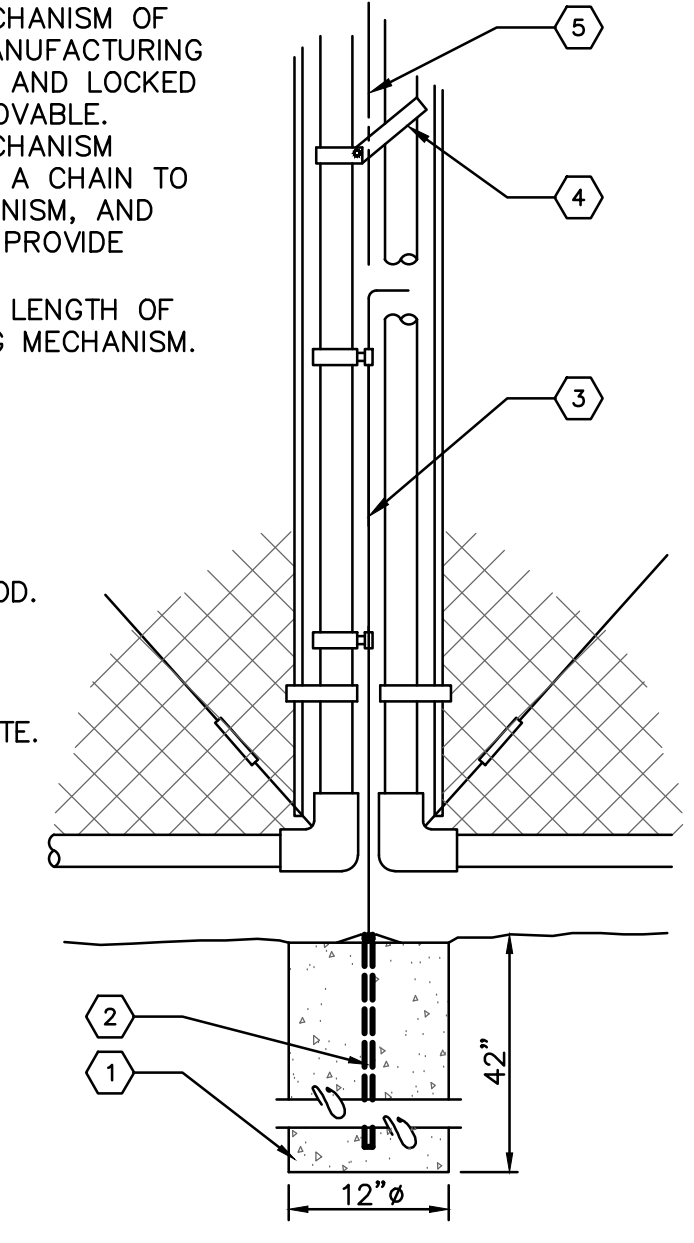
- 1 EXCAVATE WIDTH OF TRENCH AS NEEDED
- 2 PLACE ODOT 304 BACKFILL IN 6" MAX. LIFTS COMPACTED TO 98% MIN. DRY DENSITY, PER ASTM D698, GRANULAR BACKFILL SHALL BE COMPACTED TO 80% UNDER PAVEMENT RELATIVE DENSITY, PER ASTM 4353.
- 3 PROPOSED STORM OR SANITARY SEWER
- 4 TOPSOIL, SEED, AND MULCHING OR PAVEMENT AS DETAILED ELSEWHERE.
- 5 NO. 57 OR NO. 67 AGGREGATE PLACED A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE
- 6 NO. 57 OR NO. 67 AGGREGATE PLACED A MINIMUM OF 6" BELOW THE BOTTOM OF THE PIPE



SEWER TRENCH
N.T.S.

DROP ROD NOTES:

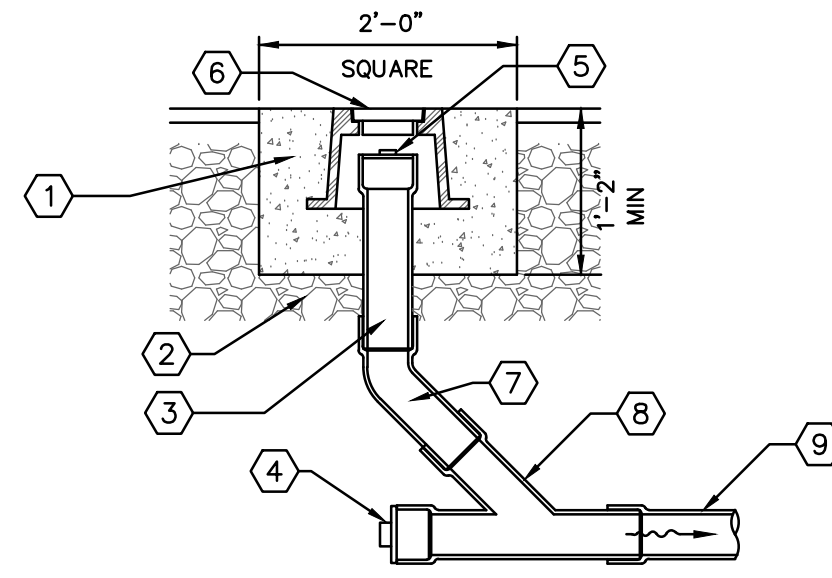
- 1. THE DROP ROD AND LOCKING MECHANISM OF THE GATE SHALL BE OF SUCH MANUFACTURING THAT WHEN THE GATE IS CLOSED AND LOCKED THE DROP ROD SHALL NOT BE MOVABLE.
- 2. THE DROP ROD AND LOCKING MECHANISM SHALL HAVE THE CAPACITY FOR A CHAIN TO BE USED AS THE LOCKING MECHANISM, AND LOCKS TO BE DAISY CHAINED TO PROVIDE MULTIPLE ACCESS TO FIELD.
- 3. CONTRACTOR SHALL PROVIDE 24" LENGTH OF CHAIN TO SERVE AS THE LOCKING MECHANISM.



DROP ROD DETAIL
N.T.S.

KEYED NOTES

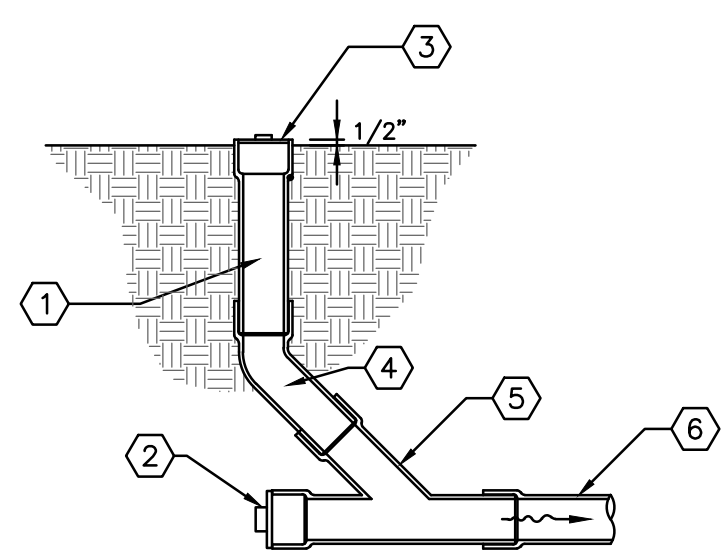
- 1 CONCRETE, MATCH PAVEMENT SPEC.
- 2 6" (MIN.) AGGREGATE BASE
- 3 6" DIA. CLEAN-OUT PIPE
- 4 CAP AND SEAL CONDUIT
- 5 THREADED CLEAN-OUT CAP
- 6 CAST-IRON MONUMENT BOX, EJIW 1565 OR APPROVED EQUAL
- 7 45° BEND
- 8 WYE
- 9 SEWER



CLEAN OUT (PAVEMENT AREA)
N.T.S.

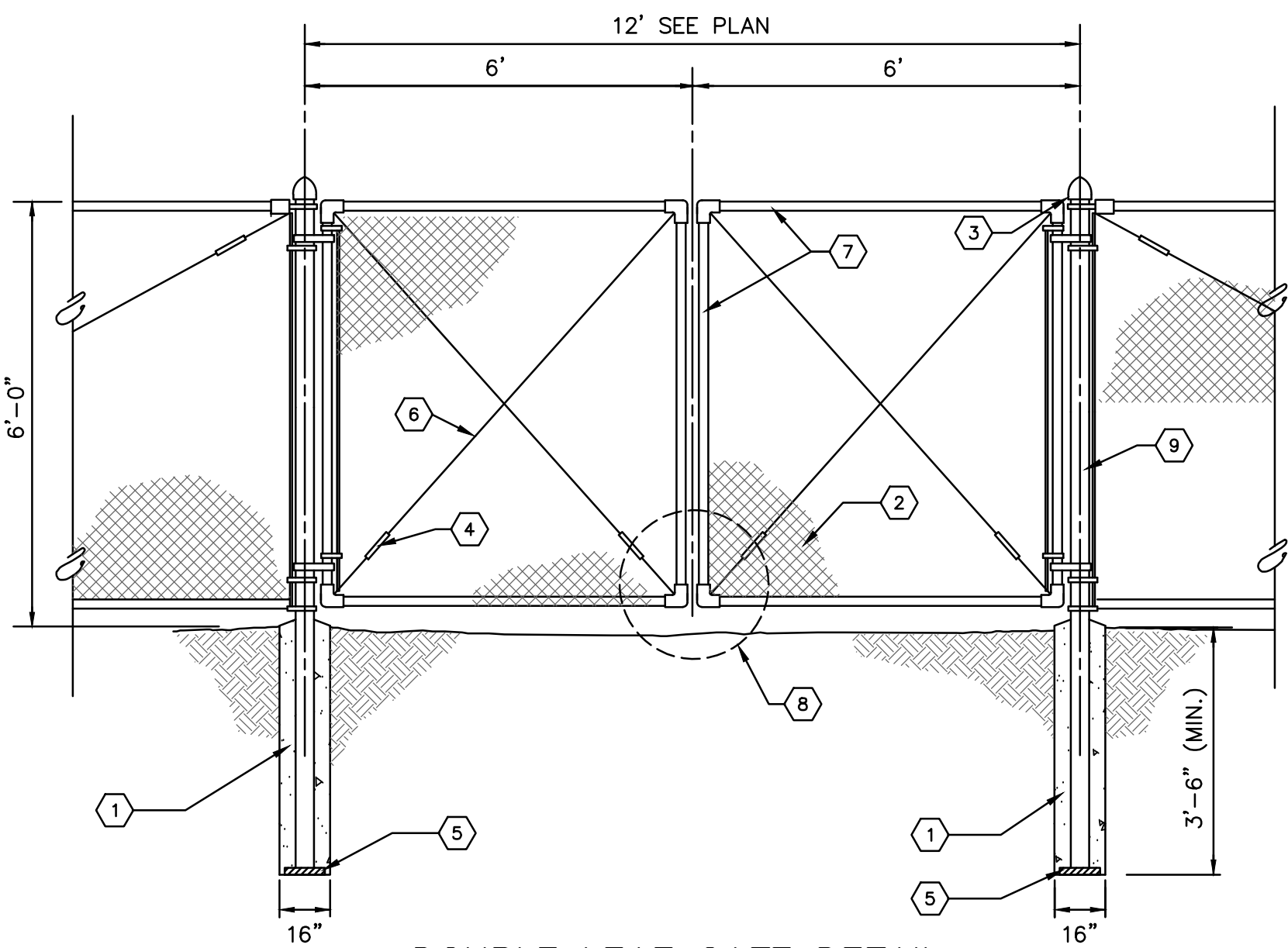
KEYED NOTES

- 1 6" DIA. CLEAN-OUT PIPE
- 2 CAP AND SEAL CONDUIT
- 3 THREADED CLEAN-OUT CAP
- 4 45° BEND
- 5 WYE
- 6 SEWER



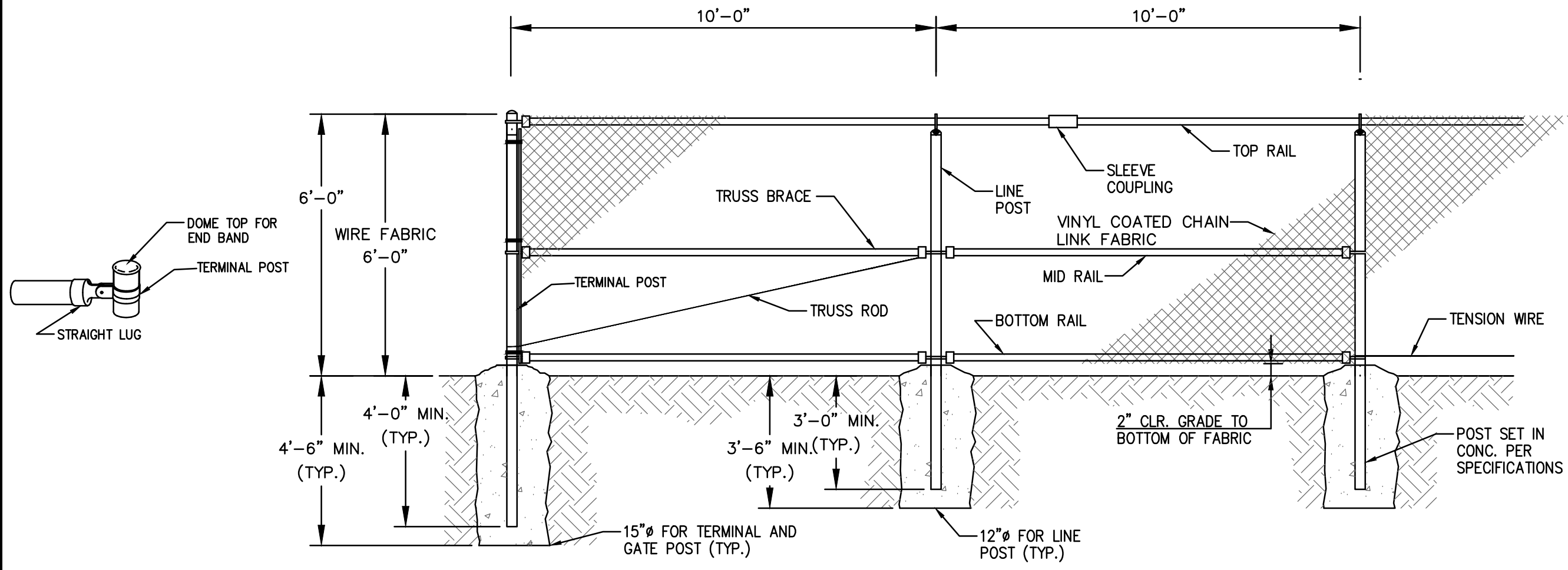
CLEAN OUT (LAWN AREA)
N.T.S.

- 1 4,500 PSI CONCRETE.
- 2 1" GALVANIZED PIPE FOR DROP ROD.
- 3 DROP ROD.
- 4 GALVANIZED STEEL GATE LATCH.
- 5 CENTERLINE OF DOUBLE SWING GATE.

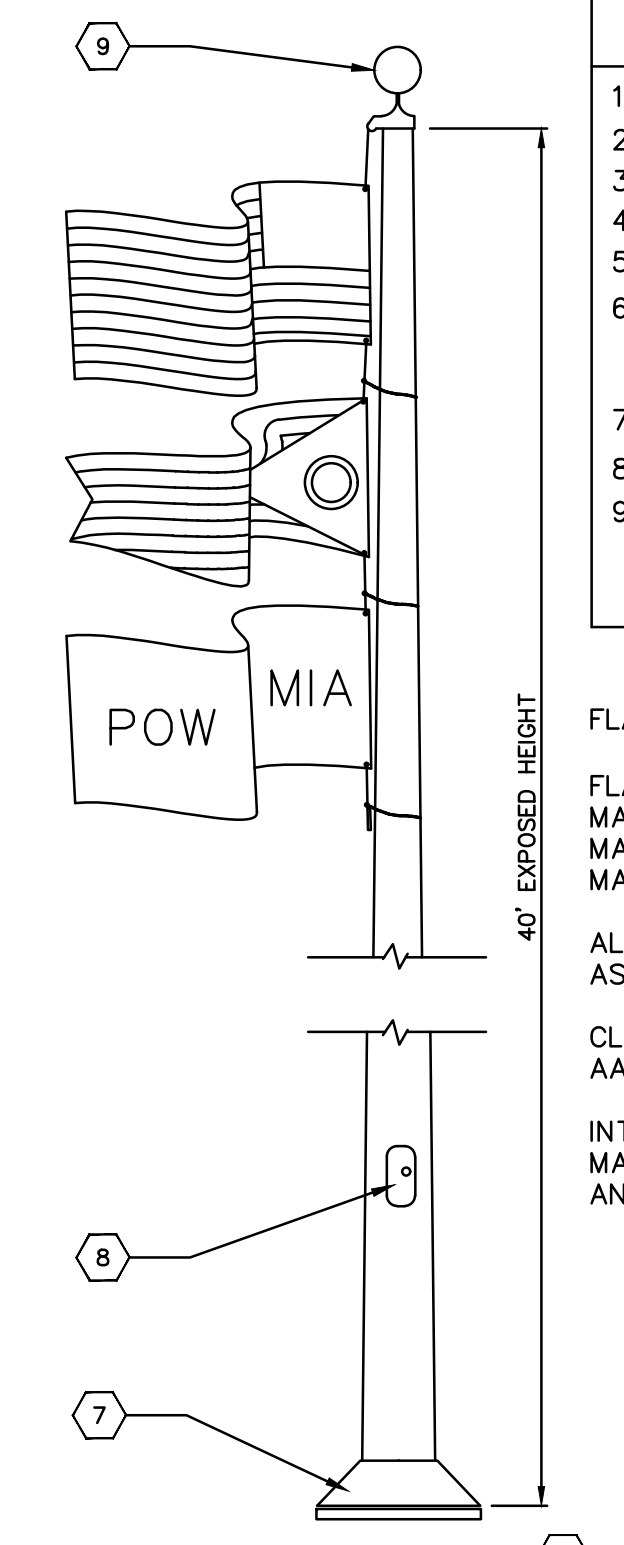


DOUBLE LEAF GATE DETAIL
N.T.S.

- 1 4,500 PSI CONCRETE.
- 2 2" MESH POLYMER COATED CHAIN LINK FENCE FABRIC WIRE GAUGE: 6 GA FOR 8'H FENCE & 9 GA FOR 4'H AND 6'H FENCES.
- 3 POST CAP.
- 4 TURN BUCKLE
- 5 LEVELING BRICK
- 6 DIAGONAL BRACING
- 7 GATE FRAME MEMBER 1 5/8" O.D.
- 8 SEE DROP ROD DETAIL THIS SHEET.
- 9 6" SCHEDULE 40 PIPE



6' CHAIN LINK FENCE DETAIL
N.T.S.



DETAIL KEYNOTES

- 1. CONCRETE WALK PER DETAIL 6, C6.0.
- 2. PROPOSED FINISH GRADE.
- 3. 4,000 PSI CONCRETE PER SPECIFICATIONS
- 4. 3/4" CHAMFER
- 5. ADDITIONAL #4 TIE.
- 6. ANCHOR BOLTS & CONNECTION DETAILS DESIGNED AND PROVIDED BY POLE MANUFACTURER.
- 7. SHOE BASE FOUNDATION
- 8. INTERNAL HALYARD ACCESS PANEL
- 9. BALL FINIAL

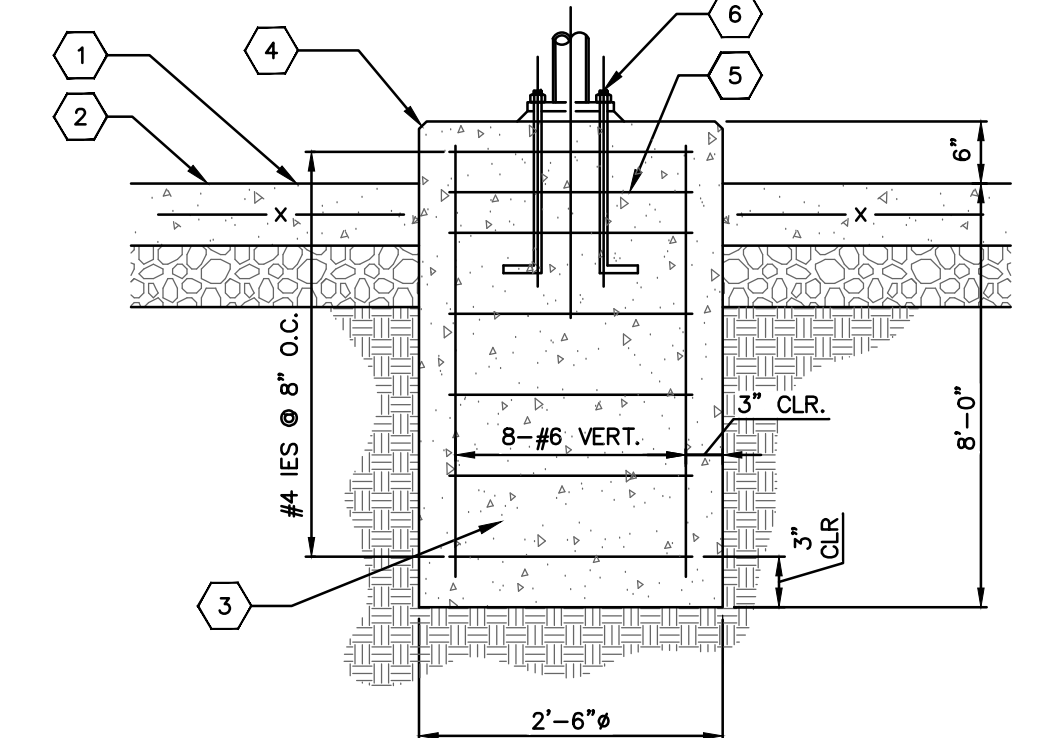
FLAG POLE EQUIPMENT SPECIFICATIONS:

FLAG POLE HEIGHT: 40'
 MAXIMUM WIND SPEED, UNFLAGGED: 135 MPH
 MAXIMUM WIND SPEED, FLAGGED: 106 MPH
 MAXIMUM FLAG SIZE: 5 x 8 FEET

ALUMINUM CONE-TAPERED FLAG POLE
 ASTM B 241, ALLOY 6063

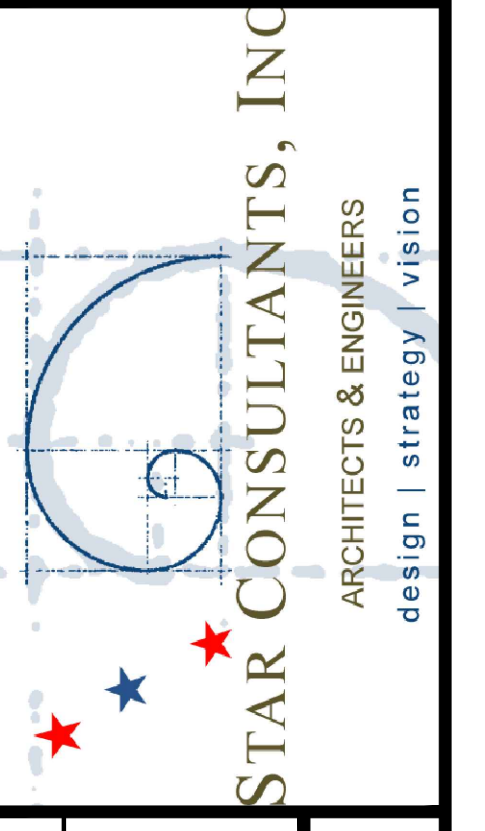
CLEAR ANODIC FINISH: AAMA 611, AA-M12C22A41.

INTERNAL HALYARD, WINCH SYSTEM.
 MANUALLY OPERATED WITH REMOVABLE HANDLE AND STAINLESS STEEL CABLE.



FLAG POLE DETAIL
N.T.S.

REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



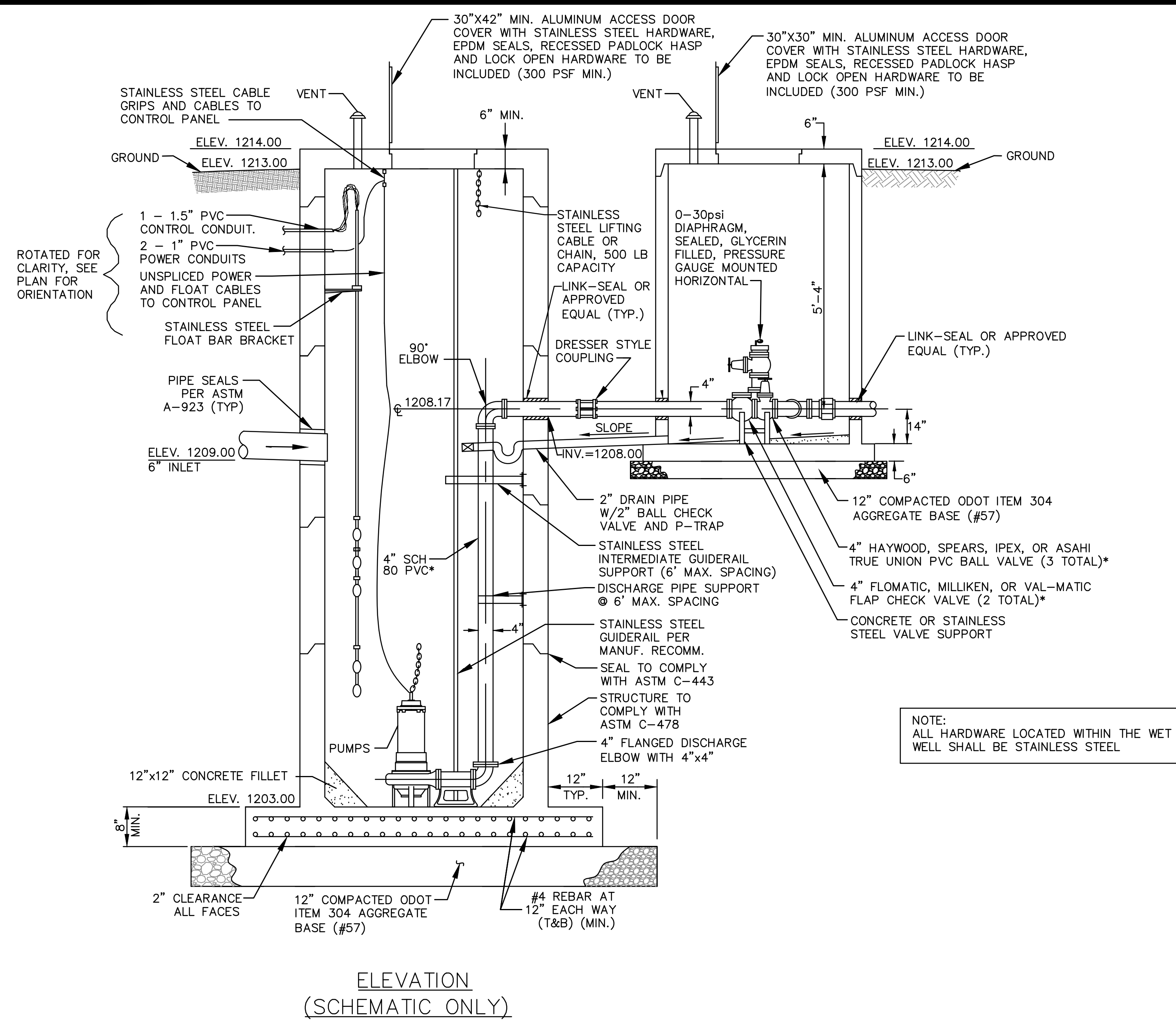
OHIO DEPARTMENT OF TRANSPORTATION

FACD08 RESTROOMS AT PREBLE TRUCK PARKING

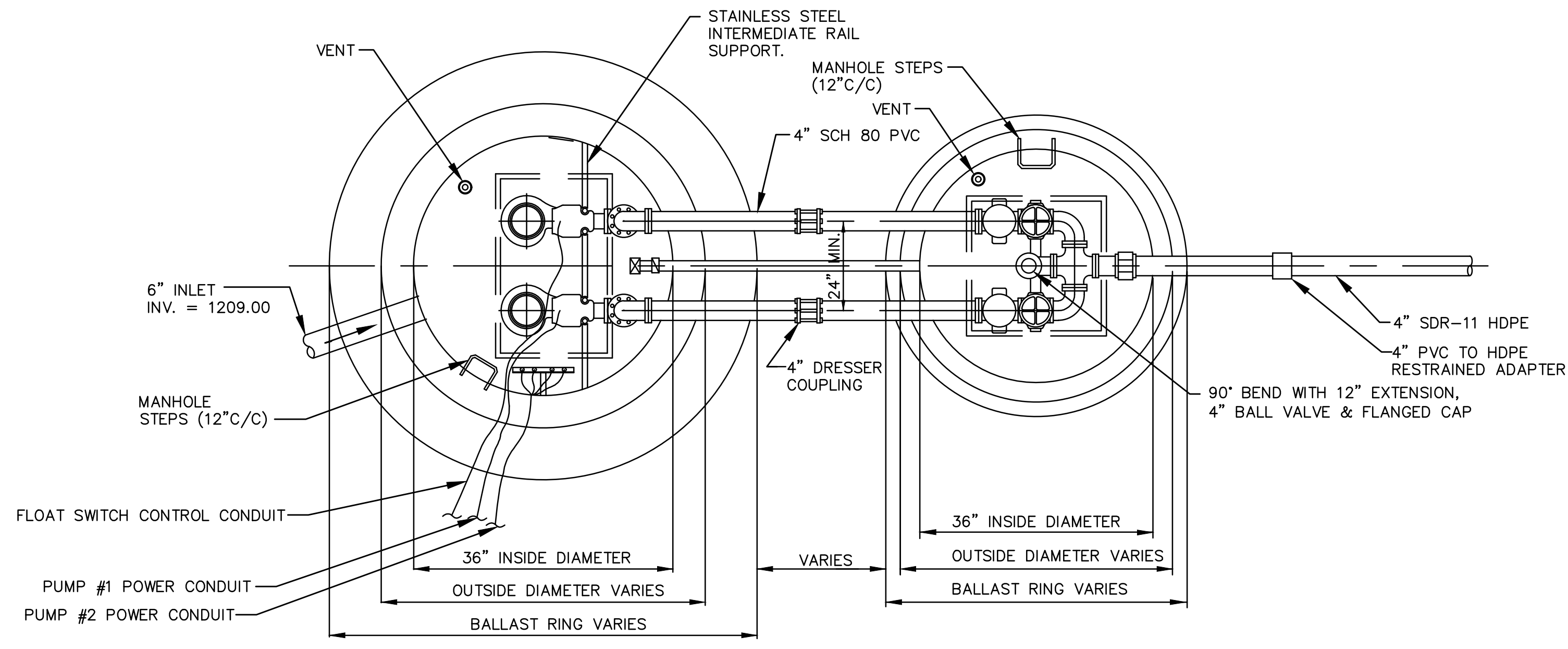
170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

DETAILS

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA



ELEVATION
(SCHEMATIC ONLY)



PLAN
(SCHEMATIC ONLY)

NOTE:
-THE CONTRACTOR SHALL CLEAN THE EXISTING LIFT STATION AND VAULT BEFORE REMOVING.
-THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO LOCATE AND EXPOSE THE EXISTING 4\"/>

SPECIFICATIONS:

EXCEL FLUID GROUP FACTORY OR APPROVED EQUAL ASSEMBLED AND TESTED SUBMERSIBLE FIBERGLASS PUMP STATION, MODEL # EX-FGSA2PV48X120ZSGV. PREBLE TRUCK RESTROOMS, VALVE VAULT/ PIT: 7 FT. DEEP WITH (4) FLOAT W/ HIGH ALARM, & ALTERNATION FLOW: 2500 GPD. PEAK FLOW (PEAK FACTOR 4): 10,000 GPD. PEAK FLOW PER MINUTE: 6.94 GPM (USE 7 GPM). PUMP CAPACITY (FACTOR 1.5): 10.5 GPM. WET WELL VOLUME (DESIGN FOR 8 TO 12 PUMP CYCLE/ HOUR). USE 10 CYCLE/ HOUR: 6 MINUTES/ CYCLE. USE 8 FT. DEPTH BY 3 FT. DIA. WET WELL GOOD FOR 250 GALLONS. GRINDER PUMP. FORCE MAIN: 4\"/>

FIBERGLASS WET WELL:
FIBERGLASS WET WELL (1)
 FIBERGLASS WET WELL, 36\"/>

INTEGRATED VALVE VAULT (1)
 FIBERGLASS INTEGRATED VALVE VAULT, 36\"/>

PUMP STATION COVER & HATCH (1)
 ALUMINUM WET WELL COVER WITH ACCESS HATCHES, INCLUDES DROP HANDLE, SS HARDWARE, RECESSED LOCKING CAPABILITY, PEDESTRIAN LOAD RATED

HOIST (1)
 STAINLESS STEEL LIFTING HOIST FOR SERVICING PUMPS INCLUDING SOCKET

INLET HUB (1)
 INLET HUB FITTING - SHIPPED LOOSE FOR FIELD INSTALLATION

SUBMERSIBLE SEWAGE GRINDER PUMPS:
SUBMERSIBLE GRINDER PUMPS (2)
 BARNES SUBMERSIBLE GRINDER PUMPS, 2 HP, 208 VOLT, 3 PH, 3450 RPM, 30 FT. POWER CORD, DUCTILE IRON VORTEX IMPELLER, MECHANICAL SEAL, STAINLESS STEEL SHAFT

PUMP MOUNTING AND REMOVAL SYSTEM (FACTORY INSTALLED)
MOUNTING & REMOVAL SYSTEM (2)
 BASE ELBOW ASSEMBLY, DUCTILE IRON BASE, INCLUDES MOVEABLE SLIDE BRACKET, UPPER GUIDE RAIL BRACKET,

GUIDE RAILS (4)
 STAINLESS STEEL GUIDE RAILS

LIFTING (2)
 STAINLESS-STEEL LIFTING CHAIN

ELECTRICAL CONTROL COMPONENTS:
DUPLIX CONTROL PANEL (1)
 • **DUPLIX THREE PHASE 208VAC**
 • **NEMA 4X RATED ENCLOSURE: HEAVY DUTY STAINLESS STEEL WITH STAINLESS STEEL LOCKABLE LATCHES**
 • **PUMP CONTROL VISIBLE INDICATORS: PUMP HAND-OFF-AUTO (H.O.A.) SWITCH(ES), GREEN PUMP RUN LIGHT, RED PUMP FAULT LIGHT WITH RESET BUTTON AND POWER ON LIGHT**
 • **ALARM VISIBLE INDICATORS: RED BEACON ALARM LIGHT, ALARM TEST AND SILENCE BUTTONS**
 • **ALARM HORN SOUNDS AT 85 DECIBELS AT 10 FEET**
 • **REMOTE MONITORING BY DRY CONTACTS: HIGH LIQUID, PUMP FAULT, PUMP RUN(S)**

CONTROL PANEL STAND (1)
 CONTROL PANEL STAND, 304SS CONSTRUCTION, HINGED ACCESS DOOR W/ LOCKABLE HASPS, BUILT-IN CABLE HOOKS & SCREENED VENT

LEVEL CONTROL DEVICE (FACTORY INSTALLED):
LEVEL CONTROL ASSEMBLY (1)
 4 LEVEL CONTROL FLOATS WITH 30' LONG FLOAT CORDS, STAINLESS STEEL FLOAT BRACKET & STAINLESS STEEL MOUNTING HARDWARE

WETWELL & VALVE VAULT PIPING & VALVES (FACTORY INSTALLED)
PUMP STATION PIPING (1)
 WETWELL DISCHARGE PIPE & FITTINGS, ALL 4\"/>

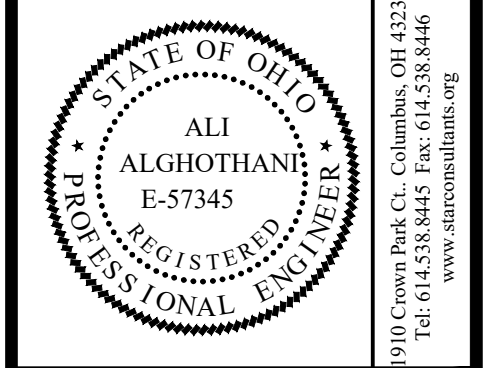
CHECK VALVES (2)
 4\"/>

GATE VALVES (3)
 4\"/>

CONTRACTOR SHALL PROVIDE ADMINISTRATIVE & PROJECT MANAGEMENT SERVICES:
 - DETAILED PRODUCT SUBMITTALS, DRAWINGS & BILL OF MATERIALS
 - IOM MANUALS & AS-BUILT DRAWINGS
 - PUMP STATION START-UP & TRAINING SERVICES

PUMP STATION NOTES & EXCEPTIONS:
 • ALL ITEMS NOT IDENTIFIED IN THIS SCOPE OF SUPPLY ARE BY OTHERS.
 • ALL COMPONENTS INSIDE WETWELL & VALVE VAULT TO BE INSTALLED BY CONTRACTOR.
 • ELECTRICAL CONDUIT CONNECTION BETWEEN WETWELL & CONTROL PANEL BY OTHERS.
 • FIBERGLASS PUMP STATION IS DELIVERED. UNLOADING ON-SITE & INSTALLED IN EXCAVATION BY OTHERS.
 • ELECTRIC SERVICE TO DISCONNECT OR SERVICE HOOKUP IS BY OTHERS.
 • STARTUP SERVICES ARE ESTIMATED AT NOT TO EXCEED ONE (8HR) DAY.

REV#	DATE	REMARKS
01	08/14/2025	SD SET
02	10/24/2025	CD SET
03	02/04/2026	BID SET



STAR CONSULTANTS, INC.
 ARCHITECTS & ENGINEERS
 design | strategy | vision

1970 Cowan Park Ct., Columbus, OH 43235
 Tel: 614.538.8444 Fax: 614.538.8446
 www.starconsultants.com

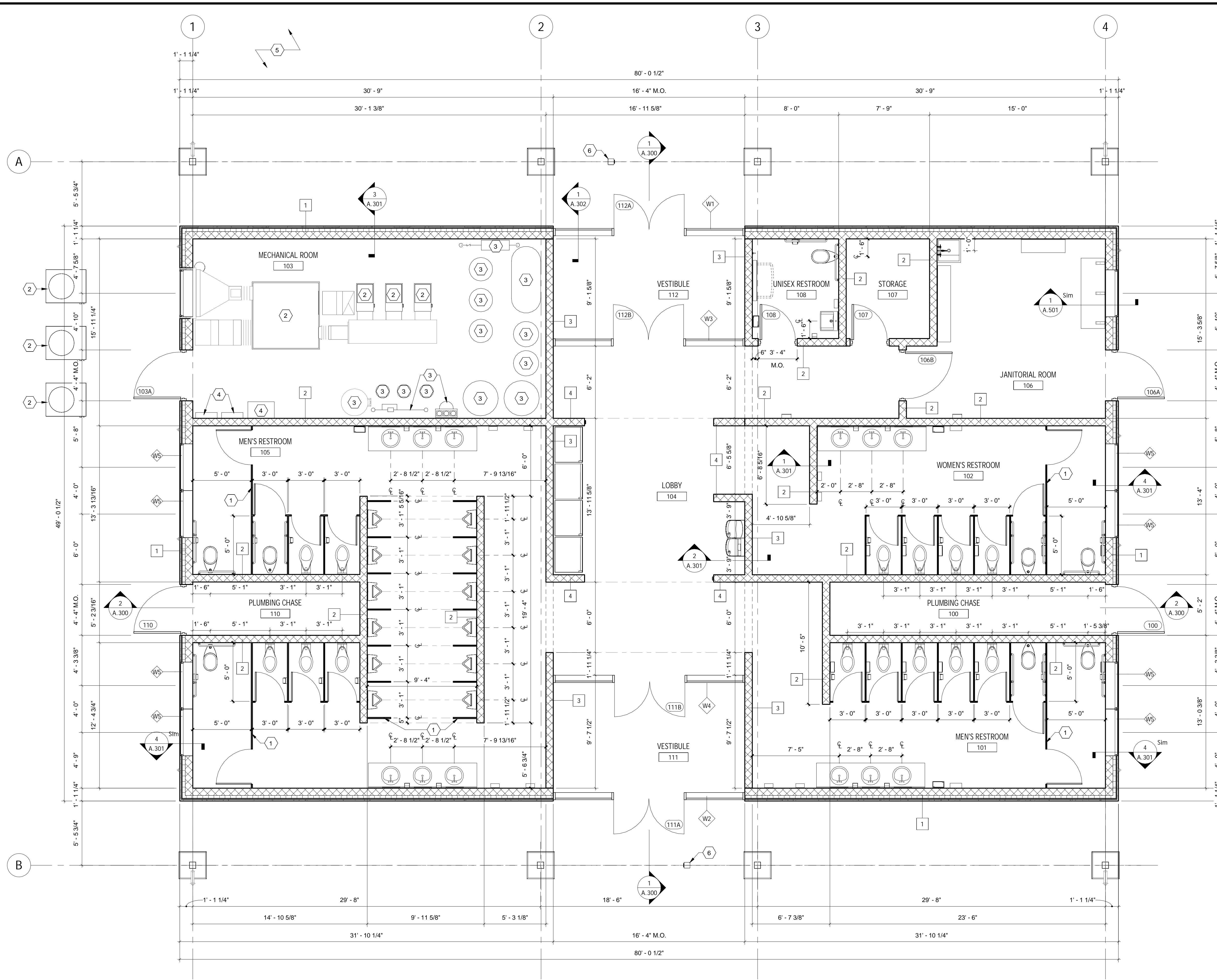
OHIO DEPARTMENT OF TRANSPORTATION

FACD08 RESTROOMS AT PREBLE TRUCK PARKING

170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

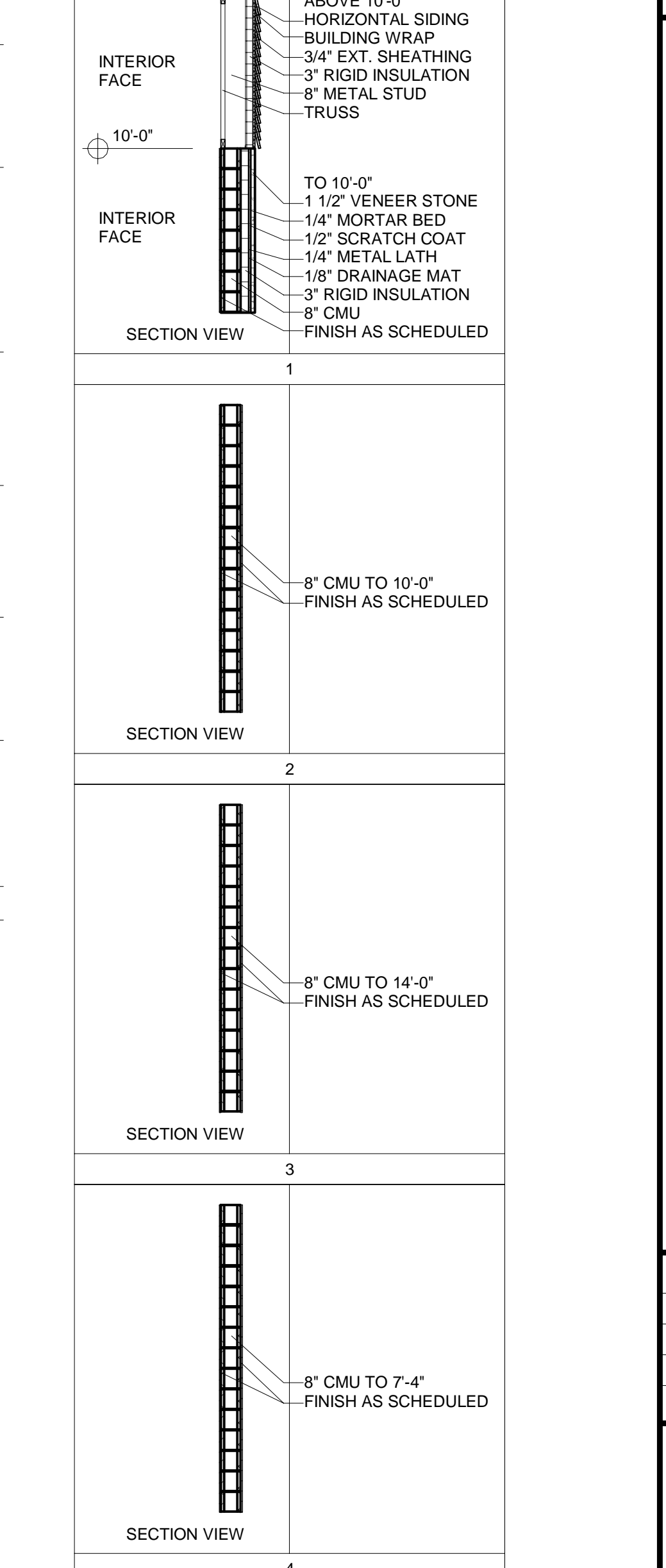
PROPOSED LIFT STATION DETAIL

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	MS
DGN. BY:	AM
REV. BY:	AA



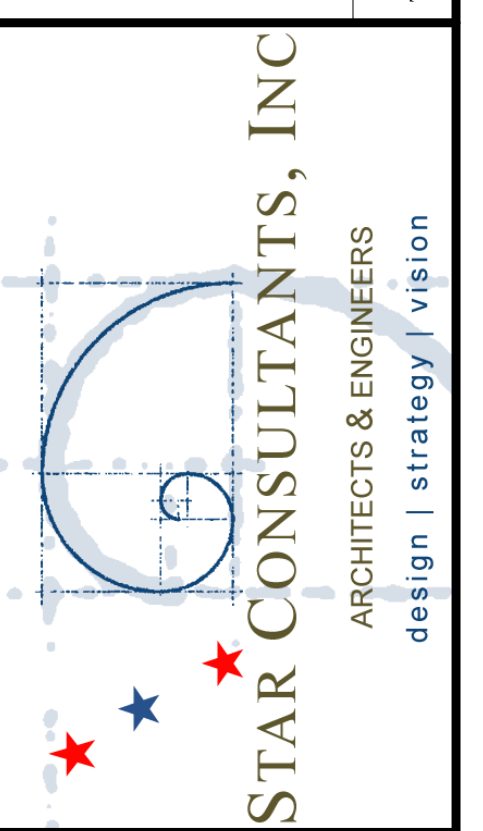
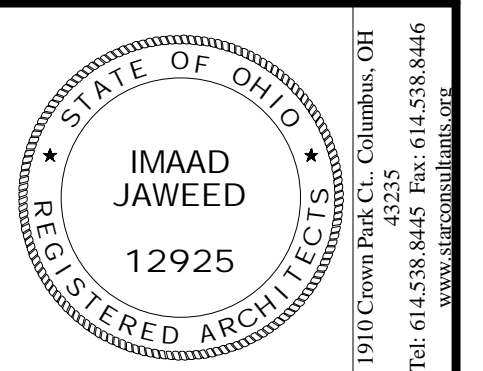
- GENERAL NOTES**
1. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
 2. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.
 3. THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM BELOW GRADE.
 4. THE BASE FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
 5. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS, TO ALLOW FOR DEFLECTION.
 6. HINGE SIDE OF SWING DOOR SHALL BE 4" FROM PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
 7. MAINTAIN ACOUSTIC AND/OR FIRE RATINGS AROUND RECESSED FIXTURES, PIPING, DUCTWORK, PENETRATIONS AND ALL OBSTRUCTIONS.
 8. AT PARTITIONS SCHEDULED TO RECEIVE TILE FINISH, PROVIDE TILE BACKER BOARD AS REQUIRED. ALL ASSEMBLIES SHOULD CONFORM TO REQUIREMENTS FOR ACOUSTIC AND FIRE RESISTANCE RATINGS INDICATED.
 9. DO NOT LOCATE OUTLET BOXES OPPOSITE ONE ANOTHER IN PARTITIONS (BACK-TO-BACK). LOCATE OUTLETS AT LEAST 12" APART AND IN SEPARATE STUD SPACES. CAULK PERIMETER OF OUTLET WITH ACOUSTICAL SEALANT.
 10. GC TO PROVIDE 20GA (FLAT STOCK) AND/OR WOOD BLOCKING AS REQUIRED AT ALL WALL MOUNTED FIXTURES, FURNITURE, APPLIANCES, MILLWORK, TELEVISION MOUNTS, ETC. VERIFY EXTENT AND LOCATION OF BLOCKING PRIOR TO GWB INSTALLATION.
 11. MAINTAIN INTEGRITY OF EXTERIOR WALL CONTINUITY, ASSEMBLIES, INSULATION AND FINISHES.
 12. ALL INTERIOR BLOCK WALL CORNERS WITHOUT TILE SHALL USE BULLNOSE OR DOUBLE BULLNOSE BLOCK. TILE WALLS SHALL USE SCHLUTER STRIPS TO ACHIEVE A BULLNOSE OR DOUBLE BULLNOSE.

- CODED NOTES**
1. RESTROOM PARTITIONS TO BE 1" THICK, TYP.
 2. MECHANICAL EQUIPMENT, REFER TO MECHANICAL PLANS.
 3. PLUMBING EQUIPMENT, REFER TO PLUMBING PLANS.
 4. ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL PLANS.
 5. 10,000 GALLON UNDERGROUND WATER STORAGE TANK, REFER TO CIVIL, PLUMBING, ELECTRICAL AND STRUCTURAL DRAWINGS



REVISIONS

REV.	DATE	REMARKS
02	04/2026	BID SET

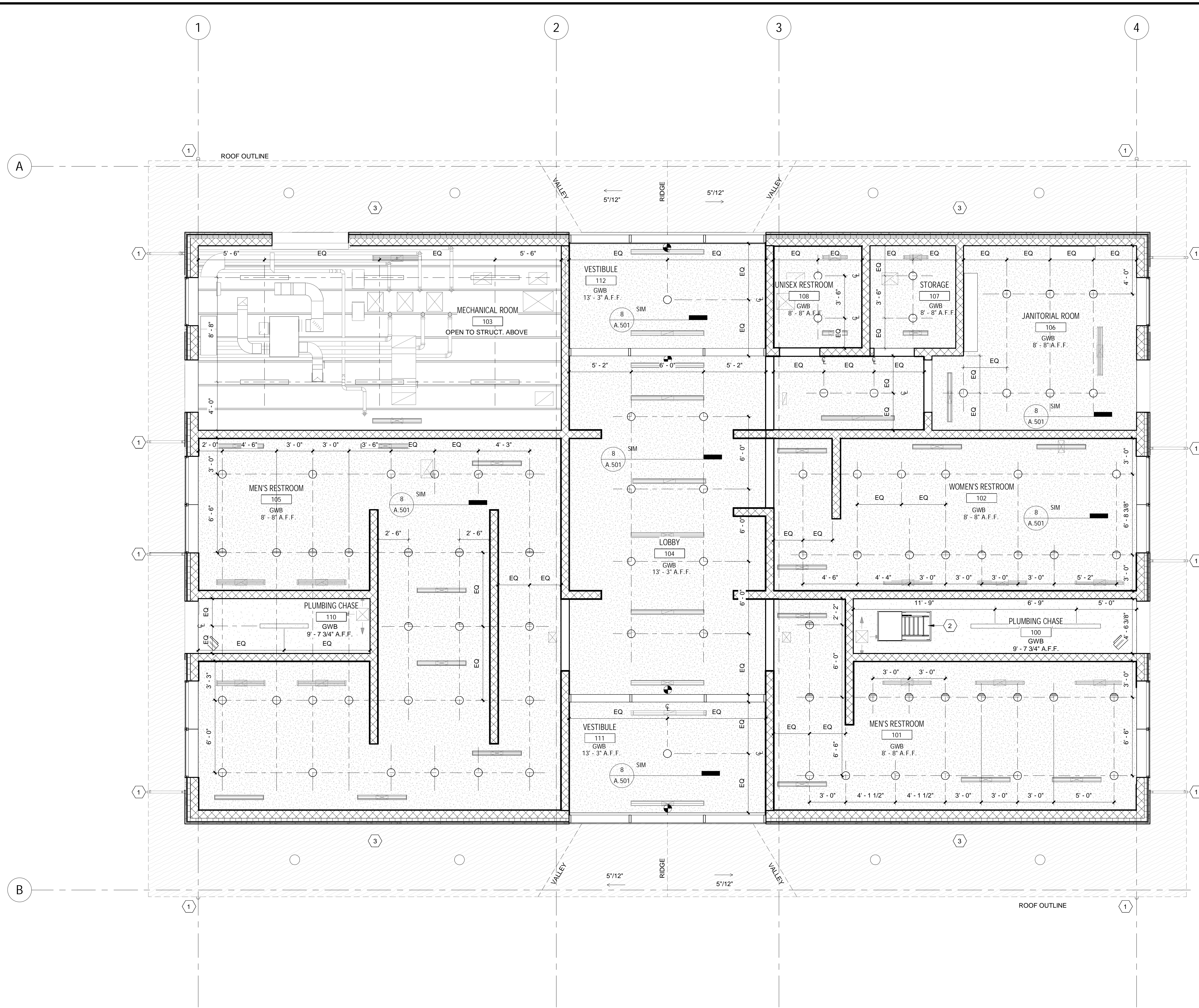


OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 DIMENSIONED FLOOR PLAN

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	DAZ
DGN. BY:	DAZ
REV. BY:	AA

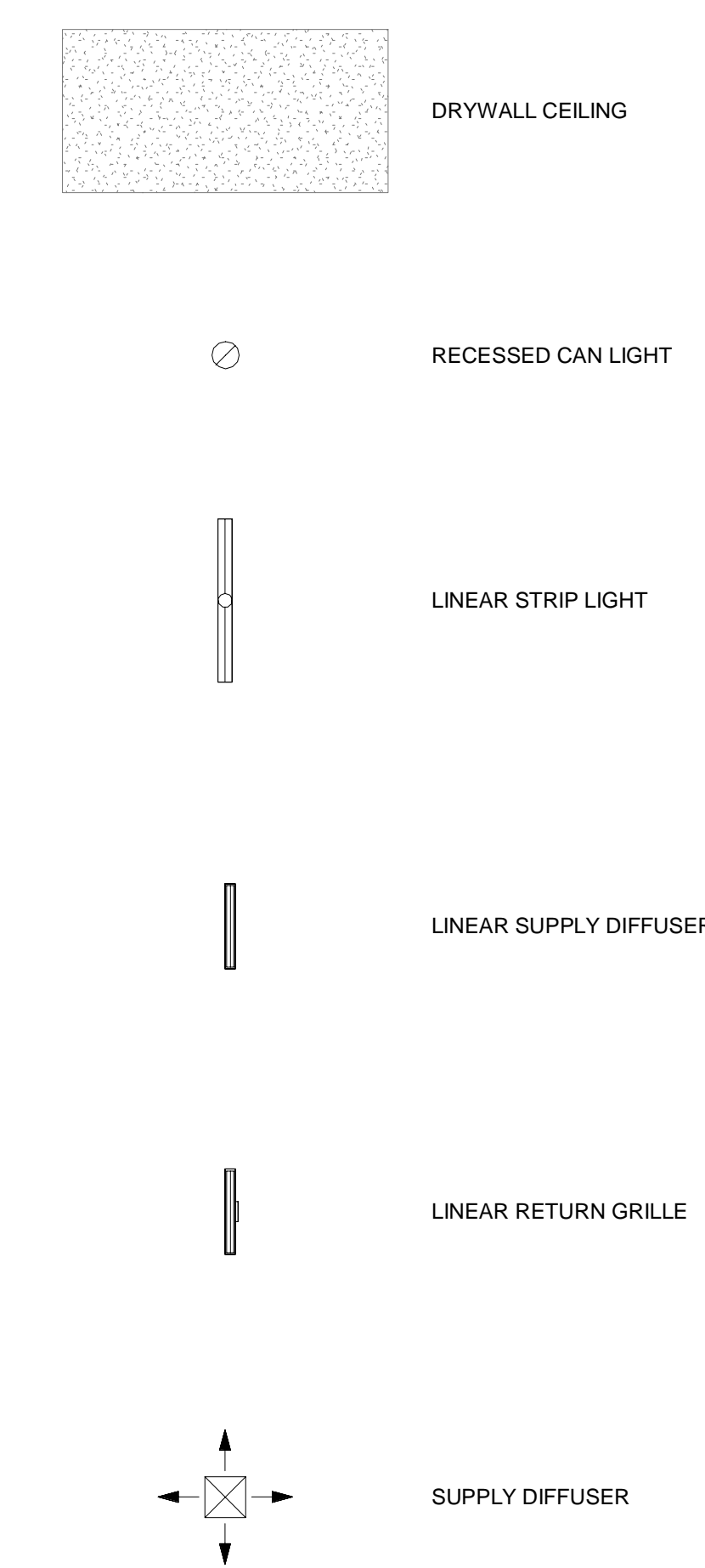
SHEET
A.101

1 DIMENSIONED FLOOR PLAN
 1/4" = 1'-0"

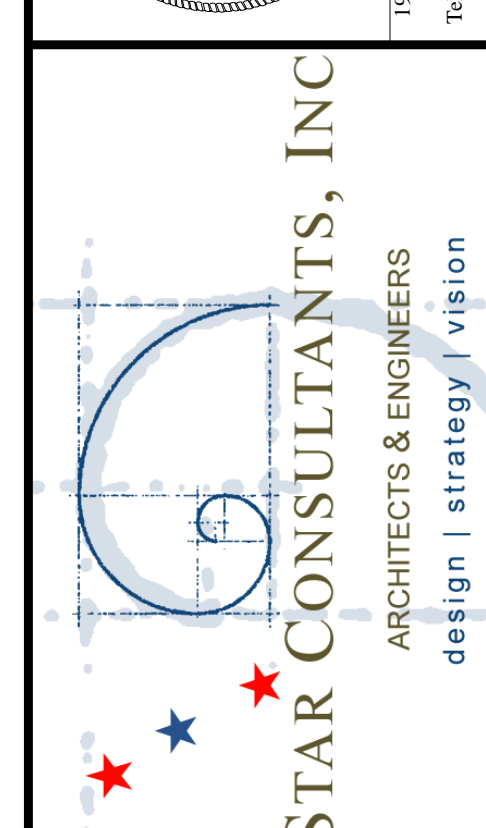
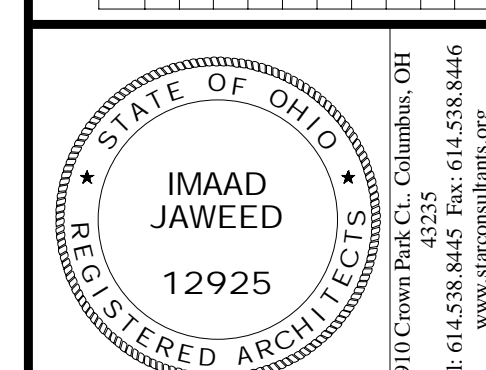


- REFLECTED CEILING PLAN GENERAL NOTES**
- ALL CEILING HEIGHTS ARE FROM FINISH FLOOR U.O.N.
 - ALL NEW SWITCHES TO BE MOUNTED 4'-0" A.F.F. (U.O.N.) TO CENTER LINE OF SWITCH. MULTIPLE SWITCHES/DIMMERS TO BE GANGED & PROVIDED WITH SINGLE GANG PLATE.
 - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - DIMENSIONS ARE TO THE CENTERLINE OF FIXTURE U.O.N.
 - THE CONTRACTOR SHALL CHECK AND VERIFY ALL CEILING HEIGHTS AND CONDITIONS FOR CLEARANCE OF MECHANICAL UNITS, DUCTWORK, PIPING, LIGHT FIXTURES, ETC. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY COMPLICATIONS WITH HEIGHT PRIOR TO START OF CONSTRUCTION.
 - SEE ELECTRICAL DRAWINGS FOR ALL LIGHT FIXTURE CIRCUITING, SWITCHING AND RELATED WORK AND FOR QUANTITIES OF ALL CEILING DIFFUSERS, DUCTWORK LAYOUTS.
 - PROVIDE AND INSTALL APPROPRIATE LAMPS AS REQ'D BY SPECIFIED LIGHT FIXTURES.
 - PROVIDE MOISTURE RESISTANT GWB IN RESTROOMS, JANITORS CLOSETS AND OTHER WET OR DAMP LOCATIONS.

- CODED NOTES**
- DOWNSPROUTS
 - ROOF ACCESS LADDER
 - SOFFIT MATERIAL (MEDIUM DENSITY PRE-FINISHED FIBER CEMENT COMPOSITE BOARD) SIZE (24" X 96") THICKNESS (1/2") FINISH (BEADBOARD) COLOR (FACTORY APPLIED PRIMER & PAINT) REFER TO DETAIL 6 ON SHEET A.500.



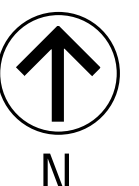
REV.	DATE	REMARKS
02	04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
REFLECTED CEILING PLAN

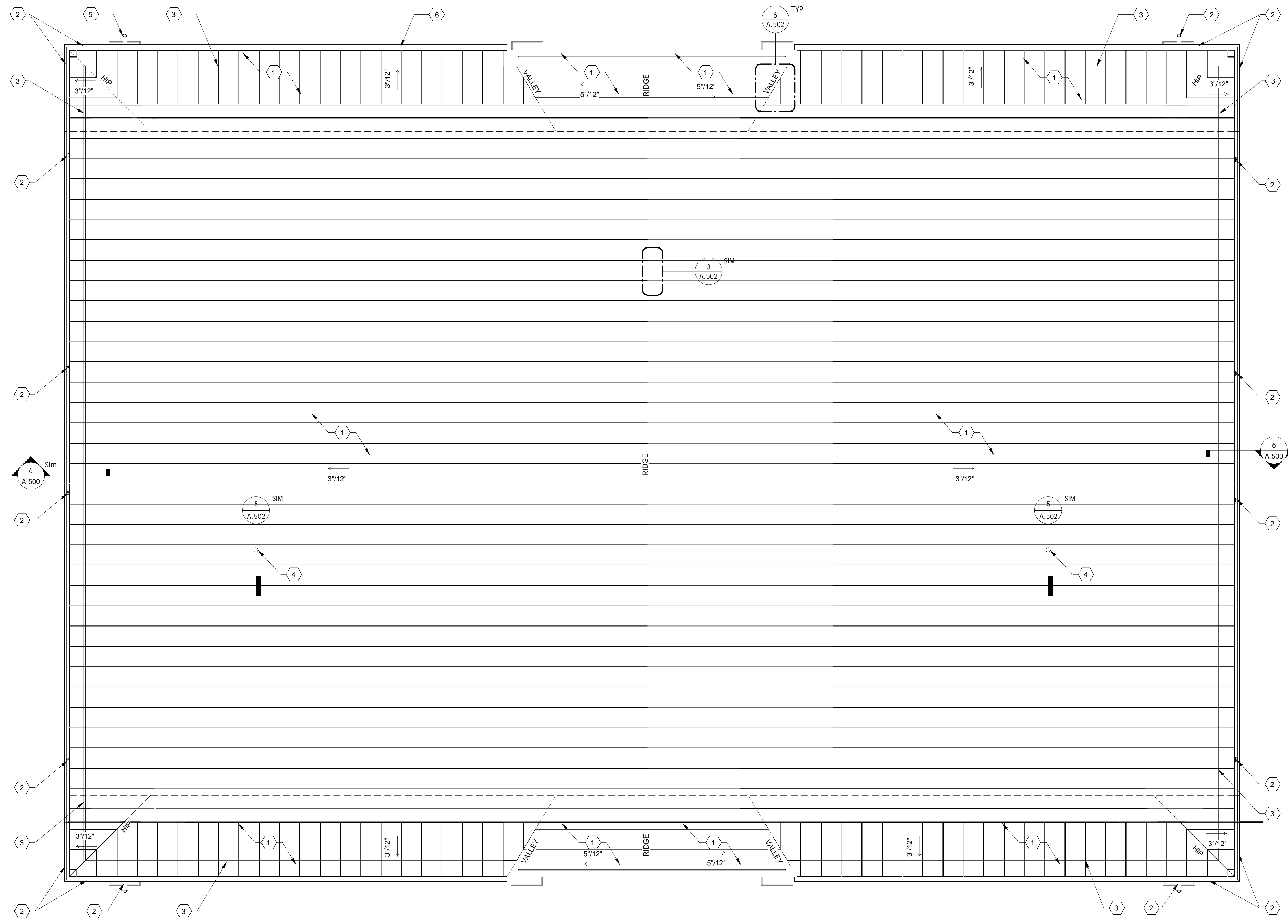
PJT #:	250009
DATE:	10/29/2025
DRN. BY:	DAZ
DGN. BY:	DAZ
REV. BY:	AA

SHEET
A.102



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

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



ROOF PLAN CODED NOTES:

1. STANDING SEAM METAL ROOF.
2. GUTTER AND DOWNSPOUTS.
3. 2 ROWS OF METAL SNOW GUARDS, PROVIDE ENGINEERED SHOP DRAWINGS FOR APPROVAL.
4. VTR. VERIFY EXACT LOCATION IN FIELD PRIOR TO CONSTRUCTION, REFER TO ROOF DETAILS. SEE DETAIL 5 ON SHEET A.502

ROOF DRAIN CALCULATIONS

BASED ON SMACNA ROOF DRAIN CALCULATOR

PRECIPITATION RATE INCHES/HOUR-BASED ON 15-MINUTE PRECIPITATION = 0.701"

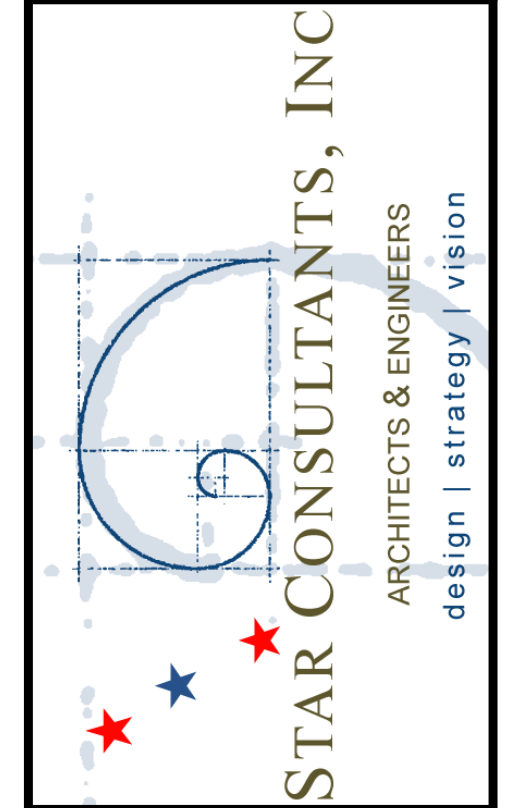
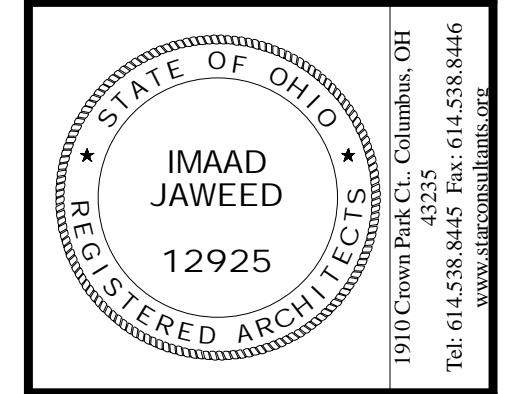
ROOF RAINFALL DESIGN AREA = 2,619 SF

LENGTH OF GUTTERS = 259'

NUMBER OF DOWNSPOUTS REQUIRED = 6

MINIMUM SIZE OF DOWNSPOUTS = 3"

REV.	DATE	REMARKS
02	04/2026	BID SET



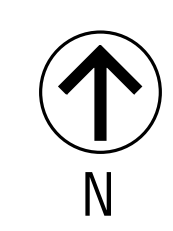
OHIO DEPARTMENT OF TRANSPORTATION

FACD08 RESTROOMS AT PREBLE TRUCK PARKING

1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

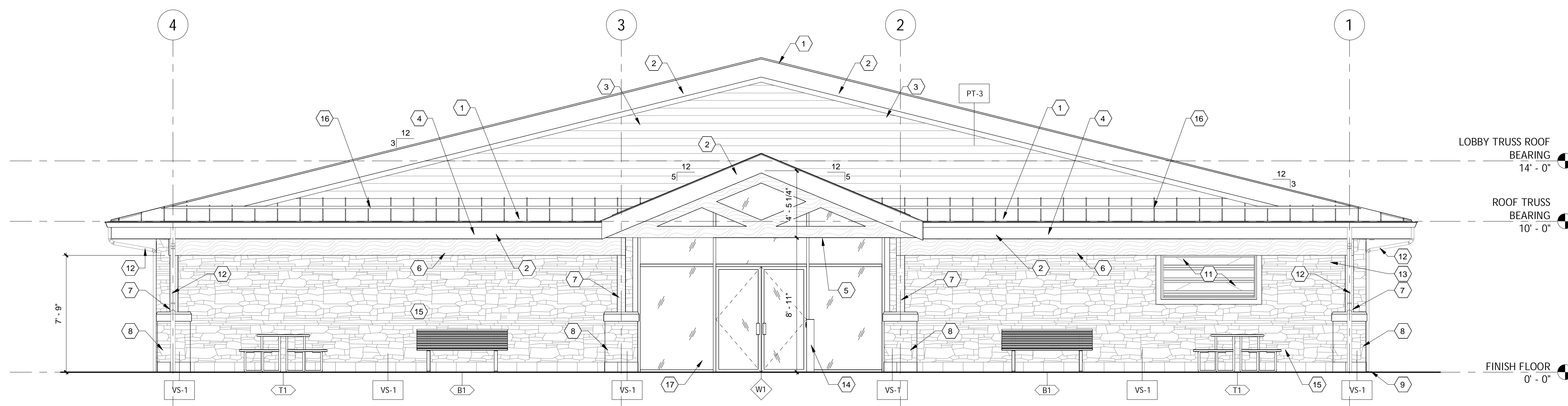
ROOF PLAN

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	DAZ
DGN. BY:	DAZ
REV. BY:	AA

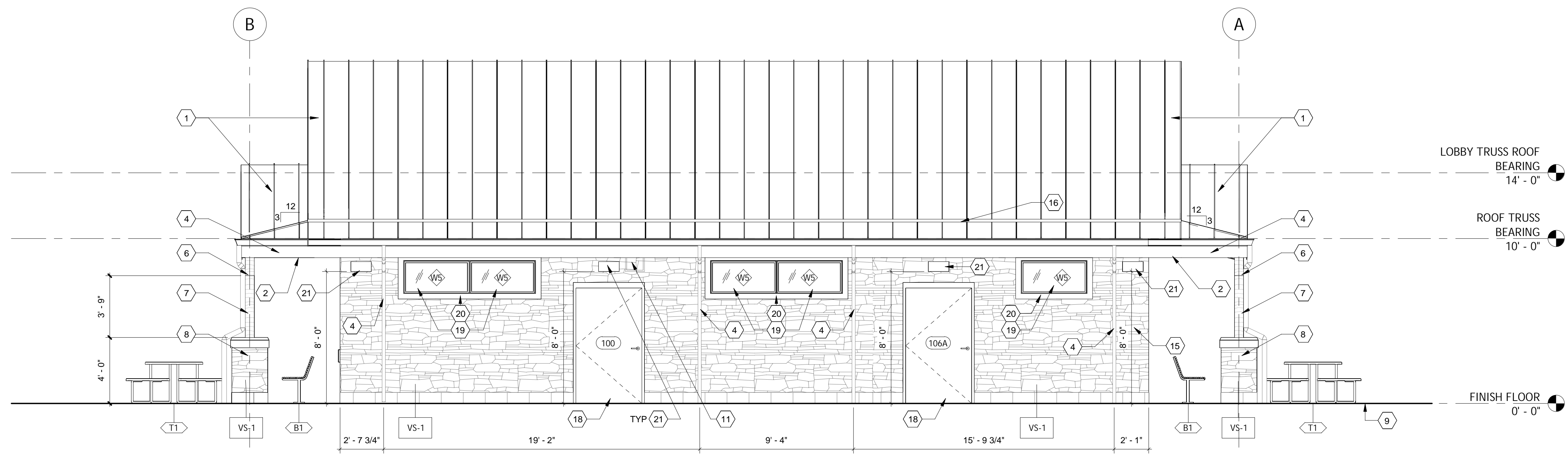


1 ROOF PLAN
1/4" = 1'-0"

SHEET
A.103



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

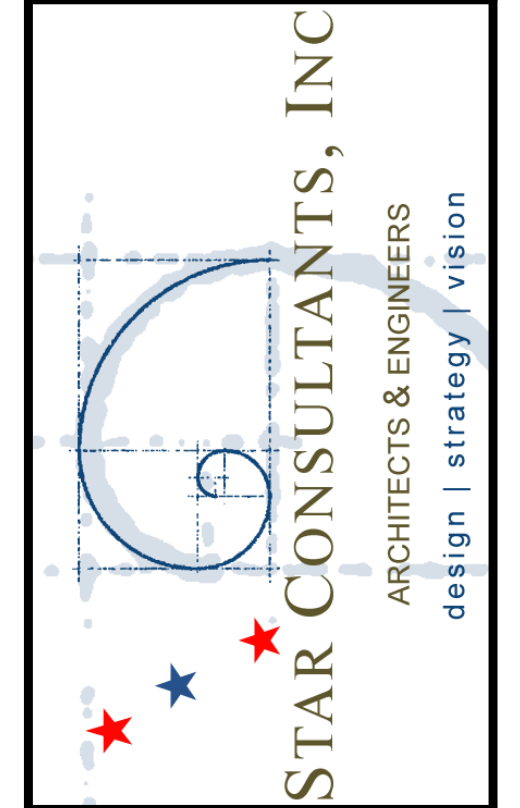
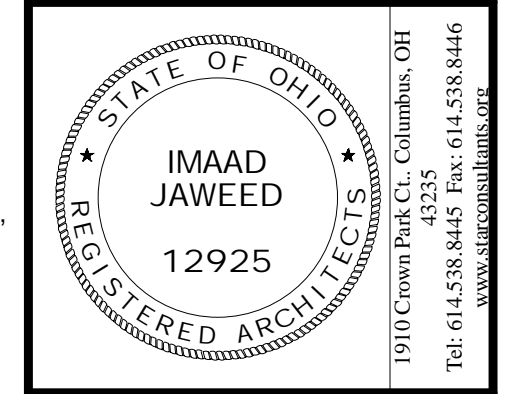


2 EAST ELEVATION
1/4" = 1'-0"

ELEVATION CODED NOTES

1. STANDING SEAM METAL ROOF PANEL SYSTEM, TYP
2. METAL FASCIA, TYP
3. HORIZONTAL SIDING, TYP
4. PRE-FINISHED ALUMINUM GUTTERS AND DOWNSPOUT, TYP
5. WOOD WRAPPED DECORATIVE TRUSS, FINISHED TO MATCH WD-1
6. WOOD WRAPPED BEAM, TYP. FINISHED TO MATCH WD-1, REFER TO EXTERIOR DETAILS 1 ON SHEET A.302
7. WOOD WRAPPED COLUMN, TYP. FINISHED TO MATCH WD-1, REFER TO EXTERIOR DETAILS 1, 2, 4 & 5 ON SHEET A.500
8. COLUMN BASE, TYP, REFER TO EXTERIOR DETAILS
9. APPROXIMATE GRADE, TYP. REFER TO CIVIL DRAWINGS.
10. FAN COIL UNIT. REFER TO MECHANICAL DRAWINGS.
11. HVAC LOUVER, REFER TO MECHANICAL DRAWINGS.
12. DOWNSPOUT TO BOOT AND STORM DRAIN, TYP.
13. PROVIDE BUILDING ADDRESS NUMBERING, VERIFY EXACT SIZE, STYLE AND PLACEMENT WITH LOCAL JURISDICTION
14. AUTOMATIC DOOR OPERATOR ON POST. WOOD FINISH TO MATCH BEAMS AND COLUMNS, TYP.
15. VENEER STONE, REFER TO WALL SCHEDULE
16. SNOW GUARD, REFER TO ROOF PLAN
17. STOREFRONT ENTRY, REFER TO STOREFRONT SCHEDULE ON SHEET A.601
18. EXTERIOR DOOR, REFER TO DOOR SCHEDULE SHEET A.601
19. WINDOW, REFER TO WINDOW SCHEDULE SHEET A.601
20. 1 X 4 TRIM AROUND WINDOW
21. WALL PACK LIGHT, REFER TO ELECTRICAL DRAWINGS

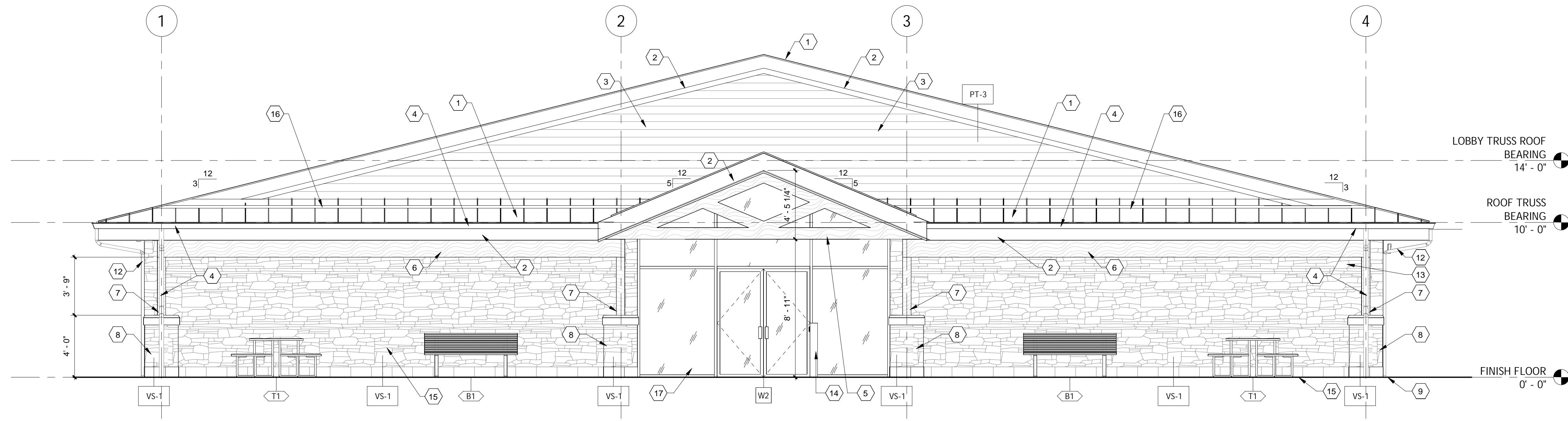
REV.	DATE	REMARKS
02	04/2026	BID SET



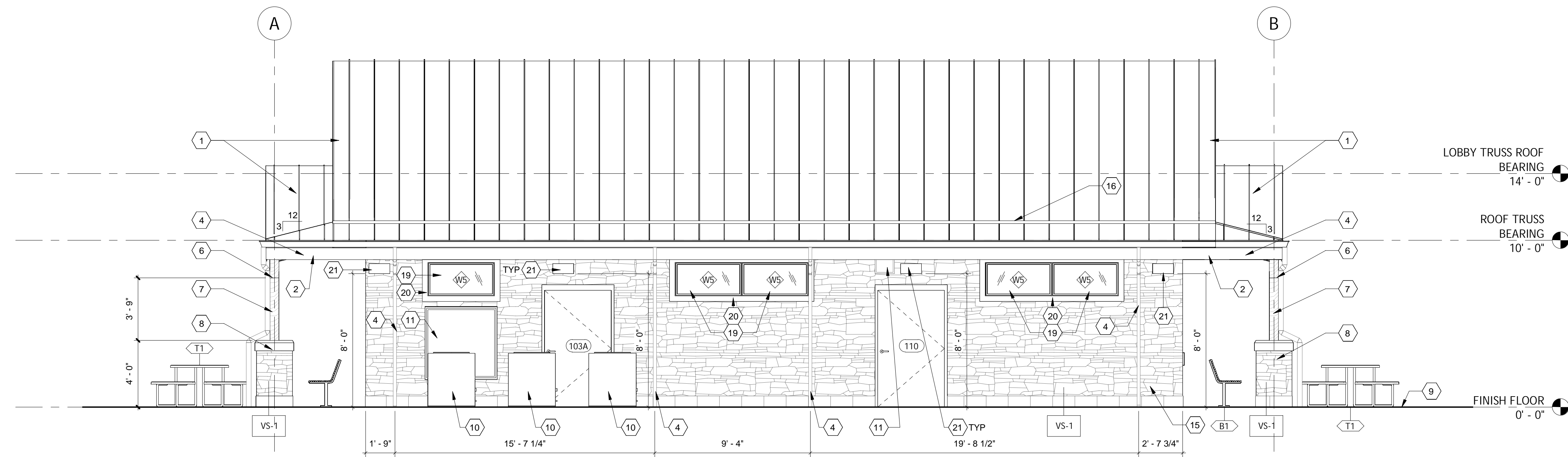
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 EXTERIOR ELEVATIONS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	DAZ
DGN. BY:	DAZ
REV. BY:	AA

SHEET
A.200



1 SOUTH ELEVATION
1/4" = 1'-0"

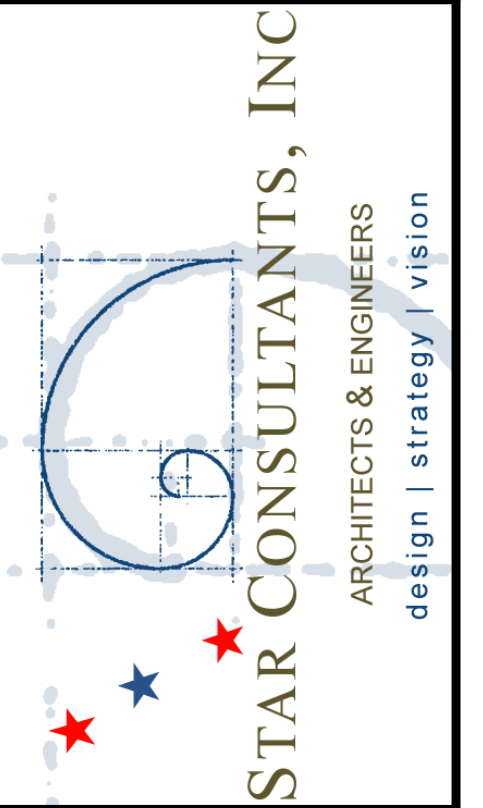
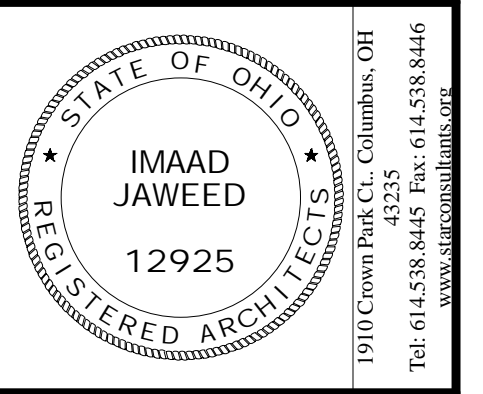


2 WEST ELEVATION
1/4" = 1'-0"

ELEVATION CODED NOTES

1. STANDING SEAM METAL ROOF PANEL SYSTEM, TYP
2. METAL FASCIA, TYP
3. HORIZONTAL SIDING, TYP
4. PRE-FINISHED ALUMINUM GUTTERS AND DOWNSPOUT, TYP
5. WOOD WRAPPED DECORATIVE TRUSS, FINISHED TO MATCH WD-1
6. WOOD WRAPPED BEAM, TYP, FINISHED TO MATCH WD-1, REFER TO EXTERIOR DETAILS 1 ON SHEET A.302
7. WOOD WRAPPED COLUMN, TYP, FINISHED TO MATCH WD-1, REFER TO EXTERIOR DETAILS 1, 2, 4 & 5 ON SHEET A.500
8. COLUMN BASE, TYP, REFER TO EXTERIOR DETAILS
9. APPROXIMATE GRADE, TYP. REFER TO CIVIL DRAWINGS.
10. FAN COIL UNIT. REFER TO MECHANICAL DRAWINGS.
11. HVAC LOUVER, REFER TO MECHANICAL DRAWINGS.
12. DOWNSPOUT TO BOOT AND STORM DRAIN, TYP.
13. PROVIDE BUILDING ADDRESS NUMBERING, VERIFY EXACT STYLE AND PLACEMENT WITH LOCAL JURISDICTION
14. AUTOMATIC DOOR OPERATOR ON POST. WOOD FINISH TO MATCH BEAMS AND COLUMNS, TYP.
15. VENEER STONE, REFER TO WALL SCHEDULE
16. SNOW GUARD, REFER TO ROOF PLAN
17. STOREFRONT ENTRY, REFER TO STOREFRONT SCHEDULE ON SHEET A.601
18. EXTERIOR DOOR, REFER TO DOOR SCHEDULE SHEET A.601
19. WINDOW, REFER TO WINDOW SCHEDULE SHEET A.601
20. 1 X 4 TRIM AROUND WINDOW
21. WALL PACK LIGHT, REFER TO ELECTRICAL DRAWINGS

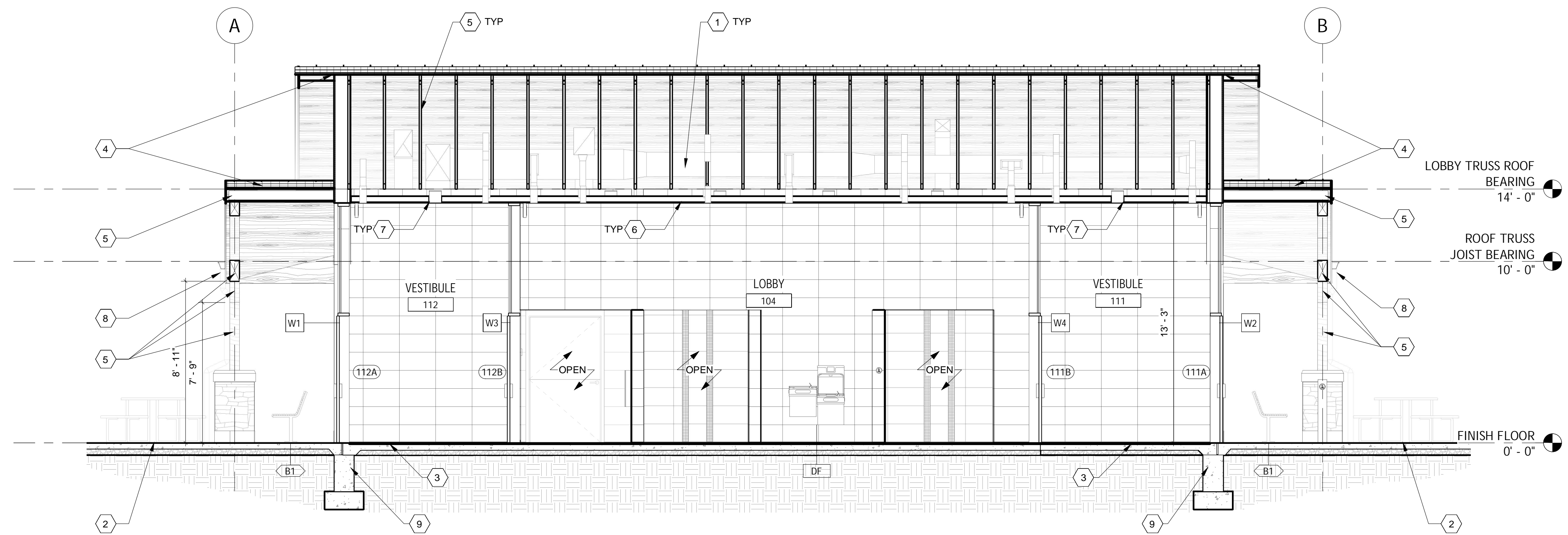
REVISIONS	
REV.	DATE
	02/04/2026
	BID SET



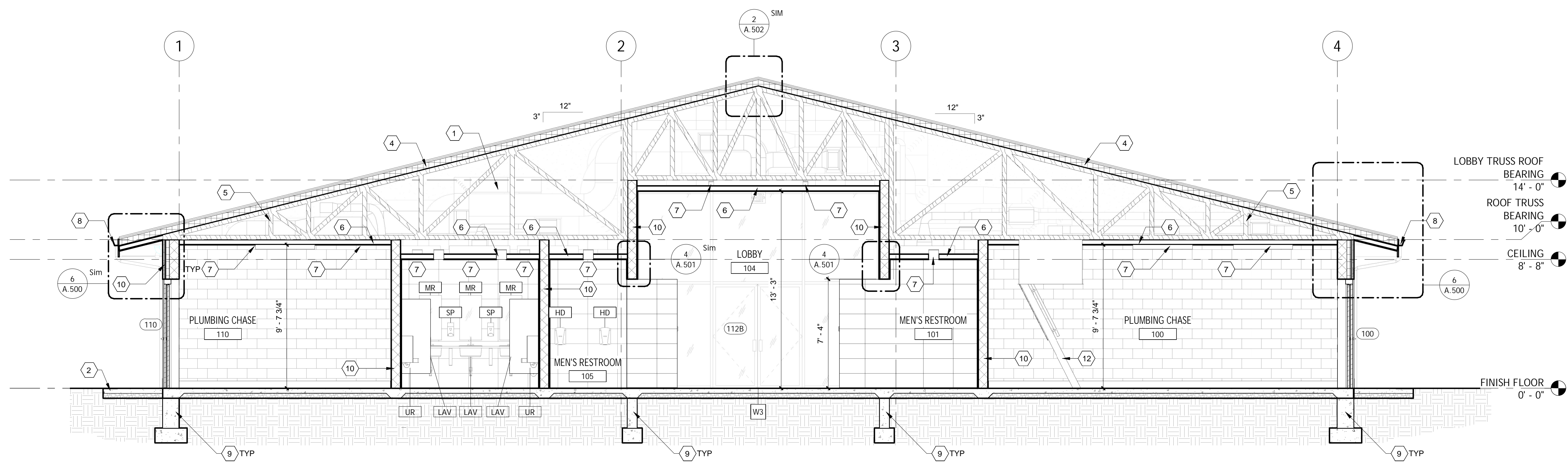
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 EXTERIOR ELEVATIONS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	DAZ
DGN. BY:	DAZ
REV. BY:	AA

SHEET
A.201



1 BUILDING SECTION - LOBBY
1/4" = 1'-0"

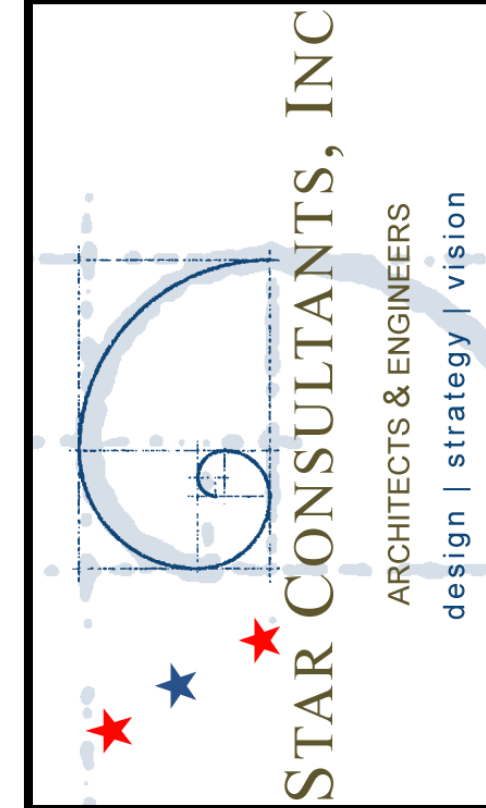
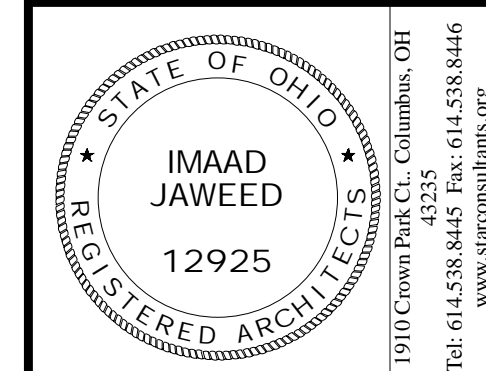


2 BUILDING SECTION - ROOMS
1/4" = 1'-0"

BUILDING SECTION CODED NOTES

1. MECHANICAL EQUIPMENT. SEE MECHANICAL DWGS FOR MORE INFORMATION
2. FINISHED GRADE, AS OCCURS
3. CONCRETE FLOOR, REFER TO STRUCTURAL DRAWINGS
4. ROOF, AS OCCURS
5. STRUCTURAL MEMBER, TYP, REFER TO STRUCTURAL DRAWINGS
6. CEILING, REFER TO CEILING PLAN
7. LIGHTING, REFER TO ELECTRICAL PLANS
8. GUTTER, REFER TO ROOF PLAN
9. FOUNDATION AND FOOTER, REFER TO STRUCTURAL PLANS
10. WALL, AS OCCURS, REFER TO DIMENSIONED FLOOR PLAN WALL TYPE SCHEDULE
11. VENDING ALCOVE WALL
12. ATTIC ACCESS LADDER

REV.	DATE	REMARKS
02	04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 BUILDING SECTIONS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	A.AHMED
DGN. BY:	DAZ
REV. BY:	AA

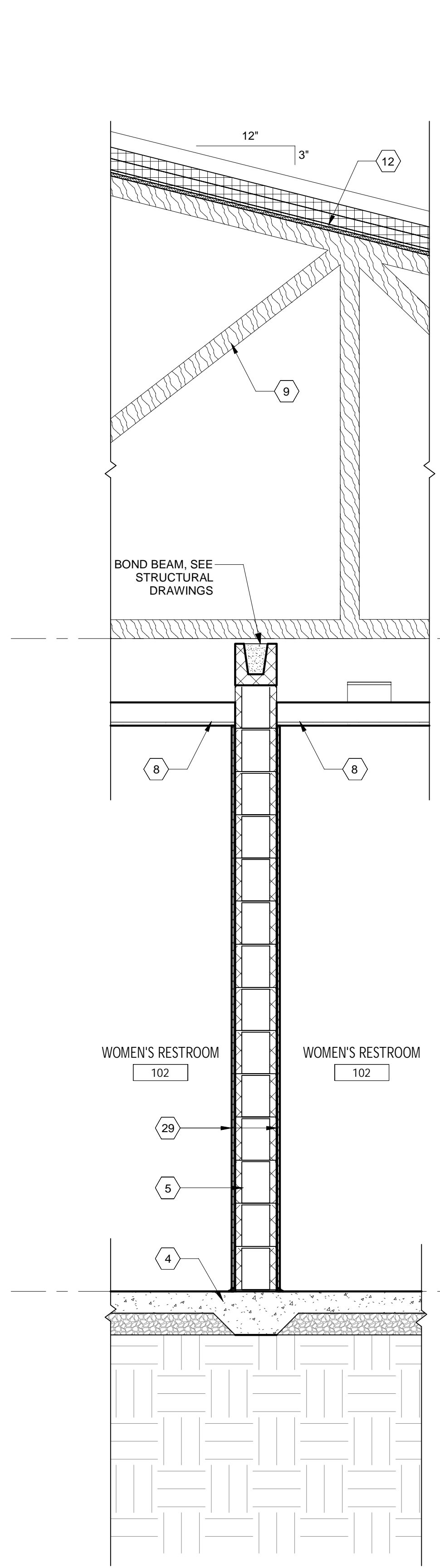
SHEET
A.300

CODED NOTES

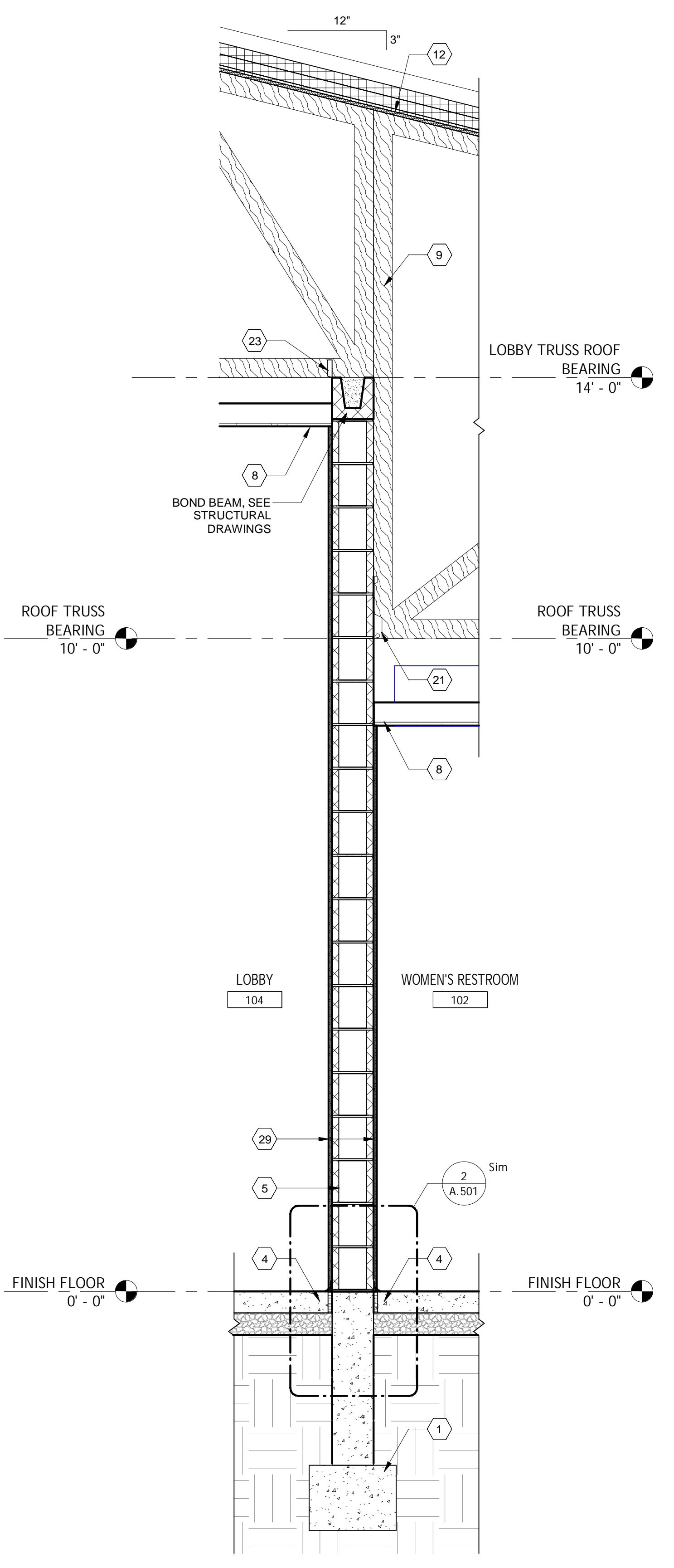
1. CONCRETE FOUNDATION AND FOOTER, REFER TO STRUCTURAL.
2. CONTINUOUS FOUNDATION INSULATION, MIN. 2'-0" BELOW SLAB.
3. FINISH GRADE, REFER TO CIVIL.
4. CONCRETE SLAB OVER 10 MIL VAPOR BARRIER AND AGGREGATE BASE. TURN SLAB DOWN TO TOP OF FOOTINGS AT OPENINGS. REFER TO FLOOR PLANS FOR SLOPE AND ELEVATION, REFER TO STRUCTURAL FOR CONSTRUCTION DETAILS.
5. 8" CMU WALL, REFER TO WALL SCHEDULE FOR ADDITIONAL INFORMATION.
6. ROOF FLASHING AND DRIP EDGE
7. 8" METAL STUD WITH 3" RIGID INSULATION, 3/4" EXTERIOR SHEATHING, BUILDING WRAP AND HORIZONTAL SIDING, REFER TO WALL SCHEDULE FOR ADDITIONAL INFORMATION.
8. COMPOUND GWB CEILING, REFER TO REFLECTED CEILING PLAN.
9. ROOF TRUSS (REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION).
10. STEEL BEAM (REFER TO STRUCTURAL DRAWINGS), WITH MECHANICALLY FASTENED 2x MEMBERS TOP AND BOTTOM WRAPPED IN 1x HARD WOOD WITH MITERED CORNERS TO MIMIC 6 1/2"x14" SOLID WOOD BEAM
11. STANDING SEAM ROOF (PORCH COVER)
12. 5/8" EXTERIOR SHEATHING, VAPOR BARRIER, HIGH DENSITY COVER BOARD, R-24 POLYISO XPS RIGID INSULATION (2' LAYER AND NAILABLE 2' LAYER), MECHANICALLY FASTENED TO SUBSTRATE, HIGH-TEMP SELF-ADHERED ICE/WATER SHIELD, 24 GA, 12' STANDING SEAM METAL ROOF
13. GUTTER AND DRIP EDGE
14. FIBER CEMENT FASCIA & 1x10 SUB FASCIA
15. 2 X 10 @ 16" O.C ROOF RAFTER IN JOIST HANGER MECHANICALLY FASTENED TO LEDGER BOARD, MECHANICALLY FASTENED THROUGH WALL TO STUD

CODED NOTES CONT'D

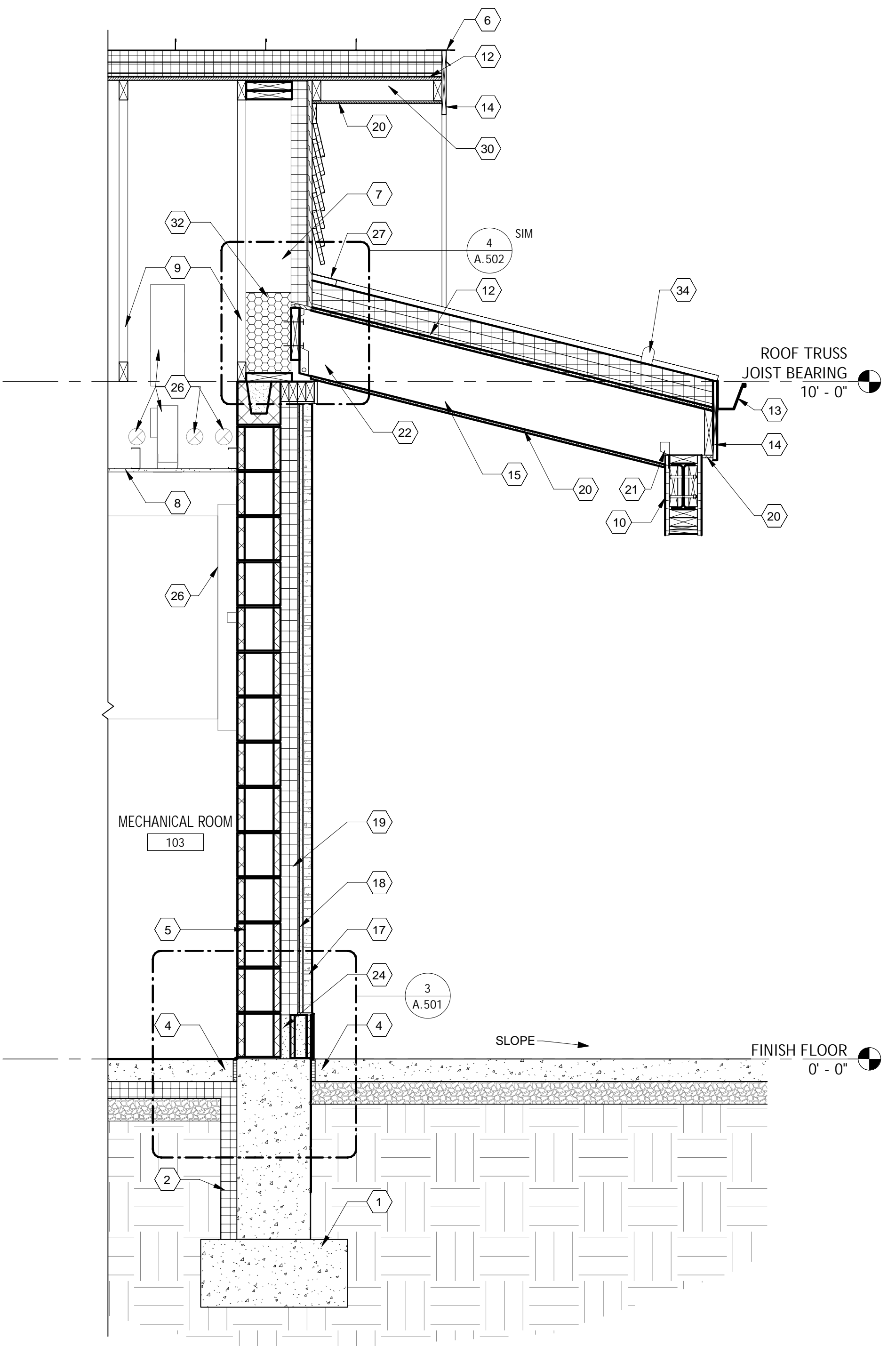
16. HORIZONTAL CLEARSTORY WINDOW
17. STONE VENEER OVER MORTAR BED, SCRATCH COAT AND METAL LATH.
18. 1/8" SURE CAVITY WIDE DRAINAGE MAT
19. 3" RIGID INSULATION, R-15 MIN., ADHESIVE APPLIED AND MECHANICALLY FASTENED TO CMU
20. 1/2" WOOD SOFFIT, STAINED TO MATCH WD-1
21. SIMPSON H3 HURRICANE TIE
22. SIMPSON LSSR SLOPEABLE RAFTER HANGER
23. SIMPSON HM9 HURRICANE TIE
24. GROUT ALL VOIDS SOLID.
25. 5/8" DRYWALL
26. MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS
27. FLASHING
28. STEEL MEMBER (REFER TO STRUCTURAL DRAWINGS), WITH MECHANICALLY FASTENED 2x MEMBERS TOP AND BOTTOM WRAPPED IN 1x HARD WOOD WITH MITERED CORNERS TO MIMIC SOLID WOOD TRUSS
29. WALL FINISH WITH COVED BASE, REFER TO FINISH PLAN
30. 2x4 @ 24" O.C. RAKE LADDER
31. SIMPSON HUS28 HEAVY U SHAPED JOIST HANGER
32. FILL VOIDS IN EXTERIOR WALLS FULL OF SPRAY FOAM INSULATION
33. BOX BEAM, REFER TO STRUCTURAL DRAWINGS
34. SNOW GUARD, REFER TO ROOF PLAN
35. WOOD WRAPPED BEAM, TYP, REFER TO EXTERIOR DETAILS 1 ON SHEET A.302
36. WOOD WRAPPED COLUMN, TYP, REFER TO EXTERIOR DETAILS 1, 2, 4 & 5 ON SHEET A.500
37. STOREFRONT ENTRY, REFER TO INTERIOR ELEVATION 1 & 2 ON SHEET A.401



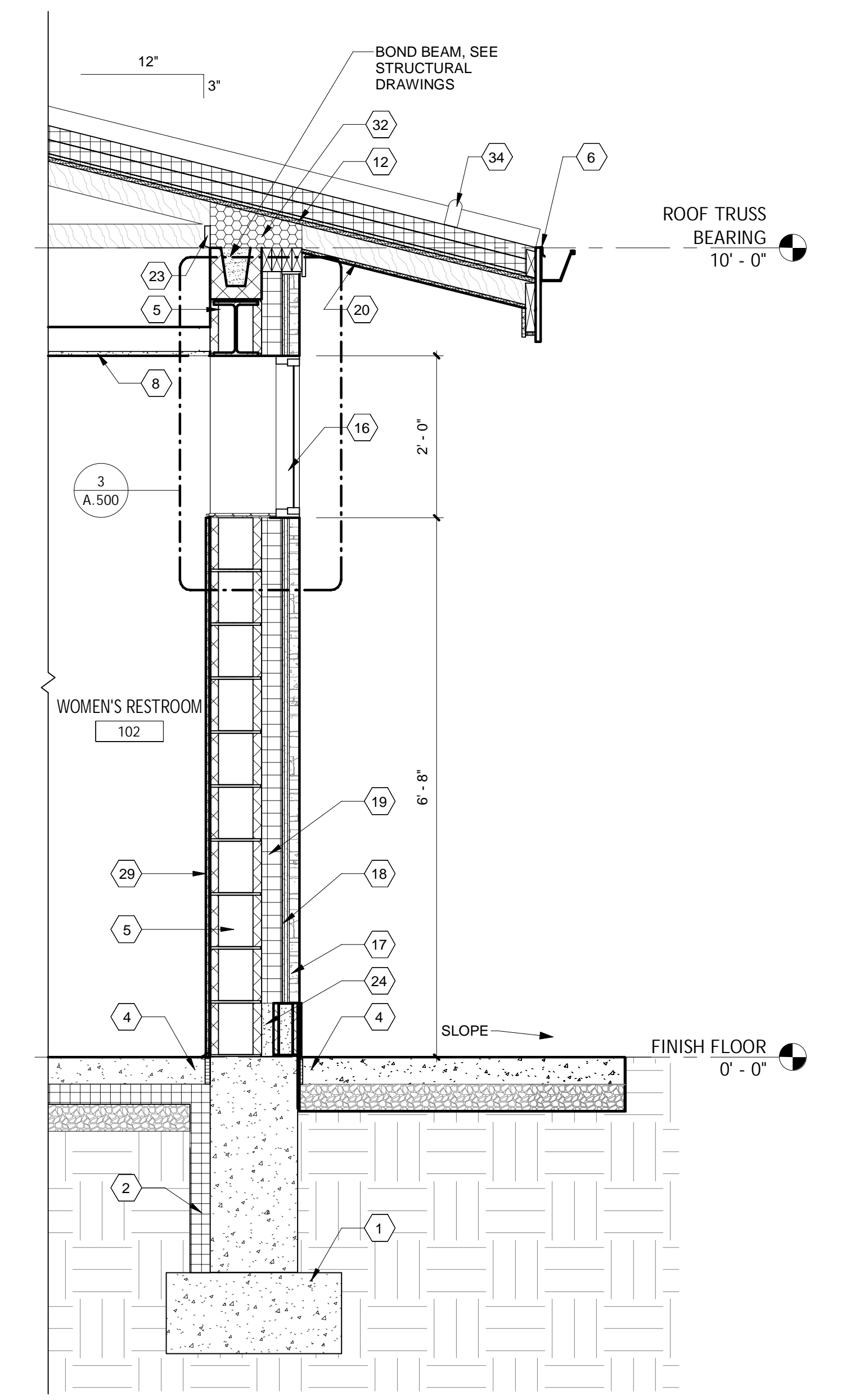
1 INTERIOR WALL SECTION
3/4" = 1'-0"



2 INTERIOR WALL SECTION
3/4" = 1'-0"

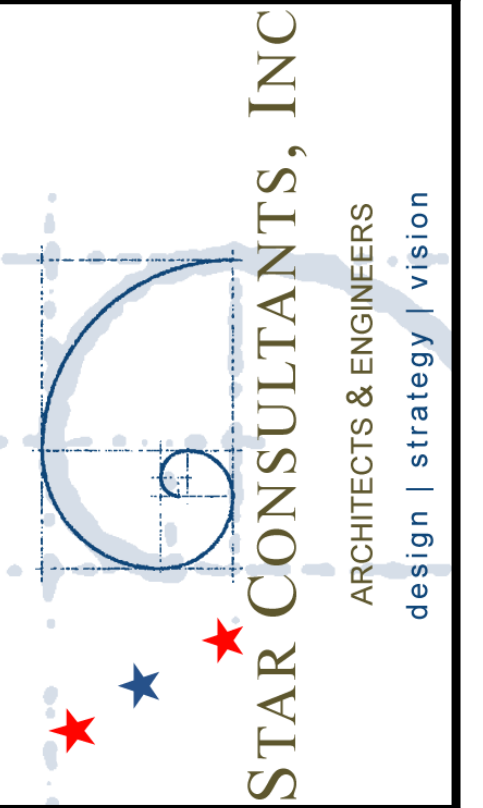
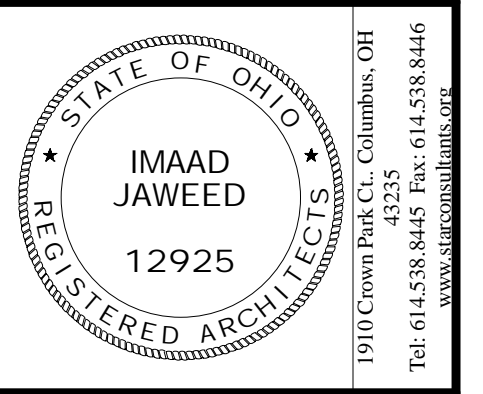


3 TYPICAL WALL SECTION
3/4" = 1'-0"



4 TYPICAL WALL SECTION
3/4" = 1'-0"

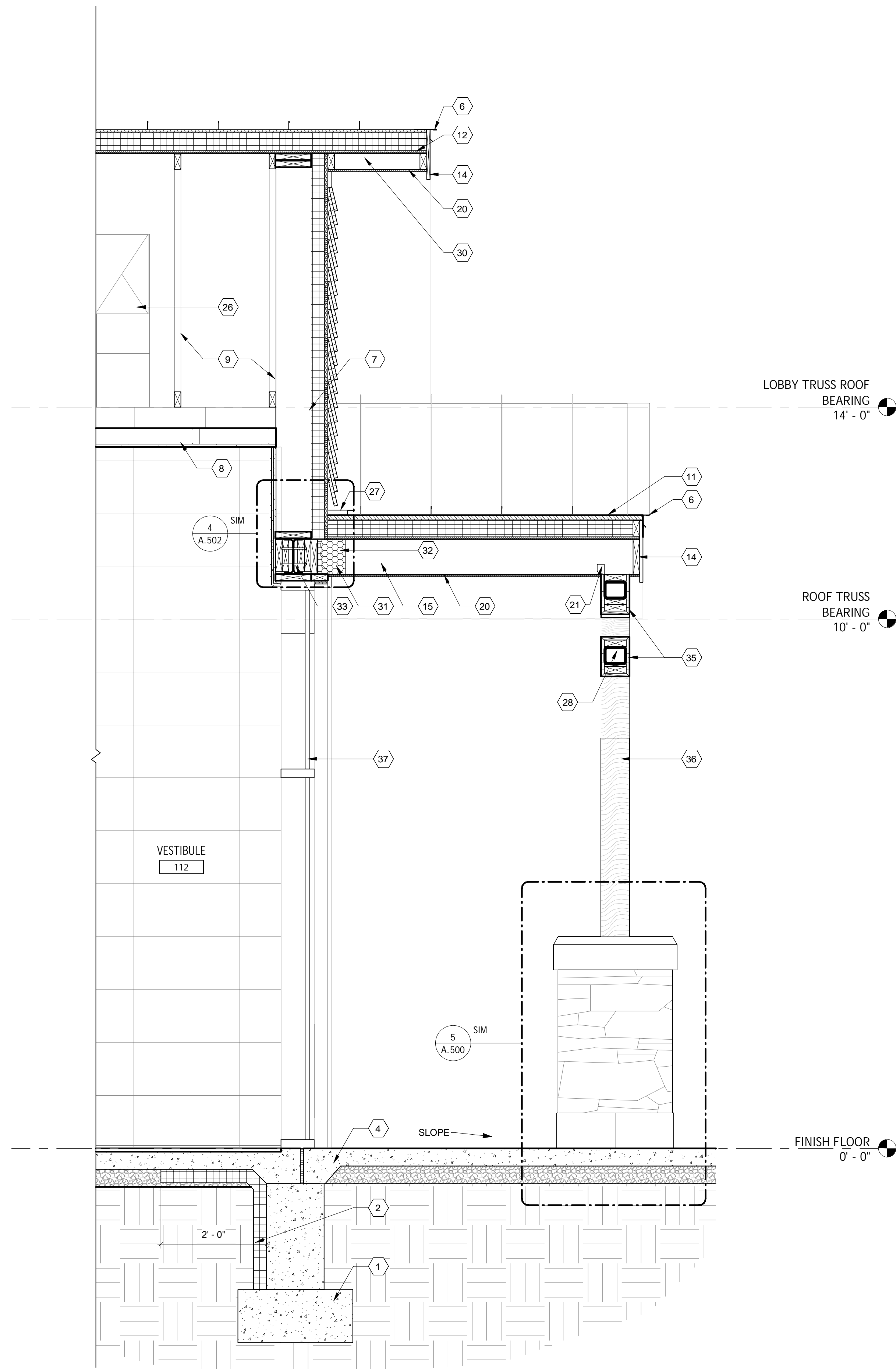
REV.	DATE	REMARKS
02	04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 WALL SECTIONS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	A.AHMED
DGN. BY:	DAZ
REV. BY:	AA

SHEET
A.301



1 WALL SECTION THROUGH STOREFRONT
3/4" = 1'-0"

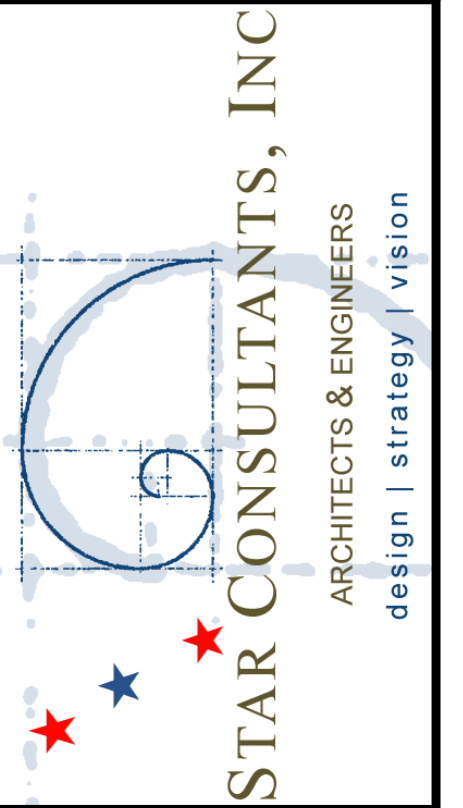
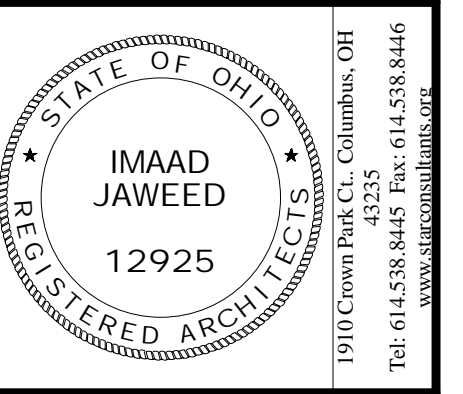
CODING NOTES

1. CONCRETE FOUNDATION AND FOOTER, REFER TO STRUCTURAL.
2. CONTINUOUS FOUNDATION INSULATION, MIN. 2'-0" BELOW SLAB.
3. FINISH GRADE, REFER TO CIVIL.
4. CONCRETE SLAB OVER 10 MIL VAPOR BARRIER AND AGGREGATE BASE. TURN SLAB DOWN TO TOP OF FOOTINGS AT OPENINGS. REFER TO FLOOR PLANS FOR SLOPE AND ELEVATION. REFER TO STRUCTURAL FOR CONSTRUCTION DETAILS.
5. 8" CMU WALL, REFER TO WALL SCHEDULE FOR ADDITIONAL INFORMATION.
6. ROOF FLASHING AND DRIP EDGE
7. 8" METAL STUD WITH 3" RIGID INSULATION, 3/4" EXTERIOR SHEATHING, BUILDING WRAP AND HORIZONTAL SIDING, REFER TO WALL SCHEDULE FOR ADDITIONAL INFORMATION.
8. COMPOUND GWB CEILING, REFER TO REFLECTED CEILING PLAN
9. ROOF TRUSS, REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION.
10. STEEL BEAM (REFER TO STRUCTURAL DRAWINGS), WITH MECHANICALLY FASTENED 2x MEMBERS TOP AND BOTTOM WRAPPED IN 1x HARD WOOD WITH MITERED CORNERS TO MIMIC 6 1/2"x14" SOLID WOOD BEAM
11. STANDING SEAM ROOF (PORCH COVER)
12. 5/8" EXTERIOR SHEATHING, VAPOR BARRIER, HIGH DENSITY COVER BOARD, R-24 POLYISO XPS RIGID INSULATION (2" LAYER AND NAILABLE 2" LAYER), MECHANICALLY FASTENED TO SUBSTRATE, HIGH-TEMP SELF ADHERED ICE/WATER SHIELD, 24 GA, 12" STANDING SEAM METAL ROOF
13. GUTTER AND DRIP EDGE
14. FIBER CEMENT FASCIA & 1x10 SUB FASCIA
15. 2 X 10 @ 16" O.C ROOF RAFTER IN JOIST HANGER MECHANICALLY FASTENED TO LEDGER BOARD, MECHANICALLY FASTENED THROUGH WALL TO STUD

CODING NOTES CONTD

16. HORIZONTAL CLEARSTORY WINDOW
17. STONE VENEER OVER MORTAR BED, SCRATCH COAT AND METAL LATH.
18. 1/8" SURE CAVITY WIDE DRAINAGE MAT
19. 3" RIGID INSULATION, R-15 MIN., ADHESIVE APPLIED AND MECHANICALLY FASTENED TO CMU
20. 1/2" WOOD SOFFIT, STAINED TO MATCH WD-1
21. SIMPSON H3 HURRICANE TIE
22. SIMPSON LSSR SLOPEABLE RAFTER HANGER
23. SIMPSON HM9 HURRICANE TIE
24. GROUT ALL VOIDS SOLID.
25. 5/8" DRYWALL
26. MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS
27. FLASHING
28. STEEL MEMBER (REFER TO STRUCTURAL DRAWINGS), WITH MECHANICALLY FASTENED 2x MEMBERS TOP AND BOTTOM WRAPPED IN 1x HARD WOOD WITH MITERED CORNERS TO MIMIC SOLID WOOD TRUSS
29. WALL FINISH WITH COVED BASE, REFER TO FINISH PLAN
30. 2x4 @ 24" O.C. RAKE LADDER
31. SIMPSON HUS28 HEAVY U SHAPED JOIST HANGER
32. FILL VOIDS IN EXTERIOR WALLS FULL OF SPRAY FOAM INSULATION
33. BOX BEAM, REFER TO STRUCTURAL DRAWINGS
34. SNOW GUARD, REFER TO ROOF PLAN
35. WOOD WRAPPED BEAM, TYP, REFER TO EXTERIOR DETAILS 1 ON SHEET A.302
36. WOOD WRAPPED COLUMN, TYP, REFER TO EXTERIOR DETAILS 1, 2, 4 & 5 ON SHEET A.500
37. STOREFRONT ENTRY, REFER TO INTERIOR ELEVATION 1 & 2 ON SHEET A.401

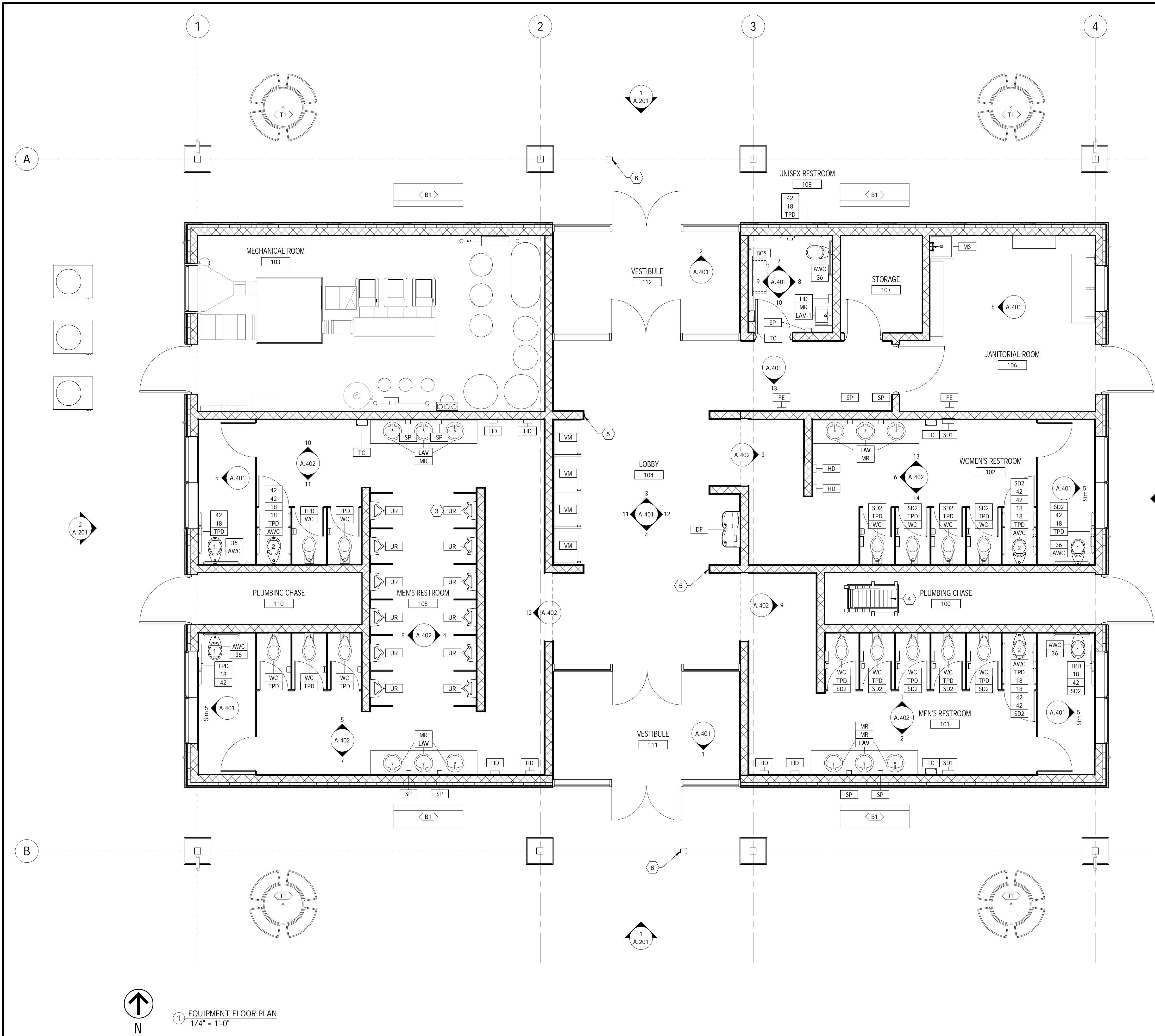
REV.	DATE	REMARKS
02	04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 WALL SECTIONS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	A.AHMED
DGN. BY:	DAZ
REV. BY:	AA

SHEET
A.302



ACCESSIBILITY NOTES:

- TOILET FLUSH CONTROLS SHALL BE OPERABLE W/ ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR, THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS/FT.
- A CLEAR FLOOR SPACE 30" WIDE BY 48" LONG SHALL BE PROVIDED IN FRONT OF THE LAVATORY TO ALLOW A FORWARDS APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE & SHALL EXTEND INTO KNEE & TOE SPACE UNDERNEATH THE LAVATORY.
- HOT WATER & DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACE UNDER LAVATORIES.
- FAUCET CONTROLS & OPERATING MECHANISMS SHALL BE OPERABLE W/ ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 LBS/FT. LEVER PUSH-TYPE & ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGN. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCETS REMAIN OPEN FOR AT LEAST 10 SECONDS.
- FLUSH HANDLES SHALL BE ON THE WIDE SIDE OF ROOM IN ALL TOILET ROOMS.
- THE REFLECTIVE SURFACE OF THE MIRRORS SHALL BE MOUNTED W/ BOTTOM EDGE NOT MORE THAN 40" FROM THE FLOOR.
- LOCATE TOILET TISSUE DISPENSERS ON THE WALL WITHIN 12" OF THE FRONT EDGE OF THE TOILET SEAT.
- GRAB BARS, FASTENERS & MOUNTING DEVICES SHALL BE DESIGNED FOR 250 LBS./LINEAR FT. LOAD.
- ALL GYP. BD. @ WET WALLS SHALL BE WATER RESISTANT, FULL HEIGHT, TYPE IN ALL RESTROOMS.
- REFER TO PLUMBING DRAWINGS FOR FULL FIXTURE INFORMATION.
- THE CONTRACTOR SHALL PROVIDE AN ADA-APPROVED WALL SIGN FOR ALL OF THE TOILET ROOMS. THE SIGNS SHALL BE WALL-MOUNTED, CENTERED @ 5'-0" AFF. 1" LETTERS W/ CONTRASTING BACKGROUND. COLORS SHALL BE SELECTED FROM THE MANUFACTURER'S STANDARDS. SIGNS SHALL BE ENGRAVED STOCK, RADIUS CORNERS & UNFRAMED, FASTENED TO THE WALL AS RECOMMENDED BY THE MANUFACTURER.
- CONTRACTOR SHALL OBTAIN A COMPLETE SET OF PLANS & BE FAMILIAR W/ THE ENTIRE PROJECT IN ORDER TO UNDERSTAND THE COMPLETE SCOPE OF THE PROJECT.
- THE EQUIPMENT ROUGH-INS AS SHOWN ARE BASED UPON AVAILABLE INFORMATION. HOWEVER, IN SOME INSTANCES, THE OWNER OR SUPPLIER MAY SUBSTITUTE OR THE EQUIPMENT ITEM MAY VARY FROM WHAT IS SHOWN, THEREFORE, THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS W/ THE OWNER PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY ON THE CONTRACTOR.
- PROVIDE SOLID IN-WALL BLOCKING AS REQUIRED FOR ALL TOILET ACCESSORIES & CASEWORK, METAL STUDS OR WOOD BLOCKING.
- THE ACCESSIBILITY SHEET IN THIS SET SHALL TAKE PRECEDENT OVER ALL OTHER SHEETS. SEE ACCESSIBILITY SHEET IN THIS SET FOR ALL REQUIREMENTS.
- REFER TO THE TYPICAL ADA STANDARDS SHEET FOR MOUNTING HEIGHT AND LOCATION DETAILS.
- ACCESS PANELS TO ALLOW INSTALLATION OF WALL FINISH OVER FACE OF ACCESS PANEL.

CODED EQUIPMENT NOTES:

- ACCESSIBLE STALL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
- AMBULATORY STALL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
- ACCESSIBLE URINAL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
- PULL DOWN ATTIC ACCESS STAIRS.
- DOOR PUSH BUTTON MOUNTED ON WALL.
- DOOR PUSH BUTTON MOUNTED ON POST.

FURNITURE SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL
B1	WOOD BENCH	CANTERBURY DESIGNS	BOEMERY BENCH
T1	ROUND METAL TABLE	LANDSCAPE FORMS	CAROUSEL

PLUMBING FIXTURE SCHEDULE

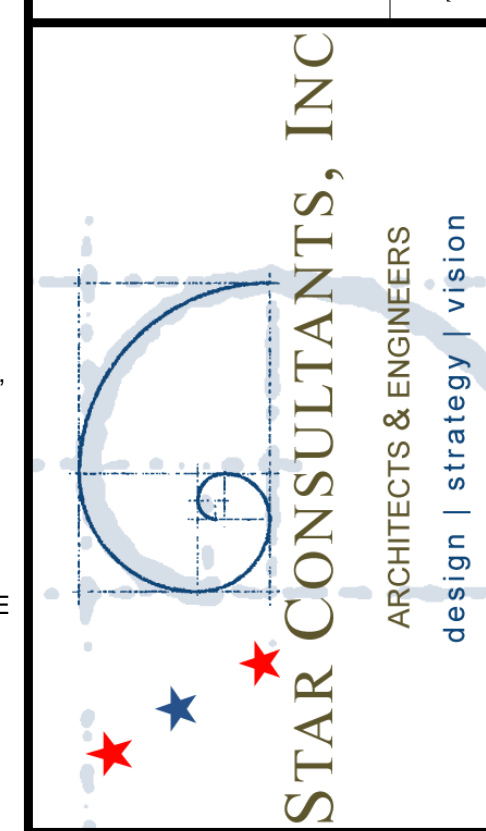
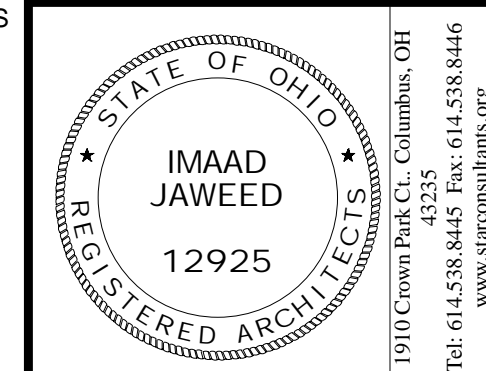
MARK	DESCRIPTION	MFR	MODEL	ACCESS PANEL	COMMENTS
AWC	ACCESSIBLE WATER CLOSET	AMERICAN STANDARD	2234.001	18"x18"	REFER TO PLUMBING DRAWINGS
DF	DRINKING FOUNTAIN WITH BOTTLE FILLER	ELKAY	LZSTLBWSK	12"x12"	REFER TO PLUMBING DRAWINGS
LAV	LAVATORY	ZURN	Z5120	12"x12"	REFER TO PLUMBING DRAWINGS
LAV-1	WALL HUNG LAVATORY	AMERICAN STANDARD	9024.001EC	12"x12"	REFER TO PLUMBING DRAWINGS
MS	MOP SINK	FIAT	MSB2424	12"x12"	REFER TO PLUMBING DRAWINGS
UR	URINAL	AMERICAN STANDARD	6506.011	12"x18"	REFER TO PLUMBING DRAWINGS
WC	STANDARD WATER CLOSET	AMERICAN STANDARD	3697001.020	18"x18"	REFER TO PLUMBING DRAWINGS

RESTROOM ACCESSORIES SCHEDULE

MARK	DESCRIPTION	MFR	MODEL
18	18" VERTICAL GRAB BAR	BOBRICK	B-6806x18
36	36" GRAB BAR	BOBRICK	B-6806x36
42	42" GRAB BAR	BOBRICK	B-6806x42
BCS	BABY CHANGING STATION	KOALA KARE	KB310-SSWM
HD	HAND DRYER	EXCEL DRYER	TA-ABS-110-120V 7-7.7A - 770-915W
MR	18"x36" MIRROR	BOBRICK	B-165 1836
SD1	SANITARY NAPKIN DISPENSER	BOBRICK	B-47069
SD2	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254
SP	SOAP DISPENSER	BOBRICK	B-2012
TC	TRASH CAN	BOBRICK	B-9279
TPD	TOILET PAPER DISPENSER	BOBRICK	B-6699

REVISIONS

REV.	DATE	REMARKS
02	04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

EQUIPMENT FLOOR PLAN

PJT #: 250009
 DATE: 10/29/2025
 DRN. BY: DAZ
 DGN. BY: DAZ
 REV. BY: AA

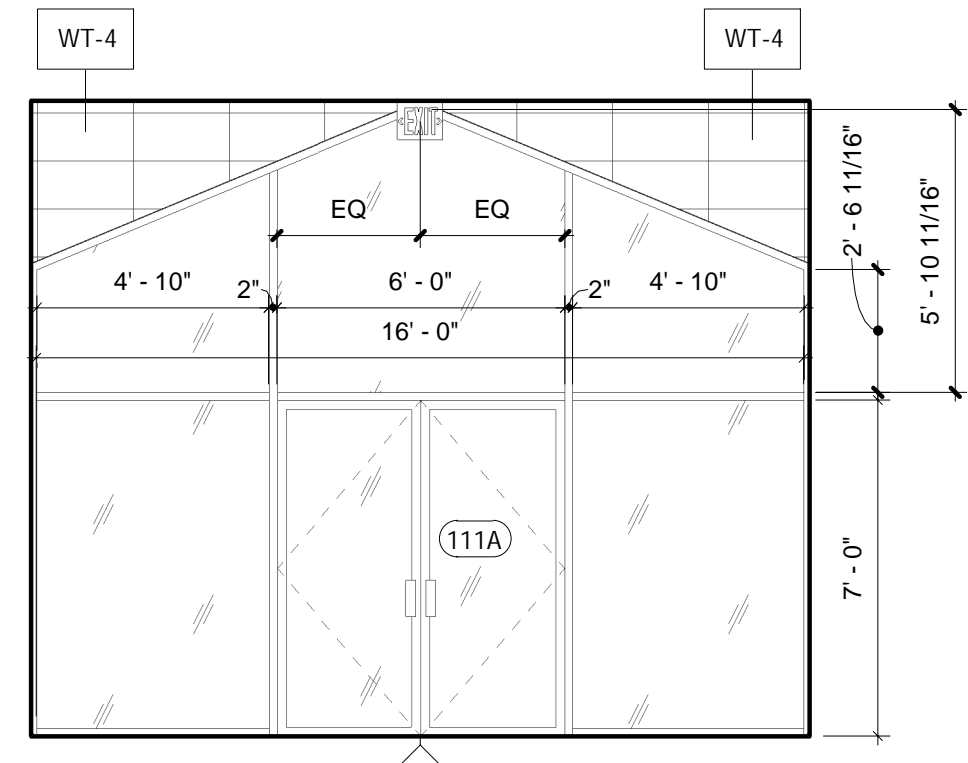
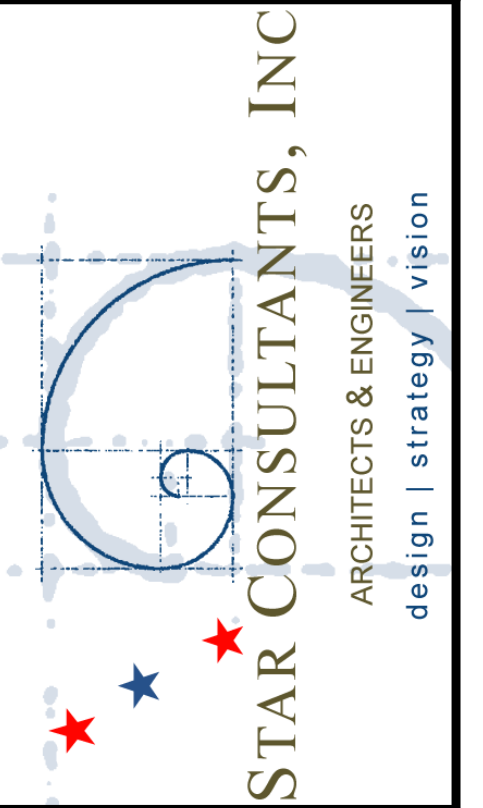
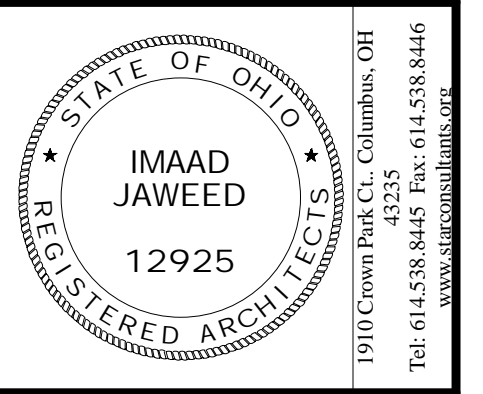
SHEET
A.400

1 EQUIPMENT FLOOR PLAN
 1/4" = 1'-0"

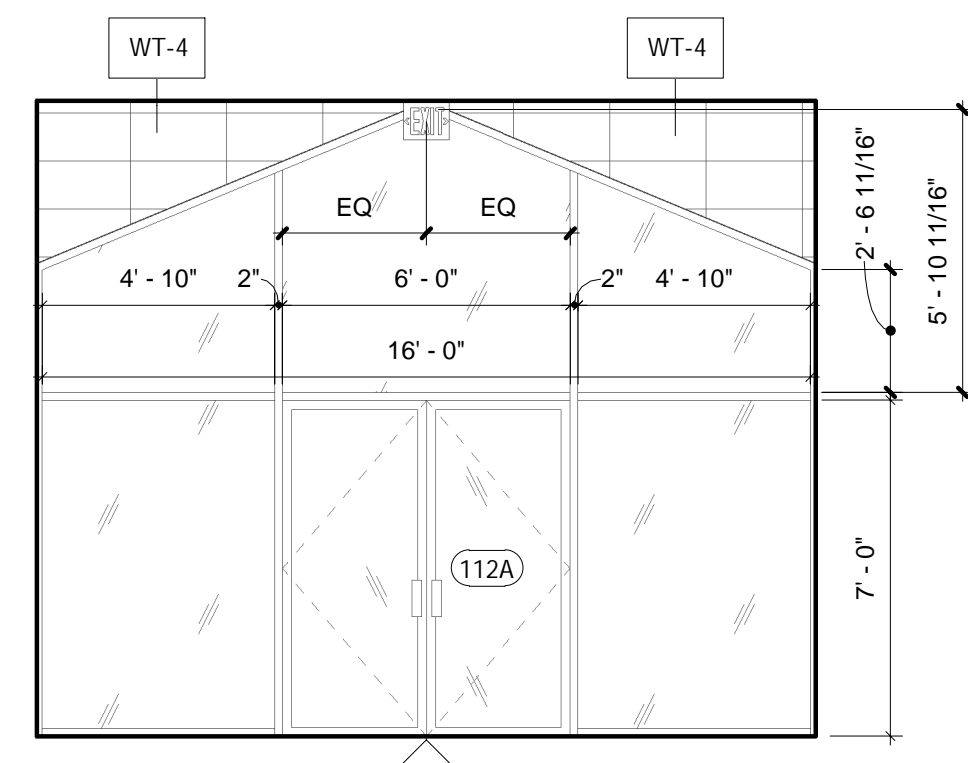
CODED INTERIOR ELEVATION NOTES:

1. ACCESSIBLE STALL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
2. AMBULATORY STALL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
3. ACCESSIBLE URINAL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
4. CENTER IN OPENING, NOT ON WALL.
5. COUNTERTOP SUPPORT BRACKET, TYP
6. PROVIDE PIPE WRAPS TO EXPOSED PIPES AT SINKS AND LAVATORIES
7. AUTOMATIC DOOR OPERATOR
8. REMOVABLE RESTROOM SIGNAGE
9. MOUNT BOTTOM OF MIRROR AT 39" A.F.F.

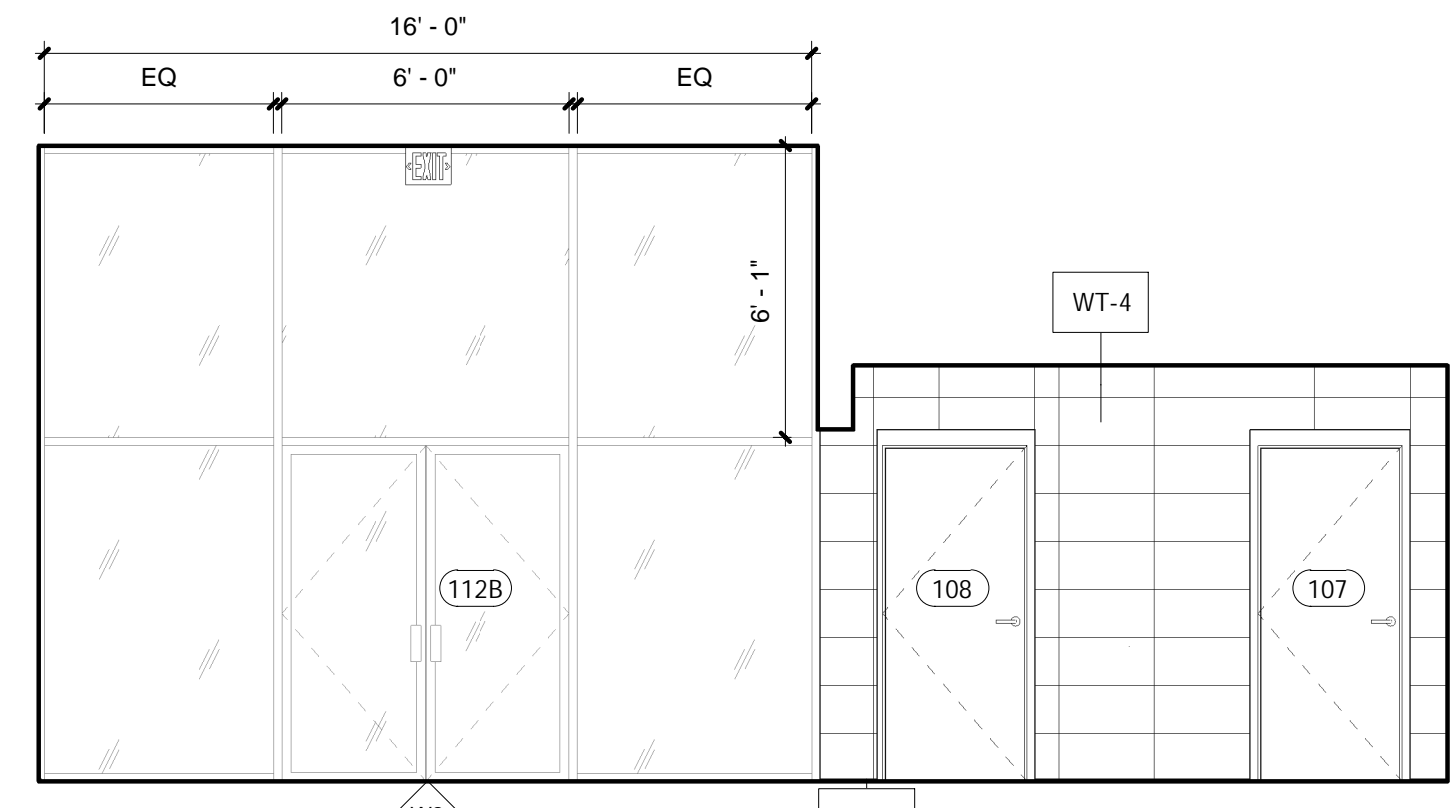
REV.	DATE	REMARKS
1	12/09/2025	A/HJ RESPONSE
	02/04/2026	BID SET



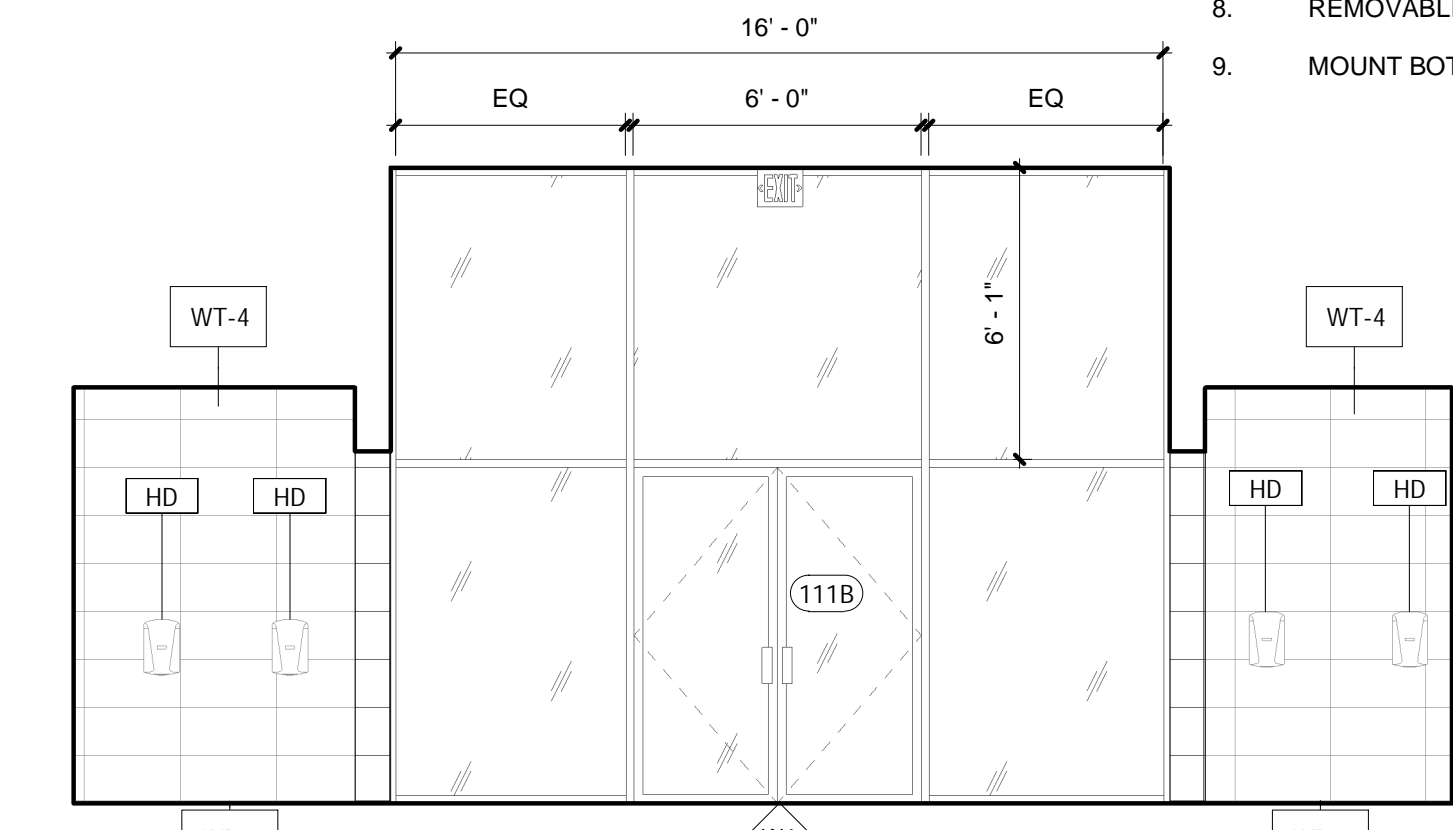
1 VESTIBULE 111 ELEVATION
1/4" = 1'-0"



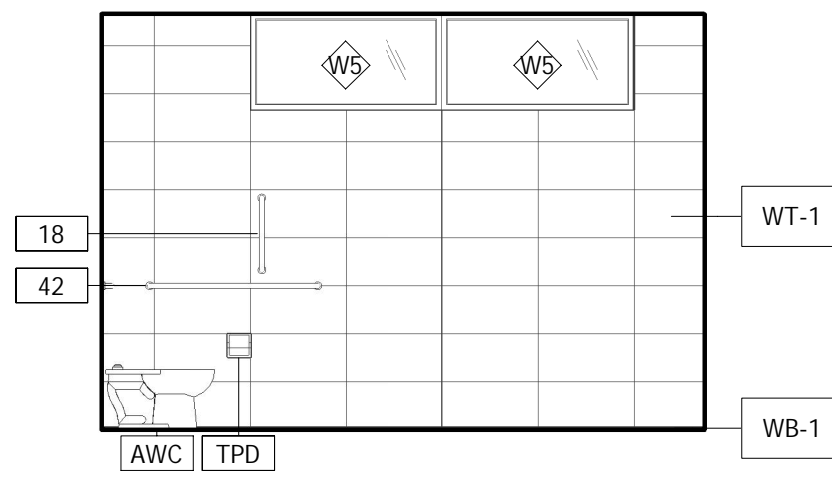
2 VESTIBULE 112 ELEVATION
1/4" = 1'-0"



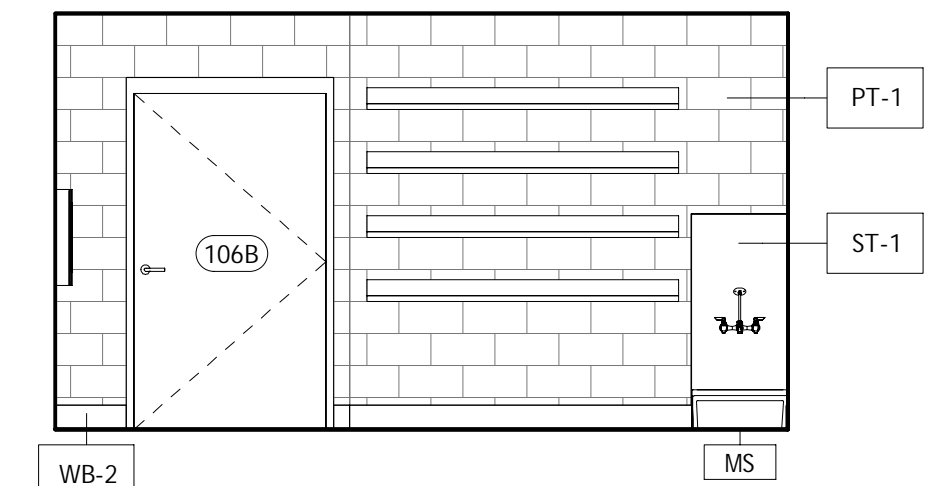
3 LOBBY NORTH ELEVATION
1/4" = 1'-0"



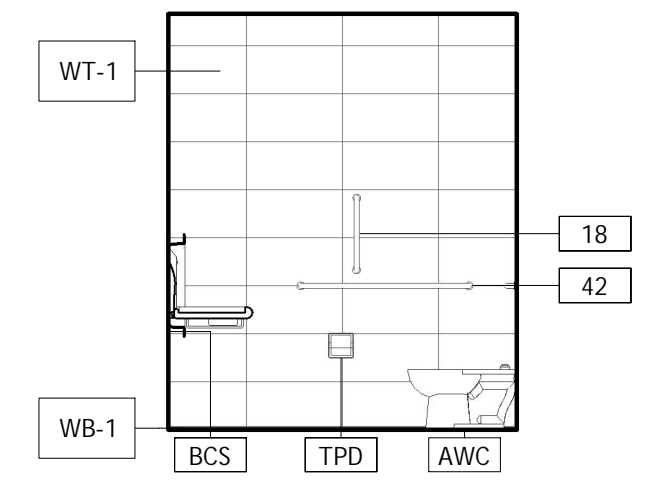
4 LOBBY SOUTH ELEVATION
1/4" = 1'-0"



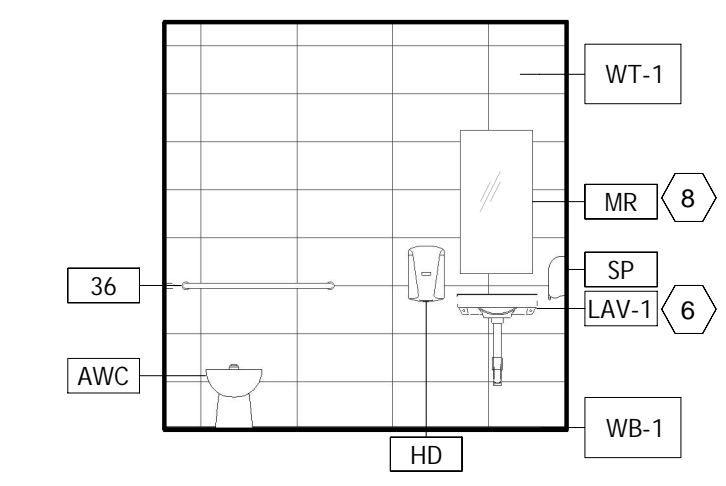
5 TYPICAL ACCESSIBLE STALL SIDEWALL
1/4" = 1'-0"



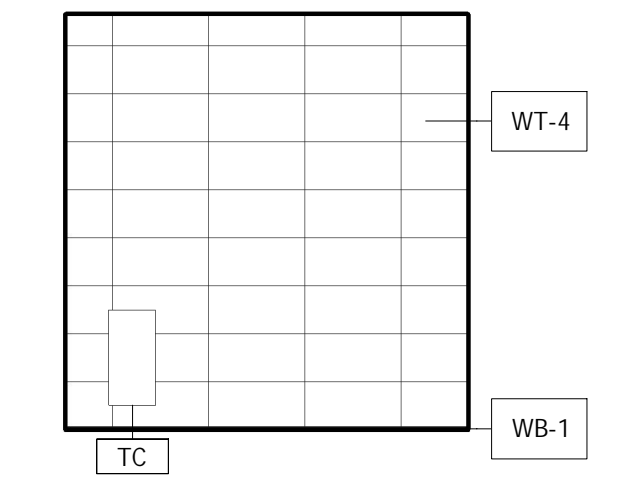
6 JANITOR'S ELEVATION
1/4" = 1'-0"



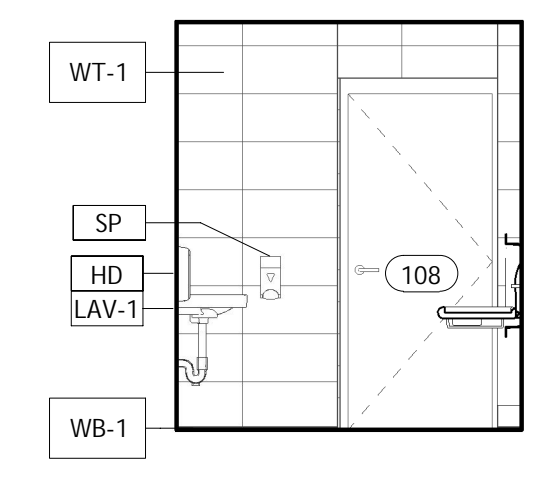
7 UNISEX RESTROOM 108 NORTH ELEVATION
1/4" = 1'-0"



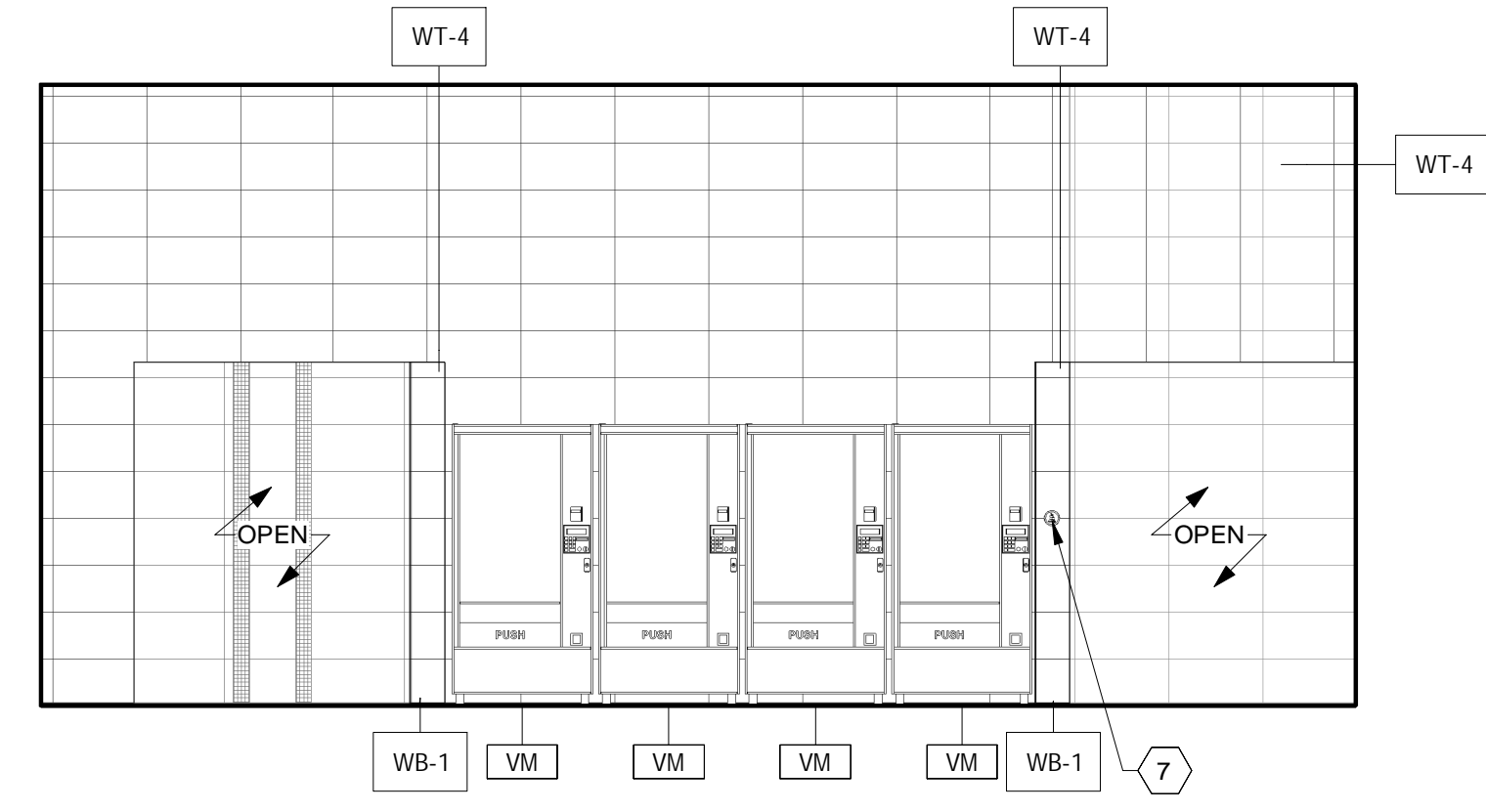
8 UNISEX RESTROOM 108 EAST ELEVATION
1/4" = 1'-0"



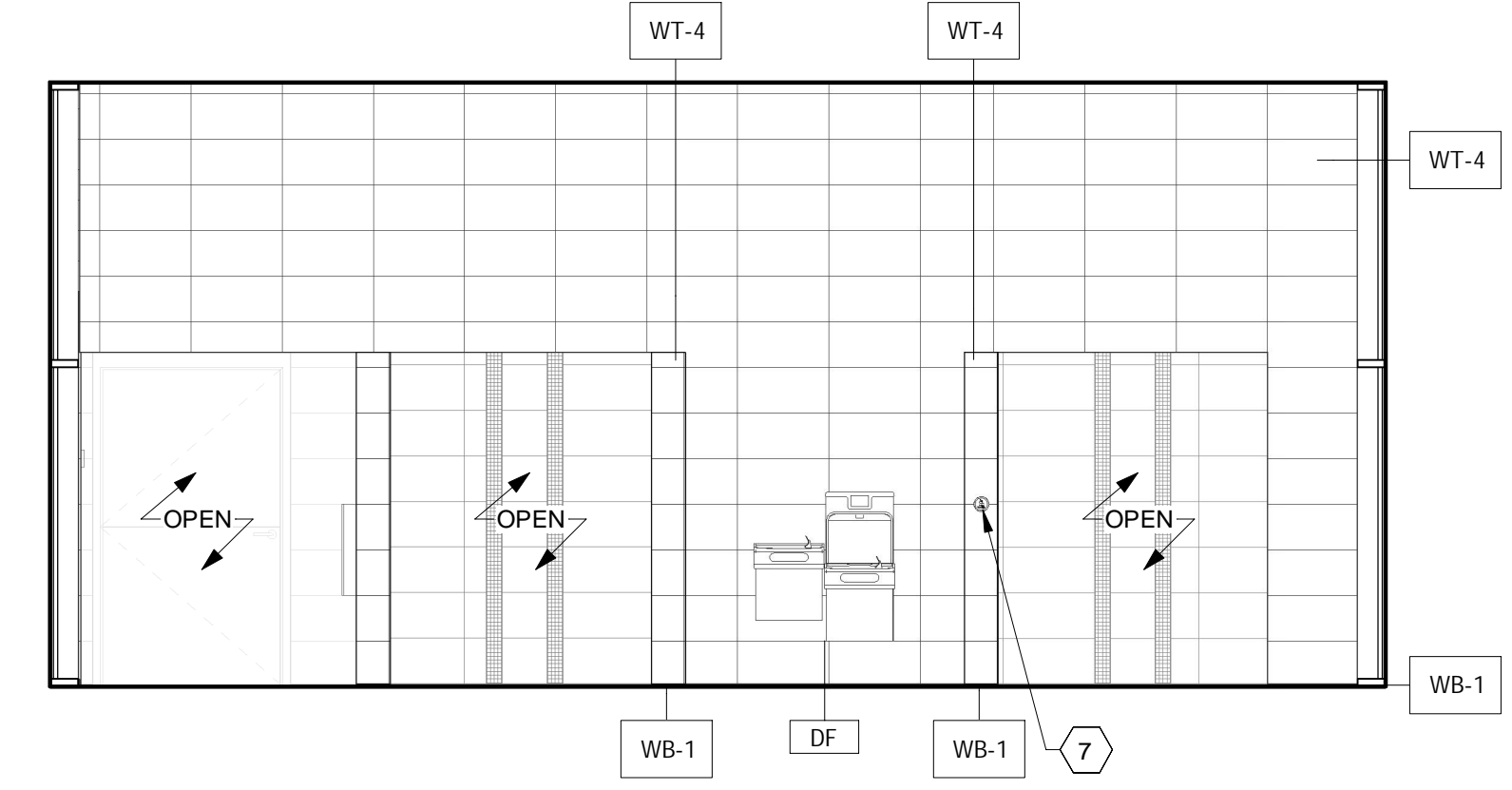
9 UNISEX RESTROOM 108 WEST ELEVATION
1/4" = 1'-0"



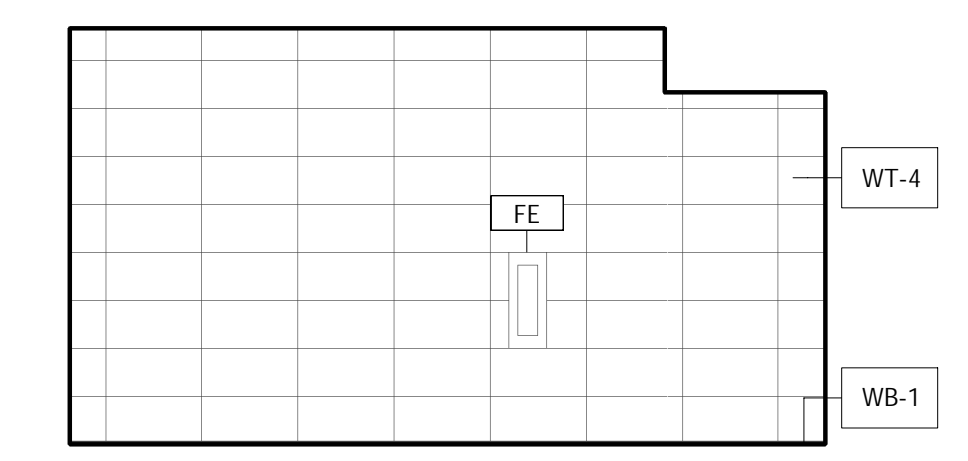
10 UNISEX RESTROOM 108 SOUTH ELEVATION
1/4" = 1'-0"



11 LOBBY WEST ELEVATION
1/4" = 1'-0"



12 LOBBY EAST ELEVATION
1/4" = 1'-0"

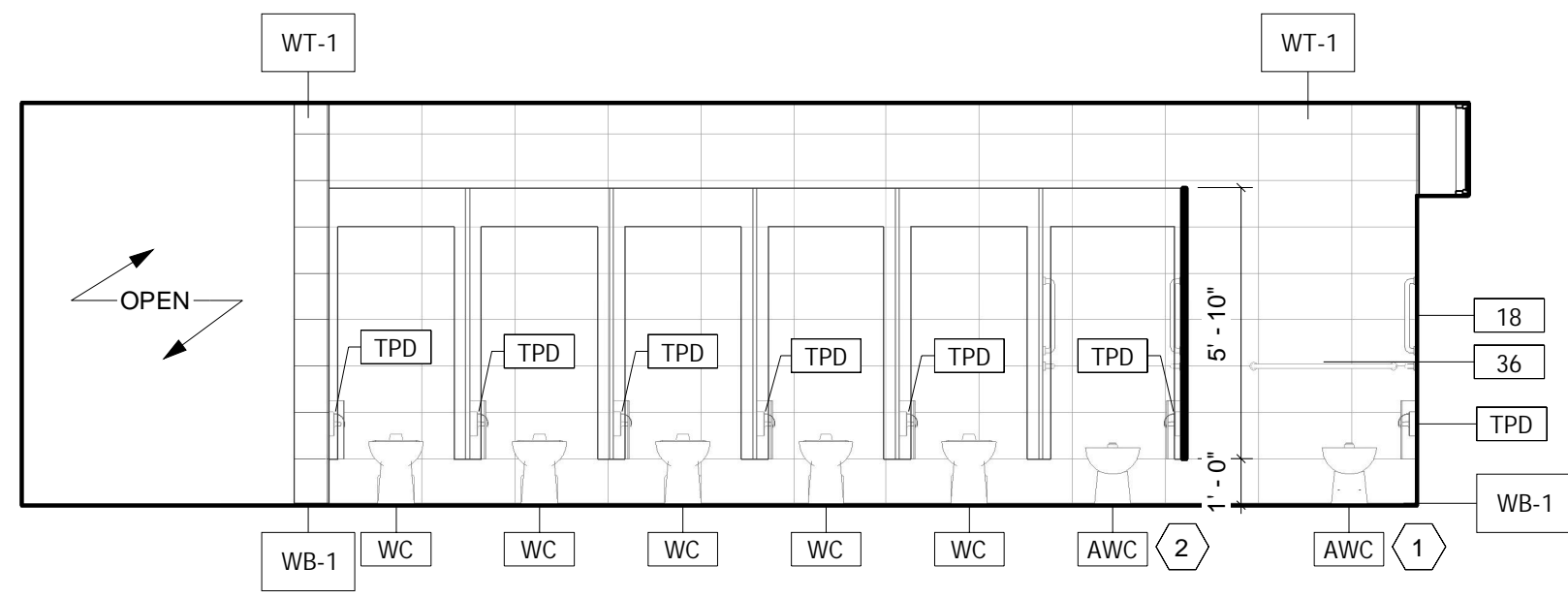


13 LOBBY ALCOVE ELEVATION
1/4" = 1'-0"

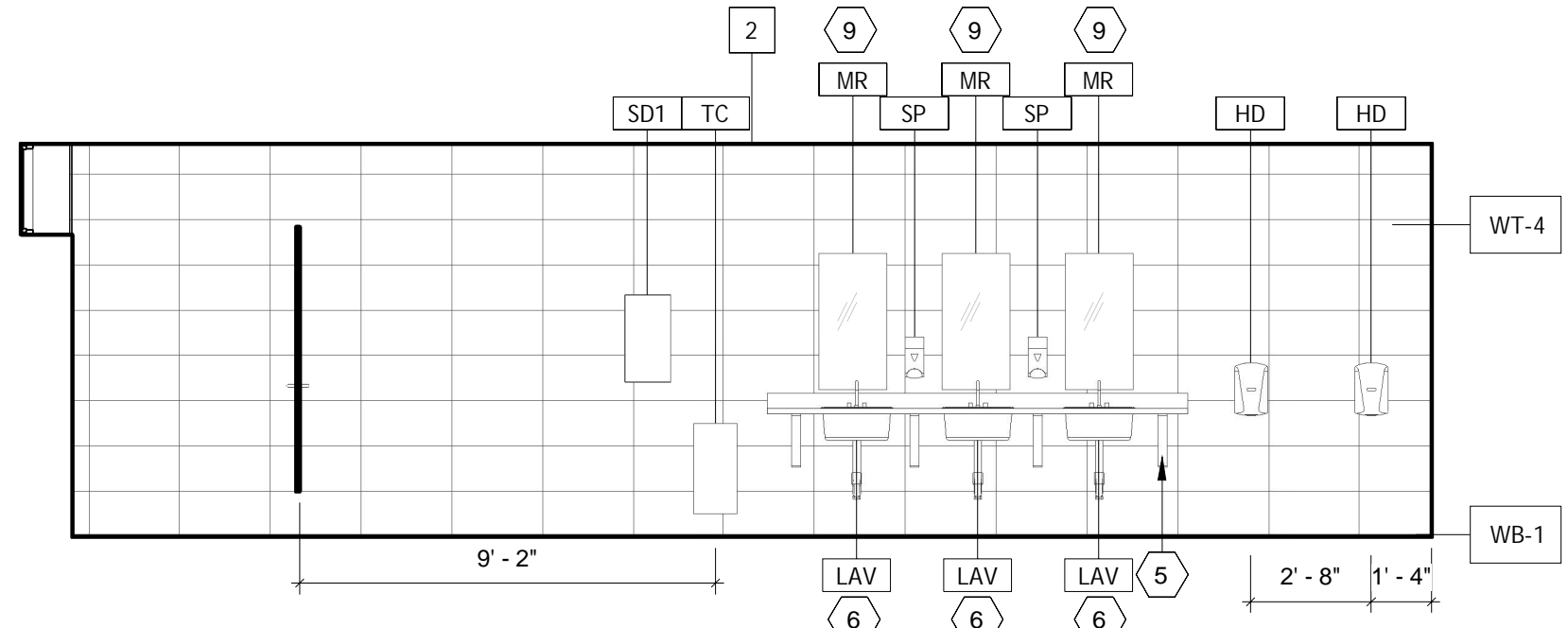
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 INTERIOR ELEVATIONS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	A.AHMED
DGN. BY:	DAZ
REV. BY:	AA

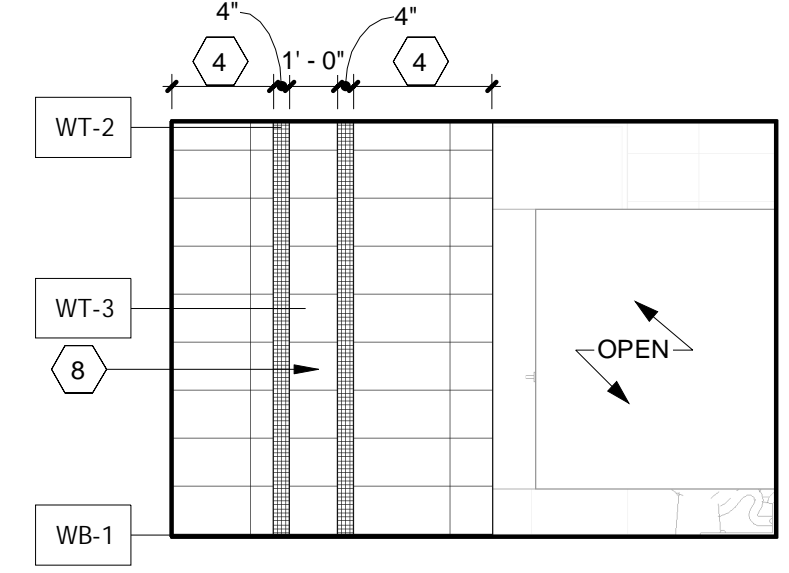
SHEET
A.401



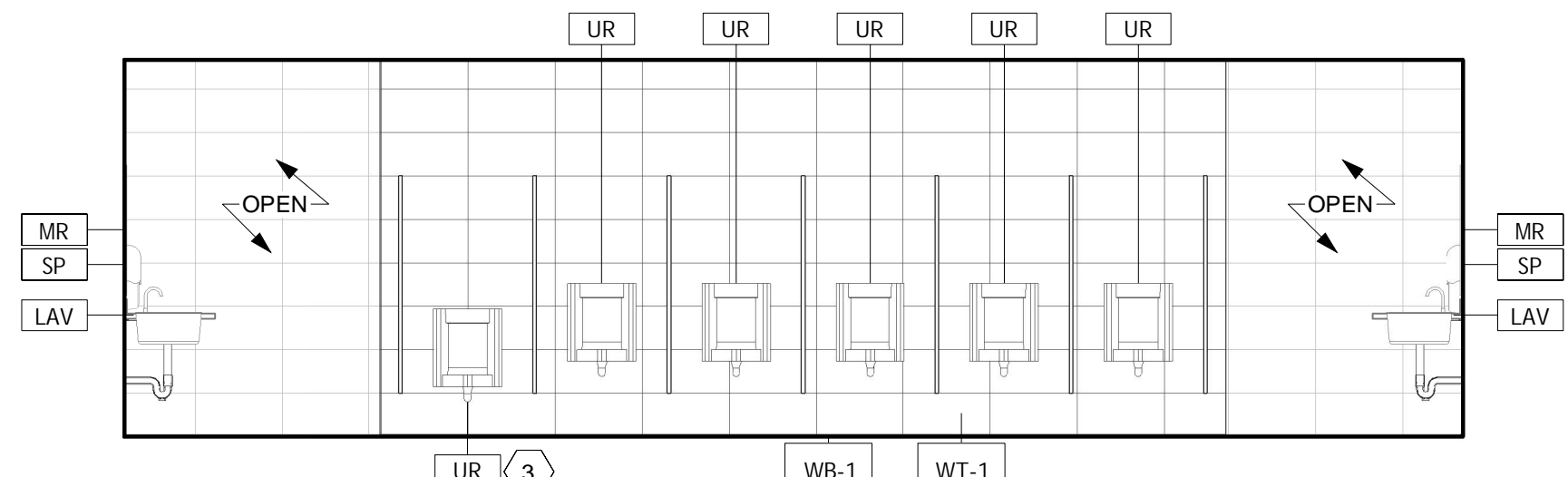
1 MEN'S RESTROOM 101 NORTH ELEVATION
1/4" = 1'-0"



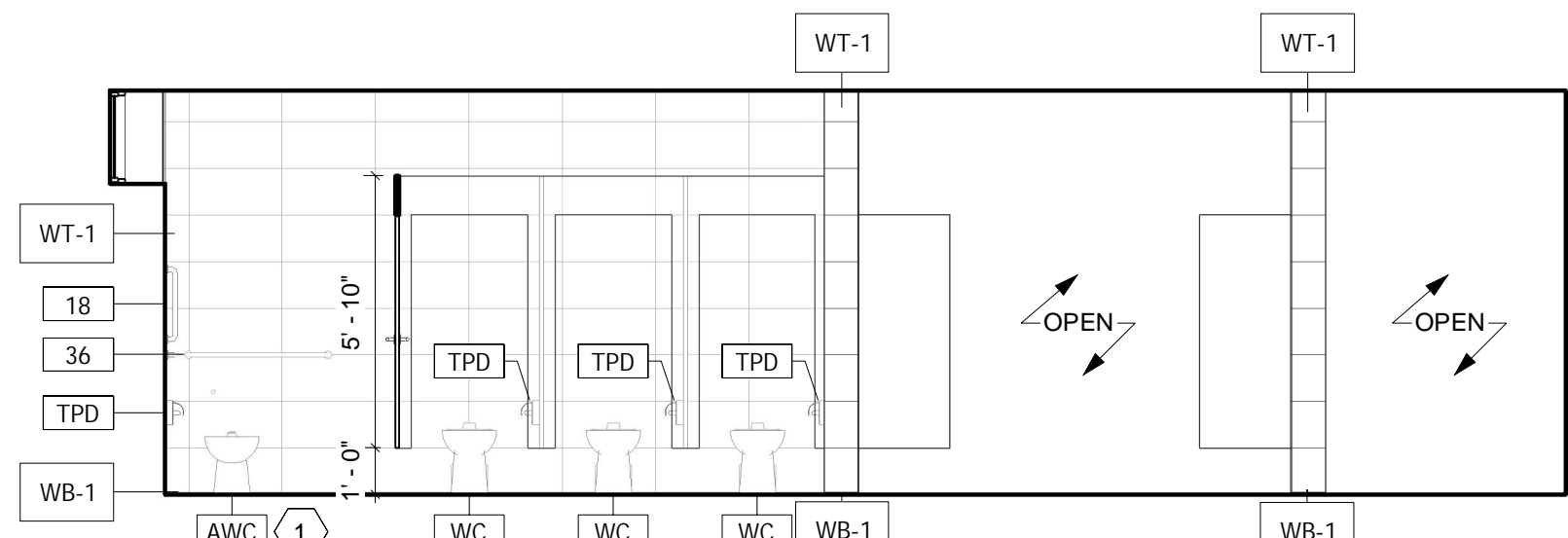
2 MEN'S RESTROOM 101 SOUTH ELEVATION
1/4" = 1'-0"



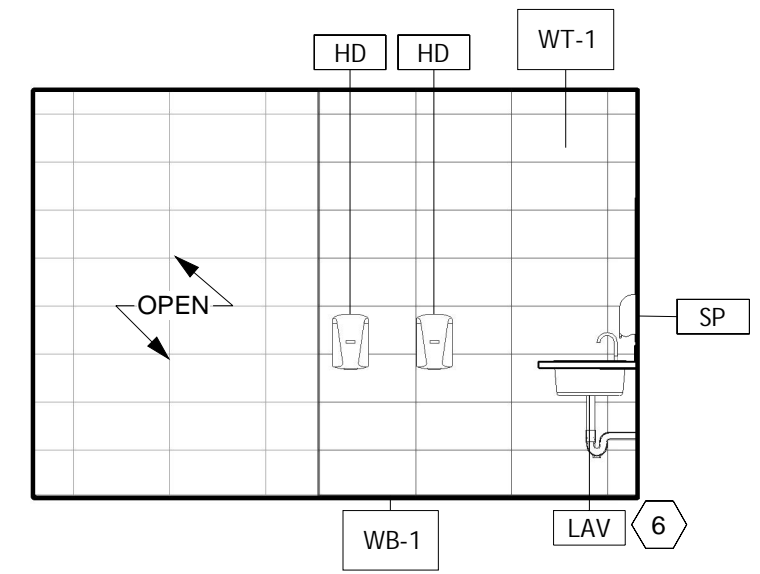
3 WOMEN'S RESTROOM 102 ENTRY
1/4" = 1'-0"



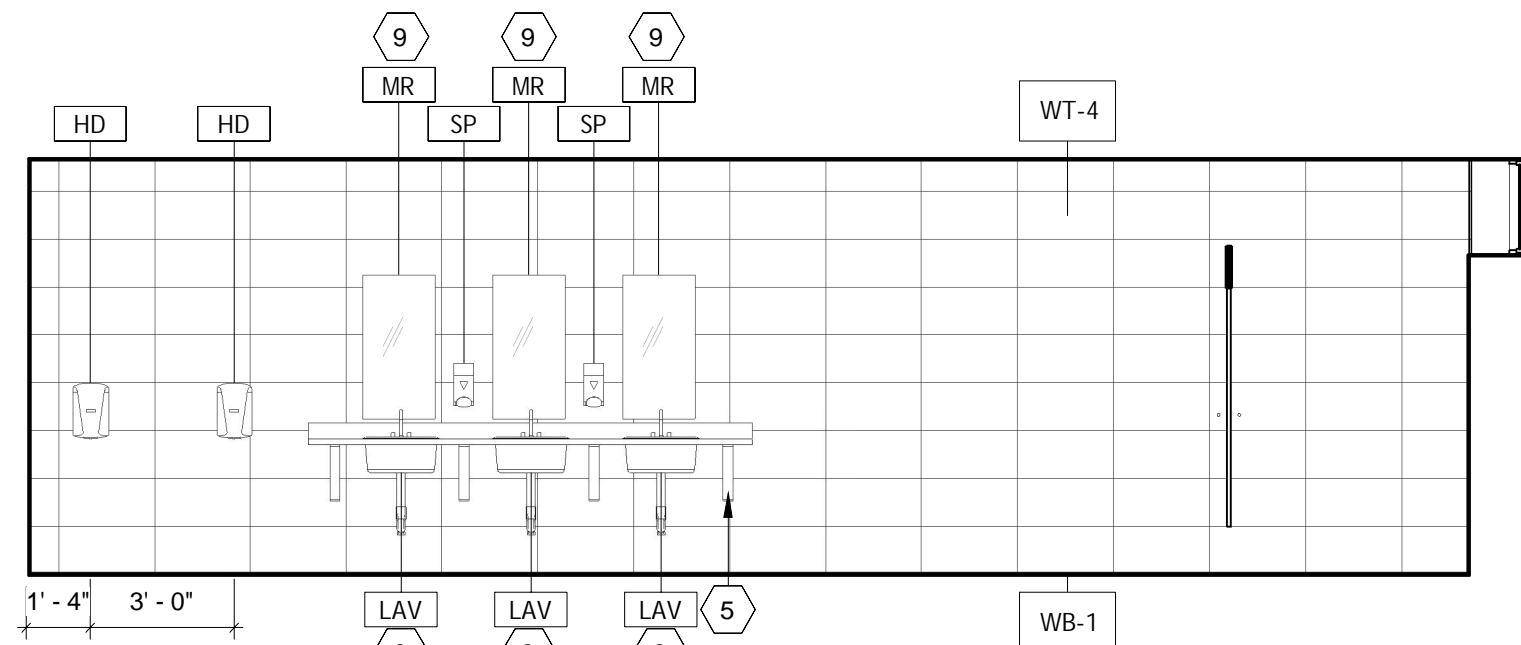
4 MEN'S RESTROOM 105 EAST ELEVATION
1/4" = 1'-0"



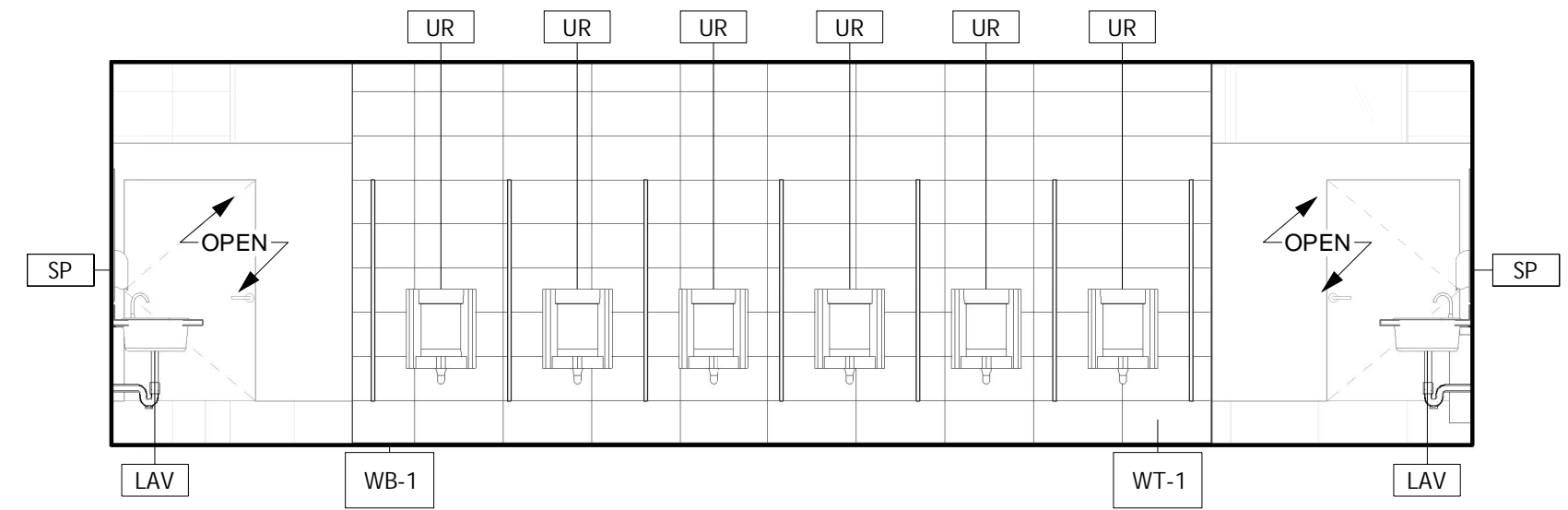
5 MEN'S RESTROOM 105 NORTH ELEVATION 2
1/4" = 1'-0"



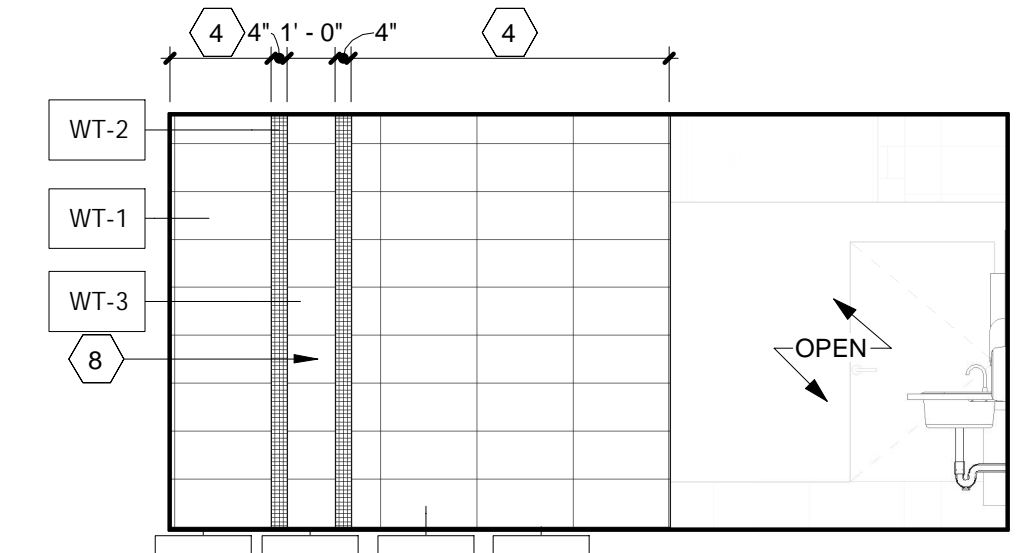
6 WOMEN'S RESTROOM 102 WEST ELEVATION
1/4" = 1'-0"



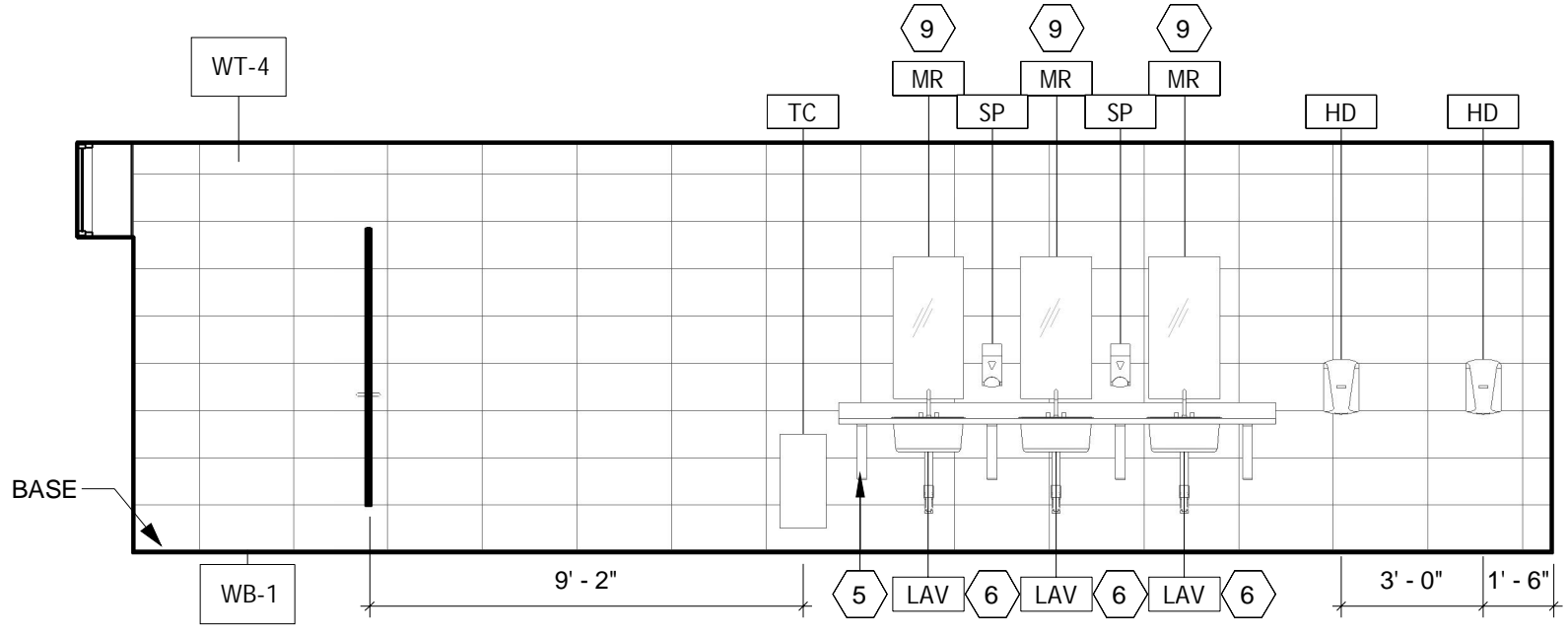
7 MEN'S RESTROOM 105 SOUTH ELEVATION 2
1/4" = 1'-0"



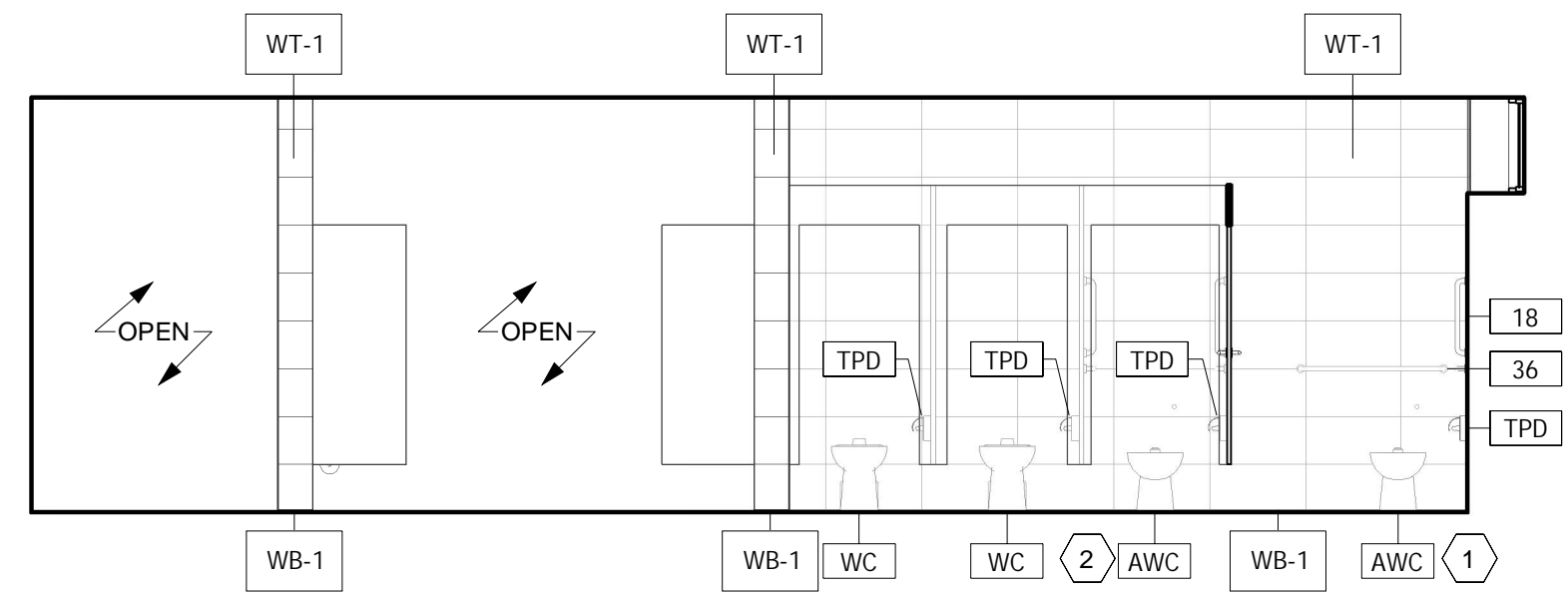
8 MEN'S RESTROOM 105 WEST ELEVATION
1/4" = 1'-0"



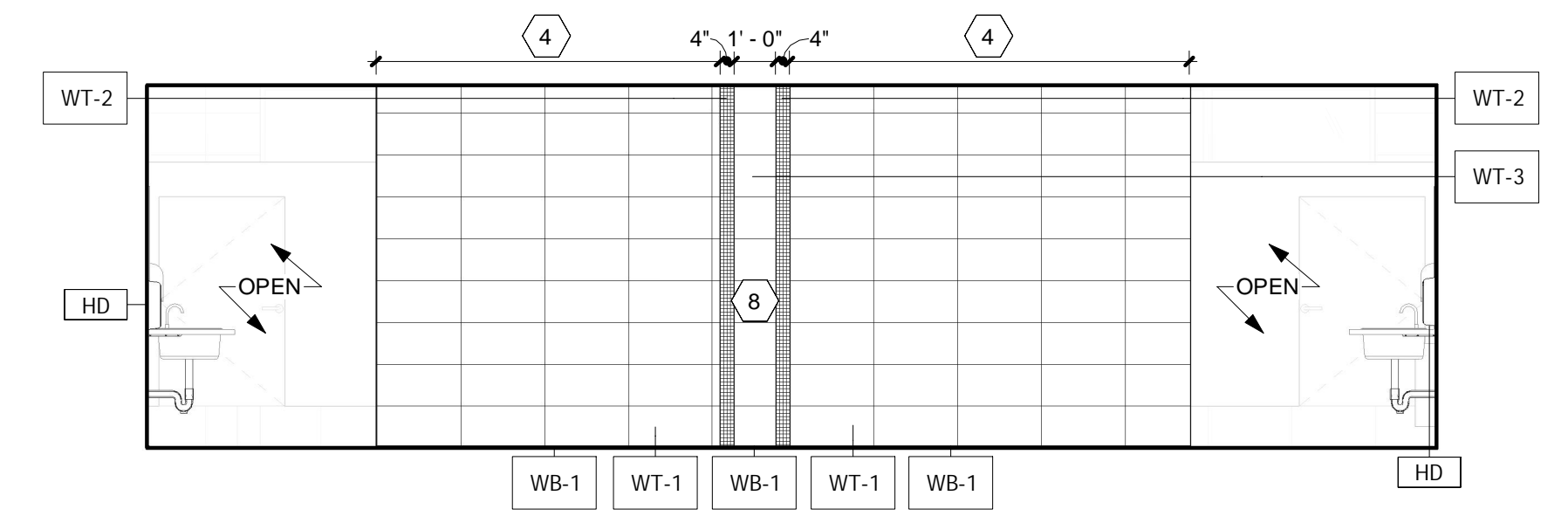
9 MEN'S RESTROOM 101 ENTRY
1/4" = 1'-0"



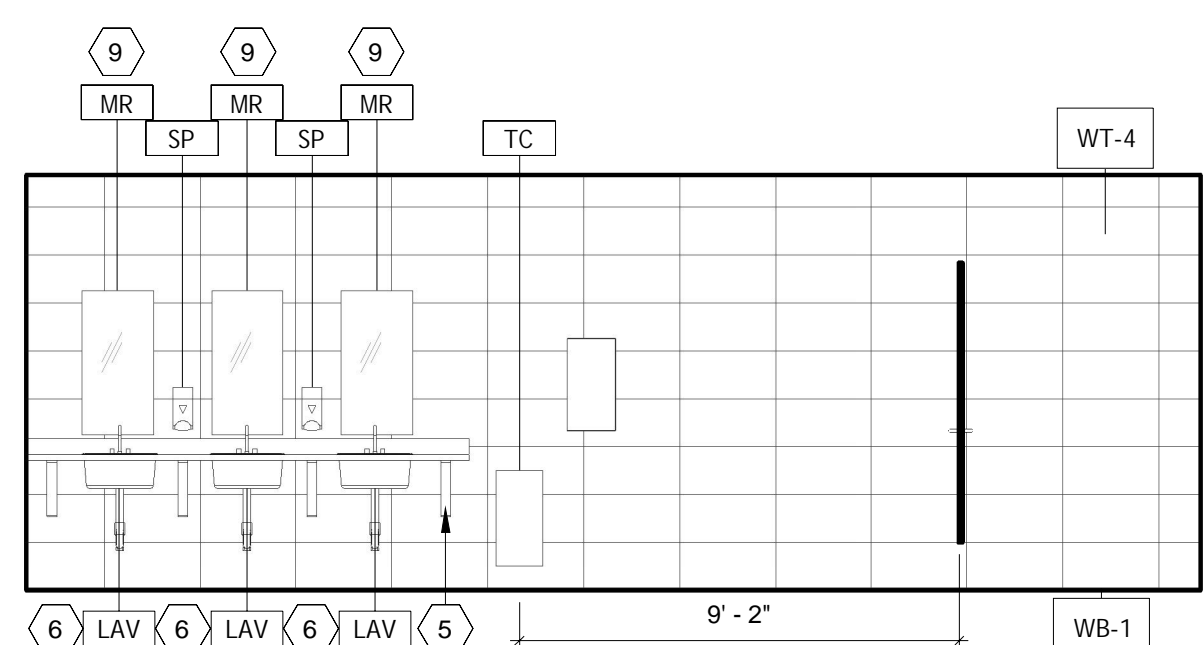
10 MEN'S RESTROOM 105 NORTH ELEVATION 1
1/4" = 1'-0"



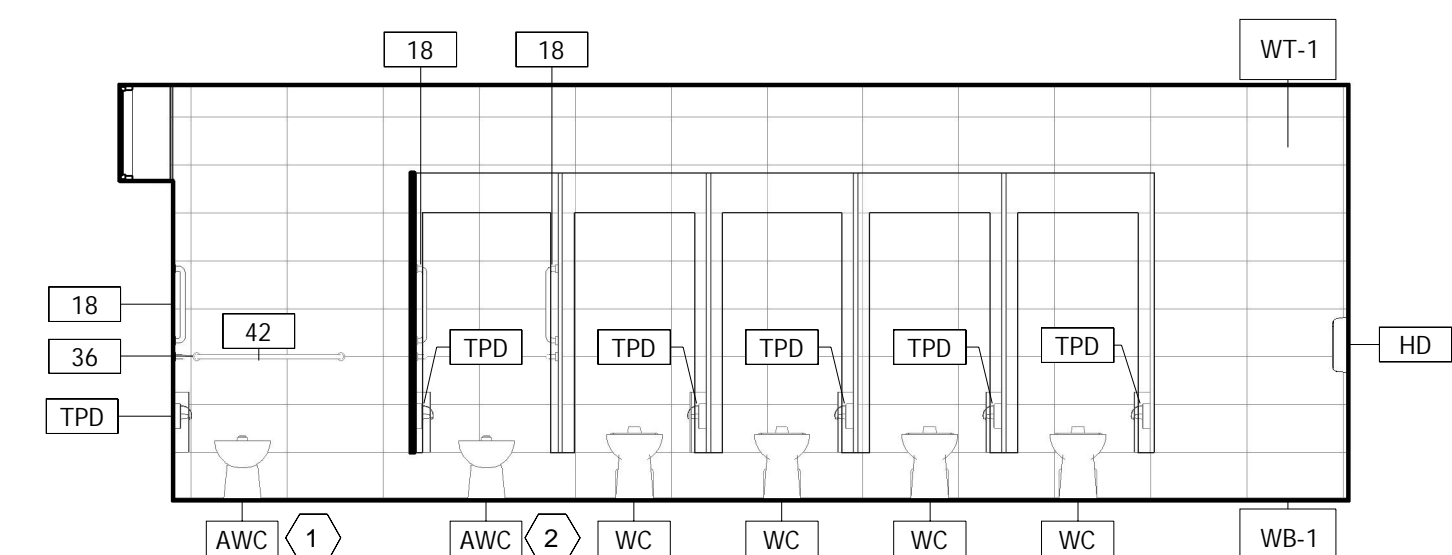
11 MEN'S RESTROOM 105 SOUTH ELEVATION 1
1/4" = 1'-0"



12 MEN'S RESTROOM 105 ENTRY
1/4" = 1'-0"



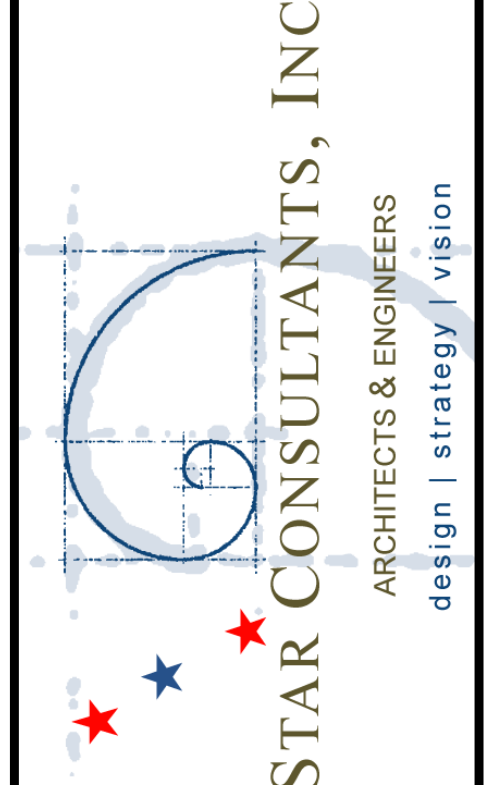
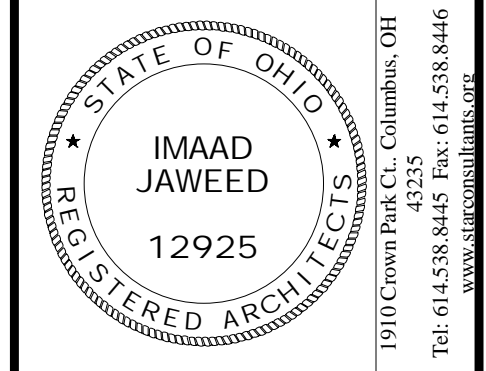
13 WOMEN'S RESTROOM 102 NORTH ELEVATION
1/4" = 1'-0"



14 WOMEN'S RESTROOM 102 SOUTH ELEVATION
1/4" = 1'-0"

- CODED INTERIOR ELEVATION NOTES:**
1. ACCESSIBLE STALL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
 2. AMBULATORY STALL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
 3. ACCESSIBLE URINAL, REFER TO TYPICAL ADA STANDARDS FOR MOUNTING HEIGHTS AND DETAILS.
 4. CENTER IN OPENING, NOT ON WALL.
 5. COUNTERTOP SUPPORT BRACKET, TYP
 6. PROVIDE PIPE WRAPS TO EXPOSED PIPES AT SINKS AND LAVATORIES
 7. AUTOMATIC DOOR OPERATOR
 8. REMOVABLE RESTROOM SIGNAGE
 9. MOUNT BOTTOM OF MIRROR AT 39" A.F.F.

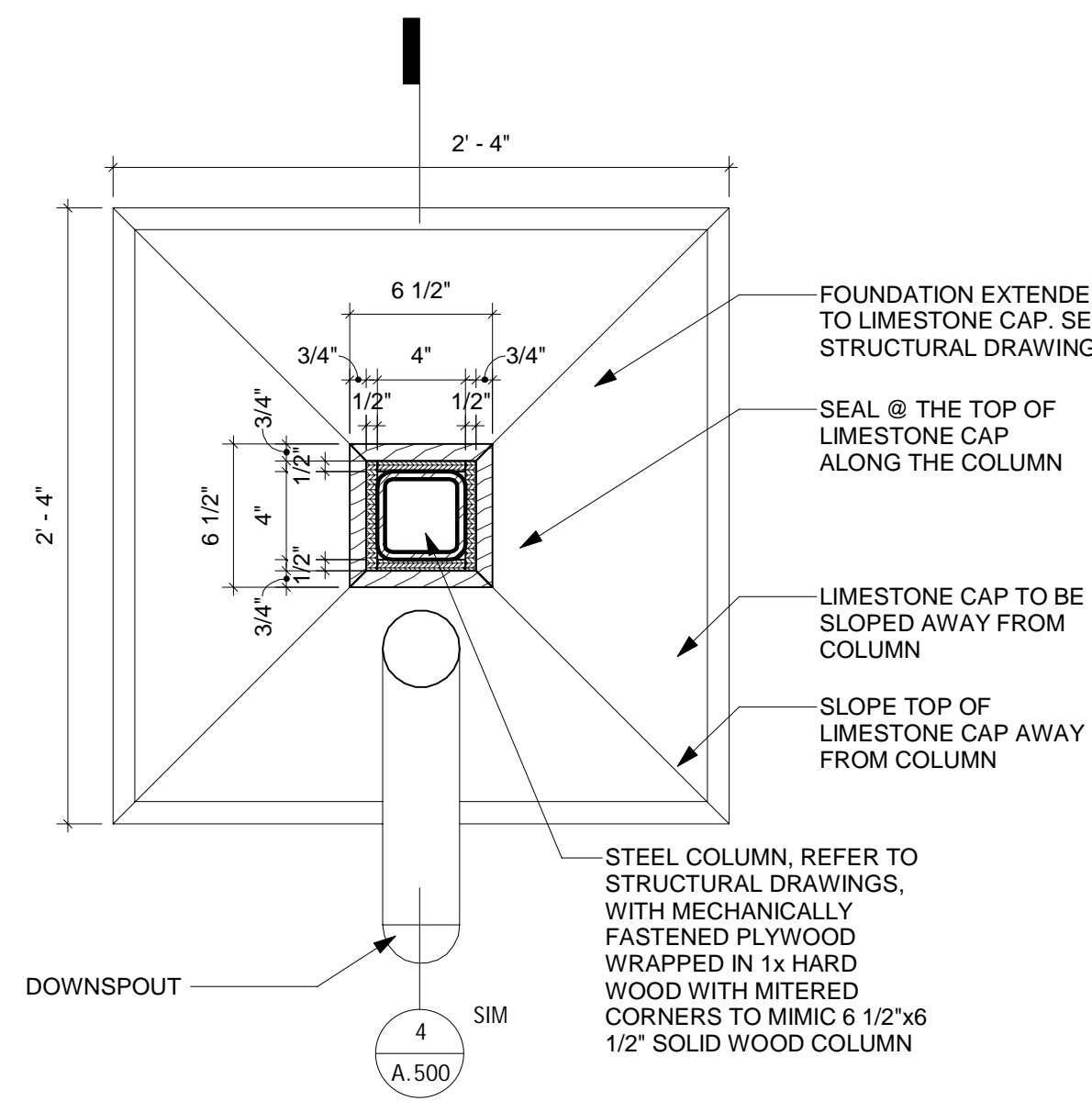
REV.	DATE	REMARKS
1	12.09.2025	A/HJ RESPONSE
	02.04.2026	BID SET



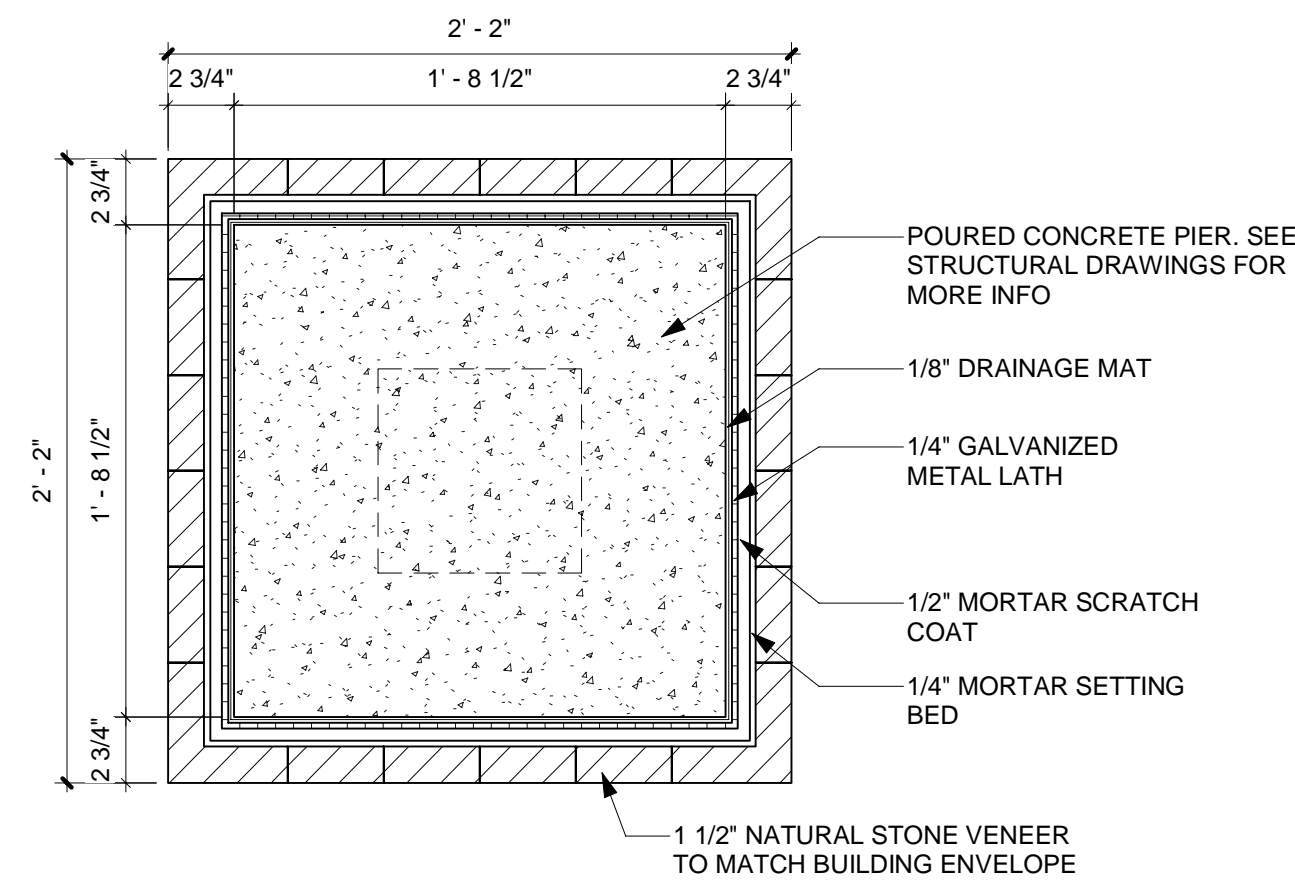
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 INTERIOR ELEVATIONS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	A.AHMED
DGN. BY:	DAZ
REV. BY:	AA

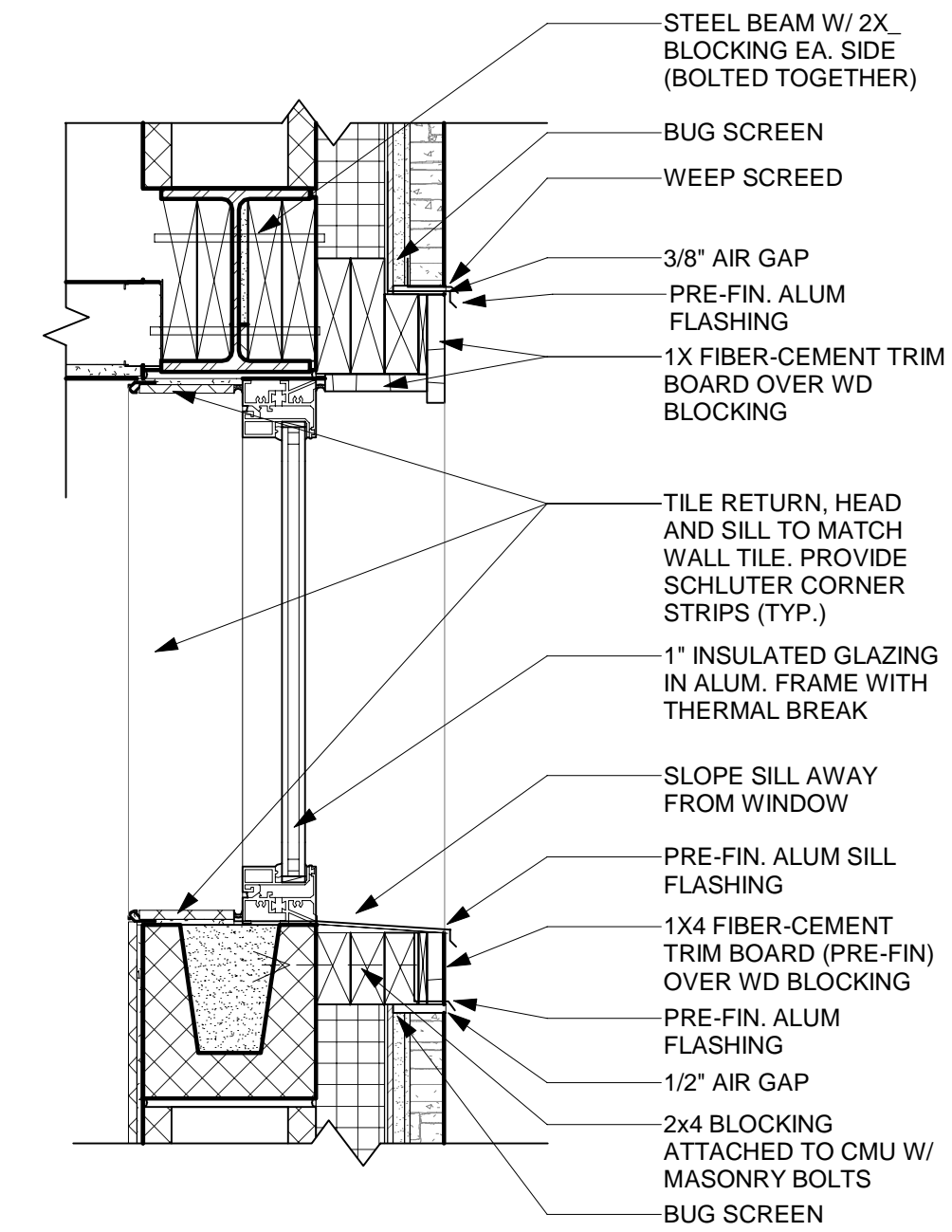
SHEET
A.402



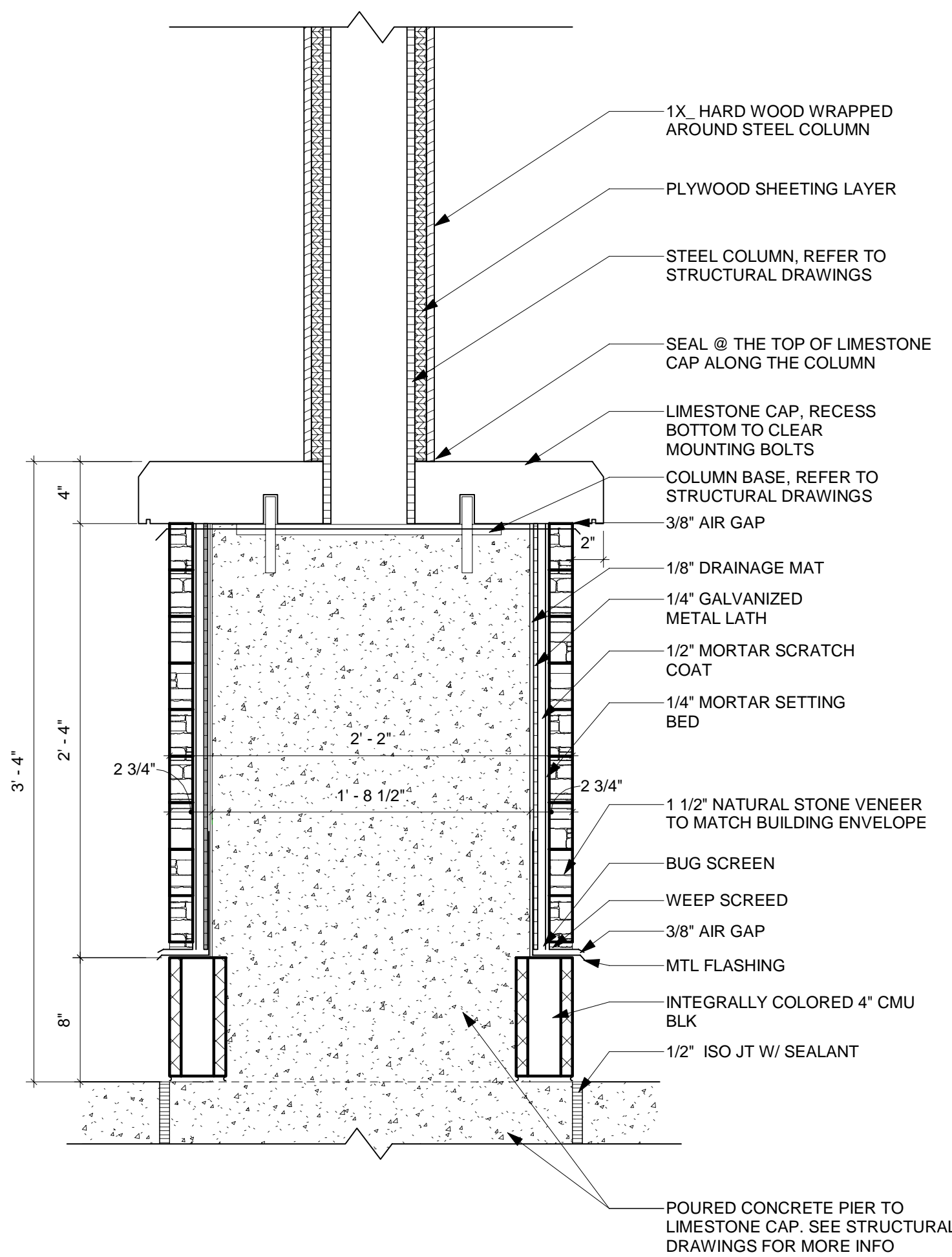
1 TYP COLUMN PLAN
1 1/2" = 1'-0"



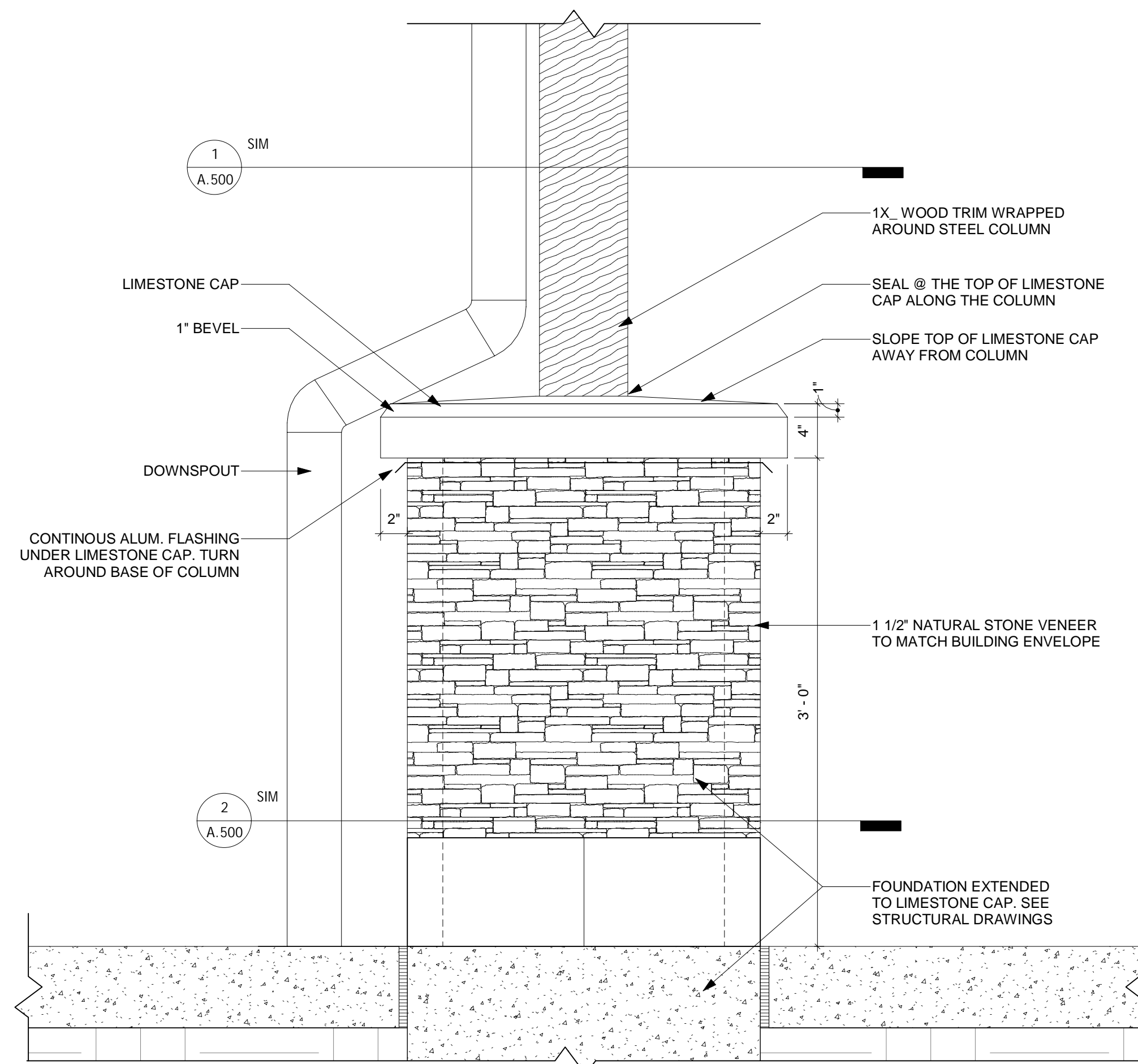
2 TYP COLUMN - PLAN CUT
1 1/2" = 1'-0"



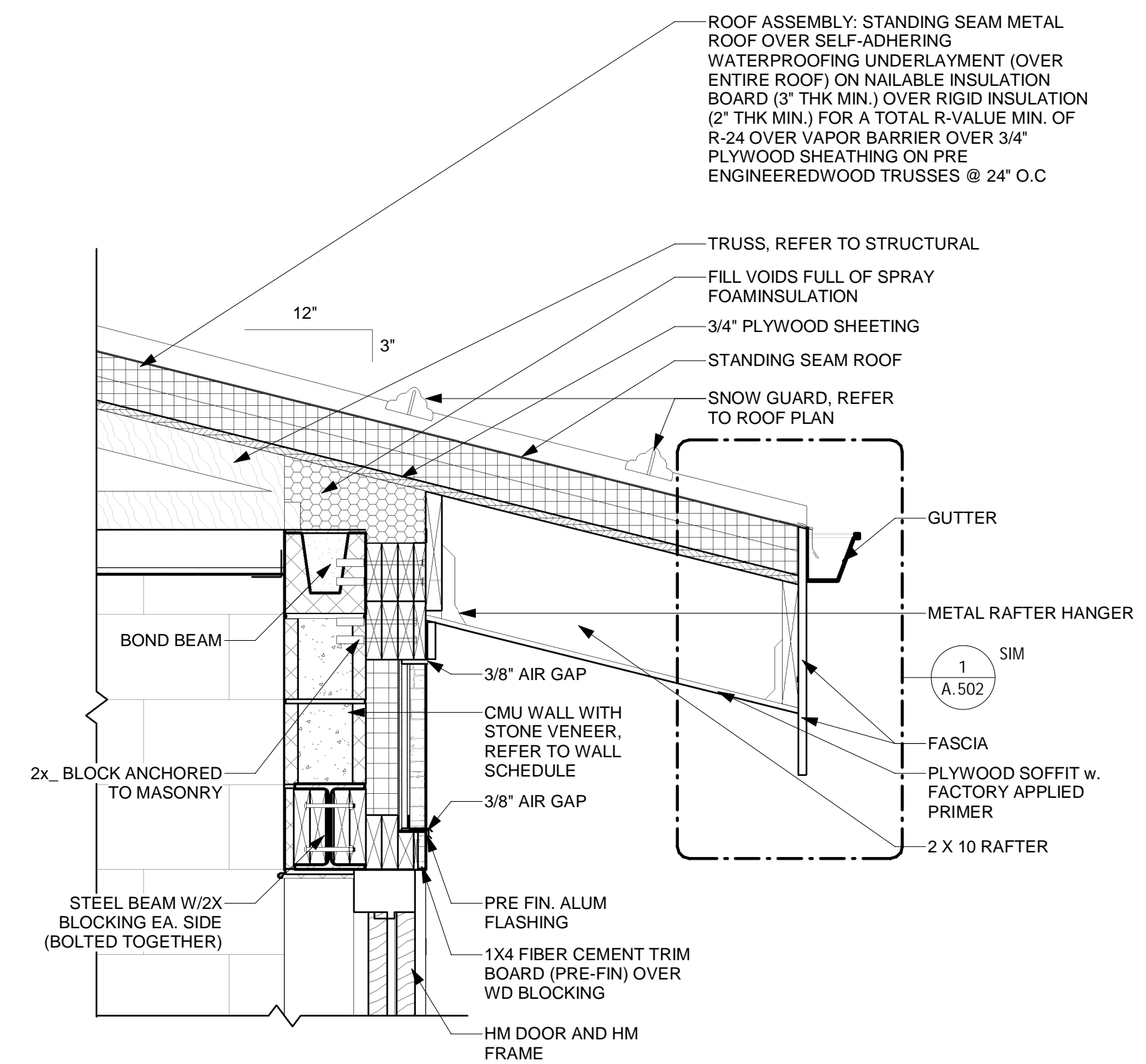
3 TYPICAL WINDOW DETAIL
1 1/2" = 1'-0"



4 TYP COLUMN - SECTION
1 1/2" = 1'-0"



5 TYP COLUMN - ELEVATION
1 1/2" = 1'-0"



6 ROOF EAVE - TYP DETAIL
1" = 1'-0"

REVISIONS	
REV.	DATE
	02/04/2026
	BID SET
	REMARKS

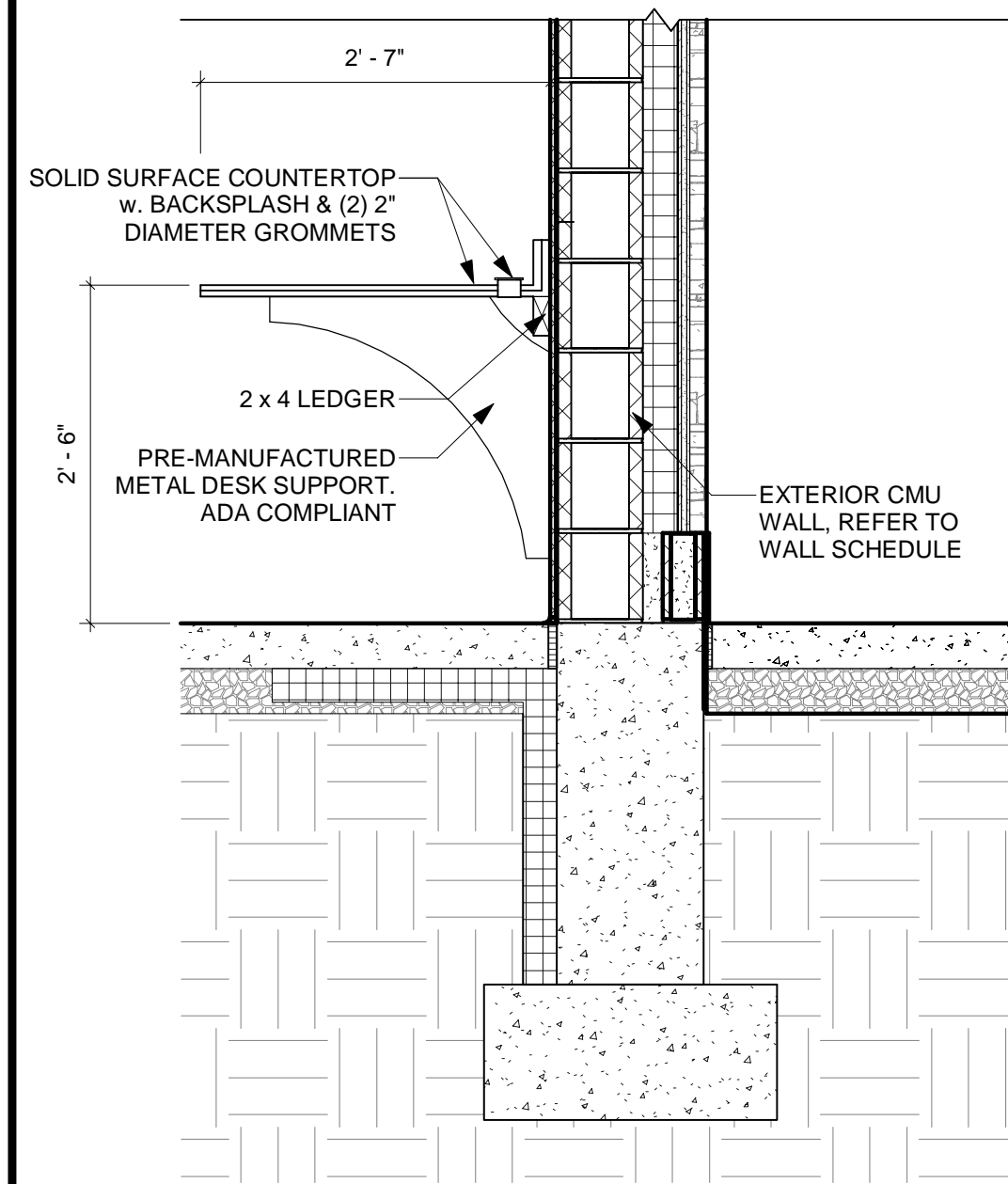
STATE OF OHIO
REGISTERED ARCHITECT
IMAAD JAWEED
12925
1910 Crown Point Columbus, OH 43235
Tel: 614.538.8445 Fax: 614.538.8446
www.starconsultants.com

STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

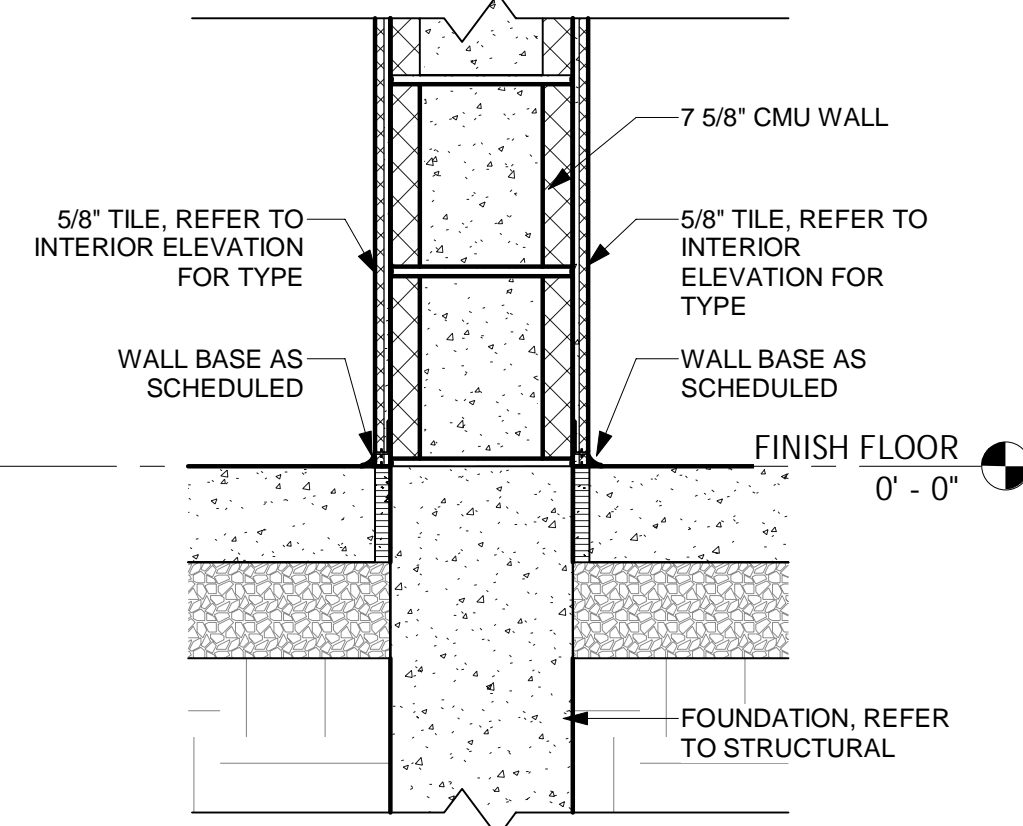
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
EXTERIOR DETAILS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	A.AHMED
DGN. BY:	A.AHMED
REV. BY:	AA

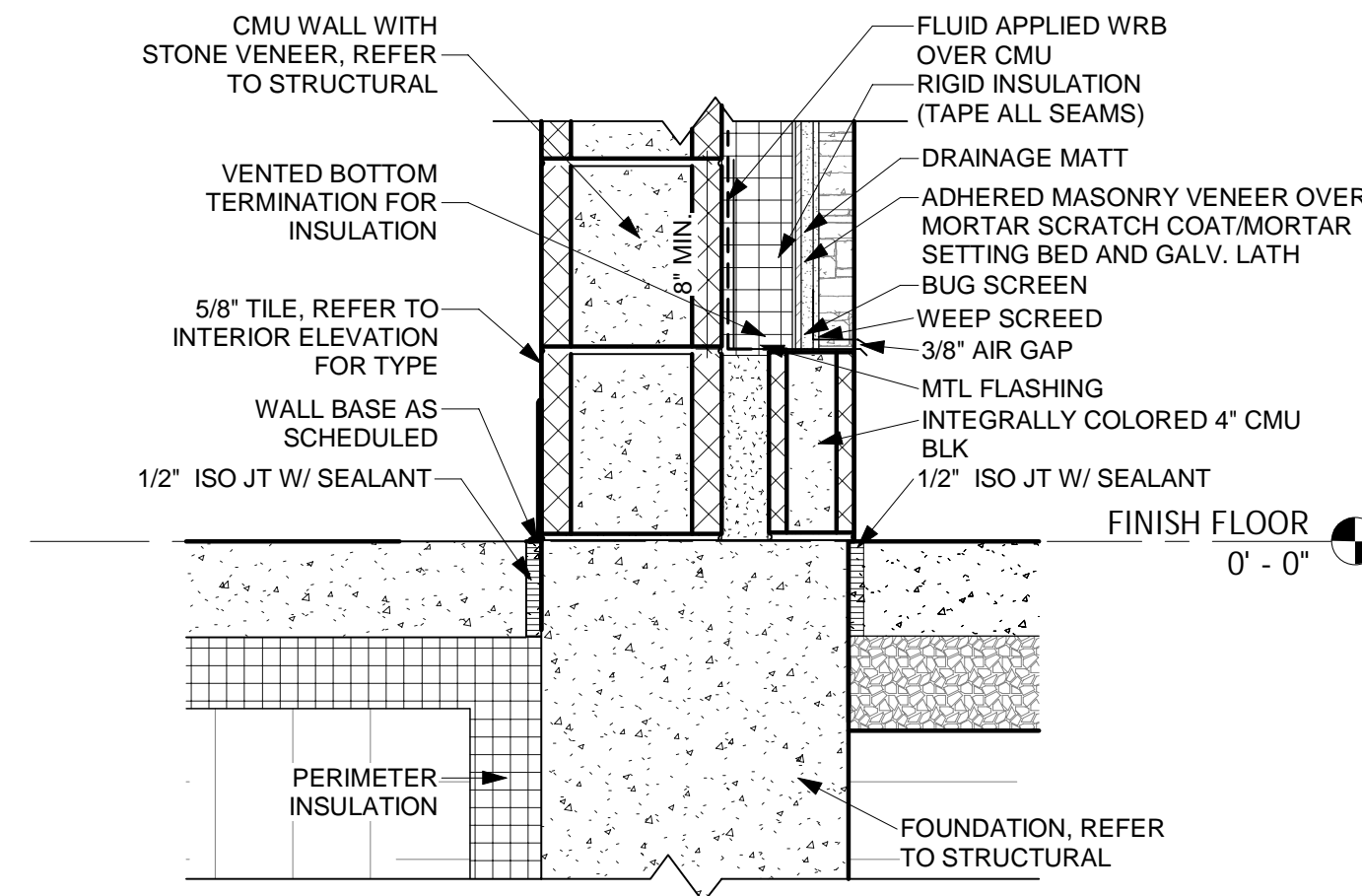
SHEET
A.500



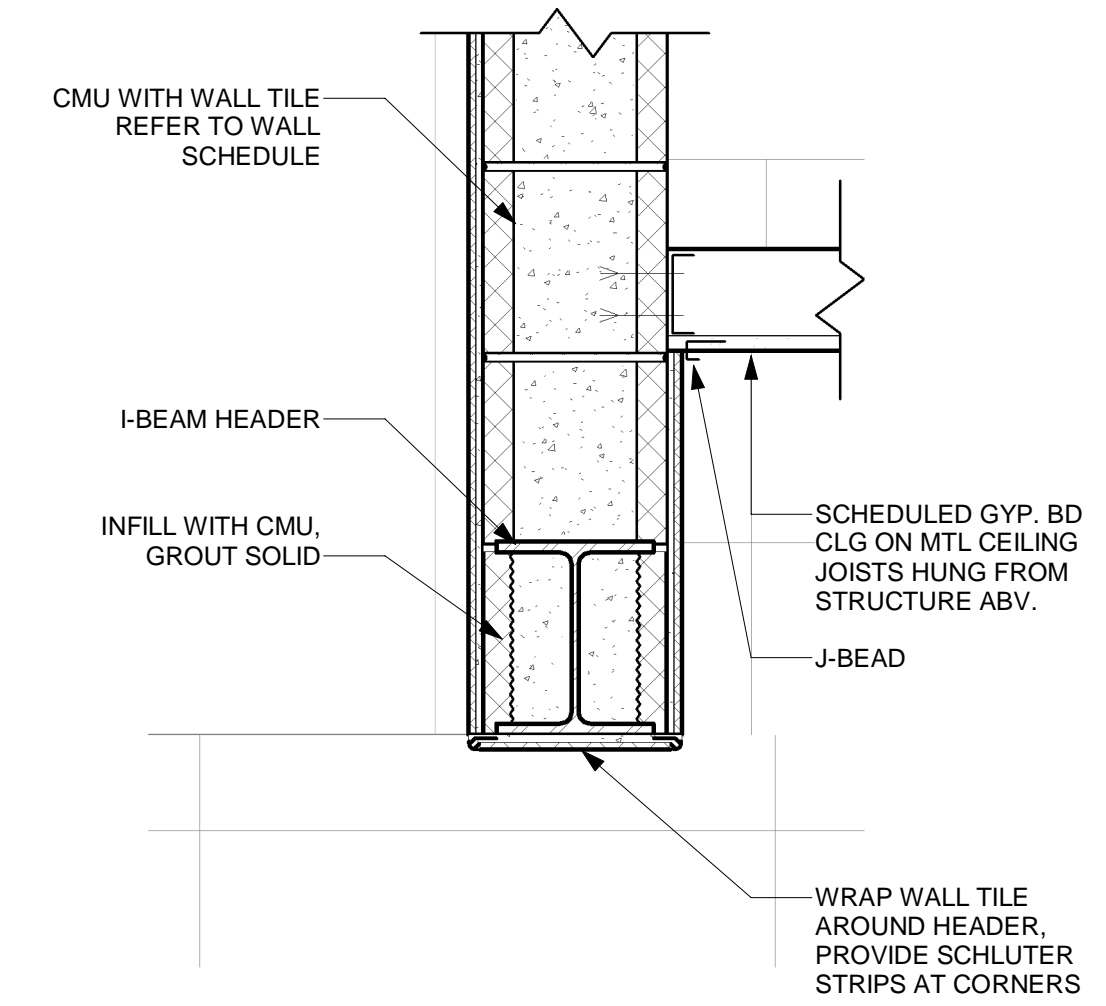
1 JANITOR'S COUNTERTOP WALL SECTION
3/4" = 1'-0"



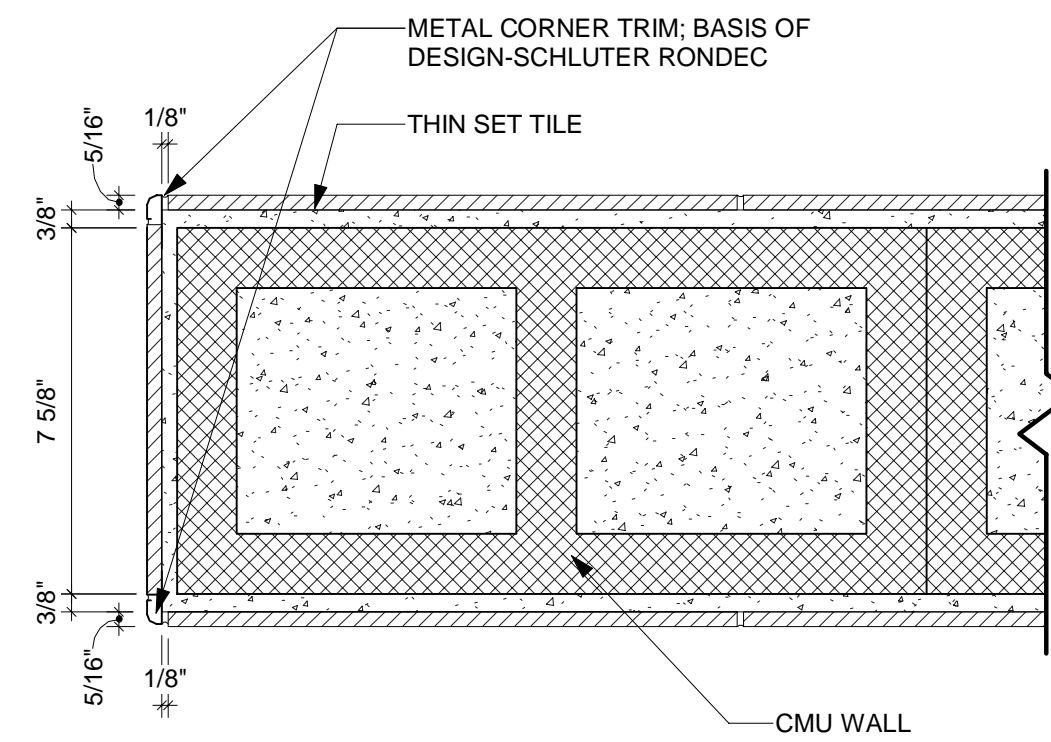
2 TYP INTERIOR WALL BASE DETAIL
1 1/2" = 1'-0"



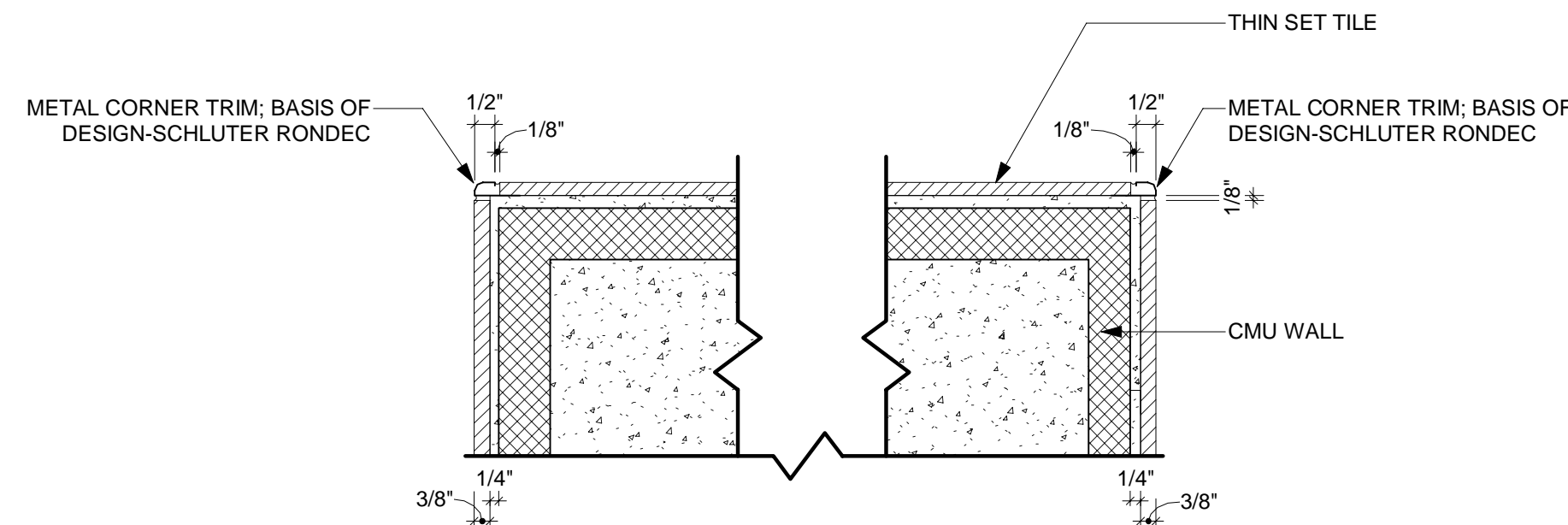
3 TYP EXTERIOR WALL BASE DETAIL
1 1/2" = 1'-0"



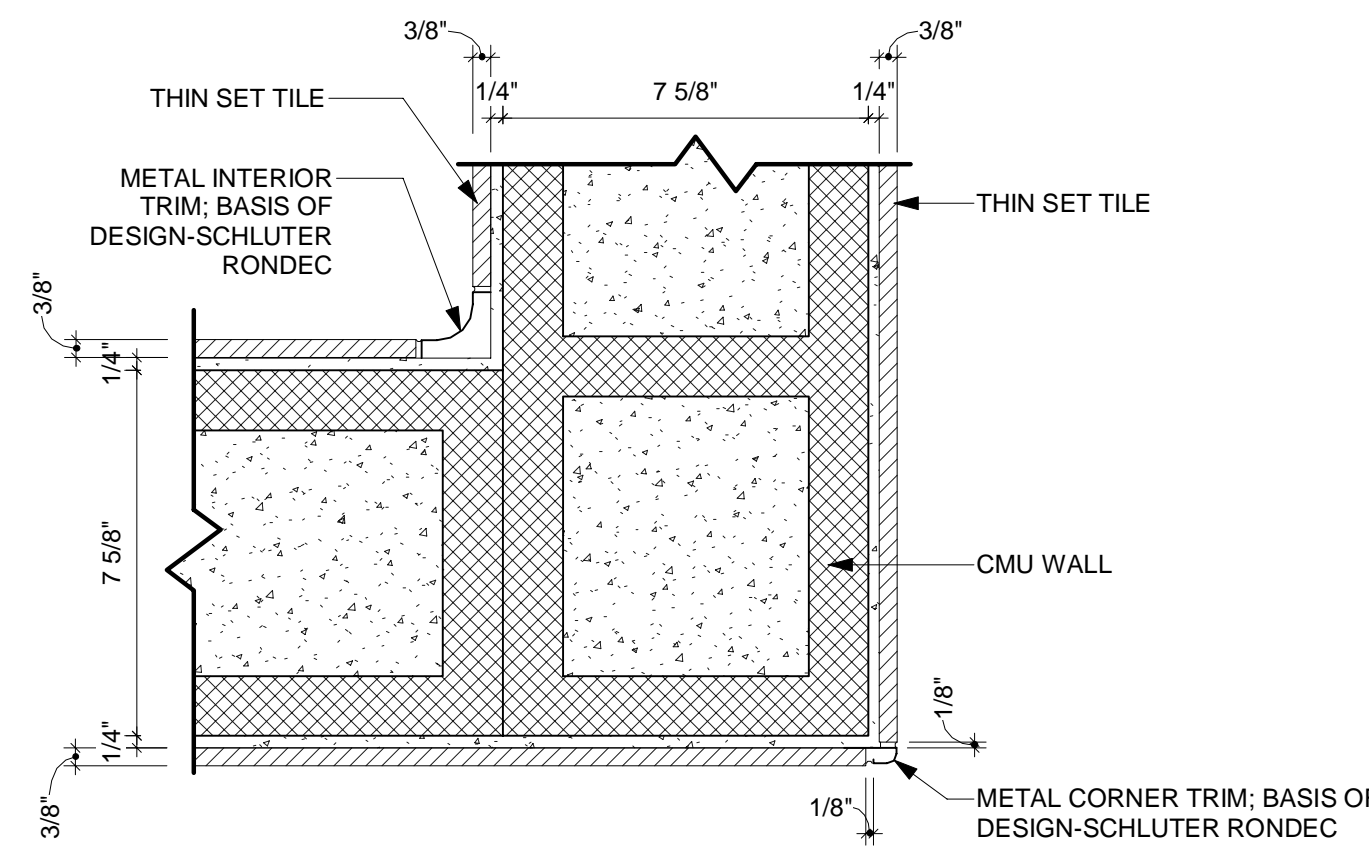
4 BULKHEAD DETAIL
1 1/2" = 1'-0"



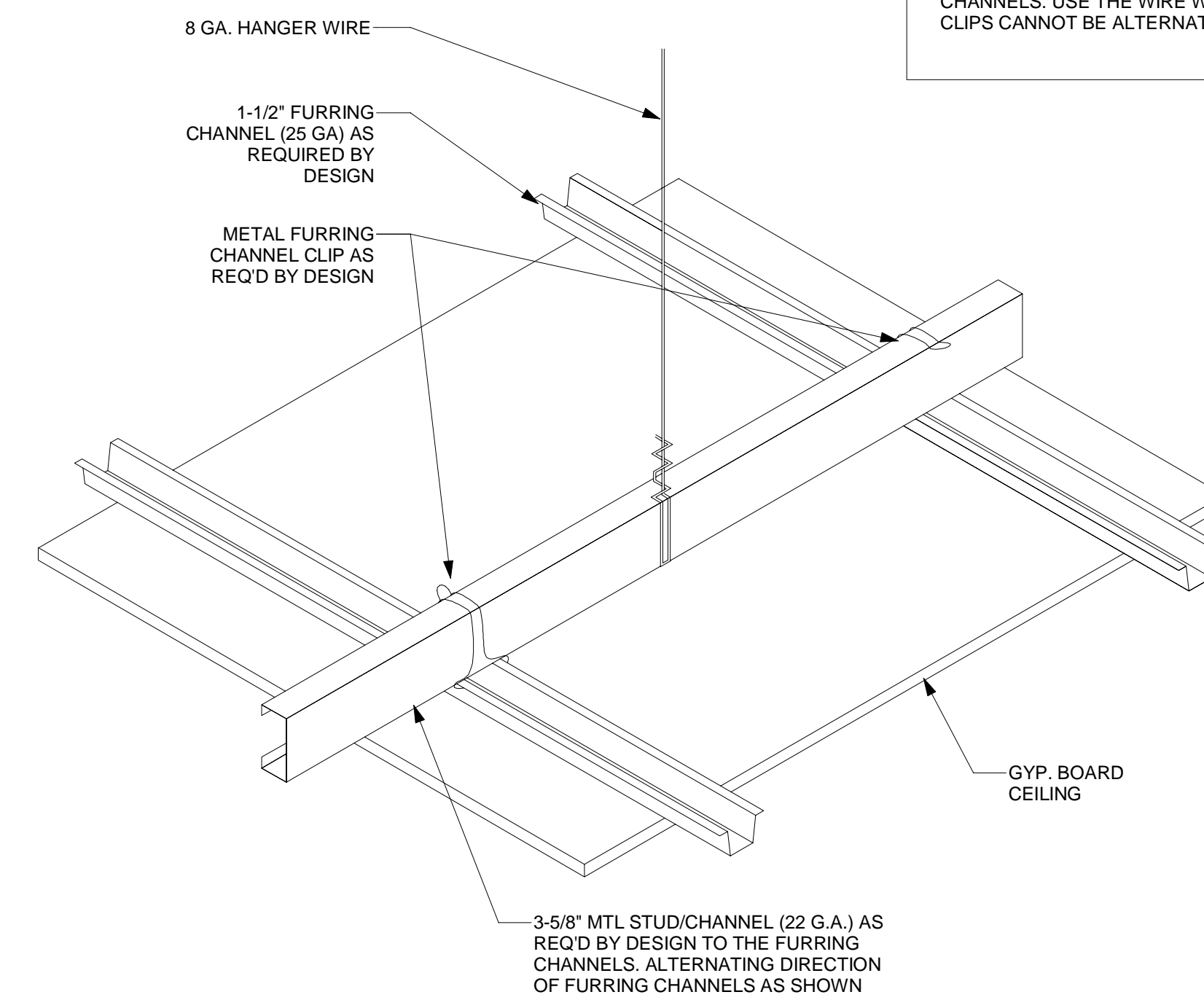
5 TYP CORNER TRIM TILE DETAIL
3" = 1'-0"



6 DOUBLE CORNER TRIM TILE DETAIL
3" = 1'-0"



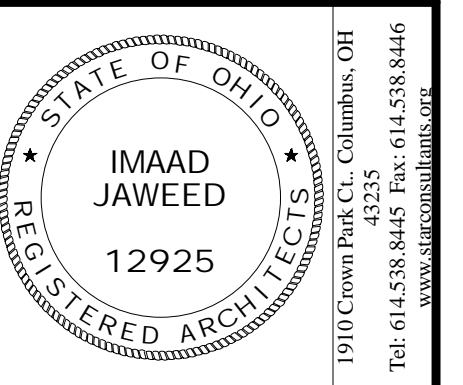
7 TYP INSIDE CORNER TILE DETAIL
3" = 1'-0"



8 TYP GYP CEILING
1" = 1'-0"

NOTE:
CLIPS MUST BE INSTALLED ON
ALTERNATING SIDES OF THE
CHANNELS. USE THE WIRE WHEN
CLIPS CANNOT BE ALTERNATED

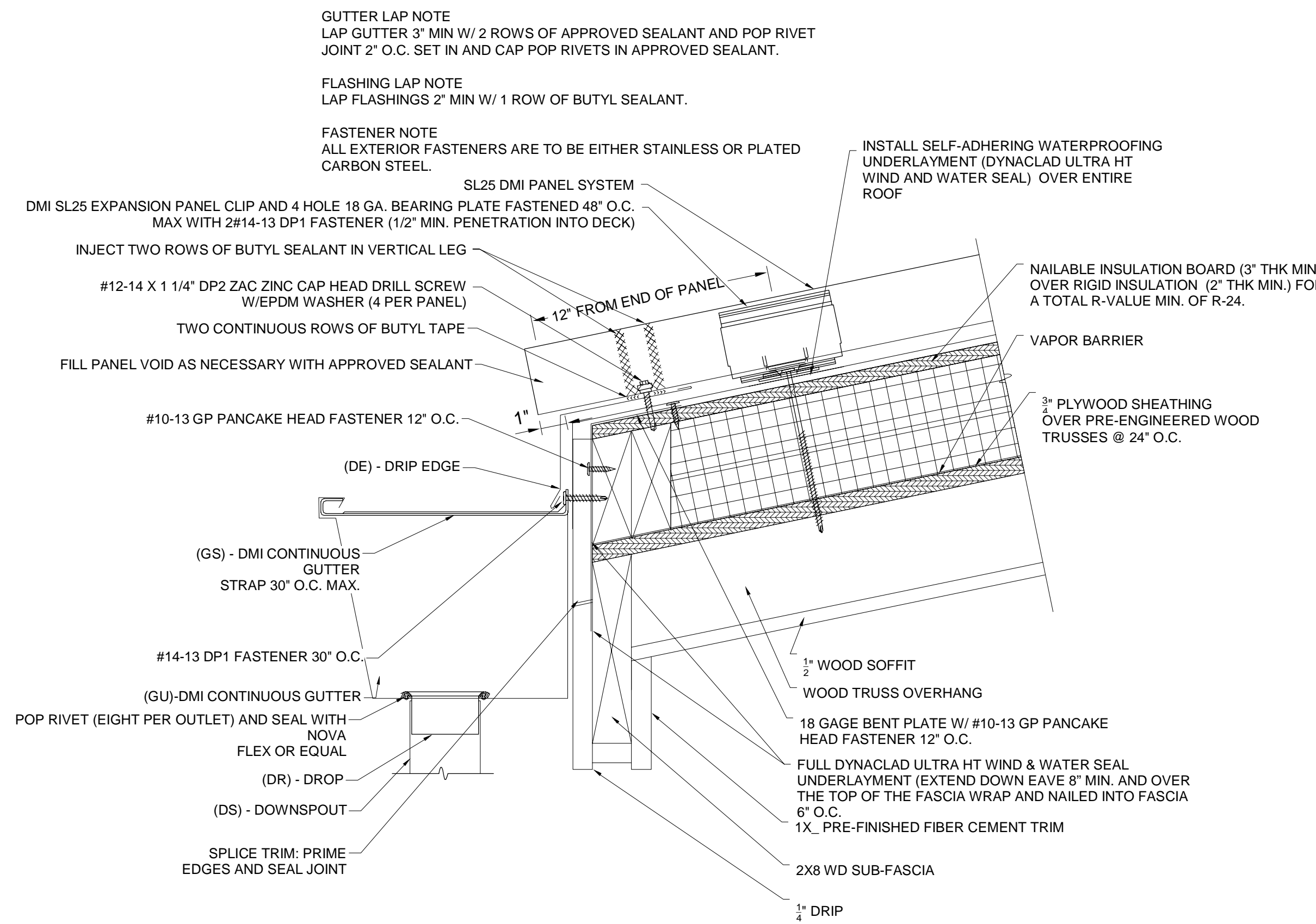
REV.	DATE	REMARKS
02	04/2026	BID SET



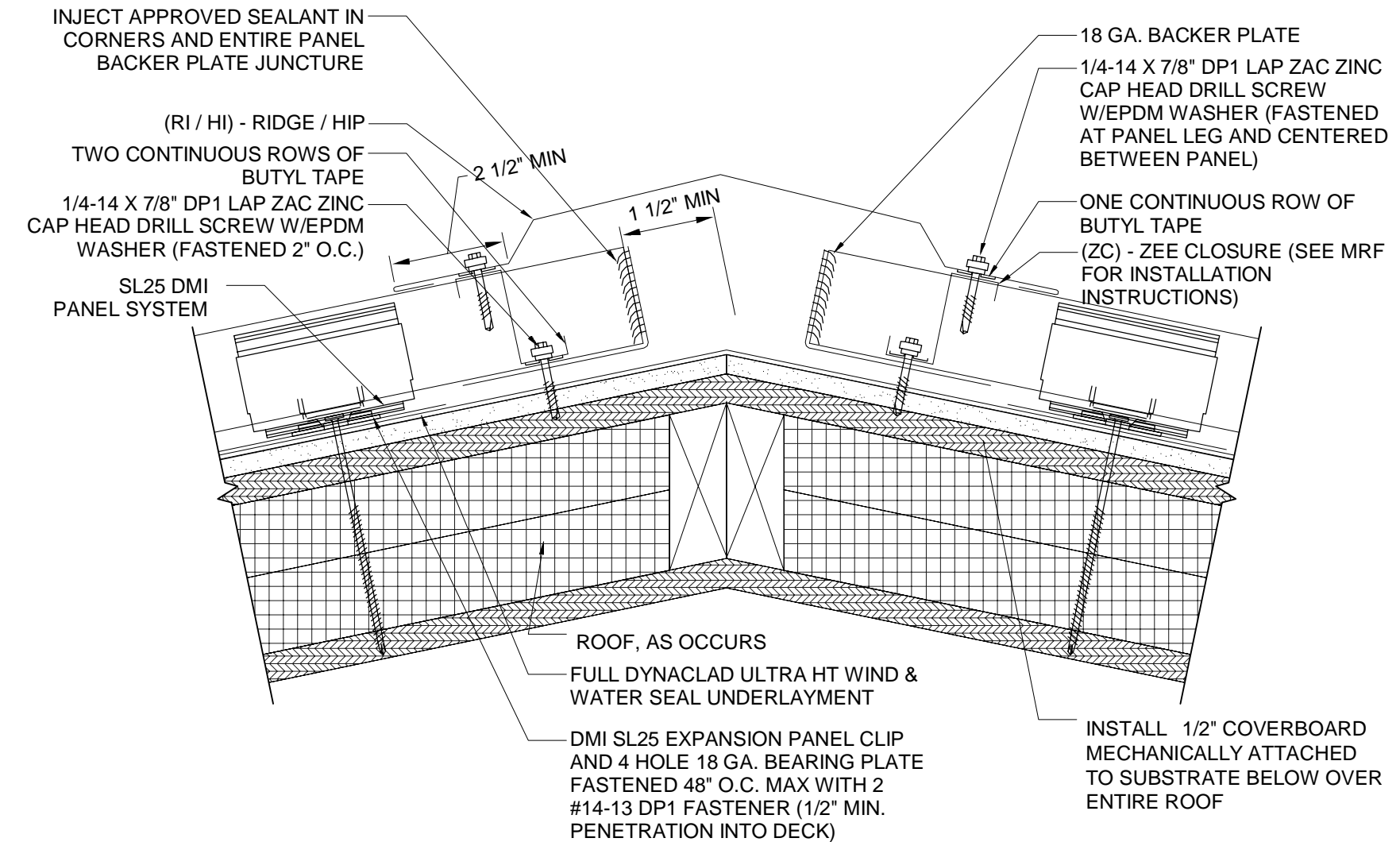
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 INTERIOR DETAILS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	A.AHMED
DGN. BY:	A.AHMED
REV. BY:	AA

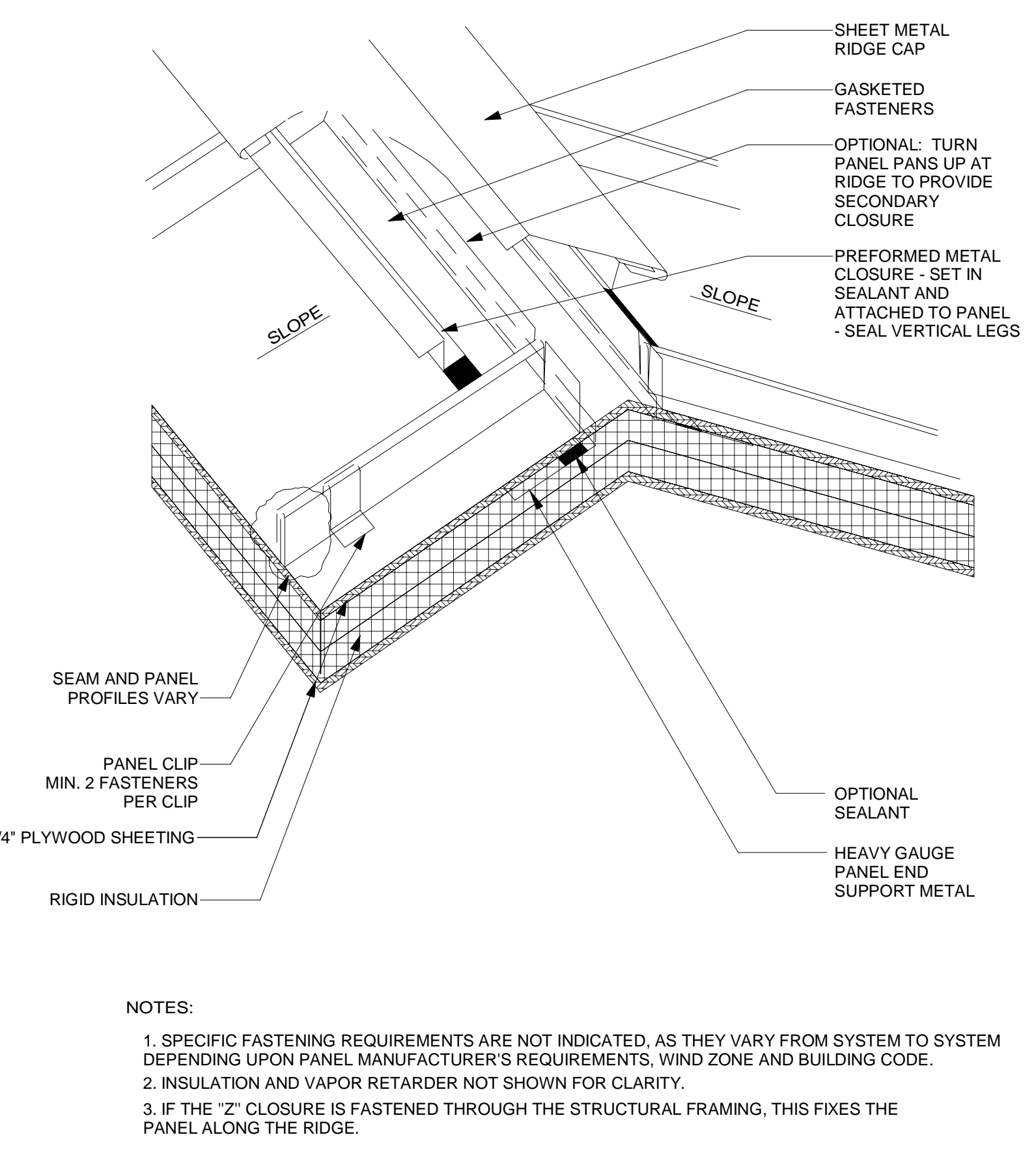
SHEET
A.501



1 ROOF DRIP EDGE
3" = 1'-0"

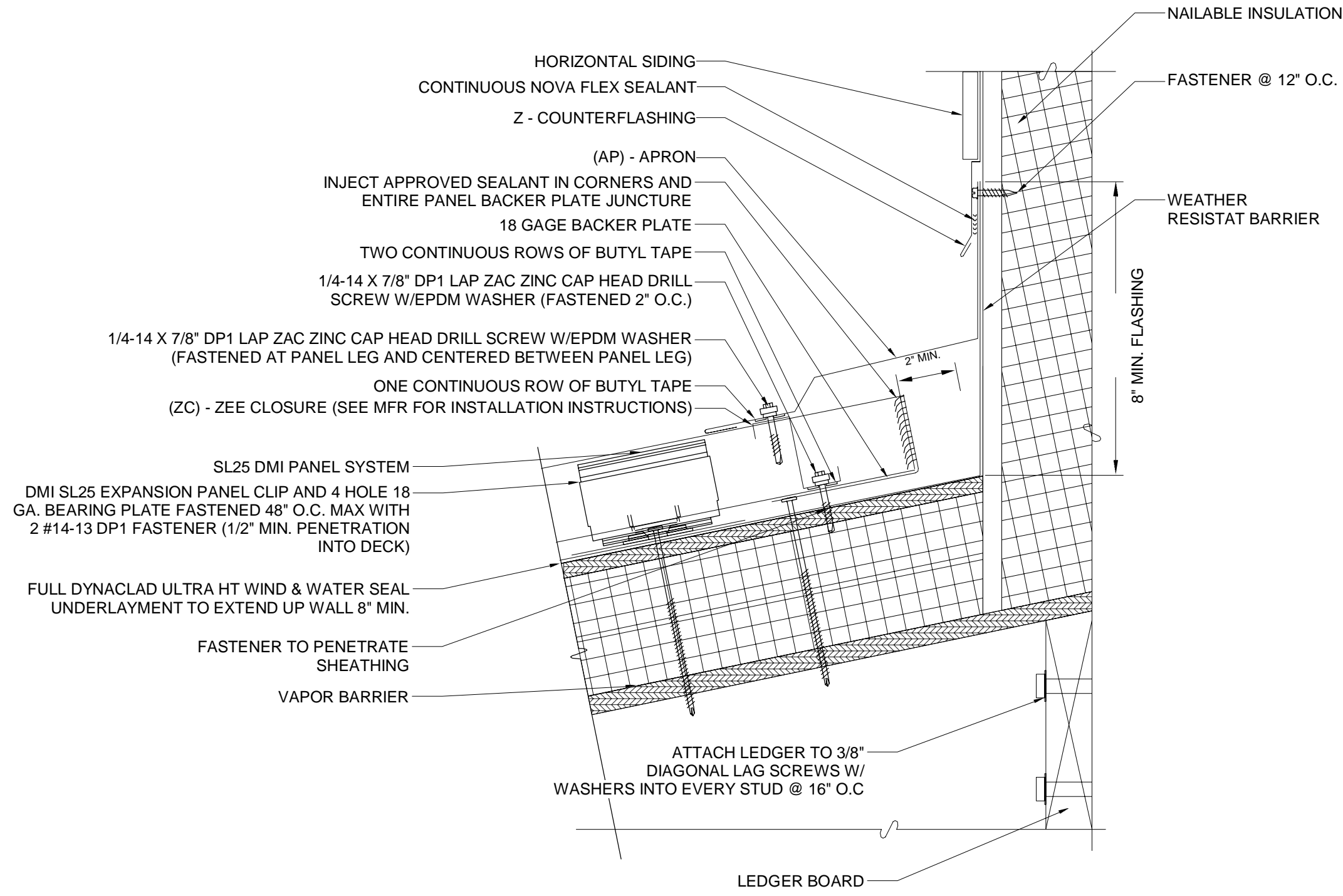


2 RIDGE DETAIL
3" = 1'-0"



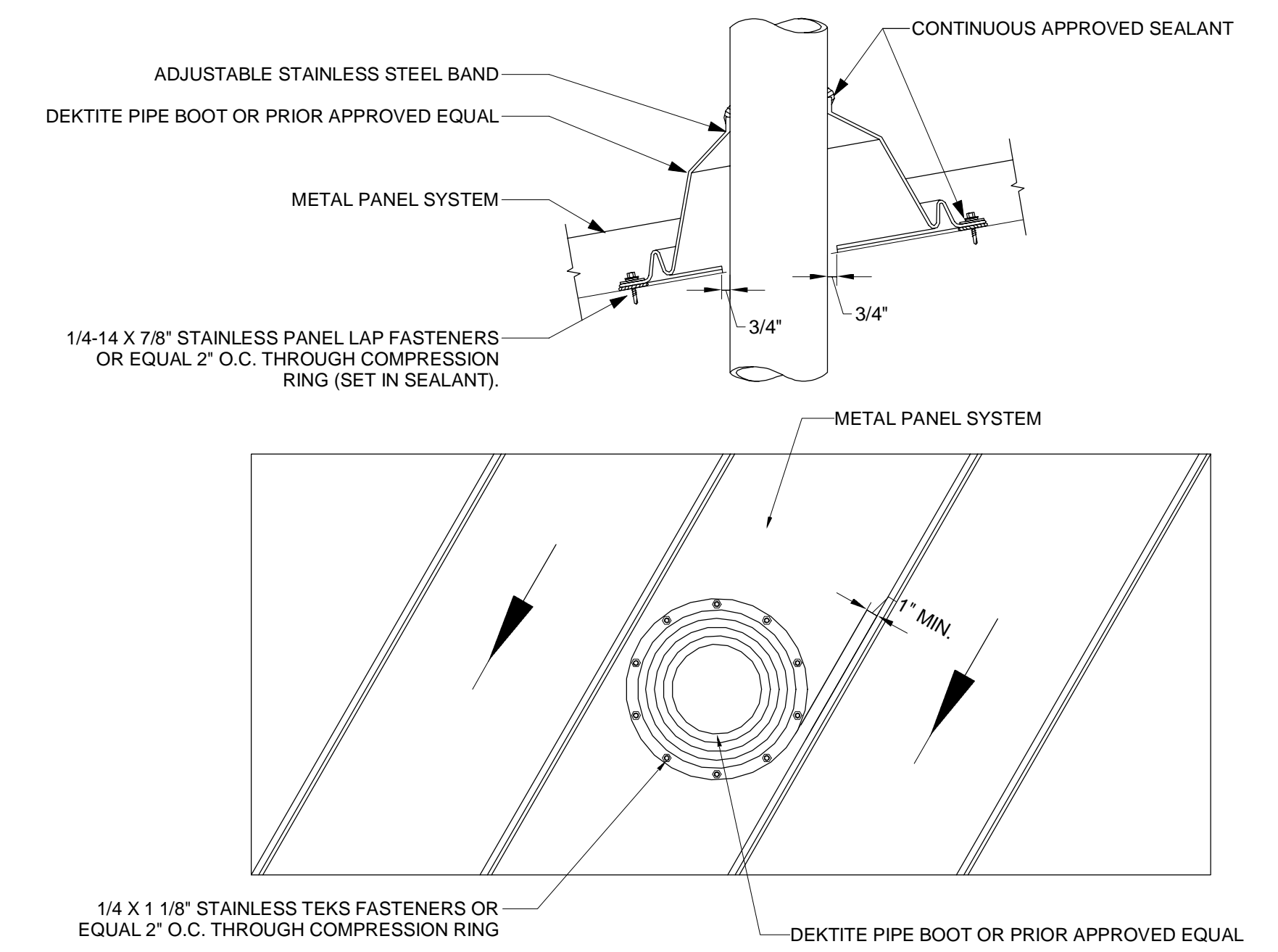
3 RIDGE CAP FLASHING
12" = 1'-0"

NOTE
FLASHING LAP NOTE
LAP APRON AND COUNTER FLASHING 2" MINIMUM WITH 2 ROWS OF BUTYL SEALANT.
FASTENER NOTE
ALL EXTERIOR FASTENERS ARE TO BE EITHER STAINLESS OR PLATED CARBON STEEL.

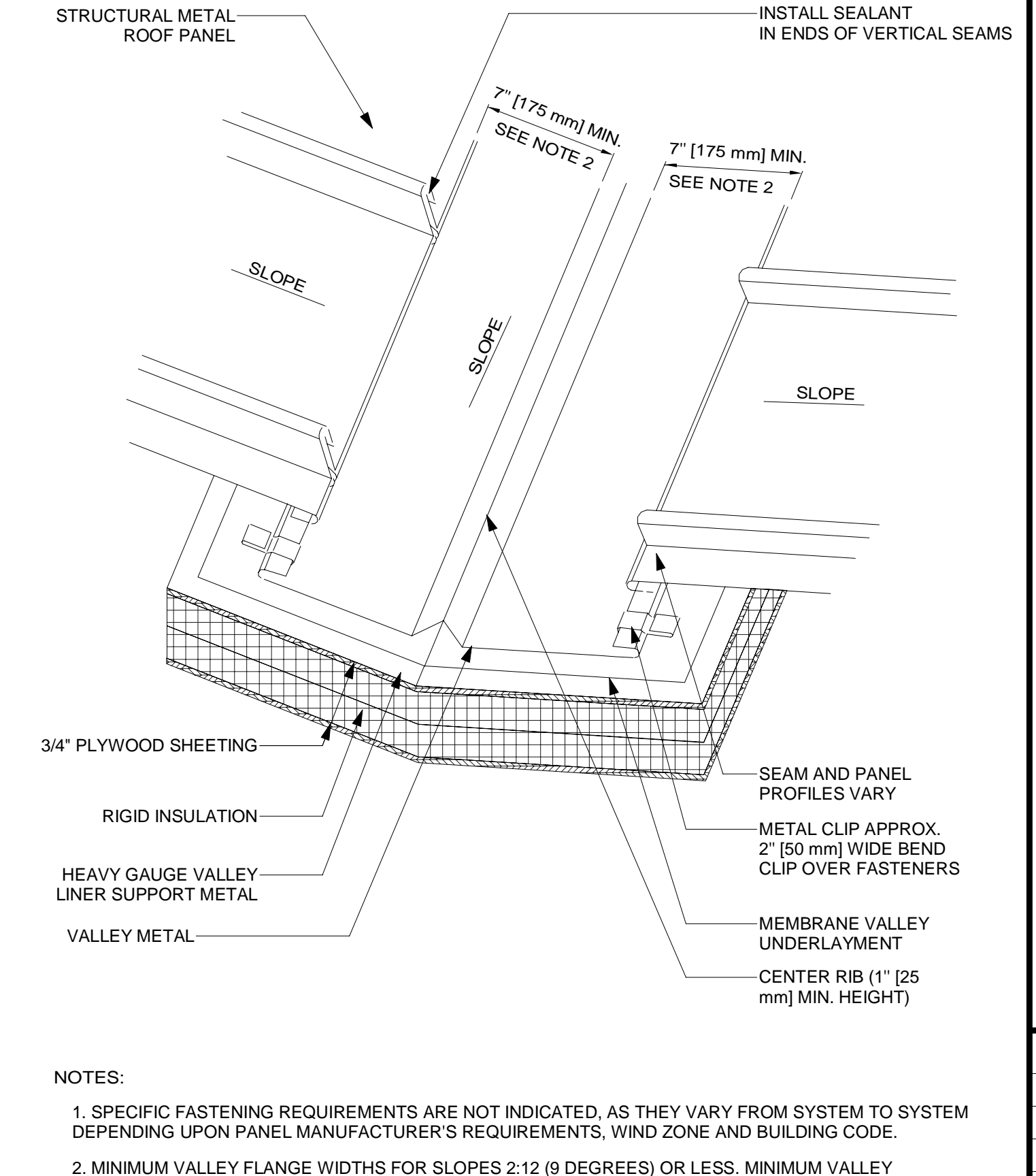


4 APRON FLASHING
3" = 1'-0"

NOTE:
DO NOT ATTACH INTO SOLID SUBSTRATE BELOW. BOOT SHALL NOT INTERSECT STANDING SEAM VERTICAL LEG. INSTALL IN FLAT AREA OF PANEL ONLY. IF USING A SQUARE BOOT DETAIL BE SURE TO SET BOOT IN A DIAGONAL OR DIAMOND TO ALLOW WATER FLOW.

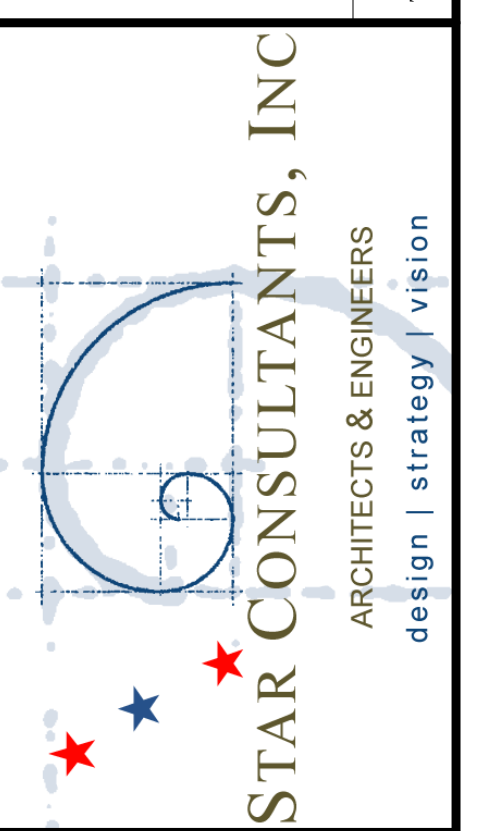
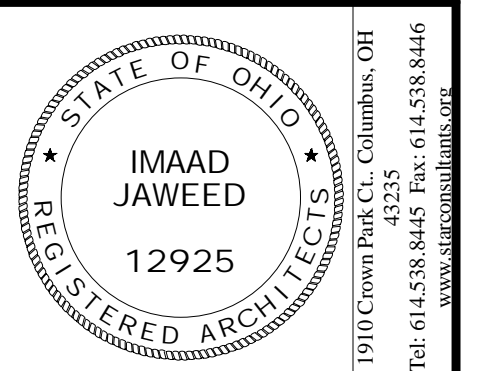


5 PIPE PENETRATION
3" = 1'-0"



6 VALLEY FLASHING
12" = 1'-0"

REV.	DATE	REMARKS
02	04/20/26	BID SET



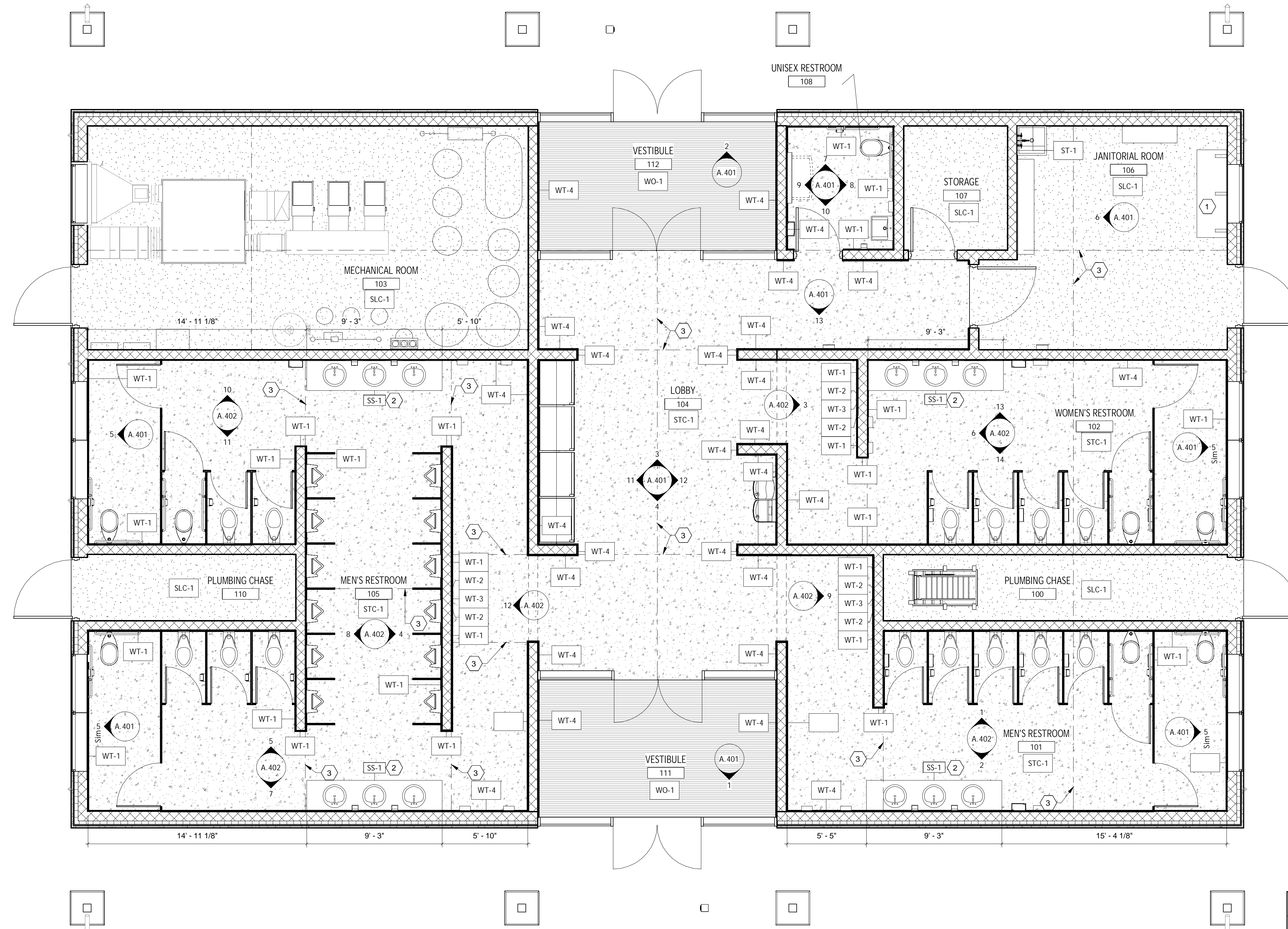
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	A.AHMED
DGN. BY:	A.AHMED
REV. BY:	AA

SHEET
A.502

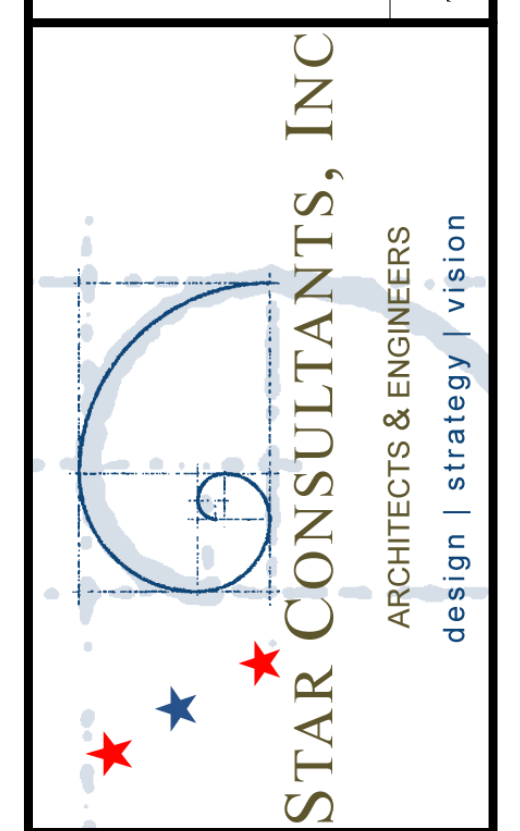
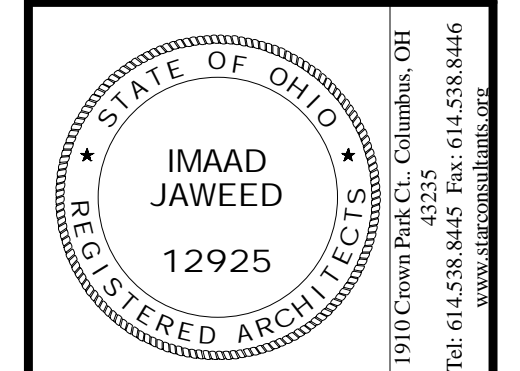
CODED NOTES:

1. 24"x6'-0" DESK COUNTER
2. 24"x9'-3" LAVATORY COUNTER
3. CONTROL JOINTS



1 FINISH FLOOR PLAN
1/4" = 1'-0"

REV.	DATE	REMARKS
02	04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 FINISH PLAN AND SCHEDULE

ROOM FINISH SCHEDULE						
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
100	PLUMBING CHASE	SLC-1	WB-2	PT-1	PT-2	
101	MEN'S RESTROOM	STC-1	WB-1	WT-1/WT-2/WT-3/WT-4	PT-2	
102	WOMEN'S RESTROOM	STC-1	WB-1	WT-1/WT-2/WT-3/WT-4	PT-2	
103	MECHANICAL ROOM	SLC-1	WB-2	PT-1	OPEN	
104	LOBBY	STC-1	WB-1	WT-4	PT-2	
105	MEN'S RESTROOM	STC-1	WB-1	WT-1/WT-2/WT-3/WT-4	PT-2	
106	JANITORIAL ROOM	SLC-1	WB-2	PT-1	PT-2	
107	STORAGE	SLC-1	WB-2	PT-1	PT-2	
108	UNISEX RESTROOM	STC-1	WB-1	WT-1/WT-4	PT-2	
110	PLUMBING CHASE	SLC-1	WB-2	PT-1	PT-2	
111	VESTIBULE	WO-1	WB-1	WT-4	PT-2	
112	VESTIBULE	WO-1	WB-1	WT-4	PT-2	

PJT #: 250009
 DATE: 10/24/2025
 DRN. BY: DAZ
 DGN. BY: DAZ
 REV. BY: AA

SHEET
A.600

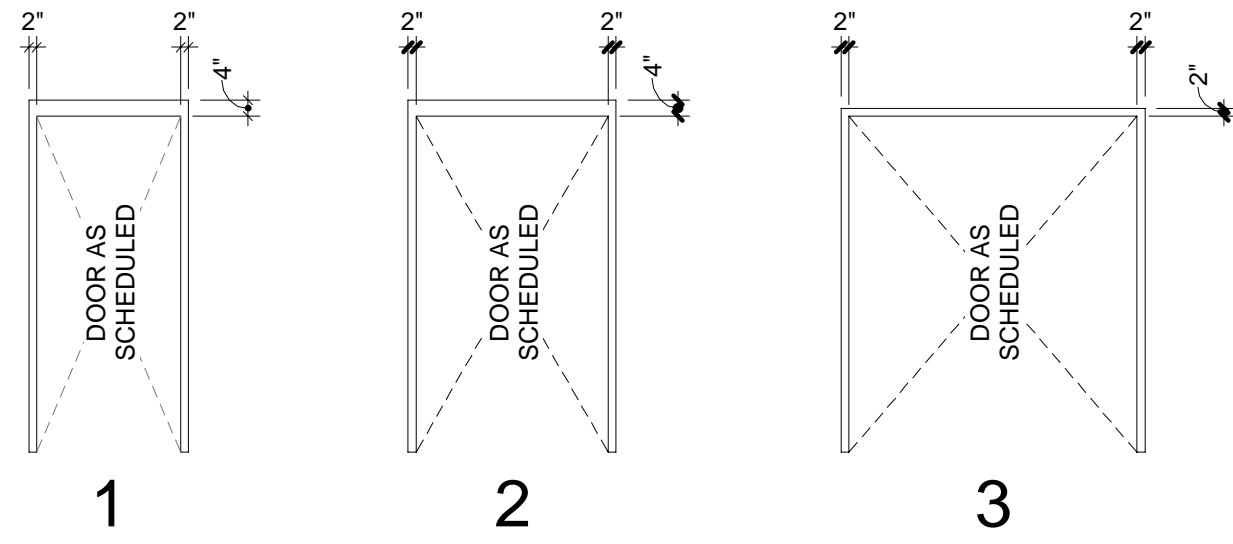
DOOR SCHEDULE																
MARK	TO ROOM NAME	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HDWE	HEAD	JAMB	SILL	FIRE RATING	COMMENTS
100	PLUMBING CHASE	4'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	12	CHH1	CHJ1	ADS1		
103A	MECHANICAL ROOM	4'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	16	CHH1	CHJ1	ADS1		
106A	JANITORIAL ROOM	4'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	11	CHH1	CHJ1	ADS1		
106B	JANITORIAL ROOM	4'-0"	7'-0"	0'-1 3/4"	E	HM	PAINT	1	HM	PAINT	15	CHH1	CHJ1	-		
107	STORAGE	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	3	CHH1	CHJ1	-		
108	UNISEX RESTROOM	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	13	CHH1	CHJ1	-		
110	PLUMBING CHASE	4'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	12	CHH1	CHJ1	ADS1		
111A	VESTIBULE	6'-0"	7'-0"	0'-1 3/4"	-	ALUM	MFR	-	ALUM	MFR	6	SFH1	SFJ1	SFS1		SEE ELEVATIONS FOR DETAILS
111B	VESTIBULE	6'-0"	7'-0"	0'-1 3/4"	-	ALUM	MFR	-	ALUM	MFR	7	SFH1	SFJ1	SFS1		SEE ELEVATIONS FOR DETAILS
112A	VESTIBULE	6'-0"	7'-0"	0'-1 3/4"	-	ALUM	MFR	-	ALUM	MFR	6	SFH1	SFJ1	SFS1		SEE ELEVATIONS FOR DETAILS
112B	VESTIBULE	6'-0"	7'-0"	0'-1 3/4"	-	ALUM	MFR	-	ALUM	MFR	7	SFH1	SFJ1	SFS1		SEE ELEVATIONS FOR DETAILS

GENERAL DOOR SCHEDULE NOTES:

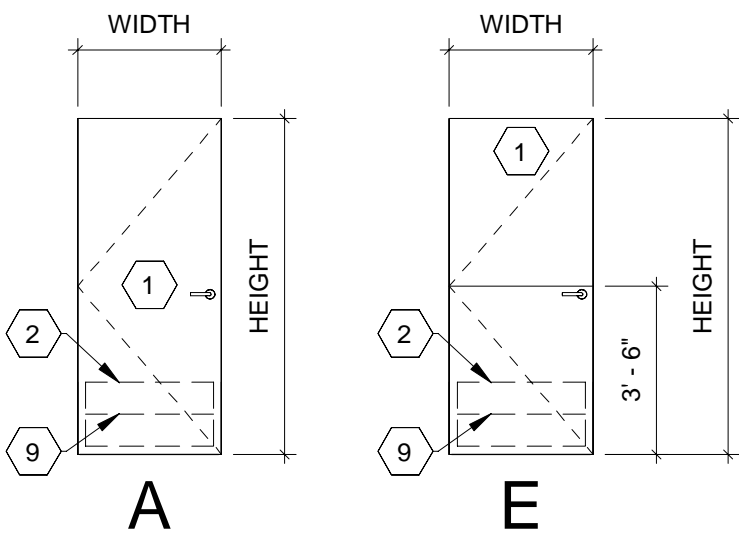
1. PROVIDE MASTER KEYING FOR ALL DOORS
2. PROVIDE COMPLETE SHOP DRAWINGS FOR A/E APPROVAL BEFORE ORDERING
3. ALL EXTERIOR, OUTSWING DOORS TO HAVE NRP HINGES. ALL EXTERIOR METAL DOORS SHALL BE INSULATED.
4. SUBMIT COLOR SAMPLES FOR ALL DOORS TO BE APPROVED BY A/E

DOOR SCHEDULE KEY:

- | | |
|------------|---|
| ALUM | ALUMINUM DOORS |
| FRP | FIBER REINFORCED PLASTIC |
| GALV | GALVANIZED FRAME (INTEGRAL WITH OVERHEAD DOORS) |
| HM | HOLLOW METAL FRAME |
| MIL. ANDZ. | MILLED & ANODIZED ALUMINUM FINISH |
| PAINT BKD | PAINT BULKHEAD AT OVERHEAD DOORS |
| POWER | POWER-DOOR OPERATOR ON SWING DOOR |
| SS | STAINLESS STEEL |
| WF | WELDED FRAME |

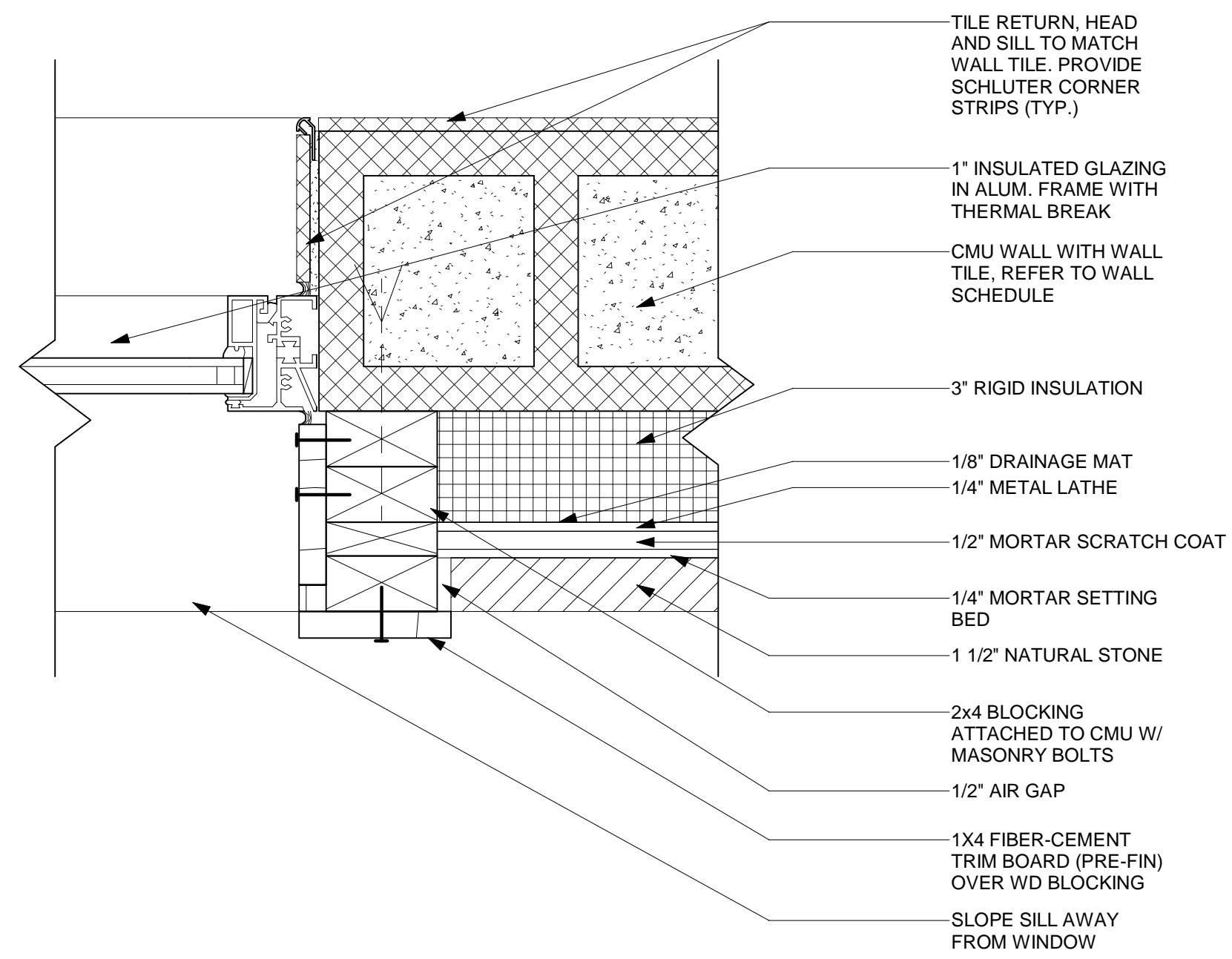


FRAME TYPE ELEVATIONS
1/4" = 1'-0"



DOOR ELEVATION CODED NOTES
1. FLUSH DOOR.
2. KICK PLATE, 2" LESS THAN WIDTH OF DOOR x 16" TALL.
3. MOP PLATE, 1 1/2" LESS THAN WIDTH OF DOOR x 8" TALL.

DOOR TYPE ELEVATIONS
1/4" = 1'-0"

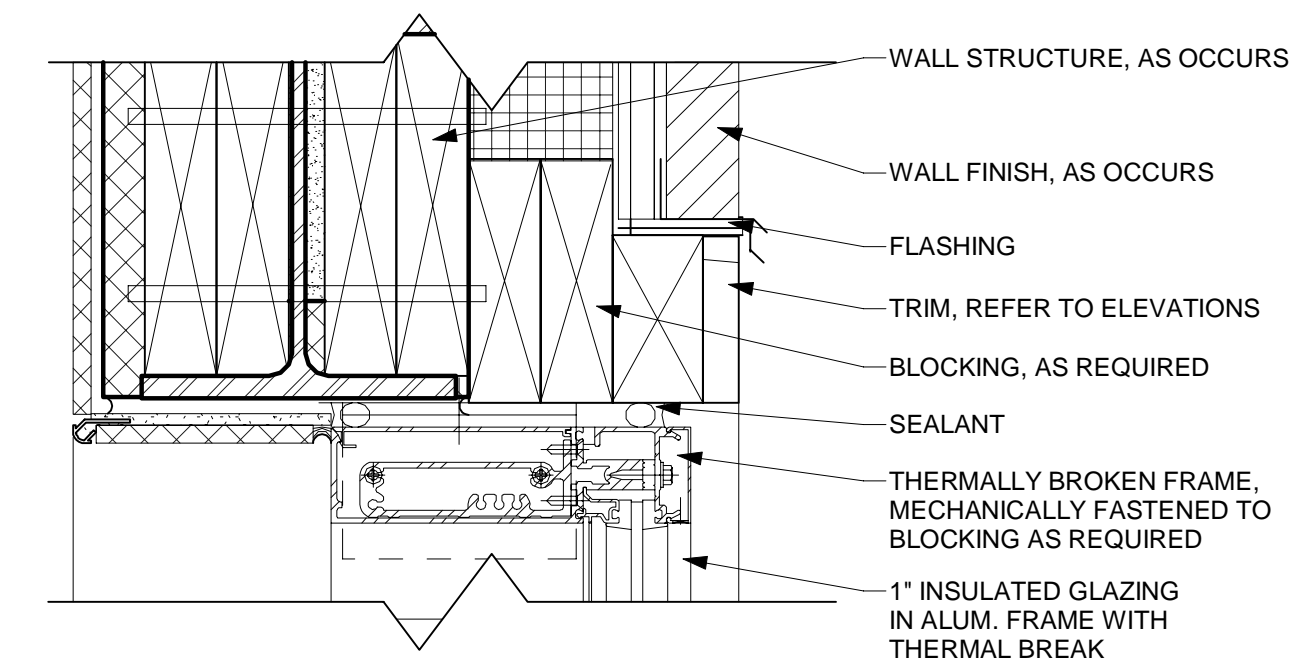


11 SFJ1 - STOREFRONT JAMB DETAIL
3" = 1'-0"

STOREFRONT SCHEDULE											
MARK	SIZE		TYPE	FINISH	GLAZING	U-VALUE	SHGC	DETAIL			COMMENTS
	LENGTH	HEIGHT						HEAD	JAMB	SILL	
W1	16'-4"	VARIES	EXTERIOR STOREFRONT	ANODIZED	1" INSULATED, TEMPERED	0.36	0.3	SFH1	SFJ1	ADS1	ON, THERMALLY BROKEN FRAME. LOW-E
W2	16'-4"	VARIES	EXTERIOR STOREFRONT	ANODIZED	1" INSULATED, TEMPERED	0.36	0.3	SFH1	SFJ1	ADS1	ON, THERMALLY BROKEN FRAME. LOW-E
W3	16'-4"	VARIES	EXTERIOR STOREFRONT	ANODIZED	1" INSULATED, TEMPERED	0.36	0.3	SFH1	SFJ1	ADS1	ON, THERMALLY BROKEN FRAME. LOW-E
W4	16'-4"	VARIES	EXTERIOR STOREFRONT	ANODIZED	1" INSULATED, TEMPERED	0.36	0.3	SFH1	SFJ1	ADS1	ON, THERMALLY BROKEN FRAME. LOW-E

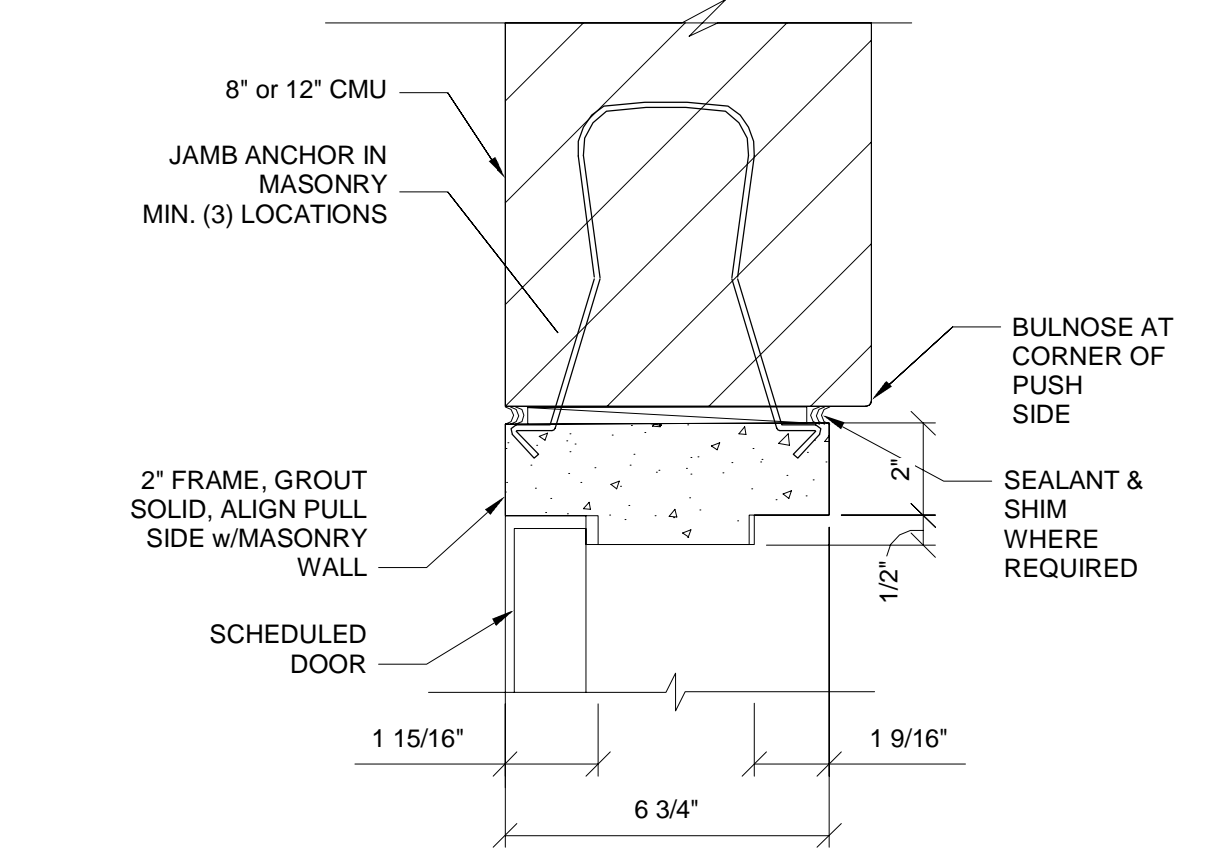
WINDOW SCHEDULE											
MARK	SIZE		TYPE	FINISH	GLAZING TYPE	U VALUE	SHGC	DETAIL			COMMENTS
	WIDTH	HEIGHT						HEAD	JAMB	SILL	
W5	4'-0"	2'-0"	FIXED	PT-4	1" INSULATED, TEMPERED, FROSTED	0.36	0.3	3/A.500	WJ1	3/A.500	THERMALLY BROKEN FRAME. LOW-E

DOOR HARDWARE SCHEDULE															
HARDWARE	DOOR USE	HINGES	LOCK SET	CLOSER	STOP	SILENCERS	FLUSH BOLT	WEATHERSTRIPPING	THRESHOLD	SWEEP	KICK PLATE	MOP PLATE	PANIC BAR	PUSH BUTTON	POWER SUPPLY
3	SINGLE FLUSH, INTERIOR, STORAGE, WALL STOP	3	STORAGE	Yes	WALL	3	No	No	No	No	Yes	Yes	No	No	No
6	DOUBLE STOREFRONT, EXTERIOR, PANIC, N/A	2	CONTINUOUS PANIC BARS/PULLS	Yes	N/A	N/A	No	Yes	Yes	Yes	No	No	Yes	No	Yes
7	DOUBLE STOREFRONT, INTERIOR, PUSH/PULL, N/A	2	CONTINUOUS PUSH PLATE/PULL BAR	Yes	N/A	N/A	No	No	No	No	No	No	No	No	Yes
11	OVERSIZE SINGLE FLUSH, EXTERIOR, STORAGE, HINGE STOP	4	STORAGE	Yes	HINGE	4	No	Yes	Yes	Yes	Yes	Yes	No	No	No
12	SINGLE FLUSH, EXTERIOR, STORAGE, HINGE STOP	3	STORAGE	Yes	HINGE	3	No	Yes	Yes	Yes	Yes	Yes	No	No	No
13	SINGLE FLUSH, INTERIOR, PRIVACY/RESTROOM, OVERHEAD STOP	3	PRIVACY	Yes	OVERHEAD	3	No	No	No	No	Yes	Yes	No	No	No
15	SINGLE DUTCH, INTERIOR, STORAGE, WALL STOP	4	STORAGE, DUTCH DOOR BOLT	No	WALL	6	No	No	No	No	Yes	Yes	No	No	No
16	SINGLE FLUSH, EXTERIOR, STORAGE, HINGE STOP, CARD READER	3	STORAGE	Yes	HINGE	3	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No

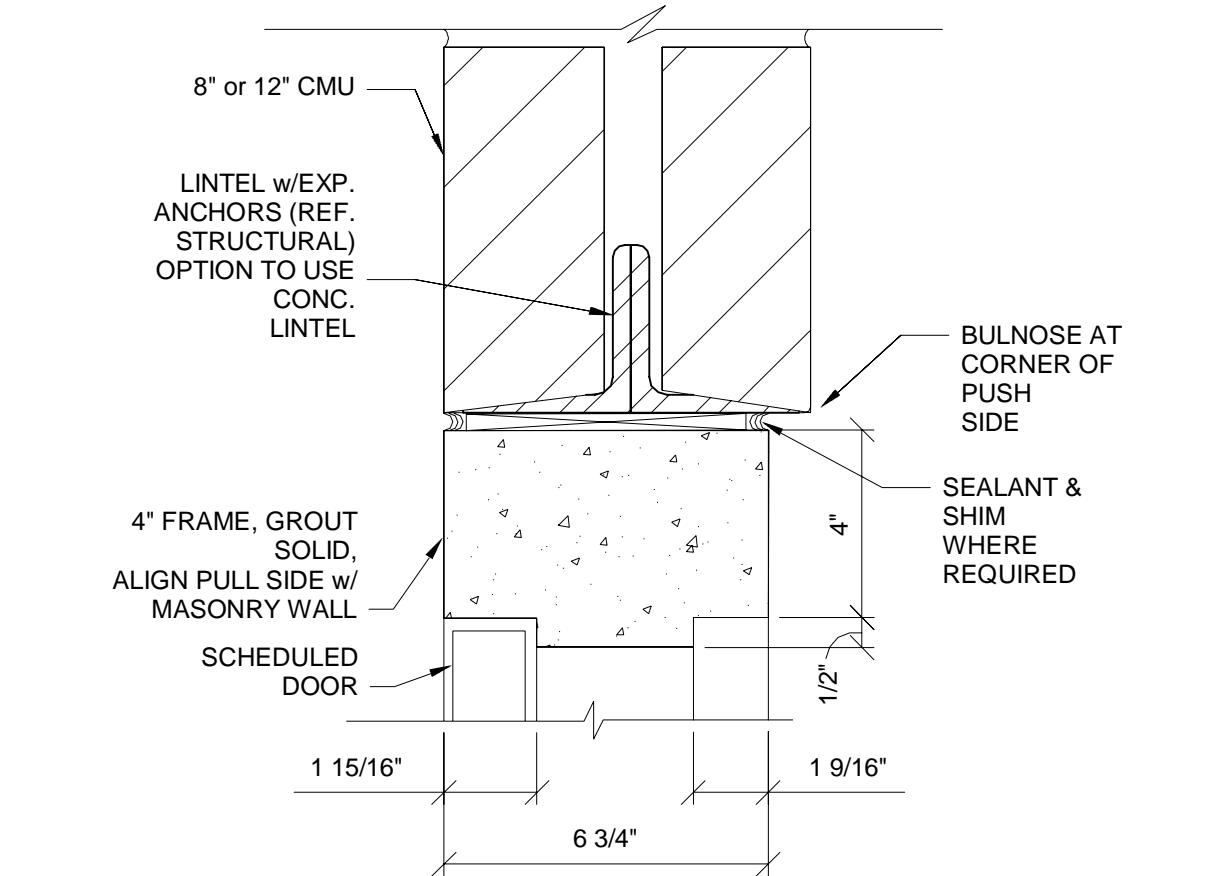


12 SFH1 - STOREFRONT HEAD DETAIL
3" = 1'-0"

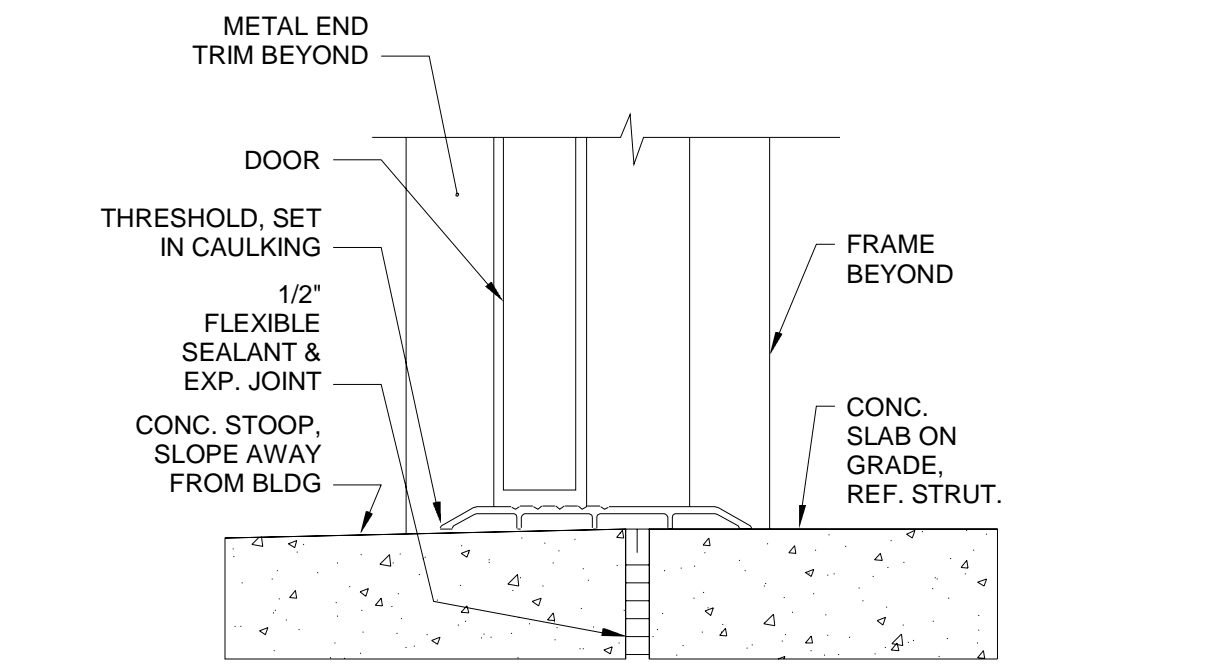
FINISH MATERIAL SCHEDULE			
Material: Mark	Material: Manufacturer	Material: Model	Material: Comments
COUNTERS			
SS-1	DUPONT	CORIAN SOLID SURFACE - SANDSTONE	
FLOOR FINISH			
SLC-1	PROSOCO	CONSOLIDECK LS/CS AND SL100	
STC-1	PROSOCO	CONSOLIDECK STAIN, LIGHT ROAST	TOP WITH CONSOLIDECK LS/CS AND SL100 WATER REPELLENT
WO-1	CONSTRUCTION SPECIALTIES	PEDTRED G4	WALK OFF MAT
PAINT			
PT-1	SHERWIN WILLIAMS	SW7013 IVORY LACE	WALLS: 1 COAT PRIMER, 2 COATS PAINT
PT-2	SHERWIN WILLIAMS	SW7757 HIGH REFLECTANCE WHITE	CEILING: 1 COAT PRIMER, 2 COATS PAINT
PT-4	SHERWIN WILLIAMS	SW6152 SUPERIOR BRONZE	EXTERIOR CEILING, TRIMS AND LOUVERS: 1 COAT PRIMER, 2 COATS PAINT
WALL BASE			
WB-1	SCHLUTER	DILEX-AHKA COVE BASE	
WB-2	JOHNSONITE	TRADITIONAL VINYL 6", 47 BROWN	
WALL FINISHES			
ST-1	INPRO	SHEET WALL CLADDING	PROVIDE CAP TRIM WITH MITERED CORNERS ON OPEN SIDES
VS-1	DUTCH QUALITY STONE	LEDGESTONE - SIENNA	
WALL TILE			
WT-1	FLORIDA TILE	HIGH RIDGE CANYON SLATE 12x24	SCHLUTER DILEX-AHKA COVE BASE AND SCHLUTER RONDEC AT OUTSIDE CORNERS
WT-2	MARAZZI	MIDPARK MOSAICS MP09 TRAPEZOID	SCHLUTER DILEX-AHKA COVE BASE AND SCHLUTER RONDEC AT OUTSIDE CORNERS
WT-3	CUSTOM	WT-1 FOR BACKGROUND, WT-4 FOR LETTERS	CUSTOM WATER JET CUT WALL TILE, PROVIDE DUPLICATE SETS FOR ATTIC STOCK
WT-4	DALTILE	FABRIC ART MODERN LINEAR BEIGE 12x24	SCHLUTER DILEX-AHKA COVE BASE AND SCHLUTER RONDEC AT OUTSIDE CORNERS
WOOD STAIN			
WD-1	STAINED WOOD		TEAK TO MAHOGANY



3 CHJ1 - CMU DOOR JAMB DETAIL
3" = 1'-0"

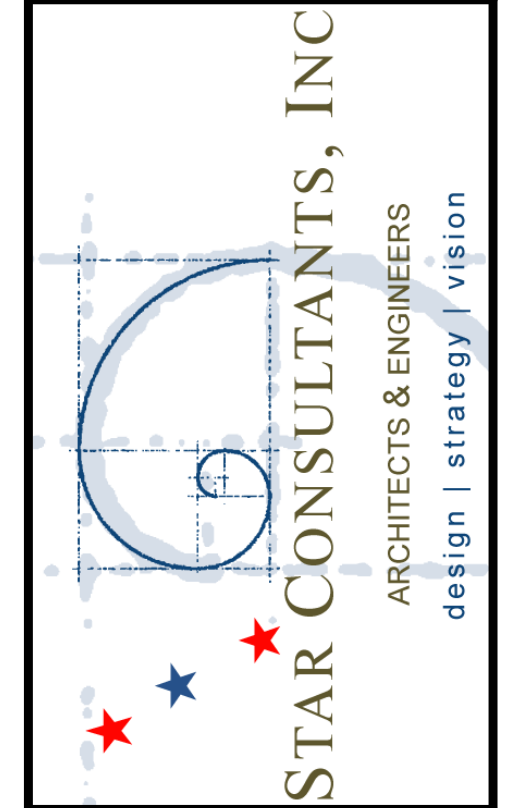
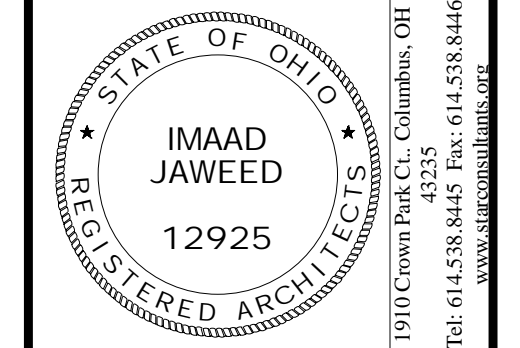


2 CHH1 - CMU DOOR HEAD DETAIL
3" = 1'-0"



1 ADS1 - DOOR SILL DETAIL
3" = 1'-0"

REVISIONS		
REV.	DATE	REMARKS
	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 SCHEDULES AND DETAILS

PJT #:	250009
DATE:	10/29/2025
DRN. BY:	DAZ
DGN. BY:	DAZ
REV. BY:	AA

SHEET
A.601

GENERAL STRUCTURAL NOTES

BUILDING CODE - 2024 OHIO BUILDING CODE (OBC-2024)
ASCE STANDARDS (ASCE/SEI 7-22), MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

CONSTRUCTION AND SAFETY

- 1. THE STRUCTURE IS DESIGNED TO BE STABLE AND SELF SUPPORTING WHEN COMPLETED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION PROCEDURES REQUIRED TO BUILD THE STRUCTURE AND TO ENSURE SAFETY DURING DEMOLITION AND CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, TEMPORARY BRACING, SHORING AND RESHORING REQUIREMENTS, CONSTRUCTION LOADS, UNDER-PINNING, ETC.
2. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OWNER PROJECT MANAGER TO MINIMIZE INTERFERENCE WITH OPERATIONS AND TO INSURE THE SAFETY OF ALL PERSONNEL.
3. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
4. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.
5. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE PREPARATION OF SHOP DRAWINGS. SHOULD ANY DISCREPANCY BE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
6. QUALITY OF CONSTRUCTION REQUIRED. PERFORMANCE LEVELS OF WORKMANSHIP, MANUFACTURING AND INDUSTRY STANDARDS. STRENGTH AND PHYSICAL REQUIREMENTS OF MATERIALS. CONFORMANCE TO CODES & REGULATIONS. GUARANTEE REQUIREMENTS AND OTHER PERTINENT INFORMATION ARE CONTAINED IN THE PROJECT MANUAL.
7. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE BETTER QUALITY AND/OR GREATER QUANTITY, STRENGTH OR SIZE INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.
8. COORDINATE WITH ALL DRAWINGS FOR PERTINENT INFORMATION RELATED TO STRUCTURAL WORK. ANY CHANGES TO THE STRUCTURAL SYSTEMS SHALL BE REDESIGNED BY A PROFESSIONAL ENGINEER AT NO COST TO THE OWNER OR A/E AND SUBMITTED TO THE A/E FOR REVIEW. SUBMITTAL SHALL BE ACKNOWLEDGED IN WRITING BEFORE BEGINNING CONSTRUCTION.
9. EQUIPMENT FRAMING, LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS TO BE BORNE BY THE APPROPRIATE CONTRACTOR.

DESIGN LOADS

- 1. SNOW LIVE LOAD (SECTION 1607): 20 PSF
2. SNOW LOAD (OHIO BUILDING CODE-2024, SECTION 3129.02): SNOW LOAD ON GROUND (Pg) - 20 PSF, SNOW EXPOSURE FACTOR (Ce) - 1.0, IMPORTANCE FACTOR (Is) - 1.0, THERMAL FACTOR (Ct) - 1.0, FLAT ROOF SNOW LOAD (Pf) - 14 PSF
3. 100-YEAR, RAIN FALL 2.75 INCH
4. WIND LOAD (OBC-2024, SECTION 1609): a. ULTIMATE DESIGN WIND SPEED = 115 MPH, b. NOMINAL WIND SPEED (Vasd) = 89 MPH, c. BUILDING OCCUPANCY CATEGORY = II, d. WIND EXPOSURE CATEGORY = C, e. INTERNAL PRESSURE COEFFICIENT, Gcpi = +/-0.18
5. EARTHQUAKE DESIGN DATA (SECTION 1613): SEISMIC LOADS a. OCCUPANCY CATEGORY = II, b. MAPPED SPECTRAL RESPONSE: Ss = 0.118; S1 = 0.061, c. SITE CLASS = D, d. SPECTRAL RESPONSE COEFFICIENTS: SDS = 0.122; SD1 = 0.098, e. SEISMIC DESIGN CATEGORY = B, f. BASIC SEISMIC FORCE RESISTING SYSTEM = ORDINARY REINFORCED MASONRY WALLS, g. DESIGN BASE SHEAR, h. SEISMIC RESPONSE COEFFICIENT, Cs = 0.042, i. RESPONSE MODIFICATION FACTOR, R = 2.5

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE METHOD

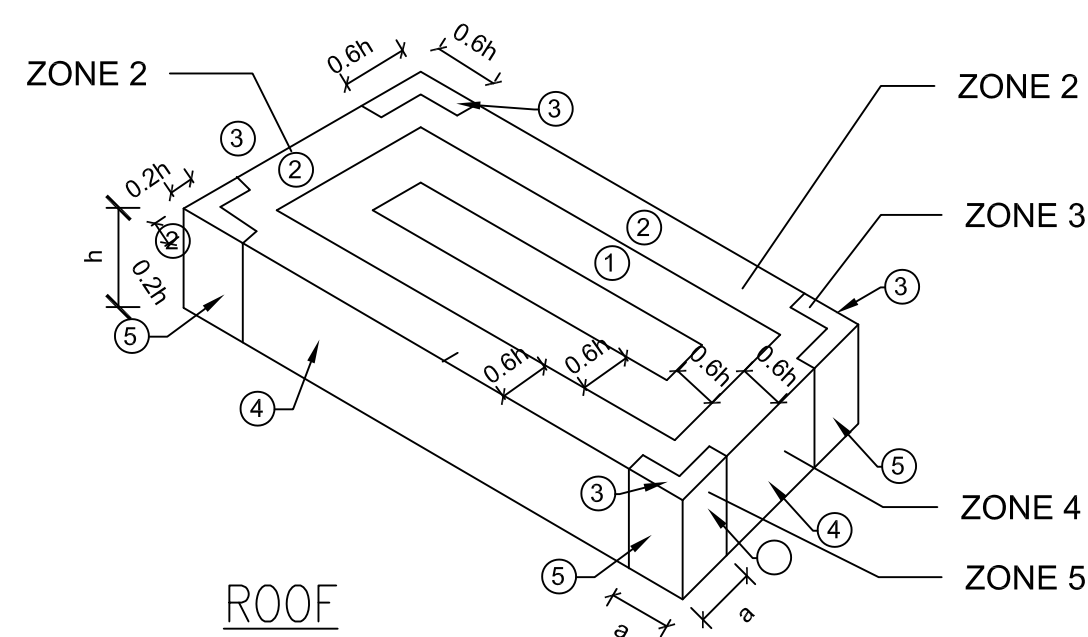


Table with columns for COMPONENT AND CLADDING TABLE, WIND PRESSURE, HEIGHT, H=24 FT, and wind pressure values for different zones and surface pressures.

- NOTES: 1. SEE ASCE 7-16 FOR ZONE DEFINITIONS. 2. ALL WIND PRESSURE ARE ULTIMATE LOADS a. = 10.5 FT

CONCRETE FOUNDATIONS

- 1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH SUB-SURFACE INVESTIGATION REPORT NO. 2301034 BY CT CONSULTANTS, INC. DATED MARCH 21, 2024.
2. STRIP FOUNDATIONS - ALLOWABLE SOIL BEARING 2.0 KSF.
3. SPREAD FOUNDATIONS - ALLOWABLE SOIL BEARING 2.0 KSF.
4. ALLOWABLE SOIL BEARING TO BE VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER AFTER THE FOUNDATION HAS BEEN EXCAVATED, PRIOR TO PLACEMENT OF CONCRETE.
5. NOTIFY THE ARCHITECT/ENGINEER OF RECORD AS SOON AS POSSIBLE OF ANY UNUSUAL SOIL CONDITIONS OR SOIL CONDITIONS IN VARIANCE WITH TEST BORING, SUCH AS UNEXPECTED SPRING OR SEEPAGE WATER, MATERIAL DIFFERING FROM TEST BORINGS, OR SOIL OF QUESTIONABLE BEARING CAPACITY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND FINAL CLEARANCE OF ANY REQUIRED NEEDLING, UNDERPINNING, SHORING, OR BRACING OF EXISTING STRUCTURES.
7. STRUCTURAL FILL SHALL BE PLACED IN 8" LIFTS COMPACTED 95% OF MODIFIED OPTIMUM DENSITY.
8. NO BACKFILLING OF FOUNDATION WALLS SHALL BE UNDERTAKEN UNTIL SUITABLE WALL BRACING. TEMPORARY OR PERMANENT, HAS BEEN PROVIDED.
9. DO NOT PLACE FILL ON FROZEN GROUND. ALL SOIL SURROUNDING AND UNDER FOUNDATIONS SHALL BE PROTECTED FROM FREEZING & FROST ACTION DURING THE COURSE OF CONSTRUCTION. SOIL WHICH HAS BEEN ALLOWED TO FREEZE SHALL BE REMOVED.
10. BOTTOM OF EXTERIOR FOOTINGS SHALL BE AT LEAST 3'-6" BELOW FINISHED GRADE.
11. EXCAVATION THROUGH EXISTING SLAB-ON-GRADE SHALL BE CONDUCTED SO AS NOT TO UNDERMINE REMAINING SLABS. UNDERMINED SLABS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

CONCRETE

- CAST-IN-PLACE
1. CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF: A. AMERICAN CONCRETE INSTITUTE CODES AND STANDARDS, INCLUDING, BUT NOT LIMITED TO, ACI 301 (AS MODIFIED IN THE PROJECT MANUAL), ACI 305.1, ACI 306, ACI 315, ACI 318 AND SP-15.
B. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS: A. 4000 PSI WITHOUT ENTRAINED AIR FOR ALL CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE. B. 4000 PSI WITH 5% ENTRAINED AIR FOR ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER. C. 3500 PSI FOR BUILDING FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60.
4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 DELIVERED IN FLAT SHEETS.
5. ALL REINFORCING DETAILS SHALL CONFORM TO ACI 315-90, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
6. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. NECESSARY TO SUPPORT REINFORCING STEEL. SUPPORT ITEMS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL. CONCRETE CURBS SHALL BE USED FOR THE SUPPORT OF REINFORCING ON GRADE.
7. CONTRACTOR SHALL REVIEW ALL DRAWINGS FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, OPENINGS, ETC. REQUIRED BY OTHER TRADES. RECOGNIZE THEIR EXACT SIZES AND LOCATIONS BEFORE PROCEEDING WITH THE WORK. ALL ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE. SECURE THE APPROVAL OF THE STRUCTURAL ENGINEER PRIOR TO PLACING OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
8. BACKFILL AGAINST WALLS SHALL NOT BE PLACED UNTIL THE FLOOR CONSTRUCTION AT THE SECOND STAGE HAS BEEN COMPLETED TO BRACE THE WALL. AT THE CONTRACTOR'S OPTION, WALLS MAY BE BRACED AND BACKFILL INSTALLED. ANY SUCH BRACING SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL THE FIRST FLOOR IS COMPLETED TO THE SATISFACTION OF THE A/E. BACKFILL AGAINST BOTH SIDES OF WALLS EQUALLY UNTIL THE LOWER ELEVATION IS ATTAINED.
9. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, THE LENGTH OF ANY HOOK, IF REQUIRED, IS NOT INCLUDED. USE STANDARD 90 DEGREE BAR HOOK U.N.O.
10. PROVIDE HORIZONTAL CONTROL/CONSTRUCTION JOINTS IN SLABS AND VERTICAL CONTROL/CONSTRUCTION JOINTS IN WALLS AS SHOWN ON THE DRAWINGS. ALL BEAMS, SPANDRELS, AND SLABS SHALL BE CAST MONOLITHICALLY, EXCEPT FOR REQUIRED CONTROL/CONSTRUCTION JOINTS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT ALTERNATE AND ADDITIONAL CONSTRUCTION JOINT LOCATIONS AND DETAILS TO THE A/E FOR APPROVAL PRIOR TO CONSTRUCTION. AT LEAST 48 HOURS SHALL ELAPSE BETWEEN CASTING OF ADJOINING UNITS. REINFORCEMENT SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS UNLESS DETAILED OTHERWISE ON THE DRAWINGS. SUBMIT ALL CONSTRUCTION JOINT LOCATIONS WITH REINFORCING STEEL SHOP DRAWINGS.
11. WHERE CONSTRUCTION JOINTS ARE REQUIRED BUT ARE NOT INDICATED ON THE DRAWINGS, THEY SHALL BE LOCATED AT MIDSPAN OF BEAMS, REINFORCING SLABS, AND WALLS, AND SHALL BE SUBJECT TO REVIEW BY THE A/E OR OWNER. UNLESS OTHERWISE NOTED OR SHOWN ON THE DRAWINGS, PROVIDE A CONTINUOUS SHEAR KEY IN SLABS AND WALLS, AND A MINIMUM OF TWO CONTINUOUS HORIZONTAL KEYS IN BEAMS AND EACH JOIST. THE MINIMUM KEY SIZE SHALL BE 1-1/2" DEEP BY 1/3 THE DEPTH OR WIDTH OF THE MEMBER. AT CONCRETE SLABS ON STEEL DECK, SUPPORTED BY STEEL BEAMS AND GIRDEBS, CONSTRUCTION JOINTS SHALL BE PLACED AT MID-SPAN OF DECK AND MID-WAY BETWEEN GIRDEBS.

- 12. FOOTINGS, WALLS: A. DOWELS IN FOOTINGS SHALL MATCH VERTICAL WALL REINFORCING UNLESS SHOWN OTHERWISE.
13. FOOTINGS, ALL CONSTRUCTION JOINTS BELOW GRADE SHALL HAVE WATERSTOPS.
14. THE HARDENED CONCRETE OF HORIZONTAL CONSTRUCTION JOINTS SHALL BE DAMPENED AND THEN THOROUGHLY COVERED WITH A COAT OF CEMENT GROUT OF SIMILAR PROPORTIONS TO THE MORTAR IN THE CONCRETE. THE FRESH CONCRETE SHALL BE PLACED BEFORE THE GROUT HAS ATTAINED ITS INITIAL SET.
15. WELDING OF REINFORCING STEEL IS NOT PERMITTED.
16. COMPLY WITH ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF SPECIAL FINISHES OR TREATMENTS TO EXPOSED CONCRETE.
17. PROVIDE 6 x 6 - W2.9 X W2.9 WELDED WIRE FABRIC AND FIBER REINFORCING IN ALL SLABS-ON-GRADE, UNLESS OTHERWISE NOTED.
18. REINFORCING BAR LAP SPLICES AND ANCHORAGE LENGTH SHALL CONFORM TO ACI REQUIREMENTS.

MASONRY CONSTRUCTION

- 1. MASONRY WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE REFERENCES AND STANDARDS LISTED BELOW, EXCEPT AS MODIFIED HEREIN, IN ADDITION TO ALL OTHER REQUIREMENTS OF THE CONTRACT DOCUMENTS AND STANDARD PRACTICES.
A. NATIONAL CONCRETE MASONRY ASSOCIATION
B. BRICK INSTITUTE OF AMERICA
C. AMERICAN CONCRETE INSTITUTE, COMMITTEE 530
2. CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C331 WITH A DRY NET WEIGHT OF NOT MORE THAN 115 PCF.
A. HOLLOW LOAD-BEARING: ASTM C-90, GRADE N-1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI, EACH UNIT, NET CROSS-SECTIONAL AREA. ALL LOAD-BEARING BLOCK UNITS SHALL BE MANUFACTURED SO THE CORDS AND WEBS LINE UP WHEN LAID IN RUNNING BOND.
B. SOLID LOAD-BEARING: PROVIDE UNITS COMPLYING WITH ASTM C-145, GRADE N-1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI, EACH UNIT, NET CROSS-SECTIONAL AREA.
C. HOLLOW NON-LOAD-BEARING: ASTM C-129 TYPE 1.
3. MORTAR FOR LOAD-BEARING WALLS, EXTERIOR WALLS, SHEAR WALLS, AND VERTICALLY REINFORCED MASONRY WALLS SHALL BE ASTM C-270 TYPE M, WITH A MINIMUM COMPRESSIVE STRENGTH OF 750 PSI IN 28 DAYS.
4. MORTAR FOR PARTITIONS AND NON-BEARING WALLS SHALL BE ASTM C-270 TYPE N, WITH A MINIMUM COMPRESSIVE STRENGTH OF 750 PSI IN 28 DAYS.
5. FACING BRICK SHALL BE QUALITY STANDARD, ASTM C-216, GRADE SW.
6. CONCRETE MASONRY UNITS SHALL BE MANUFACTURER'S STANDARD UNITS WITH NOMINAL FACE DIMENSIONS OF 16" LONG X 8" HIGH (15-5/8" X 7-5/8" ACTUAL), UNLESS OTHERWISE SHOWN.
7. PROVIDE SPECIAL SHAPES WHERE SHOWN AND WHERE REQUIRED FOR LINTELS, CORNERS, JAMBS, SASH, CONTROL JOINTS, HEADERS, BONDING, AND OTHER SPECIAL CONDITIONS.
8. REINFORCED MASONRY: WHERE VERTICAL BARS ARE TO BE GROUTED INTO CORES, THE FOLLOWING REQUIREMENTS APPLY:
A. COARSE GROUT FOR REINFORCED MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C-476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
B. PROVIDE DOWELS FROM FOOTING, SAME SIZE AND SPACING AS WALL BARS. LAP 12" MINIMUM WITH WALL BAR UNLESS NOTED OTHERWISE. EMBED INTO FOOTING 8" PLUS STANDARD 900 HOOK.
C. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICAL. DOWELS SHALL BE GROUTED INTO A CORE IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCEMENT.
D. AT SPLICES IN VERTICAL BARS, PROVIDE MECHANICAL COUPLERS OR 48 BAR DIAMETER LIA.
E. PROVIDE REBAR ALIGNMENT DEVICES AT A MAXIMUM SPACING OF 192 BAR DIAMETERS.
F. BAR REINFORCING: ASTM A615, GRADE 60.
9. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS FILLED WITH COARSE GROUT. THE FIRST CELL AT CORNERS AND END WALLS SHALL BE GROUTED AND REINFORCED WITH (1) - #4 BAR. THE FIRST CELL NEXT TO AN OPENING SHALL BE GROUTED AND REINFORCED WITH (1) - #4 BAR EXTENDING 2'-0" ABOVE THE TOP OF THE OPENING.
10. ALL MASONRY WALLS SHALL HAVE GALVANIZED HORIZONTAL JOINT REINFORCING: TRUSS TYPE, #9 GAGE SIDE AND CROSS RODS.
11. SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6".
12. WALL CONSTRUCTION UNDER MASONRY BEARING STRUCTURAL MEMBERS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
A. PROVIDE BOND BEAM AS DETAILED ON THE DRAWINGS UNDER WALL BEARING STEEL JOISTS. BOND BEAM SHALL BE FILLED WITH 3000 PSI CONCRETE. CONTRACTOR SHALL PLACE ANCHOR BOLTS OR EMBEDDED ITEMS IN COARSE GROUT AS NOTED ON DRAWINGS.
B. PROVIDE SOLID MASONRY, 32" LONG AND 24" HIGH, CENTERED UNDER EACH WALL BEARING STEEL BEAM.
C. PROVIDE CONTINUOUS SOLID MASONRY, 8" HIGH, UNDER WALLS BEARING PRECAST OR CAST-IN-PLACE CONCRETE SLABS.
13. ALL UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HEAD, BED (FACE SHELLS), WEBS, AND COLLAR JOINTS, UNLESS OTHERWISE NOTED.
14. MOISTURE RESISTANT MORTAR ADDITIVE SHALL BE PROVIDED IN ALL EXTERIOR MASONRY:
A. OMICRON MORTARPROOFING, MASTER BUILDERS
B. HYDROLOX 400, CHEM-MASTERS CORP.
C. MYDROOIDE POWER, SONNEBORN
15. DO NOT USE CALCIUM CHLORIDE OR ANY ADDITIVE THAT CONTAINS CALCIUM CHLORIDE IN THE MORTAR OR GROUT.
16. PROTECT MASONRY FROM FREEZING WHEN THE TEMPERATURE IS 40 FAHRENHEIT AND FALLING. COMPLY WITH THE "CONSTRUCTION AND PROTECTION RECOMMENDATIONS FOR COLD WEATHER MASONRY CONSTRUCTION" OF THE BRICK INSTITUTE OF AMERICA (BIA).
17. DO NOT USE FROZEN MATERIALS OR MATERIALS MIXED OR COATED WITH ICE OR FROST. FOR MASONRY WHICH IS TO BE WETTED, COMPLY WITH BIA RECOMMENDATIONS.
18. DO NOT BUILD ON FROZEN WORK. REMOVE AND REPLACE MASONRY WORK DAMAGED BY FROST OR FREEZING.
19. PROVIDE LINTELS OVER ALL OPENINGS IN MASONRY WALLS. REFER TO ARCHITECTURAL AND HVAC DRAWINGS FOR LOCATION, NUMBER AND SIZES OF OPENINGS.
20. PRECAST CONCRETE MASONRY LINTELS: f'm >= 2500 PSI AT 28 DAYS WITH REINFORCING BARS, ASTM A615, 60 KSI.
21. UNLESS NOTED OTHERWISE, IN ALL BEARING WALLS PROVIDE #4 VERTICAL BARS CENTERED IN GROUTED CELLS AT CORNERS, WITHIN 16" OF EACH SIDE OF OPENINGS, WITHIN 8" OF EACH SIDE OF CONTROL JOINTS, WITHIN 8" OF END, AND 10'-0" ON CENTER MAXIMUM.

STRUCTURAL STEEL CONSTRUCTION

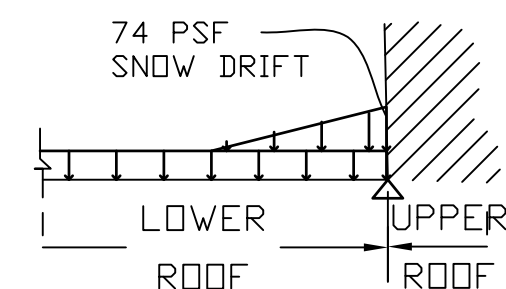
- 1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" - LATEST EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1-88.
3. STRUCTURAL STEEL:
A. ROLLED STEEL SHAPES: ASTM A992 GRADE 50.
B. STEEL PLATES, BARS, AND RODS AND ROLLED STEEL ANGLES AND CHANNELS: ASTM A36.
C. STEEL TUBING: ASTM A500, GRADE B.
D. STEEL PIPE: ASTM A53, TYPE E OR S, GRADE B.
E. ANCHOR BOLTS: ASTM A307.
4. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS - ALLOWABLE STRESS DESIGN" AS APPROVED BY THE COUNCIL ON RIVETED AND BOLTED JOINTS. USE BEARING-TYPE BOLTS WITH THREADS ALLOWED ACROSS THE SHEAR PLANE.
5. WELDING ELECTRODES SHALL BE E-70 OR BETTER. FOR WELDING SYMBOLS WITH NO LENGTH DIMENSION GIVEN, THE WELDING SHALL BE CONTINUOUS BETWEEN ABRUPT CHANGES IN DIRECTION. WELDS NOT OTHERWISE NOTED SHALL BE 1/4" IN SIZE.
6. IN GENERAL, IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT ALL SHOP CONNECTIONS BE WELDED AND ALL FIELD CONNECTIONS BE BOLTED EXCEPT WHERE NOTED OTHERWISE.
A. NON-COMPOSITE BEAM CONNECTIONS SHALL BE DESIGNED TO DEVELOP 55% OF THE TOTAL LOAD CAPACITY DERIVED FROM THE ALLOWABLE UNIFORM LOAD TABLES FOR Fy=50 KSI. IN PART 2 OF THE NINTH EDITION OF THE AISC "MANUAL OF STEEL CONSTRUCTION", UNLESS THE REACTION 'R' IS SHOWN ON THE DRAWINGS.
B. COMPOSITE BEAM CONNECTIONS SHALL BE DESIGNED TO DEVELOP THE REACTION 'R' SHOWN ON THE DRAWINGS.
C. MOMENT CONNECTIONS INDICATED ON THE DRAWINGS SHALL BE DESIGNED FOR THE MOMENTS NOTED, IF NO DESIGN MOMENT IS INDICATED, THEN THE FULL CAPACITY OF THE SECTION MUST BE DEVELOPED.
7. VERIFY THE EXACT SIZE AND LOCATION OF ALL OPENINGS PRIOR TO FABRICATION OF STEEL FRAMING MEMBERS.
8. PROVIDE BEARING PLATES UNDER STEEL BEAMS OF ADEQUATE SIZE TO KEEP MASONRY BEARING PRESSURE UNDER 250 PSI. STEEL BEAMS AND GIRDEBS SHALL BEAR A MINIMUM OF 8" ON MASONRY, UNLESS OTHERWISE NOTED.
9. PROVIDE A NON-METALLIC, NON-SHRINK GROUT UNDER ALL COLUMN BASE PLATES AND BEAM BEARINGS.
10. EMBEDMENT LENGTH OF HLTI EXPANSION BOLTS, OR APPROVED SUBSTITUTION, INTO SOLID MASONRY OR CONCRETE SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
1/2" DIAMETER BOLTS - 3-1/2" EMBEDMENT
3/4" DIAMETER BOLTS - 5" EMBEDMENT
11. TYPICAL BEAM SHEAR CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL BE DETAILED WITH STANDARD DOUBLE ANGLE TYPE CONNECTIONS, USING A325 BOLTS.

STRUCTURAL STEEL MASONRY LINTELS

- 1. ALL LINTELS EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED.
2. ALL BEAM LINTELS SHALL HAVE 16" OF SOLID MASONRY BELOW BEARING END, UNLESS NOTED OTHERWISE.
3. ALL ANGLE LINTELS SHALL HAVE 8" OF SOLID MASONRY BELOW BEARING END, UNLESS NOTED OTHERWISE.
4. BOTTOM PLATES ON BEAMS SHALL BE 1/2" LESS IN WIDTH THAN THE WALL THICKNESS AND EXTEND FOR THE FULL LENGTH OF BEAM INCLUDING THE BEARING ENDS UNLESS NOTED OTHERWISE.
5. BOTTOM PLATES SHALL BE WELDED TO BEAM WITH A 1/4" FILLET WELD 3" LONG ON BOTH SIDES AT 9" ON CENTER, STAGGER PLACEMENT OF WELDS FROM SIDE TO SIDE.

STEEL DECK

- 1. STEEL DECK FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST STEEL DECK INSTITUTE SPECIFICATIONS.
2. DECK SHALL INCLUDE ANY MISCELLANEOUS CLOSURE PIECES, METAL SCREEDS, ROOF CURBS, DRAIN SUMP PANS, REINFORCING AROUND OPENINGS, ETC., REQUIRED TO MAKE A COMPLETE JOB. MISCELLANEOUS ITEMS SHALL BE GALVANIZED.
3. ROOF DECK SHALL BE GALVANIZED; UNLESS NOTED OTHERWISE.
4. DECK SHALL BE PUDDLE WELDED (5/8" DIAMETER MINIMUM) TO E SUPPORTS AT 12" CENTERS MAXIMUM WITH THE FIRST AND LAST RIBS OF EACH SHEET WELDED TO THE SUPPORTS. SIDE LAPS SHALL BE SCREWED WITH #14 SELF-TAPPING SCREWS AT 36" O.C. THE HEADED STUDS IN COMPOSITE CONSTRUCTION MAY BE SUBSTITUTED FOR WELDS.
5. DECK SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
ROOF DECK 1 1/2" DEEPX22 GA., WIDE RIB.
I = 0.155 IN^4 / FT
S = 0.186 IN^3 / FT



WOOD

- 1. WOOD FRAMING SHALL BE OF THE FOLLOWING MINIMUM GRADE AND SPECIES, U.N.O.
2. BUILT-UP STUD COLUMNS AND WALL PLATES SHALL BE No.2 SOUTHERN YELLOW PINE (SYP).
3. DIMENSIONAL LUMBER RAFTERS SHALL BE No.2 SOUTHERN YELLOW PINE.
4. OTHER MISCELLANEOUS WOOD FRAMING - No.1/No.2 SPF
5. ALL NAILING NOT OTHERWISE INDICATED SHALL BE IN ACCORDANCE WITH THE "FASTENING SCHEDULE" PER OBC TABLE 2304.10.1
6. PREFABRICATED METAL JOIST HANGERS, HURRICANE CLIPS, HOLDOWN ANCHORS AND OTHER ACCESSORIES SHALL BE AS MANUFACTURED BY "SIMPSON STRONG-TIE COMPANY". INSTALL ALL ACCESSORIES PER THE MANUFACTURER'S REQUIREMENTS. CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE SPECIFIED WITH "Z-MAX" GALVANIZATION.
7. ALL WOOD SHEATHING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN PLYWOOD ASSOCIATION (APA) SPECIFICATIONS, AND SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF VOLUNTARY PRODUCT STANDARDS PSl, PSl2, OR APA PRP-108 PERFORMANCE STANDARDS.

PRE-ENGINEERED WOOD TRUSSES

- 1. WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE OHIO BUILDING CODE (2017), ASCE "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", ANSI/TPI 7-10 1-2014 "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSSES", AND THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
2. WOOD TRUSSES SHALL BE INSTALLED IN ACCORDANCE WITH THE TRUSS MANUFACTURER'S REQUIREMENTS AND THE GUIDELINES SET FORTH IN THE LATEST WTC/PTI JOINT PUBLICATION OF BC3S "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES" AS A MINIMUM REQUIREMENT. THE TRUSS SUPPLIER SHALL HAND DELIVER A COPY OF THIS DOCUMENT TO THE TRUSS INSTALLER AT THE SITE BEFORE TRUSSES ARE ERECTED.
3. WOOD TRUSSES SHALL BE DESIGNED BY THE TRUSS MFR. TO SUPPORT THE FOLLOWING LOADS:
a. TOP CHORD LIVE LOAD: 25 PSF (SNOW LOAD DURATION);
b. SNEE PLAN FOR SNOW DRIFT LOADS;
c. CHECK EAVES AND OVERHANGS FOR 2'pf PER ASCE 7 (Section 7.4.5) ;
d. TOP CHORD DEAD LOAD: 15 PSF.
e. ADD ADDITIONAL 4 PSF DEAD LOAD ON TRUSSES BELOW BUILT-UP FRAMING OR VALLEY SET AREAS.
f. BOTTOM CHORD LIVE LOAD: USE MINIMUM PER TRUSS MFR.
g. BOTTOM CHORD DEAD LOAD: 10 PSF
h. SPRINKLER LOCATIONS, IF APPLICABLE, TO BE PROVIDED BY G.C. PRIOR TO TRUSS DESIGN
i. REFER TO PLAN FOR SPECIAL LOADING CONDITIONS

PRECAST CONCRETE:

- 1. PRECAST CONCRETE WORK SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE AND THE PRESTRESSED CONCRETE INSTITUTE CODES AND STANDARDS LISTED IN THE PROJECT MANUAL, EXCEPT AS MODIFIED THEREIN.
2. ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE IN 28 DAYS SHALL BE 5000 PSI.
3. MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE AT TIME OF FORCE TRANSFER SHALL BE 4000 PSI.
4. REINFORCING BARS: A615 GRADE 60 PSI YIELD STRENGTH, EPOXY COATED.
5. PRESTRESSING WIRE SHALL CONFORM TO ASTM A-421-65, TYPE BA. "SPECIFICATIONS FOR UNCOATED STRESS RELIEVED WIRE FOR PRESTRESSED CONCRETE". PRESTRESSING STRAND SHALL CONFORM TO ASTM A-416-68, GRADE 270, "SPECIFICATIONS FOR UNCOATED STRESS RELIEVED STRAND FOR PRESTRESSED CONCRETE".
6. PRECAST MEMBERS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT SUPERIMPOSED LOADS AS GIVEN IN THE NOTES PLUS THE DEAD LOAD OF PRECAST.
7. PRECAST MANUFACTURER SHALL COORDINATE SIZE AND LOCATION OF ALL OPENINGS IN PRECAST MEMBERS WITH ARCHITECTURAL, ELECTRICAL, PLUMBING AND MECHANICAL DRAWINGS.
8. ALL JOINTS OF THE PRECAST CEILING UNITS SHALL BE JOINED TOGETHER BY WELDING OR GROUTING CONTINUOUS SHEAR KEYS.

COLD-FORMED LIGHT GAGE STEEL FRAMING

- 1. DETAILING FABRICATION OF ALL COLD FORMED STRUCTURAL MEMBERS SHALL CONFORM TO THE AISI SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION.
2. STRUCTURAL STUDS, JOISTS, BRIDGING AND ACCESSORIES SHALL HAVE A MINIMUM YIELD STRENGTH OF 50,000 PSI FOR 16 GAGE AND THICKER MATERIALS, AND 33,000 PSI FOR MATERIALS THINNER THAN 16 GAGE.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL DESIGN AND PERFORMANCE OF ALL COLD FORM LIGHT GAGE STEEL FRAMING. ALL SIZES, GAGES AND DESIGN REQUIREMENTS SHOWN ON THE DRAWINGS ARE TO BE CONSIDERED MINIMUM REQUIREMENTS AND NOT FINAL REQUIREMENTS. PRIOR TO FABRICATION OF FRAMING, THE CONTRACTOR SHALL SUBMIT FABRICATION AND ERECTION DRAWINGS TO THE A/E FOR APPROVAL. COMPLETE CALCULATIONS SHALL BE SUBMITTED WITH THE FABRICATION DRAWINGS FOR ALL METAL STUD FRAMING. THE CALCULATIONS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN OHIO.
4. HANDLING AND LIFTING OF PREFABRICATED PANELS SHALL BE DONE IN SUCH A MANNER AS TO AVOID CAUSE DISTORTION IN ANY MEMBER. TRACKS SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO THE FLANGES OR WEBS OF BOTH UPPER AND LOWER TRACKS. JACK STUDS OR CRIPPLES SHALL BE INSTALLED BELOW WINDOW SILLS, AND ABOVE WINDOW AND DOOR HEADS, AT FREE STANDING STAIR RAILS, AND ELSEWHERE TO FURNISH SUPPORT, AND SHALL BE SECURELY ATTACHED TO SUPPORTING MEMBERS.
5. TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED. WALL STUD BRIDGING SHALL BE INSTALLED IN A MANNER AS TO PREVENT ROTATION AND ALSO IN A MANNER TO PROVIDE RESISTANCE TO BOTH MINOR AXIS BENDING AND ROTATION. BRIDGING ROWS SHALL BE EQUALLY SPACED T 4'-0" O.C. MAXIMUM UNLESS APPROVED OTHERWISE.
6. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL LIGHT GAGE FRAMING LOCATIONS AND REQUIREMENTS. COORDINATE LOCATIONS AND DESIGN FOR ALL WALL HUNG EQUIPMENT.
7. PROVIDE CONNECTIONS, BRACES, BRIDGING AND RUNNER TRACKS (MIN. 14 GAGE, BUT NOT LESS THAN GAGE OF SUPPORTED STUD) TO DEVELOP THE FULL CAPACITY OF THE MEMBERS, PROVIDE CLIPS, CONNECTIONS, STRAPPING FOR TEMPORARY LATERAL BRACING AND ALL ITEMS NECESSARY FOR COMPLETE INSTALLATION.
8. PROVIDE AND COORDINATE VERTICAL SLIP CONNECTION TO STRUCTURAL STEEL MEMBERS WHERE REQUIRED.
9. WINDOW AND DOOR HEADS SHALL BE FRAMED WITH JOIST SECTIONS SUFFICIENT TO CARRY THE WEIGHT OF THE WALL ABOVE AND TRANSFER WINDOW AND WALL LATERAL FORCES TO THE JAMBS. JAMB SECTIONS SHALL CONSIST OF HEAVY GAUGE STUDS, MULTIPLE STUDS, OR BOTH AS REQUIRED TO PROVIDE LATERAL SUPPORT FOR WINDOW AND DOOR OPENINGS.

STRUCTURAL ABBREVIATIONS

- A.B. - ANCHOR BOLT
ADJ. - ADJUSTABLE
ALT. - ALTERNATE
ADDL. - ADDITIONAL
A.F.F. - ABOVE FINISH FLOOR
ARCH. - ARCHITECT OR ARCHITECTURAL
@ - AT
& - AND
BLDG. - BUILDING
BM. - BEAM
BOT. - BOTTOM
BSMT. - BASEMENT
B.P.L. - BASE PLATE
BRG. - BEARING
CANT. - CANTILEVER
C/C - CENTER TO CENTER
C.J. - CONTROL JOINT
C.L. - CENTERLINE
C.L.R. - CLEAR
C.O. - COLUMN
CONJ. - CONSTRUCTION JOINT
CTR. - CENTER
CONC. - CONCRETE
CONT. - CONTINUOUS
CMU - CONCRETE MASONRY UNIT
DEFL. - DEFLECTION
DEPR. - DEPRESSION
DET. - DETAIL
DIA. - DIAMETER
DIM. - DIMENSION
D.J. - DOUBLE JOIST
D.W.L. - DRAWING
D.W.L. - DOWEL
EA. - EACH
E.E. - EACH END
E.F. - EACH FACE
E.J. - EXPANSION JOINT
EL. - ELEVATION
ELEV. - ELEVATOR
E-W. - EAST-WEST
E-W. - EACH WAY
EQUIP. - EQUIPMENT
EX. - EXISTING
EXT. - EXTERIOR
FDN. - FOUNDATION
FIN. - FINISH
F.L. - FULL LENGTH
F.L.R. - FLOOR
F.S. - FOOTING
GA. - GAGE
GR. - GRADE
GRD. - GROUND
HORZ. - HORIZONTAL
HDR. - HEADER
INT. - INTERIOR
JST. - JOIST
JT. - JOINT
K. - KIP (1000 LBS.)
LLH - LONG LEG HORIZONTAL
LLV - LONG LEG VERTICAL
LONG. - LONGITUDINAL
MANUF. - MANUFACTURER
MAS. - MASONRY
MAX. - MAXIMUM
MIN. - MINIMUM
MK. - MARK
N-S - NORTH-SOUTH
N-S - NEAR SIDE
N-T - NOT TO SCALE
OPG. - OPENING
OPP. - OPPOSITE
O/C - ON CENTER
PL. - PLATE
PSF - POUNDS PER SQUARE FOOT
R. - RISER
R/C - REINFORCED CONCRETE
R/INF. - REINFORCED
REQD. - REQUIRED
SCHED. - SCHEDULE
SCT. - SECTION
SHT. - SHEET
S.J. - STEEL JOIST
SL - SLOPED
SPA. - SPACES OR SPACING
SPRD. - SPREAD
S.S. - SOLID SLAB
STD. - STANDARD
STR. - STEEL
SUP. - STRUCTURE
SUPP. - SUPPORT
SYM. - SYMMETRICAL
T. - TOP
T.&B. - TOP & BOTTOM
T/CONC. - TOP OF CONCRETE
T/STL. - TOP OF STEEL
TYP. - TYPICAL
U.N.O. - UNLESS NOTED OTHERWISE
VERT. - VERTICAL
W/ - WITH
W/O - WITHOUT
W.W.F. - WELDED WIRE FABRIC

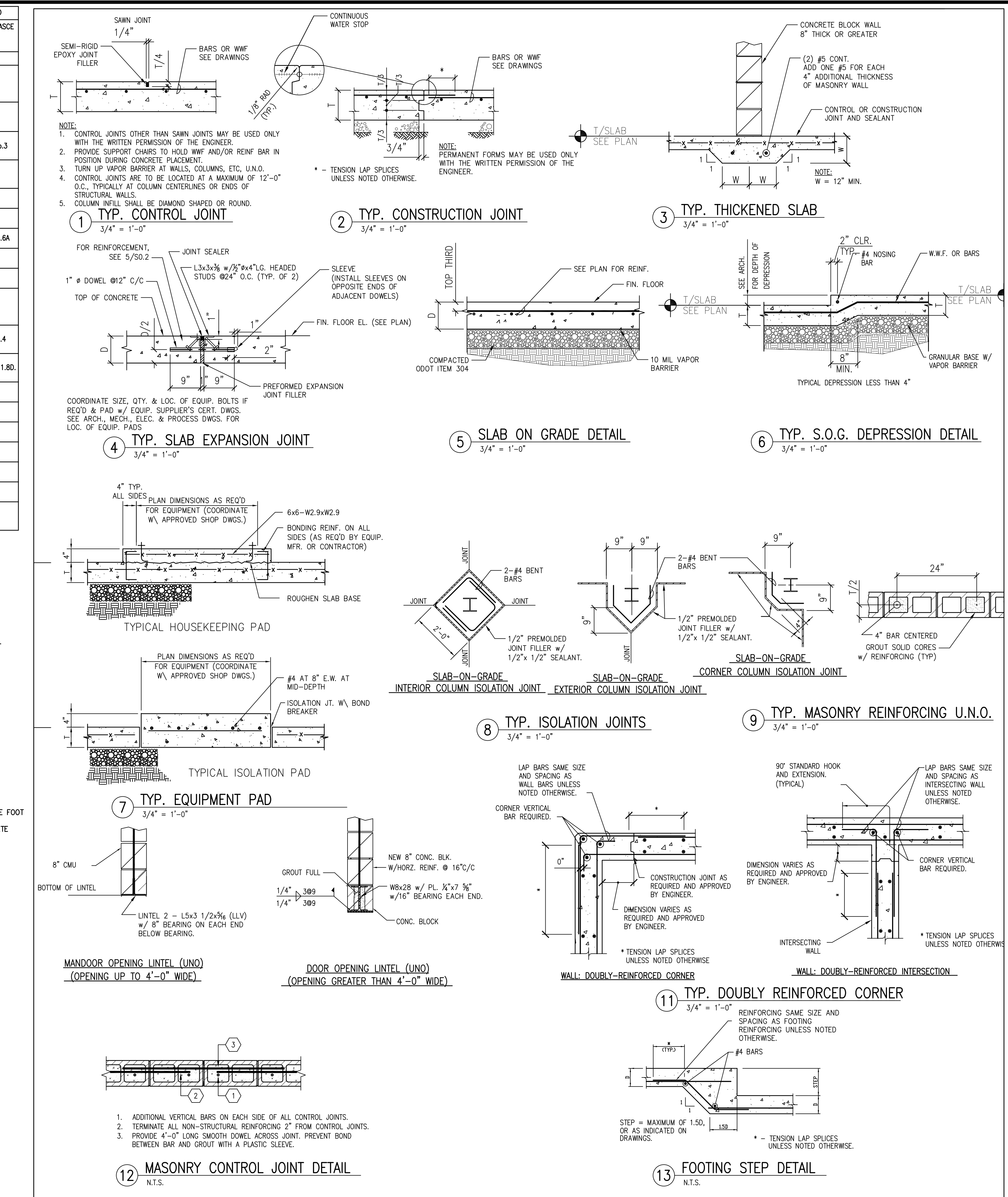
REVISIONS table with columns for REV#, DATE, and REVISED. Includes logos for STAR CONSULTANTS, INC. ARCHITECTS & ENGINEERS and STATE OF OHIO REGISTERED PROFESSIONAL ENGINEER.

OHIO DEPARTMENT OF TRANSPORTATION logo and project information: FACD08 RESTROOMS AT PREBLE TRUCK PARKING, I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY. Includes PJT #, DATE, and drawing title SO.1.

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
INSPECTION OF FABRICATOR(S):		
1. APPLICABLE ELEMENT (FABRICATOR CERTIFICATION REQUIREMENTS):	PERIODIC	
STEEL CONSTRUCTION:		
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS, HIGH-STRENGTH BOLTING:	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC ASD SEC. A3.4; AISC LRFD SEC. A3.3
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	
2. INSPECTION OF BEARING-TYPE CONNECTIONS	PERIODIC	AISC LRFD SEC. M2.5
MASONRY:		
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	PERIODIC	ART. 1.5
2. VERIFICATION OF f_m AND f'_m PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	PERIODIC	ART. 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF CONSOLIDATING GROUT.	CONT.	ART. 1.5.1.b.3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. PROPORTIONS OF SITE-PREPARED MORTAR.	PERIODIC	ART. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC	ART. 3.3B
C. LOCATION OF REINFORCEMENT CONNECTORS	PERIODIC	ART. 3.4, 3.6A
5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:		
A. SIZE OF STRUCTURAL ELEMENTS	PERIODIC	ART. 3.3F
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	PERIODIC	SEC. 1.2.2(e), 1.16.1
C. SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, AND ANCHORAGES.	PERIODIC	SEC. 1.15 ART. 2.4, 3.4
D. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER OR HOT WEATHER	PERIODIC	ART. 1.8C, 1.8D.
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. GROUT SPACE IS CLEAN	PERIODIC	ART. 3.2D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS.	PERIODIC	SEC. 1.13 ART. 3.4
C. PROPORTIONS OF SITE-PREPARED GROUT	PERIODIC	ART. 2.6B
D. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC	ART. 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED ENSURE COMPLIANCE	CONT.	ART. 3.5
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS OR PRISMS SHALL BE OBSERVED	PERIODIC	ART. 1.4
CONCRETE (NOT APPLICABLE TO ISOLATED SPREAD FOOTINGS OR NON-STRUCTURAL SLABS ON GRADE):		
1. INSPECTION OF REINFORCING STEEL, SIZE AND PLACEMENT	PERIODIC	ACI 318: 3.5,7.1-7.7
2. INSPECTION OF REINFORCING STEEL WELDING:		
A. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	PERIODIC	AWS D1.4; ACI 318: 3.5.2
B. SHEAR REINFORCEMENT	CONT.	
C. OTHER REINFORCING STEEL	PERIODIC	
3. VERIFYING USE OF REQUIRED DESIGN MIX	PERIODIC	ACI 318: Ch.4,5.2-5.4
4. SAMPLING FRESH CONCRETE AND PERFORMING SLUMP, AIR CONTENT, AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS.	CONT.	ASTM C 172; ASTM C 31; ACI 318: 5.6, 5.8
5. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONT.	ACI 318: 5.9, 5.10
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	PERIODIC	ACI 318: 5.11-5.13
SOILS:		
1. VERIFY MATERIAL BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	GEOTECHNICAL ENGINEERING REPORT
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	PERIODIC	
4. VERIFY USE OF PROPER MATERIAL, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONT.	
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
INSPECTION OF FABRICATOR(S):		
1. APPLICABLE ELEMENT (FABRICATOR CERTIFICATION REQUIREMENTS):	PERIODIC	
STEEL CONSTRUCTION:		
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS, HIGH-STRENGTH BOLTING:	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC ASD SEC. A3.4; AISC LRFD SEC. A3.3
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	
2. INSPECTION OF BEARING-TYPE CONNECTIONS	PERIODIC	AISC LRFD SEC. M2.5
MASONRY:		
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	PERIODIC	ART. 1.5
2. VERIFICATION OF f_m AND f'_m PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	PERIODIC	ART. 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF CONSOLIDATING GROUT.	CONT.	ART. 1.5.1.b.3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. PROPORTIONS OF SITE-PREPARED MORTAR.	PERIODIC	ART. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC	ART. 3.3B
C. LOCATION OF REINFORCEMENT CONNECTORS	PERIODIC	ART. 3.4, 3.6A
5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:		
A. SIZE OF STRUCTURAL ELEMENTS	PERIODIC	ART. 3.3F
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	PERIODIC	SEC. 1.2.2(e), 1.16.1
C. SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, AND ANCHORAGES.	PERIODIC	SEC. 1.15 ART. 2.4, 3.4
D. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER OR HOT WEATHER	PERIODIC	ART. 1.8C, 1.8D.
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. GROUT SPACE IS CLEAN	PERIODIC	ART. 3.2D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS.	PERIODIC	SEC. 1.13 ART. 3.4
C. PROPORTIONS OF SITE-PREPARED GROUT	PERIODIC	ART. 2.6B
D. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC	ART. 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED ENSURE COMPLIANCE	CONT.	ART. 3.5
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS OR PRISMS SHALL BE OBSERVED	PERIODIC	ART. 1.4
CONCRETE (NOT APPLICABLE TO ISOLATED SPREAD FOOTINGS OR NON-STRUCTURAL SLABS ON GRADE):		
1. INSPECTION OF REINFORCING STEEL, SIZE AND PLACEMENT	PERIODIC	ACI 318: 3.5,7.1-7.7
2. INSPECTION OF REINFORCING STEEL WELDING:		
A. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	PERIODIC	AWS D1.4; ACI 318: 3.5.2
B. SHEAR REINFORCEMENT	CONT.	
C. OTHER REINFORCING STEEL	PERIODIC	
3. VERIFYING USE OF REQUIRED DESIGN MIX	PERIODIC	ACI 318: Ch.4,5.2-5.4
4. SAMPLING FRESH CONCRETE AND PERFORMING SLUMP, AIR CONTENT, AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS.	CONT.	ASTM C 172; ASTM C 31; ACI 318: 5.6, 5.8
5. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONT.	ACI 318: 5.9, 5.10
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	PERIODIC	ACI 318: 5.11-5.13
SOILS:		
1. VERIFY MATERIAL BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	GEOTECHNICAL ENGINEERING REPORT
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	PERIODIC	
4. VERIFY USE OF PROPER MATERIAL, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONT.	
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
INSPECTION OF FABRICATOR(S):		
1. APPLICABLE ELEMENT (FABRICATOR CERTIFICATION REQUIREMENTS):	PERIODIC	
STEEL CONSTRUCTION:		
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS, HIGH-STRENGTH BOLTING:	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC ASD SEC. A3.4; AISC LRFD SEC. A3.3
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	
2. INSPECTION OF BEARING-TYPE CONNECTIONS	PERIODIC	AISC LRFD SEC. M2.5
MASONRY:		
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	PERIODIC	ART. 1.5
2. VERIFICATION OF f_m AND f'_m PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	PERIODIC	ART. 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF CONSOLIDATING GROUT.	CONT.	ART. 1.5.1.b.3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. PROPORTIONS OF SITE-PREPARED MORTAR.	PERIODIC	ART. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC	ART. 3.3B
C. LOCATION OF REINFORCEMENT CONNECTORS	PERIODIC	ART. 3.4, 3.6A
5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:		
A. SIZE OF STRUCTURAL ELEMENTS	PERIODIC	ART. 3.3F
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	PERIODIC	SEC. 1.2.2(e), 1.16.1
C. SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, AND ANCHORAGES.	PERIODIC	SEC. 1.15 ART. 2.4, 3.4
D. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER OR HOT WEATHER	PERIODIC	ART. 1.8C, 1.8D.
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. GROUT SPACE IS CLEAN	PERIODIC	ART. 3.2D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS.	PERIODIC	SEC. 1.13 ART. 3.4
C. PROPORTIONS OF SITE-PREPARED GROUT	PERIODIC	ART. 2.6B
D. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC	ART. 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED ENSURE COMPLIANCE	CONT.	ART. 3.5
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS OR PRISMS SHALL BE OBSERVED	PERIODIC	ART. 1.4
CONCRETE (NOT APPLICABLE TO ISOLATED SPREAD FOOTINGS OR NON-STRUCTURAL SLABS ON GRADE):		
1. INSPECTION OF REINFORCING STEEL, SIZE AND PLACEMENT	PERIODIC	ACI 318: 3.5,7.1-7.7
2. INSPECTION OF REINFORCING STEEL WELDING:		
A. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	PERIODIC	AWS D1.4; ACI 318: 3.5.2
B. SHEAR REINFORCEMENT	CONT.	
C. OTHER REINFORCING STEEL	PERIODIC	
3. VERIFYING USE OF REQUIRED DESIGN MIX	PERIODIC	ACI 318: Ch.4,5.2-5.4
4. SAMPLING FRESH CONCRETE AND PERFORMING SLUMP, AIR CONTENT, AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS.	CONT.	ASTM C 172; ASTM C 31; ACI 318: 5.6, 5.8
5. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONT.	ACI 318: 5.9, 5.10
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	PERIODIC	ACI 318: 5.11-5.13
SOILS:		
1. VERIFY MATERIAL BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	GEOTECHNICAL ENGINEERING REPORT
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	PERIODIC	
4. VERIFY USE OF PROPER MATERIAL, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONT.	
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	



WIND LOAD DIAGRAMS FOR BLDG, SEE SPEC SECTION 07 54 23

REVISIONS	REMARKS
REV# 1	DATE 8/14/25
REV# 2	DATE 02/04/26

STATE OF OHIO
REGISTERED PROFESSIONAL ENGINEER
ALI ALGHOTHANI
E-57345

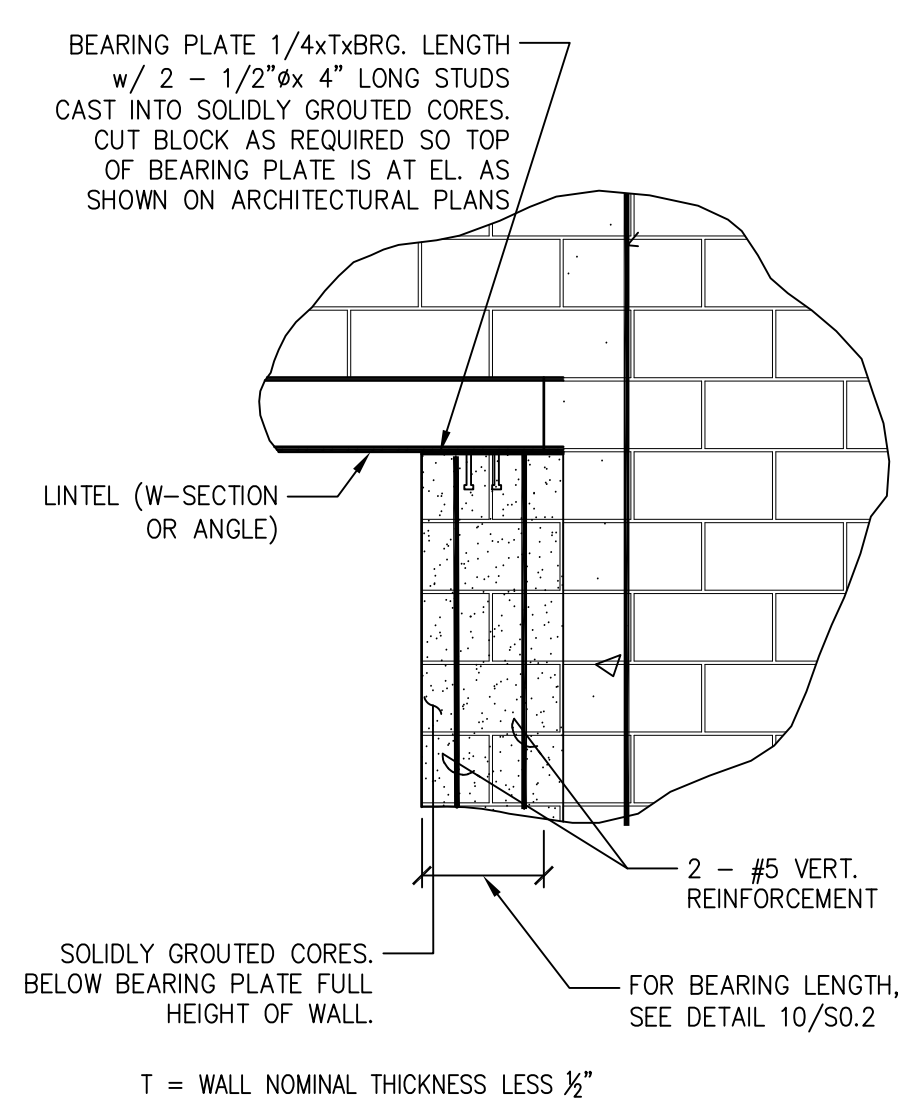
STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

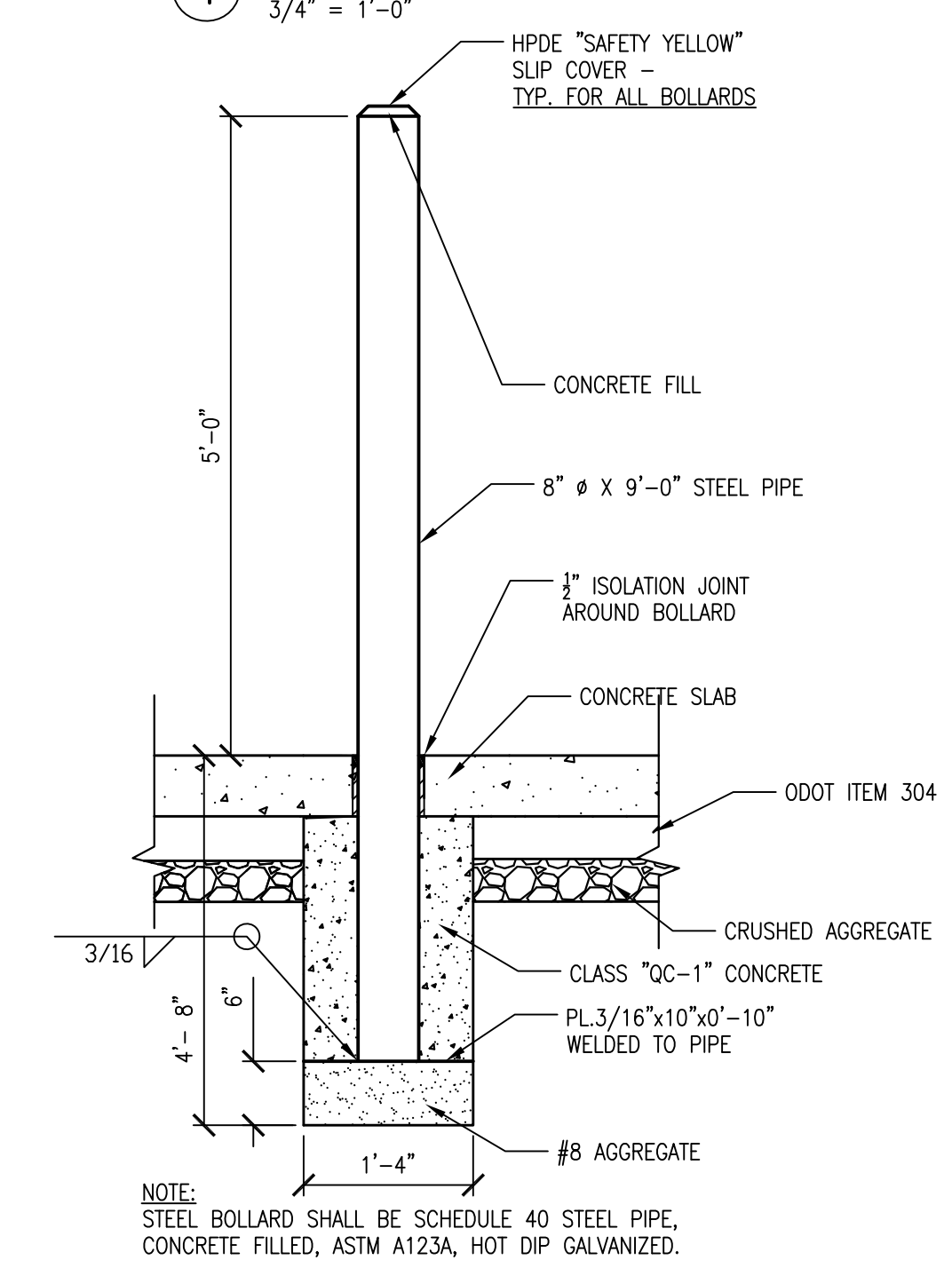
GENERAL NOTES & TYPICAL DETAILS

PJT #: 25009
DATE: 10/01/2025
DRN. BY: AA
DGN. BY: AA
REV. BY: AMA

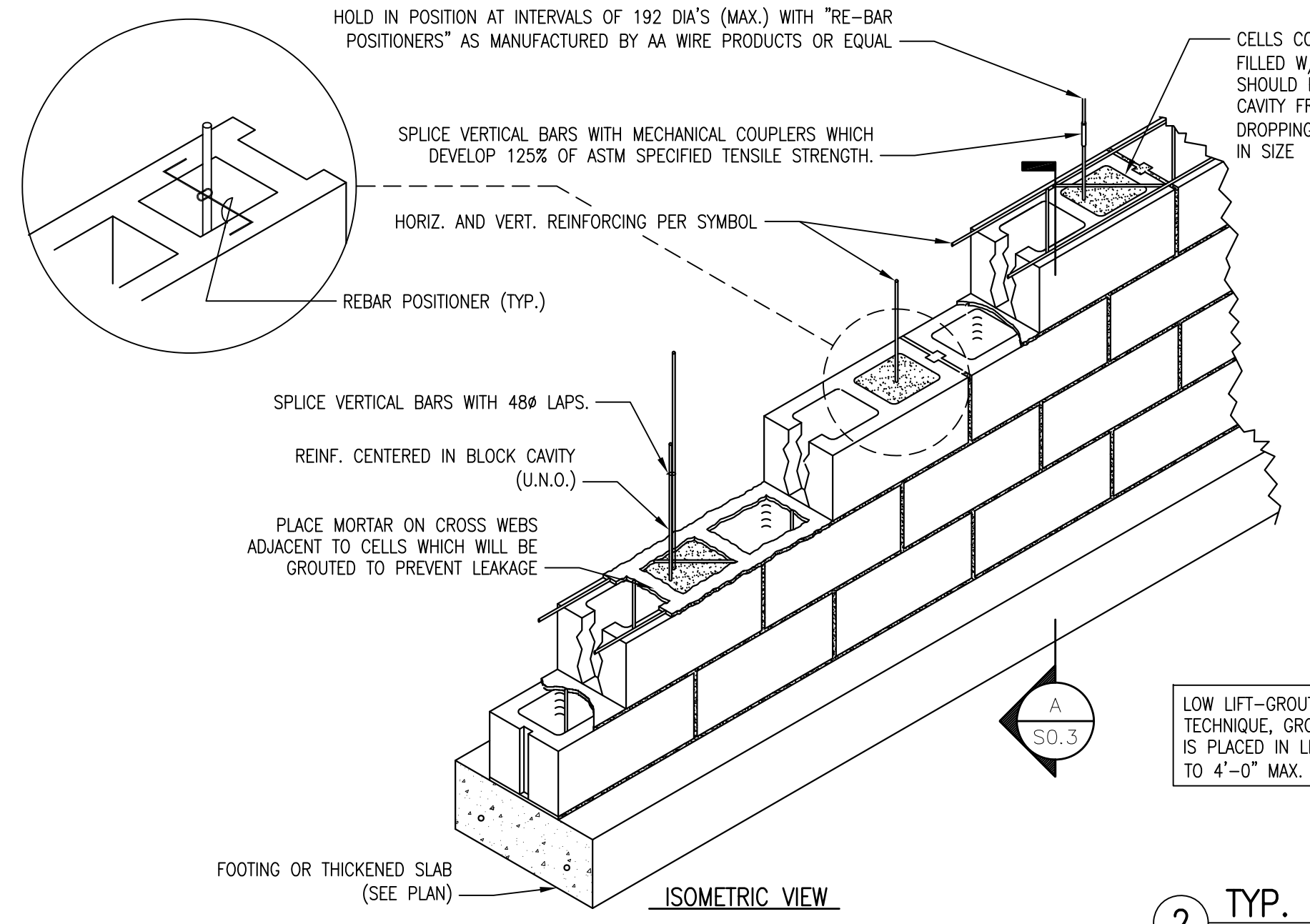
SHEET
S0.2



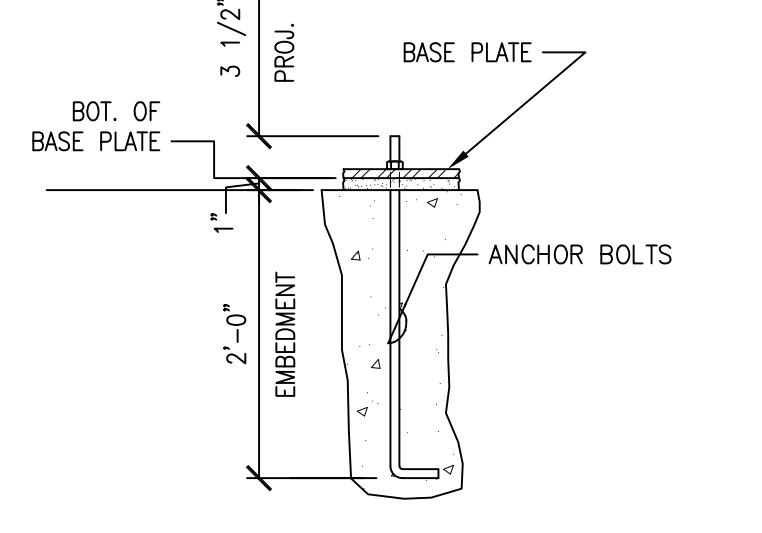
1 TYP. LINTEL BEARING
3/4" = 1'-0"



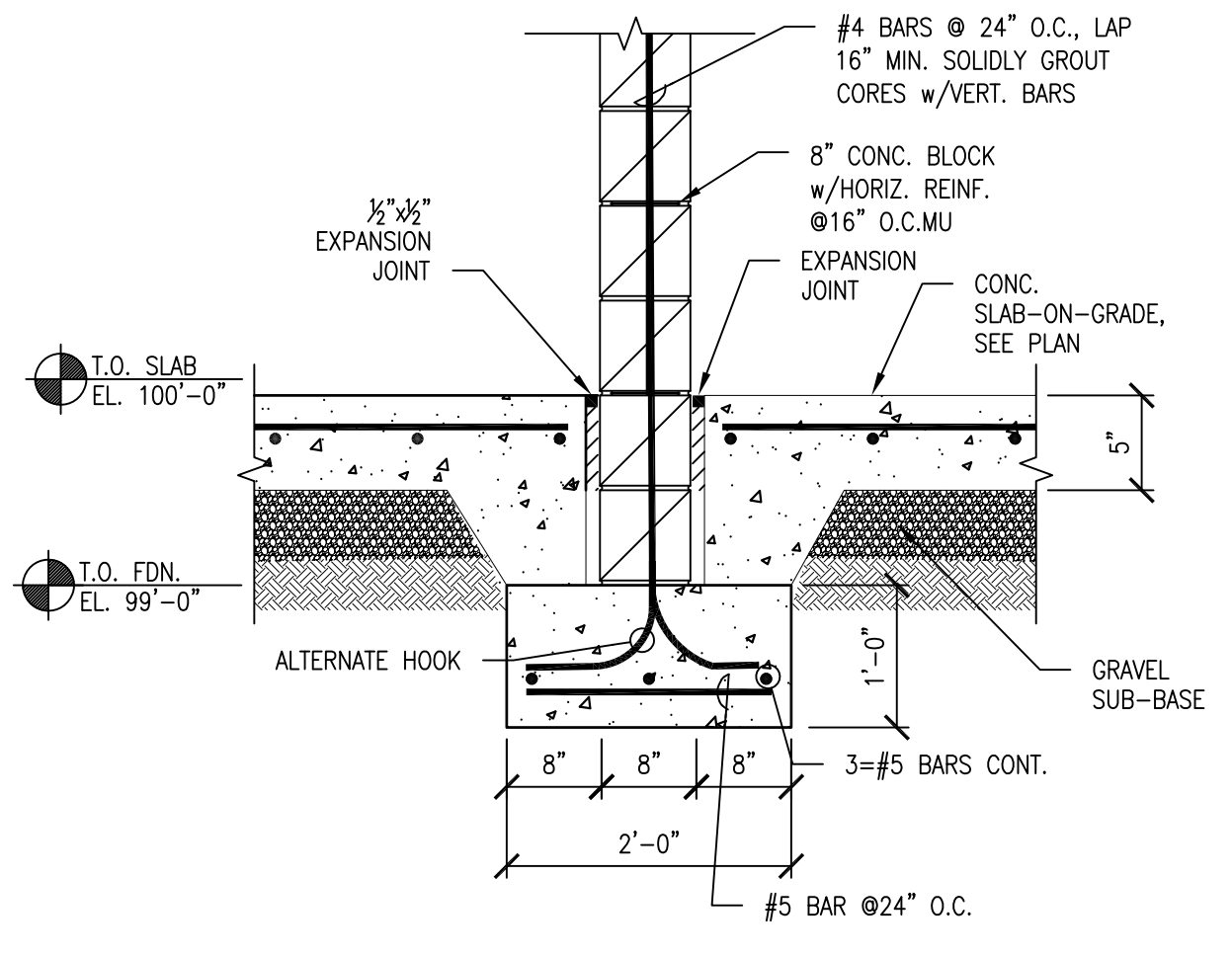
4 BOLLARD DETAIL
3/4" = 1'-0"



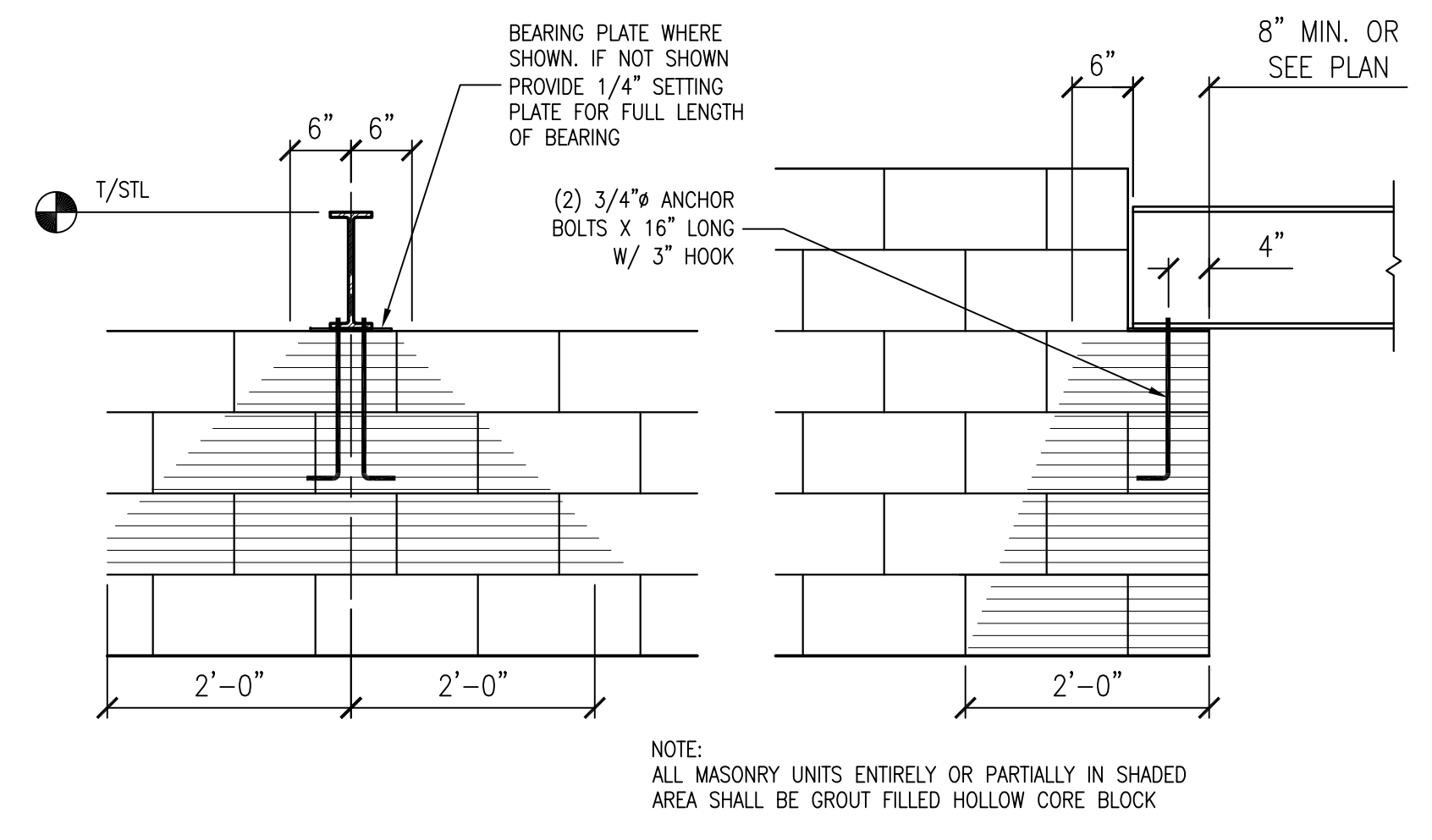
2 TYP. MASONRY CONSTRUCTION
3/4" = 1'-0"



5 TYP. ANCHOR BOLT DETAIL
3/4" = 1'-0"

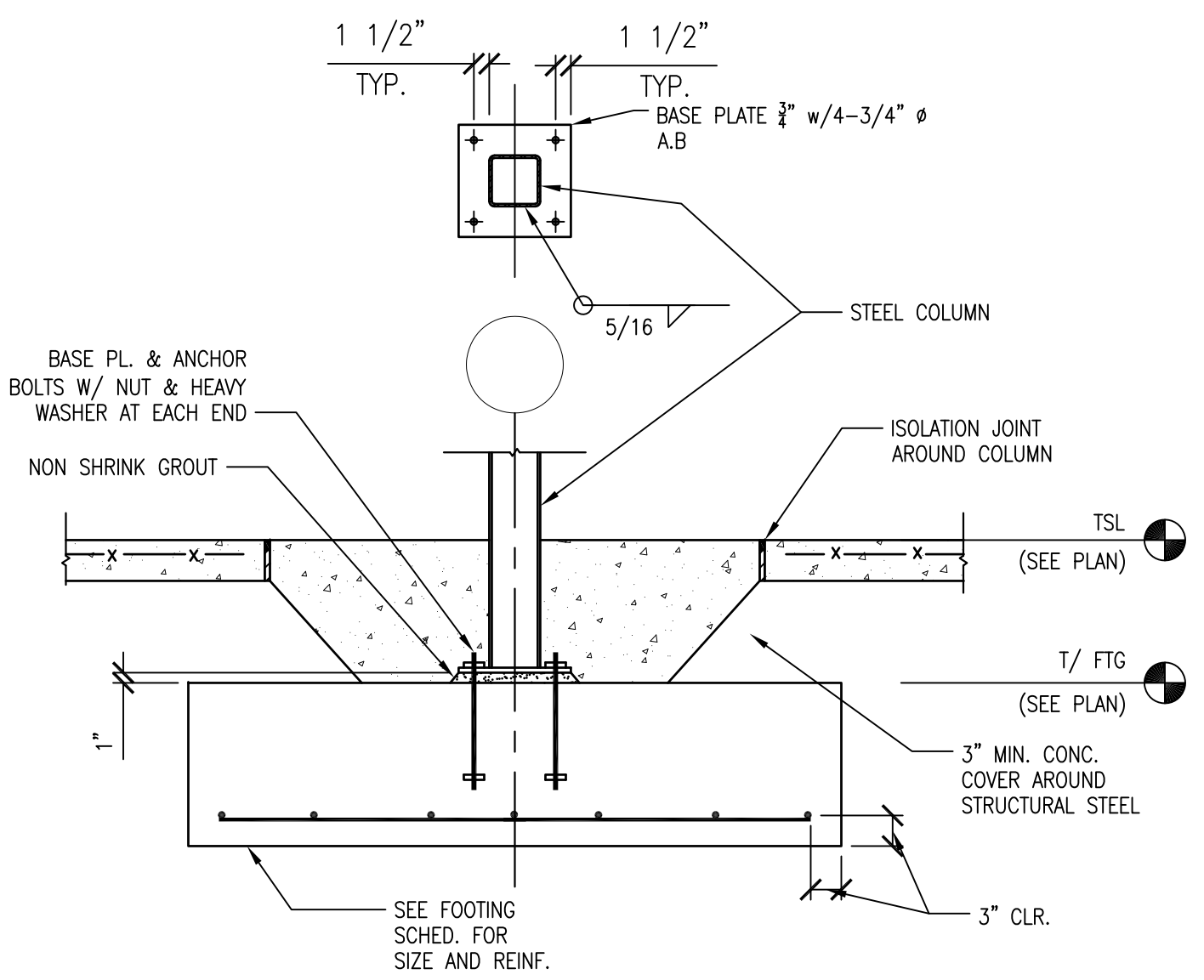


6 TYP. INTERIOR WALL BEARING FOUNDATION
N.T.S.

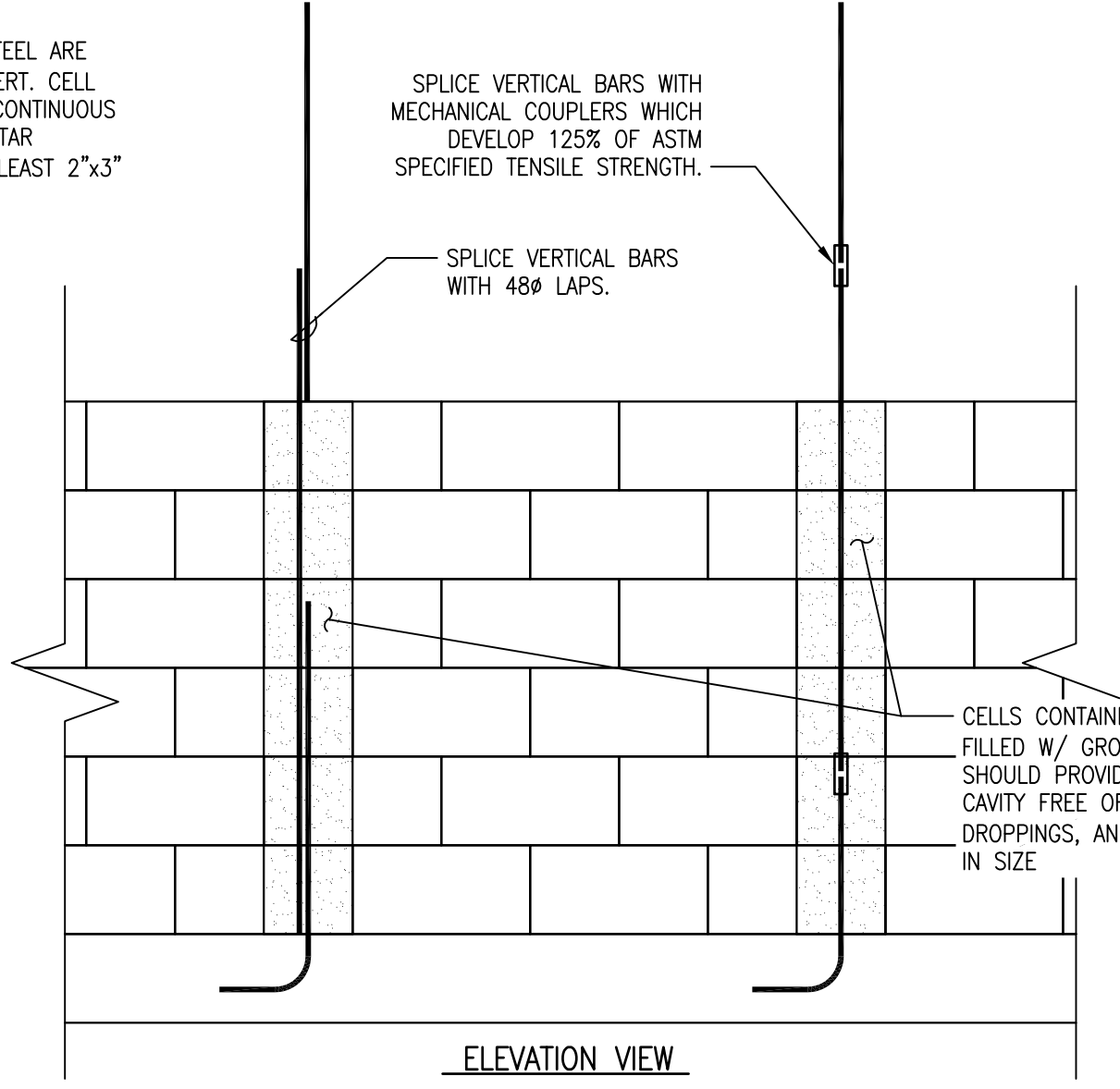


8 BRACING CONNECTION
N.T.S.

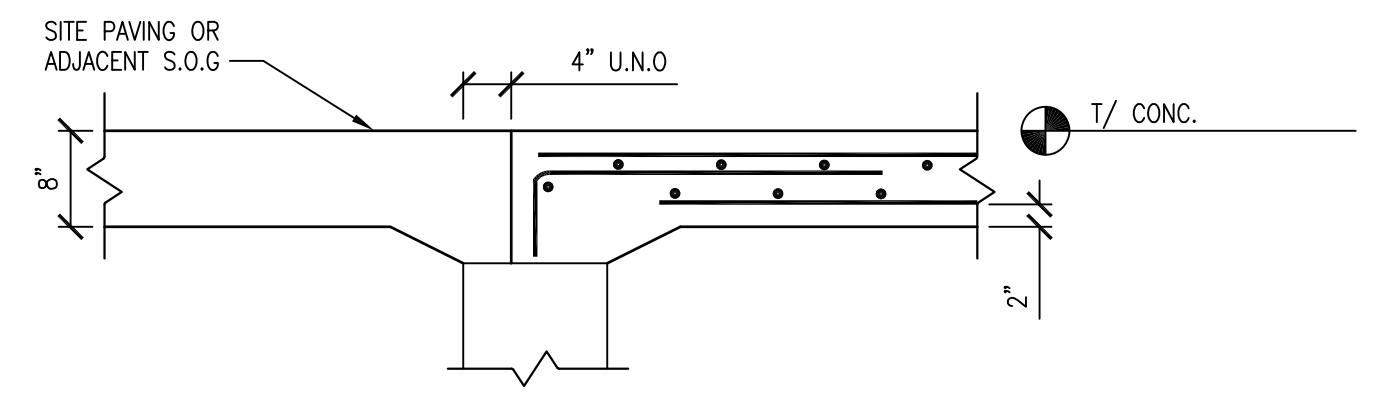
9 TYP. BEAM TO MASONRY WALL CONN
3/4" = 1'-0"



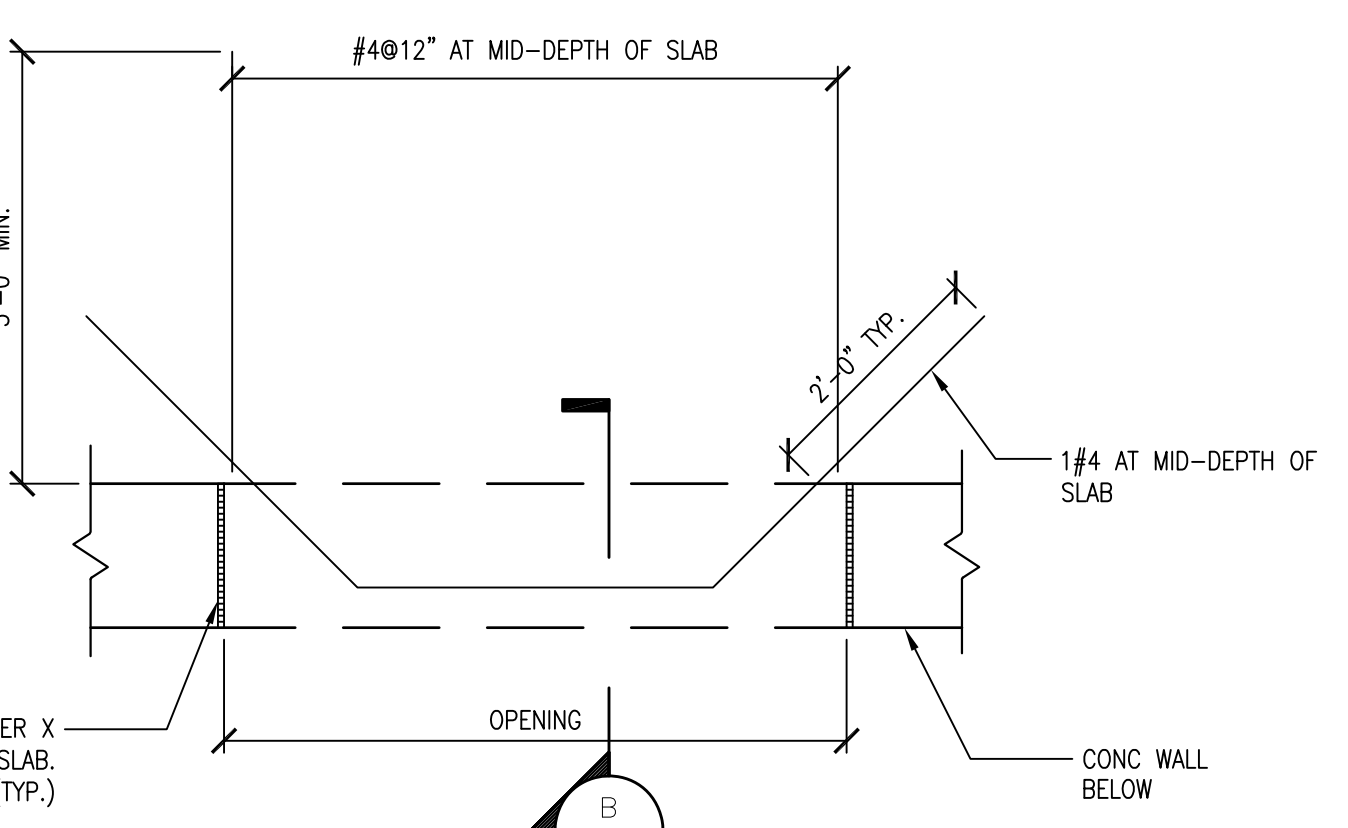
10 TYP. INTERIOR SPREAD FOUNDATION
3/4" = 1'-0"



3 TYP. PIPE PENETRATION DETAIL
3/4" = 1'-0"



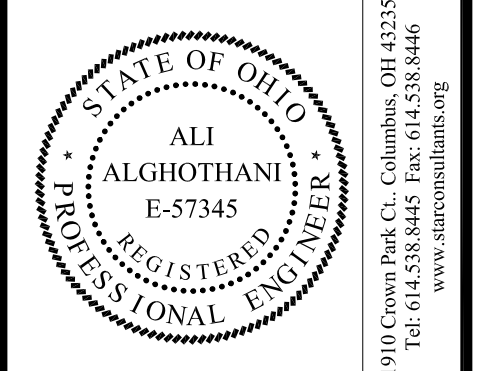
7 TYP. SLAB-ON-GRADE REINF. AT WALL OPENING
N.T.S.



11 TYP. BEAM CONNECTION
N.T.S.

12 TYP. PRE-ENG. BUILD. COL. (U.N.O)
N.T.S.

REVISIONS	REMARKS
REV#	DATE
1	8/14/25
2	02/04/26
	SD SET
	BID SET

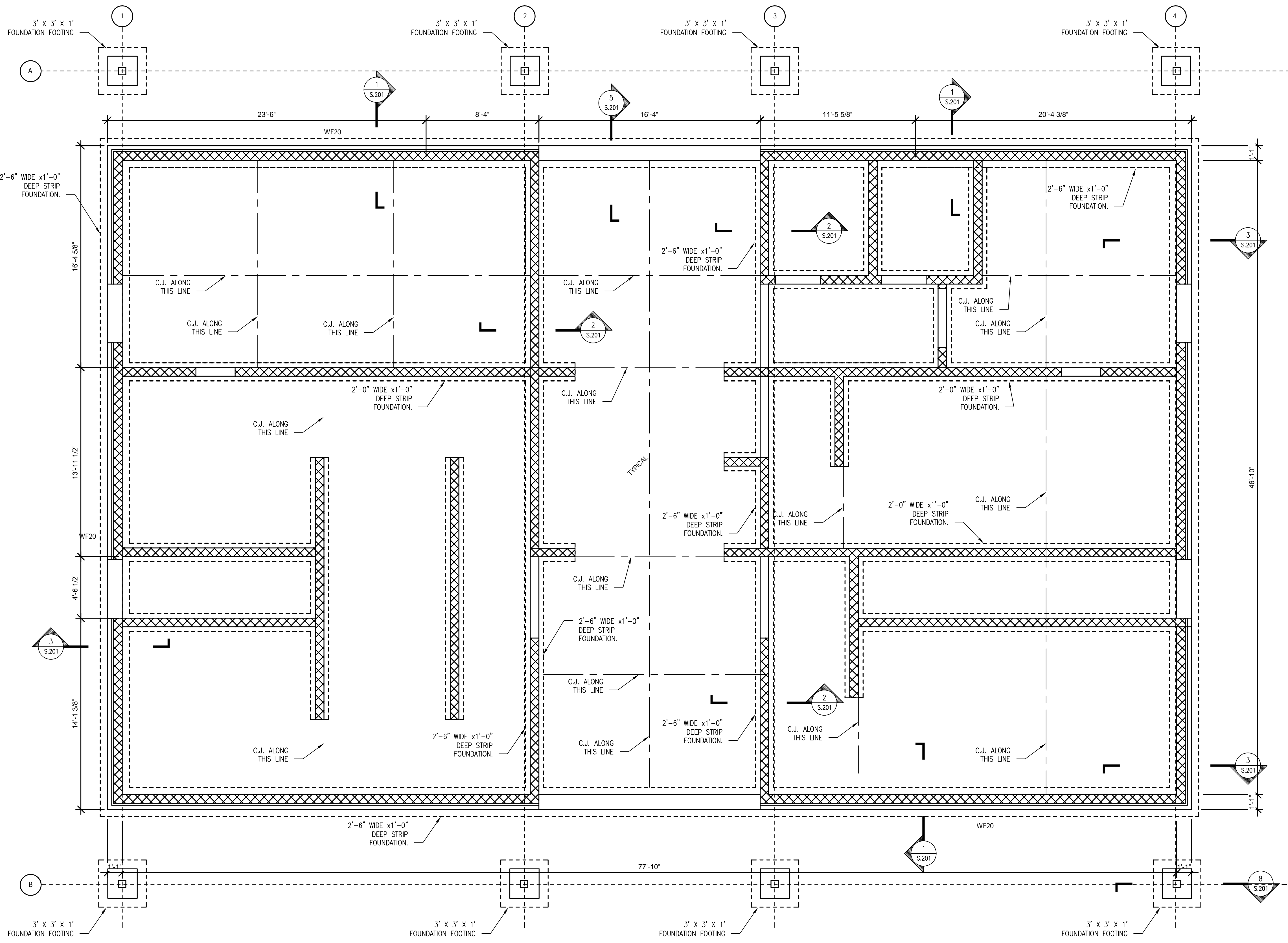


STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
TYPICAL STRUCTURAL DETAILS

PJT #:	25009
DATE:	10/01/2025
DRN. BY:	AA
DGN. BY:	AA
REV. BY:	AMA

SHEET
S0.3



- ### FOUNDATION NOTES
1. CONCRETE SLAB-ON-GRADE: 5" NORMAL WEIGHT CONCRETE W/ #4 BARS @ 12" OC. EACH WAY PLACED AT MID DEPTH, 10 MIL VAPOR BARRIER, 6" ODOT ITEM 304 LIMESTONE SUB-BASE, ON COMPACTED SOIL.
 2. TOP OF THE SLAB ON GRADE ELEVATIONS 100'-0" EXCEPT AS NOTED. SEE CIVIL DRAWINGS FOR REFERENCED ELEVATION.
 3. FOOTINGS ARE CENTERED UNDER WALLS UNLESS NOTED OTHERWISE.
 4. ALL EXTERIOR FOOTING TO EXTEND A MINIMUM OF 3'-0" BELOW EXISTING GRADE.
 5. DESIGN SOIL BEARING PRESSURE IS 2,500 PSF.

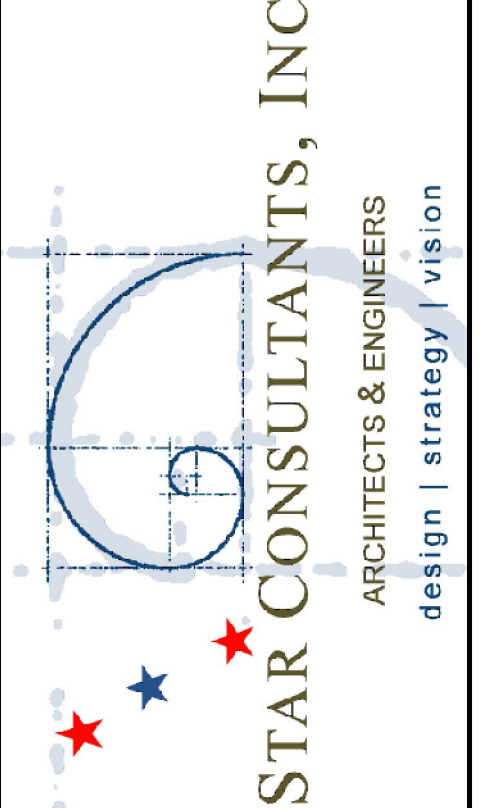
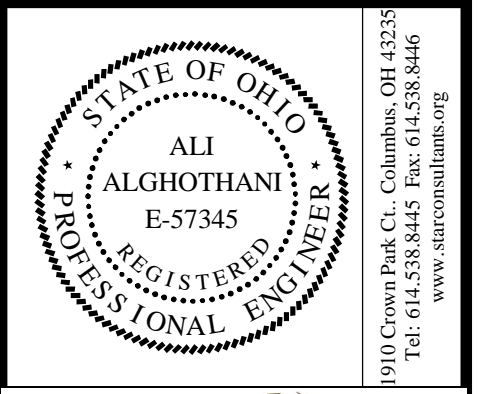
- ### LEGEND:
- WXX - INDICATES CONTINUOUS SHALLOW FOOTING MARK. SEE SCHEDULE ON THIS SHEET FOR SIZE AND REINFORCING.
- F.S. - INDICATES FOOTING STEP, 2'-0" U.N.O., SEE DETAIL 8/S.005.

- ### NOTES:
1. TOP OF FOOTER ELEVATION 98'-0" (U.N.O.)
 2. FOR SLAB-ON-GRADE CONSTRUCTION JOINT, SEE DETAIL 2 ON S0.2.
 3. FOR SLAB-ON-GRADE CONTROL JOINT, SEE DETAIL 1 ON S0.2.
 4. FOR THICKENED SLAB, SEE DETAIL 3 ON S0.2.
 5. FOR SLAB-ON-GRADE REINFORCING, SEE DETAIL 5 ON S0.2.
 6. FOR SLAB-ON-GRADE DEPRESSION, SEE DETAIL 6 ON S0.2.
 7. FOR EQUIPMENT PAD, SEE DETAIL 7 ON S0.2.
 8. FOR ISOLATION JOINTS AROUND COLUMNS, SEE DETAIL 8 ON S0.2.
 9. FOR MASONRY WALL REINFORCING, SEE DETAIL 9 ON S0.2.
 10. FOR OPENING LINTELS, SEE DETAILS 10 ON DWG. S0.2.
 11. FOR TYP. PIPE PENETRATION THRU WALL/FOUNDATION, SEE DETAIL 3 ON S0.2.
 12. FOR GENERAL STRUCTURAL NOTES & DETAILS, SEE DWG. S0.1.
 13. ALL FOUNDATIONS ARE CENTERED UNDER WALLS (U.N.O.)
 14. TOP OF DRAINS ELEVATION -VE 1" BELOW FINISH FLOOR (TYP.)
 15. FOR MASONRY CONTROL JOINT, SEE DETAIL 12 ON S0.2.
 16. FOR TYP. MASONRY CONSTRUCTION, SEE DETAIL 1 ON S0.3.

- ### GENERAL NOTES:
1. CONTRACTOR SHALL OBSERVE ALL OSHA SAFETY RULES & PROCEDURES.
 2. CONTRACTOR SHALL PROVIDE ADEQUATE SAFEGUARDS DURING CONSTRUCTION TO COMPLY WITH THE OHIO BUILDING CODE.
 3. VERIFY LOCATIONS OF WALLS, OPENINGS, ETC WITH ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS BEFORE PLACING FOUNDATIONS.
 4. DESIGN SOIL BEARING PRESSURE 2000 PSF. ANY SOFT SPOTS OR VARIATIONS IN SUBSURFACE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE A/E. THE DESIGN BEARING CAPACITY SHALL BE FIELD VERIFIED BY INDEPENDENT TESTING AGENCY SPECIALIZING IN SOILS INVESTIGATIONS.
 5. ALL EXTERIOR FOOTINGS SHALL EXTEND MINIMUM OF 3'-0" BELOW FINISHED GRADE.
 6. WHERE FILL IS ON BOTH SIDES OF A WALL BRING THE FILL UP UNIFORMLY.
 7. REFERENCE: GENERAL STRUCTURAL NOTES ON S0.1.
 8. SLAB ON GRADE FINISH FLOOR SHALL BE BULLFLOAT.
 9. ALL EXPOSED BASE PLATES, BOLTS AND NUTS SHALL BE STAINLESS STEEL (UNO).
 10. PITCH SLABS TO FLOOR DRAINS, SEE PLUMBING DWGS.
 11. DIMENSIONS ARE OUT-TO-OUT OF CONCRETE FOUNDATION WALL (U.N.O.).
 12. WHEREVER CONCRETE POUR IS DISCONTINUOUS, PROVIDE CONTINUOUS WATERSTOP.

- ### NOTES:
1. ALL ELEVATION HEIGHTS SHOWN ON THIS SHEET FOR THIS BUILDING ARE BASED ON CITY DATUM OF U.S.G.S 1218.92' = RESTROOM BUILDING FIN. FL. ELEV. 100'-0"
 2. SLAB-ON-GRADE LOAD, LIVE LOAD = 150 PSF.

REV#	DATE	REMARKS
01	08/14/25	SD SET
02	02/04/26	CD SET



OHIO DEPARTMENT OF TRANSPORTATION

FACD08 RESTROOMS AT PREBLE TRUCK PARKING

1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

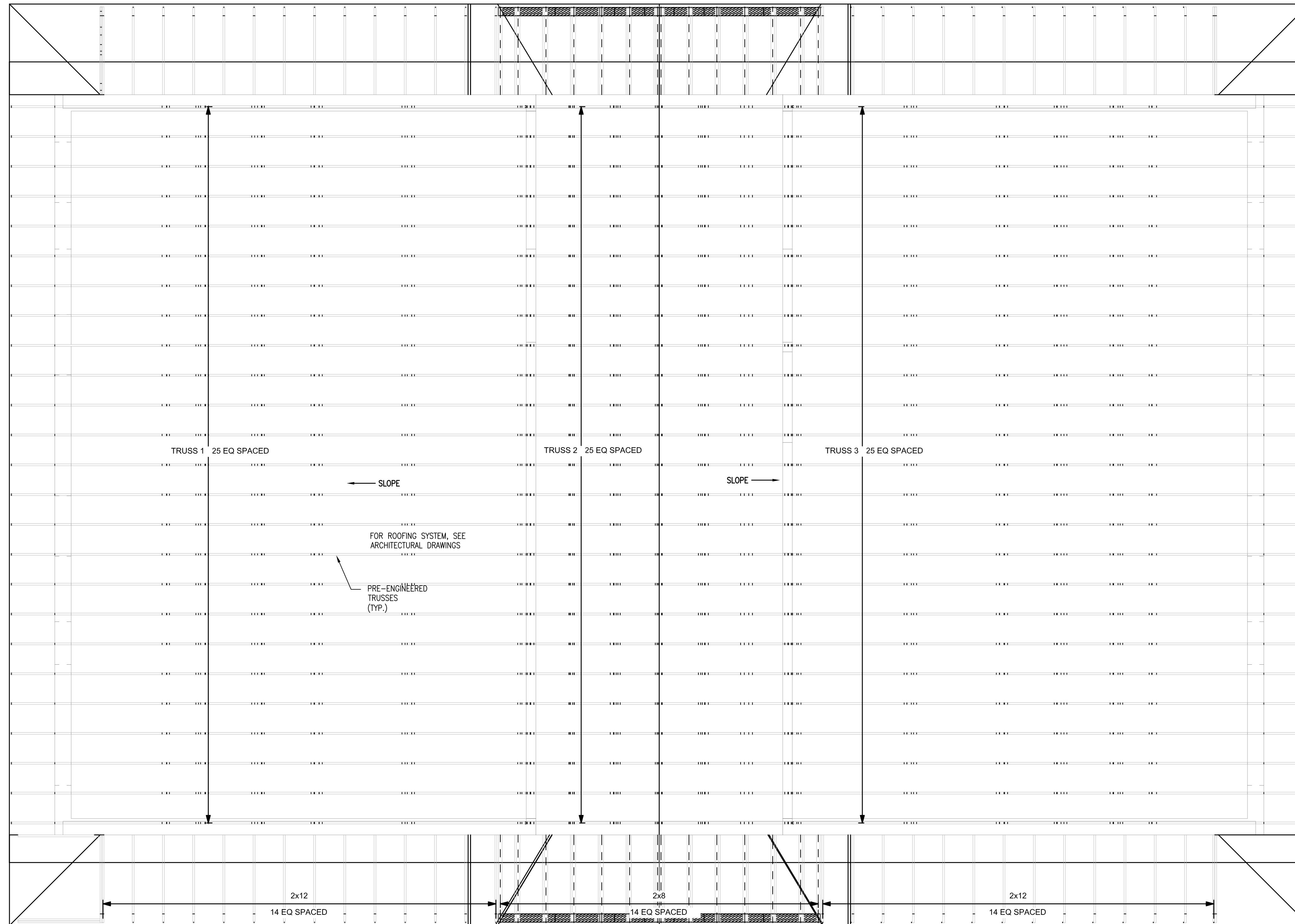
FOUNDATION PLAN

PJT #:	25009
DATE:	10/01/2025
DRN. BY:	AA
DGN. BY:	AA
REV. BY:	AMA

SHEET

S101

① FOUNDATION PLAN
1/4" = 1'-0"



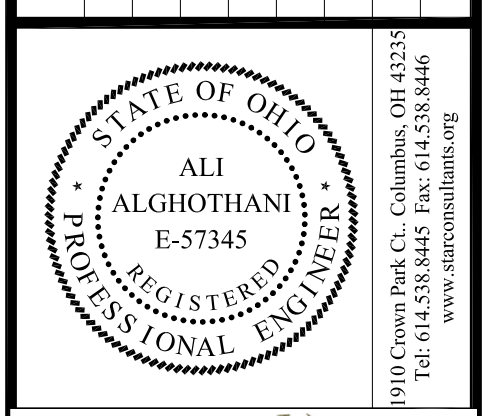
PRE-ENGINEERED TRUSSES NOTES:

- TRUSSES DESIGN BY PRE-ENGINEERED TRUSSES SUPPLIER. TRUSSES ELEMENTS TO SUPPORT 25 PSF LIVE LOAD, 25 PSF SNOW LOAD, DEAD LOAD, SNOW DRIFT LOAD & WIND LOAD WHERE APPLICABLE MINIMUM. MAXIMUM VERTICAL DEFLECTION (1.5XDEAD LOAD + LIVE LOAD) 1/240. MAXIMUM VERTICAL DEFLECTION (LIVE LOAD) 1/360. MAXIMUM HORIZONTAL LIVE LOAD DEFLECTION 0.75". MAXIMUM HORIZONTAL TOTAL LOAD DEFLECTION 1.25". MAXIMUM STORY DRIFT H/100.
- TRUSSES SUPPLIER TO INCLUDE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT WEIGHTS IN THE DESIGN. PROVIDE ADDITIONAL FRAMING SUPPORT FOR HVAC, PLUMBING AND ELECTRICAL CONTRACTORS TO SUPPORT/HANG THEIR EQUIPMENT. SEE OTHER TRADE DRAWINGS AND COORDINATE ALL WORK WITH OTHER TRADES TO VERIFY LOADING REQUIREMENTS.
- ALL FRAMING FOR ROOF OPENINGS/PENETRATIONS SHALL BE DESIGNED AND PROVIDED BY THE TRUSSES SUPPLIER. TRUSSES SUPPLIER SHALL REVIEW/COORDINATE WITH MECHANICAL, PLUMBING, ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR OPENING REQUIREMENTS AND ADDITIONAL FRAMING SUPPORT.
- TRUSSES SHOP DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN OHIO SHALL BE SUBMITTED FOR REVIEW AND SHALL CONTAIN THE FOLLOWING INFORMATION:
 - * DETAIL OF TRUSS AND OTHER MEMBERS SHOWING SIZE OF MEMBERS
 - * SPECIES AND WORKING STRESS OF LUMBER USED
 - * LOADING CONDITIONS USED IN DESIGN
 - * CALCULATED FORCES IN EACH MEMBER
 - * CONNECTION SIZES, CAPACITIES AND LOCATIONS
 - * LAYOUT AND PROFILE OF TRUSSES
 - * MISC. ITEMS PROVIDED BY SUPPLIER

NOTES:

- VERIFY LOCATIONS OF COLUMNS, WALLS, OPENINGS, ETC WITH ARCHITECTURAL DRAWINGS BEFORE PLACING FOUNDATIONS.
- USE MANUFACTURER RECOMMENDED NAILING FOR ALL CONNECTIONS MINIMUM.
- ALL STEEL CONNECTIONS (PLATES, BOLTS, HANGERS...ETC.) SHALL BE HOT-DIP GALVANIZED.
- FOR OPENING LINTELS, SEE DETAILS NO. 10 & 15 ON S0.3.
- FOR MASONRY CONTROL JOINTS, SEE DETAIL NO. 12 ON S0.3.
- FOR AN ALTERNATE OPENING LINTELS, SEE DETAIL A ON S0.3.

REV#	DATE	REMARKS
1	8/14/25	SD SET
2	02/04/26	BID SET



STAR CONSULTANTS, INC.
 ARCHITECTS & ENGINEERS
 design | strategy | vision

9100 Cowan Park Ct., Columbus, OH 43235
 Tel: 614.538.8445 Fax: 614.538.8446
 www.starconsultants.com

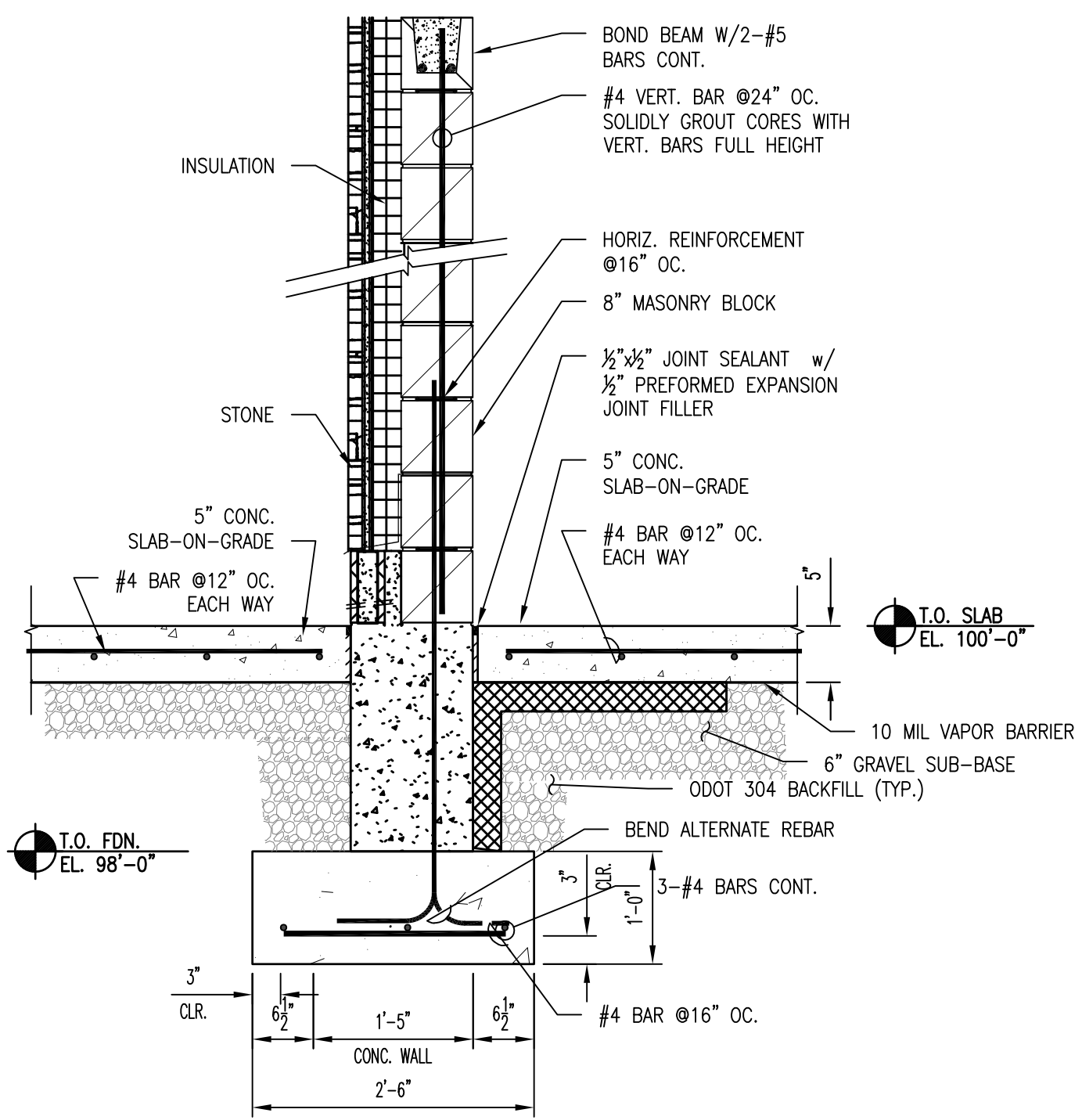
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

ROOF FRAMING PLAN

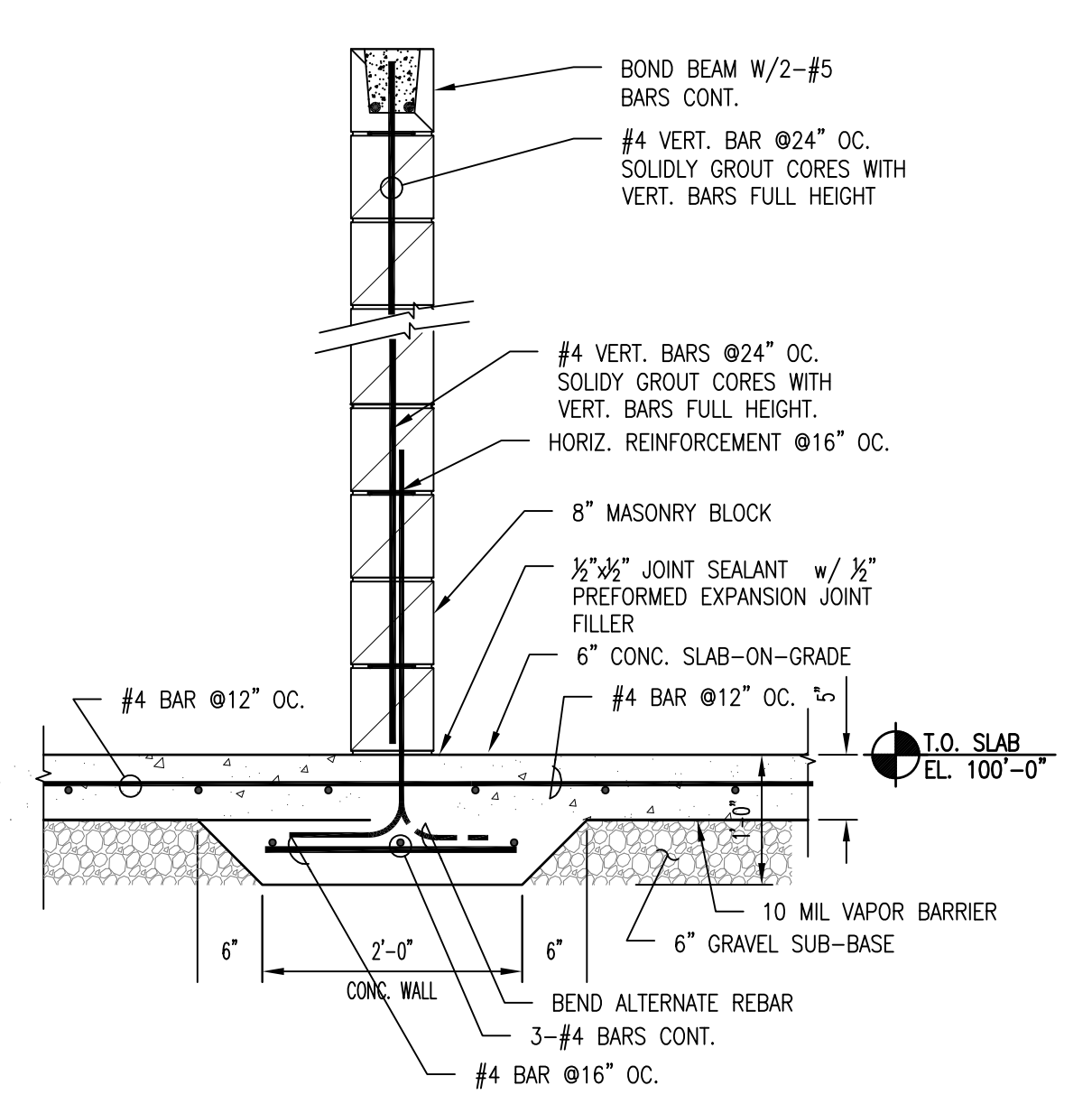
PJT #:	25009
DATE:	10/01/2025
DRN. BY:	AA
DGN. BY:	AA
REV. BY:	AMA

SHEET
S102

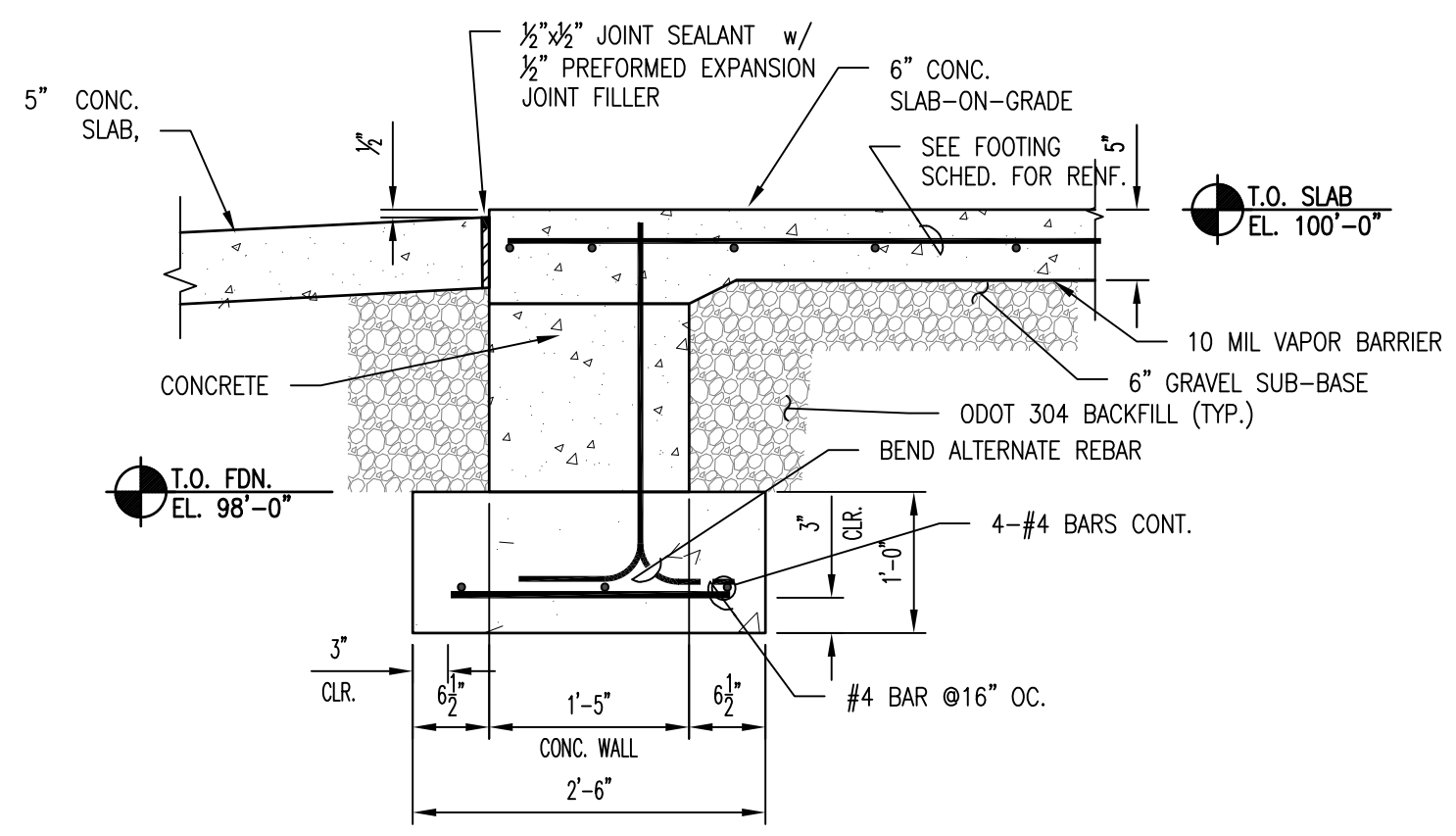
① ROOF FRAMING PLAN
 1/4" = 1'-0"



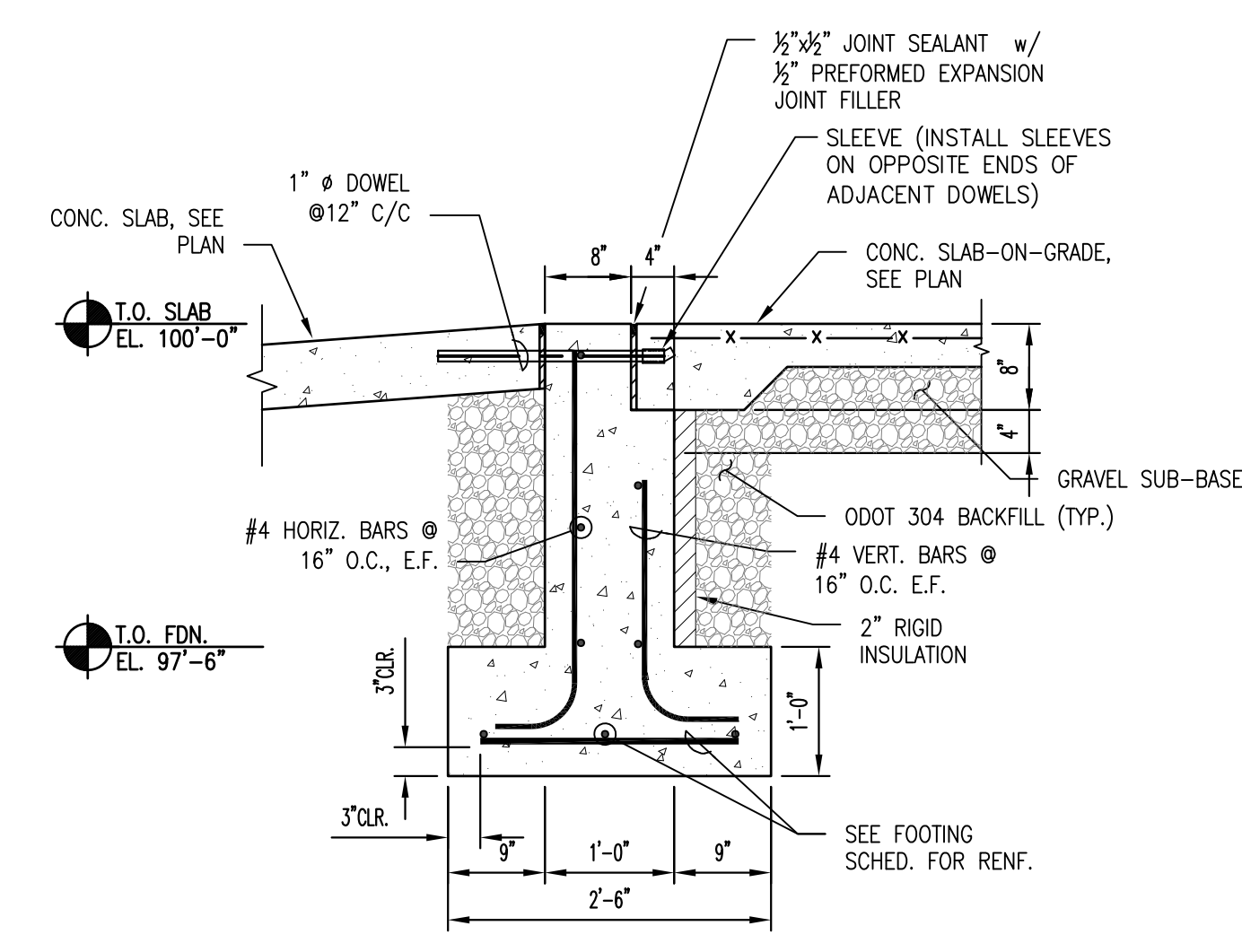
SECTION 1
3/4" = 1'-0"



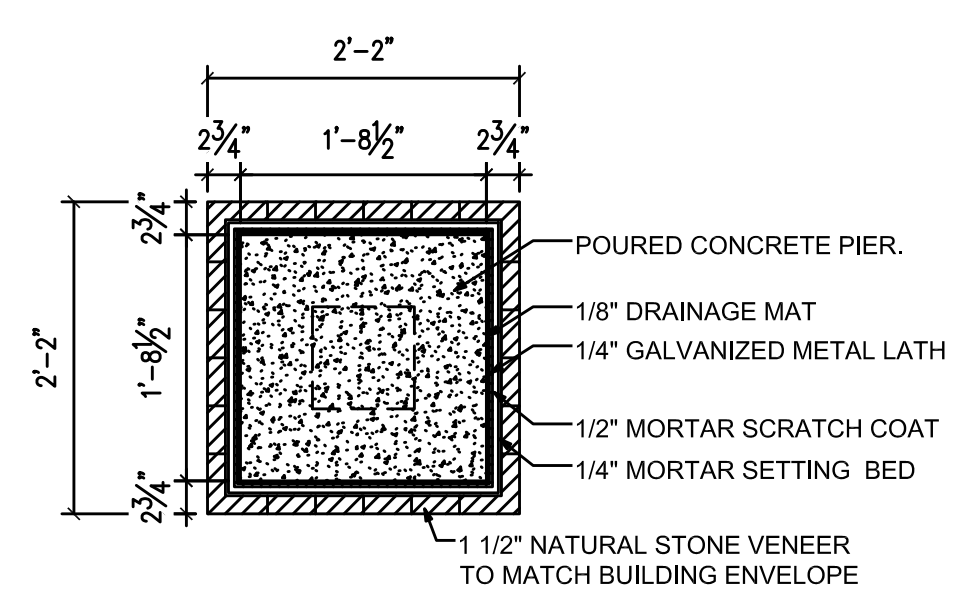
SECTION 2
3/4" = 1'-0"



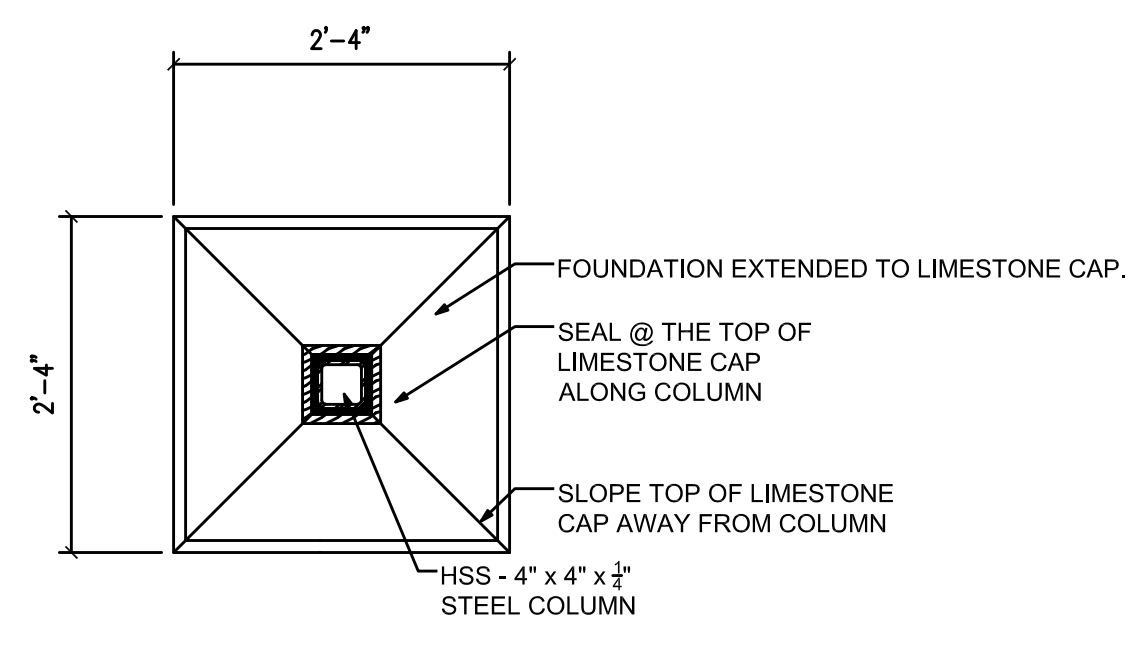
SECTION 3
3/4" = 1'-0"



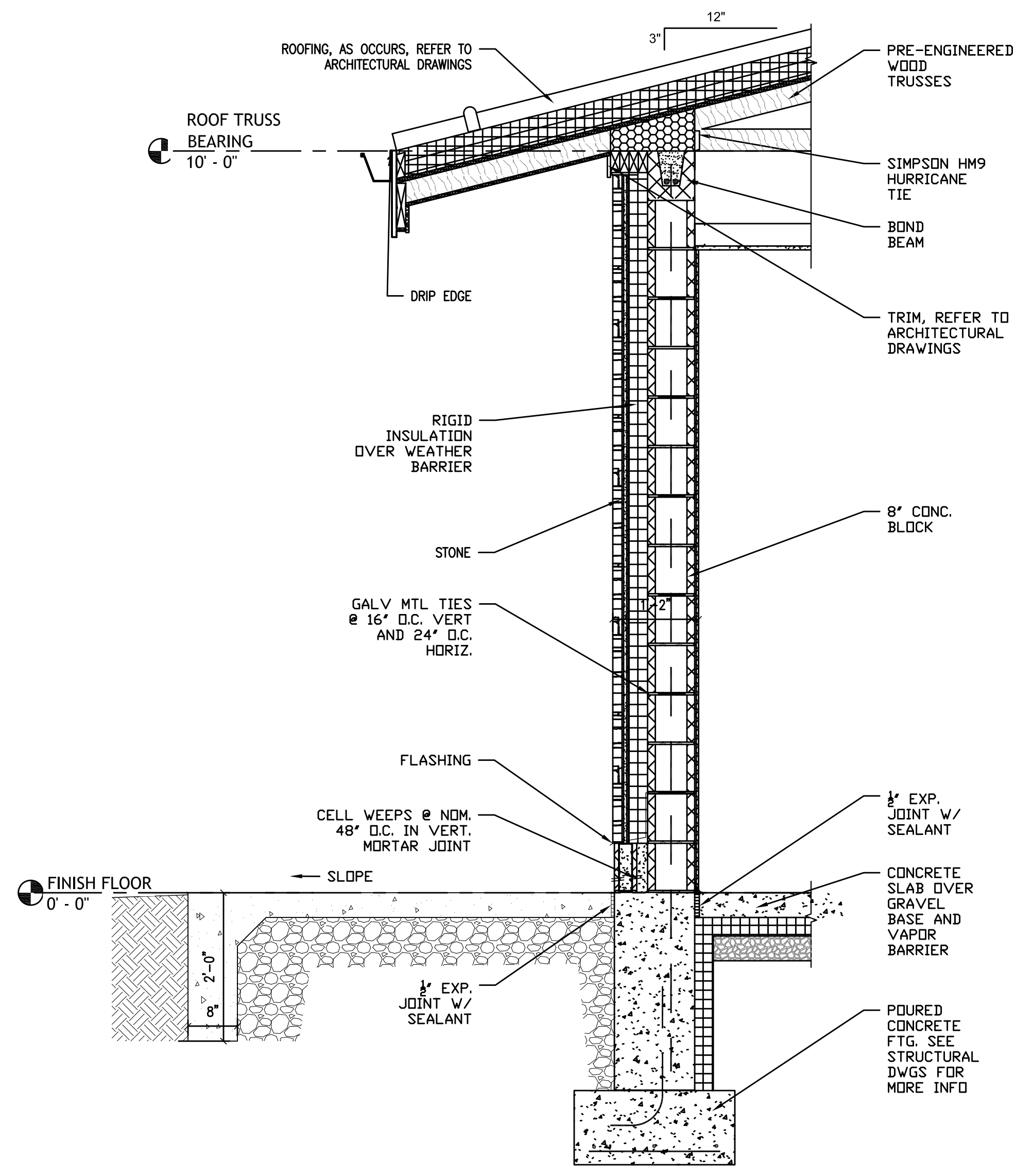
SECTION 4
3/4" = 1'-0"



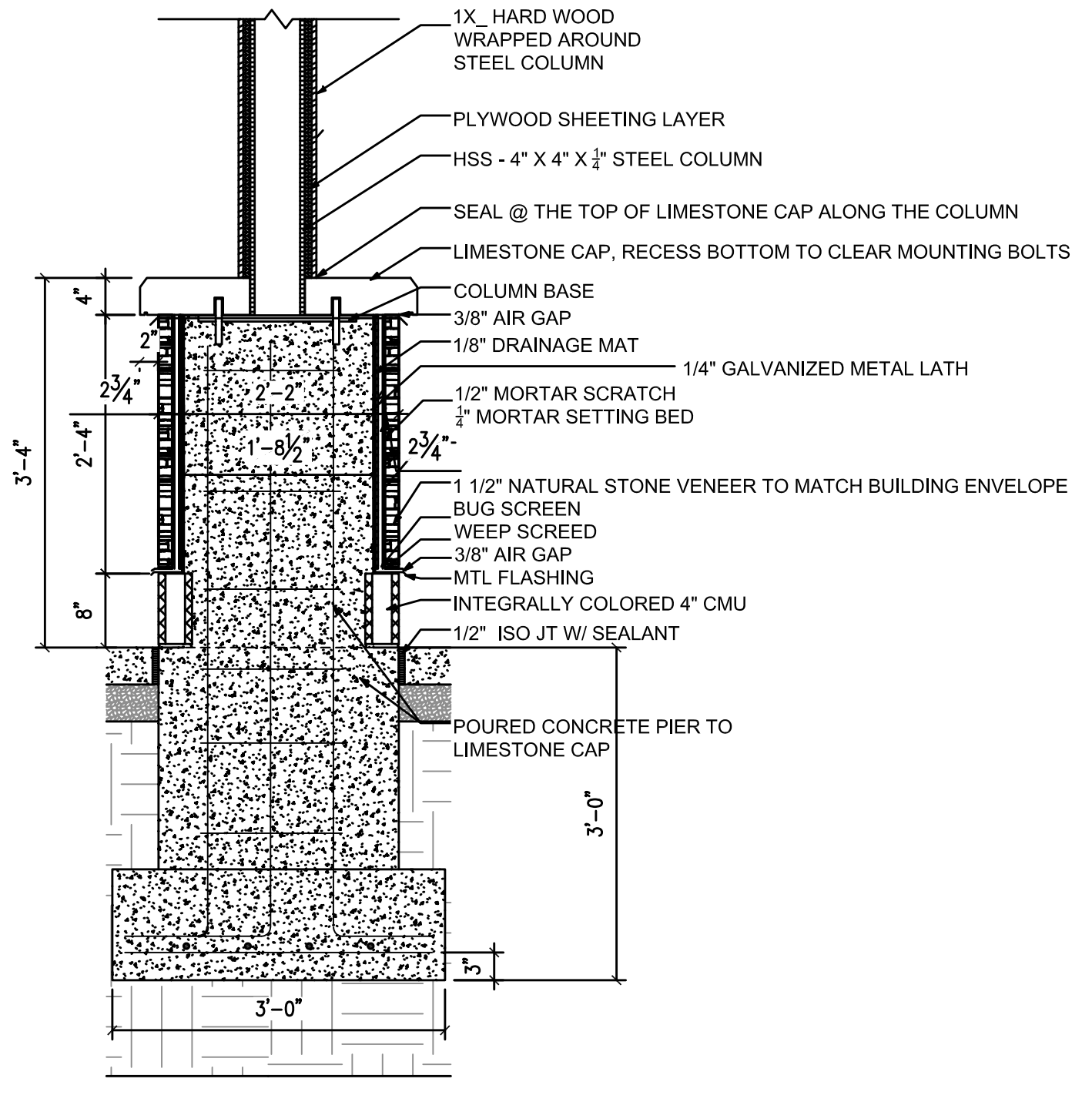
SECTION 5
3/4" = 1'-0"



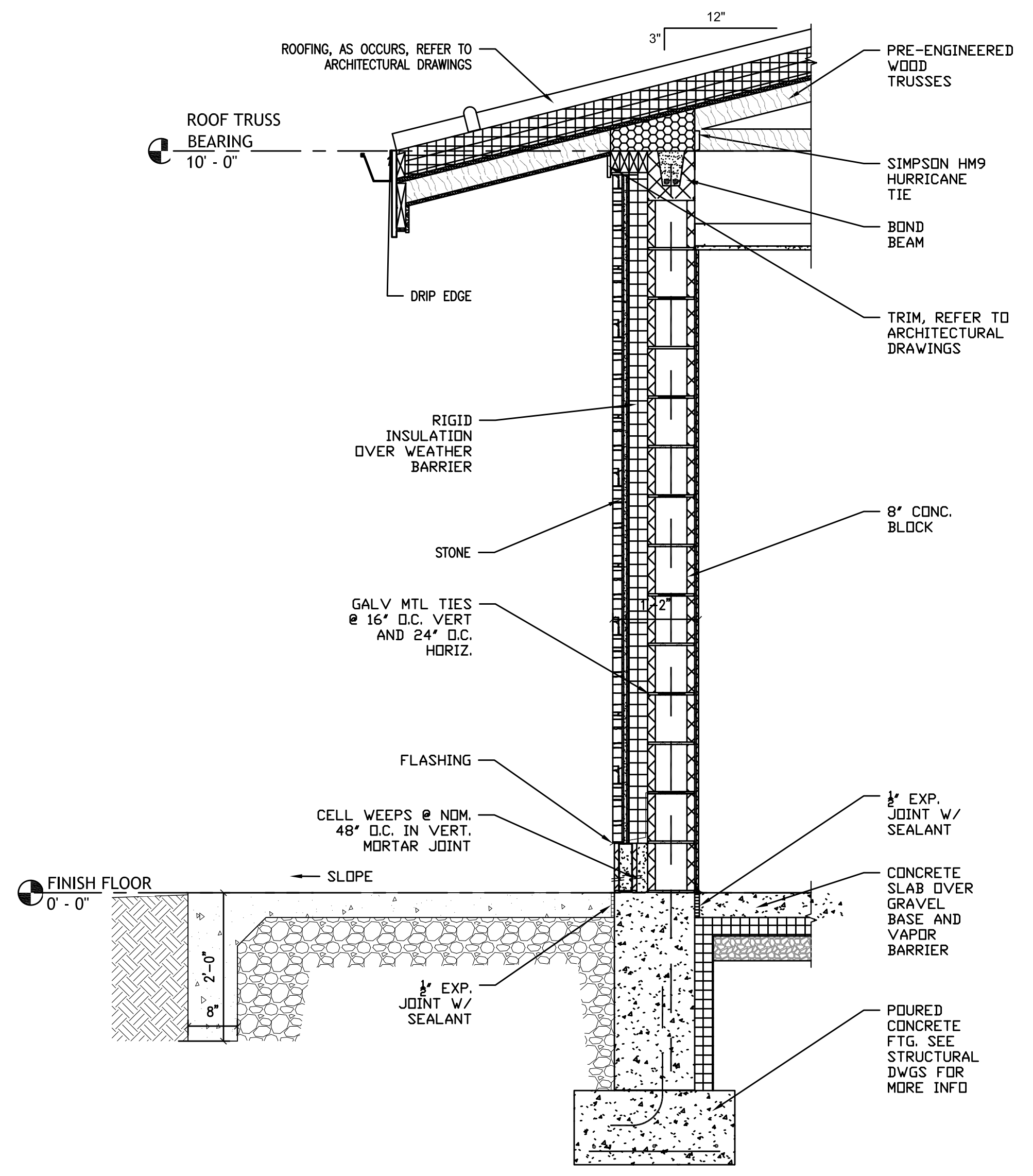
SECTION 6
3/4" = 1'-0"



SECTION 7
3/4" = 1'-0"

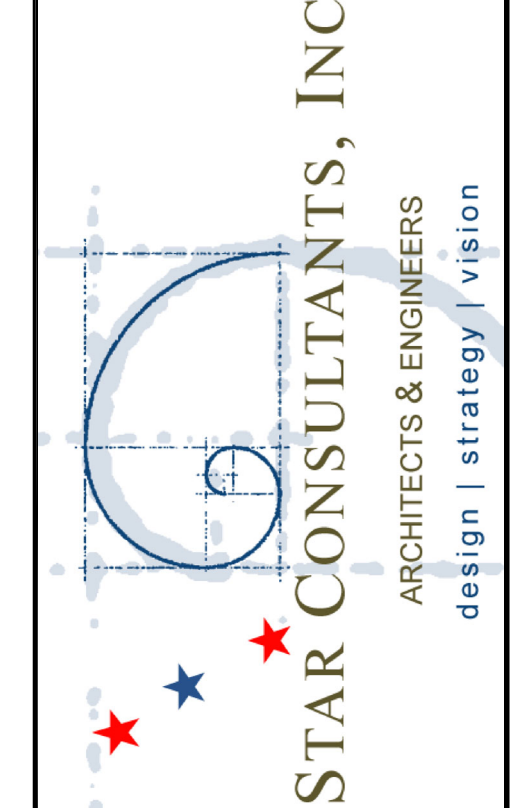


SECTION 8
3/4" = 1'-0"



SECTION 9
3/4" = 1'-0"

REV#	DATE	REMARKS
01	08/14/25	SD SET
02	02/04/26	CD SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

PJT #:	25009
DATE:	10/01/2025
DRN. BY:	AA
DGN. BY:	AA
REV. BY:	AMA

SHEET
S201

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF A NEW SYSTEM INCLUDING ALL GENERAL TRADES WORK ASSOCIATED WITH CONCRETE WORK, CORE DRILLING, FIRE STOPPING, AND PATCHING, COORDINATE THE INSTALLATION AND EQUIPMENT SELECTION WITH OTHER TRADES.
2. ALL WORK SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE. THE OWNER'S BUSINESS WILL CONTINUE TO FUNCTION AND MUST NOT BE INTERRUPTED. PROTECT THE OWNER'S PROPERTY INCLUDING IT EQUIPMENT, TELEPHONE CIRCUITS, ELECTRICAL PANELS AND ANY OTHER EQUIPMENT DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL SHUT DOWNS OF EXISTING UTILITIES WITH OWNER 14 DAYS IN ADVANCE. INSTALL PROTECTIVE DUST BARRIERS AND WATERTIGHT PROTECTION AS NECESSARY TO PROTECT EXISTING FACILITIES AND EQUIPMENT FROM DAMAGE. ANY DAMAGE TO THE OWNER'S PROPERTY DUE TO THE CONTRACTOR'S NEGLIGENCE OR LACK OF PROTECTIVE MEASURES SHALL BE REPLACED ON CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL REVIEW THE PROJECT TECHNICAL SPECIFICATIONS DIVISION 1 FOR SPECIFIC REQUIREMENTS WITH RESPECT TO MEETINGS, SUBMITTALS, SCHEDULING, WORK RESTRICTIONS AND GENERAL CONTRACT REQUIREMENTS.
4. THE CONTRACTOR SHALL COORDINATE WITH OWNER'S PROJECT MANAGER FOR PARKING, TEMPORARY FACILITIES AND FOR LOCATION OF TOOLS AND MATERIALS STORAGE, DUMPSTER, AND TRAILERS (SEE DIVISION 1).
5. PROVIDE FOR A SECURE WORK SITE DURING THE COURSE OF THE PROJECT. STORE ALL TOOLS, EQUIPMENT AND MATERIALS. THE OWNER IS NOT RESPONSIBLE FOR LOST OR STOLEN PROPERTY.
6. THE CONTRACTOR SHALL MAINTAIN FOR THE ENTIRE DURATION OF THE WORK CONDITIONS SAFE WITH REQUIRED EGRESS EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES IN CONFORMANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
7. ALL EQUIPMENT AND MATERIAL SHALL BE NEW, AND SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS SPECIFICATIONS, MANUFACTURERS' RECOMMENDATIONS, GOOD ENGINEERING PRACTICE, RULES OF THE TRADE. ALL CONSTRUCTION SHALL COMPLY TO THE CURRENT INTERNATIONAL BUILDING CODES, OHIO BUILDING CODES, NEC, ASHRAE, ADA, ASME A17.1, AND LOCAL ZONING CODES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW ALL THE APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
8. LOCATION OF EQUIPMENT, FIXTURES, PIPING AND OTHER HVAC WORK, IS INDICATED DIAGMATICALLY ON THE DRAWINGS. THE CONTRACTOR(S) SHALL DETERMINE EXACT LOCATION AND DIMENSIONS ON THE JOBSITE, SUBJECT TO JOB CONDITIONS AND WORK BY OTHER CONTRACTORS.
9. CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORTS AS REQUIRED FOR EQUIPMENT PROVIDED.
10. ALL WORK SHALL BE COORDINATED WITH OTHER CONTRACTOR'S WORK.
11. ALL EQUIPMENT SHALL BE UL-LISTED. GAS EQUIPMENT SHALL BE CERTIFIED BY THE AMERICAN GAS ASSOCIATION AND COMPLY WITH THE NATIONAL FUEL GAS CODE REQUIREMENT. ELECTRIC EQUIPMENT PER NEC.
12. THE CONTRACTOR TO FIELD VERIFY ALL LOCATIONS OF DUCTWORK AND EQUIPMENT RELATED PIPING FOR ANY INTERFERENCE IN FULL COORDINATION WITH OTHER ENGINEERING DISCIPLINES AND TRADES PRIOR TO FABRICATION AND INSTALLATION. COORDINATE WITH ALL DISCIPLINES TO OBTAIN CAD DRAWINGS OF ALL HVAC, ELECTRICAL, FIRE SUPPRESSION AND PLUMBING EQUIPMENT, CONDUITS AND PIPING TO PROVIDE BIM DRAWINGS INCLUDING FULL COORDINATION TO A/E AND OWNER'S PROJECT MANAGER FOR APPROVAL. HVAC CONTRACTOR TO PROVIDE COORDINATION PLAN. CONTRACTOR SHALL DISCUSS THIS PLAN IN COORDINATION MEETING WITH THE ENGINEER / ARCHITECT, AS NEEDED.
13. CAULK SPACE BETWEEN SLEEVES, DUCTS, AND PIPES WHERE DUCTS AND PIPES PASS THROUGH WALLS. CAULKING TO BE AIR AND WATER TIGHT. USE FIRE SEALING MATERIAL THROUGH RATED WALLS.
14. ALL DUCTWORK & PIPING DIMENSIONS SHOWN ON DRAWINGS ARE TO BE CLEAR INSIDE DIMENSIONS REQUIRED.
15. INSTALL ALL DUCTWORK AND DUCT SUPPORTS ACCORDING TO ASME AND SMACNA DUCT CONSTRUCTION STANDARDS.
16. ALL RECTANGULAR DUCTS SHOWN ON DRAWINGS SHALL BE EXTERNALLY INSULATED OR INTERNALLY LINED. ALL SECTIONS OF DUCTS THAT ARE NOT INTERNALLY LINED SHALL BE EXTERNALLY INSULATED. DUCT LINING AND DUCT INSULATION SHALL BE AS DEFINED IN THE PROJECT SPECIFICATIONS AND AS REQUIRED BY OHIO ENERGY CODE.
17. CONTRACTOR TO REPAIR, PAINT AND MATCH WITH EXISTING WALL, FLOOR, CEILING & ROOF AFTER MAKING PENETRATION AND INSTALLATION OF DUCTWORK, PIPING, EQUIPMENT. ALL REPAIRS SHOULD BE AS PER ROOF WARRANTIES. UTILIZE ROOF CONTRACTOR APPROVED BY ROOF SYSTEM MANUFACTURER.
18. AVOID ROUTING ANY DUCTWORK AND PIPING WORK CLOSE TO ELECTRICAL PANELS. ALL DUCTWORK AND PIPING WORK PENETRATION THROUGH WALL OR CEILING TO BE FURNISHED WITH APPROPRIATE SLEEVES AND PACKING. ANY REFRIGERANT AND WATER PIPES ABOVE OR CLOSE TO ELECTRICAL PANELS, TRANSFORMERS, VFD SHALL BE SLEEVED AND SHALL BE INSTALLED AS REQUIRED PER NEC / OHIO BUILDING CODE.
19. INSTALL WALL MOUNTED THERMOSTATS FIVE (5) FEET ABOVE THE FINISHED FLOOR, OR REUSE EXISTING THERMOSTAT LOCATIONS.
20. PLUMBING CONTRACTOR SHALL PROVIDE GAS CONNECTIONS TO ALL RELATED EQUIPMENT WITH GAS COCK, UNION AND DRIP LEG. EXTEND REGULATOR VENT OUTDOORS PER MANUFACTURERS REQUIREMENTS AND FUEL GAS CODE.
21. PLUMBING CONTRACTOR TO EXTEND GAS CONNECTIONS FROM GAS HEADER TO ALL GAS FIRED EQUIPMENT AND CAP OFF FOR

- MECHANICAL CONTRACTOR TO MAKE PROPER EQUIPMENT CONNECTIONS.
22. ALL DUCTS MATERIAL, FABRICATION AND INSTALLATION SHALL BE AS SPECIFIED, AS PER OBC AND AS PER SMACNA STANDARD.
23. ALL CIRCULATING AIR SYSTEMS SHALL BE PROVIDED WITH FILTER SECTION (MINIMUM MERV11 FILTER).
24. PROVIDE EQUIPMENT IDENTIFICATION SYSTEMS. IDENTIFICATION SHALL BE LARGE ENGRAVED IDENTIFICATION PLAQUES SCREWED OR RIVETED TO THE UNITS AS PER SPECIFICATIONS MEETING ANSI REQUIREMENTS.
25. MOUNT ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATION. CONTRACTOR TO PROVIDE MOUNTING SHOP DRAWING WITH CALCULATIONS SEALED BY AN OHIO REGISTERED ENGINEER FOR ANY CHANGES OR APPROVED BY A/E AS PER PLANS.
26. THE CONTRACTOR IS RESPONSIBLE FOR ALL DESIGN CHANGES AND RELATED COSTS IF DESIGN BASIS MANUFACTURER OR PRODUCT IS NOT USED.
27. TRANSITION DUCTS AND PIPES TO EQUIPMENT OPENING SIZES. VERIFY ALL SIZES WITH MANUFACTURER'S CERTIFIED DRAWINGS. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
28. MAINTAIN A MINIMUM 8"-6" HEAD CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT IN MECHANICAL SPACES. ALL ABOVE CEILING INSTALLATIONS SHALL ACCOMMODATE REQUIRED CEILING HEIGHTS. FULL COORDINATION WITH A/E APPROVAL IS REQUIRED BEFORE FABRICATION AND INSTALLATION.
29. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
30. CONCRETE HOUSEKEEPING PADS TO SUIT MECHANICAL EQUIPMENT SHALL BE SIZED, LOCATED AND INSTALLED BY THE CONTRACTOR. MINIMUM CONCRETE PAD THICKNESS SHALL BE 4 INCHES (SEE PLANS FOR ACTUAL PAD THICKNESS). PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 4 INCHES ON EACH SIDE WITH BEVELED EDGES. MECHANICAL CONTRACTOR TO PROVIDE ACTUAL SIZES OF EQUIPMENT REQUIRING PADS AND SHALL ENSURE MAINTENANCE AND OSHA MANDATED CLEARANCES ARE PROVIDED. ANY CONFLICTS SHALL BE BROUGHT TO A/E'S ATTENTION.
31. INLET DUCTWORK TO DIFFUSER SHALL BE FLEXIBLE DUCT WITH SIZE SAME AS DIFFUSER'S NECK SIZE U.N.O. FLEXIBLE DUCT LENGTH TO BE NO MORE THAN 6FT.
32. ALL DUCTWORK, PIPING, AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH STRUCTURAL DRAWINGS AND INSTALLATION. ALL ATTACHMENTS TO STEEL BAR JOISTS, TRUSSES, OR JOIST GIRDSERS SHALL BE AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS IS NOT PERMITTED. THE USE OF C-CLAMPS IS NOT PERMITTED. ALL LOADS SHALL BE PROVIDED FOR SUPPORTED EQUIPMENT WITH SUBMITTALS FOR APPROVAL FROM STRUCTURAL ENGINEER. ALL OPENINGS IN WALL SHALL HAVE NECESSARY LINTELS WITH FULLY SEALED SUPPORT EXCEPT LOUVER AREA TO ALLOW AIR MOVEMENT.
33. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS WITH THE DRAWINGS. THE CONTRACTOR IS TO REPORT IMMEDIATELY TO THE A/E ANY CONFLICTS, DISCREPANCIES OR VARIANCES IN THE PLANS (FOR CLARIFICATION OF DESIGN INTENT), DETAILS, DIMENSIONS, SPECIFICATIONS OR FIELD CONDITIONS THAT MAY CAUSE PROBLEMS PRIOR TO COMMENCEMENT OF WORK. GENERAL AND ALL SUB-COTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING COMPLIANCE OF SHOP DRAWINGS WITH PLANS, PRIOR TO ORDERING MATERIALS OR BEGINNING WORK.
34. CHANGES SHALL NOT BE MADE ON SITE DEVIATING FROM THE CONSTRUCTION DOCUMENTS WITHOUT A/E'S PRIOR APPROVAL FOLLOW THE BEST TRADE AND ENGINEERING PRACTICES FOR THE ITEMS REQUIRED, THAT ARE NOT SPECIFICALLY DETAILED AND INDICATED.
35. SIZE AND LOCATION OF ALL WALL OPENINGS TO BE VERIFIED WITH TRADE AFFECTED BEFORE PROCEEDING WITH THE WORK. CHANGE IN LOCATION OF AIR INTAKE AND EXHAUST MAY REQUIRE CHANGE OF HORSEPOWER AND/OR CHANGE OF FAN SIZE, TYPE AND ITS ACCESSORIES, AND CONTRACTOR SHALL SEEK WRITTEN APPROVAL FOR ANY CHANGES.
36. IF ANY CONFLICT OR DISCREPANCY EXISTS BETWEEN THESE NOTES AND SPECIFICATIONS, THEN THE STRICTEST PROVISION SHALL GOVERN.
37. DO NOT SCALE DRAWINGS; WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT NOTIFY A/E.
38. PAINTING INCLUDES FIELD PAINTING OF NEW NON-GALVANIZED EXPOSED STEEL AND IRON WORK SUCH AS SUPPORTS, RODS, HANGERS, BOLTS, NUTS, AND BASE STEEL WHICH HAS NOT BEEN FACTORY COATED, TOUCH UP FACTORY PAINTED EQUIPMENT. ALL PATCHWORK ASSOCIATED WITH DEMOLITION OR NEW WORK SHALL BE REPAIRED AND PAINTED TO MATCH EXISTING SURFACES.
39. MECHANICAL TO PROVIDE ALL CONTROL WIRING. PROVIDE CONTROL DRAWINGS FOR SEQUENCE OF OPERATION.
40. THIRD PARTY TESTING AND BALANCING SERVICES ARE REQUIRED FOR AIR BALANCING (EQUIPMENT, AIR DEVICES, BRANCH ZONE CONTROL VOLUME DAMPERS, RETURN AND FRESH AIR DAMPERS) ON ALL NEW EQUIPMENT.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS SHOWN HERE MAY NOT APPLY.

Table listing abbreviations for various mechanical and electrical components. Includes entries like AB ABOVE, AD ACCESS DOOR, AFF ABOVE FINISHED FLOOR, ACC ACCESS, A/C AIR CONDITIONING, AHU AIR HANDLING UNIT, AL ALUMINUM, ALT ALTERNATE, AMP AMPERE, APX APPROXIMATELY, ARCH ARCHITECT, AS AIR SEPARATOR, BAL BALANCE, BOD BOTTOM OF DUCT, BD BACKDRAFT DAMPER, BEL BELOW, BFG BELOW FINISHED GRADE, BLDG BUILDING, B.O.E BOTTOM OFF EQUIPMENT, CAP CAPACITY, CFM CUBIC FEET PER MINUTE, CH CHILLER, CI CAST IRON, CLG CEILING, CLR CLEAR(ANCE), CMPR COMPRESSOR, CO CLEAN OUT, CONC CONCRETE, COND CONDENSATE, CONN CONNECT, CONNECTION, CONT CONTINUE, CONTINUATION, CONTR CONTRACTOR, COORD COORDINATE, COORD COORDINATE, CR CONDENSATE RETURN, CRAW COMPUTER ROOM AC UNIT, CTRL CONTROL, CUH CABINET UNIT HEATER, CUJ CONDUIT UNIT, CW COLD WATER, CHWET CHILLED WATER EXPANSION TANK, CHWP CHILLED WATER PUMP, CHWR CHILLED WATER RETURN, CHWS CHILLED WATER SUPPLY, CWS CONDENSER WATER SUPPLY, CWR CONDENSER WATER RETURN, D DRAIN, DB DRY BULB, DIFF DIFFUSER, DIA DIAMETER, DIM(S) DIMENSION(S), DISC DISCONNECT, DISCH DISCHARGE, DN DOWN, DPR, DMPR DAMPER, DETAIL(S) DETAIL(S), DWG(S) DRAWING(S), EA EXHAUST AIR, EAT ENTERING AIR TEMPERATURE, EBH ELECTRIC BASE BOARD HEATER, EC ELECTRICAL CONTRACTOR, EUH ELECTRIC UNIT HEATER, EF EXHAUST FAN, EHAC ELECTRIC HEATED AIR CURTAIN, EHP ELECTRIC HEATING PANEL, EL ELEVATION, ELEC ELECTRIC, ELEV ELEVATION, ENGR ENGINEER, EQPT EQUIPMENT, EWT ENTERING WATER TEMPERATURE, EWH ELECTRIC WATER HEATER, EXH EXHAUST, EXIST. (E) EXISTING, EXFP EXPLSION PROOF, EXPO EXPOSED, EXT EXTERNAL, FA FACE AREA OR FIRE ALARM, FCU FAN COIL UNIT, FD FIRE DAMPER OR FLOOR DRAIN, FDN, FND FOUNDATION, FFC FIRE PROTECTION CONTRACTOR, FINN FINNED RADIATION, FLEX FLEXIBLE, FLR FLOOR, FPM FEET PER MINUTE, FT HD FOOT HEAD, FURN FURNISH, FUT FUTURE, G GAS, GAL GALLON(S), GC GENERAL CONTRACTOR, GV GAS VALVE, GA GAUGE, GALV GALVANIZED, GD GRADE, GEN GENERAL, GYU GLYCOL MAKE UP UNIT, GPH GALLONS PER HOUR, GPM GALLONS PER MINUTE, GR GRILLE, GTC GENERAL TRADES CONTRACTOR, H HUMIDIFIER, HD HEAD OR HEAVY DUTY, HTG HEATING, HVAC HEATING/VENTILATING/AIR CONDITIONING, HC HEATING CONTRACTOR, HP HEAT PUMP, HT HEIGHT, HTR HEATER, HORIZ HORIZONTAL, HP HORSEPOWER, HSW HIGH SIDE WALL, HW HEATING & VENTILATING, HW HOT WATER, HWET HOT WATER EXPANSION TANK, HWP HEATING WATER PUMP, HWR HEATING WATER RETURN, HWWS HEATING WATER SUPPLY, IH INTAKE HOOD, IN INCH, INSUL INSULATION, L LENGTH, LAT LEAVING AIR TEMPERATURE, LSW LOW SIDE WALL, LWCO LOW WATER CUT OFF, LWT LEAVING WATER TEMPERATURE, MAN MANUAL, MUA MAKE UP AIR, MFR MANUFACTUR(ER), MIN MINIMUM, MAX MAXIMUM, MECH MECHANICAL, MISC MISCELLANEOUS, MD MOTORIZED DAMPER, MSS MANUFACTURER'S STANDARIZATION, MTD MOUNTED, METAL, NEC NATIONAL ELECTRIC CODE, NIC NOT IN CONTRACT, NTS NOT TO SCALE, NC NORMALLY CLOSED, NO NORMALLY OPEN, OA OUTSIDE AIR, OBC OHIO BUILDING CODE, OMC OHIO MECHANICAL CODE, OC ON CENTER(S), OPENING, OD OUTSIDE DIAMETER, PC PLUMBING CONTRACTOR, PPWS PUMPED POOL WATER SUPPLY, PPWR PUMPED POOL WATER RETURN, PNL PANEL, PRESS PRESSURE, PROJ PROJECTION, PROP PROPELLER, PRV PRESSURE REDUCING VALVE, PVC POLYVINYL CHLORIDE, PSF POUNDS PER SQUARE FOOT, PSI POUNDS PER SQUARE INCH, QTY QUANTITY, RA RETURN AIR, RAD RADIUS, RADR RADIATOR, REG REGISTER, REF REFERENCE, REHC REHEAT COIL, REQD REQUIRED, REV(ISION(S)), REVISED, RH ROOF HOOD, RLA RELIEF AIR, RPM REVOLUTIONS PER MINUTE, RM ROOM, RO ROUGH OPENING, RTU ROOFTOP UNIT, SCHEDULE, SHT SHEET, SIM SIMILAR, SUCT SUCTION, SD SMOKE DETECTOR, S SOUTH, SPEC(S) SPECIFICATION(S), SPKRLR SPRINKLER, SQ SQUARE, SQ FT SQUARE FEET, SST STAINLESS STEEL, STD STANDARD, STRU STRUCTURAL, SUSP SUSPENDED, SYS SYSTEM, SA SUPPLY AIR, SP STATIC PRESSURE, TEMP TEMPERATURE, TG TRANSFER GRILLE, THERM THERMOMETER, THK THICK(NESS), TSTAT THERMOSTAT, TRANS TYPICAL, TCC TEMPERATURE CONTROL CONTRACTOR, TXV THERMAL EXPANSION VALVE, UDC UNDER DOOR CUT, UH UNIT HEATER, UV UNIT VENTILATOR, UNO UNLESS NOTED OTHERWISE, V VENT, VAV VARIABLE AIR VOLUME, VERT VERTICAL, VFD VARIABLE FREQUENCY DRIVE, VIBISOL VIBRATION ISOLATOR, VOL VOLUME, VTR VENT THROUGH ROOF, VSD VARIABLE SPEED DRIVE, VVR VARIABLE VOLUME REHEAT, WB WET BULB, WH WATER HEATER, WLH WALL HEATER, WP WEATHER PROOF, WT WEIGHT, W WEST OR WIDTH, W/ WITH, W/O WITHOUT, WSH WATER SOURCE HEAT PUMP, WTD WATER TEMPERATURE DROP

HVAC SYMBOLS

NOTE: ALL SYMBOLS SHOWN HERE MAY NOT APPLY.

Table of HVAC symbols and their descriptions. Includes symbols for existing/relocated pipes, domestic hot/cold water, natural gas lines, chilled water supply/return, condenser water supply/return, hot gas lines, liquid refrigerant lines, suction refrigerant lines, pumped pool water supply/return, heating water supply/return, disconnects, new work, CAP off, connect to existing, tee/outlet down, elbow turned up/down, tee, drop symbols for rectangular and round ducts, rectangular return/exhaust/relief ducts, round return/exhaust/relief ducts, base mounted pumps, inline pumps, air terminal units, valve tags, revision notes, equipment tags, room numbers, detail and part plans, section C, supply flow direction, return air/transfer air, coded notes, manual balancing dampers, backdraft dampers, linear diffusers, slot diffusers, flex connections, damper tags, volume dampers, and flexible ducts.

HVAC SYMBOLS

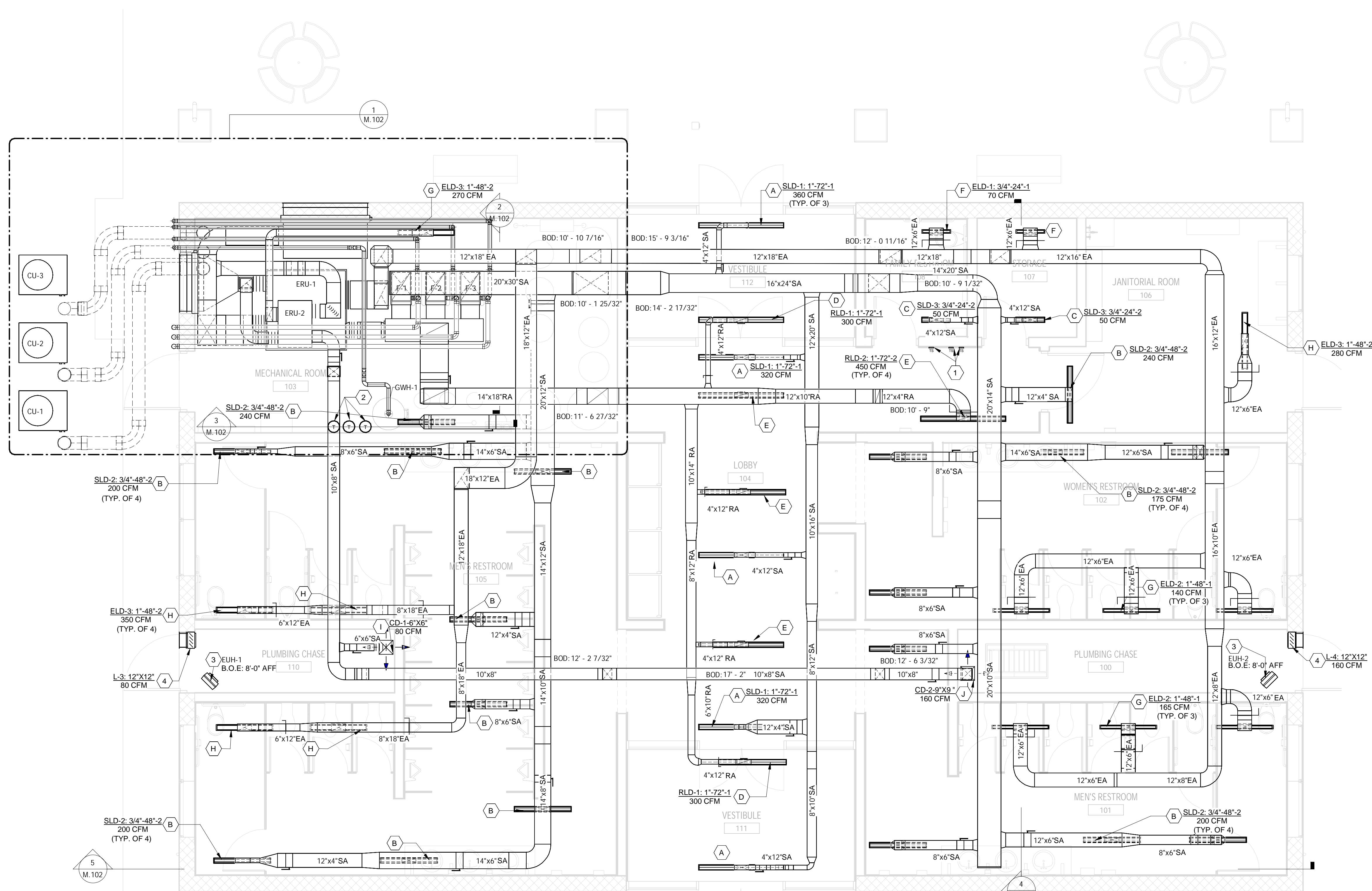
NOTE: ALL SYMBOLS SHOWN HERE MAY NOT APPLY.

Table of HVAC symbols and their descriptions. Includes symbols for relief valves, circuit setters, ball valves with memory stop, ball valves, three way auto control valves, two way auto control valves, check valves, globe valves, balancing valves, butterfly valves, pressure reducing valves, thermometers, pressure gages, triple duty valves, temperature sensors, remote temperature sensors, fire dampers, concentric reducers/increasers, unions, plug valves, test plugs, fire rated walls (1 and 2 hour), adjustable thermostats, temperature sensors/alarm strobes, humidity sensors, carbon dioxide sensors, nitrogen dioxide sensors, occupancy sensors, dual technology occupancy sensors, motorized dampers, smoke detectors, duct smoke detector remote test stations, supply air duct at penetration, return air duct at penetration, return air duct, supply air duct plan, exhaust/relief duct plan, outside air duct plan, linear supply/return air diffusers, linear exhaust air diffusers, flex connections, damper tags, volume dampers, and flexible ducts.

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

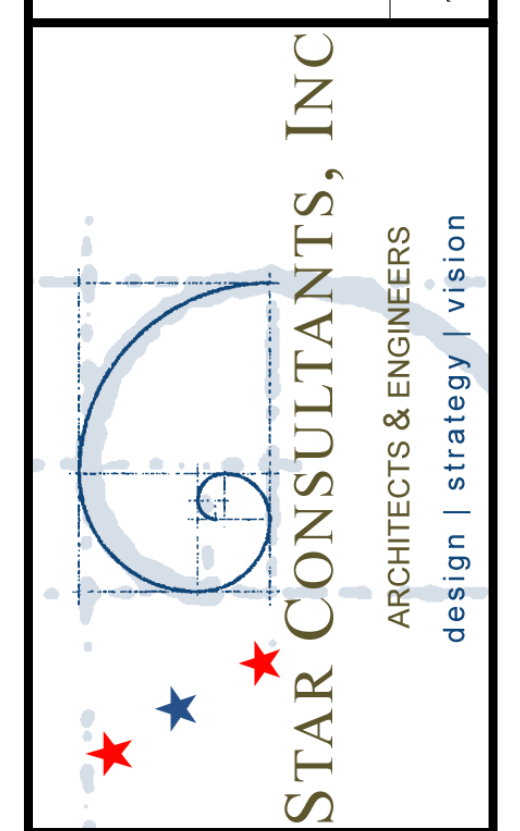
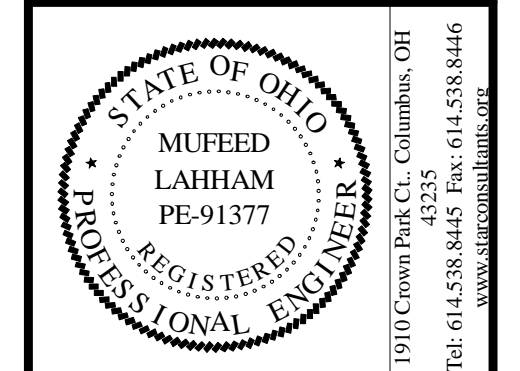
Vertical sidebar containing project information: OHIO DEPARTMENT OF TRANSPORTATION, FACD08 RESTROOMS AT PREBLE TRUCK PARKING, I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY. Includes a professional seal for MUEFFEL LAHAM, REGISTERED PROFESSIONAL ENGINEER. Also contains 'GENERAL NOTES, LEGENDS, AND ABBREVIATIONS' and project details: PJT #: 25009, DATE: 10/24/2025, DRN. BY: HY, DGN. BY: ML, REV. BY: HM, SHEET M.001.



- SHEET NOTES:**
- COORDINATE ALL DUCTWORK ROUTING WITH ROOF TRUSS LAYOUT. ALL DUCTWORK RUN IN ATTIC IS TO BE RUN ABOVE BOTTOM CHORD OF TRUSSES. ALL CEILING PENETRATIONS MUST OCCUR BETWEEN TRUSSES. ALL ELEVATIONS NOTED ON DRAWING ARE FROM ABOVE FINISHED FLOOR(AFF).
 - CEILING-MOUNTED LINEAR DIFFUSER, PROVIDE SECTION(S) (COMPLETE WITH PLENUM) TO FIT BETWEEN TRUSSES. QUANTITY AS INDICATED WITH DUCT CONNECTION(S). PROVIDE ADDITIONAL "BLANK" SECTIONS TO FINISH OFF LENGTH AS INDICATED. OVERALL SECTION OF DIFFUSER SHALL APPEAR AS ONE CONTINUOUS DIFFUSER. SEE SHEET M.601 FOR AIR DEVICE SCHEDULES.
 - DIFFUSERS ARE DESIGNATED BY (A) ETC. SEE SCHEDULES FOR DETAILS AND PROVIDE ROUND CONNECTIONS FROM PLENUM OF ALL LINEAR DIFFUSERS TO RECTANGULAR DUCTS WITH TRANSITION.

- CODED NOTES**
- THERMOSTAT REMOTE TEMPERATURE SENSOR. THERMOSTAT SHALL BE LOCATED IN MECHANICAL ROOM #106. SEE CODED NOTE #2. CONTRACTOR TO PROVIDE ALL LOW-VOLTAGE WIRING AND CONTROLS BACK TO THERMOSTAT. PROVIDE REMOTE TEMPERATURE SENSOR AND MOUNT AT 5'-0" AFF.
 - THERMOSTAT FOR FURNACES F-1/2/3. CONTRACTOR TO PROVIDE ALL LOW-VOLTAGE WIRING AND CONTROLS BACK TO FURNACES. PROVIDE THERMOSTAT AND MOUNT AT 5'-0" AFF.
 - MOUNT ELECTRIC UNIT HEATERS AT 8'-0" AFF AND PROVIDE THE UNIT HEATER WITH BUILT-IN THERMOSTAT TO CYCLE HEATING IN TEMPERATURE RANGE 45 DEG F TO 135 DEG F.
 - PROVIDE LOUVER WITH BACK DRAFT DAMPER. BACK DRAFT DAMPER SHALL BE SET FOR 1/8" STATIC PRESSURE. BOTTOM OF LOUVER IS 8'-0" AFF.

REV.	DATE	REMARKS
1	12/09/2025	ADD RESPONSE
2	02/04/2026	BID SET

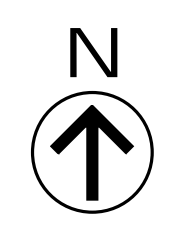


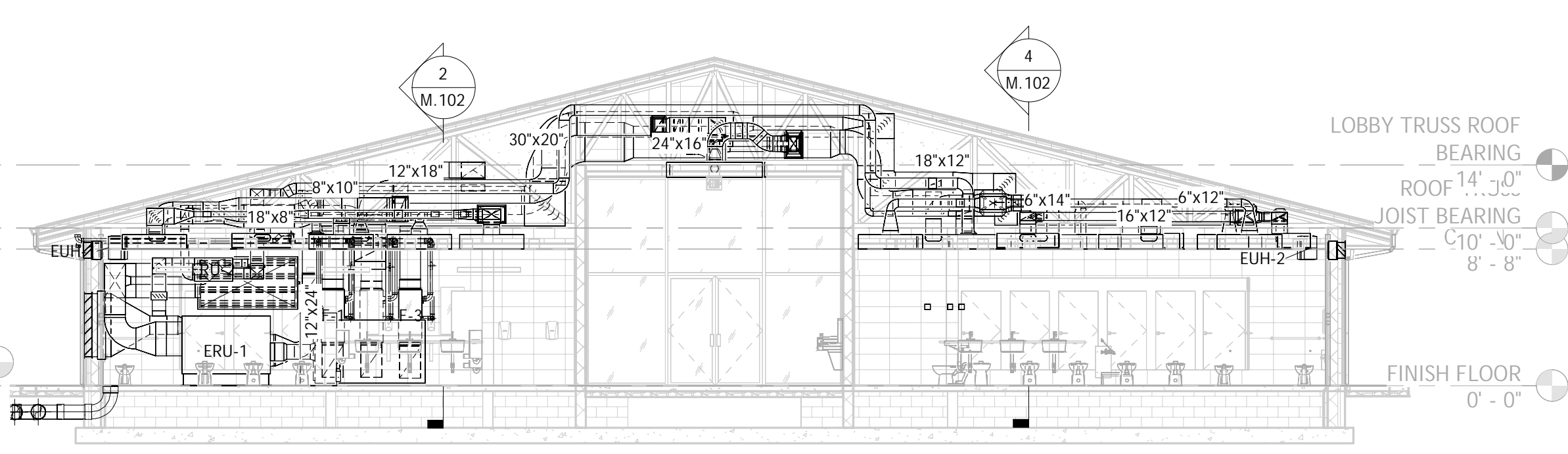
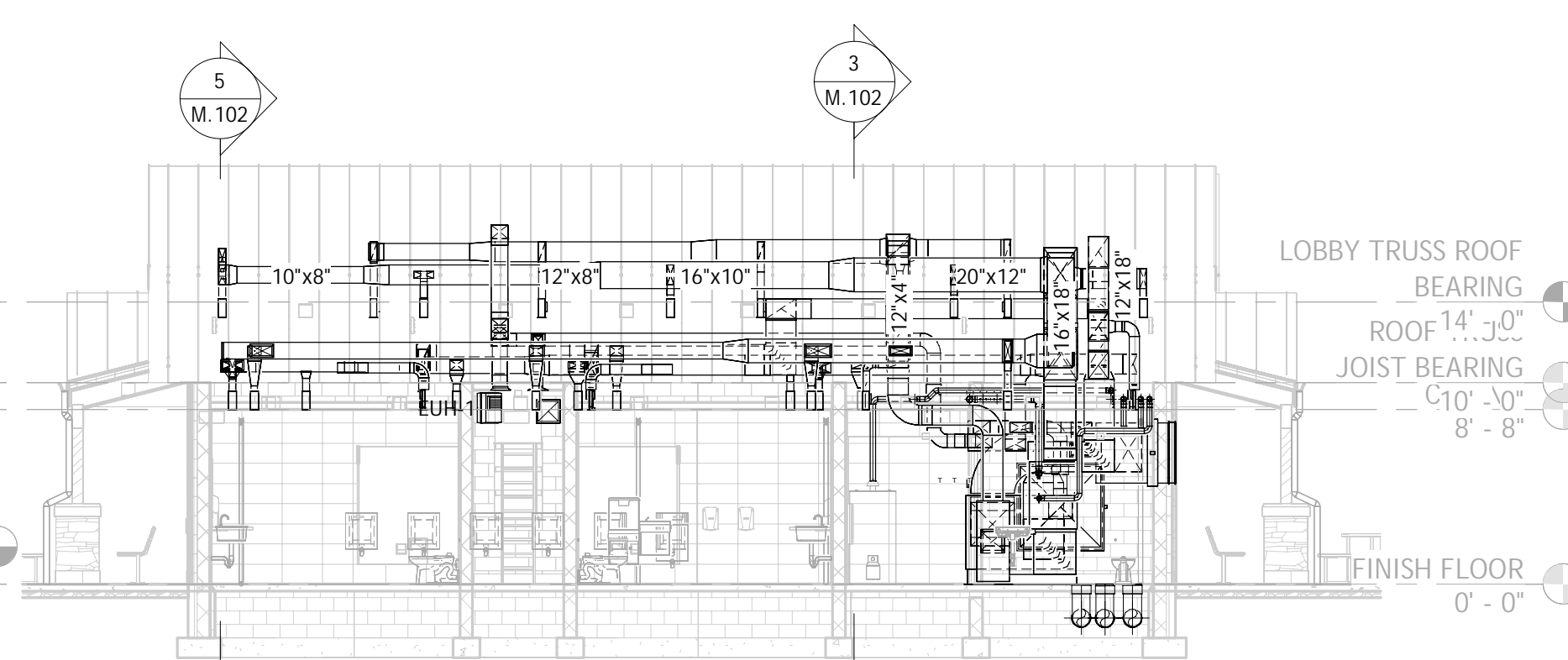
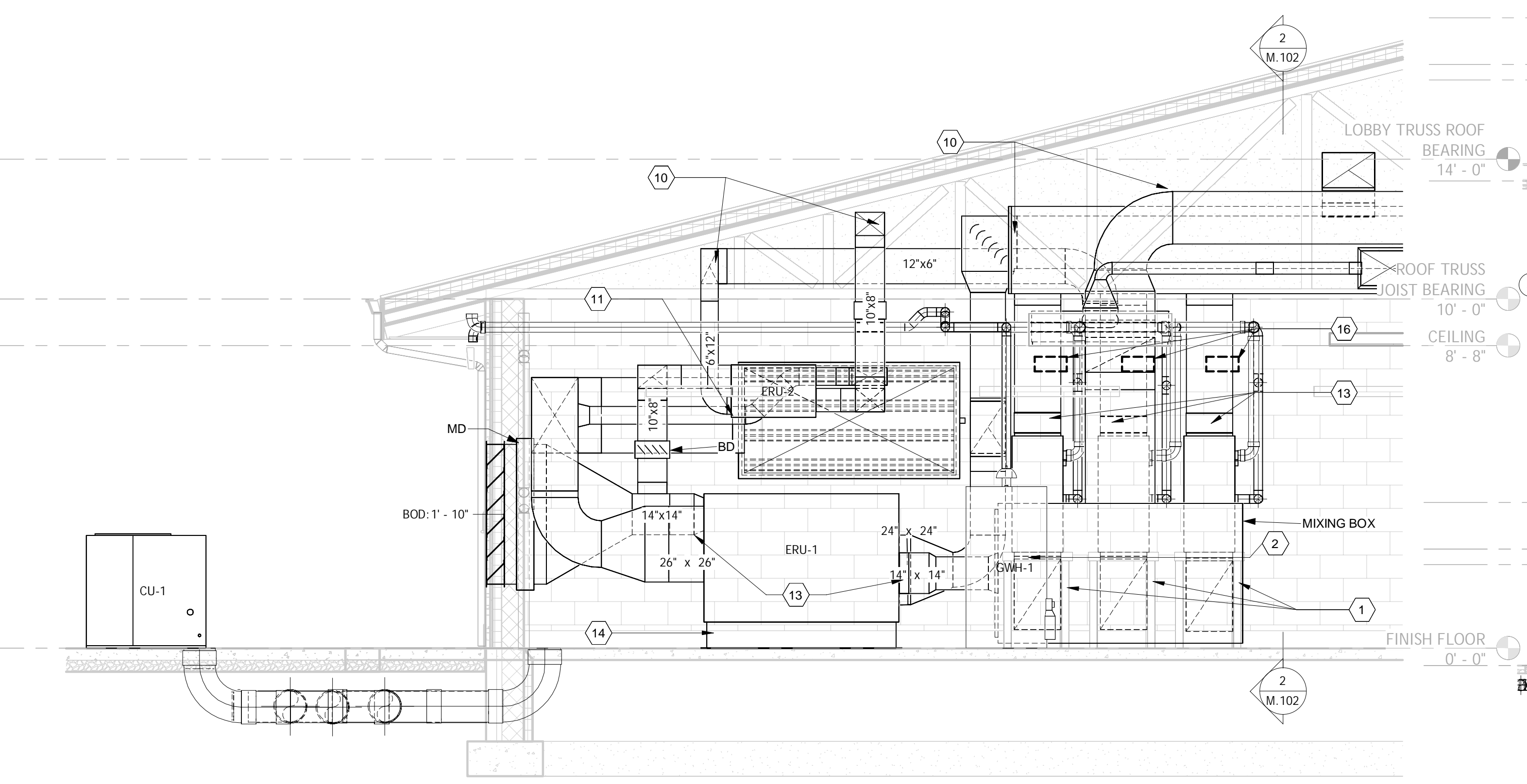
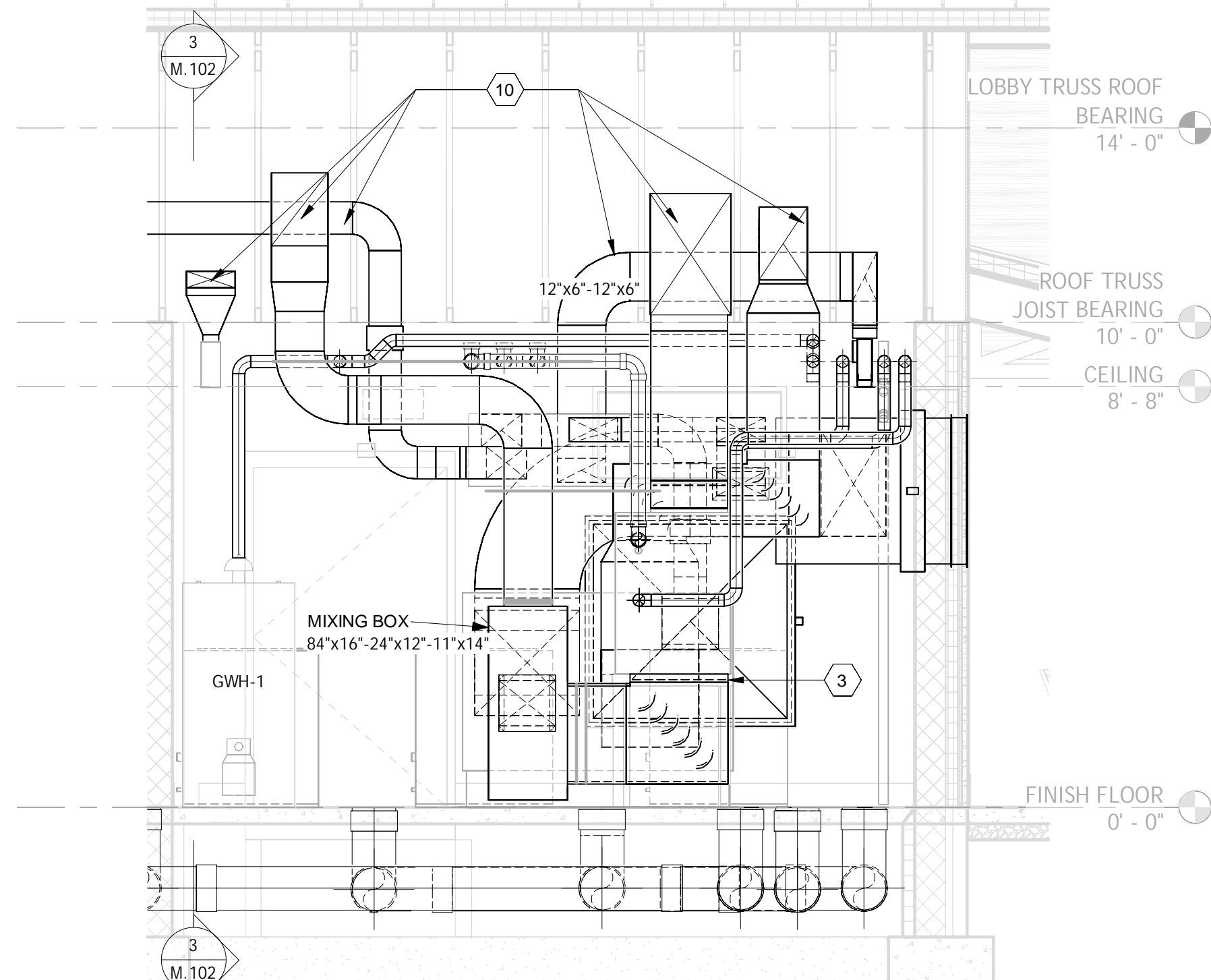
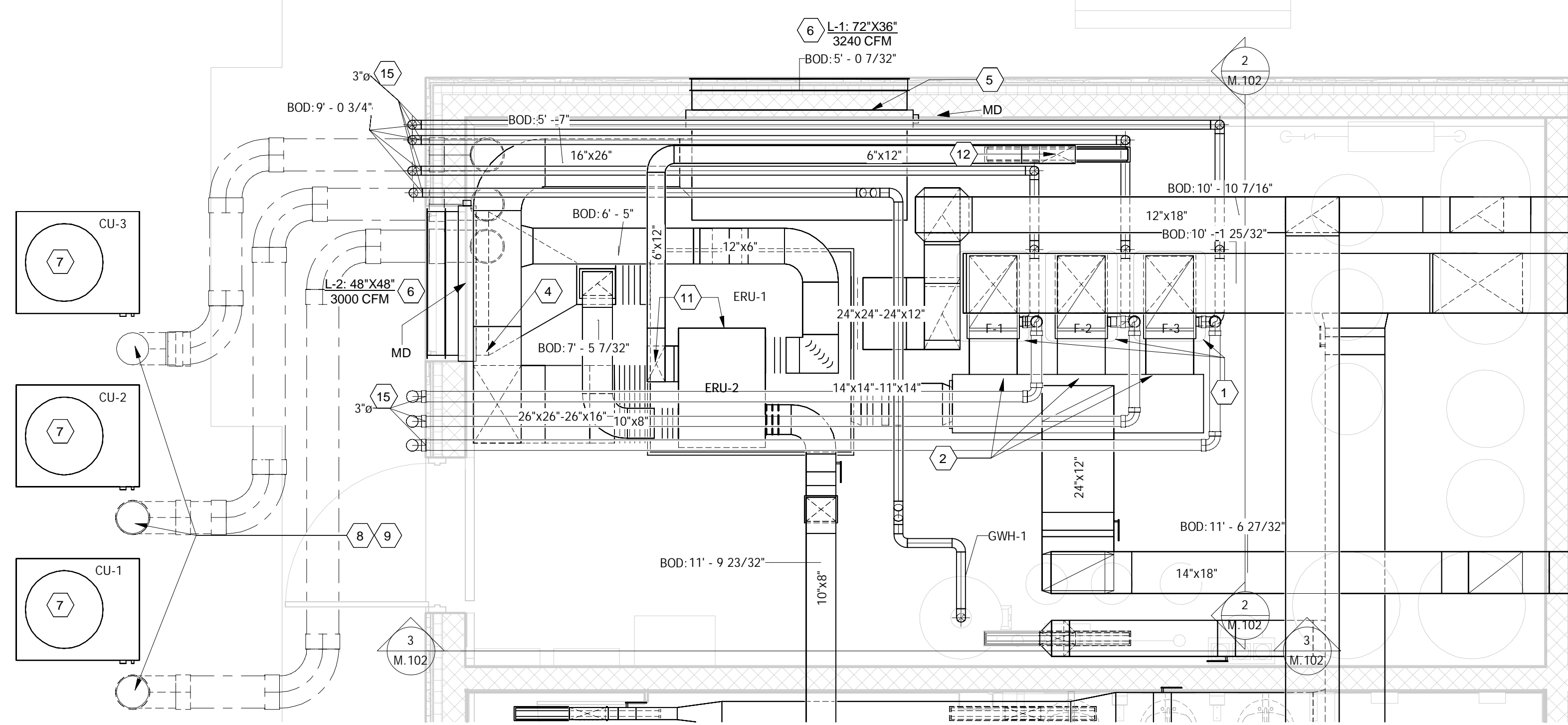
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 FIRST FLOOR MECHANICAL PLAN

PJT #:	250009
DATE:	09/18/25
DRN. BY:	HY
DGN. BY:	HY
REV. BY:	ML

SHEET
M.101

1 FIRST FLOOR MECHANICAL PLAN
 1/4" = 1'-0"

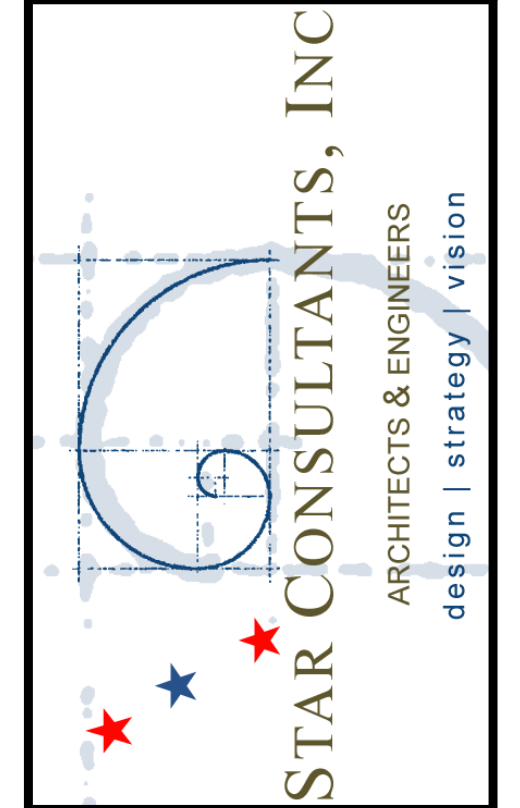
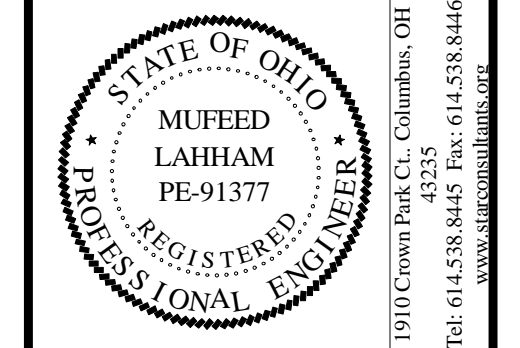




- SHEET NOTES:**
- COORDINATE ALL DUCTWORK ROUTING WITH ROOF TRUSS LAYOUT. ALL DUCTWORK RUN IN ATTIC IS TO BE RUN ABOVE BOTTOM CHORD OF TRUSSES. ALL CEILING PENETRATIONS MUST OCCUR BETWEEN TRUSSES. ALL ELEVATIONS NOTED ON DRAWING ARE FROM ABOVE FINISHED FLOOR(AFF).
 - ALL DUCTWORK CONNECTIONS FROM ERU-1 TO MIXING BOX AND RETURN AIR CONNECTIONS FROM MIXING BOX TO FURNACES SHALL BE BASED ON FIELD COORDINATION AND AS PER DETAIL 9 ON SHEET M.501.

- CODED NOTES**
- PROVIDE MIN. 1'-8" HIGH GALVANIZED STEEL ANGLE SUPPORT STAND TO SUPPORT FURNACES F-1/2/3. SEE DETAIL 9 ON SHEET M.501
 - ROUTE RETURN AIR PLENUM BELOW FURNACES. PROVIDE FURNACE SUPPORT STEEL STAND TO FULLY SUPPORT UNIT ABOVE PLENUM. PLENUM DUCTWORK MUST FIT UNDER GALVANIZED STEEL SUPPORT AND NOT BE USED TO SUPPORT FURNACE UNITS.
 - PROVIDE FILTER RACK BELOW EACH AIR HANDLER WITH ACCESS FROM FRONT.
 - PROVIDE LOUVER FULL-SIZE MOTOR-OPERATED DAMPER AND PLENUM BOX (DEPTH AS REQUIRED TO INSTALL DAMPER). TRANSITION FROM PLENUM TO DUCT AS SHOWN IN SECTION A FOR ERU-1 CONNECTION ON THIS SHEET.
 - PROVIDE LOUVER FULL-SIZE MOTOR-OPERATED DAMPER AND PLENUM BOX (DEPTH AS REQUIRED TO INSTALL DAMPER). TRANSITION FROM PLENUM TO DUCT AS SHOWN IN SECTION A AND B ON THIS SHEET.
 - WALL MOUNTED LOUVER. COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECTURAL ELEVATION DRAWINGS.
 - CONDENSING UNIT SET ON 4" CONCRETE HOUSEKEEPING PAD. LOCATION SHOWN FOR REFERENCE ONLY. FIELD COORDINATE EXACT LOCATION TO FIT WITH NEW LANDSCAPE DESIGN. CONDENSER SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM INTAKE LOUVER L-1.
 - PROVIDE AND INSTALL 10" DIA. SCH. 40 PVC PIPING CONDUIT (WITH 10 SWEEP ELBOWS) FROM THE CONDENSER UNIT PAD TO INSIDE BUILDING. EXTEND CONDUIT UP ABOVE CONDENSING UNIT PAD A MIN. OF 3" AND SEAL PENETRATION WEATHER-TIGHT (TYP. AT EACH PEN). PROVIDE PIPE SLEEVE FOR CONDUIT AT EXTERIOR WALL FOUNDATION. ROUTE REFRIGERANT LINE SET(S) IN PIPING CONDUIT AND SEAL ALL PENETRATIONS WEATHER-TIGHT. PROVIDE INSULATION ON BOTH LINES THROUGHOUT THE CONDUIT.
 - ROUTE REFRIGERANT PIPING FROM CU-1/2/3 TO F-1/2/3 AND PROVIDE ALL ACCESSORIES REQUIRED PER MANUFACTURERS RECOMMENDATIONS.
 - ROUTE DUCTWORK TO ABOVE CEILING, ENSURING TO COORDINATE CEILING PENETRATION WITH ROOF TRUSSES.
 - DROP EXHAUST DUCT DOWN BELOW CEILING AND KEEP AS HIGH AS POSSIBLE. SUPPORT ERU-2 BELOW CEILING WITH STEEL ANCHORS OR CEILING MOUNT AT 6'-7" AFF.
 - INCLUDE MANUAL BALANCE DAMPER AT TAKEOFF TO EXHAUST DIFFUSER IN THIS ROOM.
 - PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCTWORK CONNECTING TO MECHANICAL EQUIPMENT
 - MOUNT ERU-1 ON A 4" HIGH CONCRETE HOUSEKEEPING PAD.
 - PROVIDE WIRE MESH AT ELBOWS AND INSTALL AS PER MANUFACTURERS RECOMMENDATION.
 - SUPPLY AIR PURIFIER. UNIT SHALL BE HALO-LED BY RGF OR APPROVED EQUAL. 120V UV LIGHT, PROVIDED WITH 120V-24V TRANSFORMER AND FAN CONTROL RELAY. INSTALL UNIT IN SUPPLY AIR DUCT ABOVE FURNACES. COORDINATE INSTALLATION WITH MANUFACTURER'S INSTRUCTIONS AND ELECTRICAL CONTRACTOR.

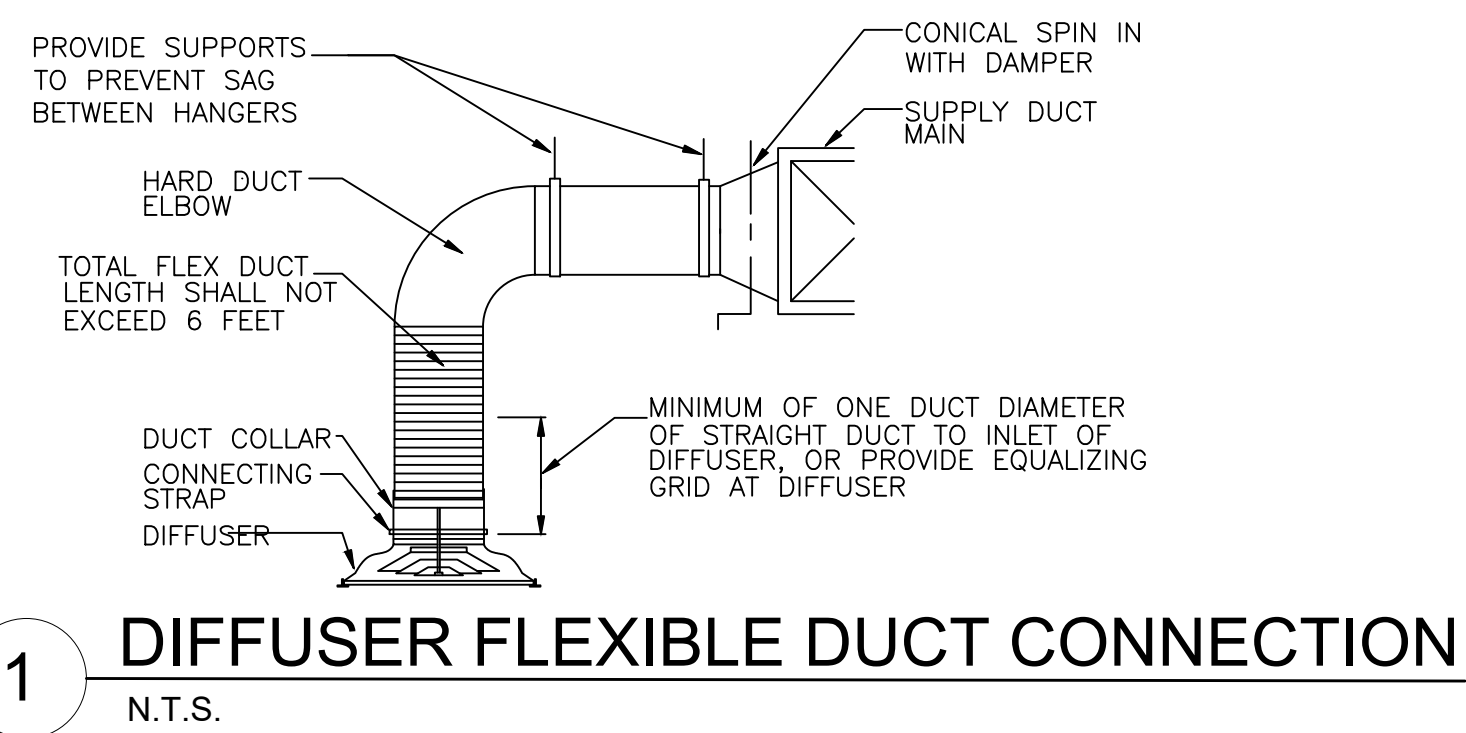
REV.	DATE	REMARKS
1	12/09/2023	ADD RESPONSE
2	02/04/2026	BID SET



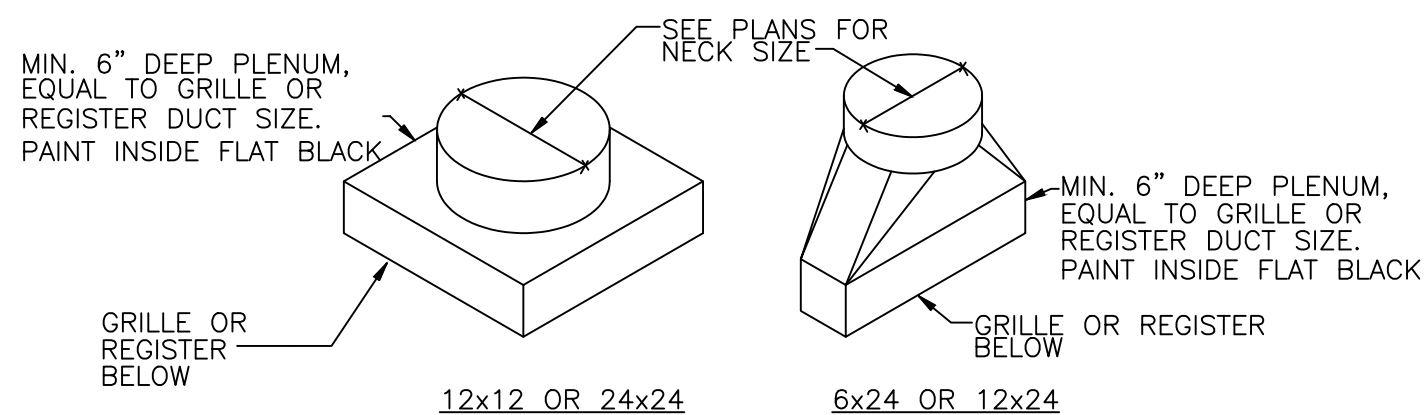
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
MECHANICAL SECTION PLANS

PJT #:	250009
DATE:	09/24/25
DRN. BY:	HY
DGN. BY:	HY
REV. BY:	ML

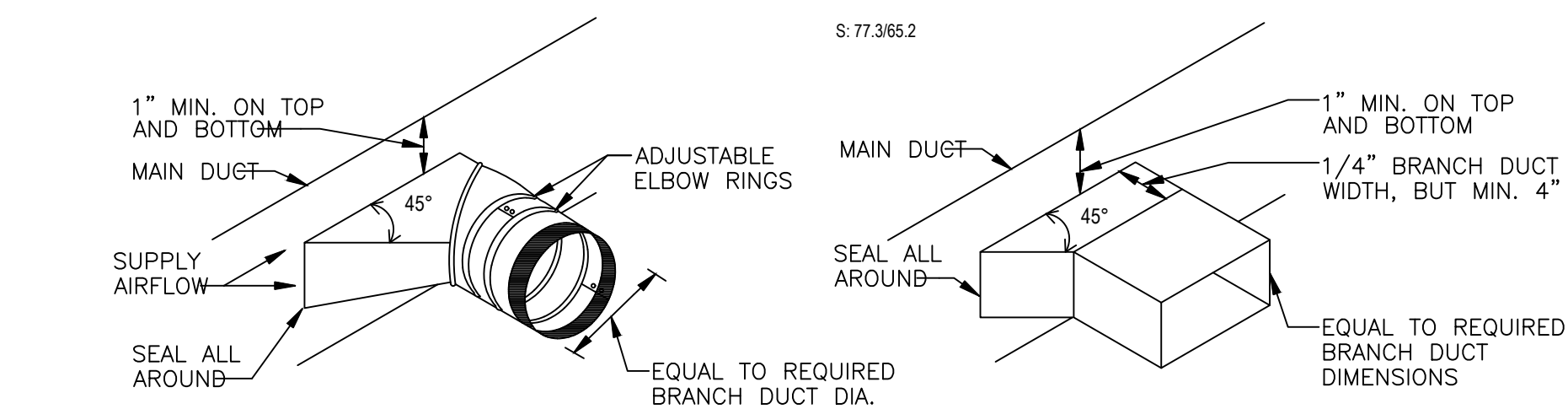
SHEET
M.102



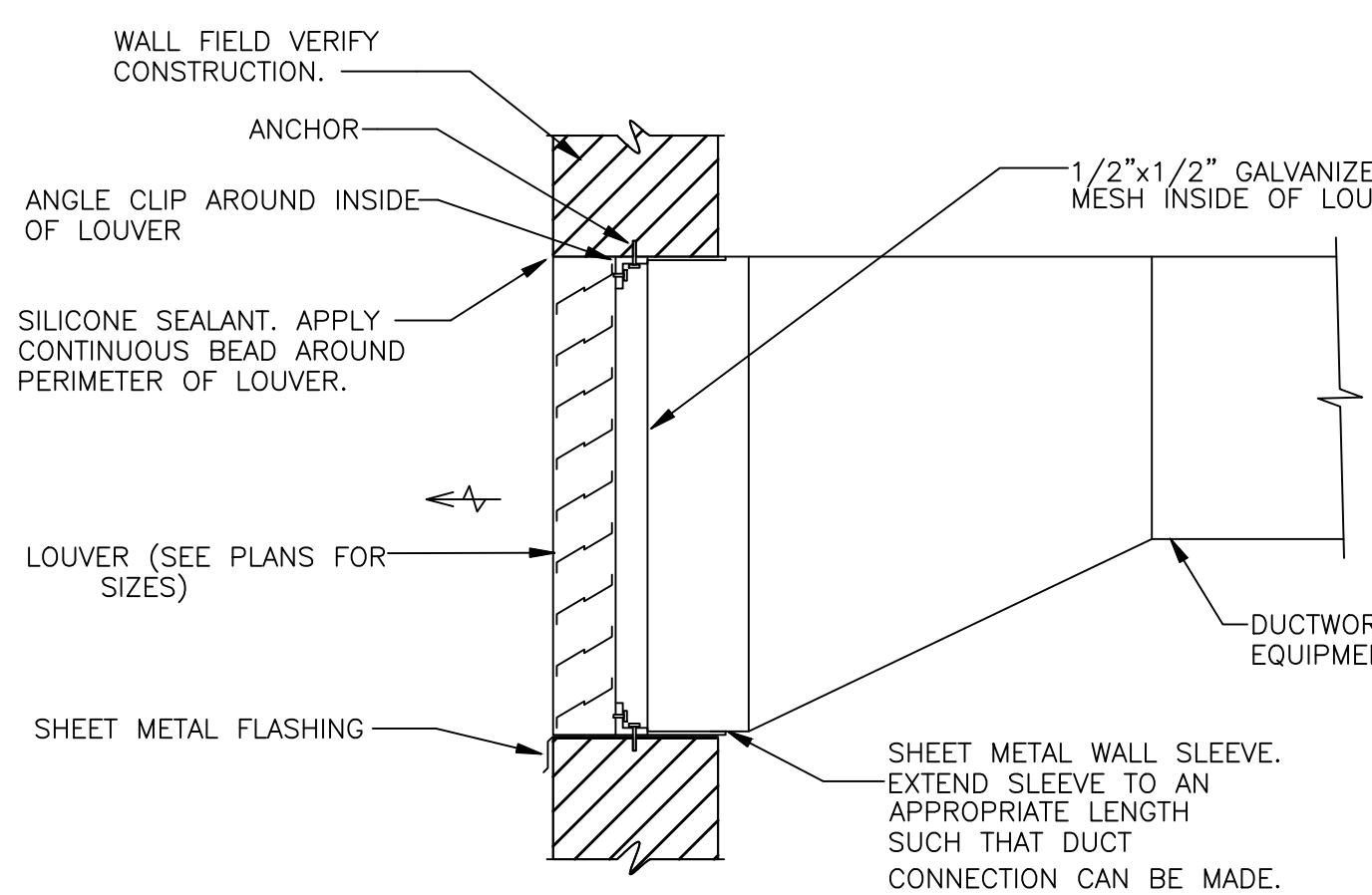
1 DIFFUSER FLEXIBLE DUCT CONNECTION
N.T.S.



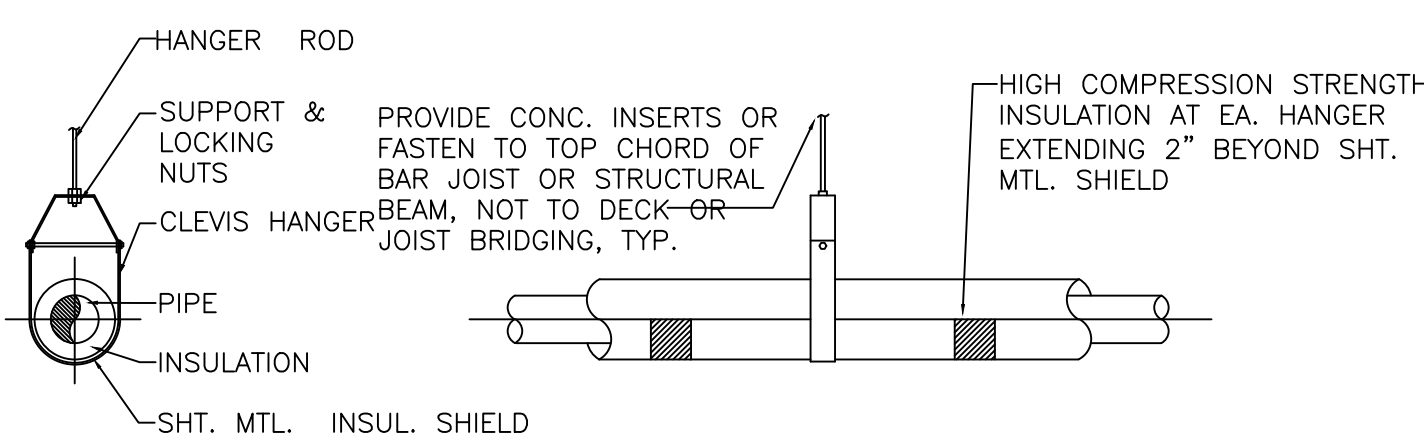
2 GRILLE & REGISTER BOOT DETAIL
N.T.S.



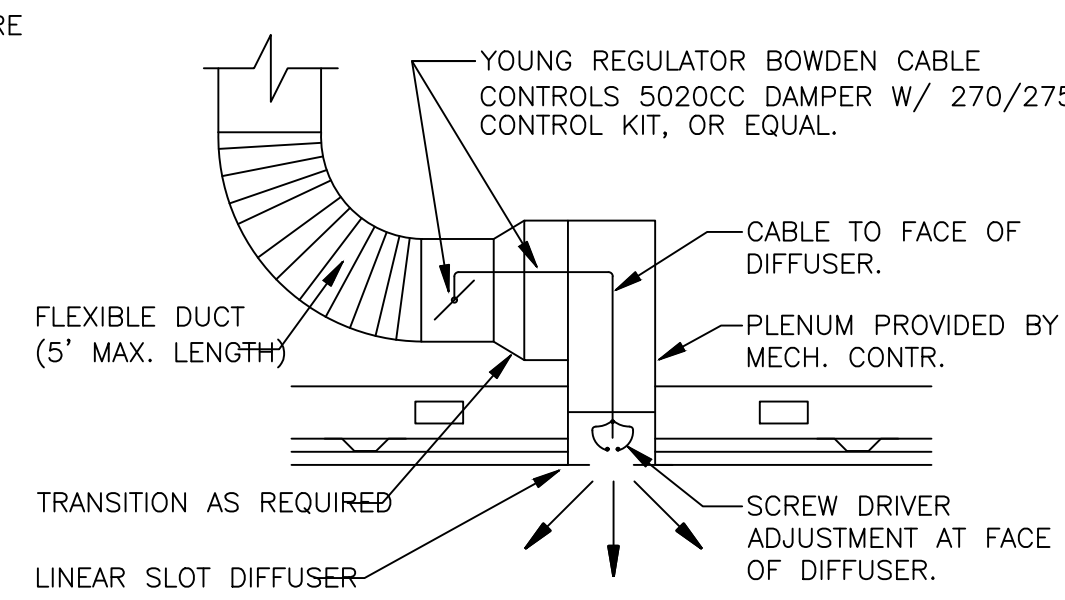
3 TYPICAL BRANCH TAKEOFF FITTING DETAIL
N.T.S.



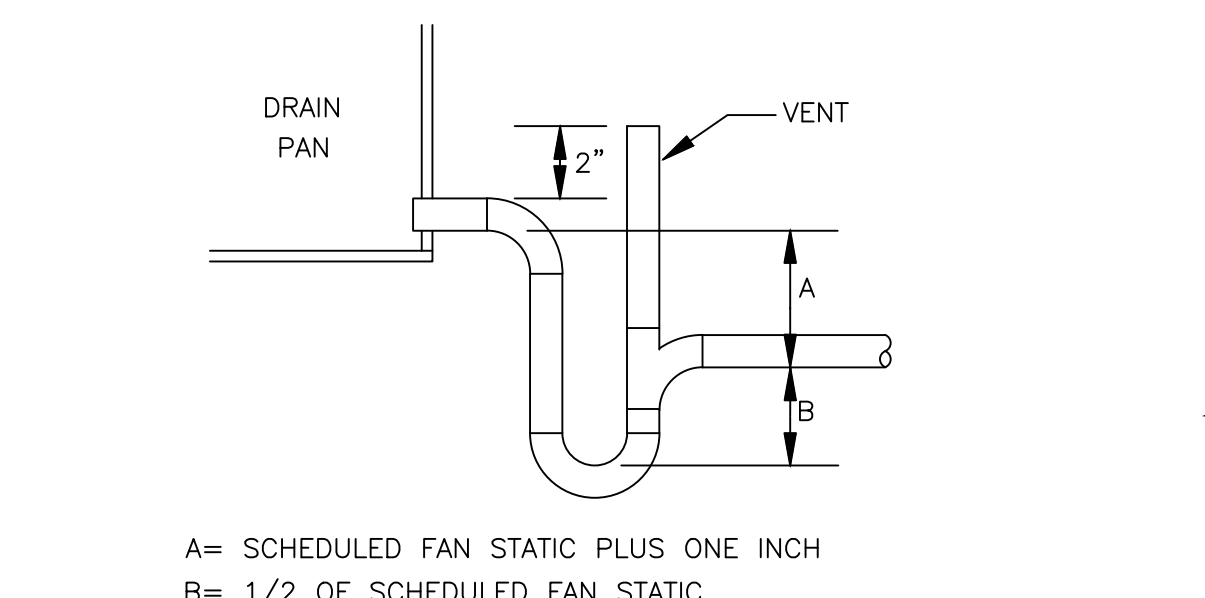
4 LOUVER ASSEMBLY DETAIL
N.T.S.



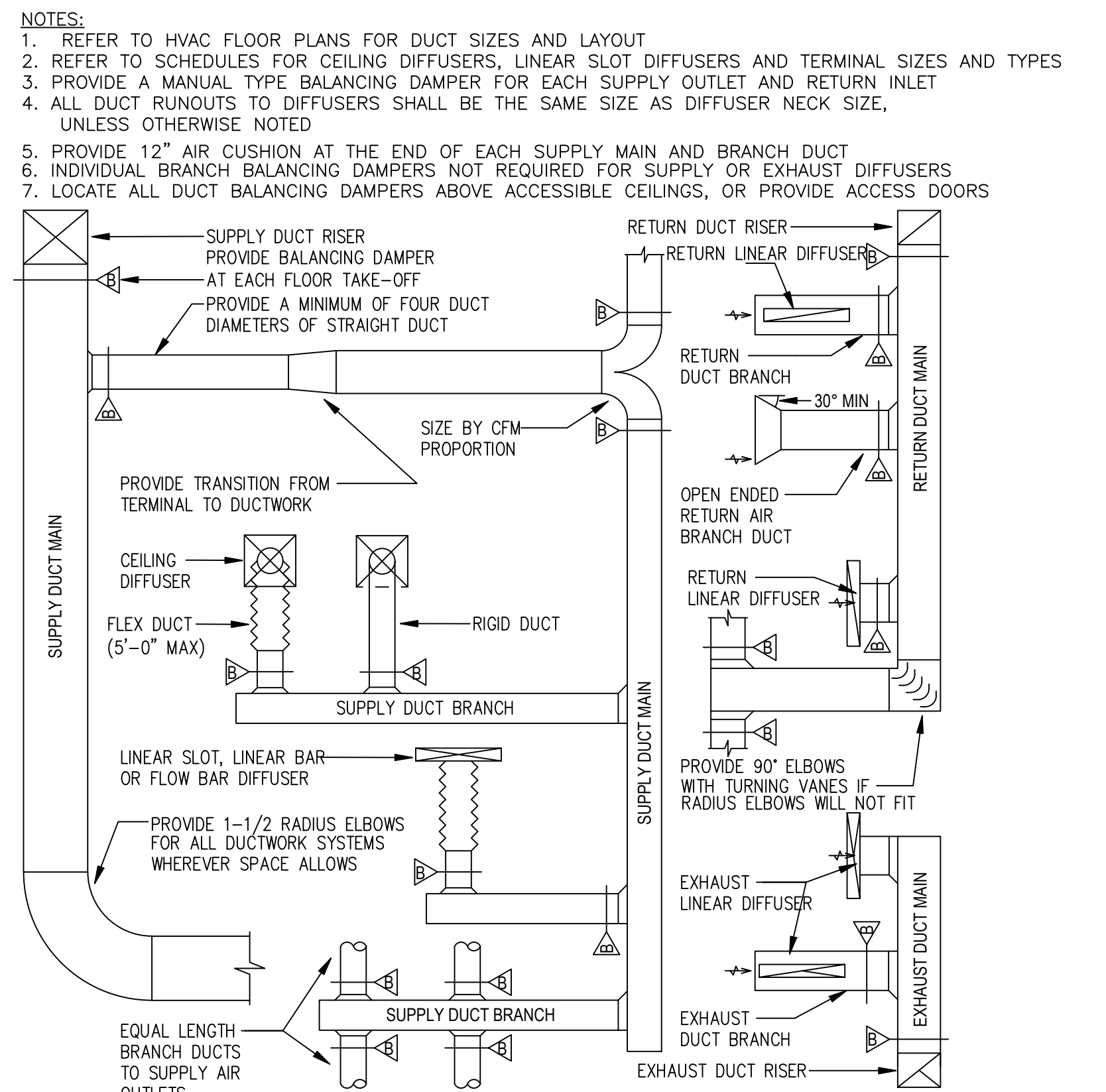
5 TYPICAL REFRIGERANT PIPE HANGING DETAIL
N.T.S.



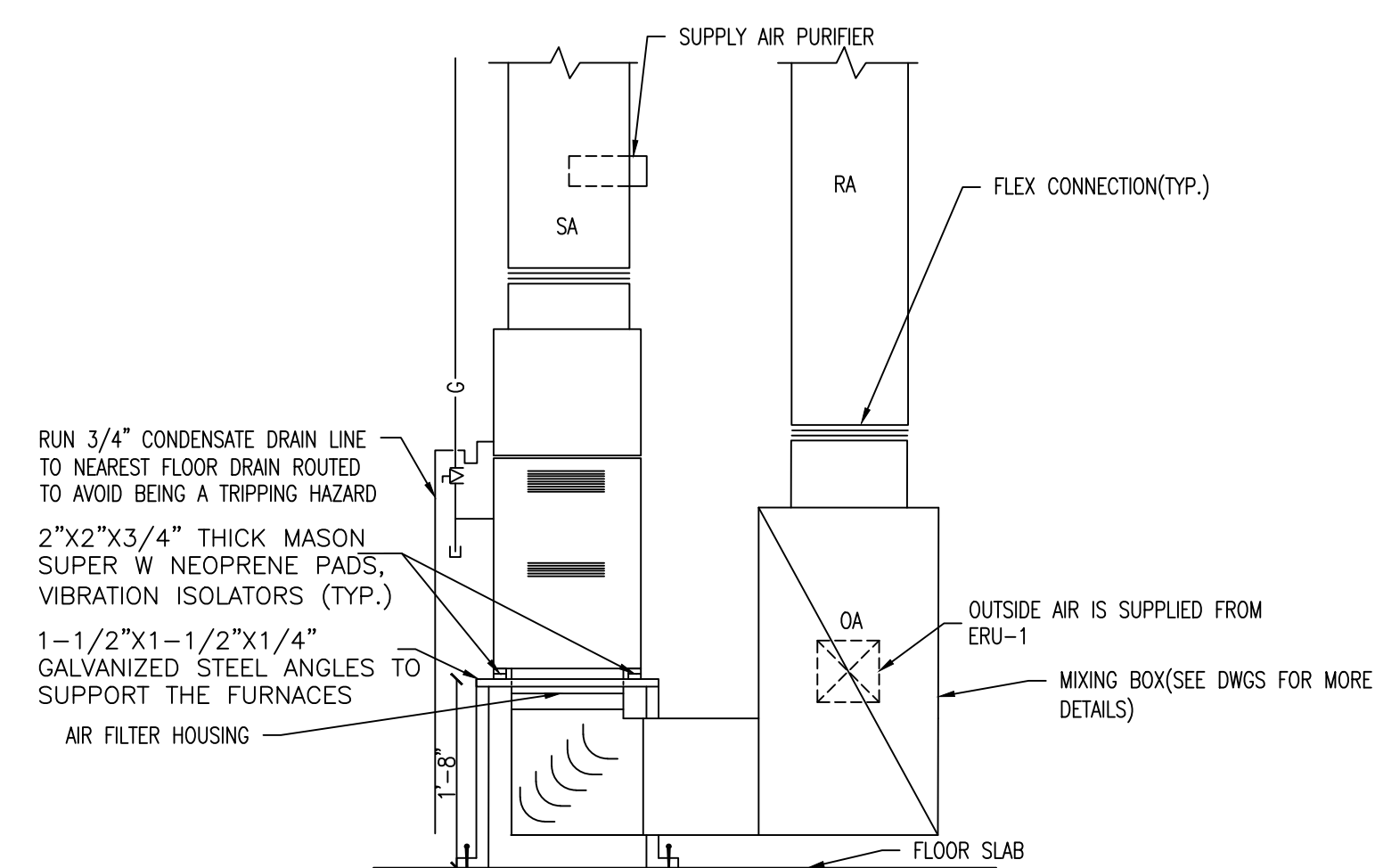
6 LINEAR DIFFUSER DETAIL
N.T.S.



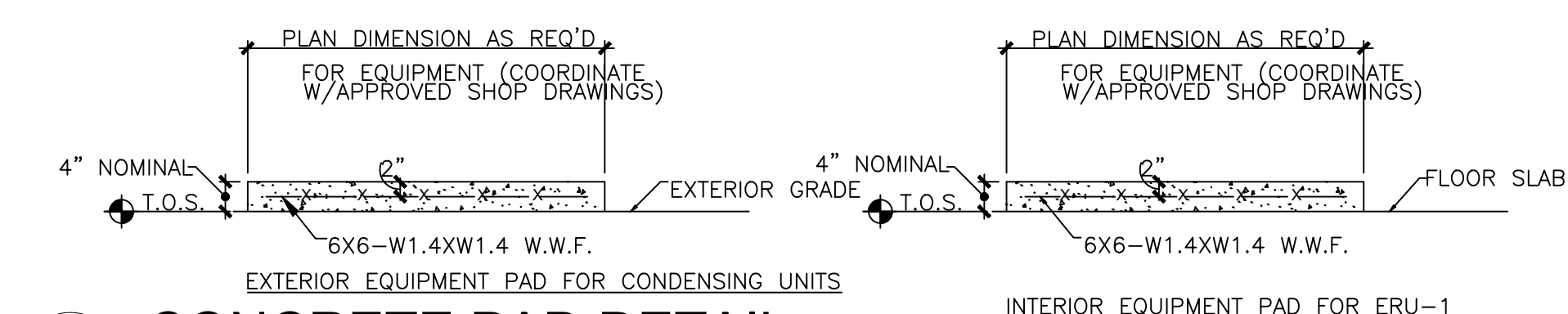
7 COIL CONDENSATE DRAIN DETAIL
N.T.S.



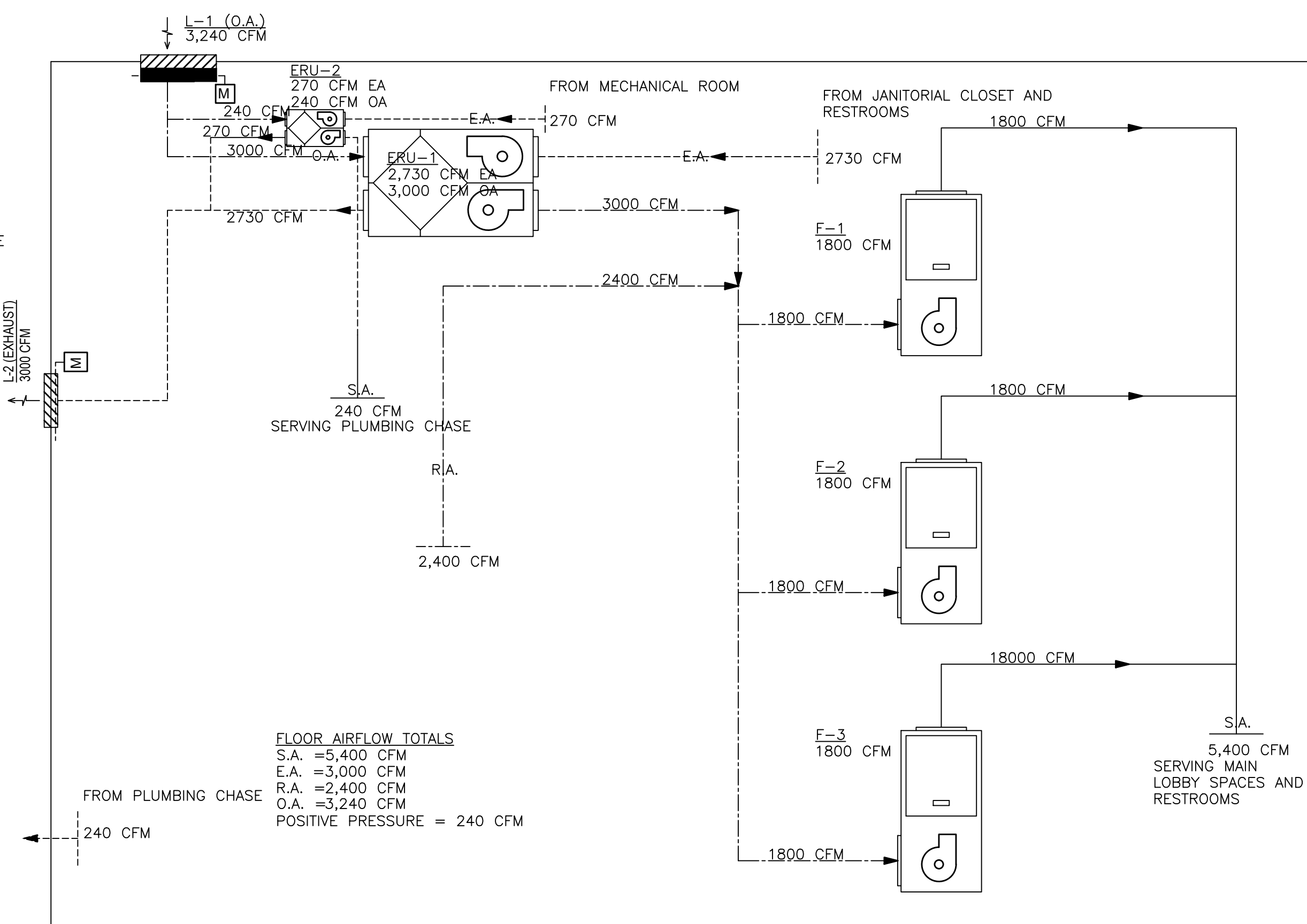
8 DUCTWORK INSTALLATION DIAGRAM(TYPICAL)
N.T.S.



9 FURNACE DETAIL
N.T.S.



10 CONCRETE PAD DETAIL
N.T.S.



11 AIRFLOW SCHEMATIC
N.T.S.

SEQUENCE OF OPERATION:

A. SEQUENCE OF OPERATION FOR FURNACES:

- FURNACE SYSTEMS (F1, F-2, F-3) STARTUP.
THE FURNACE SYSTEMS SHALL BE ENABLED BY A 7-DAY PROGRAMMABLE THERMOSTATS, TO MAINTAIN SPACE TEMPERATURE SETPOINT.
- UNOCCUPIED MODE FOR FURNACES.
WHEN THE FACILITY IS UNOCCUPIED MODE AS SENSED BY OCCUPANCY SENSORS IN BOTH THE RESTROOMS AND GENERAL AREA, THE SYSTEM SHALL BE IN UNOCCUPIED MODE.
- OCCUPIED MODE FOR FURNACES.
PROGRAMMABLE THERMOSTAT SHALL ENABLE THE FURNACES TO RUN IN SEQUENCE. SUPPLY FAN OF ALL FURNACES SHALL START AND RUN CONTINUOUSLY.
PROGRAMMABLE THERMOSTAT SHALL CONTROL DIRECT EXPANSION COIL OF ALL FURNACES IN SEQUENCE TO MAINTAIN SPACE TEMPERATURE OF 75 DEGREES F (ADJUSTABLE) IN SUMMER.
PROGRAMMABLE THERMOSTAT SHALL CONTROL HEATING COIL OF ALL FURNACES TO MAINTAIN SPACE TEMPERATURE OF 72 DEGREES F (ADJUSTABLE) IN WINTER.

B. SEQUENCE OF OPERATION FOR ENERGY RECOVERY UNITS ERU-1 AND ERU-2:

- THIS IS 24/7 FACILITY, THE FURNACES F-1, F-2, F-3 WITH THEIR CONDENSING UNITS CU-1, CU-2, CU-3 ARE INTER LOCKED WITH ERU-1.
- ENERGY RECOVERY UNITS ERU-1, ERU-2 SHALL RUN CONTINUOUSLY.

FIELD COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.

REV#	DATE	REMARKS
1	12/09/2025	ADD RESPONSE
2	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
MECHANICAL DETAILS

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	HY
DGN. BY:	HY
REV. BY:	ML

SHEET
M.501

FURNACE SCHEDULE																				
UNIT TAG	MANUFACTURER	MODEL	LOCATION	ARRANGEMENT	DESIGN CFM	HEATING INPUT MBH	HEATING OUTPUT MBH	AIR TEMP. RISE °F	AFUE %	E.S.P. (IN. WG)	EVAPORATOR COIL			ELECTRICAL					NOTES	
											MODEL	TONS	EAT DB/WB °F	NET COOLING CAPACITY / TOTAL SENSIBLE MBH	MCA	MOC	VOLTAGE	PHASE		HZ
F-1	TRANE	S9X2D120U5PSBA	MECHANICAL ROOM	UPFLOW	1800	120	116.4	40-70	95	0.5	5TXCD010AS3HCA	5	78/66.1	53.394/39.37	10.0	15.0	115	1	60	1-6
F-2	TRANE	S9X2D120U5PSBA	MECHANICAL ROOM	UPFLOW	1800	120	116.4	40-70	95	0.5	5TXCD010AS3HCA	5	78/66.1	53.394/39.37	10.0	15.0	115	1	60	1-6
F-3	TRANE	S9X2D120U5PSBA	MECHANICAL ROOM	UPFLOW	1800	120	116.4	40-70	95	0.5	5TXCD010AS3HCA	5	78/66.1	53.394/39.37	10.0	15.0	115	1	60	1-6

NOTES – FURNACE:

- 2-STAGE HEATING. UNIT IS SERVED BY PROPANE GAS.
- 1-5/8" GAS CONNECTION.
- PROVIDE 20x16 MERV-8 FILTER.
- DIRECT DRIVE MOTOR.
- USE VENT KIT PROVIDED BY MANUFACTURER.

OUTDOOR CONDENSING UNITS SCHEDULE																			
UNIT TAG	MANUFACTURER	MODEL	LOCATION	INDOOR UNIT	NOMINAL TONS	COOLING CAPACITY TOTAL/SENSIBLE (MBH)		COOLING EFF. @ AHRI CONDITIONS EER/SEER		NO. OF CIRCUITS	REFRIGERANT	DESIGN OUTDOOR AIR TEMP DB(F)	ELECTRICAL DATA					UNIT WEIGHT (LBS)	REMARKS
						FAN HP	MCA	MOC	VOLTAGE				PH	HZ					
CU-1	TRANE	5TTR7060A1000A	OUTDOOR	F-1	5	53.394/39.37	11.5/16.5	1	R-454B	95	1/2	43.0	2.3	208	1	60	226	1 - 5	
CU-2	TRANE	5TTR7060A1000A	OUTDOOR	F-2	5	53.394/39.37	11.5/16.5	1	R-454B	95	1/2	43.0	2.3	208	1	60	226		
CU-3	TRANE	5TTR7060A1000A	OUTDOOR	F-3	5	53.394/39.37	11.5/16.5	1	R-454B	95	1/2	43.0	2.3	208	1	60	226		

NOTES – OUTDOOR CONDENSING UNITS:

- UNIT MOUNTED POWER CONNECTION W/ DISCONNECT SWITCH.
- PROVIDE SPRING ISOLATORS.
- PROVIDE LOW AMBIENT CONTROL.
- MOUNT ON 4" CONCRETE PAD.
- PROVIDE HAIL GUARD.

ENERGY RECOVERY UNITS SCHEDULE																													
UNIT TAG	MANUFACTURER	MODEL	LOCATION	TYPE	COOLING DESIGN HEAT EXCHANGER				HEATING DESIGN HEAT EXCHANGER				SUPPLY FAN				EXHAUST FAN				FILTERS				ELECTRICAL	UNIT WEIGHT (LBS)(+/- 5%)	NOTES		
					OUTDOOR AIR		EXHAUST AIR		OUTDOOR AIR		EXHAUST AIR		AIRFLOW (CFM)	EXT. STATIC PRESS. (IN. WG)	MOTOR		AIRFLOW (CFM)	EXT. STATIC PRESS. (IN. WG)	MOTOR		PRE-FILTER		MCA	MOP				VOLTAGE	PHASE
					ENTERING AIR TEMP. DB	ENTERING AIR TEMP. WB	LEAVING AIR TEMP. DB	LEAVING AIR TEMP. WB	ENTERING AIR TEMP. DB	ENTERING AIR TEMP. WB	LEAVING AIR TEMP. DB	LEAVING AIR TEMP. WB			QUANTITY	HORSE POWER			QUANTITY	HORSE POWER	TYPE	EFFICIENCY							
ERU-1	GREENHECK	ERV-45-15L	MECHANICAL ROOM	STATIC CORE	94.0 °F	76.0 °F	90.9 °F	73.9 °F	76.0 °F	0.0 °F	13.7 °F	70.0 °F	3000	0.5	1	3	2730	0.5	1	3	2" PLEATED	MERV 8	26.2	35.0	208	3	870	1 - 8	
ERU-2	GREENHECK	MINIVENT-450-VG	MECHANICAL ROOM	VARI GREEN	94.0 °F	76.0 °F	88.9 °F	72.7 °F	76.0 °F	0.0 °F	21.0 °F	70.0 °F	240	0.5	1	1/4	270	0.5	1	1/4	2" PLEATED	MERV 8	7.1	15.0	115	1	160	3 - 9	

NOTES – ENERGY RECOVERY UNITS:

- INTERLOCK WITH FURNACES F-1/2/3 FOR ERU START/STOP CONTROL AND L-1 FOR DAMPER OPEN SIGNAL.
- PROVIDE WITH "MODULATING WHEEL" FROST CONTROL.
- PROVIDE DIRTY FILTER SENSORS.
- CONTRACTOR TO PROVIDE ALL-LOW VOLTAGE WIRING.
- PROVIDE WITH FACTORY-INSTALLED VFD'S FOR EACH FAN.
- PROVIDE WITH INTEGRATED PROGRAMMABLE CONTROLS.
- PROVIDE WITH FACTORY-MOUNTED FIRE ALARMS.
- PROVIDE WITH FACTORY INSTALLED DISCONNECT SWITCH.
- PROVIDE WITH "TIMED EXHAUST" FROST CONTROL.

LOUVER SCHEDULE											
TAG	LOCATION	MANUFACTURER	MODEL	APPLICATION	DIMENSIONS H X W	FREE AREA (%)	CFM	PRESSURE DROP (IN. W.G.)	FREE AREA VELOCITY (FT/MIN)	DAMPER	NOTES
L-1	SEE PLANS	RUSKIN	ELC6375DAX	FURNACE OA INTAKE	72 X 36	43	3240	0.02	421	MOTORIZED	1 - 2
L-2	SEE PLANS	RUSKIN	ELBD375E	EXHAUST AIR	48 X 48	44	3000	0.02	431	MOTORIZED	1 - 2
L-3	SEE PLANS	RUSKIN	ELF6375DX	EXHAUST AIR	12 X 12	30	80	0.02	335	BACKDRAFT	-
L-4	SEE PLANS	RUSKIN	ELF6375DX	EXHAUST AIR	12 X 12	30	160	0.04	535	BACKDRAFT	-

NOTES – LOUVERS:

- POWER SUPPLY FOR MOTORIZED DAMPER SHALL BE 120V, 1-PHASE, 60 HZ.
- PROVIDE MOUNTING HARDWARE AND SUPPORT FOR MOTORIZED DAMPERS.

ELECTRIC UNIT HEATER SCHEDULE										
UNIT DATA					HEATING ELEMENTS					NOTES
TAG	LOCATION	MANUFACTURER	MODEL	TYPE	NO.	TOTAL KW	VOLTS	PHASE	AMPS	
EUH-1	PLUMBING CHASE	BERKO	HUH524TA	ELEC	1	1.8	208	1	9.0	1-2
EUH-2	PLUMBING CHASE	BERKO	HUH524TA	ELEC	1	1.8	208	1	9.0	1-2

NOTES – ELECTRIC UNIT HEATER:

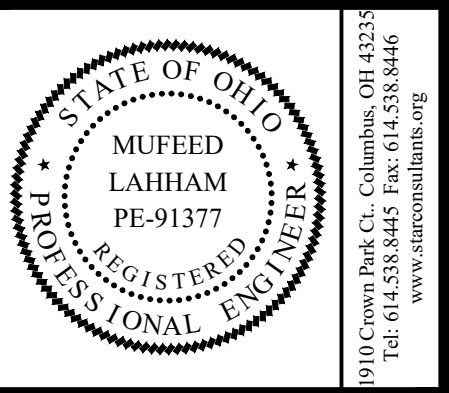
- PROVIDE DISCONNECT SWITCH.
- PROVIDE BUILT-IN THERMOSTAT.

AIR DEVICE SCHEDULE													
EXAMPLE: CD-10 300 CFM													
AIR DEVICE TYPE - CD													
NECK SIZE - 10 (Ø)													
CFM - 300 CFM													
TYPE	UNIT TAG	MANUFACTURER	MODEL	DESCRIPTION	FACE SIZE/LINEAR LENGTH	MOUNTING TYPE	FINISH	CONSTRUCTION	ACCESSORIES	SPECIFICATIONS	REMARKS		
I	CD1	TITUS	TMS	SQUARE CONE DIFFUSER - 4 WAY SUPPLY	24" x 24"	LAY IN	SEE NOTE	STEEL	NECK MOUNTED OPPOSED BLADE DAMPER	6X6 NECK SIZE WITH RECTANGULAR NECK	SEE DWGS FOR LOCATION		
J	CD2	TITUS	TMS	SQUARE CONE DIFFUSER - 4 WAY SUPPLY	24" x 24"	LAY IN	SEE NOTE	STEEL	NECK MOUNTED OPPOSE BLADE DAMPER	9X9 NECK SIZE WITH RECTANGULAR NECK	SEE DWGS FOR LOCATION		
A	SLD-1	TITUS	ML-39	LINEAR DIFFUSER WITH 1" SLOT	6' LINEAR	LAY IN	SEE NOTE	ALUMINIUM	PROVIDE MP-39 PLENUM. PROVIDE WITH YONG REGULATOR ROUND BALANCE DAMPER	1" SLOT, 1-SLOT DIFFUSER	SEE DWGS FOR LOCATION		
B	SLD-2	TITUS	ML-38	LINEAR DIFFUSER WITH 3/4" SLOT	4' LINEAR	LAY IN	SEE NOTE	ALUMINIUM	PROVIDE MP-38 PLENUM. PROVIDE WITH YONG REGULATOR ROUND BALANCE DAMPER	3/4", 2-SLOT DIFFUSER	SEE DWGS FOR LOCATION		
C	SLD-3	TITUS	ML-38	LINEAR DIFFUSER WITH 3/4" SLOT	2' LINEAR	LAY IN	SEE NOTE	ALUMINIUM	PROVIDE MP-38 PLENUM. PROVIDE WITH YONG REGULATOR ROUND BALANCE DAMPER	3/4", 2-SLOT DIFFUSER	SEE DWGS FOR LOCATION		
D	RLD-1	TITUS	MLR-39	LINEAR DIFFUSER WITH 1" SLOT	6' LINEAR	LAY IN	SEE NOTE	ALUMINIUM	PROVIDE MP-39 PLENUM. PROVIDE WITH YONG REGULATOR ROUND BALANCE DAMPER	1" SLOT, 1-SLOT DIFFUSER	SEE DWGS FOR LOCATION		
E	RLD-2	TITUS	MLR-39	LINEAR DIFFUSER WITH 1" SLOT	6' LINEAR	LAY IN	SEE NOTE	ALUMINIUM	PROVIDE MP-39 PLENUM. PROVIDE WITH YONG REGULATOR ROUND BALANCE DAMPER	1" SLOT, 1-SLOT DIFFUSER	SEE DWGS FOR LOCATION		
F	ELD-1	TITUS	MLR-38	LINEAR DIFFUSER WITH 3/4" SLOT	2' LINEAR	LAY IN	SEE NOTE	ALUMINIUM	PROVIDE MP-38 PLENUM. PROVIDE WITH YONG REGULATOR ROUND BALANCE DAMPER	3/4", 1-SLOT DIFFUSER	SEE DWGS FOR LOCATION		
G	ELD-2	TITUS	MLR-39	LINEAR DIFFUSER WITH 1" SLOT	4' LINEAR	LAY IN	SEE NOTE	ALUMINIUM	PROVIDE MP-39 PLENUM. PROVIDE WITH YONG REGULATOR ROUND BALANCE DAMPER	1" SLOT, 1-SLOT DIFFUSER	SEE DWGS FOR LOCATION		
H	ELD-3	TITUS	MLR-39	LINEAR DIFFUSER WITH 1" SLOT	4' LINEAR	LAY IN	SEE NOTE	ALUMINIUM	PROVIDE MP-39 PLENUM. PROVIDE WITH YONG REGULATOR ROUND BALANCE DAMPER	1" SLOT, 2-SLOT DIFFUSER	SEE DWGS FOR LOCATION		

NOTES:

- PAIN TO MATCH ARCHITECT'S FINISH REQUIREMENTS.

REV#	DATE	REVISIONS
1	12/09/2025	ADD RESPONSE
2	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
MECHANICAL SCHEDULES

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	HY
DGN. BY:	HY
REV. BY:	ML

SHEET
M.601

ROOM ID LIST	
NUMBER	NAME
100	PLUMBING CHASE
101	MEN'S RESTROOM
102	WOMEN'S RESTROOM
103	JANITORIAL CLOSET
104	LOBBY
105	MEN'S RESTROOM
106	MECHANICAL ROOM
107	STORAGE ROOM
108	FAMILY RESTROOM
110	PLUMBING CHASE
111	VESTIBULE
112	VESTIBULE

MINIMUM VENTILATION CALCULATION BASED ON OHIO MECHANICAL CODE 2024 AND ASHRAE 62.1

SYSTEM	AREA SERVED	OUTDOOR AIR REQUIRED PER PERSON	ZONE POPULATION		OCCUPANT DIVERSITY		OUTDOOR AIR REQUIRED PER UNIT AREA	ZONE FLOOR AREA		COMBINED OUTDOOR AIR RATE	EFF.	EXHAUST AIR REQ.	EXHAUST AIR PROVIDED	ZONE O.A REQUIRED	TOTAL AIR SUPPLIED TO ZONE	PRIMARY AIR FRACTION	UNCORRECTED OUTDOOR AIR INTAKE	SYSTEM VENTILATION EFFICIENCY	OUTDOOR AIR INTAKE FLOW RATE
UNIT TAG		Rp	Pz	(Rp)*(Pz)	D	D*(Rp)*(Pz)	Ra CFM/ FT.SQ.	Az AREA(SQFT)	(Ra)*(Az)	Vbz=D*(Rp)*(Pz)+(Ra)*(Az)	Ez (Tbl 403.3.1.1.1.2)			Voz (Vbz/Ez)	Vpz	Zp	Vou	Ev (Tbl. 3.1,1.2,3,2)	Vot = Vou/Ev
F-1, F-2 & F-3	101 MEN'S RESTROOM	0	0	0	0.8	0	0	450	0	0	0.8	490	490	0	800	0.00	0	1.00	
	102 WOMEN'S RESTROOM	0	0	0	0.8	0	0	417	0	0	0.8	420	420	0	700	0.00	0		
	103 MECHANICAL ROOM	0	0	0	0.8	0	0	383	0	0	0.8	0	270	0	240	0.00	0		
	104 LOBBY	5	18	90	0.8	72	0.06	607	36	108	0.8	0	0	136	1,000	0.14	117		
	105 MEN'S RESTROOM	0	0	0	0.8	0	0	918	0	0	0.8	1400	1400	0	1,600	0.00	0		
	106 JANITORIAL ROOM	0	0	0	0.8	0	0	329	0	0	0.8	350	350	0	240	0.00	0		
	107 STORAGE	0	0	0	0.8	0	0.06	74	4	4	0.8	50	50	6	50	0.11	4		
	108 UNISEX RESTROOM	0	0	0	0.8	0	0	105	0	0	0.8	70	70	0	50	0.00	0		
	111 VESTIBULE	0	0	0	0.8	0	0.06	172	10	10	0.8	0	0	13	360	0.04	10		
	112 VESTIBULE	0	0	0	0.8	0	0.06	164	10	10	0.8	0	0	12	360	0.03	10		
				90	0.9			3,618	61	133			3,050	166	5400		142		3192

REVISIONS		REMARKS
REV#	DATE	AHJ RESPONSE
1	12/09/2025	
2	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
MECHANICAL VENTILATION SCHEDULE

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	HY
DGN. BY:	HY
REV. BY:	ML

SHEET
M.602

GENERAL PLUMBING NOTES:

- CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS OF PIPE-WORK, MEASUREMENTS AND CONDITIONS PRIOR TO FABRICATIONS AND INSTALLATION. COORDINATE ELEVATIONS OF TOPS OF FLOOR DRAINS AND CLEANOUTS WITH OTHER TRADES. PROVIDE CLEANOUTS IN ADJACENT NEAR AREA TO SANITARY LINE. CLEANOUTS ARE NOT PERMITTED IN MAIN CORRIDOR.
- THE CONTRACTOR TO FIELD VERIFY EXISTING SANITARY AND STORM LINE INVERT ELEVATIONS AND VERIFY PROPOSED INVERT ELEVATIONS. COORDINATE WITH OTHER DISCIPLINES/TRADES.
- PIPING LAYOUT SHOWN ON DRAWINGS IS SCHEMATIC. EXACT LOCATIONS OF PIPE TO BE DETERMINED WITH FULL COORDINATION OF OTHER DISCIPLINES/TRADES.
- THE PLUMBING SYSTEM INSTALLATION TO BE IN ACCORDANCE WITH FEDERAL GUIDELINES, NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTING (IF APPLICABLE), THE STATE PLUMBING CODE, LATEST OPC STANDARDS, ALL LOCAL CODES, AND THE LOCAL CODE OFFICIAL HAVING JURISDICTION.
- ALL UNDERGROUND PIPING TO BE INSTALLED IN A MANNER THAT WOULD NOT UNDERMINE BUILDING FOUNDATIONS. CONTRACTOR TO IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER UPON IDENTIFYING ANY POTENTIAL CONFLICT.
- INSTALL ALL COLD AND HOT WATER SUPPLY PIPES ABOVE THE CEILINGS AS PER PLANS. PIPING SHALL BE INSTALLED LEVEL AND PLUMB.
- ALL COLD & HOT WATER PIPING TO BE INSULATED.
- PROVIDE SHOCK ABSORBERS AT END RUN OF WATER SUPPLY LINES AND NEAR QUICK CLOSING EQUIPMENT AND FIXTURE VALVES TO ELIMINATE WATER HAMMER.
- PROVIDE TRAP PRIMERS WITH LINES BELOW FLOOR TO DIRECT-DRAIN FLOOR DRAINS. MECHANICAL TRAP SEALS CAN BE USED AS PER APPROVED SUBMITTALS.
- PROVIDE CLEANOUTS AT NO MORE THAN FIFTY (50) FEET APART IN HORIZONTAL SANITARY DRAINAGE LINES OF 4 INCH SIZE OR LESS AND NOT MORE THAN 100 FEET APART FOR LARGER SIZE PIPES.
- PROVIDE CLEANOUTS AT EACH CHANGE OF DIRECTION GREATER THAN 45° IN THE BUILDING DRAIN LINES.
- ALL PLUMBING FIXTURES TO BE EQUIPPED WITH STOP VALVES IN ACCESSIBLE LOCATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL PIPING AND FITTINGS NECESSARY TO INSTALL A COMPLETE PLUMBING SYSTEM AND RELATED PIPING TO OTHER TRADES.
- ALL SANITARY/ DRAINAGE LINES 2-1/2" N.P.S. AND LARGER WITHIN BUILDING SHALL SLOPE 1/8 INCH PER FOOT UNLESS OTHERWISE NOTED. ALL SANITARY/ DRAINAGE LINES 1-1/2" AND 2" NPS WITHIN BUILDING SHALL SLOPE 1/4 INCH PER FOOT MINIMUM UNLESS OTHERWISE NOTED. SLOPES SHALL BE CALCULATED ON FIELD TO MAKE PROPER CONNECTIONS TO THE EXISTING SANITARY/DRAINAGE PIPES SHOWN ON PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY PROVIDERS, I.E. (ELECTRIC, GAS, SANITARY SEWER, STORM SEWER, WATER, ETC). FOR LOCATION AND INSTALLATION INFORMATION TO DETERMINE THE COST OF THE PLUMBING SERVICE INSTALLATIONS, AND SHALL INCLUDE COORDINATION WITH ALL REQUIRED WIRE, CONDUIT, TRANSFORMERS, GAS LINES, SANITARY SEWER LINES, STORM SEWER LINES, TRENCHING, TAPS, METERS, AIDS TO CONSTRUCTION, PERMITS, FEES, ETC, TO INCLUDE IN HIS BID.
- ALL PLUMBING LINES SHALL BE INSTALLED/ ROUTED ABOVE CEILING WHEREVER POSSIBLE. AT PLACES WITH NO DROP DOWN CEILING, PLUMBING LINES SHALL BE ROUTED CLOSE TO THE CEILING (AS CLOSE AS POSSIBLE) AND ALONG WALL. ANY EXCEPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND A/E.
- ALL PIPING SHALL BE PROVIDED WITH PIPE IDENTIFICATION MARKERS AS PER SPECIFICATION SECTION 220553. ALL GAS PIPING SHALL BE PAINTED PER ANSI/ASME A 13.1 STANDARDS. PAINTING INCLUDES FIELD PAINTING OF NON-GALVANIZED EXPOSED STEEL AND ONLY IRON WORK SUCH AS SUPPORTS, RODS, HANGERS, BOLTS, NUTS, BASE STEEL WHICH HAS NOT BEEN FACTORY COATED OR WHICH HAS SUFFERED FROM EXPOSURE (EXCEPT METAL BRASS VALVES AND FINISHED PARTS), INCIDENTAL ITEMS AND FIELD TOUCH UP OF FACTORY PAINTED EQUIPMENT. ALL PATCHWORK ASSOCIATED WITH DEMOLITION OR NEW WORK SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
- UNDERGROUND SANITARY WASTE PIPING PVC DWV SCHEDULE 40, ASTM D 2665 OR ABS DWV ASTM D 2661 MAY BE USED UPON APPROVAL BY ARCHITECT/ ENGINEER. PROVIDE SOLVENTS/ CEMENTS AS RECOMMENDED BY MANUFACTURER. PLASTIC PIPING SHALL NOT BE INSTALLED IN CEILING SPACES USED FOR RETURN AIR PLENUMS. PLASTIC PIPING IS NOT PERMITTED WHERE IT MAY BE VULNERABLE TO PHYSICAL DAMAGE, AND MAY NOT BE RUN WHERE EXPOSED. COORDINATE WITH LOCAL AUTHORITIES FOR DRAINAGE REQUIREMENTS FOR EQUIPMENT DESIGNATED WITH INDIRECT WASTE TO FLOOR DRAINS OR MOP SINKS. PROVIDE PIPED DRAIN TO SANITARY IF REQ'D BY LOCAL JURISDICTION.
- IN ADDITION TO THESE NOTES, CONTRACTOR SHALL ALSO REFER TO PLUMBING SPECIFICATIONS DIVISION-22. IF INSTRUCTIONS/INFORMATION AT BOTH PLACES DIFFER FROM EACH OTHER, CONTRACTOR SHALL FOLLOW THE MORE STRINGENT REQUIREMENT AND SHALL BRING IT TO THE ATTENTION OF A/E.

PLUMBING ABBREVIATIONS

NOTE: ALL ABBREVIATIONS SHOWN HERE MAY NOT APPEAR IN SUBSEQUENT DRAWINGS.

AB	ABOVE	HVAC	HEATING/ VENTILATION/ AIR CONDITIONING
AD	AREA DRAIN	HW	HOT WATER
AF	ANTIFREEZE	HWH	HOT WATER HEATER
AFF	ABOVE FINISHED FLOOR	HWR	HOT WATER RETURN
AFG	ABOVE FINISHED GRADE	HZ	HERTZ
AIR-D	AIR DROP	IN	INCH(ES)
ALT	ALTERNATE	INV	INVERT
AP	ACCESS PANEL	JR	JANITOR
APX	APPROXIMATE	L	LONG OR LENGTH
ARCH	ARCHITECT	LAV	LAVATORY
ATF	AUTOMATIC TRANSMISSION FLUID	LP	LOW PRESSURE
AWC	ACCESSIBLE WATER CLOSET	MAX	MAXIMUM
BEL	BELOW	MECH	MECHANICAL
BFG	BELOW FINISHED GRADE	MFR	MANUFACTURER
BFP	BACKFLOW PREVENTER	MH	MANHOLE
BLDC	BUILDING	MIN	MINIMUM
BTM	BOTTOM	MP	MEDIUM PRESSURE
CA	COMPRESSED AIR	MT	MOUNT
CAP	CAPACITY	MTD	MOUNTED
CB	CATCH BASIN	MTG	MOUNTING
CI	CAST IRON	MTL	METAL
CIRC	CIRCULATING	N	NORTH
CLG	CEILING	NC	NORMALLY CLOSED
CLR	CLEARANCE	NO.	NORMALLY OPEN OR NUMBER
CO	CLEAN OUT	NPS	NOMINAL PIPE SIZE
CONC	CONCRETE	N.T.S.	NOT TO SCALE
COND	CONDENSATION	OC	ON CENTER
CONN	CONNECT OR CONNECTION	OD	OUTSIDE DIAMETER
CONT	CONTINUATION	OPC	OHIO PLUMBING CODE
CONTR	CONTRACTOR	OPNG	OPENING
COORD	COORDINATE	P	PUMP
CU	COPPER	PC	PLUMBING CONTRACTOR
CW	COLD WATER	PD	PUMP DISCHARGE
D	DRAIN	PG	PROPANE GAS
DCW	DOMESTIC COLD WATER	PLBG	PLUMBING
DEPT	DEPARTMENT	PNL	PANEL
DF	DRINKING FOUNTAIN	PRESS	PRESSURE
DHW	DOMESTIC HOT WATER	PRV	PRESSURE REDUCING VALVE
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DISC	DISCONNECT	PVC	POLYVINYL CHLORIDE
DN	DOWN	QTY	QUANTITY
DS	DOWNSPOUT	RAF	RECYCLED ANTIFREEZE
DTL	DETAIL	RD	ROOF DRAIN
DWGS	DRAWINGS	RDHW	RE-CIRCULATING DOMESTIC HOT WATER
E	EAST	REF	REFERENCE OR REFER
EA	EACH	REQD	REQUIRED
ELEC CONTR	ELECTRICAL CONTRACTOR	REV	REVISION(S)
ELEC	ELECTRIC	RF	ROOF
ELEV	ELEVATION	RM	ROOM
ENGR	ENGINEER	RPM	REVOLUTIONS PER MINUTE
EO	ENGINE OIL	RTU	ROOFTOP UNIT
EQPT	EQUIPMENT	S	SOUTH
EW	ELECTRIC WATER COOLER	SAN	SANITARY
EWDS	EYE WASH/ DRENCH SHOWER	SCHED	SCHEDULE
EXIST, (E)	EXISTING	SD	SHOWER DRAIN
FCO	FLOOR CLEAN OUT	SH	SHOWER
FD	FLOOR DRAIN	SHT	SHEET
FIXT	FIXTURE	SPEC	SPECIFICATION
FLR	FLOOR	SPKLR	SPRINKLER (HEAD)
FPC	FIRE PROTECTION CONTRACTOR	SS	SERVICE SINK
FV	FLUSH VALVE	SQFT	SQUARE FEET
G	GAS	STD	STANDARD(S)
GA	GAUGE	SUSP	SUSPEND(ED)
GAL	GALLON	TD	TRENCH DRAIN
GC	GENERAL CONTRACTOR	TMV	THERMOSTATIC MIXING VALVE
GO	GEAR OIL	TP	TRAP PRIMER
GR	GREASE	TW	TEMPERED WATER
GPH	GALLONS PER HOUR	TYP	TYPICAL
GPM	GALLONS PER MINUTE	UNO	UNLESS NOTED OTHERWISE
GWH	GAS WATER HEATER	UO	USED OIL
HB	HOSE BIBB	UR	URINAL
HC	HVAC CONTRACTOR	V	VENT
HD	HUB DRAIN	VAC	VACUUM
HORIZ	HORIZONTAL	VCP	VITRIFIED CLAY PIPE
HP	HORSEPOWER	VERT	VERTICAL
HR	HOSE REEL	W	WEST OR WIDTH
HT	HEIGHT	WC	WATER CLOSET
		WCO	WALL CLEAN OUT
		WFS	WATER FLOW SWITCH
		WH	WALL HYDRANT
		FWH	FREEZE PROTECTED WALL HYDRANT
		W/	WITH
		W/O	WITHOUT
		YD	YARD DRAIN

PLUMBING LEGEND

	PIPING TO BE REMOVED
	DRAIN
	SANITARY SEWER ABOVE FLOOR
	SANITARY SEWER BELOW FLOOR
	OIL SANITARY SEWER BELOW FLOOR
	INDIRECT WASTE
	SANITARY VENT
	STORM SEWER ABOVE CEILING
	STORM SEWER BELOW FLOOR
	ACID WASTE ABOVE FLOOR
	ACID WASTE BELOW FLOOR
	ACID VENT
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHW-R)
	PRESSURE WASHER SPRAY WATER
	TEMPERED WATER
	NATURAL GAS
	COMPRESSED AIR
	PLUG VALVE (OR UL LISTED BALL/BUTTERFLY)
	BALL VALVE
	THERMOSTATIC TEMPERING VALVE
	GATE VALVE ON RISE OR DROP
	BUTTERFLY VALVE
	BUTTERFLY VALVE ON RISE OR DROP
	OS&Y GATE VALVE (FLANGED)
	COMBINATION BALANCING/SHUT-OFF VALVE
	GLOBE VALVE (FLOW CONTROL)
	CHECK VALVE
	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	Y-TYPE STRAINER
	UNION
	THERMOMETER
	PRESSURE GAUGE
	DIRECTION OF FLOW
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	TEE, SIDE OUTLET, OUTLET DOWN
	BALL VALVE WITH MEMORY STOP
	THREE WAY AUTO CONTROL VALVE
	TWO WAY AUTO CONTROL VALVE
	COMBINATION, BALANCE, AND SHUT OFF VALVE
	BALANCING VALVE

	SHOCK ARRESTER
	VENT THRU ROOF
	PIPE DOWN
	PIPE UP
	PIPE CAP (OR PLUG)
	CLEANOUT
	FLOOR CLEANOUT
	GRADE CLEANOUT
	FLOOR DRAIN
	WALL HYDRANT
	HOSE BIBB
	REDUCER
	CONNECTION POINT, NEW TO EXISTING
	DISCONNECT FROM EXISTING
	AIR COMPRESSOR
	AIR DROP
	CAST IRON
	CHROME PLATED
	DUCTILE IRON
	DIAMETER
	ELECTRICAL CONTRACTOR
	FIRE PROTECTION CONTRACTOR
	GENERAL CONTRACTOR
	HVAC CONTRACTOR
	PLUMBING CONTRACTOR
	SAFETY FACTOR
	SUPPLY RISER
	SANITARY STACK
	TEMPERED WATER
	VENT THRU ROOF

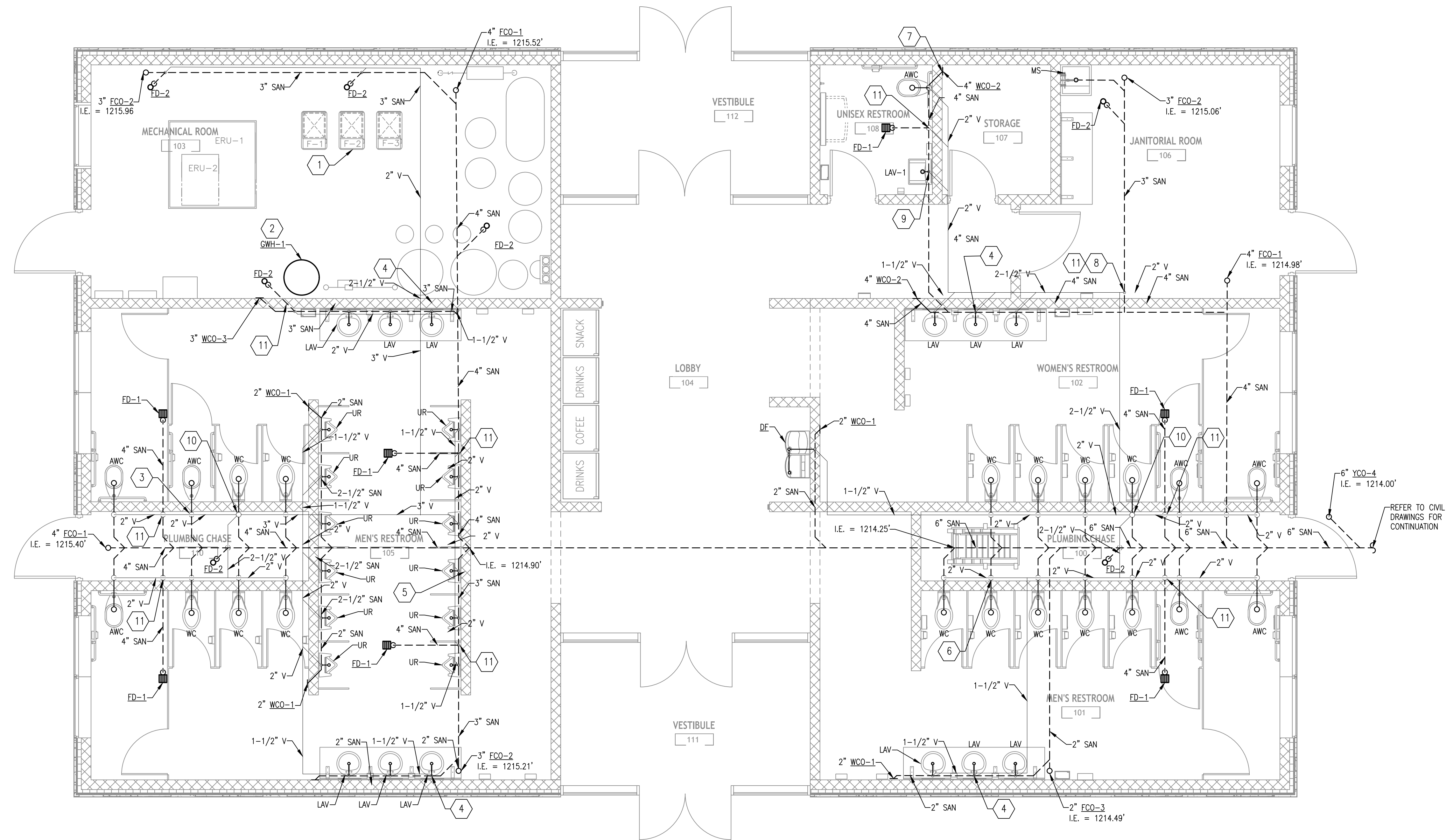
REV#	DATE	REVISIONS
1	12/09/2025	ADD RESPONSE
2	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	AI
DGN. BY:	ML
REV. BY:	ML

SHEET
P.001



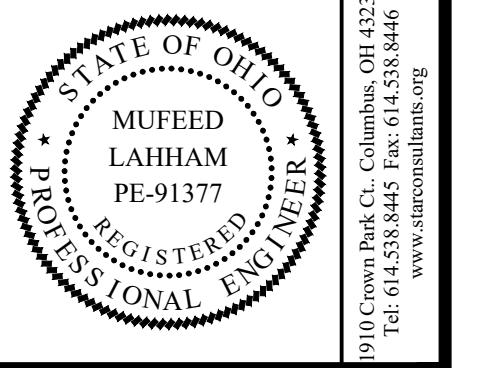
SHEET NOTES:

1. COORDINATE WITH ARCHITECTURAL SCOPE.
2. UNDERSLAB SANITARY SHALL BE SCHEDULE 40 PVC. SANITARY PIPING ABOVE GROUND SHALL BE SCHEDULE 40 PVC.
3. ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP SEALS TO MAINTAIN SEALS AND MINIMIZE RELEASE OF SEWER GAS.
4. SANITARY PIPING 4" AND BELOW SHALL SLOPE AT A MINIMUM OF 1/4" PER FOOT. SANITARY PIPING 6" AND ABOVE SHALL SLOPE AT A MINIMUM OF 1/8" PER FOOT.

PLUMBING CODED NOTES:

1. INDIRECT WASTE FROM FURNACE INTO NEARBY FLOOR DRAINS (TYP. OF 3).
2. INDIRECT WASTE FROM GWH-1 INTO NEARBY FLOOR DRAIN.
3. 4" SAN AND 2" VENT FROM WC (TYP. OF 8).
4. 1-1/2" SAN AND 1-1/2" VENT FROM LAV (TYP. OF 3).
5. 2" SAN AND 1-1/2" VENT FROM UR (TYP. OF 12).
6. 4" SAN AND 2" VENT FROM WC (TYP. OF 13).
7. 4" SAN AND 2" VENT FROM WC.
8. 3" SAN AND 2" VENT FROM MS.
9. 1-1/2" SAN AND 1-1/2" VENT FROM LAV.
10. 4" VTR. FOR LOCATION, COORDINATE WITH ROOFING CONTRACTOR. SEE DRAWING P.701 FOR DETAILS.
11. 2" VENT FROM FLOOR DRAIN.

REV#	DATE	REMARKS
1	12/09/2025	AHJ RESPONSE
2	02/04/2026	BID SET



STAR CONSULTANTS, INC.
 ARCHITECTS & ENGINEERS
 design | strategy | vision

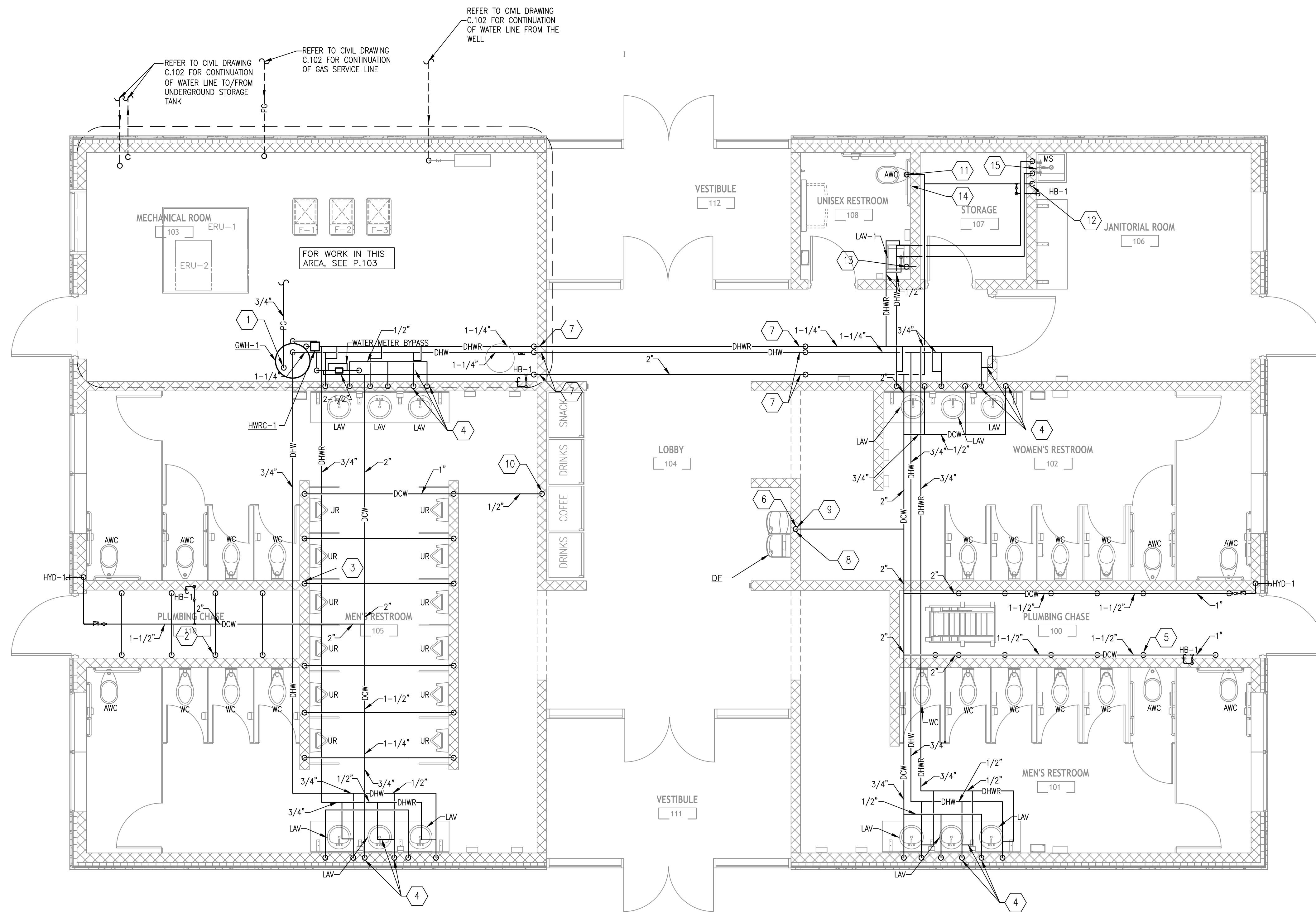
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
SANITARY AND VENT FLOOR PLAN

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	TA/HY
DGN. BY:	ML
REV. BY:	ML

SHEET
P.101

(A) SANITARY AND VENT FLOOR PLAN
 1/4" = 1'-0"

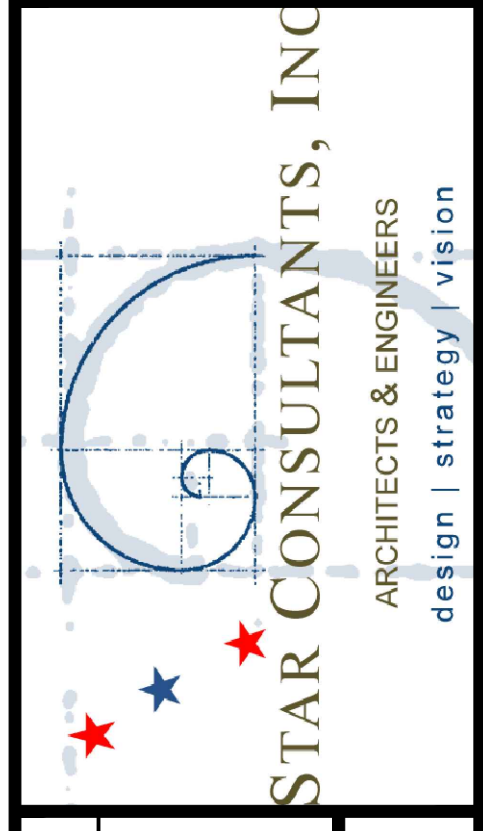




- SHEET NOTES:**
- COORDINATE WITH ARCHITECTURAL SCOPE.
 - THIS SHEET IS FOR PROPANE GAS PIPING & WATER PIPING.
 - DOMESTIC WATER PIPING SHALL BE COPPER WITH SOLDER OR PRESS FIT FITTINGS. THE PIPING SHALL BE INSULATED WITH 1" FIBERGLASS INSULATION.
 - PROVIDE 18" X 18" ACCESS PANEL IN PLUMBING CHASE FOR EACH WATER CLOSET LOCATED IN MEN'S AND WOMEN'S RESTROOMS.
 - PROVIDE 12" X 18" ACCESS PANEL ON WALL BEHIND EACH URINAL IN MEN'S RESTROOM.
 - PROVIDE 12" X 12" ACCESS PANEL ON THE WALL UNDER EACH LAVATORY LOCATED IN MEN'S, WOMEN'S & UNISEX RESTROOMS.
 - COORDINATE ALL PIPE ROUTING WITH STRUCTURAL LAYOUT. ALL PIPING RUN IN ATTIC IS TO BE RUN BELOW BOTTOM CHORD OF TRUSSES. ALL CEILING PENETRATIONS MUST OCCUR BETWEEN TRUSSES.

- PLUMBING CODED NOTES:**
- PROVIDE PIPE SIZE TO MATCH CONNECTION SIZE OF ALL PROPANE GAS EQUIPMENTS BASED ON MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE 1" NPT DCW CONNECTION FOR WATER CLOSET (TYP. FOR 8).
 - PROVIDE 3/4" DCW CONNECTION FOR URINAL (TYP. OF 12).
 - PROVIDE 1/2" DCW, DHW & DHWR CONNECTION FOR LAVATORY (TYP. OF 3)
 - PROVIDE 1" NPT DCW CONNECTION FOR WATER CLOSET (TYP. OF 13).
 - PROVIDE 1/2" DCW CONNECTION FOR ELECTRIC WATER COOLER EWC-1.
 - BOTTOM OF PIPE SHALL BE 14"-6" AFF TO ACCOMMODATE FOR LOBBY AND VESTIBULE CEILING HEIGHT.
 - PROVIDE 5 MICRO CARBON FILTER ON WATER SUPPLY TO EWC-1. INSTALL IN AN ACCESSIBLE LOCATION.
 - PROVIDE 12" X 12" ACCESS PANEL ON WALL BEHIND DRINKING FOUNTAIN.
 - PROVIDE 1/2" DCW WITH 5 MICRO CARBON FILTER ON WATER SUPPLY TO SERVE COFFEE MACHINE. PROVIDE GUY GRAY 1/2" DCW WATER VALVE BOX #MB1AB AND PROVIDE INLINE DUAL CHECK TO VENDING MACHINE.
 - PROVIDE 1" NPT CW CONNECTION FOR WATER CLOSET.
 - PROVIDE 1/2" CW CONNECTION TO SERVE MOP SINK.
 - PROVIDE 1/2" CW CONNECTION TO SERVE LAVATORY.
 - PROVIDE 18" X 18" ACCESS PANEL ON WALL BEHIND WATER CLOSET SERVING UNISEX RESTROOM.
 - PROVIDE 12" X 12" ACCESS PANEL SERVING MOP SINK ON WALL ABOVE MOP SINK.

REV#	DATE	REMARKS
1	12/09/2025	ADD RESPONSE
2	02/04/2026	BID SET



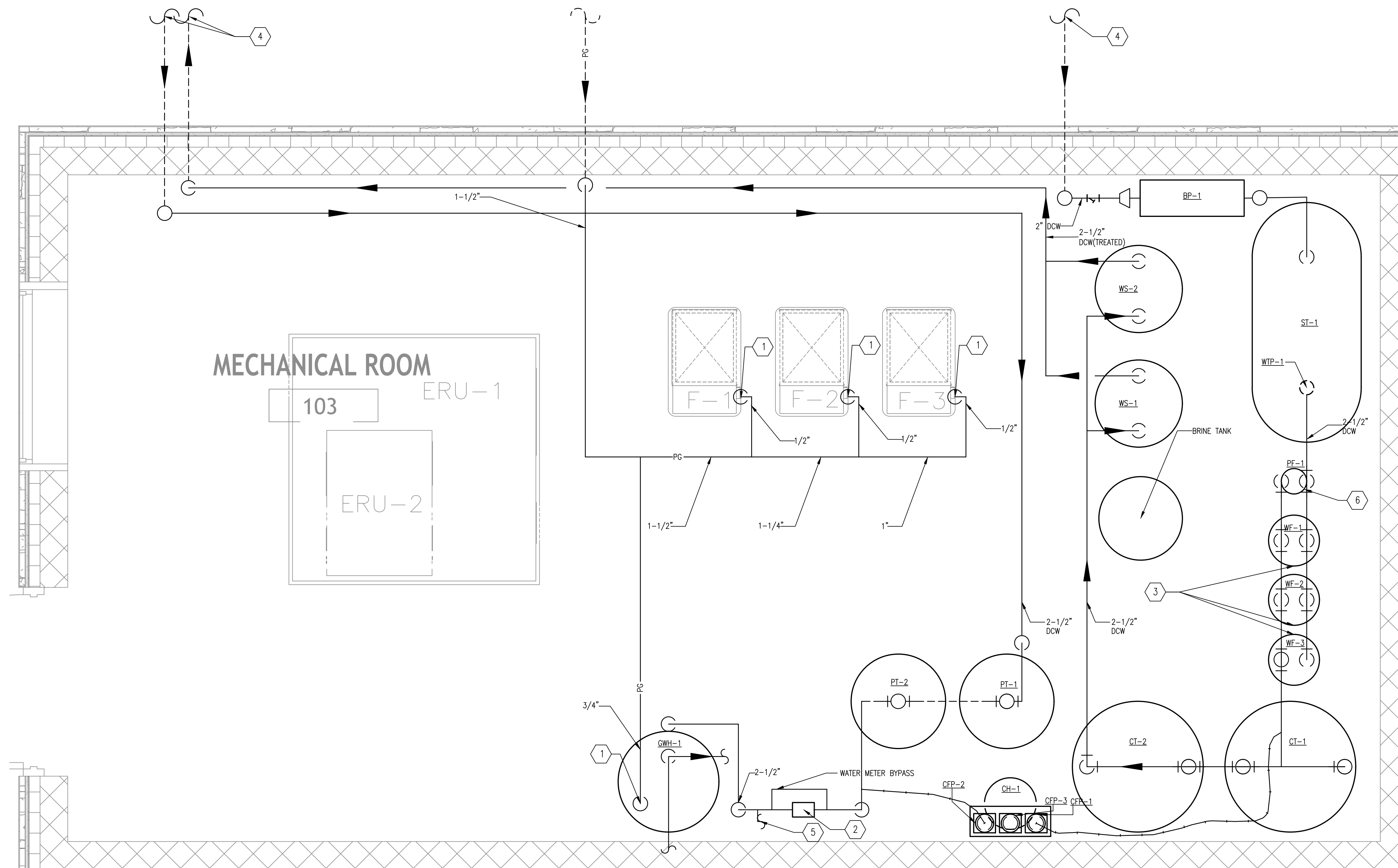
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
UTILITIES PLUMBING PLAN

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	TA/HY
DGN. BY:	ML
REV. BY:	ML

SHEET
P.102

A UTILITIES PLUMBING PLAN
 1/4" = 1'-0"



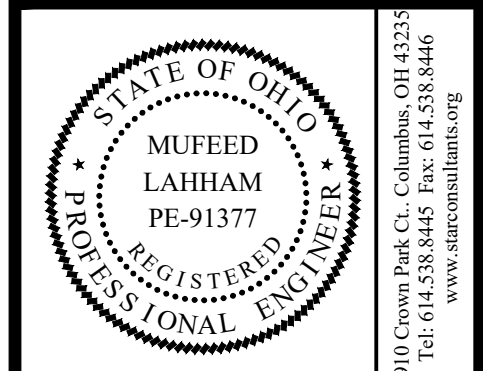


- SHEET NOTES:**
1. COORDINATE WITH ARCHITECTURAL SCOPE.
 2. THIS SHEET IS AN ENLARGED MECHANICAL ROOM PLUMBING PLAN FOR DOMESTIC COLD WATER AND WATER EQUIPMENT.
 3. DOMESTIC WATER PIPING SHALL BE COPPER WITH SOLDER OR PRESS FIT FITTINGS. THE PIPING SHALL BE INSULATED WITH 1" FIBERGLASS INSULATION.
 4. SEE SHEET P.501 FOR WATER EQUIPMENT INSTALLATION DIAGRAM.
 5. COORDINATE ALL EQUIPMENT LOCATIONS WITH MECHANICAL, ARCHITECTURAL AND STRUCTURAL ELEMENTS AND LOCATION WILL BE FINALIZED BASED ON APPROVED SHOP DRAWINGS AND MANUFACTURER'S CLEARANCES.

- PLUMBING CODED NOTES:**
1. PROVIDE PIPE SIZE TO MATCH CONNECTION SIZE OF ALL PROPANE GAS EQUIPMENTS BASED ON MANUFACTURER'S RECOMMENDATIONS.
 2. CONTRACTOR SHALL PROVIDE WATER METER, WM-1 AT THIS LOCATION.
 3. CONTRACTOR SHALL PROVIDE BELL & GOSSETT #SA 1 CONTROL VALVE ON INLET SIDE OF FILTER.
 4. DCW IS SUPPLIED FROM THE WELL FOR WATER TREATMENT AND AFTER TREATMENT STORED IN UNDERGROUND STORAGE TANK ST-2. CONTRACTOR SHALL PROVIDE WELL PUMP, WP-1 INSIDE THE WELL AS WELL AS NECESSARY PIPING, VALVES, ETC. AS SHOWN IN DRAWING P.501(A) - WATER EQUIPMENT LAYOUT DIAGRAM. REFER TO CIVIL DRAWING C.104 FOR WELL AND UNDERGROUND STORAGE TANK LOCATION.
 5. 2-1/2" DCW SUPPLY FROM MECHANICAL ROOM, SEE SHEET P.102.
 6. PROVIDE ALL NECESSARY PIPING, VALVES AND CARTRIDGES AND MOUNT PRE-FILTER WELDED SUPPORT LEGS

(A) ENLARGED MECHANICAL ROOM PLUMBING PLAN
3/4" = 1'-0"

REV#	DATE	REMARKS
1	12/09/2025	AHJ RESPONSE
2	02/04/2026	BID SET



STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

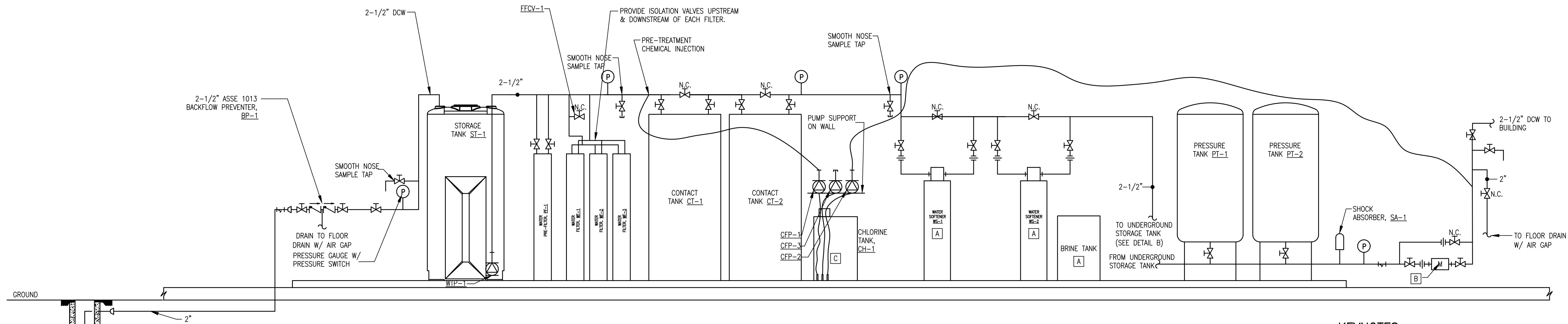
9040 Crown Peak Ct., Columbus, OH 43235
Tel: 614.538.8445 Fax: 614.538.8446
www.starconsultantsinc.com

OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

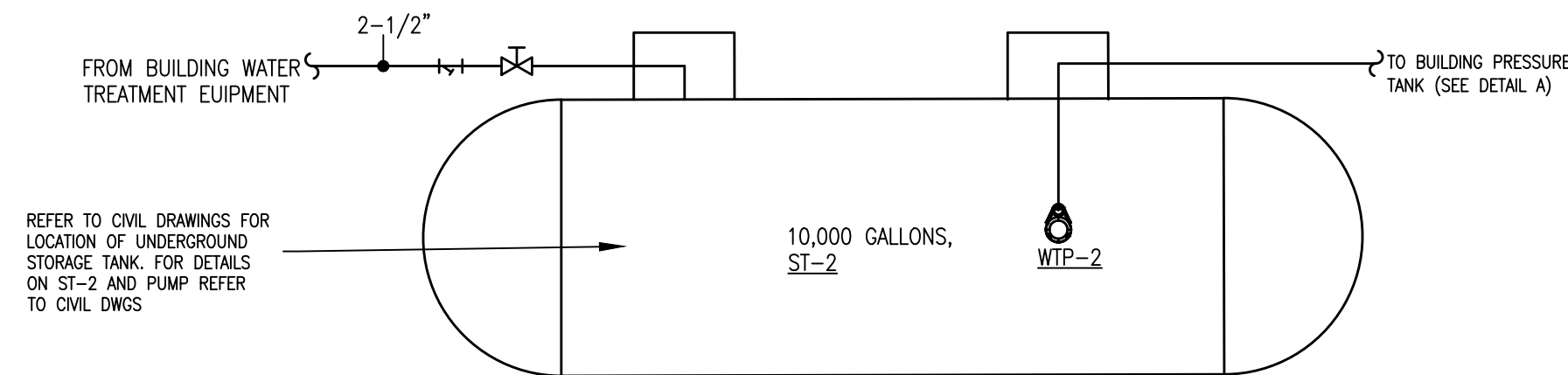
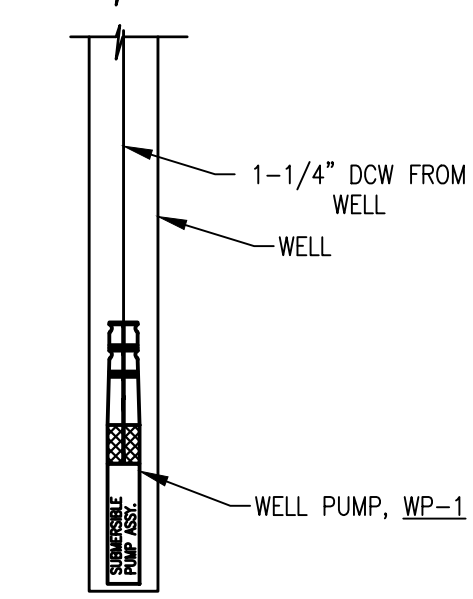
ENLARGED MECHANICAL ROOM PLUMBING PLAN

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	HY
DGN. BY:	HY
REV. BY:	ML

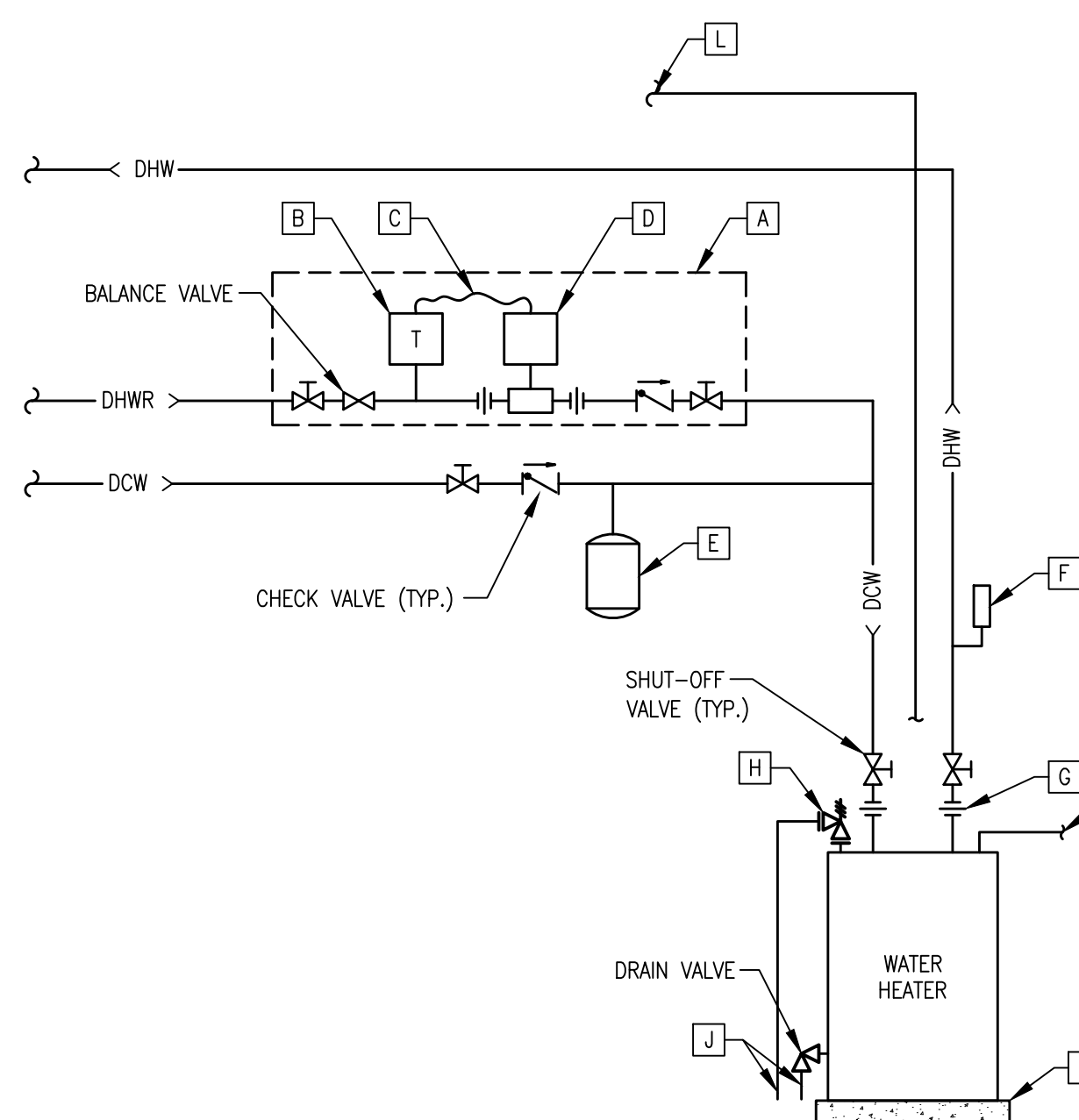
SHEET
P.103



A WATER EQUIPMENT LAYOUT DIAGRAM
SCALE: N.T.S.



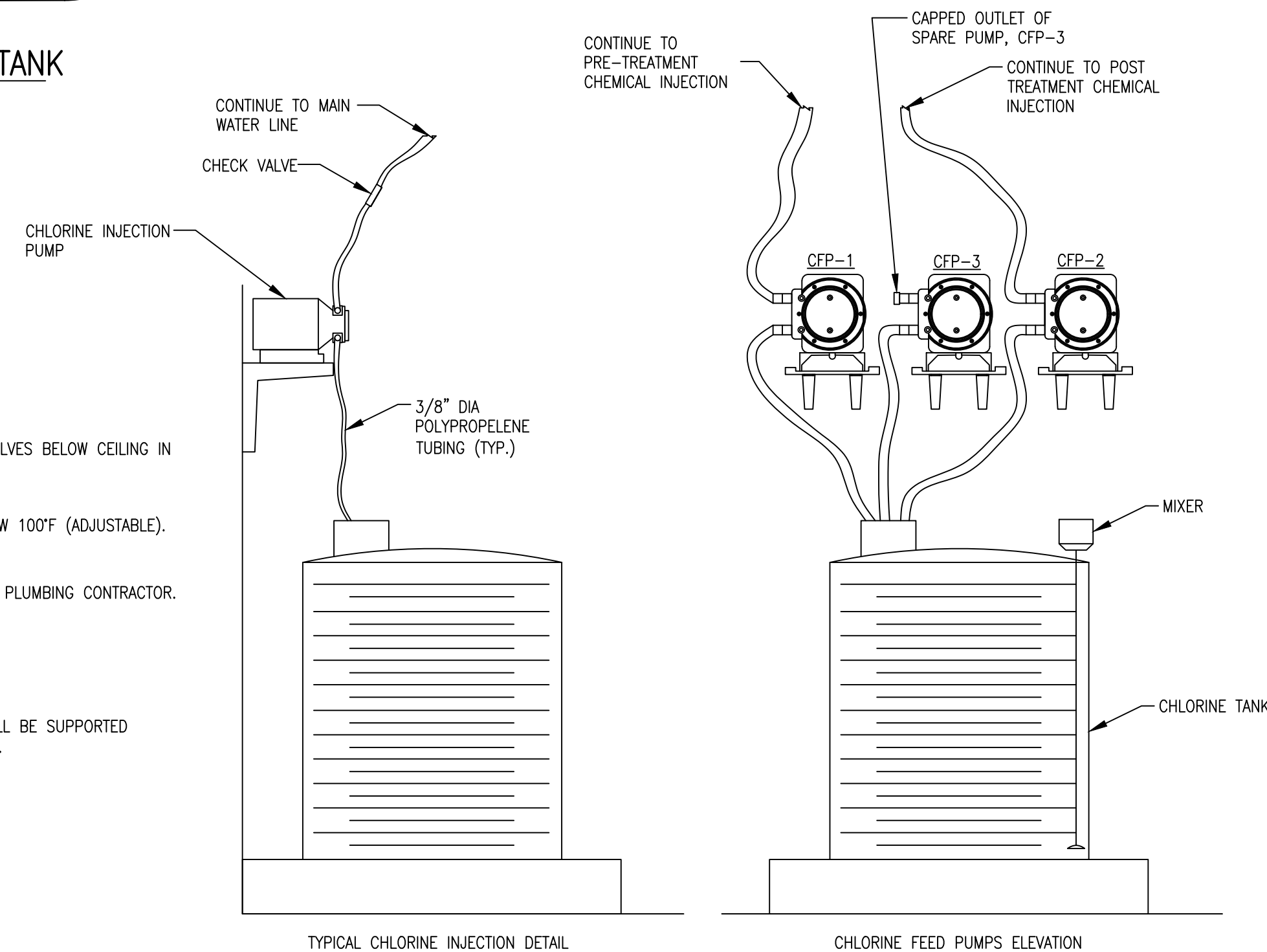
B UNDERGROUND WATER STORAGE TANK
SCALE: N.T.S.



KEYNOTES:

- A** MOUNT CIRCULATING PUMP, AQUASTAT AND SHUT-OFF VALVES BELOW CEILING IN ACCESSIBLE LOCATION.
- B** AQUASTAT TO START PUMP AS TEMPERATURE DROPS BELOW 100°F (ADJUSTABLE).
- C** ALL LOW-VOLTAGE WIRING FROM PUMP TO AQUASTAT BY PLUMBING CONTRACTOR.
- D** HOT WATER RECIRCULATING PUMP, HWRC-1
- E** THERMAL EXPANSION TANK, ET-1. EXPANSION TANK SHALL BE SUPPORTED INDEPENDENTLY ACCORDING TO MFR'S INSTRUCTIONS.
- F** THERMOMETER.
- G** DIELECTRIC UNION FOR DISSIMILAR METAL. TYPICAL.
- H** 125 PSI TEMPERATURE/PRESSURE RELIEF VALVE.
- J** PIPE FULL SIZE TO FLOOR DRAIN OR MOP SINK.
- K** MINIMUM 4" HIGH CONCRETE HOUSEKEEPING PAD.
- L** 3" EXHAUST VENT TERMINATION THROUGH WALL. MAINTAIN 10" FROM FRESH AIR INTAKES.
- M** 1-1/2" PROPANE GAS CONNECTION.

C GAS WATER HEATER PIPING CONNECTION
SCALE: N.T.S.



DESIGN NOTES:

1. CHLORINE FEED PUMPS SHALL BE SECURELY WALL-MOUNTED USING MANUFACTURER-SUPPLIED BRACKET AND SHALL BE SET 5" TO 6" AFF. IN A CLEAR, UNOBSTRUCTED LOCATION.
2. WELL PUMP AND CHLORINE FEED PUMP OPERATION: THE PROPOSED CHLORINE FEED PUMP SHALL BE ELECTRICALLY CONNECTED TO THE WELL PUMP STARTER TO ENABLE THE CHLORINE FEED PUMP TO OPERATE DURING WELL PUMP OPERATION.

D CHLORINE FEED PUMP AND TANK CONNECTION DETAIL AND ELEVATION
SCALE: N.T.S.

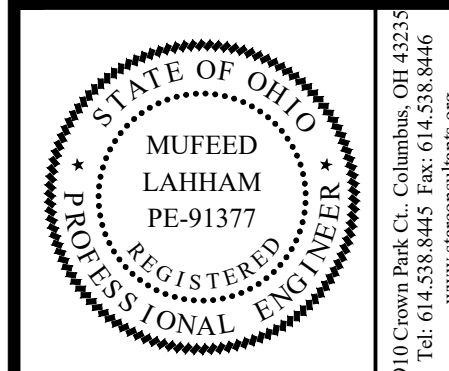
KEYNOTES:

- A** WATER SOFTENING SYSTEM COMPLETE WITH BRINE TANK, MINERAL TANK AND BRINE AND DRAIN TUBING.
- B** WATER METER WITH REMOTE READER, WM-1. METER SHALL MEET ASSE #1013 STANDARD AND SHALL MEASURE IN CUBIC FEET. LEAD-FREE BRONZE, 1 INCH OR EQUAL WATER METER SHALL COMPLY WITH NSF 61.
- C** CHLORINE INJECTION TANK. REFER TO DETAIL ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.

DESIGN NOTES:

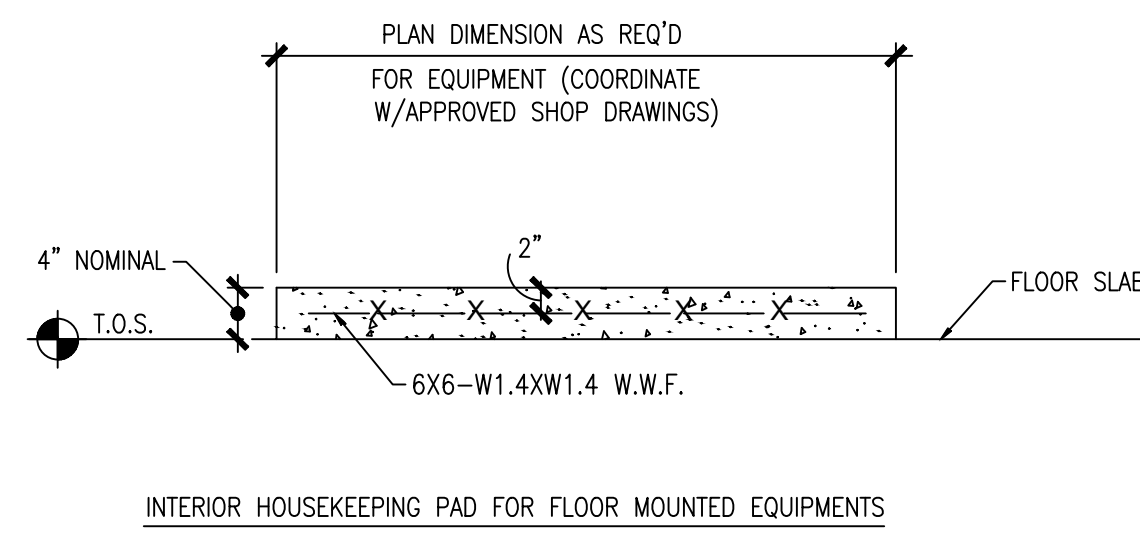
1. DOMESTIC WATER SERVICE IS BASED ON THE FOLLOWING CRITERIA USING NORMAL FLOW FIXTURES.
2. PEAK DEMAND FLOW = 15 GPM.
3. INSTALLATION SHALL CONFORM TO OPC AND AMERICAN WATER WORKS ASSOCIATION.
4. ALL PIPING UP TO THE METER SHALL BE SCH. 80 PVC ASTM D1785.
5. ALL VALVES UP TO THE METER SHALL BE SCH. 80 PVC ASTM D2467 OR ASTM 2464 BALL VALVES.
6. WATER FILTERS (WF-1, WF-2, WF-3) SHALL BE PIPED IN PARALLEL TO ALLOW EQUAL FLOW THROUGH EACH FILTER.
7. FILTER MEDIA SHALL BE PRO-OX MANGANESE DIOXIDE OR EQUIVALENT INSTALLED PER MANUFACTURER'S REQUIREMENTS. GRAVEL BOTTOM LAYER AND TURBEX MEDIA AS PROVIDED BY PRO-OX SHALL ALSO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
8. SYSTEM SHALL OPERATE BETWEEN 40-60 PSI.
9. N.C. INDICATES NORMALLY CLOSED DURING OPERATION.
10. ALL DRAINS TERMINATING AT A FLOOR DRAIN MUST BE INSTALLED WITH AN AIR GAP. ALL AIR GAPS MUST BE AT LEAST TWO PIPE DIAMETERS.
11. THE SOFTENING GOAL FOR THIS SYSTEM IS TO ACHIEVE 80-90MG/L AS CaCO3 HARDNESS. NO BLENDING IS REQUIRED.

REV#	DATE	REMARKS
1	12/09/2025	AHJ RESPONSE
2	02/04/2026	BID SET

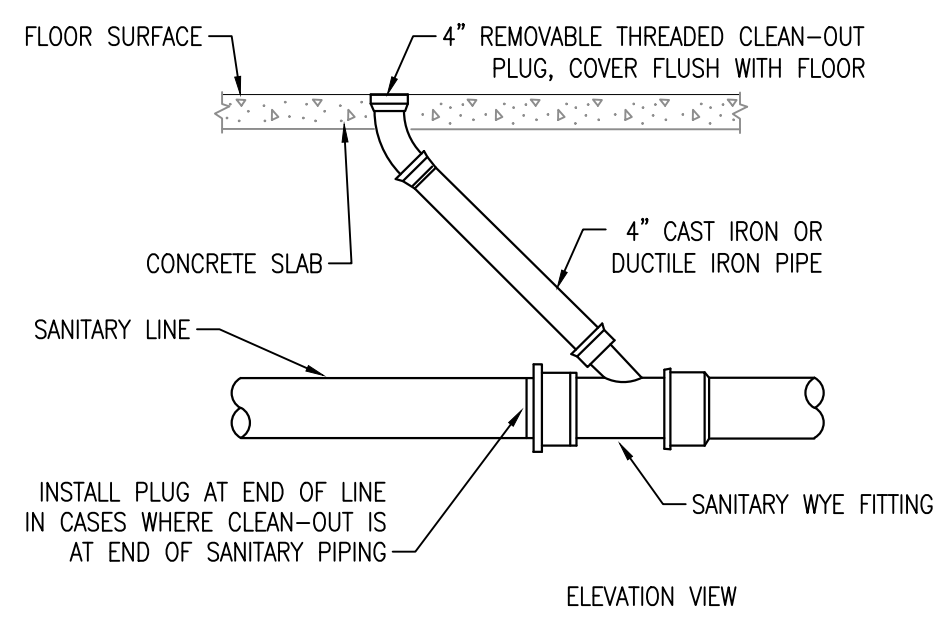


OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PLUMBING DETAILS

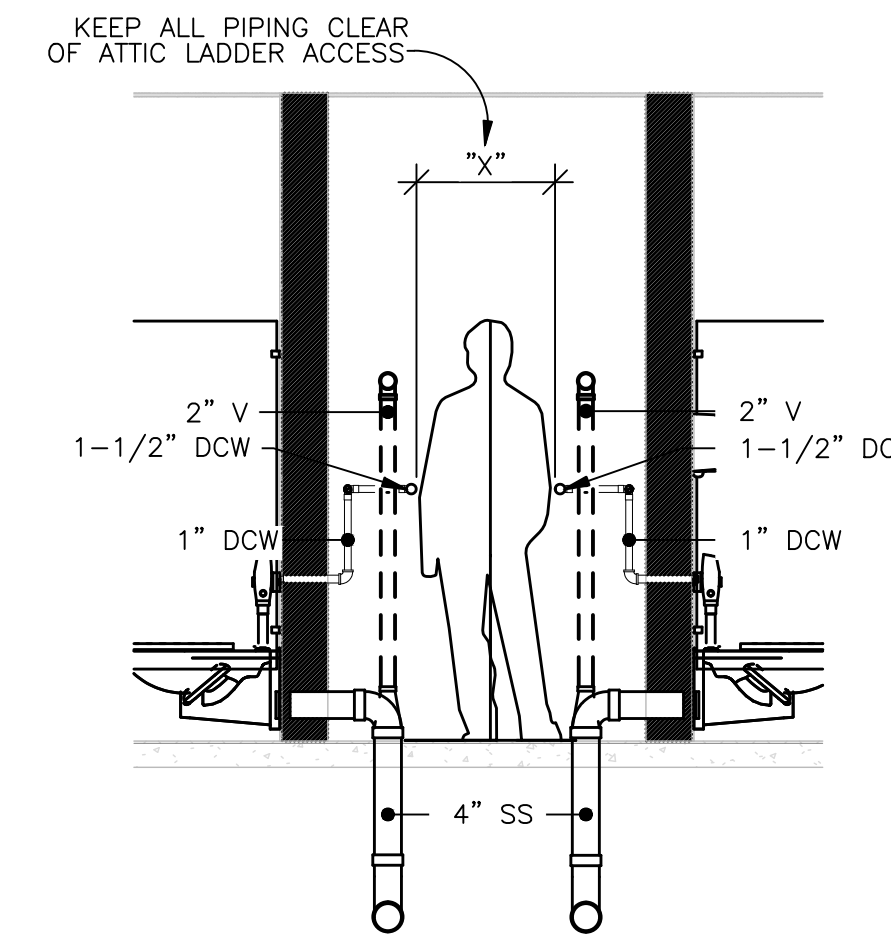
PJT #:	25009
DATE:	10/24/2025
DRN. BY:	HY / AI
DGN. BY:	ML
REV. BY:	ML



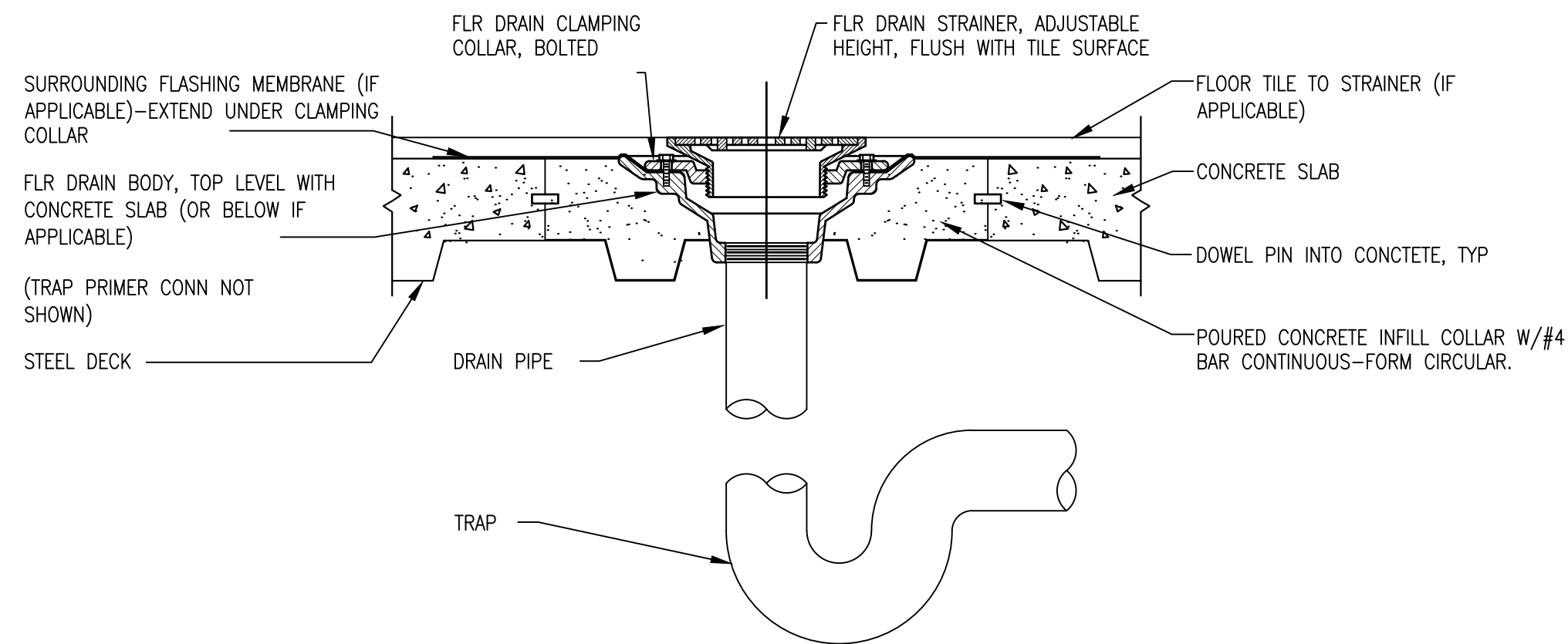
A CONCRETE PAD DETAIL
SCALE: N.T.S.



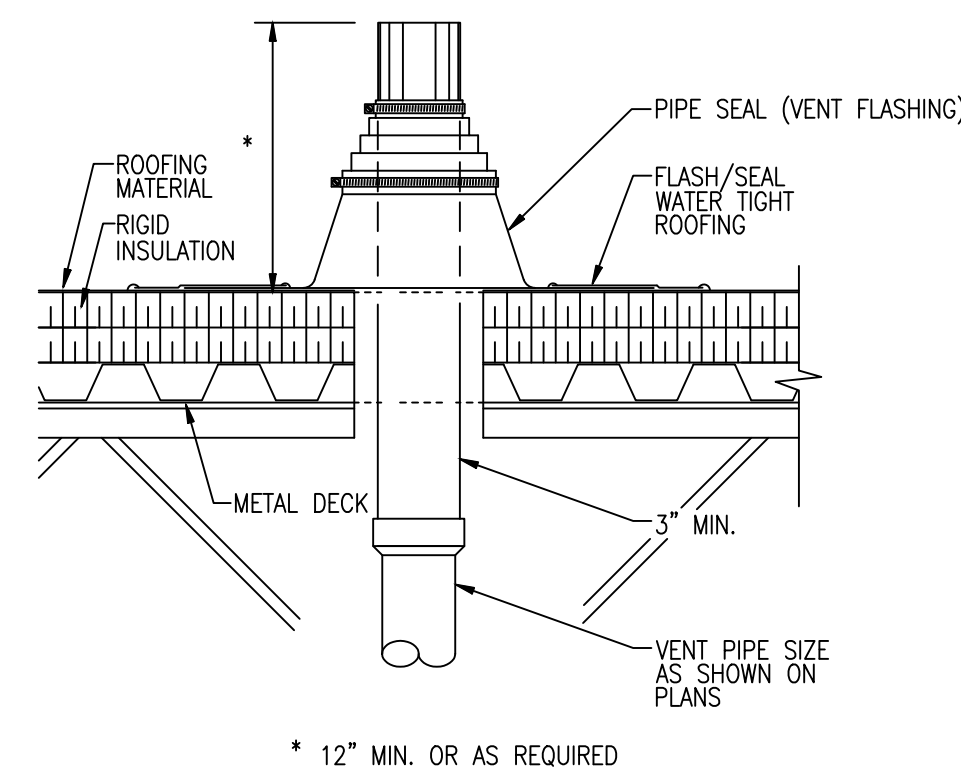
B INTERIOR CLEANOUT DETAIL
SCALE: N.T.S.



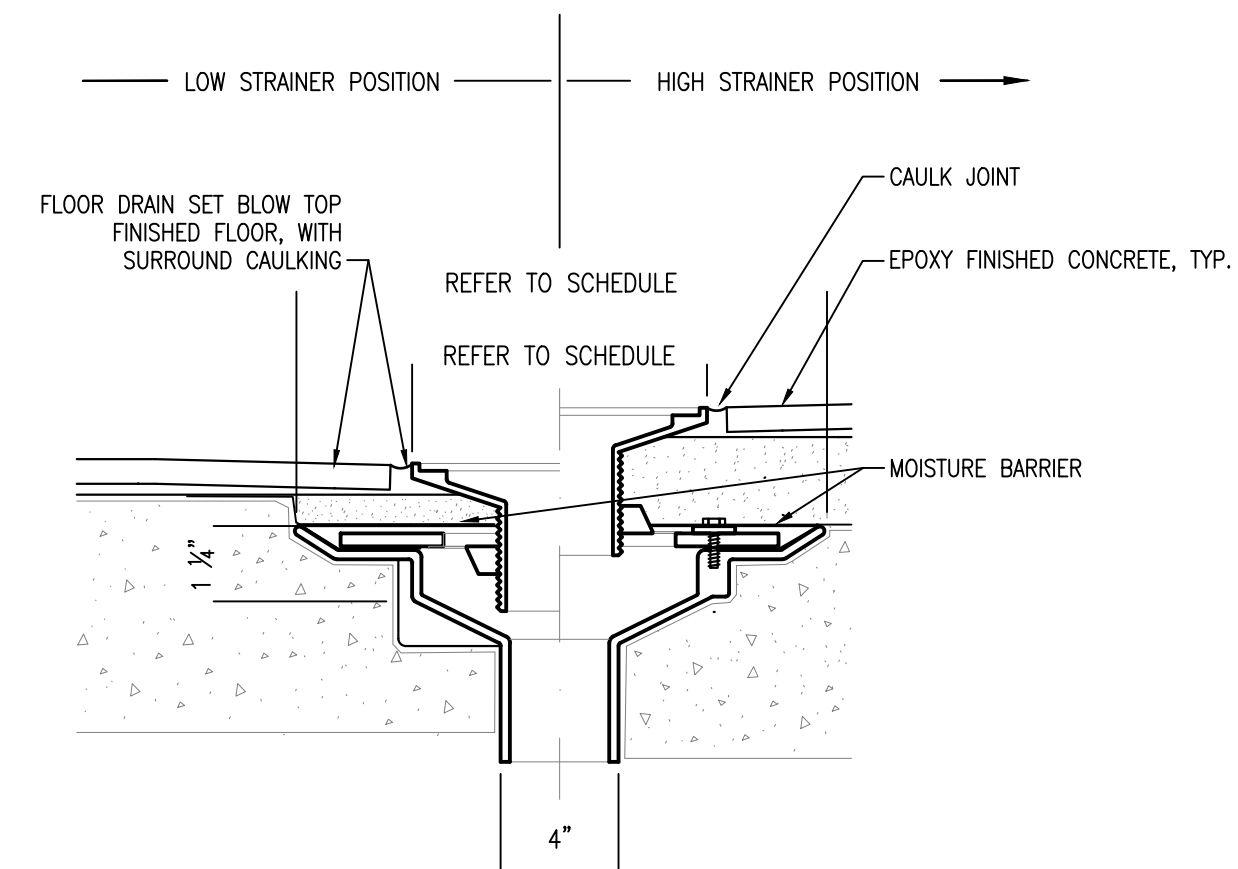
C PLUMBING CHASE DETAIL
SCALE: N.T.S.



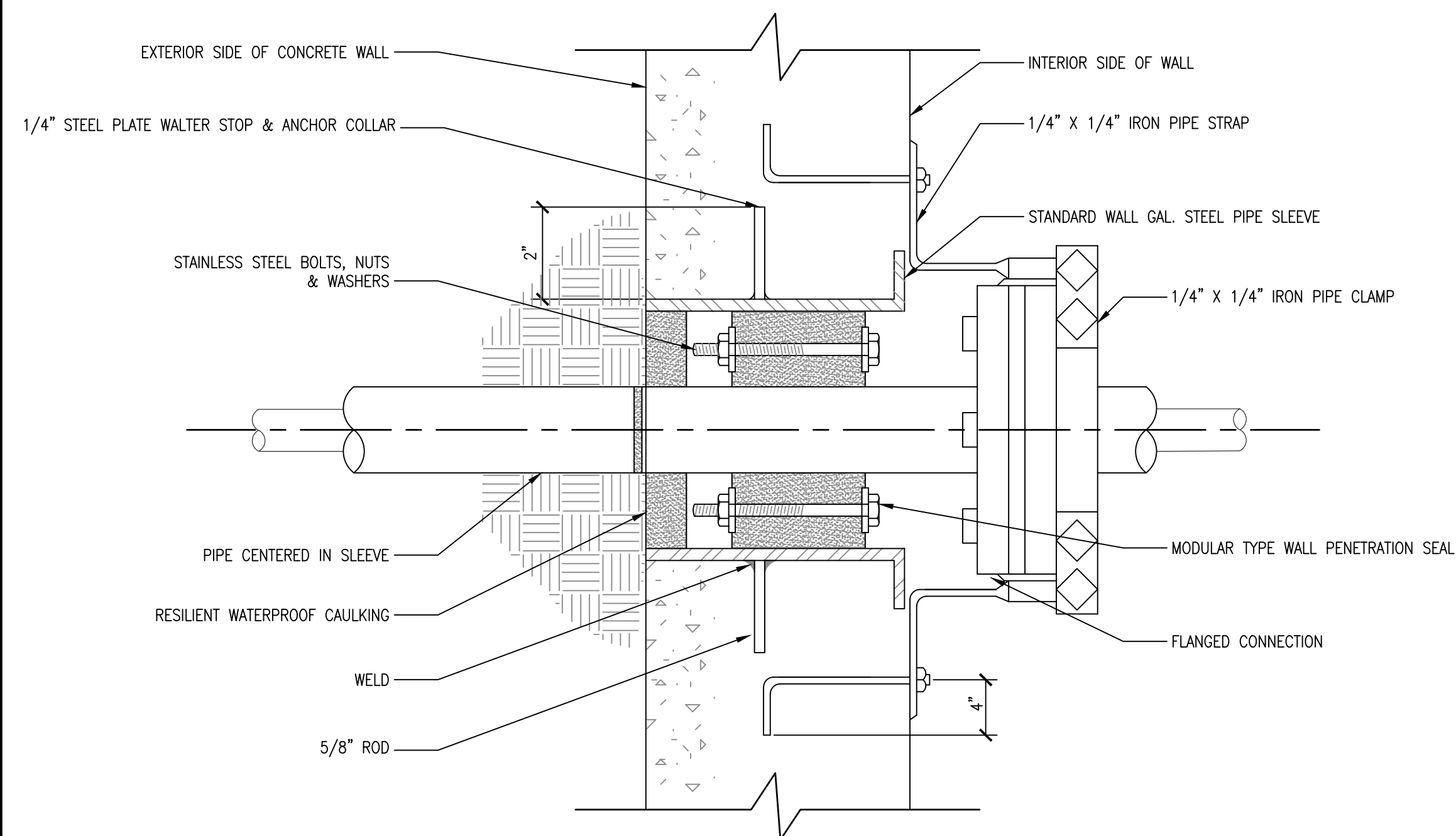
D FLOOR DRAIN INSTALLATION DETAIL
N.T.S.



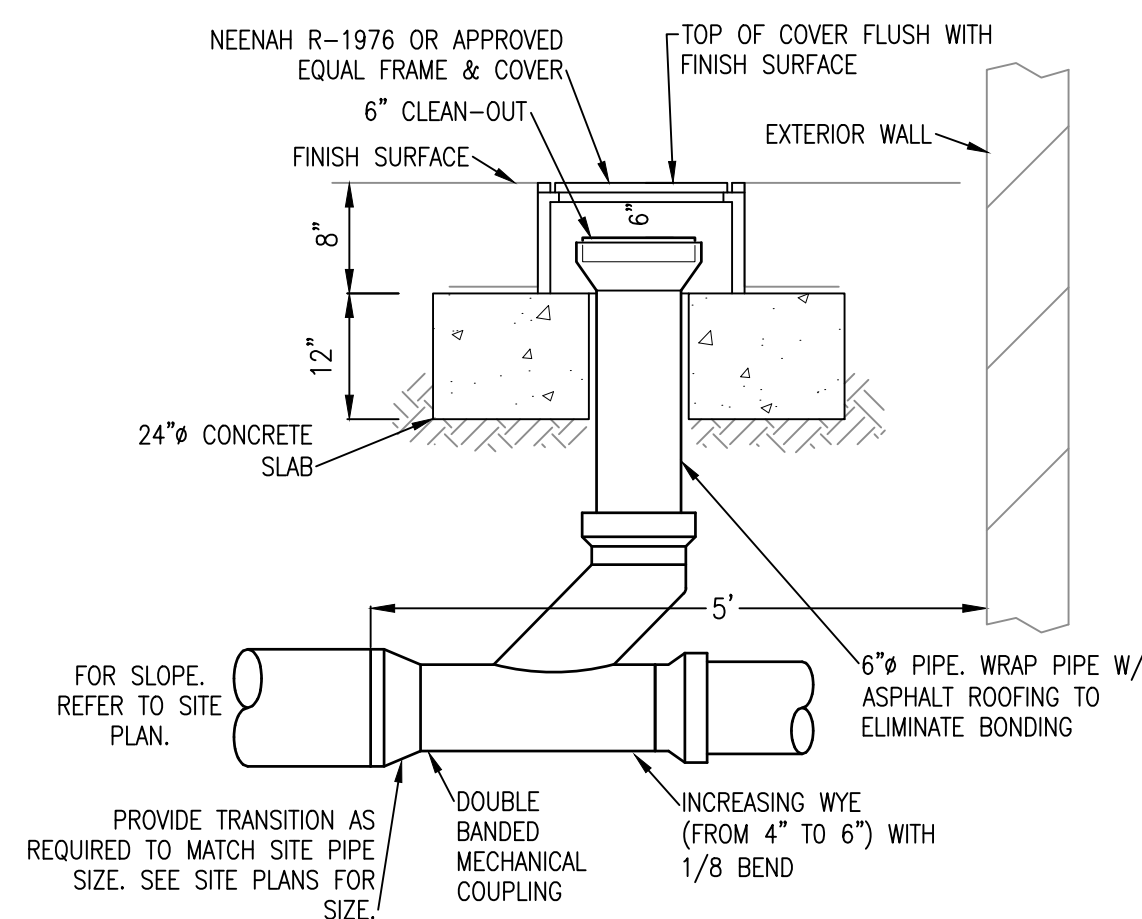
E VENT PENETRATION THROUGH ROOF DETAIL
SCALE: N.T.S.



F FLOOR DRAIN DETAIL - 4"
SCALE: N.T.S.

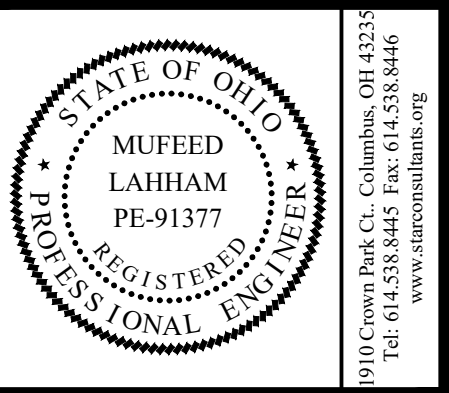


G TYPICAL PIPE SLEEVE DETAIL
SCALE: N.T.S.



H EXTERIOR CLEANOUT DETAIL
SCALE: N.T.S.

REV#	DATE	REMARKS
1	12/09/2025	AH/RESPONSE
2	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PLUMBING DETAILS

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	HY
DGN. BY:	HY
REV. BY:	ML

SHEET
P.502

WATER EQUIPMENT SCHEDULE										
TAG	LOCATION	ITEM	MANUFACTURER	MODEL NUMBER	CAPACITY (GAL.)	DIMENSIONS	CONNECTION SIZE	WEIGHT (LBS.)	REMARKS	NOTES
ST-1	MECHANICAL ROOM	STORAGE TANK	NORWESCO	43856	400	66" W x 68" H	-	-	-	N/A
PF-1	MECHANICAL ROOM	PRE-FILTER	QUANTROL	QFP5X4-316SS	-	7" D x 50-7/8" H	2"	-	-	N/A
PT-1	MECHANICAL ROOM	PRESSURE TANK	AMTROL	WX-302	86	26" D x 47" H	1-1/4"	123	46.4 GALLON MAXIMUM TANK ACCEPTANCE, 150 PSI WORKING PRESSURE, 38 PSI PRE-CHARGE PRESSURE, 200°F MAXIMUM OPERATING TEMPERATURE, STANDING TANK.	N/A
PT-2	MECHANICAL ROOM	PRESSURE TANK	AMTROL	WX-302	86	26" D x 47" H	1-1/4"	123	46.4 GALLON MAXIMUM TANK ACCEPTANCE, 150 PSI WORKING PRESSURE, 38 PSI PRE-CHARGE PRESSURE, 200°F MAXIMUM OPERATING TEMPERATURE, STANDING TANK.	N/A
CH-1	MECHANICAL ROOM	CHLORINE SOLUTION TANK	LMI	27421	10	14.2" D x 17.75" H	-	7	UV RESISTANT, 0°F MINIMUM SOLUTION/AMBIENT TEMPERATURE AND 110°F MAXIMUM SOLUTION/AMBIENT TEMPERATURE, CERTIFIED TO NSF/ANSI STANDARD 61 AND 372.	N/A
CT-1	MECHANICAL ROOM	CHLORINE CONTACT TANK	PENTAIR	33652	264	36" D x 72" H	4"	264	150 PSI MAXIMUM OPERATING PRESSURE, 35.2 CUBIC FT. TANK, 120°F MAXIMUM OPERATING TEMPERATURE.	N/A
CT-2	MECHANICAL ROOM	CHLORINE CONTACT TANK	PENTAIR	33652	264	36" D x 72" H	4"	264	150 PSI MAXIMUM OPERATING PRESSURE, 35.2 CUBIC FT. TANK, 120°F MAXIMUM OPERATING TEMPERATURE.	N/A
WF-1	MECHANICAL ROOM	IRON/MANGANESE FILTER	APPLIED MEMBRANES	W-MF11465GET	5 GPM/SF, 5.3 GPM PER FILTER	14" D x 65" H	1"	350	10 GPM BACKWASH FLOWRATE, 1" CONTROL VALVE, 150 PSI MAXIMUM OPERATING PRESSURE, 120°F MAXIMUM OPERATING TEMPERATURE, TIME CLOCK DELAY REGENERATION/BACKWASH.	1 - 4
WF-2	MECHANICAL ROOM	IRON/MANGANESE FILTER	APPLIED MEMBRANES	W-MF11465GET	5 GPM/SF, 5.3 GPM PER FILTER	14" D x 65" H	1"	350	10 GPM BACKWASH FLOWRATE, 1" CONTROL VALVE, 150 PSI MAXIMUM OPERATING PRESSURE, 120°F MAXIMUM OPERATING TEMPERATURE, TIME CLOCK DELAY REGENERATION/BACKWASH.	1 - 4
WF-3	MECHANICAL ROOM	IRON/MANGANESE FILTER	APPLIED MEDIA	W-MF11465GET	5 GPM/SF, 5.3 GPM PER FILTER	14" D x 65" H	1"	350	10 GPM BACKWASH FLOWRATE, 1" CONTROL VALVE, 150 PSI MAXIMUM OPERATING PRESSURE, 120°F MAXIMUM OPERATING TEMPERATURE, TIME CLOCK DELAY REGENERATION/BACKWASH.	1 - 4
WS-1	MECHANICAL ROOM	WATER SOFTENER	CANATURE	BNT95-500	187.3 GALLONS, FLOW RATE OF 27.7 GPM @15 PSI PRESSURE DROP	24" D x 72" H	1"	-	8 GPM BACKWASH FLOWRATE, 1" CONTROL VALVE, 125 PSI MAXIMUM OPERATING PRESSURE, 100°F MAXIMUM OPERATING TEMPERATURE, 220-12V 50 HZ ELECTRICAL REQUIREMENTS	N/A
WS-2	MECHANICAL ROOM	WATER SOFTENER	CANATURE	BNT95-500	187.3 GALLONS, FLOW RATE OF 27.7 GPM @15 PSI PRESSURE DROP	24" D x 72" H	1"	-	8 GPM BACKWASH FLOWRATE, 1" CONTROL VALVE, 125 PSI MAXIMUM OPERATING PRESSURE, 100°F MAXIMUM OPERATING TEMPERATURE, 220-12V 50 HZ ELECTRICAL REQUIREMENTS	N/A
FFCV-1	FILTER BYPASS	FILTER FLOW CONTROL VALVE	XYLEM, BELL & GOSSET	SA 1, 107018	-	-	1"	-	-	N/A

NOTES:

1. FILTER MEDIA: SAFE WATER TECH "FILTER-OX", CLACK "MFM", OR EQUAL MEETING OHIO EPA REQUIREMENTS.
2. GRANULAR MANGANESE DI-OXIDE MEDIA MEETING OHIO EPA GREENBOOK TABLE 1: GENERAL MEDIA GUIDANCE; 0.4 - 0.6 EFFECTIVE SIZE (MM), UNIFORMITY COEFF. <2.0, BED DEPTH: 24-36", 3-5 GPM/SF FILTRATION RATE.
3. NO ANTHRACITE CAP.
4. NSF-61 APPROVED.

PUMP SCHEDULE													
TAG	LOCATION	ITEM	MANUFACTURER	MODEL NUMBER	FLOW RATE	HEAD/SUCTION LIFT	DISCHARGE CONNECTION (IN.)	DIMENSIONS	MOTOR TYPE	HP	VOLTS/PH/Hz	WEIGHT (LBS.)	NOTES
CFP-1	MECHANICAL ROOM	PRE-TREATMENT CHLORINE FEED PUMP	STENNER	45M1	.13 GPH	25 FT. SUCTION LIFT	3/8"	10.6" L x 5.3" W x 6" H	SHADED POLE	1/30	120/1/60	9	1
CFP-2	MECHANICAL ROOM	POST-TREATMENT CHLORINE FEED PUMP	STENNER	45M1	.13 GPH	25 FT. SUCTION LIFT	3/8"	10.6" L x 5.3" W x 6" H	SHADED POLE	1/30	120/1/60	9	1
CFP-3	MECHANICAL ROOM	SPARE CHLORINE FEED PUMP	STENNER	45M1	.13 GPH	25 FT. SUCTION LIFT	3/8"	10.6" L x 5.3" W x 6" H	SHADED POLE	1/30	120/1/60	9	1
WTP-1	MECHANICAL ROOM	SUPPLY FEED PUMP	PENTAIR MYERS	STA-RITE HS SERIES S15P4HS07231	15 GPM	15 FT. SUCTION LIFT	1-1/4"	3-7/8" D x 25-3/4" L	3 WIRE	3/4	230/1/60	31	1

NOTES:

1. NEMA 5-15P POWER CORD.

WELL PUMP SCHEDULE													
TAG	LOCATION	ITEM	MANUFACTURER	MODEL NUMBER	FLOW RATE	HEAD/SUCTION LIFT	DISCHARGE CONNECTION (IN.)	DIMENSIONS	MOTOR TYPE	HP	VOLTS/PH/Hz	WEIGHT (LBS.)	NOTES
WP-1	INSIDE WELL	WATER WELL PUMP	PENTAIR MYERS	RUSTLER SERIES 3NFL152-30-P4	30 GPM	150 FT. HEAD	1-1/4"	3-7/8" D	3 WIRE	1-1/2	230/3/60	39	1 - 5

NOTES:

1. PROVIDE DISCONNECT.
2. 6-STAGE PUMP.
3. #N130R PUMP END.
4. #P4300154K MOTOR.
5. #SMC-CR1521 CONTROL BOX.

PLUMBING EQUIPMENT SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACTURER AND MODEL	SIZE	ELECTRICAL REQUIREMENTS	REMARKS
BP-1	BACKFLOW PREVENTER	WATTS MAXIM M400 OSY	2-1/2" NPT	N/A	WATER SERVICE, REDUCED PRESSURE ASSEMBLY, LEAD FREE, INDEPENDENT CHECK VALVES, PLASTIC SEATS, FDA EPOXY COATED STRAINER, ASSE 1013, WITH AIR GAP FITTING.

ELECTRIC WATER COOLER SCHEDULE						
TAG	DESCRIPTION	MANUFACTURER	MODEL	ELECTRICAL REQUIREMENTS	REMARKS	NOTES
DF	DRINKING FOUNTAIN	ELKAY	EZSTLBSLX	115 V / 60 HZ	STAINLESS STEEL ENCLOSURE W/ FRONT PUSH BUTTON CONTROL, R-134a REFRIGERANT, FILTERED 8.0 GPH OF 50°F WATER AT 80°F INLET WATER TEMPERATURE AND 90°F ROOM TEMPERATURE, 6.0 FLA, 120V, 1 PH, 60 HZ UL LISTED, THE LEFT SIDE SHALL BE LESS HIGH AND IT SHALL HAVE THE BOTTLE FILING STATION, VANDAL RESISTANT BUBBLERS.	1

NOTES:

1. PROVIDE 1-1/4" SANITARY CONNECTION, 1-1/4" VENT CONNECTION AND 1/2" DCW CONNECTION.

GAS-FIRED WATER HEATER SCHEDULE																			
TAG	LOCATION	SERVING	MANUFACTURER	MODEL NUMBER	FUEL TYPE	CAPACITY (GAL.)	RECOVERY CAPACITY GALLONS @ 100°F TEMP. RISE	BTU INPUT	THERMAL EFFICIENCY	SIZE	FLUE SIZE	INTAKE AIR SIZE	INLET GAS PRESSURE (MAX)	VOLTS	AMPS	HOT/COLD CONN. SIZE	GAS CONN. SIZE	WEIGHT (LBS.)	NOTES
GWH-1	MECHANICAL ROOM	RESTROOMS	A.O. SMITH	BTH-120	PROPANE GAS	60	138	120,000	95%	27.75" DIA x 55.5" H	3" @ 30"	3" @ 30"	14.0" W.C.	120	5	1-1/2" NPT	3/4" NPT	490	1-8

NOTES:

1. PROVIDE DISCONNECT.
2. PROVIDE VACUUM RELIEF IF REQUIRED BY CODE.
3. INSTALL COMBINATION TEMPERATURE AND PRESSURE RELIEF VALVE IN THE TOP PORTION OF THE PRESSURE TANK.
4. INSTALL THERMOMETERS ON OUTLET PIPING OF DOMESTIC WATER HEATER.
5. PROVIDE DRAIN PAN ON FLOOR WITH DRAIN TO VISIBLE LOCATION.
6. PROVIDE SHUT OFF VALVES FOR TANK REPLACEMENT.
7. PROVIDE FLEXIBLE CONNECTORS.
8. INSTALL DIELECTRIC FITTINGS IN ALL LOCATIONS WHERE PIPING OF DISSIMILAR METALS ARE TO BE JOINED.

DRAIN SCHEDULE								
SYMBOL	NO. REQ'D	TYPE	BODY TYPE	TOP FINISH	OUTLET TYPE AND SIZE	FLANGE AND/OR CLAMPING DEVICE	CATALOG NO.	REMARKS
FD-1	REFER TO PLANS FOR EXACT LOCATION(S)	FLOOR DRAIN	STAINLESS STEEL	SATIN FINISH	4" INSIDE CAULK	ANCHOR FLANGE	ZURN Z-1727-4IC-VP	TYPE 304 STAINLESS STEEL ADJUSTABLE SQUARE FLOOR DRAIN, 6" x 6" DRAIN AREA, WITH VANDAL-PROOF SECURED TOP
FD-2	REFER TO PLANS FOR EXACT LOCATION(S)	FLOOR DRAIN	CAST IRON	POLISHED NICKEL BRONZE STRAINER	4" NO HUB	FLANGE & CLAMP	ZURN ZN-415N-4NH-AR-G-VP W/ TYPE N STRAINER	DURA-COATED CAST IRON BODY WITH POLISHED NICKEL BRONZE TOP, ACID RESISTING EPOXY COATED CAST IRON, GALVANIZED CAST IRON, VANDAL-PROOF SECURED TOP.

FLOOR/WALL CLEANOUT SCHEDULE			
TAG	DESCRIPTION	MANUFACTURER & MODEL	REMARKS
FCO-1	FLOOR CLEANOUT	ZURN Z-1400-4NH-VP	DURA-COATED CAST IRON BODY WITH THREADED ABS PLUG, HEAVY DUTY SECURED TOP, VANDAL-RESISTANT, ROUND SCORATED COVER, LINE SIZE, NO HUB.
FCO-2	FLOOR CLEANOUT	ZURN Z-1400-3NH-VP	DURA-COATED CAST IRON BODY WITH THREADED ABS PLUG, HEAVY DUTY SECURED TOP, VANDAL-RESISTANT, ROUND SCORATED COVER, LINE SIZE, NO HUB.
FCO-3	FLOOR CLEANOUT	ZURN Z-1400-2NH-VP	DURA-COATED CAST IRON BODY WITH THREADED ABS PLUG, HEAVY DUTY SECURED TOP, VANDAL-RESISTANT, ROUND SCORATED COVER, LINE SIZE, NO HUB.
YCO-4	AT-GRADE YARD CLEANOUT	ZURN Z-1400-6NH-AR-G-VP	DURA-COATED CAST IRON BODY WITH THREADED ABS PLUG, HEAVY DUTY SECURED TOP, ACID RESISTING EPOXY COATED FINISH, GALVANIZED CAST IRON, VANDAL-RESISTANT, ROUND SCORATED COVER, LINE SIZE, NO HUB.
WCO-1	WALL CLEANOUT	ZURN Z-1446-2NH-VP	VANDAL-RESISTANT STAINLESS STEEL COVER STAINLESS STEEL SCREW LENGTH AS REQUIRED. CONTRACTOR SHALL PROVIDE PIPE WITH THREADED ABS PLUG AND FITTING.
WCO-2	WALL CLEANOUT	ZURN Z-1446-4NH-VP	VANDAL-RESISTANT STAINLESS STEEL COVER STAINLESS STEEL SCREW LENGTH AS REQUIRED. CONTRACTOR SHALL PROVIDE PIPE WITH THREADED ABS PLUG AND FITTING.
WCO-3	WALL CLEANOUT	ZURN Z-1446-3NH-VP	VANDAL-RESISTANT STAINLESS STEEL COVER STAINLESS STEEL SCREW LENGTH AS REQUIRED. CONTRACTOR SHALL PROVIDE PIPE WITH THREADED ABS PLUG AND FITTING.

EXPANSION TANK SCHEDULE			
SYMBOL	MANUFACTURER	MODEL	REMARKS
ET-1	BLUEFIN	EX3	TANK VOLUME 3.2 GALLONS, 3/4" NPT SYSTEM CONNECTION, STEEL SHELL, HEAVY DUTY BUTYL DIAPHRAGM, ANTIMICROBIAL POLYPROPYLENE LINER, MAXIMUM WORKING PRESSURE OF 150 PSIG, 50 PSI FACTORY PRE-CHARGE, 200°F MAXIMUM OPERATING TEMPERATURE. EXPANSION TANK SHALL BE SUPPORTED INDEPENDENTLY ACCORDING TO MFR'S INSTRUCTIONS.

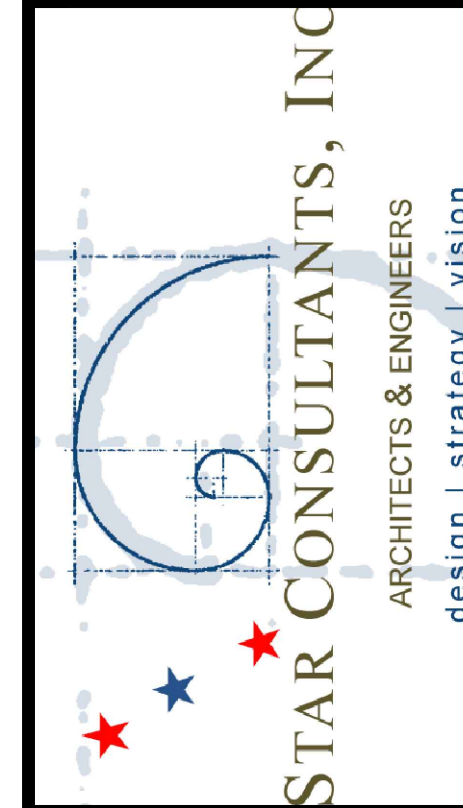
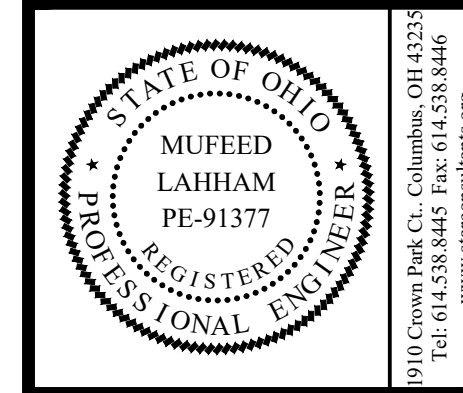
WATER METER SCHEDULE			
SYMBOL	MANUFACTURER	MODEL	REMARKS
WM-1	NEPTUNE	T-10	2" SIZE, MAGNETIC DRIVEN, LOW-TORQUE, LEAD-FREE COPPER ALLOY, NSF/ANSI 61 AND 372 CERTIFIED.

HOT WATER RETURN CIRCULATION PUMP SCHEDULE										
SYMBOL	NO. REQ'D	MFG	TYPE	MODEL	CONNECTION SIZE (IN)	CAPACITY (GPM)	HEAD (FEET)	Power (HP)	ELECTRICAL DATA	NOTES
HWRC-1	1	BELL & GOSSETT	MOTOR DRIVEN PUMP	NBF-36	1-1/4"	10	20	1/6	115 V / 60 HZ / 270 WATTS	1-3

NOTES:

1. 3-STAGE DOMESTIC HOT WATER RETURN CIRCULATING PUMP. STAINLESS STEEL BODY.
2. COMPLY WITH NSF 372.
3. CONTRACTOR SHALL PROVIDE AUTOMATIC TIMER AND AQUASTAT ACCESSORIES.

REVISIONS		REMARKS
REV#	DATE	DESCRIPTION
1	12/09/2023	AHJ RESPONSE
2	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION

FACD08 RESTROOMS AT PREBLE TRUCK PARKING

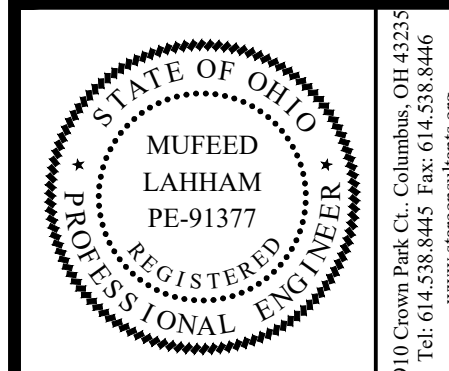
1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

PLUMBING SCHEDULES

PJT #: 25009
 DATE: 10/24/2025
 DRN. BY: TA/HY
 DGN. BY: ML
 REV. BY: ML

SHEET
P.601

REVISIONS		DATE	REMARKS
REV#	1	12/09/2025	AH/RESPONSE
	2	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

PLUMBING SCHEDULES

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	HY
DGN. BY:	HY
REV. BY:	ML

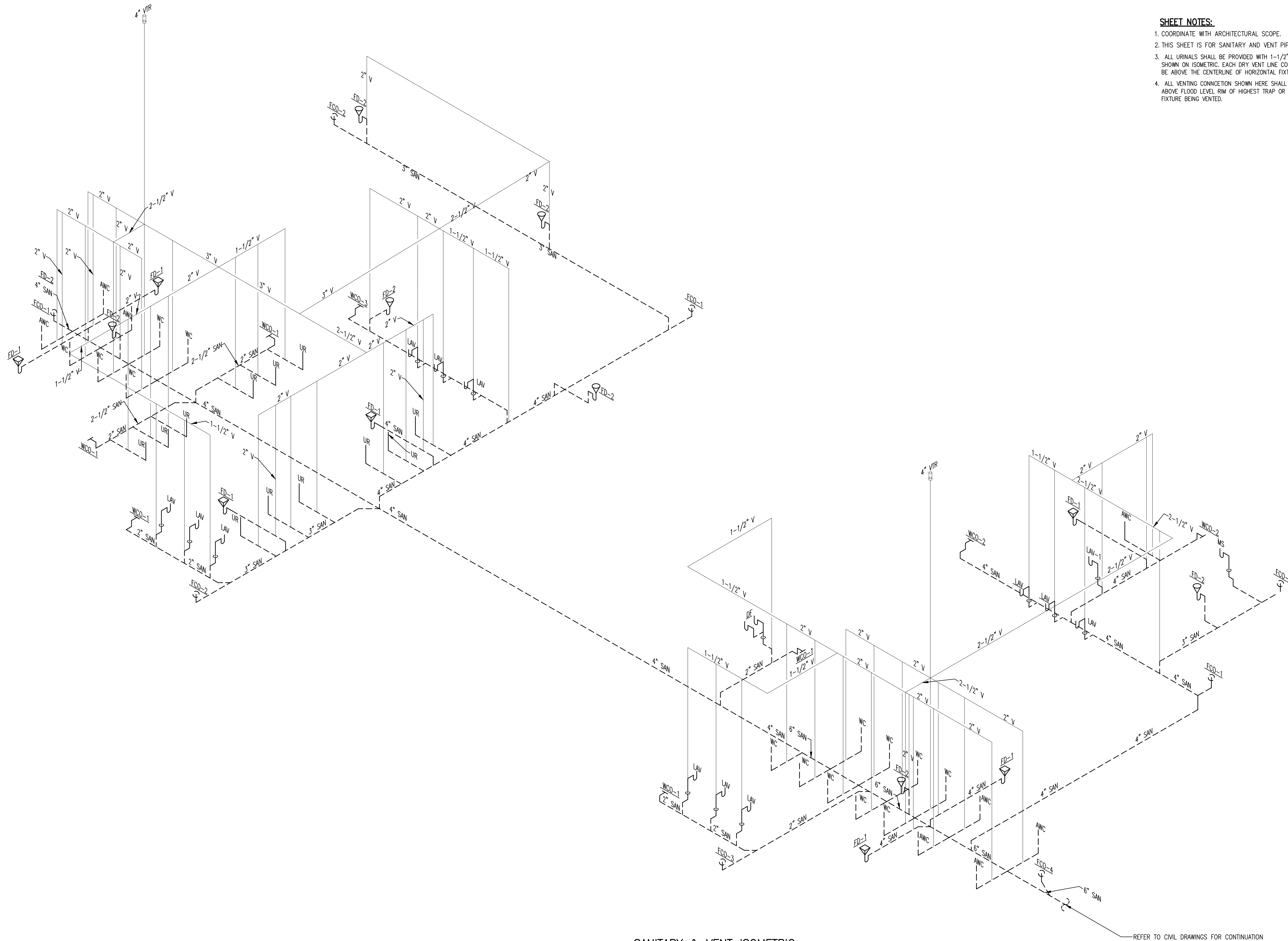
SHEET
P.602

PLUMBING FIXTURE SCHEDULE

LABEL/TAG	DISCRIPTION	MANUFACTURER	MODEL NO.	MATERIAL DESCRIPTION	TRIM					FLOW FIXTURE		FLUSH FIXTURE		PIPE CONNECTIONS				SPECIFICATIONS	
					MANUFACTURER	MODEL NO.	FINISH	TYPE	MOTION SENSOR CONTROL	FLOW	TIMER DURATION (SEC)	VOLUME PER FLUSH	MIN. VOLUME PER FLUSH	SANITARY ROUGH-IN PIPE DIAMETER	VENT PIPE DIAMETER	COLD WATER ROUGH-IN PIPE DIAMETER	HOT WATER ROUGH-IN PIPE DIAMETER	COMMENTS	REMARKS
HB-1	HOSE BIBB	ZURN	Z1341-BFP	ROUGH BRONZE	-	-	-	-	-	-	-	-	-	3/4"	-	1/2"	-	INTERIOR HOSE BIBB WITH BACKFLOW PREVENTER AND 3/4" HOSE THREAD OUTLET. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.	PROVIDE WITH CHAINED CAP FOR 3/4" HOSE THREAD.
HYD-1	NON-FREEZE WALL HYDRANT	ZURN	Z1320XL-CL	STAINLESS STEEL	-	-	CHROME	-	-	2.5 GPM	-	-	-	3/4"	-	3/4"	-	WALL HYDRANT WITH STAINLESS STEEL RECESSED BOX AND LOCKABLE HINGED COVER, VALVE ON THE INSIDE OF THE WALL, AND SPOUT WITH BACKFLOW PREVENTER. COORDINATE OVERALL HYDRANT LENGTH TO ENSURE VALVE IS ON INSIDE OF WALL. PROVIDE SHUTOFF VALVE IN ACCESSIBLE LOCATION.	PROVIDE WITH "I" HANDLE KEY AND CYLINDER LOCK KEY.
LAV	LAVATORY - WALL HUNG	ZURN	Z5120	19" ROUND WHITE VITREOUS CHINA	ZURN	Z6913-XL	CHROME	ELECTRONIC	YES	0.5 GPM	12	-	-	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG LAVATORY, SINGLE FAUCET HOLE, DECK-MOUNTED FAUCET WITH SENSOR, AC POWERED WITH VANDAL RESISTANT AERATOR.	PROVIDE WITH ASSE 1070 THERMOSTATIC MIXING VALVE, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH INSULATION KIT.
LAV-1	LAVATORY - WALL HUNG - ADA	AMERICAN STANDARD	DECORUM 9024.001EC	WHITE VITREOUS CHINA	ZURN	Z6913-XL	CHROME	ELECTRONIC	YES	0.5 GPM	12	-	-	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG LAVATORY, SINGLE FAUCET HOLE, DECK-MOUNTED FAUCET WITH SENSOR, AC POWERED WITH VANDAL RESISTANT AERATOR.	PROVIDE WITH ASSE 1070 THERMOSTATIC MIXING VALVE, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH INSULATION KIT.
MS	JANITOR SINK	FIAT	MSB-2424	MOLDED STONE	CHICAGO FAUCET CO	897-CP	CHROME	MANUAL	NO	2.5 GPM	-	-	-	3"	1-1/2"	3/4"	3/4"	SERVICE BASIN WITH STAINLESS STEEL COMBINATION DOME STRAINER AND LINT BASKET. FAUCET SHALL INCLUDE VACUUM BREAKER SPOUT WITH PAIL HOOK AND WALL BRACE.	PROVIDE WITH FIAT MODEL 832-AA HOSE BRACKET, MODEL 889-CC MOP HANGER, MODEL MSG2424 WALL GUARDS ON ABUTTING WALLS, AND VINYL BUMPER GUARDS ON ALL EXPOSED SIDES.
UR	URINAL - WALL HUNG - BACK SPUD	AMERICAN STANDARD	WASHBROOK 6515.011	WHITE VITREOUS CHINA	ZURN	ZEMS6195A V-HYMOB	CHROME	ELECTRONIC	YES	-	-	0.50 GAL	0.50 GAL	2"	1-1/2"	3/4"	-	WALL HUNG URINAL WITH WASHOUT ACTION, REAR SPUD, SIZE 18" WITH INTEGRAL EXTENDED SHIELDS SUPPORTED BY THROUGH GOING BOLTS AND C.P. NUTS, WITH AC POWERED SENSOR ACTIVATED FLUSHOMETER WITH TRUE MECHANICAL OVERRIDE.	PROVIDE WITH HEAVY-DUTY CARRIER.
WC	WATER CLOSET - REAR OUTLET - FLUSH VALVE	AMERICAN STANDARD	PRIOLO 3697001.020	WHITE VITREOUS CHINA	ZURN	ZEMS6195A V-HYMOB	CHROME	ELECTRONIC	YES	-	-	1.60 GAL	1.60 GAL	4"	2"	1"	-	ELONGATED FLOOR MOUNTED WATER CLOSET WITH REAR OUTLET, 1-1/2" REAR SPUD, WITH AC POWERED SENSOR ACTIVATED FLUSHOMETER WITH TRUE MECHANICAL OVERRIDE.	PROVIDE WITH AMERICAN STANDARD #5905.100 ELONGATED OPEN FRONT SEAT.
AWC	WATER CLOSET - REAR OUTLET - FLUSH VALVE - ADA	AMERICAN STANDARD	MADERA 2234.001.020	WHITE VITREOUS CHINA	ZURN	ZEMS6195A V-HYMOB	CHROME	ELECTRONIC	YES	-	-	1.60 GAL	1.60 GAL	4"	2"	1"	-	ELONGATED FLOOR MOUNTED WATER CLOSET WITH REAR OUTLET, 1-1/2" REAR SPUD, WITH AC POWERED SENSOR ACTIVATED FLUSHOMETER WITH TRUE MECHANICAL OVERRIDE.	PROVIDE WITH 120 VAC/24VAC TRANSFORMER AND AMERICAN STANDARD #5905.100 ELONGATED OPEN FRONT SEAT.

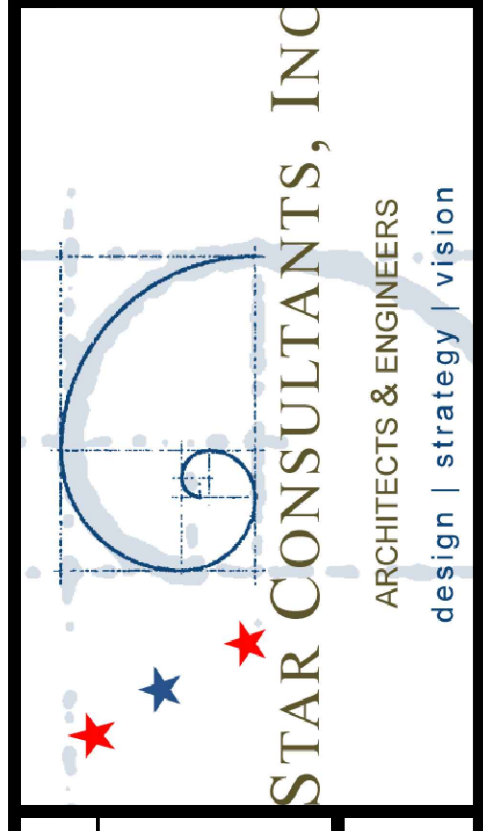
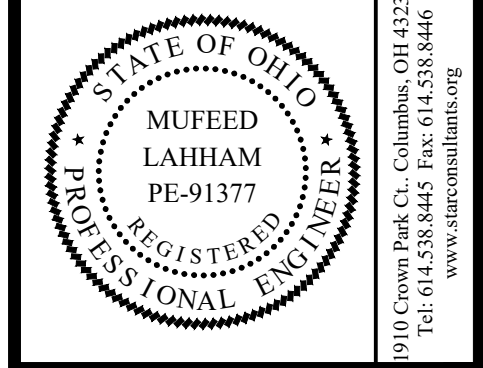
PIPE ACCESSORY SCHEDULE

LABEL	DISCRIPTION	MANUFACTURER	MODEL NO.	MATERIAL DESCRIPTION	SIZE	CONNECTION SIZE	FIXTURE UNIT CAPACITY	REMARKS
SA-1	SHOCKTROL WATER HAMMER ARRESTOR	ZURN	Z1700	STAINLESS STEEL	100	3/4"	1-11 WSFU	-



- SHEET NOTES:**
1. COORDINATE WITH ARCHITECTURAL SCOPE.
 2. THIS SHEET IS FOR SANITARY AND VENT PIPING ISOMETRIC.
 3. ALL URINALS SHALL BE PROVIDED WITH 1-1/2" VENT LINE AS SHOWN ON ISOMETRIC. EACH DRY VENT LINE CONNECTION SHALL BE ABOVE THE CENTERLINE OF HORIZONTAL FIXTURE DRAIN.
 4. ALL VENTING CONNECTION SHOWN HERE SHALL RISE MIN. 6" ABOVE FLOOD LEVEL RIM OF HIGHEST TRAP OR TRAPPED FIXTURE BEING VENTED.

REV#	DATE	REMARKS
1	12/09/2025	AHJ RESPONSE
2	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

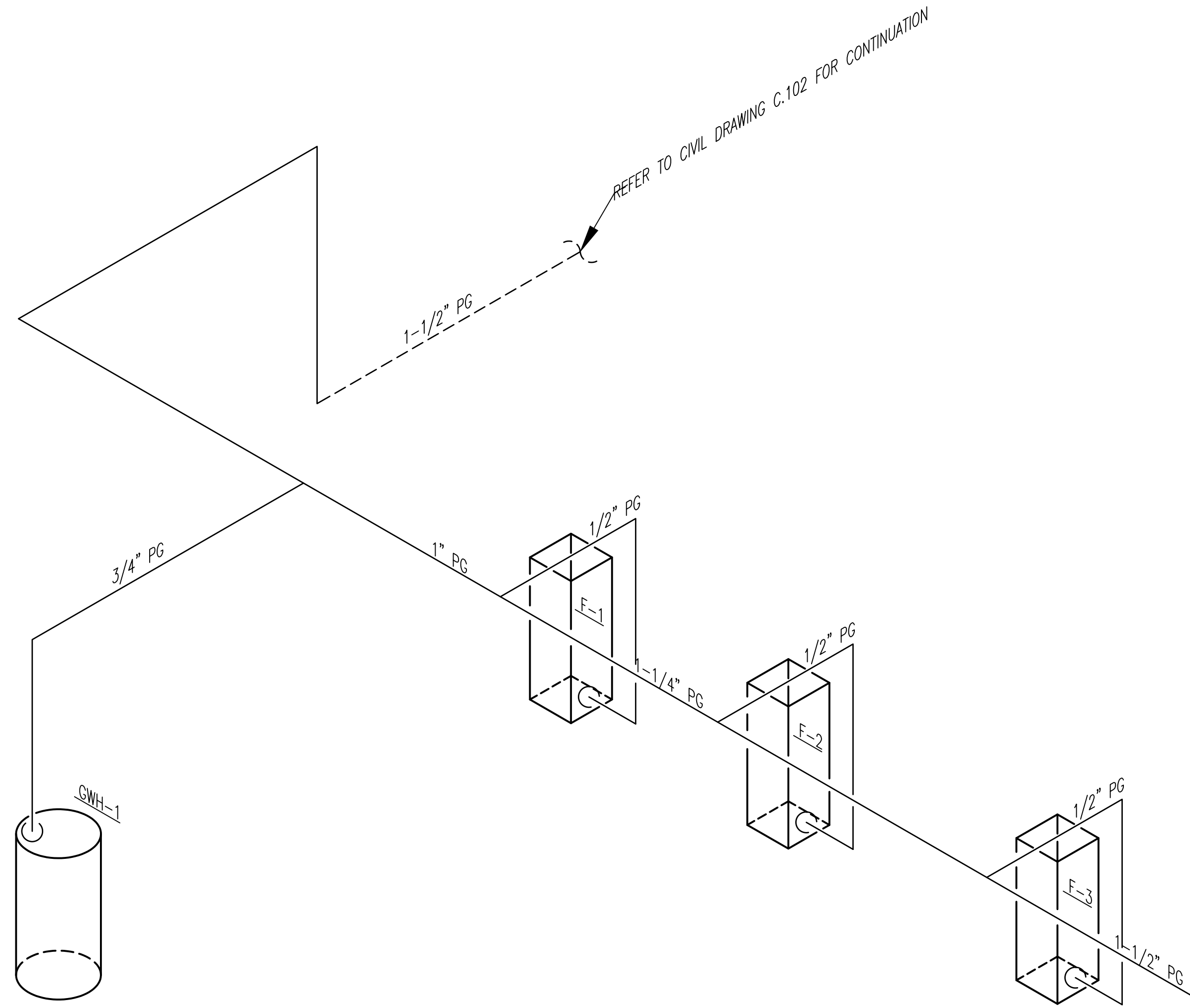
PLUMBING SANITARY & VENT ISOMETRIC

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	AI/HY
DGN. BY:	AI
REV. BY:	ML

SHEET
P.701

A SANITARY & VENT ISOMETRIC
 NTS

REFER TO CIVIL DRAWINGS FOR CONTINUATION



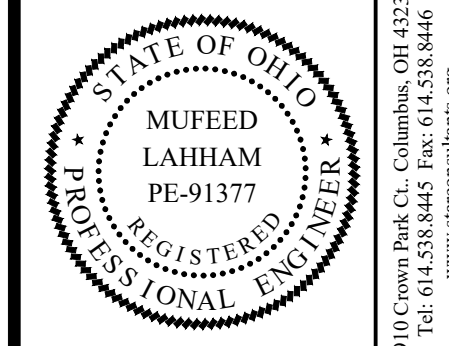
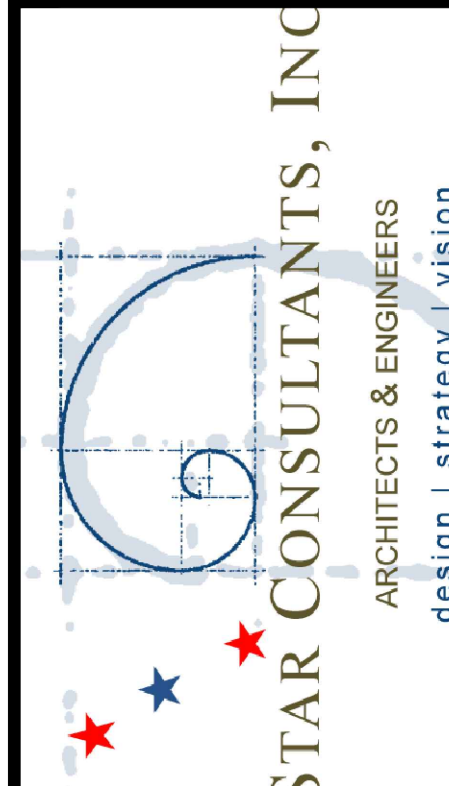
Ⓐ PROPANE GAS ISOMETRIC
NTS

REFER TO CIVIL DRAWING C.102 FOR CONTINUATION

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	TA
DGN. BY:	TA
REV. BY:	ML

SHEET
P.801

OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
PROPANE GAS ISOMETRIC



REV#	DATE	REMARKS
1	12/09/2025	AHJ RESPONSE
2	02/04/2026	BID SET

0100 Crow Peak Ct., Columbus, OH 43235
 Tel: 614.538.8445 Fax: 614.538.8446
 www.starconsultants.com

ELECTRICAL SCOPE OF WORK:

RESTROOM BUILDING

ELECTRICAL SERVICE FOR THE SITE IS A 7.2KV PBI/480 V SEC 3-PHASE TRANSFORMER LOCATED AT THE FAR WEST BORDER OF THE PROPERTY. A NEW SERVICE FEEDER CONSISTING OF #4500KCMIL COPPER CONDUCTORS IN 4" PVC IS TO RUN UNDERGROUND TO THE WEST END OF THE RESTROOM BUILDING, STUBBING UP INTO A PULL BOX IN THE MECHANICAL/ELECTRICAL ROOM. FROM THE PULL BOX, ALL CONDUCTORS ARE TO BE EXTENDED TO A 50KVA 480V-3PH PBI/208V-3PH SEC STEPDOWN TRANSFORMER. THE TRANSFORMER PROVIDES 208Y/120V TO BRANCH PANELBOARDS "A" AND "B" LOCATED IN THE MECHANICAL/ELECTRICAL ROOM.

EMERGENCY EGRESS LIGHTING WILL BE ACCOMPLISHED THROUGH LIGHT FIXTURES EQUIPPED WITH BACKUP BATTERY PACKS< WELL DISTRIBUTED THROUGHOUT THE BUILDING.

SITE LIGHTING IN THE AREA IMMEDIATELY SURROUNDING THE BUILDING IS PROVIDED BY WALL PACKS MOUNTED ON THE EAST AND WEST EXTERIOR WALLS

SITE LIGHTING DISTANT FROM THE BUILDING, IN ENTRANCE AND EXIT ROADWAYS, AROUND VEHICLE PARKING AREAS, WILL BE PROVIDED BY A SYSTEM OF POLE MOUNTED LIGHT FIXTURES ENGINEERED BY OTHERS.

- INSTALL ANY NEW OR RELOCATED DUCT MOUNTED SMOKE DETECTORS AND REPROGRAM THEM TO FIRE ALARM PANEL. CONTRACTOR SHALL ENSURE THAT FIRE MARSHALL IS PRESENT TO WITNESS TESTING OF NEW DUCT MOUNTED SMOKE DETECTORS.
- GENERATOR FEEDERS, BRANCH CIRCUITS, AND CONTROL WIRING TO BE FED TO LODGE BUILDING, TO THE AUTOMATIC TRANSFER SWITCHES. FEEDER CIRCUITS TO BE RUN UNDER EXISTING CONCRETE RAMP AT LODGE MECHANICAL ROOM. EXISTING CONCRETE RAMP SHALL BE DEMOLISHED, AND THEN RESTORED AFTER COMPLETION OF ELECTRICAL WORK.
- PROVIDE CONCRETE EQUIPMENT PADS AS INDICATED IN ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR NEW ELECTRICAL EQUIPMENT.
- PROVIDE NEW GROUNDING FOR NEW SERVICE PER NEC.
- ALL PANELS, SW BOARDS, AND DISTRIBUTION PANELS EXISTING LOADS TO BE TRACED AND IDENTIFIED WHAT LOAD IS AND TYPED INTO PANEL SCHEDULE.
- ALL EXISTING BRANCH WIRING IN THE LODGE AND CONFERENCE AREA UNLESS STATED OTHERWISE IS EXISTING TO REMAIN AND BE RECONNECTED BACK TO THE NEW PANEL.
- EXISTING CONDUITS IN THE LODGE AREA ARE USED AS GROUND PER NEC 358.60. ELECTRICAL CONTRACTOR TO TEST ALL THE EXISTING CONDUITS IF THEY ARE PROPERLY GROUNDED. IF EXISTING CONDUIT IS NOT GROUNDED PROPERLY THEN ADD WIRE AND ACCESSORIES AS NEEDED TO GROUND THE EXISTING CONDUIT. CONFERENCE AREA HAS GROUND WIRES IN THE CONDUIT.
- PROVIDE TYPED SCHEDULE FOR EACH PANELBOARD, FOLLOWING DESCRIPTIONS PROVIDED IN THE PANEL SCHEDULES ON SHEET E.103
- PROVIDE NEW LIGHTNING PROTECTION SYSTEM

OTHER DISTRIBUTION PANELS, BRANCH PANELS IN GUEST AREA, MECHANICAL AND PLUMBING EQUIPMENT SHALL BE REPLACED. PROVIDE REQUIRED ELECTRICAL DEMOLITION AND RE-CIRCUITING. GUEST ROOMS HAVE BRANCH WIRING FOR THREE DIFFERENT CIRCUITS PER ROOM THAT WILL HAVE NEW WIRING AND CONDUITS. ALL WORK AS PER PLANS AND SPECIFICATIONS SHALL BE ACCEPTABLE TO AHJ. SCOPE OF WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- INSTALL ANY NEW OR RELOCATED SMOKE DETECTORS AND REPROGRAM THEM TO FIRE ALARM PANEL. CONTRACTOR SHALL ENSURE THAT FIRE MARSHALL IS PRESENT TO WITNESS TESTING OF NEW OR RELOCATED SMOKE DETECTORS.
- GENERATOR FEEDERS, BRANCH CIRCUITS, AND CONTROL WIRING TO BE FED TO GUEST AREA, TO THE AUTOMATIC TRANSFER SWITCHES. TRENCH UNDER THE DECK INTO NEW ELECTRICAL ROOM TO FEED ATS.
- PROVIDE CONCRETE EQUIPMENT PADS AS INDICATED IN ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR NEW ELECTRICAL EQUIPMENT.
- PROVIDE ATS'S, MTS, CONTROL PANELS AND ANY OTHER REQUIRED EQUIPMENT FOR GENERATOR.
- PROVIDE NEW GROUNDING FOR NEW SERVICE PER NEC.
- DEMOLISH THE EXISTING LIGHTNING PROTECTION SYSTEM. PROVIDE NEW LIGHTNING PROTECTION SYSTEM FOR ALL THE ROOFS OF LODGE AND GUEST WING AREA.

ELECTRICAL ABBREVIATIONS

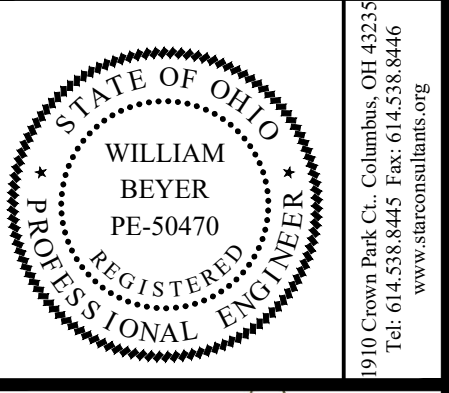
NOTE: NOT ALL ABBREVIATIONS SHOWN HERE APPEAR IN SUBSEQUENT DRAWINGS.

A, AMP	AMPERE	FA	FIRE ALARM	N	NORTH
A/C	AIR CONDITIONING	FACP	FIRE ALARM CONTROL PANEL	NC	NORMALLY CLOSED
AB	ANCHOR BOLT	FCU	FAN COIL UNIT	NEC	NATIONAL ELECTRIC CODE
ABV	ABOVE	FDR	FEEDER	NL	NIGHT LIGHT
AFF	ABOVE FINISHED FLOOR	FLEX	FLEXIBLE	NO	NORMALLY OPEN
AFG	ABOVE SUSPENDED GRADE	FLR	FLOOR	NTS	NOT TO SCALE
AHU	AIR HANDLING UNIT	FLUOR	FLUORESCENT	OC	ON CENTER(S)
AL	ALUMINUM	FRACT	FRACTIONAL	P/T	POTENTIAL TRANSFORMER
ARCH	ARCHITECT(URAL)	FSBL	FUSIBLE	PA	PUBLIC ADDRESS
ASC	ABOVE SUSPENDED CEILING	FT	FEET	PB	PUSHBUTTON
AUTO	AUTOMATIC	FURN	FURNISHED	PH	PHASE
AUX	AUXILIARY	G, GRD	GROUND	PNL	PANEL
AWG	AMERICAN WIRE GAUGE	GA	GAUGE	PRI	PRIMARY
AHJ	AUTHORITY HAVING JURISDICTION	GALV	GALVANIZED	PSI	POUNDS PER SQUARE INCH
BD	BOARD	GC	GENERAL CONTRACT(OR)	PVC	POLYVINYL CHLORIDE
BEL	BELOW	GENR	GENERATOR	PVMT	PAVEMENT
BFG	BELOW FINISHED GRADE	GF	GROUND FAULT CIRCUIT INTERRUPTER	PWR	POWER
BLDG	BUILDING	GRC	GALVANIZED RIGID STEEL CONDUIT	QTY	QUANTITY
BRKR	BREAKER	GTD	GENERATOR TRANSFER DEVICE	RECPT	RECEPTACLE
BTM	BOTTOM	HOA	HAND OFF AUTO SELECTOR SWITCH	REQD	REQUIRED
BVL	BEVELED	HP	HORSEPOWER	REV	REVISION(S), REVISED
C, COND	CONDUIT	HT	HEIGHT	RM	ROOM
C/B	CIRCUIT BREAKER	HTG	HEATING	RPM	REVOLUTIONS PER MINUTE
C/C	CENTER TO CENTER	HVAC	HEATING/VENTILATION/AIR COND.	SCH	SCHEDULE
C/T	CURRENT TRANSFORMER	HZ	HERTZ	SHT	SHEET
CAB	CABINET	IMC	INTERMEDIATE METALLIC CONDUIT (STEEL)	SPD	SURGE PROTECTION DEVICE
CAT	CATEGORY	IN	INCH	SPEC(S)	SPECIFICATION(S)
CCT	CIRCUIT	JB	JUNCTION BOX	SPK	SPEAKER
CLG	CEILING	JUNC	JUNCTION	SQ FT	SQUARE FOOT
COL	COLUMN	KAIC	KILO AMPERE INTERRUPTING CAPACITY	SS	STAINLESS STEEL
CONC	CONCRETE	KV	KILOVOLT	STD	STANDARD
CONN	CONNECTION/CONNECTOR	KVA	KILOVOLT-AMPRE	STR	STRUCTURAL
CONST	CONSTRUCTION	KW	KILOWATT	SUSP	SUSPENDED
CONT	CONTROL	KWH	KILOWATT-HOUR	SW	SWITCH
CONTR	CONTRACT(OR)	L	LENGTH	SWBD	SWITCHBOARD
COORD	COORDINATE	LC	LIGHTING CONTROL	SYS	SYSTEM
CTR	CENTER	LTG	LIGHTING	TELE	TELEPHONE
CU	COPPER	LSI	LONG TIME,SHORT TIME, INSTANTANEOUS	TEMP	TEMPERATURE
CUH	CABINET UNIT HEATER	LV	LOW VOLTAGE	TFMR	TRANSFORMER
D/C	DATA/COMMUNICATION LINE	M	METER(S)	TS	TAMPER SWITCH
DC	DIRECT CURRENT	MAN	MANUAL	TSTAT	THERMOSTAT
DIA	DIAMETER	MATL	MATERIAL(S)	TV	TELEVISION
DISC	DISCONNECT	MAX	MAXIMUM	TYP	TYPICAL
DN	DOWN	MCC	MOTOR CONTROL CENTER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
DWGS	DRAWINGS	MDP	MAIN DISTRIBUTION PANEL	UH	UNIT HEATER
EA	EACH	MECH	MECHANICAL	UV	UNIT VENTILATOR
EC	ELECTRICAL CONTRACTOR	MFR	MANUFACTUR(ER)	W/O	WITHOUT
EF	EXHAUST FAN	MH	MANHOLE	WP	WEATHERPROOF
EL	ELEVATION	MIN	MINIMUM		
ELEC	ELECTRIC(AL)	MISC	MISCELLANEOUS		
ELEV	ELEVATOR	MTD	MOUNT(ED)		
EWC	ELECTRIC WATER COOLER	MTG	MOUNT(ING)		
EPO	EMERGENCY POWER (SHUT)OFF	MTL	METAL		
(E)	EXISTING	MTR	MOTOR		

GENERAL ELECTRICAL NOTES

- CONTRACTOR TO MAINTAIN A QUIET AND ORDERLY JOB SITE, SO AS TO NOT BE DISRUPTIVE TO ADJACENT FLOOR OCCUPANTS AND REMOVE EXCESS MATERIAL/TRASH ON A DAILY BASIS.
- THE CONTRACTOR(S) SHALL DESIGN, FURNISH AND INSTALL MATERIALS AND EQUIPMENT TO COMPLETE ALL WORK AND PROVIDE A COMPLETED PROJECT. THE CONTRACTOR(S) SHALL COORDINATE FIRE ALARM SYSTEM INTERFACE WITH OTHER BUILDING SYSTEMS.
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL AND STATE CODES, ORDINANCES, OR OTHER AGENCIES HAVING LAWFUL JURISDICTION OVER THE WORK, AND SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
- THE CONTRACTOR(S) SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED AND SHALL ALSO SECURE AND PAY FEES REQUIRED BY THE UTILITY COMPANIES IN CONNECTION WITH THE WORK.
- THE DRAWINGS ARE SCHEMATIC. LOCATION OF EQUIPMENT, FIXTURES, PIPING AND OTHER ELECTRICAL WORK, IS INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE CONTRACTOR(S) SHALL DETERMINE EXACT LOCATIONS AND DIMENSIONS ON THE JOB, SUBJECT TO JOB CONDITIONS AND WORK BY OTHER CONTRACTORS OR EXISTING CONDITIONS. VERIFY CONNECTIONS TO EQUIPMENT PRIOR TO STARTING WORK.
- THE DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR(S) SHALL EXECUTE THE WORK COMPLETELY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS, WITHOUT INCREASE IN COST TO OWNER, ARCHITECT OR CONTRACTOR(S).
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE SAFETY STANDARDS, REGULATIONS AND/OR CODES AS REGULATED BY THE GOVERNING AGENCIES HAVING AUTHORITY AND/OR JURISDICTION.
- THE CONTRACTOR(S) SHALL FURNISH AND INSTALL ALL SUPPORTS AS REQUIRED FOR EQUIPMENT, PROVIDED BY THEM.
- WIRING CONDUCTORS FOR POWER AND LIGHTING SHALL BE U.L. LABELED, COPPER MINIMUM SIZE OF #12 EXCEPT #14 MAY BE USED FOR CONTROL WIRING OR WHERE OTHERWISE SPECIFICALLY SHOWN. INSULATION SHALL BE THAT PERMITTED FOR THE TYPE OF USE OR CONDITION IN ACCORDANCE WITH GOVERNING CODES PARTICULARLY THE NATIONAL ELECTRIC CODE (NEC).
- ALL NEW DEVICES INSTALLED IN NEW PANELBOARDS SHALL BE COMPATIBLE WITH PANELBOARDS, ETC. AND PROPERLY RATED FOR LOAD AND CONDITION.
- ALL EQUIPMENT/DEVICES PROVIDED AND INSTALLED SHALL BE U.L. APPROVED.
- ALL FIRE RATED WALLS SHALL MAINTAIN UL RATING ASSEMBLIES AT THE WALL PENETRATION LOCATIONS.
- ALL NEW WORK SHALL BE COORDINATED WITH EXISTING CONDITIONS AND OTHER CONTRACTORS' WORK.
- ALL WIRE SHALL BE IN CONDUIT, MINIMUM SIZE 3/4" UNLESS OTHERWISE NOTED OR APPROVED. RACEWAY TO BE USED FOR EXPOSED AREAS. CONDUIT SHOULD NOT BE CONSPICUOUS MATCH EXISTING AESTHETICS AND METHODOLOGY FOR CONDUITS AND WIRING-SUBMIT.
 - CONDUIT SHALL BE RIGID METAL CONDUIT WHERE SUBJECT TO PHYSICAL DAMAGE UNLESS NOTED OTHERWISE. (LIQUID-TIGHT FLEXIBLE CONDUIT FOR EQUIPMENT CONNECTIONS - NOT EXCEED 3 FEET).
 - EXTEND EXISTING RIGID CONDUIT USING RIGID CONDUIT.
 - EMT CONDUIT SHALL BE USED WHERE SPECIFIED IN DRAWINGS AND SPECIFICATIONS AND MAY BE USED IN OTHER LOCATIONS WHERE NOT SUBJECT TO DAMAGE; ABOVE 8' OR ABOVE LAY-IN CEILINGS.
 - PVC CONDUIT SHALL BE USED WHERE SPECIFIED IN DRAWINGS AND SPECIFICATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR COORDINATION OF OTHER TRADES. GENERAL ARCHITECTURAL NOTES SHALL APPLY TO THIS WORK AS PERTINENT.
- COMMUNICATION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH NEC AND/OR NFPA. ALL EQUIPMENT, INCLUDING DEVICES, ETC. FOR COMMUNICATION SYSTEMS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF NEC AND/OR NFPA.
- ALL EQUIPMENT AND MATERIALS ARE TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- ANY EXPOSED WIRE BEING EXTENDED THRU A RETURN AIR PLENUM, SUCH AS TELEPHONE & DATA WIRE FOR COMMUNICATION ETC., SHALL BE PLENUM RATED.
- ALL WORK IS TO BE COMPLETED BY WORKERS LICENSED IN THEIR TRADE, I.E.; ELECTRICIAN, PLUMBER, CARPENTER AND MECHANICAL TECH.
- ALL FLOOR, WALL, AND CEILING PENETRATIONS THAT REQUIRE CORE DRILLING SHALL BE PATCHED AND SEALED WITH FIRE PROOFING. ANY DAMAGE TO SURFACES DUE TO ELECTRICAL SCOPE SHALL BE REPAIRED TO MATCH ORIGINAL FINISHES. REPAIRS SHALL BLEND INTO EXISTING SURFACES. IF COLOR MATCH CANNOT BE OBTAINED PAINT THE ENTIRE SURFACE. NEW WORK TO BE RUN AS CONCEALED. BY ROUTING CONDUIT/RACEWAYS IN NEW WALLS, IN EXISTING CHASES, RE-USING ABANDONED CONDUITS, OR RUNNING SURFACE MOUNTED WIRE MOLDING HORIZONTALLY NEAR FLOOR OR VERTICALLY IN CORNERS AND PAINTING THEM TO MATCH EXISTING. IN AREAS WHERE NEW WORK IS NOT ABLE TO CONCEAL SEEK ENGINEER'S APPROVAL TO RUN RACEWAYS VERTICALLY OR HORIZONTALLY ON THE WALLS OR CEILINGS TO DEVICES. EXPOSED CONDUCTORS, CONDUIT OR OTHER RACEWAYS ARE TO BE PURCHASED OR PAINTED A COLOR TO BLEND WITH IMMEDIATE SURROUNDINGS. COLORS ARE TO BE COORDINATED WITH THE ARCHITECT.
- EXISTING FIRE ALARM SYSTEM TO BE MODIFIED AS NEEDED FOR ANY DUCT MOUNTED SMOKE DETECTORS OR OTHER MISC FIRE ALARM DEVICES MODIFIED, RELOCATED OR ADDED FOR THIS PROJECT. FIRE ALARM WORK IS TO BE SCHEDULED, LODGE OPERATION SHALL CONTINUE, COORDINATE TWO WEEK AHEAD AS DIRECTED BY DIVISION 01.
- FIRE ALARM SYSTEM MODIFICATIONS SHALL BE DONE BY AN OHIO LICENSED FIRE ALARM COMPANY REGISTERED WITH STATE/FIRE MARSHALL; THIS COMPANY CAN BE SUB CONTRACTOR TO THE SINGLE PRIME CONTRACTOR. FIRE ALARM NOTIFICATION DEVICES ARE LOCATED BY A & E WITH THE INTENT TO MEET ALL APPLICABLE CODES. THIS CONTRACTOR IS RESPONSIBLE FOR PREPARING FIRE ALARM DRAWINGS BY A NICET CERTIFIED PROFESSIONAL AND OBTAINING THE FIRE ALARM PERMIT THAT MEET APPLICABLE CODES (DEVICE PLACEMENT, CANDELA LEVELS, NUMBER OF DEVICES, HORN AND SPEAKER DECIBEL LEVELS) FROM THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE COMPLETE PERMITTED SYSTEM IF THIS REQUIRES ANY ADDITIONAL DEVICES THAN SHOWN ON A & E DRAWINGS FOR ADEQUATE COVERAGE SHALL BE ADDED BY THE CONTRACTOR AND THE COST OF SAME SHALL BE INCLUDED IN THE BID. ANY SCOPE THAT RELATE TO F/A SYSTEMS NEED TO BE TESTING IN PRESENCE OF AHJ.
- SYSTEM SUPPLIER SHALL SUPERVISE INSTALLATION, PROGRAM AND TEST SYSTEM, AND INSTRUCT OWNER ON SYSTEM OPERATION.
- ALL FIRE ALARM WIRING SHALL BE IN RACEWAY (EXPOSED) AND 3/4" CONDUIT (CONCEALED). ALL WIRING SHALL BE VERIFIED WITH THE SYSTEM SUPPLIER PRIOR TO BID. ALL RACEWAY TO BE PAINTED TO COLOR OF THE AREA COORDINATE WITH OWNER ON EXACT COLOR. MATCH EXISTING AESTHETICS AND METHODOLOGY FOR CONDUITS AND WIRING-SUBMIT.
- ALL CONTROL CABINETS/PANELS SHALL BE GROUNDED PER N.E.C. REQUIREMENTS AND SPECIFICATIONS.
- ALL WIRING FOR FIRE ALARM SYSTEM TO BE FIRE ALARM RATED.
- NEC 2017 AND NFPA 72 2016 ARE CURRENT CODES THAT MUST BE FOLLOWED.
- ALL DRAWINGS AND SPECIFICATIONS ARE TO BE FOLLOWED. IF THE DRAWINGS CONFLICT WITH SPECIFICATIONS WHATEVER IS MORE REQUIRED IS TO BE FOLLOWED.

REV#	DATE	REMARKS
01	02/04/2026	BID SET



STAR CONSULTANTS, INC.
 ARCHITECTS & ENGINEERS
 design | strategy | vision

10100 Crown Park Ct., Columbus, OH 43235
 Tel: 614.538.8445 Fax: 614.538.8446
 www.starconsultants.com

OHIO DEPARTMENT OF TRANSPORTATION

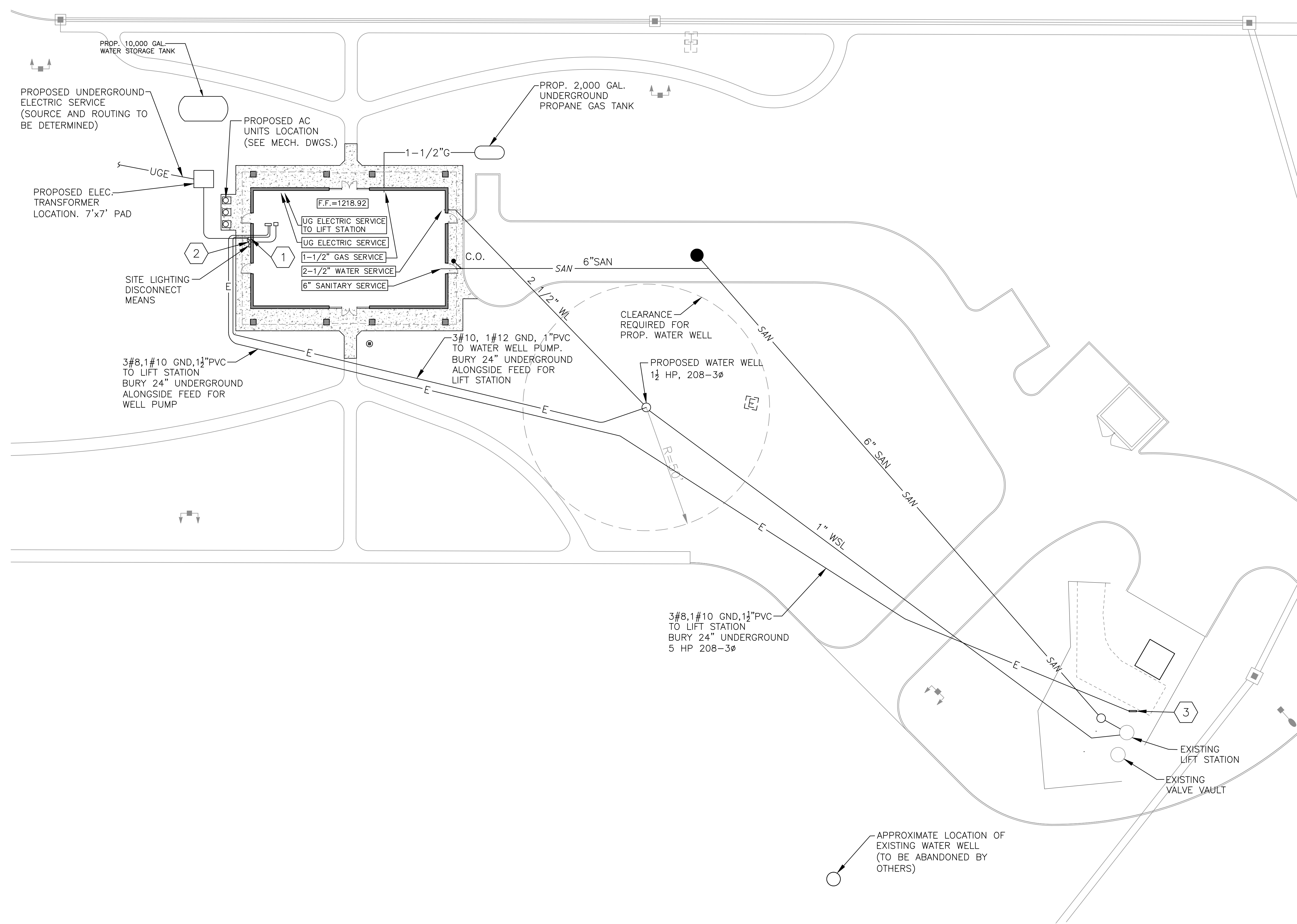
FACD08 RESTROOMS AT PREBLE TRUCK PARKING

1-70 WB @ MM 01, NEW PARIS, OH 43347, PREBLE COUNTY

ELECTRICAL ABBREVIATIONS & NOTES

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	RMK
DGN. BY:	WB
REV. BY:	RB

SHEET
GE.001

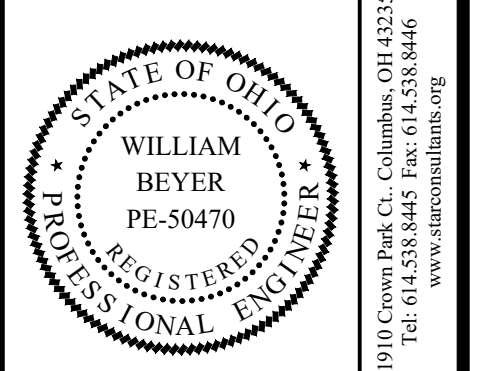


- CODED NOTES:**
- ELECTRIC UTILITY METER. LOCATE ON WALL 6' FROM MAN DOOR.
 - SERVICE DISCONNECT MEANS. LOCATE ON WALL IMMEDIATELY ADJACENT TO METER. WINDOWS ON WALL ARE ABOVE W/ BOTTOM @ +6'-8". FURNISH LABEL "BUILDING SERVICE DISCONNECT". SEE ONE LINE DIAGRAM ON SHEET E.105 FOR ADDITIONAL DETAILS.
 - LIFT STATION DISCONNECT AND CONTROLS BY SITE CONTRACTOR. COORDINATE EXACT TERMINATION POINT WITH SITE CONTRACTOR.

LEGEND

- PROPOSED CONCRETE
- PROPOSED BUILDING
- PROPOSED SANITARY
- PROPOSED WATER
- PROPOSED GAS
- PROPOSED UG ELECTRIC

REV#	DATE	REMARKS
01	02/04/2026	BID SET

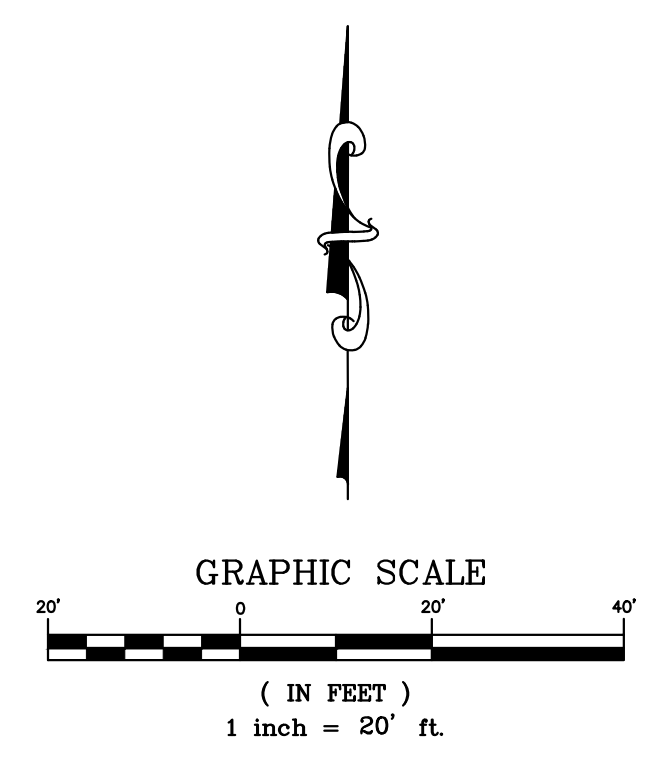


OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

OVERALL SITE ELECTRICAL PLAN

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	RMK
DGN. BY:	WMB
REV. BY:	RB

SHEET
E.100



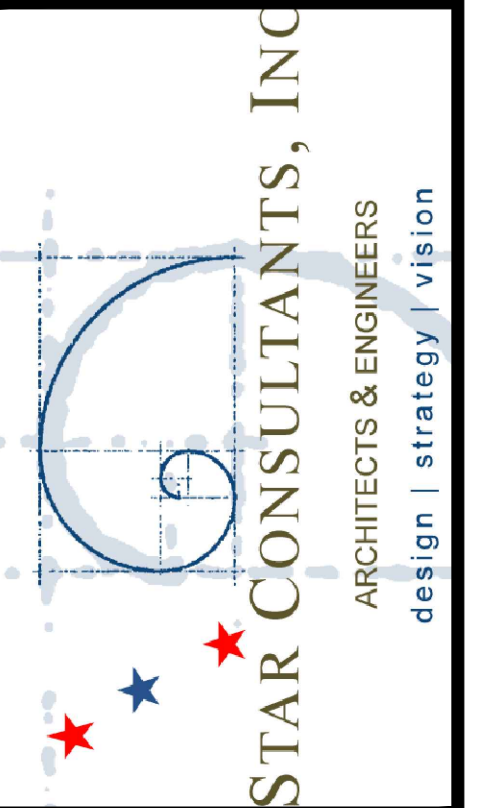
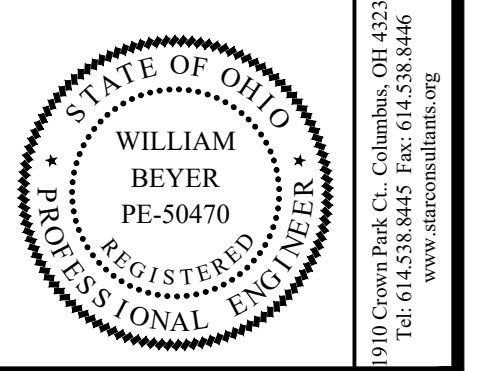
CODED NOTE:

1. MOUNT FIXTURE TO JUNCTION BOX ON INSIDE SURFACE OF TRUSS BOTTOM CHORD. JUNCTION BOX TO BE ADJUSTED VERTICALLY TO ALLOW FASTENING SCREWS TO FIND DIMENSIONAL LUMBER WRAPPING CHORD. PAINT CONDUIT AND JUNCTION BOX TO MATCH FINISH COLOR OF TRUSS.
2. CONNECT UNSWITCHED WIRE FROM EMERGENCY BALLAST AHEAD OF SWITCH.

GENERAL NOTES:

1. "NL" DESIGNATES FIXTURES PERMANENTLY ON AS NIGHT LIGHTS.
2. "EM" DESIGNATES LIGHT FIXTURES WITH BATTERY BACKUP TO PROVIDE EMERGENCY EGRESS ILLUMINATION. EMERGENCY ILLUMINATION IS ALSO PROVIDED IN THE ELECTRICAL/MECHANICAL ROOM.
3. "OS" DESIGNATES AN OCCUPANCY SENSOR THAT SIGNALS A "PP" POWER PACK TO EXTINGUISH RESTROOM LIGHTS AFTER 30 MINUTES OF INACTIVITY.
4. EXTERIOR LIGHTS CONTROLLED BY PHOTOCELL AND TIMER.

REV#	DATE	REMARKS
01	02/04/2026	BID SET



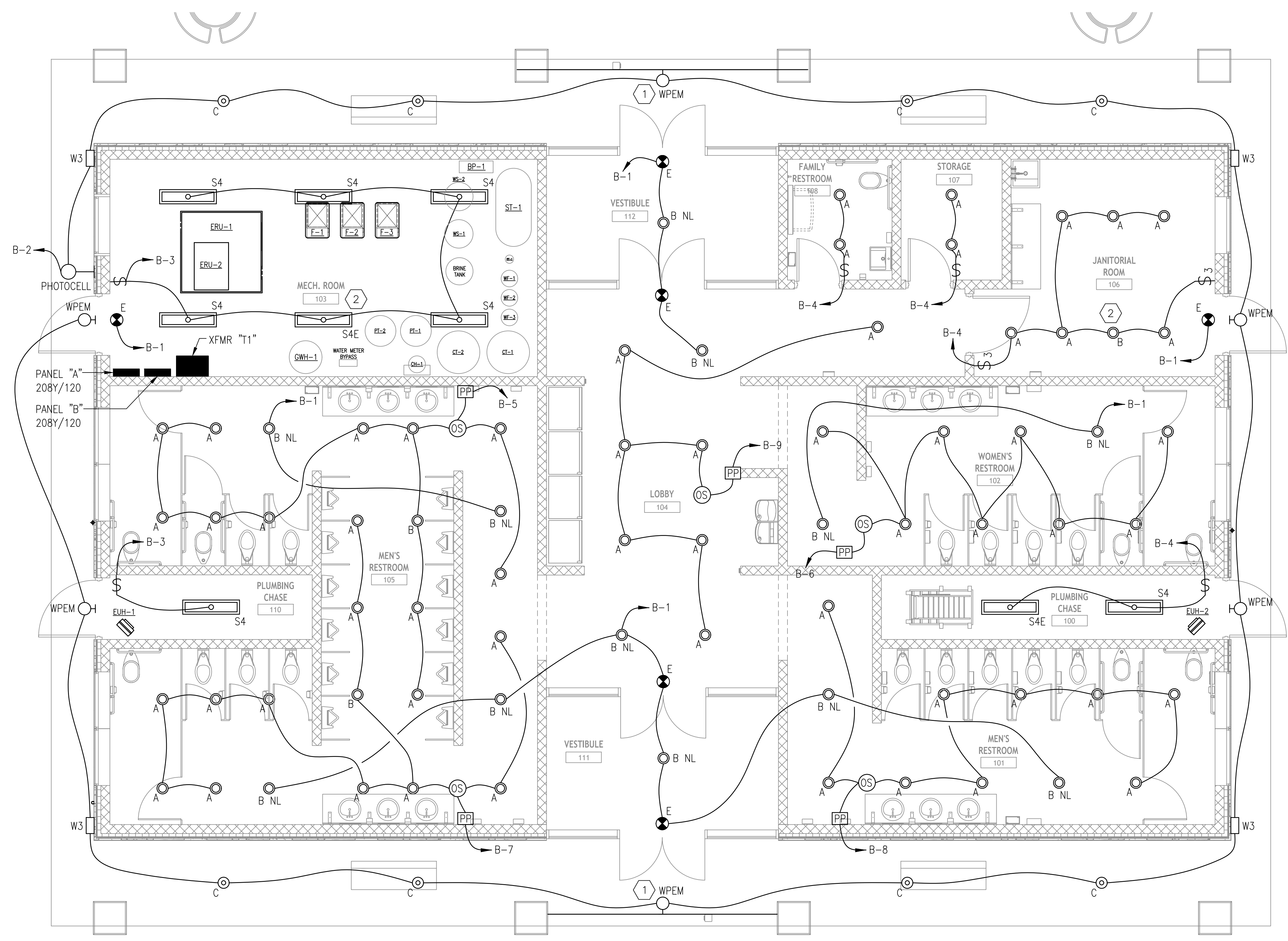
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	RMK
DGN. BY:	WMB
REV. BY:	HM

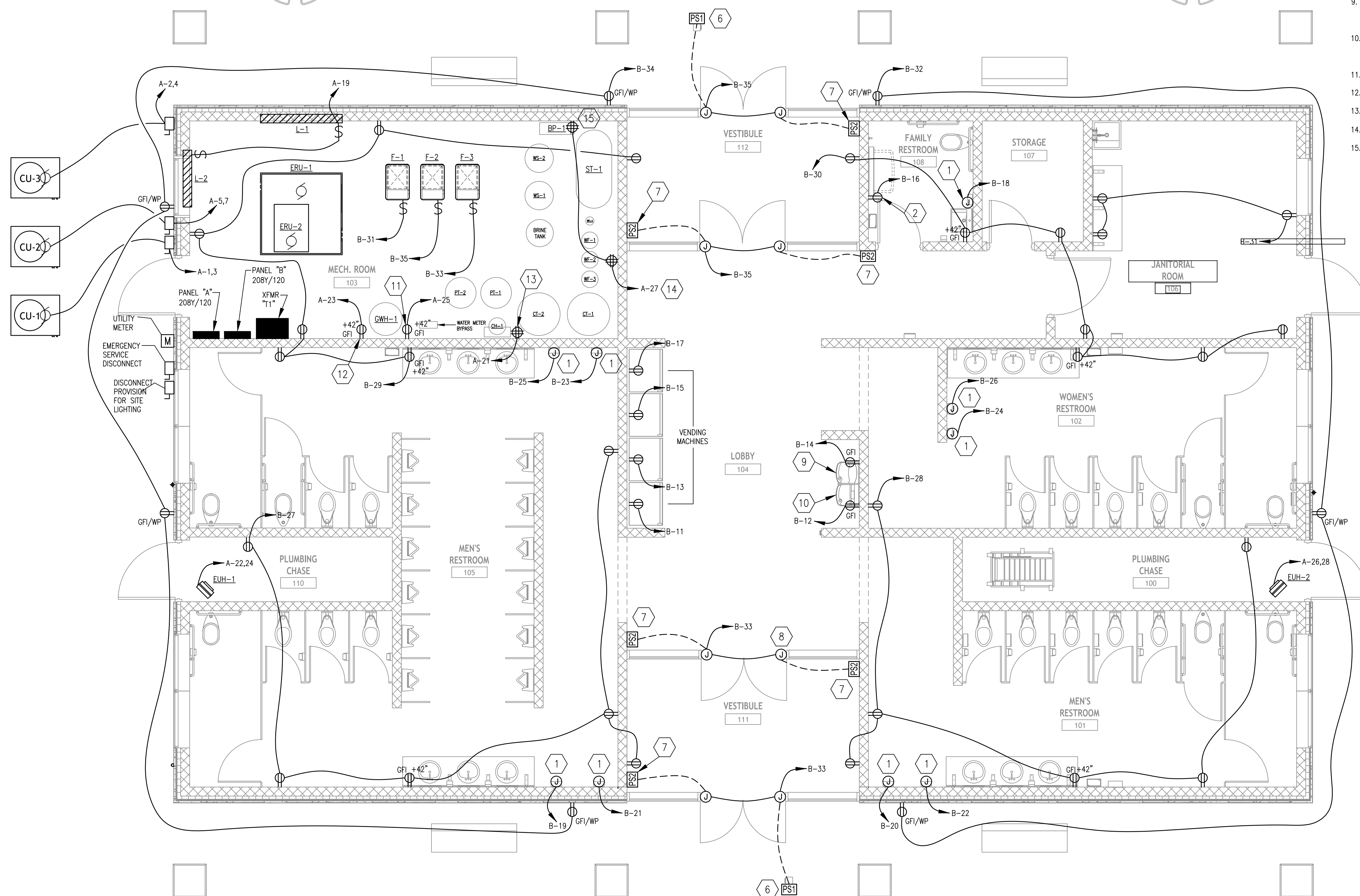
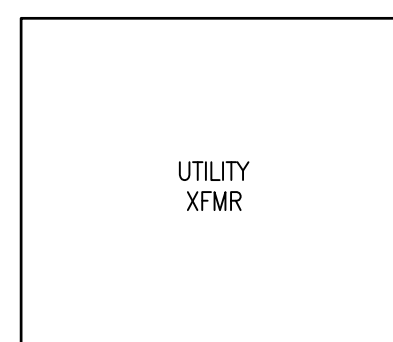
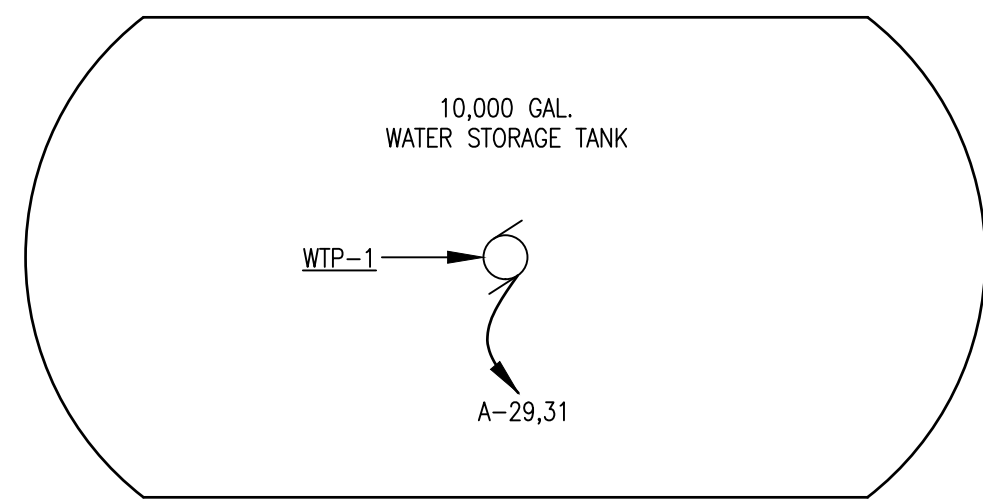
SHEET
E.101

UTILITY
 XFMR

- CU-3
- CU-2
- CU-1

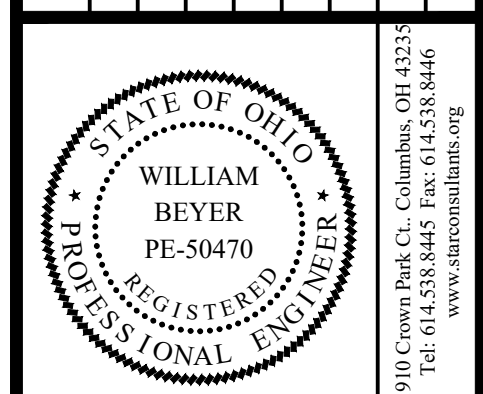


LIGHTING PLAN
 1/4" = 1'-0"



- CODED NOTES:**
- PROVISION FOR ELECTRIC HAND DRYER.
 - PROVISION FOR FUTURE.
 - PROVISION FOR CHLORINE FEED PUMPS. (3)
 - PROVISION FOR WATER SOFTENERS (2)
 - PROVISION FOR IRON/MANGANESE FILTERS (3).
 - HANDICAP TOUCH PAD FOR AUTOMATIC OPENING OF POWER DOORS. MOUNT NORTON TYPE 503 NARROW ADA DOOR OPENER BUTTON AT +42" ON 4"x4"x6"-0" STAINLESS SQUARE TUBE. BURY 24" INTO GROUND, 48" EXPOSED. PROVIDE 3/4" PVC FOR CONTROL WIRING. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR. COORDINATE CONTROL WIRING WITH DOOR CONTRACTOR.
 - HANDICAP TOUCH PAD FOR AUTOMATIC OPENING OF POWER DOORS. MOUNT NORTON TYPE 505 ADA DOOR OPENER BUTTON. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR. COORDINATE CONTROL WIRING WITH DOOR CONTRACTOR.
 - NORTON 6200 SERIES AUTOMATIC DOOR OPENER (TYP. OF 8) 120VAC, 2.5A.
 - LEFT WATER COOLER TO BE LOW-MOUNT WITH BOTTLE FILLER RECEPTACLE CENTERED UNDER UNIT AT +18" TO CENTER OF BOX.
 - RIGHT WATER COOLER TO BE HIGH-MOUNT. RECEPTACLE LOCATED 5" LEFT OF CENTERLINE AND HEIGHT AT +23" TO CENTER OF BOX.
 - PROVISION FOR WATER HEATER DRAFT INDUCER FAN.
 - PROVISION FOR HOT WATER RECIRCULATING PUMP.
 - PROVISION FOR (3) CHEMICAL (CHLORINE) FEED PUMPS.
 - PROVISION FOR WATER FILTERS (IRON).
 - PROVISION FOR WATER SOFTENERS.

REV#	DATE	REVISIONS
01	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 43347, PREBLE COUNTY

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	RMK
DGN. BY:	WMB
REV. BY:	HM

SHEET
E.102

POWER PLAN
 1/4" = 1'-0"

PANEL A																	
SIZE: 225		AMPS MCB: 100		FEEDER: #4/0 W/ #4 GRD. IN 2 1/2" C.			SETS: 1			OPTIONS: NONE			NEMA: 1				
MOUNTING: SURFACE		SURFACE		VOLTAGE: 208Y/120			CONFIG: 3 PHASE 4 WIRE			NEUTRAL: 100%			TVSS: NO				
LOCATION: 5TH FL. MECH. RM.		5TH FL. MECH. RM.		FED FROM: MDPB-1			DIRECTION: TOP			BRANCH MOUNT: BOLT-ON			BUS MATERIAL: CU				
CKT NO.	OC RATING	AMPS	TYPE	NOTE	DESCRIPTION	KW PER PHASE			KW PER PHASE			DESCRIPTION	NOTE	TYPE	AMPS	OC RATING	CKT NO.
						A	B	C	A	B	C						
1	60	38.8	M		CONDENSING UNIT CU-1	4035.00			800.00			WELL PUMP WP-1 1.5HP	LO	M	6.6	15	2
3							4035.00			800.00							4
5	60	38.8	M		CONDENSING UNIT CU-2			4035.00			800.00						6
7						4035.00			2003.00			LIFT STATION SHP					8
9	60	38.8	M		CONDENSING UNIT CU-3		4035.00			2003.00							10
11								4035.00		2003.00							12
13	15	14.4	M		FURNACE F-1	1728.00			3143.00			ENERGY RECOVERY UNIT ERU-1					14
15	15	14.4	M		FURNACE F-2		1728.00			3143.00							16
17	15	14.4	M		FURNACE F-3			1728.00		3143.00							18
19	15	0.8	M		MOT LOUVERS L-1, L-2	120.00			855.00			ENERG RECOV UNIT ERU-2	M		7.1	15	20
21	15	1.0	M		CLOR FEED PUMP CFP-1,2,3		120.00			900.00		UNIT HEATER UH-1		H	9.0	15	22
23	15	2.3	M		HW RECIRC PUMP HWRC-1			270.00		900.00							24
25	15	5.0	M		GAS WTR HEATER GWH-1	600.00			900.00			UNIT HEATER UH-2		H	9.0	15	26
27	15	1.6	M		WATER WF-1,2,3/WS-1,2		200.00			900.00							28
29	15	7.6	M	LO	WATER TANK PUMP WTP-1 3/4HP - BLDG WATER PRESSURE	1580.00			1580.00			SPARE				15	30
31												SPARE				20	32
33	15											SPARE				20	34
35	20											SPACE					36
37												SPACE					38
39												SPACE					40
41												SPACE					42
GROUND: ISOLATED						12098.00	10118.00	11648.00	7701.00	7746.00	6846.00						
LOAD TYPE: LINEAR						BALANCE: 0%		TOTAL: 56157.00 KW -		156.1 AMPS							
SCCR: SERIES						PF: #DIV/0!		DERATED: KW -		AMPS							
												PH-A	19799.00				
												PH-B	17864.00				
												PH-C	18494.00				

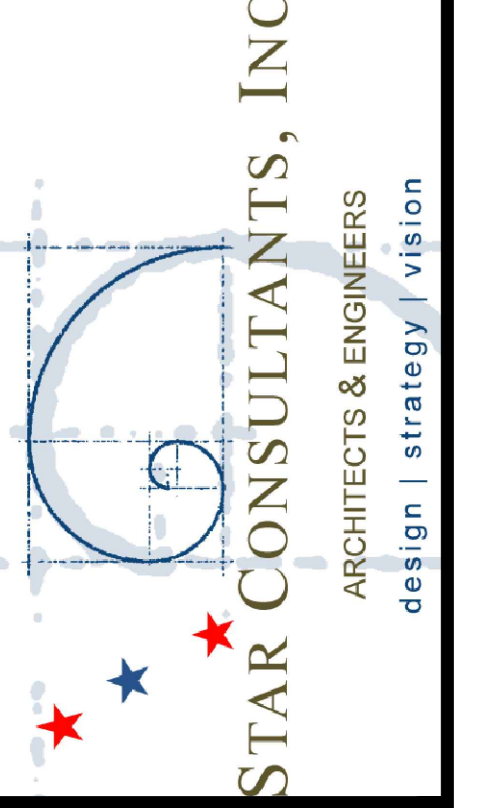
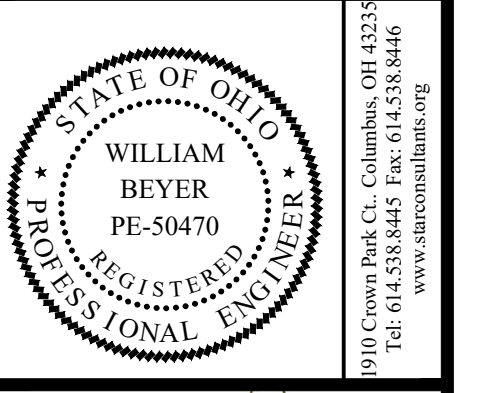
Type: H-Heating, C-Cooling, KR-Kitchen Resistive, KM-Kitchen Motor, WH-Water Heater, OM-Other Motor, L-Lighting, R-Receptacles, O-Other, SF-Sub Feed Size: MCB- Main Circuit Breaker, MLO-Main Lug Note: GF-Ground Fault CB, AF-Arc Fault CB, TC-Via Time Clock, ST-Shunt Trip CB, LK-Lock On, LO-Lock-Off, PC-Photo Cell Controlled Options: SFL-Sub Feed Lugs, FTL-Feed Thru Lugs

PANEL B																	
SIZE: 100		AMPS MCB: 100		FEEDER: #3 W/ #8 GRD. IN 1 1/4" C.			SETS: 1			OPTIONS: NONE			NEMA: 1				
MOUNTING: SURFACE		SURFACE		VOLTAGE: 208Y/120			CONFIG: 3 PHASE 4 WIRE			NEUTRAL: 100%			TVSS: NO				
LOCATION: JANITORIAL RM.106		JANITORIAL RM.106		FED FROM: XFMR "T1"			DIRECTION: TOP			BRANCH MOUNT: BOLT-ON			BUS MATERIAL: CU				
CKT NO.	OC RATING	AMPS	TYPE	NOTE	DESCRIPTION	W PER PHASE			W PER PHASE			DESCRIPTION	NOTE	TYPE	AMPS	OC RATING	CKT NO.
						A	B	C	A	B	C						
1	15	8.9	L	LO	EXIT / NITE LIGHTS	276.00			1072.00			EXTERIOR LIGHTS	PC	L	8.9	15	2
3	15	2.4	L		MECH/W_CHASE/STOR LITE		282.00			237.00		JAN/E_CHASE/FAM LITES		L	2.0	15	4
5	15	1.9	L		NW MENS RESTRM LITES			231.00			189.00	NE WOMEN RESTRM LITES		L	1.6	15	6
7	15	1.9	L		SW MENS RESTRM LITES	231.00			189.00			SE MENS RESTRM LITES		L	1.6	15	8
9	15	1.4	L		LOBBY/CORRIDORS		168.00			0.00		SPARE		L		15	10
11	20	11.0	R		LOBBY VENDING MACH W			1320.00			370.00	ELEC WATER COOLER		R	11.0	20	12
13	20	11.0	R		LOBBY VENDING MACH W	1320.00			370.00			ELEC WATER COOLER		R	11.0	20	14
15	20	11.0	R		LOBBY VENDING MACH W		1320.00			960.00		UNISEX RR FUTURE USE	LO	R	8.0	15	16
17	20	11.0	R		LOBBY VENDING MACH W			1320.00			1500.00	UNISEX RR HAND DRYER	LO		12.5	20	18
19	20	12.5	LO		SW MENS RESTRM DRYER1	1500.00			1500.00			SE MENS RESTRM DRYER1	LO		12.5	20	20
21	20	12.5	LO		SW MENS RESTRM DRYER2		1500.00			1500.00		SE MENS RESTRM DRYER2	LO		12.5	20	22
23	20	12.5	LO		NW MENS RESTRM DRYER1			1500.00			1500.00	NE WOMEN RSTRM DRYER1	LO		12.5	20	24
25	20	12.5	LO		NM MENS RESTRM DRYER2	1500.00			1500.00			NE WOMEN RSTRM DRYER2	LO		12.5	20	26
27	20	1.0	R	GF	RECPTS WEST RR/SW VEST		120.00			120.00		RECPTS EAST RR/SE VEST	GF	R	1.0	20	28
29	20	1.0	R	GF	REC MECH/STOR/NW VEST			120.00			120.00	REC JAN/FAM RR/ NE VEST	GF	R	1.0	20	30
31	20	0.5	R	GF	RECPTS JANITOR DESK	600.00			600.00			RECPTS EXTERIOR EAST	GF	R	0.5	20	32
33	15	10.0	LO		ADA DOOR OPENER NORTH		1200.00			800.00		RECPTS EXTERIOR WEST	GF	R	0.7	20	34
35	15	10.0	LO		ADA DOOR OPENER SOUTH			1200.00				SPARE				15	36
37	15											SPARE				20	38
39	20											SPACE					40
41												SPACE					42
GROUND: ISOLATED						5427.00	4590.00	5691.00	5231.00	3617.00	3679.00						
LOAD TYPE: LINEAR						BALANCE: 0%		TOTAL: 28235.00 KW -		78.5 AMPS							
SCCR: SERIES						PF: #DIV/0!		DERATED: KW -		AMPS							
												PH A	10658.00				
												PH B	8207.00				
												PH C	9370.00				

Type: H-Heating, C-Cooling, KR-Kitchen Resistive, KM-Kitchen Motor, WH-Water Heater, OM-Other Motor, L-Lighting, R-Receptacles, O-Other, SF-Sub Feed Size: MCB- Main Circuit Breaker, MLO-Main Lug Note: GF-Ground Fault CB, AF-Arc Fault CB, TC-Via Time Clock, ST-Shunt Trip CB, LO-Lock On/Off, PC-Photo Cell Controlled Options: SFL-Sub Feed Lugs, FTL-Feed Thru Lugs

LIGHTING FIXTURE SCHEDULE								
TAG	DESCRIPTION	MANUFACTURER	CATALOG No.	LAMPS	INPUT VOLTAGE	WATTAGE	DRIVER	REMARKS
E	CEILING MOUNT EXIT SIGN W/ BRUSHED ALUMINUM HOUSING, SINGLE FACE & EMERGENCY BATTERY PACK	LITHONIA	LE-S-1-R-ELN	4000K LED	120-277 UNIVERSAL	2.5	UNIVERSAL	DAMP LOCATION LISTED
A	8" APERATURE LED DOWN LIGHT WITH GLARE FREE OPTICAL CONTROL, STANDARD 0 - 10V 10% DIMMING, 2000 LUMEN MODULE, 4000K 80 CRI LED. COLOR TEMP, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR AND WHITE TRIM RING.	COOPER	LD8B20-D010-ER8B-10208040-8LBM0H-HB26	4000K LED	UNIVERSAL	21.2	0-10V DIMMABLE DRIVER	DAMP LOCATION LISTED
B	8" APERATURE LED DOWN LIGHT WITH GLARE FREE OPTICAL CONTROL, STANDARD 0 - 10V 10% DIMMING, 2000 LUMEN MODULE, 4000K 80 CRI LED COLOR TEMP, CLEAR ALZAK SEMI-DIFFUSE REFLECTOR, WHITE TRIM RING AND 90MIN BATTERY BACKUP	COOPER	LD8B20-D010-EM14-ER8B-10208040-8LBM0H-HB26	4000K LED	UNIVERSAL	26.5	0-10V DIMMABLE DRIVER	DAMP LOCATION LISTED
C	SLOPE CEILING CANLESS 6" DOWNLIGHT	HALO	RLS6159FS1EMBDMR	4000K LED	120	19	UNIVERSAL	PROVIDE HL6RSMF MOUNTING FRAME. DAMP LOCATION LISTED
S4	1'x4' SHIELDED LED STRIP LIGHT WITH FROSTED PRISMATIC ACRYLIC LENS, WHITE FINISH, STEEL HOUSING, 4000K LEDES, FIXED OUTPUT DRIVER, FAST BLOW FUSE, AND CHAIN HANGER ASSEMBLY.	COOPER	4WSNLED-LD4-44HL-F-UNV-L840-CD1-U	4000K LED	UNIVERSAL	32	CONSTANT OUTPUT DRIVER	PROVIDE CHAIN HANGER ASSEMBLY AND MOUNT AT 9'-0" A.F.F. UNLESS NOTED OTHERWISE. DAMP LOCATION LISTED
S4E	1'x4' SHIELDED LED STRIP LIGHT WITH FROSTED PRISMATIC ACRYLIC LENS, WHITE FINISH, STEEL HOUSING, 4000K LEDES, FIXED OUTPUT DRIVER, FAST BLOW FUSE, CHAIN HANGER ASSEMBLY & 90MIN BATTERY BACKUP	COOPER	4WSNLED-LD4-44HL-F-UNV-EL10W-L840-CD1-U	4000K LED	UNIVERSAL	32	CONSTANT OUTPUT DRIVER	PROVIDE CHAIN HANGER ASSEMBLY AND MOUNT AT 9'-0" A.F.F. UNLESS NOTED OTHERWISE. DAMP LOCATION LISTED
WPEM	EXTERIOR WALL PACK FOR GENERAL AND EMERGENCY LIGHTING WITH INTEGRAL BATTERY CHARGER AND BATTERY. DIE CAST ALUMINUM HOUSING, WET LOCATION RATING, INTERNAL FUSE & DARK BRONZE FINISH.	RAYON	T633LEDB-WS40-CTS-UNV-BZ-EM8W	4000K LED	UNIVERSAL	40	CONSTANT OUTPUT DRIVER	WET LOCATION LISTED. MOUNT ABOVE MAN DOOR
W3	EXTERIOR WALL PACK WITH TYPE 4 DISTRIBUTION, INDEPENDENTLY AIMED LED MODULES, 355° HORIZONTAL AND 70° VERTICAL MODULE ADJUSTMENT, -5° TO +5° HOUSING ADJUSTMENT, IPP66 SEALED OPTICAL CHAMBER, INTERNAL FUSE & DARK BRONZE FINISH.	COOPER	GALN-SA4D-740-U-T4FT-WM-BZ	4000K LED	UNIVERSAL	164	CONSTANT OUTPUT DRIVER	WET LOCATION LISTED

REV#	DATE	REVISIONS
01	02/04/2026	BID SET

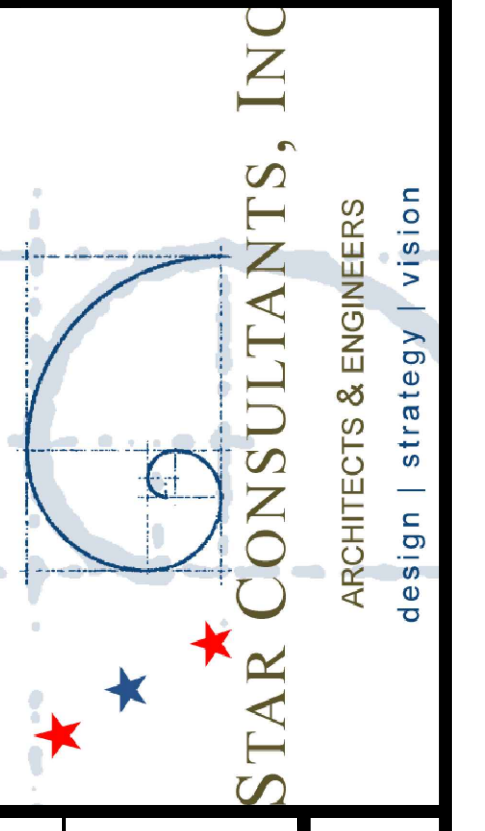
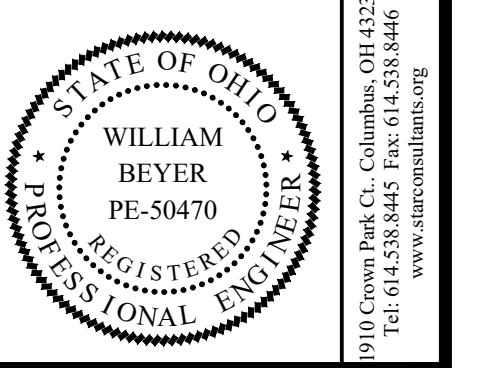


OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 LIGHTING & PANELBOARD SCHEDULES

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	RMK
DGN. BY:	WMB
REV. BY:	HM

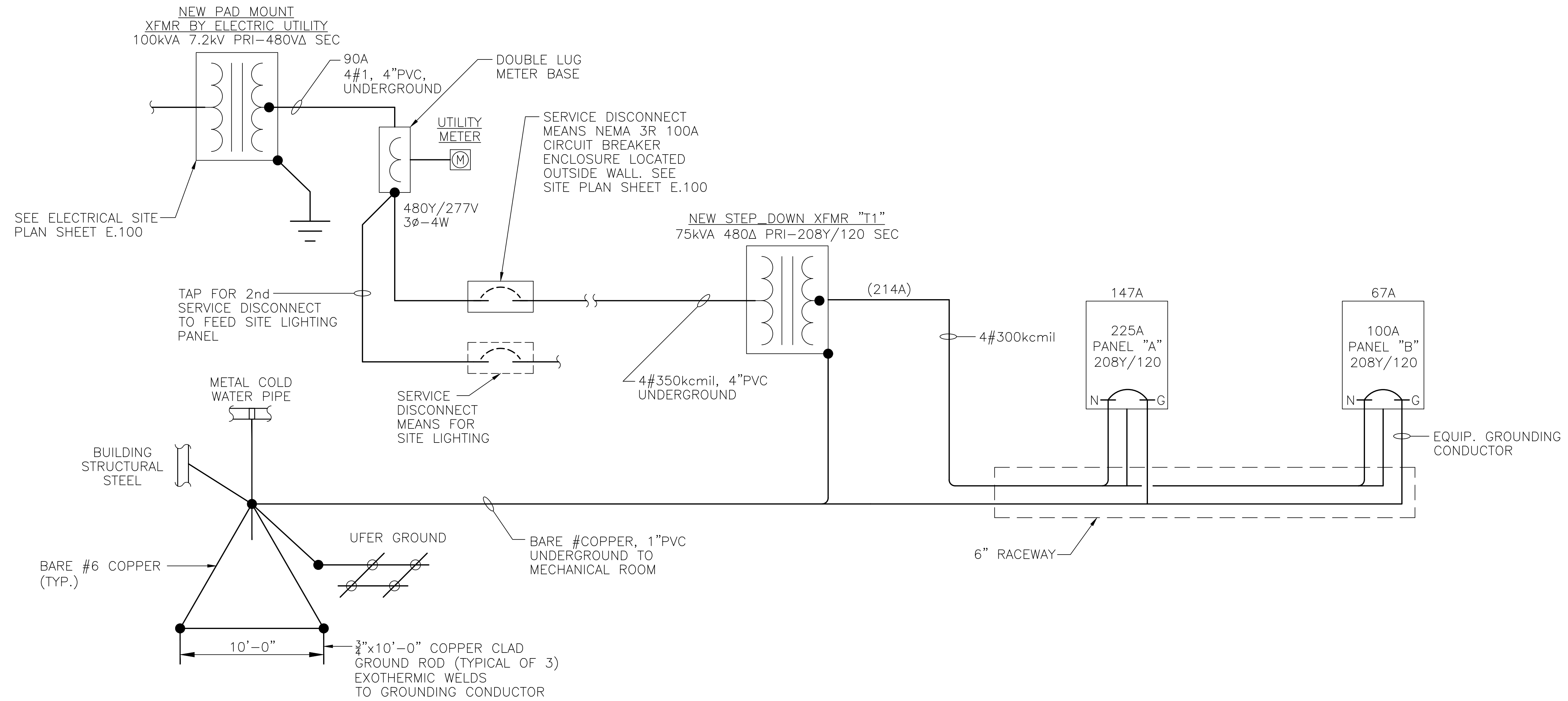
EQUIPMENT ELECTRICAL CONNECTION SCHEDULE										
TAG	DESCRIPTION	POWER (A)	VOLTAGE	PHASE	CIRCUIT: WIRE & CONDUIT	DISCONNECT	STARTER	OVER CURRENT PROTECTION	PANEL/CIRCUIT NUMBER(S)	REMARKS
F-1	2-STAGE GAS FURNACE TRANE S9X2D120U5PSBA	14.4	120	1	2#12, 1#12 GND, 3/4" C	20A-1P TOGGLE IN HANDY BOX	NONE	15A-1P	A-13	MCA=15, MOC=15 BLOWER FLA=10.6, COMBUSTION FAN FLA=0.66
F-2	2-STAGE GAS FURNACE TRANE S9X2D120U5PSBA	14.4	120	1	2#12, 1#12 GND, 3/4" C	20A-1P TOGGLE IN HANDY BOX	NONE	15A-1P	A-15	MCA=15, MOC=15 BLOWER FLA=10.6, COMBUSTION FAN FLA=0.66
F-3	2-STAGE GAS FURNACE TRANE S9X2D120U5PSBA	14.4	120	1	2#12, 1#12 GND, 3/4" C	20A-1P TOGGLE IN HANDY BOX	NONE	15A-1P	A-17	MCA=15, MOC=15 BLOWER FLA=10.6, COMBUSTION FAN FLA=0.66
CU-1	CONDENSING UNIT TRANE 5TTR7060A1	38.8	208	1	2#8, 1#10 GND, 1" C	60A-3P	NONE	60A-2P	A-1,3	MCA=39, MOC=60, MRC=46.1 FAN=1/2 HP, 29A
CU-2	CONDENSING UNIT TRANE 5TTR7060A1	38.8	208	1	2#8, 1#10 GND, 1" C	60A-3P	NONE	60A-2P	A-5,7	MCA=39, MOC=60, MRC=46.1 FAN=1/2 HP, 29A
CU-3	CONDENSING UNIT TRANE 5TTR7060A1	38.8	208	1	2#8, 1#10 GND, 1" C	60A-3P	NONE	60A-2P	A-9,11	MCA=39, MOC=60, MRC=46.1 FAN=1/2 HP, 29A
ERU-1	ENERGY RECOVERY UNIT GREENHECK ERV-45-15L	26.2	208	3	3#10, 1#10 GND, 1" C	BY MECHANICAL	NONE	30A-3P	A-14,16,18	3 HP, MCA=26.2, MOP=35
ERU-2	ENERGY RECOVERY UNIT GREENHECK ERV-45-15L	7.2	120	1	2#12, 1#12 GND, 3/4" C	BY MECHANICAL	NONE	15A-1P	A-20	3 HP, MCA=7.2, MOP=15
EUH-1	ELECTRIC UNIT HEATER	9	208	1	2#12, 1#14 GND, 3/4" C	BY MECHANICAL	NONE	15A-1P	A-22,24	1.8kW, 9A
EUH-2	ELECTRIC UNIT HEATER	9	208	1	2#12, 1#14 GND, 3/4" C	BY MECHANICAL	NONE	15A-1P	A-26,28	1.8kW, 9A
L-1	MOTORIZED LOUVER	0.3	120	1	2#14, 1#14 GND, 3/4" C	20A-1P TOGGLE IN HANDY BOX	NONE	15	A-19	40W
L-2	MOTORIZED LOUVER	0.3	120	1	2#14, 1#14 GND, 3/4" C	20A-1P TOGGLE IN HANDY BOX	NONE	15	A-19	40W
GWH-1	GAS FIRED WATER HEATER	5	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-25	DRAFT INDUCER MOTOR, 5A
HWRC-1	HOT WATER RECIRCULATION PUMP	2.25	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-23	270W
WF-1	IRON/MANGANESE FILTER	0.3	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-27	TIMER/CONTROLLER, 40W
WF-2	IRON/MANGANESE FILTER	0.3	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-27	TIMER/CONTROLLER, 40W
WF-3	IRON/MANGANESE FILTER	0.3	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-27	TIMER/CONTROLLER, 40W
WS-1	WATER SOFTENER	0.3	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-27	TIMER/CONTROLLER, 40W
WS-2	WATER SOFTENER	0.3	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-27	TIMER/CONTROLLER, 40W
CFP-1	PRE-TREATMENT CHLORINE FEED PUMP	1.3	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-21	1/30 HP, CONTROLLER - 160W
CFP-2	PRE-TREATMENT CHLORINE FEED PUMP	1.3	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-21	1/30 HP, CONTROLLER - 160W
CFP-3	SPARE CHLORINE FEED PUMP	1.3	120	1	2#14, 1#14 GND, 3/4" C	CORD & PLUG	NONE	15A-1P	A-21	1/30 HP, CONTROLLER - 160W
WP-1	WATER WELL PUMP	6.6	208	3	3#10, 1#10 GND, 1-1/2" PVC	30A-3P	BY PLUMBING	15A-3P	A-2,4,6	1.5 HP, 6.6A, SUBMERSIBLE PUMP
LS-1	LIFT STATION PUMP	16.7	208	3	3#8, 1#10 GND, 1-1/2" PVC	30A-3P	BY PLUMBING	30A-3P	A-8,10,12	5 HP, 16.7A, SUBMERSIBLE PUMP
WTP-1	WATER STORAGE TANK PUMP	7.6	208	1	2#12, 1#12 GND, 3/4" PVC	LOCKOUT BOX	BY PLUMBING	15A-2P	A-29,31	3/4 HP, 7.6A, SUBMERSIBLE PUMP

REV#	DATE	REVISIONS
01	02/04/2026	BID SET



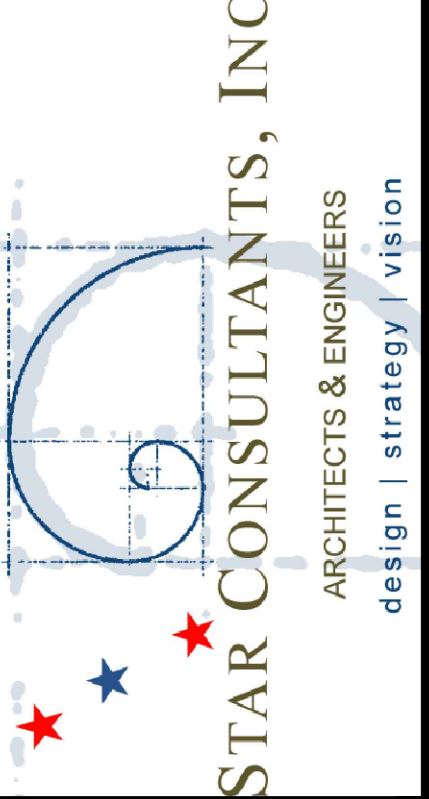
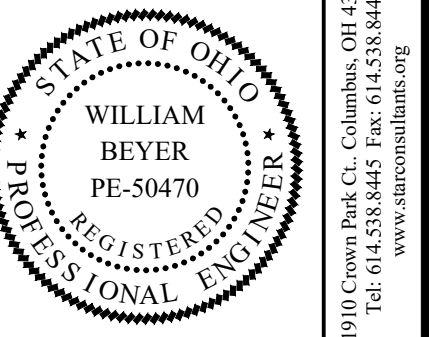
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	RMK
DGN. BY:	WMB
REV. BY:	HM



○ ONE LINE DIAGRAM
N.T.S.

REV#	DATE	REMARKS
01	02/04/2026	BID SET



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 1-70 WB @ MM 01, NEW PARIS, OH 43347, PREBLE COUNTY

ONE LINE DIAGRAM

PJT #:	25009
DATE:	10/24/2025
DRN. BY:	RMK
DGN. BY:	WMB
REV. BY:	HM

SHEET
E.105