



STAR CONSULTANTS, INC

ARCHITECTS & ENGINEERS
design | strategy | vision

**CONTRACT NO: FACD08 RESTROOMS AT PREBLE TRUCK PARKING
PROJECT: DOT-250005**

ADDENDUM NUMBER TWO (2)

March 6, 2026

ADDENDUM TO PLANS and SPECIFICATIONS FOR:

PROJECT: **DOT-250005**

FACD08 Restrooms at Preble Truck Parking
Ohio Department of Transportation (ODOT)
I-70 WB @ MM 01, New Paris, Ohio 45347
Preble County

Prepared by:

Star Consultants, Inc.

1910 Crown Park Ct., Columbus, Ohio 43235

(614) 538-8445 Fax (614) 538-8446

This Addendum is included in the work as noted in the Notice to Bidders and Form of Proposal. Each item refers to drawing sheet numbers or specification page numbers, or general comments.

The following supplements Clarify, Add To, Delete From, or Change the requirements of the previously issued specifications, drawings, and addendums.

To All Bidders: This addendum supplements and amends the original bid documents and shall be taken into account in preparing proposals and shall become a part of the contract documents. Bidders shall update their Bidding Documents with the information contained in this Addendum. Where new Drawings are enclosed with this Addendum, discard the old Drawing and insert the new. Where Supplemental Drawings are enclosed with this Addendum, attach the Supplemental Drawing to the documents as noted. Where only written modifications are given, copy the information onto the appropriate Documents and note the Addendum number.

GENERAL

1. N/A

PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP (FRONT END)

PR-01. N/A

SPECIFICATIONS MANUAL GROUP

SM-01. 06 13 00 Heavy Timber has been removed in its entirety

SM-02. 10 14 19 Dimensional Letter Signage has been added

DOCUMENTS GROUP

D-01. G.002, A.101, A.102, A.400, A.600 have been revised to allow space for adult changing station in Unisex Restroom 108

D-02. C.101 has been revised to show existing sidewalk

D-03. C.102 has been revised to show correct bollard sizing

D-04. A.301 has been revised to show steel sizing

D-05. A.400, A.401, A.402 have been revised to show signage

D-06. A.400 has been revised to show access panels for plumbing fixtures

RESPONSES TO RFI's

RFI-1: Is there a structural detail showing the connections from the horizontal I beam at the overhang to the vertical HSS on the exterior columns.

Response: There will be a detail provided. There will be a detail provided. There will be a detail provided.

RFI-2: Spec section 12 3900. How many Trash Receptacles are there? I wasn't able to locate any on the drawings? Same for the smoking receptacles.

Response: Four Trash receptacles and four smoking receptacles.

RFI-3: Is rigid conduit required in the block walls?

Response: All wiring in public spaces should be run in conduit inside CMU walls. For interior CMU walls run wire in (order of preference) EMT, PVC, or FMC. For exterior CMU walls run wire in PVC or LFMC. Extend conduit from wiring box up into ceiling space; from ceiling space to electrical panel, EMT, PVC, or FMC can be used. Mud rings or box extenders may be required to make box opening flush with wall surface.

RFI-4: Is there a fire alarm system? If so, plans?

Response: No fire alarm system planned.

RFI-5: Is there any cameras or door access required?

Response: No cameras. Plans do include ADA door operators controlled by push stations - see electrical power plan, drawing E.102.

RFI-6: Will there be any communications wiring to the building?

Response: No communication wiring, no systems planned.

RFI-7: The specification calls for gold anodized finish. On a stainless steel ball, Gold anodized cannot be applied - it has to be smooth or satin brushed finish.

Response: A SATIN BRUSHED FINISH FOR THE FLAGPOLE IS ACCESPTABLE

RFI-8: There is a specification for wall mounted access doors but no specific locations shown on drawings. Plumbing Fixture Schedule on A.400 calls out access panels of different sizes for each plumbing fixture. Is an access panel needed at every plumbing fixture on the drawings? Additionally, all of these plumbing fixtures are located in CMU walls and there are large plumbing chases in the building, are access panels needed at all? Please Advise.

Response: Please see coded note 7 on a.400 for fixtures that will receive access panels. Also updated the sheet notes and coded notes on Sheet P.101 & P.102 to give clarification.

RFI-9: There is a 32 93 00 Plants specification but there is not planting shown on the drawings. Is this specification needed? Please confirm there is no landscaping other than utility trench repair that is part of this project.

Response: NO LANDSCAPING AND NO PLANTING

RFI-10: Solicitation, Instructions to Bidders, and General Conditions list Prevailing Wages as a requirement. Supplementary Conditions and Bid Express list Davis-Bacon as a requirement. Which wages will be required on this project?

Response: Davis-Bacon wages are required.

RFI-11: If Davis-Bacon wages are required, will they be Building or Heavy Highway rates

Response: Building rates. Rates are included in the spec.

RFI-12: What are the extents of the concrete sidewalk removal? Can square footage and depth be provided?

Response: SEE UPDATED SHEET C.101

RFI-13: C102 shows 6" bollards, but C116 shows 8" bollards. Which is the correct size?

Response: Size is 8" for bollards

RFI-14: Where does detail 4/S0.2 occur?

Response: Detail 4/S0.2 occurs at exterior doors.

RFI-15: Specification 01 50 00 states 'Remove temporary roads and paved areas not intended for or acceptable for integration into permanent construction.' Are we thus required to remove the proposed temporary gravel entrance and exit ramps at the end of construction?

Response: REMOVAL OF TEMPORARY GRAVEL PAVEMENT AND EXISTING CONCRETE ROADS SHALL BE COORDINATED WITH DISTRICT 8 (ODOT). THE TEMPORARY GRAVEL PAVEMENT AND EXISTING CONCRETE PAVEMENT WILL BE UTILITIZED BY DISTRICT 8 FUTURE PROJECT.

RFI-16: A302 shows two wood-wrapped steel beams per coded note 28. Please provide structural drawings/details for these beams.

Response: See revised structural drawings.

RFI-17: Is there any work related to the Division 27 specifications provided? None is shown on the electrical drawings.

Response: A total of 8 pushbuttons for ADA door openers are located at both North and South Vestibule double doors. 6 pushbuttons labelled "PS2" are mounted in interior CMU walls, 2 labelled "PS1" are exterior mounted in pedestals.

RFI-18: : The wall along column line 3 is called out as a 2'6" x 1'0" strip foundation. However, detail 2/S201 is shown at the same wall, indicating a thickened slab. Please clarify. See below:

Response: The wall along column line 3 shall have a 2'-6" X 1'-0" strip foundation. S101 has been revised to show proper details.

RFI-19: S0.1 states 'BOTTOM OF EXTERIOR FOOTINGS SHALL BE AT LEAST 3'6" BELOW FINISHED GRADE.' S101 states 'ALL EXTERIOR FOOTING TO EXTEND TO A MINIMUM OF 3'0" BELOW EXISTING GRADE.'" Please clarify which is the correct depth.

Response: S0.1 has been revised to indicate 3'-0"

RFI-20: Please provide reinforcing details and dimensions for the 3x3x1 footer and pier.

Response: Please see revised details

RFI-21: Are frost or anti-heave slabs going to be required at the openings?

Response: Yes.

RFI-22: There is a Heavy Timber Speciation (06 13 00) given in the bid documents, but there are no heavy timber members shown on the drawings. Further more there is not structural steel specification given. There are no details on the structural drawings for the metal beams mentioned in the architectural drawings. Please advise.

Response: Specification section 06 13 00 Heavy Timber has been removed.

RFI-23: RFI-6 noted that there is only restroom signage and room signage planned. Please provide a signed schedule or locations and sizes of signs needed.

Response: A SIGNAGE SCHEDULE HAS BEEN ADDED TO A.400. IN ADDITION, THE SIGNS HAVE BEEN NOTED ON A.400, A.401 & A.402

RFI-24: RFI-14 noted that there is no information on the building address numbering. Will there be an allowance allocated for this numbering since there is not information available in order to put an accurate quote together for it?

Response: Allow for 5 digits in conformance with specification section 10 14 19

RFI-25: Should the well pressure switch be installed in the branch piping to the expansion tanks in lieu of where it is shown? I am asking due to issues we had on the Madison County Rest Area project. We had installed it as shown on the incoming water but it

continually had the well pump short cycling and the water lines were hammering even with a pulsation dampener.

Response: Please see revised drawing sheet P.501 for new location of pressure switch. Updated the layout of water treatment equipment.

RFI-26: Can Specs be provided for Water Treatment Equipment? I understand that the system needs to be verified and approved by the EPA prior to equipment being finalized, however we do need to know a base intent to get close to accurate quotes.

Response: Water treatment equipment schedule on Plumbing Schedule sheet P.601 has all basis of design product make and models with detail.

RFI-27: Is Plumbing Equipment to be installed on a concrete housekeeping pad?

Response: All Water treatment equipment tanks in mechanical room need to be placed in 4" high housekeeping pad.

RFI-28: Can the Well water system be installed in Sch 80 PVC through the water treatment equipment?

Response: Yes

RFI-29: Are we to assume that each urinal is going to have an access panel behind it? The fixture is called out with a back spud but there is not a chase for the flush valves behind the urinals. You have to have access to this style of flush valve. (This would put 4 access panels within restroom stalls)

Response: All flush valves for urinals will be installed within the wall and each of these will have its own access panel, also for the AWC & LAV-1 in family restroom will have access panels. Updated the sheet notes and coded notes on Sheet P.101 & P.102 to give clarification.

RFI-30: Should circuit setters be installed on the 2 branches of the DHWR to make sure each branch is getting flow?

Response: Yes.

RFI-31: Are there any Stainless Steel Wall Panels required?

Response: Yes.

ATTACHMENTS

- Set of revised drawings

END OF ADDENDUM (2)

SECTION 10 14 19 - DIMENSIONAL LETTER SIGNAGE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract, including general and supplementary conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Dimensional characters.
 - a. Cast dimensional characters.
 - b. Cutout dimensional characters.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For signs.
 - 1. Include fabrication and installation details and attachments to other work.
 - 2. Show sign mounting heights, locations of supplementary supports to be provided by other installers, and accessories.
 - 3. Show message list, timesteps, graphic elements, and layout for each sign at least half size .
- C. Samples for Initial Selection: For each type of sign assembly, exposed component, and exposed finish.
 - 1. Include representative Samples of available timesteps and graphic symbols.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and manufacturer.

1.5 FIELD CONDITIONS

1.6 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
 - a. Deterioration of finishes beyond normal weathering.
 - b. Separation or delamination of sheet materials and components.
2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.2 DIMENSIONAL CHARACTERS

- A. Cast Characters : Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows:

1. **Manufacturers:** Subject to compliance with requirements, provide products by one of the following:
 - a. ACE Sign Systems, Inc.
 - b. ASI Sign Systems, Inc.
 - c. Cosco.
 - d. Gemini Signage; Gemini, Inc.
 - e. Metal Arts.
 - f. Metallic Arts.
2. Character Material: Cast aluminum .
 - a. Aluminum
3. Character Height: 8"
4. Thickness: Manufacturer's standard for size of character .
5. Finishes:
 - a. Integral Aluminum Finish: Anodized color as selected by Architect from full range of industry colors and color densities .
6. Mounting: Projecting studs .

- B. Cutout Characters : Characters with uniform faces; square-cut, smooth , eased edges; precisely formed lines and profiles; and as follows:

1. **Manufacturers:** Subject to compliance with requirements, provide products by one of the following:
 - a. ACE Sign Systems, Inc.
 - b. APCO Graphics, Inc.
 - c. ASI Sign Systems, Inc.
 - d. Cosco.
 - e. Gemini Signage; Gemini, Inc.
 - f. inpro Corporation.
 - g. Metal Arts.
 - h. Metallic Arts.

2. Character Material: Sheet or plate aluminum .
3. Character Height: 8"
4. Thickness: 0.25 inch .
5. Finishes:
 - a. Integral Metal Finish: As selected by Architect from full range of industry finishes .
 - b. Integral Aluminum Finish: Medium bronze anodized Anodized color as selected by Architect from full range of industry colors and color densities .
6. Mounting: Projecting studs .
7. Typeface: Provide font list from MFR for selection.

2.3 DIMENSIONAL CHARACTER MATERIALS

- A. Aluminum Castings: ASTM B26/B26M, alloy and temper recommended by sign manufacturer for casting process used and for type of use and finish indicated.
- B. Aluminum Sheet and Plate: ASTM B209, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.
- C. Aluminum Extrusions: ASTM B221, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.

2.4 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signs, noncorrosive and compatible with each material joined, and complying with the following:
 1. For exterior exposure, furnish stainless steel or devices unless otherwise indicated.

2.5 FABRICATION

- A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
 1. Preassemble signs and assemblies in the shop to greatest extent possible. Disassemble signs and assemblies only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation; apply markings in locations concealed from view after final assembly.
 2. Mill joints to a tight, hairline fit. Form assemblies and joints exposed to weather to resist water penetration and retention.
 3. Comply with AWS for recommended practices in welding and brazing. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.
 4. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.

5. Internally brace dimensional characters for stability, to meet structural performance loading without oil-canning or other surface deformation, and for securing fasteners.
6. Provide rabbets, lugs, and tabs necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.
7. Castings: Fabricate castings free of warp, cracks, blowholes, pits, scale, sand holes, and other defects that impair appearance or strength. Grind, wire brush, sandblast, and buff castings to remove seams, gate marks, casting flash, and other casting marks before finishing.

2.6 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Directional Finishes: Run grain with long dimension of each piece and perpendicular to long dimension of finished trim or border surface unless otherwise indicated.
- D. Organic, Anodic, and Chemically Produced Finishes: Apply to formed metal after fabrication but before applying contrasting polished finishes on raised features unless otherwise indicated.

2.7 ALUMINUM FINISHES

- A. Color Anodic Finish: AAMA 611, Class I, 0.018 mm or thicker.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance.
- B. Verify that sign-support surfaces are within tolerances to accommodate signs without gaps or irregularities between backs of signs and support surfaces unless otherwise indicated.
- C. Verify that electrical service is correctly sized and located to accommodate signs.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF DIMENSIONAL CHARACTERS

- A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
 2. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
 3. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.
- B. Mounting Methods:
1. Concealed Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
 - a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place sign in position and push until flush to surface, embedding studs in holes. Temporarily support sign in position until adhesive fully sets.
 - b. Thin or Hollow Surfaces: Place sign in position and flush to surface, install washers and nuts on studs projecting through opposite side of surface, and tighten.
 2. Projecting Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
 - a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place spacers on studs, place sign in position, and push until spacers are pinched between sign and substrate, embedding the stud ends in holes. Temporarily support sign in position until adhesive fully sets.
 - b. Thin or Hollow Surfaces: Place spacers on studs, place sign in position with spacers pinched between sign and substrate, and install washers and nuts on stud ends projecting through opposite side of surface, and tighten.
 3. Through Fasteners: Drill holes in substrate using predrilled holes in sign as template. Countersink holes in sign if required. Place sign in position and flush to surface. Install through fasteners and tighten.
 4. Back Bar and Brackets: Remove loose debris from substrate surface and install backbar or bracket supports in position, so that signage is correctly located and aligned.
 5. Adhesive: Clean bond-breaking materials from substrate surface and remove loose debris. Apply linear beads or spots of adhesive symmetrically to back of sign and of suitable quantity to support weight of sign after cure without slippage. Keep adhesive away from edges to prevent adhesive extrusion as sign is applied and to prevent visibility of cured adhesive at sign edges. Place sign in position, and push to engage adhesive. Temporarily support sign in position until adhesive fully sets.
 6. Two-Face Tape: Clean bond-breaking materials from substrate surface and remove loose debris. Apply tape strips symmetrically to back of sign and of suitable quantity to support weight of sign without slippage. Keep strips away from edges to prevent visibility at sign edges. Place sign in position, and push to engage tape adhesive.

3.3 ADJUSTING AND CLEANING

- A. Remove and replace damaged or deformed characters and signs that do not comply with specified requirements. Replace characters with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.
- B. Remove temporary protective coverings and strippable films as signs are installed.
- C. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

END OF SECTION 10 14 19

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

REV#	DATE	REMARKS
00	02/04/2024	BID SET
01	02/25/2024	ADDENDUM 1
02	03/03/2024	ADDENDUM 2

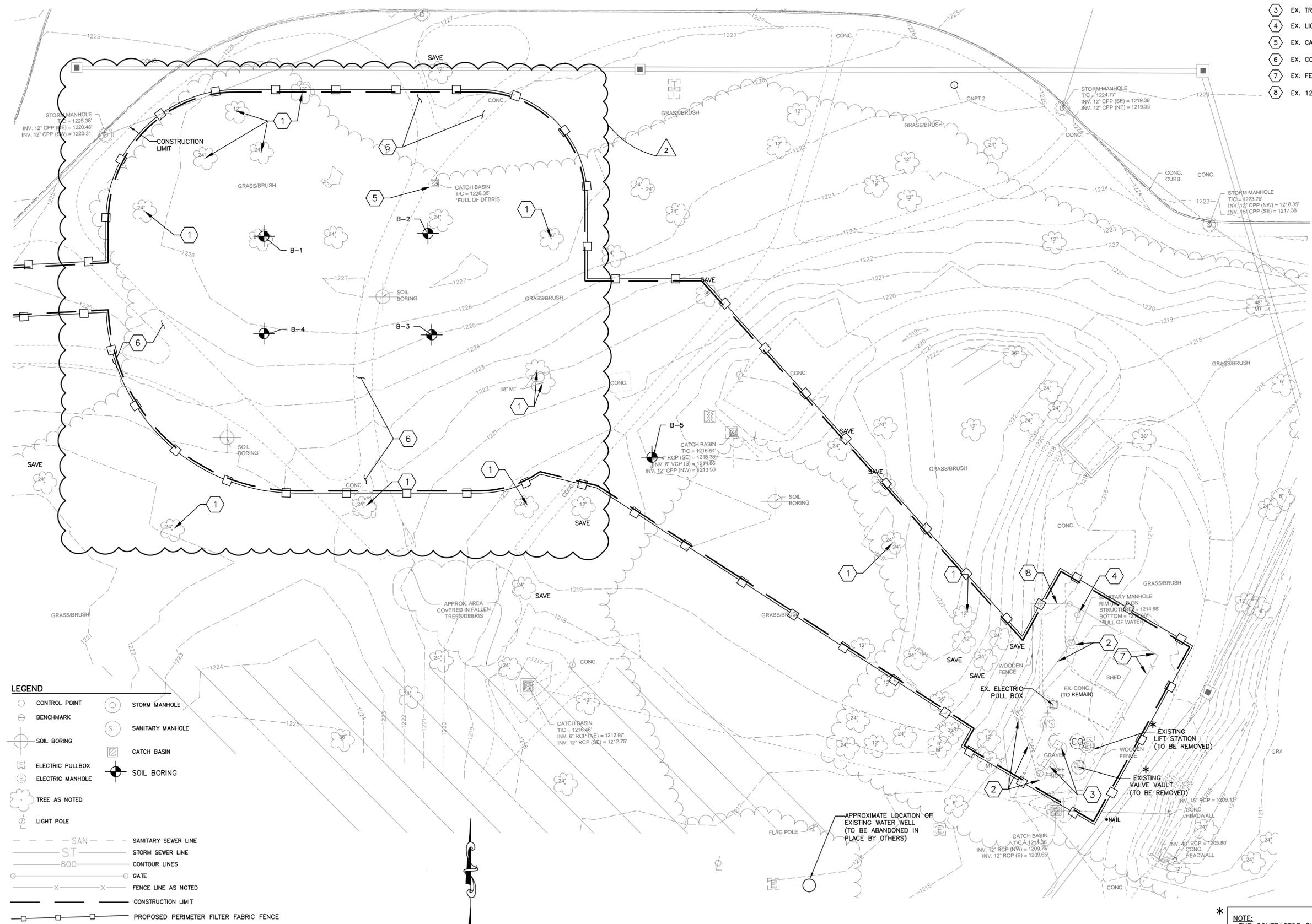


OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

DEMOLITION SITE PLAN

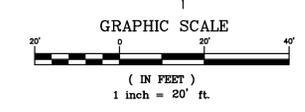
PJT #:	25009
DATE:	10/24/2025
DRN. BY:	OS
DGN. BY:	AM
REV. BY:	AA

SHEET
C.101



LEGEND

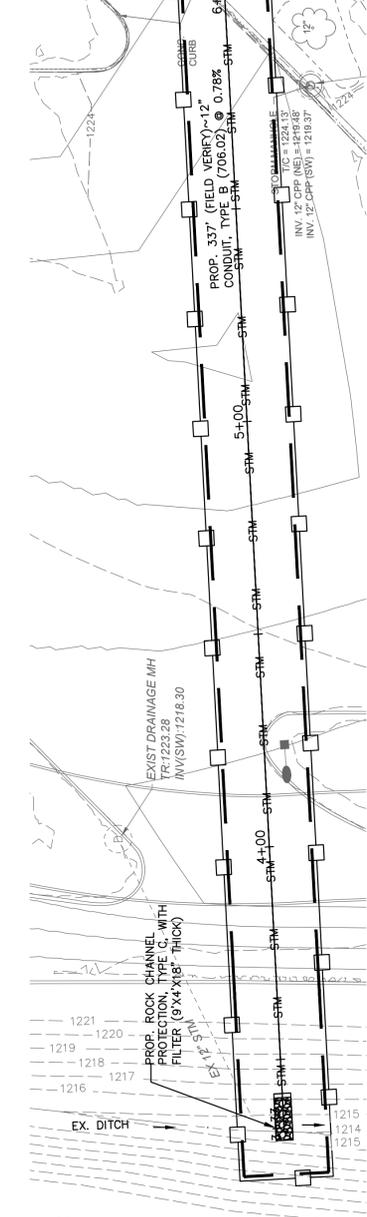
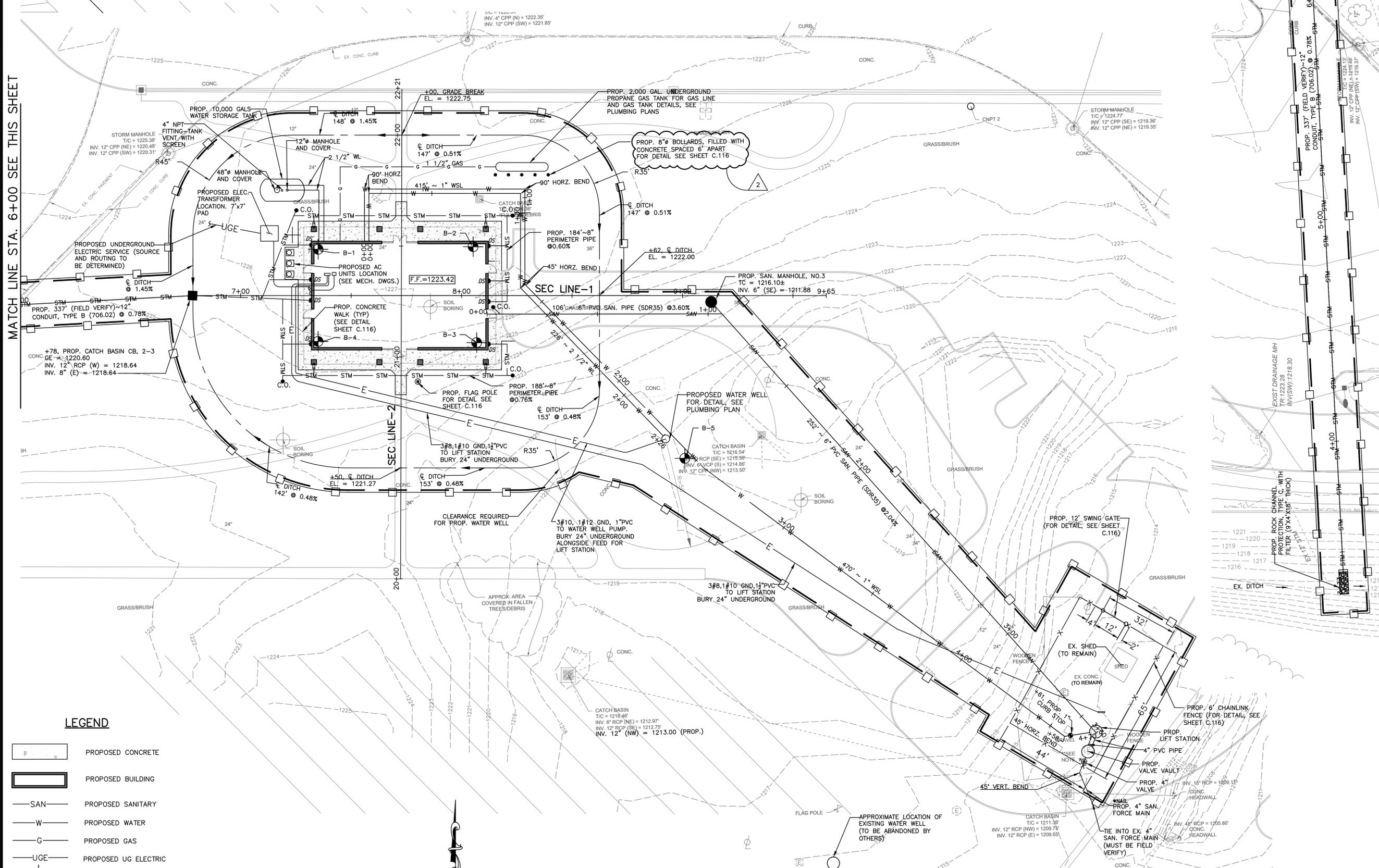
○ CONTROL POINT	○ STORM MANHOLE
⊕ BENCHMARK	○ SANITARY MANHOLE
⊙ SOIL BORING	▭ CATCH BASIN
⊙ SOIL BORING	⊙ SOIL BORING
⊙ ELECTRIC PULLBOX	
⊙ ELECTRIC MANHOLE	
☁ TREE AS NOTED	
⊙ LIGHT POLE	
--- SAN --- SANITARY SEWER LINE	
--- ST --- STORM SEWER LINE	
--- 800 --- CONTOUR LINES	
○ GATE	
--- X --- FENCE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



*** 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.

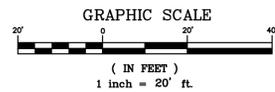
MATCH LINE STA. 6+00 SEE THIS SHEET

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

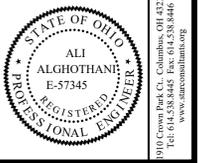
- THE DISTRICT 8 PROJECT WILL START ON OR AFTER 9/15/2026 AT WHICH POINT OUR SITE USE WOULD BE LIMITED. CLEAR SITE AVAILABILITY FROM START OF PROJECT UNTIL 9/15/2026 AND SITE AVAILABILITY AFTER 9/15/2026
- THE CONTRACTOR SHALL COORDINATE WITH DISTRICT 8 ABOUT THE STARTS OF THEIR PROJECT

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
00	02/04/2026	BID SET
01	02/25/2026	ADDENDUM 1
02	03/03/2026	ADDENDUM 2



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

9100 Crown 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

NEW WORK - UTILITY SITE PLAN

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

SHEET
C.102

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:
 I-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.
 BEARING WALLS 0 HR
 EXTERIOR 0 HR
 INTERIOR 0 HR
 NON BEARING WALLS 0 HR

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES:

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

SECTION 804 - INTERIOR FLOOR FINISHES 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" (CPSC 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	OCCUPANTS
106	JANITORIAL ROOM	217 SF	ACCESSORY STORAGE AREA	300	1
107	STORAGE	60 SF	ACCESSORY STORAGE AREA	300	1
	ACCESSORY STORAGE AREA	278 SF			2
101	MENS RESTROOM	396 SF	BUSINESS AREAS	150	3
102	WOMENS RESTROOM	373 SF	BUSINESS AREAS	150	3
104	LOBBY	551 SF	BUSINESS AREAS	150	4
105	MENS RESTROOM	812 SF	BUSINESS AREAS	150	6
108	UNISEX RESTROOM	71 SF	BUSINESS AREAS	150	1
111	VESTIBULE	151 SF	BUSINESS AREAS	150	2
112	VESTIBULE	143 SF	BUSINESS AREAS	150	1
	BUSINESS AREAS	2497 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	3407 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

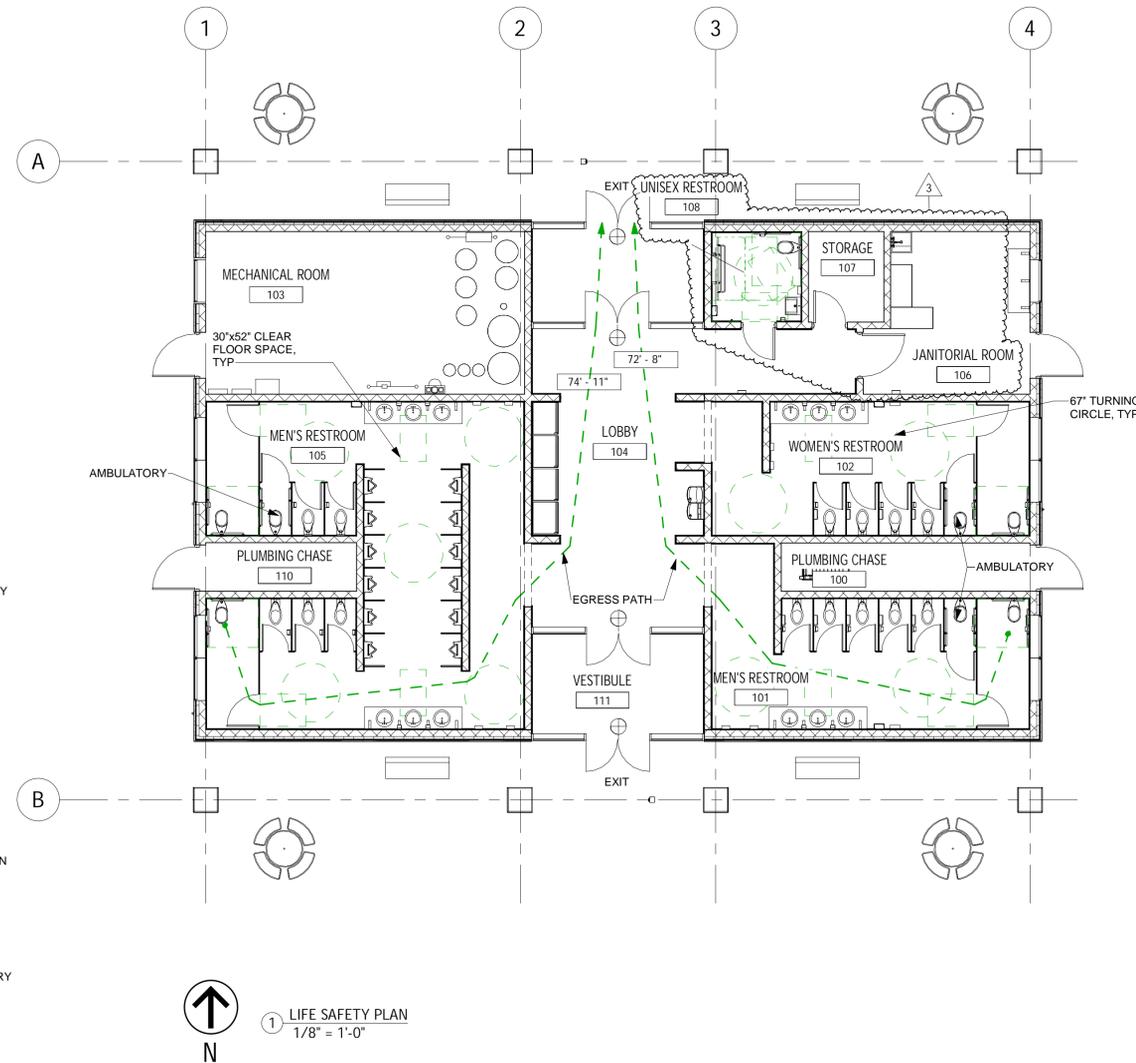
IN ADDITION TO FIXTURES NOTED ABOVE, ONE UNISEX RESTROOM HAS BEEN PROVIDED.

* 15 WC AND 12 URINALS

FIXTURE	ACCESSIBLE		AMBULATORY	
	PROVIDED	REQUIRED	REQUIRED	PROVIDED
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	278 SF	300	3	2	2	100	0.02	100	0.02	100	0.02	100	0.02	1000	0.003
BUSINESS AREAS	2497 SF	150	20	10	10	25	0.4	25	0.4	40	0.25	40	0.25	100	0.2
MECHANICAL EQUIPMENT AREA	632 SF	300	4	2	2	100	0.02	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
2	02.04.2026	BID SET
3	03.03.2026	ADDENDUM 2

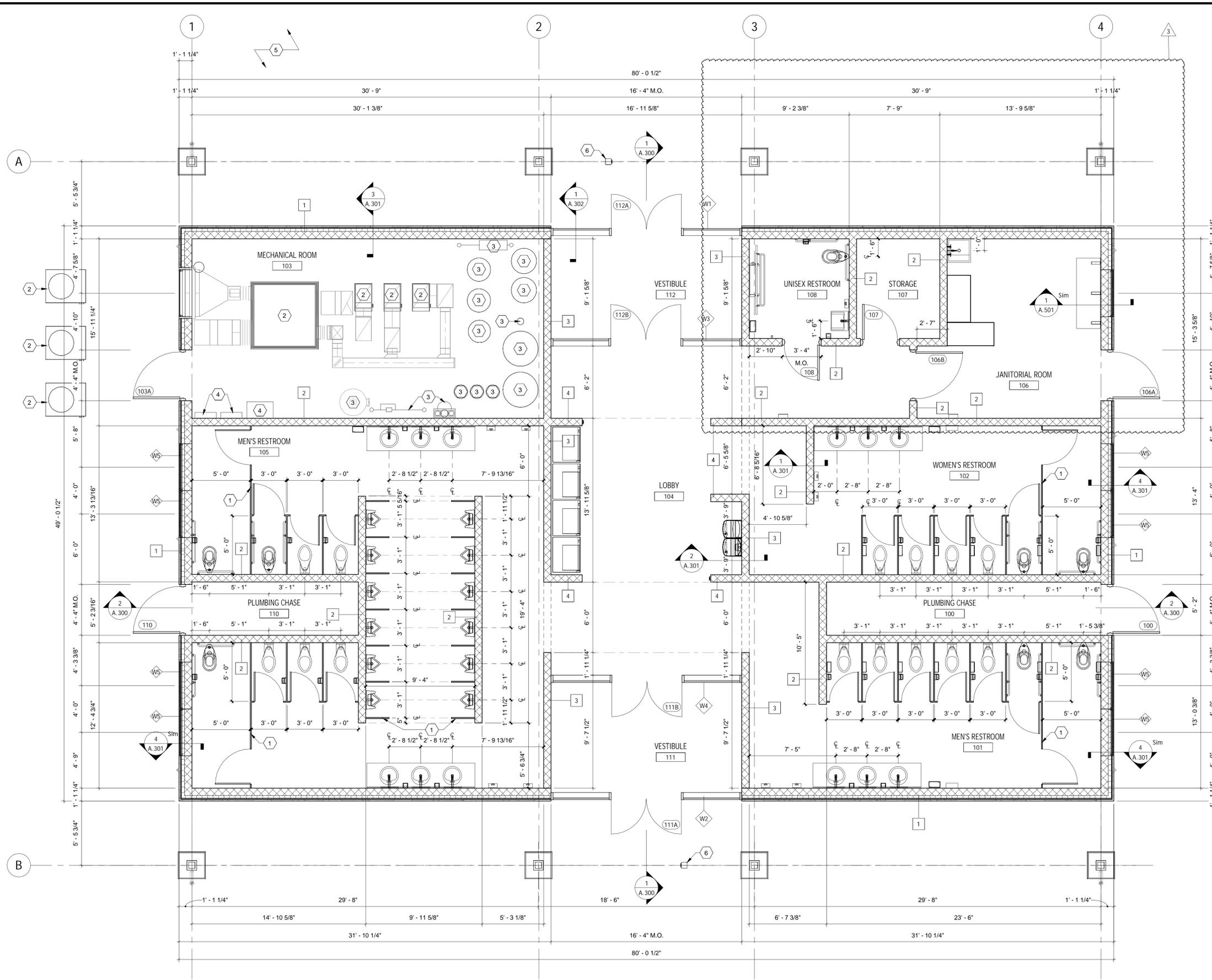
STATE OF OHIO
 REGISTERED ARCHITECTS
 MAAD JAWED
 12925
 1910 Crown Pointe, Columbus, OH 43235
 Tel: 614.538.8445 Fax: 614.538.8446
 www.starconsultants.com

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

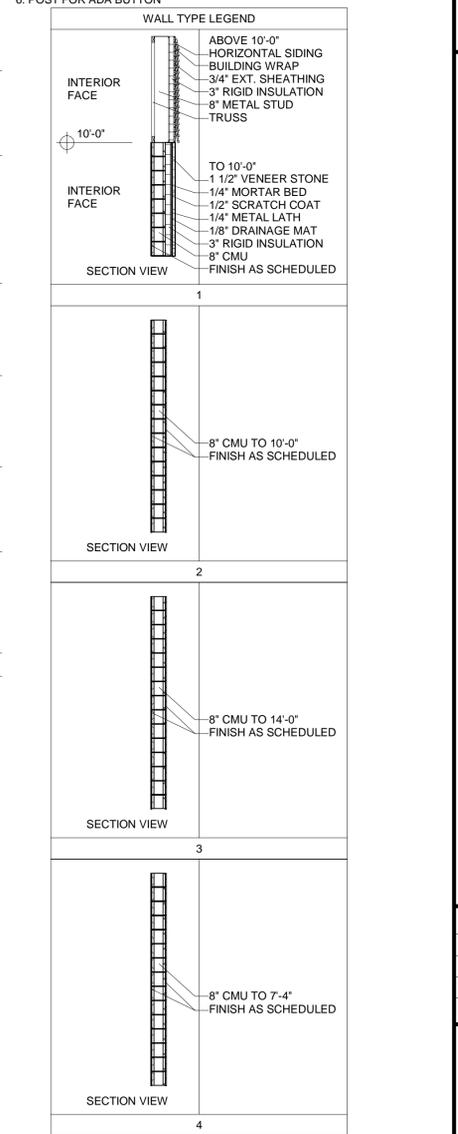
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 LIFE SAFETY PLAN

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

SHEET
G.002

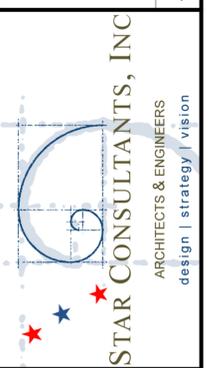
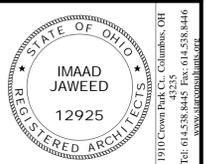


- GENERAL NOTES**
1. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
 2. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.
 3. THERE SHALL BE 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
03	03/2026	ADDENDUM 2



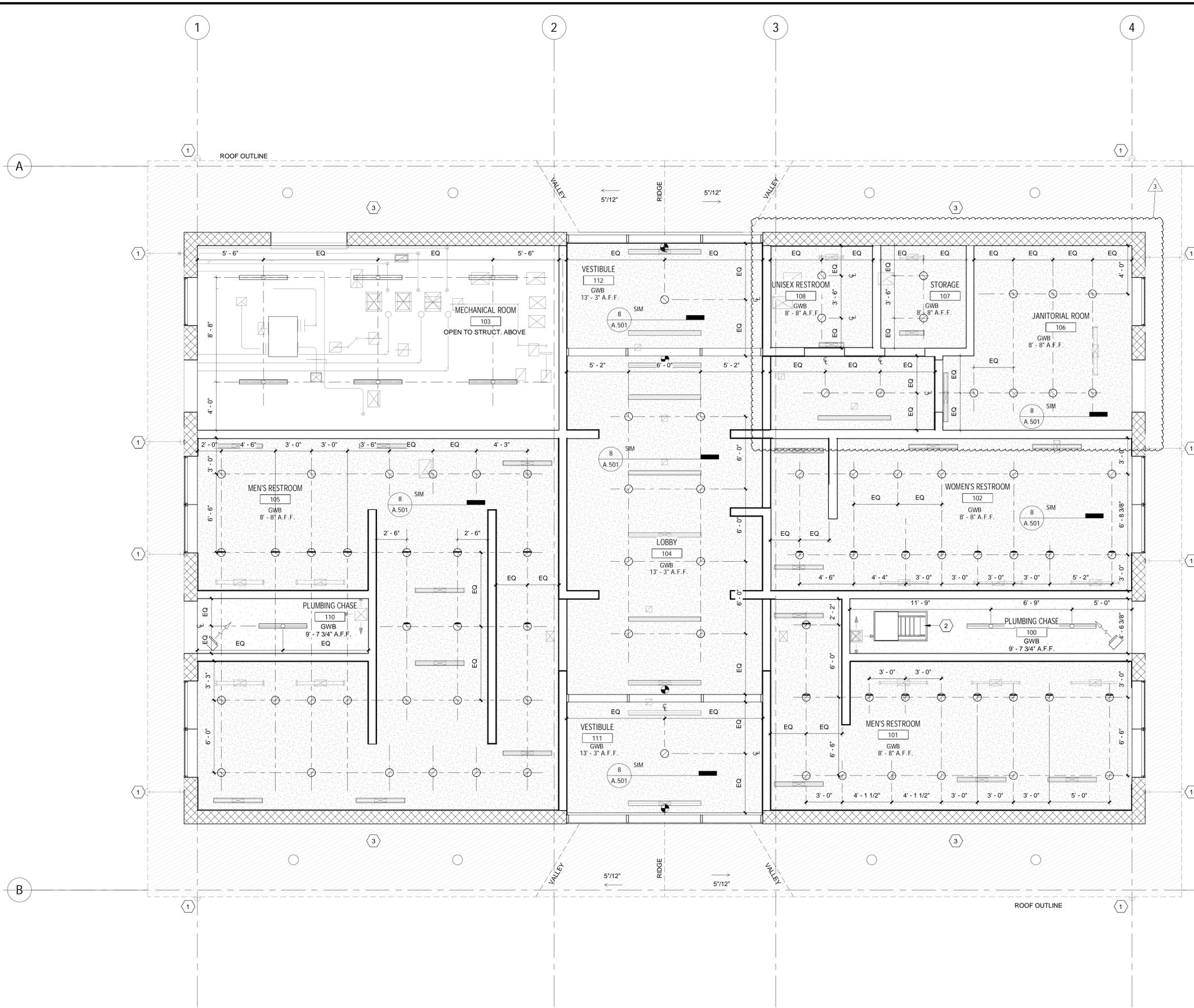
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 DIMENSIONED FLOOR PLAN

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

SHEET
A.101

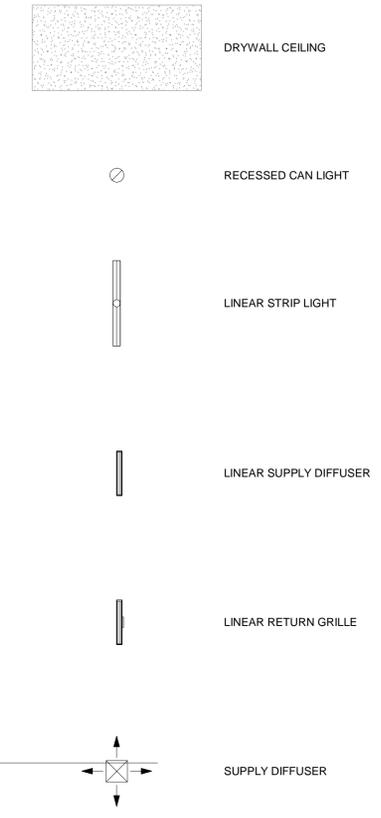


1 DIMENSIONED FLOOR PLAN
 1/4" = 1'-0"

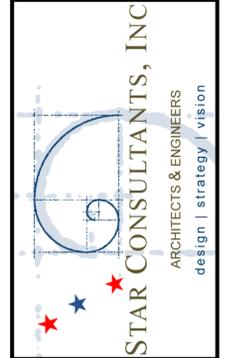
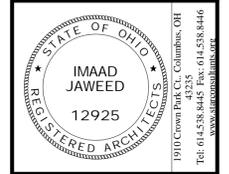


- REFLECTED CEILING PLAN GENERAL NOTES**
- ALL CEILING HEIGHTS ARE FROM FINISH FLOOR U.O.N.
 - ALL NEW SWITCHES TO BE MOUNTED 4'-0" A.F.F. (U.O.N.) TO CENTER LINE OF SWITCH. MULTIPLE SWITCHES/DIMMERS TO BE GANGED & PROVIDED WITH SINGLE GANG PLATE.
 - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - 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, JANITOR CLOSETS AND OTHER WET OR DAMP LOCATIONS.

- CODED NOTES**
- DOWNSPOUTS
 - 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	REVISIONS
02	04/2026	BID SET
02	25/2026	ADDENDUM 1
03	03/2026	ADDENDUM 2



OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-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"

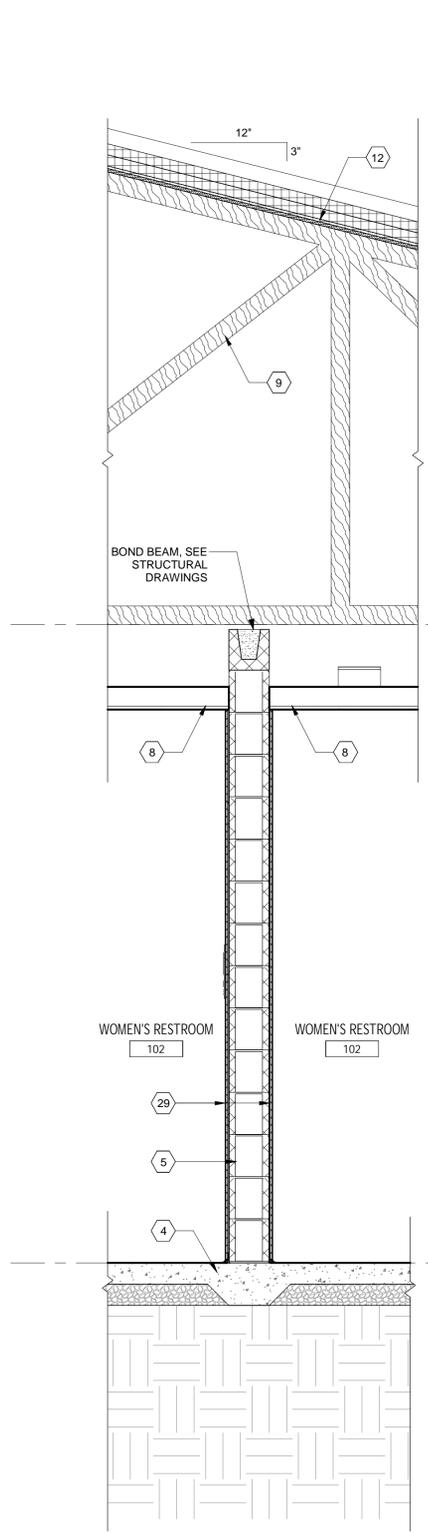
REFLECTED CEILING PLAN LEGEND
 1/4" = 1'-0"

CODED NOTES

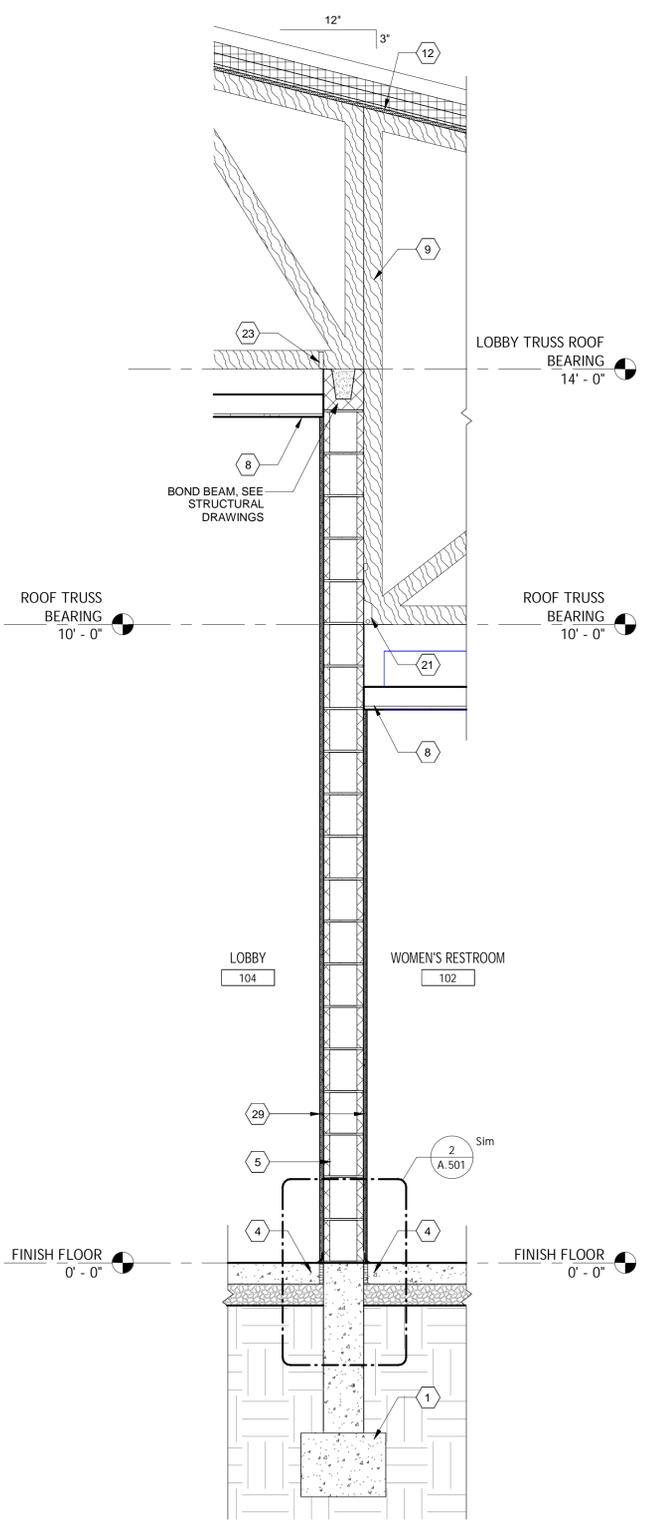
1. CONCRETE FOUNDATION AND FOOTER, REFER TO STRUCTURAL.
2. CONTINUOUS FOUNDATION INSULATION, MIN. 2'-0" BELOW SLAB.
3. FINISH GRADE, REFER TO CIVIL.
4. CONCRETE SLAB OVER 10 MIL VAPOR BARRIER AND AGGREGATE BASE. TURN SLAB DOWN TO TOP OF FOOTINGS AT OPENINGS. REFER TO FLOOR PLANS FOR SLOPE AND ELEVATION, 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 7 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

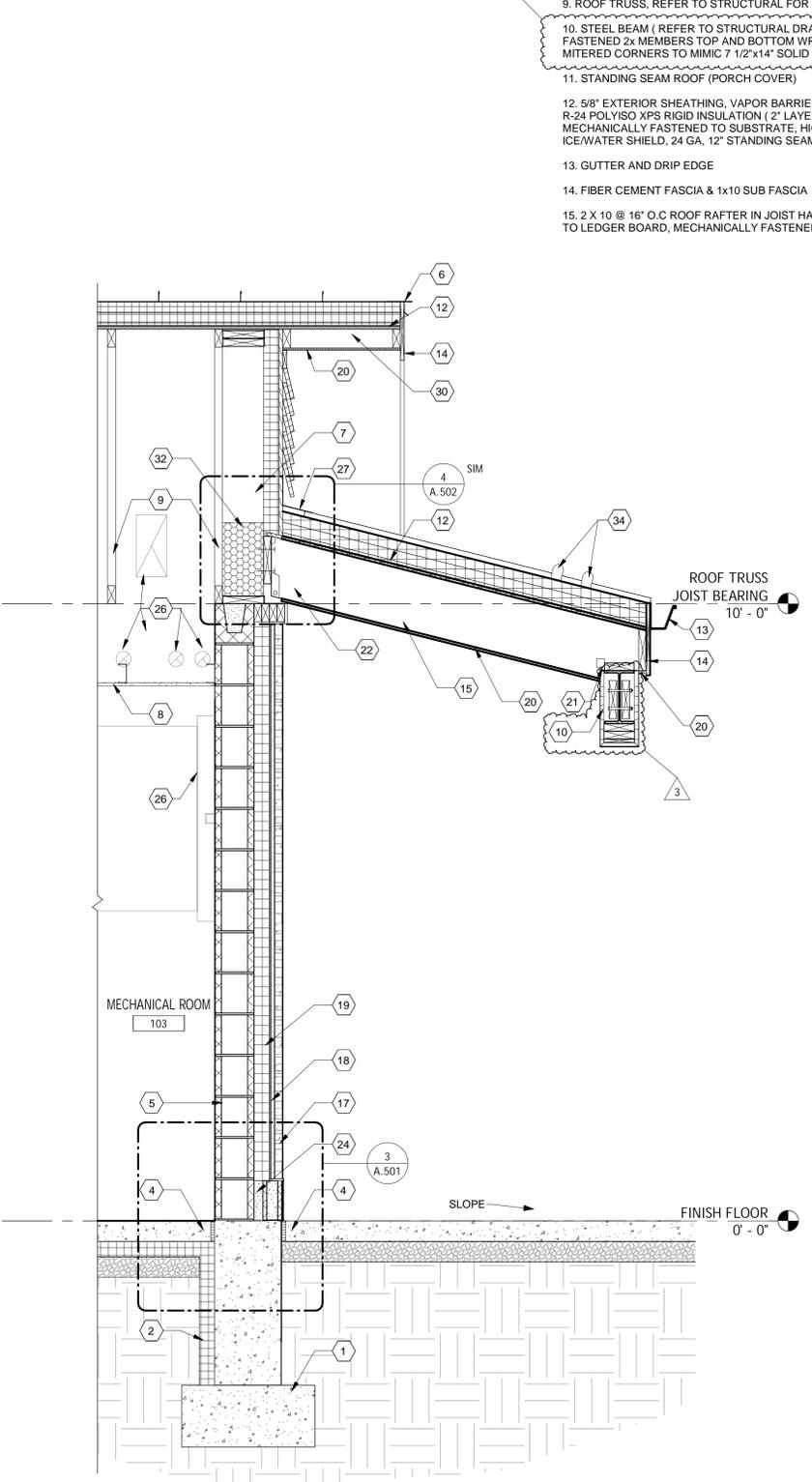
16. HORIZONTAL CLEARSTORY WINDOW
17. STONE VENEER OVER MORTAR BED, SCRATCH COAT AND METAL LATH.
18. 1/8" SURE CAVITY WIDE DRAINAGE MAT
19. 3" RIGID INSULATION, R-15 MIN., ADHESIVE APPLIED AND MECHANICALLY FASTENED TO CMU
20. 1/2" WOOD SOFFIT, STAINED TO MATCH WD-1
21. SIMPSON H3 HURRICANE TIE
22. SIMPSON 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
38. DEPRESS SLAB 3/4" FOR WALK OFF MAT INSTALLATION



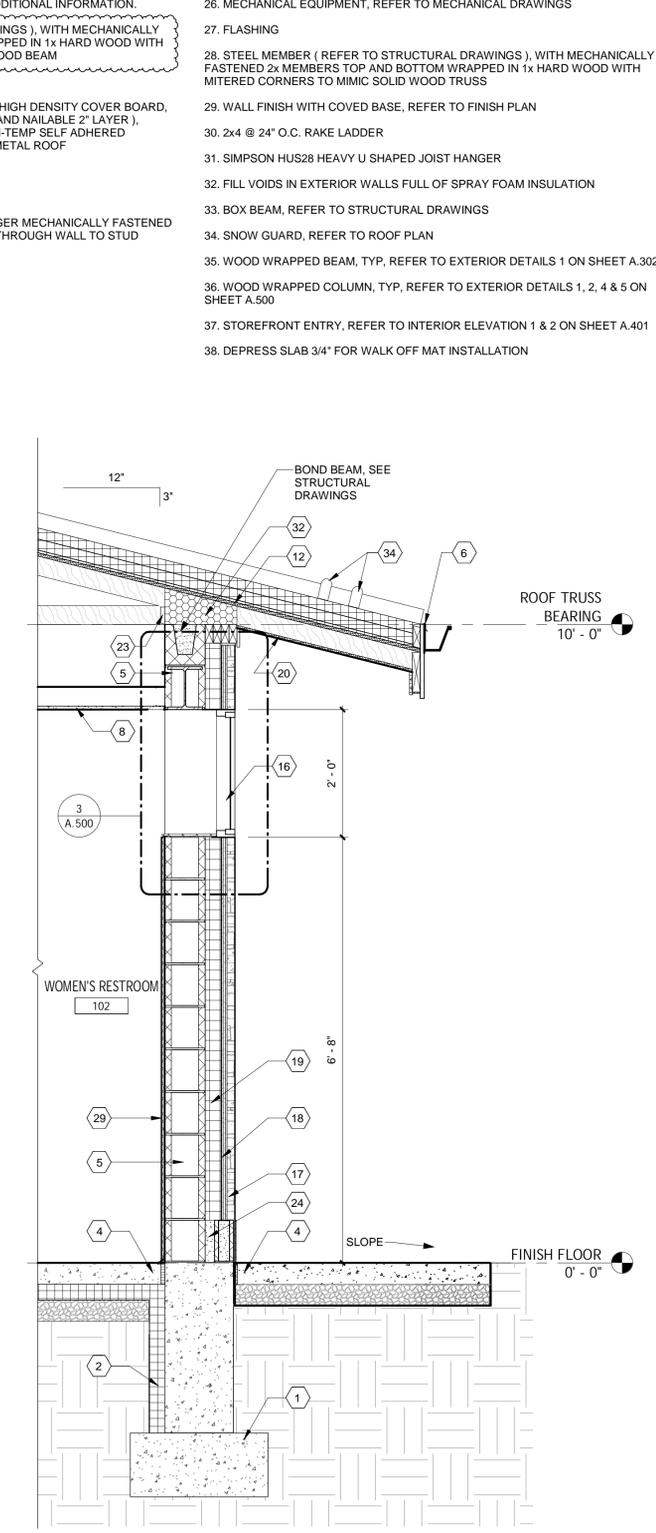
1 INTERIOR WALL SECTION
3/4" = 1'-0"



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

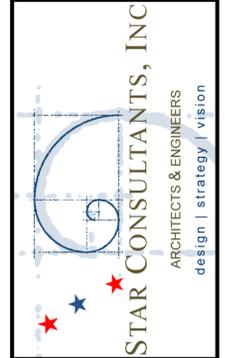
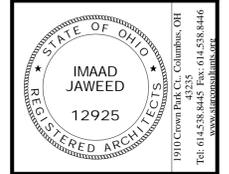


3 TYPICAL WALL SECTION
3/4" = 1'-0"



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

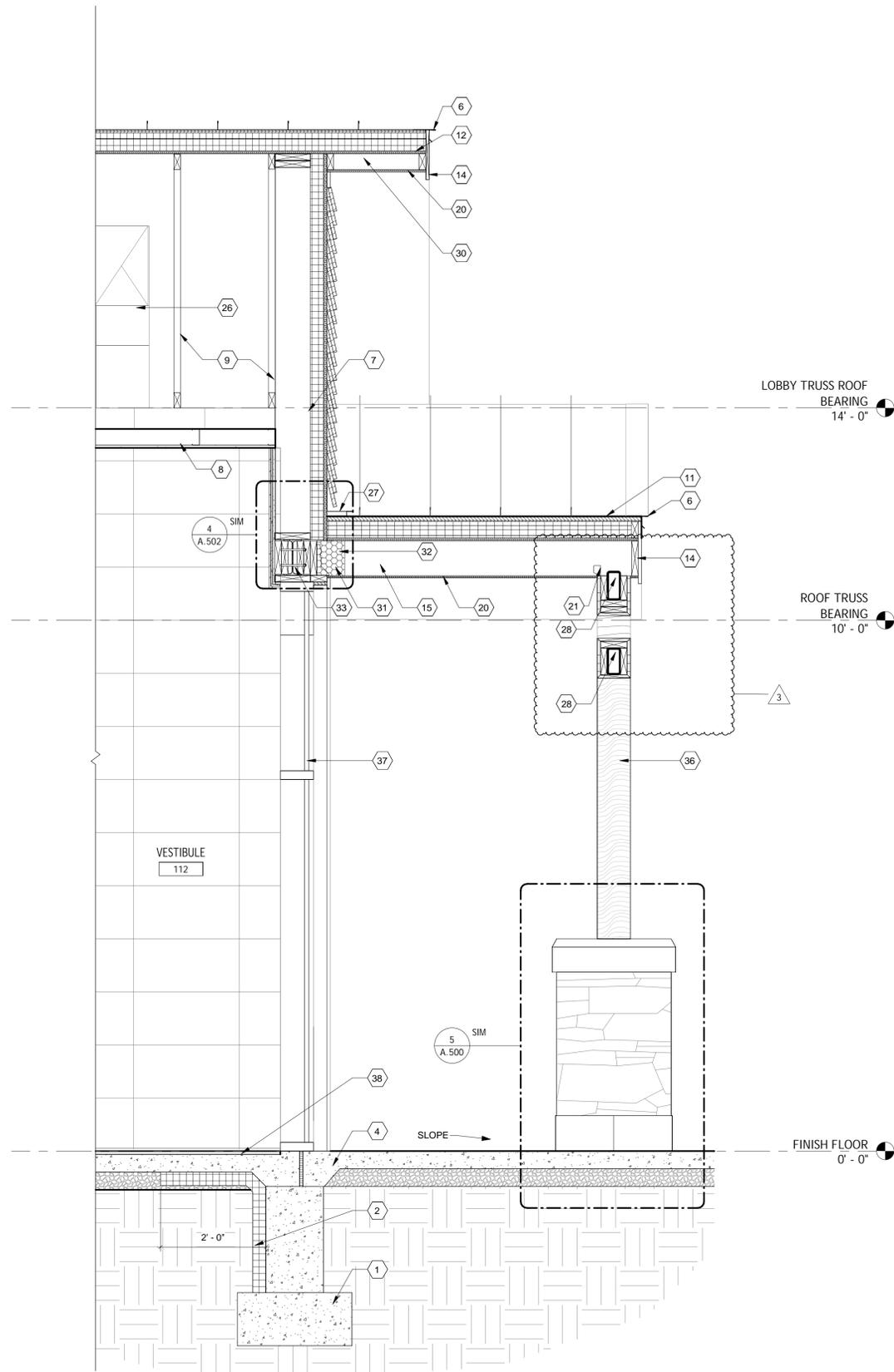
REV.	DATE	REMARKS
02	04.2026	BID SET
2	02.25.2026	ADDENDUM 1
3	03.03.2026	ADDENDUM 2



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"

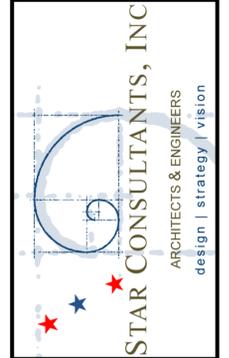
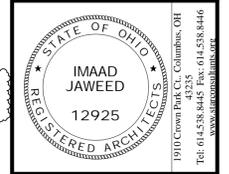
CODING NOTES

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 1 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. NOTCH RAFTER AROUND HSS BEAM.

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, 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. NOT USED
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
38. DEPRESS SLAB 3/4" FOR WALK OFF MAT INSTALLATION

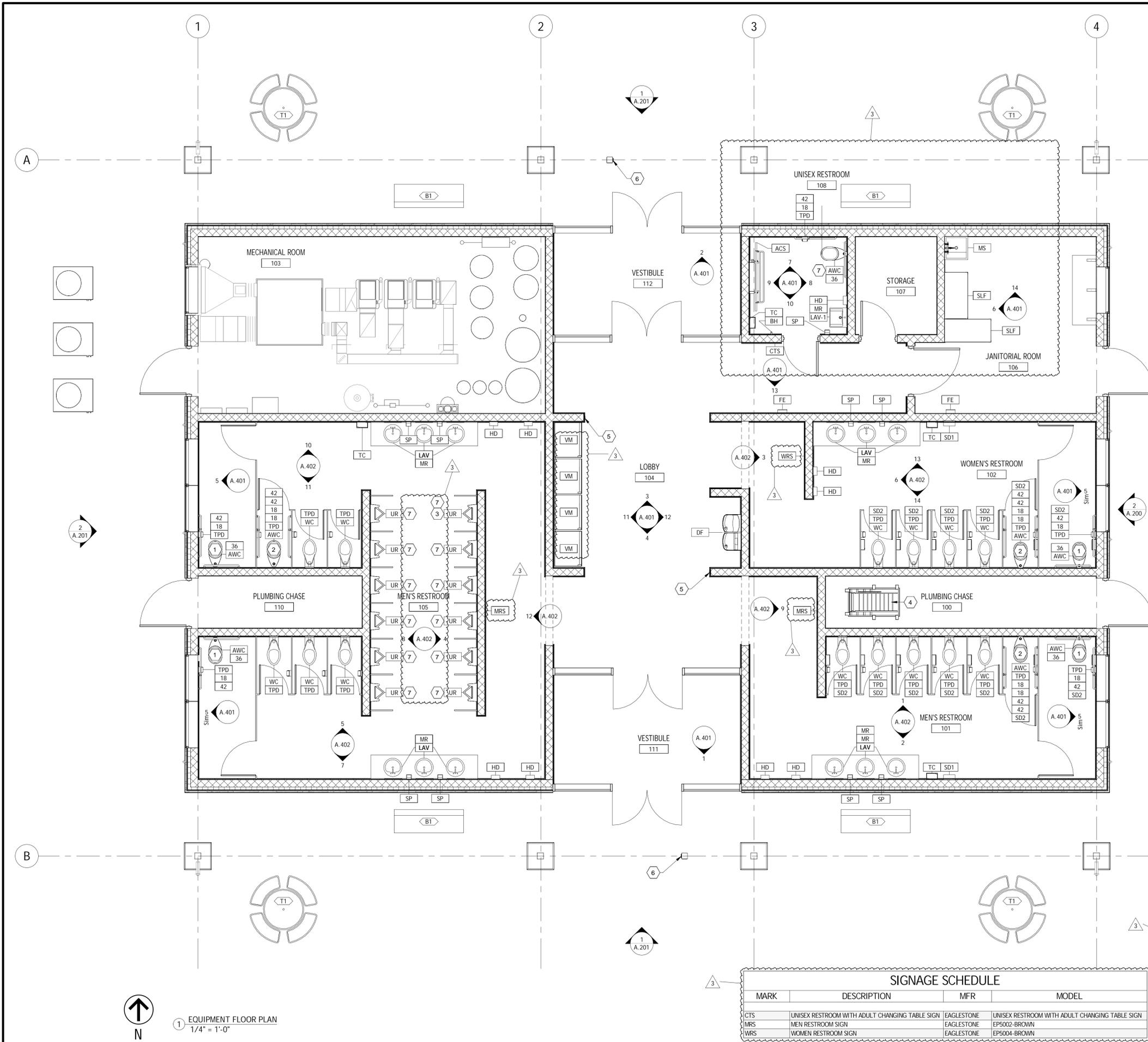
REV.	DATE	REVISIONS
02	04/2026	BID SET
2	02/25/2026	ADDENDUM 1
3	03/03/2026	ADDENDUM 2



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.
 - G.C. TO PROVIDE ACCESS PANEL AS NOTED IN PLUMBING FIXTURE SCHEDULE AT THIS FIXTURE.

FURNITURE SCHEDULE

TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL
B1	WOOD BENCH	CANTERBURY DESIGNS	BOWERY 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	LZ5TL8WSSK	-	REFER TO PLUMBING DRAWINGS
LAV	LAVATORY	ZURN	Z5120	-	REFER TO PLUMBING DRAWINGS
LAV-1	WALL HUNG LAVATORY	AMERICAN STANDARD	9024.001EC	-	REFER TO PLUMBING DRAWINGS
MS	MOP SINK	FIAT	MSB2424	-	REFER TO PLUMBING DRAWINGS
UR	URINAL	AMERICAN STANDARD	6506.011	12"x18"	REFER TO PLUMBING DRAWINGS
WC	STANDARD WATER CLOSET	AMERICAN STANDARD	3697001.020	-	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
ACS	Adjustable Height Changing Station	Koala Kare	KB2600
BH	Stainless Bag Hook	KOALA KARE	310-54-KIT
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
SLF	SH-ELF	ULINE	H-2886
SP	SOAP DISPENSER	BOBRICK	B-2012
TC	TRASH CAN	BOBRICK	B-9279
TPD	TOILET PAPER DISPENSER	BOBRICK	B-6699
VM	VENDING MACHINE	BY OTHERS	UNDER SEPARATE CONTRACT

SIGNAGE SCHEDULE

MARK	DESCRIPTION	MFR	MODEL
CTS	UNISEX RESTROOM WITH ADULT CHANGING TABLE SIGN	EAGLESTONE	UNISEX RESTROOM WITH ADULT CHANGING TABLE SIGN
MRS	MEN RESTROOM SIGN	EAGLESTONE	EP5002-BROWN
WRS	WOMEN RESTROOM SIGN	EAGLESTONE	EP5004-BROWN

REVISIONS

REV.	DATE	REMARKS
02	04/2026	BID SET
2	02/25/2026	ADDENDUM 1
3	03/03/2026	ADDENDUM 2

STATE OF OHIO REGISTERED ARCHITECTS
IMAAD JAWED
 12925
 1910 Crown Lakes, Columbus, OH 43235
 Tel: 614.538.8445 Fax: 614.538.8446
 www.imaad.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
EQUIPMENT FLOOR PLAN

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

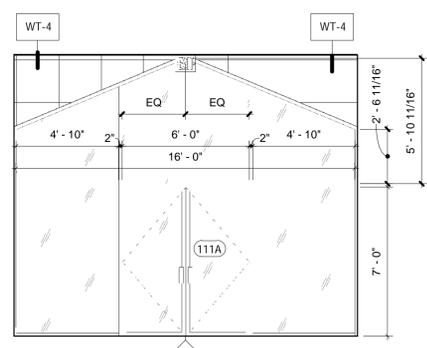
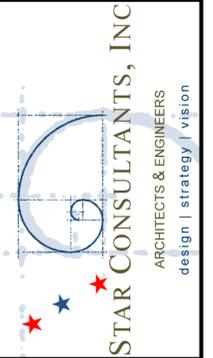
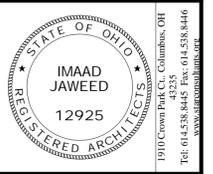
SHEET
A.400

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

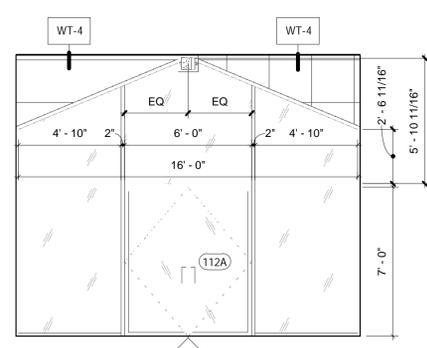
CODED INTERIOR ELEVATION NOTES:

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.

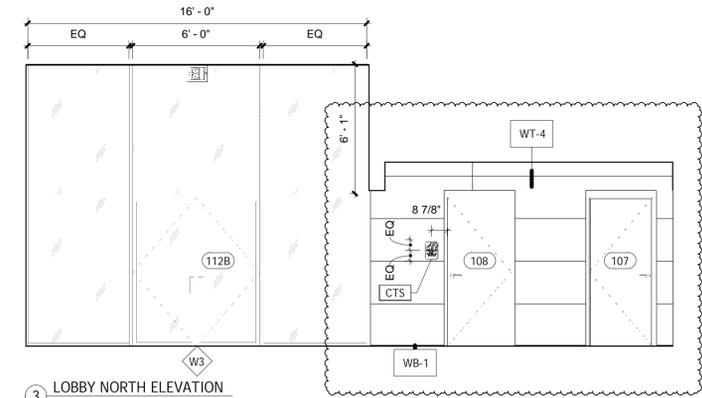
REV.	DATE	REMARKS
1	12.09.2025	A/HJ RESPONSE
2	02.04.2026	BID SET
3	02.25.2026	ADDENDUM 1
3	03.03.2026	ADDENDUM 2



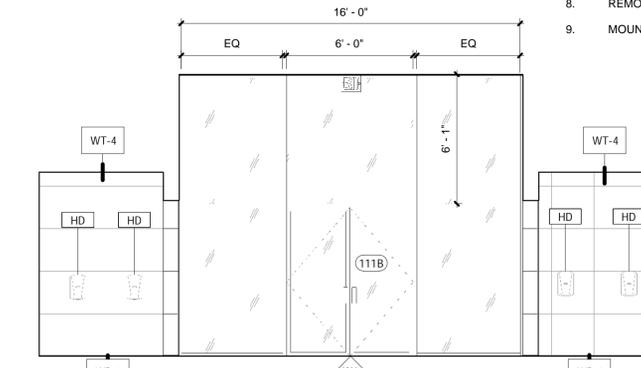
1 VESTIBULE 111 ELEVATION
1/4" = 1'-0"



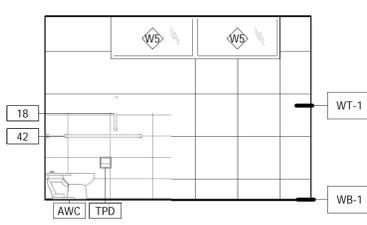
2 VESTIBULE 112 ELEVATION
1/4" = 1'-0"



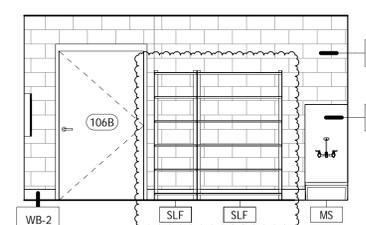
3 LOBBY NORTH ELEVATION
1/4" = 1'-0"



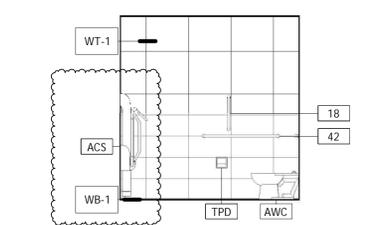
4 LOBBY SOUTH ELEVATION
1/4" = 1'-0"



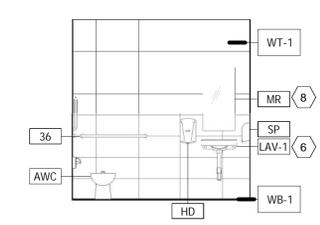
5 TYPICAL ACCESSIBLE STALL SIDEWALL
1/4" = 1'-0"



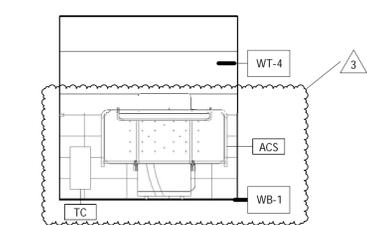
6 JANITOR'S ELEVATION
1/4" = 1'-0"



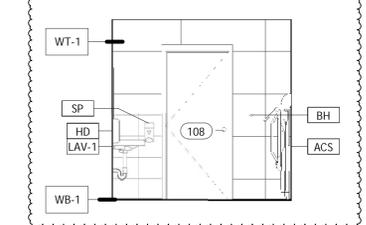
7 UNISEX RESTROOM 108 NORTH ELEVATION
1/4" = 1'-0"



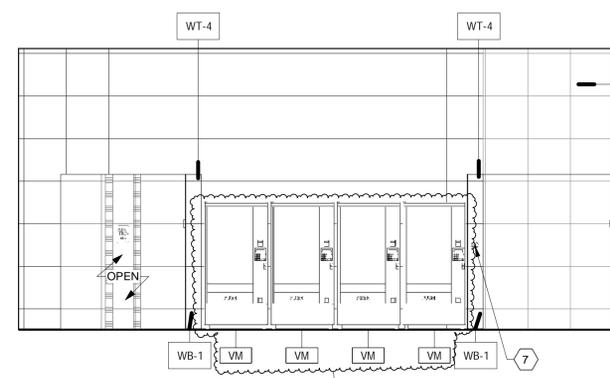
8 UNISEX RESTROOM 108 EAST ELEVATION
1/4" = 1'-0"



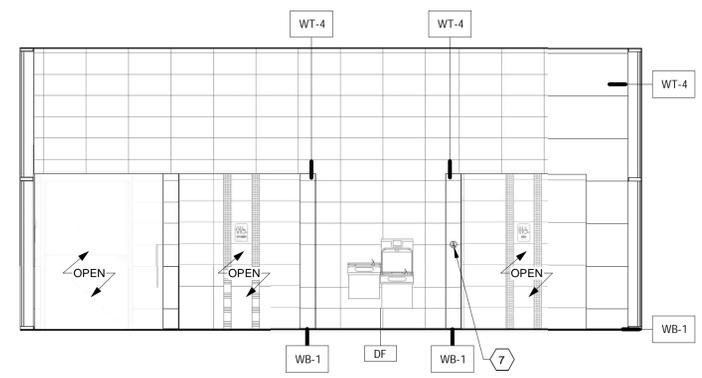
9 UNISEX RESTROOM 108 WEST ELEVATION
1/4" = 1'-0"



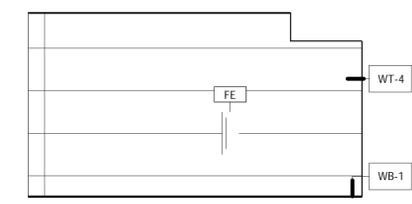
10 UNISEX RESTROOM 108 SOUTH ELEVATION
1/4" = 1'-0"



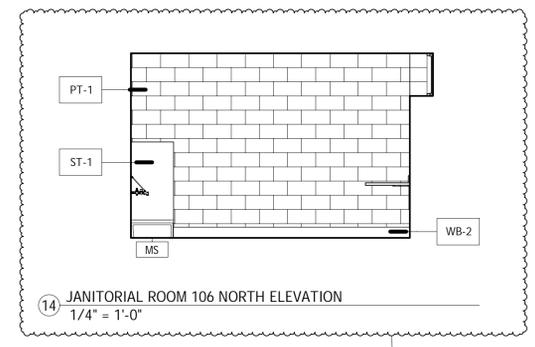
11 LOBBY WEST ELEVATION
1/4" = 1'-0"



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



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

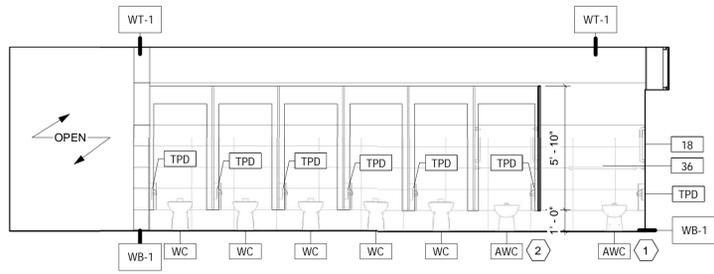


14 JANITORIAL ROOM 106 NORTH ELEVATION
1/4" = 1'-0"

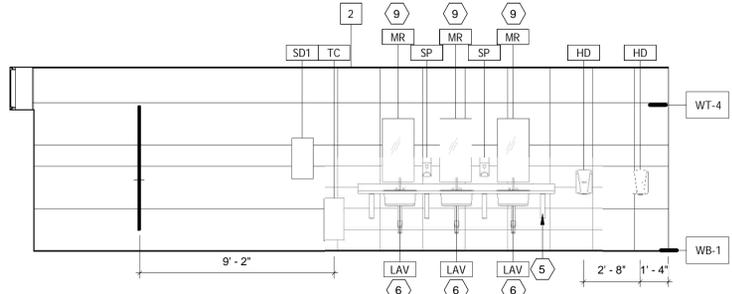
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 INTERIOR ELEVATIONS

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

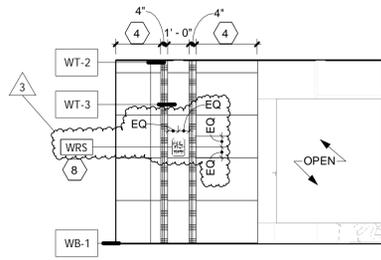
SHEET
A.401



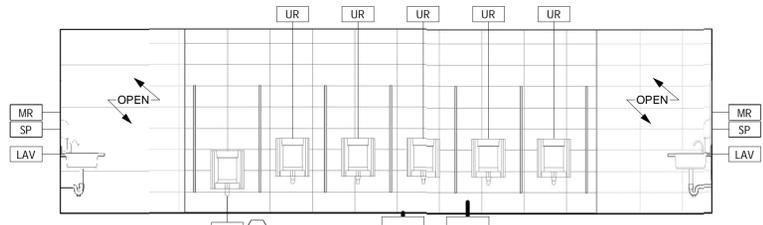
1 MEN'S RESTROOM 101 NORTH ELEVATION
1/4" = 1'-0"



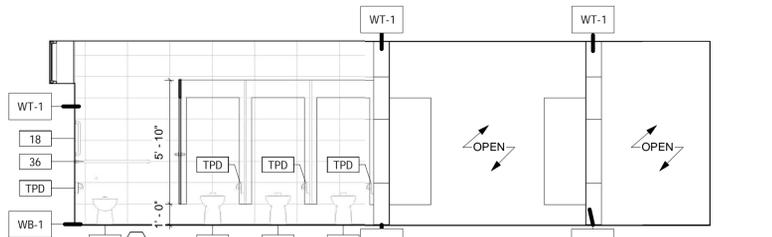
2 MEN'S RESTROOM 101 SOUTH ELEVATION
1/4" = 1'-0"



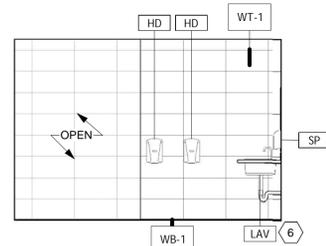
3 WOMEN'S RESTROOM 102 ENTRY
1/4" = 1'-0"



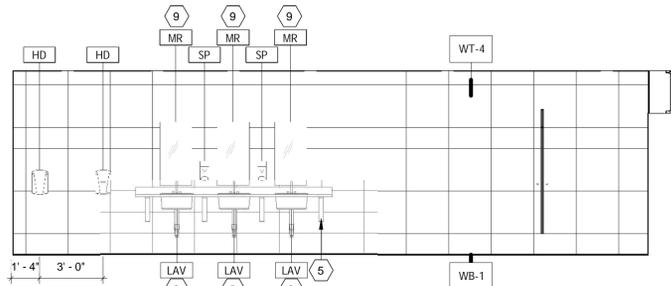
4 MEN'S RESTROOM 105 EAST ELEVATION
1/4" = 1'-0"



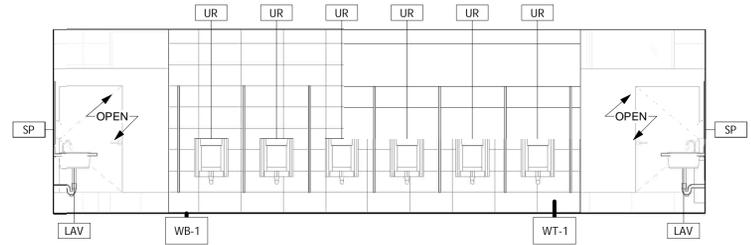
5 MEN'S RESTROOM 105 NORTH ELEVATION 2
1/4" = 1'-0"



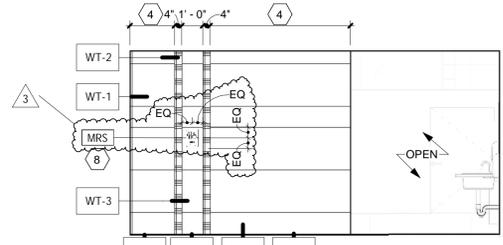
6 WOMEN'S RESTROOM 102 WEST ELEVATION
1/4" = 1'-0"



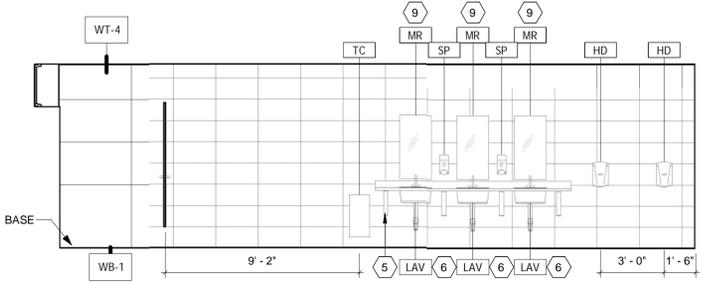
7 MEN'S RESTROOM 105 SOUTH ELEVATION 2
1/4" = 1'-0"



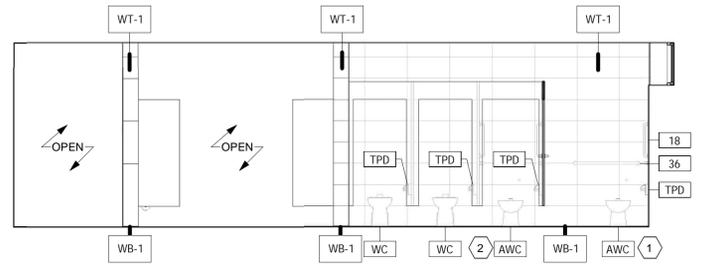
8 MEN'S RESTROOM 105 WEST ELEVATION
1/4" = 1'-0"



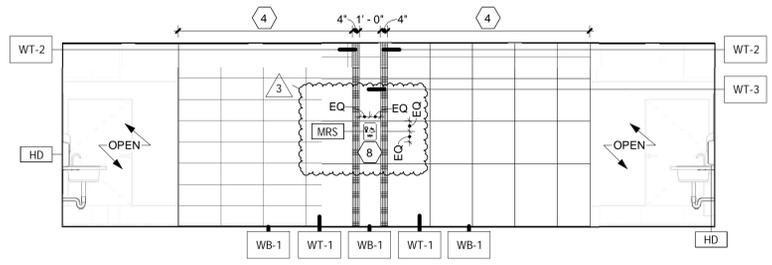
9 MEN'S RESTROOM 101 ENTRY
1/4" = 1'-0"



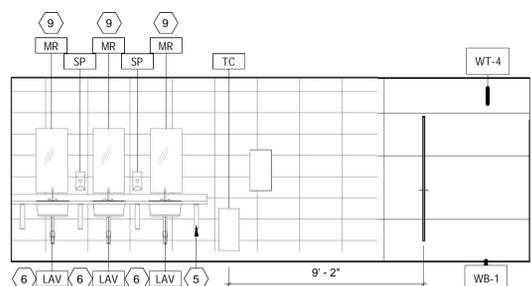
10 MEN'S RESTROOM 105 NORTH ELEVATION 1
1/4" = 1'-0"



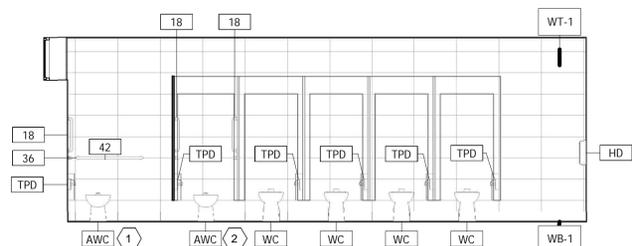
11 MEN'S RESTROOM 105 SOUTH ELEVATION 1
1/4" = 1'-0"



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



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

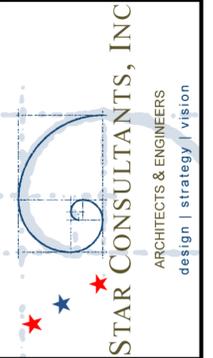
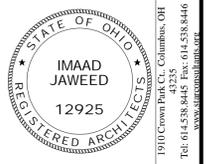


14 WOMEN'S RESTROOM 102 SOUTH ELEVATION
1/4" = 1'-0"

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.

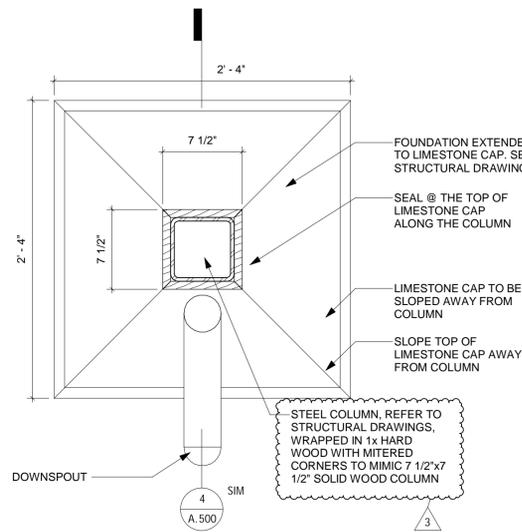
REV.	DATE	REMARKS
1	12.09.2025	AHJ RESPONSE
2	02.04.2026	BID SET
3	03.03.2026	ADDENDUM 2



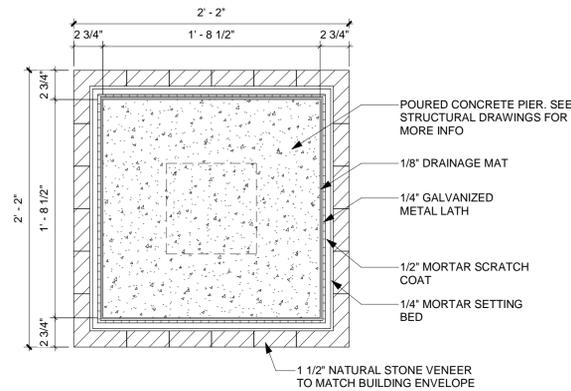
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 INTERIOR ELEVATIONS

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

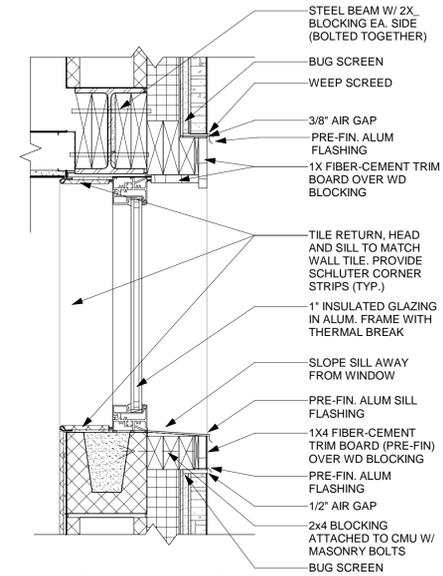
SHEET
A.402



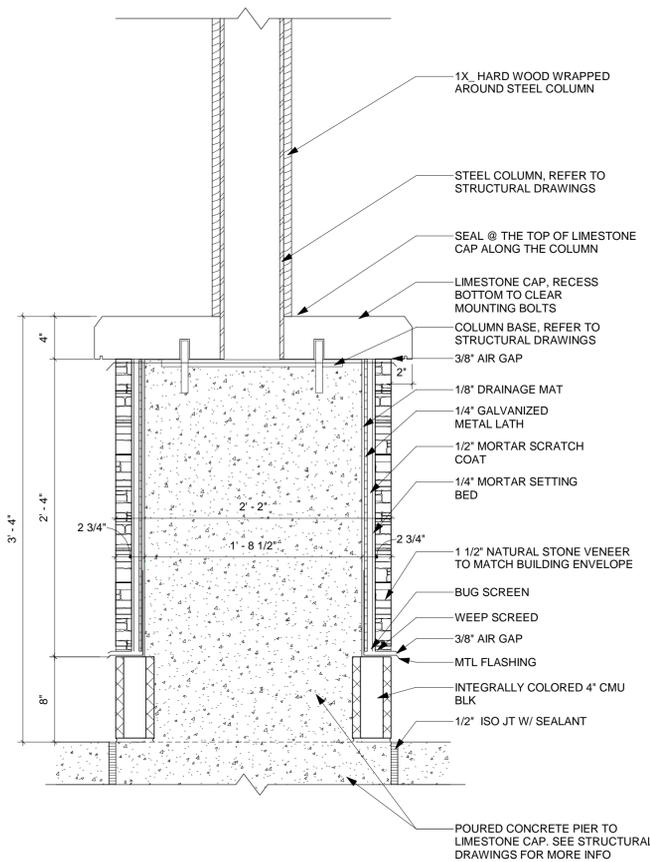
1 TYP COLUMN PLAN
1 1/2" = 1'-0"



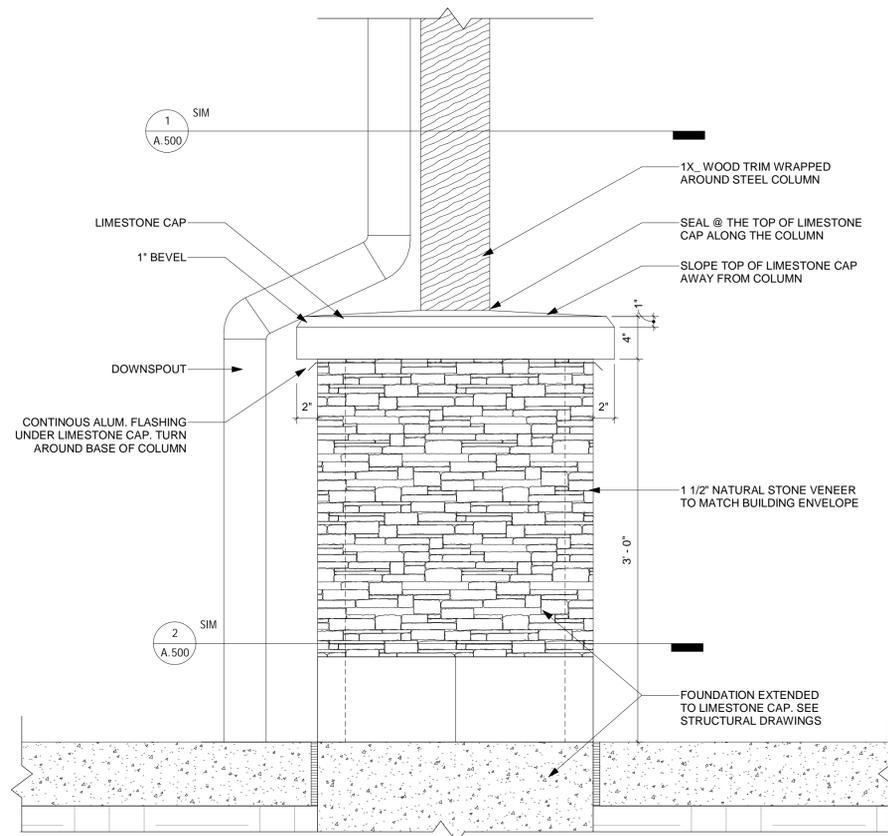
2 TYP COLUMN - PLAN CUT
1 1/2" = 1'-0"



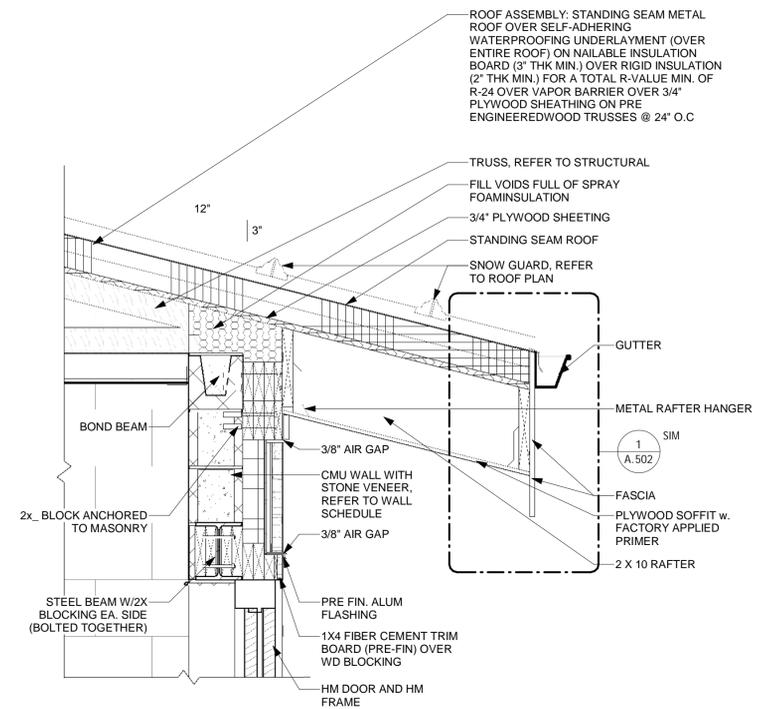
3 TYPICAL WINDOW DETAIL
1 1/2" = 1'-0"



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

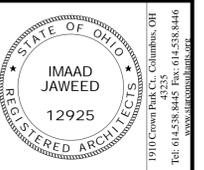


5 TYP COLUMN - ELEVATION
1 1/2" = 1'-0"



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

REV.	DATE	REMARKS
02	04/2026	BID SET
03	03/2026	ADDENDUM 2



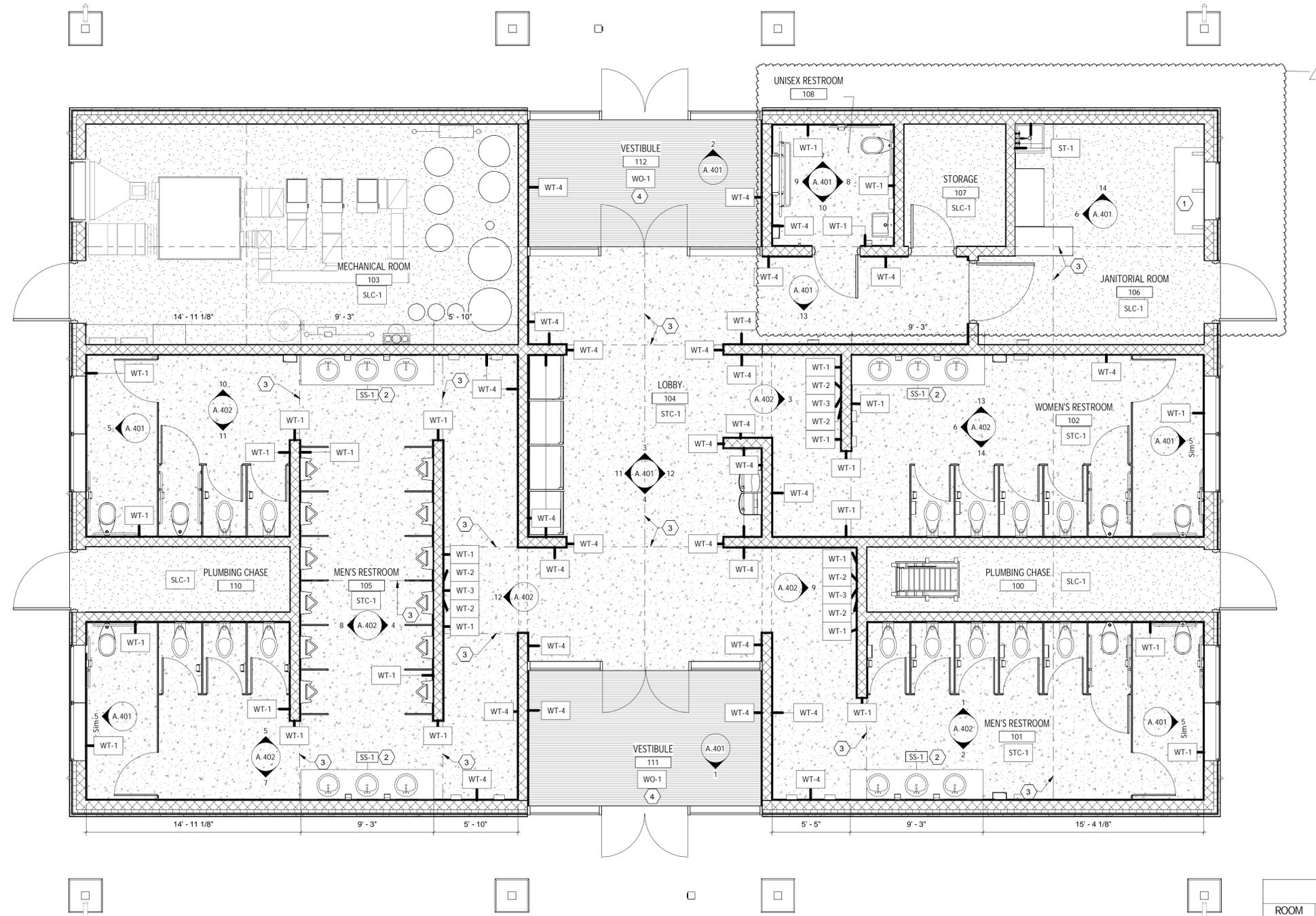
OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 I-70 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY
 EXTERIOR DETAILS

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

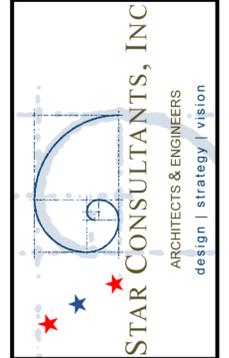
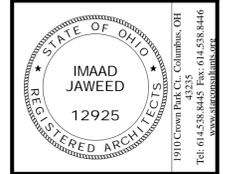
SHEET
A.500

CODED NOTES:

1. 24"x6'-0" DESK COUNTER
2. 24"x9'-3" LAVATORY COUNTER
3. CONTROL JOINTS
4. DEPRESS SLAB 3/4" FOR WALK OFF MAT INSTALLATION



REV.	DATE	REVISIONS
02	04/2026	BID SET
2	02/25/2026	ADDENDUM 1
3	03/03/2026	ADDENDUM 2



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	



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

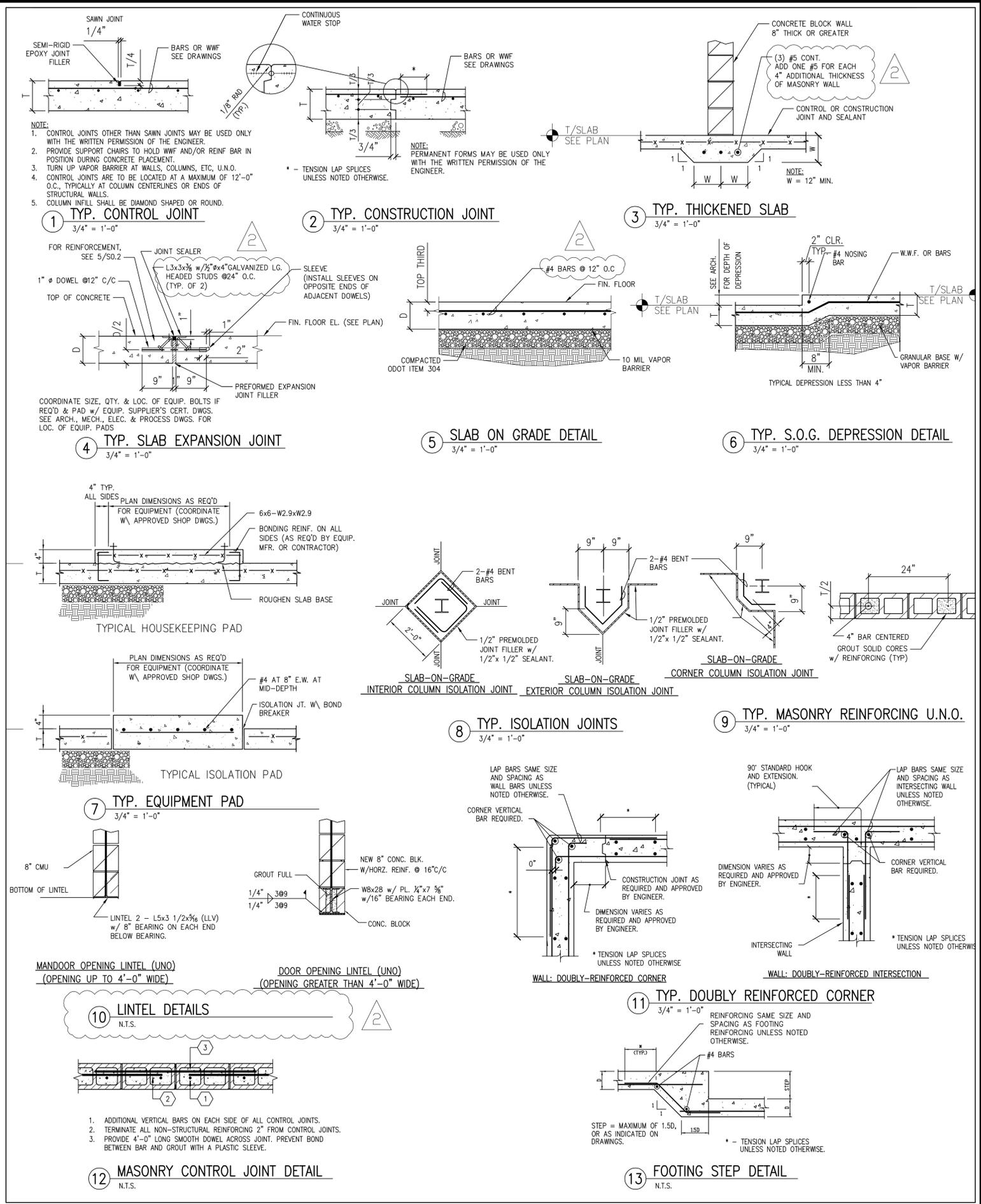
PJT #: 250009
 DATE: 10/24/2025
 DRN. BY: DAZ
 DGN. BY: DAZ
 REV. BY: AA

SHEET
A.600

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
INSPECTION OF FABRICATOR(S):		
1. APPLICABLE ELEMENT (FABRICATOR CERTIFICATION REQUIREMENTS):	PERIODIC	
WHEN SPECIAL INSPECTIONS ARE REQUIRED BY BUILDING OFFICIAL:		
A. FABRICATION AND IMPLEMENTATION PROCEDURES: THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION, CONTROL OF THE WORKMANSHIP, AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.		
WHEN SPECIAL INSPECTIONS ARE NOT REQUIRED BY BUILDING OFFICIAL:		
A. UPON COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.		
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
MATERIAL VERIFICATION OF STRUCTURAL STEEL:		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		ASTM A-6 OR ASTM A-568
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED		
MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS		AISC ASD SEC. A3.6; AISC LRFD SEC. A3.5
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		
INSPECTION OF WELDING:		
A. STRUCTURAL STEEL:		
1) COMPLIANCE AND PARTIAL PENETRATION GROOVE WELDS	CONT.	AWS D1.1
2) MULTI-PASS FILLET WELDS	CONT.	
3) SINGLE-PASS FILLET WELDS > 3/8"	CONT.	
4) SINGLE-PASS FILLET WELDS ≤ 3/8"	PERIODIC	
5) FLOOR AND ROOF DECK WELDS	PERIODIC	AWS D1.3
6. INSPECTION OF STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS:		
A. DETAILS SUCH AS BRACING AND STIFFENING	PERIODIC	IBC 1704.3.2
B. MEMBER LOCATIONS		
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION		
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
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	

	FREQUENCY	REFERENCED STANDARD
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 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
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.
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

STRUCTURAL ABBREVIATIONS	
A.B.	- ANCHOR BOLT
ADJ.	- ADJUSTABLE
ALT.	- ALTERNATE
ADDL.	- ADDITIONAL
A.F.F.	- ABOVE FINISH FLOOR
ARCH.	- ARCHITECT OR ARCHITECTURAL
@	- AT
&	- AND
BLK.	- BLOCK
BLDG.	- BUILDING
BM.	- BEAM
BOT.	- BOTTOM
BSMT.	- BASEMENT
BP.	- BASE PLATE
BRG.	- BEARING
CANT.	- CANTILEVER
C/C	- CENTER TO CENTER
C.J.	- CONTROL JOINT
C.L.	- CENTERLINE
CLR.	- CLEAR
COL.	- COLUMN
C.J.	- 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
DWG.	- DRAWING
DWL.	- DOWEL
EA.	- EACH
E.E.	- EACH END
E.F.	- EACH FACE
EXP JT	- EXPANSION JOINT
EL.	- ELEVATION
ELEV.	- ELEVATOR
E-W	- EAST-WEST
E.W.	- EACH WAY
E.Q.P.	- EQUIPMENT
EX.	- EXISTING
EXIST.	- EXISTING
EXT.	- EXTERIOR
FDN.	- FOUNDATION
FIN.	- FINISH
F.L.	- FULL LENGTH
FLR.	- FLOOR
F.S.	- FAR SIDE
FTG.	- FOOTING
GA.	- GAGE
GD.	- GRADE
GRD.	- GROUND
HORIZ.	- 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
NS	- NEAR SIDE
NTS	- NOT TO SCALE
OPG.	- OPENING
OPP.	- OPPOSITE
O/C	- ON CENTER
PL.	- PLATE
PSF	- POUNDS PER SQUARE FOOT
R.	- RISER
R/C	- REINFORCED CONCRETE
REINF.	- REINFORCE (D) (ING)
REQD.	- REQUIRED
SCHED.	- SCHEDULE
SECT.	- SECTION
SHT.	- SHEET
S.J.	- STEEL JOIST
SL	- SLOPED
S.O.G.	- SLAB-ON-GRADE
SPA.	- SPACES OR SPACING
SPRD.	- SPREAD
S.S.	- SOLID SLAB
STD.	- STANDARD
STL.	- STEEL
STR.	- STRUCTURE
STRU.	- STRUCTURAL
SUP.	- SUPPORT
SYM.	- SYMMETRICAL
T.	- TOP
T.&B.	- TOP & BOTTOM
T/CONC.	- TOP OF CONCRETE
TST	- TOP OF STEEL
TSL	- TOP OF SLAB
TYP.	- TYPICAL
U.N.O.	- UNLESS NOTED OTHERWISE
VERT.	- VERTICAL
VBAR.	- VAPOR BARRIER
W/	- WITH
W/O	- WITHOUT
W.W.F.	- WELDED WIRE FABRIC



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

REVISIONS	DATE	REMARKS
REV# 1	02/27/2026	ADDENDUM #1
2	03/06/2026	ADDENDUM #2

STATE OF OHIO
 REGISTERED PROFESSIONAL ENGINEER
 ALI ALGHOTHANI
 E-57345

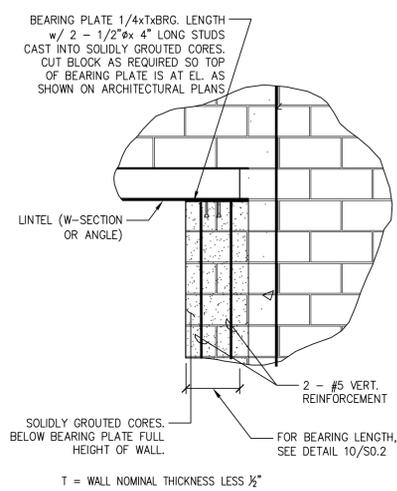
STAR CONSULTANTS, INC.
 ARCHITECTS & ENGINEERS
 design | strategy | vision

OHIO DEPARTMENT OF TRANSPORTATION
 FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, EATON, PREBLE COUNTY

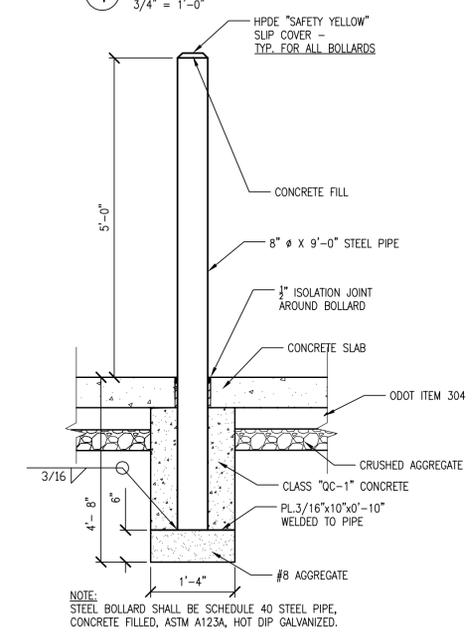
GENERAL NOTES & TYPICAL DETAILS

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

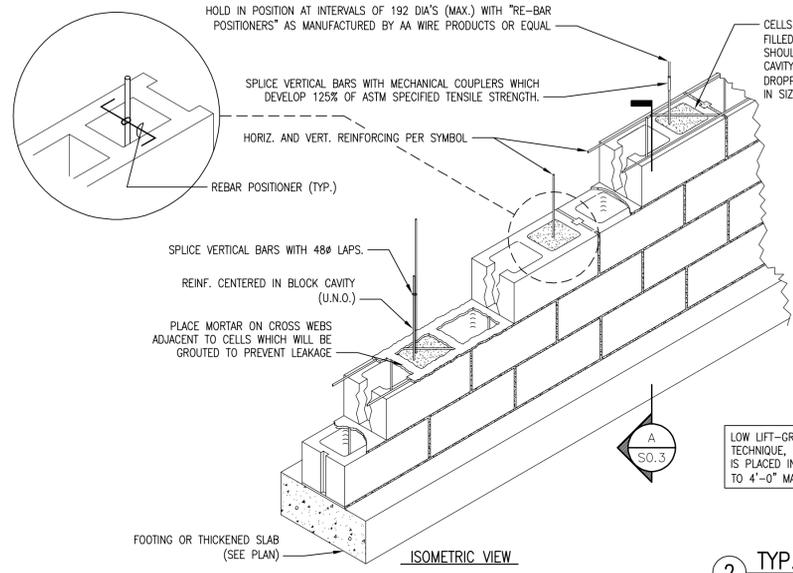
SHEET
 S0.2



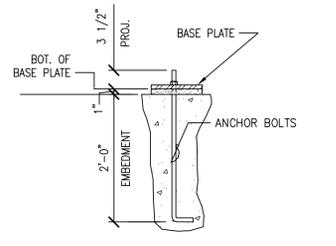
1 TYP. LINTEL BEARING
3/4" = 1'-0"



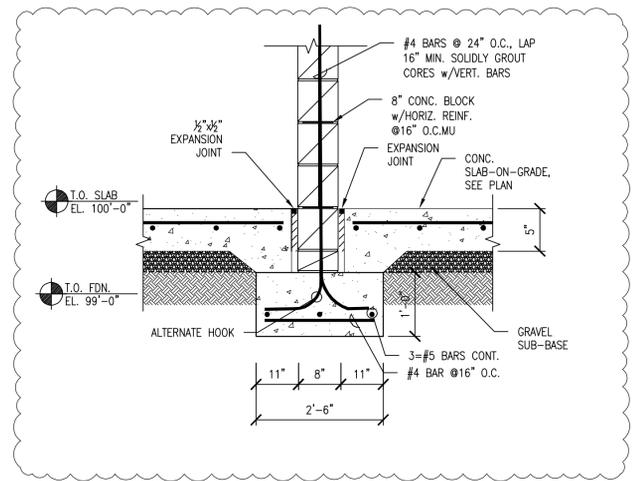
4 BOLLARD DETAIL
3/4" = 1'-0"



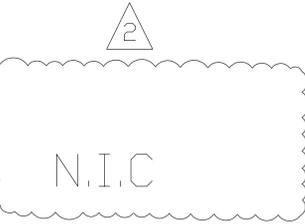
2 TYP. MASONRY CONSTRUCTION
3/4" = 1'-0"



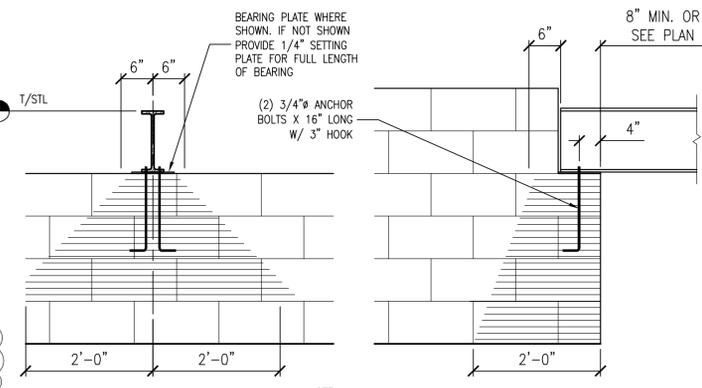
5 TYP. ANCHOR BOLT DETAIL
3/4" = 1'-0"



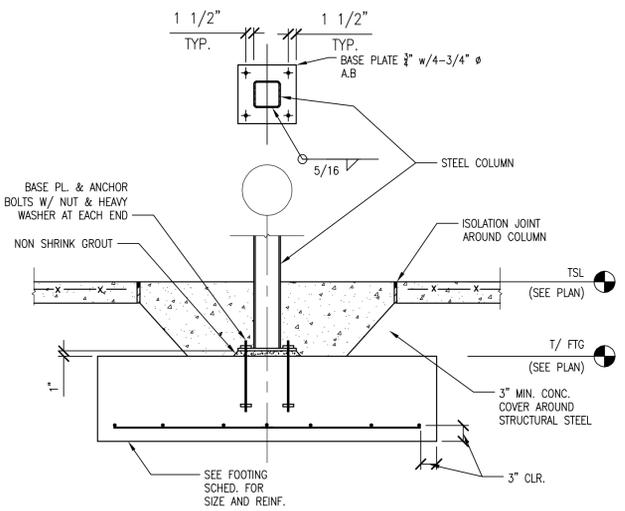
6 TYP. INTERIOR WALL BEARING FOUNDATION
N.T.S.



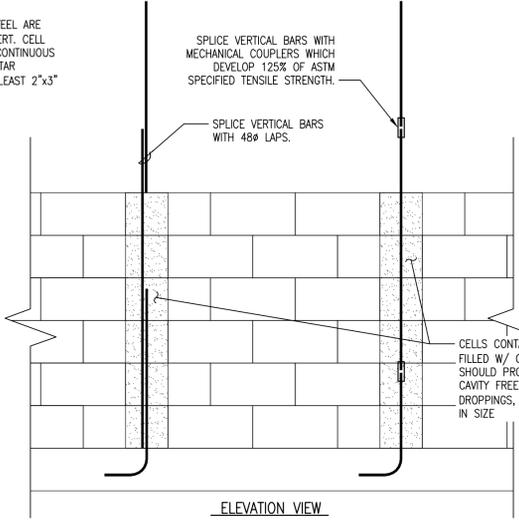
8 BRACING CONNECTION
N.T.S.



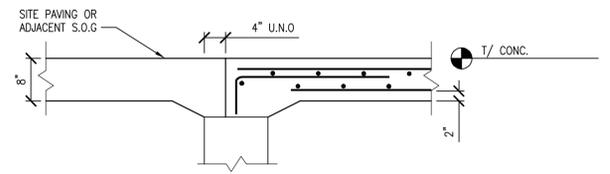
9 TYP. BEAM TO MASONRY WALL CONN
3/4" = 1'-0"



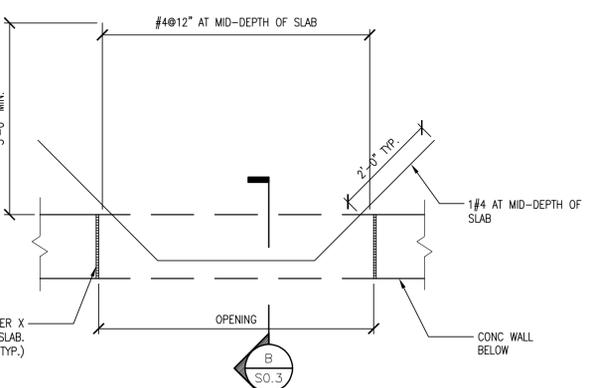
10 TYP. INTERIOR SPREAD FOUNDATION
3/4" = 1'-0"



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

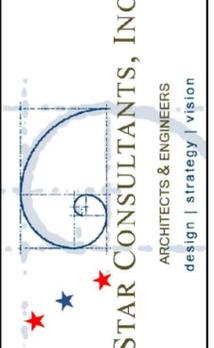


7 TYP. SLAB-ON-GRADE REINF. AT WALL OPENING
N.T.S.



A TYPICAL SECTION
N.T.S.

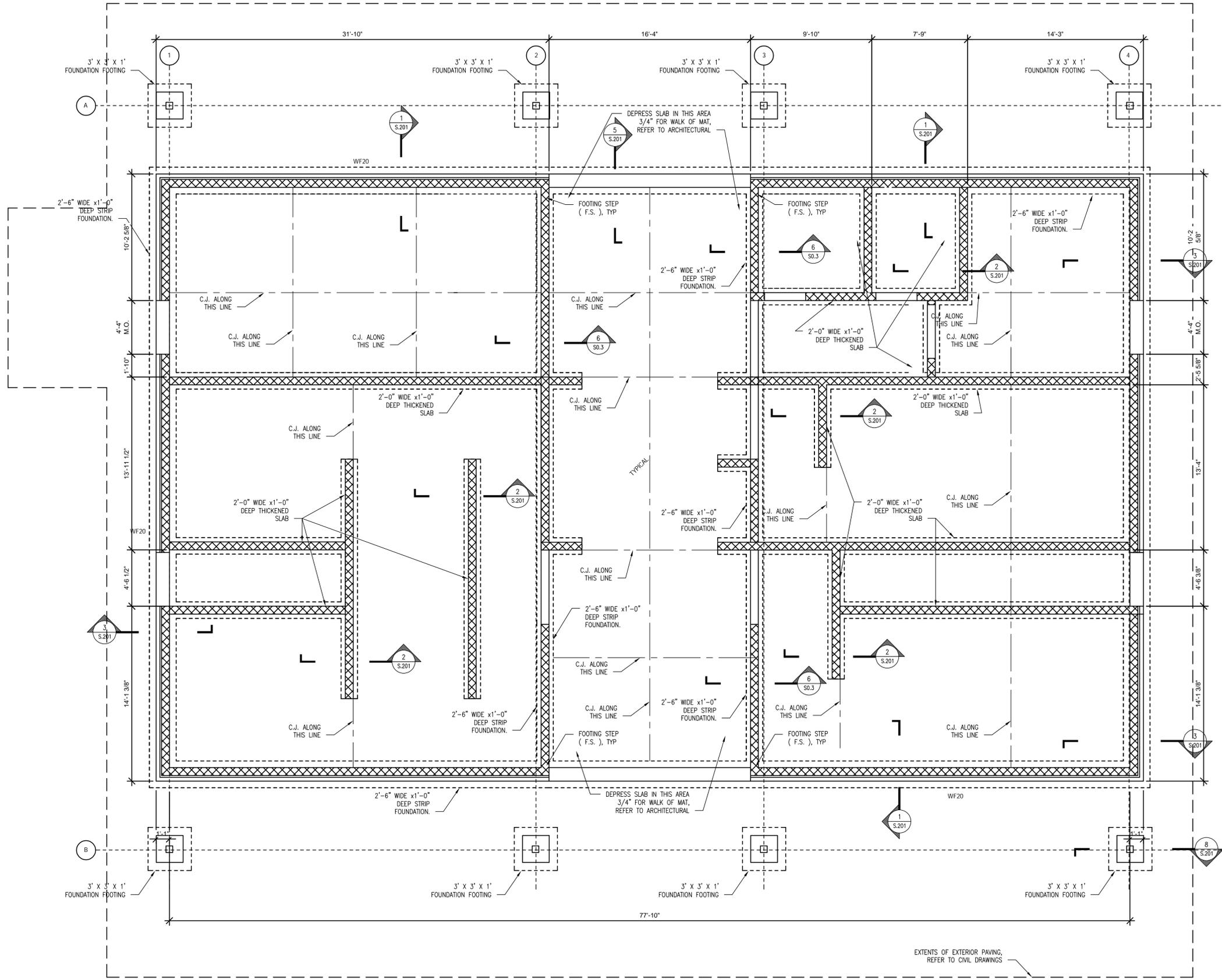
REV#	DATE	REMARKS
1	02/27/2026	ADDENDUM #1
2	03/06/2026	ADDENDUM #2



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, EATON, PREBLE COUNTY
TYPICAL STRUCTURAL DETAILS

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

SHEET
S0.3



① FOUNDATION PLAN
1/4" = 1'-0"

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" ODDT 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 SO.2.
3. FOR SLAB-ON-GRADE CONTROL JOINT, SEE DETAIL 1 ON SO.2.
4. FOR THICKENED SLAB, SEE DETAIL 3 ON SO.2.
5. FOR SLAB-ON-GRADE REINFORCING, SEE DETAIL 5 ON SO.2.
6. FOR SLAB-ON-GRADE DEPRESSION, SEE DETAIL 6 ON SO.2.
7. FOR EQUIPMENT PAD, SEE DETAIL 7 ON SO.2.
8. FOR ISOLATION JOINTS AROUND COLUMNS, SEE DETAIL 8 ON SO.2.
9. FOR MASONRY WALL REINFORCING, SEE DETAIL 9 ON SO.2.
10. FOR OPENING LINTELS, SEE DETAILS 10 ON DWG. SO.2.
11. FOR TYP. PIPE PENETRATION THRU WALL/FOUNDATION, SEE DETAIL 3 ON SO.2.
12. FOR GENERAL STRUCTURAL NOTES & DETAILS, SEE DWG. SO.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 SO.2.
16. FOR TYP. MASONRY CONSTRUCTION, SEE DETAIL 1 ON SO.3.

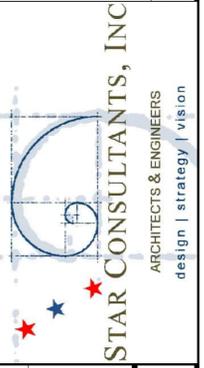
GENERAL NOTES:

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. WHERE FILL IS ON BOTH SIDES OF A WALL BRING THE FILL UP UNIFORMLY.
6. REFERENCE: GENERAL STRUCTURAL NOTES ON SO.1.
7. SLAB ON GRADE FINISH FLOOR SHALL BE BULLFLOAT.
8. ALL EXPOSED BASE PLATES, BOLTS AND NUTS SHALL BE STAINLESS STEEL (UNO).
9. PITCH SLABS TO FLOOR DRAINS, SEE PLUMBING DWGS.
10. 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 1223.92' = RESTROOM BUILDING FIN. FL. ELEV. 100'-0"
2. SLAB-ON-GRADE LOAD, LIVE LOAD = 150 PSF.

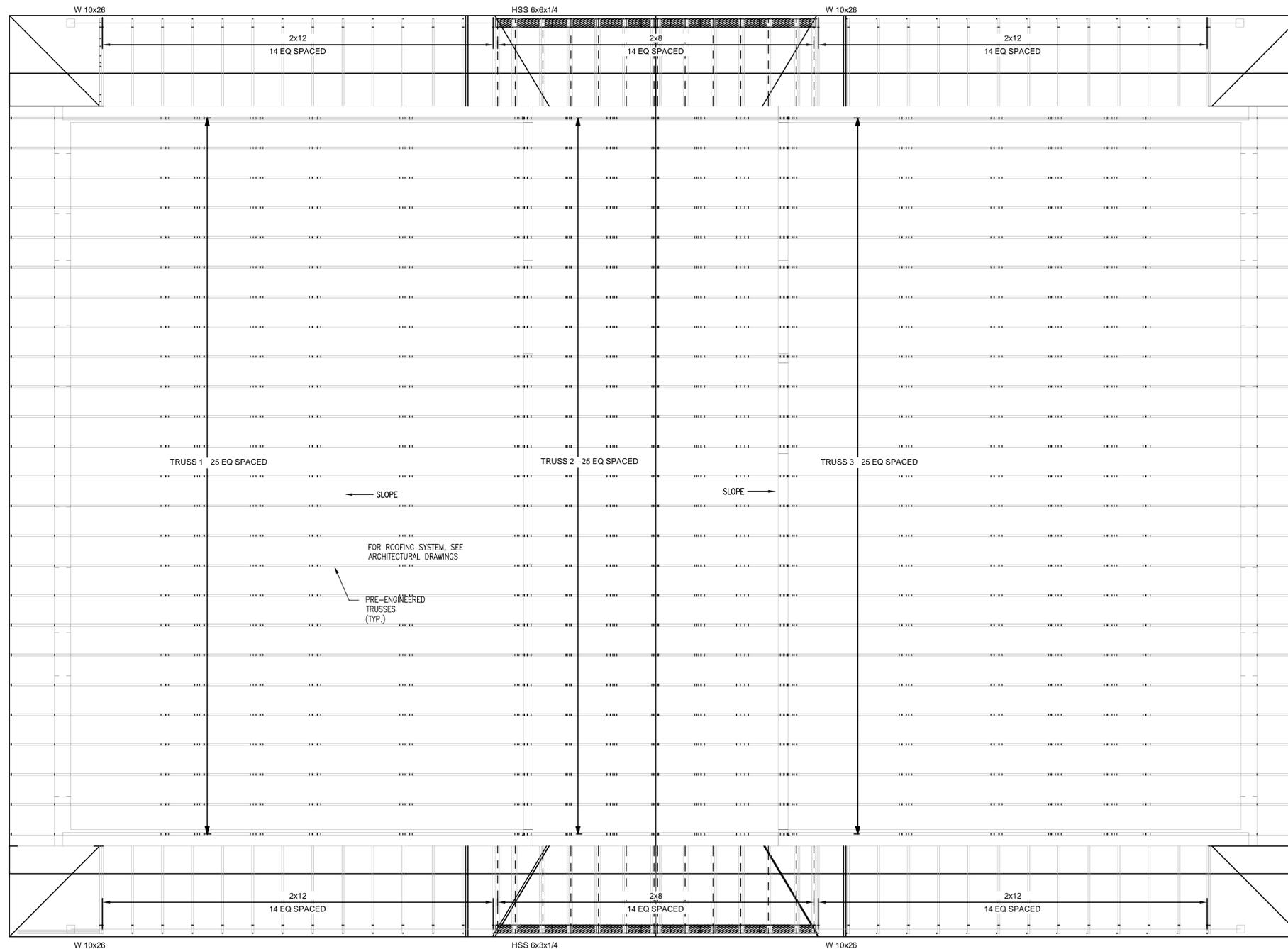
REV#	DATE	REMARKS	SD SET	CD SET
01	08/14/25			
02	02/04/26			



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, EATON, PREBLE COUNTY
FOUNDATION PLAN

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

SHEET
S101



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 LIVE LOAD DEFLECTION 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 DETAIL NO. 10 ON S0.2.
- FOR MASONRY CONTROL JOINTS, SEE DETAIL NO. 12 ON S0.2.

2

REV#	DATE	REMARKS
1	02/27/2026	ADDENDUM #1
2	03/06/2026	ADDENDUM #2

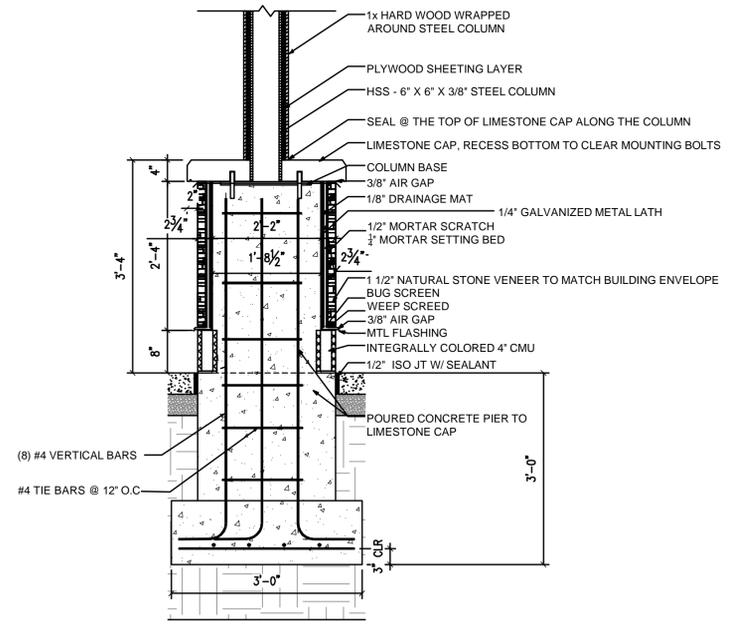
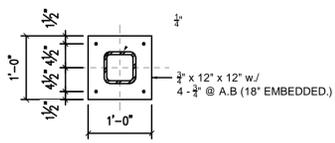
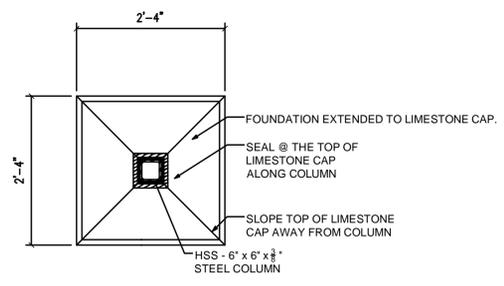
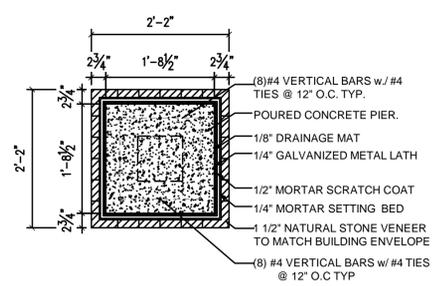
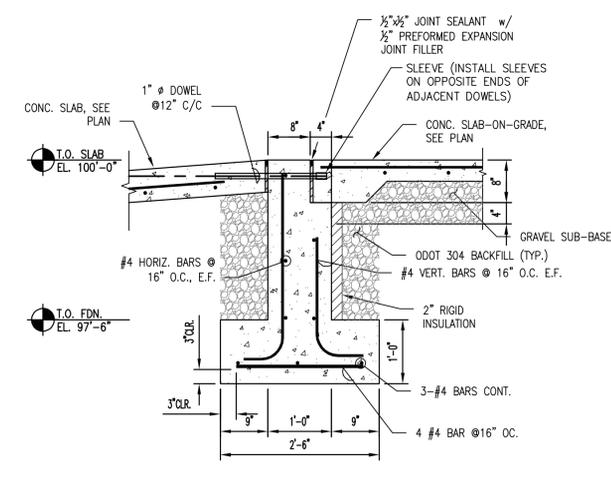
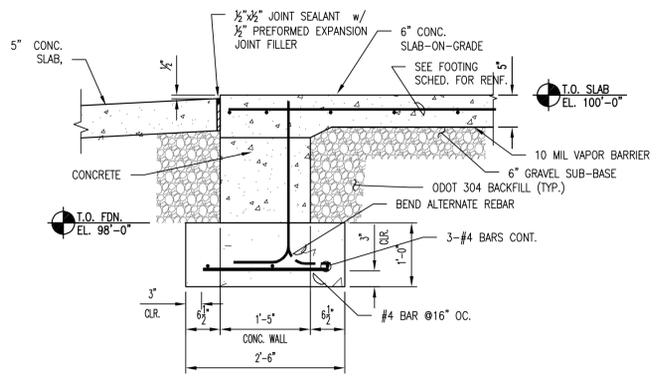
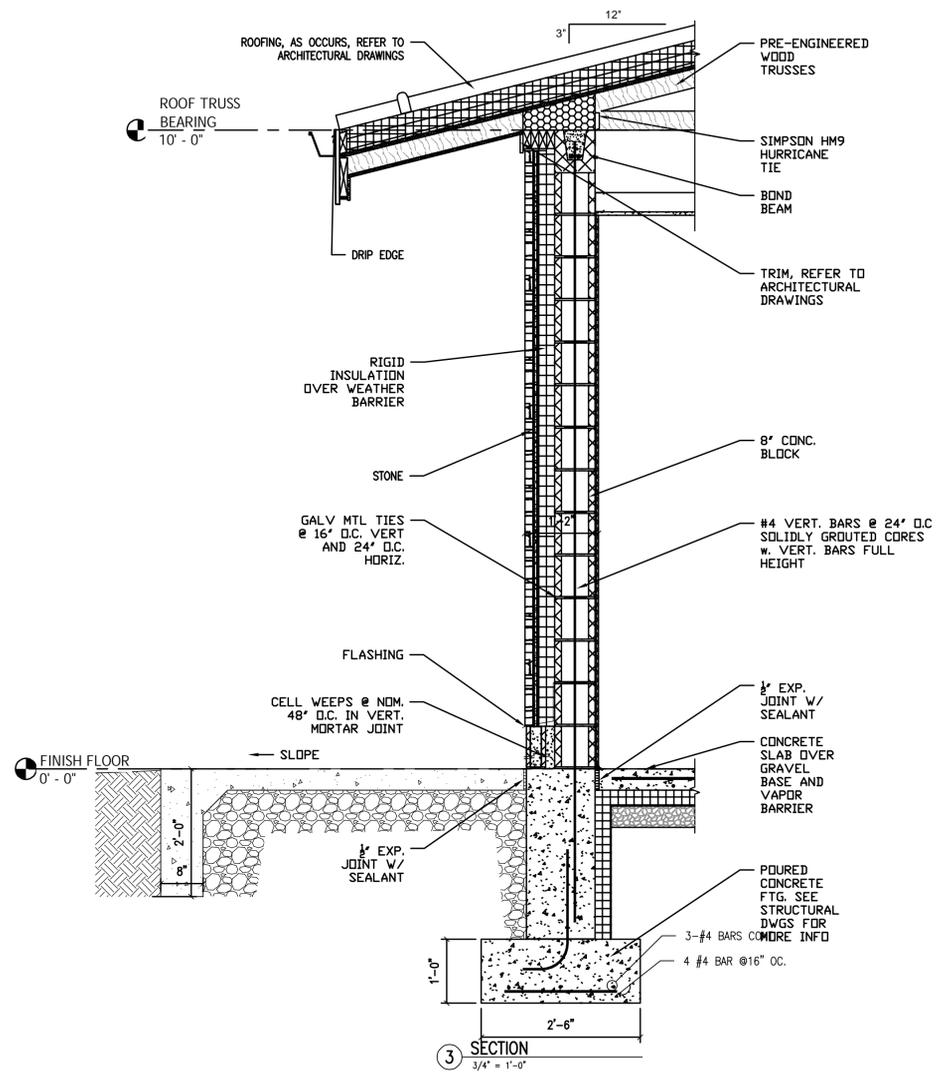
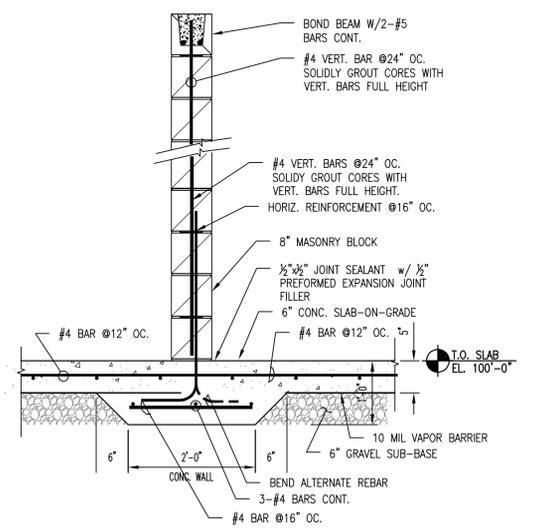
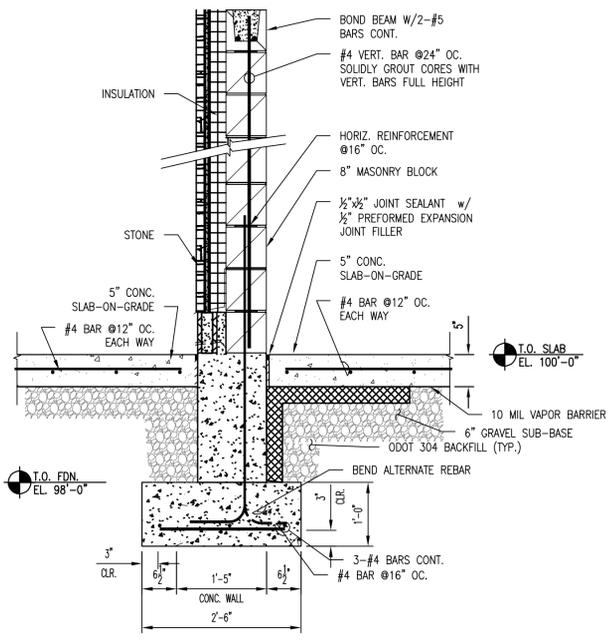


STAR CONSULTANTS, INC
 ARCHITECTS & ENGINEERS
 design | strategy | vision

OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, EATON, PREBLE COUNTY
ROOF FRAMING PLAN

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

SHEET
S102

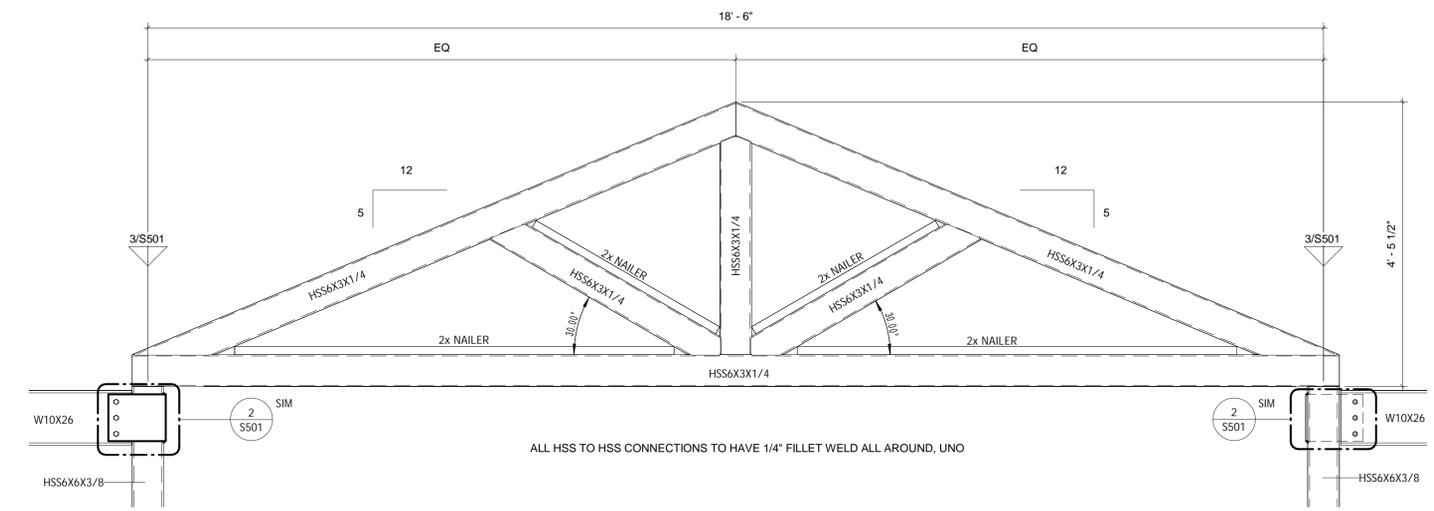


REV#	DATE	REMARKS
01	02/27/2026	ADDENDUM #1
02	03/06/2026	ADDENDUM #2

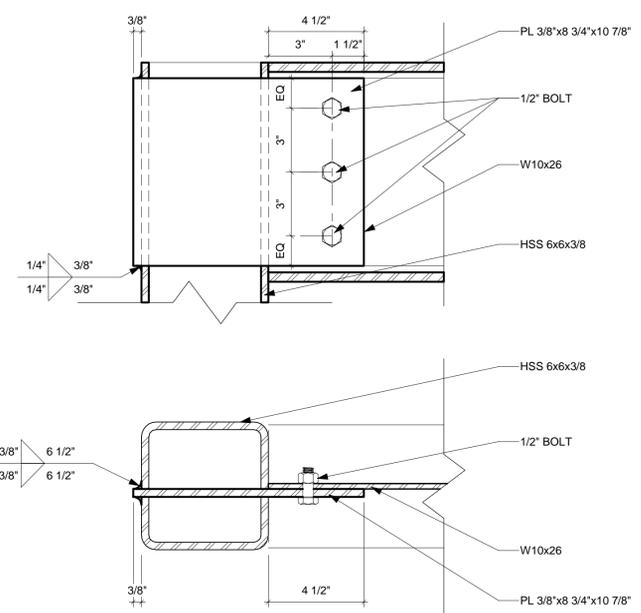


OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, OH 45347, PREBLE COUNTY

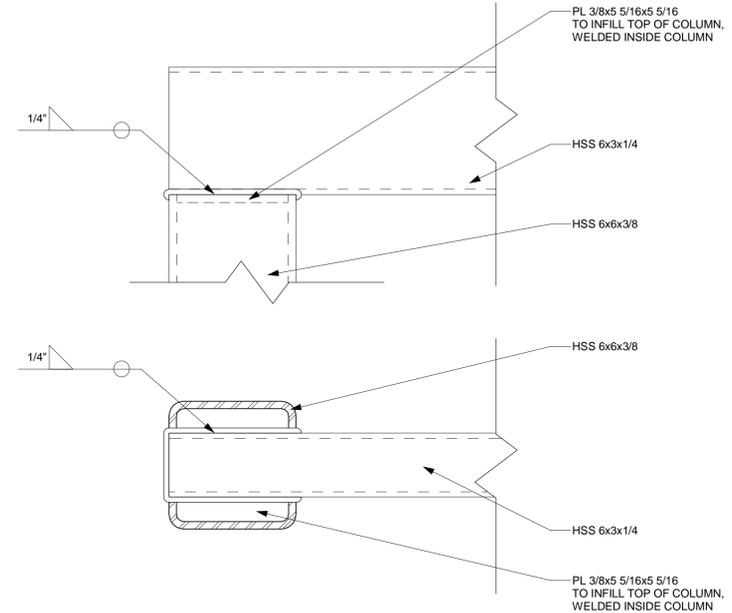
PIT #:	25009
DATE:	10/24/2025
DRN. BY:	AA
DGN. BY:	AA
REV. BY:	AMA



1 TRUSS PROFILE
3/4" = 1'-0"

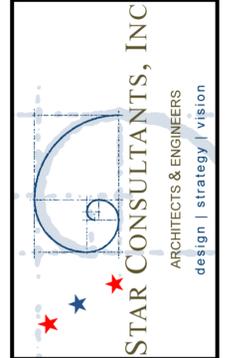


2 BEAM TO COLUMN CONNECTION
3" = 1'-0"



3 TRUSS TO COLUMN CONNECTION
3" = 1'-0"

REV.	DATE	REMARKS
3	03/03/2026	ADDENDUM 2



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

PJT #:	250009
DATE:	03/04/26
DRN. BY:	Author
DGN. BY:	Designer
REV. BY:	Checker

3 SHEET
S501

GENERAL NOTES:

- 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.
- 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.
- CONTRACTOR SHALL REVIEW THE PROJECT TECHNICAL SPECIFICATIONS DIVISION 1 FOR SPECIFIC REQUIREMENTS WITH RESPECT TO MEETINGS, SUBMITTALS, SCHEDULING, WORK RESTRICTIONS AND GENERAL CONTRACT REQUIREMENTS.
- 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).
- 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.
- 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.
- 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.
- LOCATION OF EQUIPMENT, FIXTURES, PIPING AND OTHER HVAC WORK, IS INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE CONTRACTOR(S) SHALL DETERMINE EXACT LOCATION AND DIMENSIONS ON THE JOBSITE, SUBJECT TO JOB CONDITIONS AND WORK BY OTHER CONTRACTORS.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORTS AS REQUIRED FOR EQUIPMENT PROVIDED.
- ALL WORK SHALL BE COORDINATED WITH OTHER CONTRACTOR'S WORK.
- 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.
- 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.
- 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.
- ALL DUCTWORK & PIPING DIMENSIONS SHOWN ON DRAWINGS ARE TO BE CLEAR INSIDE DIMENSIONS REQUIRED.
- INSTALL ALL DUCTWORK AND DUCT SUPPORTS ACCORDING TO ASME AND SMACNA DUCT CONSTRUCTION STANDARDS.
- 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.
- CONTRACTOR TO REPAIR, PAINT AND MATCH WITH EXISTING WALL, FLOOR, CEILING & ROOF AFTER MAKING PENETRATION AND INSTALLATION OF DUCTWORK, PIPING, EQUIPMENT. ALL ROOF REPAIRS SHOULD BE AS PER ROOF WARRANTIES. UTILIZE ROOF CONTRACTOR APPROVED BY ROOF SYSTEM MANUFACTURER.
- 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.
- INSTALL WALL MOUNTED THERMOSTATS FIVE (5) FEET ABOVE THE FINISHED FLOOR, OR REUSE EXISTING THERMOSTAT LOCATIONS.
- 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.
- 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.
- ALL DUCTS MATERIAL, FABRICATION AND INSTALLATION SHALL BE AS SPECIFIED, AS PER OBC AND AS PER SMACNA STANDARD.
- ALL CIRCULATING AIR SYSTEMS SHALL BE PROVIDED WITH FILTER SECTION (MINIMUM MERV11 FILTER).
- PROVIDE EQUIPMENT IDENTIFICATION SYSTEMS. IDENTIFICATION SHALL BE LARGE ENGRAVED IDENTIFICATION PLAQUES SCREWED OR RIVETED TO THE UNITS AS PER SPECIFICATIONS MEETING ANSI REQUIREMENTS.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DESIGN CHANGES AND RELATED COSTS IF DESIGN BASIS MANUFACTURER OR PRODUCT IS NOT USED.
- 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.
- 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.
- ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
- 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.
- 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.
- 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 GIRDERS 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.
- 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-CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING COMPLIANCE OF SHOP DRAWINGS WITH PLANS, PRIOR TO ORDERING MATERIALS OR BEGINNING WORK.
- 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.
- 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.
- IF ANY CONFLICT OR DISCREPANCY EXISTS BETWEEN THESE NOTES AND SPECIFICATIONS, THEN THE STRICTEST PROVISION SHALL GOVERN.
- DO NOT SCALE DRAWINGS; WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT NOTIFY A/E.
- 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.
- MECHANICAL TO PROVIDE ALL CONTROL WIRING. PROVIDE CONTROL DRAWINGS FOR SEQUENCE OF OPERATION.
- 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.

AB	ABOVE	HWET	HOT WATER EXPANSION TANK
AD	ACCESS DOOR	HWP	HEATING WATER PUMP
AFF	ABOVE FINISHED FLOOR	HHWR	HEATING WATER RETURN
ACC	ACCESS	HHWS	HEATING WATER SUPPLY
A/C	AIR CONDITIONING	IH	INTAKE HOOD
AHU	AIR HANDLING UNIT	IN	INCH
AL	ALUMINUM	INSUL	INSULATION
ALT	ALTERNATE	L	LENGTH
AMP	AMPERE	LAT	LEAVING AIR TEMPERATURE
APX	APPROXIMATELY	LSW	LOW SIDE WALL
ARCH	ARCHITECT	LWCO	LOW WATER CUT OFF
AS	AIR SEPARATOR	LWT	LEAVING WATER TEMPERATURE
B	BOILER	MAN	MANUAL
BAL	BALANCE	MUA	MAKE UP AIR
BOD	BOTTOM OF DUCT	MFR	MANUFACTURER(ER)
BD	BACKDRAFT DAMPER	MIN	MINIMUM
BEL	BELOW	MAX	MAXIMUM
BFG	BELOW FINISHED GRADE	MECH	MECHANICAL
BLDG	BUILDING	MISC	MISCELLANEOUS
B.O.E	BOTTOM OFF EQUIPMENT	MD	MOTORIZED DAMPER
CAP	CAPACITY	MSS	MANUFACTURERS STANADARIZATION
CFM	CUBIC FEET PER MINUTE	MTD	MOUNTED
CH	CHILLER	MTL	METAL
CI	CAST IRON	NEC	NATIONAL ELECTRIC CODE
CLG	CEILING	NOT IN CONTRACT	
CLR	CLEAR(ANCE)	NTS	NOT TO SCALE
CMPR	COMPRESSOR	NC	NORMALLY CLOSED
CO	CLEAN OUT	NO	NORMALLY OPEN
CONC	CONCRETE	OA	OUTSIDE AIR
COND	CONDENSATE	OBC	OHIO BUILDING CODE
CONN	CONNECT, CONNECTION	OMC	OHIO MECHANICAL CODE
CONT	CONTINUE, CONTINUATION	OC	ON CENTER(S)
CONTR	CONTRACTOR	OPNG	OPENING
COORD	COORDINATE	OD	OUTSIDE DIAMETER
COORD	COORDINATE	PC	PLUMBING CONTRACTOR
CR	CONDENSATE RETURN	PPWS	PUMPED POOL WATER SUPPLY
CRAU	COMPUTER ROOM AC UNIT	PPWR	PUMPED POOL WATER RETURN
CTRL	CONTROL	PNL	PANEL
CUH	CABINET UNIT HEATER	PR	PRESSURE
CUJ	CLEAN OUT UNIT	PROJ	PROJECTION
CW	COLD WATER	PROP	PROPELLER
CHWET	CHILLED WATER EXPANSION TANK	PRV	PRESSURE REDUCING VALVE
CHWP	CHILLED WATER PUMP	PVC	POLYVINYL CHLORIDE
CHWR	CHILLED WATER RETURN	PSF	POUNDS PER SQUARE FOOT
CHWS	CHILLED WATER SUPPLY	PSI	POUNDS PER SQUARE INCH
CWS	CONDENSER WATER SUPPLY	QTY	QUANTITY
CWR	CONDENSER WATER RETURN	RA	RETURN AIR
D	DRAIN	RAD	RADIUS
DB	DRY BULB	RADR	RADIATOR
DIFF	DIFFUSER	REG	REGISTER
DIA	DIAMETER	REF	REFERENCE
DIM(S)	DIMENSION(S)	REHC	REHEAT COIL
DISC	DISCONNECT	REQD	REQUIRED
DISCH	DISCHARGE	REV(S)	REVISION(S), REVISED
DN	DOWN	RF	ROOF
DPR, DMPR	DAMPER	RH	ROOF HOOD
DTL(S)	DETAIL(S)	RLA	RELIEF AIR
DWG(S)	DRAWING(S)	EC	ELECTRIC CONTRACTOR
EA	EXHAUST AIR	EUH	ELECTRIC UNIT HEATER
EAT	ENTERING AIR TEMPERATURE	EF	EXHAUST FAN
EBH	ELECTRIC BASE BOARD HEATER	EHAC	ELECTRIC HEATED AIR CURTAIN
EC	ELECTRIC CONTRACTOR	EHP	ELECTRIC HEATING PANEL
EHD	ELECTRIC HEATER	EL	ELEVATION
EF	EXHAUST FAN	ELEC	ELECTRIC
EHP	ELECTRIC HEATING PANEL	ELEV	ELEVATION
EL	ELEVATION	ENGR	ENGINEER
ELEC	ELECTRIC	EQPT	EQUIPMENT
ELEV	ELEVATION	EWT	ENTERING WATER TEMPERATURE
ENGR	ENGINEER	EW	ELECTRIC WATER HEATER
EQPT	EQUIPMENT	EXH	EXHAUST
EWT	ENTERING WATER TEMPERATURE	EXIST. (E)	EXISTING
EW	ELECTRIC WATER HEATER	EXFP	EXPLOSION PROOF
EXH	EXHAUST	EXPD	EXPOSED
EXIST. (E)	EXISTING	EXT	EXTERNAL
EXFP	EXPLOSION PROOF	FA	FACE AREA OR FIRE ALARM
EXPD	EXPOSED	FCU	FAN COIL UNIT
EXT	EXTERNAL	FD	FIRE DAMPER OR FLOOR DRAIN
FA	FACE AREA OR FIRE ALARM	FDN, FND	FOUNDATION
FCU	FAN COIL UNIT	FPC	FIRE PROTECTION CONTRACTOR
FD	FIRE DAMPER OR FLOOR DRAIN	FIN RAD	FINNED RADIATION
FDN, FND	FOUNDATION	FLEX	FLEXIBLE
FPC	FIRE PROTECTION CONTRACTOR	FLR	FLOOR
FIN RAD	FINNED RADIATION	FFM	FEET PER MINUTE
FLEX	FLEXIBLE	FT HD	FOOT HEAD
FLR	FLOOR	FURN	FURNISH
FFM	FEET PER MINUTE	FUT	FUTURE
FT HD	FOOT HEAD	G	GAS
FURN	FURNISH	GAL	GALLON(S)
FUT	FUTURE	GC	GENERAL CONTRACTOR
G	GAS	GV	GAS VALVE
GAL	GALLON(S)	GA	GAUGE
GC	GENERAL CONTRACTOR	GALV	GALVANIZED
GV	GAS VALVE	GD	GRADE
GA	GAUGE	GEN	GENERAL
GALV	GALVANIZED	GMU	GLYCOL MAKE UP UNIT
GD	GRADE	GPH	GALLONS PER HOUR
GEN	GENERAL	GPM	GALLONS PER MINUTE
GMU	GLYCOL MAKE UP UNIT	GR	GRILLE
GPH	GALLONS PER HOUR	GTC	GENERAL TRADES CONTRACTOR
GPM	GALLONS PER MINUTE	H	HUMIDIFIER
GR	GRILLE	HD	HEAD OR HEAVY DUTY
GTC	GENERAL TRADES CONTRACTOR	HTG	HEATING
H	HUMIDIFIER	HVAC	HEATING/VENTILATING/AIR CONDITIONING
HD	HEAD OR HEAVY DUTY	HC	HEATING CONTRACTOR
HTG	HEATING	HP	HEAT PUMP
HVAC	HEATING/VENTILATING/AIR CONDITIONING	HT	HEIGHT
HC	HEATING CONTRACTOR	HTR	HEATER
HP	HEAT PUMP	HORIZ	HORIZONTAL
HT	HEIGHT	HP	HORSEPOWER
HTR	HEATER	HSW	HIGH SIDE WALL
HORIZ	HORIZONTAL	HV	HEATING & VENTILATING
HP	HORSEPOWER	HW	HOT WATER
HSW	HIGH SIDE WALL		
HV	HEATING & VENTILATING		
HW	HOT WATER		

HVAC SYMBOLS

NOTE: ALL SYMBOLS SHOWN HERE MAY NOT APPLY.

(E)	EXISTING PIPE, DUCT OR EQUIPMENT
(R)	RELOCATED PIPE, DUCT OR EQUIPMENT
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
NG	NATURAL GAS LINE
SAN	SANITARY LINE
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
HG	HOT GAS LINE
LQ	LIQUID REFRIGERANT LINE
SC	SUCTION REFRIGERANT LINE
PPWS	PUMPED POOL WATER SUPPLY
PPWR	PUMPED POOL WATER RETURN
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
(Symbol)	DISCONNECT FROM EXISTING
(Symbol)	NEW WORK
(Symbol)	CAP OFF
(Symbol)	CONNECT TO EXISTING
(Symbol)	TEE, OUTLET DOWN
(Symbol)	ELBOW TURNED UP
(Symbol)	ELBOW TURNED DOWN
(Symbol)	TEE
(Symbol)	RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
(Symbol)	ROUND SUPPLY/OUTSIDE AIR DUCT RISE
(Symbol)	RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
(Symbol)	ROUND RETURN/TRANSFER AIR DUCT RISE
(Symbol)	RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
(Symbol)	ROUND EXHAUST/RELIEF AIR DUCT RISE
(Symbol)	BASE MOUNTED PUMP - PLAN VIEW
(Symbol)	INLINE PUMP
(Symbol)	AIR TERMINAL UNIT
(Symbol)	VALVE TAG
(Symbol)	REVISION NOTE
(Symbol)	EQUIPMENT TAG
(Symbol)	ROOM NUMBER
(Symbol)	DETAIL 2 ON SHEET X-Y
(Symbol)	PART PLAN 2 ON SHEET X-Y
(Symbol)	SECTION C ON SHEET X-YZ
(Symbol)	SUPPLY FLOW DIRECTION (AIR/WATER)
(Symbol)	RETURN AIR/TRANSFER AIR
(Symbol)	CODED NOTE NEW WORK
(Symbol)	CODED NOTE DEMOLITION
(Symbol)	MANUAL BALANCING DAMPER
(Symbol)	WEATHER PROOF
(Symbol)	WEIGHT
(Symbol)	WEST OR WIDTH
(Symbol)	BACKDRAFT DAMPER
(Symbol)	LINEAR DIFFUSER
(Symbol)	LINEAR DIFFUSER TAG
(Symbol)	SLOT WIDTH
(Symbol)	SLOT LENGTH
(Symbol)	NUMBER OF SLOTS
(Symbol)	CFM TYPE (SEE SCHEDULE)

HVAC SYMBOLS

NOTE: ALL SYMBOLS SHOWN HERE MAY NOT APPLY.

(Symbol)	RELIEF VALVE
(Symbol)	CIRCUIT SETTER
(Symbol)	BALL VALVE WITH MEMORY STOP
(Symbol)	BALL VALVE
(Symbol)	THREE WAY AUTO CONTROL VALVE
(Symbol)	TWO WAY AUTO CONTROL VALVE
(Symbol)	CHECK VALVE
(Symbol)	GLOBE VALVE
(Symbol)	COMBINATION, BALANCE, AND SHUT OFF VALVE
(Symbol)	BALANCING VALVE
(Symbol)	BUTTERFLY VALVE
(Symbol)	PRESSURE REDUCING VALVE
(Symbol)	THERMOMETER
(Symbol)	PRESSURE GAGE
(Symbol)	TRIPLE DUTY VALVE
(Symbol)	TEMPERATURE SENSOR
(Symbol)	REMOTE TEMPERATURE SENSOR
(Symbol)	FIRE DAMPER
(Symbol)	CONCENTRIC REDUCER/INCREASER
(Symbol)	UNION
(Symbol)	PLUG VALVE
(Symbol)	TEST PLUG
(Symbol)	FIRE RATED WALL (1 HOUR)
(Symbol)	FIRE RATED WALL (2 HOUR)
(Symbol)	TEE, SIDE OUTLET, OUTLET DOWN
(Symbol)	ADJUSTABLE THERMOSTAT
(Symbol)	TEMPERATURE SENSOR/ALARM STROBE
(Symbol)	HUMIDITY SENSOR
(Symbol)	CARBON DIOXIDE SENSOR
(Symbol)	NITROGEN DIOXIDE SENSOR
(Symbol)	OCCUPANCY SENSOR
(Symbol)	DUAL TECHNOLOGY OCCUPANCY SENSOR
(Symbol)	MOTORIZED DAMPER
(Symbol)	SMOKE DETECTOR
(Symbol)	DUCT SMOKE DETECTOR REMOTE TEST STATION
(Symbol)	SUPPLY AIR DUCT AT PENETRATION
(Symbol)	RETURN AIR DUCT AT PENETRATION
(Symbol)	RETURN AIR DUCT
(Symbol)	SUPPLY AIR DUCT PLAN
(Symbol)	EXHAUST/RELIEF DUCT PLAN
(Symbol)	OUTSIDE AIR DUCT PLAN
(Symbol)	LINEAR SUPPLY AIR DIFFUSER
(Symbol)	LINEAR RETURN AIR DIFFUSER
(Symbol)	LINEAR EXHAUST AIR DIFFUSER
(Symbol)	FLEX CONNECTION
(Symbol)	DAMPER TAG
(Symbol)	VOLUME DAMPER
(Symbol)	FLEXIBLE DUCT

*** 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.

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

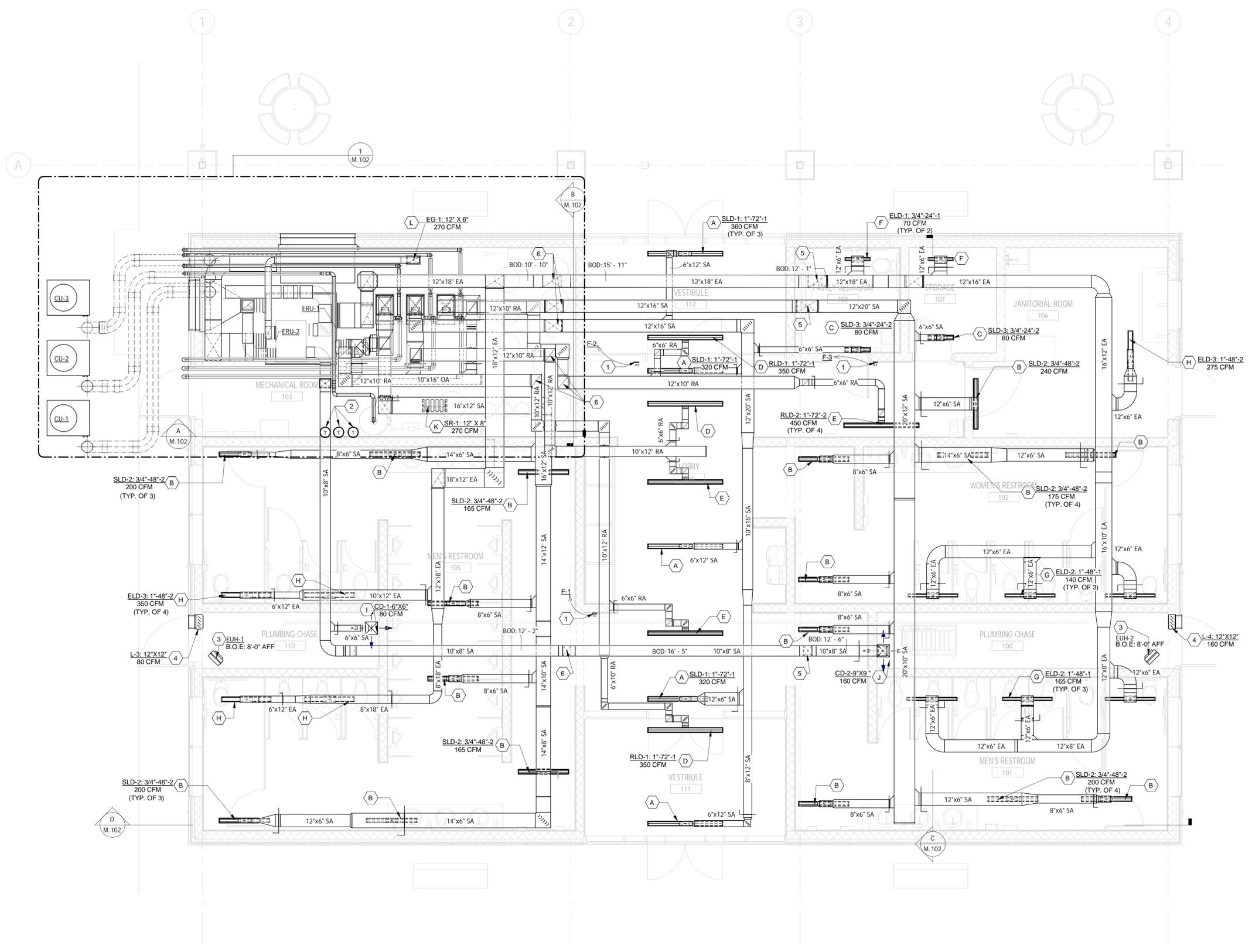
STATE OF OHIO
MUFFED LAHAM
PE-91377
REGISTERED PROFESSIONAL ENGINEER

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

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

SHEET

M.001



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).
 - 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 FOR DIFFUSERS TO RECTANGULAR DUCTS WITH TRANSITION.

- CODED NOTES**
- THERMOSTAT REMOTE TEMPERATURE SENSOR. THERMOSTAT SHALL BE LOCATED IN MECHANICAL ROOM #103. 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.
 - DUCT RISE FROM 8'-8" CEILING SPACE TO 14'-0" CEILING SPACE.
 - DUCT DROP FROM 14'-0" CEILING SPACE TO 8'-8" CEILING SPACE.

REV.	DATE	REMARKS
1	12/09/2025	A/HJ RESPONSE
2	02/04/2026	BID SET
3	02/25/2026	ADDENDUM 01



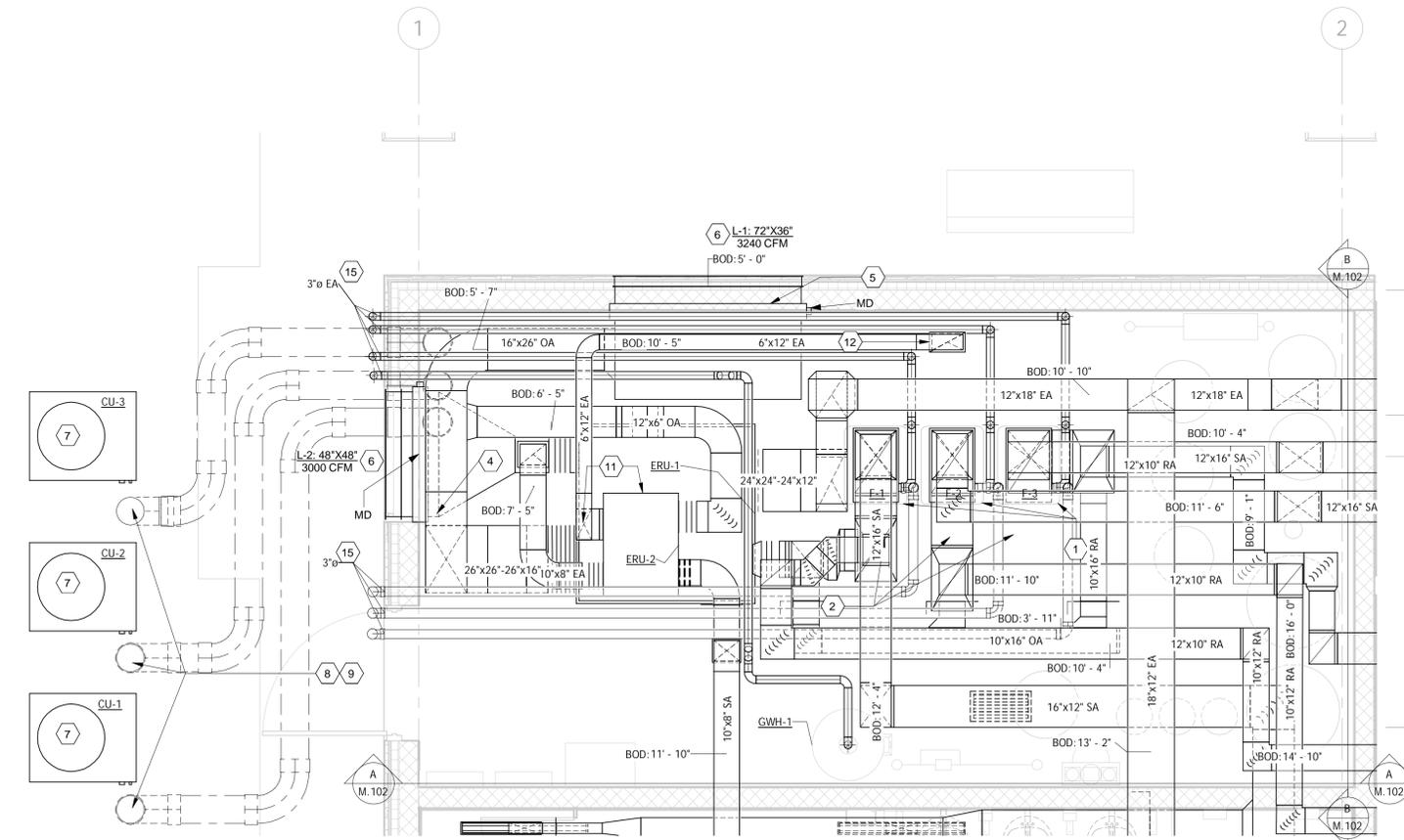
STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

1910 Crown Park Ct., Columbus, OH 43235
Tel: 614.538.8445 Fax: 614.538.8446
www.starconsultants.com

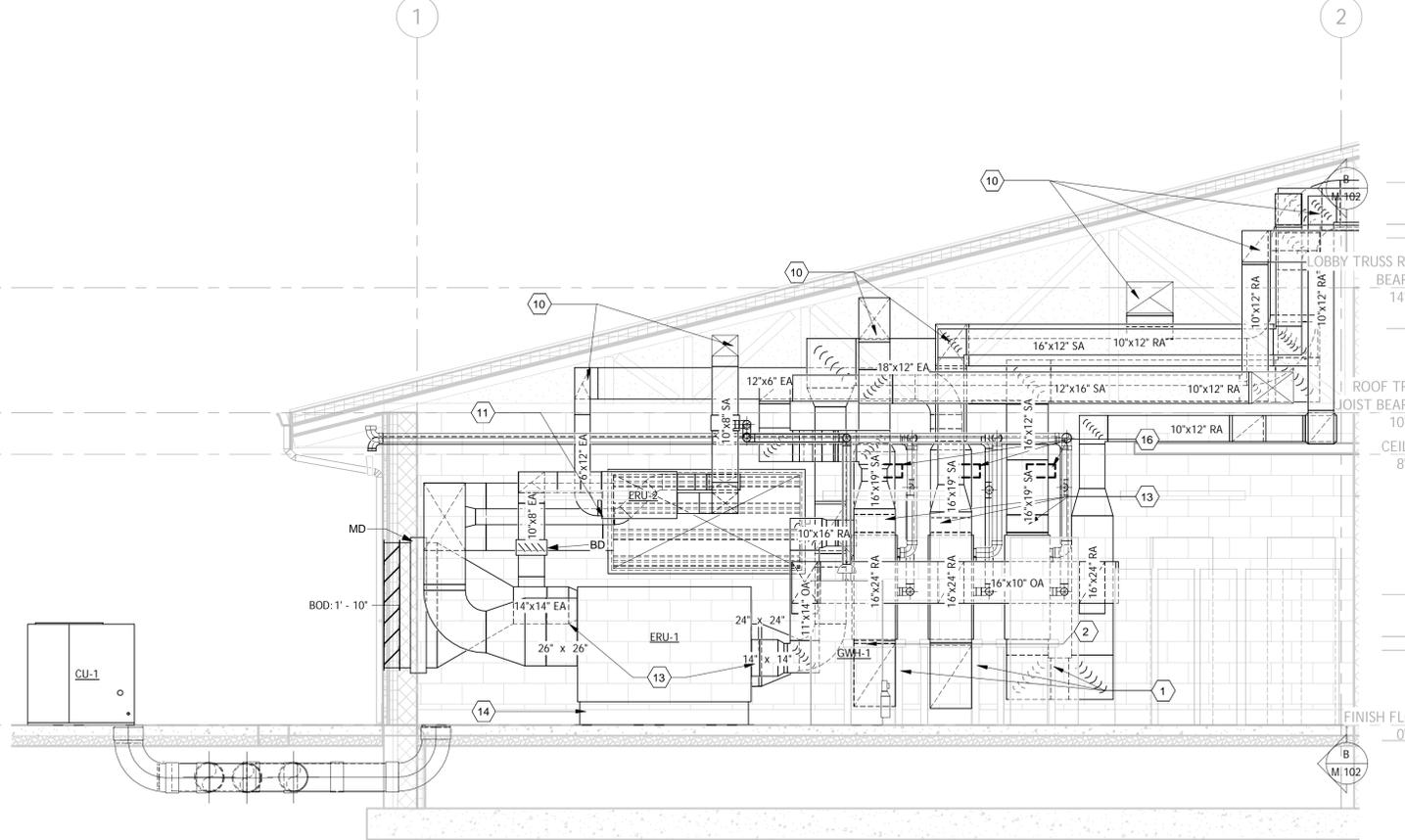
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
I-70 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347
FIRST FLOOR MECHANICAL PLAN

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

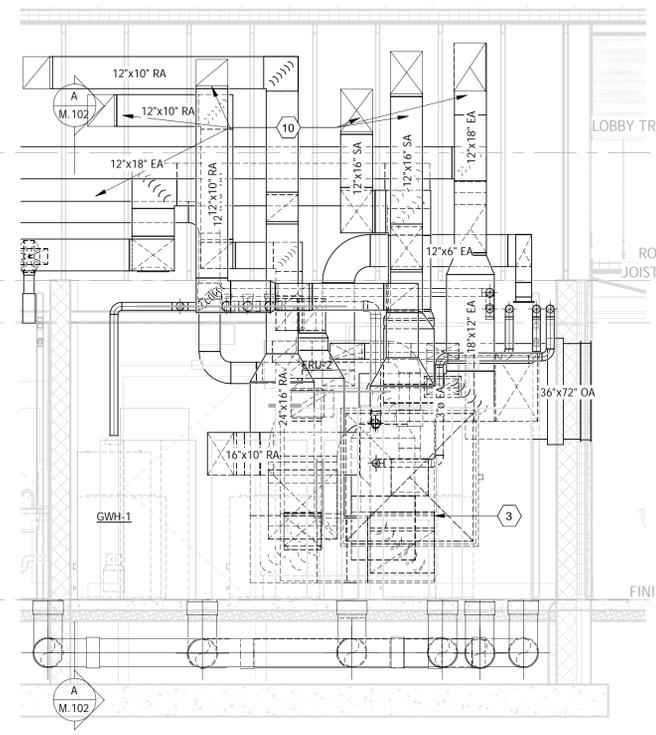
SHEET
M.101



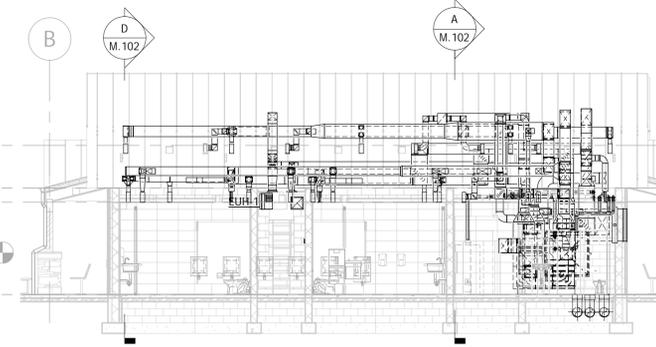
1 ENLARGED PLAN - MECHANICAL ROOM -106
3/8" = 1'-0"



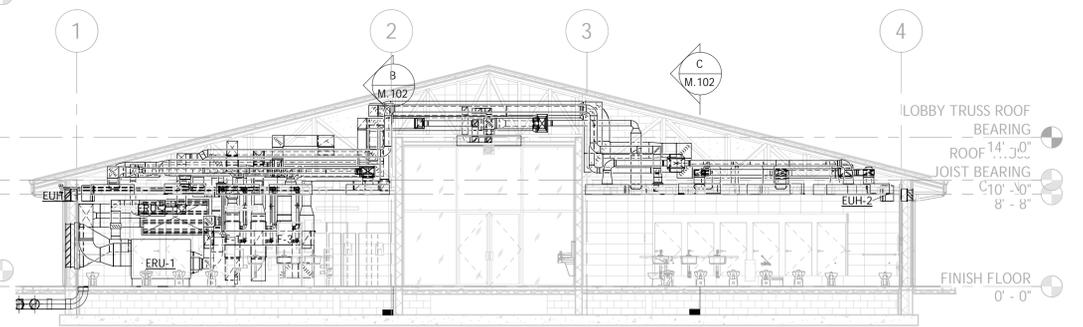
A Section A
3/8" = 1'-0"



B Section B
3/8" = 1'-0"



C OVERALL SIDE SECTION VIEW
1/8" = 1'-0"



D OVERALL FRONT SECTION VIEW
1/8" = 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 SUPPLY AIR DUCT TO RETURN AIR DUCTS SHALL BE BASED ON FIELD COORDINATION AND EACH BRANCH TO RETURN WILL HAVE BALANCE DAMPER SET TO PROVIDE REQUIRED CFM.

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 FOR BOTH AIR INTAKE AND EXHAUST VENT PIPE.
- 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	12/09/2025	AHJ RESPONSE
2	02/04/2026	BID SET
3	02/25/2026	ADDENDUM 01



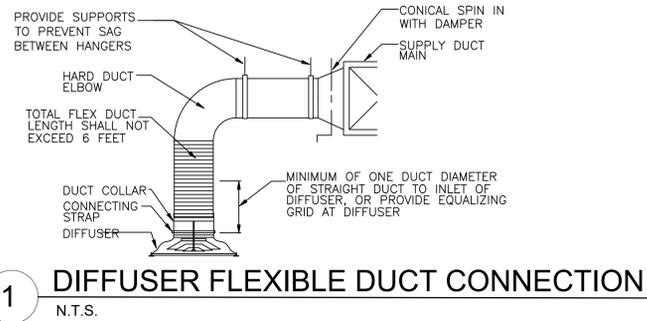
STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

1910 Crown Hill Ct., Columbus, OH 43235
Tel: 614.538.8445 Fax: 614.538.8446
www.starinc.com

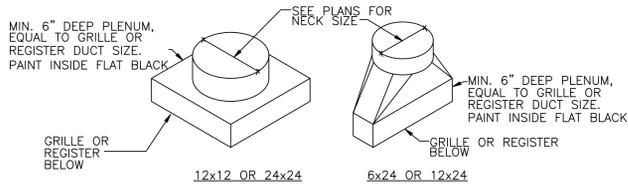
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
I-70 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347
MECHANICAL SECTION PLANS

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

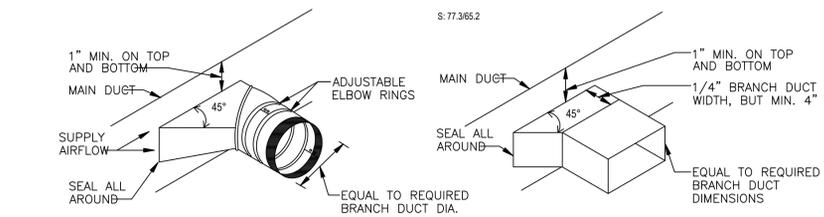
3 SHEET
M.102



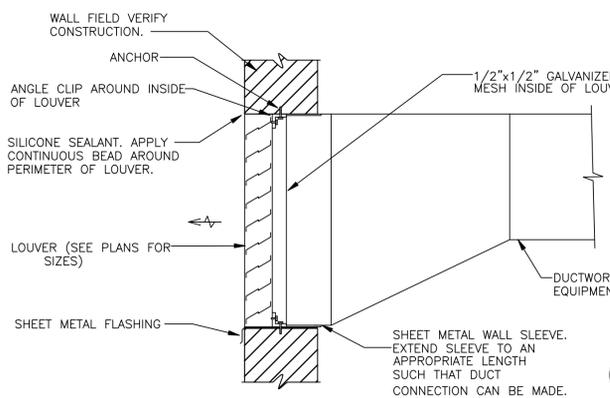
1 DIFFUSER FLEXIBLE DUCT CONNECTION
N.T.S.



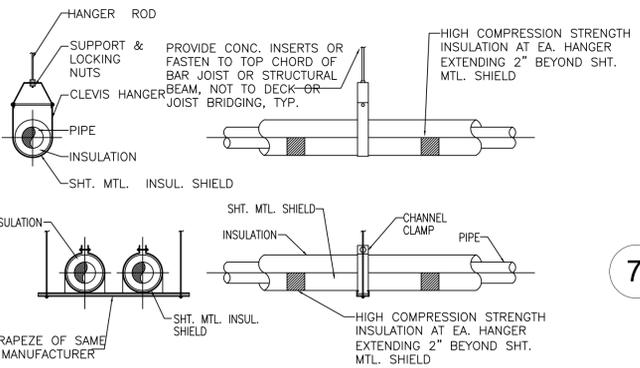
2 GRILLE & REGISTER BOOT DETAIL
N.T.S.



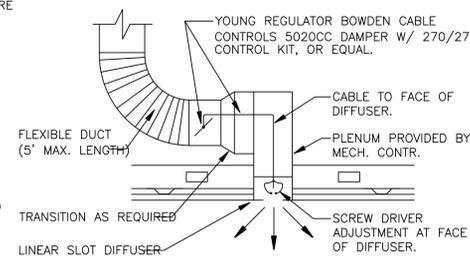
3 TYPICAL BRANCH TAKEOFF FITTING DETAIL
N.T.S.



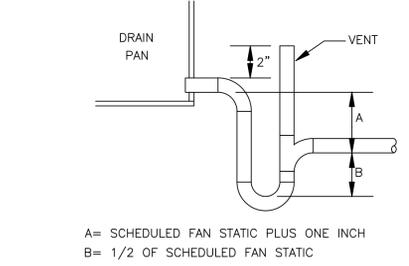
4 LOUVER ASSEMBLY DETAIL
N.T.S.



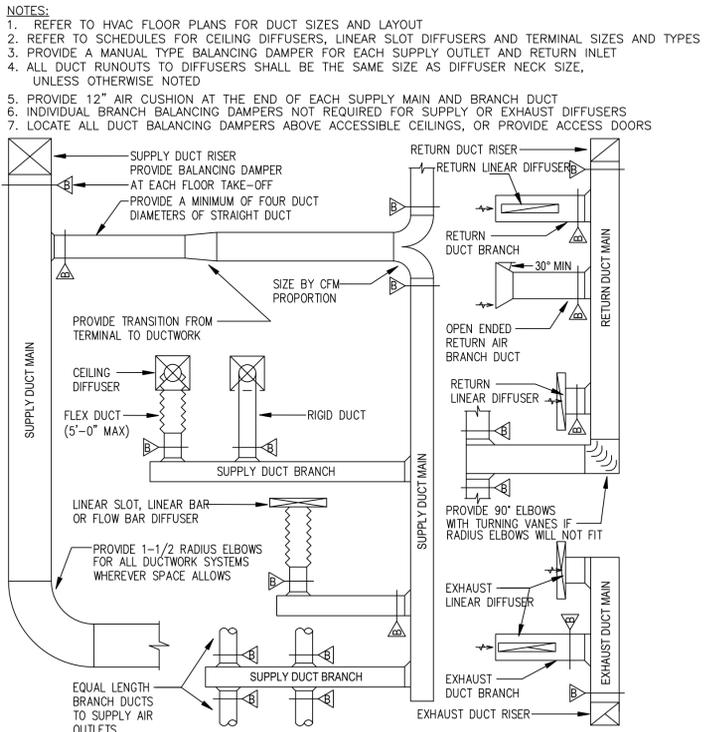
5 TYPICAL REFRIGERANT PIPE HANGING DETAIL
N.T.S.



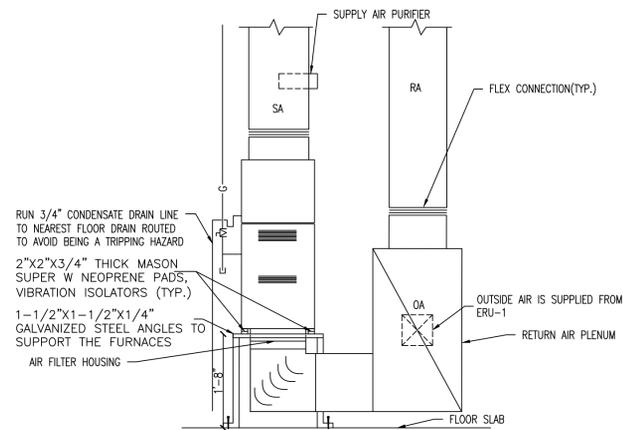
6 LINEAR DIFFUSER DETAIL
N.T.S.



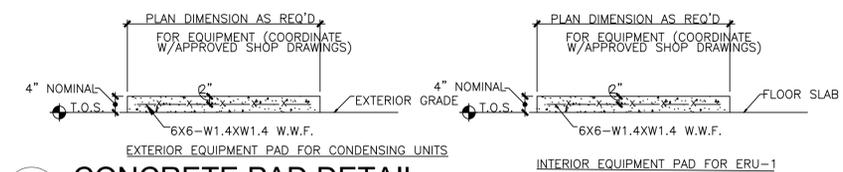
7 COIL CONDENSATE DRAIN DETAIL
N.T.S.



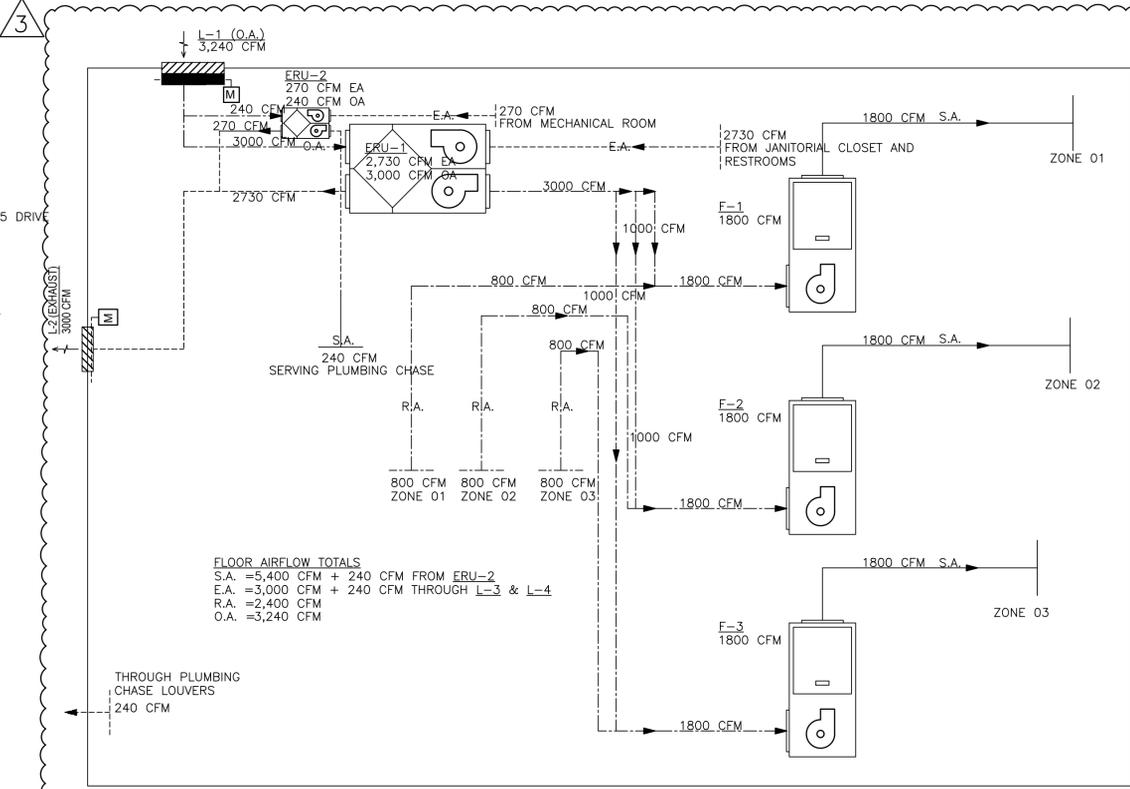
8 DUCTWORK INSTALLATION DIAGRAM (TYPICAL)
N.T.S.



9 FURNACE DETAIL (TYPICAL)
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 (F-1, 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.
EACH SPACE SENSOR SHALL SEND ITS SIGNAL TO ITS PROGRAMMABLE THERMOSTAT. THE PROGRAMMABLE THERMOSTAT SHALL ENABLE THE FURNACES TO RUN INDIVIDUALLY. SUPPLY FAN OF ALL FURNACES SHALL START AND RUN CONTINUOUSLY. EACH PROGRAMMABLE THERMOSTAT SHALL CONTROL DIRECT EXPANSION COIL OF ITS FURNACE TO MAINTAIN SPACE TEMPERATURE OF 75 DEGREES F (ADJUSTABLE) IN SUMMER. EACH PROGRAMMABLE THERMOSTAT SHALL CONTROL HEATING COIL OF ITS FURNACE 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.

NOTES:

- REFER TO HVAC FLOOR PLANS FOR DUCT SIZES AND LAYOUT
- REFER TO SCHEDULES FOR CEILING DIFFUSERS, LINEAR SLOT DIFFUSERS AND TERMINAL SIZES AND TYPES
- PROVIDE A MANUAL TYPE BALANCING DAMPER FOR EACH SUPPLY MAIN AND RETURN INLET
- ALL DUCT RUNOUTS TO DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED
- PROVIDE 12" AIR CUSHION AT THE END OF EACH SUPPLY MAIN AND BRANCH DUCT
- INDIVIDUAL BRANCH BALANCING DAMPERS NOT REQUIRED FOR SUPPLY OR EXHAUST DIFFUSERS
- LOCATE ALL DUCT BALANCING DAMPERS ABOVE ACCESSIBLE CEILINGS, OR PROVIDE ACCESS DOORS

REV#	DATE	REMARKS
1	12/09/2023	ADD RESPONSE
2	02/04/2026	BID SET
3	02/25/2026	ADDendum 01



OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347
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	1-5
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	1-5
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	1-5

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.

3

AIR DEVICE SCHEDULE													
EXAMPLE: CD-10 300 CFM OR SLD-2 3/4" 48" 2 240 CFM													
AIR DEVICE TYPE - CD/SLD/RLD/ELD/EG/SR													
NECK SIZE - 10 (Ø)													
CFM - 300 CFM													
TYPE	UNIT TAG	MANUFACTURER	MODEL	DESCRIPTION	FACE SIZE/LINEAR LENGTH	MOUNTING TYPE	FINISH	CONSTRUCTION	ACCESSORIES	SPECIFICATIONS	REMARKS		
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, 2-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		
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 OPPOSED BLADE DAMPER	9X9 NECK SIZE WITH RECTANGULAR NECK	SEE DWGS FOR LOCATION		
K	SR-1	TITUS	112 RS	SUPPLY REGISTER	12" x 8"	DUCT MOUNT	SEE NOTE	STEEL	DUCT MOUNTED WITH OPPOSED BLADE DAMPER	12" X 8" NECK SIZE	SEE DWGS FOR LOCATION		
L	EG-1	TITUS	350-RL	EXHAUST GRILLE	12" x 6"	DUCT MOUNT	SEE NOTE	STEEL	NECK MOUNTED OPPOSED BLADE DAMPER	12" X 6" NECK SIZE	SEE DWGS FOR LOCATION		

NOTES:

- PAINT TO MATCH ARCHITECT'S FINISH REQUIREMENTS.

REV#	DATE	REVISIONS
1	12/09/2025	ADD RESPONSE
2	02/04/2026	BID SET
3	02/25/2026	ADDENDUM 01



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

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

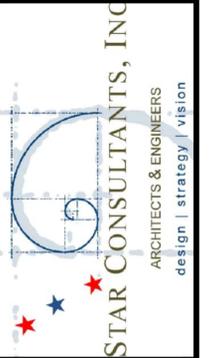
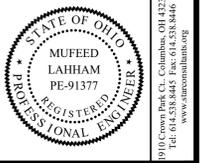
SHEET
M.601

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
 170 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347
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 131 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.

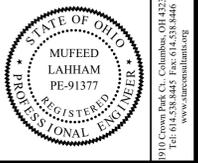
AB	ABOVE	HVAC	HEATING/ VENTILATION/ AIR CONDITIONING
AD	AREA DRAIN	HW	HOT WATER
AF	ANTIFREEZE	HWH	HOT WATER HEATER
AFF	ABOVE FINISHED FLOOR	HWR	HOT WATER RETURN
AFG	ABOVE FINISHED GRADE	HZ	HERTZ
AIR-D	AIR DROP	IN	INCH(ES)
ALT	ALTERNATE	INV	INVERT
AP	ACCESS PANEL	JR	JANITOR
APX	APPROXIMATE	L	LONG OR LENGTH
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	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
	MANUAL AIR VENT

	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

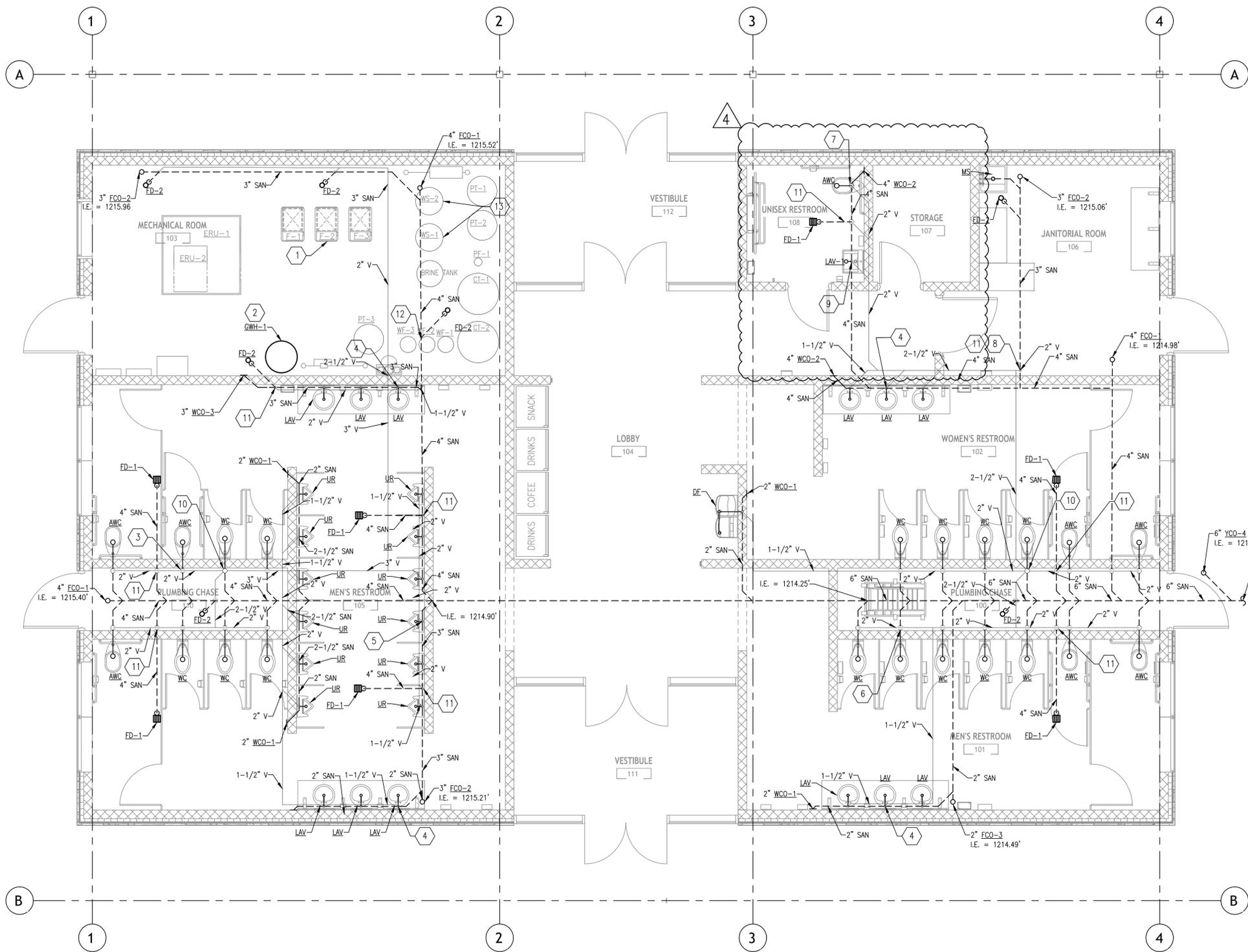
REVISIONS		REMARKS
REV#	DATE	ADD RESPONSE
1	12/09/2025	BID SET
2	02/04/2026	



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

- COORDINATE WITH ARCHITECTURAL SCOPE.
- UNDERSLAB SANITARY SHALL BE SCHEDULE 40 PVC. SANITARY PIPING ABOVE GROUND SHALL BE SCHEDULE 40 PVC.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP SEALS TO MAINTAIN SEALS AND MINIMIZE RELEASE OF SEWER GAS.
- 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:

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

REV#	DATE	REMARKS
1	12/09/2025	AHJ RESPONSE
2	02/04/2026	BID SET
4	03/03/2026	ADDENDUM 02



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

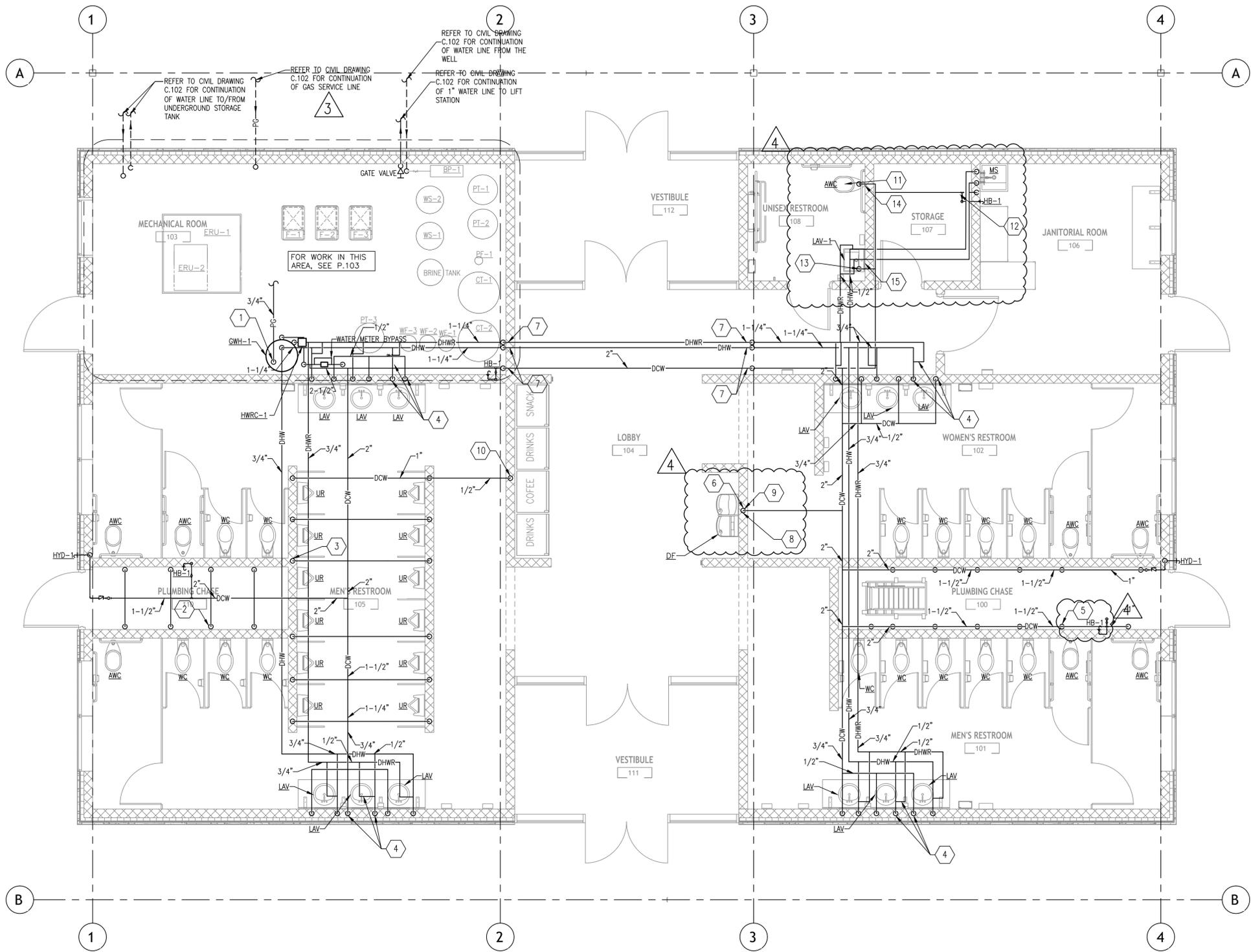
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347
SANITARY AND VENT FLOOR PLAN

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 12" X 18" ACCESS PANEL ON WALL BEHIND EACH URINAL IN MEN'S RESTROOM.
 - ALL FLUSHMETER VALVES SERVING WATER CLOSETS IN WOMEN'S & MEN'S RESTROOM SHALL BE INSTALLED IN PLUMBING CHASE, BEHIND THE FIXTURES TO HAVE ACCESS FROM PLUMBING CHASE.
 - 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 EWF3000 UNIVERSAL FILTRATION KIT ON WATER SUPPLY TO EWC-1. INSTALL IN AN ACCESSIBLE LOCATION AS PER MANUFACTURER'S INSTRUCTION.
 - NOT USED.
 - 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 #MIB1AB 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 LAV-1 IN UNISEX RESTROOM ON WALL BELOW LAV-1.

REV#	DATE	REMARKS
1	12/09/2025	ADD RESPONSE
2	02/04/2026	BID SET
3	02/25/2026	ADDENDUM 01
4	05/05/2026	ADDENDUM 02



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

1041 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
 170 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347

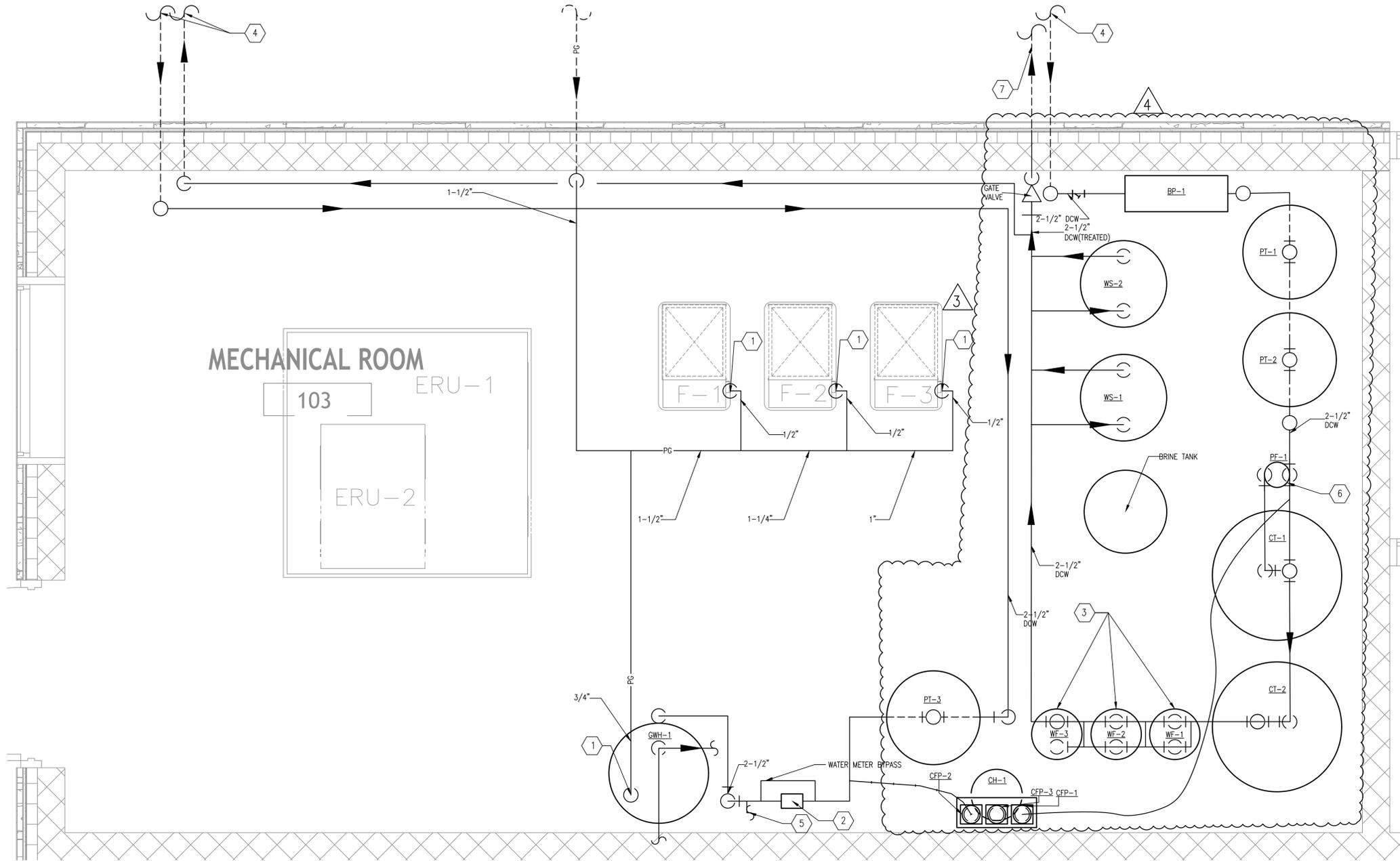
UTILITIES PLUMBING PLAN

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"





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

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

- PLUMBING CODED NOTES:**
- PROVIDE PIPE SIZE TO MATCH CONNECTION SIZE OF ALL PROPANE GAS EQUIPMENTS BASED ON MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR SHALL PROVIDE WATER METER, WM-1 AT THIS LOCATION.
 - CONTRACTOR SHALL PROVIDE BELL & GOSSETT #SA 1 CONTROL VALVE ON INLET SIDE OF FILTER.
 - 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.
 - 2-1/2" DCW SUPPLY FROM MECHANICAL ROOM, SEE SHEET P.102.
 - PROVIDE ALL NECESSARY PIPING, VALVES AND CARTRIDGES AND MOUNT PRE-FILTER WELDED SUPPORT LEGS
 - 1" DCW SUPPLY FROM BUILDING TO LIFT STATION. SEE CIVIL DRAWINGS FOR PIPE CONTINUATION TO LIFT STATION VAULT.

REV#	DATE	REMARKS
1	12/09/2025	AH/RESPONSE
2	02/04/2026	BID SET
3	02/25/2026	ADDENDUM 01
4	03/02/2026	ADDENDUM 02



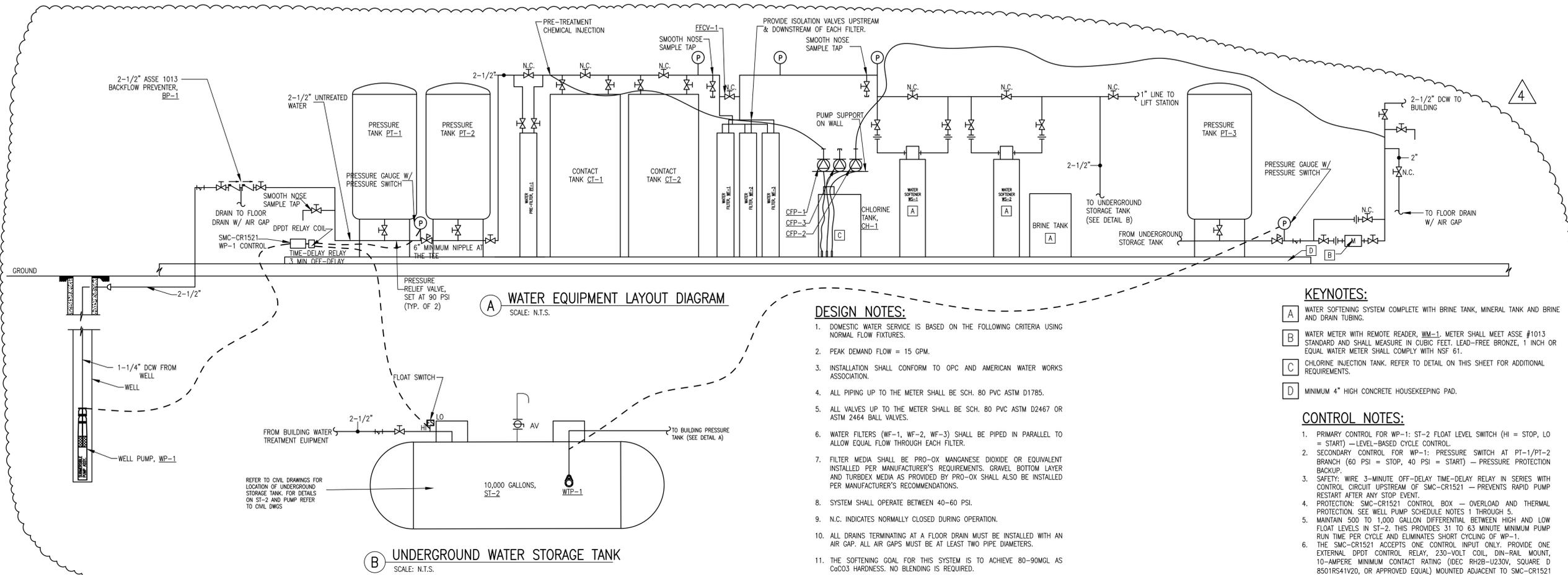
STAR CONSULTANTS, INC.
ARCHITECTS & ENGINEERS
design | strategy | vision

9040 Crown Peak Ct., Columbus, OH 43235
Tel: 614.538.8445 Fax: 614.538.8446
www.starconsultants.org

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

ENLARGED MECHANICAL ROOM PLUMBING PLAN

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



DESIGN NOTES:

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

KEYNOTES:

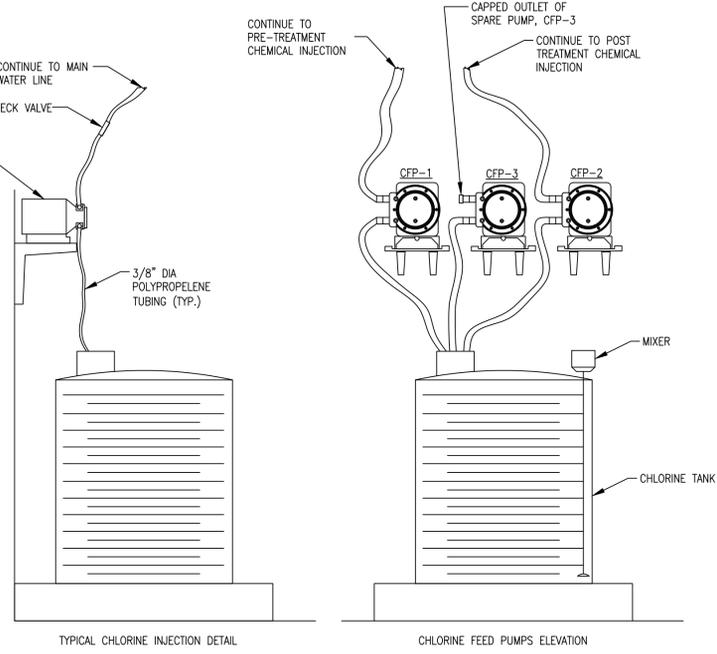
- A** WATER SOFTENING SYSTEM COMPLETE WITH BRINE TANK, MINERAL TANK AND BRINE AND DRAIN TUBING.
- B** WATER METER WITH REMOTE READER, WM-1, METER SHALL MEET ASSE #1013 STANDARD AND SHALL MEASURE IN CUBIC FEET. LEAD-FREE BRONZE, 1 INCH OR EQUAL WATER METER SHALL COMPLY WITH NSF 61.
- C** CHLORINE INJECTION TANK. REFER TO DETAIL ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.
- D** MINIMUM 4" HIGH CONCRETE HOUSEKEEPING PAD.

CONTROL NOTES:

- PRIMARY CONTROL FOR WP-1: ST-2 FLOAT LEVEL SWITCH (HI = STOP, LO = START) - LEVEL-BASED CYCLE CONTROL.
- SECONDARY CONTROL FOR WP-1: PRESSURE SWITCH AT PT-1/PT-2 BRANCH (60 PSI = STOP, 40 PSI = START) - PRESSURE PROTECTION BACKUP.
- SAFETY: WIRE 3-MINUTE OFF-DELAY TIME-DELAY RELAY IN SERIES WITH CONTROL CIRCUIT UPSTREAM OF SMC-CR1521 - PREVENTS RAPID PUMP RESTART AFTER ANY STOP EVENT.
- PROTECTION: SMC-CR1521 CONTROL BOX - OVERLOAD AND THERMAL PROTECTION. SEE WELL PUMP SCHEDULE NOTES 1 THROUGH 5.
- MAINTAIN 500 TO 1,000 GALLON DIFFERENTIAL BETWEEN HIGH AND LOW FLOAT LEVELS IN ST-2. THIS PROVIDES 31 TO 63 MINUTE MINIMUM PUMP RUN TIME PER CYCLE AND ELIMINATES SHORT CYCLING OF WP-1.
- THE SMC-CR1521 ACCEPTS ONE CONTROL INPUT ONLY. PROVIDE ONE EXTERNAL DPDT CONTROL RELAY, 230-VOLT COIL DIN-RAIL MOUNT, 10-AMPERE MINIMUM CONTACT RATING (DEC RH2B-U230V, SQUARE D 8501RS41V20, OR APPROVED EQUAL) MOUNTED ADJACENT TO SMC-CR1521 TO ENABLE DUAL-SIGNAL OPERATION.
- WIRE ST-2 LOW-LEVEL FLOAT SWITCH NORMALLY OPEN CONTACT TO ENERGIZE THE DPDT RELAY COIL. WIRE DPDT RELAY OUTPUT CONTACT IN PARALLEL WITH THE PRESSURE SWITCH INTO SMC-CR1521 CONTROL INPUT TERMINALS. EITHER SIGNAL INDEPENDENTLY STARTS THE PUMP. PUMP STOPS ONLY WHEN BOTH SIGNALS SIMULTANEOUSLY COMMAND STOP.
- CONTROL CIRCUIT LOGIC: (A) ST-2 LOW AND PRESSURE BELOW 40 PSI - PUMP RUNS. (B) ST-2 LOW AND PRESSURE BETWEEN 40 AND 60 PSI - PUMP RUNS. (C) ST-2 HIGH AND PRESSURE BELOW 40 PSI - PUMP RUNS. (D) ST-2 HIGH AND PRESSURE ABOVE 60 PSI - PUMP STOPS.
- ALL CONTROL WIRING SHALL BE MINIMUM 14 AWG, 300-VOLT RATED, COLOR-CODED PER NFPA 70. PROVIDE WEATHERPROOF CONDUIT WITH CONDUIT SEAL AT ALL ST-2 TANK PENETRATIONS.
- INSTALL PRESSURE SWITCH ON MINIMUM 6-INCH NIPPLE AT DEAD-END BRANCH TEE AT PT-1 AND PT-2. DO NOT INSTALL ON MAIN FLOWING PROCESS LINE. PRE-CHARGE PT-1 AND PT-2 BLADDER TANKS TO 38 PSI BEFORE ENERGIZING WP-1.
- PROGRAM CLOCK TIMERS WITH MINIMUM 4-HOUR OFFSET BETWEEN FILTER AND SOFTENER BACKWASH CYCLES. CONCURRENT FILTER BACKWASH AND SOFTENER REGENERATION IS PROHIBITED. CONCURRENT FILTER AND SOFTENER BACKWASH REQUIRES 33 GPM, EXCEEDS PUMP CAPACITY BY 3 GPM - PROHIBITED.
- WATER FILTERS WF-1, WF-2, AND WF-3 SHALL BACKWASH ONE AT A TIME ONLY. A MINIMUM OF ONE FILTER SHALL REMAIN IN SERVICE AT ALL TIMES. DO NOT INITIATE BACKWASH ON ANY FILTER UNTIL THE PREVIOUS FILTER HAS COMPLETED ITS BACKWASH CYCLE AND RETURNED TO SERVICE. PROGRAM BACKWASH TIMERS WITH MINIMUM 2-HOUR OFFSET BETWEEN INDIVIDUAL FILTER CYCLES.
- PROVIDE HARDWIRED INTERLOCK TO PHYSICALLY PREVENT CONCURRENT FILTER BACKWASH AND SOFTENER REGENERATION. INTERLOCK SHALL OPERATE INDEPENDENTLY OF CONTROLLER SOFTWARE AND SHALL REMAIN OPERATIVE UPON CONTROLLER FAILURE.
- ALLOWABLE BACKWASH: SINGLE FILTER BACKWASH WITH PEAK DEMAND REQUIRES 25 GPM - PERMITTED. SINGLE SOFTENER REGENERATION WITH PEAK DEMAND REQUIRES 23 GPM - PERMITTED. SOFTENING GOAL: 80 TO 90 MGL AS CaCO3 HARDNESS. WS-1 AND WS-2 SHALL OPERATE IN ALTERNATING MODE - ONE UNIT IN SERVICE WHILE THE OTHER REGENERATES. NO HARDNESS BLENDING IS REQUIRED.
- PROVIDE PRESSURE TANK PT-3 (AMTROL WX-302 OR APPROVED EQUAL) ON THE SUPPLY LINE FROM ST-2 TO THE BUILDING FACILITY. PT-3 SERVES WTP-1 ONLY AND IS INDEPENDENT OF PT-1 AND PT-2. INSTALL WTP-1 PRESSURE SWITCH ON A MINIMUM 6-INCH NIPPLE AT DEAD-END BRANCH TEE AT PT-3 - DO NOT INSTALL ON THE MAIN FLOWING LINE. SET PRESSURE SWITCH AT 40 PSI CUT-IN AND 60 PSI CUT-OUT. PRE-CHARGE PT-3 BLADDER TO 38 PSI BEFORE ENERGIZING WTP-1. ST-2 IS NON-PRESSURIZED - MAINTAIN MANUAL AIR VENT OPEN AND UNOBSTRUCTED AT ALL TIMES.
- CONTRACTOR SHALL HIRE A WATER TREATMENT SPECIALIST TO CONDUCT FULL WELL WATER TEST BEFORE COMMISSIONING. TEST SHALL INCLUDE HARDNESS, IRON, MANGANESE, PH, TOTAL DISSOLVED SOLIDS AND DRAWDOWN TEST. SUBMIT RESULTS TO ENGINEER OF RECORD. USE CONFIRMED HARDNESS VALUE TO SET WS-1 AND WS-2 REGENERATION FREQUENCY. DO NOT PROGRAM REGENERATION TIMERS BASED ON ESTIMATED VALUES.
- FILTER BYPASS VALVE FFCV-1 SHALL REMAIN NORMALLY CLOSED DURING ALL NORMAL OPERATION. PROVIDE LOCKABLE HASP AND PADLOCK. LABEL VALVE: FILTER BYPASS - NORMALLY CLOSED - OPEN FOR MAINTENANCE ONLY. USE INDIVIDUAL FILTER ISOLATION VALVES FOR SINGLE-FILTER BACKWASH ISOLATION DURING NORMAL OPERATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SYSTEM DESIGN IN ACCORDANCE WITH ALL APPLICABLE EPA REGULATIONS FOR AN APPROVED WATER TREATMENT PLANT FACILITY. ALL REQUIRED PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION SHALL BE OBTAINED PRIOR TO COMMENCING WORK AND SUBMITTED TO THE ENGINEER OF RECORD.

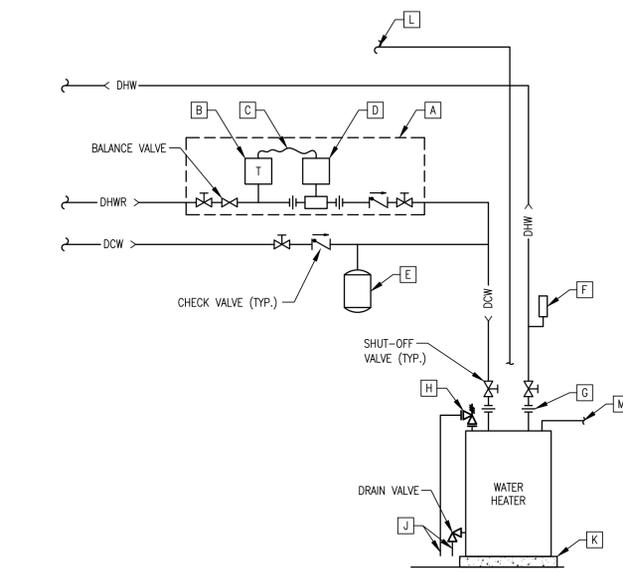
KEYNOTES:

- 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.



DESIGN NOTES:

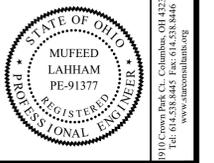
- CHLORINE FEED PUMPS SHALL BE SECURELY WALL-MOUNTED USING MANUFACTURER-SUPPLIED BRACKET AND SHALL BE SET 5' TO 6' AFF. IN A CLEAR, UNOBSTRUCTED LOCATION.
- WELL PUMP AND CHLORINE FEED PUMP OPERATION: THE PROPOSED CHLORINE FEED PUMP SHALL BE ELECTRICALLY CONNECTED TO THE WELL PUMP STARTER TO ENABLE THE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



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

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

REV#	DATE	REMARKS
1	12/09/2025	AHJ RESPONSE
2	02/04/2026	BID SET
4	03/03/2026	ADDENDUM 02



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

1010 Crown Peak 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
170 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347

PLUMBING DETAILS

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

WATER TREATMENT EQUIPMENT SCHEDULE										
TAG	LOCATION	ITEM	MANUFACTURER	MODEL NUMBER	CAPACITY (GAL.)	DIMENSIONS	CONNECTION SIZE	WEIGHT (LBS.)	REMARKS	NOTES
PF-1	MECHANICAL ROOM	PRE-FILTER	QUANTROL	QF5X4-316SS	-	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, 200F 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, 200F MAXIMUM OPERATING TEMPERATURE, STANDING TANK.	N/A
PT-3	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, 200F 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, 0F MINIMUM SOLUTION/AMBIENT TEMPERATURE AND 110F 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, 120F 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, 120F 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, 120F 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, 120F MAXIMUM OPERATING TEMPERATURE, TIME CLOCK DELAY REGENERATION/BACKWASH.	1 - 4
WF-3	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, 120F 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, 100F 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, 100F 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 "MIM", 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.

4

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. 200F 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
HWR-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.

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	1-2
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	1-2
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	1-2
WTP-1	UNDERGROUND STORAGE TANK	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	1-2

NOTES:
 1. NEMA 5-15P POWER CORD.
 2. PROVIDE PUMP CONTROLLER.

4

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. #N1330R PUMP END.
 4. #P43B0015M4 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 SEALS, 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	EZSTLWSLK	115 V / 60 HZ	STAINLESS STEEL ENCLOSURE W/ FRONT PUSH BUTTON CONTROL, R-134a REFRIGERANT, FILTERED 8.0 GPH OF 50F WATER AT 80F INLET WATER TEMPERATURE AND 90F 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 @ 100F 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.

REV#	DATE	REVISIONS
1	12/09/2023	ADD RESPONSE
2	02/04/2026	BID SET
4	03/03/2026	ADDENDUM 02



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

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

REV#	DATE	REMARKS
1	12/09/2025	AH/RESPONSE
2	02/04/2026	BID SET
4	03/02/2026	ADDENDUM 02



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

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

SHEET
P.602

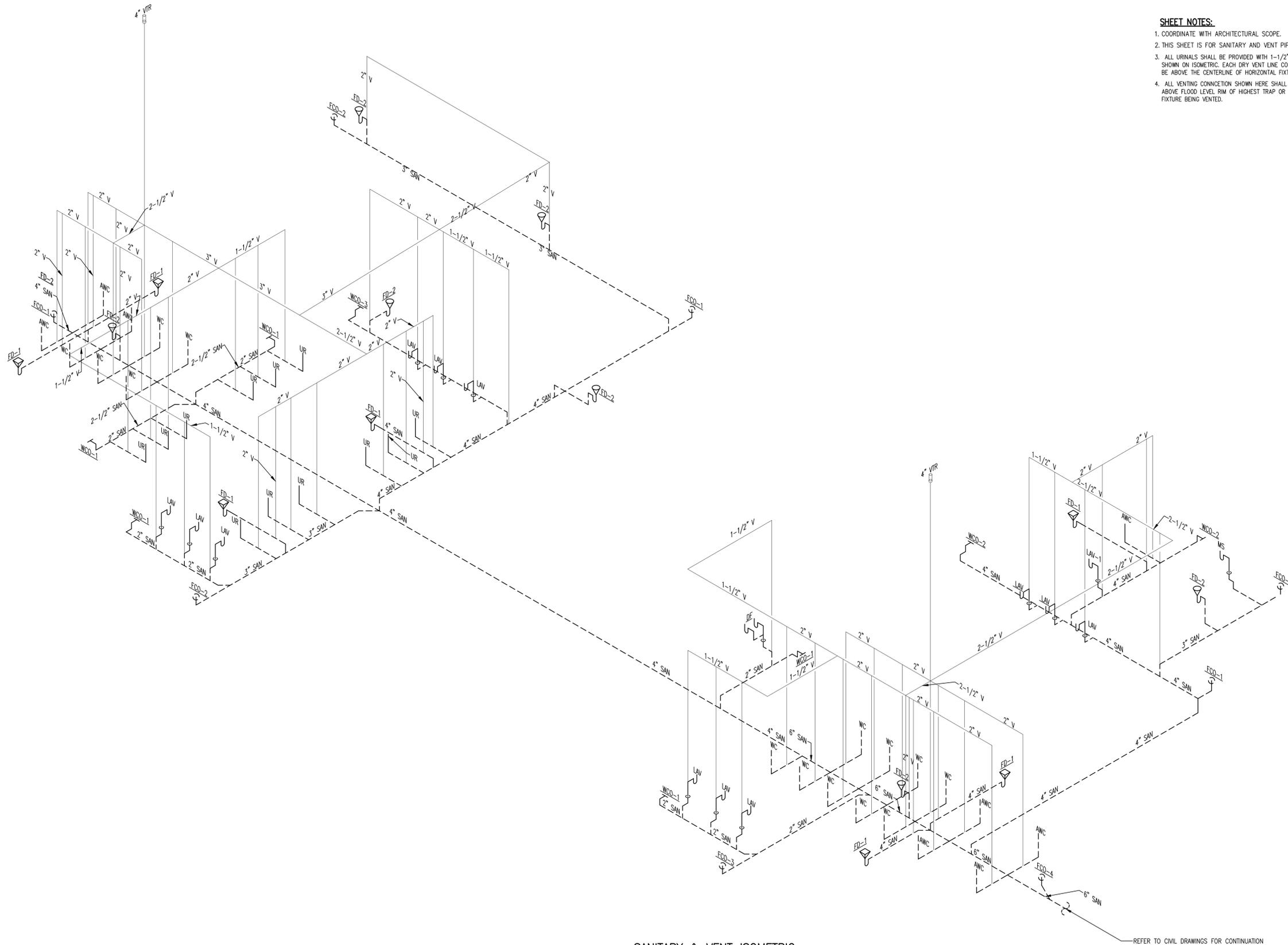
PLUMBING FIXTURE SCHEDULE

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 "T" HANDLE KEY AND CYLINDER LOCK KEY.
LAV	LAVATORY - COUNTERTOP	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"	COUNTERTOP 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

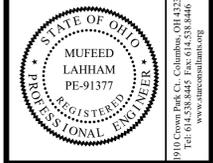
LABEL	DISCRIPTION	MANUFACTURER	MODEL NO.	MATERIAL DESCRIPTION	SIZE	CONNECTION SIZE	FIXTURE UNIT CAPACITY	REMARKS
SA-1	SHOCKTROL WATER HAMMER ARRESTOR	ZURN	Z1700	STAINLESS STEEL	100	3/4"	1-11 WSFU	-

4



- 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



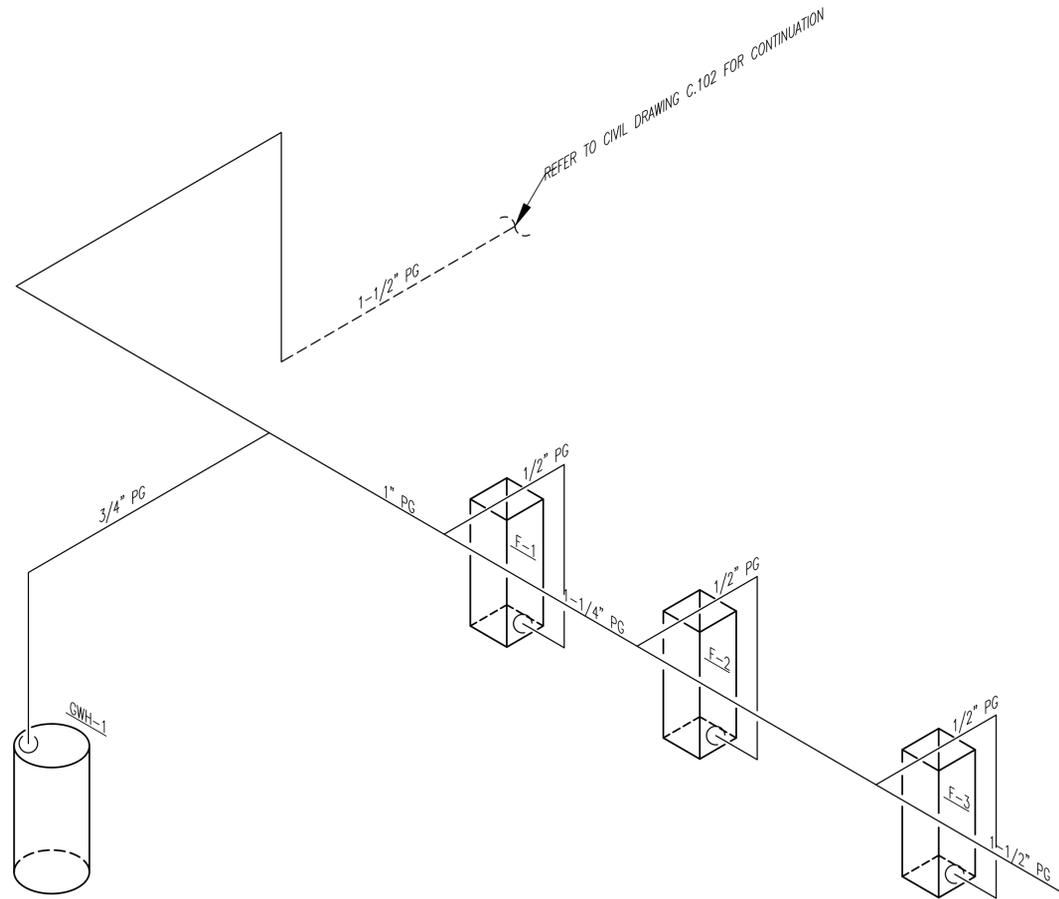
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347
PLUMBING SANITARY & VENT ISOMETRIC

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

SHEET
P. 701

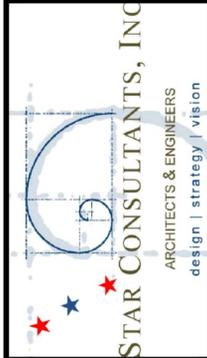
A SANITARY & VENT ISOMETRIC
 NTS

REFER TO CIVIL DRAWINGS FOR CONTINUATION



Ⓐ PROPANE GAS ISOMETRIC
NTS

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

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

SHEET
P.801

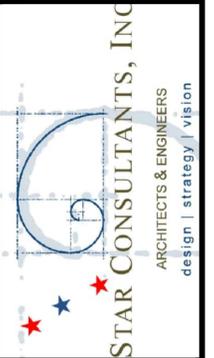
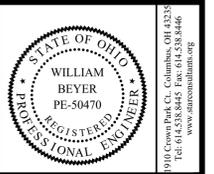
CODED NOTE:

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
1	02/04/2026	BID SET
2	03/03/2026	ADDENDUM #2



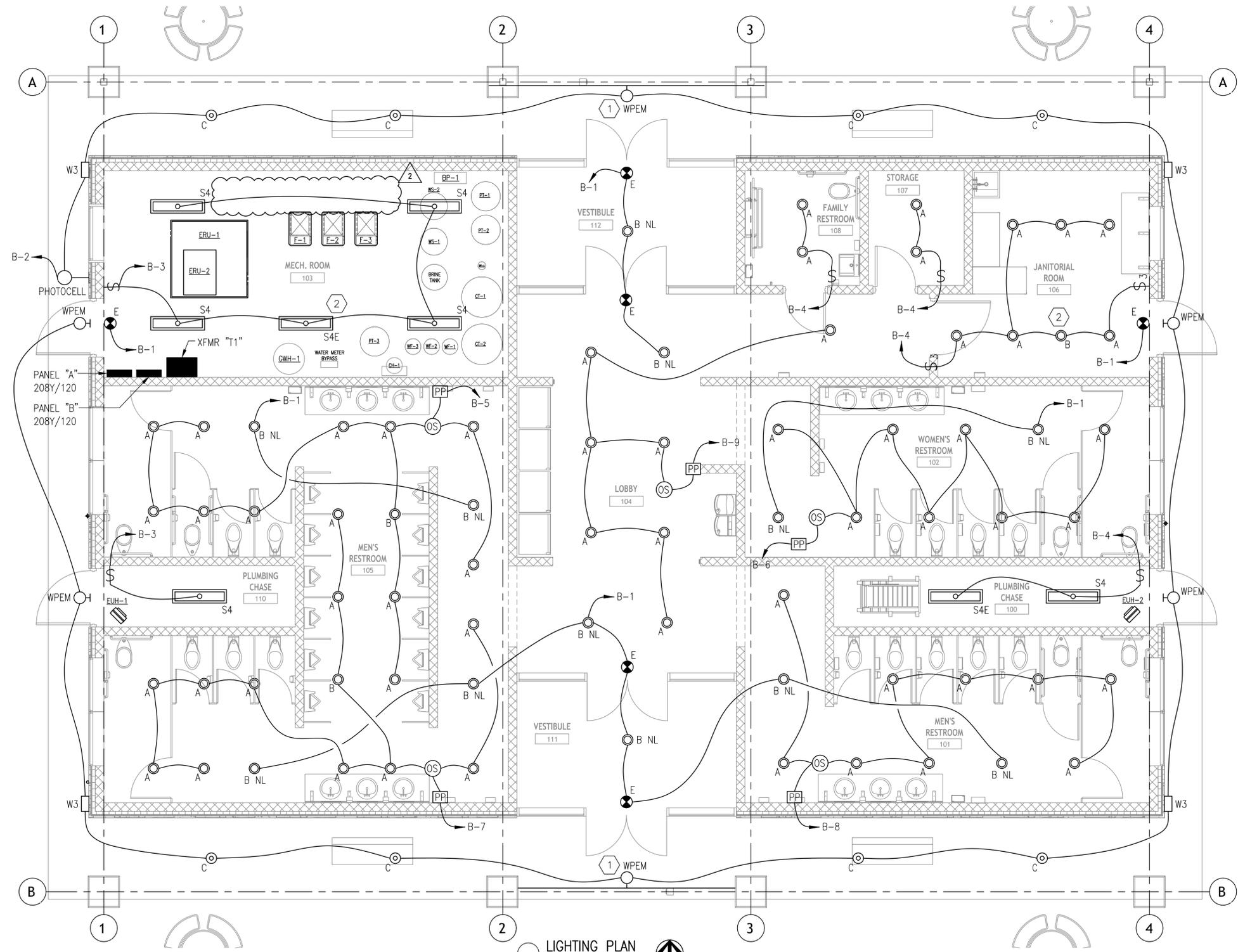
OHIO DEPARTMENT OF TRANSPORTATION
FACD08 RESTROOMS AT PREBLE TRUCK PARKING
 170 WB @ MM 01, NEW PARIS, PREBLE COUNTY, OH 45347

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

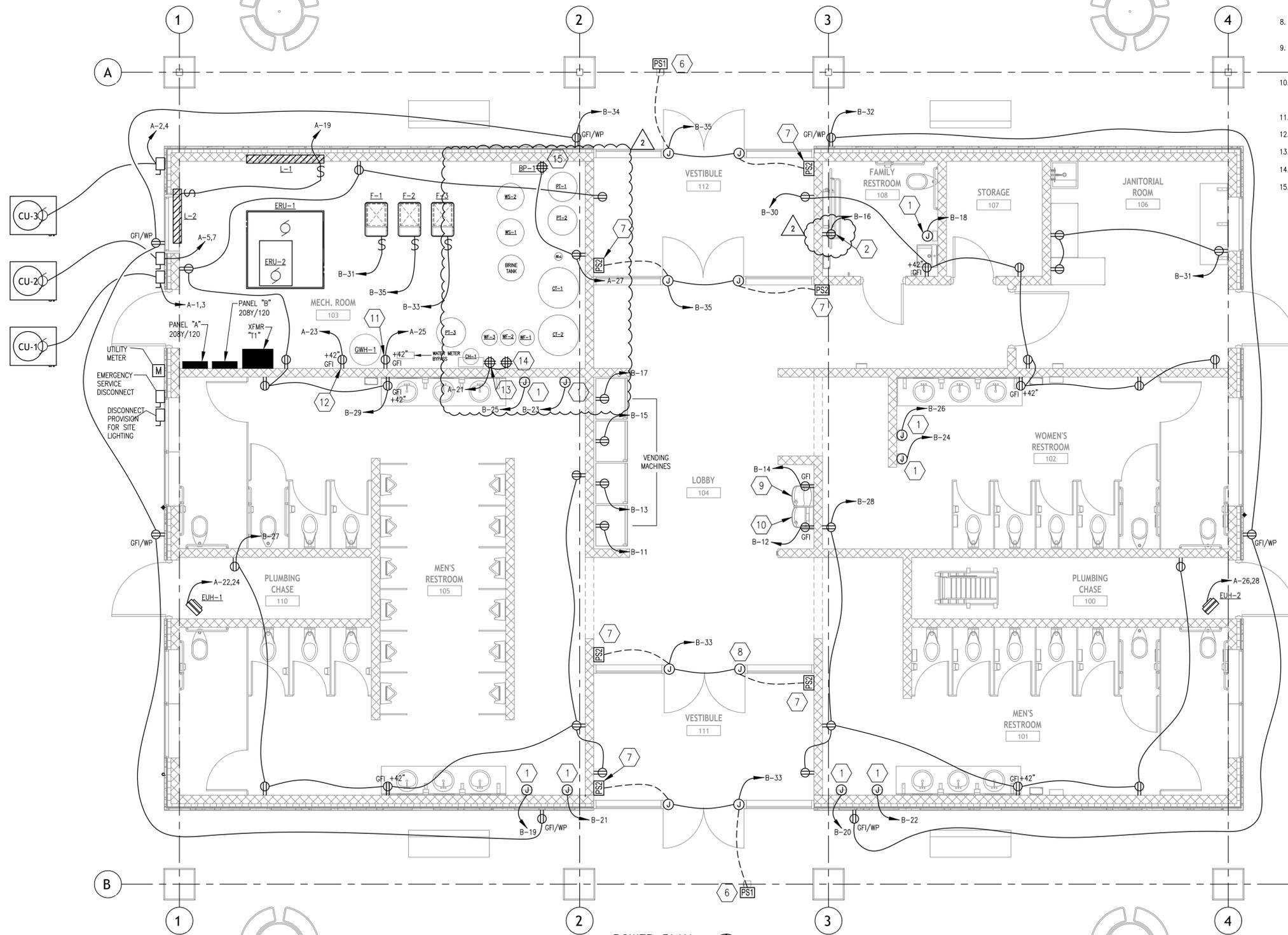
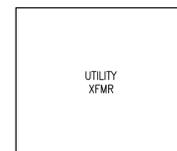
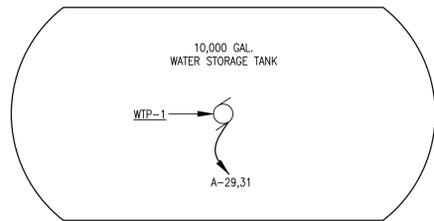
SHEET
E.101

UTILITY
 XFMR

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



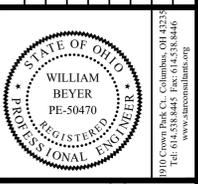
LIGHTING PLAN
 1/4" = 1'-0"



CODED NOTES:

1. PROVISION FOR ELECTRIC HAND DRYER.
2. PROVISION FOR CHANGING TABLE.
3. PROVISION FOR CHLORINE FEED PUMPS. (3)
4. PROVISION FOR WATER SOFTENERS (2)
5. PROVISION FOR IRON/MANGANESE FILTERS (3).
6. 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.
7. 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.
8. NORTON 6200 SERIES AUTOMATIC DOOR OPENER (TYP. OF 8) 120VAC, 2.5A.
9. LEFT WATER COOLER TO BE LOW-MOUNT WITH BOTTLE FILLER RECEPTACLE CENTERED UNDER UNIT AT +18" TO CENTER OF BOX.
10. RIGHT WATER COOLER TO BE HIGH-MOUNT. RECEPTACLE LOCATED 5" LEFT OF CENTERLINE AND HEIGHT AT +23" TO CENTER OF BOX.
11. PROVISION FOR WATER HEATER DRAFT INDUCER FAN.
12. PROVISION FOR HOT WATER RECIRCULATING PUMP.
13. PROVISION FOR (3) CHEMICAL (CHLORINE) FEED PUMPS.
14. PROVISION FOR WATER FILTERS (IRON).
15. PROVISION FOR WATER SOFTENERS.

REV#	DATE	REMARKS
1	02/04/2026	BID SET
2	03/03/2026	ADDENDUM #2



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

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	VOLTAGE: 208Y/120			CONFIG: 3 PHASE 4 WIRE			NEUTRAL: 100%			TVSS: NO									
LOCATION: 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		M	16.7	30	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		M	26.2	30	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		CHEM CFP-1,2,3/FILT 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 SOFT WS-1,2		200.00			900.00							28		
29	15	7.6	M	LO	WATER TANK PUMP WTP-1 3/4HP - BLDG WATER PRESSURE	790.00			790.00			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						11308.00	10118.00	10858.00	7701.00	7746.00	6846.00	PH-A 19009.00							
LOAD TYPE: LINEAR						BALANCE: 0%		TOTAL: 54577.00 KW		-		151.7 AMPS		PH-B 17864.00					
SCCR: SERIES						PF: #DIV/0!		DERATED: KW		-		AMPS		PH-C 17704.00					

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

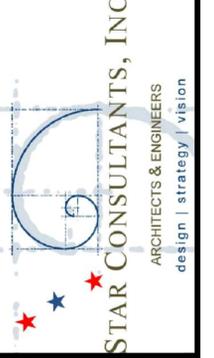
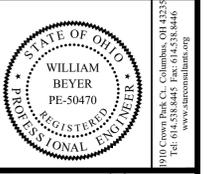
PANEL B																			
SIZE: 100	AMPS	MCB: 100	FEEDER: #3 W/ #8 GRD. IN 1 1/4" C.			SETS: 1	OPTIONS: NONE			NEMA: 1									
MOUNTING: SURFACE	VOLTAGE: 208Y/120			CONFIG: 3 PHASE 4 WIRE			NEUTRAL: 100%			TVSS: NO									
LOCATION: JANITORIAL RM.106	FED FROM: XFMR "T1"			DIRECTION: TOP			BRANCH MOUNT: 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 CHANGE TBL	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	PH A 10658.00							
LOAD TYPE: LINEAR						BALANCE: 0%		TOTAL: 28235.00 KW		-		78.5 AMPS		PH B 8207.00					
SCCR: SERIES						PF: #DIV/0!		DERATED: KW		-		AMPS		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" APERTURE 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" APERTURE 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
WP6M	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
1	02/04/2026	BID SET
2	03/03/2026	ADDENDUM #2



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

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