



STAR CONSULTANTS, INC

ARCHITECTS & ENGINEERS
design | strategy | vision

CONTRACT NO: DNR-250011
PROJECT:

Total pages 61 page including this page

ADDENDUM NUMBER TWO (2)

December 22, 2025

ADDENDUM TO PLANS and SPECIFICATIONS FOR:

PROJECT: DNR-250011

Dillon Visitors Experience Enhancement
5265 Dillon Hills Dr., Nashport, Ohio 43830

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 Section 01 2300 titled "Alternates" has been added.

SM-02 Section 08 4313 titled "Aluminum-Framed Storefronts" has been added.

DOCUMENTS GROUP

- D-01. Revised Civil, Doors schedule, and structural drawings “Clouded changes”
- D-02. Toilet Fixtures shall be Wall Mounted, see revised P.501 and P.601.

RESPONSES TO RFI's

- RFI-1.** The fencing around the sports courts is showing two different heights of fencing a 4' fence with a 6' Gate. What is the height of the sport courts fencing?

Response: Please see attached drawing. All existing fences that are to removed, shall be salvaged, painted, to match existing, and reinstalled. If Contractors would prefer to remove them and install new fences that would be acceptable.

- RFI-2.** The specs title page is showing a 012300 Alternates section this section is missing in the spec book. Is there an Alternates section in the specs?

Response: Section 012300 titled “ Alternates” is added, see attachments

- RFI-3.** You a asking us to save and reuse chain link fence in multiple areas. When you remove chain link fence it loses its integrity and will not re install properly. Can this be changed to demo and install new fencing?

Response: It is an option up to the contractor.

- RFI-4.** You are asking us to remove and reuse the volleyball sand. If there is not enough for the new court because it's too dirty or has too much foreign material is there an allowance for new sand to be added to the new volleyball court?

Response: No allowance for sand.

- RFI-5.** Is there a Spec for Fencing, Asphalt the Splash Pad, and the sports court surfacing?

Response: Sports court surfacing is shown on sheets L.121 and L.122. Splash pad does not receive asphalt surface

- RFI-6.** Doors the Specs have section for Fiberglass doors and the door schedule has only has HM Doors and Stainless steal doors what is the design intent for the doors?

Response: Doors schedule has been revised, see attachment.

- RFI-7.** The Door schedule sheet A.603 Shows a Insulated overhead door on the door types of elevation. There is no spec section for overhead doors. What is the design intent for the Over Head doors?

Response: Intent of the design for the overhead doors to be insulated.

- RFI-8.** Sheet A. 200 Shows a decretive Medallion on the building. After looking through the drawings and specs there is no detail or description for this sign. What is the design intent for the decretive medallion on the Pavilion?

Response: Content of the medallion has not been provided yet.

RFI-9. The specs call for Continuous Gear Hinges, and the plans call for regular 4 1/2" x 4 1/2" hinges. Which one is correct door hinge?

Response: Regular 4 1/2" x 4 1/2" hinges.

RFI-10. Is there a required subcontractor for the splash pad Installation or can we use anyone we chose?

Response: Subcontractor installing splash pad shall have at least 5 years of experience with similar work.

RFI-11. There is a chain link Fence in the middle of the Volleyball courts on the demo drawings that is indicating that its to remain. This fence cannot remain due to the orientation of the new pickleball courts that will be installed in this location. Are we to remove the fencing in the middle of the existing Volleyball courts?

Response: Fence to be removed.

RFI-12. Sheet C 103 Also shows a waterline relocation at the splashpad pump building and there is no note on demoing the existing water line that goes through the building on the demo drawings. What is the Design intent of the water line at the splash pad building?

Response: See revised C.103. Waterline to be relocated as shown.

RFI-13. L.126 – Will Maps A, B, and C be included in the signage scope of work?

Response: Yes.

RFI-14. The specifications refer to Section 08 4313 Aluminum-framed Storefront. That section is not included in the specifications provided. Can you please provide?

Response: Section 084313 titled "Aluminum-framed Storefront" is attached.

Attachments

- Attendance sheet
- Site Fence Height PPlan
- Section 012300 titled " Alternates""
- Section 084313 titled "Aluminum-framed Storefront"
- Revised Doors Schedule
- Revised Civil drawings "Clouded changes"
- Revised Structural drawings "Clouded changes"
- Plumbing Fixtures schedule "Wall Mounted Toilets"

END OF ADDENDUM (2)

ATTENDANCE SHEET

Date	12.22.2025	Meeting No:	Pre-Bid
Time	10:00 AM	Pre-Bid	Dillon Visitors Experience Enhancement
Project	DNR-250011		

Attendees	Company	E-Mail Address	Phone No	Fax No
Ali Alghothani	Star	ali@starconsultants.org	614-538-8451	614-538-8446
Dan Zubal	Star	zubal@starconsultants.org	614-538-8445	
Ali Mustafa	Star	mustafa@starconsultants.org	614-538-8445	
Gary Meisner	Meisner + Associates Land Vision	meisnerandassociates@fuse.net	513-321-2796	
John Trujillo	ODNR	John.Trujillo@dnr.ohio.gov	740-963-6557	
David Finley	ODNR	david.finley@dnr.ohio.gov	740-617-4715	
Ali Ahmed	Star Consultants	Ali03@starconsultants.org		
Oussama Sayah	Star Consultants	oussama@starconsultants.org		
Rodney Lothes	R+L Excavating	RI_exc@yahoo.com	740-763-0352	
Dan Wigginton	Breck's Paving	dan@breckspaving.com	614-266-1319	
Matt Whisler	Adena Corporation	Matt.whisler@adenacorporation.com	937-926-6592	
Chris King	Miles McClellon	Chris.king@mmbuildings.com	740-405-6889	
Karl Senter	2K General	Karl.senter@2kgeneral.com	740-602-6357	
Myron Goings	G+M Construction	gmconstruction@gmconstructioninc.com	740-586-7032	
Tara Street	NRGC	tara@northrosegc.com	740-415-8303	
Bracken McFann	NRGC	bracken@northrosegc.com	740-652-5826	
Scott Vierstra	Law Gen. Xtreme Asphalt	scott@lawxtreme.com	740-584-1073	
Chad Ashcrary	Knox Concrete Construction	knoxconcrete@knoxconcrete.com	740-599-9262	
Cody Eccard	Eccard Exc.	cody@eccardexcavating.com	740-407-9150	
Jordan Spano	Setterlin Building	j.spano@setterlin.com	330-812-0296	
Tracy Marzich	OFCC	Tracey.marzich@ofcc.ohio.gov		

**DILLION VISITOR EXPERIENCE ENHANCEMENT
ODNR, Dillon State Park
5265 Dillion Hills Dr.,
Nashport, Ohio 43830,
Muskingum County**

Pre-Bid Meeting

December 22, 2025 @ 10:00 PM

Pre-Bid Meeting Agenda

1. Introductions & Sign-In Sheet

2. Documents Required for Valid Bid pursuant to ORC 153.08, "General Contracting Delivery"
 - Valid Bid Security
 - Contractor and Surety Name must be listed in first section of Security form
 - Oblige: Ohio Facilities Construction Commission. Address is:
30 West Spring Street, 4th floor | Columbus, OH 43215
 - Date form submitted to Oblige must be before or on Bid Opening date
 - Single contract (General Contract)
 - Penal Sum must be blank or \$0.00 to be valid
 - Signed and Sealed date must be on or before Bid opening
 - Attorney in Fact must have permission to sign Security per POA
 - Surety Agent Contact information must be provided in Surety information section

 - Valid Power of Attorney
 - Person who signed Bid Security must be listed as Attorney in Fact on POA
 - Certification date of POA must be on or before bid opening date.

 - Valid Ohio Department of Insurance Certificate of Compliance
 - Check Expiration Date – Must not be expired.

3. Documents Required for Contract once Bid Awarded (Within 3 days of Request in notice of intent to award per Solicitation to Bidders) *Encourage Bidder to submit with Bid as it will streamline Contract process.*
 - a) Valid BWC Certificate
 - b) Secretary of State Good Standing Certificate (If out of state Contractor)
 - c) Valid Certificate of Compliance Certification from the Department of Development EEO Coordinator. ** AAPV / EEO Cert of Compliance- No Longer Required House Bill 96 Changes effective **09/30/2025** *

ORC 9.47; 125.11; 153.59 eliminates the requirement that contractors from whom the state or a political subdivision makes purchases to have a written affirmative action program for the employment and utilization of economically disadvantaged persons. In addition, ORC 153.502 prohibits disqualification of bidders for not complying with an affirmative action program, or a diversity, equity, and inclusion program. These changes do NOT affect Edge requirements.

- d) Valid Drug Free Safety Workplace Certificate – Substance Program
If you have questions about an application, call BWC at 1-800-644-6292
 - e) Valid Accord Form (Contractor’s Liability Insurance “Licking County Board Of Commissioners”
4. Contract will be sent upon Notice of Intent to Award for Signature for Controlling Board Approval
 5. Forms that must remain valid on file for duration of project through substantial completion date –
Failure to have valid copies on file can delay pay application processing
 - a) Valid BWC Certificate
 - b) Valid Accord Form (Contractor’s Liability Insurance)
 - c) Sureties ODI Certificate of Compliance Insurance
 6. House Bill 96 - Supplementary Conditions added to the Contract effective 09/30/2025

Retainage Reform

ORC 153.12-153.14; 153.63 revise retainage requirements:

- Retainage is capped **at four percent or less of labor** for the entire duration of the work, rather than eight percent of labor on the first 50 percent of the work and zero percent on the remaining portion.
- Prohibits contractors from paying subcontractors at a retainage rate lower than the rate being paid to the contractor by the public authority.
- The public authority is no longer required to deposit the retained amount in an escrow
- The retained funds are required to be paid to the primary contractor within 30 days of substantial completion of the project, with the public authority withholding only that amount reasonably necessary to assure final completion of the project. Any withheld retained funds and interest accrued is to be paid by the contractor no later than 30 days after the date of final completion of the project.

For construction contracts or guaranteed maximum price amendments executed prior to the effective date of HB96, the current retainage method will continue through the entire duration of all remaining work. For all forms of new construction contracts executed after September 30, 2025, the revised retainage method described above will be followed.

7. Summary of the work is in Specifications and includes but is not limited to the performance all work as indicated in the Construction Documents

- a. OHIO FACILITIES CONSTRUCTION COMMISSION will receive, open and publish bids for General Contracting through electronic means using the State’s electronic bidding service.
- b. **Bids are due January 05, 2026 @ 2:00 PM (Electronically via Bid Express)**
- c. **Selector Contractor Interview on: January 06, 2026 @ 2:00 PM**
- d. The Project site is located at:

Dillion State Park
5265 Dillion Hills Dr.
Nashport, Ohio 43830

8. Estimate of contract for this project is included in the Notice to Bidders.

<u>Trade</u>	<u>Estimate</u>
General Contract (Base Bid)	\$ 3,494,695.00
Alternate 1: Provide and install Generator....	\$ 106,827.00

9. Section 00 21 13, Instruction to Bidders (General Contracting/Electronic Bid):

- a) Article 2.3: REQUEST FOR INTERPRETATION: If the Bidder finds any perceived ambiguity, conflict, error, omission, or discrepancy within the Contract Documents, including the Drawings, Specifications, and Addenda, or between any of the Contract Documents and Applicable Law, the Bidder shall submit a written Request for Interpretation (“RFI”) to the A/E for an interpretation or clarification.
 - 1. The A/E shall respond to RFI’s **received by 12/29/2025 at 10:00 AM.**
 - 2. The A/E shall issue Addenda in response to RFIs that modify or clarify the Contract Documents prior to 72 hours before any bid opening **Last Addendum will be issued on 12/29/2025.**
 - 3. The Addenda will be delivered via BidExpress.

The successful Bidder shall not be compensated for a claim alleging insufficient data, incomplete ambiguous, conflicting, or erroneous Contract Documents or proposed Contract Documents, or assumed conditions regarding the nature, extent, or character of the Work, if the Bidder did not submit a related RFI prior to the bid opening.

- b) **BASIS OF DESIGN AND ACCEPTABLE COMPONENTS:** The Contract Documents may list components produced by specific manufacturers to denote kind, quality, or performance requirements. The component listed first is the Basis of Design Component. Other listed components are Acceptable Components. If the Bidder includes an Acceptable Component in its Bid, the Bidder is responsible for the costs of coordination and modification required.
- c) **SUBSTITUTION PRIOR TO BID OPENING:** No substitution will be allowed to the items specified unless the proposed item has been submitted for approval in a timely manner and has been noted in an Addendum.

If the Bidder proposes to use an article, device, material, equipment, form of construction, fixture, or item other than the Basis of Design or Acceptable Components named in the Specifications, the Bidder shall certify that the proposed item is equal in quality and all aspects of performance and appearance, to the item specified.

The bids are to reflect the use of items as specified or "approved" equals only. Proposed Substitutions received by the Associate less than 10 days prior to the bid opening shall not be considered.

- d) **ELECTRONIC BID FORM:** Each Bid shall be submitted on the electronic **Bid Form** through Bid express.
- e) **ALLOWANCE:** If Allowances are provided on the electronic Bid Form, the amount of each Allowance shall be included in the Base Bid amount. Allowances shall be used solely for the purpose of determining the adjustment to the Contract Sum for the difference between the amount of the Allowance and the actual cost of the related Work provided.
- f) **Unit Prices:** If Unit Prices are requested on the electronic Bid Form, the amount of the scheduled quantities shall be included in the Base Bid amount. Unit prices shall be used solely for the purpose of determining the adjustment to the contract sum for the difference between the estimated quantities on the electronic bid form and the actual quantities provided.
- g) **ALTERNATES:** If an Alternate is listed on the Bid Form, the Bidder shall fill in the applicable blank with an increased or decreased bid amount. The Contracting Authority reserves the right to accept or reject any or all bid amounts for Alternates, in whole or in part, and in any order. Failure to make an entry or an entry of "No Bid," "N/A," or similar entry on any Alternate shall cause the Bid to be rejected as non-responsive if that Alternate is selected.
- h) **Article 2.10, SUBMITTALS WITH ELECTRONIC BID FORM:**

2.10.1 The Contracting Authority shall reject a Bid as non-responsive if the Bidder fails to submit the following with the Bid:

2.10.1.1 An electronic facsimile of the Bid Guaranty as provided in **Article 5**, meeting the requirements of Ohio Revised Code ("ORC") Sections 153.54 and 153.571.

2.10.1.2 The original unaltered Bid Guaranty shall be delivered to the Contracting Authority within 3 business days after the public bid opening as provided in Ohio Administrative Code ("OAC") Section 153:1-8-01(H).

1. An annual financial statement prepared within the twelve (12) months prior to the bid opening or a financial report generated within 30 days prior to the Bid from Standard and Poor's, Dun and Bradstreet or a similar company documenting the financial condition of the Bidder; and the name, address, contact person and phone number of the bank normally used by the Bidder for its banking;

This information is not a public record under Section 149.43, ORC; and will remain confidential, except under proper order of a court.

2. Out of State Contractors need to secure a certificate of Good Standing from the Ohio Secretary of State. Refer article I.B. 2.7.2.8.

- a) **Article 6.5, Construction Progress Scheduling:** Refer to this section for requirements pertaining to electronic scheduling and coordination.

6.5.1 If the Estimated Construction Cost is less than \$500,000, the Contractor may provide a bar chart schedule with a logical sequence of events and sufficient detail to properly anticipate and monitor construction progress. If the Estimated Construction Cost for the Project is \$500,000 or more, the Contractor shall prepare and maintain a resource-loaded Construction Progress Schedule using the critical-path method of scheduling that provides the following information.

- b) Substantial Completion **140** consecutive calendar days after notice to proceed.
Contract Completion: **170** consecutive calendar days after notice to proceed.
- c) **There will be weekly job meetings.**
- d) Ohio law requires the use of **DOMESTIC STEEL**.
- e) The Owner has submitted and obtained General building permits from Ohio Department of Commerce . The Contractors shall obtain all regulatory approvals and pay all fees as necessary to obtain Life Safety, OSHA and OEPA approvals for the work as required.
- f) Builder's Risk Insurance:

The Contractor shall provide and maintain, during the progress of the Work and until the execution of the final Certification of Contract Completion by the Contracting Authority, a Builder's Risk insurance policy to cover all Work in the course of construction including false-work, temporary buildings and structures, and materials used in the construction process, stored on or off-site, or while in transit. This insurance shall be on a special cause of loss form, which provides coverage on an open perils basis insuring against the direct physical loss of, or damage to, covered property including, but not limited to, theft, vandalism, malicious mischief, earthquake, tornado, lightning, explosion, breakage of glass, flood, collapse, water damage, and hot and cold testing. This insurance shall be written on a replacement cost basis and shall also include debris removal, and/or demolition occasioned by enforcement of Applicable Law.

10.4.1.1 The amount of coverage shall be not less than the total completed value of the Project, including the value of permanent fixtures and decorations, with a deductible of not more than \$25,000 per occurrence. Any deductible over the amount specified must be authorized in writing by the Owner and the Contracting Authority.

10. Please address any specific questions in writing to **Ali Alghothani**, at Star Consultants, Inc. at email: ali@starconsultants.org.

Verbal interpretations of the Contract documents, and any statements made at the Pre-Bid meeting by the Associate, the Owner, or its representatives will not be binding, and that any and all changes to the Contract Documents will be made by written addendum.

11. Site Visit.

SECTION 01 23 00 - Alternates

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements governing alternates.
- B. Related Sections:
 - 1. Drawings and general provisions of the Contract.
 - 2. Divisions 01 through 33 Sections for items of Work covered by alternates.

1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this section are part of the work only if enumerated in the agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

Alternate #01: Furnish and Install New Basketball Courts	\$106,827
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END OF SECTION

END OF SECTION 01 230

SECTION 08 4313 - ALUMINUM-FRAMED STOREFRONTS

PART 1 - GENERAL

1.1 SUMMARY

A. Work of this section includes the following:

1. Aluminum-framed storefront, with vision glass.
2. Aluminum windows.

B. Related Requirements

1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 specification sections apply to this Section.
2. Section 07 9200 - Joint Sealants: Sealing joints between frames and adjacent construction.
3. Section 08 8000 - Glazing: Glass and glazing accessories.

1.2 REFERENCE STANDARDS

- A. AAMA CW-10 - Care and Handling of Architectural Aluminum From Shop to Site
- B. AAMA 609 & 610 - Cleaning and Maintenance Guide for Architecturally Finished Aluminum (Combined Document)
- C. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
- D. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)

1.3 SUBMITTALS

- A. See Division 1 specification sections for submittal procedures.
- B. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related Work, expansion and contraction joint location and details, and field welding required.
- C. Samples: Submit two samples 8 inches in size illustrating finished aluminum surface, glass, infill panels, glazing materials.
- D. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Handle products of this section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.5 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

1.6 WARRANTY

- A. See Division 1 specification sections for additional warranty requirements.
- B. Refer to the provisions of the contract, Division 01 and other Specification Sections that define the starting date and length of the warranty and correction periods, or that discuss either additional warranty requirements, or extended equipment warranties beyond the standard period.
- C. Provide five year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 - PRODUCTS

2.1 FRAMING FOR INSULATING GLAZING

- A. Front-Set (exterior) Style, Thermally-Broken:
 - 1. EFCO Corporation; Series 406, Thermal Storefront Framing: www.efcocorp.com/sle
 - 2. YKK AP America Inc.; www.ykkap.com.
 - 3. Kawneer Company, Inc.; Tri-fab 451T: www.kawneer.com

2.2 STOREFRONT AND WINDOWS

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
 - 1. Vertical Mullion Dimensions: 2 inches wide by 4-1/2 inches deep.
 - 2. Glazing Rabbet: For 1 inch insulating glazing.
 - 3. Finish: Class I color anodized.
 - a. Factory finish all surfaces that will be exposed in completed assemblies.
 - 4. Finish Color: Dark Bronze anodized.

5. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
6. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
7. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
8. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
9. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
10. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.
11. Sill Flashing: Minimum 24GA aluminum anodized to match storefront.

2.3 COMPONENTS

- A. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
 1. Glazing Stops: Flush.

2.4 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).
- B. Fasteners: Stainless steel.
- C. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.
- D. Aluminum Sill Flashing.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify dimensions, tolerances, and method of attachment with other work.
- B. Verify that wall openings and adjoining air and vapor seal materials are ready to receive work of this section.

3.2 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
- G. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.
- H. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- I. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.3 TOLERANCES

- A. Maximum Variation from Plumb: 0.06 inches every 3 ft non-cumulative or 1/16 inches per 10 ft, whichever is less.
- B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.

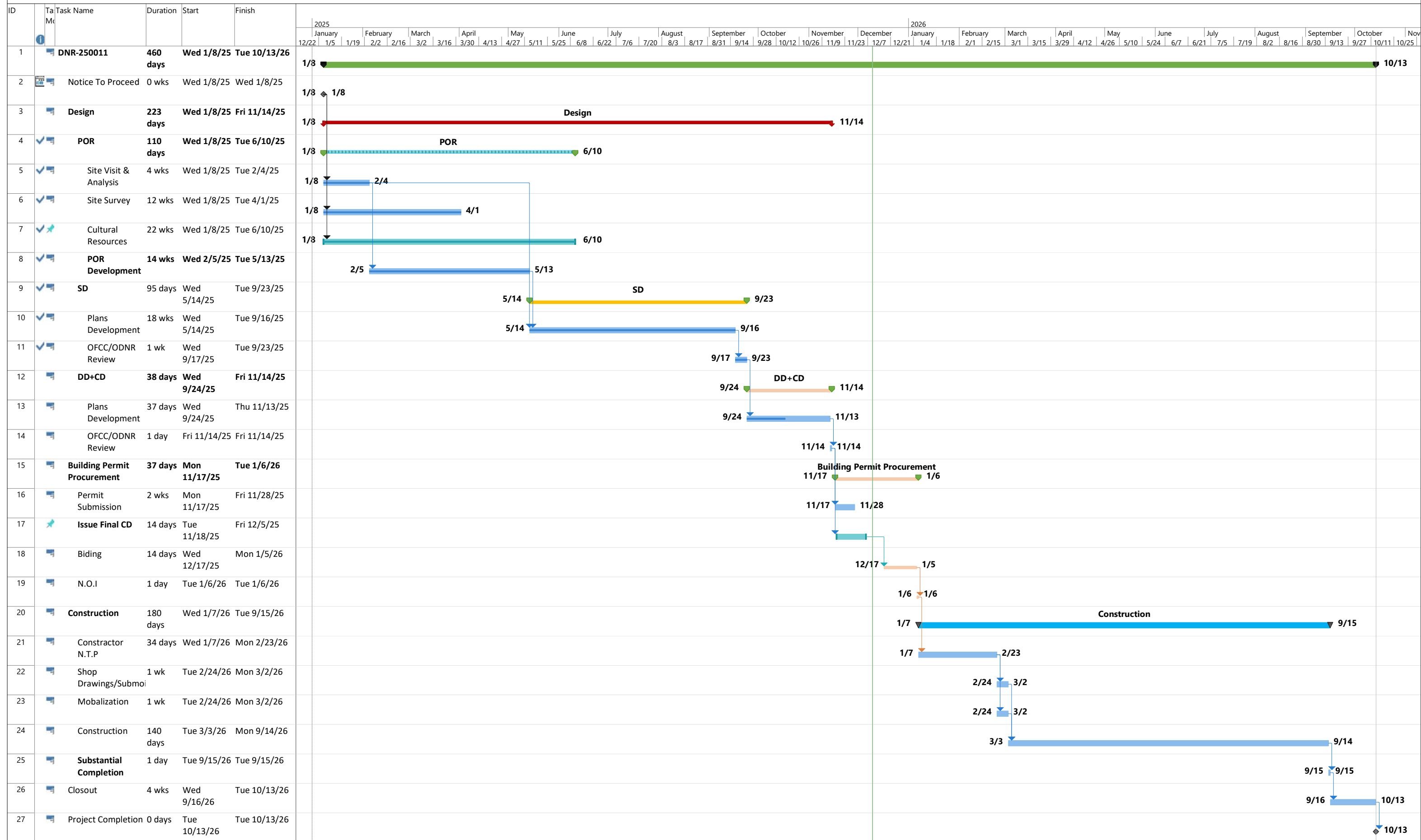
3.4 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Upon completion of installation, thoroughly clean aluminum surfaces in accordance with AAMA 609 & 610.

3.5 PROTECTION

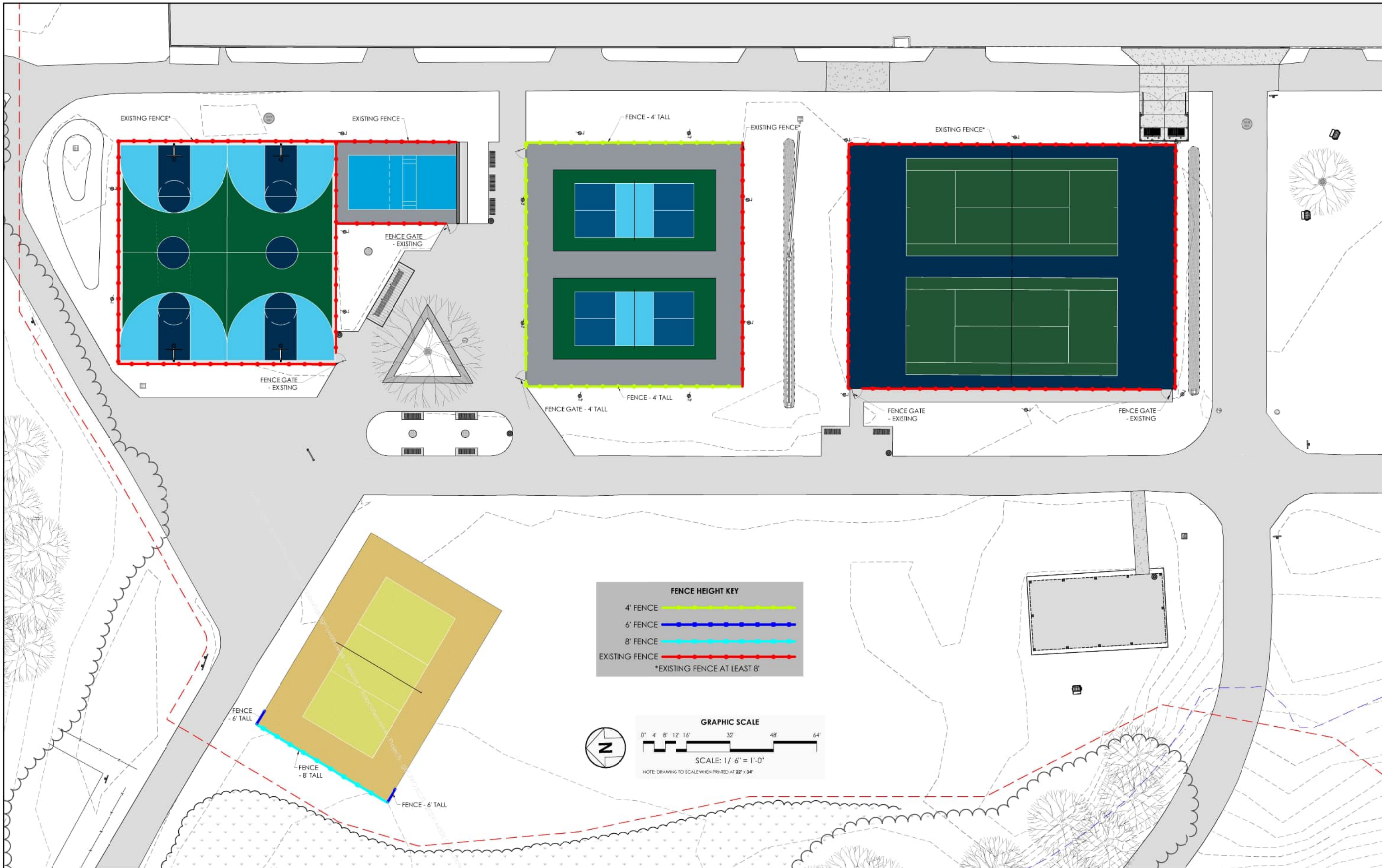
- A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION 08 4313



Project: DNR-250011_Dillon De
Date: Wed 12/10/25

Summary	Inactive Milestone	Manual Summary Rollup	Start-only	External Milestone	Manual Progress
Project Summary	Inactive Summary	Manual Summary	Finish-only	Deadline	Progress
Inactive Task	Manual Task	External Tasks	Progress		



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ENGINEERING
 Ohio Department of Natural Resources

OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
 5256 DILLON HILLS DRIVE
 NASHPORT, OHIO 43830

DESIGNED BY: GM
 DRAWN BY: GB
 CHECKED BY: GM
 APPROVED BY: GM

JOB NUMBER: DNR-250011
 SCALE: 1" = 30'-0"
 DATE: 12/9/2025
 REVISED: 12/19/2025

SITE FENCE HEIGHT PLAN
 CONSTRUCTION DOCUMENTS SET



GENERAL NOTES

1. REFERENCE TO "ODOT ITEM" OR "ODOT" REFERS TO ITEMS AND PARAGRAPHS IN THE "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMS) PUBLISHED BY THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT), STATE OF OHIO, JANUARY 1, 2023 EDITION. REFERENCE TO "DIRECTOR", ETC. IN THESE REFERENCES SHALL MEAN "ENGINEER". REFERENCE TO ODOT ITEMS AND PARAGRAPHS ARE FOR MATERIALS AND METHODS ONLY; MEASUREMENTS, ACCEPTANCES, PAYMENTS AND GENERAL CONTRACT PROVISIONS SHALL BE AS NOTED OR AS DESCRIBED IN THE ODNR CONTRACT DOCUMENTS FOR THIS PROJECT. A COPY OF THE CMS SHALL BE ON THE JOB SITE AT ALL TIMES DURING THE WORK.
2. CONTACT THE UTILITIES PROTECTION SERVICE AT 1-800-362-2764 TWO WORKING DAYS BEFORE CONSTRUCTION BEGINS.
3. IF THE CONTRACTOR HAS ANY QUESTIONS AS TO THE INTENT OF THESE PLANS AND SPECIFICATIONS, HE SHALL IMMEDIATELY BRING IT TO THE ATTENTION OF THE ENGINEER WHO SHALL RESPOND IN A TIMELY MANNER.
4. THE CONTRACTOR SHALL KEEP ALL EXISTING AND PROPOSED PAVEMENTS CLEAR OF MUD, GRAVEL, GREASES, AND OILS, AND THE RIGHT-OF-WAY CLEAR OF EQUIPMENT AND MATERIALS.
5. ALL DISTURBED EARTH SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE TO PRECLUDE EROSION. JUTE MATTING SHALL BE PLACED IN AREAS WHERE GRASS COVER CANNOT BE ESTABLISHED DUE TO STEEP SLOPES.
6. ANY CHANGE IN THE PROPOSED IMPROVEMENTS MUST BE MADE BY CHANGE ORDER AND APPROVED BY THE ENGINEER.
7. ALL TRENCHES WITHIN PAVEMENT AREAS SHALL BE BACKFILLED WITH ODOT ITEM 613 LOW-STRENGTH MORTAR OR GRANULAR BACKFILL AS APPROVED BY THE OWNER.
8. NO GROUND OR SURFACE WATER ENCOUNTERED DURING EXCAVATION WILL BE ALLOWED TO ENTER THE SANITARY SEWER COLLECTION SYSTEM.
9. A MINIMUM 10-FOOT HORIZONTAL SEPARATION (MEASURED OUT-TO-OUT CLEAR) BETWEEN THE PROPOSED WATER LINES AND SANITARY SEWER SHALL BE MAINTAINED.
10. A MINIMUM 18" VERTICAL CLEARANCE (MEASURED OUT-TO-OUT CLEAR) BETWEEN THE PROPOSED WATER LINES AND SANITARY SEWER SHALL BE MAINTAINED. WATERLINE SHOULD BE ABOVE SANITARY SEWER.
11. ACCESS TO ALL DRIVEWAYS AND PARKING AREAS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. ALL OPEN TRENCHES SHALL BE BACKFILLED AS SOON AS POSSIBLE.
12. ALL MANHOLES SHALL BE TESTED IN ACCORDANCE WITH ASTM C-1244.
13. ALL PLASTIC SANITARY SEWER PIPE SHALL BE AIR TESTED IN ACCORDANCE WITH ASTM F-1417. SEE SPECIFICATION 33 31 00 FOR TESTING REQUIREMENTS.
14. ALL GRAVITY SANITARY SEWER SHALL PASS THE DEFLECTION TEST IN ACCORDANCE WITH OHIO EPA REQUIREMENTS AND ASTM SPECIFICATIONS. DEFLECTION TESTING SHALL BE CONDUCTED 30 DAYS AFTER INSTALLATION OF BACKFILLING OF THE PIPE OR AS OTHERWISE DIRECTED BY THE ENGINEER.
15. ROOF DRAINS, FLOOR DRAINS, AND ALL CLEAN WATER CONNECTIONS SHALL BE PROHIBITED FROM CONNECTING TO THE SANITARY SYSTEMS.

7. IN AREAS WHERE EARTH MOVING WILL BE EXTENSIVE, A COMBINATION OF DIVERSION CHANNELS (WITH EROSION CONTROL BARRIERS) AND SEDIMENTATION BASINS SHALL BE USED TO CONTROL RUNOFF AND EROSION.
8. EXCESS SOIL THAT IS STOCK PILED MUST BE EITHER REMOVED OR RE-GRADED WITHIN 15 DAYS OF THE COMPLETION OF THE CONSTRUCTION.
9. IF TREE REMOVAL IS NECESSARY, TREES SHALL BE FELLED IN A MANNER THAT AVOIDS DAMAGE TO ADJACENT TREES TO REMAIN STANDING. WHERE ROOT DAMAGE CANNOT BE AVOIDED, PRUNING AS APPROPRIATE TO COMPENSATE FOR THE DAMAGE SHALL BE DONE BY AN AUTHORIZED ARBORIST. TREE REMOVAL SHALL CORRESPOND WITH INDIANA BAT REQUIREMENTS.
10. REGARDLESS OF LANDOWNER PERMISSION, NO EXCESS FILL OR ANY OTHER MATERIALS FROM CONSTRUCTION ACTIVITIES ARE TO BE PLACED IN LOW-LYING AREAS THAT ARE SEASONALLY OR HABITUALLY DAMP OR WET, PARTICULARLY IN THE FLOOD PLAIN, UNLESS A SITE SURVEY HAS BEEN CONDUCTED WHICH DETERMINES THAT THE SITE IS NOT A WETLAND.
11. NO FILL, TOPSOIL OR HEAVY EQUIPMENT SHALL BE STORED WITHIN 200 FEET OF A STREAM BANK OR WITHIN THE DRIP LINE OF TREED AREAS.
12. CONSTRUCTION AND RESTORATION ACTIVITIES SHALL NOT SIGNIFICANTLY ALTER EXISTING DRAINAGE PATTERNS AND/OR VELOCITY OF STORM WATER FLOW.
13. THE CONTRACTOR SHALL PERFORM ALL EROSION/SEDIMENTATION CONTROL DURING ALL CONSTRUCTION (EARTH MOVING, TRENCH EXCAVATION, ETC.). THE CONSTRUCTION SHALL BE GOVERNED BY THE ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS AND SHALL COMPLY WITH THESE REQUIREMENTS.
14. EROSION CONTROL PLASTIC MATTING WITH SMALL GRID NOT ACCEPTABLE.

UTILITIES AND PUBLIC SERVICE CORPORATIONS

1. THE CONTRACTOR SHALL NOTIFY AT LEAST 48 HOURS BEFORE BREAKING GROUND ALL PUBLIC SERVICE CORPORATIONS HAVING WIRE POLES, PIPES, CONDUITS OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION.
2. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED FROM THE OWNERS OF THE UTILITIES AND BY FIELD CHECKS OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT NEITHER THE OWNER OR THE ENGINEER ENSURE THEIR ACCURACY OR COMPLETENESS.
3. THE CONTRACTOR SHALL VERIFY WITH THE OWNERS THE LOCATION, ALIGNMENT AND ELEVATION OF ALL PUBLIC AND PRIVATE UTILITIES WHICH MAY BE AFFECTED BY CONSTRUCTION. THE LOCATION OF UTILITIES AND STRUCTURES ARE SHOWN ON THE DRAWINGS FROM DATA AVAILABLE AT THE TIME OF SURVEY AND IS NOT NECESSARILY COMPLETE OR CORRECT. THE EXACT FIELD LOCATION AND PROTECTION OF UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING WATERLINE AND SANITARY SEWER PIPE SIZES PRIOR TO CONNECTING TO EXISTING TO ENSURE PROPER MATERIAL AND SIZE ARE UTILIZED.

EXISTING PAVEMENT PROTECTION

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE ASPHALT PAVEMENT WHICH MAY BE ADVERSELY AFFECTED BY CONSTRUCTION ACTIVITIES.

EXCAVATED MATERIAL

ALL EXCAVATED MATERIAL AND ALL MATERIAL USED IN CONSTRUCTION OF THE WORK SHALL BE PILED IN A MANNER THAT WILL NOT ENDANGER THE WORK AND THAT WILL LEAVE DRIVEWAYS, FIRE AND POLICE CALL BOXES OR OTHER CONTROLS UNOBSTRUCTED AND ACCESSIBLE WHILE THE WORK IS BEING COMPLETED. SATISFACTORY PROVISIONS SHALL BE MADE FOR STREET DRAINAGE, AND NATURAL WATERCOURSES SHALL NOT BE OBSTRUCTED. DURING THE PROGRESS OF THE WORK, ALL MATERIAL PILES SHALL BE KEPT TRIMMED UP AND MAINTAINED IN A NEAT MANNER. ALL EXCAVATED WASTE MATERIAL SHALL BE REMOVED FROM THE PROJECT SITE, AS DIRECTED BY THE ENGINEER. ALL EXCAVATED SOIL AND ROCK MAY BE DISPOSED ON SITE AS DIRECTED BY ODNR.

AN EQUAL AMOUNT OF MATERIAL MUST BE REMOVED FROM THE FLOODPLAIN EQUIVALENT TO THE AMOUNT OF MATERIAL IMPORTED TO THE FLOODPLAIN WITH THE GOAL OF OBTAINING A ZERO NET GAIN OF MATERIAL ADDED TO FLOODPLAIN. NO WORK SHALL OCCUR IN THE FLOODWAY.

PRESERVATION OF PROPERTY CORNERS AND SURVEY MARKERS

THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS, OR ANY TYPE OF LAND MONUMENT. HE SHALL HAVE ALL LAND MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED. HE SHALL REPLACE DESTROYED OR DAMAGED MONUMENTS AND SHALL FURNISH CERTIFICATION BY AN OHIO REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.

PRESERVATION OF EXISTING UTILITY SERVICES

ANY EXISTING WATER LINE, SANITARY SEWER, STORM SEWER, AND GAS LINE, IN OR OUTSIDE OF THE CONSTRUCTION LIMITS, DAMAGED DURING CONSTRUCTION OF THE PROPOSED PROJECT, WILL BE REPLACED AT THE CONTRACTORS EXPENSE.

SAFETY PROCEDURES

CONTRACTOR SHALL COMPLY WITH ALL FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS DURING ALL PHASES OF CONSTRUCTION.

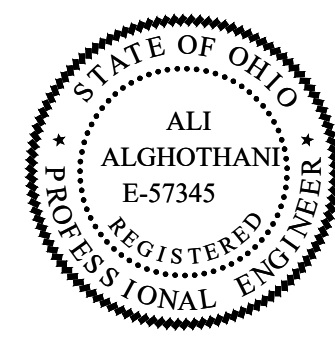
EROSION/SEDIMENT CONTROL

1. ANY SITE PREPARATION THAT WILL INVOLVE EARTH MOVING (SUCH AS CLEARING AND GRUBBING) WILL NOT BEGIN MORE THAN 2 WEEKS IN ADVANCE OF THE START OF EXCAVATION. THE PURPOSE OF THIS RESTRICTION IS TO PREVENT THE EXISTENCE OF LARGE AREAS OF EXPOSED SOILS FOR EXTENDED PERIODS OF TIME WHEN CONSTRUCTION IS NOT PROCEEDING.
2. ALL DISTURBED VEGETATION IS TO BE RESEEDED AS PART OF RESTORATION, UNLESS THE AREA WILL BE PAVED OR OCCUPIED BY ABOVE GROUND FACILITIES. TOP SOILING FOR THE RESTORATION OF VEGETATED AREAS DISTURBED BY CONSTRUCTION SHALL AVERAGE (6) INCHES IN THICKNESS.
3. ALL DEWATERING FLOWS SHALL BE SILT-FREE PRIOR TO DISCHARGE, AND DISCHARGE SHALL BE DIRECTED TO STABILIZED SITES SUCH AS STREAMS, STORM SEWERS OR EXISTING GRASSED DRAINAGES, NOT ONTO EXPOSED SOILS OR ANY OTHER SITE WHERE FLOWS COULD CAUSE EROSION.
4. IF, DUE TO WEATHER, FINAL GRADING CANNOT BE ACCOMPLISHED IMMEDIATELY, MULCHING AND TEMPORARY SEEDING, IF FEASIBLE, OR SOME OTHER TYPE OF TEMPORARY EROSION CONTROL MEASURES, MUST BE USED WITHIN 30 DAYS UNTIL LONG-TERM RESTORATION CAN OCCUR.
5. PRESERVATION SHALL TAKE PRECEDENCE OVER REMOVAL. REMOVE ONLY THOSE TREES, SHRUBS AND STRUCTURES NECESSARY TO COMPLETE CONSTRUCTION AND MAINTAIN THE NEW FACILITIES. ALL TREE REMOVAL SHALL BE APPROVED BY THE OWNER.
6. STOCK PILED TOPSOIL AND FILL MATERIALS SHALL BE PROTECTED WITH EROSION CONTROL BARRIERS OR TEMPORARY SEEDING.

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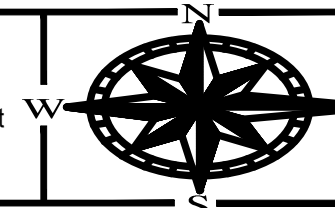


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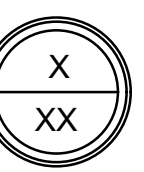
ENGINEERING
Ohio Department of Natural Resources

**OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
5256 DILLON HILLS DRIVE
NASHPORT, OHIO 43830**

DESIGNED BY: MS	JOB NUMBER: DNR-250011
DRAWN BY: MS	SCALE: AS NOTED
CHECKED BY: AM	DATE: 11.14.2025
APPROVED BY: AMA	REVISED:

GENERAL NOTES

C.99

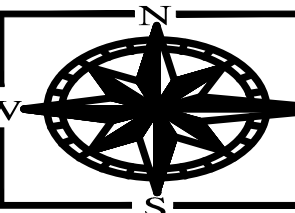




MATCH LINE SEE SHEET C.101

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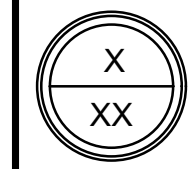
OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
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NASHPORT, OHIO 43830

DESIGNED BY: **MS**
DRAWN BY: **MS**
CHECKED BY: **AM**
APPROVED BY: **AMA**

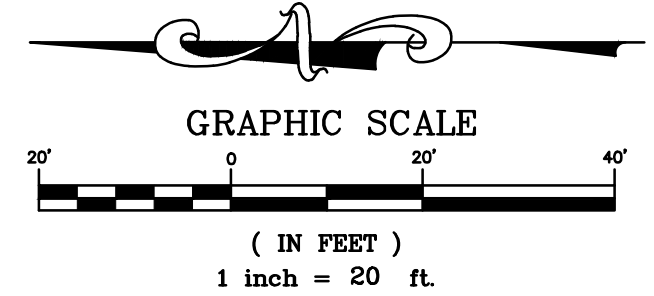
JOB NUMBER: DNR-250011
SCALE: AS NOTED
DATE: 11.14.2025
REVISED:

DEMOLITION SITE PLAN

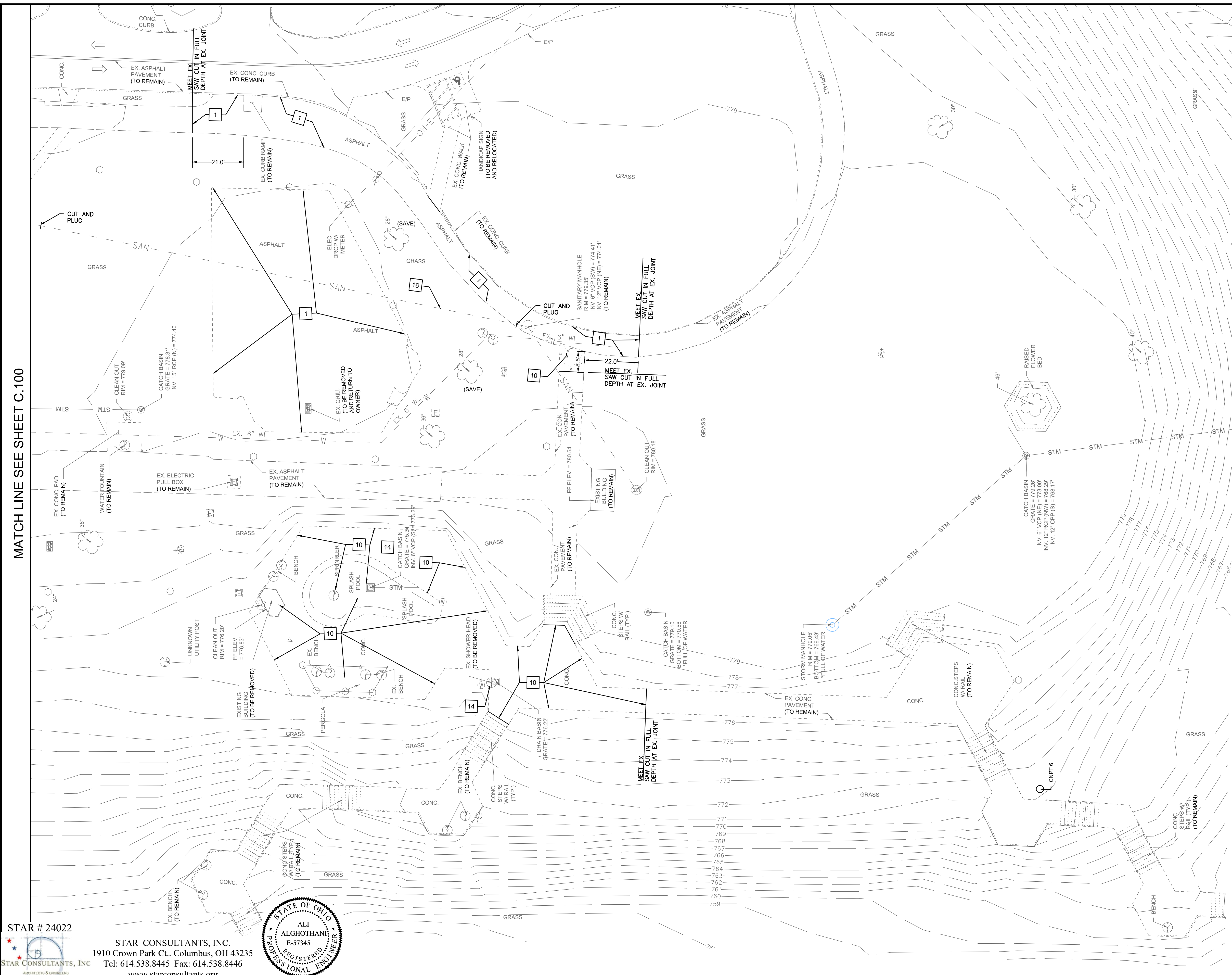
C.100



-FOR LEGEND AND CODED NOTES, SEE SHEET C.102



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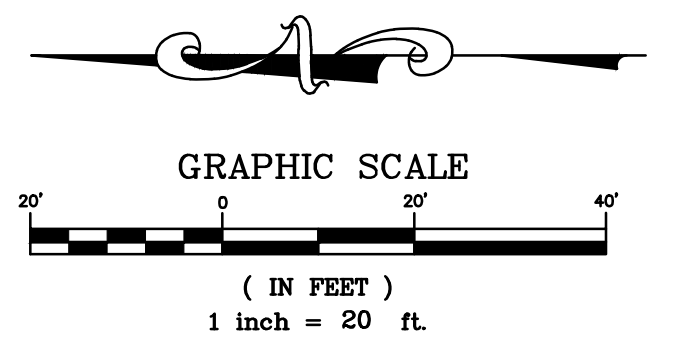
- DEMOLITION CODED NOTES:**
- 1 EX. ASPHALT PAVEMENT TO BE REMOVED
 - 2 EX. RESTROOM TO BE REMOVED (COMPLETE IN PLACE)
 - 3 EX. BASKETBALL COURT/TENNIS COURT PAVEMENT TO BE REMOVED
 - 4 EX. BASKETBALL COURT SURFACE 18" WIDE STRIP TO EX. FENCE TO REMAIN
 - 5 EX. NORTH HAND BALL COURT PAVEMENT TO REMAIN
 - 6 EX. 10' CHAIN LINK FENCE TO REMAIN
 - 7 EX. CONCRETE CURB TO BE REMOVED
 - 8 EX. SOUTH HAND BALL COURT PAVEMENT TO BE REMOVED
 - 9 EX. SAND VOLLEYBALL COURT TO BE REMOVED. THE SAND SHALL BE STOCKPILED FOR RE-USE AND NETS SHALL BE REMOVED AND RETURNED TO THE OWNER
 - 10 EX. CONCRETE PAVEMENT, PERGOLA AND UTILITY BUILDING TO BE REMOVED COMPLETE IN PLACE
 - 11 EX. CURB RAMP TO BE REMOVED
 - 12 EX. SIGN TO BE REMOVED AND RE-SET
 - 13 EX. LIGHT POLE TO BE REMOVED AND RE-SET, WITH A NEW CONCRETE FOUNDATION FOR NEW LOCATION SEE SHEET C.102 EXISTING CONCRETE FOUNDATION TO BE REMOVED
 - 14 EX. SHOWER HEAD AND CATCH BASIN TO BE REMOVED AND CUT & PLUG WATER SERVICE LINE AND STORM SEWER PIPE
 - 15 EX. CATCH BASIN TO BE REMOVED.
 - 16 EX. 12" SANITARY LINE, CUT AND PLUG AT BOTH ENDS, AND REMOVED.
 - 17 EX. 8" STORM PIPE TO BE REMOVED.
 - 18 EX. FENCE TO BE REMOVED

- LEGEND**
- 5/8" REBAR W/RED TRAVERSE CAP (CONTROL POINT)
 - ⊕ BENCHMARK
 - ⊞ ELECTRIC PULLBOX
 - ⊙ LIGHT POLE
 - ⊙ MISC. OBJECT AS NOTED
 - ⊙ POWER POLE
 - ⊙ MISC. POST
 - ⊙ PICNIC GRILL
 - STM — STORM SEWER LINE
 - - - SAN - - - SANITARY SEWER LINE
 - - - E - - - OVERHEAD ELECTRIC LINE
 - - - 750 - - - CONTOUR LINES
 - X - X - FENCE LINE AS NOTED

Control Point Table

Point #	Northing	Easting	Elevation	Description
CNPT 1	734114.173	205035.275	742.55	5/8" REBAR W/RED TRAVERSE CAP
CNPT 2	735837.826	2076291.350	770.49	5/8" REBAR W/RED TRAVERSE CAP
CNPT 3	734978.119	2076542.001	768.26	5/8" REBAR W/RED TRAVERSE CAP
CNPT 4	734873.003	2076002.493	773.46	5/8" REBAR W/RED TRAVERSE CAP
CNPT 5	735239.895	2075385.949	773.13	5/8" REBAR W/RED TRAVERSE CAP
CNPT 6	734679.166	2075378.321	771.36	5/8" REBAR W/RED TRAVERSE CAP
BM 01	734776.2	2076127.3	770.26	RAILROAD SPIKE IN NORTHWEST SIDE OF POWER POLE
BM 02	735006.2	2076559.8	764.58	RAILROAD SPIKE IN SOUTH SIDE OF POWER POLE
BM 03	734086.1	2074849.7	741.24	MAGNAIL SET IN CONCRETE CURB
BM 04	735277.1	2075541.9	781.11	SQUARE CHISELED IN W SIDE OF CONC. LIGHT POLE BASE
1125	738448.67	2080095.51	914.45	ALUMINUM DISK IN CONC. MONUMENT "GPS 83"

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



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STATE OF OHIO
 ALI ALGHOOTHANI
 E-57345
 REGISTERED PROFESSIONAL ENGINEER

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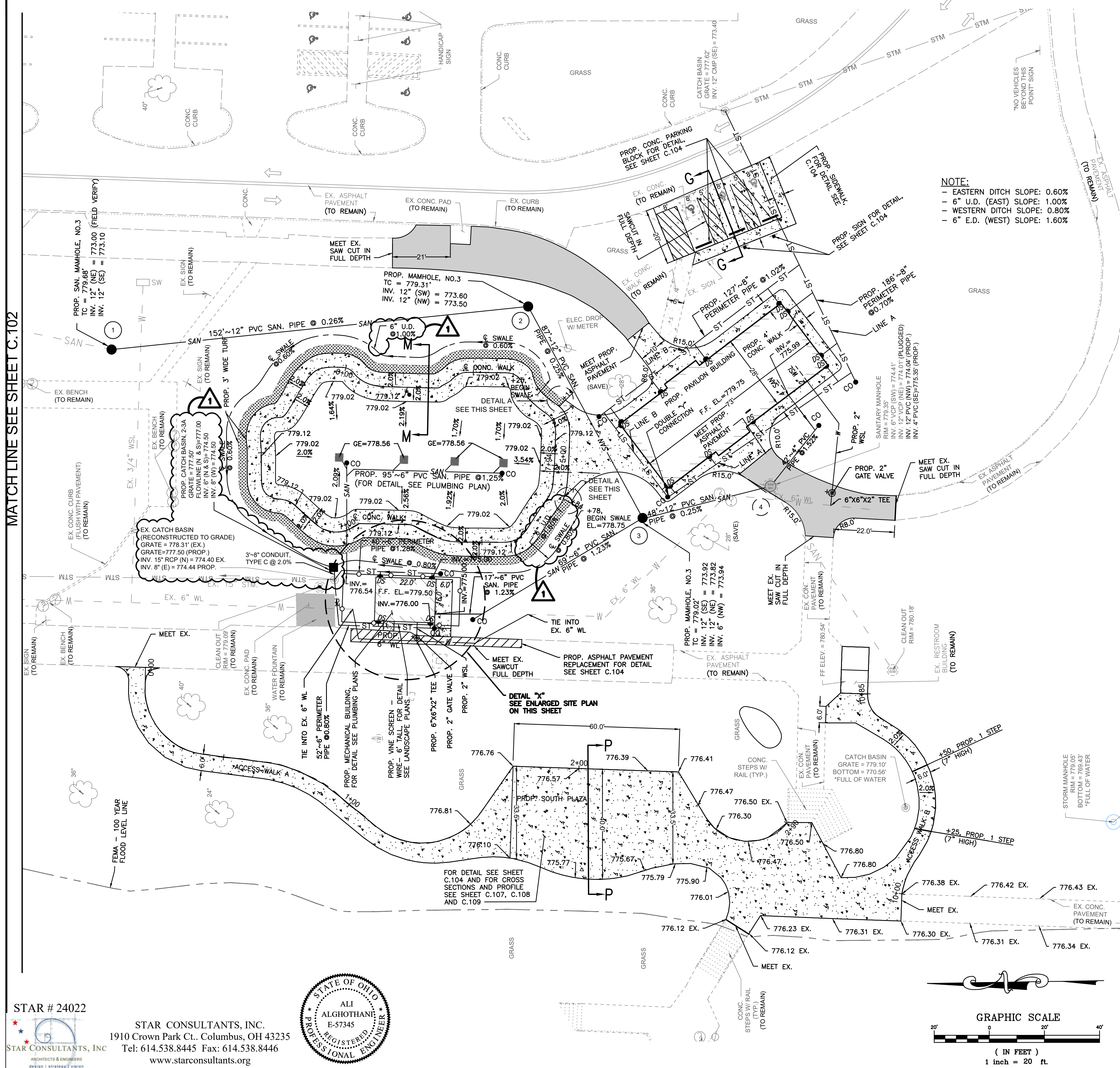
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5256 DILLON HILLS DRIVE
NASHPORT, OHIO 43830

DESIGNED BY: **MS** JOB NUMBER: DNR-250011
 DRAWN BY: **MS** SCALE: AS NOTED
 CHECKED BY: **AM** DATE: 11.14.2025
 APPROVED BY: **AMA** REVISED:

DEMOLITION SITE PLAN

C.101

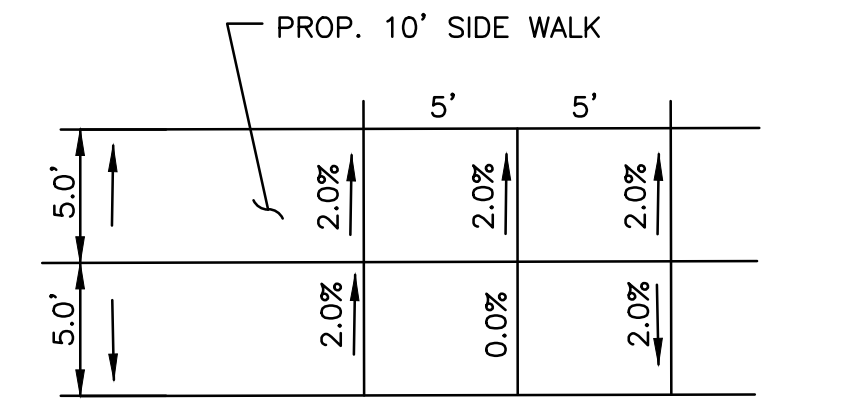
MATCH LINE SEE SHEET C.102



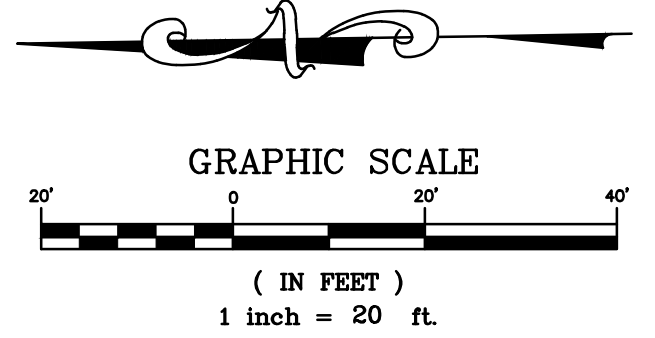
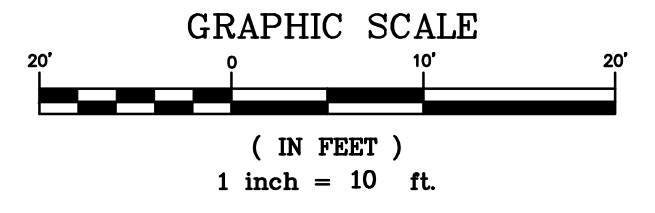
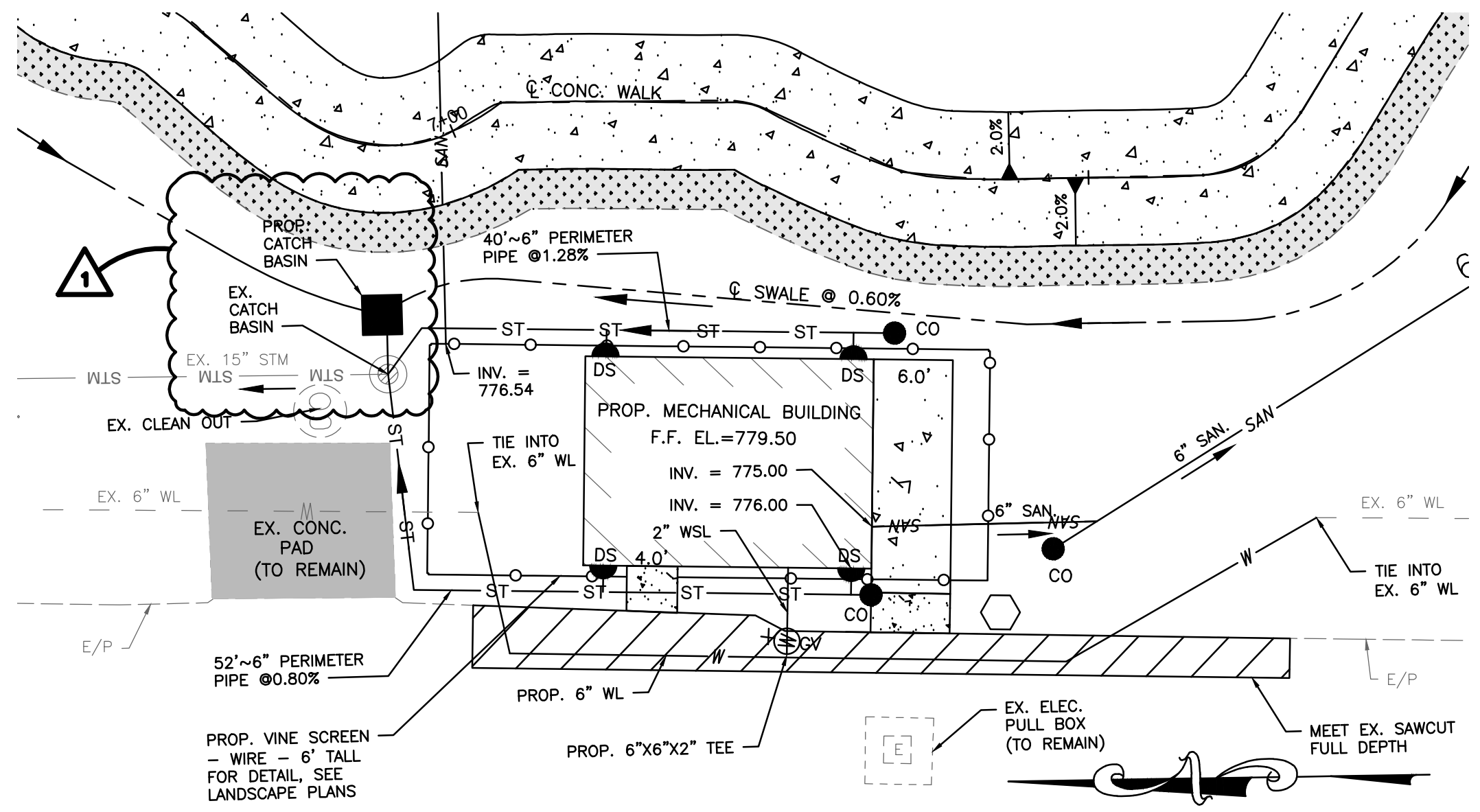
NOTE:
 - EASTERN DITCH SLOPE: 0.60%
 - 6" U.D. (EAST) SLOPE: 1.00%
 - WESTERN DITCH SLOPE: 0.80%
 - 6" E.D. (WEST) SLOPE: 1.60%

- LEGEND**
- 5/8" REBAR W/RED TRAVERSE CAP (CONTROL POINT)
 - ⊕ BENCHMARK
 - ⊞ ELECTRIC PULLBOX
 - ⊙ LIGHT POLE
 - ⊙ MISC. OBJECT AS NOTED
 - ⊙ POWER POLE
 - ⊙ MISC. POST
 - ⊙ PICNIC GRILL
- STM — STM — STORM SEWER LINE
 - - - SAN - - - SANITARY SEWER LINE
 - - - E - - - OVERHEAD ELECTRIC LINE
 - - - 750 - - - CONTOUR LINES
 - X - X - FENCE LINE AS NOTED

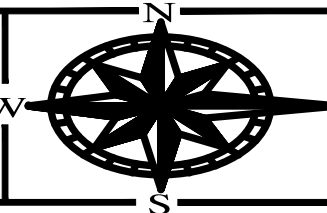
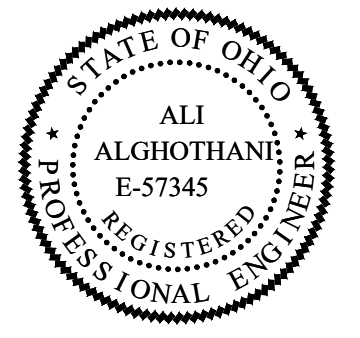
- PROP. ASPHALT PAVEMENT, FOR DETAIL SEE SHEET C.104
- PROP. REINFORCED CONC. PAD FOR THE DUMPSTER PAD, FOR SEE SHEET C.104
- PROP. CONC. WALK, FOR DETAIL SEE SHEET C.104
- PROP. ASPHALT PAVEMENT REPLACEMENT FOR DETAIL SEE SHEET C.104



FOR SECTIONS E-E, F-F, M-M, G-G AND P-P SEE SHEET C.104
 FOR ACCESS WALK A & B PROFILES SEE SHEET C.107
 FOR SPLASH PAD CROSS SECTIONS SEE SHEETS C.110, C.111 AND C.112



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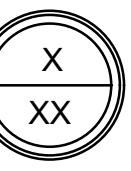
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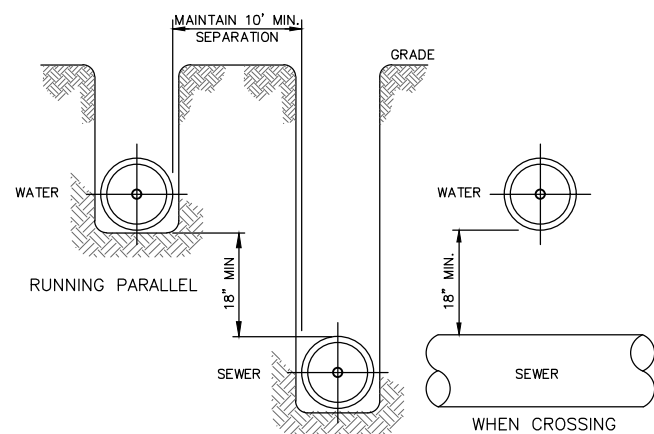
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DRAWN BY: MS	SCALE: AS NOTED
CHECKED BY: AM	DATE: 11.14.2025
APPROVED BY: AMA	REVISED: 1. ADDENDUM 1, 12-19-2025

NEW WORK SITE PLAN

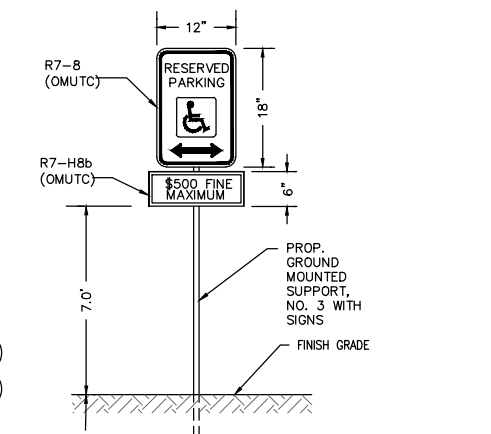
C.103



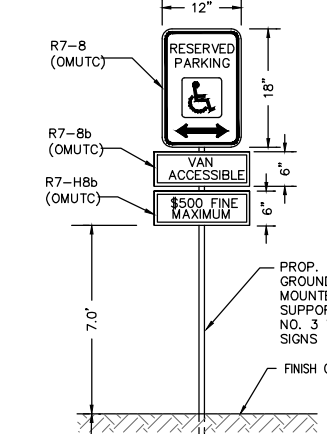
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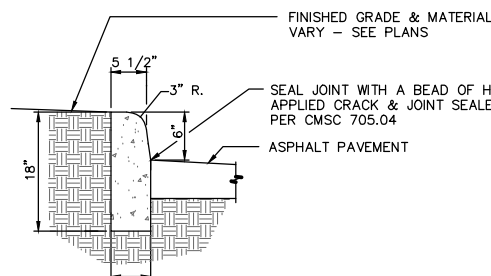
STORM, SANITARY, AND WATERLINE RELATIONSHIP
N.T.S.



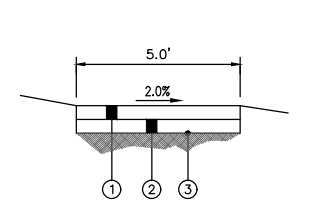
ADA PARKING SIGN DETAIL
N.T.S.



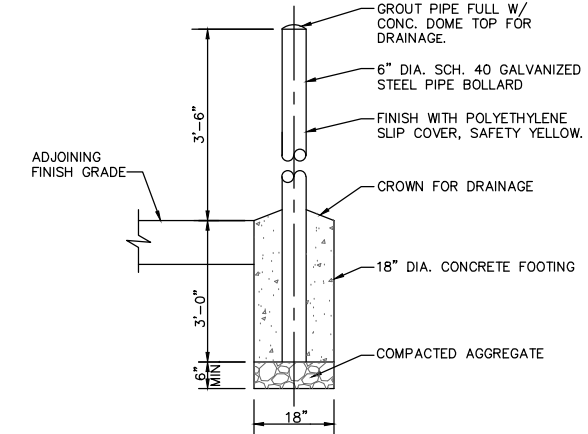
ADA (VAN ACCESSIBLE) PARKING SIGN DETAIL
N.T.S.



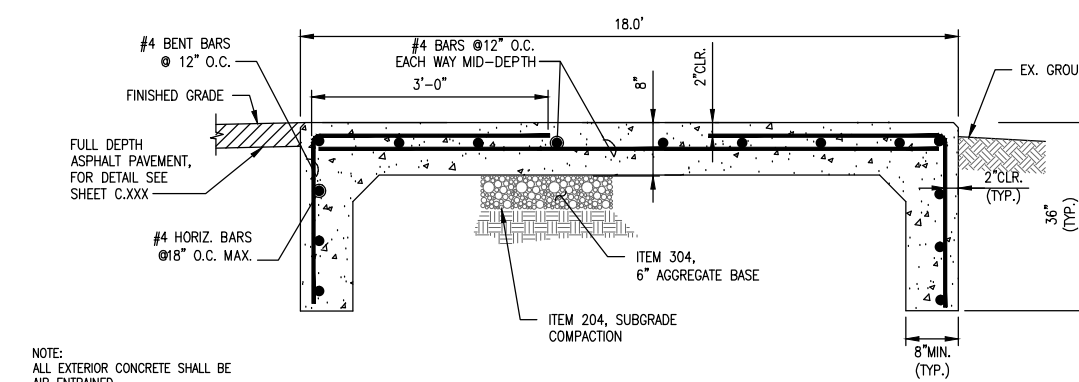
CURB, TYPE 6
N.T.S.



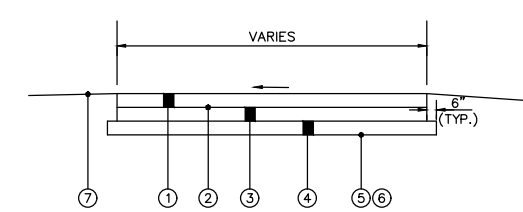
CONCRETE WALK
N.T.S.



BOLLARD
N.T.S.



REINFORCED CONCRETE PAD FOR DUMPSTER
SECTION F-F
N.T.S.



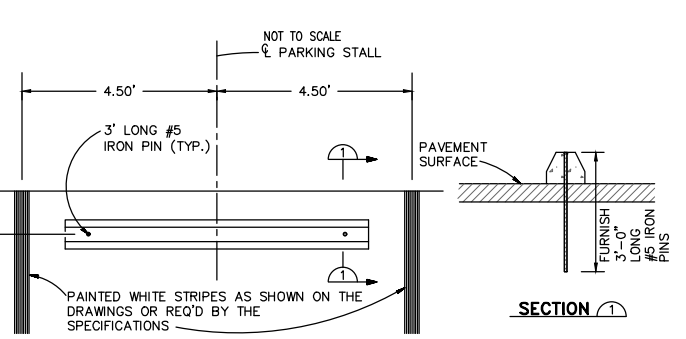
TYPICAL SECTION - ASPHALT PAVEMENT
N.T.S.

- ① ITEM 441, 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) PG 64-22
- ② ITEM 407, TACK COAT FOR INTERMEDIATE COURSE (APPLIED @ 0.05 GAL./SQ. YD.)
- ③ ITEM 441, 2.00" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ④ ITEM 304, 6" AGGREGATE BASE
- ⑤ ITEM 204, SUBGRADE COMPACTION
- ⑥ ITEM 204, PROOF ROLLING
- ⑦ ITEM 659, SEEDING AND MULCHING

NOTE:
CONTRACTOR SHALL SAW CUT PAVEMENT AS A NEAT LINE. EDGES SHALL BE FLUSH WITH EXISTING PAVEMENT WITH SEAL JOINT. VERIFY THE THICKNESS OF THE PAVEMENT, AND REPAIR AND RESTORE THE PAVEMENT TO THE ORIGINAL CONDITION.
ALL SURROUNDING DISTURBED LAWN AREA SHALL BE RE-GRADED AND RE-SEEDED TO MATCH EXISTING ADJACENT LAWNS.

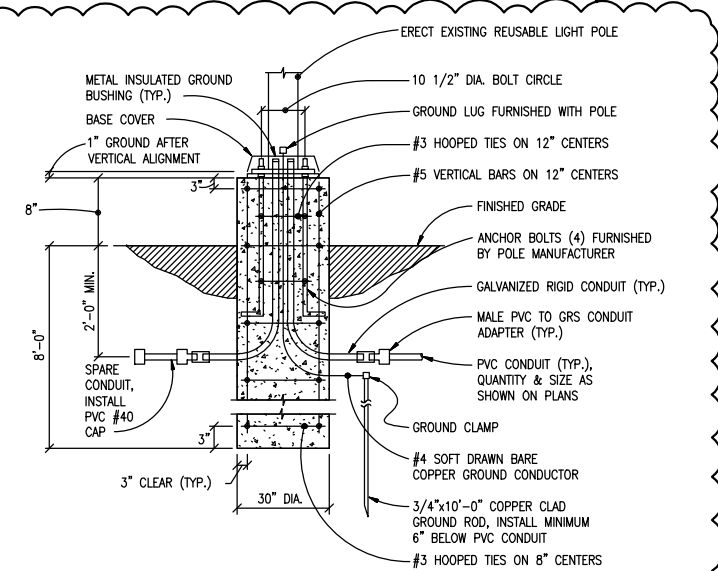
- #-ITEM 441, 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ITEM 441, 2.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
- ITEM 304, 6" AGGREGATE BASE
- ITEM 204, SUBGRADE COMPACTION

TYPICAL SECTION - NON-REINFORCED CONCRETE PAVEMENT
SECTION G-G
N.T.S.



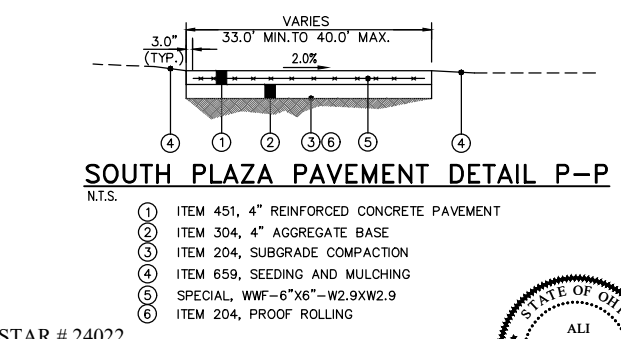
CONCRETE PARKING BLOCK DETAIL
N.T.S.

- NOTE:
- 1-CENTER LINE OF CONCRETE PARKING BLOCK SHALL BE PLACED MINIMUM OF 30" FROM END OF PARKING STALL OR OBSTRUCTION.
 - 2-IRONS PINS SHALL BE DRIVEN FLUSH TO THE TOP OF THE CONCRETE PARKING BLOCK AND PIN HOLES SHALL BE GROUTED UPON INSTALLATION.



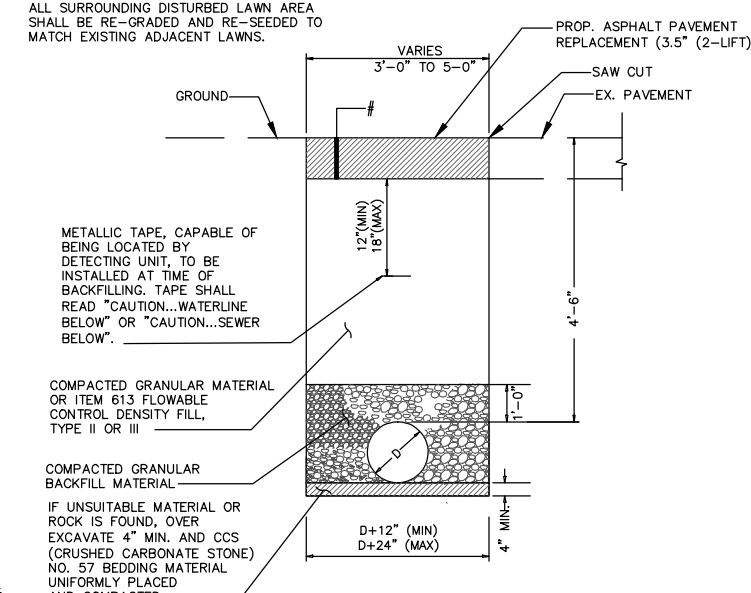
LIGHT POLE BASE DETAIL
N.T.S.

- NOTES:
- 1. INSTALL PER MANUFACTURER SPECIFICATIONS.
 - 2. CONCRETE TO BE 4000 PSI.



SOUTH PLAZA PAVEMENT DETAIL P-P
N.T.S.

- ① ITEM 451, 4" REINFORCED CONCRETE PAVEMENT
- ② ITEM 304, 4" AGGREGATE BASE
- ③ ITEM 204, SUBGRADE COMPACTION
- ④ ITEM 659, SEEDING AND MULCHING
- ⑤ SPECIAL, WWF-6"x6"-W2.9XW2.9
- ⑥ ITEM 204, PROOF ROLLING



TYPICAL TRENCH DETAIL FOR THE 6" WATERLINE
N.T.S.

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STATE OF OHIO
ALI ALGHOOTHANI
REGISTERED PROFESSIONAL ENGINEER
E-57345

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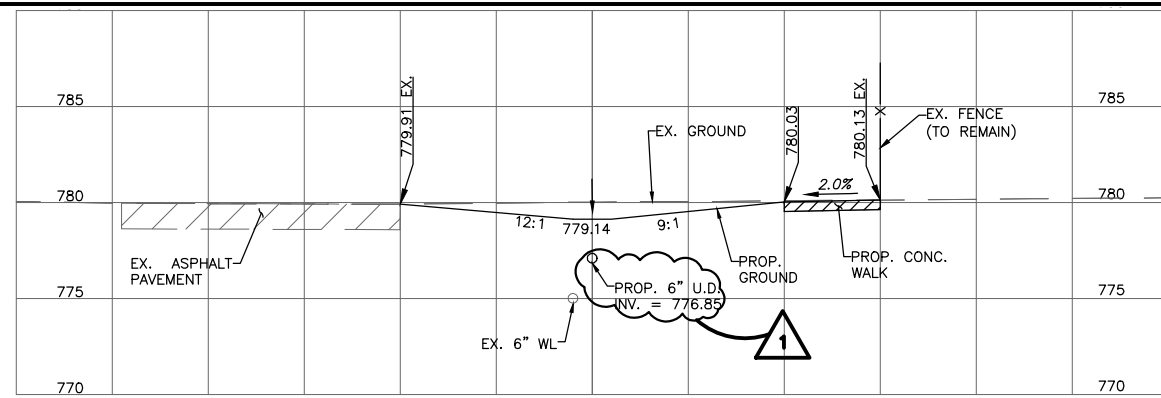
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NASHPORT, OHIO 43830

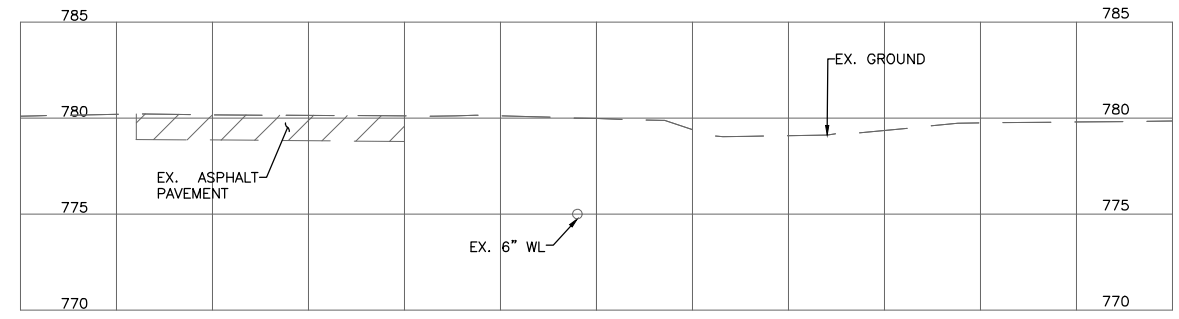
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DETAILS

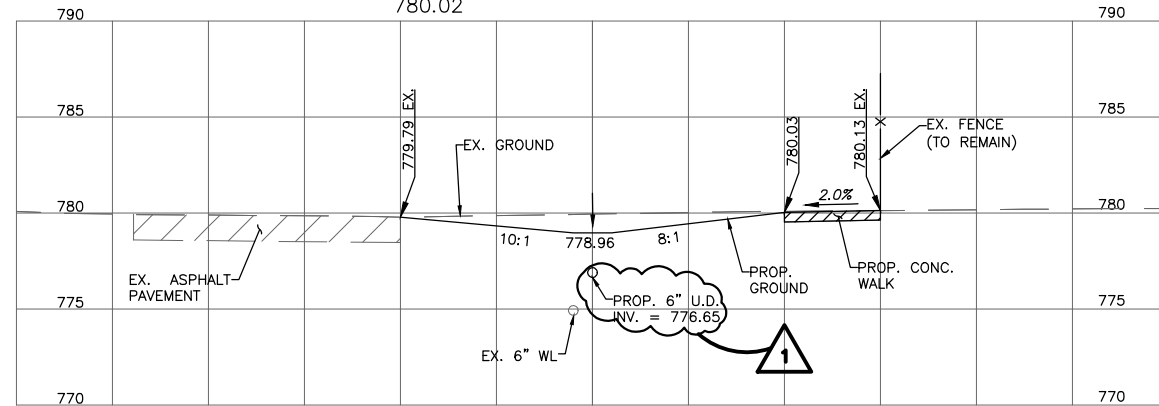
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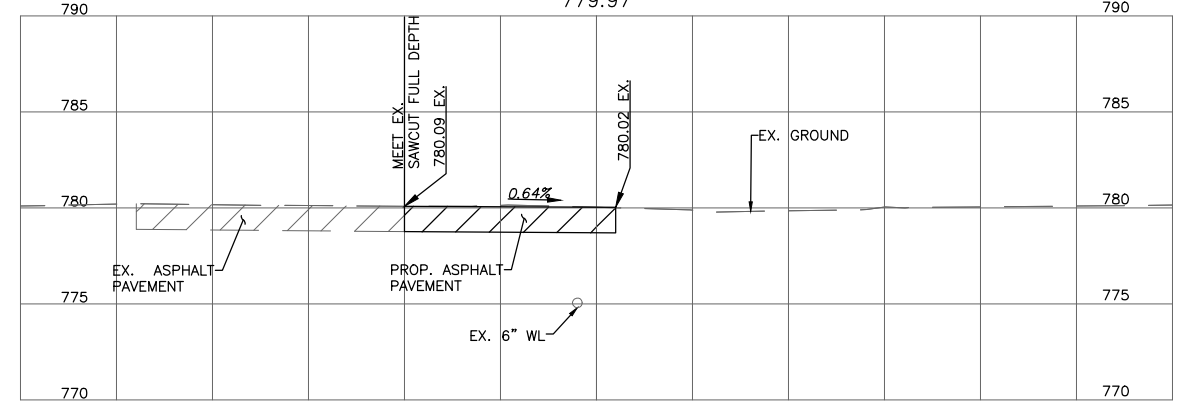
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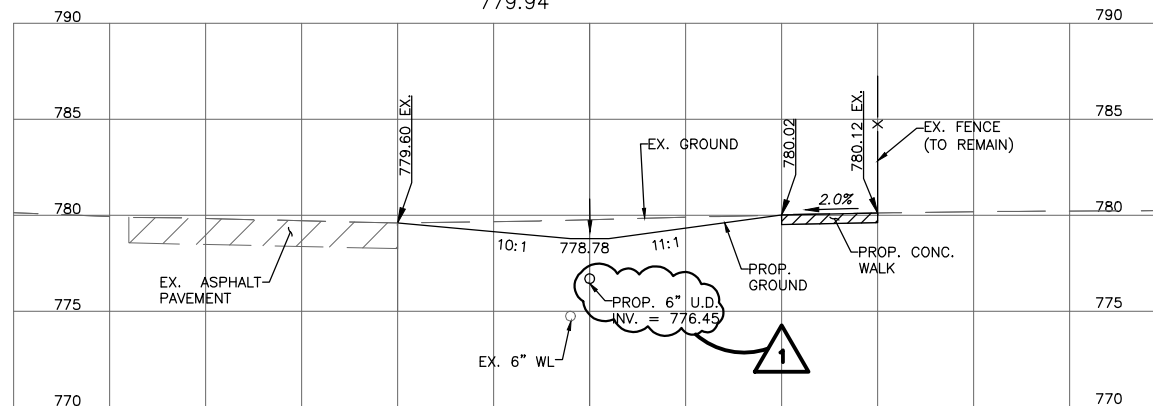
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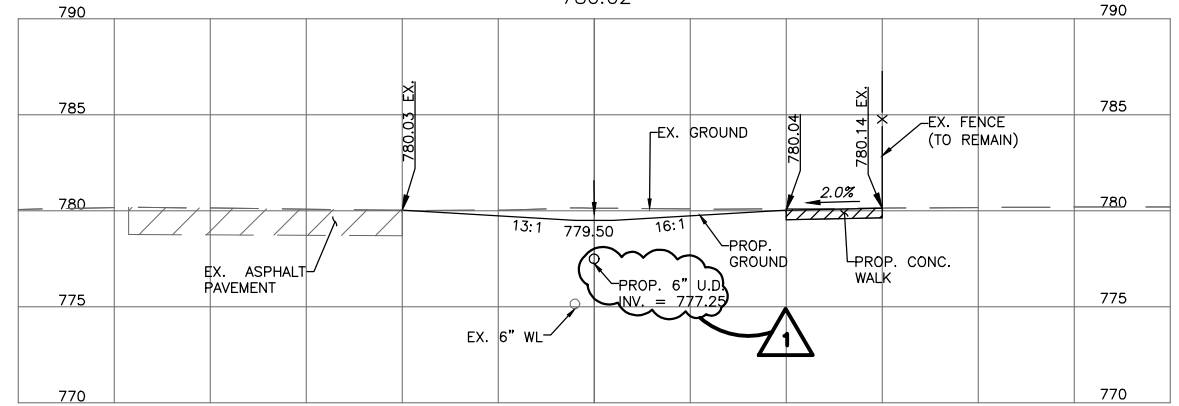
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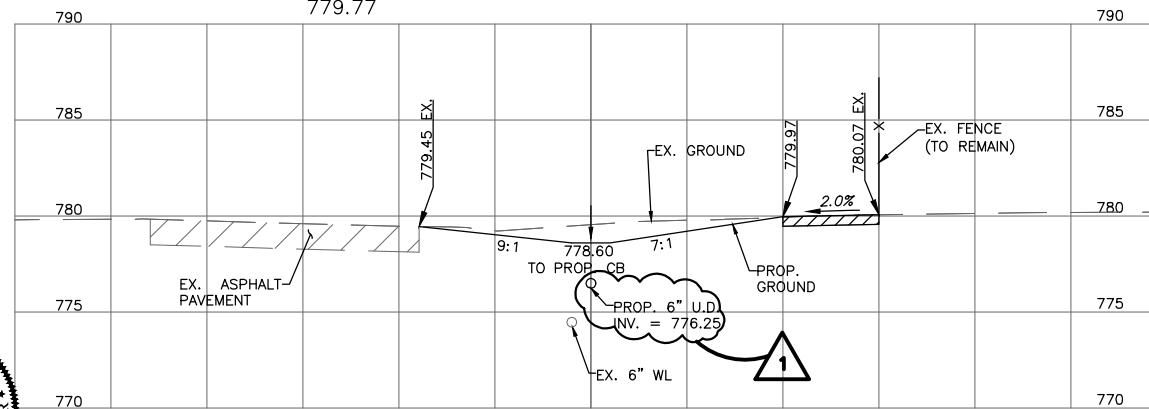
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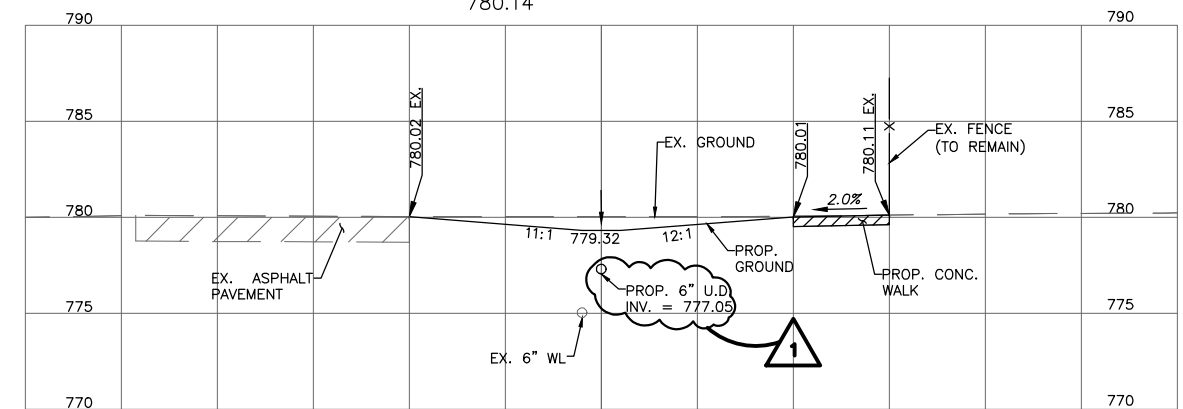
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779.77



779.50
11+00
780.14



778.60
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779.55



779.32
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780.03



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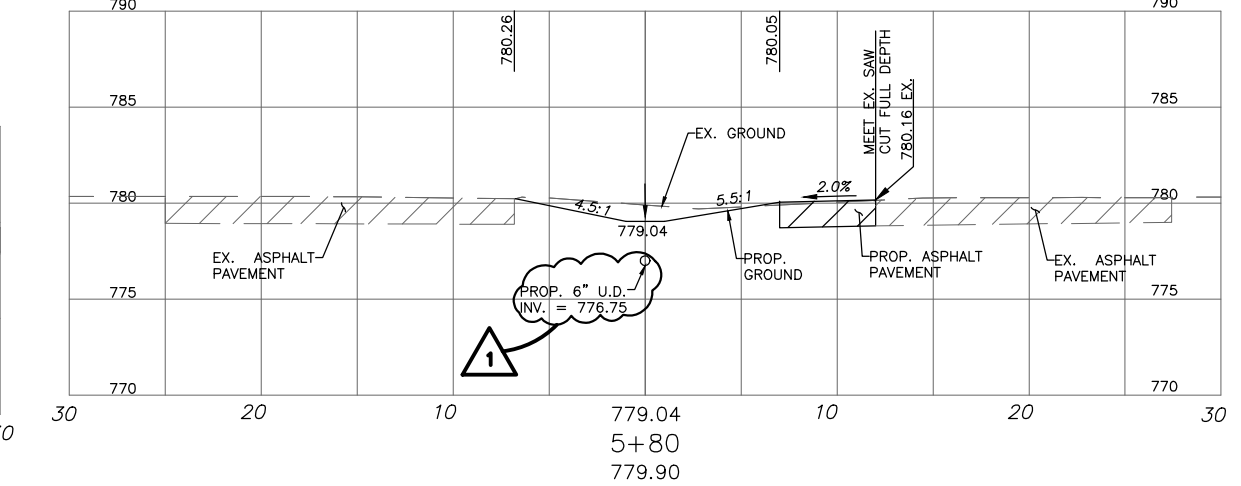
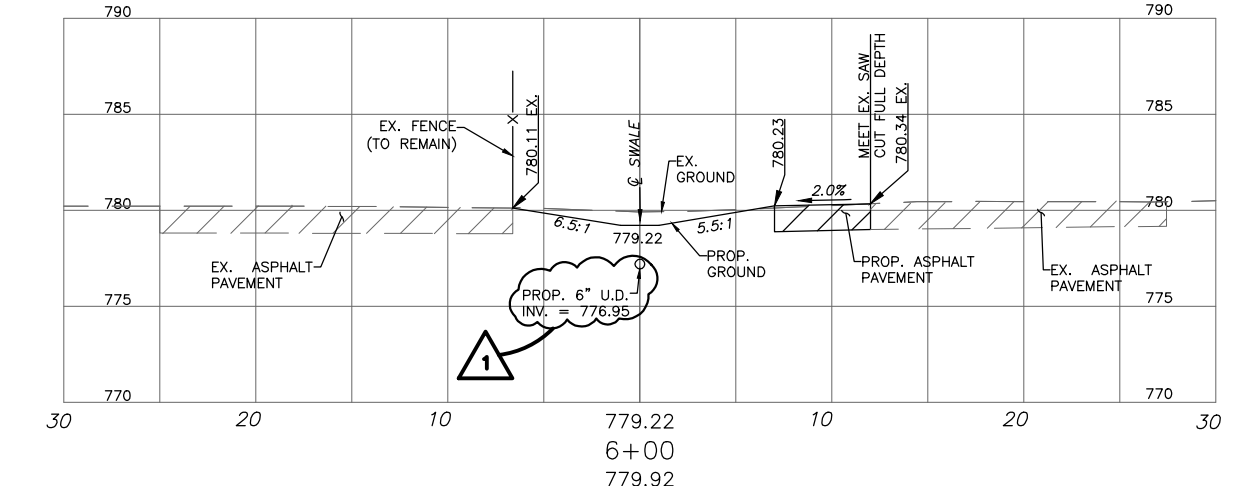
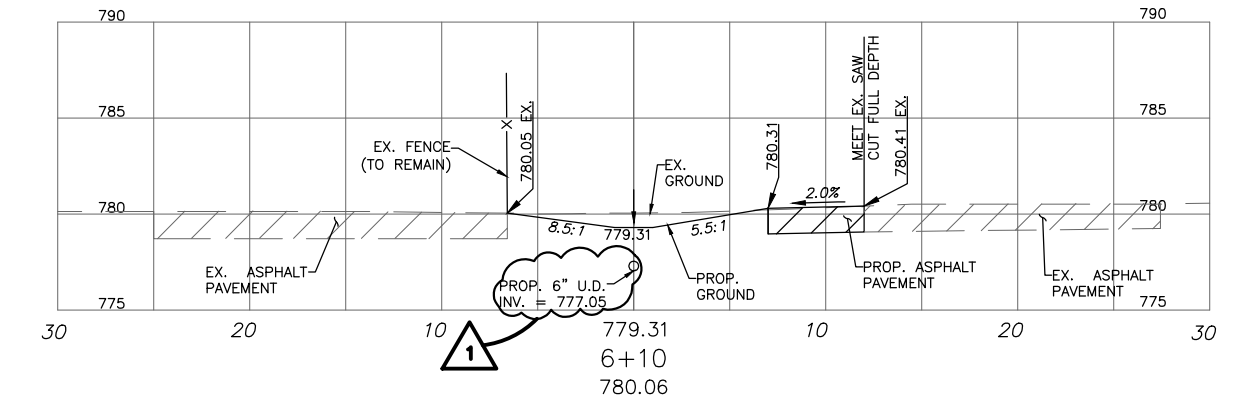
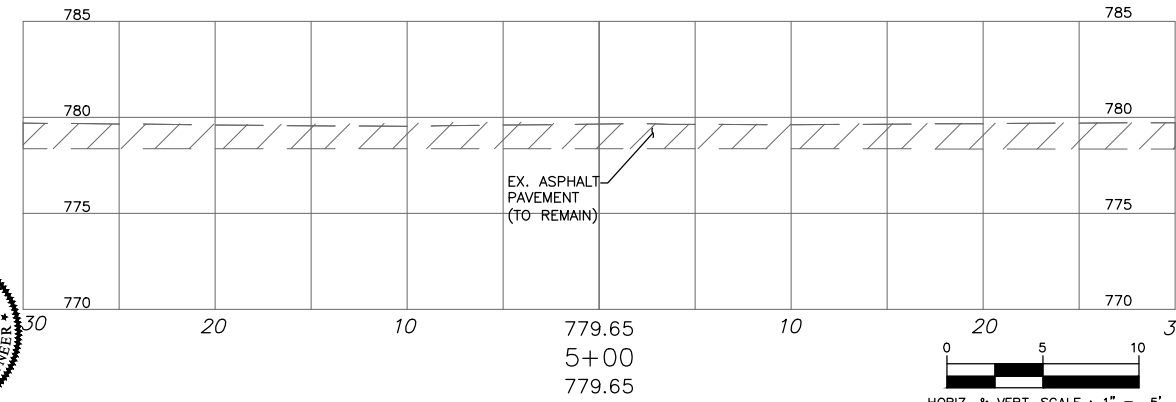
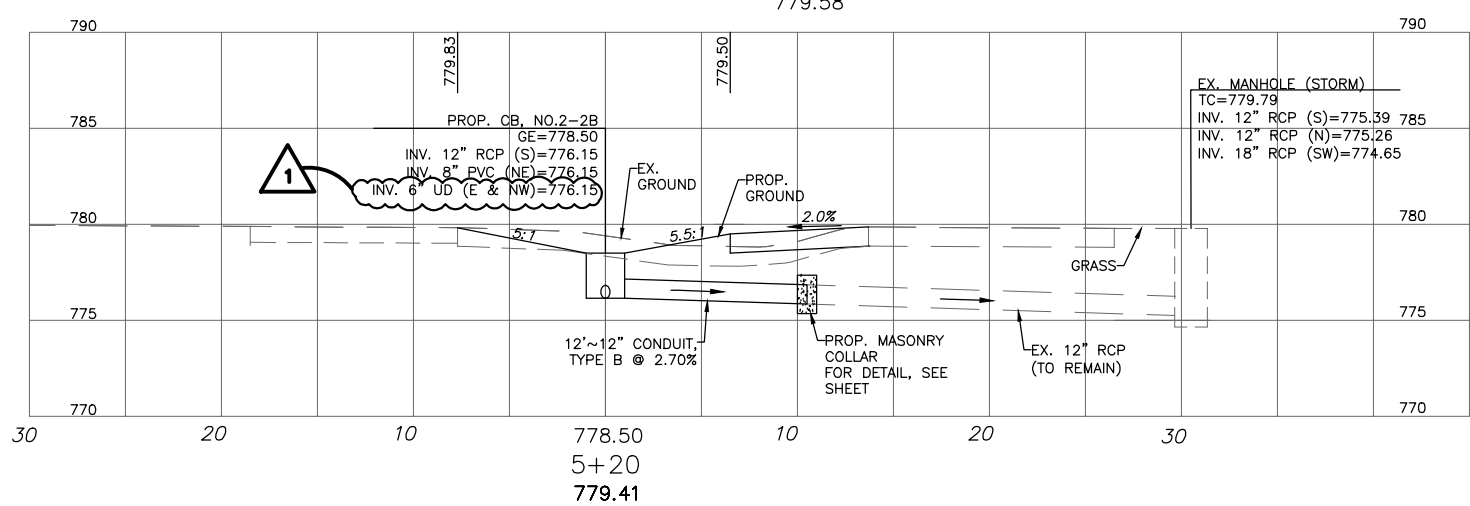
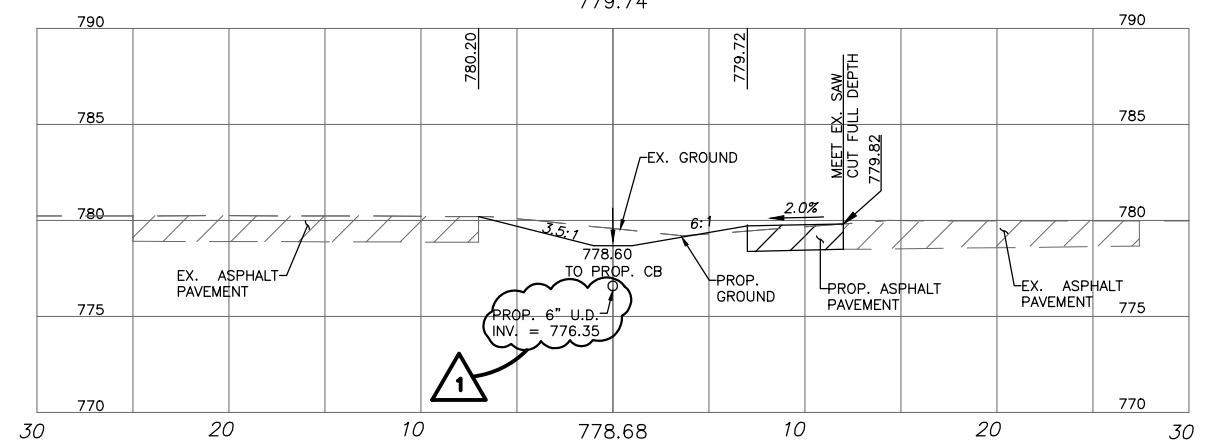
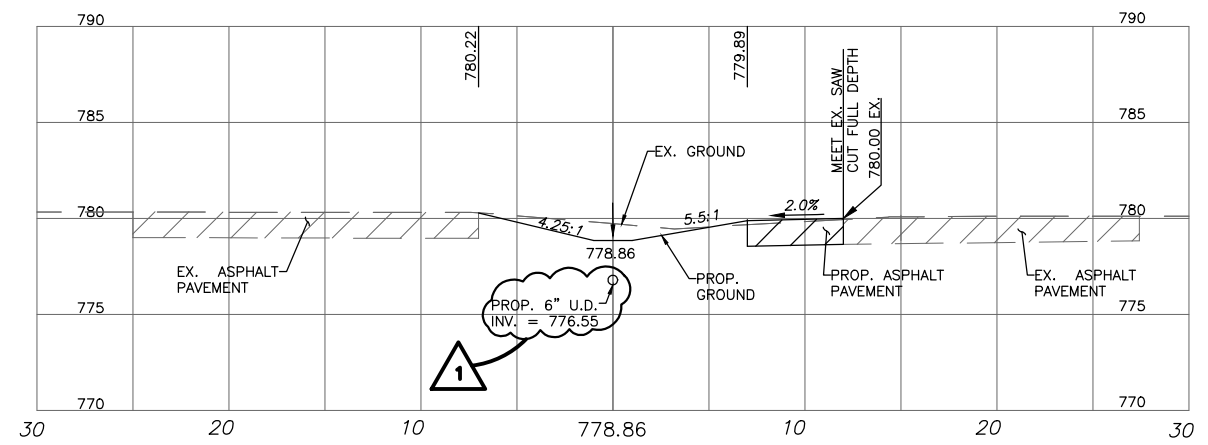
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BIO-RETENTION SWALE LINE "A"
CROSS SECTIONS

C.105





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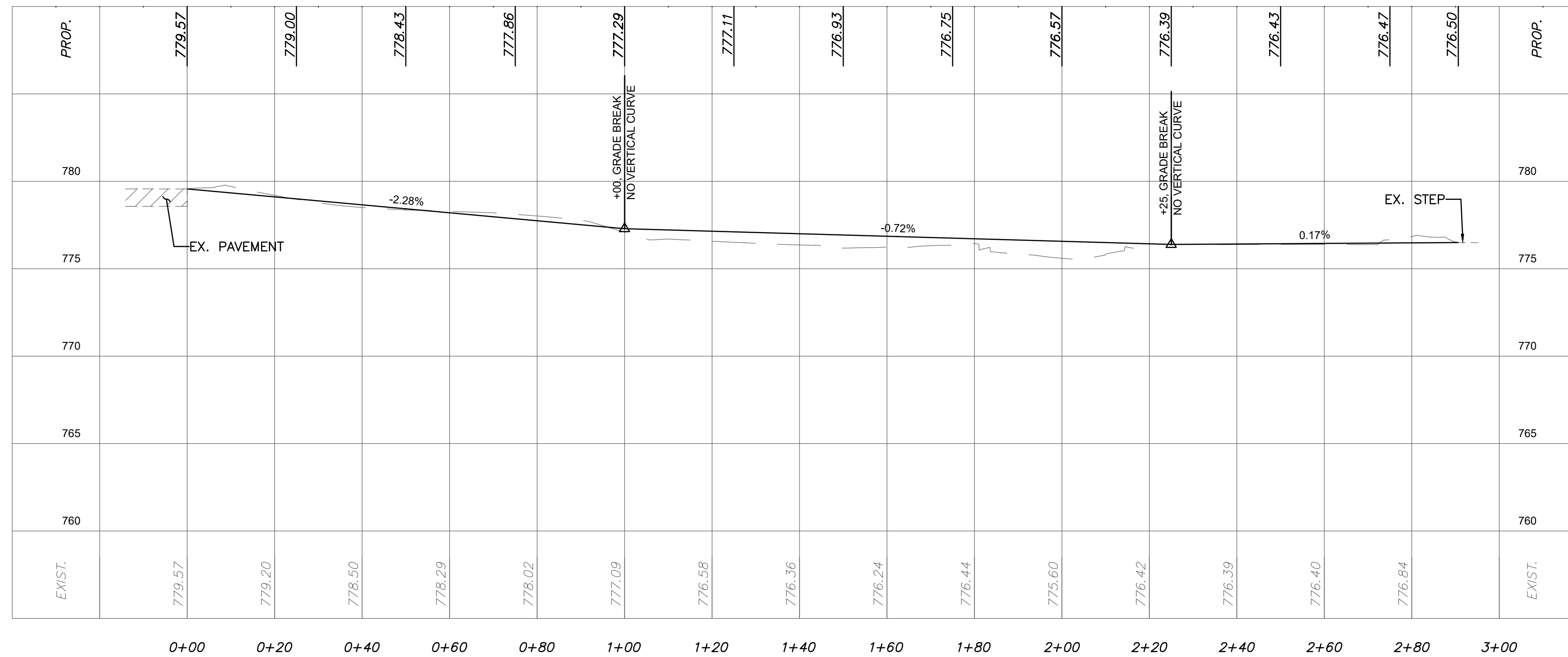
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BIO-RETENTION SWALE LINE "B"
CROSS SECTIONS

C.106

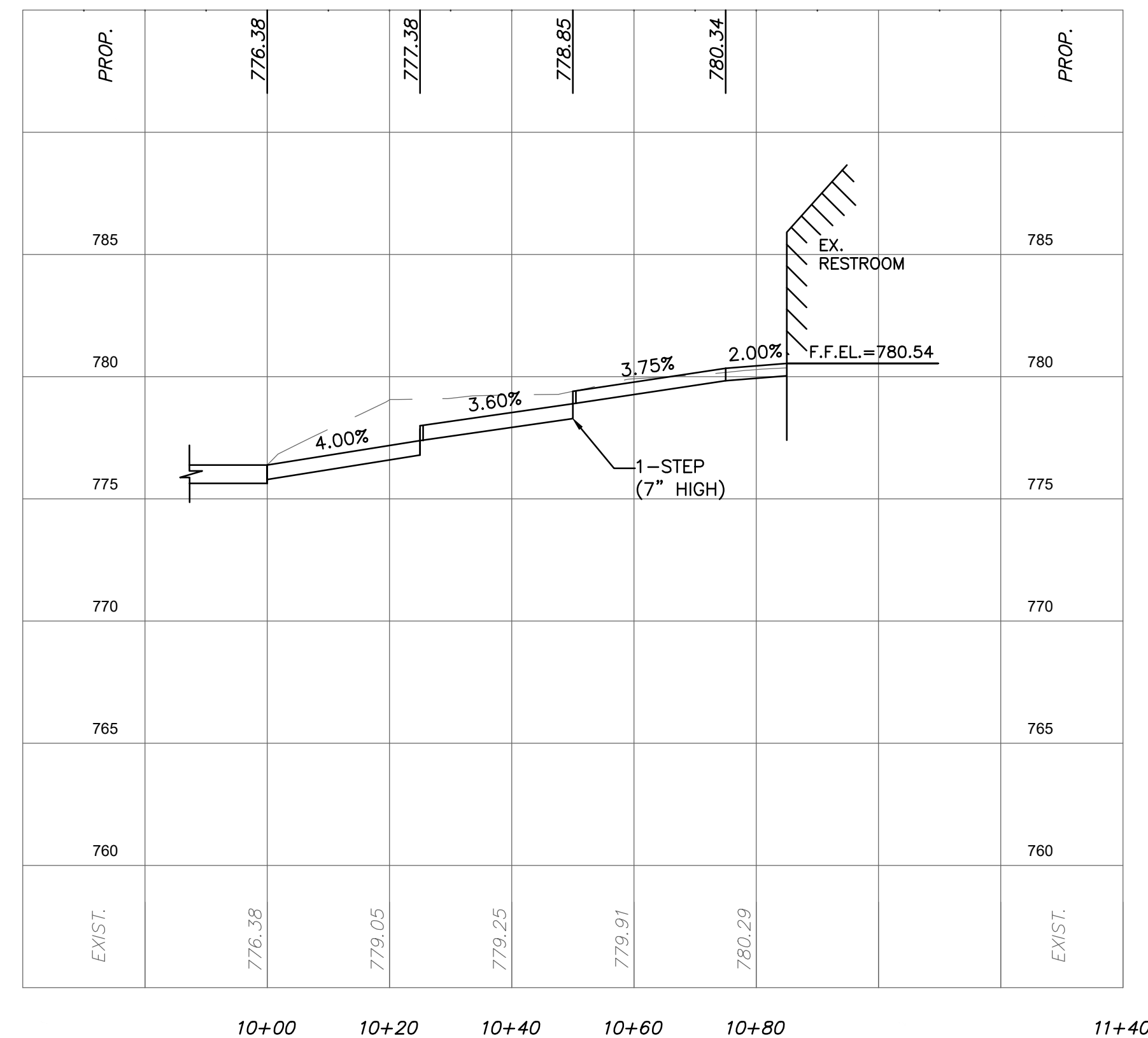
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HORIZ. & VERT. SCALE : 1" = 5'



PROP. SOUTH PLAZA AND ACCESS WALK A PROFILE

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



PROP. SOUTH PLAZA AND ACCESS WALK B PROFILE

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

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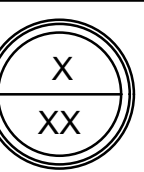
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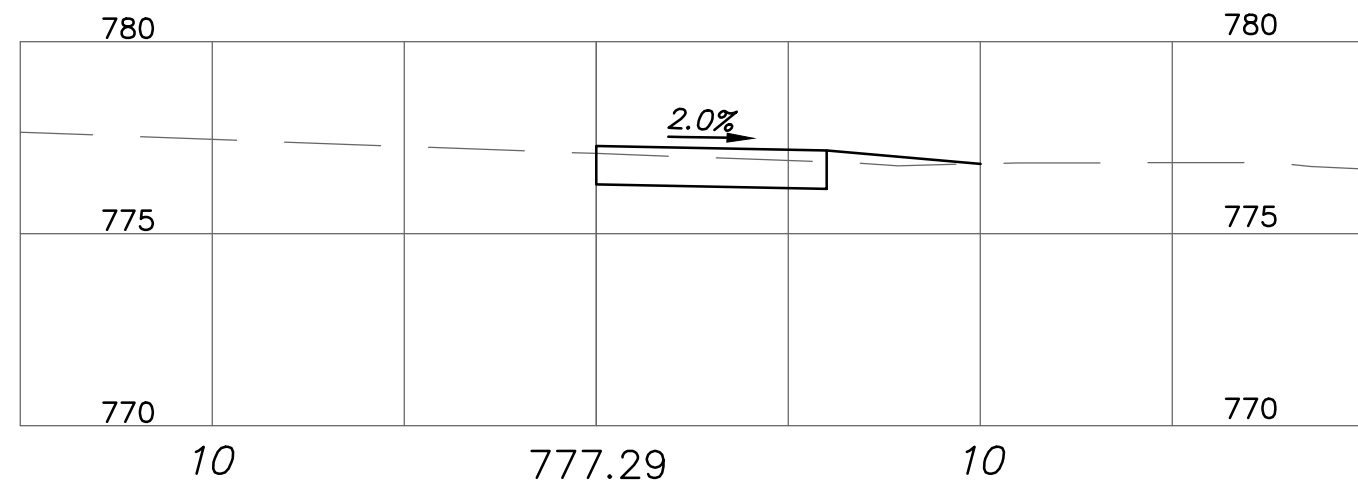
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APPROVED BY:	AMA	REVISED:	

SOUTH PLAZA AND ACCESS WALK PROFILE

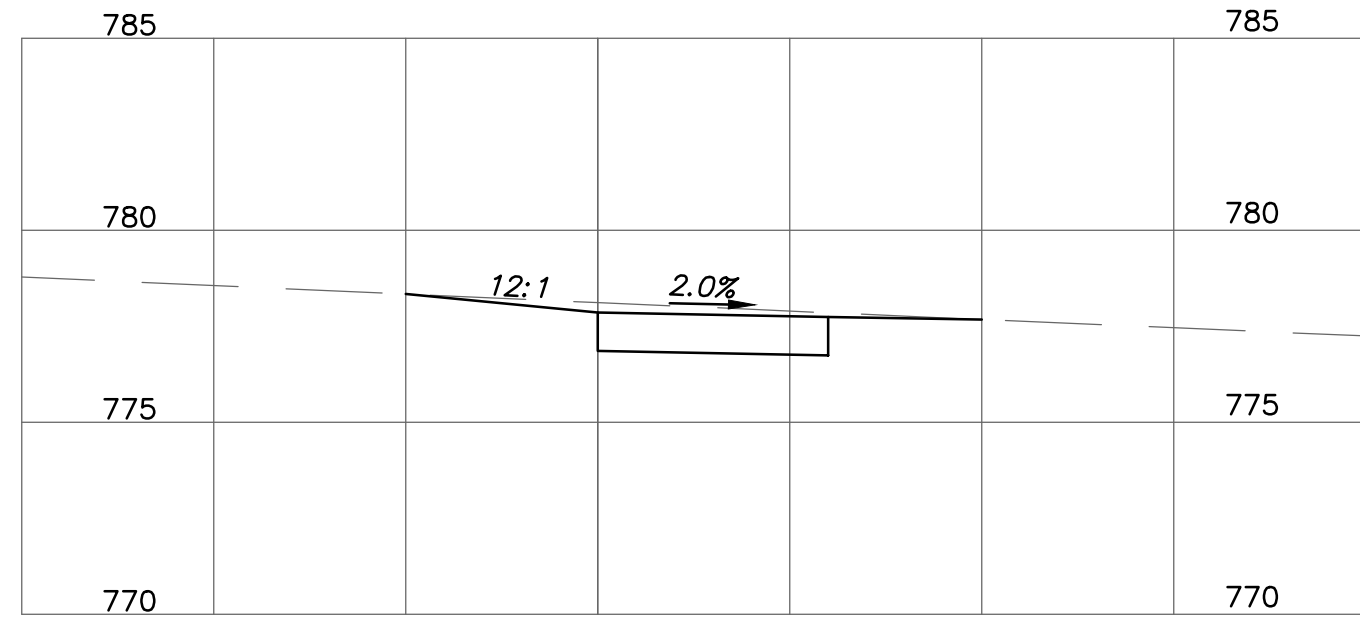
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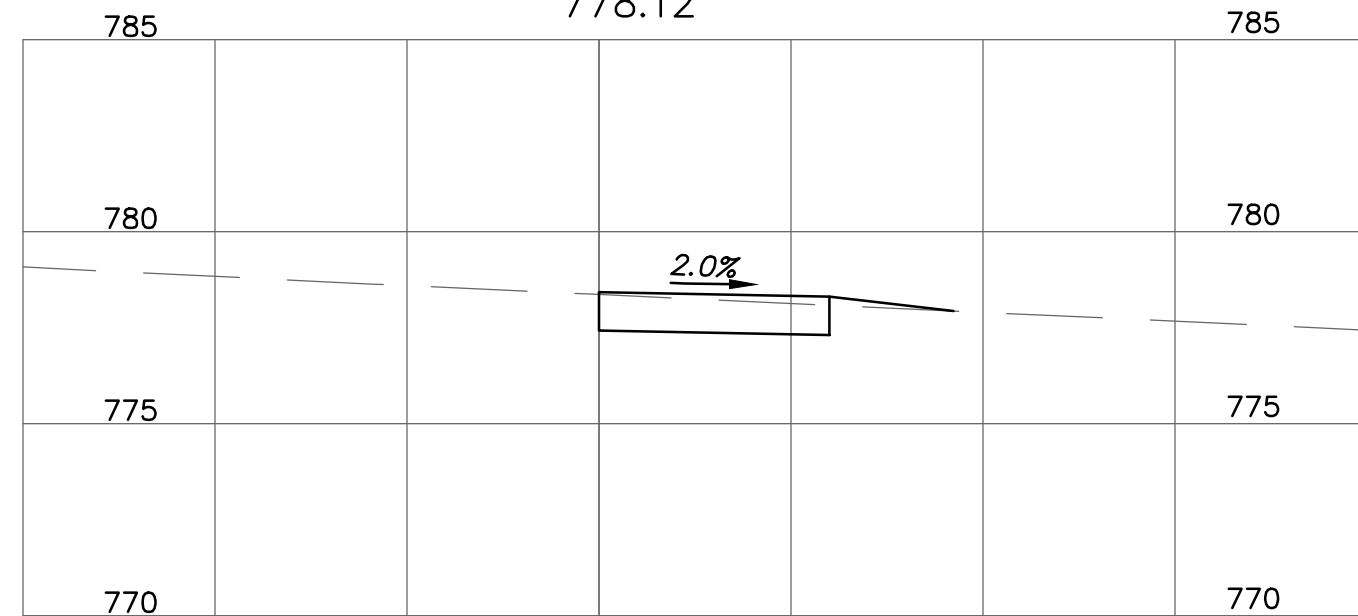
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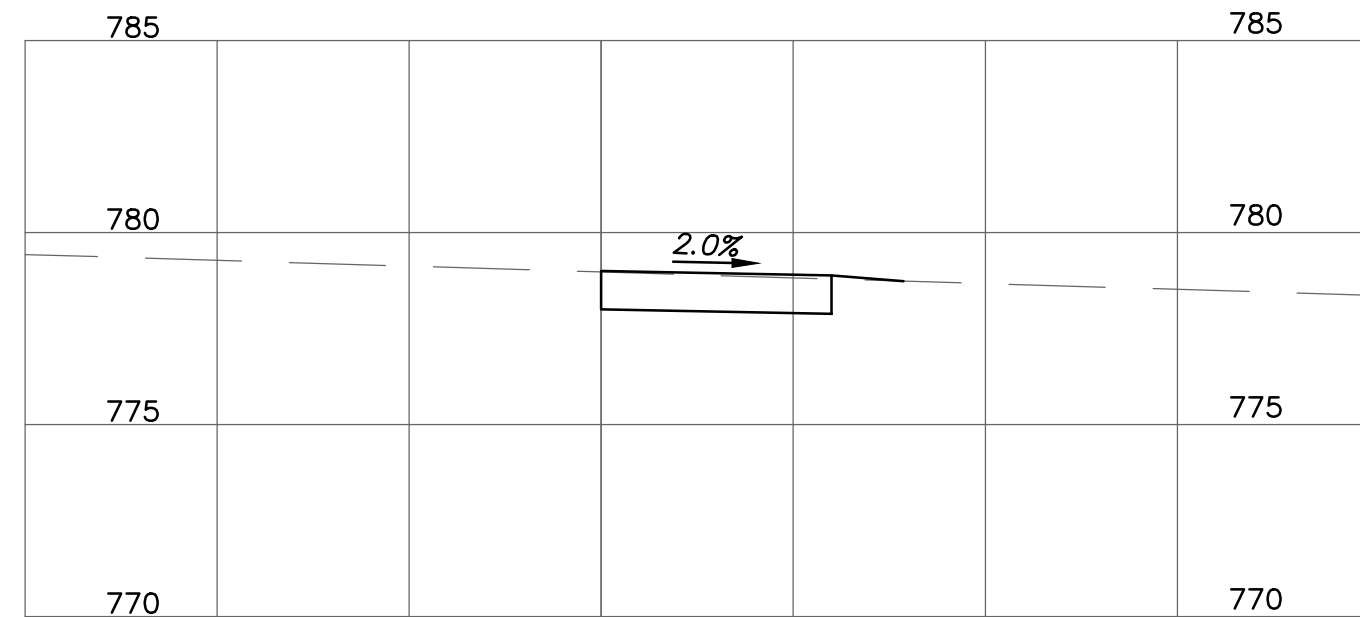
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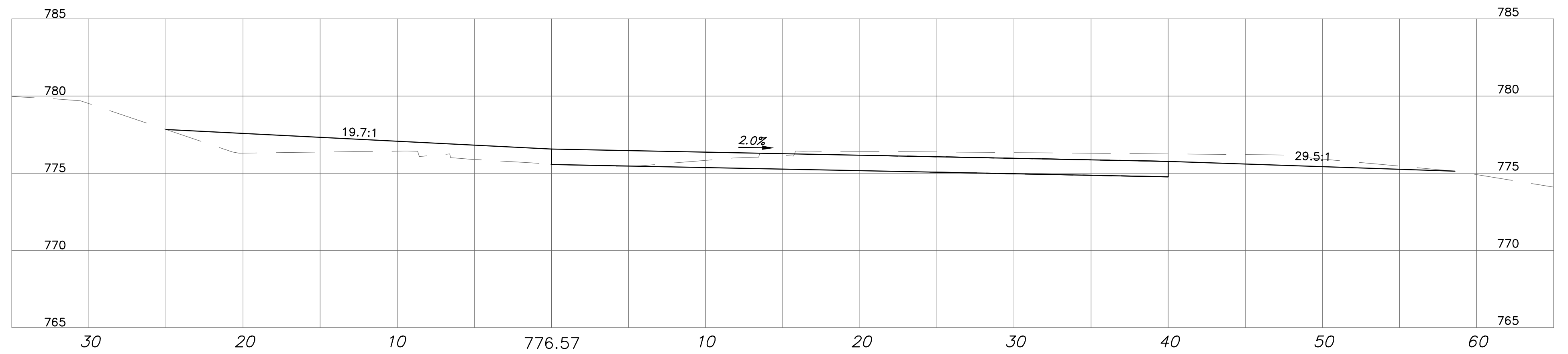
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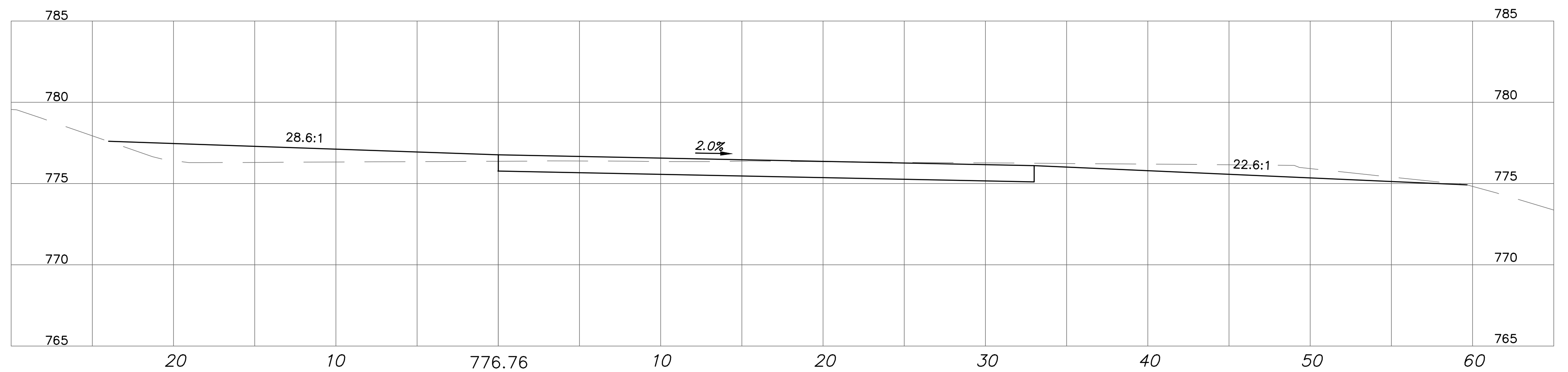
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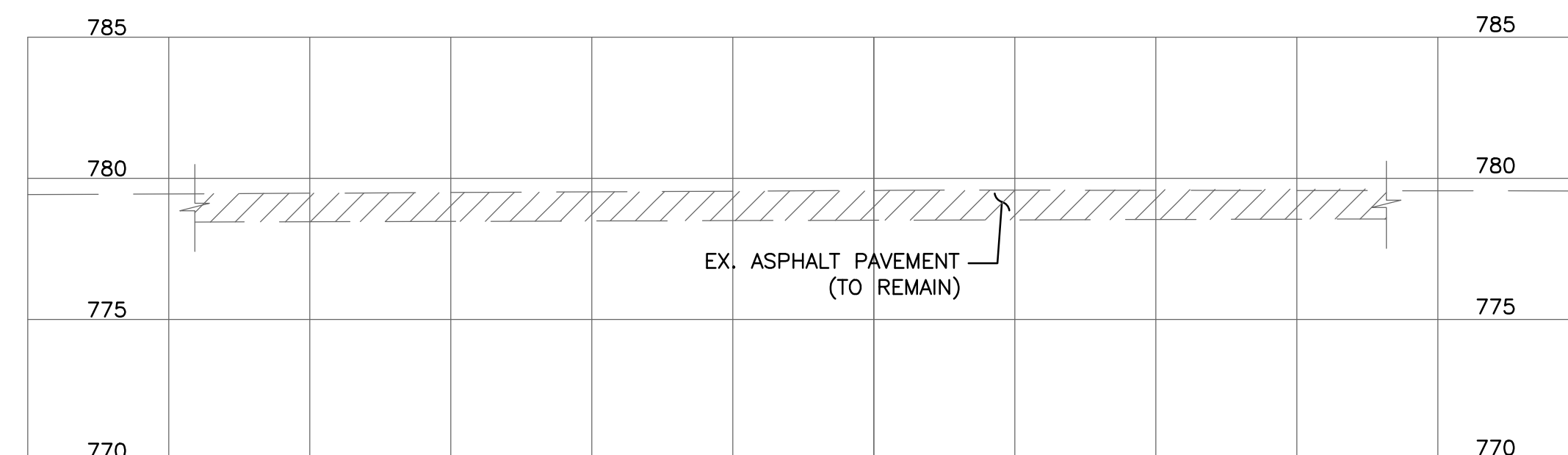
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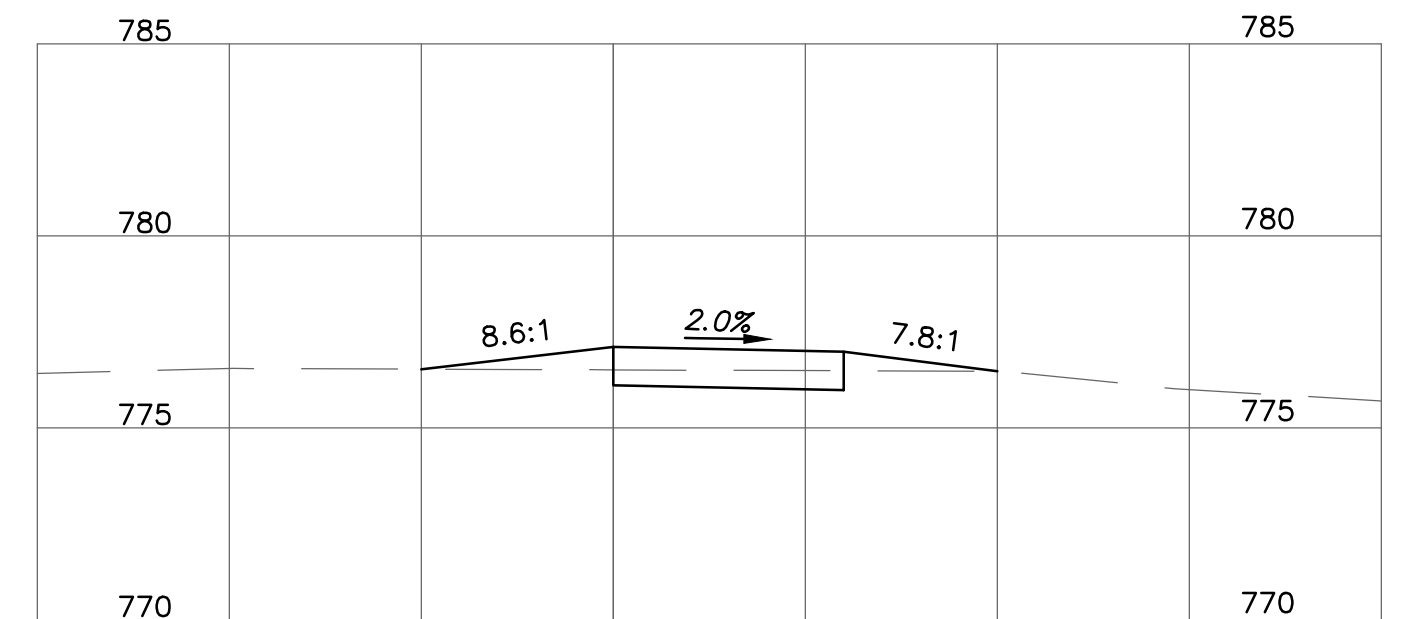
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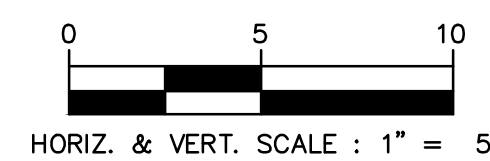
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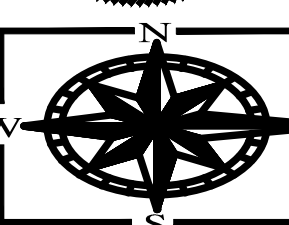


777.11
1+25
776.51



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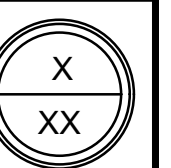
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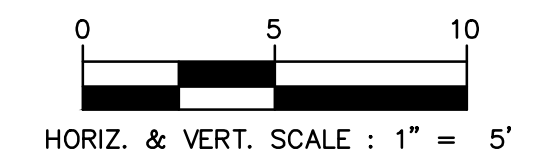
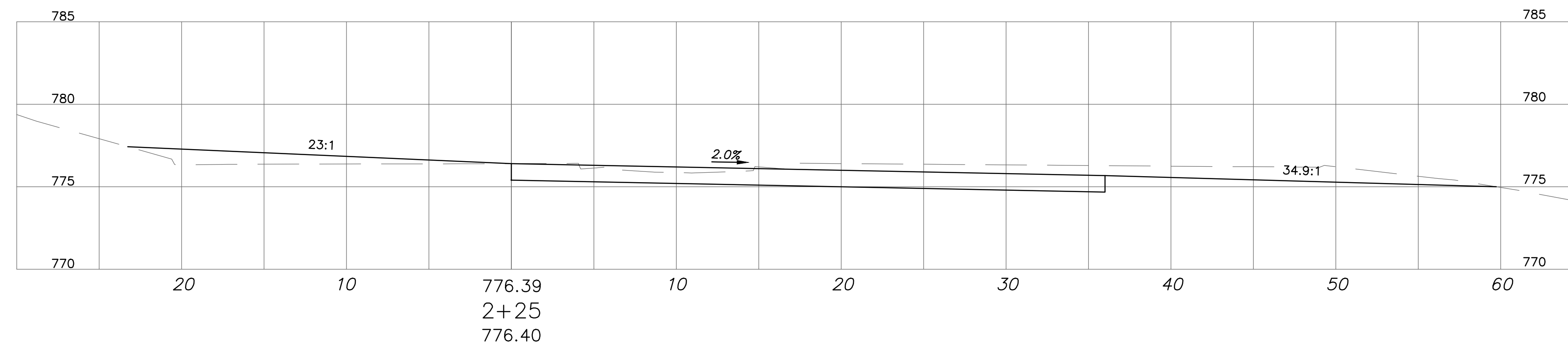
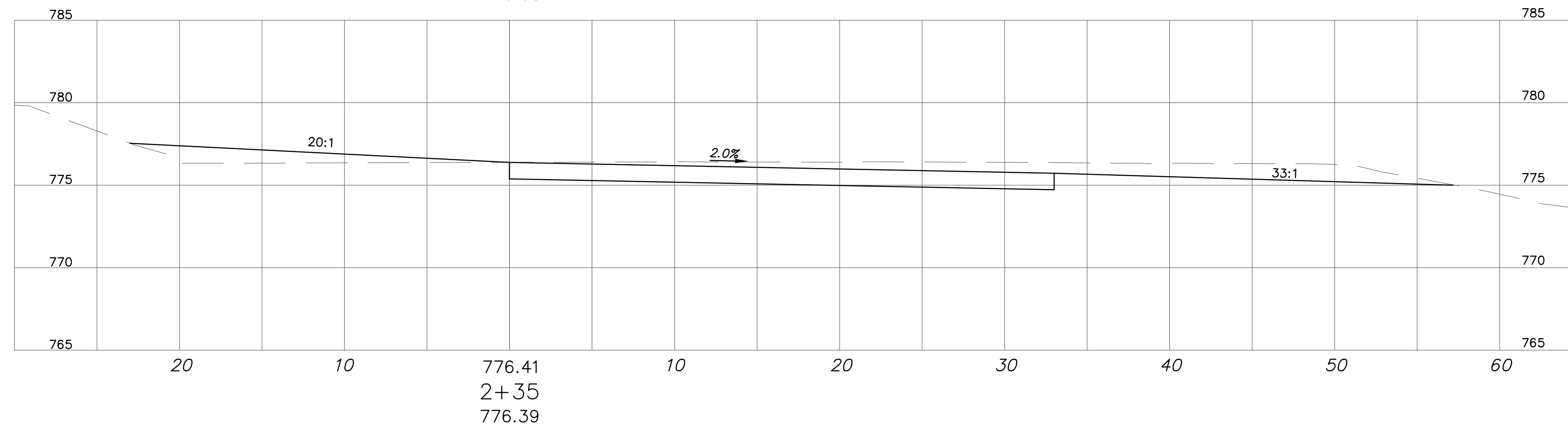
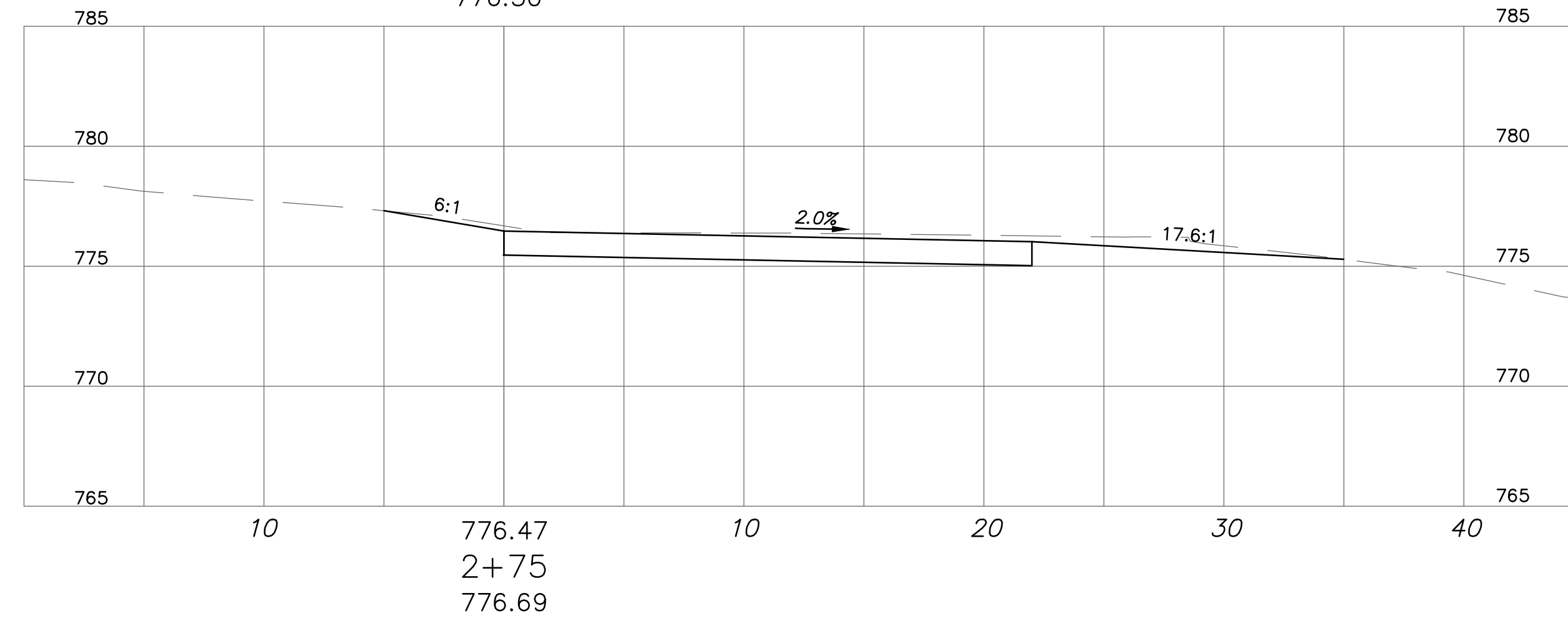
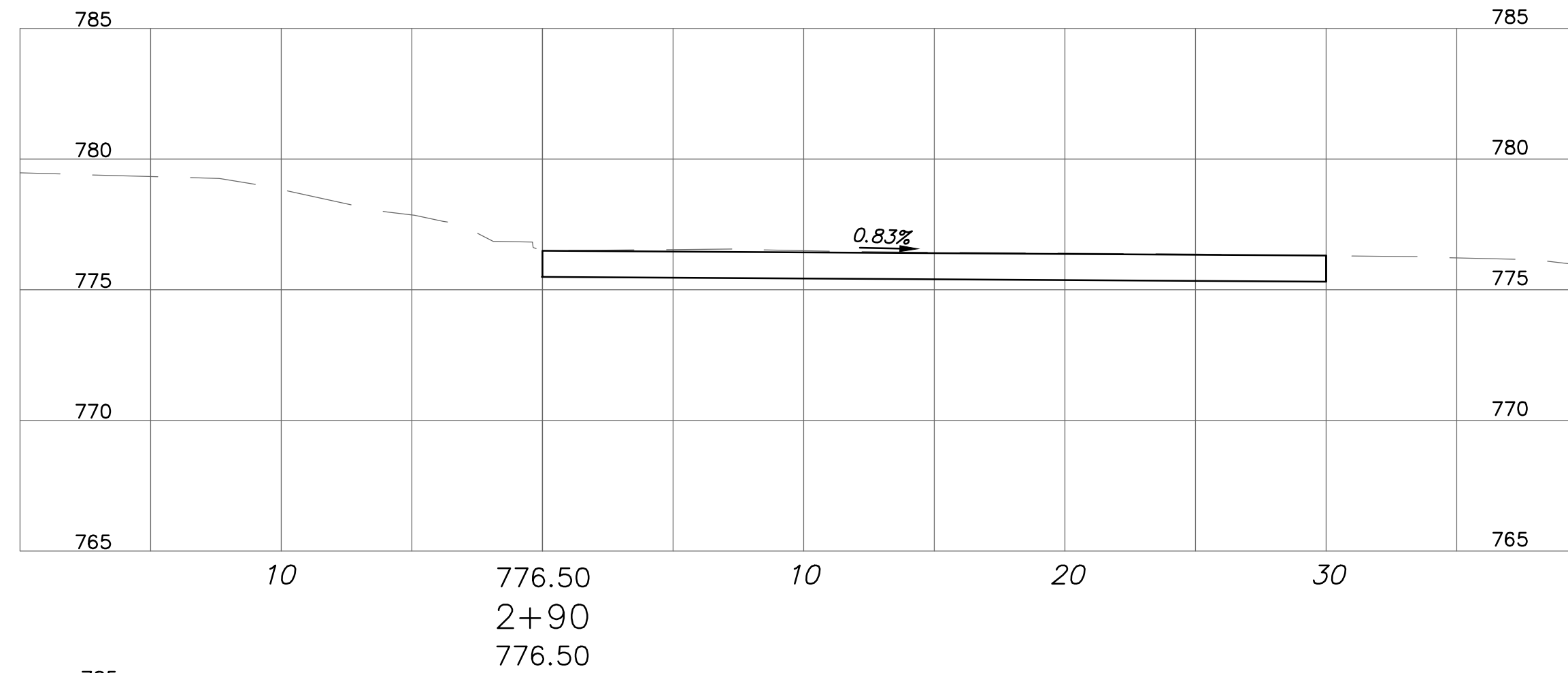
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SOUTH PLAZA CROSS SECTIONS

C.108



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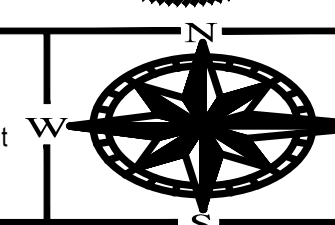


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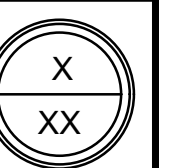
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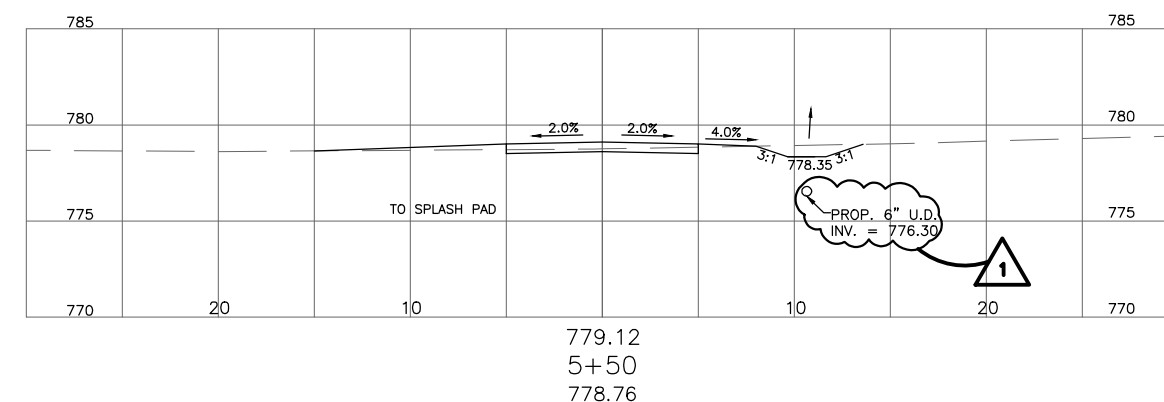
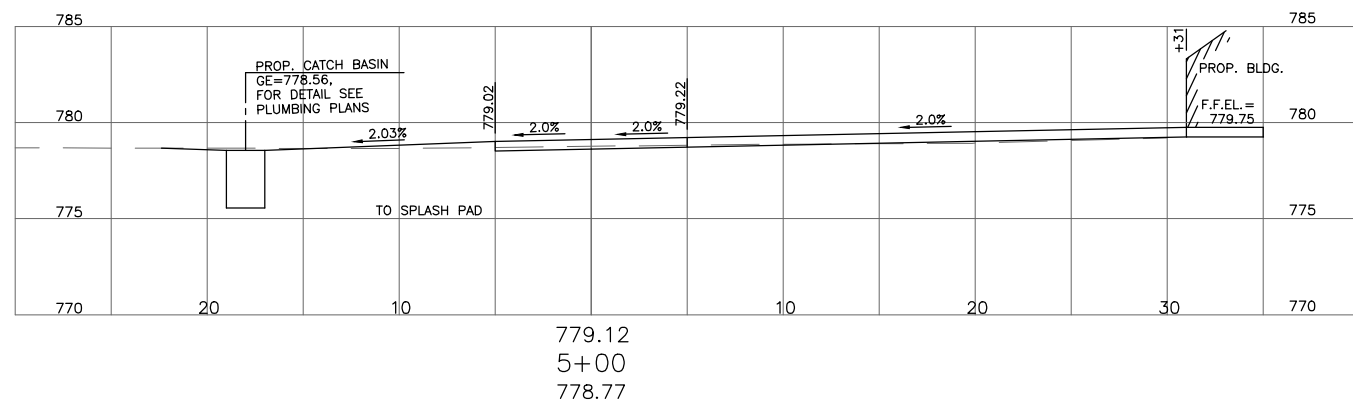
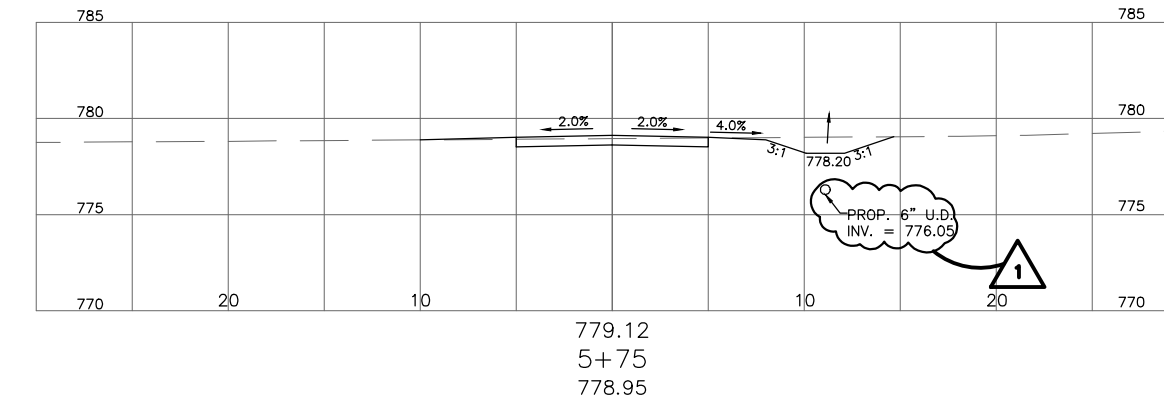
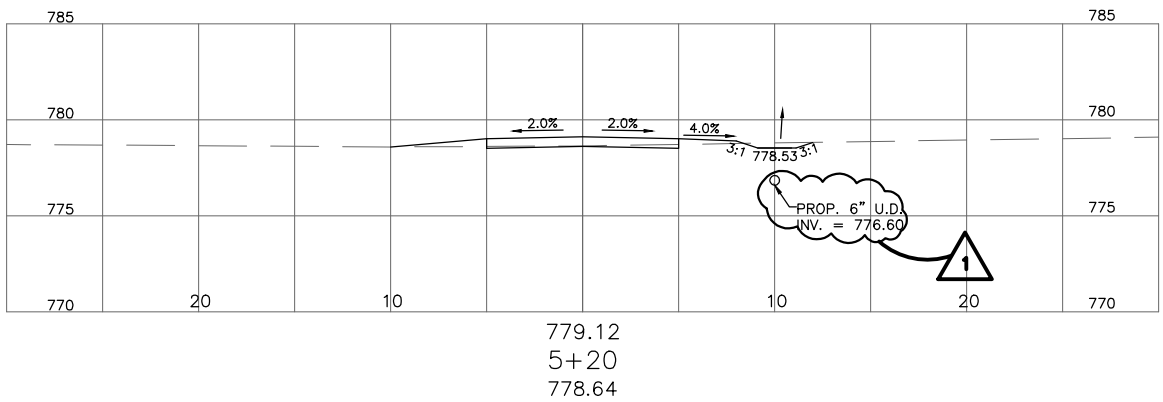
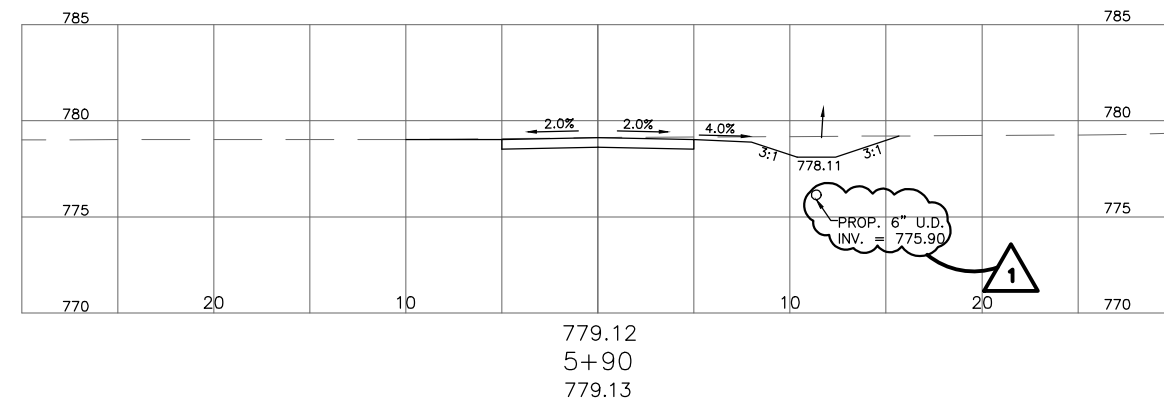
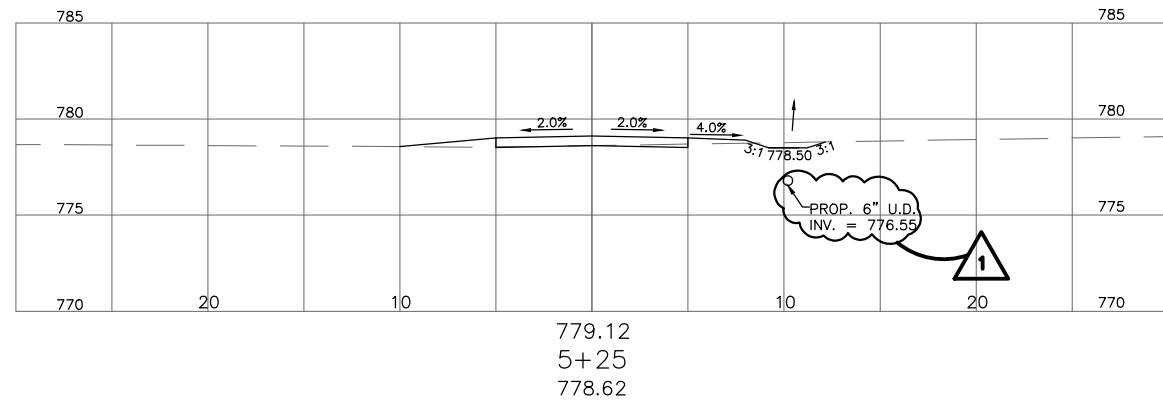
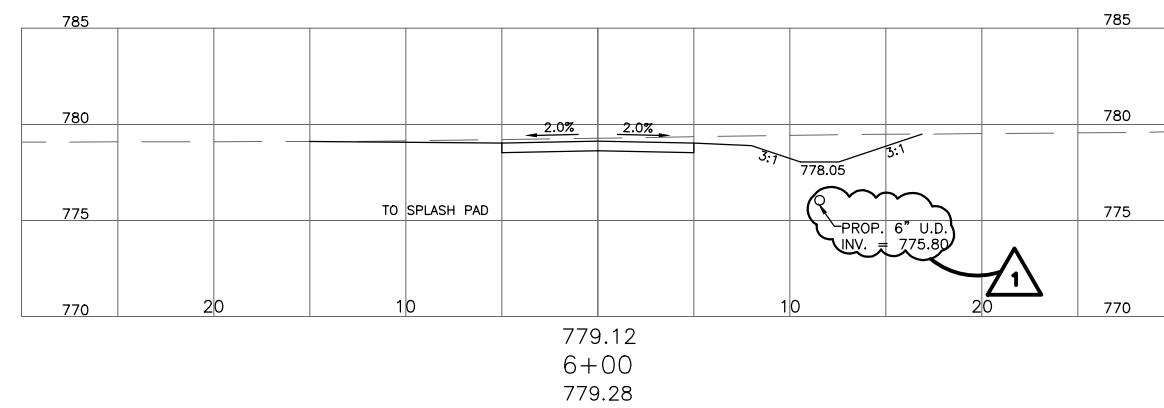
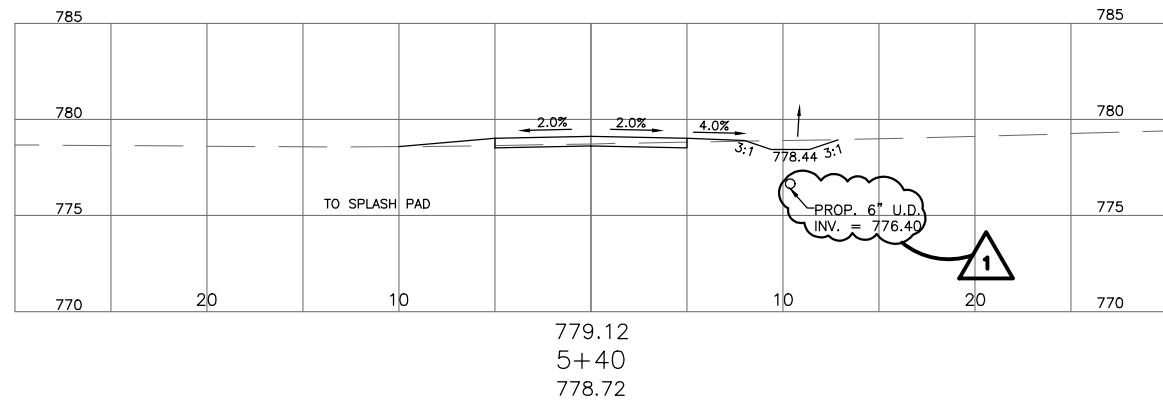
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SOUTH PLAZA CROSS SECTIONS

C.109

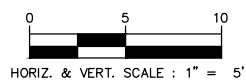




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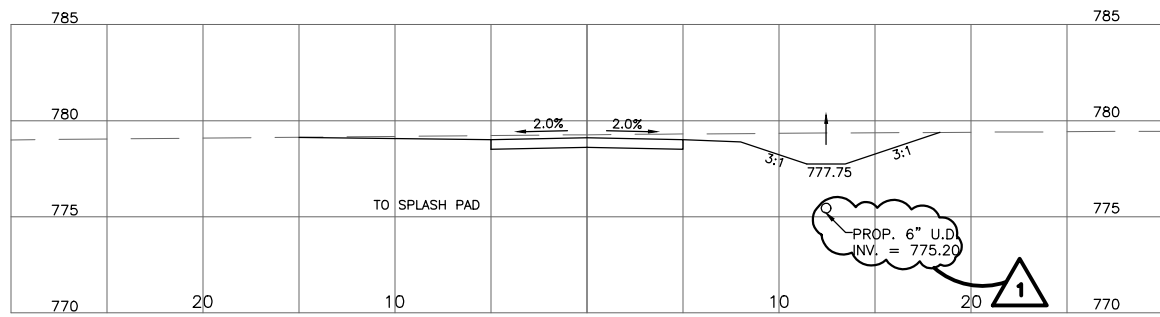
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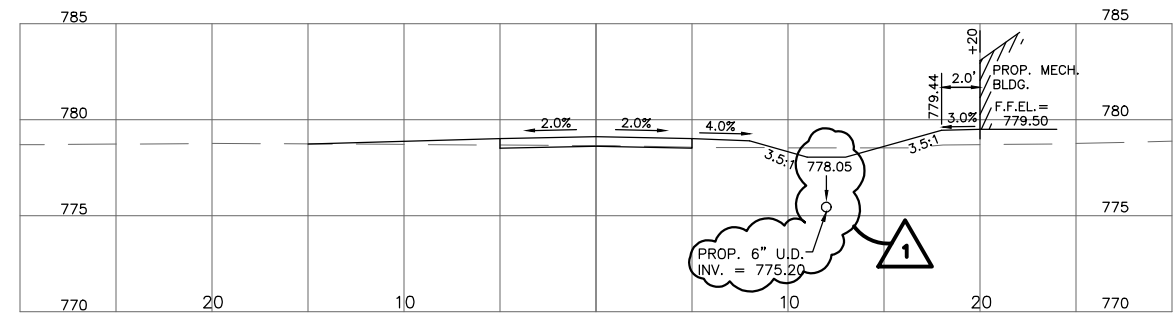
SPLASH PAD SWALE CROSS SECTIONS

C.110

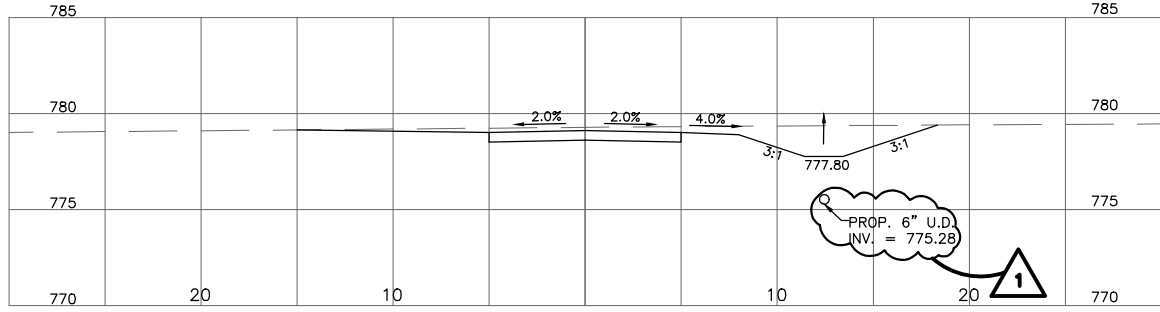




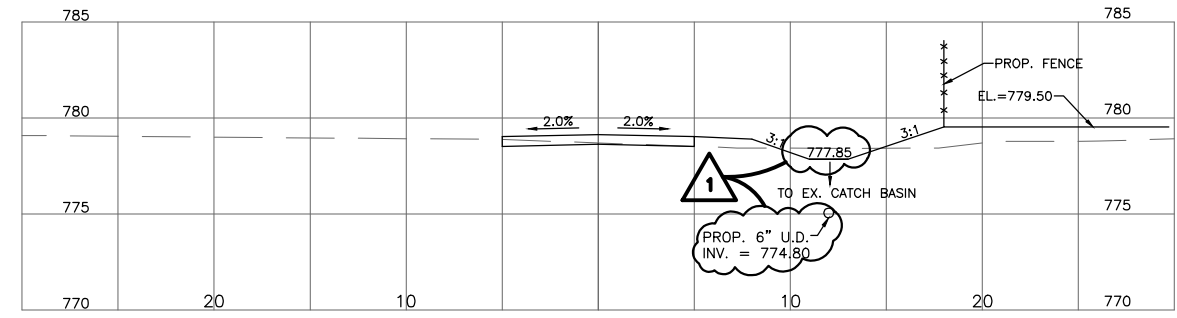
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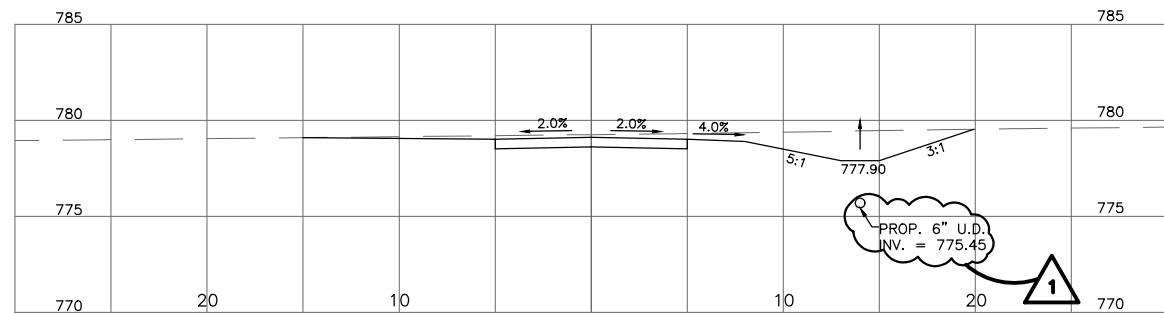
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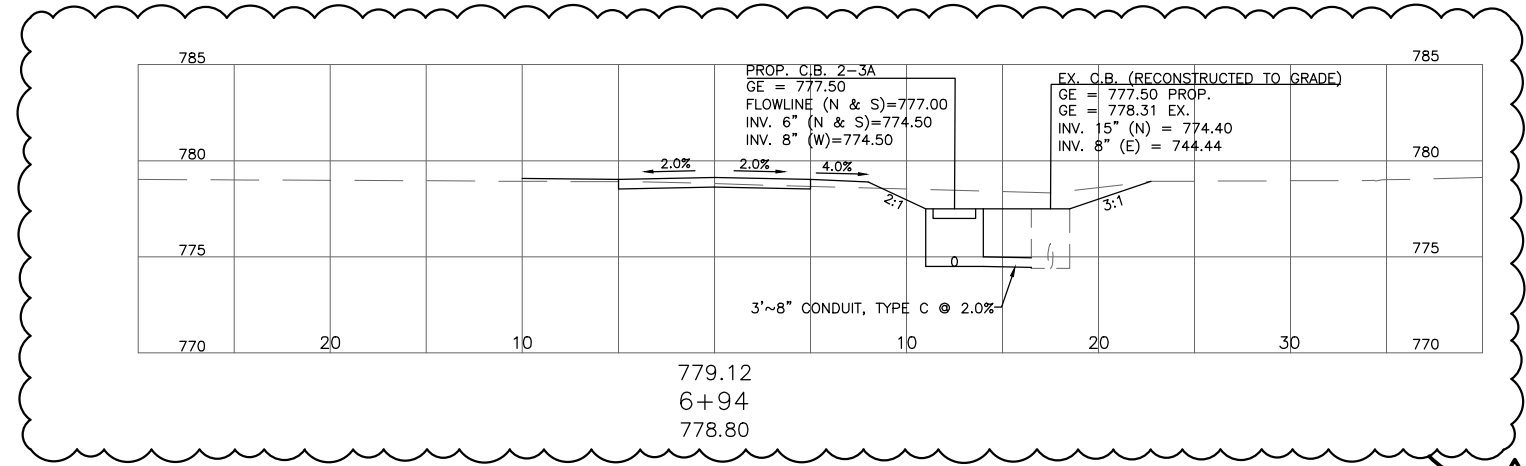
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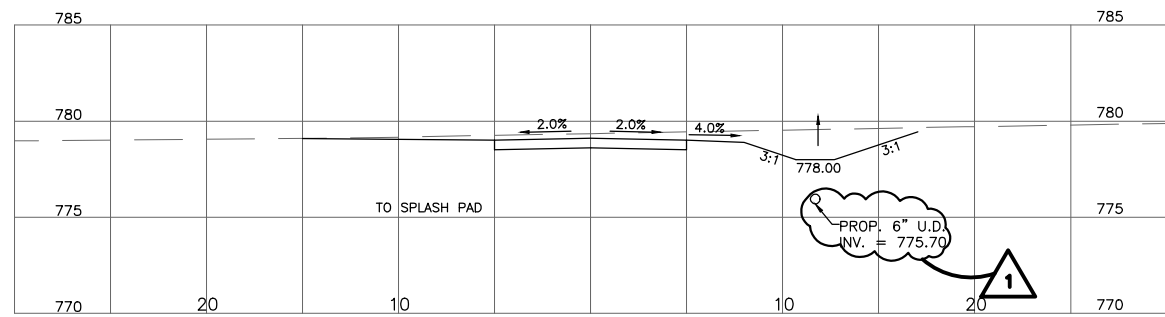
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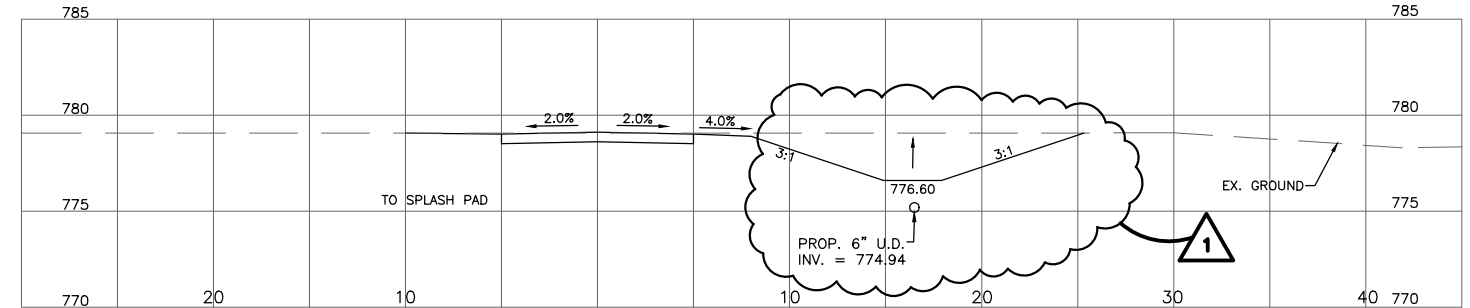
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779.12
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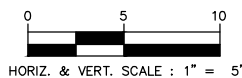


779.12
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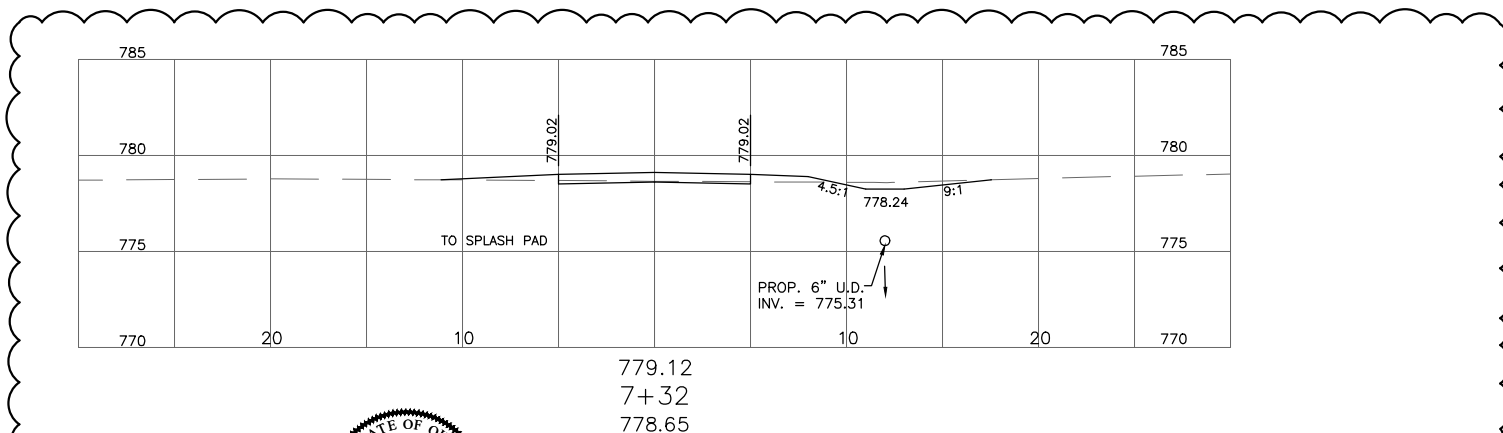
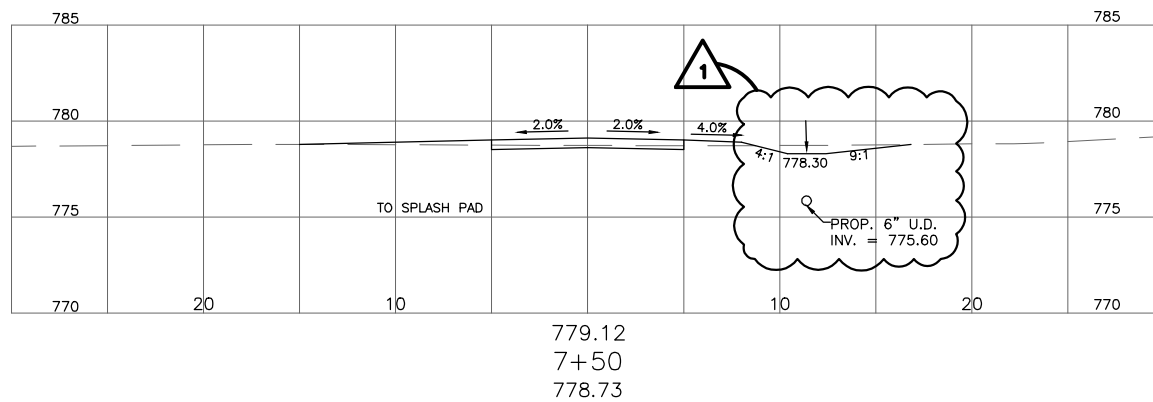
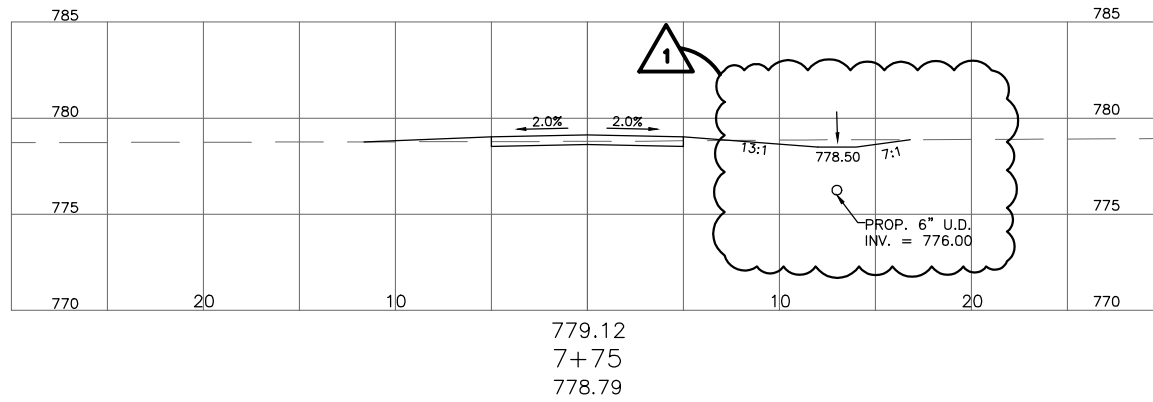
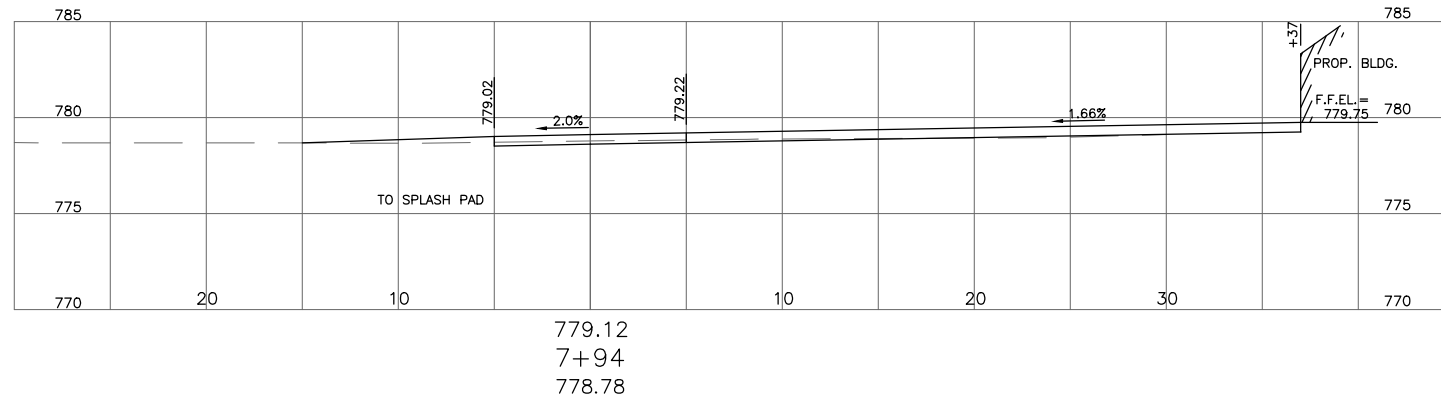
OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
5256 DILLON HILLS DRIVE
NASHPORT, OHIO 43830

DESIGNED BY: MS	JOB NUMBER: DNR-250011
DRAWN BY: MS	SCALE: AS NOTED
CHECKED BY: AM	DATE: 11.14.2025
APPROVED BY: AMA	REVISED: 1. ADDENDUM 1, 12-19-2025

SPLASH PAD SWALE CROSS SECTIONS

C.111





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NASHPORT, OHIO 43830

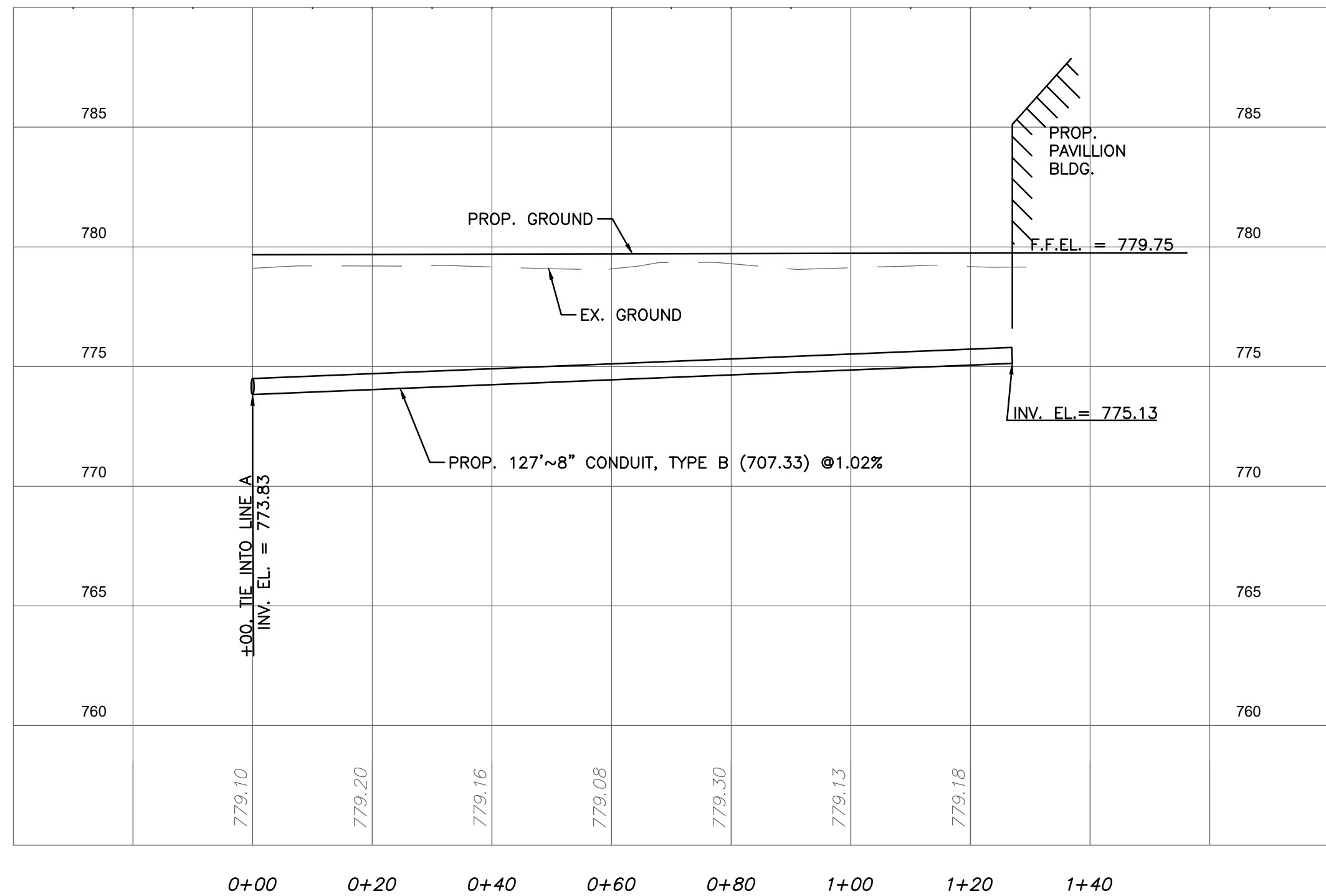
DESIGNED BY: MB	JOB NUMBER: DNR-250011
DRAWN BY: MB	SCALE: AS NOTED
CHECKED BY: AM	DATE: 11.14.2025
APPROVED BY: AMA	REVISED: 1. ADDENDUM 1, 12-19-2025

SPLASH PAD SWALE CROSS SECTIONS

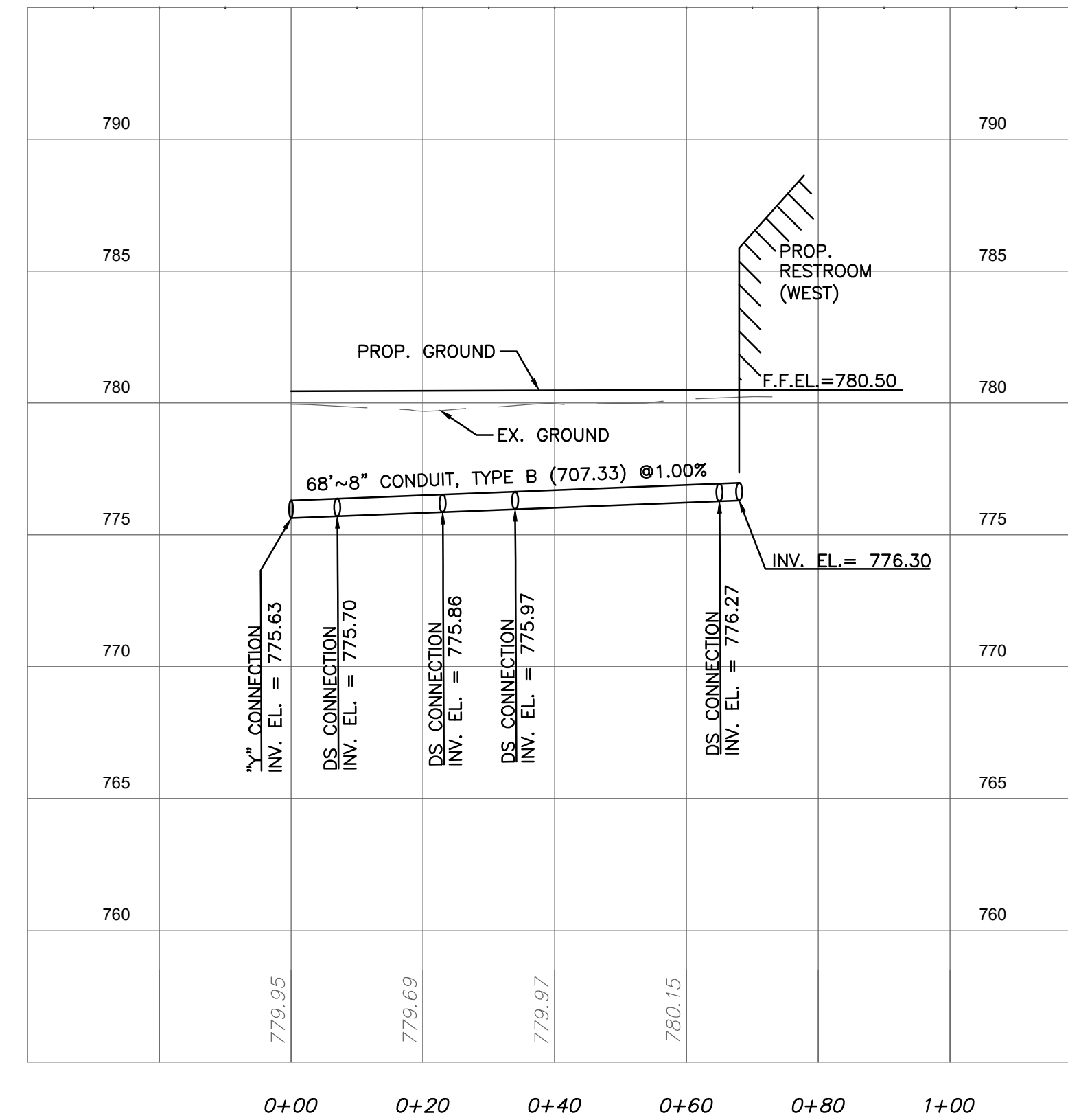
C.112



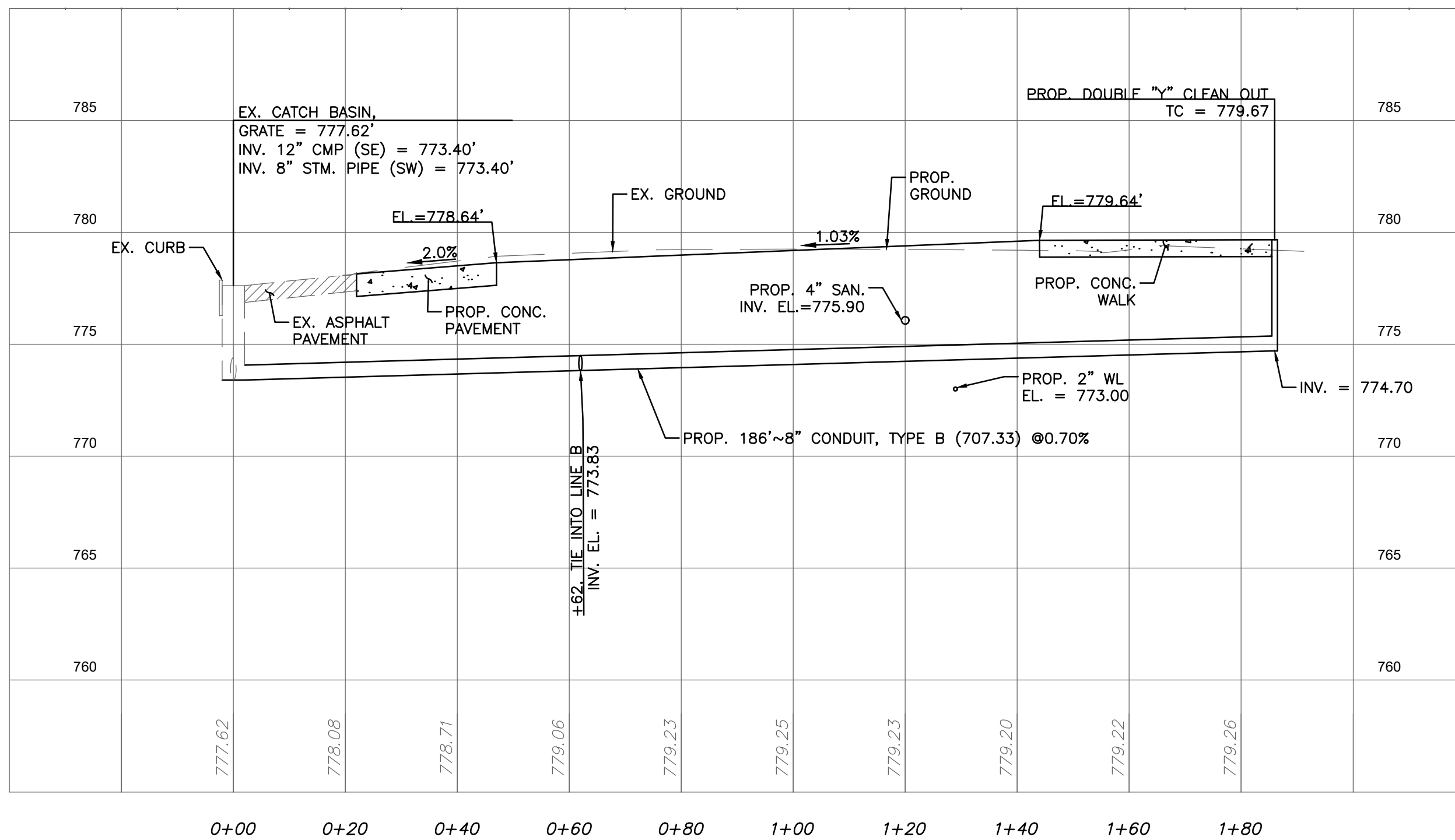
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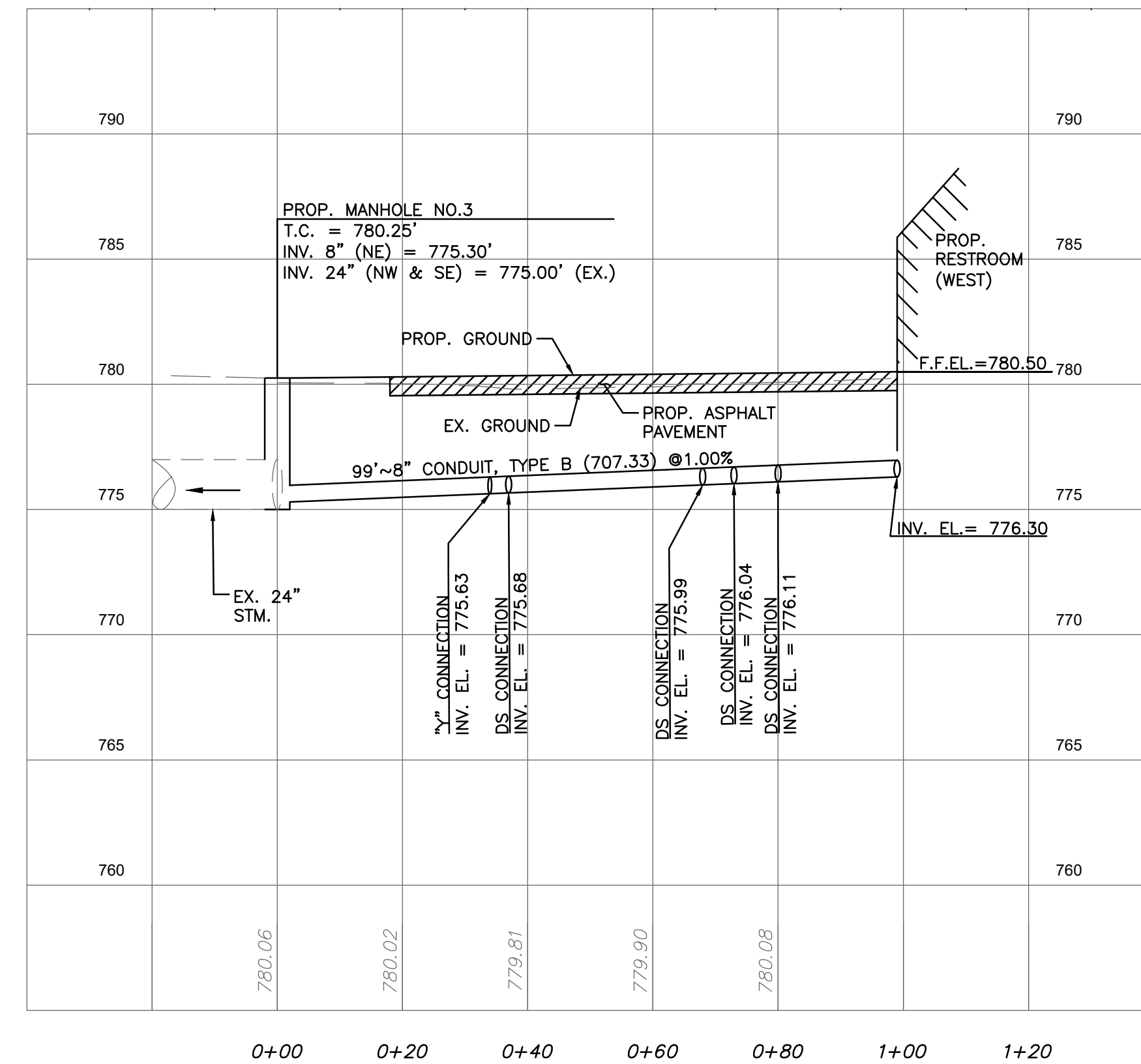
PROP. 8" PERIMETER STORM PROFILE, LINE B
 HORIZONTAL : 1" = 20'
 VERTICAL : 1" = 5'



PROP. 8" PERIMETER STORM PROFILE, LINE 2
 HORIZONTAL : 1" = 20'
 VERTICAL : 1" = 5'



PROP. 8" PERIMETER STORM PROFILE, LINE A
 HORIZONTAL : 1" = 20'
 VERTICAL : 1" = 5'



PROP. 8" PERIMETER STORM PROFILE, LINE 1
 HORIZONTAL : 1" = 20'
 VERTICAL : 1" = 5'

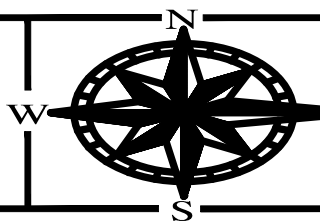
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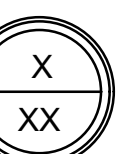
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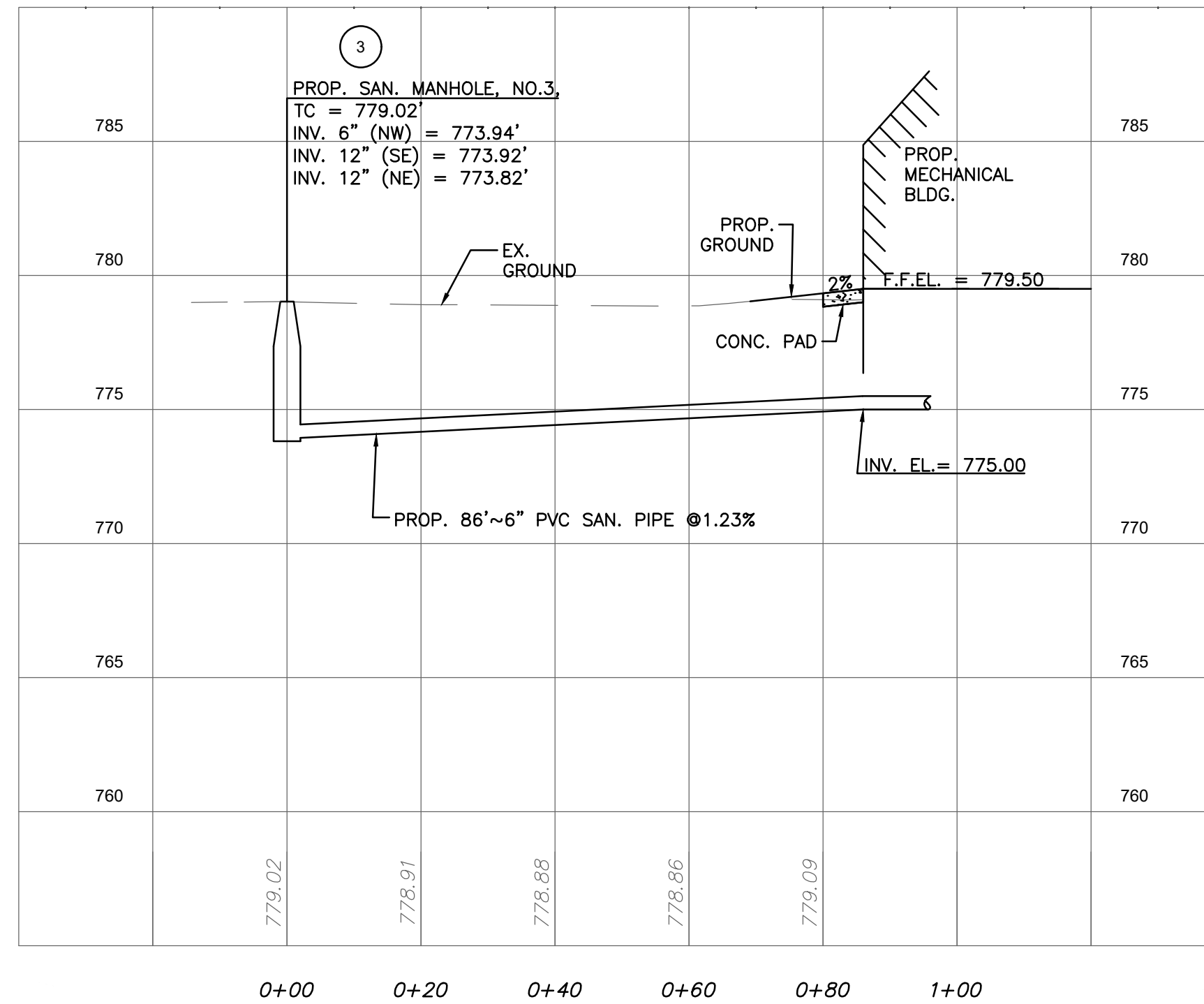
**OHIO DEPARTMENT OF NATURAL RESOURCES
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 5256 DILLON HILLS DRIVE
 NASHPORT, OHIO 43830**

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APPROVED BY: AMA	REVISED:

PERIMETER STORM PROFILE

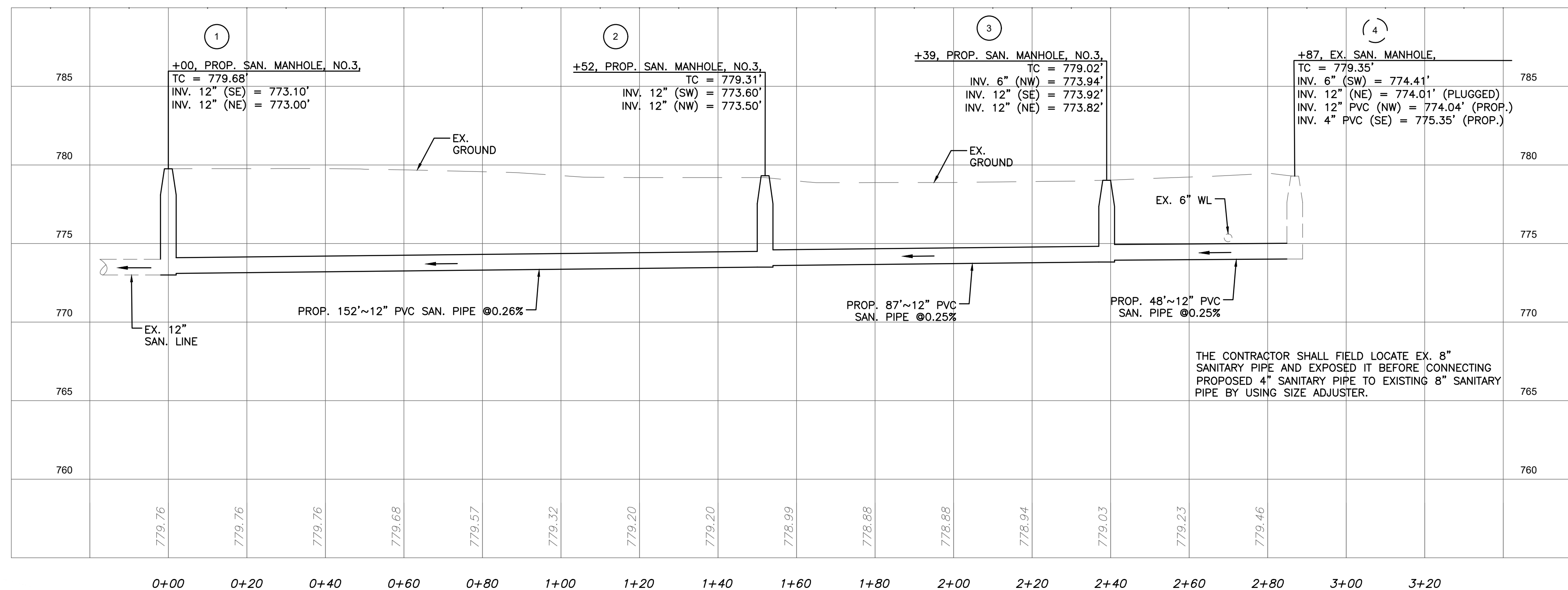
C.113





PROP. 6" SANITARY PROFILE (MECHANICAL BUILDING)

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



PROP. 12" SANITARY SEWER PROFILE

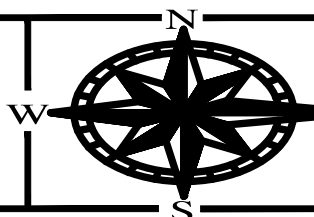
HORIZONTAL : 1" = 20' VERTICAL : 1" = 5'

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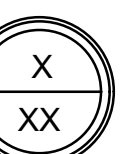
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SANITARY SEWER PROFILE

C.114



EROSION CONTROL GENERAL NOTES

- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES & PRACTICES MUST COMPLY WITH THE CONSTRUCTION GENERAL PERMIT PART III.G — SWP3 REQUIREMENTS AND BE INSTALLED IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS IN THE 2006 VERSION OF THE ODNR RAINWATER AND LAND DEVELOPMENT HANDBOOK OR EQUAL APPROVED BY THE SCIOTO COUNTY SWCD.
- MEASURES & PRACTICES SHALL BE IMPLEMENTED DURING CONSTRUCTION AS FEASIBLE, TO PRESERVE NATURAL CONDITIONS, INCLUDING: PROTECTION OF EXISTING VEGETATION (INCLUDING INDIVIDUAL TREES) AND RIPARIAN AREAS; MAINTENANCE OF VEGETATION BUFFER STRIPS ALONG ANY DRAINAGES, WATER BODIES AND WETLANDS; AND PHASING CONSTRUCTION AND CLEARING LAND IN STAGES TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ANY ONE TIME.
- INDIVIDUAL TREES, TREE AREAS, AND VEGETATION TO BE SAVED SHALL BE MARKED AND PROTECTED WITH A BARRIER IF NECESSARY. ENSURE THAT THERE IS NO STORAGE OF SOIL OR MATERIAL, OR CONSTRUCTION TRAFFIC WITHIN THE DRIP LINE OF THE TREES. NO TREE REMOVAL SHALL BE PERMITTED OUTSIDE THE CONSTRUCTION AREA WITHOUT SPECIFIC PERMISSION OF THE PROJECT ENGINEER.
- PRIOR TO GRADING AND WITHIN 7 DAYS FROM THE START OF GRUBBING, APPROPRIATE STRUCTURAL MEASURES & PRACTICES SHALL BE IMPLEMENTED TO DIRECT RUNOFF AWAY FROM, LIMIT RUNOFF FROM, AND CONTROL RELEASE OF SEDIMENT FROM ANY AREA DISTURBED BY CONSTRUCTION OR ASSOCIATED ACTIVITY ON OR OFF THE PROJECT SITE. MEASURES & PRACTICES SUCH AS PERIMETER SEDIMENT BARRIERS, SEDIMENT BASINS AND DIVERSIONS INTO THEM, PIPE SLOPE DRAINS, ROCK CHECK DAMS, AND PROTECTIVE GRADING MAY BE USED.
- STRUCTURAL MEASURES & PRACTICES TO CONTROL EROSION AND TRAP SEDIMENT SHALL BE IMPLEMENTED ON ANY AREA THAT IS TO REMAIN DISTURBED FOR MORE THAN 14 DAYS. MEASURES & PRACTICES SUCH AS SILT FENCES, SETTLING PONDS, STORM DRAIN INLET PROTECTION, AND DIKES OR CHANNELS TO DIRECT RUNOFF FROM DISTURBED AREAS TO A SETTLING POND SHALL BE USED.
- ANY DISTURBED AREA ON OR OFF THE PROJECT SITE INCLUDING ANY SOIL STOCKPILE THAT WILL REMAIN IDLE FOR MORE THAN 21 DAYS, SHALL BE STABILIZED BY QUICKLY PROVIDING COVER TO CONTROL EROSION. DISTURBED AREAS MAY BE STABILIZED USING MEASURES & PRACTICES SUCH AS: SEEDING, DORMANT SEEDING, MULCHING, MULCH BLANKET, GEOTEXTILE, SOD PRESERVATION OF EXISTING COVER, ALTERNATIVE GROUND COVER, AND USE OF CONSTRUCTION ENTRANCES. STABILIZATION OF SLOPES GREATER THAN 6%, FILL SLOPES, AND OTHER AREAS TENDING TO BE UNSTABLE SHALL INCLUDE MEASURES SUCH AS EROSION CONTROL BLANKET OR MATTING.
- ANY DISTURBED AREA NOT AT FINAL GRADE THAT WILL REMAIN IDLE FOR MORE THAN 21 DAYS AND LESS THAN 1 YEAR SHALL BE TEMPORARILY STABILIZED. ANY SUCH DISTURBED AREA THAT IS WITHIN 50 FEET OF A WATER BODY OR DRAINAGE COURSE, SHALL BE STABILIZED WITHIN 2 DAYS OF MOST RECENT DISTURBANCE. ANY AREA NOT WITHIN 50 FEET OF A WATER BODY OR DRAINAGE COURSE SHALL BE STABILIZED WITHIN 7 DAYS.
- DISTURBED AREAS AT FINAL GRADE SHALL BE PERMANENTLY STABILIZED TO ACHIEVE FINAL STABILIZATION USING MEASURES & PRACTICES SUCH AS: PERENNIAL VEGETATION COVER, LANDSCAPING MULCH, MATTING, SOD, RIP RAP, AND LANDSCAPING TECHNIQUES. FINAL STABILIZATION IS ACHIEVED WHEN UNIFORM PERENNIAL COVERAGE OF AT LEAST 70% IS ESTABLISHED ON ALL AREAS NOT PAVED OR LANDSCAPED, OR WHEN EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN EMPLOYED. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED AND TEMPORARY CONTROL PRACTICES REMOVED AFTER FINAL STABILIZATION.
- ANY AREA WITHIN 50 FEET OF A WATER BODY OR DRAINAGE COURSE SHALL BE PERMANENTLY STABILIZED WITHIN 2 DAYS OF REACHING FINAL GRADE. ANY AREA THAT IS MORE THAN 50 FEET FROM A WATER BODY OR DRAINAGE COURSE SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF REACHING FINAL GRADE. EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED IN FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION IS ACHIEVED.
- ANY DISTURBED AREA OR PART OF ANY DISTURBED AREA THAT WILL REMAIN IDLE FOR MORE THAN 1 YEAR OR OVER THE WINTER, OR ON WHICH WORK IS TO BE SUSPENDED, SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF MOST RECENT DISTURBANCE. DISTURBED AREAS SHALL BE STABILIZED PRIOR TO THE ONSET OF WINTER. EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED IN FUNCTIONAL CONDITION DURING INTERRUPTION OF CONSTRUCTION.
- AS CONSTRUCTION IS COMPLETED ON A PART OF THE PROJECT SITE OR AN AREA ON OR OFF THE SITE IS NO LONGER NEEDED FOR STORAGE OR EQUIPMENT TRAFFIC, ANY DISTURBED AREAS NOT TO BE PAVED SHALL BE FINE GRADED AND PERMANENTLY STABILIZED. THE AREAS SHALL BE GRADED TO BE CONSISTENT WITH SURROUNDING CONTOURS FOR PROPER DRAINAGE AND AESTHETICS.
- ANY SITE PREPARATION THAT WILL INVOLVE EARTH MOVING (SUCH AS CLEARING AND GRUBBING) WILL NOT BEGIN MORE THAN 2 WEEKS IN ADVANCE OF THE START OF EXCAVATION. THE PURPOSE OF THIS RESTRICTION IS TO PREVENT THE EXISTENCE OF LARGE AREAS OF EXPOSED SOILS FOR EXTENDED PERIODS OF TIME WHEN CONSTRUCTION IS NOT PROCEEDING.
- ALL DISTURBED VEGETATION IS TO BE RESEEDED AS PART OF RESTORATION, UNLESS THE AREA WILL BE PAVED OR OCCUPIED BY ABOVE GROUND FACILITIES. TOP SOILING FOR THE RESTORATION OF VEGETATED AREAS DISTURBED BY CONSTRUCTION SHALL AVERAGE (6) INCHES IN THICKNESS.
- ALL DEWATERING FLOWS SHALL BE SILT-FREE PRIOR TO DISCHARGE, AND DISCHARGE SHALL BE DIRECTED TO STABILIZED SITES SUCH AS STREAMS, STORM SEWERS OR EXISTING GRASSED DRAINAGES, NOT ONTO EXPOSED SOILS OR ANY OTHER SITE WHERE FLOWS COULD CAUSE EROSION.
- IF, DUE TO WEATHER, FINAL GRADING CANNOT BE ACCOMPLISHED IMMEDIATELY, MULCHING AND TEMPORARY SEEDING, IF FEASIBLE, OR SOME OTHER TYPE OF TEMPORARY EROSION CONTROL MEASURES, MUST BE USED UNTIL LONG-TERM RESTORATION CAN OCCUR.
- STOCK PILED TOPSOIL AND FILL MATERIALS SHALL BE PROTECTED WITH EROSION CONTROL BARRIERS OR TEMPORARY SEEDING.
- IN AREAS WHERE EARTH MOVING WILL BE EXTENSIVE, A COMBINATION OF DIVERSION CHANNELS (WITH EROSION CONTROL BARRIERS) AND SEDIMENTATION BASINS SHALL BE USED TO CONTROL RUNOFF AND EROSION.
- EXCESS SOIL THAT IS STOCK PILED MUST BE EITHER REMOVED OR REGRADED WITHIN 15 DAYS OF THE COMPLETION OF THE CONSTRUCTION.
- IF TREE REMOVAL IS NECESSARY, TREES SHALL BE FELLED IN A MANNER THAT AVOIDS DAMAGE TO ADJACENT TREES TO REMAIN STANDING. WHERE ROOT DAMAGE CANNOT BE AVOIDED, PRUNING AS APPROPRIATE TO COMPENSATE FOR THE DAMAGE SHALL BE DONE BY AN AUTHORIZED ARBORIST.
- NO FILL, TOPSOIL OR HEAVY EQUIPMENT SHALL BE STORED WITHIN 200 FEET OF A STREAM BANK OR WITHIN THE DRIP LINE OF TREADED AREAS.
- CONSTRUCTION AND RESTORATION ACTIVITIES SHALL NOT SIGNIFICANTLY ALTER EXISTING DRAINAGE PATTERNS AND/OR VELOCITY OF STORM WATER FLOW.
- THE EROSION CONTROL MEASURES DESCRIBED HEREIN ARE TYPICAL. THE CONTRACTOR SHALL USE THIS PLAN AS A GUIDE TO CONTROL EROSION. IN THE EVENT OF ADVERSE WEATHER CONDITIONS, ETC. ADDITIONAL MEASURES SHOULD BE TAKEN TO ESTABLISH AND MAINTAIN PROTECTIVE VEGETATION.
- CONTINUOUS MAINTENANCE WILL BE REQUIRED AS NECESSARY UNTIL PERMANENT, STABLE VEGETATIVE COVER HAS BEEN ESTABLISHED AND EROSION HAS BEEN CONTROLLED. THIS INCLUDES BUT IS NOT LIMITED TO RESEEDING, MULCHING, EARTH FILLING, ETC.
- DISTURBED AREAS SHALL BE KEPT TO A MINIMUM WITH RESPECT TO AREAS EXPOSED AND TIME OF EXPOSURE. ALL TOPSOIL SHALL BE STOCKPILED.
- TO ASSIST IN EROSION CONTROL, ALL TREES AND VEGETATION OUTSIDE OF GRADED AREAS SHALL REMAIN.
- SILT FENCE FABRIC SHALL BE EXXON GTF-100S OR APPROVED EQUAL.

- ADJACENT ROADS SHALL BE KEPT FREE OF DIRT AND DEBRIS AT ALL TIMES.
- ALL S.W.P.P.P. ITEMS MUST BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATIONS.
- EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON DITCHES GREATER THAN 1.5% AND ALL OTHER SLOPES GREATER THAN 6.0% GRADE. MATTING SHALL BE SNAKE FRIENDLY.
- OTHER EROSION CONTROL AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.
- REGULAR INSPECTION AND MAINTENANCE WILL BE PROVIDED FOR ALL EROSION CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT CONSTRUCTION PERIOD. INSPECTIONS MUST BE MADE A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES IN A 24 HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CERTIFICATION OF COMPLIANCE AND CORRECTIVE MEASURES TAKEN.
- NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.
- OFF-SITE VEHICLE TRACKING SEDIMENT SHALL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD(S) NOTED ON THE PLAN.
- FILTER FABRIC AND STRAW BALES ARE NOT SUITABLE MATERIALS FOR DITCH CHECKS UNLESS PRIOR APPROVAL FOR LOCATION SPECIFIC USE IS GIVEN BY THE OEPA-DSW STORM WATER INSPECTOR.
- STRAW BALES SHALL ONLY BE USED FOR RUNOFF DIVERSION AND SEDIMENT CONTROL IN COMBINATION WITH OTHER MATERIALS. AN EXAMPLE IS AN ANCHORED BALE BERM OR BARRIER COVERED WITH FILTER FABRIC WHICH IS TRENCHED AND BACKFILLED ON THE UPSLOPE SIDE.
- UNNECESSARY OPERATION OF CONSTRUCTION MACHINERY SHALL BE AVOIDED NEAR A WATER BODY, WETLAND, DRAINAGE COURSE, OR STREAM RIPARIAN AREA. A BUFFER STRIP OF VEGETATION SHALL BE PRESERVED UNDISTURBED OR CREATED AND MAINTAINED ALONG SUCH AREAS.
- PRIOR TO STARTING WORK, FILTER FABRIC FENCING SHALL BE INSTALLED AND MAINTAINED TO MARK THE BOUNDARY OF THE AREA TO BE DISTURBED OR THE BUFFER STRIP. THE BUFFER SHALL MEET THE MOST RESTRICTIVE OF LOCAL, STATE OR FEDERAL REQUIREMENTS, BUT SHOULD BE AT LEAST 25 FEET WIDE WHERE FEASIBLE, AS MEASURED FROM THE TOP OF THE BANK OR THE ORDINARY HIGH WATER MARK.

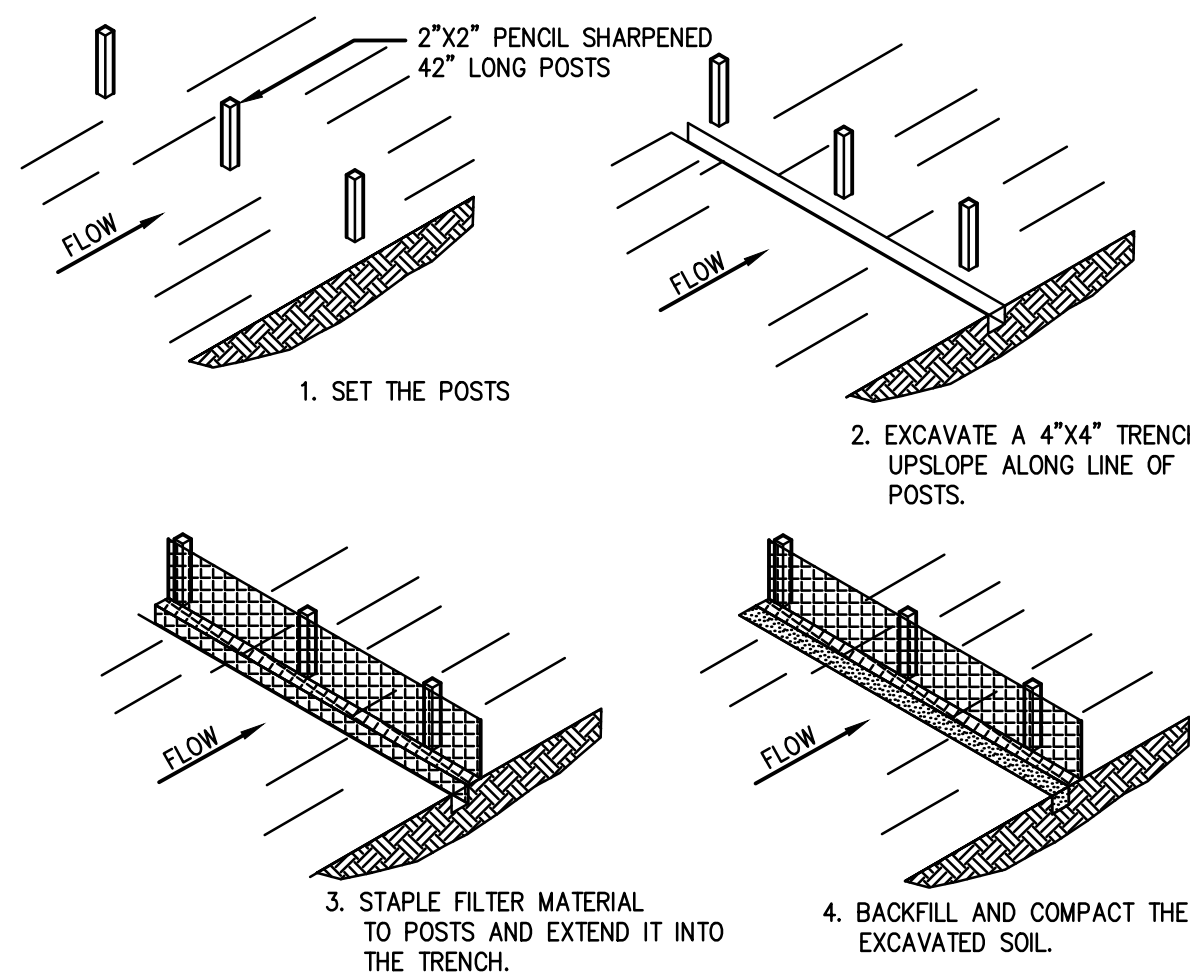
STORM DRAIN INLET PROTECTION (IP)

- STRAW BALE DROP INLET STRUCTURE
 - A.BALES SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
 - B.BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER. (FIGURE BELOW)
 - C.THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED AROUND THE INLET THE WIDTH OF A BALE TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
 - D.EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
 - E.LOOSE STRAW SHALL BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.

SPECIFIC APPLICATION

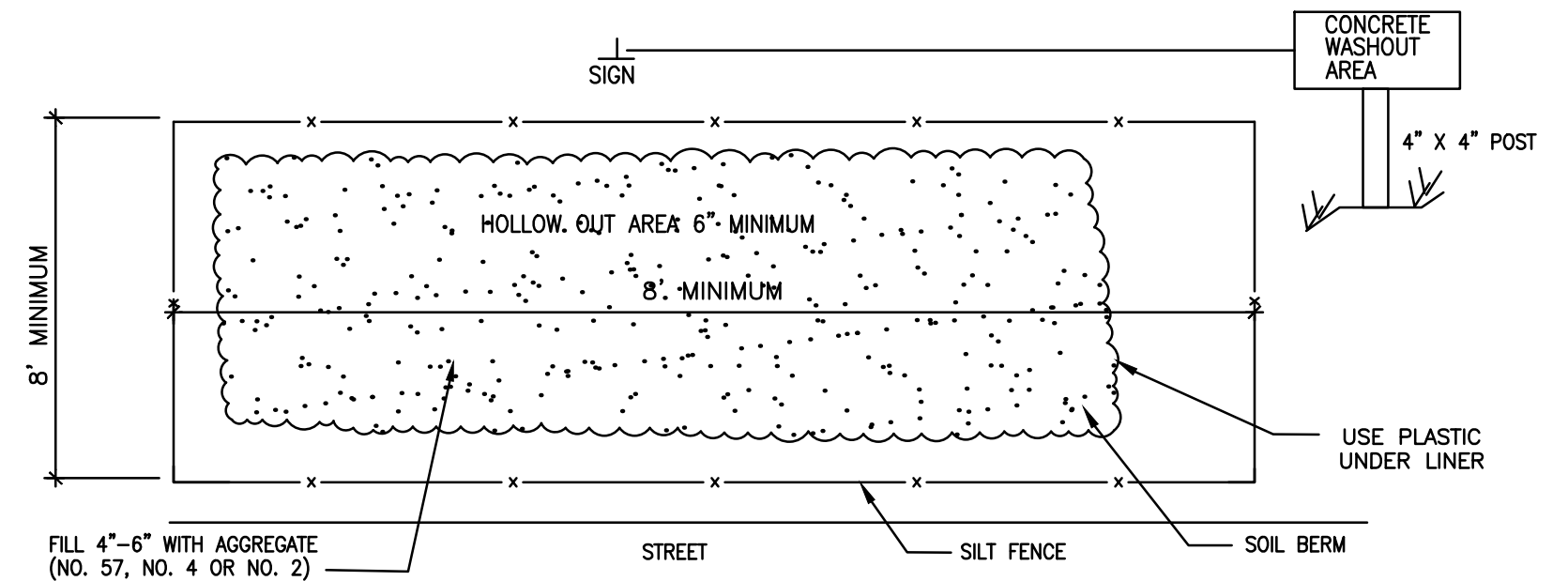
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL.

- REFERENCE TO "ODOT ITEM" OR "ODOT" REFERS TO ITEMS AND PARAGRAPHS IN THE "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMS) PUBLISHED BY THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT), STATE OF OHIO, JANUARY 1, 2023 EDITION. REFERENCE TO "DIRECTOR", ETC. IN THESE REFERENCES SHALL MEAN "ENGINEER". REFERENCE TO ODOT ITEMS AND PARAGRAPHS ARE FOR MATERIALS AND METHODS ONLY; MEASUREMENTS, ACCEPTANCES, PAYMENTS AND GENERAL



CONSTRUCTION OF A SILT FENCE
N.T.S.

NOTE: THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS.

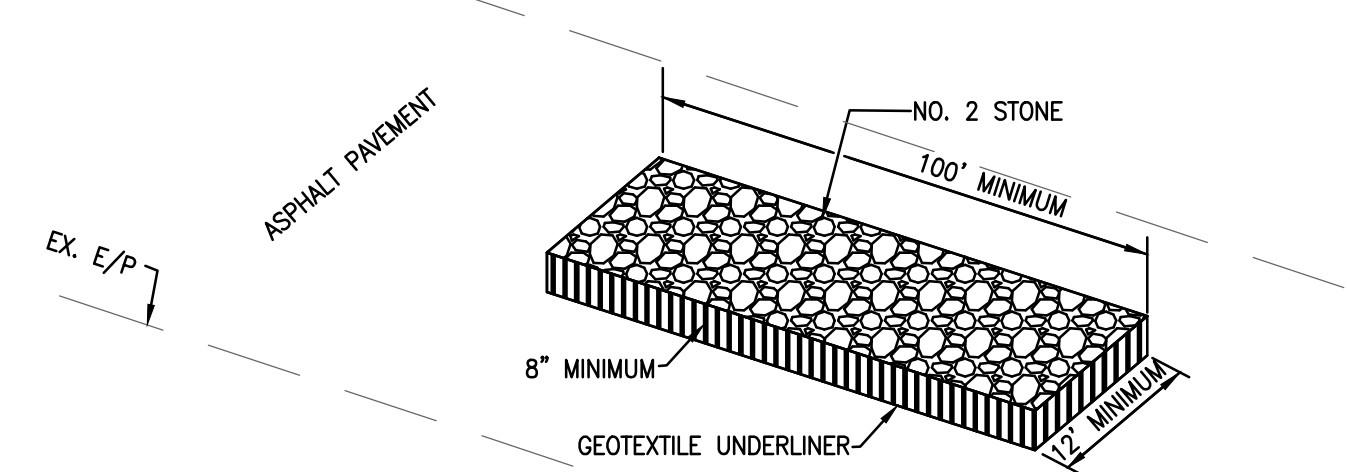


CONCRETE WASHOUT AREA
NO SCALE

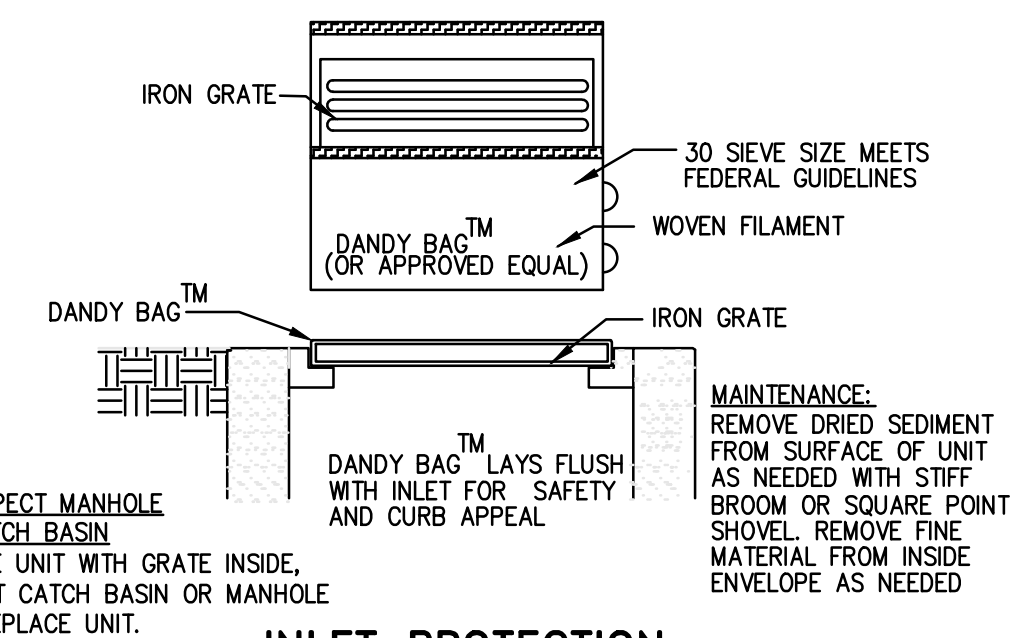
THE EXACT LOCATION OF THE CONCRETE WASHOUT(S) MAY BE FIELD LOCATED BY THE ON-SITE PROJECT ENGINEER/CONTACT.

TEMPORARY CONSTRUCTION ENTRANCE

- STONE SIZE – NO. 2 (2 1/2" TO 1 1/2") OR ITS EQUIVALENT.
- LENGTH – AS EFFECTIVE, BUT NOT LESS THAN 100 FEET.
- THICKNESS – NOT LESS THAN EIGHT (8) INCHES.
- WIDTH – NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- WASHING – WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
- MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.



TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.



INLET PROTECTION
N.T.S.

INSTALLATION: STAND GRATE ON END. PLACE DANDY BAG OVER GATE. FLIP GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

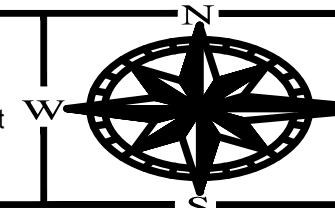
MAINTENANCE: AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF DANDY BAG WITH BROOM.

DANDY BAG™
DANDY PRODUCTS, INC.
4263 KELNOR WAY
GROVE CITY, OHIO
PHONE (800) 591-2284
FAX (614) 873-4546

STAR # 24022



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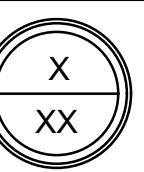
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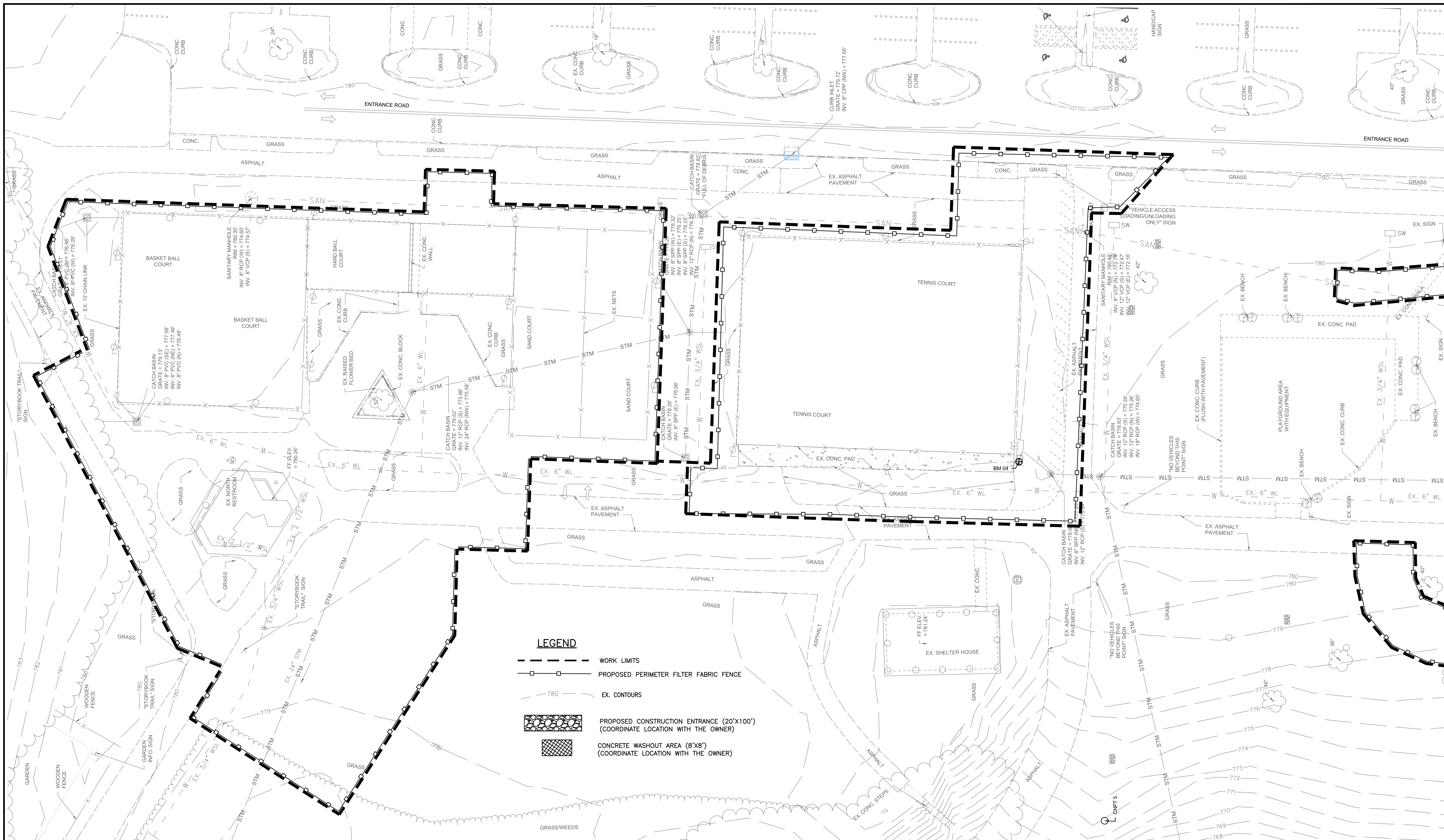
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DRAWN BY: MS	SCALE: AS NOTED
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APPROVED BY: AMA	REVISED:

EROSION CONTROL NOTES AND DETAILS

C.115



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MATCH LINE SEE SHEET C.101

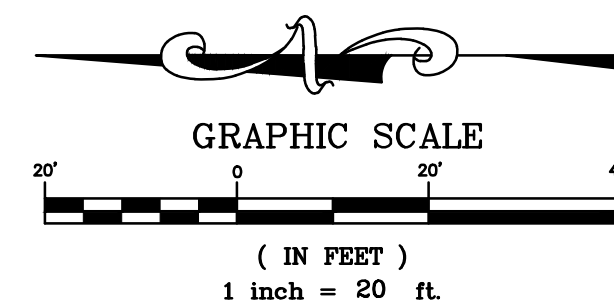
LEGEND

- WORK LIMITS
- PROPOSED PERIMETER FILTER FABRIC FENCE
- EX. CONTOURS
- PROPOSED CONSTRUCTION ENTRANCE (20'X100')
(COORDINATE LOCATION WITH THE OWNER)
- CONCRETE WASHOUT AREA (8'X8')
(COORDINATE LOCATION WITH THE OWNER)

EX. CONDITIONS:

TOTAL SITE AREA:	23.00± ACRES
SITE DISTURBANCE AREA:	2.70 ACRES
PERVIOUS AREA:	1.97 ACRES
IMPERVIOUS AREA:	0.73 ACRES

-FOR LEGEND AND CODED NOTES, SEE SHEET C.102

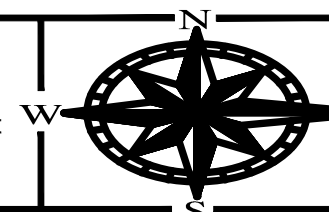


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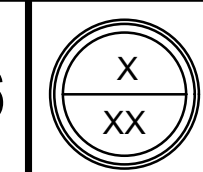
ENGINEERING
Ohio Department of Natural Resources

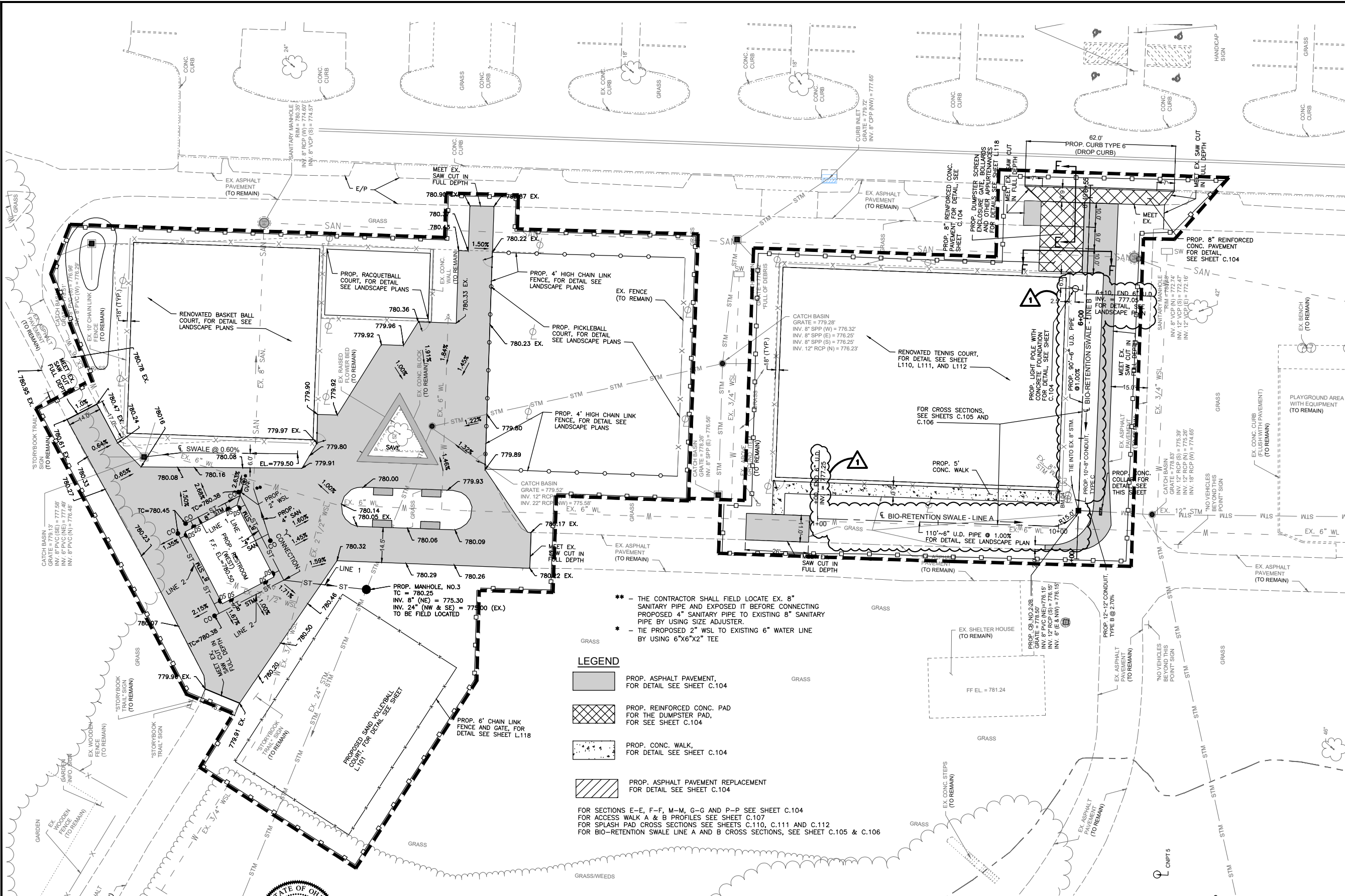
OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
5256 DILLON HILLS DRIVE
NASHPORT, OHIO 43830

DESIGNED BY:	MS	JOB NUMBER:	DNR-250011
DRAWN BY:	MS	SCALE:	AS NOTED
CHECKED BY:	AM	DATE:	11.14.2025
APPROVED BY:	AMA	REVISED:	

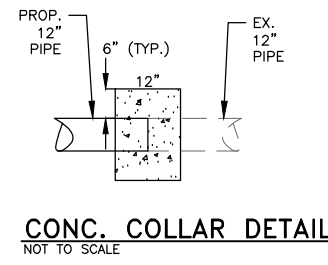
PRE-DEVELOPED SWPPP PLAN

C.116





MATCH LINE SEE SHEET C.119



- ** - THE CONTRACTOR SHALL FIELD LOCATE EX. 8" SANITARY PIPE AND EXPOSED IT BEFORE CONNECTING PROPOSED 4" SANITARY PIPE TO EXISTING 8" SANITARY PIPE BY USING SIZE ADJUSTER.
- * - TIE PROPOSED 2" WSL TO EXISTING 6" WATER LINE BY USING 6"x6"x2" TEE

LEGEND

- PROP. ASPHALT PAVEMENT, FOR DETAIL SEE SHEET C.104
- PROP. REINFORCED CONC. PAD FOR THE DUMPSTER PAD, FOR SEE SHEET C.104
- PROP. CONC. WALK, FOR DETAIL SEE SHEET C.104
- PROP. ASPHALT PAVEMENT REPLACEMENT FOR DETAIL SEE SHEET C.104

FOR SECTIONS E-E, F-F, M-M, G-G AND P-P SEE SHEET C.104
 FOR ACCESS WALK A & B PROFILES SEE SHEET C.107
 FOR SPLASH PAD CROSS SECTIONS SEE SHEETS C.110, C.111 AND C.112
 FOR BIO-RETENTION SWALE LINE A AND B CROSS SECTIONS, SEE SHEET C.105 & C.106

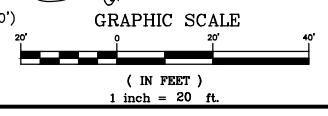
LEGEND

- WORK LIMITS
- PROPOSED PERIMETER FILTER FABRIC FENCE
- EX. CONTOURS

SITE DATA TABLE:

TOTAL SITE AREA:	23.0± ACRES
SITE DISTURBED AREA:	2.70 ACRES
PRE-DEVELOPED IMPERVIOUS AREA:	1.97 ACRES
POST-DEVELOPED IMPERVIOUS AREA:	0.73 ACRES

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ENGINEERING
 Ohio Department of Natural Resources

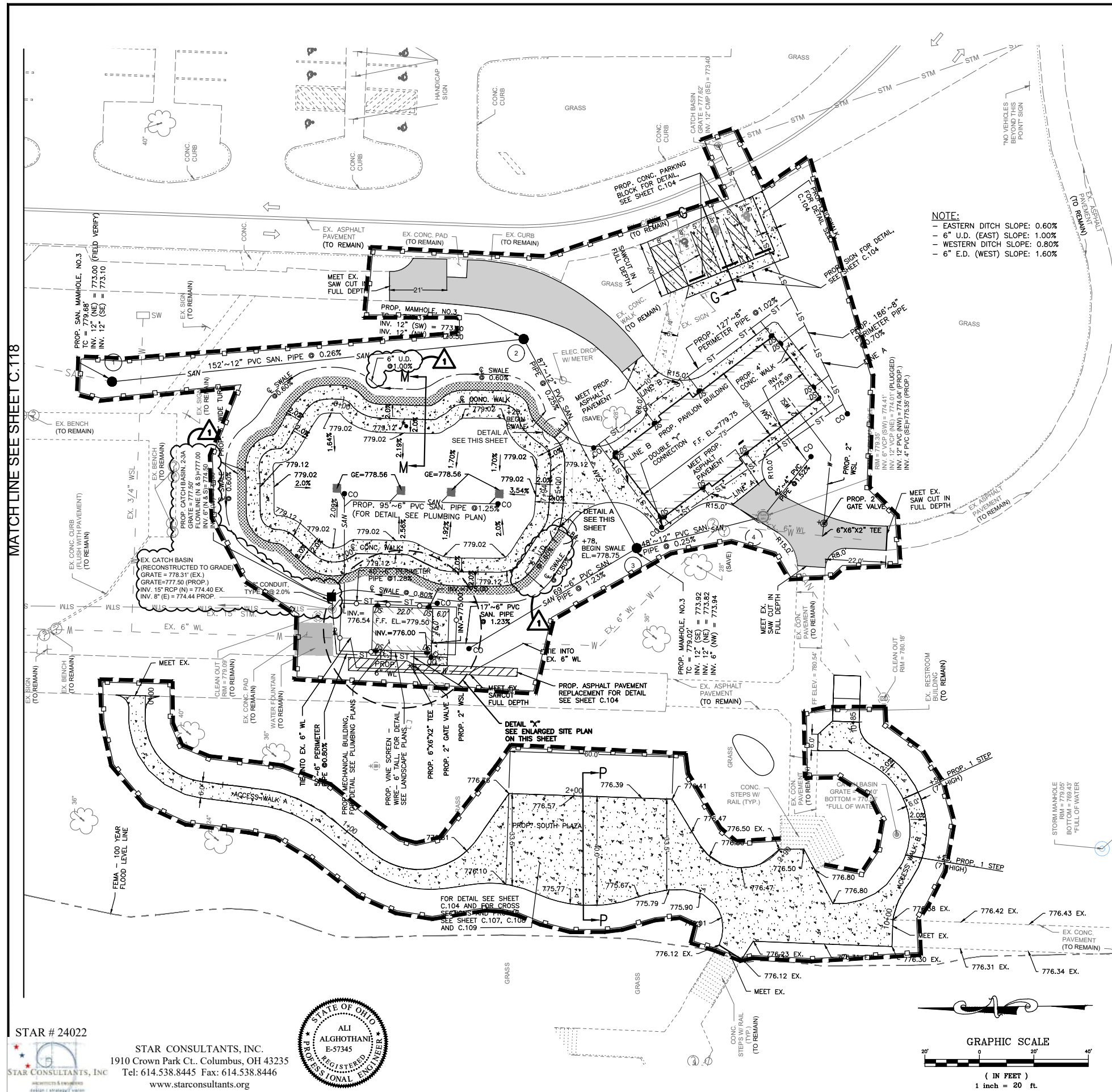
OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
 5256 DILLON HILLS DRIVE
 NASHPORT, OHIO 43830

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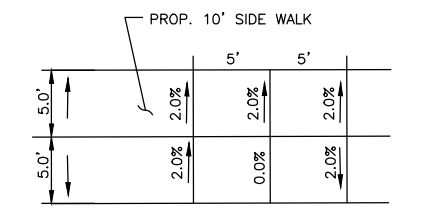
POST-DEVELOPED SWPPP PLAN

C.118





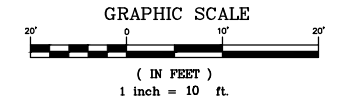
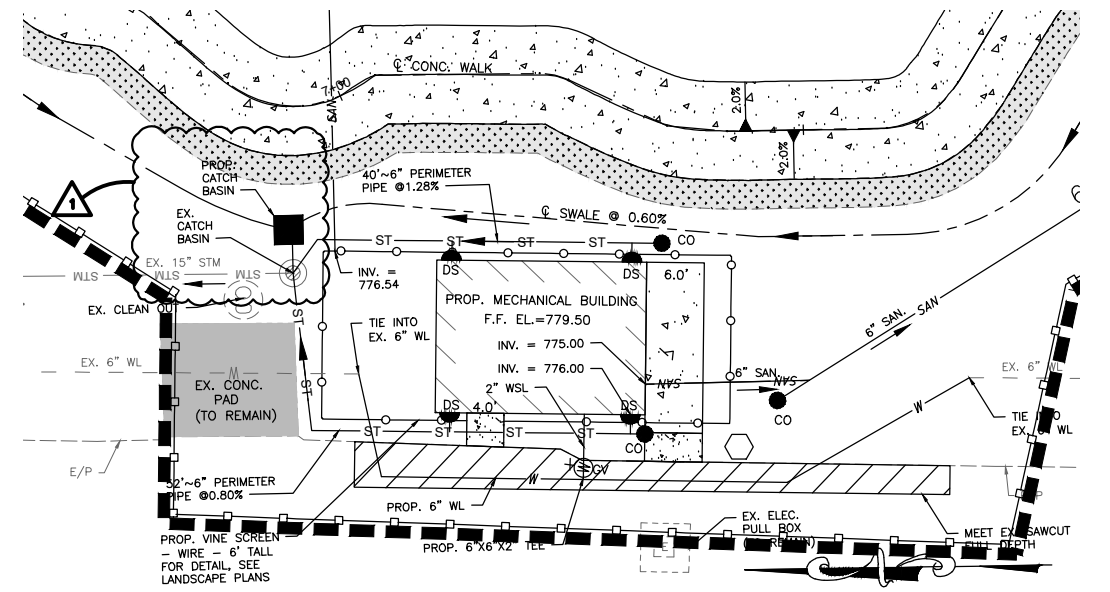
- LEGEND**
- 5/8" REBAR W/RED TRAVERSE CAP (CONTROL POINT)
 - ⊕ BENCHMARK
 - ⊞ ELECTRIC PULLBOX
 - ⊙ LIGHT POLE
 - ⊙ MISC. OBJECT AS NOTED
 - ⊙ POWER POLE
 - ⊙ MISC. POST
 - ⊙ PICNIC GRILL



- STM — STM — STORM SEWER LINE
- SAN — SAN — SANITARY SEWER LINE
- E — E — OVERHEAD ELECTRIC LINE
- - - 750 - - - CONTOUR LINES
- - - X - - - FENCE LINE AS NOTED

- ▭ PROP. ASPHALT PAVEMENT, FOR DETAIL SEE SHEET C.104
- ▨ PROP. REINFORCED CONC. PAD FOR THE DUMPSTER PAD, FOR SEE SHEET C.104
- ▩ PROP. CONC. WALK, FOR DETAIL SEE SHEET C.104
- ▧ PROP. ASPHALT PAVEMENT REPLACEMENT FOR DETAIL SEE SHEET C.104

FOR SECTIONS E-E, F-F, M-M, G-G AND P-P SEE SHEET C.104
 FOR ACCESS WALK A & B PROFILES SEE SHEET C.107
 FOR SPLASH PAD CROSS SECTIONS SEE SHEETS C.110, C.111 AND C.112



- LEGEND**
- - - - - WORK LIMITS
 - ⊞ - - - - PROPOSED PERIMETER FILTER FABRIC FENCE
 - - - - - 780 - - - EX. CONTOURS
 - ▨ - - - - PROPOSED CONSTRUCTION ENTRANCE (20'X100') (COORDINATE LOCATION WITH THE OWNER)
 - ▧ - - - - CONCRETE WASHOUT AREA (8'X8') (COORDINATE LOCATION WITH THE OWNER)

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DESIGNED BY: **MS**
 DRAWN BY: **MS**
 CHECKED BY: **AM**
 APPROVED BY: **AMA**

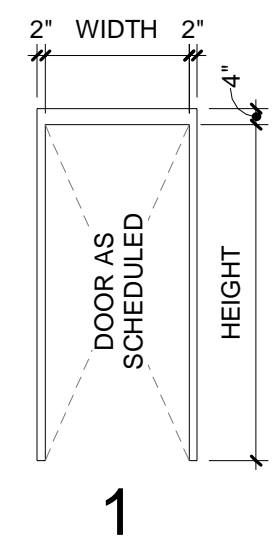
JOB NUMBER: DNR-250011
 SCALE: AS NOTED
 DATE: 11.14.2025
 REVISED: 1. ADDENDUM 1, 12-19-2025

POST-DEVELOPED SWPPP PLAN C.119

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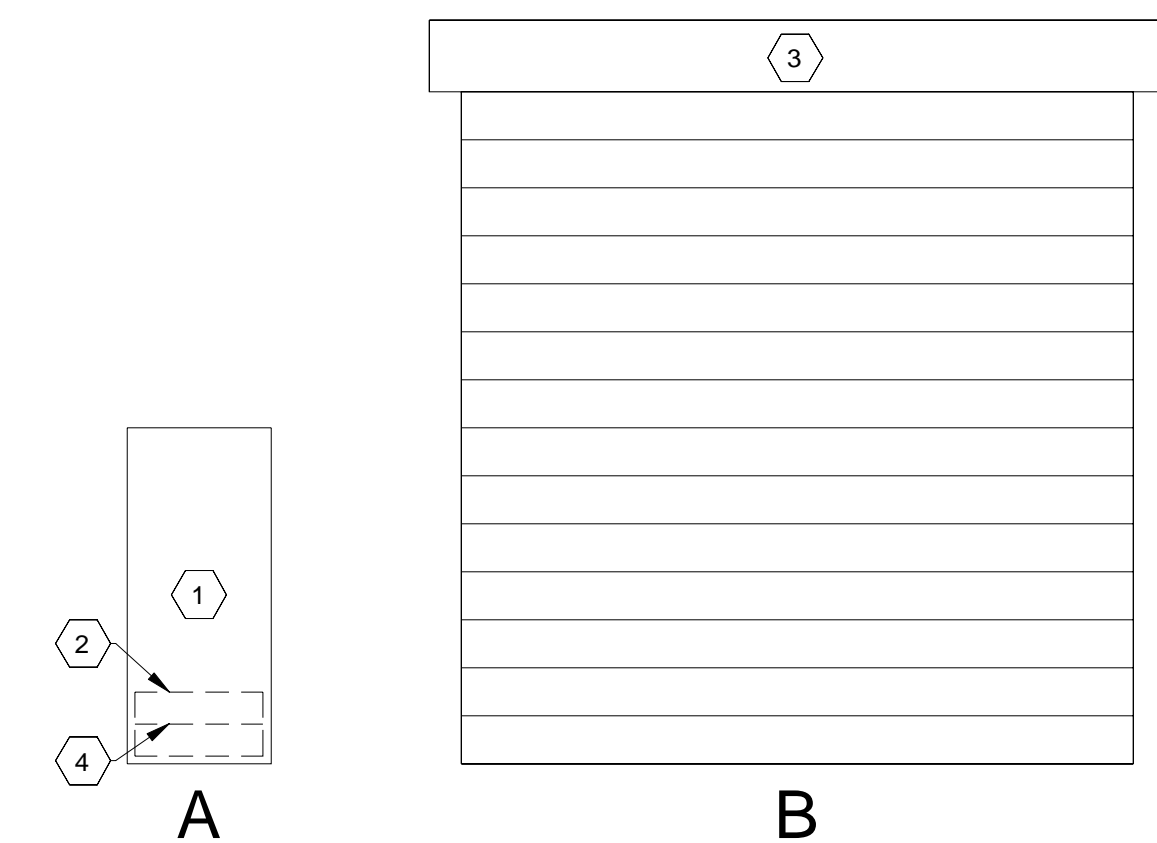
DOOR SCHEDULE

MARK	TO ROOM NAME	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HDWE	HEAD	JAMB	SILL	FIRE RATING	COMMENTS
101	WOMENS	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	4	CHH1	CHJ1	ADS1	-	1
102	JAN.	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	12	CHH1	CHJ1	ADS1	-	2
103	CHASE	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	12	CHH1	CHJ1	ADS1	-	2
104	MENS	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	4	CHH1	CHJ1	ADS1	-	1
201	WOMENS	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	4	CHH1	CHJ1	ADS1	-	1
202	JAN.	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	12	CHH1	CHJ1	ADS1	-	2
203	CHASE	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	12	CHH1	CHJ1	ADS1	-	2
204	MENS	3'-0"	7'-0"	0'-1 3/4"	A	HM	PAINT	1	HM	PAINT	4	CHH1	CHJ1	ADS1	-	1
301A	MECHANICAL	4'-0"	7'-0"	0'-1 3/4"	A	FRP	MFR	1	FRP	MFR	12	CHH1	CHJ1	ADS1	-	2
301B	MECHANICAL	4'-0"	7'-0"	0'-1 3/4"	A	FRP	MFR	1	FRP	MFR	12	CHH1	CHJ1	ADS1	-	2
301C	MECHANICAL	6'-0"	6'-8"	0'-1"	B	SS	MFR	-	SS	MFR	15	CHH2	CHJ2	-	-	3



1

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



DOOR ELEVATION CODED NOTES

1. FLUSH DOOR.
2. KICK PLATE, 2" LESS THAN WIDTH OF DOOR x 16" TALL.
3. INSULATED OVERHEAD COILING DOOR.
4. MOP PLATE, 1 1/2" LESS THAN WIDTH OF DOOR x 8" TALL.

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

GENERAL DOOR SCHEDULE NOTES:

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

DOOR SCHEDULE KEY

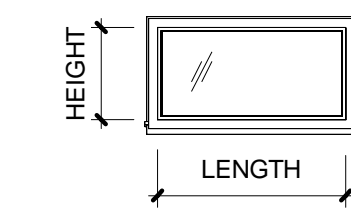
- FRP FIBER REINFORCED PLASTIC
- GALV GALVANIZED FRAME (INTEGRAL WITH OVERHEAD DOORS)
- HM HOLLOW METAL FRAME
- MIL. ANDZ. MILLED & ANODIZED ALUMINUM FINISH
- PAINT BKD. PAINT BULKHEAD AT OVERHEAD DOORS
- SS STAINLESS STEEL
- WF WELDED FRAME

STOREFRONT SCHEDULE

MARK	SIZE		TYPE	FINISH	GLAZING	U-VALUE	SHGC	DETAIL			COMMENTS
	LENGTH	HEIGHT						HEAD	JAMB	SILL	
W-1	3'-4"	2'-0"	EXTERIOR STOREFRONT	ALUM. DARK BRONZE	1" INSULATED/ ARGON	0.32	0.37	5/A.305		5/A.305	1

GENERAL WINDOW SCHEDULE NOTES:

1. ALL FRAMES TO HAVE THERMAL BREAKS



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

DOOR HARDWARE SCHEDULE

HARDWARE	DOOR USE	HINGES	LOCK SET	CLOSER	STOP	SILENCERS	FLUSH BOLT	WEATHERSTRIPPING	THRESHOLD	SWEEP	KICK PLATE	MOP PLATE	PANIC BAR	PUSH BUTTON	POWER SUPPLY	COMMENTS
4	SINGLE FLUSH, EXTERIOR, PUSH/PULL, WALL STOP, DEADBOLT	4	PUSH PLATE/PULL BAR	Yes	WALL	3	No	Yes	Yes	Yes	Yes	Yes	No	No	No	1
12	-varies-	3	STORAGE	Yes	HINGE	3	No	Yes	Yes	Yes	Yes	Yes	No	No	No	2
15	INSULATED ROLLING DOOR	-	BY MANUFACTURER	No	N/A	-	No	Yes	No	Yes	No	No	No	No	No	3

DOOR HARDWARE COMMENTS

1. PROVIDE DEADBOLT WITH TUMBTURN. BASIS OF DESIGN: SARGENT MODEL NO. 4878 FOR PUBLIC TOILETS.
2. ALL HARDWARE FOR MECHANICAL ROOM DOORS SHALL BE STAINLESS STEEL, TYPE 316.
3. PROVIDE INSULATED ROLLING DOOR. BASIS OF DESIGN: CORNELL THERMISER INSULATED ROLLING DOOR, MODEL NO. ESD20, STAINLESS STEEL, TYPE 316, #4 FINISH.

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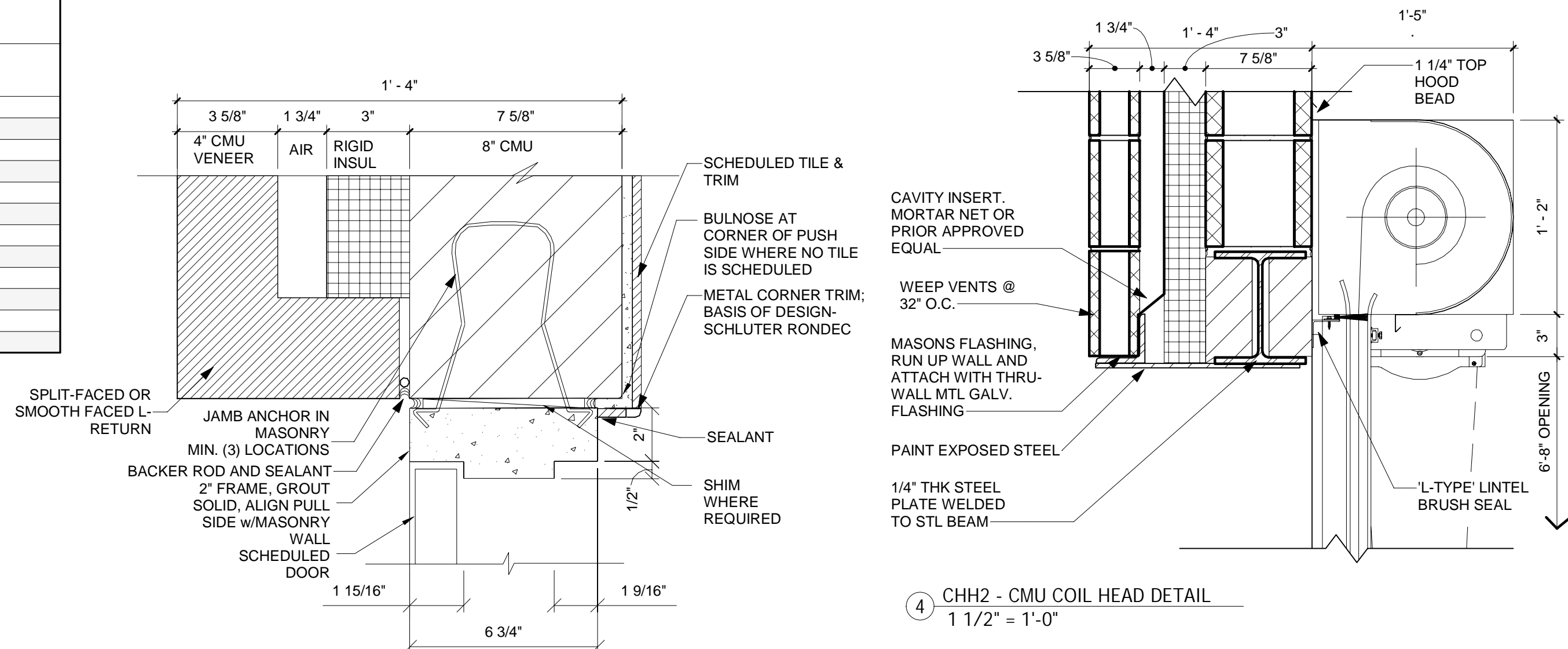
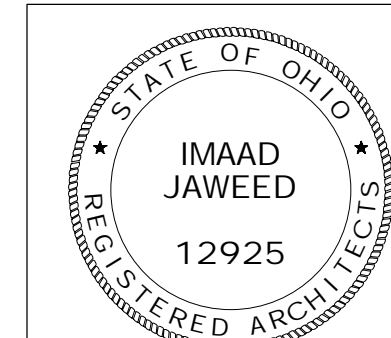
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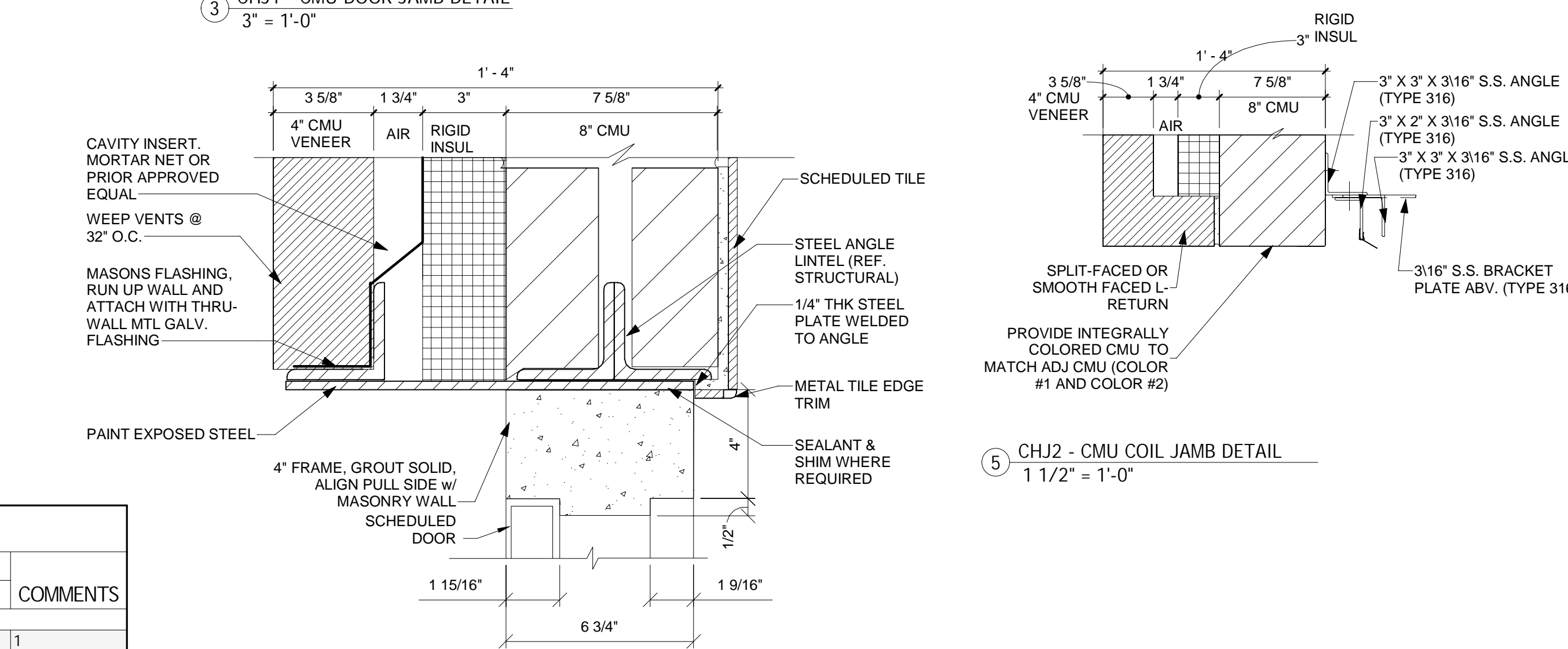
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1118 Pendleton Street, Suite 301
Cincinnati, Ohio 45202
www.meisnerandassociates.com



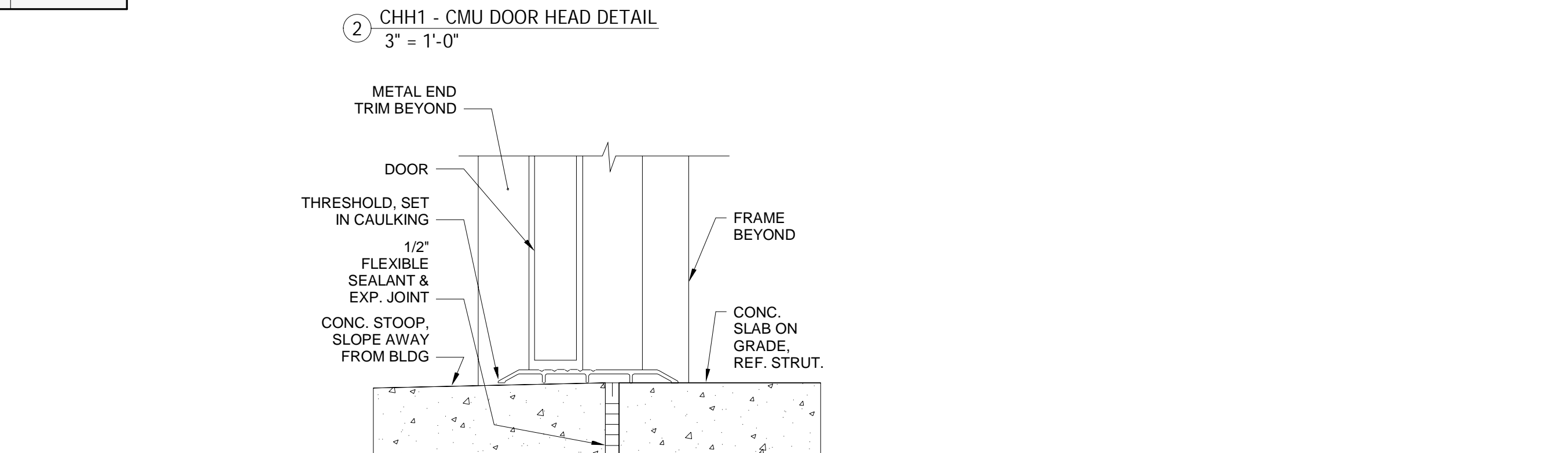
KRAEMER DESIGN + PRODUCTION
252 Ludlow Avenue
Cincinnati, OH 45220
www.kd-p.com



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



4 CHH2 - CMU COIL HEAD DETAIL
1 1/2" = 1'-0"



5 CHJ2 - CMU COIL JAMB DETAIL
1 1/2" = 1'-0"



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

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DESIGNED BY:	DESIGNER	JOB NUMBER:	DNR-250011
DRAWN BY:	DRAFTER	SCALE:	
CHECKED BY:	REVIEWER	DATE:	11/14/25
APPROVED BY:	Approver	REVISION OR ISSUE:	12/03/25

SCHEDULES AND DETAILS
A.603

GENERAL STRUCTURAL NOTES

CODES & STANDARDS

- ASCE STANDARDS (ASCE/SEI 7-22), MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

CONSTRUCTION AND SAFETY

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

DESIGN LOADS

OCCUPANCY CATEGORY, TABLE 1604.5 - II

- 1. LIVE LOADS (SECTION 1607):
ROOF LIVE LOAD 20 PSF
CORRIDORS ABOVE FIRST FLOOR 80 PSF
FIRST-FLOOR CORRIDORS 100 PSF
2. SNOW LOAD (OHIO BUILDING CODE-2024, SECTION 1609):
SNOW LOAD ON GROUND, Pg = 20 PSF
SNOW LOAD ON ROOF, Pf = 14 PSF
SNOW EXPOSURE FACTOR 1.0
IMPORTANT FACTOR 1.0
THERMAL FACTOR 1.0
3. RAIN LOAD:
i. 100 YEAR, 1 HOUR RAINFALL - 2.75"
4. WIND LOAD (OBC-2024, SECTION 1609):
i. ULTIMATE DESIGN WIND SPEED = 115 MPH
ii. NOMINAL WIND SPEED (Vasd) = 89 MPH
iii. BUILDING OCCUPANCY CATEGORY = II
iv. WIND EXPOSURE CATEGORY = C
v. INTERNAL PRESSURE COEFFICIENT, GCpi = +/-0.18

DESIGN LOADS

- 5. EARTHQUAKE DESIGN DATA (SECTION 1613):
i. OCCUPANCY CATEGORY = II
ii. MAPPED SPECTRAL RESPONSE: Ss = 0.118; S1 = 0.061
iv. SITE CLASS = D
v. SPECTRAL RESPONSE COEFFICIENTS: SDS = 0.125; SD1 = 0.098
vi. SEISMIC DESIGN CATEGORY = B
vii. BASIC SEISMIC FORCE RESISTING SYSTEM = ORDINARY REINFORCED MASONRY WALLS
viii. SEISMIC RESPONSE COEFFICIENT, Cs = 0.042
ix. RESPONSE MODIFICATION FACTOR, R = 2.5
ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE METHOD

CONCRETE FOUNDATIONS

- 1. DESIGN SOIL BEARING PRESSURE IS 1,500 PSF.
2. ALLOWABLE SOIL BEARING TO BE VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER AFTER THE FOUNDATION HAS BEEN EXCAVATED, PRIOR TO PLACEMENT OF CONCRETE.
3. NOTIFY THE ARCHITECT/ENGINEER OF RECORD AS SOON AS POSSIBLE OF ANY UNUSUAL SOIL CONDITIONS OR SOIL CONDITIONS IN VARIANCE WITH TEST BORING, SUCH AS UNEXPECTED SPRING OR SEEPAGE WATER, MATERIAL DIFFERING FROM TEST BORINGS, OR SOIL OF QUESTIONABLE BEARING CAPACITY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND FINAL CLEARANCE OF ANY REQUIRED NEEDLING, UNDERPINNING, SHORING, OR BRACING OF EXISTING STRUCTURES.
5. STRUCTURAL FILL SHALL BE PLACED IN 8" LIFTS COMPACTED 95% OF MODIFIED OPTIMUM DENSITY.
6. NO BACKFILLING OF FOUNDATION WALLS SHALL BE UNDERTAKEN UNTIL SUITABLE WALL BRACING. TEMPORARY OR PERMANENT, HAS BEEN PROVIDED.
7. DO NOT PLACE FILL ON FROZEN GROUND. ALL SOIL SURROUNDING AND UNDER FOUNDATIONS SHALL BE PROTECTED FROM FREEZING & FROST ACTION DURING THE COURSE OF CONSTRUCTION. SOIL WHICH HAS BEEN ALLOWED TO FREEZE SHALL BE REMOVED.
8. BOTTOM OF EXTERIOR FOOTINGS SHALL BE AT LEAST 2'-8" BELOW FINISHED GRADE.
9. FOUNDATIONS SHALL BE CENTERED UNDER COLUMNS/WALLS UNLESS NOTED OTHERWISE.

CAST-IN-PLACE CONCRETE

- 1. CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF:
A. AMERICAN CONCRETE INSTITUTE CODES AND STANDARDS, INCLUDING, BUT NOT LIMITED TO, ACI 301 (AS MODIFIED IN THE PROJECT MANUAL), ACI 305.1, ACI 306, ACI 315, ACI 318 AND SP-15.
B. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS:
A. 4000 PSI WITHOUT ENTRAINED AIR FOR ALL CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE.
B. 4000 PSI WITH 5% ENTRAINED AIR FOR ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER, SEE SPECIFICATIONS FOR MORE DETAILS.
ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60 U.N.O.
3. ALL REINFORCING DETAILS SHALL CONFORM TO ACI 315-80, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
4. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. NECESSARY TO SUPPORT REINFORCING STEEL. SUPPORT ITEMS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL. CONCRETE CUBES SHALL BE USED FOR THE SUPPORT OF REINFORCING ON GRADE.
5. CONTRACTOR SHALL REVIEW ALL DRAWINGS FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, OPENINGS, ETC. REQUIRED BY OTHER TRADES. RECONCILE THEIR EXACT SIZES AND LOCATIONS BEFORE PROCEEDING WITH THE WORK. ALL ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE. SECURE THE APPROVAL OF THE STRUCTURAL ENGINEER PRIOR TO PLACING OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

CAST-IN-PLACE CONCRETE

- 6. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, THE LENGTH OF ANY HOOK, IF REQUIRED, IS NOT INCLUDED. USE STANDARD 90 DEGREE BAR HOOK U.N.O.
7. DRYPACK:
A. DRYPACK SHALL BE 5000 PSI NON-SHRINK GROUT, FIVE STAR OR EQUIVALENT APPROVED.
B. INSTALL DRYPACK UNDER ALL BEAM BEARING PLATES PRIOR TO FRAMING MEMBER IS INSTALLED.
8. FOOTINGS, WALLS:
A. DOWELS IN FOOTINGS SHALL MATCH VERTICAL WALL REINFORCING UNLESS SHOWN OTHERWISE.
9. FOOTINGS, ALL CONSTRUCTION JOINTS BELOW GRADE SHALL HAVE WATERSTOPS.
10. THE HARDENED CONCRETE OF HORIZONTAL CONSTRUCTION JOINTS SHALL BE DAMPENED AND THEN THOROUGHLY COVERED WITH A COAT OF CEMENT GROUT OF SIMILAR PROPORTIONS TO THE MORTAR IN THE CONCRETE. THE FRESH CONCRETE SHALL BE PLACED BEFORE THE GROUT HAS ATTAINED ITS INITIAL SET.
11. WELDING OF REINFORCING STEEL IS NOT PERMITTED.
12. COMPLY WITH ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF SPECIAL FINISHES OR TREATMENTS TO EXPOSED CONCRETE.
13. PROVIDE 6 X 6 - W2.9 X W2.9 WELDED WIRE FABRIC IN ALL SLABS-ON-GRADE, UNLESS OTHERWISE NOTED.
14. PLACE WELDED WIRE FABRIC IN SLABS-ON-GRADE 2 INCHES DOWN FROM THE TOP OF SLAB, UNLESS OTHERWISE NOTED.
15. REINFORCING BAR LAP SPLICES AND ANCHORAGE LENGTH SHALL CONFORM TO ACI REQUIREMENTS.

MASONRY CONSTRUCTION

- 1. MASONRY WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE REFERENCES AND STANDARDS LISTED BELOW, EXCEPT AS MODIFIED HEREIN, IN ADDITION TO ALL OTHER REQUIREMENTS OF THE CONTRACT DOCUMENTS AND STANDARD PRACTICES.
A. NATIONAL CONCRETE MASONRY ASSOCIATION
B. BRICK INSTITUTE OF AMERICA
C. AMERICAN CONCRETE INSTITUTE, COMMITTEE 530
2. CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C331 WITH A DRY NET WEIGHT OF NOT MORE THAN 115 PCF.
A. HOLLOW LOAD-BEARING: ASTM C-90. GRADE N-1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI, EACH UNIT, NET CROSS-SECTIONAL AREA. ALL LOAD-BEARING BLOCK UNITS SHALL BE MANUFACTURED SO THE CORES AND WEBS LINE UP WHEN LAID IN RUNNING BOND.
B. SOLID LOAD-BEARING: PROVIDE UNITS COMPLYING WITH ASTM C-145, GRADE N-1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI, EACH UNIT. NET CROSS-SECTIONAL AREA.
C. HOLLOW NON-LOAD-BEARING: ASTM C-129 TYPE 1.
3. MORTAR FOR LOAD-BEARING WALLS, EXTERIOR WALLS, SHEAR WALLS, AND VERTICALLY REINFORCED MASONRY WALLS SHALL BE ASTM C-270 TYPE M, WITH A MINIMUM COMPRESSIVE STRENGTH OF 750 PSI IN 28 DAYS.
4. MORTAR FOR PARTITIONS AND NON-BEARING WALLS SHALL BE ASTM C-270 TYPE N, WITH A MINIMUM COMPRESSIVE STRENGTH OF 750 PSI IN 28 DAYS.
5. CONCRETE MASONRY UNITS SHALL BE MANUFACTURER'S STANDARD UNITS WITH NOMINAL FACE DIMENSIONS OF 16" LONG X 8" HIGH (15-5/8" X 7-5/8" ACTUAL), UNLESS OTHERWISE SHOWN.
6. PROVIDE SPECIAL SHAPES WHERE SHOWN AND WHERE REQUIRED FOR LINTELS, CORNERS, JAMBS, SASH, CONTROL JOINTS, HEADERS, BONDING, AND OTHER SPECIAL CONDITIONS.
7. REINFORCED MASONRY: WHERE VERTICAL BARS ARE TO BE GROUTED INTO CORES, THE FOLLOWING REQUIREMENTS APPLY:
A. COARSE GROUT FOR REINFORCED MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C-476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
B. PROVIDE DOWELS FROM FOOTING, SAME SIZE AND SPACING AS WALL BARS. LAP 12" MINIMUM WITH WALL BAR UNLESS NOTED OTHERWISE. EMBED INTO FOOTING 8" PLUS STANDARD 90° HOOK.

MASONRY CONSTRUCTION

- C. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICAL. DOWELS SHALL BE GROUTED INTO A CORE IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCEMENT.
D. AT SPLICES IN VERTICAL BARS, PROVIDE MECHANICAL COUPLERS OR 48 BAR DIAMETER LAP.
E. PROVIDE REBAR ALIGNMENT DEVICES AT A MAXIMUM SPACING OF 192 BAR DIAMETERS.
F. BAR REINFORCING: ASTM A615, GRADE 60.
7. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS FILLED WITH COARSE GROUT. THE FIRST CELL AT CORNERS AND END WALLS SHALL BE GROUTED AND REINFORCED WITH (1) - #4 BAR. THE FIRST CELL NEXT TO AN OPENING SHALL BE GROUTED AND REINFORCED WITH (1) - #4 BAR EXTENDING 2'-0" ABOVE THE TOP OF THE OPENING.
8. ALL MASONRY WALLS SHALL HAVE GALVANIZED HORIZONTAL JOINT REINFORCING: TRUSS TYPE, #9 GAGE SIDE AND CROSS RODS.
9. SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". THE CONSTRUCTION PROCESS KNOWN AS "WET STICKING" IS NOT PERMITTED.
10. WALL CONSTRUCTION UNDER MASONRY BEARING STRUCTURAL MEMBERS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
A. PROVIDE BOND BEAM AS DETAILED ON THE DRAWINGS UNDER WALL BEARING STEEL JOISTS. BOND BEAM SHALL BE FILLED WITH 3000 PSI CONCRETE. CONTRACTOR SHALL PLACE ANCHOR BOLTS OR EMBEDDED ITEMS IN COARSE GROUT AS NOTED ON DRAWINGS.
B. PROVIDE SOLID MASONRY, 32" LONG AND 24" HIGH, CENTERED UNDER EACH WALL BEARING STEEL BEAM.
C. PROVIDE CONTINUOUS SOLID MASONRY, 8" HIGH, UNDER WALLS BEARING PRECAST OR CAST-IN-PLACE CONCRETE SLABS.
11. ALL UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HEAD, BED (FACE SHELLS), WEBS, AND COLLAR JOINTS, UNLESS OTHERWISE NOTED.
12. MOISTURE RESISTANT MORTAR ADDITIVE SHALL BE PROVIDED IN ALL EXTERIOR MASONRY:
A. OMICRON MORTARPROOFING, MASTER BUILDERS
B. HYDROLOX 400, CHEM-MASTERS CORP.
C. MYDROCIDE POWER, SONNEBORN
13. DO NOT USE CALCIUM CHLORIDE OR ANY ADDITIVE THAT CONTAINS CALCIUM CHLORIDE IN THE MORTAR OR GROUT.
14. PROTECT MASONRY FROM FREEZING WHEN THE TEMPERATURE IS 40 FAHRENHEIT AND FALLING. COMPLY WITH THE "CONSTRUCTION AND PROTECTION RECOMMENDATIONS FOR COLD WEATHER MASONRY CONSTRUCTION" OF THE BRICK INSTITUTE OF AMERICA (BIA).
15. DO NOT USE FROZEN MATERIALS OR MATERIALS MIXED OR COATED WITH ICE OR FROST. FOR MASONRY WHICH IS TO BE WETTED, COMPLY WITH BIA RECOMMENDATIONS.
16. DO NOT BUILD ON FROZEN WORK. REMOVE AND REPLACE MASONRY WORK DAMAGED BY FROST OR FREEZING.
17. PROVIDE LINTELS OVER ALL OPENINGS IN MASONRY WALLS. REFER TO ARCHITECTURAL AND HVAC DRAWINGS FOR LOCATION, NUMBER AND SIZES OF OPENINGS.
18. PRECAST CONCRETE MASONRY LINTELS: fm ≥ 2500 PSI AT 28 DAYS WITH REINFORCING BARS, ASTM A615, 60 KSI.
19. UNLESS NOTED OTHERWISE, IN ALL BEARING WALLS PROVIDE #4 VERTICAL BARS CENTERED IN GROUTED CELLS AT CORNERS, WITHIN 16" OF EACH SIDE OF OPENINGS, WITHIN 8" OF EACH SIDE OF CONTROL JOINTS, WITHIN 8" OF END, AND 10'-0" ON CENTER MAXIMUM.
20. PROVIDE VERTICAL CONTROL JOINTS SPACED AT 24'-0" MAXIMUM.
21. PROVIDE BOND BEAMS WITH 2-#5 CONTINUOUS. BOND BEAMS SHALL BE PLACED AT NO GREATER THAN 10'-0" O.C. VERTICALLY.

STRUCTURAL STEEL MASONRY LINTELS

- 1. THE FABRICATOR SHALL SUPPLY LOOSE LINTEL ANGLES OVER ALL MASONRY OPENINGS AND RECESSES UNLESS NOTED OTHERWISE. LINTELS NOT SCHEDULED ON DRAWINGS SHALL CONSIST OF A SINGLE ANGLE WITH A 3-1/2" LEG HORIZONTAL FOR EACH 4" OF WALL THICKNESS, ANGLES SHALL BE AS FOLLOWS:

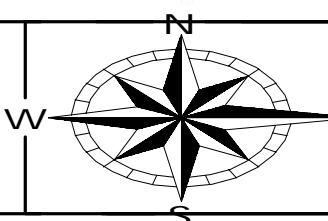
STRUCTURAL STEEL MASONRY LINTELS

- 2. MASONRY OPENING ANGLE SIZE BEARING EACH END
4'-0" OR LESS 3-1/2" X 3-1/2" X 5/16" 6"
4'-1" TO 6'-0" 4 X 3-1/2" X 5/16" 6"
6'-1" TO 7'-0" 5 X 3-1/2" X 3/8" 8"
7'-1" TO 8'-0" 6 X 3-1/2" X 5/16" 8"
8'-1" TO 10'-0" W12X19 w/ 5/16" BOTTOM PLATE 8"
10'-1" TO 12'-0" W16X26 w/ 5/16" BOTTOM PLATE 12"
3. ALL LINTELS EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED.
4. ALL BEAM LINTELS SHALL HAVE 16" OF SOLID MASONRY BELOW BEARING END, UNLESS NOTED OTHERWISE.
5. ALL ANGLE LINTELS SHALL HAVE 8" OF SOLID MASONRY BELOW BEARING END, UNLESS NOTED OTHERWISE.
6. BOTTOM PLATES ON BEAMS SHALL BE 1/2" LESS IN WIDTH THAN THE WALL THICKNESS AND EXTEND FOR THE FULL LENGTH OF BEAM INCLUDING THE BEARING ENDS UNLESS NOTED OTHERWISE.
7. BOTTOM PLATES SHALL BE WELDED TO BEAM WITH A 1/4" FILLET WELD 3" LONG ON BOTH SIDES AT 9" ON CENTER, STAGGER PLACEMENT OF WELDS FROM SIDE TO SIDE.
STRUCTURAL STEEL CONSTRUCTION
1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS - LATEST EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1-88.
3. STRUCTURAL STEEL:
A. ROLLED STEEL SHAPES: ASTM A992 GRADE 50.
B. STEEL PLATES, BARS, AND RODS AND ROLLED STEEL ANGLES AND CHANNELS: ASTM A36.
C. STEEL TUBING: ASTM A500, GRADE B.
D. STEEL PIPE: ASTM A53, TYPE E OR S, GRADE B.
E. ANCHOR BOLTS: ASTM A307.
4. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS - ALLOWABLE STRESS DESIGN" AS APPROVED BY THE COUNCIL ON RIVETED AND BOLTED JOINTS. USE BEARING-TYPE BOLTS WITH THREADS ALLOWED ACROSS THE SHEAR PLANE.
5. WELDING ELECTRODES SHALL BE E-70 OR BETTER. FOR WELDING SYMBOLS WITH NO LENGTH DIMENSION GIVEN, THE WELDING SHALL BE CONTINUOUS BETWEEN ABRUPT CHANGES IN DIRECTION. WELDS NOT OTHERWISE NOTED SHALL BE 1/4" IN SIZE.
6. IN GENERAL, IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT ALL SHOP CONNECTIONS BE WELDED AND ALL FIELD CONNECTIONS BE BOLTED EXCEPT WHERE NOTED OTHERWISE.
A. NON-COMPOSITE BEAM CONNECTIONS SHALL BE DESIGNED TO DEVELOP 55% OF THE TOTAL LOAD CAPACITY DERIVED FROM THE ALLOWABLE UNIFORM LOAD TABLES FOR Fy=50 KSI. IN PART 2 OF THE NINTH EDITION OF THE AISC "MANUAL OF STEEL CONSTRUCTION", UNLESS THE REACTION 'R' IS SHOWN ON THE DRAWINGS.
7. VERIFY THE EXACT SIZE AND LOCATION OF ALL OPENINGS PRIOR TO FABRICATION OF STEEL FRAMING MEMBERS.
8. PROVIDE BEARING PLATES UNDER STEEL BEAMS OF ADEQUATE SIZE TO KEEP MASONRY BEARING PRESSURE UNDER 250 PSI. STEEL BEAMS AND GIRDS SHALL BEAR A MINIMUM OF 8" ON MASONRY, UNLESS OTHERWISE NOTED.
9. PROVIDE A NON-METALLIC, NON-SHRINK GROUT UNDER ALL COLUMN BASE PLATES AND BEAM BEARINGS.
10. EMBEDMENT LENGTH OF HILTI EXPANSION BOLTS, OR APPROVED SUBSTITUTION, INTO SOLID MASONRY OR CONCRETE SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
1/2" DIAMETER BOLTS - 3-1/2" EMBEDMENT
3/4" DIAMETER BOLTS - 5" EMBEDMENT
11. TYPICAL BEAM SHEAR CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL BE DETAILED WITH STANDARD DOUBLE ANGLE TYPE CONNECTIONS, USING A325 BOLTS.
12. ALL STEEL, UNLESS OTHERWISE NOTED, SHALL BE SHOP CLEANED (SSPC SP-2) AND SHALL RECEIVE ONE COAT OF PRIMER PAINT COMPATIBLE WITH OWNER'S FINISH COAT OF PAINT. ALL INTERIOR EXPOSED STEEL SHALL BE PAINTED. ALL EXTERIOR EXPOSED STEEL SHALL BE HOT DIP GALVANIZED.

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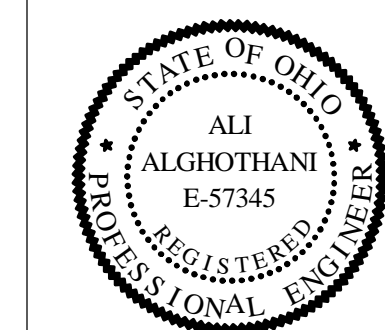


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GENERAL NOTES & TYPICAL DETAILS



S.01

SCHEDULE OF SPECIAL INSPECTIONS (PER REQUIREMENT OF CHAPTER 17 "STRUCTURAL TESTS AND SPECIAL INSPECTIONS", IBC 2024)					
#	INSPECTION TASK (CODE REFERENCE)	Y/N	SCOPE OF SERVICE	FREQUENCY	REFERENCE STANDARD
GENERAL SPECIAL INSPECTION NOTES					
1.	SUBMIT FINAL REPORT OF SPECIAL INSPECTIONS INDICATING THAT THE SPECIAL INSPECTIONS HAVE BEEN PERFORMED AND ALL DISCOVERED DISCREPANCIES HAVE BEEN REPORTED AND RESOLVED	--	IN ACCORDANCE WITH CONTRACT DOCUMENTS AND BUILDING CODE	--	
2.	INTERIM REPORTS SUBMITTED PRIOR TO THE FINAL REPORT FORM A BASIS FOR AND ARE CONSIDERED TO BE AN INTEGRAL PART OF THE FINAL REPORT.	--		--	
3.	SUBMIT RECORDS, REPORTS, CERTIFICATES ETC. FOR THE SPECIAL INSPECTIONS REQUIRED INCLUDING ITEMS THAT DO NOT REQUIRE CONTINUOUS OR PERIODIC TESTING AND/OR OBSERVATION.	--		--	
4.	LETTERS IN FREQUENCY COLUMN INDICATE THE FOLLOWING: C = CONTINUOUS, P = PERIODIC, S = SUBMITTAL.			--	
CONCRETE CONSTRUCTION (1705.3)					
C-1	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	Y		P	ACI 318 Ch. 20, Sec. 25.2, 25.3, 26.6.1-26.6.3; IBC 1908.4
C-2	INSPECTION OF REINFORCING STEEL WELDING	--		--	
	A. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	Y	REVIEW AS PER AWS AND APPROVED SHOP DRAWINGS AND CONTRACT DOCUMENTS	P	AWS D1.4 ; ACI 318 Sec. 26.6.4
	B. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SHEAR WALLS AND SHEAR REINFORCEMENT	N		C	AWS D1.4 ; ACI 318 Sec. 26.6.4
	C. SHEAR REINFORCEMENT	N		C	AWS D1.4 ; ACI 318 Sec. 26.6.4
	D. OTHER REINFORCING STEEL	Y		P	AWS D1.4 ; ACI 318 Sec. 26.6.4
C-3	INSPECTION OF ANCHORS, BOLTS, AND ANCHOR RODS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED	Y	VERIFY SIZE, LOCATIONS, SPACING, ORIENTATION, COVER, & SPLICING CONFORM TO APPROVED SHOP DRAWINGS AND CONTRACT DOCUMENTS	P	ACI 318: Sec. 17.8.2
C-4	INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE	Y	VERIFY SIZE, LOCATIONS, SPACING, ORIENTATION, COVER, & SPLICING CONFORM TO APPROVED SHOP DRAWINGS AND CONTRACT DOCUMENTS	P	ACI 318 3.8.6, 8.1.3, 21.2.8; IBC 1909.1
	A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.			C	ACI 318 17.8.2.4
	B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.			P	ACI 318 17.8.2
C-5	VERIFYING USE OF REQUIRED DESIGN MIX	Y		P	ACI 318 Ch. 19, Sec. 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3

SCHEDULE OF SPECIAL INSPECTIONS (PER REQUIREMENT OF CHAPTER 17 "STRUCTURAL TESTS AND SPECIAL INSPECTIONS", IBC 2024)					
#	INSPECTION TASK (CODE REFERENCE)	Y/N	SCOPE OF SERVICE	FREQUENCY	REFERENCE STANDARD
C-6	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	Y		C	ASTM C 172, ASTM C 31; ACI 318 Sec. 26.4.26.12 ; IBC 1910.10
C-7	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	Y	VERIFY PLACEMENT, FINISHING HOT/COLD WEATHER REQUIREMENTS AND CONSOLIDATIONS	C	ACI 318 Sec. 26.5 ; IBC 1908.6, 1908.7, 1908.8
C-8	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	Y	VERIFY CURING REQUIREMENTS	P	ACI 318 Sec. 26.5 ; IBC 1908.9
C-9	INSPECTION OF PRESTRESSED CONCRETE	--	VERIFY THAT THE PLACEMENT OF TENDONS, CONCRETING, AND APPLICATION OF FORCES CONFORMS TO CONTRACT DOCUMENTS	--	ACI 318 CH. 18
	A. TENDON STEEL AND PLACEMENT	N		P	
	B. APPLICATION OF PRESTRESSING FORCES	N		C	ACI 318 18.20
	C. GROUING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE- RESISTING SYSTEM	N		C	ACI 318 18.18.4
	D. VERIFICATION OF CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS	N		P	
C-10	ERECTION OF PRECAST CONCRETE	N	VERIFY THAT THE ERECTION OF PRECAST CONCRETE MEMBERS ARE AS PER APPROVED SHOP DRAWINGS AND ARE IN CONFORMANCE WITH SPECIFIED TOLERANCES	P	ACI 318 Sec. 26.13.3.3
C-11	VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	N		P	ACI 318 Sec. 26.11.2
C-12	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	N		P	ACI 318: 26.11.2 (b)
MASONRY CONSTRUCTION (1705.4)					
	LEVEL 1 INSPECTION (NON-ESSENTIAL FACILITY 1704.5.2)	--	IN ACCORDANCE WITH APPROVED SUBMITTALS AND CONTRACT DOCUMENTS	P	TMS 402/ACI530/ASCE5 AND TMS 602/ACI 530.1/ASCE 6 ARTICLES TABLE 1.19.1
M1-1	VERIFY COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS	Y		P	TMS 602 1.5

SCHEDULE OF SPECIAL INSPECTIONS (PER REQUIREMENT OF CHAPTER 17 "STRUCTURAL TESTS AND SPECIAL INSPECTIONS", IBC 2024)					
#	INSPECTION TASK (CODE REFERENCE)	Y/N	SCOPE OF SERVICE	FREQUENCY	REFERENCE STANDARD
M1-2	VERIFICATION OF fm AND FAAC PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED	Y		P	TMS 602 1.4B
M1-3	VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT	Y		C	TMS 402 1.5B.1.b.3
M1-4	AS MASONRY CONSTRUCTION BEGINS, VERIFY:	--		--	
	A. PROPORTIONS OF SITE-PREPARED MORTAR	Y		P	TMS 2.6A
	B. CONSTRUCTION OF MORTAR JOINTS	Y		P	TMS 3.3B
	C. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES	Y		P	TMS 3.4, 3.6A
	D. PRESTRESSING TECHNIQUE	N		P	TMS 3.6B
	E. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	N		P	TMS 2.4B, 2.4H
M1-5	PRIOR TO GROUING, VERIFY TO ENSURE COMPLIANCE:	--		--	
	A. GROUT SPACE IS CLEAN	Y		P	TMS 3.2D
	B. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	Y		P	TMS 3.4, 1.13
	C. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	Y		P	TMS 2.6B
	D. CONSTRUCTION OF MORTAR JOINTS	Y		P	TMS 3.3B
M1-6	DURING CONSTRUCTION VERIFY:	--		--	

SCHEDULE OF SPECIAL INSPECTIONS (PER REQUIREMENT OF CHAPTER 17 "STRUCTURAL TESTS AND SPECIAL INSPECTIONS", IBC 2024)					
#	INSPECTION TASK (CODE REFERENCE)	Y/N	SCOPE OF SERVICE	FREQUENCY	REFERENCE STANDARD
	A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	Y		P	TMS 602 3.3F
	B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	Y		P	TMS 402 Sec. 1.2.1 (e) , 6.1.4.3, 6.2.1
	C. SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES	Y		P	TMS 402 Sec. 8.1.6.7.2, 9.3.3.4 (c), 11.3.3.4 (b)
	D. WELDING OF REINFORCING BARS	Y		C	TMS 402 2.1.7.7.2, 3.3.3.4 (c), 8.3.3.4 (B)
	E. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	Y		P	TMS 602 1.8 C, 1.8 D
	F. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	N		P	TMS 602 3.6 B
M1-7	GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE:	--		--	ACI 318 5.11-5.13; IBC 1910.9
	A. GROUING OF PRESTRESSING BONDED TENDONS	N		C	TMS 602 3.5, 3.6 C
M1-8	OBSERVE PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	Y		P	TMS 1.4

SOILS (1705.6)					
#	INSPECTION TASK (CODE REFERENCE)	Y/N	SCOPE OF SERVICE	FREQUENCY	REFERENCE STANDARD
SO-0	SITE SOIL CONDITIONS, FILL PLACEMENT, AND LOAD-BEARING REQUIREMENTS	Y	IN ACCORDANCE WITH APPROVED GEOTECHNICAL REPORT AND CONTRACT DOCUMENTS	--	
SO-1	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	Y		P	
SO-2	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	Y		P	
SO-3	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	Y		P	
SO-4	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Y		C	
SO-5	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	Y		P	

CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (1705.8)					
#	INSPECTION TASK (CODE REFERENCE)	Y/N	SCOPE OF SERVICE	FREQUENCY	REFERENCE STANDARD
CDF-1	INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	Y		C	
CDF-2	VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	Y	IN ACCORDANCE WITH APPROVED GEOTECHNICAL REPORT AND CONTRACT DOCUMENTS	C	
CDF-3	FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3.	Y		--	

SPRAYED FIRE-RESISTANT MATERIALS (1705.13)

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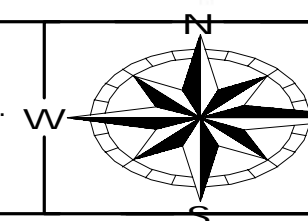
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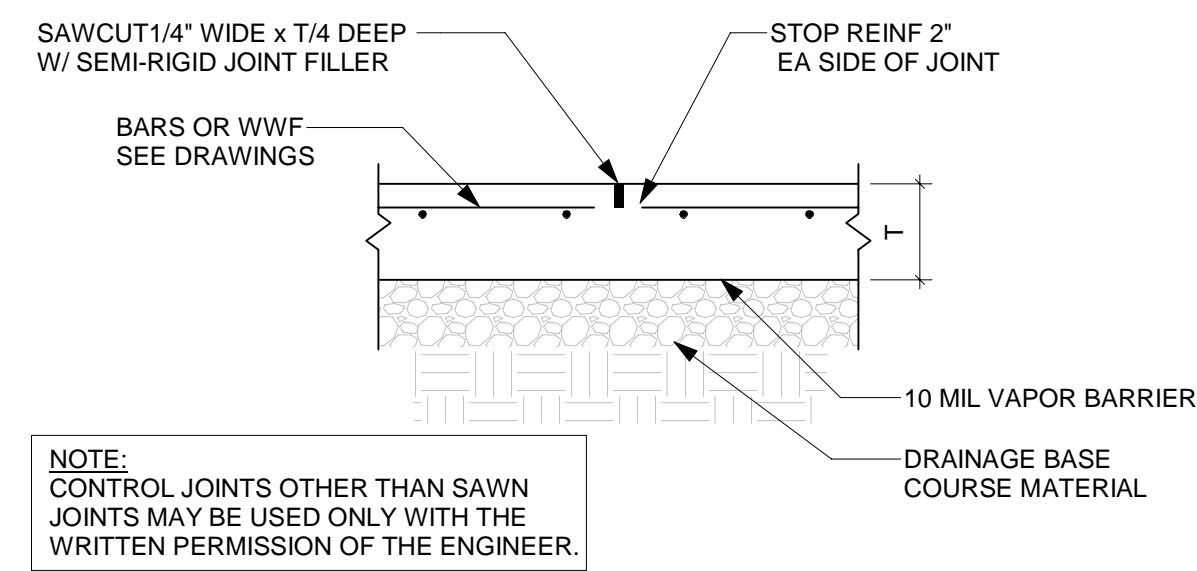
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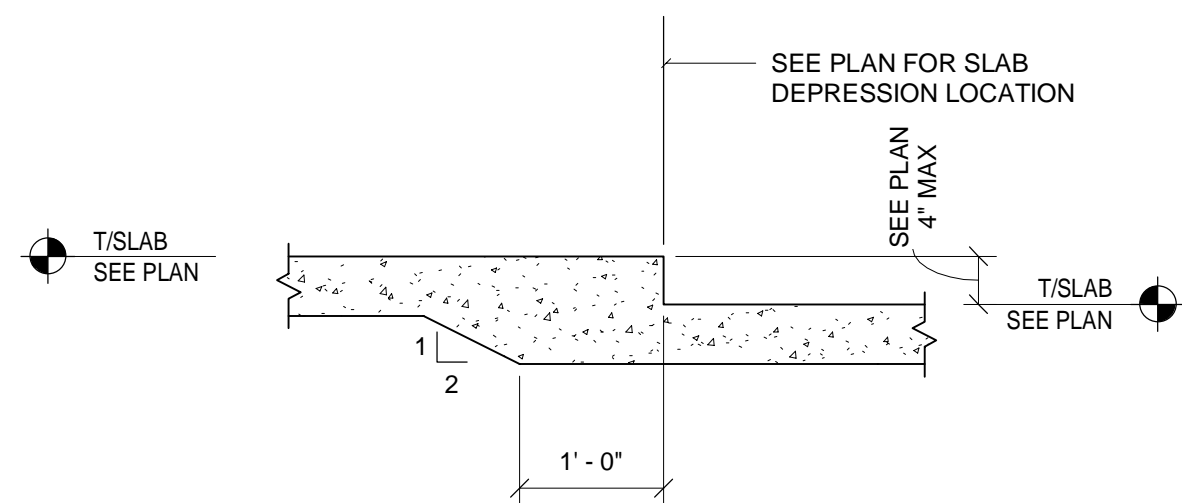
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SPECIAL INSPECTIONS

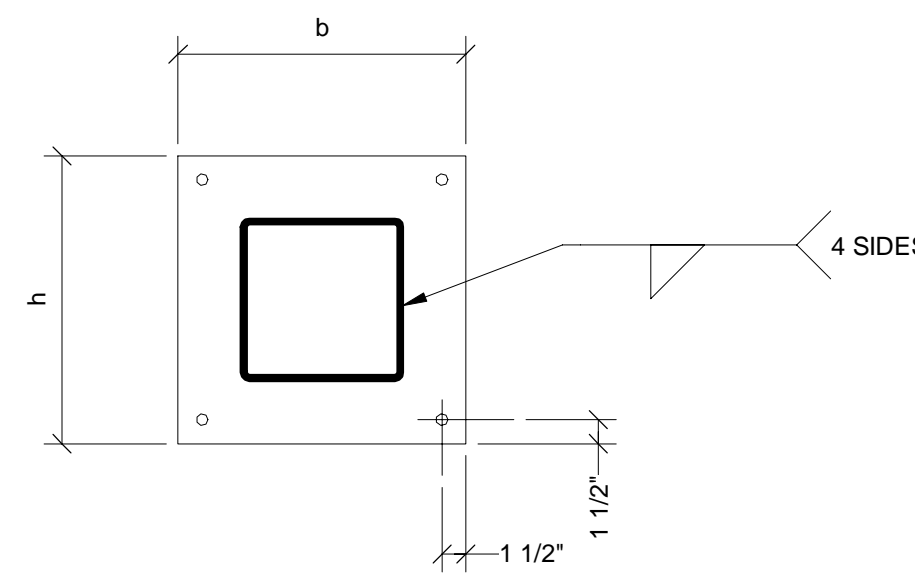
SO.1A



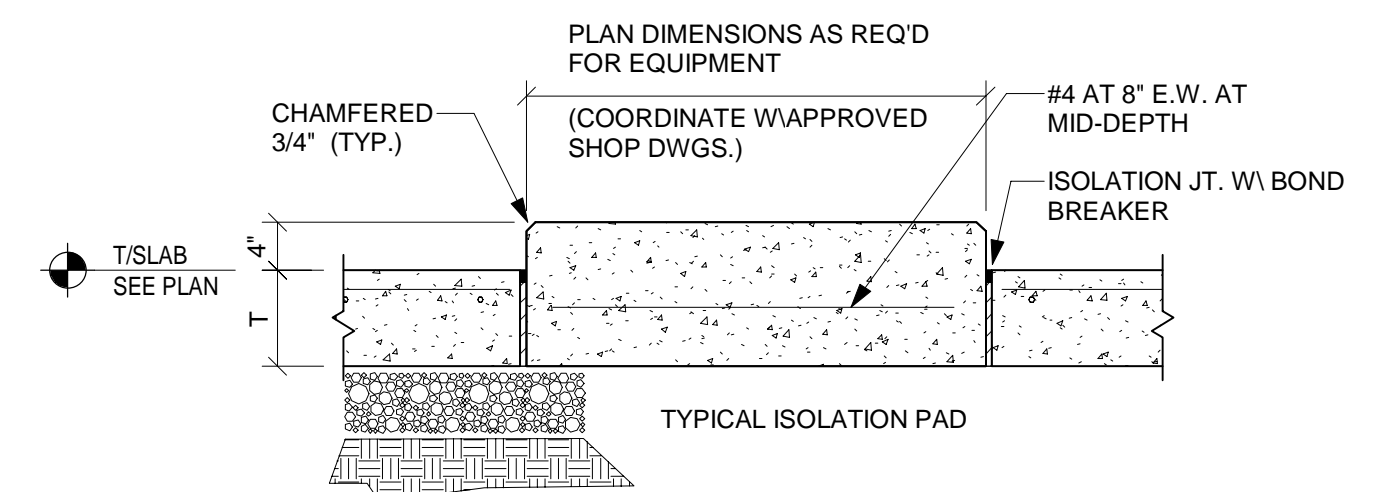
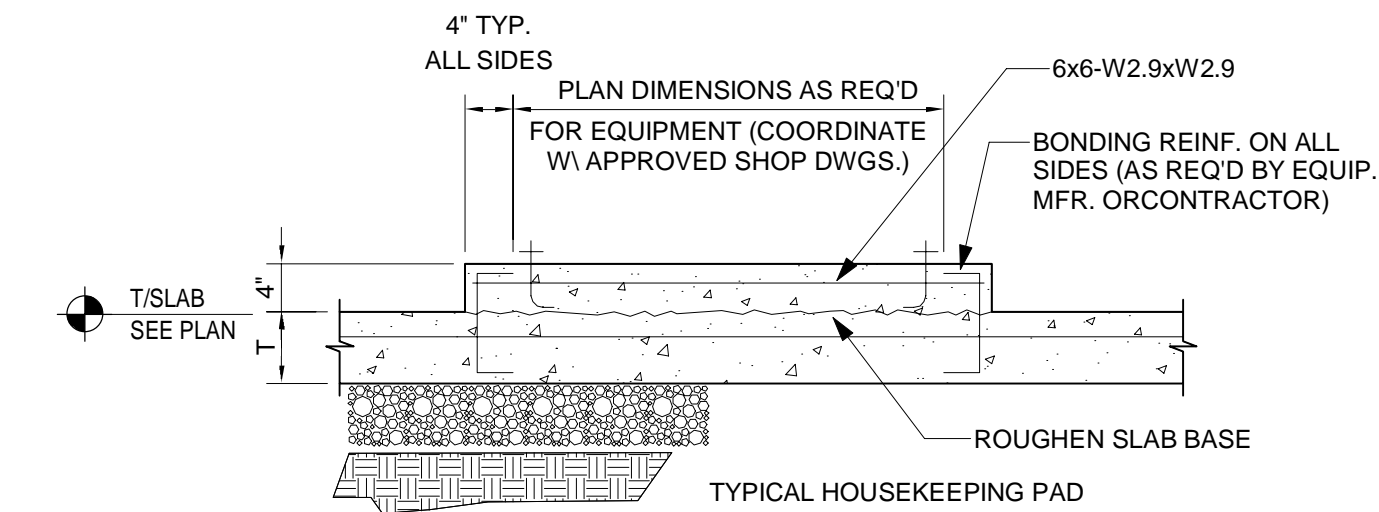
1 TYP. CONROL JOINT



1 TYP SOG DEPRESSION DETAIL
3/4" = 1'-0"

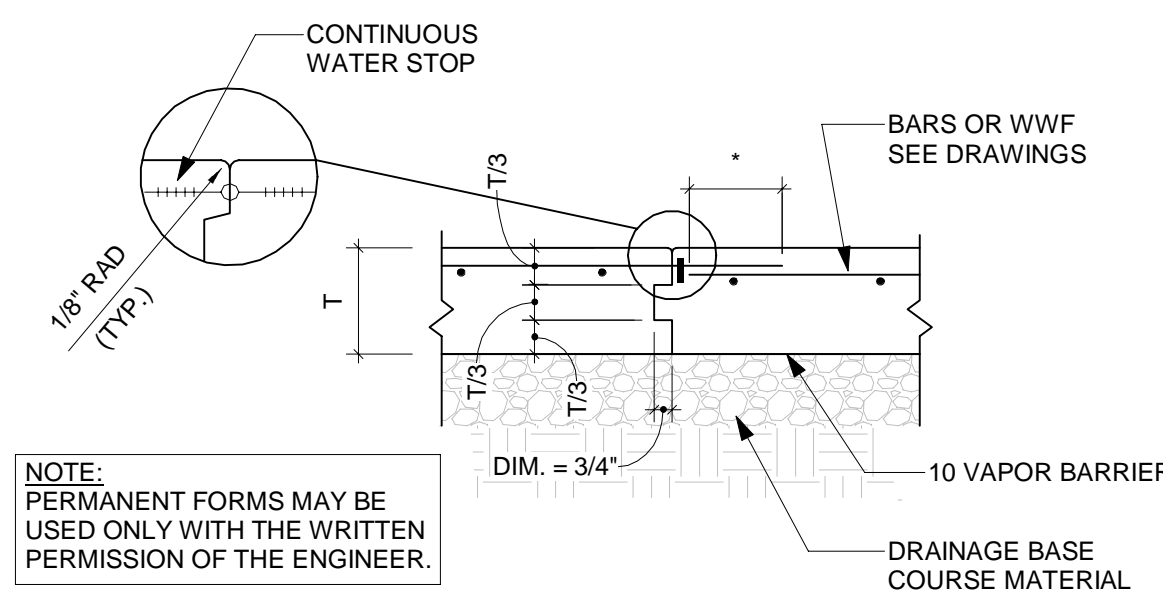


3 BASE PLATE DETAIL
1" = 1'-0"

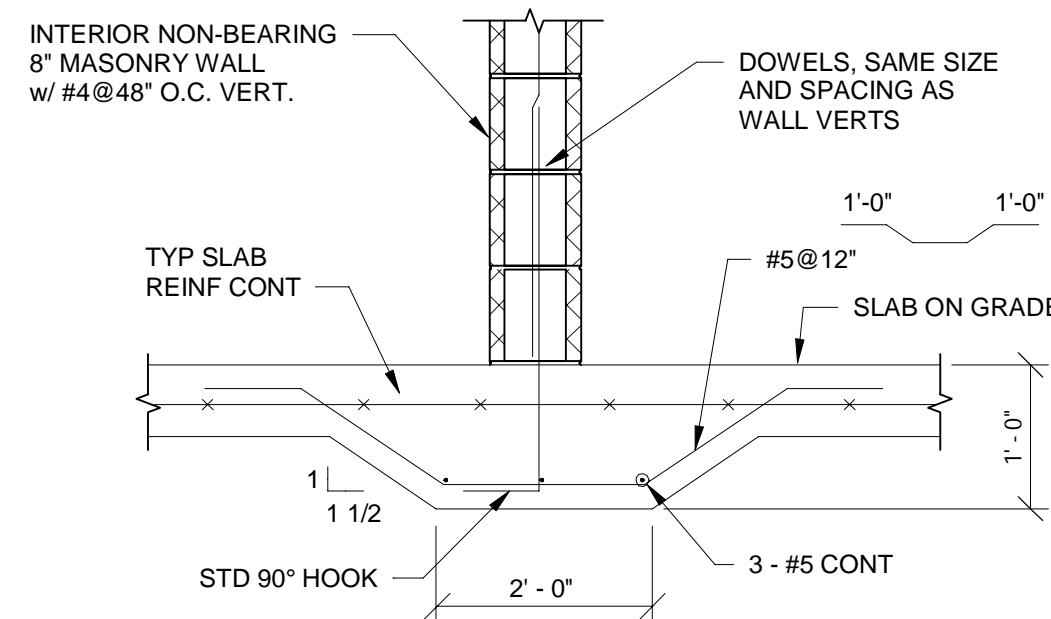


COORDINATE SIZE, QTY. & LOC. OF EQUIP. BOLTS IF REQ'D & PAD W/ EQUIP. SUPPLIER'S CERT. DWGS. SEE ARCH., MECH., ELEC. & PROCESS DWGS. FOR LOCATION OF EQUIP. PADS

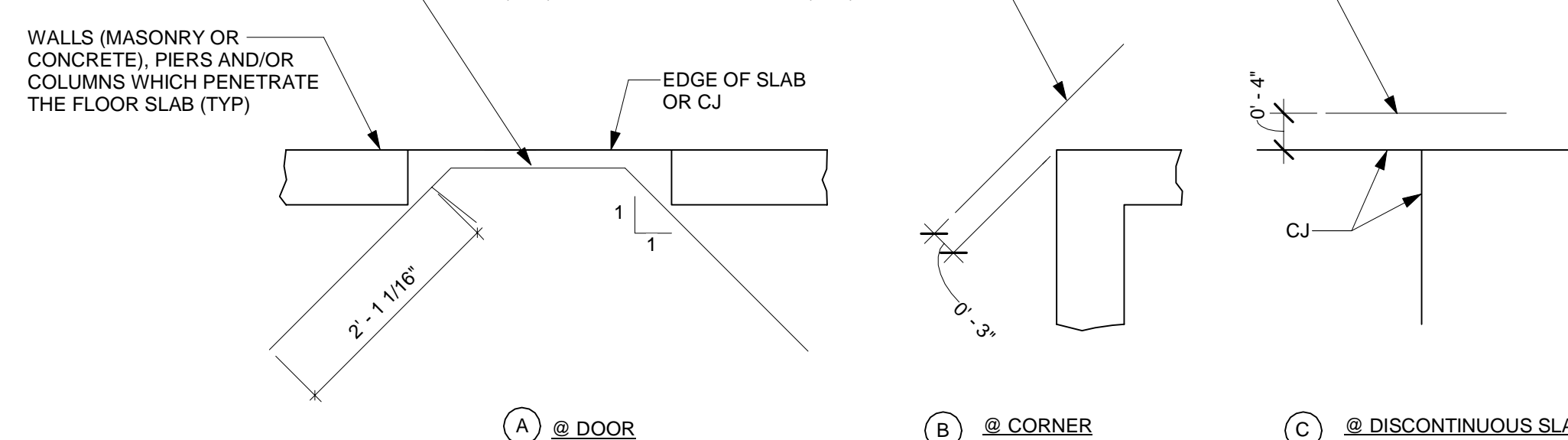
6 TYPICAL EQUIPMENT PAD DETAILS
3/4" = 1'-0"



2 TYP. CONSTRUCTION JOINT

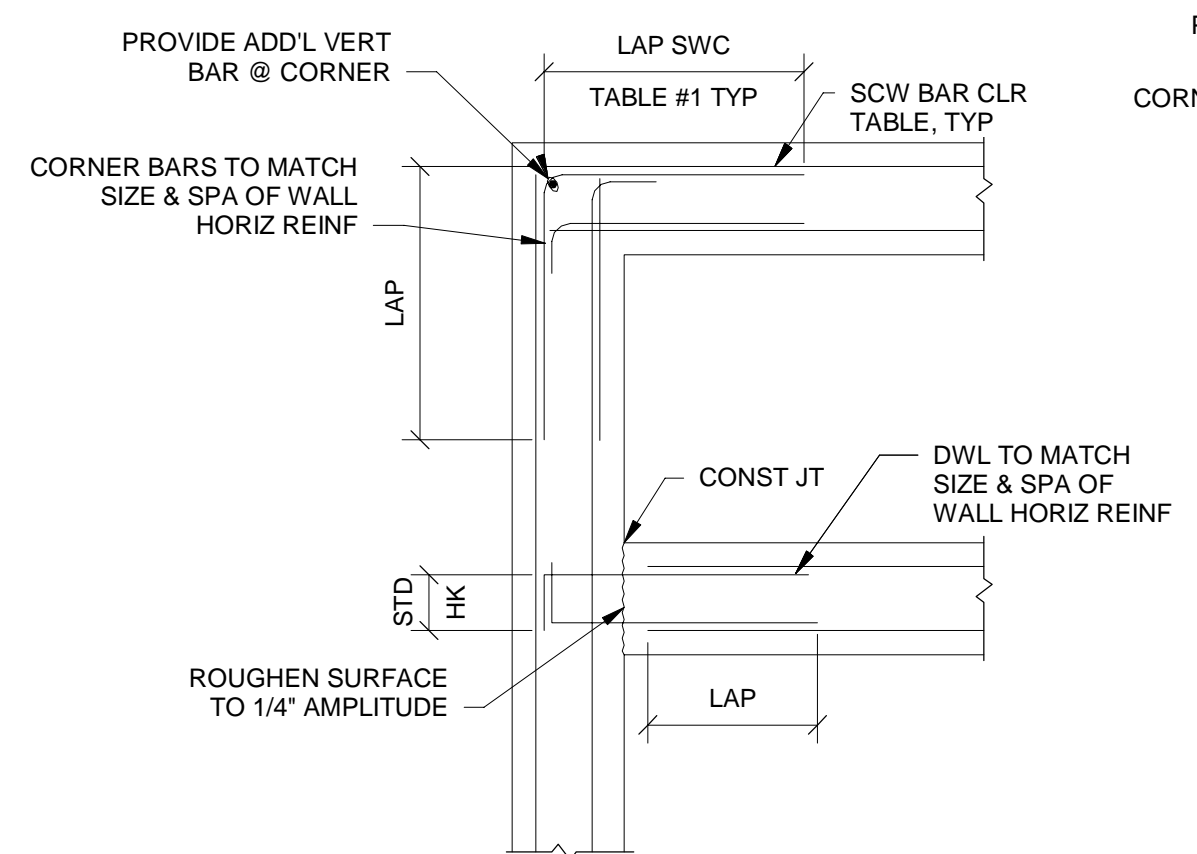


4 THICKENED SLAB DETAIL
3/4" = 1'-0"

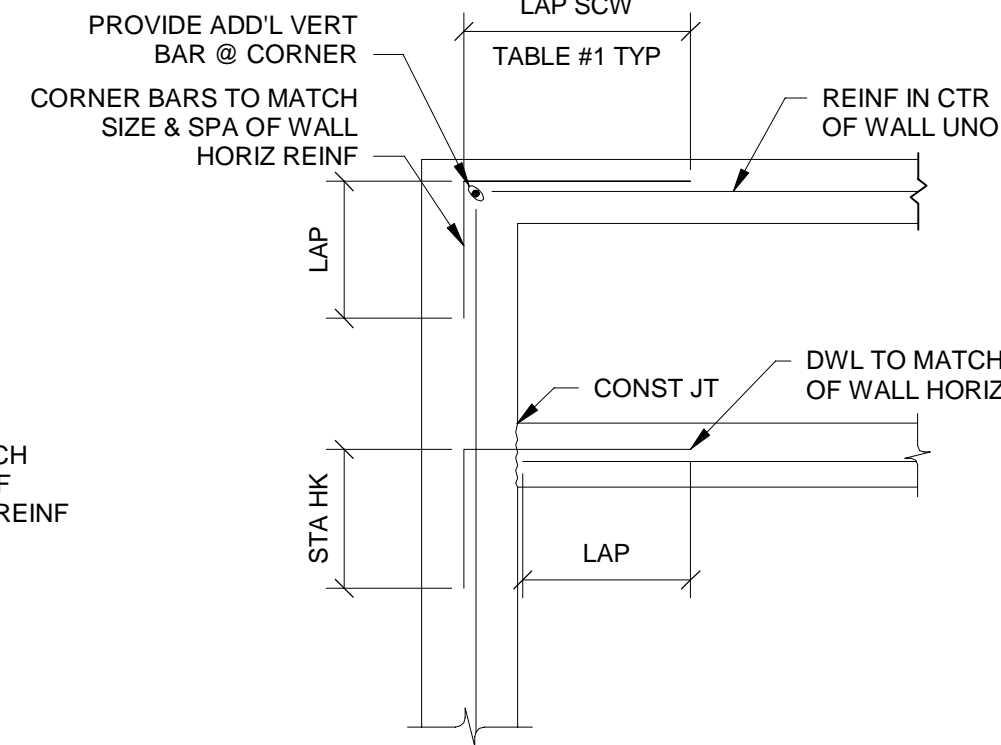


5 RE-ENTRANT CORNER DETAIL
3/4" = 1'-0"

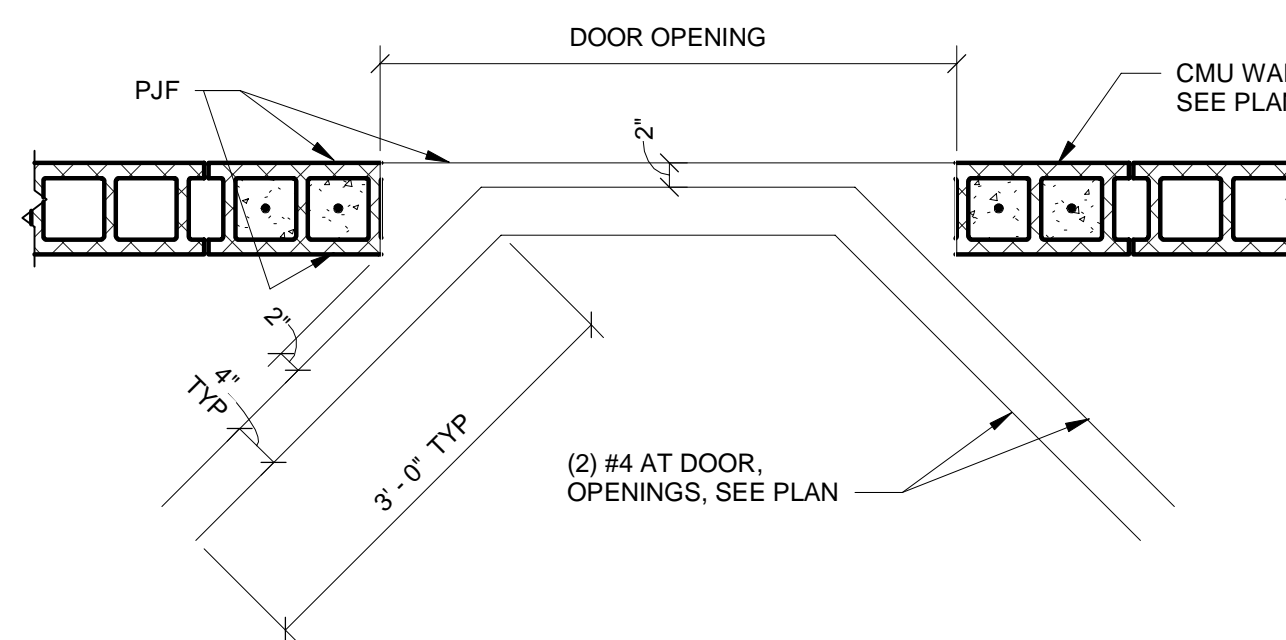
2 TYPICAL SLAB ON GRADE JOINT DETAILS
3/4" = 1'-0"



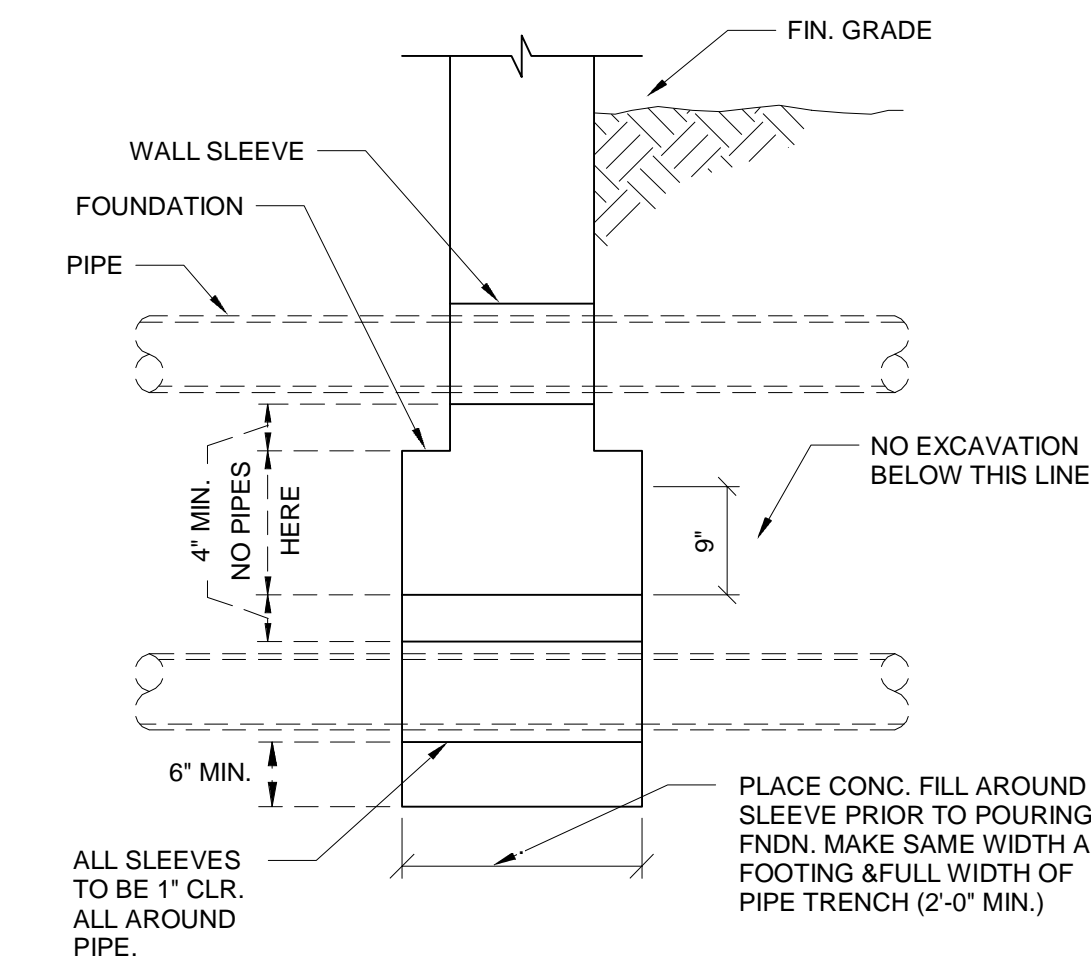
7 CONCRETE WALL CORNER DETAIL
1/2" = 1'-0"



1 LAYER OF REINFORCING



8 TYPICAL SOG REINF. AT WALL OPENING
3/4" = 1'-0"



9 TYPICAL UTILITY PIPE FTG DETAIL
3/4" = 1'-0"

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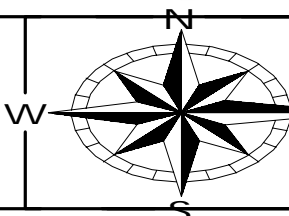
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CHECKED BY: STAFF
APPROVED BY: STAFF
JOB NUMBER: DNR-250011
SCALE:
DATE: 11/14/2025
REVISION OR ISSUE:

FOUNDATION/SOG TYPICAL DETAILS

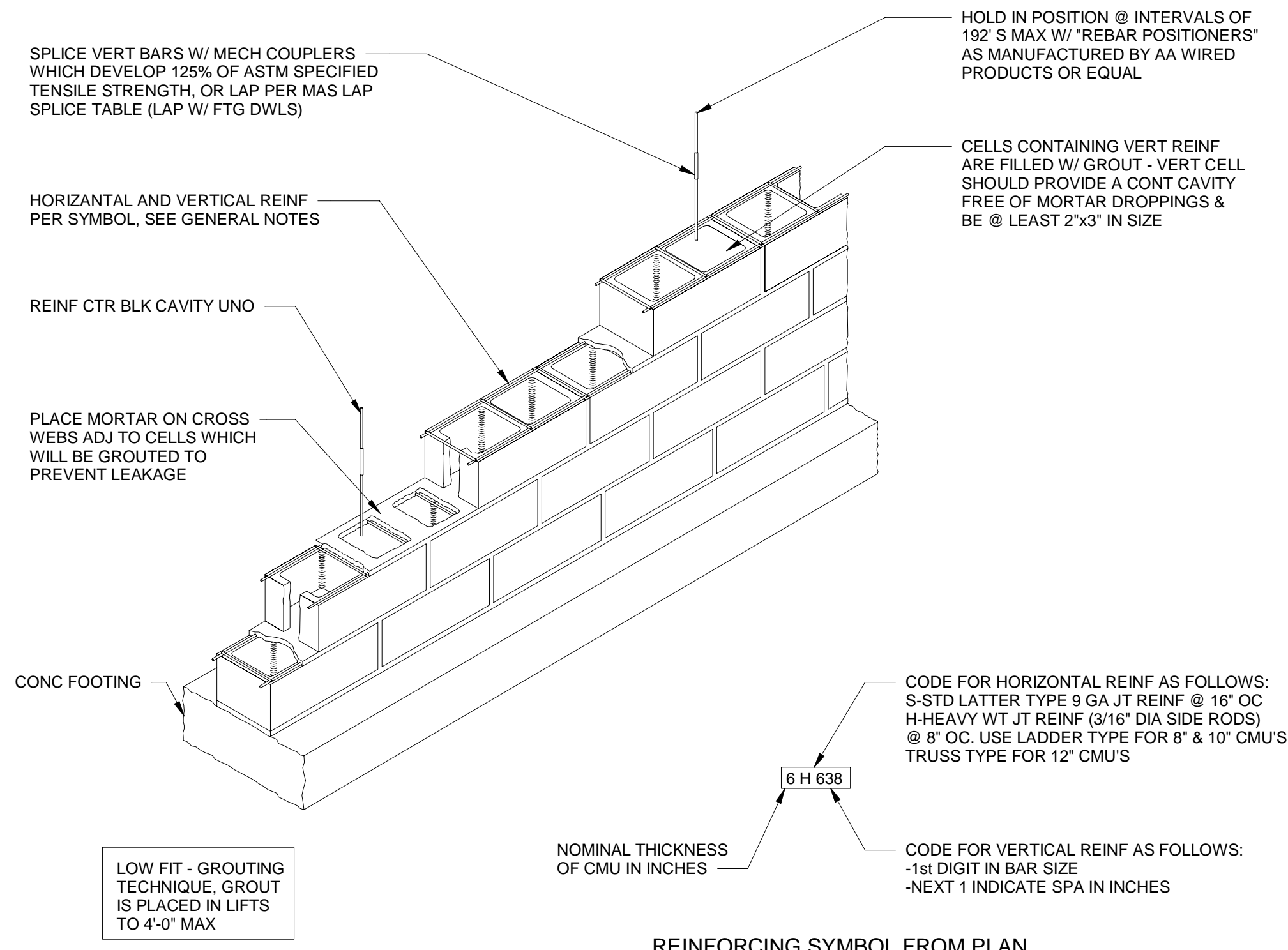
S.02



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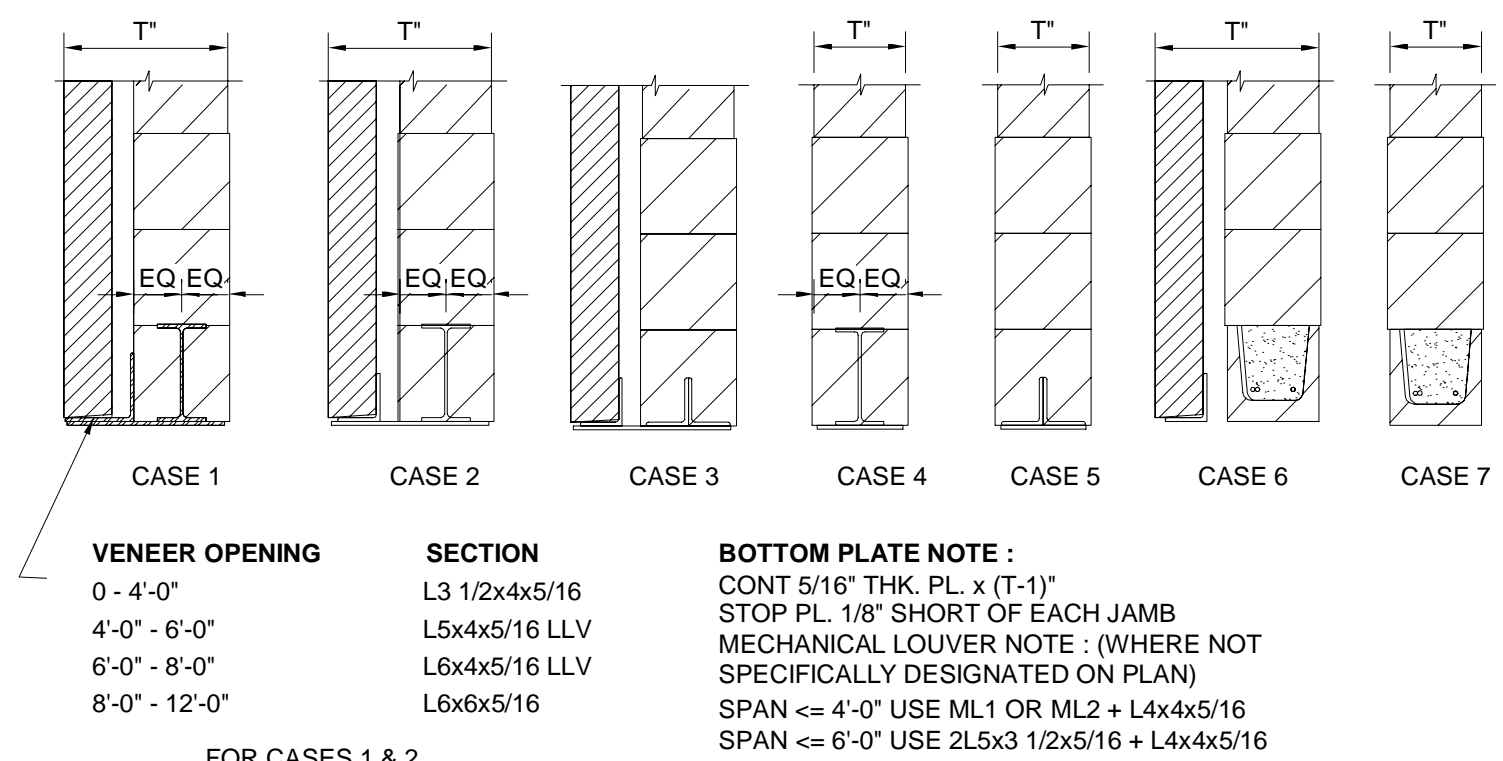
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Ohio Department of Natural Resources



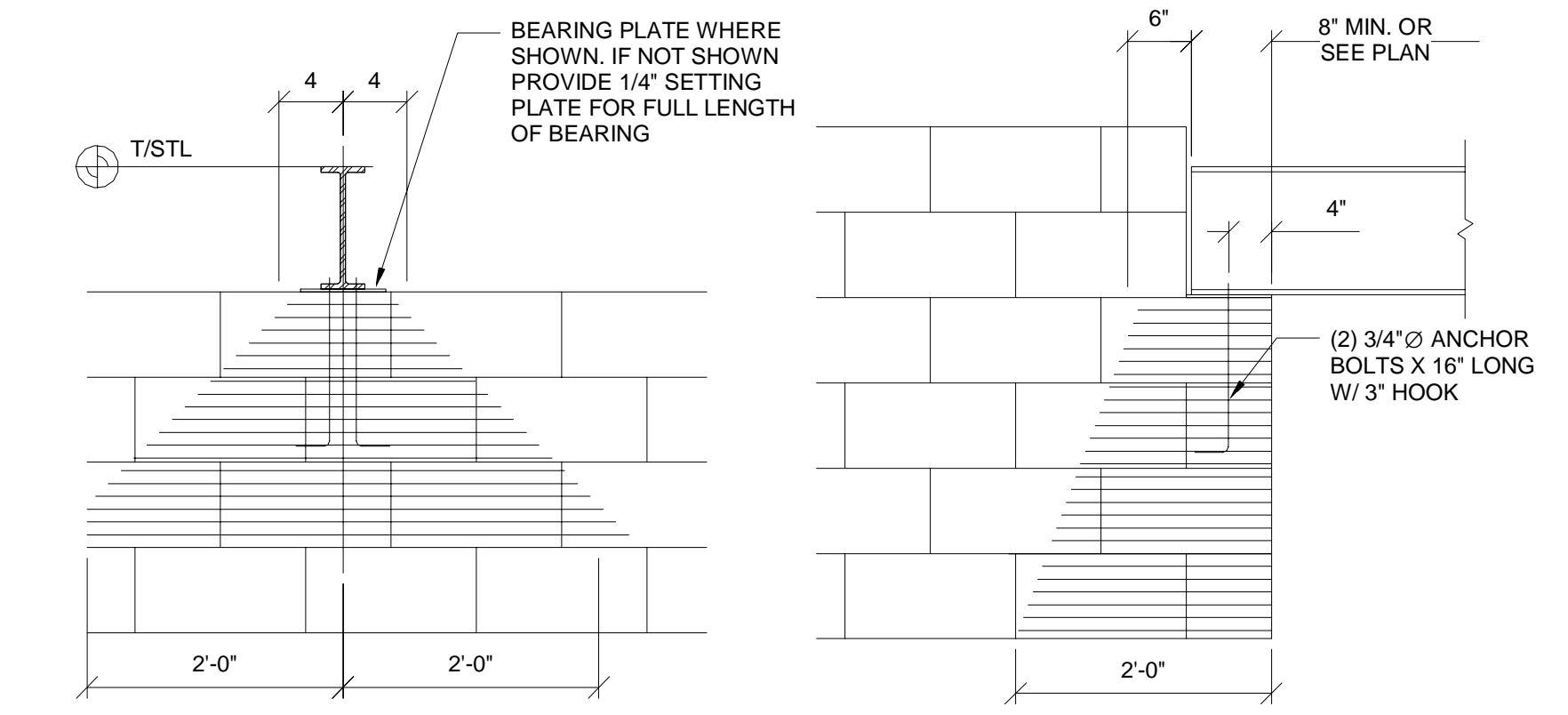
REINFORCING SYMBOL FROM PLAN

BEARING WALL LINTEL SCHEDULE		
MARK	MEMBER	BEARING
L1	(2) L3 1/2x3 1/2x5/16	6"
L2	(2) L4x3 1/2x5/16 LLV	6"
L3	(2) L5x3 1/2x5/16 LLV	6"
L4	(2) L6x3 1/2x5/16 LLV	6"
L5	(3) L6x3 1/2x5/16 LLV	6"
L6	W8x24 + ANGLE+CONT. PL. 5/16" CENTERED ON BOTTOM	12"
L7	WT8x25 (F _y =50)	
L8	(3) L3 1/2x3 1/2x5/16	6"
L9	8"x10" wd PRECAST CONCRETE MASONRY LINTEL W(2)#5 T&B (1 1/2" CLR.)	8"
L10	8"x14" wd PRECAST CONCRETE MASONRY LINTEL W(2)#6 T & (2)#4 T (1 1/2" CLR.)	8"

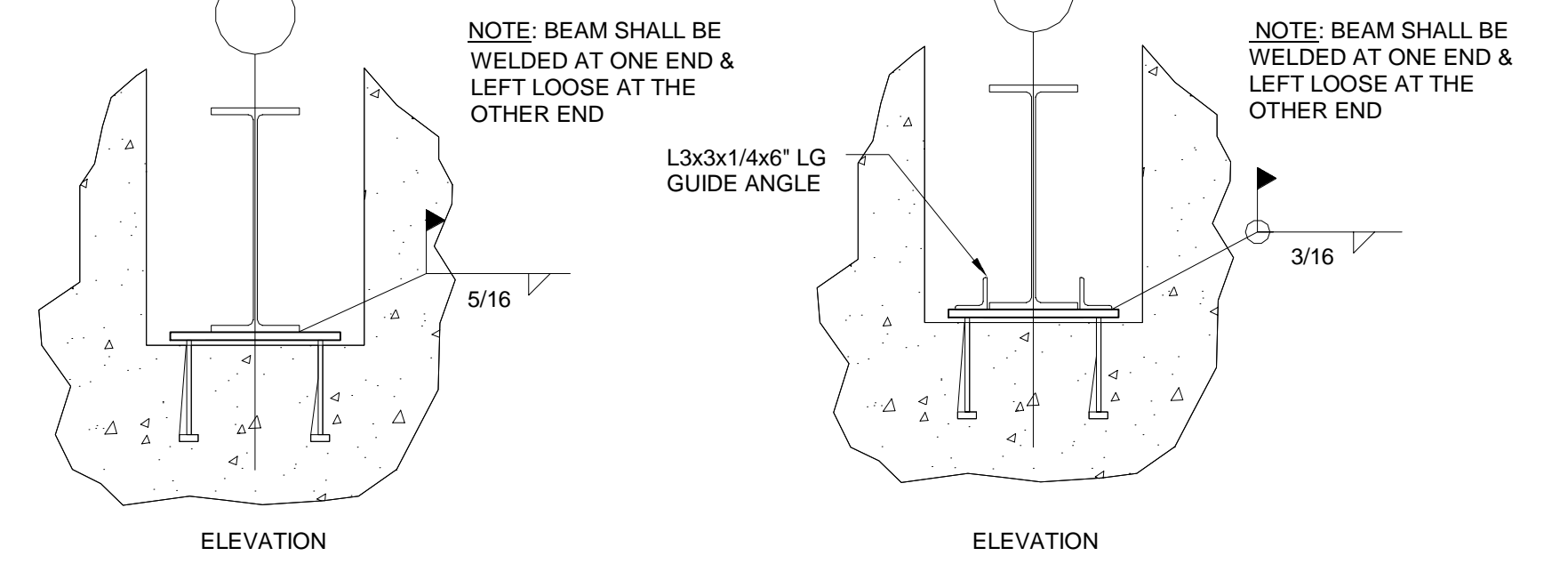
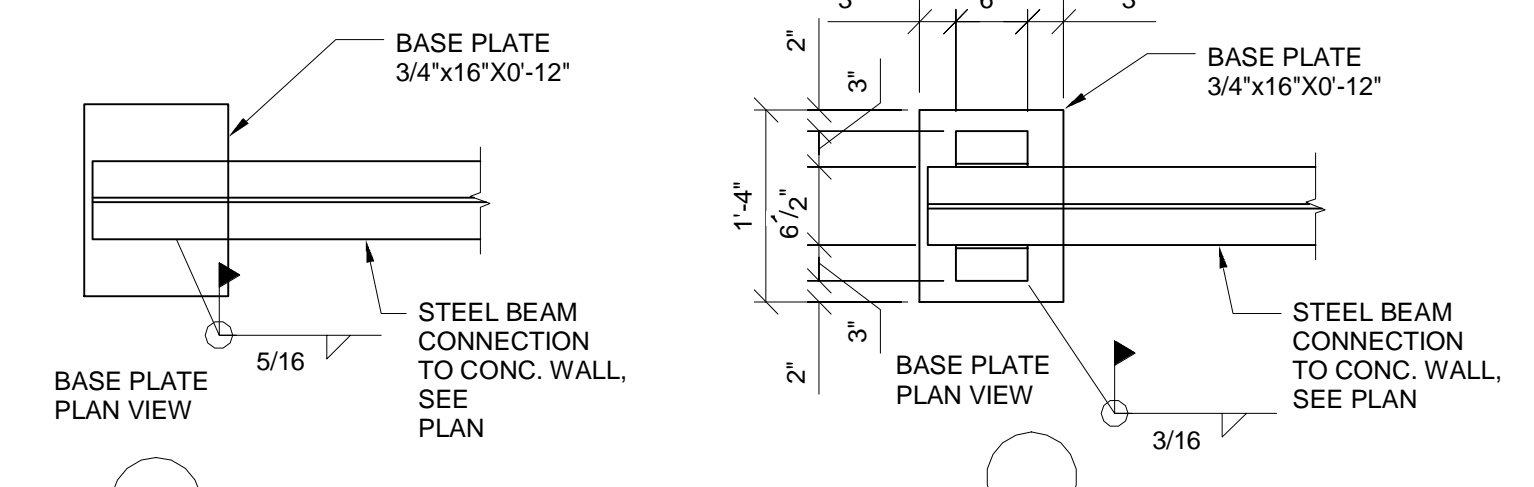
NON LOAD BRG. LINTEL SCHEDULE		
OPENING SIZE	LINTEL	BEARING
< 6"	8" BOND BM W(2) #4	8"
6'-1" - 7'-0"	2L5x3 1/2x5/16	8"
7'-1" - 8'-0"	2L6x3 1/2x5/16	8"
8'-1" - 10'-0"	W8x21 w/ 5/16" BOT. PL.	8"
10'-1" - 12'-0"	W16x26 w/ 5/16" BOT. PL.	12"



TYPICAL BEARING & NON-BEARING WALL LINTELS
3/4" = 1'-0"

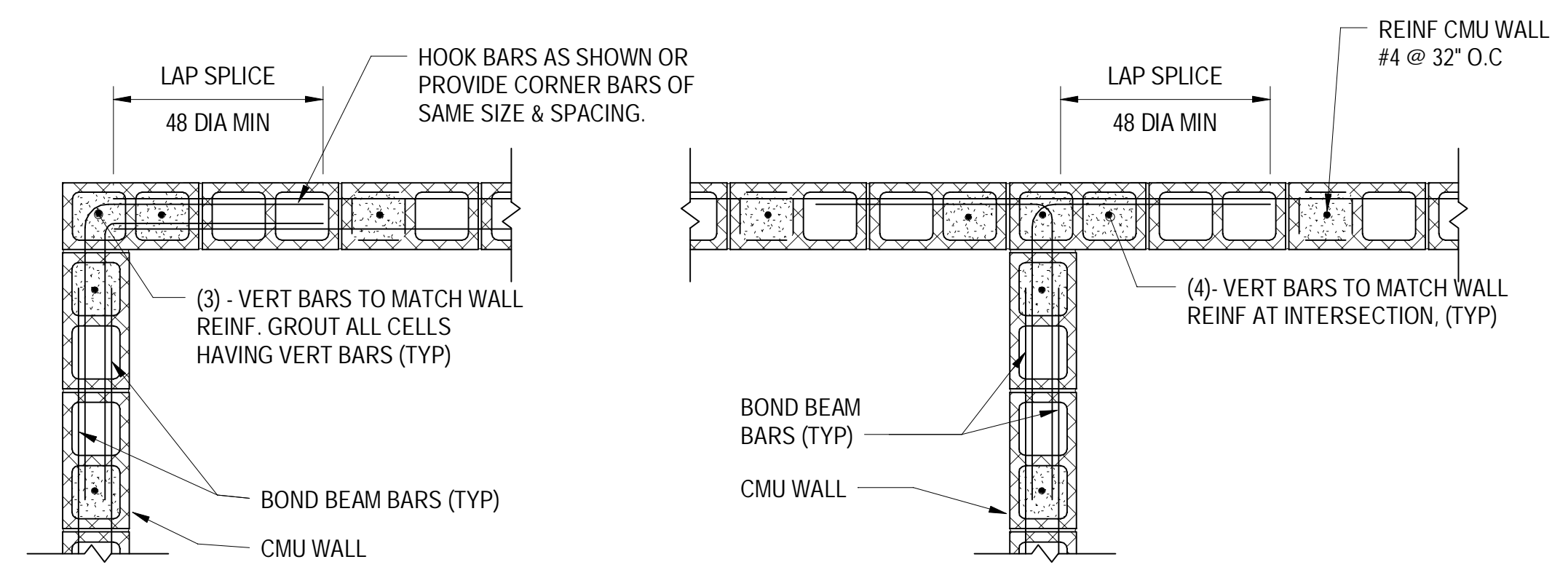


NOTE:
ALL MASONRY UNITS ENTIRELY OR PARTIALLY IN SHADED AREA SHALL BE GROUT FILLED HOLLOW CORE BLOCK



TYPICAL LINTEL BEARING ENDS
3/4" = 1'-0"

1 REINFORCED CMU WALL - ISOMETRIC
N.T.S.

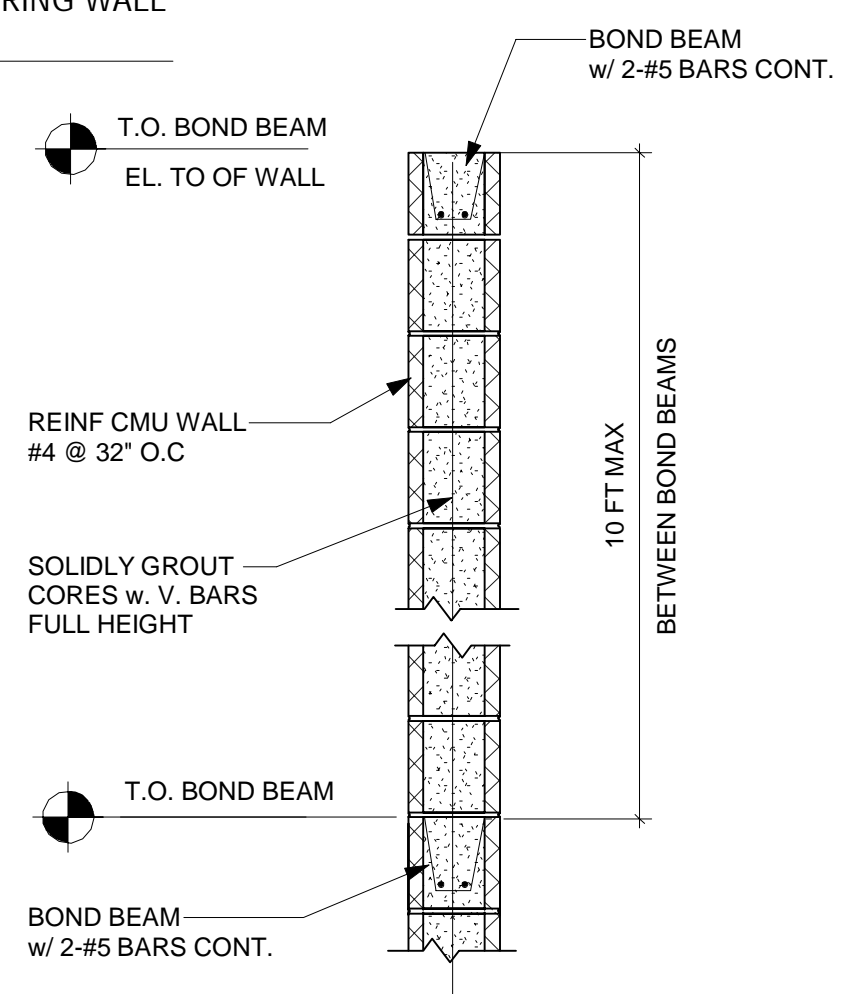


A CORNER

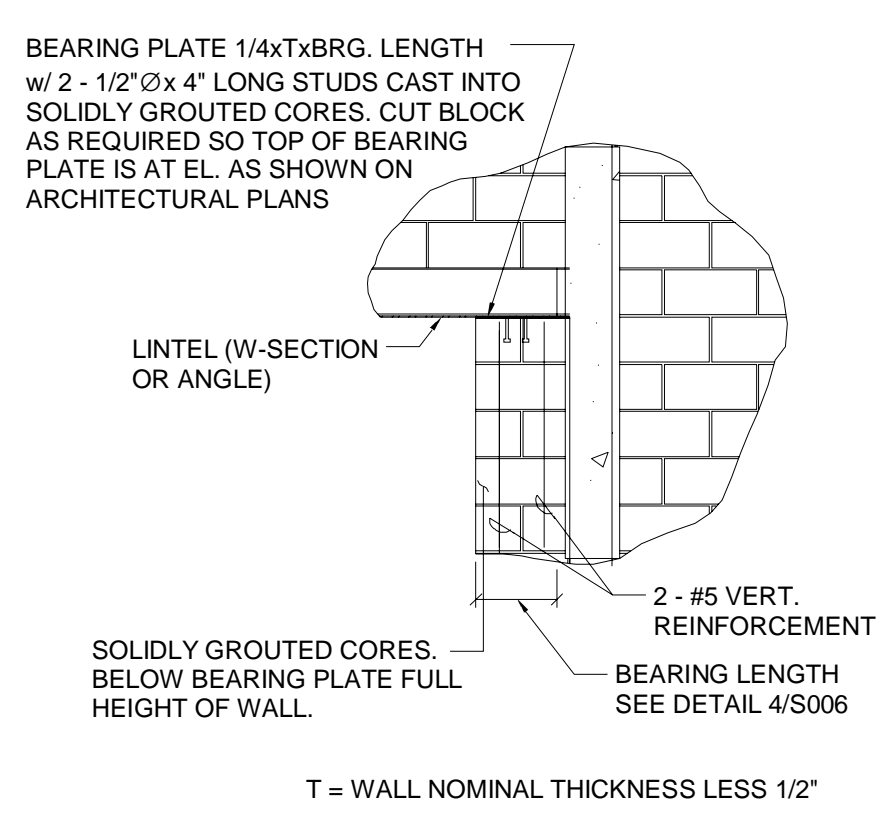
B "T" INTERSECTION

NOTES:
1. AT CORNERS AND INTERSECTIONS, UNLESS OTHERWISE NOTED OR SPECIFIED, LAY 50% OF UNITS IN MASONRY BOND WITH ALTERNATE UNITS BEARING NOT LESS THAN 4" ON THE UNIT BELOW.
2. PROVIDE DOWELS FROM CONCRETE FOOTING OR WALL BELOW W/SAME SIZE AND SPACING AS VERTICAL BARS AT LEVEL ABOVE. PROVIDE LAP SPLICE.

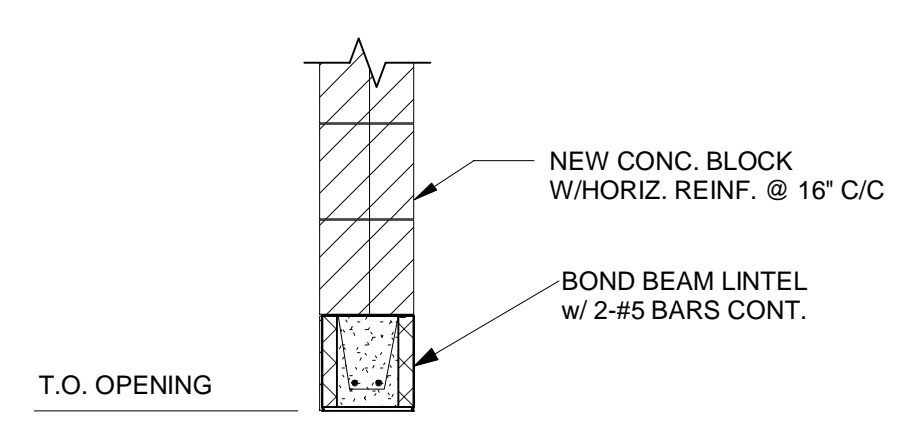
2 TYP MASONRY REINFORCING DETAIL
3/4" = 1'-0"



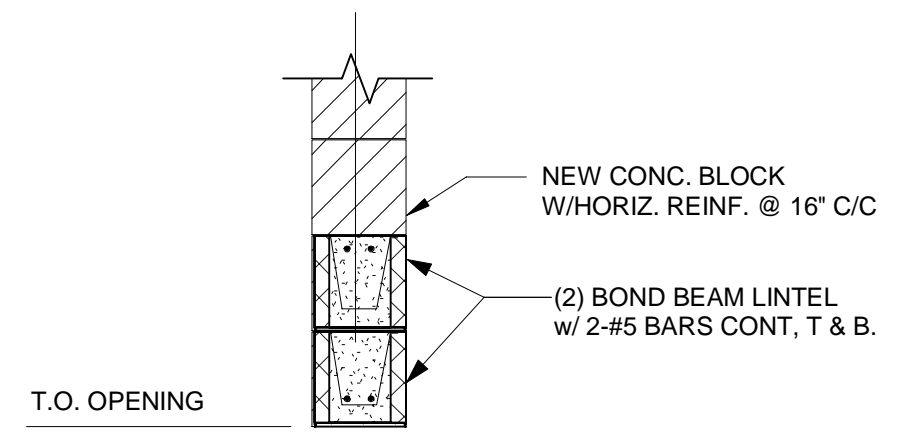
8 TYPICAL CMU WALL SECTION
3/4" = 1'-0"



6 TYPICAL LINTEL BEARING DETAIL
1/2" = 1'-0"

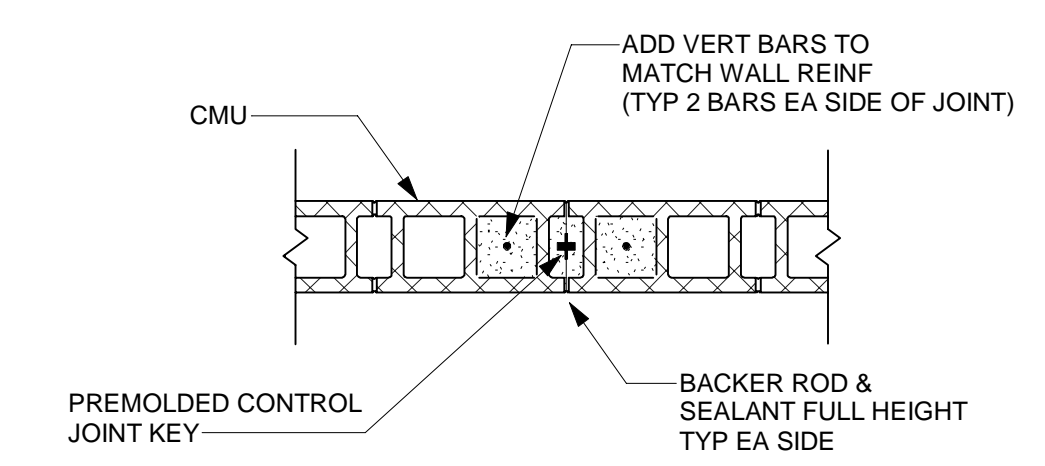


DOOR OPENING LINTEL (UNO) (OPENING 4'-0" WIDE OR LESS)



DOOR OPENING LINTEL (UNO) (OPENING GREATER THAN 4'-0" WIDE)

7 TYPICAL MASONRY OPENING LINTELS
3/4" = 1'-0"



NOTES:
1. CONTROL JOINTS TO EXTEND FULL HEIGHT OF CMU WALL
2. JOINT REINFORCEMENT TO BE DISCONTINUOUS AT CONTROL JOINTS.
3. BACKER ROD MAY BE OMITTED IF FULL WIDTH PREMOLDED CONTROL JOINT KEY IS EMPLOYED. COORD W/ARCH FINISH REQUIREMENTS.
4. RE: GENERAL NOTES FOR ADDITIONAL INFORMATION.
5. DO NOT PLACE WITHIN A PIER OR CLOSER THAN 1'-4" TO AN OPENING.

9 CMU WALL CONTROL JOINT DETAIL
3/4" = 1'-0"

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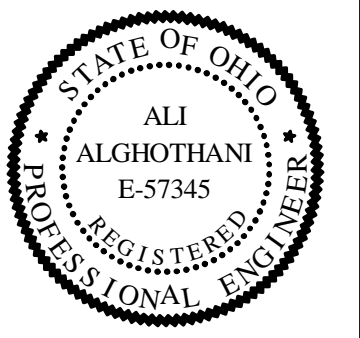


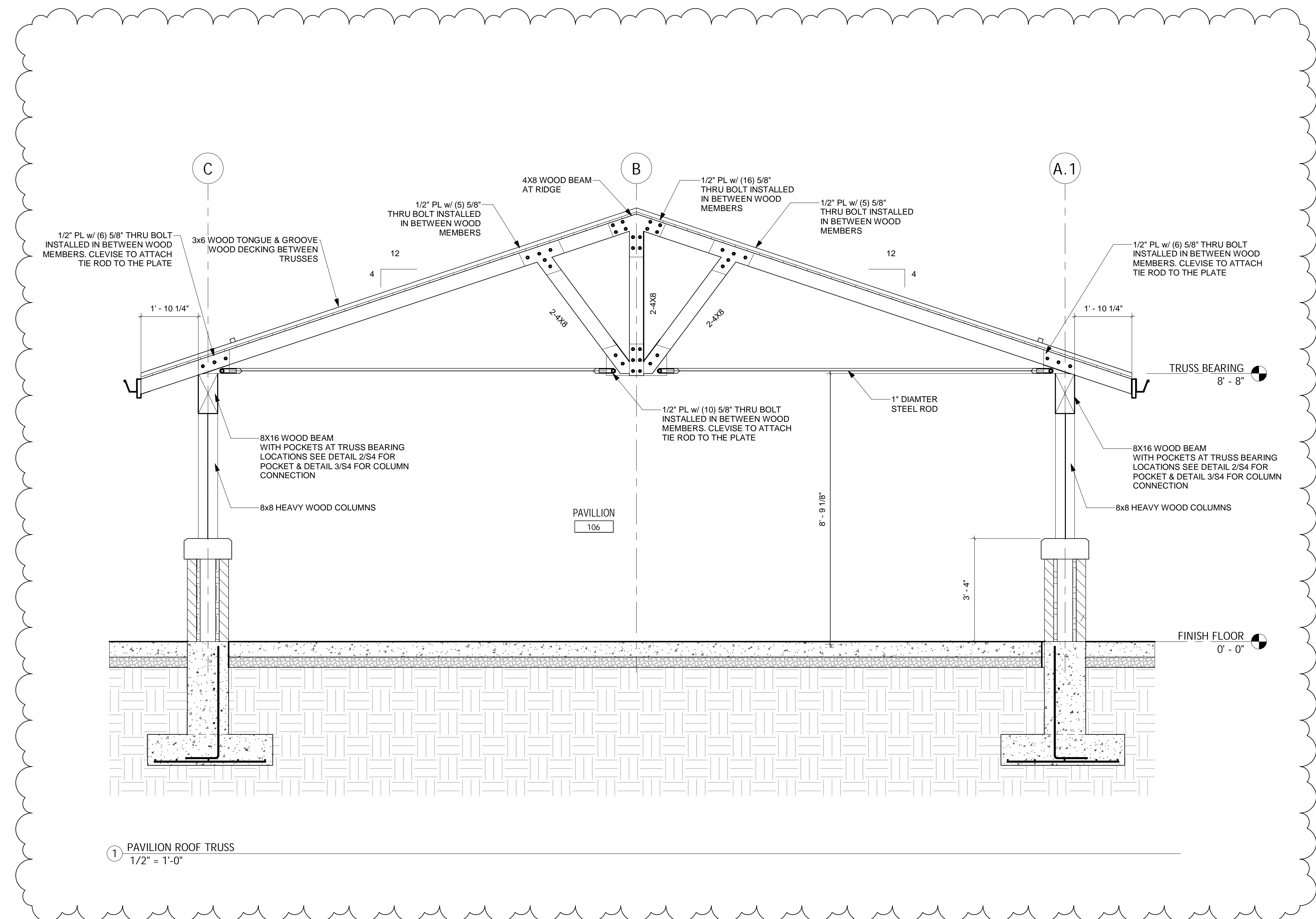
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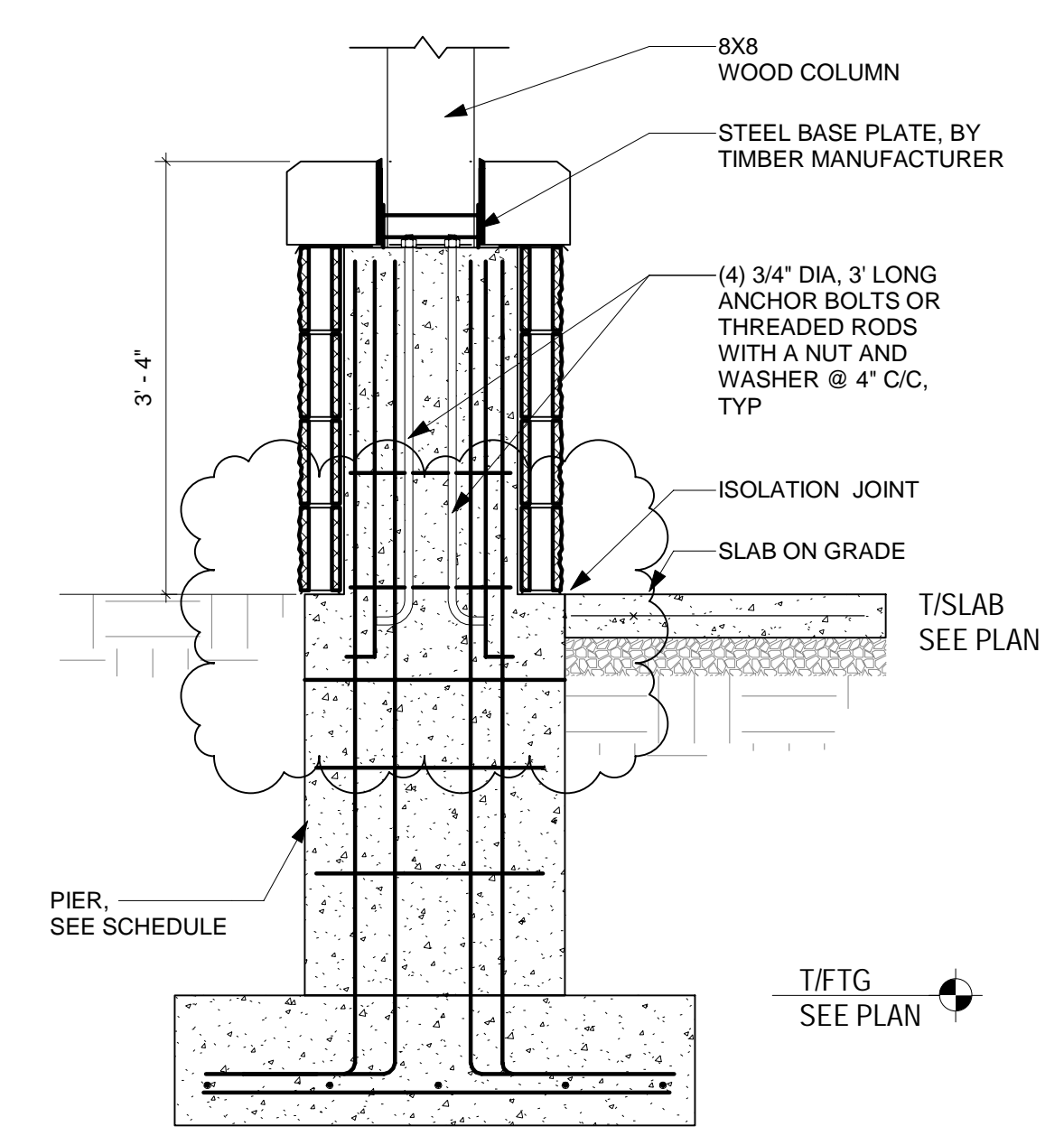
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CHECKED BY:	STAFF	DATE:	11/14/2025
APPROVED BY:	STAFF	REVISION OR ISSUE:	

MASONRY TYPICAL DETAILS





1 PAVILLION ROOF TRUSS
1/2" = 1'-0"



2 CONCRETE PIER DETAIL
3/4" = 1'-0"

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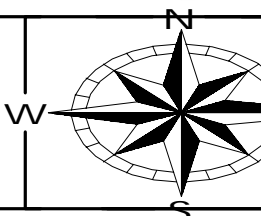
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MASONRY TYPICAL DETAILS



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FOUNDATION NOTES

- FLOOR CONSTRUCTION: 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE WWF-6x6 - W2.9xW2.9 WWF, 10 MIL VAPOR BARRIER, 6" ODOT ITEM 304 LIMESTONE SUB-BASE.
- TOP OF THE SLAB ON GRADE ELEVATIONS 100'-0" EXCEPT AS NOTED. SEE CIVIL DRAWINGS FOR REFERENCED ELEVATION.
- FOOTINGS ARE CENTERED UNDER WALLS UNLESS NOTED OTHERWISE.
- ALL EXTERIOR FOOTING TO EXTEND A MINIMUM OF 3'-0" BELOW EXISTING GRADE.
- DESIGN SOIL BEARING PRESSURE IS 2,000 PSF.
- UNDER SLAB-ON-GRADE, EXCAVATE EXISTING SOIL BELOW PROPOSED FINISH FLOOR ELEVATION BY 2'-0" COMPACT SOIL & INSTALL ENGINEERED FILL SUB-GRADE.

LEGEND:

WXY - 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:

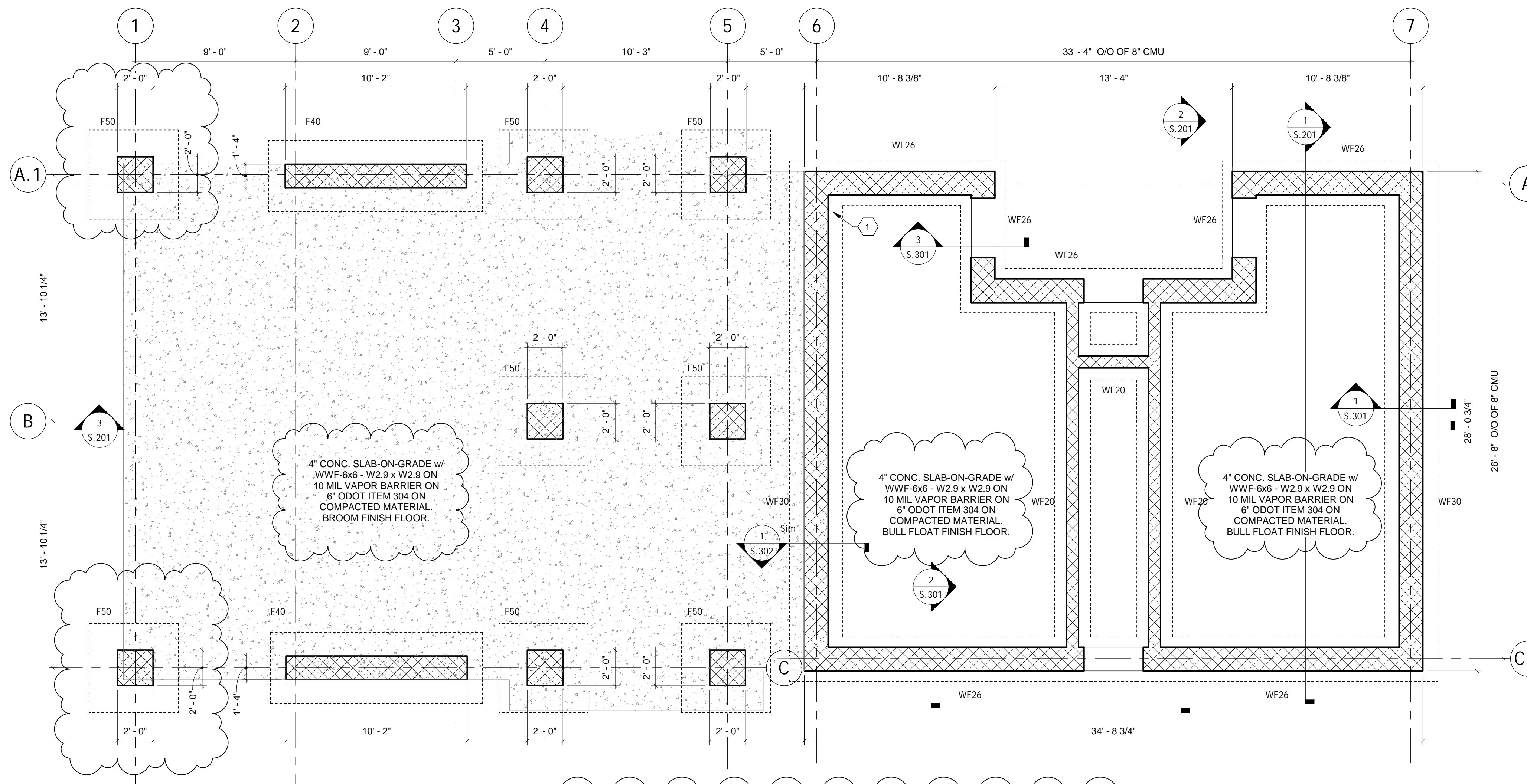
- TOP OF FOOTER ELEVATION 98'-0" (U.N.O.).
- FOR SLAB-ON-GRADE CONSTRUCTION JOINT, SEE DETAIL 2 ON S0.2.
- FOR SLAB-ON-GRADE CONTROL JOINT, SEE DETAIL 1 ON S0.2.
- FOR THICKENED SLAB, SEE DETAIL 5 ON S0.2.
- FOR SLAB-ON-GRADE REINFORCING, SEE DETAIL 5 ON S0.2.
- FOR SLAB-ON-GRADE DEPRESSION, SEE DETAIL 1 ON S0.2.
- FOR EQUIPMENT PAD, SEE DETAIL 7 ON S0.2.
- FOR MASONRY WALL REINFORCING, SEE DETAIL 1, 2 & 8 ON S0.3.
- FOR OPENING LINTELS, SEE DETAILS 10 ON DWG. S0.2.
- FOR TYP. PIPE PENETRATION THRU WALL/FOUNDATION, SEE DETAIL 10 ON S0.2.
- FOR GENERAL STRUCTURAL NOTES & DETAILS, SEE DWG. S0.1, S.02 & S.03.
- ALL FOUNDATIONS ARE CENTERED UNDER WALLS (U.N.O.).
- TOP OF DRAINS ELEVATION -VE 1" BELOW FINISH FLOOR (TYP.).
- FOR MASONRY CONTROL JOINT, SEE DETAIL 9 ON S0.3.
- FOR TYP. MASONRY CONSTRUCTION, SEE DETAIL 1 ON S0.3.
- FOR WALL MASONRY INTERSECTIONS & CORNERS SEE DETAIL 2 ON S.03.
- FOR TYP. LINTEL, SEE DETAIL 4, 6 & 7 ON S.02.
- FOR TYP. LINTEL BEARINGS SEE DETAIL 5 ON S.03.
- FOR CONCRETE WALLS, CORNERS & INTERSECTIONS SEE DETAIL 8 ON S.02.
- FOR SLAB ON GRADE @ WALL OPENING SEE DETAIL 9 ON S.02.
- FOR BASE PLATE DETAIL SEE DETAIL 4 ON S.02.

GENERAL NOTES:

- CONTRACTOR SHALL OBSERVE ALL OSHA SAFETY RULES & PROCEDURES.
- CONTRACTOR SHALL PROVIDE ADEQUATE SAFEGUARDS DURING CONSTRUCTION TO COMPLY WITH THE OHIO BUILDING CODE.
- VERIFY LOCATIONS OF WALLS, OPENINGS, ETC WITH ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS BEFORE PLACING FOUNDATIONS.
- 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.
- 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.
- REFERENCE: GENERAL STRUCTURAL NOTES ON S0.1.
- SLAB ON GRADE FINISH FLOOR SHALL BE BULLFLOAT.
- ALL EXPOSED BASE PLATES, BOLTS AND NUTS SHALL BE STAINLESS STEEL (UNO).
- PITCH SLABS TO FLOOR DRAINS, SEE PLUMBING DWGS.
- DIMENSIONS ARE OUT-TO-OUT OF CONCRETE FOUNDATION WALL (U.N.O.).
- WHEREVER CONCRETE POUR IS DISCONTINUOUS, PROVIDE CONTINUOUS WATERSTOP.

NOTES:

- ALL ELEVATION HEIGHTS SHOWN ON THIS SHEET FOR THIS BUILDING ARE BASED ON CITY DATUM OF U.S.G.S 780.50' = RESTROOM BUILDING FIN. FL ELEV. 100'-0"
- SLAB-ON-GRADE LOAD, LIVE LOAD = 150 PSF.



1 PAVILION FOUNDATION PLAN
1/4" = 1'-0"

SPREAD FOOTING SCHEDULE				
TYPE	SIZE			REINFORCING
	LENGTH	WIDTH	THICKNESS	
F40	4'-0"	12'-0"	1'-0"	5 - #5 BARS x 4'-6" x 12'-6" & #5 @12", 4'-6" LONG/ BOTTOM O.C
F50	5'-0"	5'-0"	1'-0"	5 #5 BARS x 4'-6" E.A/BOTTOM

2 SPREAD FOOTING SCHEDULE
3/4" = 1'-0"

PIER SCHEDULE			
TYPE	SIZE		REINFORCING
	LENGTH	WIDTH	
P1	2'-0"	2'-0"	(6) - #5 VERT. BARS W/#4 TIES @ 12" O.C

3 PIER SCHEDULE
3/4" = 1'-0"

CONTINUOUS FOOTING SCHEDULE			
TYPE	WIDTH	THICKNESS	REINFORCING
WF20	2'-0"	1'-0"	2 - #5 BARS CONT. W/4# x 1'-6" @ 24" O.C
WF26	2'-6"	1'-0"	3 - #5 BARS CONT. W/4# x 1'-0" @ 24" O.C
WF30	3'-0"	1'-0"	4 - #5 BARS CONT. W/4# x 2'-6" @ 24" O.C

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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:

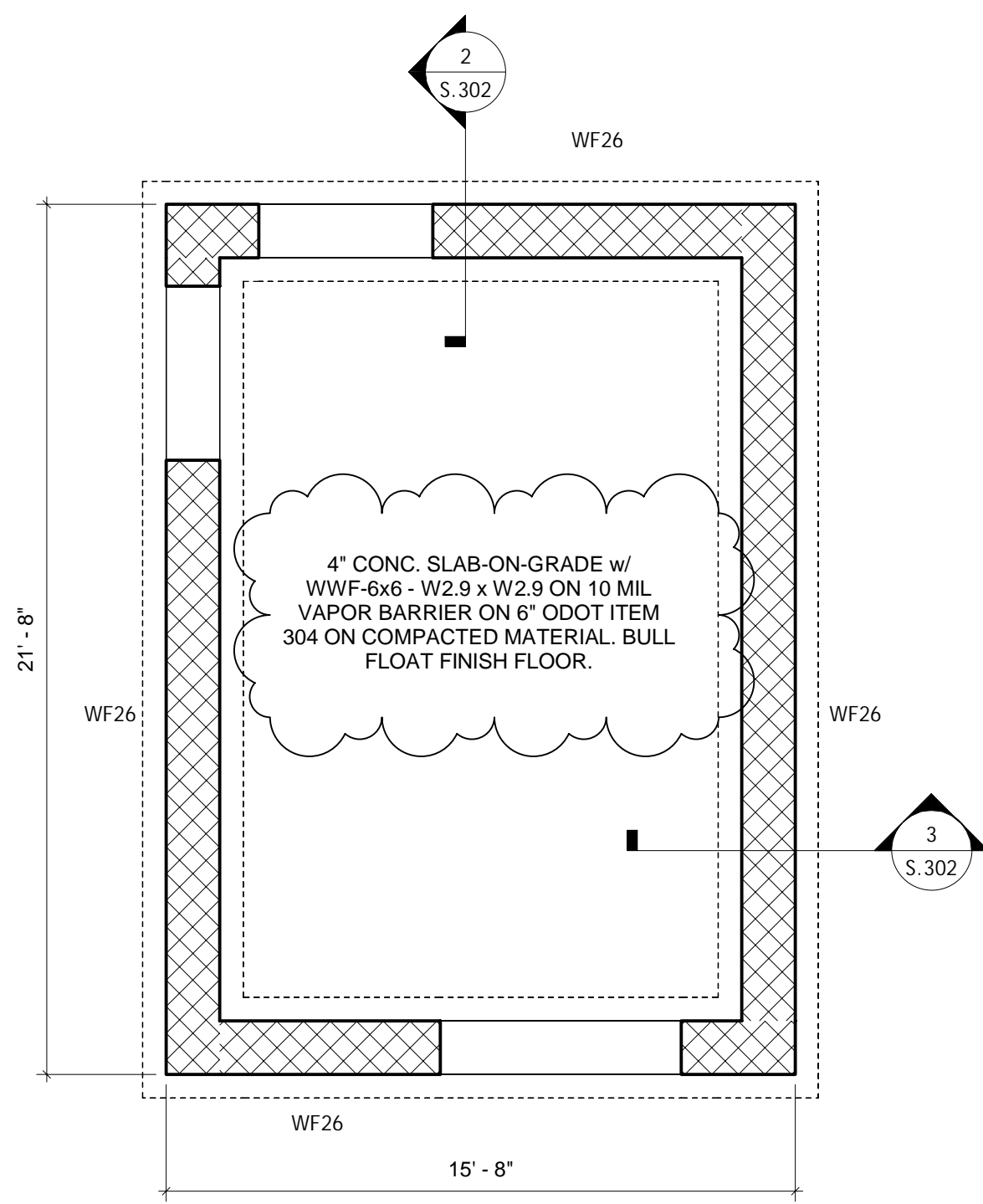
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- FOR TYP. LINTEL BEARINGS SEE DETAIL 5 ON S.03
- FOR CONCRETE WALLS, CORNERS & INTERSECTIONS SEE DETAIL 8 ON S.02
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GENERAL NOTES:

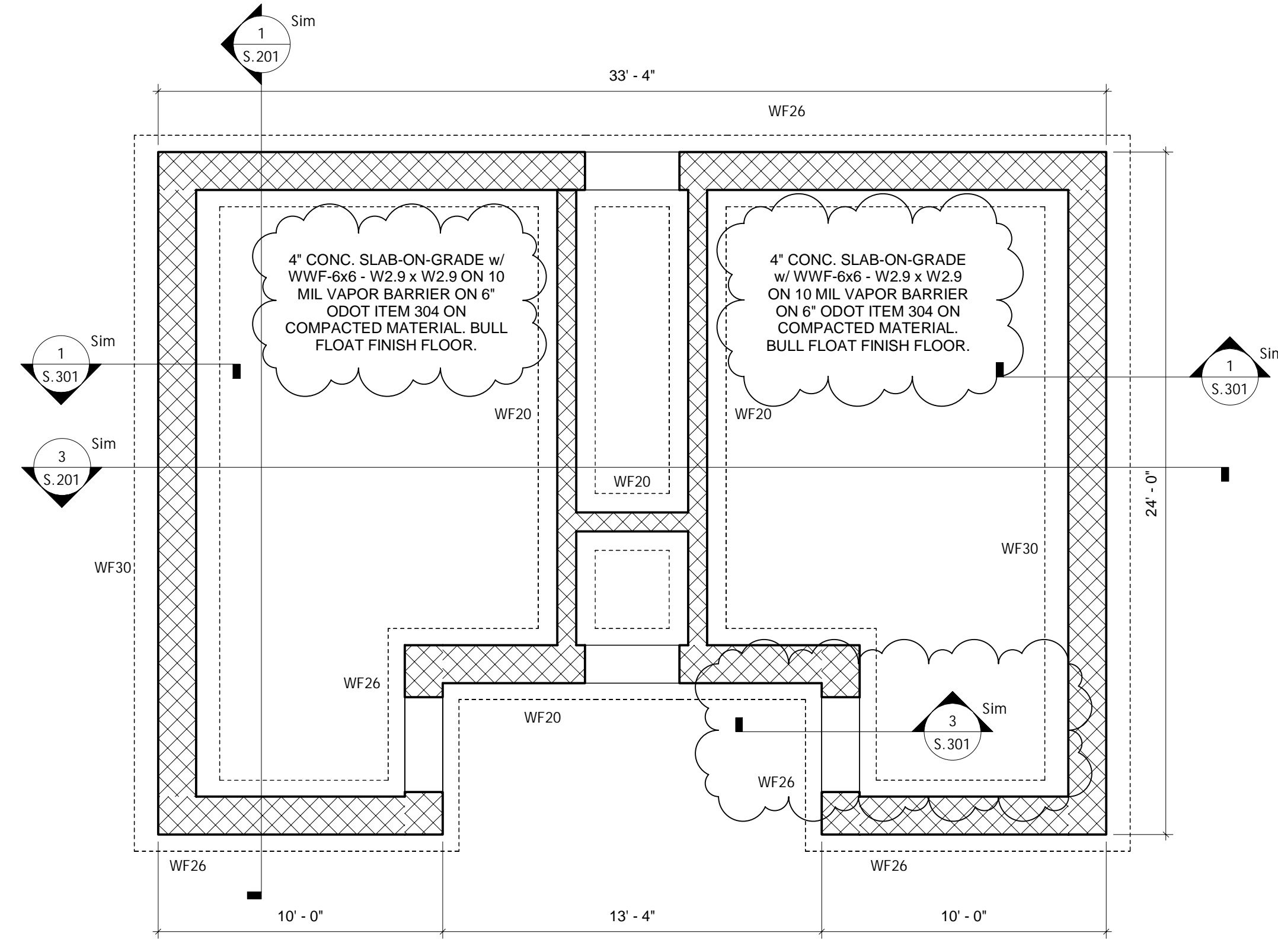
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- SLAB-ON-GRADE LOAD, LIVE LOAD = 150 PSE.



1 MAINTENANCE FOUNDATION PLAN
1/4" = 1'-0"



2 RESTROOM FOUNDATION PLAN
1/4" = 1'-0"

SPREAD FOOTING SCHEDULE				
TYPE	SIZE			REINFORCING
	LENGTH	WIDTH	THICKNESS	
F40	4'-0"	12'-0"	1'-0"	5 - #5 BARS x 4'-6" x 12'-6" & #5 @ 12", 4'-6" LONG/ BOTTOM O.C
F50	5'-0"	5'-0"	1'-0"	5 #5 BARS x 4'-6" E.A/BOTTOM

3 SPREAD FOOTING SCHEDULE
3/4" = 1'-0"

PIER SCHEDULE			
TYPE	SIZE		REINFORCING
	LENGTH	WIDTH	
P1	2'-0"	2'-0"	(6) - #5 VERT. BARS W/#4 TIES @ 12" O.C

4 PIER SCHEDULE
3/4" = 1'-0"

CONTINUOUS FOOTING SCHEDULE			
TYPE	WIDTH	THICKNESS	REINFORCING
WF20	2'-0"	1'-0"	2 - #5 BARS CONT. W/#4 x 1'-6" @ 24" O.C
WF26	2'-6"	1'-0"	3 - #5 BARS CONT. W/#4 x 1'-0" @ 24" O.C
WF30	3'-0"	1'-0"	4 - #5 BARS CONT. W/#4 x 2'-6" @ 24" O.C

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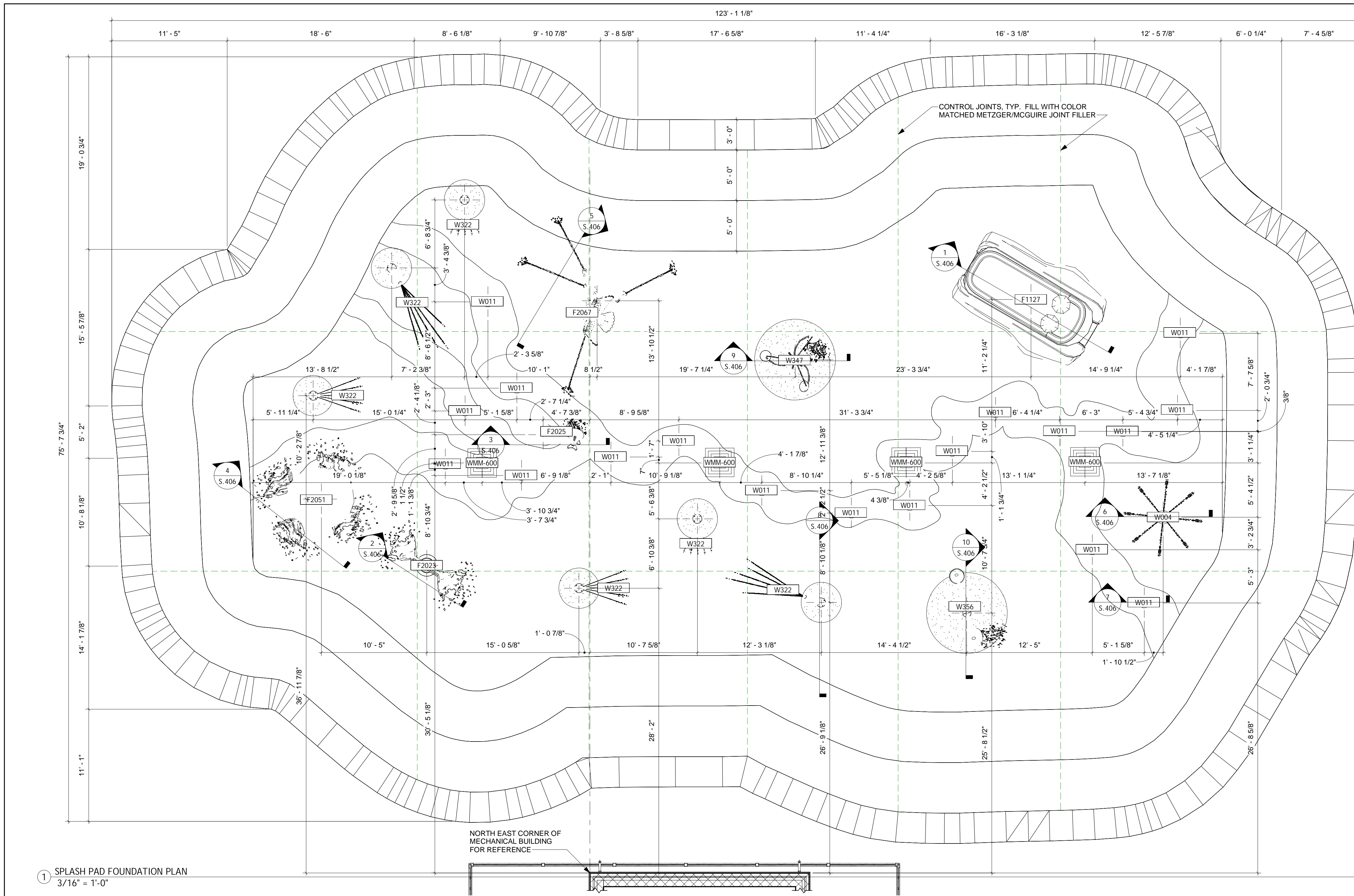
ENGINEERING
Ohio Department of Natural Resources

OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
52566 DILLON HILLS DRIVE
NASHPORT, OHIO 43830

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DRAWN BY: STAFF SCALE:
CHECKED BY: STAFF DATE: 11/14/2025
APPROVED BY: STAFF REVISION OR ISSUE:

FOUNDATION PLAN
S.102





- FOUNDATION NOTES**
1. SLAB ON GRADE: 6" NORMAL WEIGHT CONCRETE SLAB ON GRADE, w/#5 BARS @ 12" O.C EACH WAY, PLACED @ MID DEPTH OF SLAB. 6" ODOT ITEM 304 LIMESTONE SUB-BASE.
 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 2,000 PSF.
 6. UNDER SLAB-ON-GRADE, EXCAVATE EXISTING SOIL BELOW PROPOSED FINISH FLOOR ELEVATION BY 2'-0" COMPACT SOIL & INSTALL ENGINEERED FILL SUB-GRADE.

LEGEND:

WXX - INDICATES CONTINUOUS SHALLOW FOOTING MARK. SEE SCHEDULE ON THIS SHEET FOR SIZE AND REINFORCING.

F.S. - INDICATES FOOTING STEP, 2'-0" U.N.O., SEE DETAIL 8/S.005.

- NOTES:**
1. TOP OF FOOTER ELEVATION 98'-0" (U.N.O).
 2. FOR SLAB-ON-GRADE CONSTRUCTION JOINT, SEE DETAIL 2 ON S0.2.
 3. FOR SLAB-ON-GRADE CONTROL JOINT, SEE DETAIL 1 ON S0.2.
 4. FOR THICKENED SLAB, SEE DETAIL 5 ON S0.2.
 5. FOR SLAB-ON-GRADE REINFORCING, SEE DETAIL 5 ON S0.2.
 6. FOR SLAB-ON-GRADE DEPRESSION, SEE DETAIL 6 ON S0.2.
 7. FOR EQUIPMENT PAD, SEE DETAIL 7 ON S0.2.
 8. FOR MASONRY WALL INTERSECTIONS, SEE DETAIL 1, 2 & 8 ON S0.3.
 9. FOR OPENING LINTELS, SEE DETAILS 10 ON DWG. S0.2.
 10. FOR TYP. PIPE PENETRATION THRU WALL/FOUNDATION, SEE DETAIL 10 ON S0.2.
 11. FOR GENERAL STRUCTURAL NOTES & DETAILS, SEE DWG. S0.1, S.02 & S.03.
 12. ALL FOUNDATIONS ARE CENTERED UNDER WALLS (U.N.O)
 13. TOP OF DRAINS ELEVATION -VE 1" BELOW FINISH FLOOR (TYP.)
 14. FOR MASONRY CONTROL JOINT, SEE DETAIL 9 ON S0.3.
 15. FOR TYP. MASONRY CONSTRUCTION, SEE DETAIL 1 ON S0.3
 16. FOR WALL MASONRY INTERSECTIONS & CORNERS SEE DETAIL 2 ON S.03
 17. FOR TYP. LINTEL, SEE DETAIL 4, 6 & 7 ON S.02
 18. FOR TYP. LINTEL BEARINGS SEE DETAIL 5 ON S.03
 19. FOR CONCRETE WALLS, CORNERS & INTERSECTIONS SEE DETAIL 8 ON S.02
 20. FOR SLAB ON GRADE @ WALL OPENING SEE DETAIL 9 ON S.02
 21. FOR BASE PLATE DETAIL SEE DETAIL 4 ON S.02.

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

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

1 SPLASH PAD FOUNDATION PLAN
3/16" = 1'-0"

SPLASH PAD FOUNDATION SCHEDULE						
MARK	MFR	TYPE	DESCRIPTION	FOUNDATION	FOOTER	COMMENTS
F1127	WATER ODYSSEY	FUN FORMS LARGE AQUA SLIDE	PIERRE PADDLE BOAT	BOLT DOWN	-	REFER TO AQUA SLIDE DETAIL
F2025	WATER ODYSSEY	FUN FORMS AQUA SPRAYER	CROSSING GUARD	BOLT DOWN	-	REFER TO AQUA SPRAYER DETAIL
F2025	WATER ODYSSEY	FUN FORMS AQUA SPRAYER	HECTOR HERON	BOLT DOWN	-	REFER TO AQUA SPRAYER DETAIL
F2051	WATER ODYSSEY	FUN FORMS AQUA SPRAYER	BALANCED ROCK	BOLT DOWN	-	REFER TO AQUA SPRAYER DETAIL
F2067	WATER ODYSSEY	FUN FORMS AQUA SPRAYER	EAGLE EYE	BOLT DOWN	-	REFER TO AQUA SPRAYER DETAIL
W004	WATER ODYSSEY	GRADE LEVEL	DADDY LONG LEGS	1'-1 1/2" x 1'-4" THICKENED SLAB	6" x 1'-4" PIER	REFER TO GRADE LEVEL DETAIL
W011	WATER ODYSSEY	GRADE LEVEL	JET WAY	1'-1 1/2" x 1'-0" THICKENED SLAB	6" x 1'-0" PIER	REFER TO GRADE LEVEL DETAIL
W322	WATER ODYSSEY	ABOVE GRADE ANCHOR BASE	CATTAILS	1'-0" x 4'-0" THICKENED SLAB	1'-4" x 1'-6" PIER	REFER TO ABOVE GRADE ANCHOR BASE DETAIL
W347	WATER ODYSSEY	ABOVE GRADE ANCHOR BASE	HONEY BEAR BUCKETS	1'-0" x 8'-0" THICKENED SLAB	1'-4" x 1'-6" PIER	REFER TO ABOVE GRADE ANCHOR BASE DETAIL
W356	WATER ODYSSEY	ABOVE GRADE ANCHOR BASE	DEW BUCKETS	1'-0" x 8'-0" THICKENED SLAB	1'-4" x 1'-6" PIER	REFER TO ABOVE GRADE ANCHOR BASE DETAIL
WMM-600	WATER ODYSSEY	DRAIN	DRAIN	-	-	-

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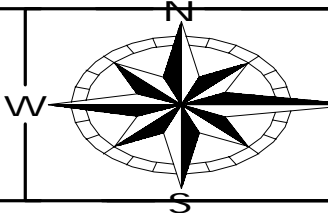
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FOUNDATION PLAN



PRE-ENGINEERED TRUSSES NOTES:

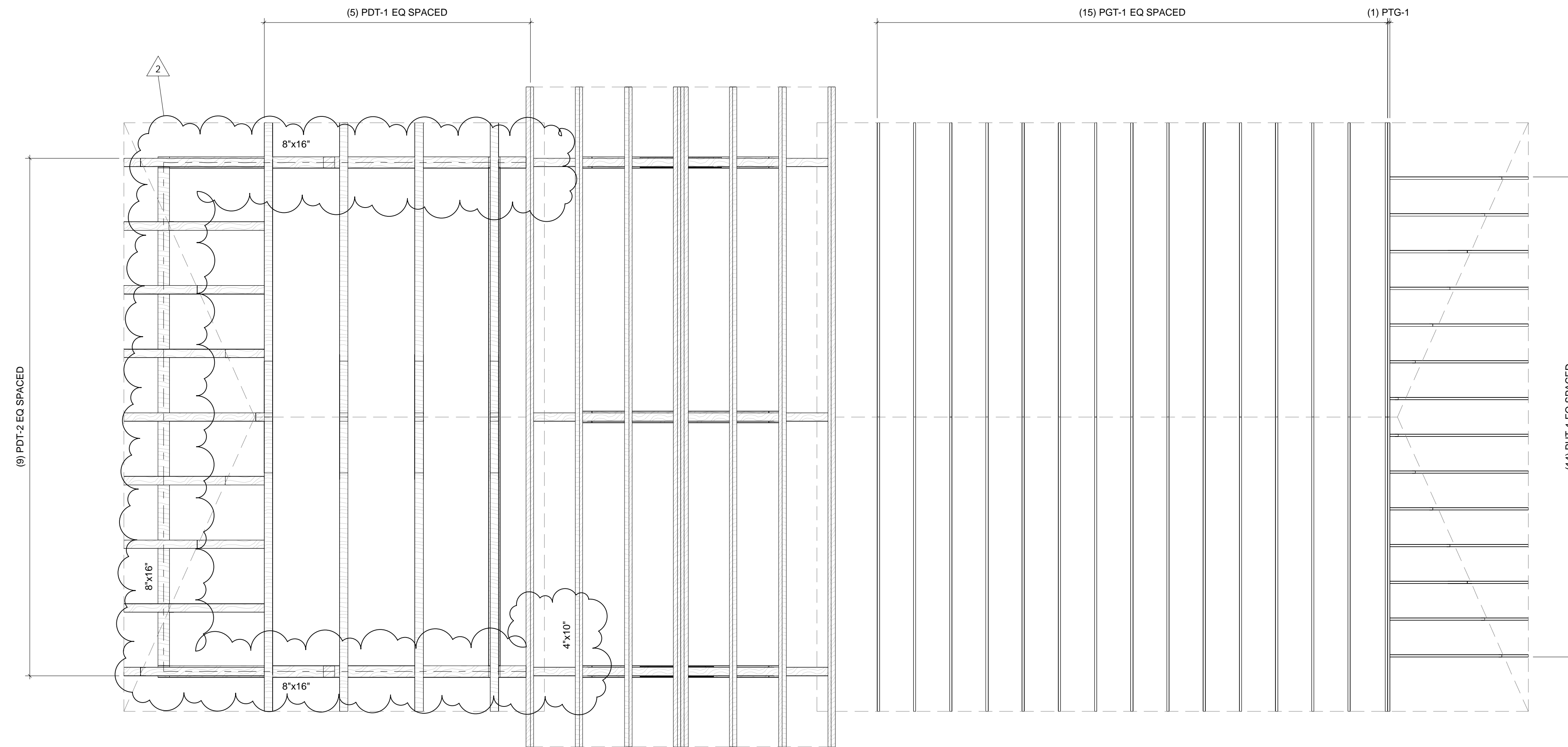
- TRUSSES DESIGN BY PRE-ENGINEERED TRUSSES SUPPLIER. TRUSSES ELEMENTS TO SUPPORT 25 PSF LIVE LOAD, 25 PSF SNOW LOAD, DEAD LOAD, SNOW DRIFT LOAD & WIND LOAD WHERE APPLICABLE MINIMUM. MAXIMUM VERTICAL DEFLECTION (1.5DEAD LOAD + LIVE LOAD) L/240. MAXIMUM VERTICAL LIVE LOAD DEFLECTION L/360. MAXIMUM HORIZONTAL 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.
- TRUSS 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.
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- FOR OPENING LINTELS, SEE TYPICAL LINTEL DETAILS.
- COORDINATE TRUSS LAYOUT WITH ATTIC ACCESS. SEE ARCHITECTURAL DRAWINGS

TRUSS SCHEDULE

TYPE	QTY	DESCRIPTION	ENGINEERING TYPE	COMMENTS
MGT-1	9	MAINTENANCE GABLE TRUSS	PRE-ENGINEERED	
MHT-1	18	MAINTENANCE HIP TRUSS	PRE-ENGINEERED	
MTG-1	2	MAINTENANCE TRUSS GIRDER	PRE-ENGINEERED	
PDT-1	4	PAVILLION DECORATIVE GABLE TRUSS	HEAVY TIMBER	
PDT-2	8	PAVILLION DECORATIVE HIP TRUSS	HEAVY TIMBER	
PDT-2	1	PAVILLION DECORATIVE HIP TRUSS	HEAVY TIMBER	
PGT-1	15	PAVILLION GABLE TRUSS	PRE-ENGINEERED	
PHT-1	14	PAVILLION HIP TRUSS	PRE-ENGINEERED	
PTG-1	1	PAVILLION TRUSS GIRDER	PRE-ENGINEERED	
RGT-1	13	RESTROOM GABLE TRUSS	PRE-ENGINEERED	
RHT-1	26	RESTROOM HIP TRUSS	PRE-ENGINEERED	
RTG-1	2	RESTROOM TRUSS GIRDER	PRE-ENGINEERED	
TD-1	3	TOWER DECORATIVE GABLE TRUSS	HEAVY TIMBER	



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

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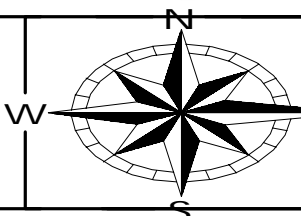
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Ohio Department of Natural Resources

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ROOF PLAN

PRE-ENGINEERED TRUSSES NOTES:

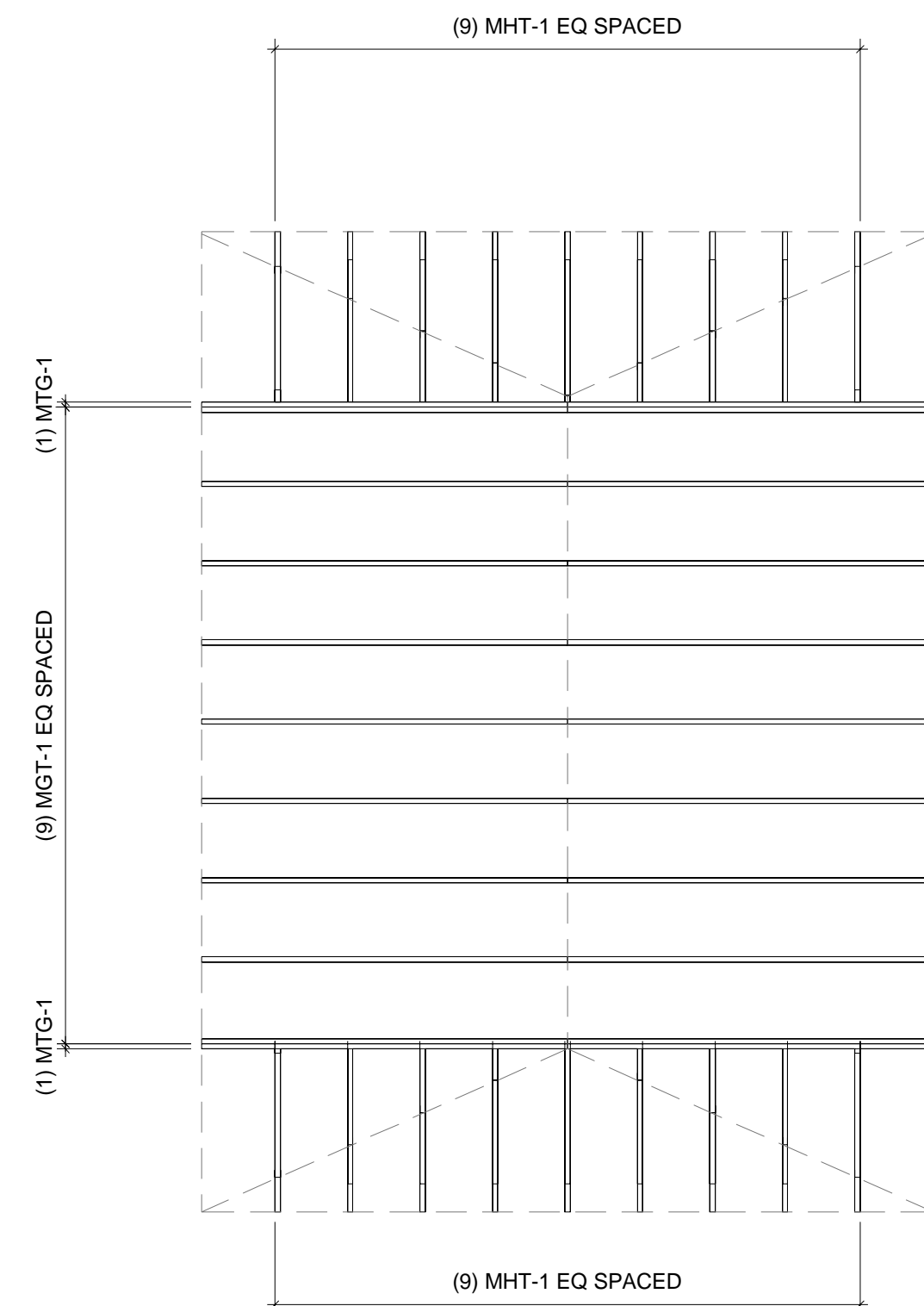
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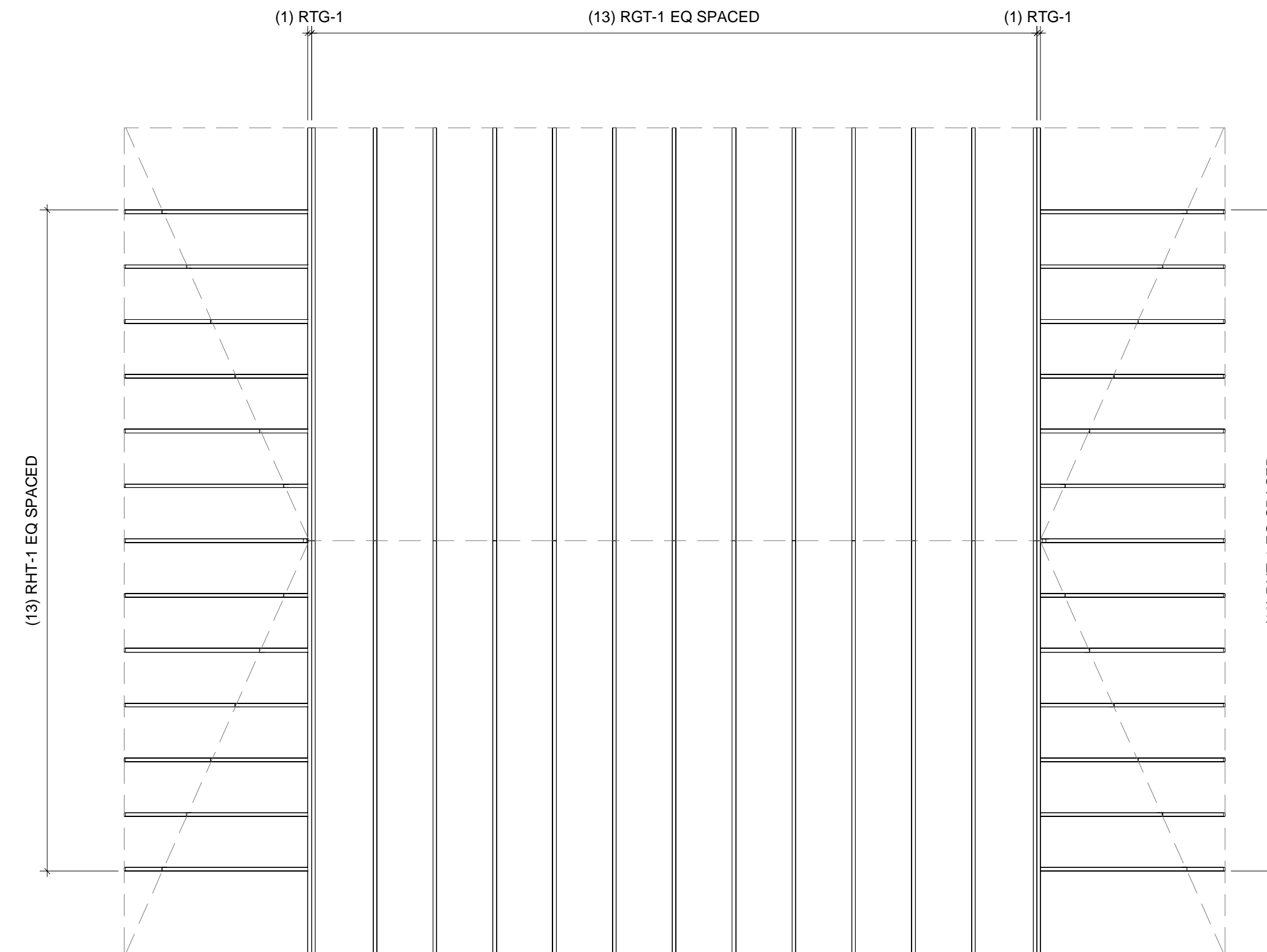
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TRUSS SCHEDULE

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MHT-1	18	MAINTENANCE HIP TRUSS	PRE-ENGINEERED	
MTG-1	2	MAINTENANCE TRUSS GIRDER	PRE-ENGINEERED	
PDT-1	4	PAVILLION DECORATIVE GABLE TRUSS	HEAVY TIMBER	
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PDT-2	1	PAVILLION DECORATIVE HIP TRUSS	HEAVY TIMBER	
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PHT-1	14	PAVILLION HIP TRUSS	PRE-ENGINEERED	
PTG-1	1	PAVILLION TRUSS GIRDER	PRE-ENGINEERED	
RGT-1	13	RESTROOM GABLE TRUSS	PRE-ENGINEERED	
RHT-1	26	RESTROOM HIP TRUSS	PRE-ENGINEERED	
RTG-1	2	RESTROOM TRUSS GIRDER	PRE-ENGINEERED	
TDT-1	3	TOWER DECORATIVE GABLE TRUSS	HEAVY TIMBER	



① MAINTENANCE ROOF PLAN
1/4" = 1'-0"



② RESTROOM ROOF PLAN
1/4" = 1'-0"

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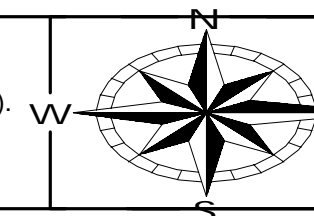
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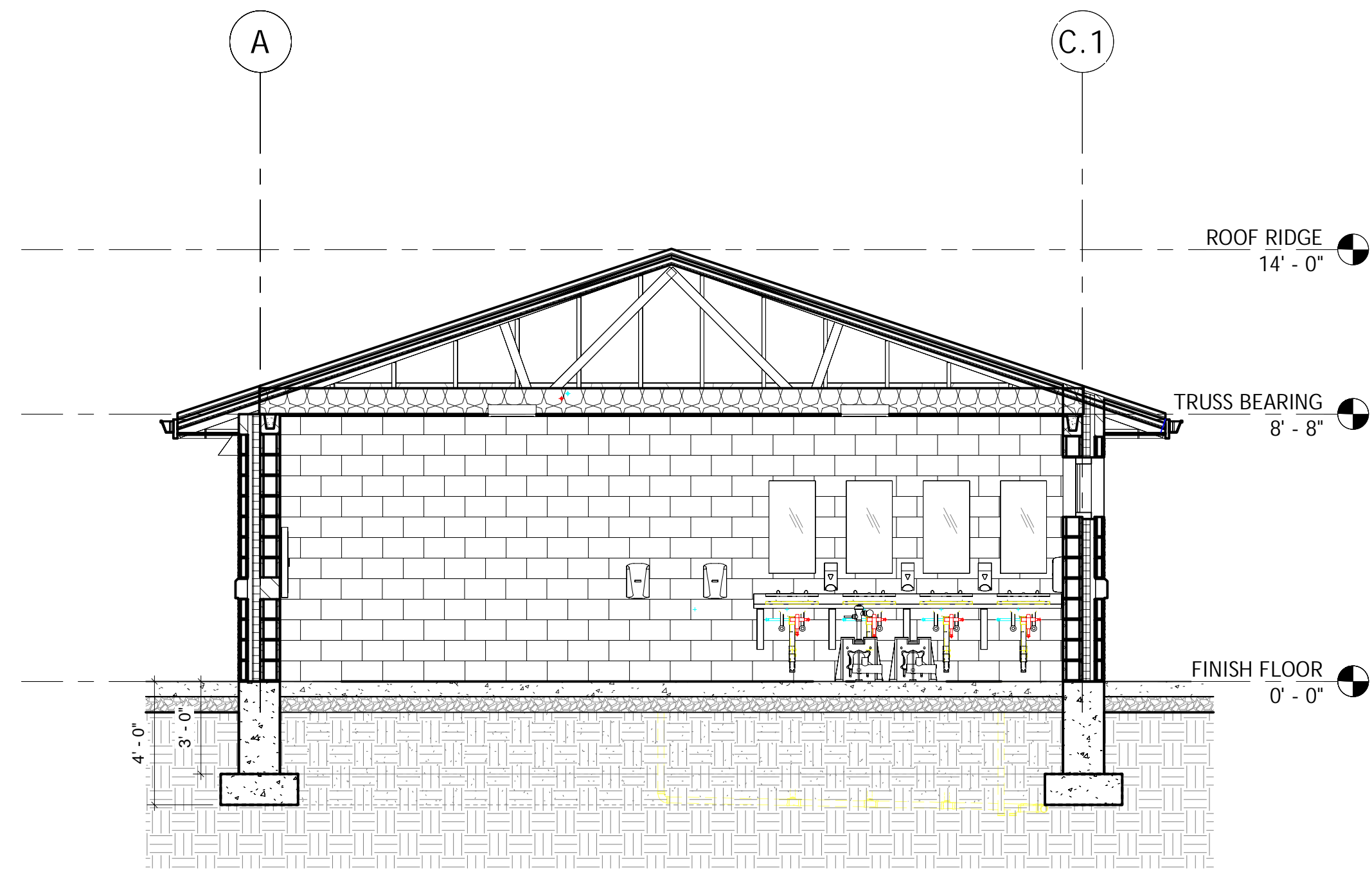


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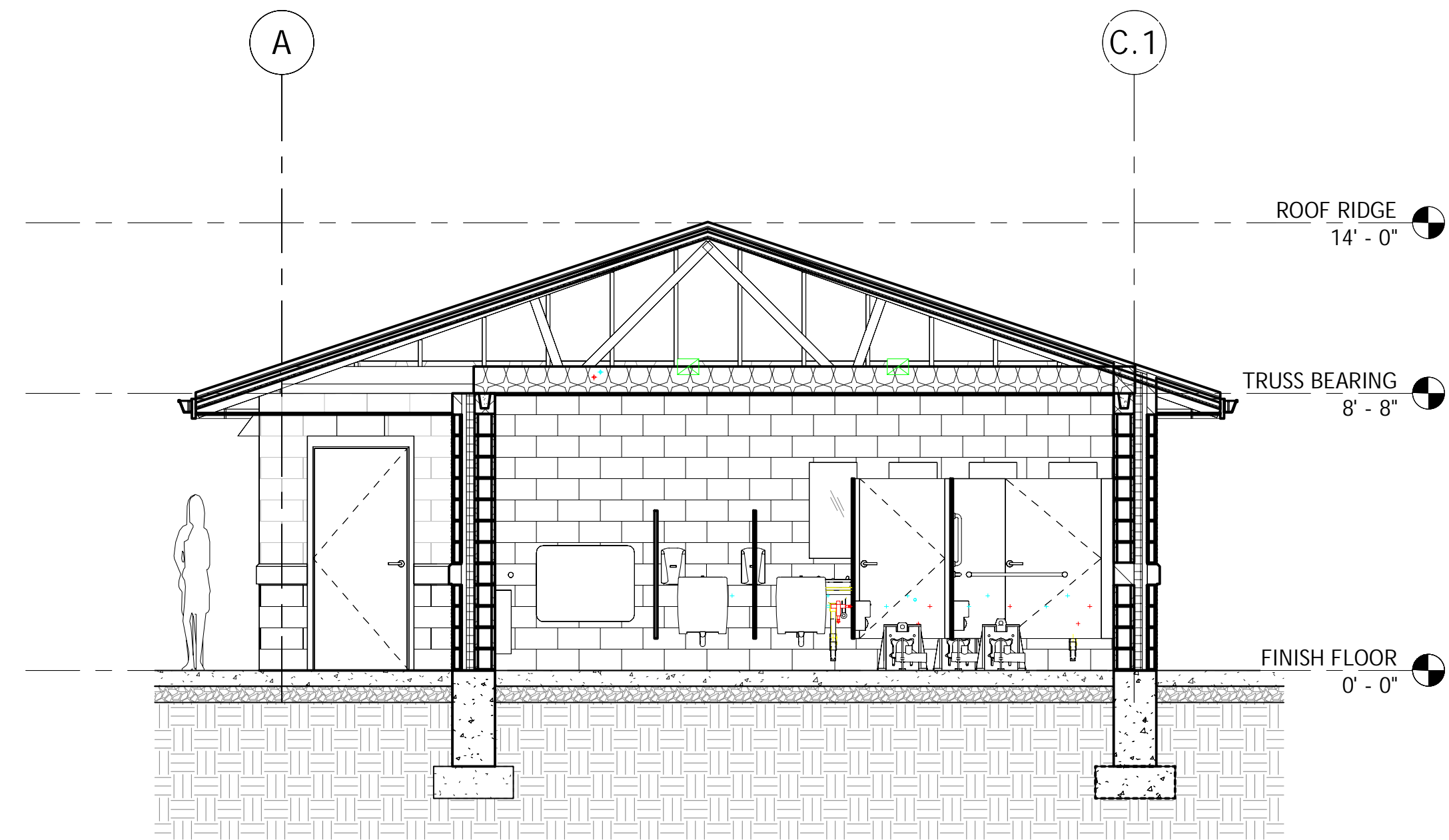
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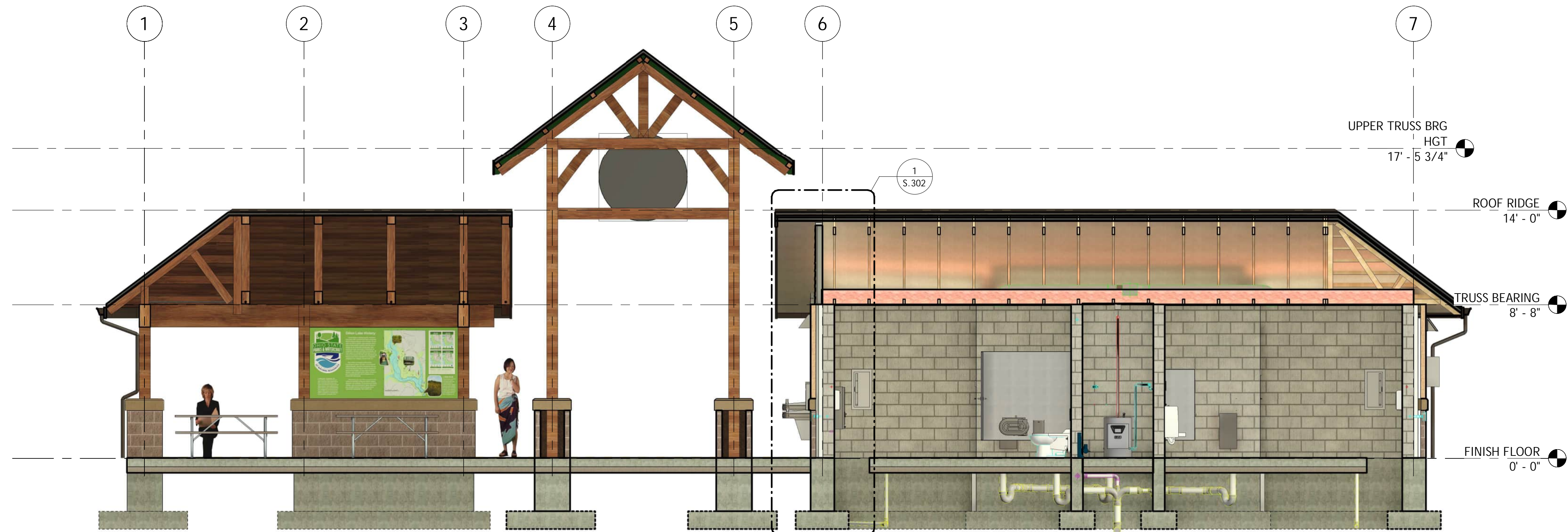
ROOF PLAN



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



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



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

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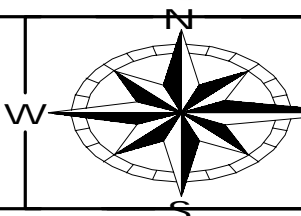
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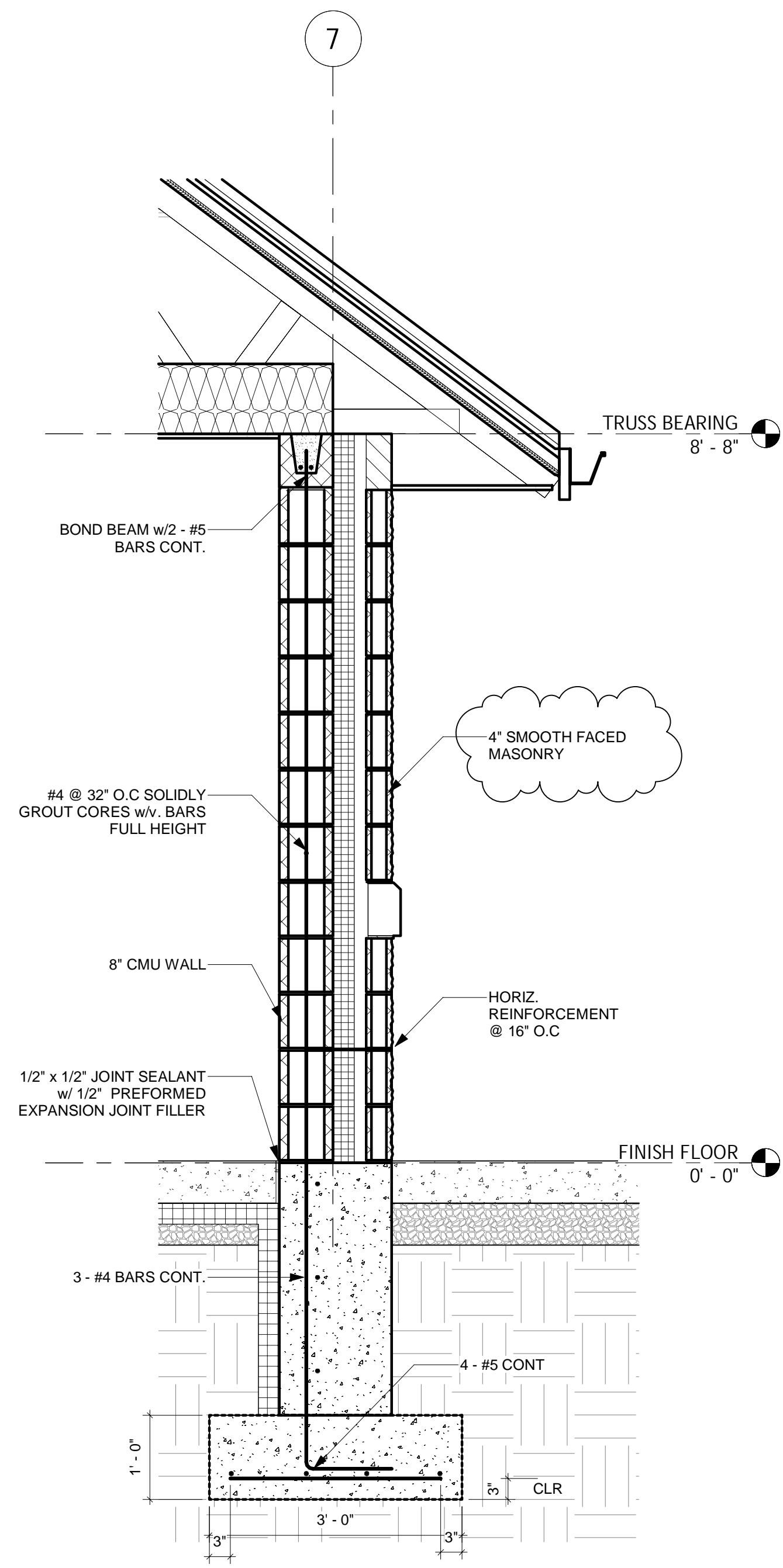


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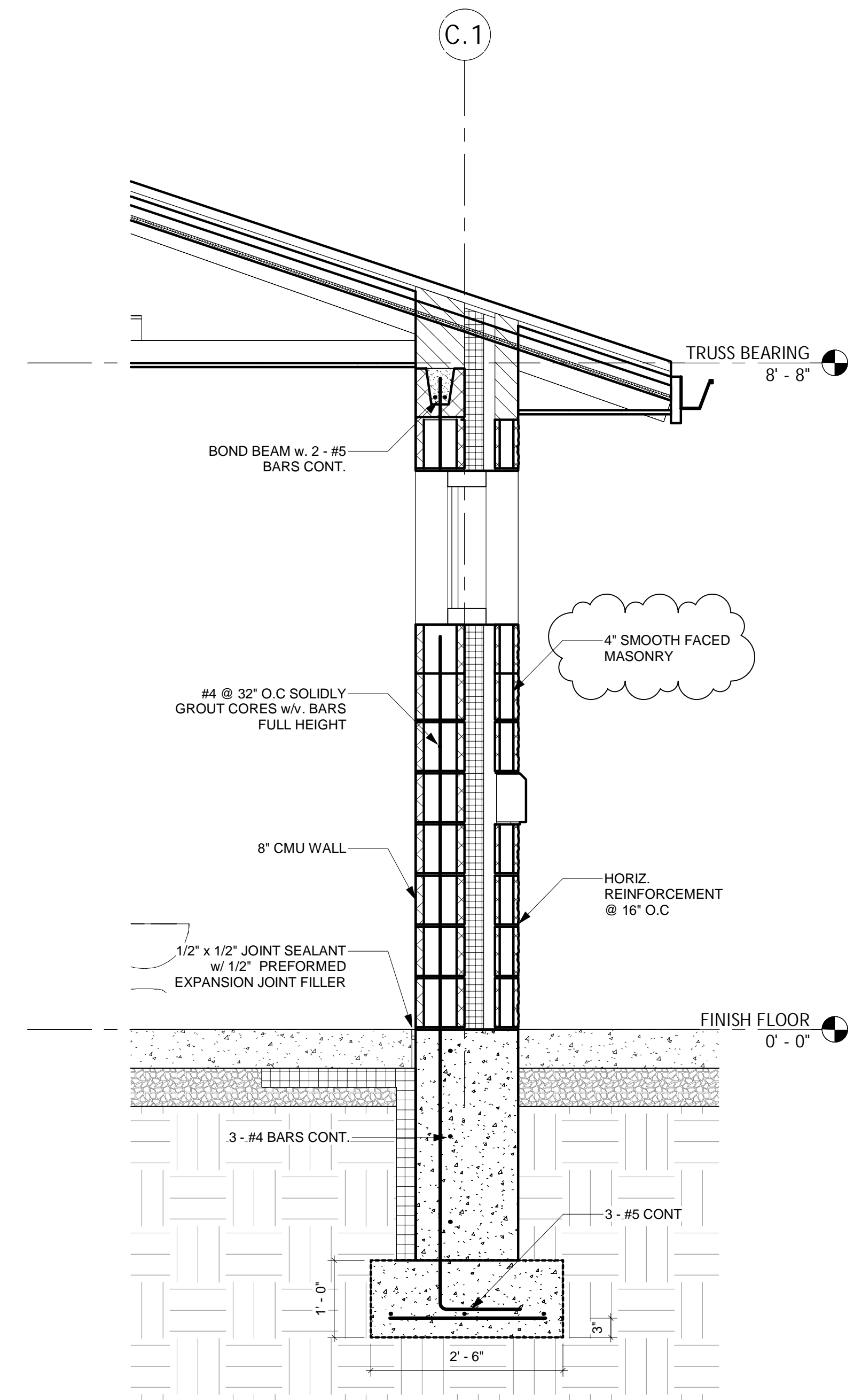
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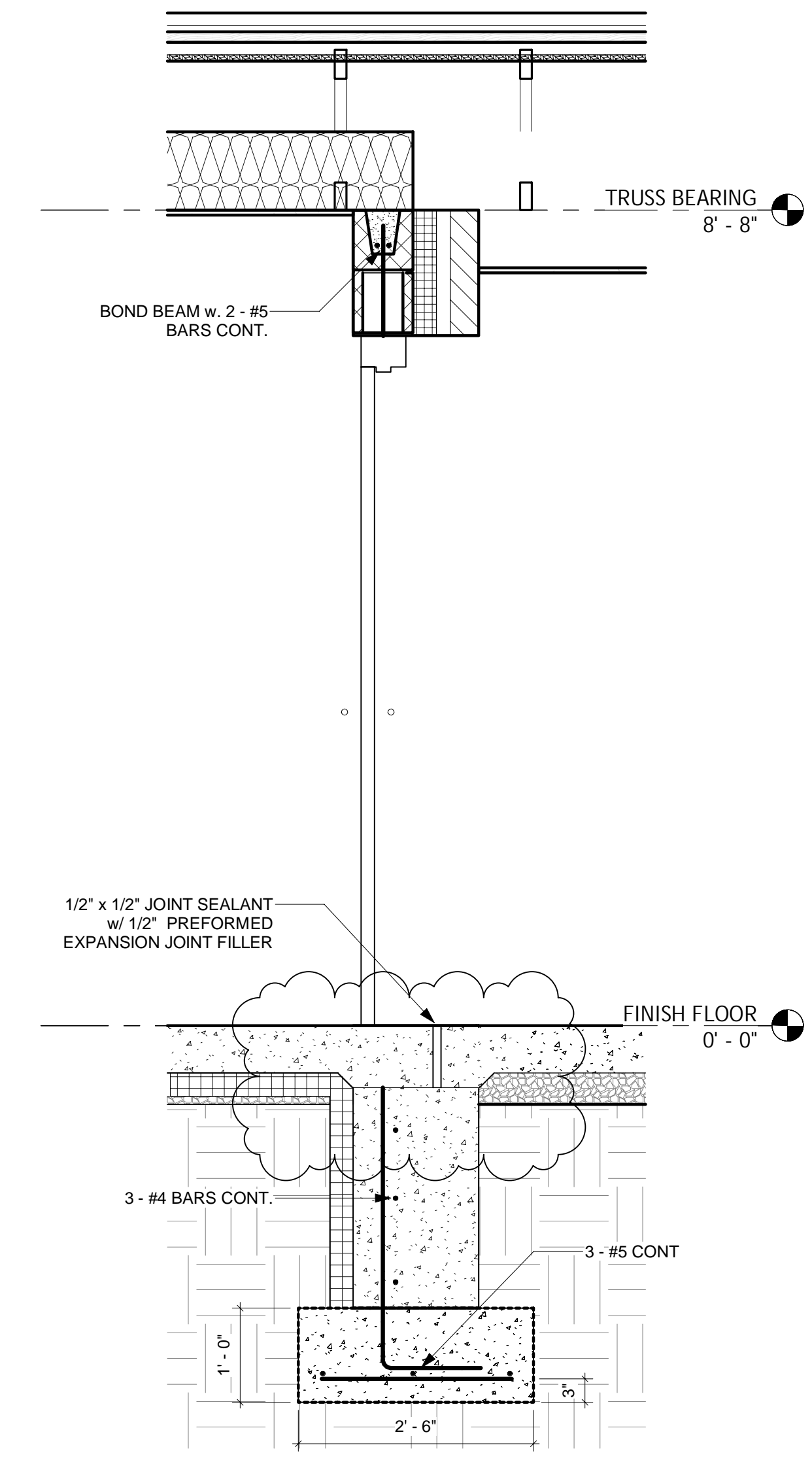
STRUCTURAL BUILDING SECTIONS



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



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



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

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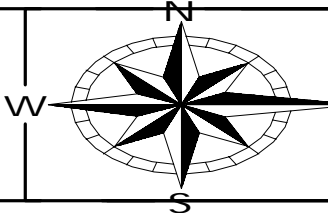
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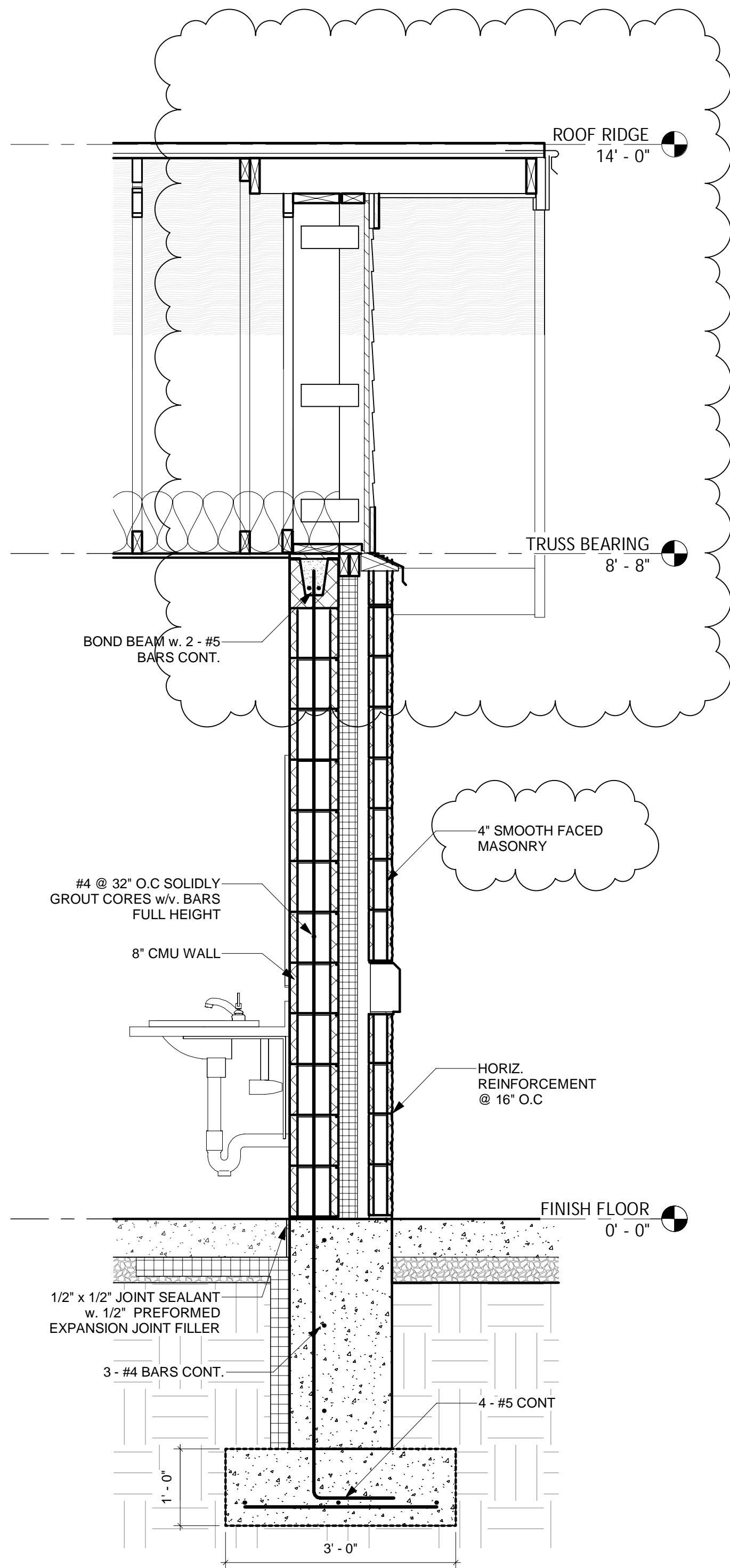
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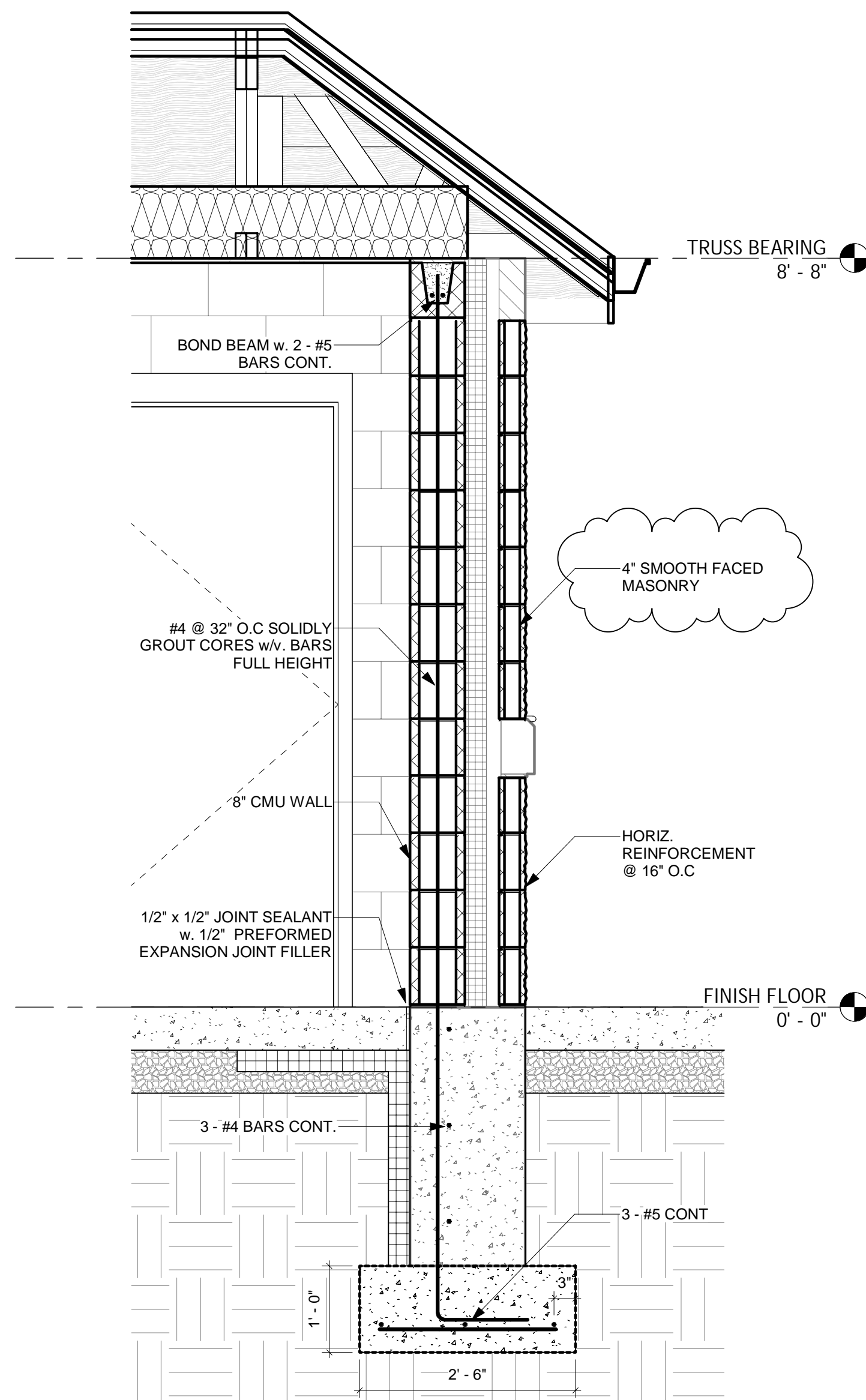
DESIGNED BY:	STAFF	JOB NUMBER:	DNR-250011
DRAWN BY:	STAFF	SCALE:	
CHECKED BY:	STAFF	DATE:	11/14/2025
APPROVED BY:	STAFF	REVISION OR ISSUE:	

STRUCTURAL WALL SECTIONS

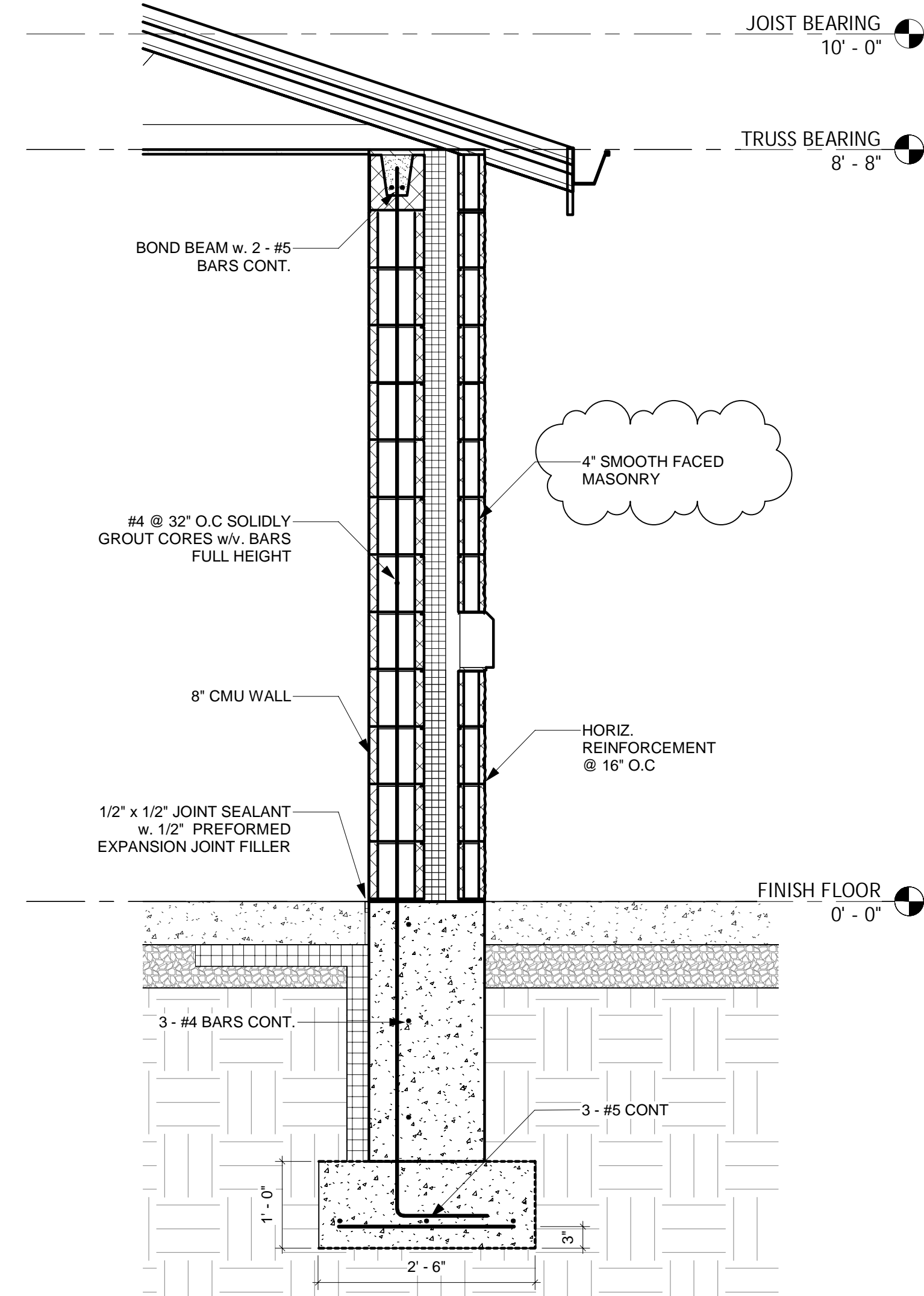




① TYPICAL RESTROOM SECTION 4
3/4" = 1'-0"



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



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

STAR # 24022

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

MEISNER + ASSOCIATES
LAND VISION

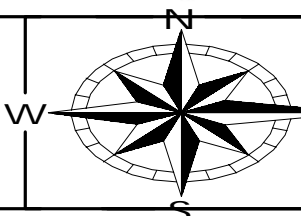
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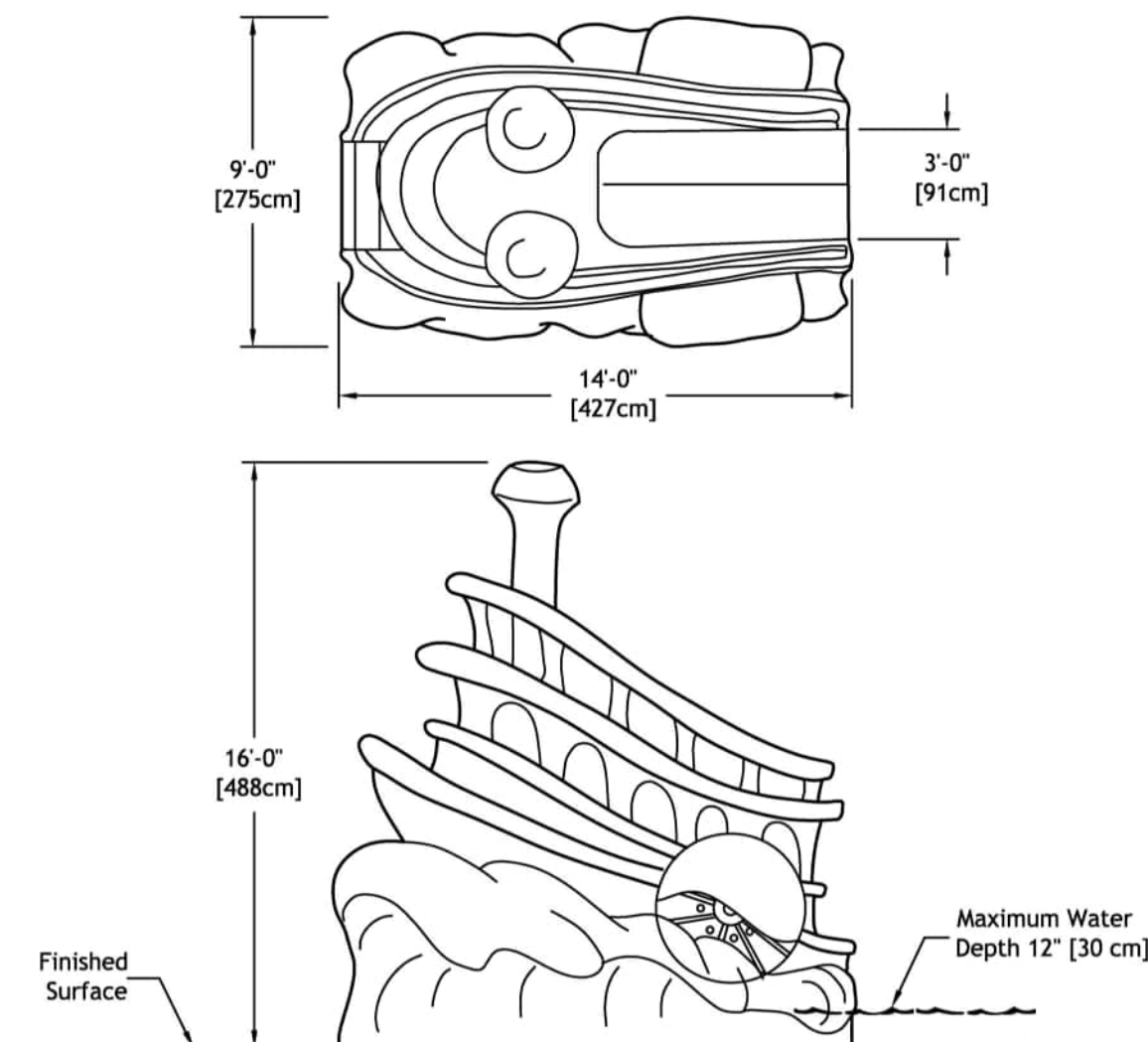


ENGINEERING
Ohio Department of Natural Resources

OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
52566 DILLON HILLS DRIVE
NASHPORT, OHIO 43830

DESIGNED BY:	STAFF	JOB NUMBER:	DNR-250011
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STRUCTURAL WALL SECTIONS



Specifications

Model Number: F1127
 Age Group: 5-12 years.
 Medium Slide: 36 inches wide with steps. 8 inch rise and 8 inch run.
 Construction: Hard foam core with Aqua Armor™ (structural elastomeric polymer outer shell).
 Anchors: Epoxy Anchors, 1/2"-13, 316 SS. (Supplied).
 Fasteners: 1/2"-13 Tamper-resistant 18/8 stainless steel. (Supplied).
 Space Washers: As required; must be non-ferrous. (By Installer).
 Supply Line: 1" with Sch 80 PVC or Brass coupling connection. (By Installer).
 Hydraulic Requirements: 8 GPM (30 LPM) at 3 psi (.21 bar).

Optional Additional Effects Water

- F1127-E Slide with Additional Effects Water
 160 GPM (606 LPM) at 15 psi (1.03 bar).
 Add 3' Effects Supply Pipe.

Note:
 Refer to "Installation Detail" for additional installation procedure.

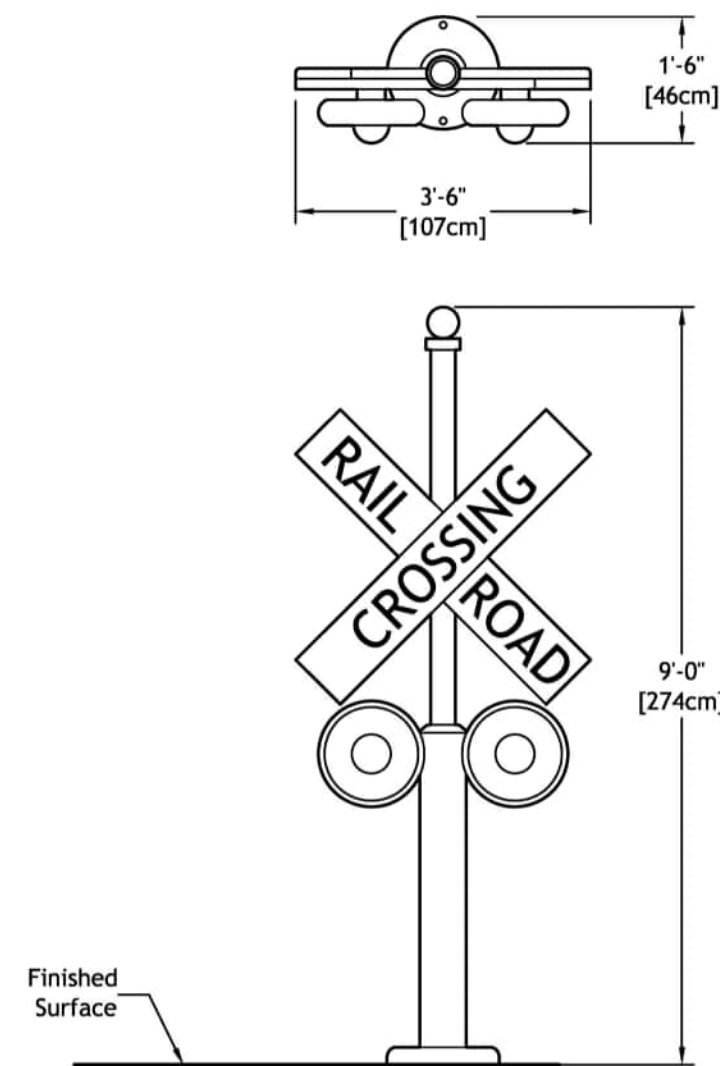


**Pierre Paddle Boat
 Fun Forms™ Large Aqua Slide**

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
 Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

F1127

03-03-18



Specifications

Model Number: F2023
 Construction: Hard foam core with Aqua Armor™ (structural elastomeric polymer outer shell).
 Anchors: Epoxy Anchors, 1/2"-13, 316 SS. (Supplied).
 Fasteners: 1/2"-13 Tamper-resistant 18/8 stainless steel. (Supplied).
 Space Washers: As required; must be non-ferrous. (By Installer).
 Supply Line: 1.5" with Sch 80 PVC or Brass coupling connection. (By Installer).
 Hydraulic Requirements: 36 GPM (136 LPM) at 5 psi (.34 bar).

Note:
 Refer to "Installation Detail" for additional installation procedure.

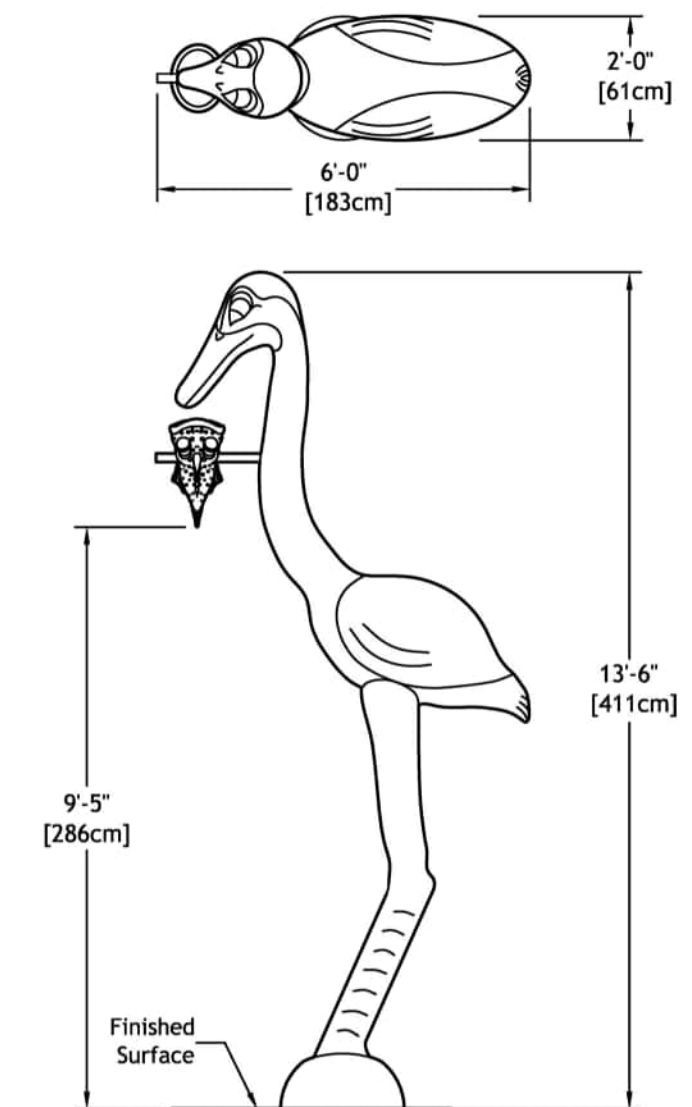


**Crossing Guard
 Fun Forms™ Aqua Sprayer**

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 Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

F2023

11-26-18



Specifications

Model Number: F2025
 Construction: Hard foam core with Aqua Armor™ (structural elastomeric polymer outer shell).
 Anchors: Epoxy Anchors, 1/2"-13, 316 SS. (Supplied).
 Fasteners: 1/2"-13 Tamper-resistant 18/8 stainless steel. (Supplied).
 Space Washers: As required; must be non-ferrous. (By Installer).
 Supply Line: 1.5" with Sch 80 PVC or Brass coupling connection. (By Installer).
 Hydraulic Requirements: 20 GPM (76 LPM) at 10 psi (.69 bar).

Note:
 Refer to "Installation Detail" for additional installation procedure.



**Hector Heron
 Fun Forms™ Aqua Sprayer**

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
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F2025

11-26-18

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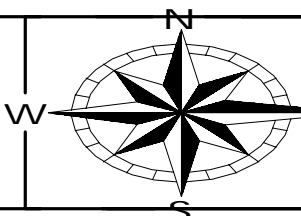
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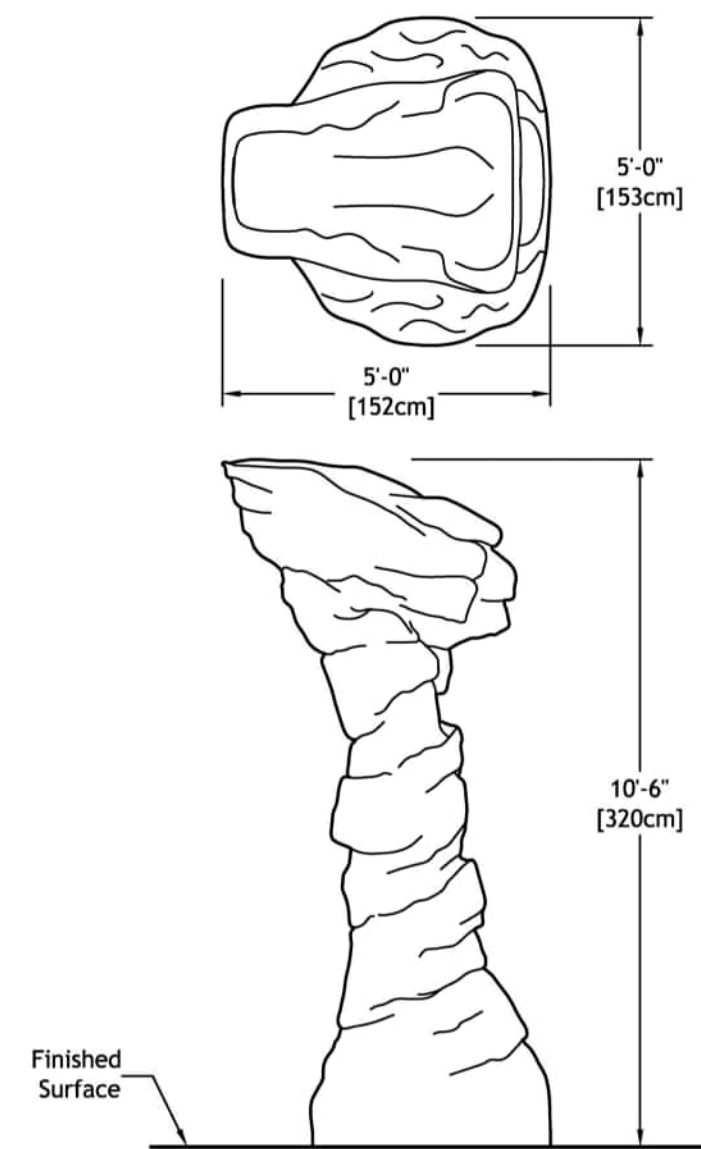
**OHIO DEPARTMENT OF NATURAL RESOURCES
 DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
 52566 DILLON HILLS DRIVE
 NASHPORT, OHIO 43830**

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DRAWN BY:	STAFF	SCALE:	
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APPROVED BY:	STAFF	REVISION OR ISSUE:	

FOUNDATION DETAILS



S.401



Specifications

Model Number: FZ051
Construction: Hard foam core with Aqua Armor™ (structural elastomeric polymer outer shell).
Anchors: Epoxy Anchors, 1/2"-13, 316 SS. (Supplied).
Fasteners: 1/2"-13 Tamper-resistant 18/8 stainless steel. (Supplied).
Space Washers: As required; must be non-ferrous. (By Installer).
Supply Line: 1.5" with Sch 80 PVC or Brass coupling connection. (By Installer).
Hydraulic Requirements: 40 GPM (151 LPM) at 8 psi (.55 bar).

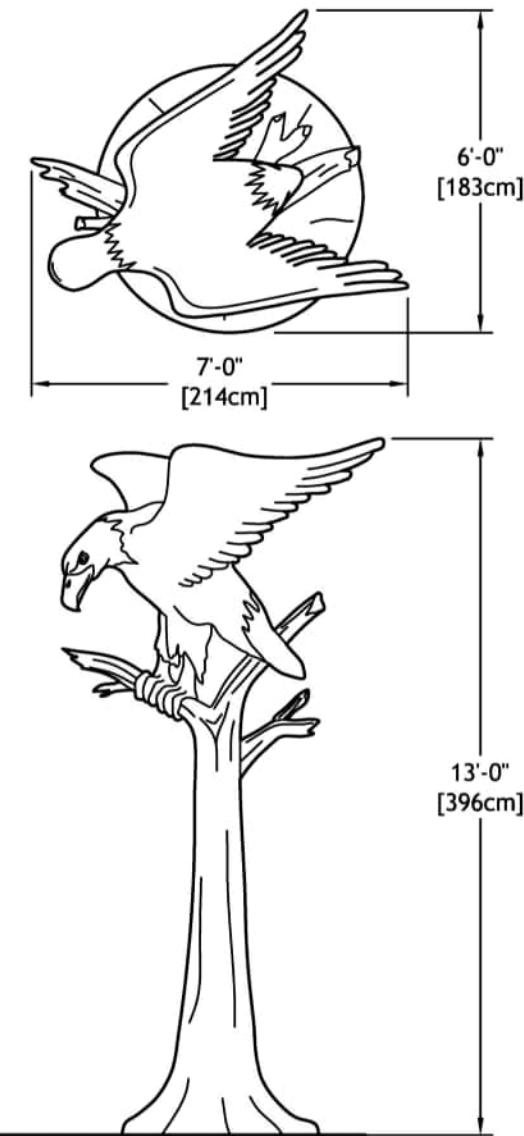
Note:
 Refer to "Installation Detail" for additional installation procedure.



Balanced Rock Fun Forms™ Aqua Sprayer

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 Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

FZ051
 11-26-18



Specifications

Model Number: FZ067
Construction: Hard foam core with Aqua Armor™ (structural elastomeric polymer outer shell).
Anchors: Epoxy Anchors, 1/2"-13, 316 SS. (Supplied).
Fasteners: 1/2"-13 Tamper-resistant 18/8 stainless steel. (Supplied).
Space Washers: As required; must be non-ferrous. (By Installer).
Supply Line: 1.5" with Sch 80 PVC or Brass coupling connection. (By Installer).
Hydraulic Requirements: 50 GPM (189 LPM) at 6 psi (.41 bar).

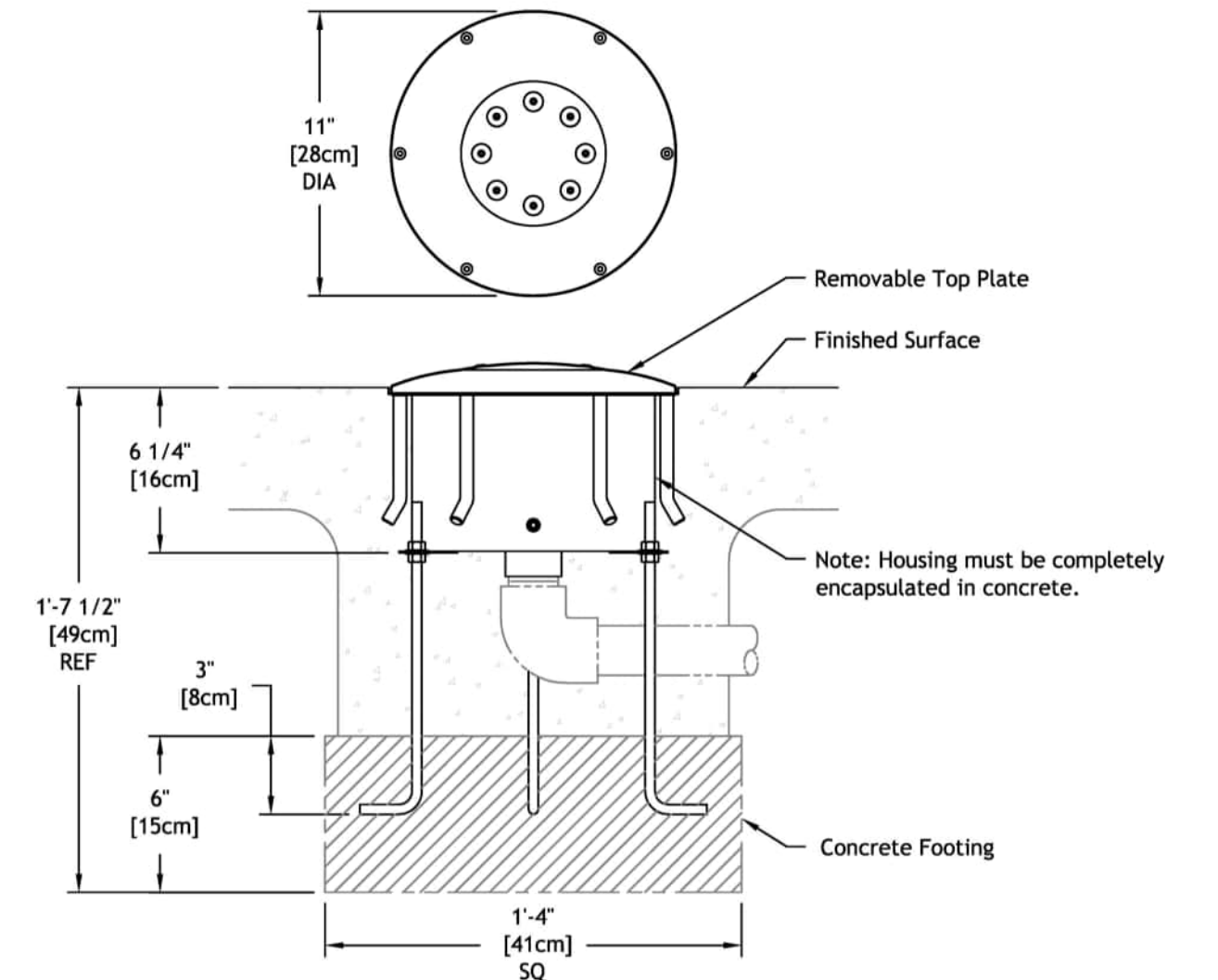
Note:
 Refer to "Installation Detail" for additional installation procedure.



Eagle Eye Fun Forms™ Aqua Sprayer

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FZ067
 11-27-18



Specifications

Model Number: W004
Interactive Water Effect: Shall be an array of outward arching streams of water.
Housing: 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1 1/2" FPT inlet. Supplied with 4, 3/8" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Construction Covers: Reusable 11" diameter HDPE (high density polyethylene).
Top Plate: 11" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating.
Top Plate Anchors: Six 1/2" x 5" machined brass with 30° hook bend.
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzles: Eight precision machined brass.

Hydraulic Requirements

□ W004		
Height	GPM	psi
4'	25	3
7'	31	5
10'	36	8

□ *W004C - Water Conserving Version		
Height	*CGPM	*Cpsi
4'	5	3
7'	7	5
10'	9	6



Daddy Long Legs™

Fountain People, Inc. - PO Box 807 - 4600 Highway 123 - San Marcos, Texas 78667-0807
 Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

W004
 03-07-18

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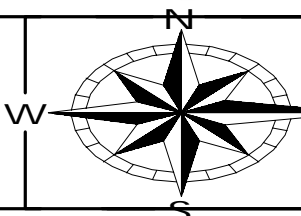
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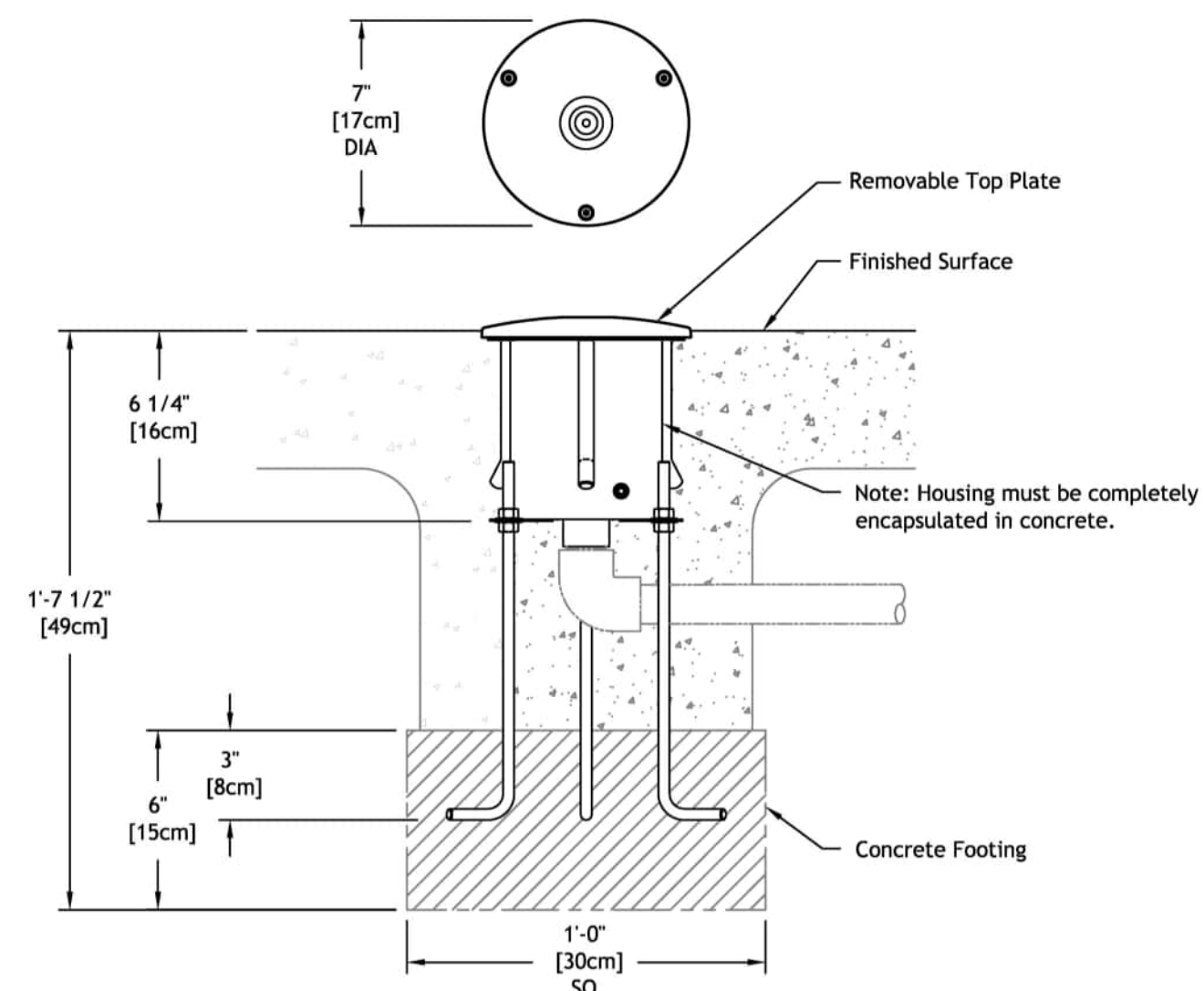
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 DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
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 NASHPORT, OHIO 43830**

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CHECKED BY:	STAFF	DATE:	10/09/25
APPROVED BY:	STAFF	REVISION OR ISSUE:	

FOUNDATION DETAILS



S.402



Specifications

Model Number: W011
Interactive Water Effect: Shall be a vertical aerated stream of water.
Housing: 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1" FPT inlet. Supplied with 4, 3/8" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Construction Cover: Reusable 7" diameter HDPE (high density polyethylene).
Top Plate: 7" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating with a UV and chlorine resistant sealer coat.
Top Plate Anchors: Three 1/2" x 5" machined brass with 30" hook bend.
Fasteners: Tamper-resistant 18/8 stainless steel.
Nozzle: Precision machined brass.

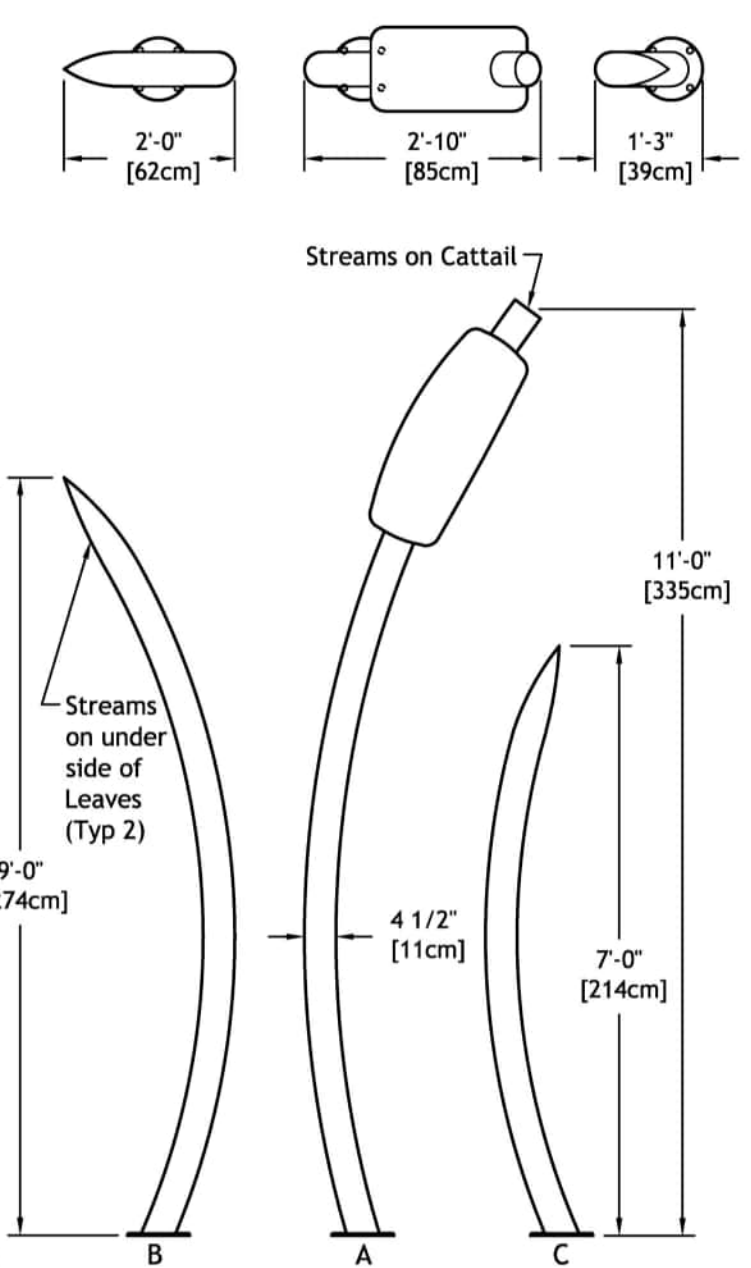
Hydraulic Requirements

Height	GPM	psi
2'	6	2
4'	9	4
6'	12	6

Height	*CGPM	*Cpsi
2'	2	1
4'	3	2
6'	4	4
10'	5	8

Specifications

Model Number: W322
Interactive Water Effect: Shall be a stream effect.
Shaft: 4" type 304 stainless steel pipe with machined type 304 base plate.
Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 3/8" x 12" x 2" 18/8 stainless steel anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gasket: 70 durometer EPDM o-ring.
Fasteners: Tamper-resistant 18/8 stainless steel.
Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
Nozzles: Machined cast bronze and brass.



Hydraulic Requirements

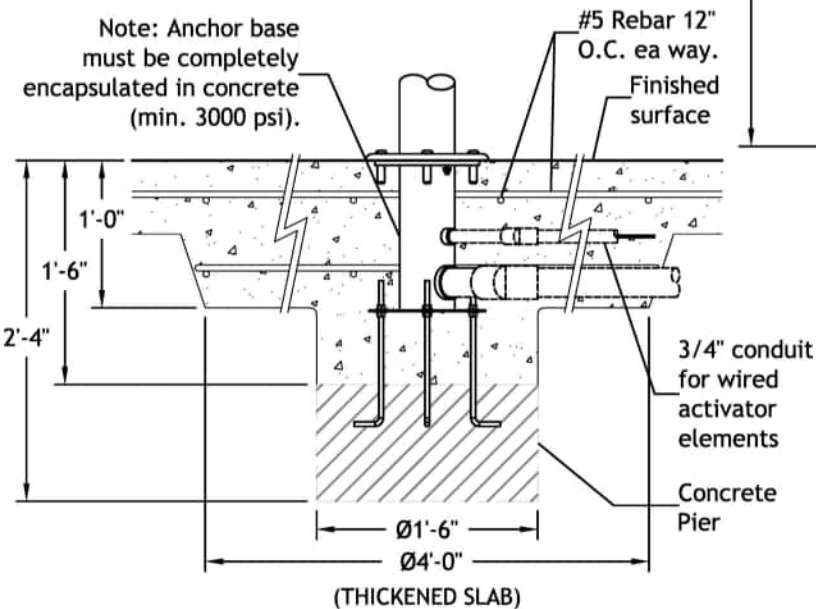
- C - Small Leaf

GPM	psi
7.5	8
- B - Medium Leaf

GPM	psi
7.5	8
- A - Fat Cat - Tall Cattail

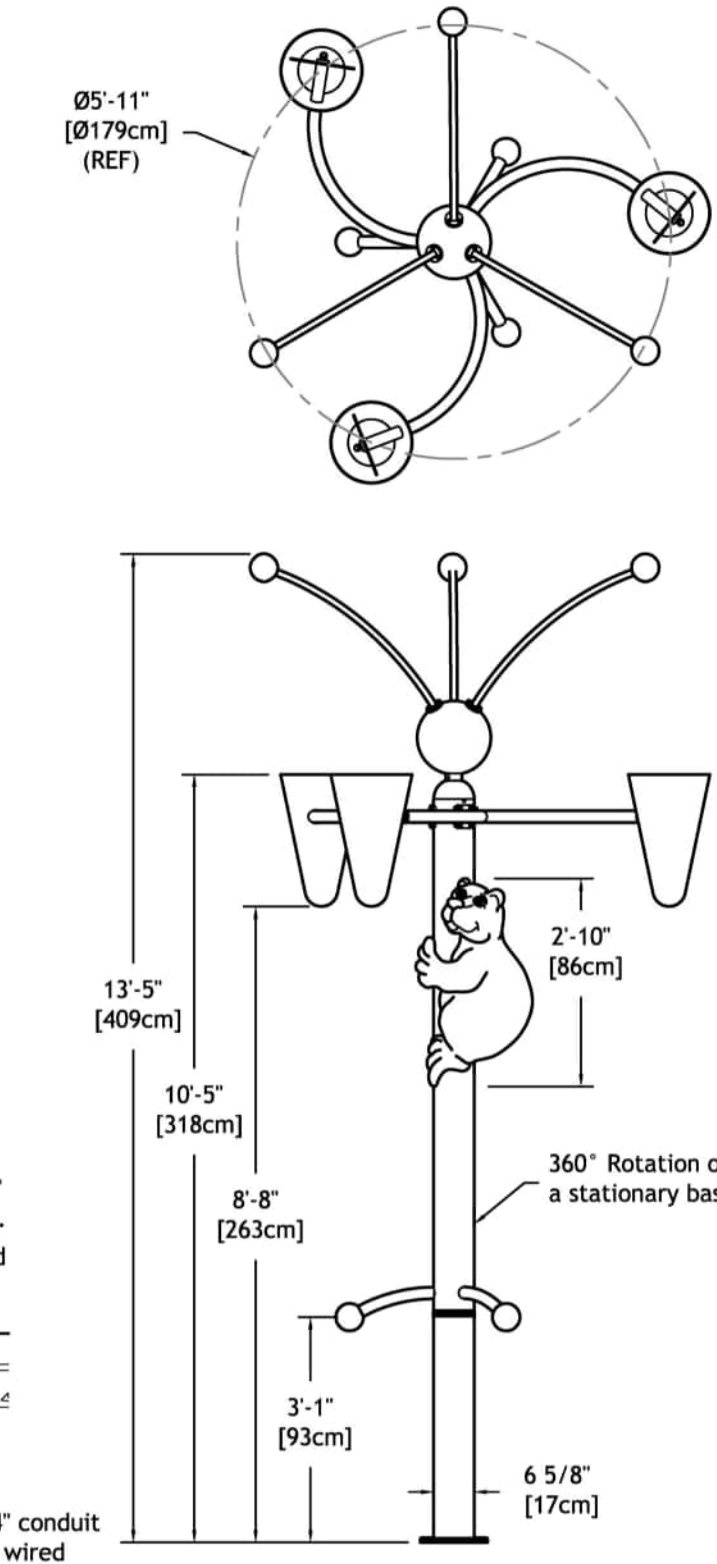
GPM	psi
9	8

Anchor Base

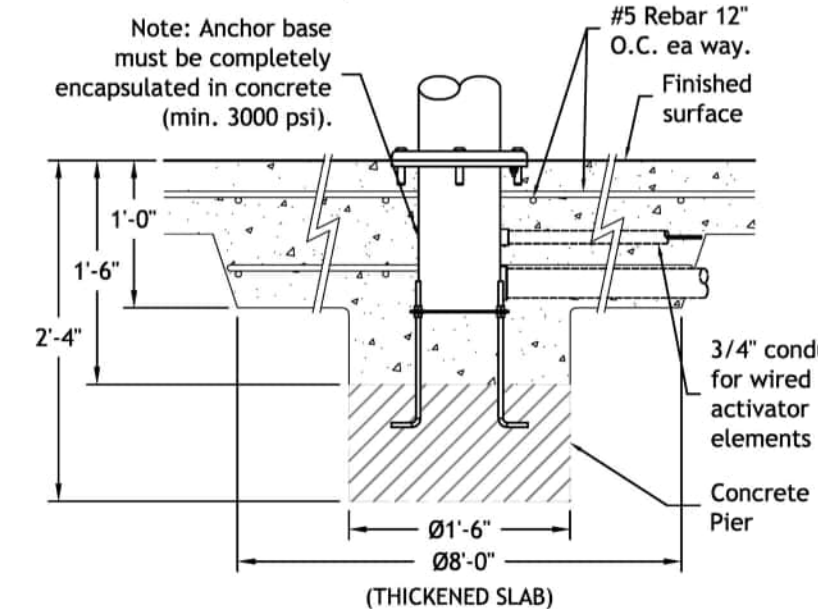


Specifications

Model Number: W347
Interactive Water Effect: Shall be a bucket dump effect requiring the alignment of the fill lines with the buckets.
Bear: High density molded foam.
Shaft: Straight 6" diameter type 304 stainless steel with machined type 304 handles and base plate.
Arms: 1 1/2" type 304 stainless steel pipe.
Buckets: Heavy-duty FRP (fiber reinforced polyester).
Joint: Delrin®.
Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 3/8" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gasket: 70 durometer EPDM o-ring.
Fasteners: Tamper-resistant 18/8 stainless steel.
Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
Color: Themed per catalog photo.
Nozzles: 3 stainless steel precision jets.



Anchor Base



Hydraulic Requirements

Height	GPM	psi
15'-0"	15-30	8



Jet Way™

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W011
03-07-18



W322 Cattails™

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W322
04-25-12



Honey Bear Buckets™

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 Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

W347
01-10-19

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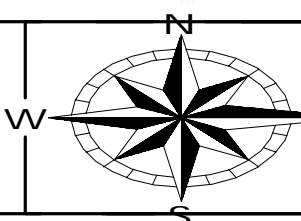
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FOUNDATION DETAILS



S.403

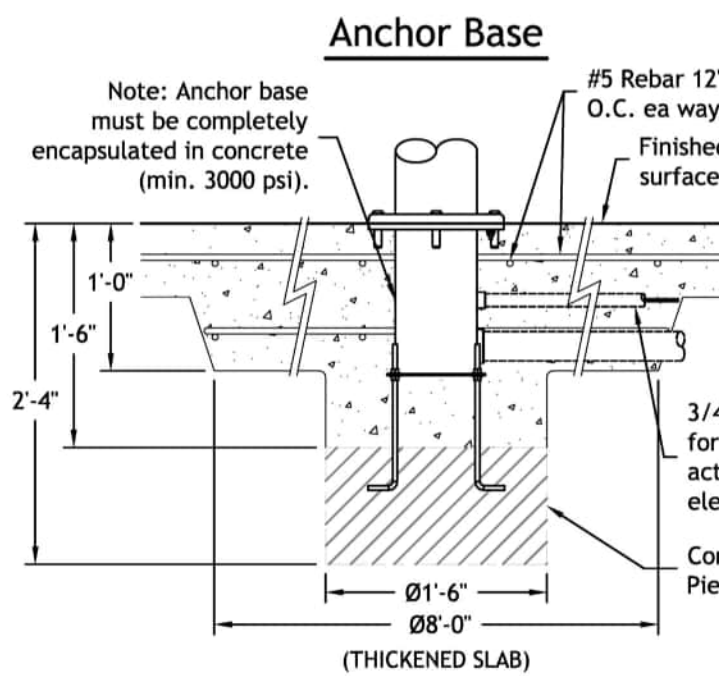
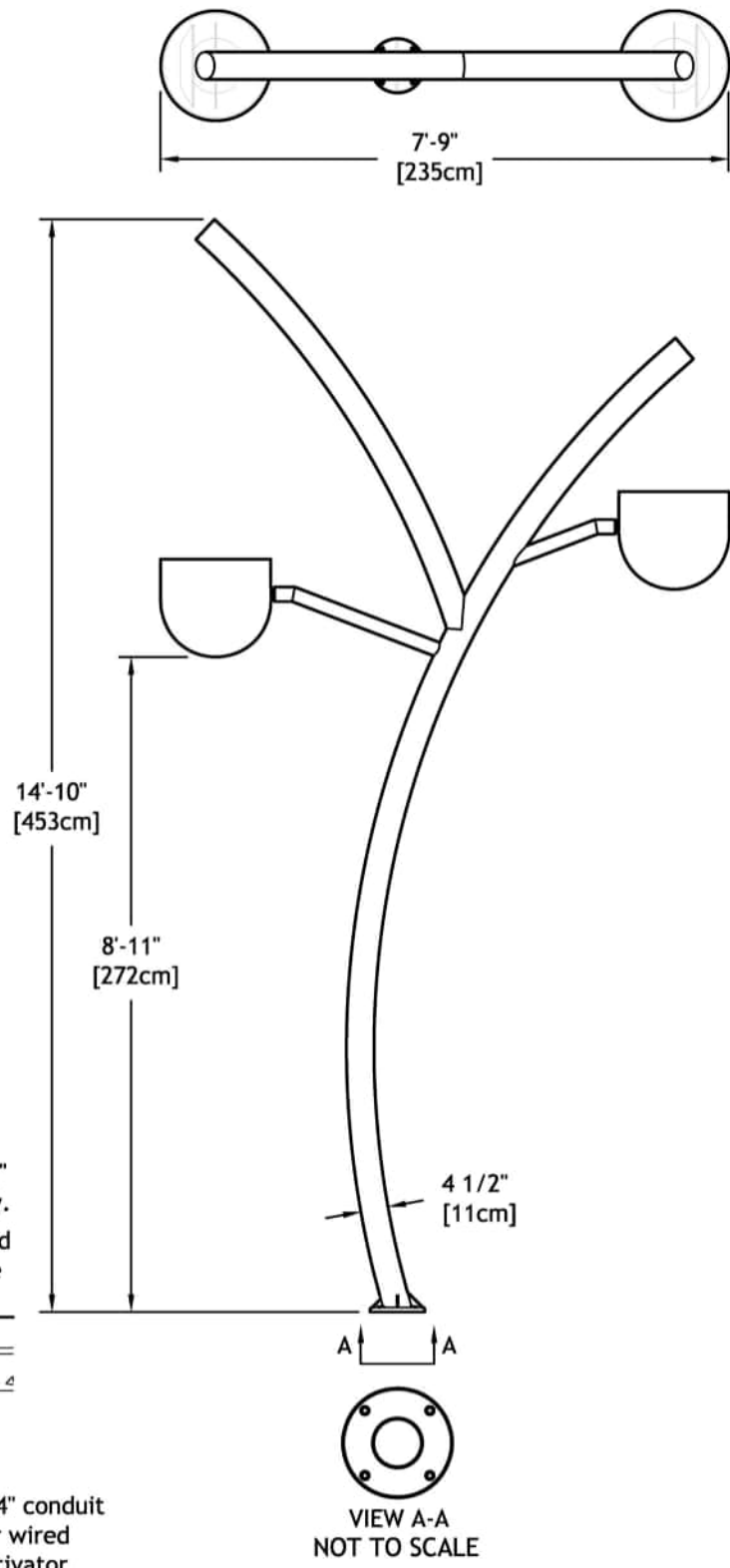
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Specifications

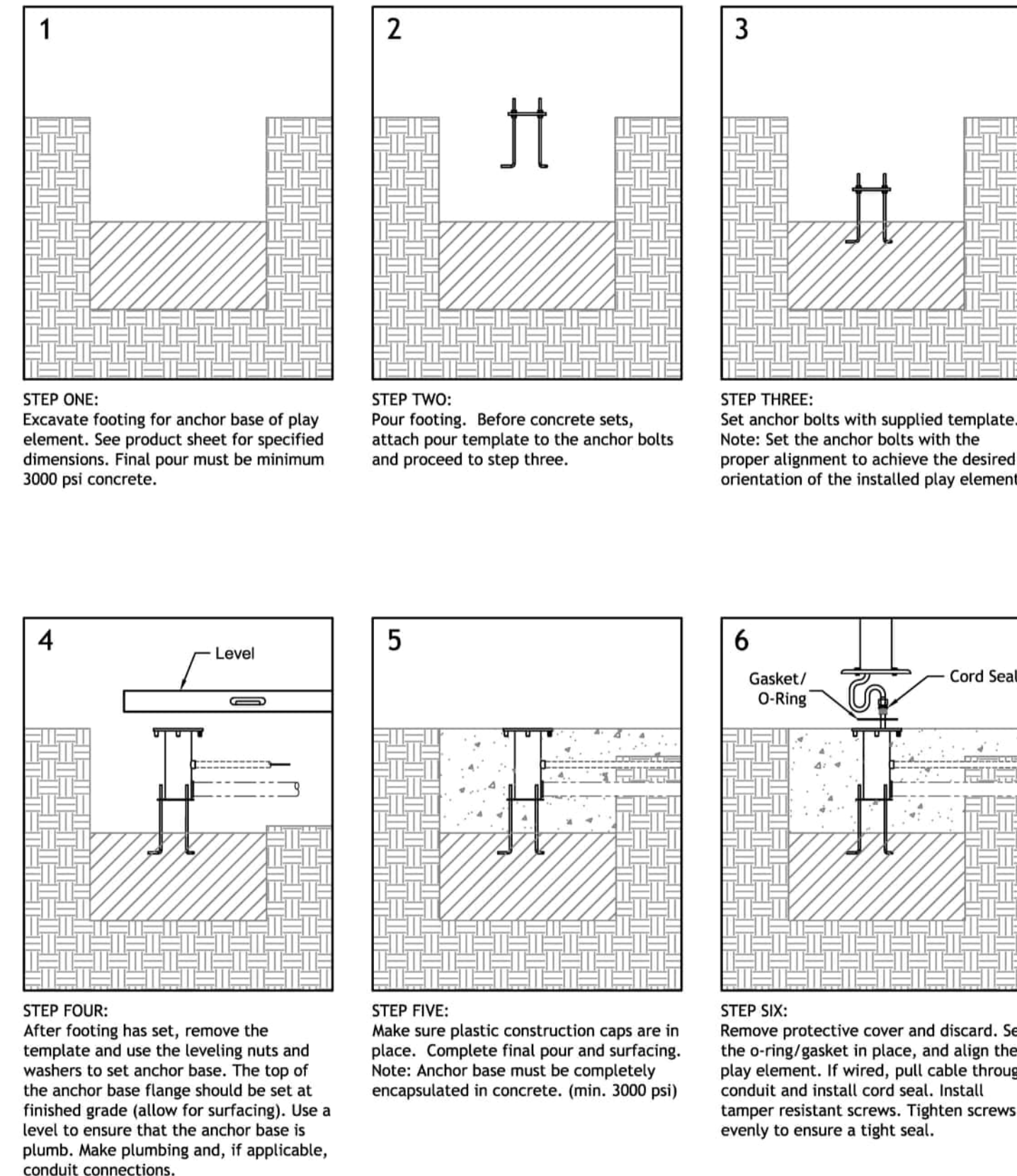
Model Number: W356
Interactive Water Effect: Shall be a dump bucket effect regulated by volume of flow.
Shaft: 4" type 304 stainless steel pipe with machined type 304 base plate.
Arms: 2" type 304 stainless steel pipe.
Buckets: Heavy-duty FRP (fiber reinforced polyester).
Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 3/8" x 12" x 2 anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gaskets: 70 durometer EPDM o-ring.
Fasteners: Tamper-resistant 18/8 stainless steel.
Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
Nozzles: 2 stainless steel flow control nipples.



Dew Buckets™

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12-19-18



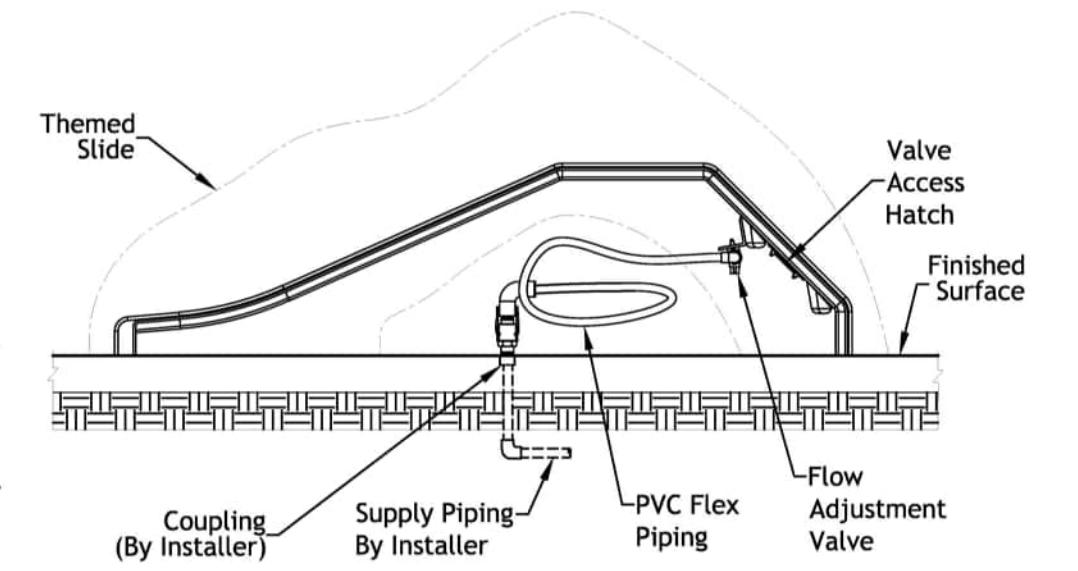
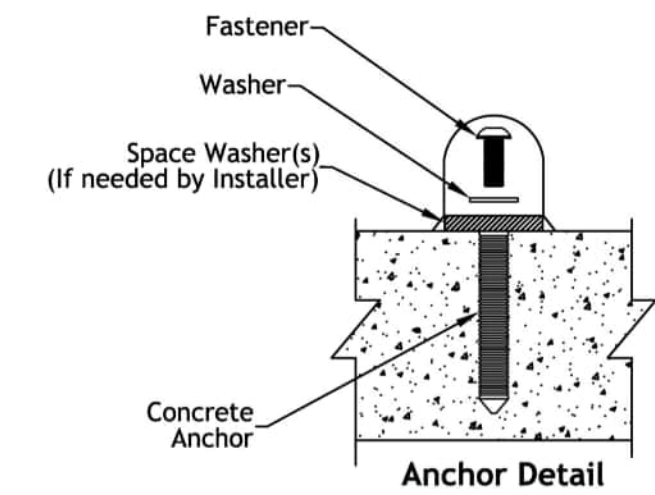
Above Grade Anchor Base Installation Detail

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01-10-19

Installation Instructions

- Step 1:** Excavate for slab and run piping for Aqua Slide™ with sch 80 PVC or brass threaded (FNPT) coupling.
- Step 2:** Pour slab and ensure coupling is level and plumb with finished surface for final connection. Concrete must be minimum 3000 psi.
- Step 3:** Use a forklift (medium & large slides only) to maneuver the Aqua Slide™ into the final position. Mark the position of the concrete anchors. Remove the Aqua Slide™ and install the concrete anchors per anchor installation instructions.
- Step 4:** Raise and support Aqua Slide™. Connect flex piping to supply piping coupling. Pressure test plumbing connection.
- Step 5:** Lower the Aqua Slide™ into position. Install anchor fasteners and washers; use spacer washers if finished surface is not flat. **Do not flex element to finished surface!** Adjustments to Aqua Slide™ flow will be made through the valve access hatch.
- Step 6:** Fill gaps greater than 3/16" with MasterSeal® NP1



Aqua Slide™ Installation Detail for Slide

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F1000 Series
 9-25-24

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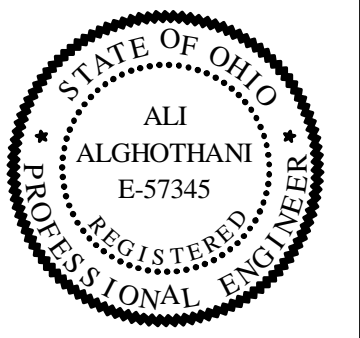


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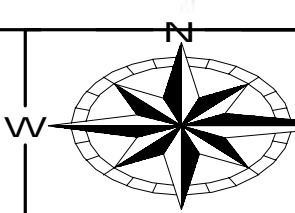
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FOUNDATION DETAILS



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Installation Instructions

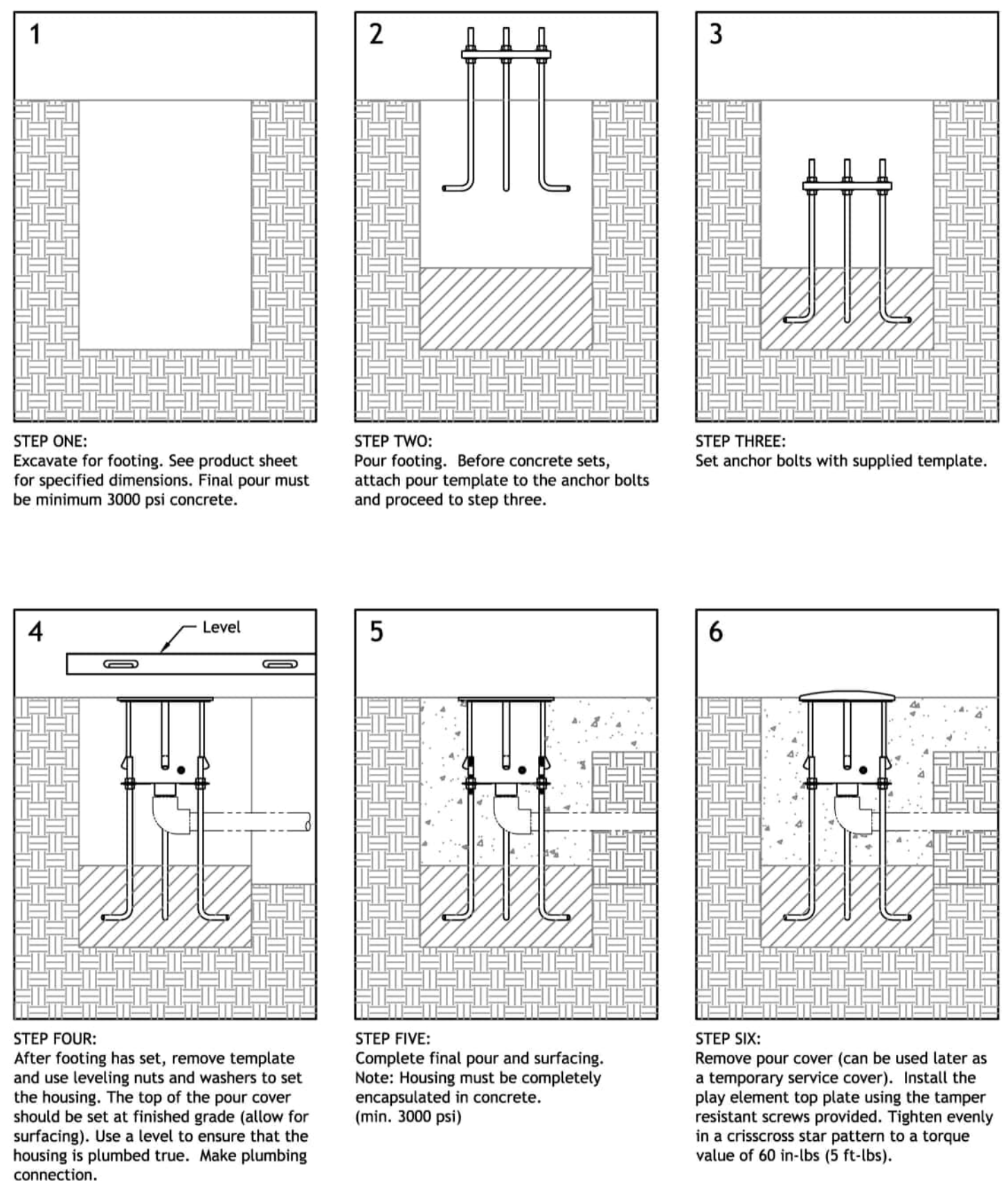
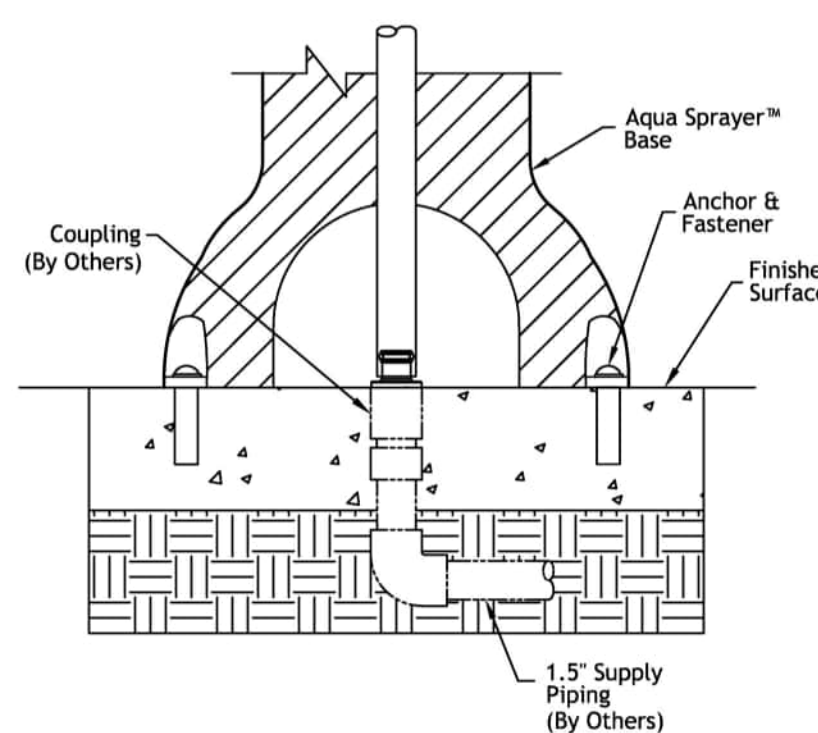
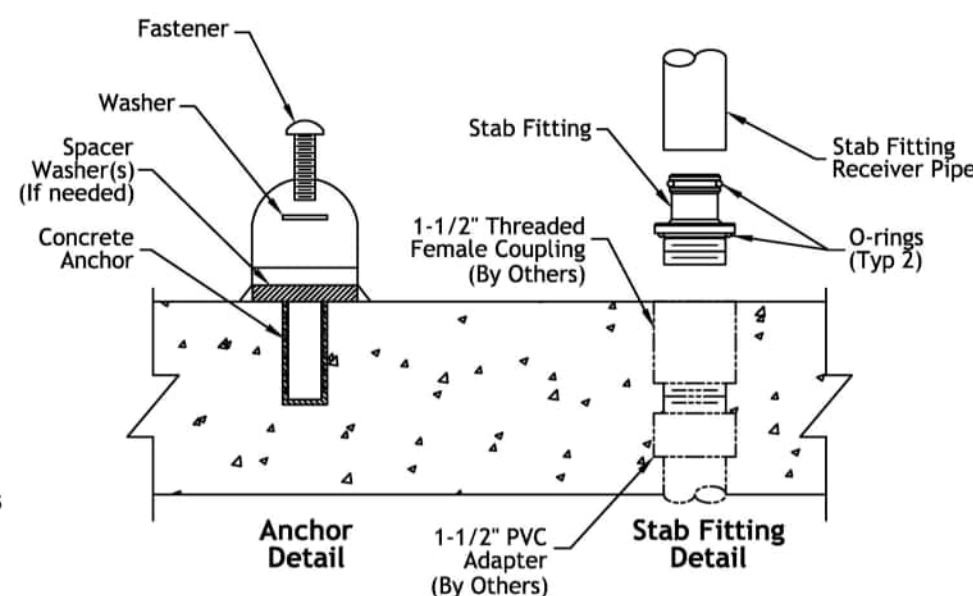
STEP 1:
Excavate for slab and run piping for Aqua Sprayer™ with Sch 80 PVC or brass female threaded coupling.

Step 2:
Pour slab and ensure Coupling is level & plumb with finished surface for final connection. Concrete must be minimum 3000 psi.

Step 3:
Hand tighten Stab Fitting onto Coupling. Ensure O-rings are placed correctly on Stab Fitting and lubricate with provided grease.

Step 4:
Set Aqua Sprayer™ into place ensuring Stab Fitting aligns with Stab Fitting Receiver Pipe. Rotate the Aqua Sprayer™ to face desired direction. Mark the location for the Concrete Anchors. Remove the Aqua Sprayer™ and install the Concrete Anchors per anchor manufacturer's requirements.

Step 5:
Replace the Aqua Sprayer™ into position. Install Anchor Fasteners and Washers; use Spacer Washers if finished surface is not flat. Do not flex Aqua Sprayer™ to finished surface.



Aqua Sprayer™
Installation Detail

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Phone (512) 392-1155 - Fax (512) 392-1154 - www.wateryodyssey.com

09/18/18
Rev 6



Grade Level
Installation Detail

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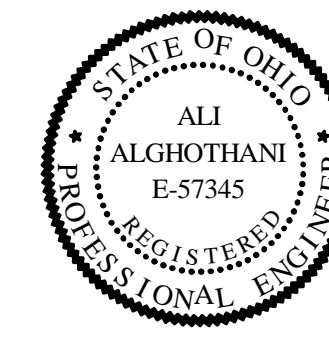
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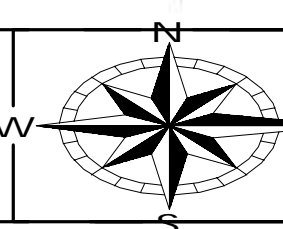
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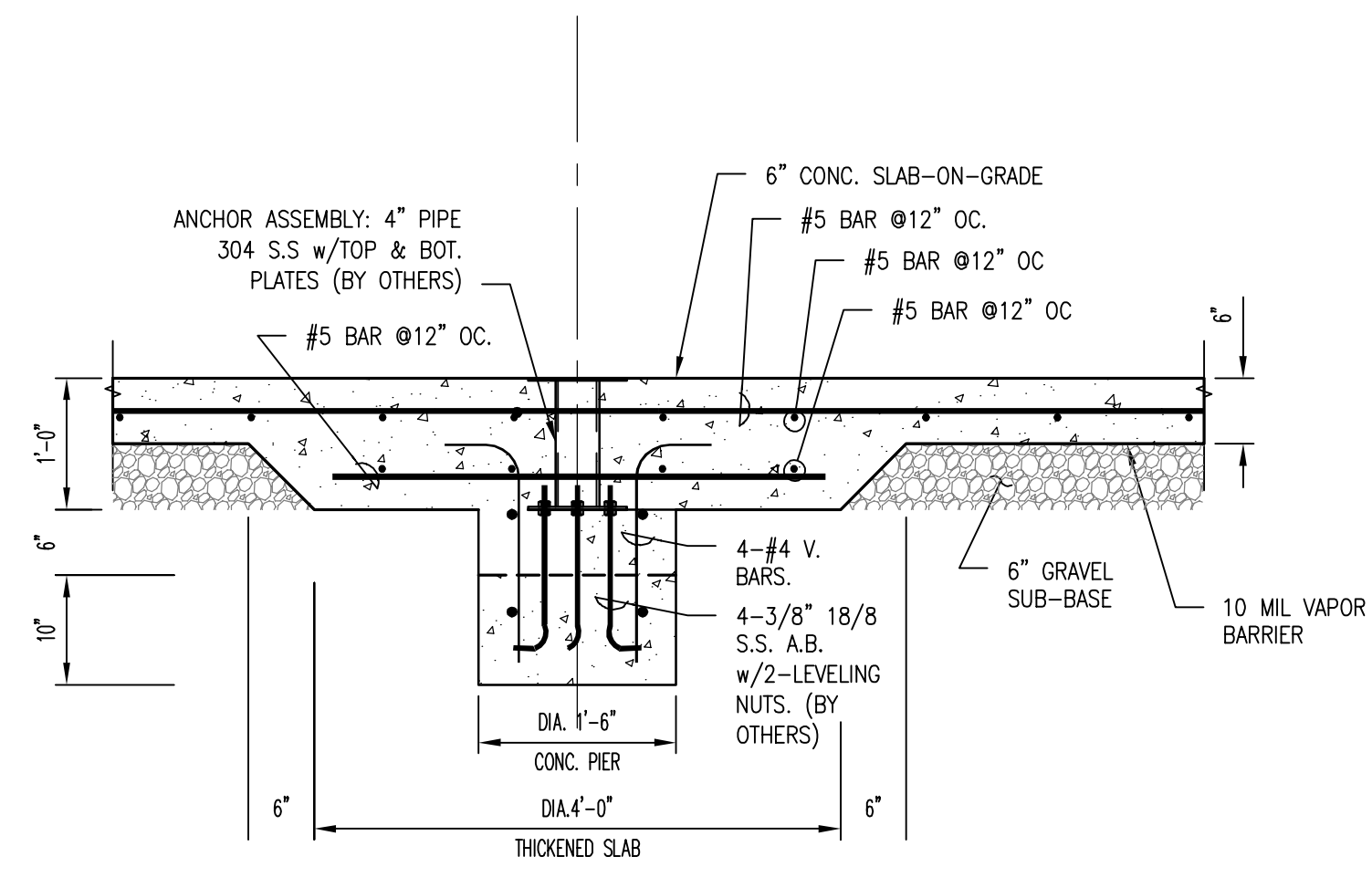
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OHIO DEPARTMENT OF NATURAL RESOURCES
DILLON STATE PARK VISITOR EXPERIENCE ENHANCEMENT
52566 DILLON HILLS DRIVE
NASHPORT, OHIO 43830

DESIGNED BY:	STAFF	JOB NUMBER:	DNR-250011
DRAWN BY:	STAFF	SCALE:	
CHECKED BY:	STAFF	DATE:	10/09/25
APPROVED BY:	STAFF	REVISION OR ISSUE:	

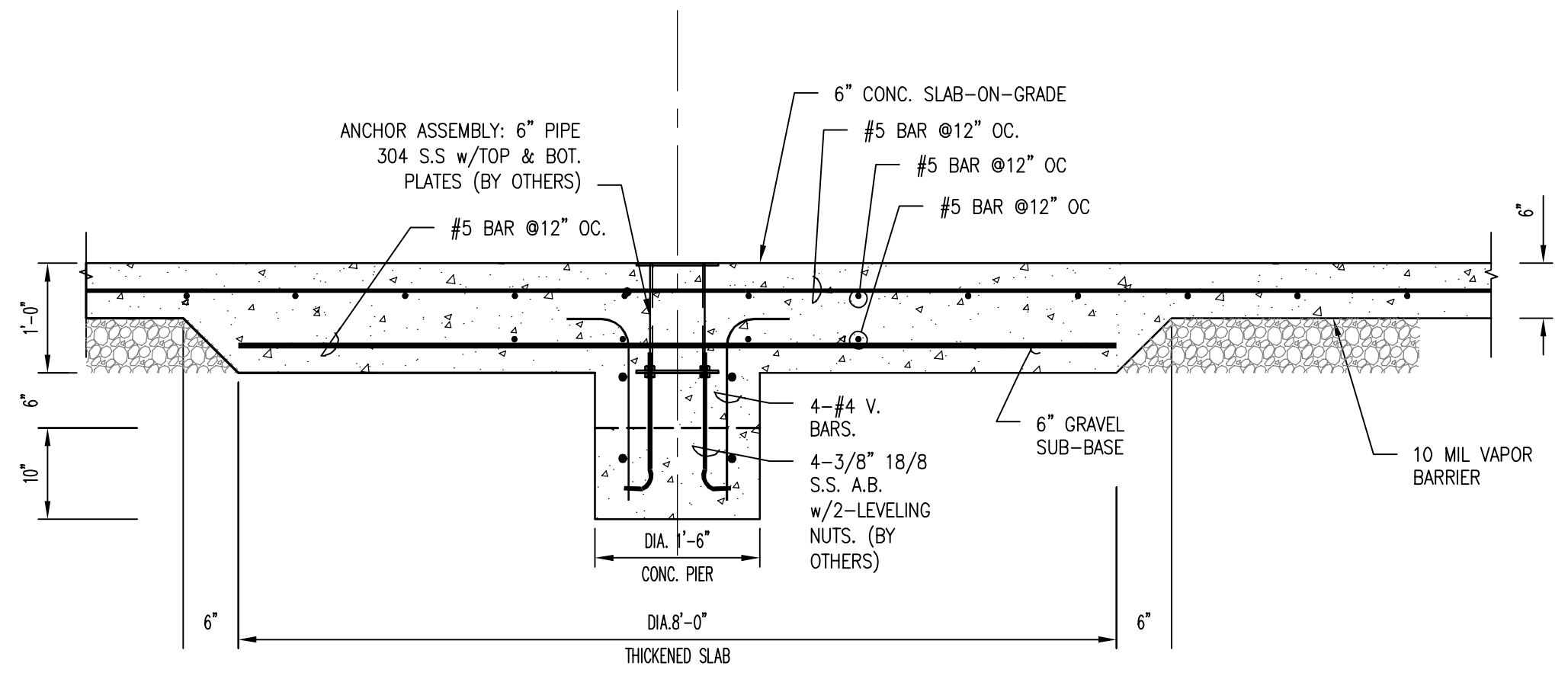
FOUNDATION DETAILS

S.405



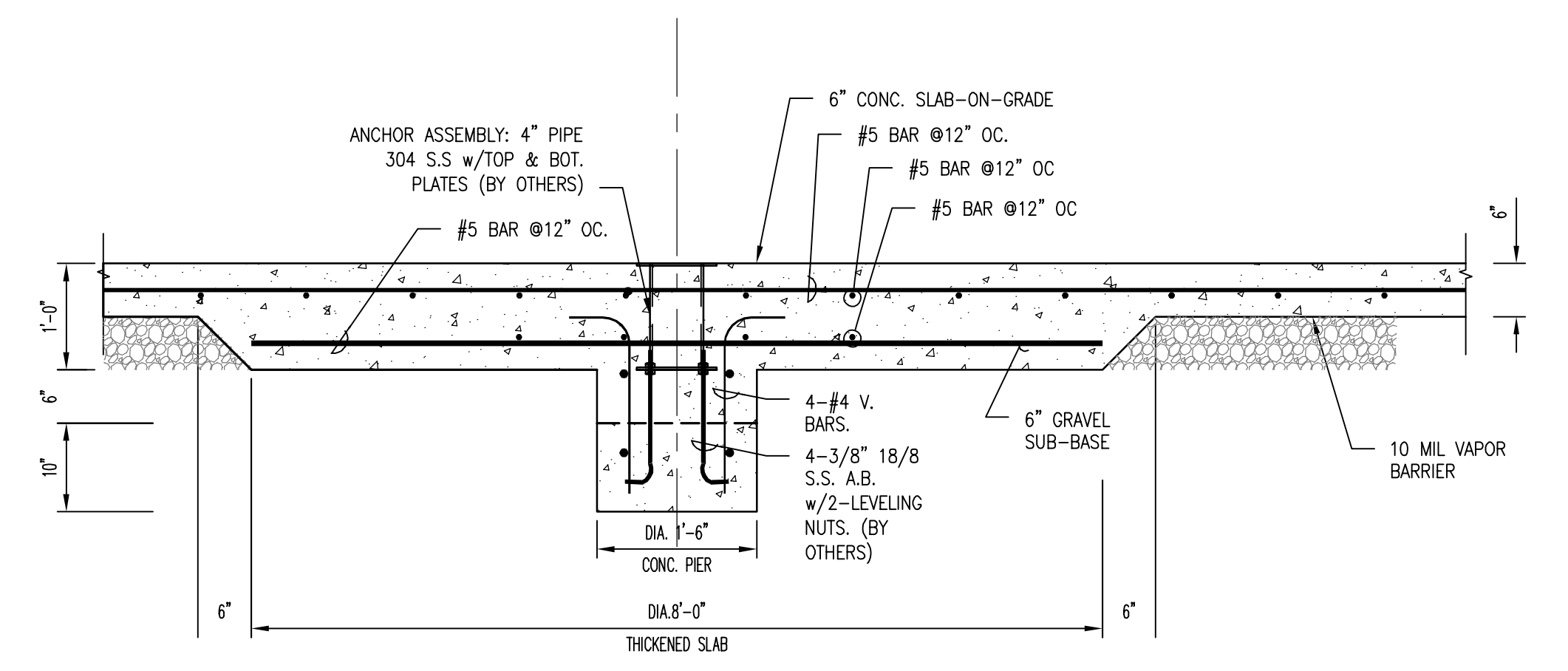
SEE W322:
 • FAT CAT (TYPICAL OF 2)
 • MEDIUM LEAF (TYPICAL OF 2)
 • SMALL LEAF (TYPICAL OF 2)

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



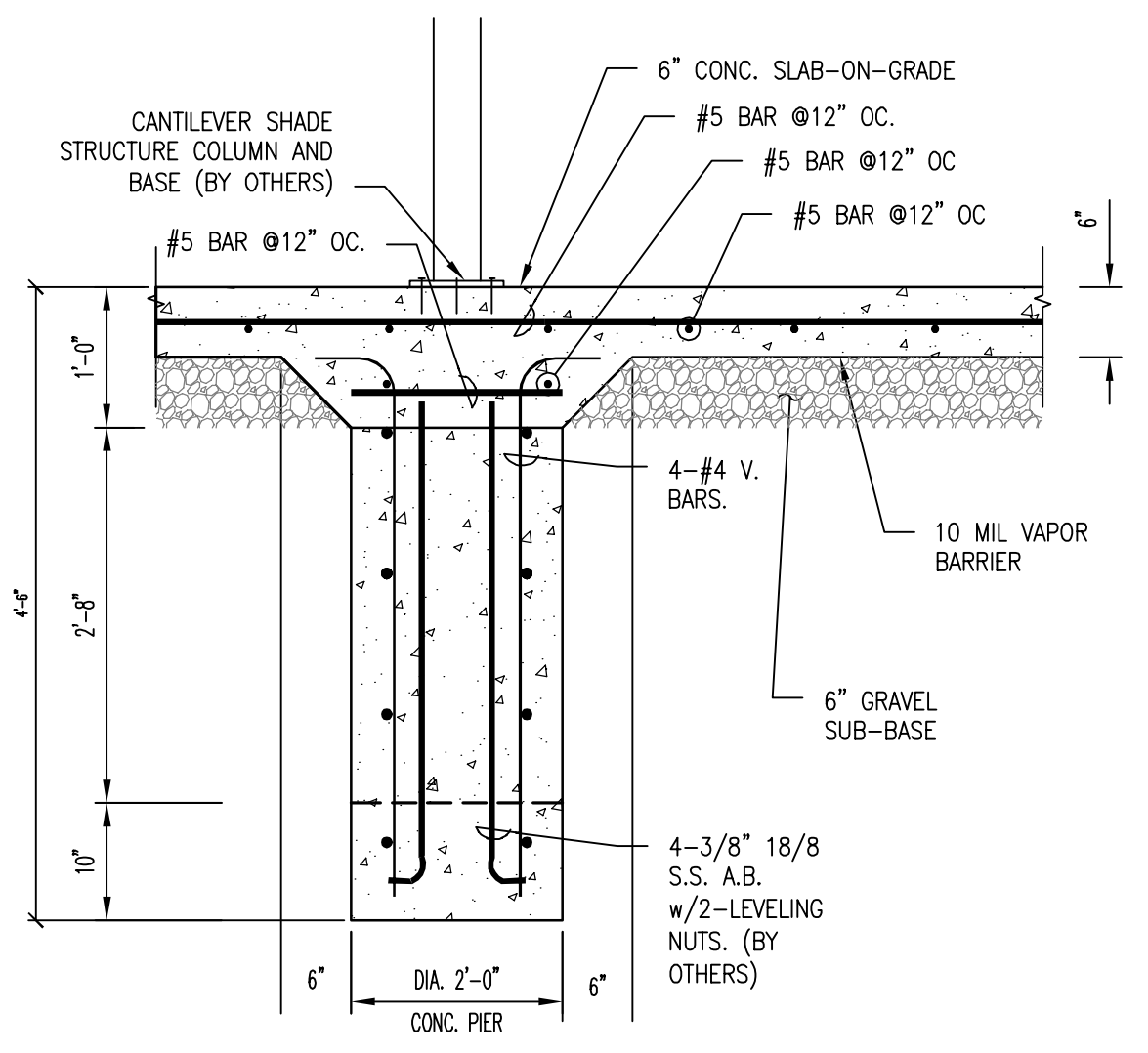
SEE W347:
 • HONEY BEAR BUCKETS

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



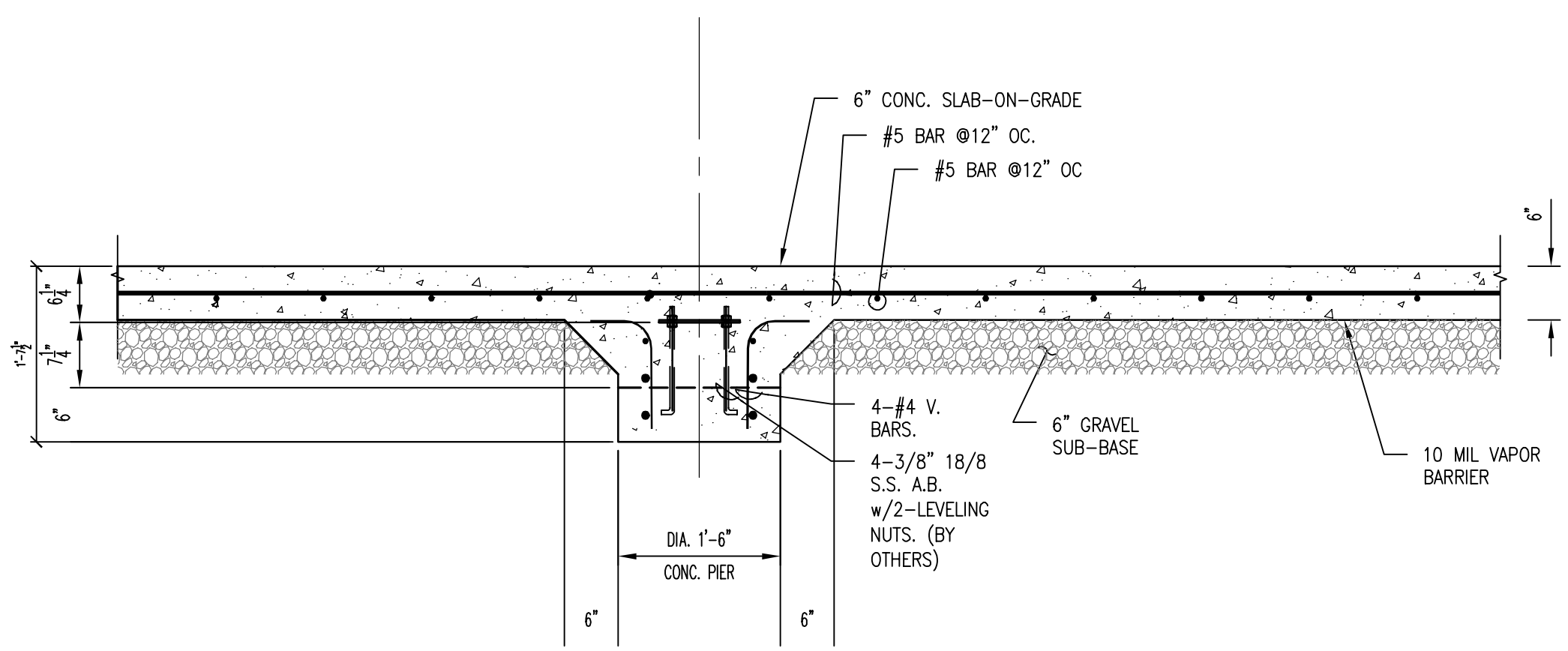
SEE W347:
 • DEW BUCKETS

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



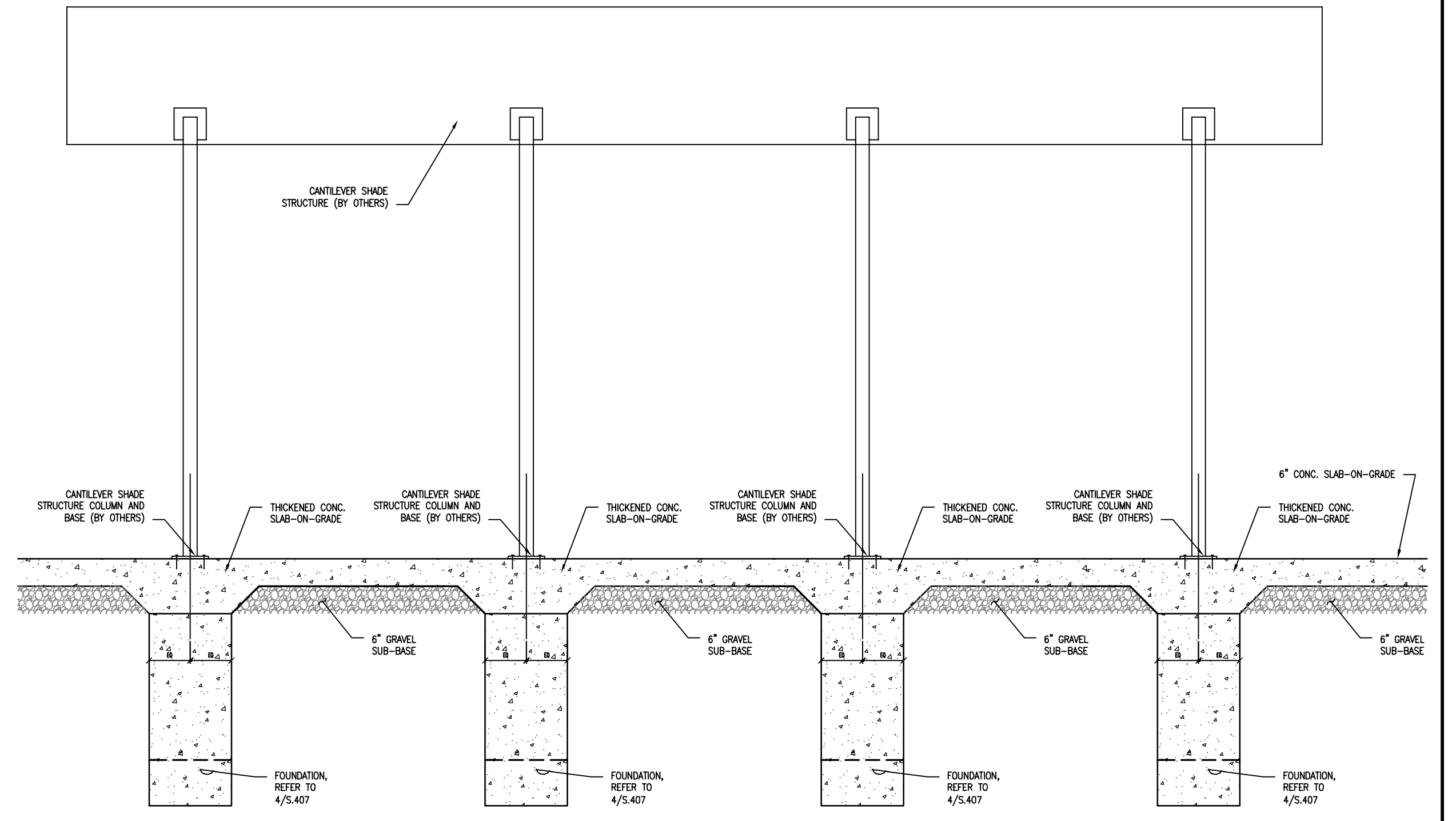
SEE CANTILEVER SHADE STRUCTURE:
 • LANDSCAPE DRAWINGS

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



SEE W004:
 • DADDY LONG LEGS

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

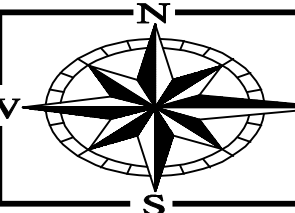


6 SECTION
 1/2" = 1'-0"

GENERAL NOTES:

- SEE MANUFACTURER'S REQUIREMENTS (DRAWINGS S.401 THRU S.405) FOR EQUIPMENT INSTALLATION.
- SEE MANUFACTURER'S REQUIREMENTS (DRAWINGS S.401 THRU S.405) FOR PIPING CONNECTIONS
- FOR TOP OF CONCRETE SLAB ON GRADE ELEVATION, SEE DRAWING S.103.

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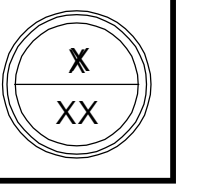
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 5256 DILLON HILLS DRIVE
 NASHPORT, OHIO 43830

DESIGNED BY: KY
 DRAWN BY: CB
 CHECKED BY:
 APPROVED BY: HM

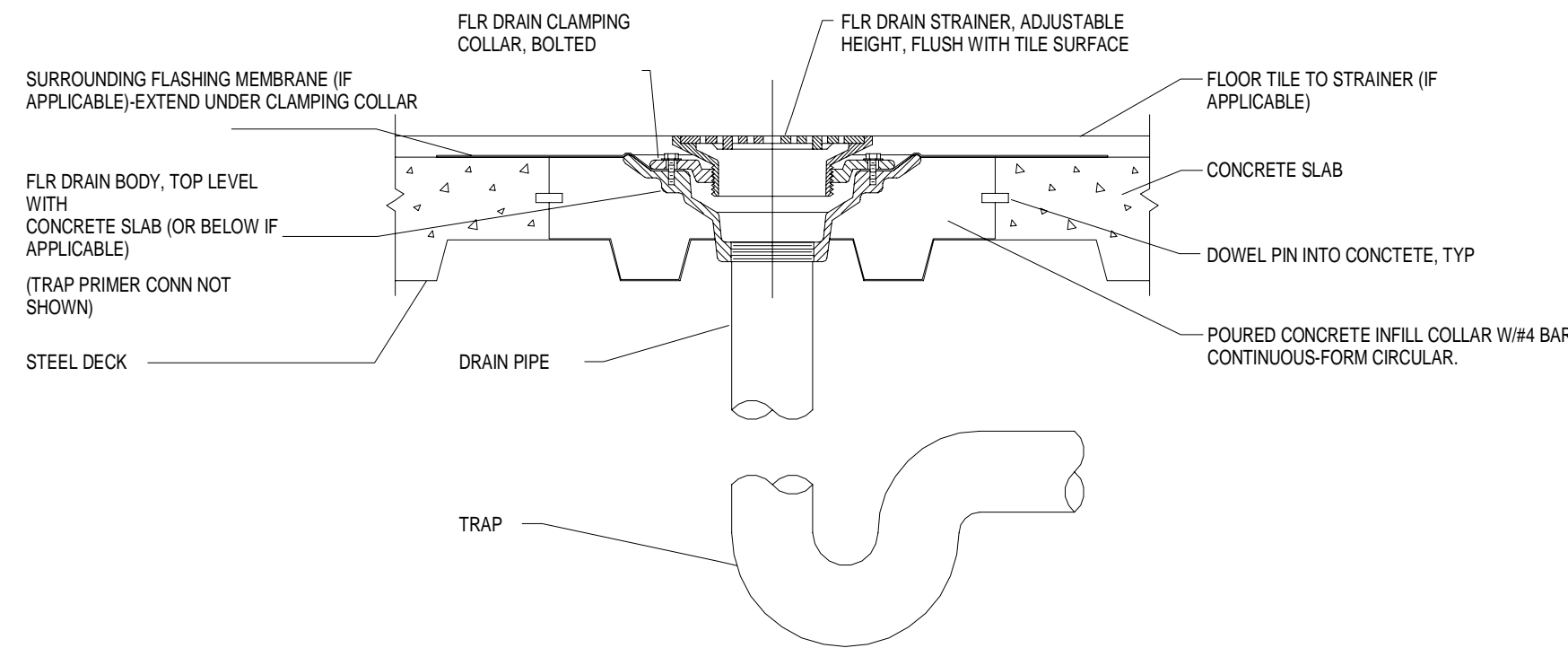
JOB NUMBER: DNR-250011
 SCALE: AS NOTED
 DATE: 11.14.2025
 REVISED:

FOUNDATION DETAILS

S.407

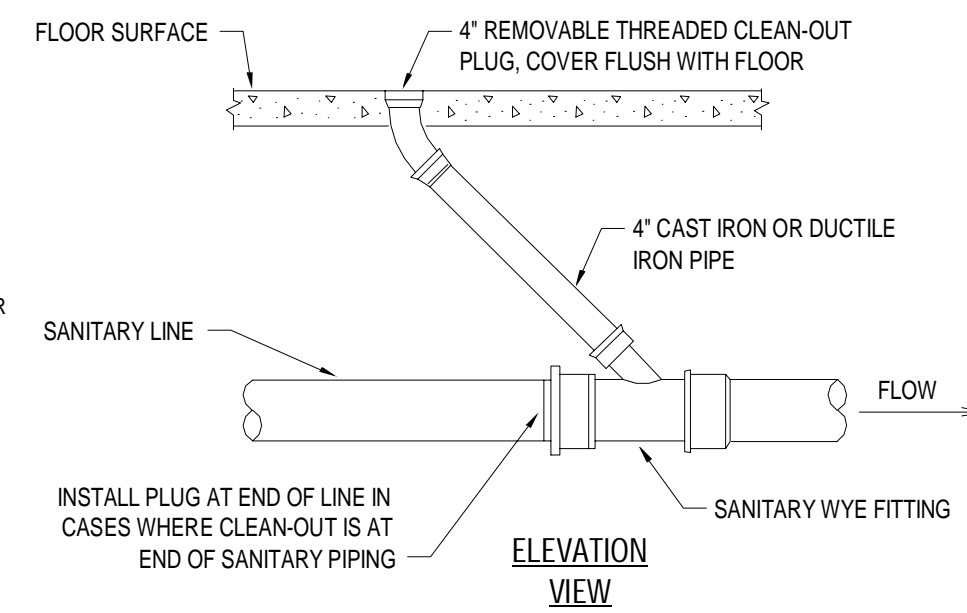


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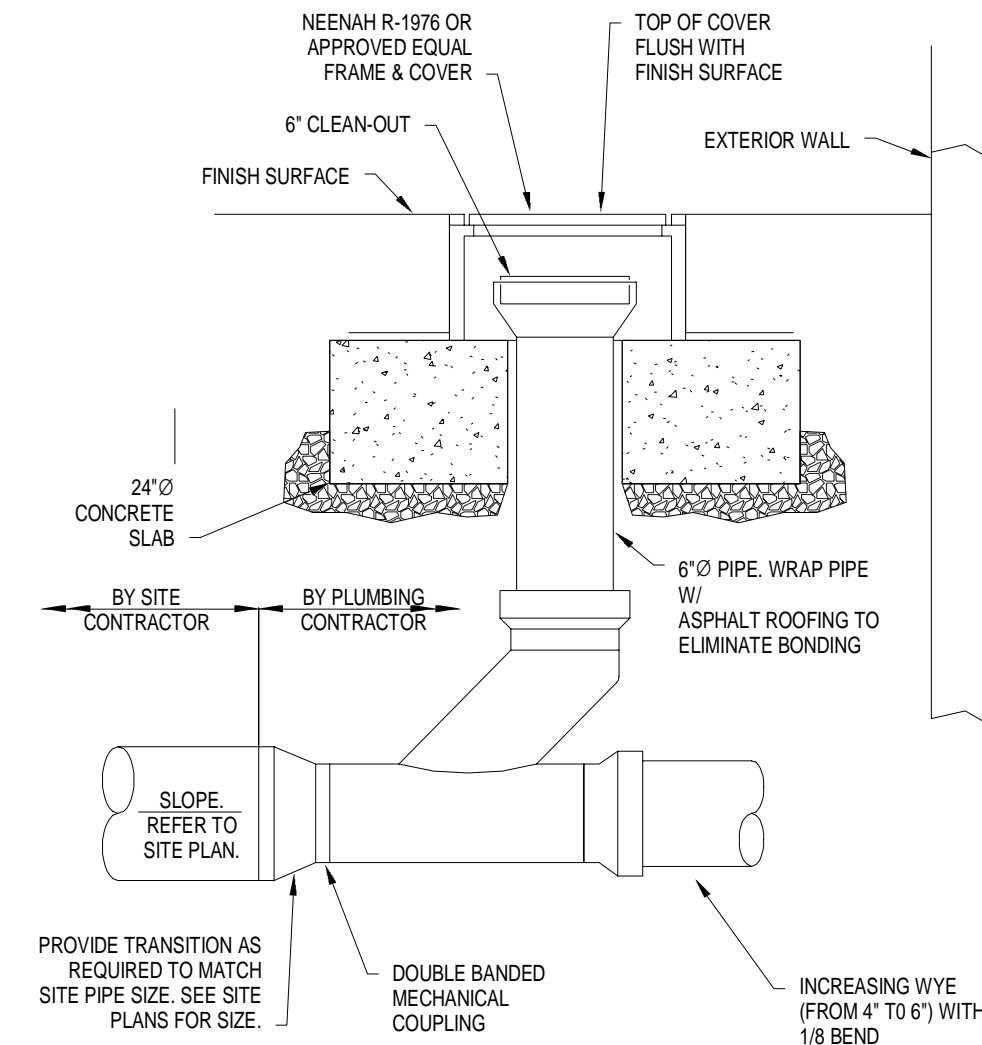


A FLOOR DRAIN INSTALLATION DETAIL
N.T.S.

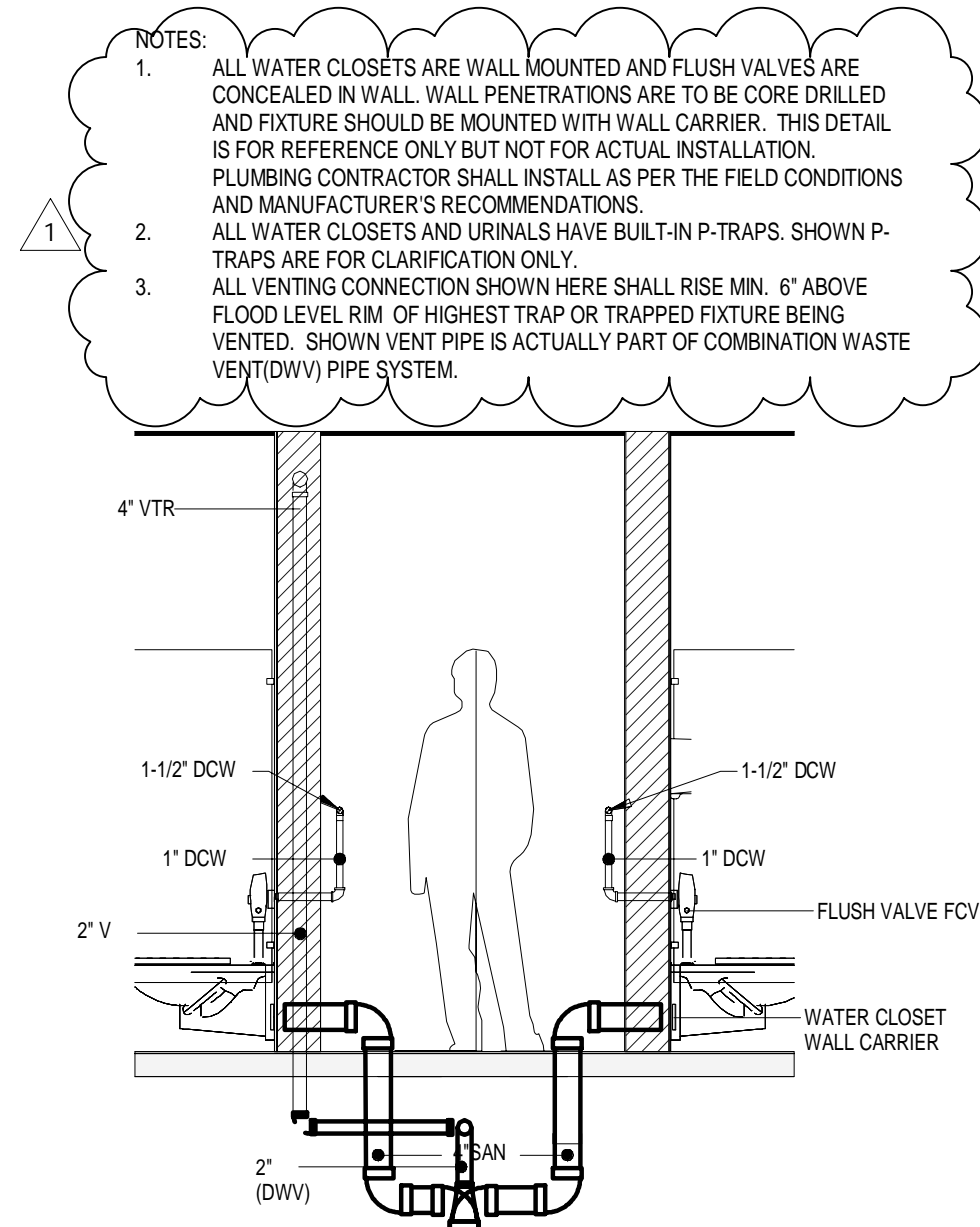
NOTE: ALL FLOOR PENETRATIONS ARE TO BE CORE DRILLED. PENETRATIONS IN NON-WATERPROOF AREAS TO BE SEALED WITH HYDRAULIC CEMENT.



B INTERIOR CLEANOUT DETAIL
N.T.S. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

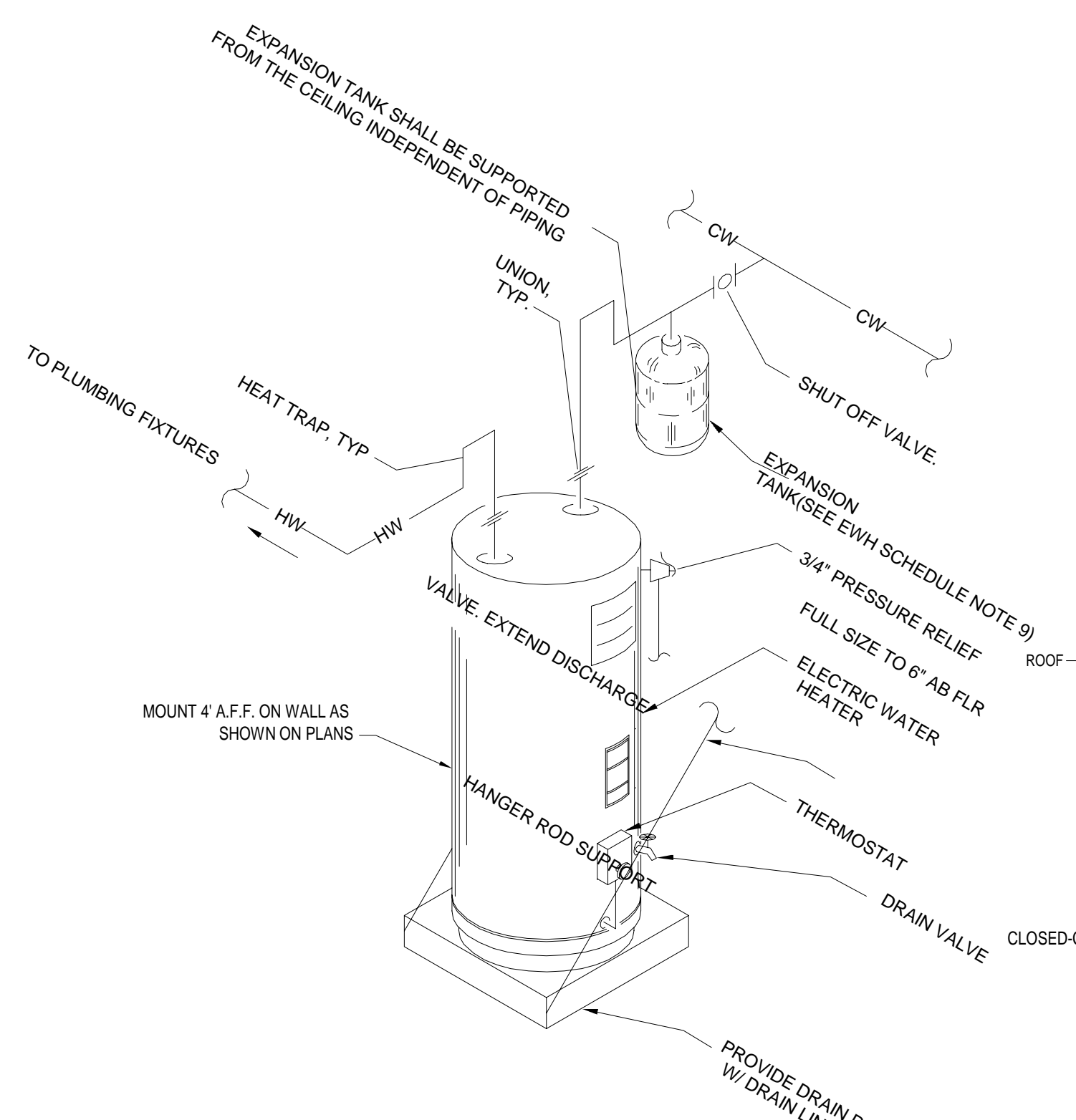


C EXTERIOR CLEANOUT DETAIL
N.T.S.

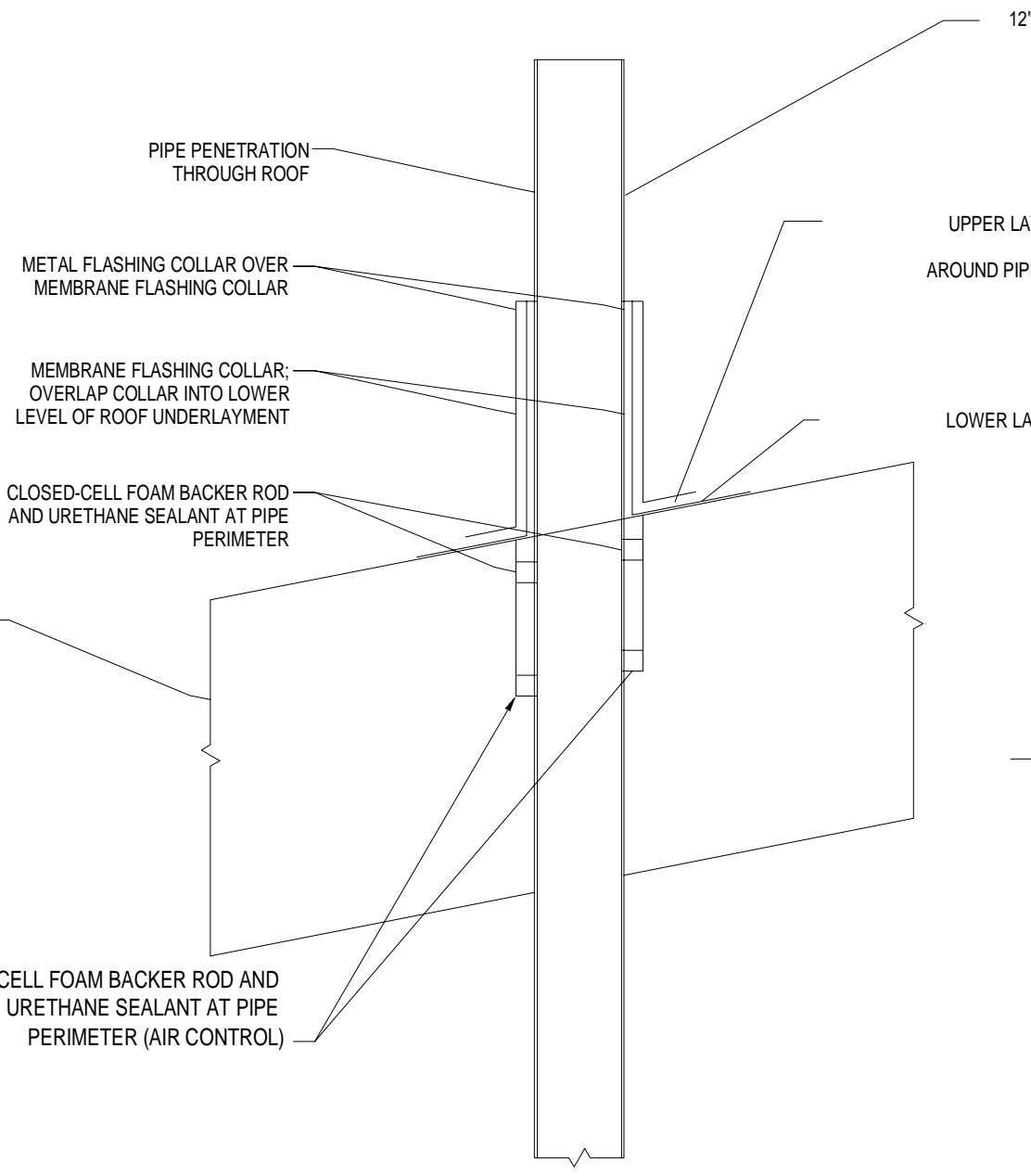


D (TYP.) PLUMBING CHASE DETAIL FOR INSTALLATION OF WATER CLOSET
N.T.S.

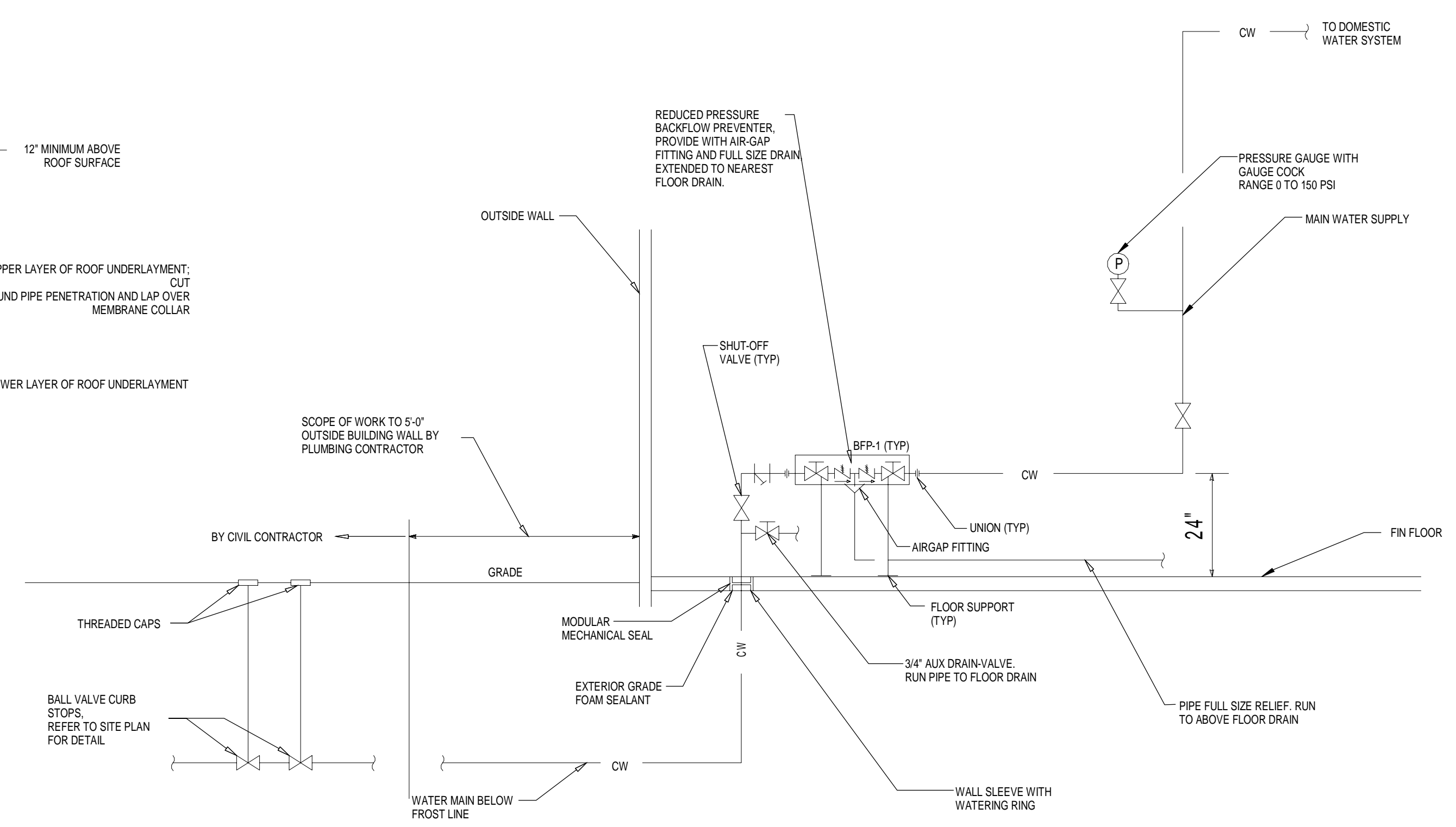
NOTES:
1. ALL WATER CLOSETS ARE WALL MOUNTED AND FLUSH VALVES ARE CONCEALED IN WALL. WALL PENETRATIONS ARE TO BE CORE DRILLED AND FIXTURE SHOULD BE MOUNTED WITH WALL CARRIER. THIS DETAIL IS FOR REFERENCE ONLY BUT NOT FOR ACTUAL INSTALLATION. PLUMBING CONTRACTOR SHALL INSTALL AS PER THE FIELD CONDITIONS AND MANUFACTURER'S RECOMMENDATIONS.
2. ALL WATER CLOSETS AND URINALS HAVE BUILT-IN P-TRAPS. SHOWN P-TRAPS ARE FOR CLARIFICATION ONLY.
3. ALL VENTING CONNECTION SHOWN HERE SHALL RISE MIN. 6\"/>



E ELECTRIC WATER HEATER INSTALLATION DETAIL
N.T.S.



F VENT THROUGH ROOF DETAIL
N.T.S. (ELEVATION VIEW)



G DOMESTIC WATER SERVICE ENTRANCE DETAIL (TYPICAL)
N.T.S. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

STAR # 24022



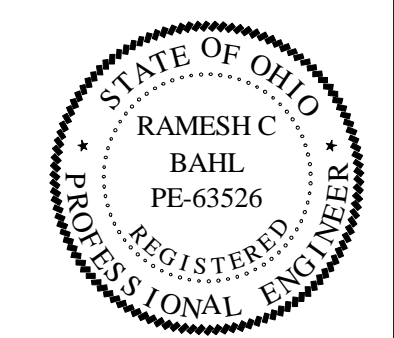
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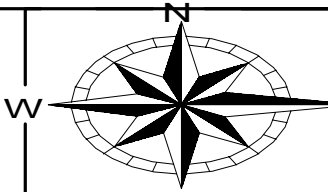
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52566 DILLON HILLS DRIVE
NASHPORT, OHIO 43830

DESIGNED BY:	HY/RB	JOB NUMBER:	DNR-250011
DRAWN BY:	HY	SCALE:	
CHECKED BY:	RB	DATE:	11/14/25
APPROVED BY:	RB	REVISION OR ISSUE:	12/08/2025

PLUMBING DETAILS

PLUMBING FIXTURE SCHEDULE									
LABEL	DESCRIPTION	CW	HW	DRAIN	VENT	MANUFACTURER	COLOR	MODEL NO.	REMARKS
WC-1	WALL MOUNTED, ELONGATED BOWL SIPHON JET ACTION, 1.1 TO 1.6 GPF, VITREOUS CHINA, FLUSH VALVE: ZURN MODEL ZEMS6140AV-HYMOB. 24 VAC SENSOR ACTIVATED W/ HARDWIRED KIT HW6. SEAT: AMERICAN STANDARD 5905.100.	1-1/2"	-	3-3/8" (AND 2-1/8" TRAPWAY)	2"	AMERICAN STANDARD	WHITE	AFWALL MILLENNIUM 3351.716	FURNISH AND INSTALL NEW WATER CLOSETS AS MARKED ON PLUMBING PLANS IN RESTROOMS. MOUNT SO TOP OF THE SEAT IS 15" ABOVE FINISH FLOOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED FLOOR MOUNTED, BACK OUTLET BOWL CARRIER INCLUDING COMPRESSION SEAL.
AWC-1	ADA COMPLIANT, WALL MOUNTED, ELONGATED BOWL, SIPHON JET ACTION, 1.1 TO 1.6 GPF, VITREOUS CHINA, FLUSH VALVE: ZURN MODEL ZEMS6140AV-HYMOB. 24 VAC SENSOR ACTIVATED W/ HARDWIRED KIT HW6. SEAT: AMERICAN STANDARD 5905.100.	1-1/2"	-	3-3/8" (AND 2-1/8" TRAPWAY)	2"	AMERICAN STANDARD	WHITE	AFWALL MILLENNIUM 3351.716	FURNISH AND INSTALL NEW WATER CLOSETS AS MARKED ON PLUMBING PLANS IN RESTROOMS. MOUNT SO TOP OF THE SEAT IS 17" ABOVE FINISH FLOOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED FLOOR MOUNTED, BACK OUTLET BOWL CARRIER INCLUDING COMPRESSION SEAL. ALL ADA FIXTURES MUST CONFORM TO ANSI A117.1, & OHIO ADMINISTRATOR CODE (OAC) 4401:8-4401.
UR-1	WALL MOUNTED URINAL, VITREOUS CHINA, 0.125 TO 1.0 GPF, BACK SPUD. WITH MOUNTING HARDWARE, SENSOR ACTIVATED FLUSH VALVE W/ HARDWIRED KIT HW6, ZURN #ZEMS6195AV-HYMOB	3/4"	-	2" N.P.T. OPENING, MATCH W/ MFR.	1-1/2"	AMERICAN STANDARD	WHITE	MODEL 6515.001	FURNISH AND INSTALL NEW ADA COMPLIANT URINAL AS MARKED ON PLUMBING PLANS IN MEN'S RESTROOM. CONTRACTOR SHALL PROVIDE ALL REQUIRED CONNECTION FITTINGS AND WALL SUPPORT AND SUITABLE REINFORCEMENT. MOUNT SO TOP OF RIM IS 15-1/4" ABOVE FINISH FLOOR, (ADA HEIGHT). ALL ADA FIXTURES MUST CONFORM TO ANSI A117.1, & OHIO ADMINISTRATOR CODE (OAC) 4401:8-4401.
LAV-1	WALL MOUNTED, ADA AND TDS COMPLIANT, VITREOUS CHINA, SINGLE BOWL, 20" LONG x 18" WIDE, CENTER HOLE FAUCET MOUNTING.	-	-	1-1/4"	1-1/4"	AMERICAN STANDARD	WHITE	DECORUM MODEL 9024.001 EC	THERMOSTATIC MIXING VALVE, GRID DRAIN, P-TRAP, SUPPLY STOP, COMPLETE KIT FOR INSTALLATION. MOUNT AT ADA HEIGHT.
	FAUCET, SINGLE HANDLE AND SINGLE SPOUT, .5 GPM, SENSOR ACTIVATED, IN-LINE FILTER, HARD WIRED KIT HW6.	1/2"	1/2"	-	-	ZURN	POLISHED CHROME	Z6913-XL	ADA COMPLIANT SINGLE HOLE FAUCET, SINGLE BUTTON AND .5GPM FLOW AT OUTLET. CONTRACTOR TO PROVIDE ALL REQUIRED CONNECTION FITTINGS AND VALVES FOR INSTALLATION.
MS-1	SQUARE, MOLDED STONE MOP SERVICE BASIN, 24"x24"x10".	-	-	3"	2"	FIAT	-	MSB2424	FURNISH AND INSTALL NEW MOP SINK. INCLUDE HANGER AND VINYL BUMPER GUARDS ON EXPOSED EDGES. CONTRACTOR SHALL PROVIDE ALL REQUIRED CONNECTION FITTINGS AND VALVES FOR INSTALLATION.
	FAUCET, WALL MOUNTED, 3 GPM, TWO METAL LEVER HANDLES, 8" O.C.	1/2"	1/2"	-	-	CHICAGO FAUCET	-	MODEL 897	ROUGH CHROME PLATED, W/ PAIL HOOK W/ TOP BRACE, SPOUT W/ THREADED HOSE END, ADA COMPLIANT, VACUUM BREAKER, STOPS.
HYD-1	ENCASED ECOLOTROL ANTI-SIPHON AUTOMATIC DRAINING WALL HYDRANT FOR FLUSH INSTALLATION. COMPLETE WITH NON-FREEZE TYPE INTEGRAL BACKFLOW PREVENTER, WITH BRONZE CASING, ALL BRONZE INTERIOR PARTS. NON-TURNING OPERATING ROD WITH FREE-FLOATING COMPRESSION CLOSURE VALVE AND COMBINATION 3/4" FEMALE STRAIGHT IP INLET, NICKEL BRONZE BOX AND HINGED COVER WITH OPERATING KEY LOCK AND "WATER" CAST ON COVER.	3/4"	-	-	-	ZURN	POLISHED BRONZE	Z1305	FURNISH AND INSTALL NEW WALL HYDRANTS. CONTRACTOR SHALL PROVIDE ALL REQUIRED CONNECTION FITTINGS AND VALVES FOR INSTALLATION.
HB-1	EXPOSED, ANTI-SIPHON, ROUGH BRONZE EXTERIOR, BRONZE INTERIOR COMPONENTS, 3/4" MALE HOSE CONNECTION.	1/2"	-	-	-	ZURN	BRONZE	Z1341-C12	FURNISH AND COMPLETE INSTALLATION WITH Z975XL-2 BFP-1 EXTERNAL BACKFLOW PREVENTER.

NOTES:

- BESIDES BASIS OF DESIGN LISTED FOR WATER CLOSETS AND LAVATORIES, THE OTHER MANUFACTURERS ARE AMERICAN STANDARD, ZURN AND KOHLER.
- REFER TO SPECIFICATIONS FOR MANUFACTURERS NOT LISTED AS BASIS OF DESIGN.

THERMOSTATIC MIXING VALVE SCHEDULE									
LABEL	DESCRIPTION	CW	HW	DRAIN	VENT	MANUFACTURER	COLOR	MODEL NO.	REMARKS
TMV-1	THERMOSTATIC MIXING VALVE	3/4"	3/4"	-	-	LEONARD	BRONZE	370-LF	FURNISH AND INSTALL THERMOSTATIC MIXING VALVE AT ALL LAVATORIES AND MOP SINK. 0.5 GPM MIN FLOW RATE AND 125 PSI MAX WORKING PRESSURE. CONTRACTOR TO PROVIDE ALL REQUIRED CONNECTION FITTINGS AND VALVES FOR INSTALLATION.

NOTES - THERMOSTATIC MIXING VALVE:

- BESIDES BASIS OF DESIGN LISTED ABOVE, THE OTHER MANUFACTURER'S ARE WATTS AND ZURN.

BACKFLOW PREVENTER SCHEDULE									
SYMBOL	MANUFACTURER	MODEL	NPT CONNECTION SIZE	DRAIN OUTLET SIZE	SUPPLY PRESSURE	WATER TEMPERATURE (°F)	LENGTH	STRAINER DIMENSIONS	DESCRIPTION
BFP-1	ZURN	975XL-2	2"	2"	175 PSI	33-180	10-15/16"	4-7/8" X 4"	BRONZE BODY CONSTRUCTION WITH FLOOD SENSOR, BRONZE BALL VALVE SHUTOFFS, SINGLE ACCESS COVER AND MODULAR CHECK CONSTRUCTION, CAPTURE SPRINGS, INTERNAL RELIEF VALVE, REPLACEABLE SEATS, BALL VALVE TEST COCKS, STAINLESS STEEL COVER BOLTS, ELBOW FITTINGS, BRONZE STRAINER. CONTRACTOR TO PROVIDE TESTING KIT.

NOTES - BACKFLOW PREVENTER:

- BESIDES BASIS OF DESIGN LISTED ABOVE, THE OTHER MANUFACTURER'S ARE WATTS AND CALEFFI.

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	CAST IRON	POLISHED NICKEL BRONZE STRAINER	4" NO HUB	FLANGE & CLAMP	ZURN ZN-415N-4NH-AR-G-VP	EPOXY COATED GALVANIZED CAST IRON BODY WITH TRAP SEAL CONNECTION AND VANDAL PROOF SECURED TOP ON 7" DIAM. STRAINER
FD-1	REFER TO PLANS FOR EXACT LOCATION(S)	FLOOR DRAIN	CAST IRON	POLISHED NICKEL BRONZE STRAINER	2" NO HUB	FLANGE & CLAMP	ZURN ZN-415N-4NH-AR-G-VP	EPOXY COATED GALVANIZED CAST IRON BODY WITH TRAP SEAL CONNECTION AND VANDAL PROOF SECURED TOP ON 7" DIAM. STRAINER
FCO-1	REFER TO PLANS FOR EXACT LOCATION(S)	FLOOR CLEAN OUT	CAST IRON	POLISHED NICKEL DURA-COATED	4" NO HUB	FLANGE & CLAMP	ZURN ZN-1400-4NH-AR-G-VP	EPOXY COATED GALVANIZED CAST IRON BODY AND VANDAL RESISTANT
FCO-2	REFER TO PLANS FOR EXACT LOCATION(S)	FLOOR CLEAN OUT	CAST IRON	POLISHED NICKEL DURA-COATED	2" NO HUB	FLANGE & CLAMP	ZURN ZN-1400-4NH-AR-G-VP	EPOXY COATED GALVANIZED CAST IRON BODY AND VANDAL RESISTANT
CCO-1	REFER TO PLANS FOR EXACT LOCATION(S)	GRADE CLEAN OUT	PVC OR ABS BODY	ADJUSTABLE NICKEL COVER	4" NO HUB	-	ZURN CO-2450-PV4	VANDAL RESISTANT

DRINKING FOUNTAIN SCHEDULE						
TAG	MANUFACTURER	MODEL	COLOR	DESCRIPTION	ELECTRICAL	NOTES
DF-1	ELKAY	LVRCTLDDMWSK	STAINLESS STEEL	BI-LEVEL ADA DRINKING FOUNTAIN, STAINLESS STEEL FINISH, MECHANICAL BOTTLE FILLER BUTTON WITH MECHANICAL FRONT BUBBLER BUTTON, NON-REFRIGERATED. FURNISH AND INSTALL NEW DRINKING FOUNTAIN WITH CABINET AND BASIN, WALL MOUNTED, VANDAL RESISTANT. CONTRACTOR SHALL PROVIDE ALL REQUIRED CONNECTION FITTINGS AND VALVES FOR INSTALLATION. ORDER WITH THE RIGHT SIDE LOW AND LEFT SIDE HIGH.	N/A	SEE ALL

NOTES - DRINKING FOUNTAIN:

- BESIDES BASIS OF DESIGN LISTED ABOVE, THE OTHER MANUFACTURER'S ARE HAWS AND OASIS.
- THE WATER COOLER NEEDS TO BE DRAINED IN WINTER TO PREVENT FREEZING (WINTERIZING).

ELECTRIC HOT WATER HEATER SCHEDULE																
TAG	LOCATION	SERVICE	MAKE/MODEL	CAPACITY (GAL.)	HOT/COLD CONN. SIZES	PHASE	ELECTRICAL			POWER LOAD (KW)	TANK HEIGHT	RECOVERY @90°F RISE	TANK DIAMETER	MAXIMUM WORKING PRESSURE	WEIGHT (LBS)	NOTES
							208V	240V	480V							
EWH-1	PLUMBING CHASE	PAVILION RESTROOM	A0 SMITH/DSE-10A	10	3/4" NPT	3	16.7A	14.4A	7.2A	6	28.13"	27 GPH	18"	160 PSI	116	1-9
EWH-2	PLUMBING CHASE	RESTROOM BUILDING	A0 SMITH/DSE-10A	10	3/4" NPT	3	16.7A	14.4A	7.2A	6	28.13"	27 GPH	18"	160 PSI	116	1-9

NOTES - ELECTRIC WATER HEATER:

- PROVIDE VACUUM RELIEF IF REQUIRED BY CODE AND BESIDES BASIS OF DESIGN LISTED ABOVE, THE OTHER MANUFACTURER IS RHEEM.
- PROVIDE FLEXIBLE CONNECTORS.
- INSTALL COMBINATION TEMPERATURE & PRESSURE RELIEF VALVE IN THE TOP PORTION OF THE PRESSURE TANK.
- ELECTRICAL SHALL PROVIDE DISCONNECT SWITCHES.
- INSTALL DIELECTRIC FITTINGS IN ALL LOCATIONS WHERE PIPING OF DISSIMILAR METALS ARE TO BE JOINED.
- INSTALL THERMOMETERS ON OUTLET PIPING OF DOMESTIC WATER HEATERS.
- PROVIDE WALL MOUNTED DRIP PAN WITH DRAIN TO VISIBLE LOCATION.
- PROVIDE SHUT OFF VALVES FOR TANK REPLACEMENT.
- PROVIDE A 2 GALLON EXPANSION TANK FROM A0 SMITH. MODEL#PMC-2. SHIPPING WEIGHT 5 LBS.

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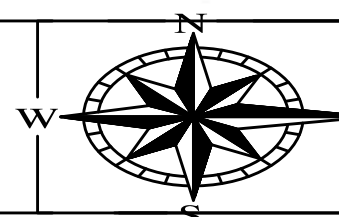
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PLUMBING EQUIPMENT SCHEDULES

P.601

