

ADDENDUM

Addendum No: 002
Date: 07/05/2023

Project: Curry County Livestock Pavilion
1900 E Brady Ave
Clovis, NM 87101

Project No: 22-0003

From: Formative Architecture
209 Gold Ave SW
Albuquerque, NM 87102

To: All Prospective Bidders and Plan Holders



This Addendum forms a part of the Contract Documents for the aforementioned project issued by Formative Architecture dated 06/09/2023 which supersedes and supplements with additions, deletions, clarifications or corrections as indicated. All other provisions of the Contract Documents shall remain unchanged. Bidders shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form; failure to do so may subject bidder to disqualification.

This addendum consists of **thirty-six (36)** 8.5 x 11 pages and **thirty-six (36)** 30" x 42" drawing sheets.

1. RFB REQUIREMENTS:

1.1. RFB DEADLINE AND ELECTRONIC SUBMISSION REMAIN UNCHANGED

1.2. Document 00 1116, INVITATION TO BID

1.2.1. Page 2, Bid Submission

Contractor shall submit a completed page 2 of specification Section 01 2200 "Unit Prices" with bid form which includes Unit Prices as included in this addendum.

1.2.2. The following DRAFT has been provided for prospective bidders' review.

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1.2.3. Page 20, Section 16, paragraph 9.

CLARIFICATION: The Construction Industries Division has approved the Construction Documents.

2. SPECIFICATIONS:

2.1. Specification Section 00 0115 – TABLE OF CONTENTS

2.1.1. Revise Form number "01 2514" to read "01 2501".

2.1.2. Revise form number "01 2515" to read "01 2502".

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2.2. Specification Section 01 2200, UNIT PRICES

2.2.1. Add Specification 01 2200, Unit Prices as included in this addendum.

NOTE: Contractor shall submit a completed page 2 of specification Section 01 2200 "Unit Prices" with bid form which includes Unit Prices as included in this addendum.

2.3. Specification Section 01 2500 – SUBSTITUTION PROCEDURES

2.3.1. Revise subparagraph 1.3 A 1 as follows:

1. Submit separate request for each substitution with Form 01 2501 – Prior Approval Substitution Request Form. Copy of form follows this Section.

2.3.2. Revise subparagraph 1.3 B 2 as follows:

2. Submit separate request for each substitution with Form 01 2502 – Contractor Substitution Request Form. Copy of form follows this Section. Provide data documenting need for substitution and substantiating compliance of proposed product with Contract Documents. Include proposed changes to contract amount and time if substitution is accepted.

2.4. Specification Section 33 0513, MANHOLES AND STRUCTURES

2.4.1. Replace Specification 33 0513, Manholes and Structures, in its entirety, as included in this addendum.

3. DRAWINGS:

CIVIL

3.1. Drawing C101 – EXISTING SITE SURVEY

3.1.1. CLARIFICATION: General notes 1 and 3 refer to "Project Limits" which are indicated on Architectural drawing sheet AS5.3 STAGING PLAN and labeled "AREA OF CONSTRUCTION" with access to be coordinated with Owner. Limits of Construction will vary dependent upon accepted bid lots and these limits will include a reasonable width for a utility corridor to Norris Street for installation of new utilities.

3.1.2. CLARIFICATION: Although some demolition is indicated on this sheet, additional demolition activities are indicated on Architectural drawing sheet AD1.1 ARCHITECTURAL SITE DEMOLITION PLAN which requires the Contractor to coordinate scope of demolition with accepted bid lots.

3.2. Drawing CS101 – CIVIL SITE PLAN

3.2.1. REVISE DRAWING: Replace sheet CS101 in its entirety, included as part of this Addendum.

3.3. Drawing CD502 – CIVIL DETAILS

3.3.1. REVISE DRAWING: Replace sheet CD502 in its entirety, included as part of this Addendum.

STRUCTURAL

3.4. Drawing S0.1 – INDEX, LEGEND AND ABBREVIATIONS

3.4.1. REVISE DRAWING: Replace sheet S0.1 in its entirety, included as part of this Addendum.

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3.5. Drawing S0.2 – OUTLINE SPECIFICATIONS

3.5.1. REVISE DRAWING: Replace sheet S0.2 in its entirety, included as part of this Addendum.

3.6. Drawing S0.3 – OUTLINE SPECIFICATIONS

3.6.1. REVISE DRAWING: Replace sheet S0.3 in its entirety, included as part of this Addendum.

3.7. Drawing S0.4 – TYPICAL DETAILS

3.7.1. REVISE DRAWING: Replace sheet S0.4 in its entirety, included as part of this Addendum.

3.8. Drawing S0.5 – SPECIAL INSPECTIONS TABLES

3.8.1. ADD DRAWING: Add sheet S0.5 (full size) included as part of this Addendum.

3.9. Drawing S0.6 – SPECIAL INSPECTIONS TABLES

3.9.1. ADD DRAWING: Add sheet S0.6 (full size) included as part of this Addendum.

3.10. Drawing S1.1 – FOUNDATION PLAN NORTHWEST

3.10.1. REVISE DRAWING: Replace sheet S1.1 in its entirety, included as part of this Addendum.

3.11. Drawing S1.2 – FOUNDATION PLAN NORTHEAST

3.11.1. REVISE DRAWING: Replace sheet S1.2 in its entirety, included as part of this Addendum.

3.12. Drawing S1.3 – FOUNDATION PLAN SOUTHWEST

3.12.1. REVISE DRAWING: Replace sheet S1.3 in its entirety, included as part of this Addendum.

3.13. Drawing S1.4 – FOUNDATION PLAN SOUTHEAST

3.13.1. REVISE DRAWING: Replace sheet S1.4 in its entirety, included as part of this Addendum.

3.14. Drawing S2.1 – FRAMING PLAN ENTRY CANOPY

3.14.1. REVISE DRAWING: Replace sheet S2.1 in its entirety, included as part of this Addendum.

3.15. Drawing S3.1 – FOUNDATION DETAILS

3.15.1. REVISE DRAWING: Replace sheet S3.1 in its entirety, included as part of this Addendum.

3.16. Drawing S3.2 – FOUNDATION DETAILS

3.16.1. REVISE DRAWING: Replace sheet S3.2 in its entirety, included as part of this Addendum.

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3.17. Drawing S3.3 – FOUNDATION DETAILS

- 3.17.1. REVISE DRAWING: Replace sheet S3.3 in its entirety, included as part of this Addendum.

ARCHITECTURAL

3.18. Drawing AS1.1 – SITE PLAN INCLUDING BID LOT 2

- 3.18.1. CLARIFICATION: Within Bid Lot No. Two, Contractor to construct a new 6-inch wide by 12-inch deep header curb (detail sim to D5/AS5.2) around the perimeter of the existing Outdoor Demonstration Arena . The new rounded cornered rectangular shaped curbing measures 157-foot long and 55-foot wide with 20-foot radiused corners.

3.19. Drawing A1.1 – FLOOR PLAN

- 3.19.1. REVISE DRAWING: Hydrant, Floor Drain and Bollard have all been moved away from the column bases so as to not conflict with the column footings. Refer to clouded corrections and revised detail C5/A5.1, included as part of this Addendum.

3.20. Drawing A1.3 – SLAB EDGE COORDINATION PLAN

- 3.20.1. REVISE DRAWING: Hydrant, Floor Drain and Bollard have all been moved away from the column bases so as to not conflict with the column footings and hydrant base plates have increased in size affecting the adjacent flooring and pipe railing dimensions. Refer to clouded corrections and revised details C4/A4.1 and C5/A5.1, included as part of this Addendum.

3.21. Drawing A3.4 – WALL SECTIONS

- 3.21.1. REVISE DRAWING: Hydrant base plates have increased in size, affecting the adjacent flooring and pipe railing dimensions. Refer to clouded corrections, detail A1/A3.4, included as part of this Addendum.

3.22. Drawing A4.1 – ENLARGED PLANS

- 3.22.1. REVISE DRAWING: Added new Marine Edge Details for countertops. Refer to clouded details D2/A4.1 and D3/A4.1, included as part of this Addendum.
- 3.22.2. Hydrant base plates have increased in size, affecting the adjacent flooring and pipe railing dimensions. Refer to clouded corrections, detail C4/A4.1, included as part of this Addendum.

3.23. Drawing A5.1 – PLAN DETAILS

- 3.23.1. REVISE DRAWING: Hydrant, Floor Drain and Bollard have all been moved away from the column bases so as to not conflict with the column footings and hydrant base plates have increased in size, affecting the adjacent flooring and pipe railing dimensions. Refer to clouded corrections and revised details A5/A5.1 and C5/A5.1, included as part of this Addendum.

3.24. Drawing A5.2 – SECTION DETAILS

- 3.24.1. REVISE DRAWING: Hydrant base plates have increased in size affecting the adjacent flooring and pipe railing dimensions. Refer to clouded corrections, details B5/A5.2 and D5/A5.2, included as part of this Addendum.

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PLUMBING

3.25. Drawing PS1.1 – PLUMBING SITE PLAN

- 3.25.1. Revised Cold water sizing on plan, see plan.
- 3.25.2. Revised sheet keynotes 1 and 3, see plan.

3.26. Drawing PL1.1 – WASTE AND VENT FLOOR PLAN

- 3.26.1. Revised sheet keynote 2, 4 and added note 5.
- 3.26.2. Added drain to fire riser 115.

3.27. Drawing PP1.1 – PRESSURE PIPING FLOOR PLAN

- 3.27.1. Added keynotes 11 and 12; keynote 11 shall read “REFER TO CIVIL FOR CONTINUATION”
- 3.27.2. Revised sheet cold water piping sizes, see plan.

3.28. Drawings P-4.1 – ENLARGED PLUMBING PLANS

- 3.28.1. Added keynotes 7 and 8, see plan.
- 3.28.2. Revised cold water pipe sizing on enlargement plan.
- 3.28.3. Revised plan to show condensate piping.
- 3.28.4. Added drains to Jan 107 and Fire Riser 108.

3.29. Drawing P-5.2 – PLUMBING DETAILS

- 3.29.1. Revised detail B1 and B2.
- 3.29.2. Deleted detail D2.
- 3.29.3. Revised detail A5.

3.30. Drawing P-7.1 – PLUMBING SPECIFICATIONS

- 3.30.1. Revised plumbing schedule fixtures P10, P10A, P3, P3A, see plan.
- 3.30.2. Revised rough-in schedule, floor drain schedule.

FIRE PROTECTION

3.31. Drawing FX1.1 – FIRE PROTECTION FLOOR PLAN

- 3.31.1. Revised sheet keynotes 12 and 13 and plan to reflect wall mounted FDC and location of PIV.
- 3.31.2. Revised sheet keynote information for notes 3, 4 and 11.
- 3.31.3. Add a total of two (2) precast concrete splash blocks, each to be located exterior of the building at inspector’s test valves.

3.32. Drawing FX5.1

- 3.32.1. Removed detail A3
- 3.32.2. Revised detail A1.

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MECHANICAL

3.33. Drawing MH1.1

- 3.33.1. Add t-stats for exhaust fans as shown on revised drawing.
- 3.33.2. Add exhaust grille to serve janitor closet 107 as shown on revised drawing.
- 3.33.3. Clarify number of motorized dampers and specification reference for dampers as shown on revised drawing.

3.34. Drawing M-5.1

- 3.34.1. Clarify IECC compliance notes in detail A6 as shown on revised drawing.
- 3.34.2. Add exhaust grille to serve janitor closet 107 as shown on revised drawing.

3.35. Drawing M-7.1

- 3.35.1. Revise exhaust cfm for EF-9 as shown on revised drawing.

3.36. Drawing MI6.1

- 3.36.1. Modify Sequence of Operation for CF-1 thru CF-8 as shown on revised drawing.
- 3.36.2. Add Sequence of Operation for SS-3 and SS-4 as shown on revised drawing.
- 3.36.3. Modify Ceiling fan control diagram and control panel layout as shown on revised drawing.

ELECTRICAL

3.37. Drawing(s) EP1.1 and FA1.1

- 3.37.1. Provide fire alarm interlock with the CF units to shut off units in the event of emergency.
- 3.37.2. NICET LEVEL III or higher fire alarm designer will incorporate this fire alarm interconnect as specified with the units.

3.38. Drawing E6.1a

- 3.38.1. Revised the loads for existing Peak Demand at each existing utility transformer, UT1, UT6, and UT7.

3.39. Drawing E7.2

- 3.39.1. Revised the phase from single phase to three phase for the CF units.
- 3.39.2. Added starter information for EF-1 through EF-4
- 3.39.3. Added starter and disconnecting means information for EUH units.

4. SUBSTITUTIONS

4.1. General

Substitutions will be reviewed during the construction administration submittal process and may be approved, subject to compliance with the Contract Documents. The burden of whether the proposed material or system will meet the stipulated requirements and be accepted is borne solely by the bidder. Acceptance of a particular material or system is determined after a thorough review during the submittal review process. Products that do not meet or exceed the

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stipulated requirements will be rejected in accordance with the Construction Contract. All bidders wishing to incorporate materials or systems not outlined as the basis-of-design should carefully review the bid documents prior to offering bids. Within individual specification sections there are source and performance requirements within Part 2 that must be met in addition to other specified requirements within Part 1, including but not limited to warranty.

4.2. Metal Building Systems – Alliance

The submitted information has been reviewed and marked as approved pending a complete submission (post contract award) of all requirements per the entire technical specification Section 13 3419 "Metal Building Systems."

4.3. Metal Building Systems – SSI

The submitted information has been reviewed and marked as approved pending a complete submission (post contract award) of all requirements per the entire technical specification section 13 3419 "Metal Building Systems."

4.4. Electrical Substitutions as submitted by Edgar Flores

The proposed substitutions are neither approved nor disapproved. The Substitution Form 01 2514 "Prior Approval Substitution Request Form" was not completed as stipulated in Section 01 2500 "Substitution Procedures," paragraph 1.3.A. Substitutions will be reviewed during the construction administration submittal process and may be approved, subject to compliance with the Contract Documents.

5. RESPONSES TO QUESTIONS

- 5.1. QUESTION: On page CS101 "Civil Site Plan" the sanitary sewer main invert is 3' below finish floor at the furthest West manhole. On page PL1.1 "Waste & Vent Floor Plan" the sanitary sewer lines are between 5' 4" and 6' 0" below finish floor. The sewer main is currently designed at a .65% slope. The minimum slope allowed per City of Clovis Standard Specifications for Public Works Construction is .30% for an 8" sewer main, Section 900.4.1. Changing the sanitary sewer main slope to .30% will give the depth needed to connect the building sanitary sewer lines into the sanitary sewer main.

RESPONSE: Refer to revised drawing CS-101 "Civil Site Plan" included as part of this Addendum.

- 5.2. QUESTION: On page CS101 "Civil Site Plan" the East section of sewer pipe shows to be 621' between manholes. The maximum distance allowed per City of Clovis Standard Specifications for Public Works Construction is 500'. Section 900.4.4.2 d.

RESPONSE: Refer to revised drawing CS-101 "Civil Site Plan" included as part of this Addendum.

- 5.3. QUESTION: On page PP1.1 "Pressure Piping Floor Plan" the drawings indicate (4) domestic cold water lines underground on the North side of the public restrooms as follows. 2" for the men's restroom, 2-1/2" for the women's restroom, 1" for the wash bays and 1" for the bid lot 2 frost proof yard hydrants. On page P4.1 "Enlarged Plumbing Plans" the men's restroom shows to be 2-1/2" domestic cold water. On PS1.1 "Plumbing Site Plan" Bid Lot No. Two yard hydrants show to be 1-1/2" domestic cold water.

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RESPONSE: Refer to revised drawings PS1.1 "PLUMBING SITE PLAN," PP1.1 "PRESSURE PIPING FLOOR PLAN" and P4.1 "ENLARGED PLUMBING PLAN" included as part of this Addendum.

- 5.4. QUESTION: On page P5.2 "Plumbing Details" detail B1 shows the drain of the water hydrant connected to the floor sink tail piece. This is a code violation and will not be permitted by the AHJ.

RESPONSE: Refer to revised drawing(s) P5.2 "PLUMBING DETAILS" and P-7.1 "PLUMBING SPECIFICATIONS" included as part of this Addendum.

All other provisions of the Contract Documents shall remain unchanged. This addendum is hereby made a part of the Contract Documents to the same extent as those provisions contained in the original documents and all itemized listings thereof.

End of Addendum

CONTRACT FOR CONSTRUCTION OF THE CURRY COUNTY LIVESTOCK PAVILION

THIS CONTRACT is entered into this 25th day of July, 2023, by and between Curry County, a governmental entity whose address is 417 Gidding Street, Clovis, NM 88101, (hereafter referred to as "County" or "Owner"), and _____, a New Mexico Corporation whose address is _____. (hereinafter referred to as "Contractor") and collectively referred to herein as the "Parties".

WHEREAS, County presently owns property located at 1900 E. Brady Street in Clovis that contains the Curry County Events Center and the Curry County Fairgrounds; and,

WHEREAS, the County desires to demolish certain buildings within the Curry County Fairgrounds and construct a new multipurpose Livestock Pavilion (hereinafter referred to as the Project) that can be utilized year-round for different types of events; and,

WHEREAS, County has issued an Invitation to Bid # 2022/23-11 for the Project and Contractor has received, acknowledged and hereby acknowledges receipt of a copy of ITB #2022/23-11 and acknowledges understanding of its contents and requirements and has submitted a bid to the County for the Project; and,

WHEREAS, the bid submitted by Contractor has been reviewed by the County and has been determined to be the lowest responsive bid for the Project and the County desires to enter into a contract for the construction of the Project with Contractor.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is acknowledged herein by all parties, as evidenced by their signatures hereto, the parties do mutually agree and contract as follows:

1) SCOPE OF SERVICES

- 1.1. Contractor shall construct the Project as set forth in the County's Invitation to Bid # 2022/23-11 and the Architects Project Specifications and Drawings which are incorporated herein as though set forth in full (hereinafter referred to as "the Work").
- 1.2. County has contracted with Formative Architects, out of Albuquerque, New Mexico, as the County's architect on this Project. Any reference to architect in any Contract Documents, plans, or specifications, refers to Formative Architects.
- 1.3. Throughout the Project, Contractor shall communicate with County through the Architect and the County Public Services Director regarding matters arising out of or relating to this contract. The Architect has authority on behalf of County to reject Work that does not conform to the contract documents. Whenever the Architect considers it necessary or advisable, the Architect will have the authority to require inspection or testing of the Work, whether or not such work is fabricated, installed or completed. Architect shall review and approve or take other appropriate action upon Contractor's submittals such as Shop Drawings, Product Data, and Samples, but only for the limited purpose of checking for conformance with information given. Such review is not conducted for the purpose of determining the accuracy and

completeness or other details such as dimensions and quantities, or for instructions regarding installation or performance of equipment or systems, all of which remain the sole responsibility of the Contractor. The Architect's review shall not constitute approval of safety precautions unless otherwise specifically stated by the Architect and acknowledged by County in writing.

- 1.4. Contractor has satisfied itself as to the nature and location of the Work, the character of equipment and facilities needed before and during prosecution of the Work, the general and local conditions, and other matter which can reasonably be expected to affect the Work under this Contract. County shall provide, no later than the date when needed by Contractor, the site upon which the Work is to be performed, including access as designated in the Contract Documents for use by Contractor.
- 1.5. Any and all notice, as may be required under this Contract or in any Contract Document to be given to the County, must be in writing and submitted to the County Manager, Lance Pyle lpyle@currycounty.org at 417 Gidding Street, Suite 100, Clovis, New Mexico 88101.
- 1.6. Contractor has designated the following key staff personnel that will be working on the Project:

Project Executive:

Email:

Phone:

Senior Project Manager:

Email:

Phone:

Project Manager:

Email:

Phone:

Safety Director:

Email:

Phone:

Senior Superintendent:

Email:

Phone:

Project Superintendent:

Email:

Phone:

These key staff members shall remain assigned to these positions for the duration of the Project until and unless County has been notified in writing of their removal or substitution. Notification shall be provided to County of any key personnel changes as soon as possible. If requested,

County shall be provided with reason or justification of any change in Contractor's key staff personnel.

- 1.7. The parties acknowledge that while the Contract Documents address change orders, the Board of County Commissioners of Curry County, which is the duly elected governing body of Curry County, requires that any single change order of \$75,000 or more and any and all change orders that increase the over-all cost of the project above five hundred thousand dollars (\$500,000) must be approved by a majority of the Board of County Commissioners at a public meeting. Any and all such change orders must be accompanied by a detailed explanation and justification regarding the same. In order for action to be taken on a change order, all material necessary for the Board of County Commissioners to review and consider must be provided to the County Manager no later than the Wednesday prior to the Board of County Commissioners meeting.

2) COMPENSATION

- 2.1. Before commencing Work, Contractor shall provide County with a detailed and accurate breakdown of the Contract price according to the various items of Work to be performed, including reasonable sums for mobilization. Such breakdown will be the basis of payment to the Contractor. The schedule for draws needs to be prepared by Contractor and provided in writing to County with specific set and established dates as well as the amounts of each draw.
- 2.2. Upon full and satisfactory completion of the Project, pursuant to the terms hereof as determined by County, County shall pay Contractor the Contract sum of _____ plus any and all gross receipts tax, subject to any approved additions and/or deductions as may be provided for and set forth in the Contract Documents.
- 2.3. **Time for Completion and Liquidated Damages.**
Timely completion of the Work is critical to the County and is a material and essential term of this Contract. Contractor and County stipulate and agree that calculating County's actual damages for the late completion of the Project and /or any violation or breach of the terms and/or conditions of this Contract would be impractical, unduly burdensome, and would cause unnecessary delay. As such, the parties acknowledge that liquidated damages will be available to County in the event of a breach of the terms of this Contract. As a Contract term and not as a penalty, the amount of daily liquidated damages of five hundred dollars (\$500.00) per day will be imposed against Contractor and deducted from the Contract price, as hereinabove set forth, for each and every day after the agreed to and established completion date set forth herein at paragraph 3.2 and up to and including the date of County's acceptance of the completed Project. Liquidated damages set forth as a condition of this Contract to cover any and all losses, expenses, and other adverse consequences incurred by County as a result of Contractor's failure to complete Project within the time set forth in this Contract and not as a penalty.

3) TERM AND SCHEDULE

- 3.1. This Contract shall become effective when approved in writing by the Curry County Board of County Commissioners in a public meeting, and the terms and conditions agreed to by the parties as set forth herein shall be binding upon and continue until terminated by either party, as set forth herein.
- 3.2. Contractor shall commence Work on the Project within ten (10) days after receipt of written notice to proceed signed by County's authorized representative. **The date for substantial completion shall be on or before June 30, 2024 and may only be extended pursuant to action taken by the Curry County Board of County Commissioners and evidenced by a written agreement signed by Contractor and County.** It is understood that the County must make decisions regarding the Project in a timely manner. The provision does not require County to call any special County Commission meeting. Contractor will not be held responsible for delays to the schedule caused by the County.
- 3.3. Substantial completion shall be determined by the date of execution of a certificate of substantial completion by County, upon recommendation and approval of Contractor and Architect. Acceptance of the completed Project shall be achieved within the timeframe set forth in this Contract and in accordance with the terms and conditions herein. Acceptance by County shall be determined by the date of execution of the certificate of acceptance
- 3.4. Within ten (10) days after County's execution of this contract, Contractor shall prepare and submit to County an estimated progress schedule indicating the starting and completion dates for the various phases of the Work and the sequence of construction cost. Thereafter and no later than the 7th of each month, Contractor shall submit written monthly updates of the schedule, with the pay application, reflecting actual progress and any changes in progress and/or the dates of completion or sequence of work.
- 3.5. County and Contractor acknowledge that timely completion of the Project is essential to the success of the Project. County's approval for any time extension shall be granted only as a last resort. Contractor acknowledges its contractual obligation to make every effort to recover any "lost" time that may occur during the construction phase services. In the event Contractor claims any delay in the project as a result of weather, all as such claims for weather delay must be submitted in writing to County by Contractor with supporting documentation no later than the fifteenth (15th) calendar day following any such delay.
- 3.6. Contractor shall diligently prosecute the Work in order to achieve substantial completion within the established time set forth above. Contractor's obligation to pay liquidated damages to County for each day of the delay resulting from any fault or neglect of the Contractor, any Sub-Contractors, or those under the control of either, is not a penalty, but is liquidated damages, since the actual damages for such delay are uncertain and it would be impractical or extremely difficult to ascertain.
- 3.7. Progress meetings will be held throughout the term of the Contract, initially starting bi-weekly and then once construction begins, there will be weekly progress meetings with the County, Public Services Director and Architect. Architect has authority to order minor changes in the Work not involving adjustments in the

Contract Amount or the Contract Time which are not inconsistent with the intent of the contract documents. Only the County Manager, or the Board of County Commissioners acting in a public meeting, can authorize any change, alteration, modification, or substitution of the terms of this contract or any Contract Documents. No change, alteration, modification, or substitution will be valid and/or effective unless the same is signed and dated by the County Manager.

- 3.8. Contractor shall notify the County immediately in writing and no later than 72 hours of any change, incident, or circumstances that might cause a delay to the progress of the Work after the occurrence or commencement of the cause for delay. Failure by Contractor to give written notice of any delay within said time shall constitute a waiver by the Contractor of any claim for extension of the Contract time resulting therefrom. Contractor's notice shall include an estimate of the effect of the cause of delay on the progress of the Work. Neither the Contract term nor the Contract price will be extended or increased for delays that solely result from Contractor's fault, negligence, neglect or approved in writing by the County's Architect as set forth above.

Contractor and County will meet to discuss any such change, incident or circumstance that will or might cause a delay to the progress of the work and document the same. Any extension of the Contract term or the Contract price as the result of any change, incident or circumstances that might cause a delay in the progress of the work must be approved in writing by the Architect, with the approval of the County

- 3.9. County and Contractor will make reasonable efforts to timely document and resolve any claim and/or dispute as expeditiously as possible within a reasonable time after being made aware of any claim or dispute. Contractor shall within 72 hours provide County's Manager with a written statement setting forth in detail the claim or dispute and an estimate of the effect said claim or dispute will have on the Contract price, and/or the Contract term. Contractor shall be solely responsible for providing County with all of the documentation and evidence necessary to reach a written agreement. Contractor shall notify County and provide County with any and all materials, documents, reports and other matters necessary for County to determine whether or not any changes to the Contract price and/or Contract term will be agreed upon. County and Contractor shall mutually work in good faith to reach a written agreement on any changes to the Contract price and/or the contract term as a result of any such claims and/or disputes.

- 3.10. If County agrees on any portion of a claim or dispute, but not on the full amount of the claim, the parties will proceed with adjusting the Contract and the Contract price accordingly. If Contractor and Owner are unable to resolve any dispute or claim, or portions of any dispute or claim, parties shall work toward trying to resolve the same. Contractor agrees to continue performance of the Work during the time that any claim or dispute is pending, so long as the Work requested is in reasonably foreseeable addition to the Work originally contemplated in the Contract Documents.

- 3.11. **Suspension of Work.** County may, at any time, by providing written notice to Contractor, suspend further performance of all or any portion of the Work under this Contract by Contractor. The notice shall specify the date and the estimated

duration of the suspension. Upon receiving any such notice, Contractor shall promptly suspend further performance of the Work to the extent specified in the notice, and during the period of such suspension shall properly care for and protect all Work and progress and materials, supplies, and equipment that the Contractor has on hand for performance of the Work. County may, at any time, withdraw the suspension of performance of the Work as to all or part of the suspended Work by written notice to the Contractor specifying the effective date and scope of withdrawal. Upon said written notice of withdrawal, Contractor shall resume diligent performance of the Work for which the suspension is withdrawn within fifteen (15) working days.

4) GENERAL RESPONSIBILITIES

- 4.1. Contractor shall prepare, update and at all times maintain a project management software program for the Project. This information will be uploaded to Contractor's "ftp" site for access by the County, County's designated Agents, representatives and/or Board of County Commissioners of Curry County and shall be based upon and reference the project management software program and schedules set forth therein. Utilizing project management software, Contractor shall prepare daily reports of ongoing activities and the status of all subcontractors, supplies and vendors. Reports shall also include a schedule of material deliveries. These reports will be uploaded to Contractor's ftp site for access by the County on a daily basis. Contractor shall be solely responsible providing and uploading said reports.
- 4.2. Contractor shall consult with Architect regarding site logistics and any changes, additions or modifications to the plan for construction access; material staging and loading; pedestrian access and safety; and compliance with relevant traffic ordinances during the construction phase.
- 4.3. Contractor shall have one of its identified Project Superintendents relocated to Clovis, New Mexico for the purpose of having a Project Superintendent available 24 hours a day to address any issue or problem that may arise or occur at the property or on the Project until the Project has been completed and County has signed a Certificate of Acceptance.
- 4.4. Contractor shall be solely responsible for monitoring the job site construction progress on a daily basis to ensure that all safety policies established by Contractor and all state and federal laws on construction projects are properly adhered to at all times, and that the Project site is clean and properly maintained and secured at all times. The Project site is an operating facility/site. Contractor and all Subcontractors shall maintain accurate and updated inventory control measures to ensure that no tools, equipment, supplies and anything else are left on site after the activities are completed and that the grounds are cleaned and all used materials removed to the extent possible on a daily basis.
- 4.5. Contractor shall provide County and Architect reasonable access to the site. All site visits must be coordinated through Contractor's Project Manager or Superintendent. All visitors must comply with all Contractor's site, safety and security rules as well as OSHA and other state and federal laws. As a minimum, all visitors to the work site will wear appropriate personal protective gear, to include

hard soled work shoes, safety glasses and a hard hat. Other PPE (Personal Protective Equipment) may be required depending on the Work activities in progress at the time of visit. Visitors shall not interact with construction personnel other than Contractor's Superintendent and Project Manager unless they see a safety hazard which must be corrected immediately. Unless emergency or exigent circumstances are present, any safety hazard should first be reported to Contractor's representatives.

- 4.6. Throughout the Project, Contractor shall provide any/all recommendations to the Public Services Director on construction feasibility; actions designed to minimize adverse effects of labor or material shortages, installation and construction completion; and factors related to construction costs, including estimates of alternative designs or materials, preliminary budgets and possible savings.
- 4.7. Contractor shall hold and conduct periodic meetings with and submit monthly written reports to County and Architect. Each report shall include, but not be limited to those Project updates including: actual costs and progress for each reporting period; explanation of significant variations if any; any safety related incidents; Work completed; work in progress; changes in the Work or scope of Work; and any other information determined to be appropriate by County. Contractor shall also report on the schedule of material deliveries and give notice of any potential delay in obtaining the materials that might affect the term of the contract. All said reports shall be on Contractor's management software program and emailed to the County Manager at lpyle@currycounty.org.
- 4.8. Contractor shall ensure that any and all subcontractors, suppliers and other persons/entities involved in the Project comply with all laws, rules and regulations in effect, including, but not limited to the New Mexico Workman's Compensation laws. Contractor shall obtain or at least ensure that all permits, licenses and inspections that are necessary or required for any Work on the Project are properly obtained and performed.
- 4.9. Contractor shall monitor and be responsible for ensuring that all subcontractors, laborers, suppliers, vendors and others are properly compensated and timely paid according to applicable federal and state laws and that any and all labor reports are timely filed.
- 4.10. Contractor shall approve and sign off on all requests for payment before they are submitted to Architect for payment. Contractor shall attach a copy of all of the payment requests and supporting documents to County. Architect has the authority to withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect County. If, in the Architect's opinion, the representations made regarding the Certificate of Payment are not satisfactory. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate of Payment for the amount for which Architect is able to make such representation to the County. Architect may also withhold a Certificate of Payment or, because of subsequently discovered evidence, may nullify the whole or a part of the Certificate of Payment previously issued, to such extent as may be necessary in the Architect's opinion to protect County from loss if any portion of the Work is covered contrary to Architect's request or in conformance with requirements set forth in the contract documents, if requested in writing by

Architect, shall be uncovered for Architect's examination and will be replaced and the Contractor's expense without change to the contract term. Any work rejected by the Architect or failing to conform to requirements of the contract documents, whether discovered before or after substantial completion, whether or not fabricated, installed or completed shall be promptly corrected by Contractor. Any and all costs or expenses of correcting such rejected work, including additional testing and inspections, the cost of uncovering and replacement and compensation for the Architect's services and expenses made necessary thereby shall be at the Contractor's expense. All payments made to the Contractor will be signed off by the Architect prior to being paid.

- 4.11. Contractor shall ensure that each subcontractor makes prompt payment to their laborers and subcontractors as well as their suppliers for any amount owed for Work performed on the Project within seven (7) days after payment is made by County. Should a failure by Contractor to meet this payment provision result in any additional costs, expenses or interest being incurred, such additional costs, expenses or interest shall not be added to the cost of the Work and shall not be the obligation of County.
- 4.12. Contractor is required to promptly notify and advise County regarding the possibility of any change order(s). Contractor shall advise and provide timely and detailed documentation to justify any potential change order to County on a County approved form, as well as any change orders requested by subcontractors, suppliers and/or vendors.
- 4.13. In order not to unnecessarily delay the Project, Contractor agrees to expeditiously evaluate and coordinate with Architect on establishing a revised construction budget and time line if necessary for any change orders requested prior to submission for approval by County.
- 4.14. Contractor shall continuously monitor the Project schedule and promptly recommend any adjustment to ensure completion of the Project in the most expeditious manner possible. In the course of implementing and executing the Work on the Project, Contractor will necessarily obtain knowledge of the standards that may be relevant to the Project or to the site's operation. Contractor agrees to hold all such knowledge and information confidential. The knowledge as set forth herein shall not include information that may be available to the public.
- 4.15. Within one (1) year of the date of substantial completion of Work, if any of the work is found to be not in accordance with the requirements of the contract documents, Contractor shall be responsible for correcting the same promptly after receipt of written notice from the County to do so. County shall give such notice promptly after discovery of condition. Contractor shall insure that all construction activities are performed efficiently and with the requisite expertise, skill, quality and competence to satisfy the requirements of this contract. Contractor shall at all times exercise complete and exclusive control over the means, methods, sequences, and techniques of construction.
- 4.16. Contractor shall provide County with a minimum (1) year warranty on the Project, commencing on the date of substantial completion of work and running for a period of twelve (12) months thereafter. During this twelve (12) month warranty period,

Contractor shall make monthly visits to the Property provide any and all necessary and/or recurring maintenance and repair, correct and/or replace such other areas of concern as are identified in writing by County.

- 4.17. Contractor shall regularly provide the Architect and County updates for all materials ordered or necessary for the next three phases of construction. The Contractor shall keep an inventory of all materials notating which materials are on-site or have an established date when they will be delivered.

5) CONSTRUCTION RESPONSIBILITIES

- 5.1. Upon commencement of construction, Contractor shall organize and maintain a competent, full-time staff at the Project site with clearly defined lines of authority and communication as necessary to coordinate construction activities, monitor and direct progress of the Work, and further the goals of the County and Architect. The Contractor will have a site superintendent present at the Project at all times.
- 5.2. Contractor shall supervise and direct all Work on the Project using the best skills and attention. Pursuant to the Contract Documents, Contractor shall be solely responsible for and shall have sole control over the construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work on the Project.
- 5.3. Contractor shall ensure that all construction activities are performed efficiently and with the requisite expertise, skill, quality and competence to satisfy the requirements of this contract. Contractor shall at all times exercise complete and exclusive control over the means and methods, sequences and techniques all aspects of the Work.
- 5.4. Contractor shall establish and implement a program to monitor the quality of construction to guard and protect the County against defects and deficiencies in the Work. Contractor shall reject any Work and transmit to the subcontractor or supplier a notice of non-conforming Work with a copy of such notice provided to County, when it is the opinion of Contractor that the Work and/or materials does not conform to the requirements/specifications of the Contract Documents. Contractor is not authorized as part of this requirement to change, enlarge, relax, alter or release any requirements of the Contract Documents, or to approve or accept any portion of the Work not performed in accordance with the Contract Documents.
- 5.5. Contractor shall be fully responsible for the skill of any and all workers or others employed or contracted for the Project and for providing quality of materials used for the Project is in conformance with the Contract Documents.
- 5.6. Contractor shall implement, coordinate and oversee all inspections and third- party testing operations at the Project and coordinate the receipt and proper distribution of any and all testing results.
- 5.7. Contractor shall ensure that all Work performed and materials provided come with written warranties and guarantees, and said written warranties and/or guarantees

all are transferred to, for and on behalf of County including but not limited to all subcontract Work and materials provided or furnished.

- 5.8. Contractor shall establish and implement a regular program to inspect the materials and the work that is being performed by Contractor and all sub-contractors. Contractor shall be responsible for ensuring that all work is done properly and in compliance with the plans and specifications. Any and all work and/or materials that are not in compliance with or otherwise do not comply with the contract documents and any work that is faulty or not in compliance with the contract documents shall be repaired or replaced within fourteen (14) days after discovery of the same unless additional time is granted by County, in writing. Contractor shall immediately notify Architect and the Public Services Director in writing within twenty-four (24) hours of discovery of any work or materials that are found to be faulty or not in strict compliance with the Contract and when the faulty work or materials have been corrected.
- 5.9. Contractor shall continuously maintain and deliver documents that describe any change or deviations from the original Construction Document that may have occurred during all phases of construction and, which reflect the actual "As Built" condition. As Built drawings will be monitored monthly by the Architect and will be a condition of County's approve of any pay application approval.

6) MANAGEMENT AND COMPENSATION OF SUBCONTRACTORS, SUPPLIERS AND VENDORS

- 6.1. Contractor shall review and inspect all Work on the Project performed Contractor and/or by subcontractors for accuracy, completeness and compliance with the design specifications. Contractor shall ensure that any and all testing is obtained and the results thereof are within the prescribed or accepted limits.
- 6.2. As part of the management of subcontractors, suppliers and vendors, Contractor shall develop and implement a system of cost control which is acceptable to County. Contractor shall be responsible for identifying variances between actual and estimated costs and report all variances to County.
- 6.3. Contractor shall develop and provide schedules, prepare construction estimates, perform construction review, analyze alternate designs, coordinate and communicate the activities of all of the subcontractors, suppliers and vendors.
- 6.4. Contractor shall include in its subcontractor bid documents, the following requirements:
 - A) For any contract Work in excess of \$60,000.00, the subcontractor shall be registered with the State of New Mexico Workforce Solutions Department;
 - B) All subcontractors with work estimated to be in excess of \$50,000.00 or more will be required to present prequalification statements developed by Contractor in collaboration with County, to confirm that said subcontractor is a responsible bidder or a responsible offer or with experience, resources and expertise to perform the Work. Contractor shall review contractor's qualifications and pricing with County and architect to determine the capabilities and stability of the subcontractors. If it is determined to be in the best interest of County, a bid bond will be requested from the subcontractor in question.

- C) All subcontractor bidders shall provide documentation showing that they possess experience with projects of a similar nature and scope.
 - D) Insurance coverage in an amount deemed appropriate by Contractor.
- 6.5. Contractor shall be responsible to ensure that all subcontractors comply with the terms of this Contract and file any and all paperwork, reports, and other information as may be required by the State of New Mexico, City of Clovis, or other agencies, in a timely manner.
- 6.6. Contractor acknowledges that New Mexico Wage decision CU-23-1751-B applies to all work performed on the Project.
- 6.7. Per New Mexico State Executive Order #2007-049 effective July 1, 2008, the following is mandated for all Subcontractors: If the Contractor currently has, or grows to, six (6) or more New Mexico employees, who work, or who are expected to work an average of at least twenty (20) hours per week over a six (6) month period during the term of this contract, the Contractor must agree to: A. have in place, and agree to maintain for the term of the contract, health insurance for those employees and offer the health insurance to those employees if the expected annual value and the aggregate of any and all contracts between Contractor and Curry County exceed One Million Dollars (\$1,000,000) or; B. have in place, and agree to maintain for the term of the contract, health insurance for those employees and offer the health employees to those employees no later than July 1, 2009 if the expected annual value and the aggregate of an and all contracts between Contractor and Curry County exceed Five Hundred Thousand Dollars (\$500,000) or; C. have in place, and agree to maintain for the term of the contract, health insurance for those employees and offer that health insurance to those employees no later than July 1, 2010 if the expected value and the aggregate of any and all contracts between Contractor and Curry County exceed Two Hundred Fifty Thousand Dollars (\$250,000). Bidder must agree to maintain:
- A) record of the number of employees who have accepted health insurance;
 - B) decline health insurance due to other health insurance coverage already in place; or
 - C) decline health insurance for other reasons.
- 6.8. These records are subject to review and audit by a representative of Curry County. Contractor must agree to advise all employees of the availability of the State publicly financed healthcare coverage programs by providing each employee with, as a minimum, the following website link to additional information: **<http://www.insurenwemexico.state.nm.us/>**.
- 6.9. Contractor shall obtain from each subcontractor, supplier or vendor, a written release of lien or partial release of lien with respect to each request for payment which covers and applies to the Work done, supplies or materials provided, and/or the period for which payment is being requested.
- 6.10. It shall be Contractor's responsibility, and not County or Architect's responsibility, to investigate, determine and ensure that all amounts submitted for compensation for payment are valid and reflect the actual Work done during the period for which

payment is requested, or reflects any items, materials, fixtures or supplies actually provided during the period of which payment is requested.

- 6.11. County shall not pay, and Contractor shall not submit to County for payment, any billing, invoice or claim for wages, equipment or supplies above the amount approved for said item(s), sub-contract or Work. Prior to final payment for any sub-contract, invoice or billing, Contractor shall ensure that all necessary as built, warranty letters, operations and maintenance manuals, owner training, lien waivers or releases have been obtained. Contractor shall immediately notify County of any and all liens that may be filed with regard to the Project or any Work, material or item used or implemented therein. Contractor shall also notify County, in writing, of any and all requests for payment or compensation above or in excess of any approved amount.
- 6.12. Contractor shall comply and shall use reasonable efforts to cause all subcontractors to comply with applicable laws, including, but not limited to New Mexico Workman's Compensation laws, regulations and special requirements of the Contract Documents regarding equal employment opportunity and affirmative action programs.
- 6.13. Contractor shall establish a suitable, secure and appropriate location for the safe and secure storage of subcontractor's materials and equipment at the worksite.
- 6.14. Only those materials and equipment that are actually delivered and utilized, or are securely stored at the construction site, for subsequent incorporation into the Work or, if approved in advance by County, suitably stored off the construction site in a bonded facility, shall be paid for by County.

7) CONTRACT CHANGES BY OWNER

- 7.1. Work shall be subject to change by additions, deletions, or revisions made by Owner. Owner shall notify Contractor of such change by delivery of additional and/or revised drawings, specifications, exhibits, or written order.
- 7.2. Whenever the Work is changed by addition, deletion, or revision by Owner, an equitable adjustment in the Contract price or the Contract time is appropriate. Contractor shall submit to Architect and the Owner within a reasonable time, a detailed estimate with supporting calculations and pricing together with any adjustments to the Contract price and the Contract time. Pricing and compensation for the adjustment shall be made through mutual agreement between the parties; however, to the extent that such pricing is inapplicable, the cost of the change or the amount of the adjustment shall be determined based on the cost to the Contractor, plus reasonable amounts for overhead and profit.
- 7.3. Contractor shall not perform any change in the Work or allow any change in the Contract price or the Contract term, until and unless the County Manager or the Board of County Commissioners has approved the change order in writing. Upon receipt of such written approval from Owner, Contractor shall diligently perform the change in strict accordance with this Contract and the change order. If there will be any delay to the schedule for completion of this Contract as a result of any

change order, Contractor shall immediately notify the Architect and the County Manager of the same.

8) MATERIALS, EQUIPMENT, LABOR, AND SUPERVISION

- 8.1. Contractor shall provide and promptly pay the cost, including taxes, for all materials, labor, equipment, tools, water, utilities, transportation, and all other services and facilities necessary for the execution and completion of the Project pursuant to this Contract and the construction documents. All material incorporated in the Work shall be new, and both workmanship and material should be of good quality. Contractor shall, when requested, furnish satisfactory evidence as to the kind and quality of any material.
- 8.2. Architect will regularly be visiting and inspecting the site during the course of the Work to determine in general whether the Work is being performed in a manner that is consistent with the Contract Documents. Notwithstanding any such inspections, reviews, and visits by Architect, Contractor will be held responsible for the acceptability of the finished Work and correcting and all defective Work.
- 8.3. The Contractor shall, at its own expense, keep the Work site free from accumulation of rubbish and waste materials on a regular basis. Upon completion of the Work, Contractor shall remove from the Work site all rubbish, waste materials, temporary structures, equipment, and surplus materials.
- 8.4. During the period when any work is ongoing in close proximity to areas of ingress and egress from the Project or Work site, Contractor shall give advance notice to the County Manager and further, shall provide personal protective safety equipment to all County staff, law enforcement, and inmates to protect their health crossing through that area.

9) PAYMENTS

- 9.1. Based upon Applications for Payment submitted to the Architect by Contractor and Certificates for Payment issued by the Architect, County shall make progress payments on account of the Contract Sum to the Contractor as provided below and elsewhere in the Contract Documents.
- 9.2. The period covered by each Application for Payment shall be one calendar month ending on the last day of the month.
- 9.3. Provided that an Application for Payment is received by the Architect not later than the last day of a month, County shall make payment of the amount certified to the Contractor not later than the 30th day of the month.
- 9.4. Each Application for Payment shall be verified by Contractor and based on the most recent approved schedule of values submitted by the Contractor in accordance with the Contract Documents. The schedule of values shall allocate the entire Contract Sum among the various portions of the Work. The schedule of values shall be prepared in such form, and supported by such data to substantiate its accuracy, as the Architect may require. This schedule of values shall be used as a basis for reviewing the Contractor's Applications for Payment.

- 9.5. Applications for Payment shall show the percentage of completion of each portion of the Work as of the end of the period covered by each Application for Payment and supported by data substantiating Contractors right to payment.

The amount of each progress payment shall include:

- A) That portion of the Contract Sum properly allocable to completed Work;
- B) That portion of the Contract Sum properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction, or, if approved in advance by County, suitably stored off the site at a location agreed upon in writing; and
- C) That portion of Construction Change Directives that the Architect determines, in the Architect's professional judgment, to be reasonably justified.

The amount of each progress payment shall then be reduced by:

- A) The aggregate of any amounts previously paid by County;
- B) The amount, if any, for Work that remains uncorrected and for which the Architect has previously withheld a Certificate for Payment or partial payment;
- C) Any amount for which the Contractor does not intend to pay a Subcontractor or material supplier, unless the Work has been performed by others the Contractor intends to pay;
- D) On the basis of reasonable and verifiable evidence, Architect and/or Owner may withhold from any payment such amounts as may be necessary for protection against loss caused by (a) defective Work not remedied or (b) failure of the Contractor to make payments properly to Sub-Contractors or for material or labor. When these grounds are removed or the Contractor provides surety bond or other security to protect County in the amount withheld, payment shall be made of the amount withheld; and

- 9.6. Except with the County's prior written approval, the Contractor shall not make advance payments to suppliers for materials or equipment which have not been delivered and stored at the site.

- 9.7. All Work, materials, and equipment covered by an application for payment will pass to County free and clear of all liens, claims, security interests, or encumbrances upon payment by County.

- 9.8. Final payment shall be made by County to Contractor when:

- A) This contract and the Project have been fully performed by Contractor and the Project accepted by County in accordance with this document, with the exception of Contractor's ongoing responsibility to correct nonconforming Work and to satisfy other requirements, if any, which necessarily survive final payment.
- B) A final application for payment, including an extended final release for payments of materials and services rendered, in a form acceptable to

County, and a final accounting for the cost of Work have been submitted by Contractor and reviewed and approved by County and Architect.

- C) A certificate of compliance has been issued along with the certificates of acceptance by County.
- D) Any and all requirements set forth in this contract or in other documents executed by and between the parties have been fully satisfied.
- E) Consent of Surety to Final Payment, if applicable.

9.9. Upon Final Completion, and acceptance of the Work, County shall pay Contractor all amounts remaining to be paid under the Contract, less any amounts the Owner is entitled to retain under the Contract.

10) DISPUTE RESOLUTION

10.1. Any dispute pertaining to any of the Contract Documents or specifications will be presented by Contractor to the Architect for review. The Architect, shall have full authority to negotiate any minor dispute that does not reduce or decrease the quality of the material, product, or Work to be performed and which does not increase the Contract budget or extend the Contract term. Any dispute that involves or affects the quality of materials provided, involves a question of Project standards or requirements, increases the overall Contract price of the Contract, or extends the period of the Contract must be approved in writing by the Board of County Commissioners.

11) INSURANCE

11.1. County is a New Mexico governmental entity and as such, has insurance covering the County property including the County Fairgrounds. County also has insurance in place to cover exposure County may have as a result of its operation of the Project.

11.2. Certificates of Insurance.

The Contractor shall provide certificates of insurance acceptable to County evidencing compliance at the following times: (1) prior to commencement of the Work; (2) upon renewal or replacement of each required policy of insurance; and (3) upon the Owner's written request. An additional certificate evidencing continuation of commercial liability coverage, including coverage for completed operations, shall be submitted with the final Application for Payment and thereafter upon renewal or replacement of such coverage until expiration of the period for correction of Work.

11.3. Deductibles and Self-Insured Retentions.

The Contractor shall disclose to County any deductible or self-insured retentions applicable to any insurance required to be provided by the Contractor.

11.4. Additional Insured Obligations.

To the fullest extent permitted by law, the Contractor shall cause the commercial general liability coverage to include (1) County, the Architect, and the Architect's consultants as additional insured's for claims cause in whole or in part by the Contractor's negligent acts or omissions during the Contractor's operations; and (2) County as an additional insured for claims caused in whole or in part by the

Contractor's negligent acts or omissions for which loss occurs during completed operations. The additional insured coverage shall be primary and non-contributory to any of the County 's general liability insurance policies and shall apply to both ongoing and completed operations. To the extent commercially available, the additional insured coverage shall be no less than that provided by Insurance Services Office, Inc. (ISO) forms CG 20 10 07 04, CG 20 37 07 04, and, with respect to the Architect and the Architect's consultants, CG 20 32 07 04.

11.5. **Contractor's Required Insurance Coverage.**

The Contractor shall purchase and maintain the following types and limits of insurance from an insurance company or insurance companies lawfully authorized to issue insurance in New Mexico where the Project is located. The Contractor shall maintain the required insurance until the expiration of one (1) full year after substantial completion, unless a different duration is stated below:

11.6. **Commercial General Liability**

Commercial General Liability insurance for the Project written on an occurrence form with policy limits of not less than \$2,000,000.00 each occurrence, \$10,000,000.00 general aggregate, and \$2,000,000.00 aggregate for products-completed operations hazard, providing coverage for claims including:

- A) Damages because of bodily injury, sickness or disease, including occupational sickness or disease, and death of any person;
- B) Personal injury and advertising injury;
- C) Damages because of physical damage to or destruction of tangible property, including the loss of use of such property;
- D) Bodily injury or property damage arising out of completed operations;
- E) and
- F) The Contractor's indemnity obligations under the General Conditions.

The policy must include the interests of the owner, contractor, and sub- contractors of all tiers.

11.7. The Contractor's Commercial General Liability policy under this Section shall not contain an exclusion or restriction of coverage for the following:

- A) Claims by one insured against another insured, if the exclusion or restriction is based solely on the fact that the claimant is an insured, and there would otherwise be coverage for the claim.
- B) Claims for property damage to the Contractor's Work arising out of the products-completed operations hazard where the damaged Work or the Work out of which the damage arises was performed by a Subcontractor.
- C) Claims for bodily injury other than to employees of the insured.
- D) Claims for indemnity arising out of injury to employees of the insured.
- E) Claims or loss excluded under a prior Work endorsement or other similar exclusionary language.
- F) Claims or loss due to physical damage under a prior injury endorsement or similar exclusionary language.
- G) Claims related to residential, multi-family, or other habitational projects, if the Work is to be performed on such a Livestock Pavilion Project.
- H) Claims related to roofing, if the Work involves roofing.

- I) Claims related to exterior insulation finish systems (EIFS), synthetic stucco or similar exterior coatings or surfaces, if the Work involves such coatings or surfaces.
 - J) Claims related to earth subsidence or movement where the Work involves such hazards.
 - K) Claims related to explosion, collapse and underground hazards, where the Work involves such hazards.
- 11.8. Automobile Liability covering vehicles owned, and non-owned vehicles used, by the Contractor, with policy limits of not less than \$1,000,000.00 per occurrence, for bodily injury, death of any person, and property damage arising out of the ownership, maintenance and use of those motor vehicles along with any other statutorily required automobile coverage.
- 11.9. The Contractor may achieve the required limits and coverage for Commercial General Liability and Automobile Liability through a combination of primary and excess or umbrella liability insurance, provided such primary and excess or umbrella insurance policies result in the same or greater coverage as the coverage's required herein, and in no event shall any excess or umbrella liability insurance provide narrower coverage than the primary policy. The excess policy shall not require the exhaustion of the underlying limits only through the actual payment by the underlying insurers.
- 11.10. Workers ' Compensation at statutory requirements.
- 11.11. Commercial General Liability with policy limits not less than \$2,000,000.00 each occurrence, and \$10,000,000.00 general aggregate policy limit.
- 11.12. If the Work involves the transport, dissemination, use, or release of pollutants, the Contractors shall procure Pollution Liability insurance, with policy limits of not less than \$2,000,000.00 per claim and \$2,000,000.00 general aggregate.
- 11.13. Contractor shall carry Builder's Risk Insurance in the minimum amount of the total contract price. Contractor and Owner shall be named as additional insured's and said policy(ices) shall cover the interests of any and all of Contractors, Sub-contractors and suppliers if their supplies, products or material have been delivered to the Construction Site or any of the designated holding/staging area. Said Builder's Risk Insurance shall cover the Counties existing buildings and structures to which the addition, alteration, improvement or repair covered in this contract. Said coverage shall include coverage for any collapse, scaffolding, construction forms, and other temporary structures; debris removal, pollutant clean-up and removal, demolition cost coverage and other general areas of coverage for all areas of Contractor's work on the Project and any and all materials, equipment and supplies that Contractor will use at any point in the completion of the Project as well as all of the County structures and property where said materials, equipment and supplies will be used and/or installed. Coverage on Builder's Risk Insurance shall begin prior to Contractor performing any work on the Project and shall remain in full force and effect for a period of ninety (90) days after substantial completion unless extended by mutual agreement of County and Contractor.

11.14. **Contractor's Other Insurance Coverage**

Insurance selected and described in this Section shall be purchased from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Contractor shall maintain the required insurance until the expiration of the period for correction of Work as set forth in Section 11.5.

- Umbrella - \$2,000,000.00 per occurrence
- Products/Completed Operations \$1,000,000.00 single, \$2,000,000.00 aggregate
- Personal and Advertising injury - \$1,000,000.00 per occurrence
- Bodily Injury/Property Damage insurance (including completed operations) \$1,000,000.00 per occurrence.

11.15. **Performance Bond and Payment Bond**

Contractor shall provide County with a Bid and Performance Bond in the full amount of the Contract price as set forth in Section 2.2 of this Contract. Said Bond shall be valid and remain in effect until County signs the Certificate of Acceptance on this Project.

11.16. Contractor shall have County and all of the Contractor's, suppliers and sub-contractors added as named insured on all said policies and Contractor shall provide proof of insurance to County at or upon the signing and approval of this Contract or, in under no circumstances, later than the beginning of any and all Work under and/or pursuant to the terms of this Contract. Contractor shall insure that all sub-contractors have added County as a named insured on all their insurance policies.

11.17. Contractor shall notify County of any and all changes, modifications, terminations, or cancellations, in whole or in part, of any and all said insurance required under this Contract.

11.18. Contractor shall provide performance and payment bond for all sub- contractors whose contract for work to be performed on the Project is one hundred twenty-five thousand (\$125,000.00) dollars or more, pursuant to NMSA 1978 §13-1-148.1.

12) APPROPRIATIONS.

12.1. The terms of this Agreement are contingent upon sufficient appropriations and authorization being made by the Legislature of New Mexico for the performance of this Agreement. If sufficient appropriations and authorization are not made by the Legislature, the County may immediately terminate this Agreement by giving Contractor written notice of such termination. The County's decision as to whether sufficient appropriations are available shall be accepted by the Contractor and shall be final. Contractor hereby waives any rights to assert an impairment of contract claim against the County, the Department of Finance and Administration, Local Government Division (DFA/LGD), or the State of New Mexico in the event of immediate or Early Termination of this Agreement by the County or the Department.

13) TERMINATION

- 13.1. This contract is funded in whole or in part by funds made available under DFA/LGD Grant Agreement. Should DFA/LGD early terminate the grant agreement, the County may terminate this contract by providing contractor written notice of such termination. In the event of termination pursuant to this paragraph, the County's only obligation shall be to pay Contractor for acceptable goods delivered and services rendered before the termination date
- 13.2. County right to terminate prior to notice to proceed. Prior to execution of the notice to proceed, County may terminate this contract at any time without cause.
- 13.3. County's termination for convenience after notice to proceed. After the notice to proceed is executed by both parties, this contract may be terminated by County for convenience. Contractor shall be entitled to payment for all Work completed, prorated to the date of termination, plus Contractor's prorated fee based on the actual Work completed through date of termination, but in no event in excess of the total fee established herein.
- 13.4. Termination for cause. Upon a material breach of the terms of this contract, or failure to satisfactorily comply with the material terms and conditions of this contract, either party shall give written notice to the other of their intent to terminate this contract for cause. The party shall notify the other in writing of the alleged material defect and provide written explanation of the same. Upon receipt of said notice of intent to terminate, the alleged defaulting party shall have fifteen (15) days within which to notify the non- defaulting party of their attempt to cure default. Thereafter, both parties shall meet and attempt to reach an agreement regarding cure and resolution of any and all defaults and/or alleged defaults. Any such resolution shall be in writing, acknowledged by both parties, and shall become an addendum to this contract. Neither party shall be required to agree to any resolution which violates, circumvents or otherwise alters the terms and conditions of this agreement, unless adequate compensation and/or consideration is provided for the same.
- 13.5. If no resolution of the alleged default is reached within fifteen (15) days after the defaulting party provides notice to the non-defaulting party, either party may terminate and cancel this agreement if, the non-defaulting party has not attempted to negotiate, in good faith, with the alleged defaulting party regarding a cure or resolution of the same. Upon termination, the amount, if any, to be paid to Contractor shall be a prorated amount based upon the satisfactory Work that has been accepted by County through date of termination pursuant to the terms of this contract.

14) ENTIRE AGREEMENT

- 14.1. This Contract may only be amended by written document signed by the Board of County Commissioners in a public meeting and Contractor. In the event there is any dispute or if any document incorporated into this agreement is inconsistent with the terms of this Contract, this Contract and the terms herein shall govern.

15) GROSS RECEIPTS TAX

- 15.1. Contractor will collect gross receipts tax at the City of Clovis tax rate on 100% of construction costs and invoice the County for 100% at the rate in effect at the time of the invoice.

16) RECORDS

- 16.1. Curry County is using Legislative funds to pay the construction cost and all records and documents need to be kept by Contractor for the life of the bond, which is approximately 10 years. Upon written request, Contractor shall at any time in the future, provide County with copies of any requested documents pertaining to this Contract or Contractor's performance hereunder.
- 16.2. Contractor shall maintain detailed time records which indicate the date, time and nature of any and all services rendered. These records shall be subject to inspection by the County, the New Mexico Department of Finance & Administration and the State Auditor.

17) EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE

- 17.1. Contractor agrees to abide by all federal and state laws and rules and regulations and executive orders of the Governor of the State of New Mexico pertaining to equal employment opportunity. In accordance with all such laws of the State of New Mexico, Contractor agrees to assure that no person shall, on the grounds of race, religion, color, national origin, ancestry, sex, age, physical or mental handicap, or serious medical condition, or, if Contractor has 50 or more employees, spousal affiliation, or, if Contractor has 15 or more employees, sexual orientation or gender identity, be excluded from employment with or participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity performed under this Contract. If Contractor is found not to be in compliance with these requirements during the term of this Contract, Contractor agrees to take appropriate steps to correct these deficiencies.

18) CONFLICTS

- 18.1. Contractor represents to County that the services to be provided to County pursuant to this Agreement are not in violation of or contrary to the terms and the provisions of the New Mexico Governmental Conduct Act, NMSA 1978, §§ 10-16-1 through 10-16-18. Contractor also agrees that in the performance of this contract shall comply with those terms and conditions set forth in said Governmental Conduct Act that apply or may apply to those services provided by Contractor to County pursuant to this Agreement.

19) DISCLOSURE AND OWNERSHIP OF DOCUMENTS, PRODUCTS, DESIGN, ELECTRONIC FILES

- 19.1. All technical data, electronic files, and other written and oral information not in the public domain or not previously known, and all information, electronic files, and data obtained, developed, or supplied by County will be kept confidential and Contractor will not disclose to any other party, directly or indirectly, without County's prior written consent unless required by lawful order.

- 19.2. Any and all contracts, drawings, specifications, plans and other documents prepared by County or architect, together with copies thereof furnished to Contractor, are for the sole use of Contractor with respect to this Project. All such documents are not the property of Contractor and shall not be used by Contractor, any of the subcontractors, or suppliers on any other Project without the specific prior written consent of the County and architect.
- 19.3. All technical data, electronic files, products developed, operational parameters, blueprints, and other information and Work of Contractor shall be the sole property of County and shall be delivered to County when requested and at the end of the Contract.

20) INDEPENDENT CONTRACTOR

- 20.1. Contractor is, and at all times throughout the term of this Contract, be acting as an independent contractor, and not an agent, employee or representative of County and, Contractor shall be responsible for the management of its business affairs. In the performance of the Work under this Contract, Contractor will at all times be acting and performing as an Independent Contractor, as that term is understood for federal and state law purposes, and not as an employee of County. Without limitation upon the foregoing, Contractor shall not accrue sick leave, jury duty pay, retirement, insurance, bonding, welfare benefits, or any other benefits, which may or may not be afforded employees of County. Contractor will not be treated as an employee for purposes of: Workers' Compensation benefits; the Federal Unemployment Tax Act; Social Security; other payroll taxes, federal or any state income tax withholding; or the employee benefit provisions described in the Internal Revenue Code of 1986, as amended. Neither County, nor its agents or representatives, shall have the right to control or direct the manner, details or means by which Contractor accomplishes and performs its services. Nevertheless, Contractor shall be bound to fulfill the duties and responsibilities contained in the Contract.
- 20.2. Contractor represents that it has, or will secure, at its own expense, all personnel required in performing the services under this Contract. Such personnel shall not be employees of, nor have any contractual relationship with County. Contractor, consistent with its status as an independent Contractor, further agrees that its personnel will not hold themselves out as, nor claim to be officers or employees of County by reason of this Contract.
- 20.3. To the extent that Contractor employs any employees, Contractor shall be solely responsible for providing its own form of insurance for its employees and in no event, shall Contractor's employees be covered under any policy of County.

21) NO JOINT VENTURE OR PARTNERSHIP

- 21.1. Nothing contained in this Contract shall create any partnership, association, joint venture, fiduciary or agency relationship between Contractor and County. Except as otherwise specifically set forth herein, neither Contractor nor County shall be authorized or empowered to make and representation or commitment or to perform any act which shall be binding on the other unless expressly authorized or empowered in writing.

22) CONFLICT OF INTEREST: GOVERNMENTAL CONDUCT ACT

- 22.1. Contractor warrants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required under this contract. Contractor certifies that the requirements of the Governmental Conduct Act, Section 10-16-1 through 10-16-18, NMSA 1978 regarding contracting with a public officer or state employee, or former state employee, have been followed.

23) DISCLAIMER

- 23.1. County, by entering into this contract, shall not assume or otherwise be held liable for any act or omission of Contractor or any of its agents, employees and/or representatives in their performance or fulfillment of the terms and obligations of this contract.

24) PENALTIES FOR VIOLATION UNDER LAW

- 24.1. In addition to the Governmental Conduct Act, the Procurement Code, Sections 13-1-28 through 13-1-199, NMSA 1978, imposes civil and criminal penalties for its violation, in addition, the New Mexico Criminal Statutes impose felony penalties for illegal bribes, gratuities and kickbacks.

25) ASSIGNMENT

- 25.1. Contractor shall perform all the services under this Contract and shall not assign any interest in this Contract or transfer any interest in same or assign any claims for money due or to become due under this Contract without the prior written consent of County.

26) FORCE MAJEURE

- 26.1. Neither party will be liable to the other for any delay or interruption in performance as to any obligation hereunder resulting from governmental emergency orders, judicial or governmental action, emergency regulations, fires, floods, sabotage, riots, wars, vandalism, labor strikes or disputes, acts of God, fires, electrical failure, major computer hardware or software failures, equipment delivery delays, acts of third parties, or delays or interruptions in performance beyond its reasonable control.

27) INDEMNITY AND LIMITATION

- 27.1. Contractor shall indemnify, defend, and hold harmless County from and against any and all claims, suits, actions, judgments, demands, losses, costs, expenses, damages, and liability caused solely by, resulting solely from, or arising solely out of the negligent, intentional and/or criminal acts, errors, or omissions of Contractor, its officers, employees, agents, or representatives in the performance of services under this Contract.

28) APPLICABLE LAW

28.1. Contractor, by submitting its response to the County and entering into this contract, consents and acknowledges that this contract and the rights and obligations of the parties shall be governed by and construed by the laws of the State of New Mexico applicable to agreements between New Mexico parties made and performed in that state, without regard to conflicts of law principles. Contractor also stipulates and agrees that by submitting its response and doing business in Curry County, venue for any legal proceeding shall be in Clovis, in the Ninth Judicial District Court.

29) BREACH

29.1. In the event Contractor breaches any obligation contained in this Contract, prior to instituting any action or dispute resolution procedure, County shall give Contractor written notice of such breach. In the event Contractor fails to remedy the breach within five (5) working days of receiving such written notice, County, at its sole discretion, without any obligation to do so and in addition to other remedies available under applicable law, may remedy Contractor's breach and recover any and all costs and expenses in so doing from Contractor.

30) DISPUTE RESOLUTION

30.1. In the event that a dispute arises between County and Contractor under this Contract, or as a result of breach of this Contract, the parties agree to act in good faith to attempt to resolve the dispute.

31) NOTIFICATION

31.1. All notice required or permitted under this Contract shall be in writing and shall be deemed sufficiently served if served by Registered Mail addressed as follows:

To: Curry County
Attn: Lance Pyle, County Manager
417 Gidding Street, Ste. 100
Clovis, NM 88101
lpyle@currycounty.org

To Contractor:
Attn:
ADDRESS:
PHONE:
EMAIL:

32) SCOPE OF CONTRACT

32.1. This Contract, together with all documents referenced in here and otherwise incorporated in this Contract, incorporates all of the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof and that all such covenants, agreements, and understandings have been merged into this written Contract. No prior agreement or understanding, verbal or

otherwise, of their parties or their agents shall be valid or enforceable unless embodied in this Contract.

33) COMPLIANCE

33.1. Contractor shall be responsible and accountable for ensuring compliance with 11.1.2 NMAC of its agents, subcontractors and suppliers. Per 11.1.2.9 B (3) NMAC, the Contractor or its agent shall provide the Notice of Award and subcontractors lists to the New Mexico Department of Workforce Solutions (NMDWS), Labor and Industrial Bureau promptly after award of the Project. Per 11.1.2.9 C (1) NMAC, the Contractor is required to obtain the Statement of Intent to Pay Prevailing Wages and the Affidavit of Wages Paid from the general Contractor and all subcontractors. Payments are not to be made until the intent form is filed. Per 11.1.2.9 B (6) the Contractor is required to obtain certified payroll records from the general Contractor for all subcontractors on a bi-weekly basis. The Contractor must present the documents to the NMDWS, Labor and Industrial Bureau upon request by the Director or designee.

CONTRACTOR

CURRY COUNTY BOARD OF COUNTY COMMISSIONERS

By:
Its:

By: Lance Pyle, County Manager

Date: _____

Date: _____

APPROVED FOR LEGAL SUFFICIENCY:

Daniel J. Macke, County Attorney

SECTION 01 2200 - UNIT PRICES**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
 - 1. Section 01 2600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 2. Section 01 4000 "Quality Requirements" for field testing by an independent testing agency.

1.3 DEFINITIONS

- A. Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.
- B. CIP: Complete-In-Place; includes all moisture, scarification, compaction, equipment and labor.

1.4 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the Part 3 "Schedule of Unit Prices" Article contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. Unit Price No. 1 – Domestic Water Supply Utility:

- 1. Description: 2-inch diameter domestic water supply line pipe including fittings, trace wire, trenching & compacted backfill to 6-foot depth in accordance with Section 33 1116 "Site Water Utility Distribution Piping" and Section 31 2316.13 "Trenching."

\$ _____ per Lineal Foot CIP

B. Unit Price No. 2 – Fire Protection Water Supply Utility:

- 1. Description: 6-inch diameter fire protection water supply line pipe including fittings, trace wire, trenching & compacted backfill to 6-foot depth in accordance with Section 33 1116 "Site Water Utility Distribution Piping" and Section 31 2316.13 "Trenching."

\$ _____ per Lineal Foot CIP

C. Unit Price No. 3 – Sanitary Sewer Utility:

- 1. Description: 8-inch SDR-35 PVC sanitary sewer pipe including fittings, trace wire, trenching & compacted backfill to 7-foot depth in accordance with Section 33 3111 "Site Sanitary Utility Sewerage Piping" and Section 31 2316.13 "Trenching."

\$ _____ per Lineal Foot CIP

D. Unit Price No. 4 – Sanitary Sewer Manhole:

- 1. Description: Precast concrete 4-foot diameter sanitary sewer manhole with eccentric cone section with masonry grout transition to lid frame, cover, anchorage and accessories to 7-foot depth in accordance with Section 33 0513 "Manholes and Structures."

\$ _____ Each CIP

END OF SECTION 01 2200

SECTION 33 05 13 | MANHOLES AND STRUCTURES

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Monolithic reinforced concrete eccentric cone manholes with **masonry** grout transition to lid frame, covers, anchorage, and accessories.
- B. Modular precast reinforced concrete eccentric cone manhole sections with tongue-and-groove joints **with masonry grout transition to lid frame**, covers, anchorage, and accessories.

1.02 REFERENCE STANDARDS

- A. **City of Clovis Standard Specifications for Public Works Construction**;
- B. ACI 530/530.1/ERTA - Building Code Requirements and Specification for Masonry Structures; American Concrete Institute International ; **2009**.
- C. ASTM A48/A48M - Standard Specification for Gray Iron Castings ; **2003 (Reapproved 2008)**.
- D. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products ; **2009**.
- E. ASTM C478 - Standard Specification for Precast Reinforced Concrete Manhole Sections ; **2009**.
- F. ASTM C923 - Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals ; **2008**.

1.03 SUBMITTALS

- A. Shop Drawings: Indicate manhole locations, elevations, **piping** sizes and elevations of penetrations.
- B. Product Data: Provide manhole covers, component construction **features, configuration, and dimensions**.

1.04 QUALITY ASSURANCE

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum **three years documented experience**.

1.05 FIELD CONDITIONS

- A. Cold and Hot Weather Requirements: Comply with requirements of ACI 530/530.1/ERTA or applicable building code, whichever is more stringent.
- B. Maintain materials and surrounding air temperature to minimum **50 degrees F prior to, during, and 48 hours after completion of masonry work**.

SECTION 33 05 13 | MANHOLES AND STRUCTURES

PART 2 PRODUCTS**2.01 MATERIALS**

- A. Manhole Sections: Reinforced precast concrete in accordance with ASTM C478 (ASTM C478M), with resilient connectors complying with ASTM C923 (ASTM C923M).
- B. Concrete: As specified in Section **03 30 00**.
- D. Mortar **and Grout**: Type S (1800 psi @ 28 days).

2.02 COMPONENTS

- A. All manhole components including Lid and Frame, Steps, Anchors, Shaft and Configuration: As specified in the City of Clovis Standard Specifications for Public Works Constructor Section 900.

PART 3 EXECUTION**3.01 EXAMINATION**

- A. Verify items provided by other sections of Work are properly sized and located.
- B. Verify that built-in items are in proper location, and ready for roughing into Work.
- C. Verify excavation for manholes is correct.

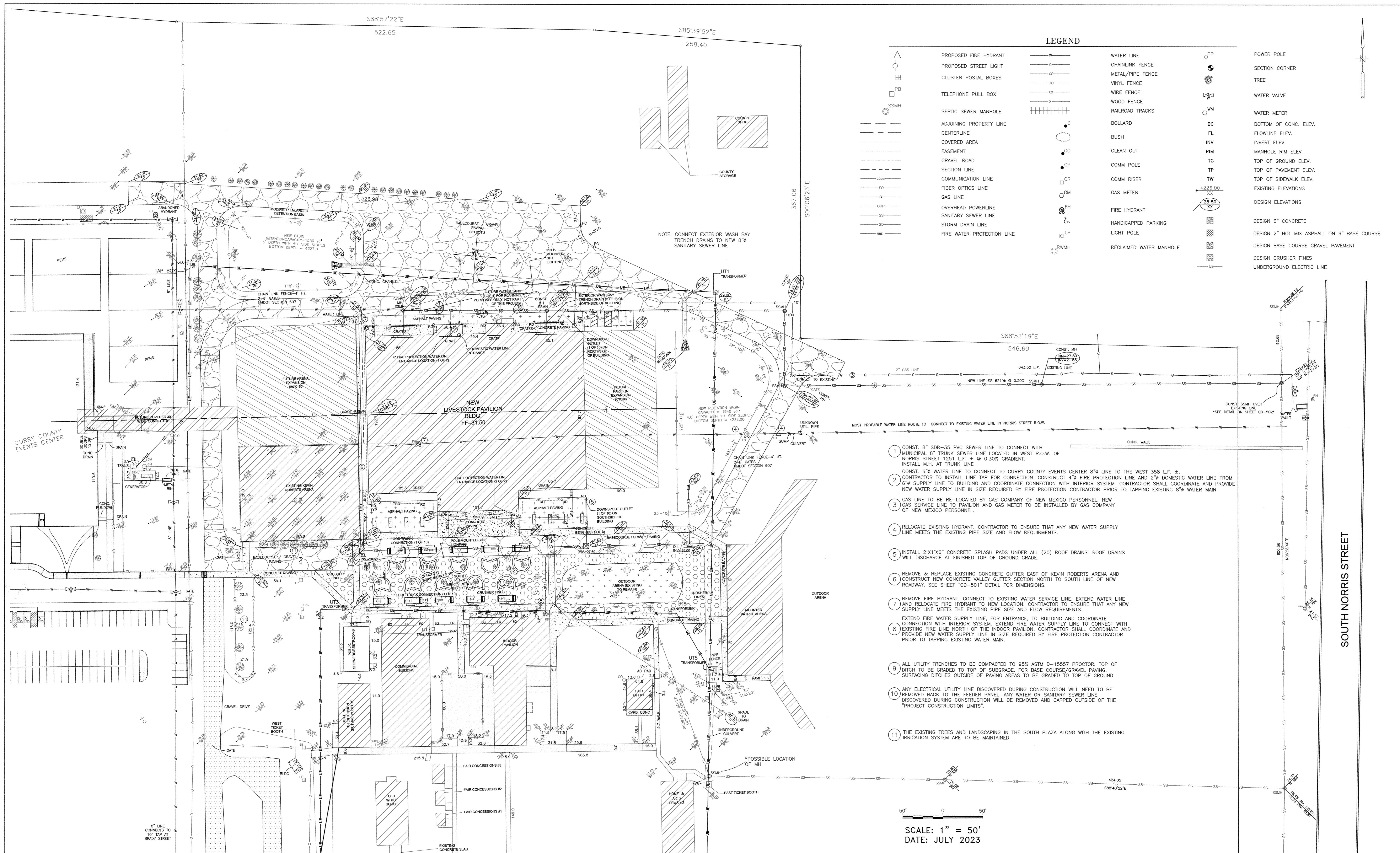
3.02 PREPARATION

- A. Coordinate placement of inlet and outlet pipe or duct sleeves required by other sections.

3.03 MANHOLES

- A. Place concrete base pad, trowel top surface level.
- B. Place manhole sections plumb and level, trim to correct elevations, anchor to base pad.
- C. Form and place manhole cylinder plumb and level, to correct dimensions and elevations. As work progresses, build in **fabricated metal items**.
- D. Cut and fit for **pipe**.
- E. Grout base of shaft sections to achieve slope to exit piping. Trowel smooth. Contour as required.
- F. Set cover frames and covers level without tipping, to correct elevations.
- G. Coordinate with other sections of work to provide correct size, shape, and location.

END OF SECTION

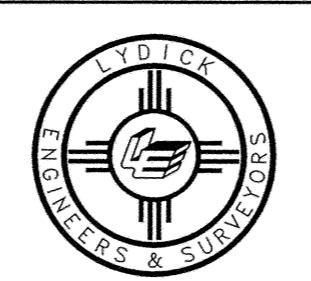


LEGEND	
	PROPOSED FIRE HYDRANT
	PROPOSED STREET LIGHT
	CLUSTER POSTAL BOXES
	TELEPHONE PULL BOX
	SEPTIC SEWER MANHOLE
	ADJOINING PROPERTY LINE
	CENTERLINE
	COVERED AREA
	EASEMENT
	GRAVEL ROAD
	SECTION LINE
	COMMUNICATION LINE
	FIBER OPTICS LINE
	GAS LINE
	OVERHEAD POWERLINE
	SANITARY SEWER LINE
	STORM DRAIN LINE
	FIRE WATER PROTECTION LINE
	WATER LINE
	CHAINLINK FENCE
	METAL/PIPE FENCE
	VINYL FENCE
	WIRE FENCE
	WOOD FENCE
	RAILROAD TRACKS
	BOLLARD
	BUSH
	CLEAN OUT
	COMM POLE
	COMM RISER
	GAS METER
	FIRE HYDRANT
	HANDICAPPED PARKING
	LIGHT POLE
	RECLAIMED WATER MANHOLE
	POWER POLE
	SECTION CORNER
	TREE
	WATER VALVE
	WATER METER
	BOTTOM OF CONC. ELEV.
	FLOWLINE ELEV.
	INVERT ELEV.
	MANHOLE RIM ELEV.
	TOP OF GROUND ELEV.
	TOP OF PAVEMENT ELEV.
	TOP OF SIDEWALK ELEV.
	EXISTING ELEVATIONS
	DESIGN ELEVATIONS
	DESIGN 6" CONCRETE
	DESIGN 2" HOT MIX ASPHALT ON 6" BASE COURSE
	DESIGN BASE COURSE GRAVEL PAVEMENT
	DESIGN CRUSHER FINES
	UNDERGROUND ELECTRIC LINE

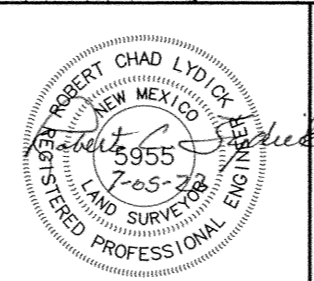
- CONST. 8" SDR-35 PVC SEWER LINE TO CONNECT WITH MUNICIPAL 8" TRUNK SEWER LINE LOCATED IN WEST R.O.W. OF NORRIS STREET 1251 L.F. ± @ 0.30% GRADIENT. INSTALL M.H. AT TRUNK LINE.
- CONST. 6" WATER LINE TO CONNECT TO CURRY COUNTY EVENTS CENTER 8" LINE TO THE WEST 358 L.F. ±. CONTRACTOR TO INSTALL LINE TAP FOR CONNECTION. CONSTRUCT 4" FIRE PROTECTION LINE AND 2" DOMESTIC WATER LINE FROM 6" SUPPLY LINE TO BUILDING AND COORDINATE CONNECTION WITH INTERIOR SYSTEM. CONTRACTOR SHALL COORDINATE AND PROVIDE NEW WATER SUPPLY LINE IN SIZE REQUIRED BY FIRE PROTECTION CONTRACTOR PRIOR TO TAPPING EXISTING 8" WATER MAIN.
- GAS LINE TO BE RE-LOCATED BY GAS COMPANY OF NEW MEXICO PERSONNEL. NEW GAS SERVICE LINE TO PAVILION AND GAS METER TO BE INSTALLED BY GAS COMPANY OF NEW MEXICO PERSONNEL.
- RELOCATE EXISTING HYDRANT. CONTRACTOR TO ENSURE THAT ANY NEW WATER SUPPLY LINE MEETS THE EXISTING PIPE SIZE AND FLOW REQUIREMENTS.
- INSTALL 2'x1'x6" CONCRETE SPLASH PADS UNDER ALL (20) ROOF DRAINS. ROOF DRAINS WILL DISCHARGE AT FINISHED TOP OF GROUND GRADE.
- REMOVE & REPLACE EXISTING CONCRETE GUTTER EAST OF KEVIN ROBERTS ARENA AND CONSTRUCT NEW CONCRETE VALLEY GUTTER SECTION NORTH TO SOUTH LINE OF NEW ROADWAY. SEE SHEET "CD-501" DETAIL FOR DIMENSIONS.
- REMOVE FIRE HYDRANT, CONNECT TO EXISTING WATER SERVICE LINE, EXTEND WATER LINE AND RELOCATE FIRE HYDRANT TO NEW LOCATION, CONTRACTOR TO ENSURE THAT ANY NEW SUPPLY LINE MEETS THE EXISTING PIPE SIZE AND FLOW REQUIREMENTS.
- EXTEND FIRE WATER SUPPLY LINE, FOR ENTRANCE, TO BUILDING AND COORDINATE CONNECTION WITH INTERIOR SYSTEM. EXTEND FIRE WATER SUPPLY LINE TO CONNECT WITH EXISTING FIRE LINE NORTH OF THE INDOOR PAVILION. CONTRACTOR SHALL COORDINATE AND PROVIDE NEW WATER SUPPLY LINE IN SIZE REQUIRED BY FIRE PROTECTION CONTRACTOR PRIOR TO TAPPING EXISTING WATER MAIN.
- ALL UTILITY TRENCHES TO BE COMPACTED TO 95% ASTM D-1557 PROCTOR. TOP OF DITCH TO BE GRADED TO TOP OF SUBGRADE. FOR BASE COURSE/GRAVEL PAVING. SURFACING DITCHES OUTSIDE OF PAVING AREAS TO BE GRADED TO TOP OF GROUND.
- ANY ELECTRICAL UTILITY LINE DISCOVERED DURING CONSTRUCTION WILL NEED TO BE REMOVED BACK TO THE FEEDER PANEL. ANY WATER OR SANITARY SEWER LINE DISCOVERED DURING CONSTRUCTION WILL BE REMOVED AND CAPPED OUTSIDE OF THE "PROJECT CONSTRUCTION LIMITS".
- THE EXISTING TREES AND LANDSCAPING IN THE SOUTH PLAZA ALONG WITH THE EXISTING IRRIGATION SYSTEM ARE TO BE MAINTAINED.

SCALE: 1" = 50'
DATE: JULY 2023

DESIGNED BY:	RCL
DRAWN BY:	ANJ/JIG
SHEET CHK'D BY:	RCL
CROSS CHK'D BY:	
APPROVED BY:	RCL
DATE:	07/05/2023



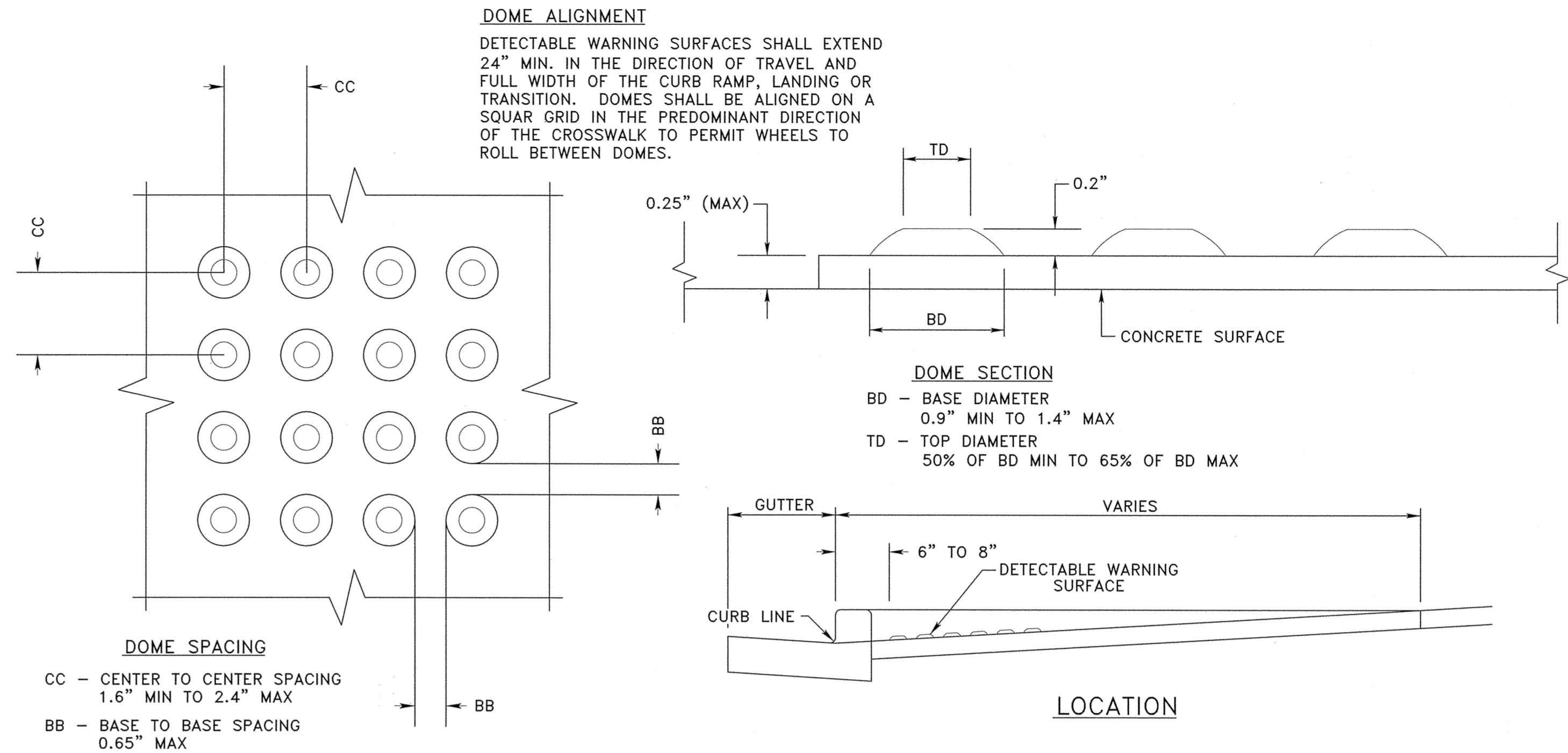
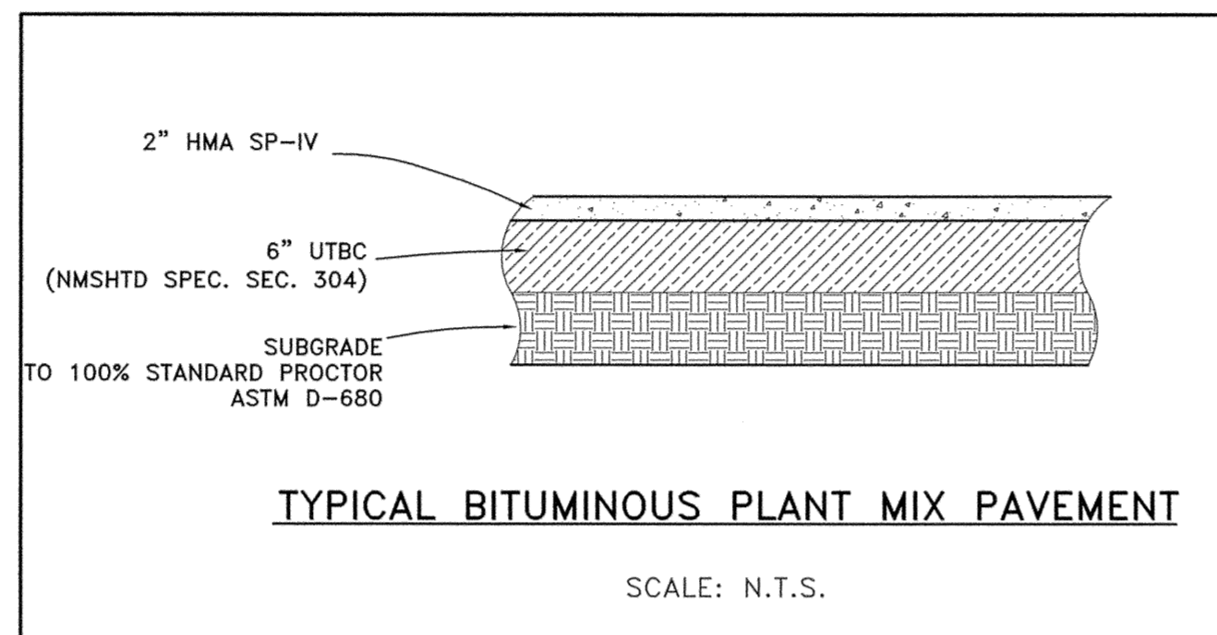
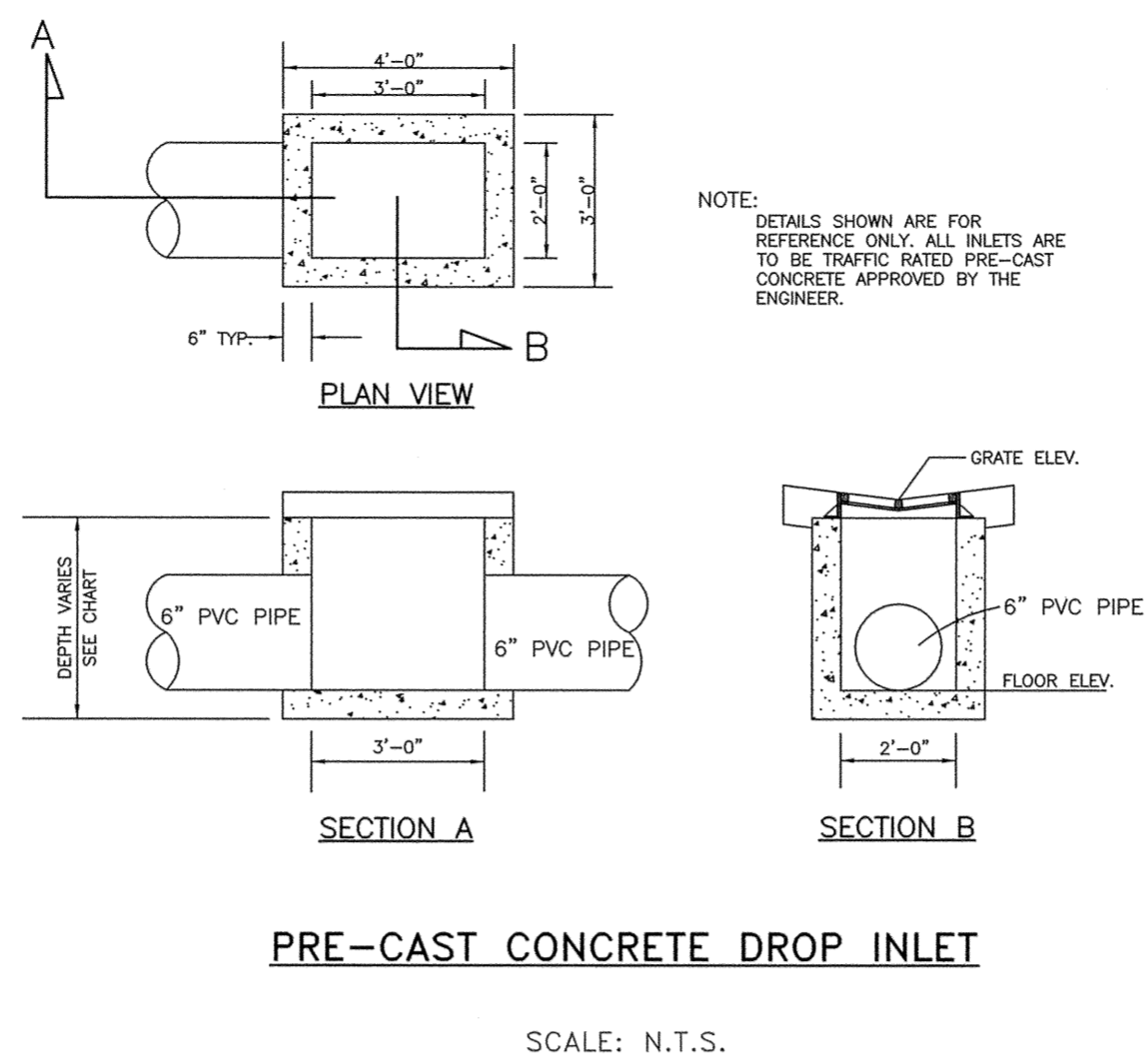
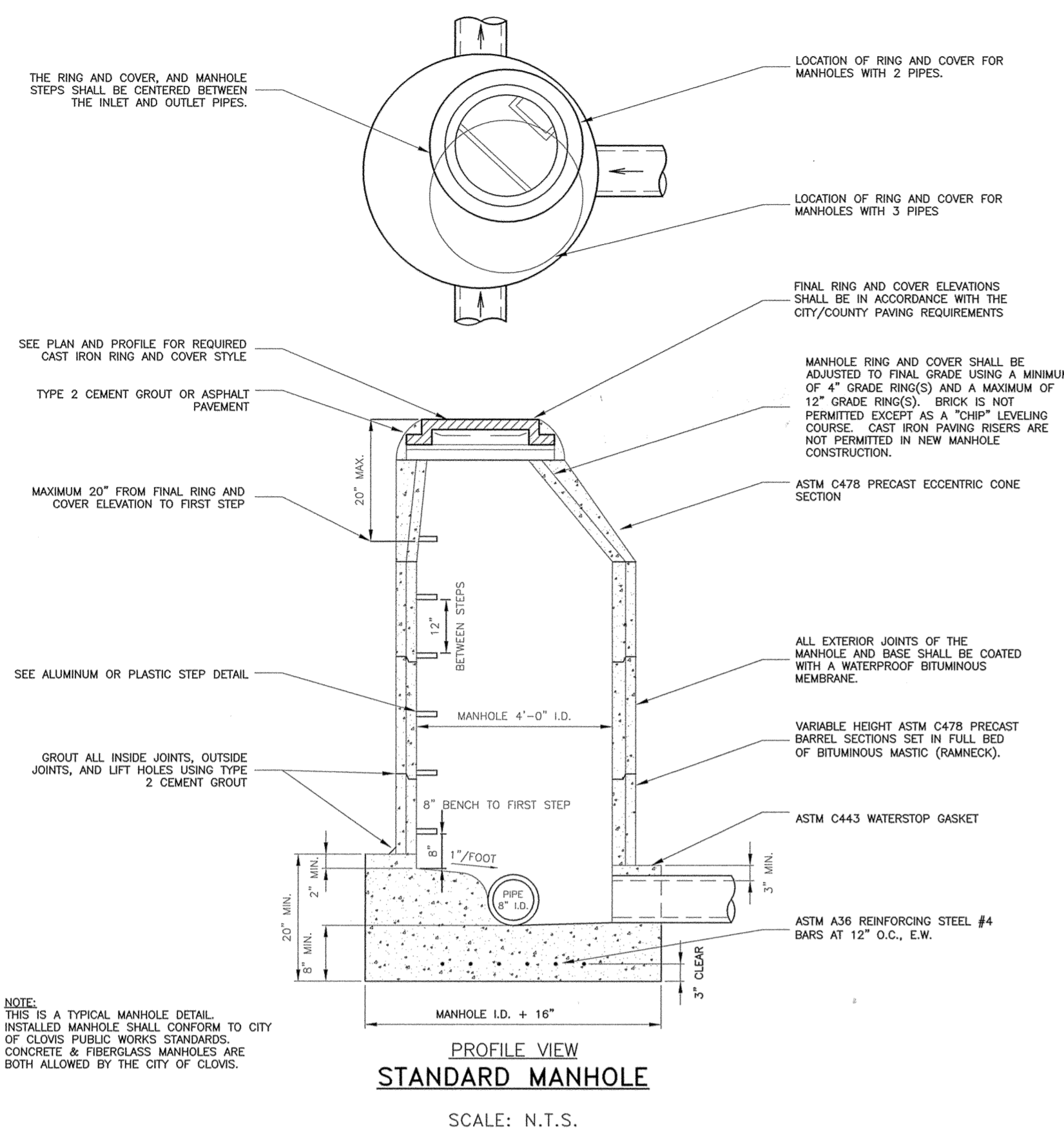
LYDICK
ENGINEERS & SURVEYORS
205 EAST SECOND STREET
CLOVIS, NEW MEXICO 88101
(575) 762-3771



LIVESTOCK PAVILION AREA
1900 E. BRADY AVE.
CITY OF CLOVIS
CURRY COUNTY, NEW MEXICO

CIVIL SITE PLAN

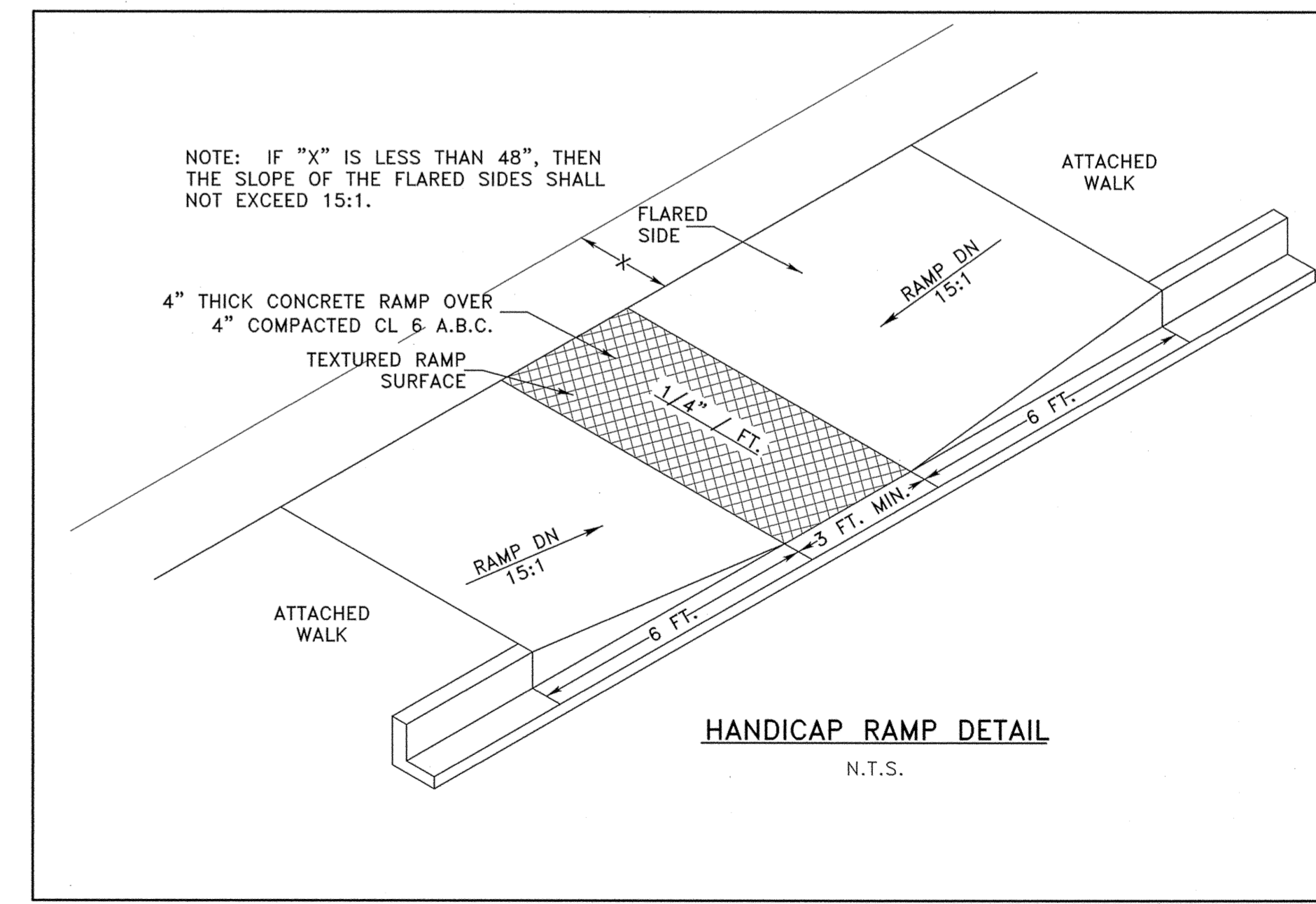
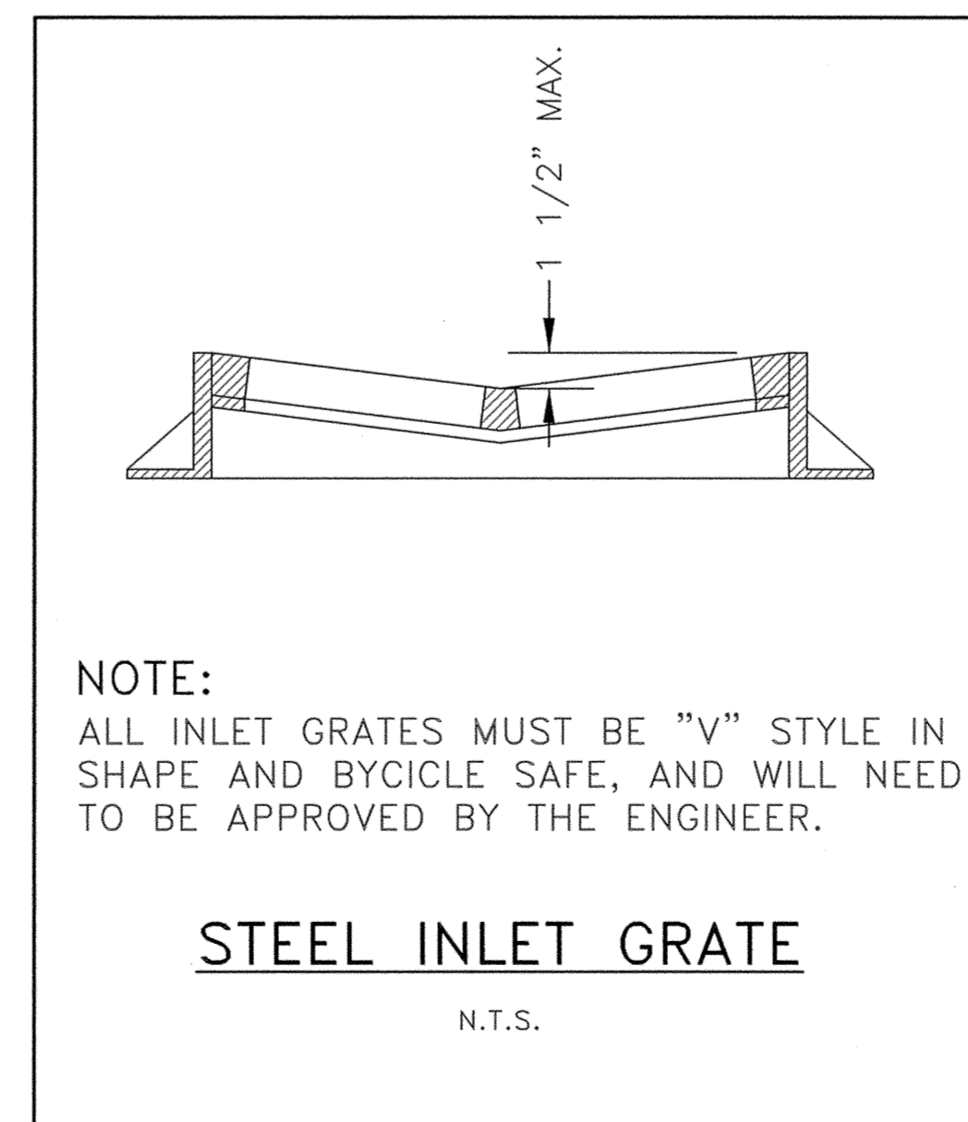
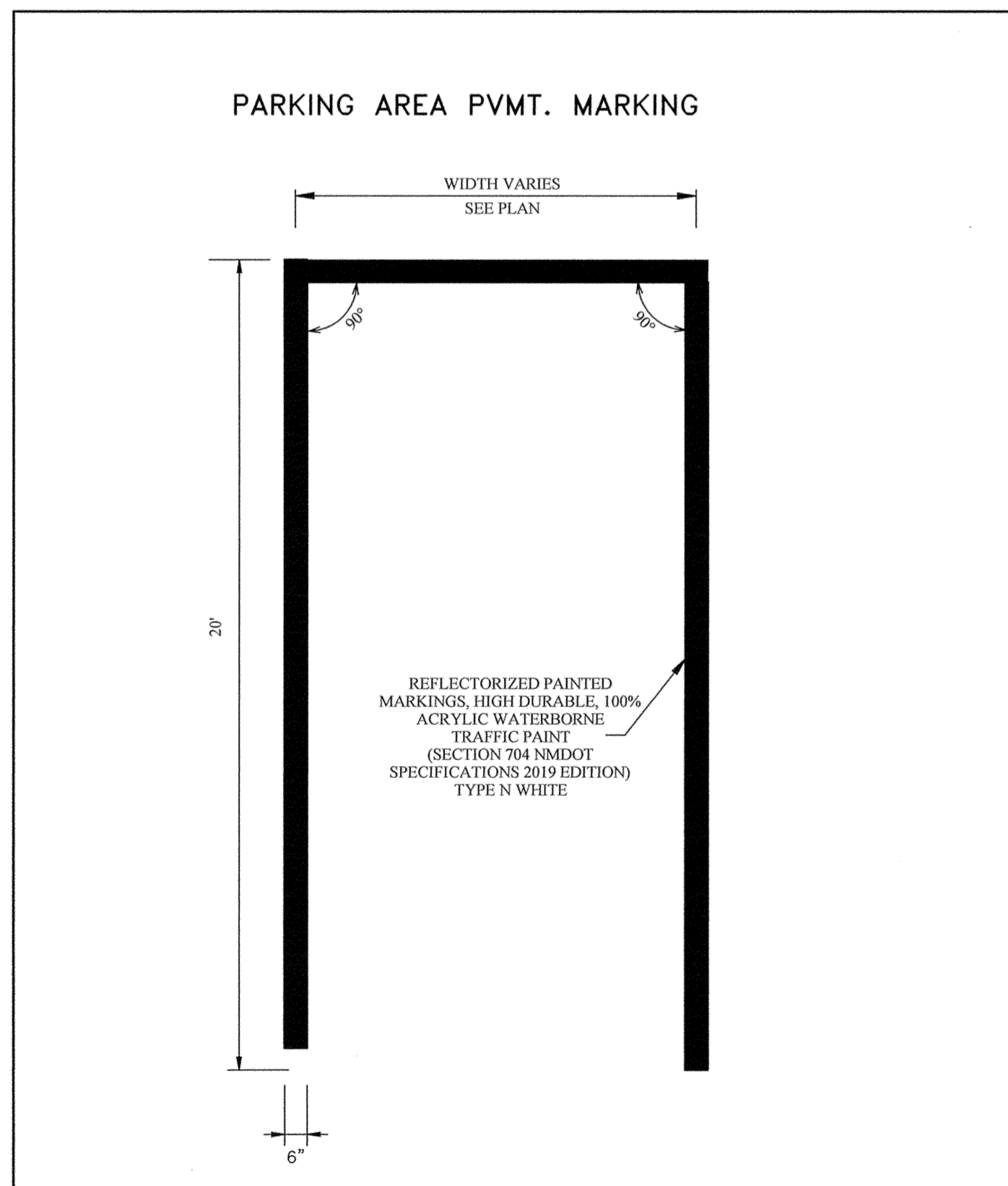
PROJECT NO.
28111
SHEET NO.
CS-101



- NOTES:**
1. DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION OR RECONSTRUCTION OF STREETS, CURBS OR SIDEWALKS BY ALL PUBLIC AGENCIES AND BY ALL PRIVATE ORGANIZATIONS CONSTRUCTING FACILITIES FOR PUBLIC USE.
 2. SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
 3. THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.
 4. ALL PRODUCTS USED FOR DETECTABLE WARNING SURFACES SHALL BE ON THE DEPARTMENT'S APPROVED PRODUCT LIST.

HANDICAP RAMP DETAIL

SCALE: N.T.S.



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RCL
DRAWN BY: JIG
SHEET CHK'D BY: RCL
CROSS CHK'D BY:
APPROVED BY: RCL
DATE: 07/03/2023

LYDICK ENGINEERS & SURVEYORS
205 EAST SECOND STREET
CLOVIS, NEW MEXICO 88101
(575)-762-3771

LIVESTOCK PAVILION AREA
CITY OF CLOVIS
CURRY COUNTY, NEW MEXICO

CIVIL DETAILS

PROJECT NO. 28111
SHEET NO. CD-502

CURRY COUNTY LIVESTOCK PAVILION

1900 E BRADY AVE, CLOVIS NM, 88101



ABBREVIATIONS

/	Per	FAB	Fabricate	OD	Outside Diameter
@	At	FF	Finished Floor	O.F.	Outside Face
AB	Anchor Bolt	FLG	Flange	OPNG	Opening
ADDNL	Additional	FLR	Floor	OPP	Opposite
ADJ	Adjacent	FDTN	Foundation	PAF	Powder Actuated Fastener
AFF	Above Finish Floor	FO	Face Of	PC	Precast
ALT	Alternative	FP	Full Penetration	PEN	Penetration
APA	American Plywood Association	FRMG	Framing	PERP	Perpendicular
APPROX	Approximate	FS	Far Side	PL	Plate
ARCH	Architect or Architectural	FT	Foot or Feet	PLF	Pounds Per Lineal Foot
		FTG	Footing	PREFAB	Prefabricated
		FV	Field Verify	PRELIM	Preliminary
B/, B.O.	Bottom of	GA	Gage or Gauge	PS	Prestressed
BG	Backgoue	GALV	Galvanized	PSF	Pounds Per Square Foot
BLDG	Building	GL	Glu-lam	PSI	Pounds Per Square Inch
BLKG	Blocking	GR	Grade	PT	Pressure Treated
BM	Beam	GR BM	Grade Beam	QTY	Quantity
BN	Boundary Nail				
BOT or B	Bottom	HAS	Headed Anchor Stud	RAD or R	Radius
BOF	Bottom of Footing	HD	Hold Down	RC	Reinforced Concrete
BOS	Bottom of Steel	HDG	Hot Dipped Galvanized	RE:	or REF Refer to (Reference)
BRG	Bearing	HK	Hook	REINF	Reinforce(ing)(d)(ment)
BSMT	Basement	HORIZ	Horizontal	RET	Return
BTWN	Between	HT	Height	REQD	Required
		HVAC	Heating-Ventilating and A/C	REQT(S)	Requirement(s)
CC	Center to Center	ID	Inside Diameter	RO	Rough Opening
CG	Center of Gravity	I.F.	Inside Face	(S)	Salvaged
CIP	Cast-In-Place	IN	Inch	SCHED	Schedule
CJ	Control Joint	INT	Interior	SEC	Section
CJP	Complete Joint Penetration	IT	Precast Inverted Tee Beam	SIM	Similar
CL	Centerline	JST	Joist	SLH	Short Leg Horizontal
CLG	Ceiling	JT	Joint	SLV	Short Leg Vertical
CLR	Clear	K	Kip	SOG	Slab on Grade
CMU	Concrete Masonry Unit	KSI	Kips per Square Inch	SP @	Space At
COL	Column			SP	Space(s)
CONC	Concrete	L or LG	Length	SPECS	Specifications
CONN	Connection	LB (S)	Pound(s)	SPRT	Support
CONST	Construction	LL	Live Load	SS	Stainless Steel
CONT	Continue or Continuous	LLH	Long Leg Horizontal	STD	Standard
CONTR	Contractor	LLV	Long Leg Vertical	STIFF	Stiffener
COORD	Coordinate	LOC (S)	Location(s) or Locate	STL	Steel
CSJ	Construction Joint	LONG	Longitudinal	STR	Structural
CTR(D)	Center(ed)	LSL	Laminated Strand Lumber	SW	Shearwall
		LT	Light	SYM	Symmetrical
d	Penny	LT WT	Light Weight	T&B	Top & Bottom
DBL	Double	LVL	Level or Laminated Veneer Lumber	T	Top
DEG	Degree	LWC	Light Weight Concrete	T/	Top of
DIA or Ø	Diameter	MAS	Masonry	TH	Thick or Thickness
DIAG	Diagonal	MATL	Material	Th.ROD	Threaded Rod
DIM	Dimension	MAX	Maximum	TL	Total Load
DL	Dead Load	MBS	Metal Building Supplier	T.O.	Top of
DN	Down	MCJ	Masonry Control Joint	TOC	Top of Concrete
DP	Drilled Pier	MECH	Mechanical	TOF	Top of Footing
DT	Precast Double Tee	MEP	Mechanical/Electrical/Plumbing	TOM	Top of Masonry
DTL (S)	Detail(s)	MIL(S)	Millimeter(s)	TOPG	Topping
DWL(S)	Dowel(s)	MIN	Minimum	TOS	Top of Steel
EXIST	Existing	MISC	Miscellaneous	TOW	Top of Wall
EA	Each	ML	Micro-Lam	TRANS	Transverse
EC	Epoxy Coated	MNFR	Manufacturer	TYP	Typical
EE	Each End	MO	Masonry Opening	ULT	Ultimate
EF	Each Face	MTL	Metal	UNO	Unless Noted Otherwise
EJ	Expansion Joint	N	North	VERT	Vertical
EL	Elevation	NS	Non-Shrink or Near Side	VIF	Verify In Field
EMBED	Embedded	NIC	Not in Contact		
EN	Edge Nail	NO or #	Number	W/O	Without
ENGR	Engineer	NOM	Nominal	W/	With
EOR	Engineer-of-Record	NTS	Not To Scale	WD	Width or Wood
EOS	Edge of Slab	NWC	Normal Weight Concrete	WF	Wide Flange
EQ	Equal	OAE	Or Approved Equivalent	WT	Weight
EQ SP	Equally Spaced	OC	On Center	WWR	Welded Wire Reinforcement
EQUIP	Equipment	OCEW	On Center Each Way	WxH	Width x Height
ES	Each Side				
EW	Each Way				
EXP ANCH	Expansion Anchor				
EXP	Expansion				
EXT	Exterior				

LEGEND

SYMBOL	DESCRIPTION
	ELEVATION SYMBOL
	HOLD DOWN LOCATION
	HELICAL PILE LOCATION
	KEYED NOTE
	DRAWING REVISION NUMBER
	CURRENT REVISION CLOUD
	SUBGRADE
	RIGID INSULATION
	CAST IN PLACE CONCRETE
	DETAIL CUT
	BEAM
	FOOTING

SHEET INDEX

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S0.3	OUTLINE SPECIFICATIONS
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S1.1	FOUNDATION PLAN NW
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S1.4	FOUNDATION PLAN SE
S2.1	FRAMING PLAN ENTRY CANOPY
S3.1	FOUNDATION DETAILS
S3.2	FOUNDATION DETAILS
S3.3	FOUNDATION DETAILS

CURRY COUNTY LIVESTOCK PAVILION

1900 E BRADY AVE. CLOVIS, NM 88101

100% CONSTRUCTION DOCUMENTS

7/5/2023

REVISIONS

1. 7/5/2023, ADDENDUM #002

NOTES

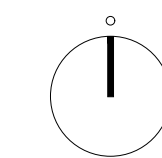
DRAWN BY: JAR

REVIEWED BY: EDT

DATE: 7/5/2023

PROJECT NO: #23-0003

NORTH = SCALE



DRAWING NAME

INDEX; LEGEND; ABBREVIATIONS

S0.1

Sheet No. 2023

STRUCTURAL OUTLINE SPECIFICATIONS CURRY COUNTY LIVESTOCK PAVILION, CLOVIS NM, 88101



CURRY COUNTY LIVESTOCK PAVILION
1900 E BRADY AVE. CLOVIS, NM 88101
100% CONSTRUCTION DOCUMENTS

7/5/2023

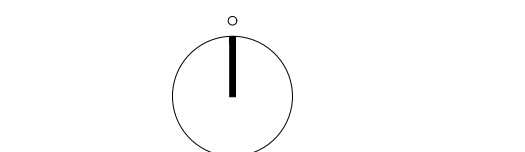
REVISIONS

1 / 7/5/2023 / ADDENDUM #002

NOTES

DRAWN BY JAR
REVIEWED BY EDT
DATE 7/5/2023
PROJECT NO #23-0003

NORTH = SCALE



DRAWING NAME
OUTLINE SPECIFICATIONS

S0.3

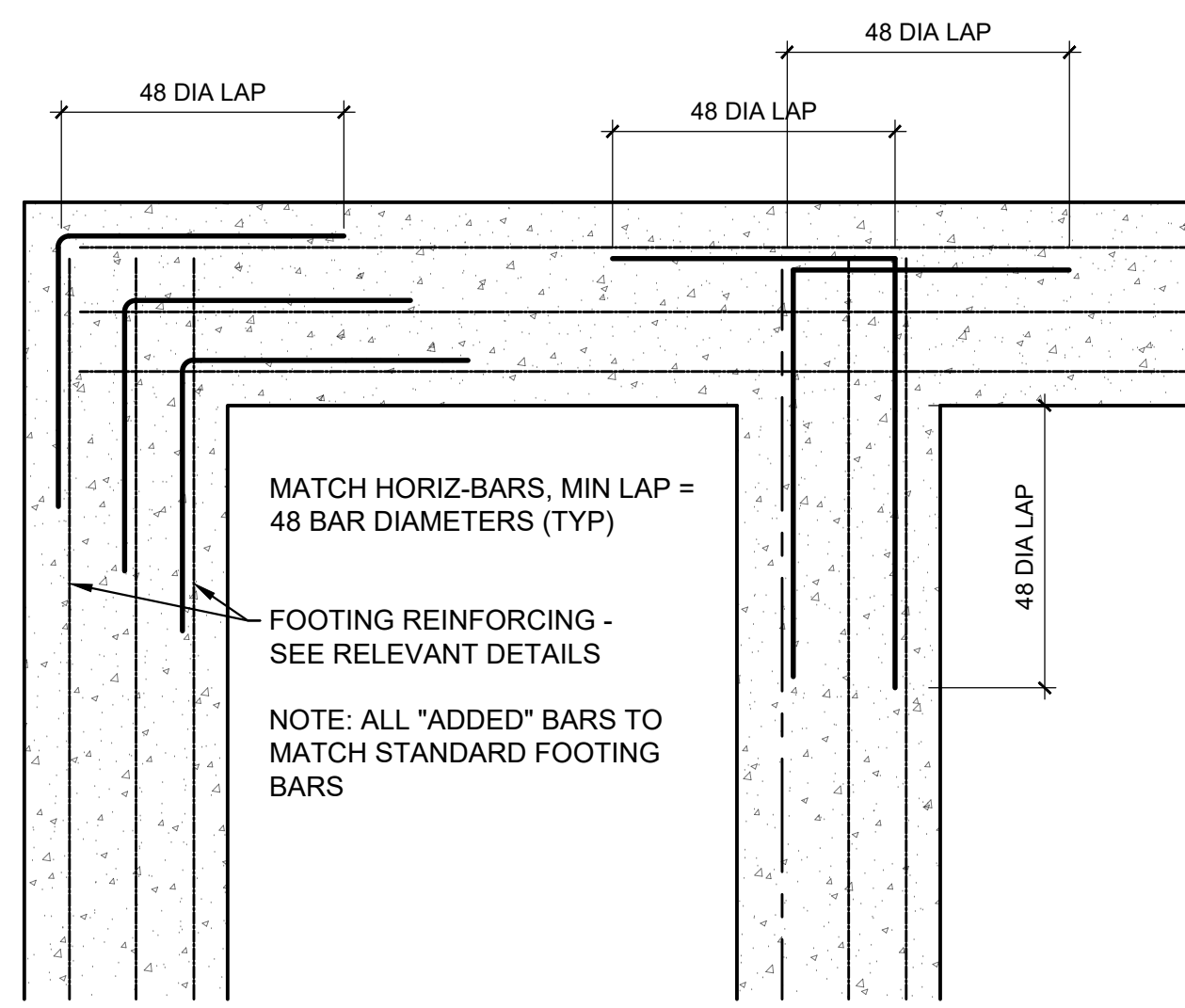
Sheet No. 2023

- R. Grout placement stopped for one hour or more should be stopped 1 1/2" below the top of the masonry unit to provide key for subsequent grouting.
- S. Reinforcing steel = A615, Grade 60.
- T. High lift grouting, in heights of 4'-8" or more, in hollow masonry units, cleaning holes shall be provided at all cores containing vertical reinforcement.
- U. Single-Wythe walls: provide ladder type horizontal joint reinforcing with 9-gauge, side and cross rods at every course. (Dur-O-Wall Ladur Type or Equal)
- V. Double-Wythe walls: provide ladder type horizontal joint reinforcing with 3/16" double wire eyes spaced at 16" o.c. with 3/16" wire pintels. (Dur-O-Eye Ladur Type or Equal)
- W. Test grout per ASTM 1019.
- X. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thicknesses and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using less-than-half-size units, particularly at corners, jambs, and, where possible, at other locations.
- Y. Vertical control joints shall be installed at 20' o.c. or within 15' of a corner, UON. Coordinate locations of all control joints with Architect prior to installation.
- Z. All field bending of reinforcing shall be done cold. Heating of bars will not be permitted.
- VI. STRUCTURAL STEEL**
- A. Work shall conform to all applicable codes and specifications and in accordance with the American Institute of Steel Construction Specifications, latest edition, the AWS D1.1 and ASTM A-36, latest edition.
- B. Structural steel shall conform to the American Institute of Steel Construction Specifications:
- Hot rolled shapes must conform to the requirements of ASTM Specifications A-36, A-572 or A-992, with minimum yield of 36 or 50 ksi, respectively.
 - Round HSS, must conform to the requirements of ASTM A-500 Grade B with minimum yield strength of 42 ksi.
 - Rectangular HSS must conform to the requirements of ASTM A-500 Grade B with a minimum yield strength of 46 ksi.
 - Pipe sections must conform to the requirements of ASTM A53 with a minimum yield strength of 35 ksi.
 - Steel for Cold-Formed sections must conform to the requirements of ASTM A-1011 or A-1039 Grade 55, or ASTM A-653 Grade 55 with minimum yield strength of 55 ksi.
- C. Paint: steel shall be given primer coat of paint and at a rate to provide dry film thickness of not less than 1.5 mils. Field welds, bolts, nuts, abrasions, scrapes, etc., shall be primed after erection.
- D. Welding electrodes: welding electrodes for manual shielding metal-arc welding shall conform to E60 or E70 series of the "specifications for mild steel arc-welding electrodes, ASTM A233. Bare electrodes and granular flux used in the submerged arc process shall conform to the provisions of the AISC, Section 1.173, or Part5."
- E. Bolts, standard: Shall conform to ASTM A307.
- F. Bolts, high strength: Shall conform to ASTM A490, or A325 as shown.
- G. Grout for base plates shall be Embeco as manufactured by the Master Builders Company or approved equal.
- H. Provide 1/2" pre-molded expansion joint material where slab on grade is poured around columns unless otherwise shown.
- I. Shop drawings shall indicate all structural steel layouts and details showing the type of steel used for each member, sizes of members, connection details, welds, bolts, etc., as required to fabricate and erect all structural steel framing and type of shop paint used conforming to that specified.
- Coordinate final column locations based on opening size architectural requirements for finishes.
- J. All steel framing shall receive one shop coat of paint.
- K. Responsibility for errors of detailing, fabrication and for the correct fit of all structural steel members in accordance with the contract drawings shall lie entirely with the subcontractor for fabrication.
- L. Splices not shown on the drawings will not be permitted unless approved by the structural engineer.
- M. Structural steel shall be erected in accordance with the AISC specifications and in accordance with the AISC Code of Standard Practice, latest edition.
- N. Bolted field connections, unless otherwise noted, shall be standard framed beam connections, and made in accordance with specifications for structural joints using ASTM A-490 bolts, or A-325 bolts as shown.
- O. Brace and maintain all steel in alignment until other parts of construction necessary for permanent bracing or support are completed. Install temporary guys and bracing to resist wind loading designated in applicable building code. The contractor is responsible for the stability of the steel frame until such time as all structural elements have been completed and the building is enclosed.
- P. The owner shall engage an independent testing and inspection agency to inspect bolted and welded connections. If deemed necessary by the Structural Engineer, radiographic/ultrasonic/magnetic particle testing of structural welds.

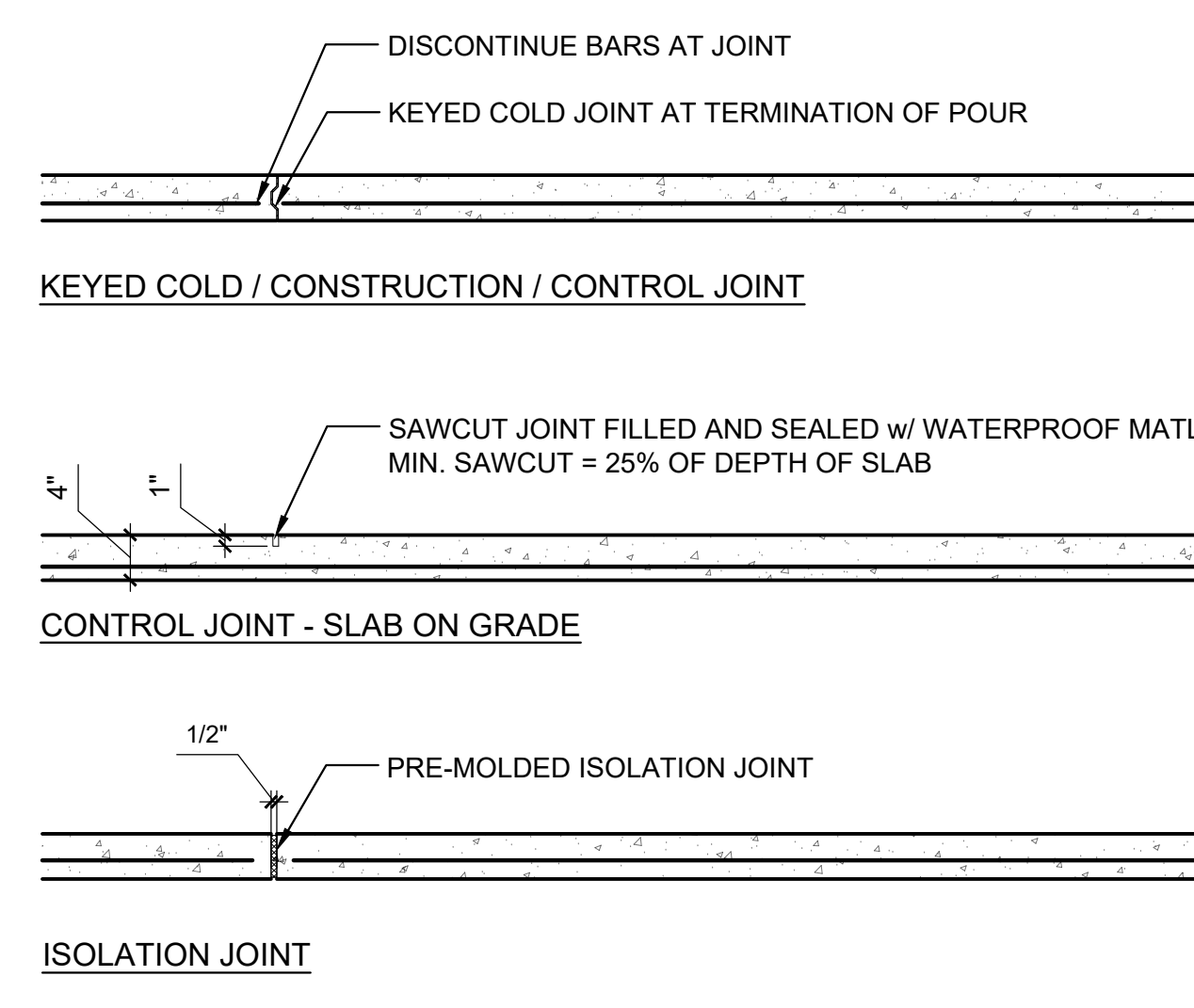
- Q. Fabricator and installer qualifications
- A qualified fabricator or installer that participates in the AISC Quality Certification Program and is designated an AISC-Certified Plant, Category STD.
 - In lieu of participation in the AISC Quality Certification Program or AISC-Certified, the fabricator/erector may employ the services of an approved independent qualified inspector for structural steel. Inspector qualifications and special inspections shall conform to the requirements of the International Building Code, Chapter 17, and shall be in accordance with AWS D1.1.
- VII. COLD-FORMED METAL FRAMING**
- A. All cold-formed metal framing shall be designed in accordance with "specifications for the design of cold formed steel structural members" as published by AISI, latest edition, and shall be formed from corrosion-resistant steel corresponding to the requirements of ASTM A446.
- B. All cold-formed metal components are subject to wind load designs in accordance with the International Building Code - Wind pressure designs and shop drawings shall be signed and sealed by a structural engineer registered in the state of New Mexico and shall be submitted to the Architect for approval.
- C. All welding shall conform to the provisions of AWS D1.1 and ANSI/AWS D1.3. Where the weld throat is not shown in the drawings, the weld throat shall be at least as large as the thickness of the thinnest sheet joined. All welds shall provide complete fusion of the sheets without "blowouts."
- D. Fabricate steel-framing accessories from steel sheet, ASTM A 1003/A 1003M, Structural Grade, Type H, metallic coated, of same grade and coating weight used for framing members.
- E. Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and installed cold-formed metal framing with galvanized repair paint according to ASTM A 780 and manufacturer's written instructions.
- VIII. METAL BUILDING SYSTEMS**
- A. DESIGN REQUIREMENTS
- The building manufacturer will use standards, specifications, recommendations, findings and/or interpretations of professionally recognized groups such as AISC, AISI, AWS, ASTM, CSA, CWB, MBMA, Federal Specifications, and unpublished research by MBMA as the basis for establishing design, drafting, fabrication, and quality criteria, practices, and tolerances. The Manufacturer's design, drafting, fabrication and quality criteria, practices, and tolerances shall govern, unless specifically countermanded by the contract documents.
 - Design structural mill sections and built-up plate sections in accordance with:
 - Code-appropriate edition of AISC's "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings", ANSI/AISC 360 ASD method.
 - Cold-Formed steel structural members and panels will generally be designed in accordance with "Specifications for the Design of Cold-Formed Steel Structural Members", 2007 Edition, ANSI/AISI S-100-07 or CAN CSA S136-07.
 - Design weldments per the following:
 - Structural Welding
 - Design per AWS D1.1, "Structural Welding Code - Steel", Latest Edition.
 - Cold-Formed Welding
 - Design per AWS D1.3, "Structural Welding Code - Sheet Steel", Latest Edition.
 - Standard serviceability criteria
 - Rigid Frame Members Lateral Drift (wind/seismic)
 - Insulated and uninsulated metal all panels: L/60
 - Stucco, masonry, CMU, concrete panel finishes: L/240
 - Other flexible finishes: L/120
- B. SUBMITTALS
- Product Data: Manufacturer's data sheets on each product to be used, including:
 - Preparation instructions and recommendations.
 - Storage and handling requirements and recommendations.
 - Installation methods.
 - Shop Drawings: Provide complete erection drawings for the proper identification and assembly of all building components. Drawings will show anchor bolt settings, transverse cross-sections, sidewall, end wall and roof framing, flashing, and sheeting, and accessory installation details.
 - Certifications: Shop drawings and design analysis shall bear the seal of a registered professional engineer upon request. Design analysis shall be on file and furnished by the manufacturer upon request.
 - Bill of Materials: Bills of material shall be furnished and shall include item weights.
 - Preventative Maintenance Manual.
 - Certifications: Certification of installer and welder qualifications shall be furnished as specified by the Project Engineer.
- C. QUALITY ASSURANCE
- Manufacturer / Fabricator Qualifications:
 - All primary products specified in this section will be supplied by a single IAS AC 472 Accredited Manufacturer /Fabricator with a minimum of five (5) years' experience.
 - Weldments/Welder/Weld Inspection Qualifications:
 - Welding inspection and welding inspector qualification for structural steel shall be in accordance with AWS D1.1, "Structural Welding Code - Steel", latest edition. Welding inspection and welding inspector qualification for cold-formed steel shall be in accordance with AWS D1.3, "Structural Welding Code - Sheet Steel", latest edition.
 - Erector Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing products of

- the same type and scope as specified.
- Design: Standard drawings and design analysis must bear the seal of a registered professional engineer. Design analysis must be on file and furnished by the manufacturer upon request.
- D. INSTALLATION
- There shall be no field modifications to primary structural members except as authorized and specified by the manufacturer.
- IX. POST-INSTALLED ANCHORS (Simpson Strong-Tie or approved equal)**
- A. Except where indicated on the drawings, post-installed anchors shall consist of the following anchor types as provided by Simpson Strong-Tie Company, Inc. or approved equal.
- Anchorage to concrete
 - Adhesive anchors for cracked and uncracked concrete with Set-3G™ technology:
 - Simpson Set-3G/Set-XP/Set-X adhesive anchoring system installed using the Simpson carbide-drill bit meeting the diameter requirements of ANSI B212.15.
 - Adhesive anchors for cracked and uncracked concrete with standard cleaning procedures use:
 - Simpson Set-XP Adhesive anchoring system with HAS-E threaded rod or deformed rebar per ICC-ES ESR-2508 for fast cure applications.
 - Simpson Set-XP Adhesive anchoring system with HAS-E threaded rod or deformed rebar per ICC-ES ESR-2508 for slow cure applications.
 - Anchorage to solid grouted masonry
 - Adhesive anchors use:
 - Simpson Set-3G/Set-XP/Set-X adhesive anchoring system installed using the Simpson carbide-drill bit meeting the diameter requirements of ANSI B212.15.
 - Steel anchor element shall be Simpson HAS-E continuously threaded rod or continuously deformed steel rebar.
 - Mechanical anchors use:
 - Simpson Titen HD® per ICC-ES ESR 1056
 - Simpson Wedge-All® per ICC-ES ESR 1396

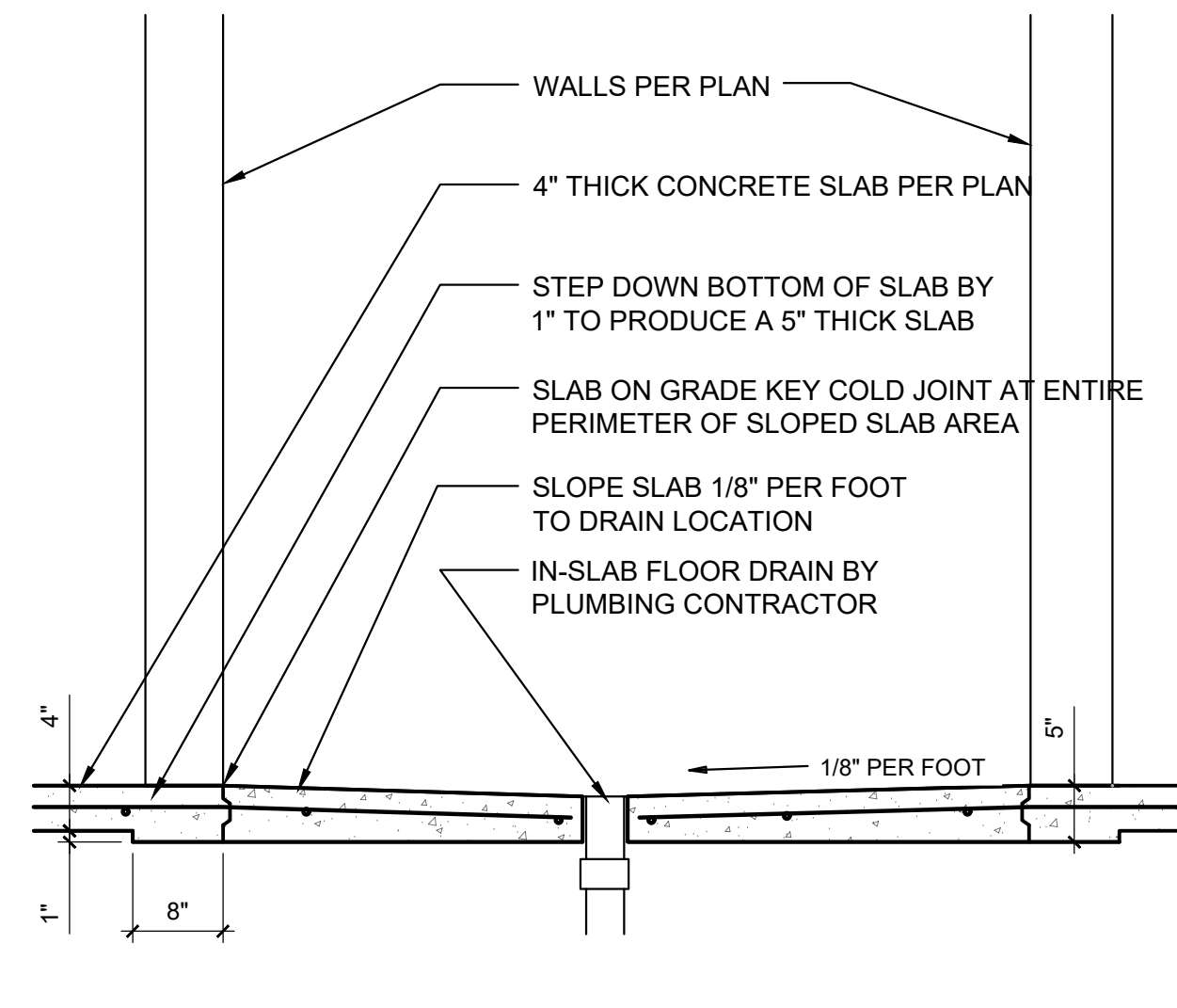
- B. Anchor capacity used in design shall be based on the technical data published by Simpson Strong-Tie or such other method as approved by the structural engineer of record. Substitution requests for alternate products must be approved in writing by the structural engineer of record prior to use. The contractor shall provide calculations demonstrating that the substituted product can achieve the performance values of the specified product. Substitutions will be evaluated by their having an ICC ESR showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions. Adhesive anchor evaluation will also consider creep, in-service temperature, and installation temperature.
- C. Install anchors per the manufacturer instructions, as included in the anchor packaging.
- D. Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.
- E. Existing reinforcing bars in the concrete structure may conflict with specific anchor locations. Unless noted on the drawings that the bars can be cut, the contractor shall review the existing structural drawings and shall undertake to locate the position of the reinforcing bars at the locations of the concrete anchors, GPR, X-ray, chipping, or other means.



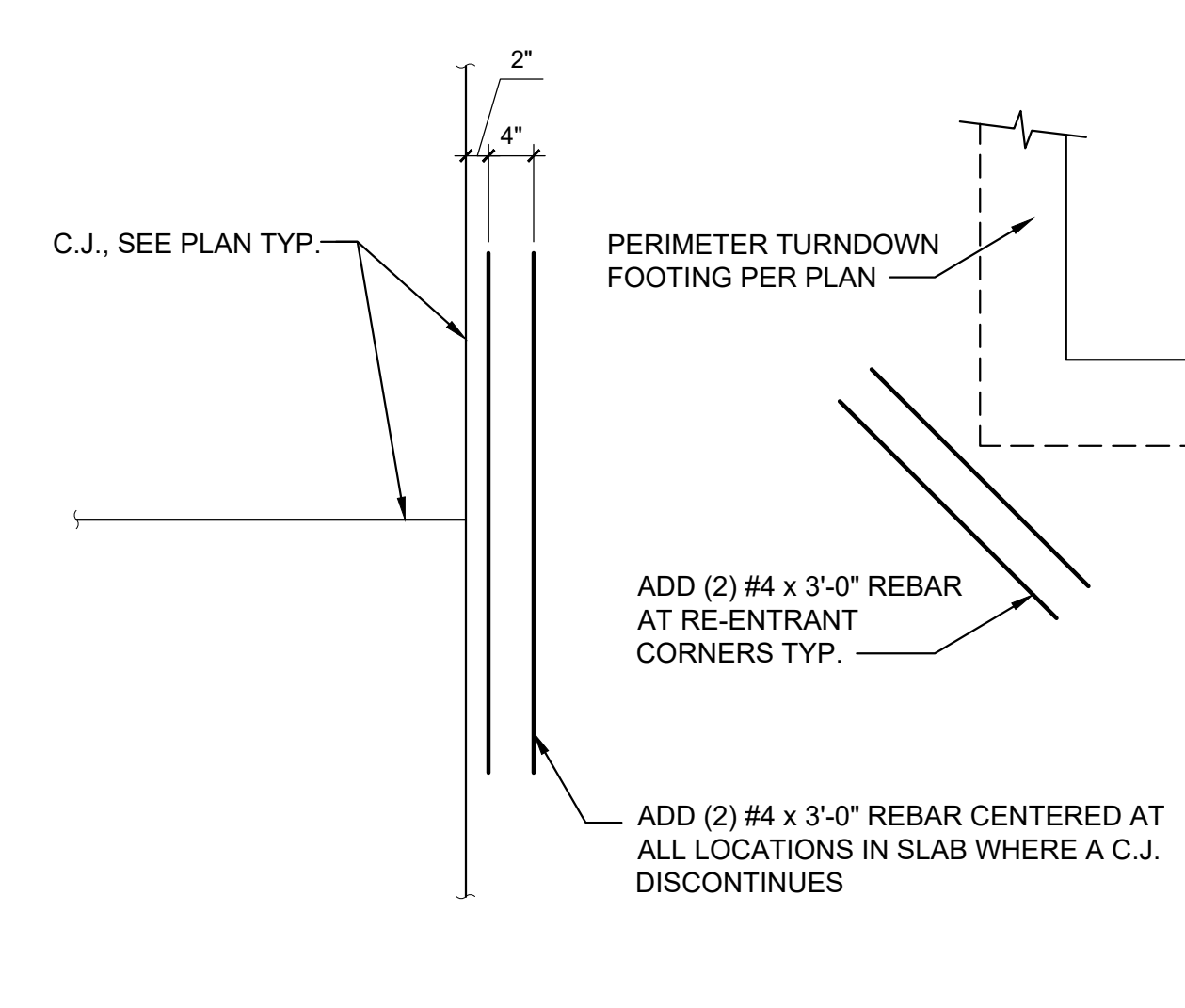
1 FOOTING CORNER AND INTERSECTION REINF.
S0.4 / 3/4" = 1'-0"



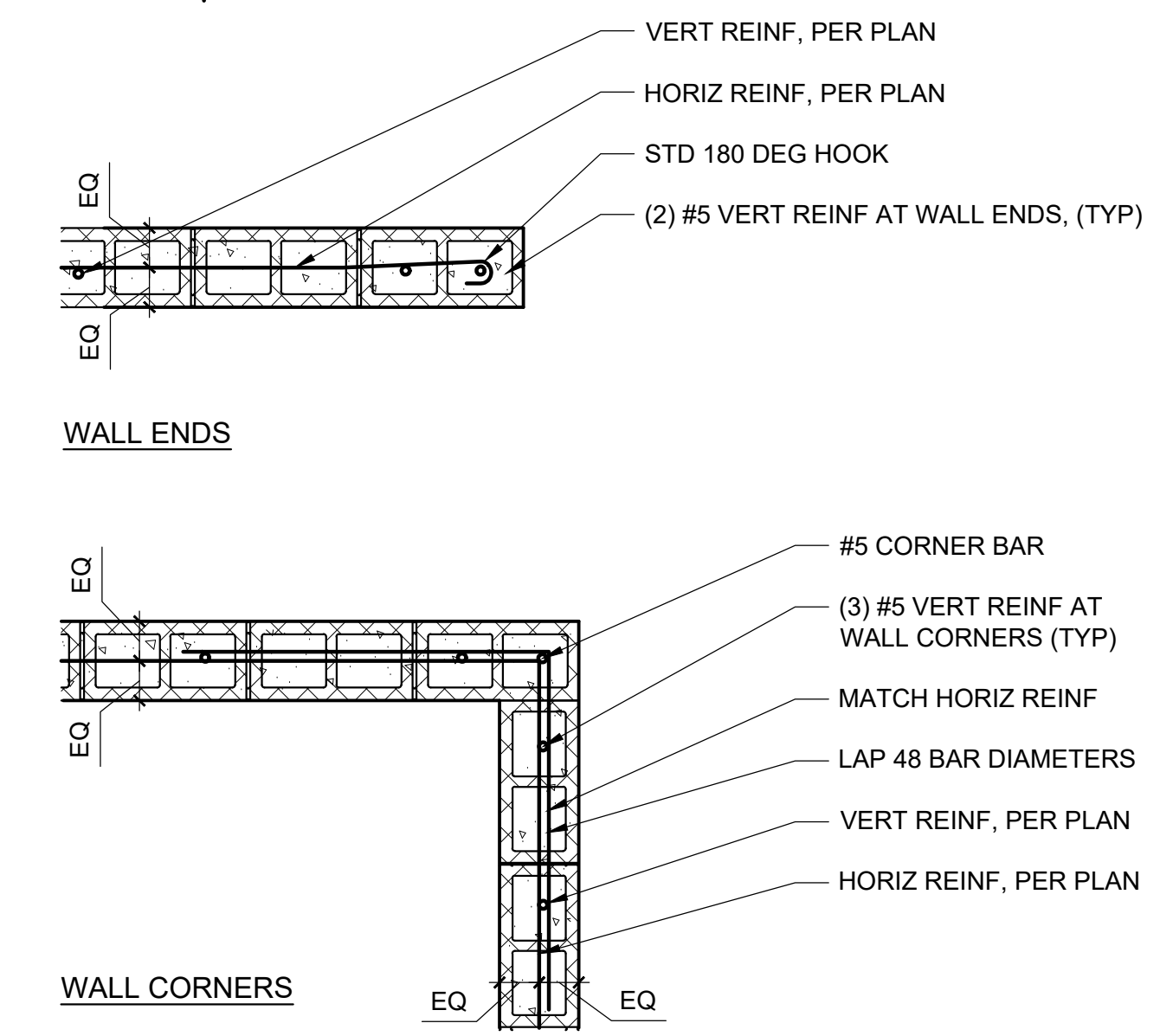
2 SLAB ON GROUND CONTROL JOINTS
S0.4 / 3/4" = 1'-0"



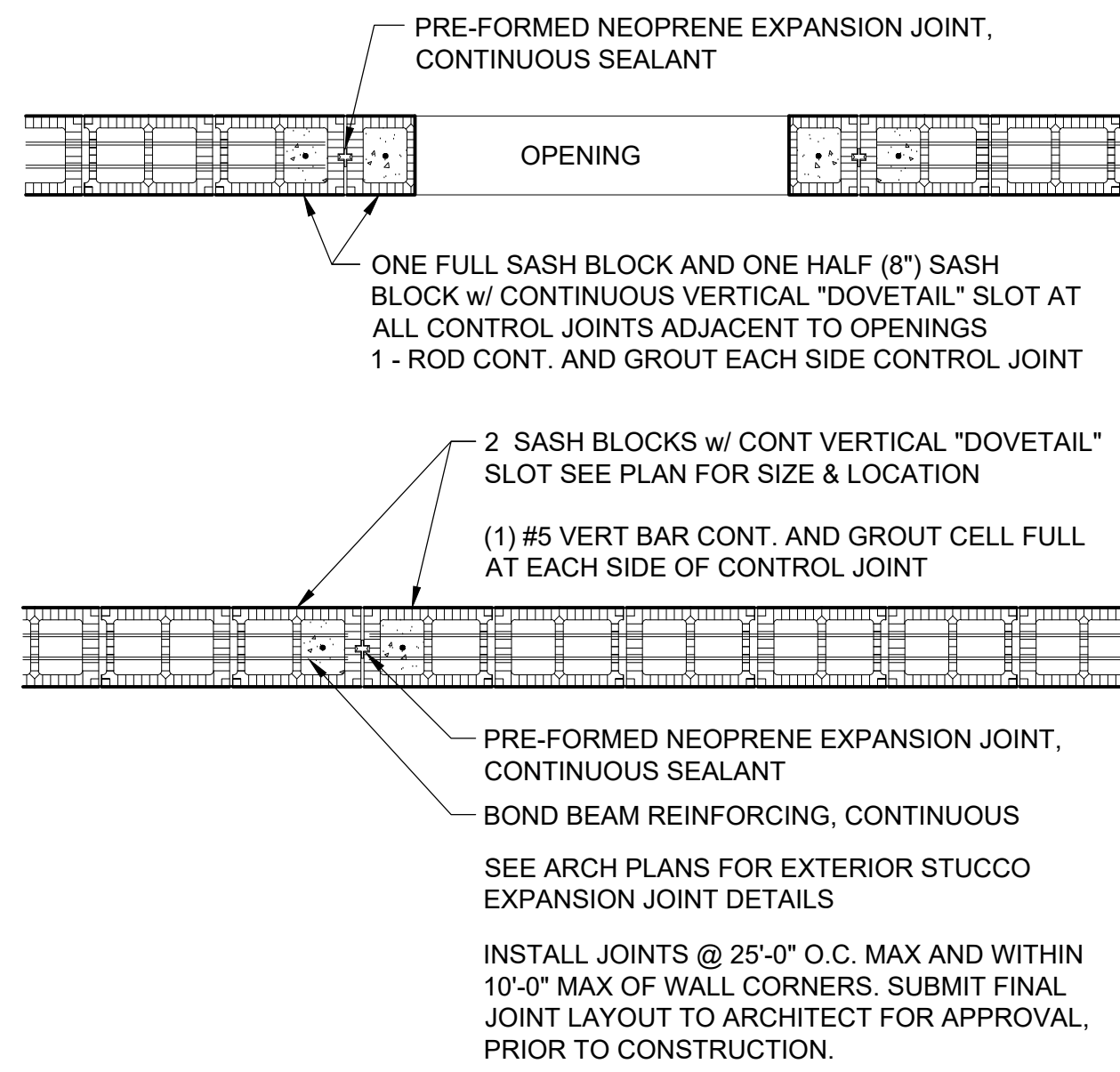
3 THICKENED SLAB SLOPED TO DRAIN
S0.4 / 3/4" = 1'-0"



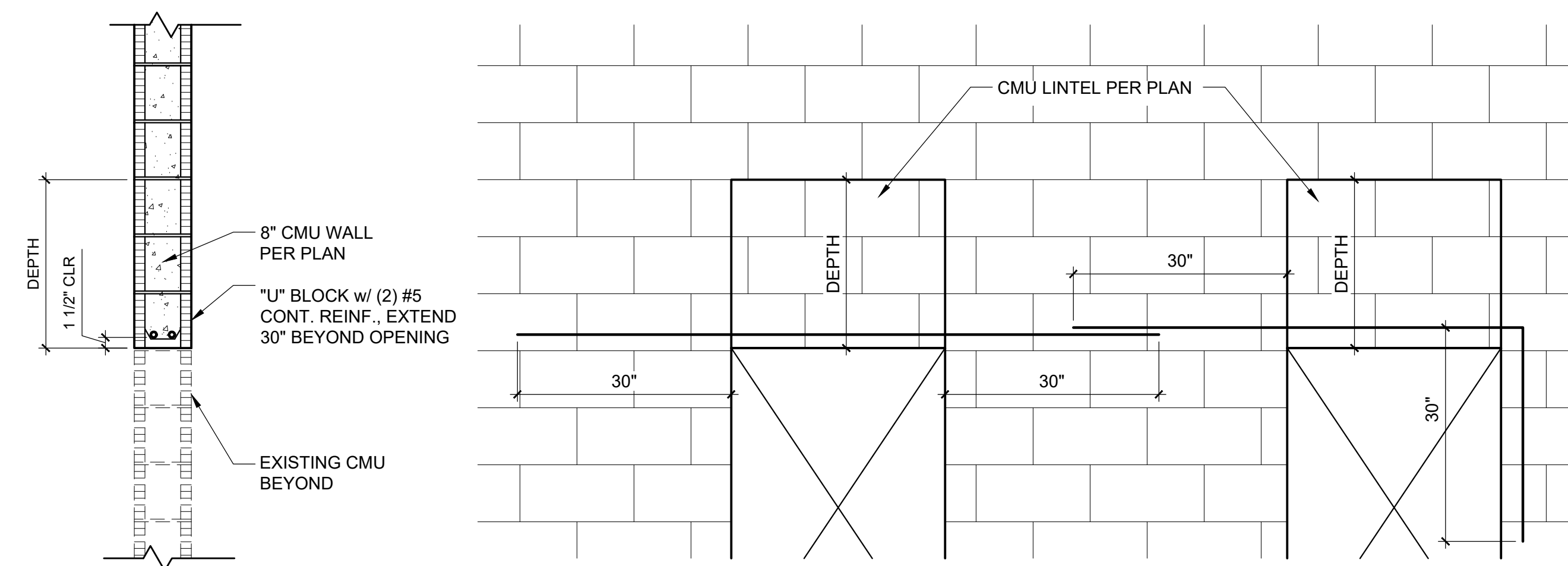
4 CRACK WIDTH CONTROL REINFORCING PLACEMENT
S0.4 / 3/4" = 1'-0"



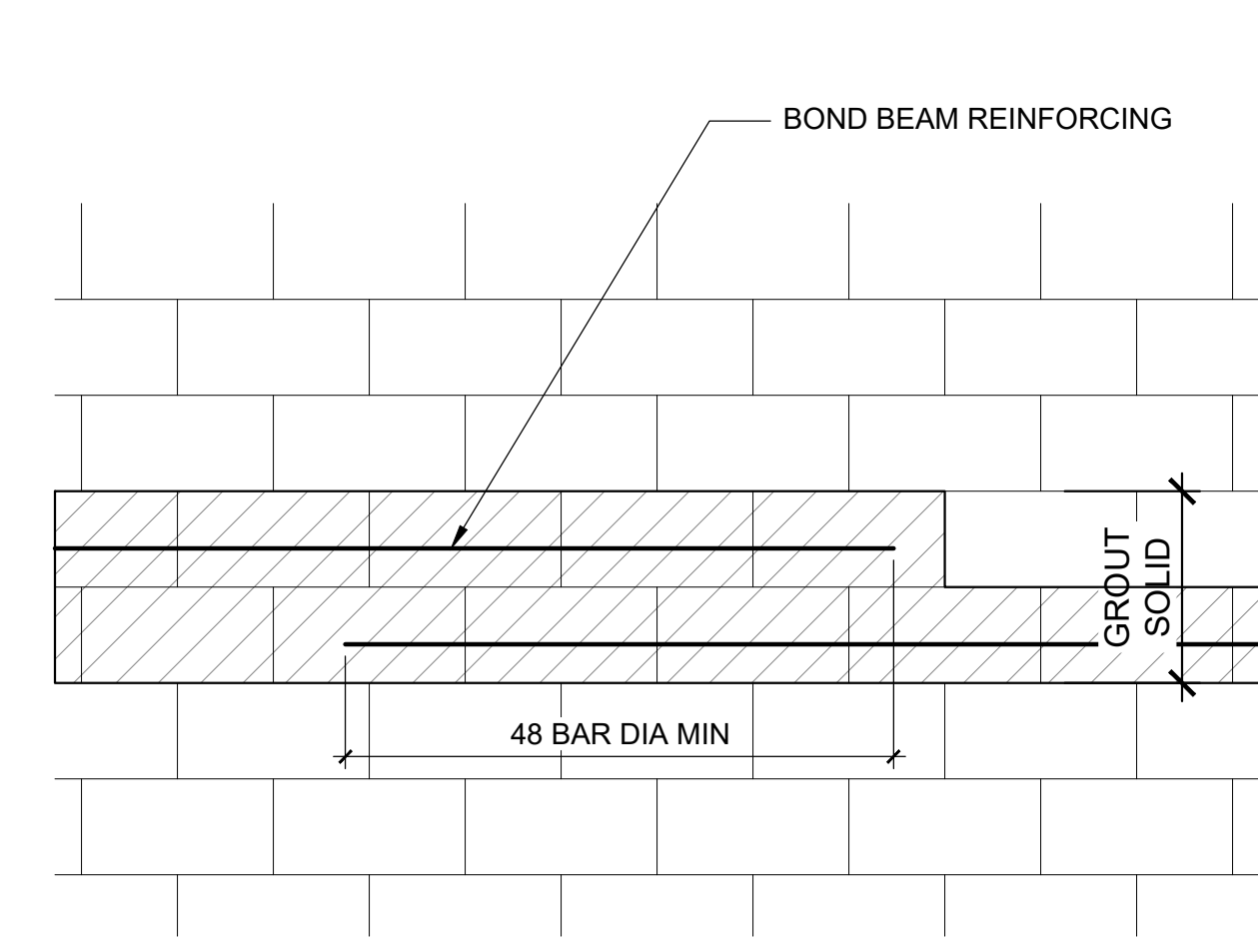
5 TYPICAL CMU CORNER AND END WALL REINFORCING
S0.4 / 3/4" = 1'-0"



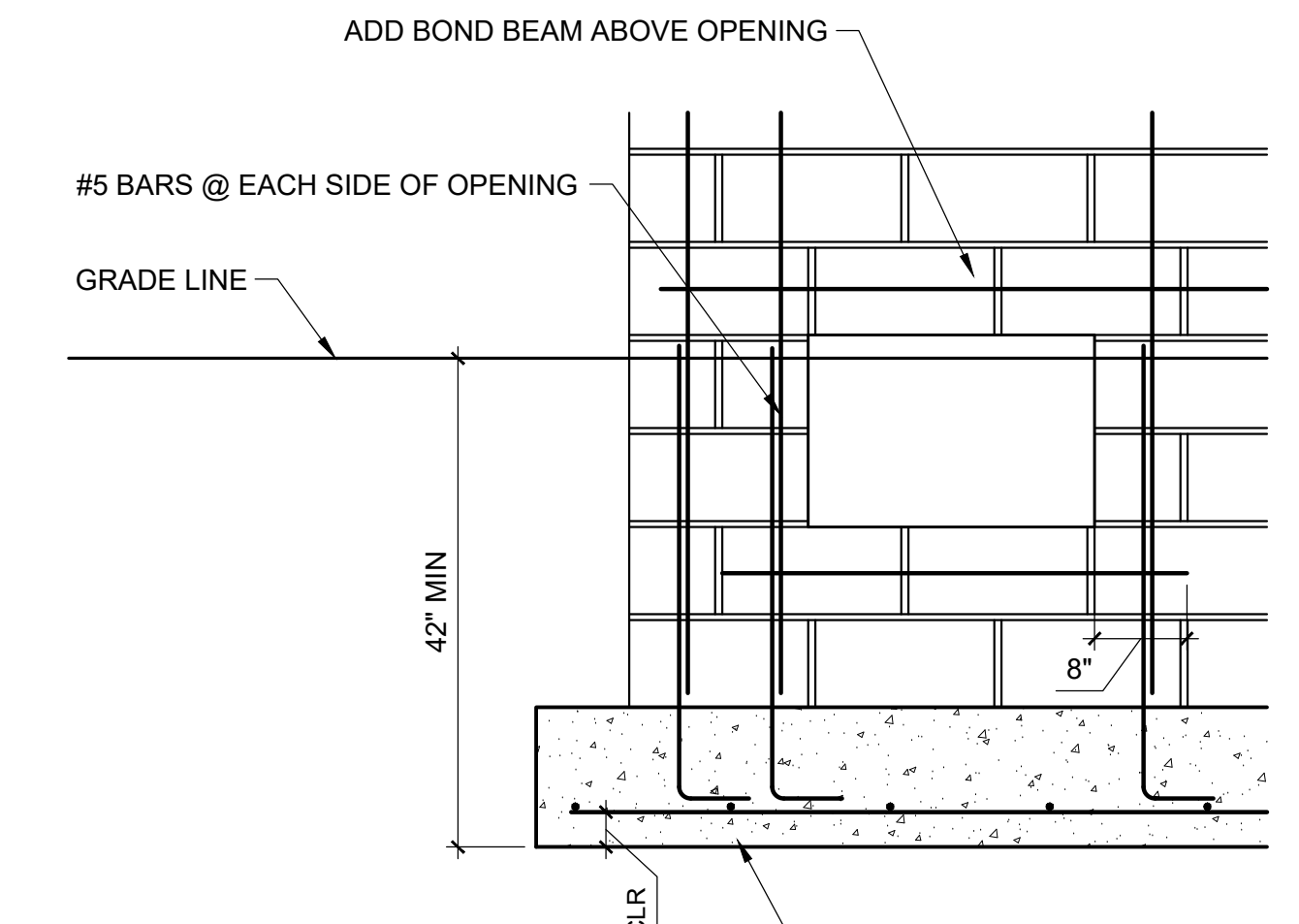
6 MASONRY CONTROL JOINTS
S0.4 / 3/4" = 1'-0"



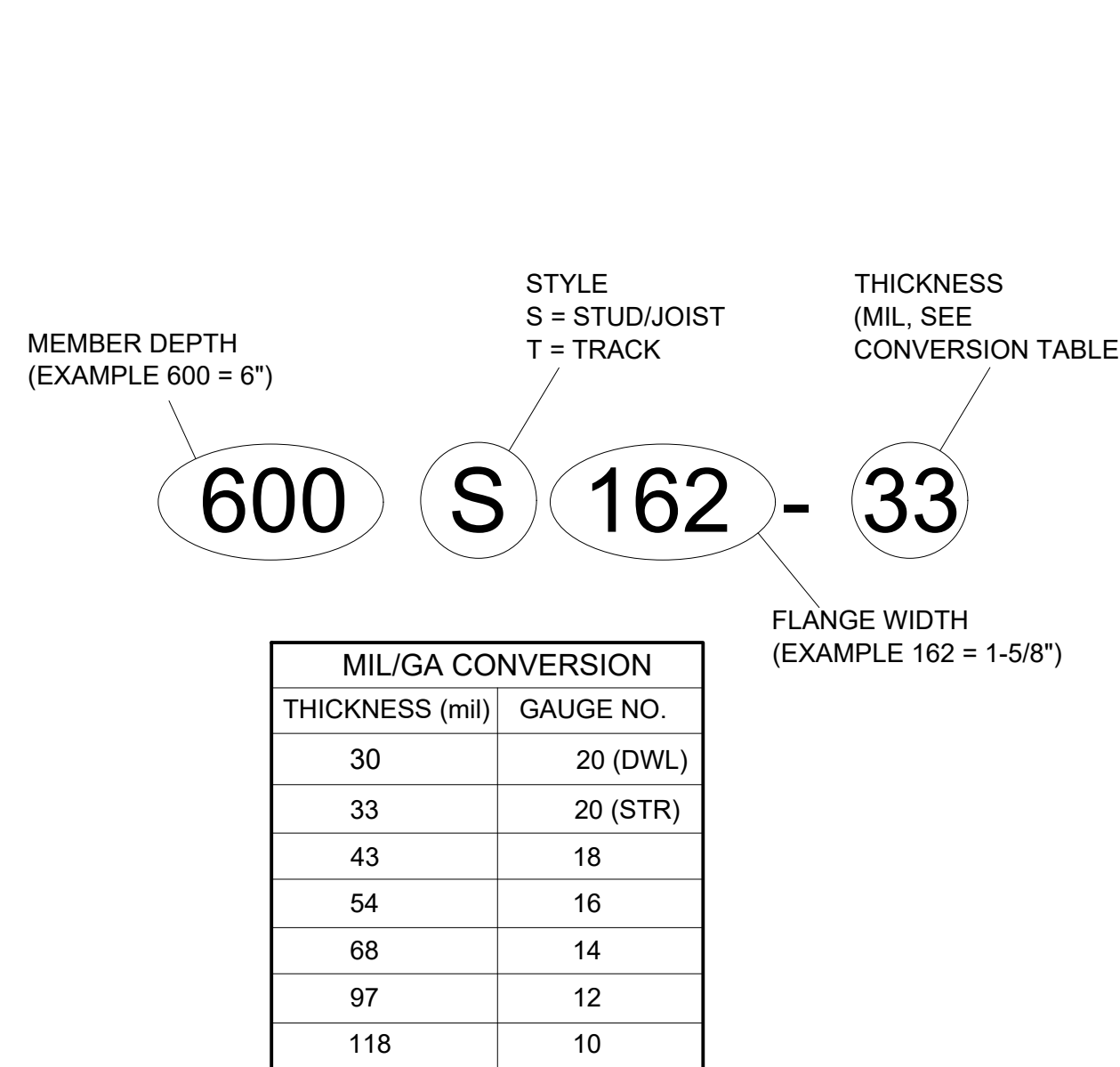
7 TYPICAL CMU LINTEL
S0.4 / 3/4" = 1'-0"



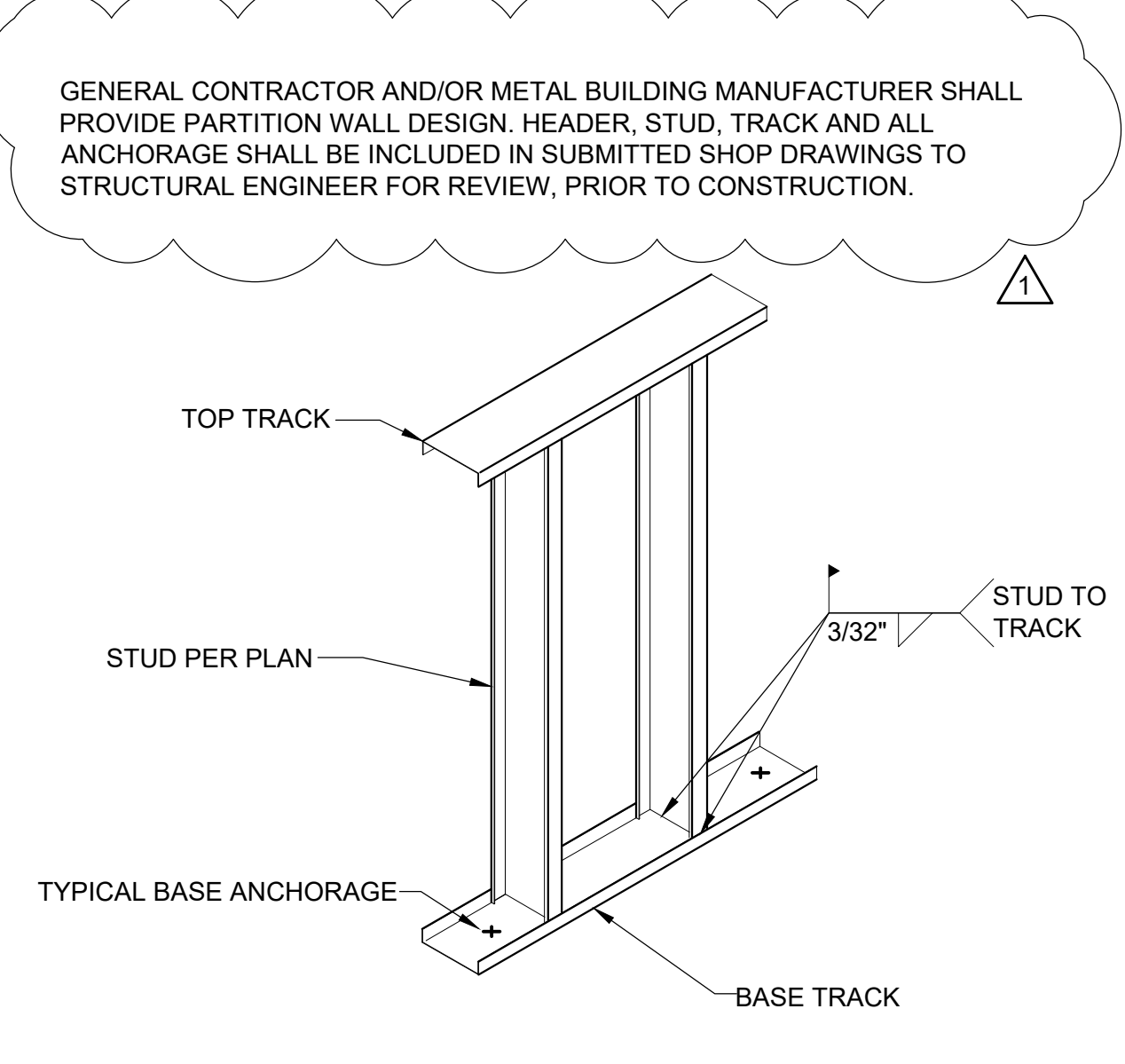
8 TYPICAL BOND BEAM STEP
S0.4 / 3/4" = 1'-0"



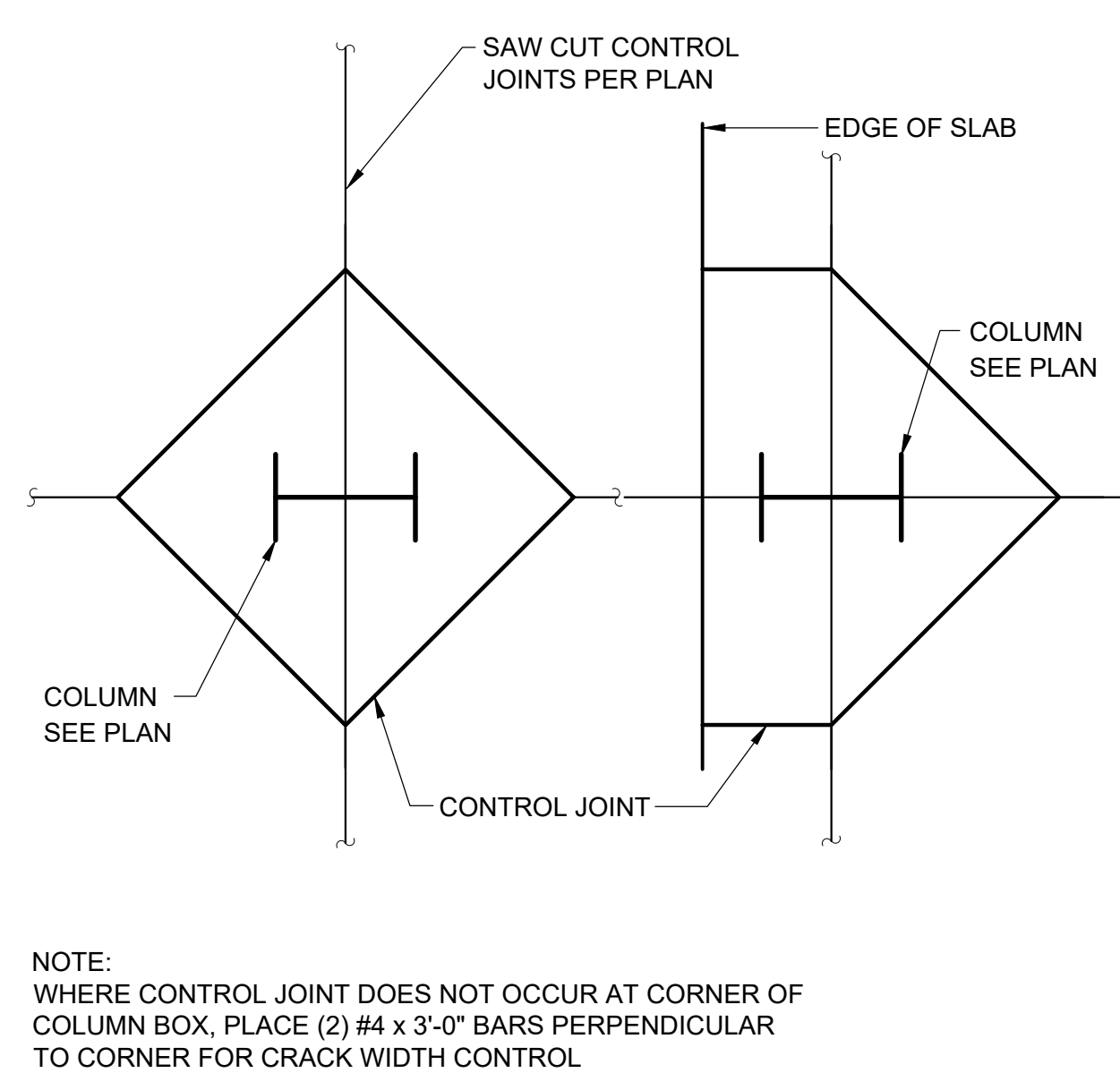
9 TYPICAL OPENING IN CMU STEM WALL
S0.4 / 3/4" = 1'-0"



10 METAL STUD DESIGNATIONS
S0.4 / 3/4" = 1'-0"



11 TYPICAL STUD TO TRACK FASTENING
S0.4 / 3/4" = 1'-0"



12 TYPICAL S.O.G. CRACK CONTROL AT COLUMNS
S0.4 / 3/4" = 1'-0"

GENERAL CONTRACTOR AND/OR METAL BUILDING MANUFACTURER SHALL PROVIDE PARTITION WALL DESIGN, HEADER, STUD, TRACK AND ALL ANCHORAGE SHALL BE INCLUDED IN SUBMITTED SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW, PRIOR TO CONSTRUCTION.

NOTE: WHERE CONTROL JOINT DOES NOT OCCUR AT CORNER OF COLUMN BOX, PLACE (2) #4 x 3'-0" BARS PERPENDICULAR TO CORNER FOR CRACK WIDTH CONTROL.

REVISIONS

1	7/5/2023 ADDENDUM #002

NOTES

DRAWN BY	JAR
REVIEWED BY	EDT
DATE	7/5/2023
PROJECT NO	#23-0003

NORTH SCALE

DRAWING NAME
TYPICAL DETAILS

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS / TESTING - "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS REQUIRED BY SECTION 109 OF THE IBC.

2. REPORTING FOR SPECIAL INSPECTION - SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO: CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.

3. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.

IN ACCORDANCE WITH IBC CHAPTER 17, THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTIONS AND TESTING:

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
Y	1. INSPECTION OF REINFORCING STEEL, INCLUDING PRE-STRESSING TENDONS AND PLACEMENT.	----	X
N	2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5b.	----	----
Y	3. INSPECT BOLTS AND ANCHOR PLATES WITH ATTACHED HEADED STUDS, OR REBAR TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	X	----
Y	4. VERIFYING USE OF REQUIRED DESIGN MIX.	----	X
Y	5. 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.	X	----
Y	6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	----
Y	7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	----	X
N	8. INSPECTION OF PRESTRESSED CONCRETE:		X
N	a. APPLICATION OF PRESTRESSING FORCES	X	----
N	b. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	X	----
N	9. ERECTION OF PRECAST (TILT UP PANELS) CONCRETE MEMBERS.	----	X
N	10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORING AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	----	X
Y	11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	----	X
Y	12. EPOXY ANCHORS AND EXPANSION ANCHORS WHERE CALLED FOR IN DRAWINGS.	----	X

SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
	1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:		
Y	a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	----	X
Y	b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	----	X
	2. INSPECTION OF HIGH-STRENGTH BOLTING:		
Y	a. BEARING TYPE CONNECTIONS.	----	X
Y	b. SLIP-CRITICAL CONNECTIONS.	X	----
	3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:		
Y	a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	----	----
Y	b. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	----	----
	4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
Y	a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	----	----
Y	b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	----	----
	5. INSPECTION OF WELDING:		
Y	a. STRUCTURAL STEEL:		
Y	1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	X	----
Y	2) MULTIPASS FILLET WELDS.	X	----
Y	3) SINGLE-PASS FILLET WELDS > 5/16"	X	----
Y	4) SINGLE-PASS FILLET WELDS < 5/16"	----	X
Y	5) FLOOR AND ROOF DECK WELDS.	----	X
	b. REINFORCING STEEL:		
N	1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	----	X
N	2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	X	----
N	3) SHEAR REINFORCEMENT.	X	----
Y	4) OTHER REINFORCING STEEL.	----	X
	6. INSPECTION OF STEEL FRAME JOINT DETAIL FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.		
Y	a. DETAILS SUCH AS BRACING AND STIFFENING.	----	X
Y	b. MEMBER LOCATIONS.	----	X
Y	c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	----	X

SPECIAL INSPECTION AND VERIFICATION OF COLD FORMED METAL FRAMING			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
Y	1. SEATING OF STUDS IN TRACK.	----	X
Y	2. WELDING OF ELEMENTS.	----	X
Y	3. SCREW ATTACHMENTS, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS.	----	X
Y	4. STEEL STUD BRIDGING SPACING AND END ATTACHMENT.	----	X
Y	5. WELDED CONNECTIONS ARE TOUCHED UP WITH PAINT.	----	X
Y	6. VERIFY STRUCTURAL STUD SIZE, DEPTH, AND GAGE.	----	X

SPECIAL INSPECTION OF WIND FORCE RESISTING SYSTEMS			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
N	1. WOOD STRUCTURE PANEL SHEATHING, NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, NAIL OR STAPLE DIAMETER AND LENGTH, NUMBER OF FASTENER LINES, AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS AGREES WITH THE APPROVED BUILDING PLANS.	----	X

SPECIAL INSPECTION OF SEISMIC FORCE RESISTING SYSTEMS (REQUIRED WHEN SDC = C, D, E OR F) AND DESIGNATED SEISMIC SYSTEMS (REQUIRED WHEN SDC=D,E OR F)			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
	1. STRUCTURAL STEEL:		
N	a. STRUCTURAL WELDING REQUIRED BY AISC 341	X	----
	2. STRUCTURAL WOOD:		
N	a. FIELD GLUING OPERATIONS OF ELEMENTS IN SEISMIC-FORCE-RESISTING SYSTEM.	X	----
N	b. NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD DOWNS. <small>(ENGINEERS NOTE: SEE SECTIONS 1707.3 AND 1705.3 EXCEPTION.)</small>	----	X
	3. COLD-FORMED STEEL FRAMING:		
N	a. WELDING OF ELEMENTS IN SEISMIC-FORCE RESISTANCE	----	X
N	b. SCREW ATTACHMENTS, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM.	----	X
	4. PIER FOUNDATIONS:		
N	a. PLACEMENT OF REINFORCING STEEL	----	X
N	b. PLACEMENT OF CONCRETE	X	----
	5. STORAGE RACKS AND ACCESS FLOORS:		
N	a. ANCHORAGE	----	X

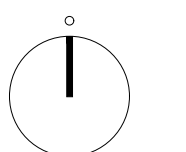
STRUCTURAL TESTING FOR SEISMIC RESISTANCE			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
N	1. VERIFICATION OF F _m AND F _{uac} BY UNIT STRENGTH METHOD FOR ENGINEERED MASONRY IN OCCUPANCY CATEGORY I, II, OR III.	----	X
N	2. VERIFICATION OF F _m AND F _{uac} BY UNIT STRENGTH METHOD PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SQUARE FEET PLACED DURING CONSTRUCTION AND VERIFICATION OF PROPORTIONS OF MATERIALS IN MORTAR AND GROUT AS DELIVERED TO THE JOB SITE FOR ENGINEERED MASONRY IN OCCUPANCY CATEGORY IV.	----	X
N	3. REINFORCING AND PRESTRESSING STEEL CERTIFIED MILL TEST REPORTS SHALL BE PROVIDED FOR EACH SHIPMENT OF REINFORCING STEEL.	----	X
N	4. STRUCTURAL STEEL	AS REQUIRED BY AISC 341	AS REQUIRED BY AISC 341
N	5. STRUCTURAL WELDING OF BASE METAL THICKER THAN 1/2 INCHES.	X	----



7/5/2023

REVISIONS	
1	7/5/2023, ADDENDUM #002
NOTES	
DRAWN BY	JAR
REVIEWED BY	EDT
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PROJECT NO	#23-0003

NORTH - SCALE



DRAWING NAME
SPECIAL INSPECTIONS TABLES

S0.5



7/5/2023

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

- SPECIAL INSPECTIONS / TESTING -
"SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS REQUIRED BY SECTION 109 OF THE IBC.
 - REPORTING FOR SPECIAL INSPECTION -
SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO: CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.
 - SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.
- IN ACCORDANCE WITH IBC CHAPTER 17, THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTIONS AND TESTING:

SPECIAL INSPECTION AND VERIFICATION OF SOILS			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
Y	1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	----	X
Y	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	----	X
Y	3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	----	X
Y	4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	----
Y	5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	----	X

SPECIAL INSPECTION AND VERIFICATION OF PIER FOUNDATIONS			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
N	1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PIER.	X	----
N	2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PIER DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTH, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY.	X	----
N	3. FOR CONCRETE PIERS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.4 AND THE CONCRETE SPECIAL INSPECTION TABLES.	----	----
N	4. FOR MASONRY PIERS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.5 AND THE MASONRY SPECIAL INSPECTION TABLES.	----	----

SPECIAL INSPECTION AND VERIFICATION OF MASONRY - LEVEL #1			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
	1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
Y	a. PROPORTIONS OF SITE-PREPARED MORTAR.	----	X
Y	b. CONSTRUCTION OF MORTAR JOINTS.	----	X
Y	c. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	----	X
N	d. PRESTRESSING TECHNIQUE	----	X
N	e. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	----	X
	2. THE INSPECTION PROGRAM SHALL VERIFY:		
Y	a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	----	X
Y	b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	----	X
Y	c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT	----	X
Y	d. WELDING OF REINFORCING BARS.	X	----
Y	e. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)	----	X
N	f. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCES.	----	X
	3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
Y	a. GROUT SPACE IS CLEAN.	----	X
Y	b. PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.	----	X
N	c. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	----	X
Y	d. CONSTRUCTION OF MORTAR JOINTS.	----	X
Y	e. INSPECTION OF REINFORCING BAR LAPS.	----	X
Y	4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	X	----
N	a. GROUTING OF PRESTRESSING BONDED TENDONS	X	----
Y	5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	X	----
Y	6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	----	X
	7. HIGH LIFT GROUTING:		
Y	a. GROUT PLACEMENT.	X	----
Y	b. CELL PERIMETER TO INSURE EXCESS GROUT HAS BEEN REMOVED FROM INSIDE OF CELLS.	----	X

SPECIAL INSPECTION AND VERIFICATION OF PILE FOUNDATIONS			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
N	1. VERIFY PILE MATERIAL, SIZES AND LENGTH COMPLY WITH THE REQUIREMENTS.	X	----
N	2. DETERMINE CAPACITIES OF TEST PILES AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.	X	----
N	3. OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PILE.	X	----
N	4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY PILE DAMAGE.	X	----
N	5. FOR STEEL PILES, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.3.	----	----
N	6. FOR CONCRETE PILES AND CONCRETE-FILLED PILES, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.4.	----	----
N	7. FOR SPECIALTY PILES, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.	----	----
N	8. FOR AUGURED UNCASED PILES AND CAISSON PILES, PERFORM INSPECTIONS IN ACCORDANCE WITH SECTION 1704.9.	----	----

SPECIAL INSPECTION AND VERIFICATION OF MASONRY - LEVEL #2			
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
	1. FROM THE BEGINNING OF MASONRY CONSTRUCTION, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
N	a. PROPORTIONS OF SITE-PREPARED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	----	X
N	b. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS.	----	X
N	c. PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.	----	X
N	d. GROUT SPACE PRIOR TO GROUTING.	X	----
N	e. PLACEMENT OF GROUT.	X	----
N	f. PLACEMENT OF PRESTRESSING GROUT.	X	----
	2. THE INSPECTION PROGRAM SHALL VERIFY:		
N	a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	----	X
N	b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	X	----
N	c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT	----	X
N	d. WELDING OF REINFORCING BARS.	X	----
N	e. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)	----	X
N	f. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCES.	X	----
N	g. INSPECTION OF REINFORCING BAR LAPS.	----	X
N	3. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	X	----
N	4. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	----	X
	5. HIGH LIFT GROUTING:		
N	a. GROUT PLACEMENT.	X	----
N	b. CELL PERIMETER TO INSURE EXCESS GROUT HAS BEEN REMOVED FROM INSIDE OF CELLS.	----	X

REVISIONS

1	7/5/2023	ADDENDUM #002

NOTES

DRAWN BY: JAR
REVIEWED BY: EDT
DATE: 7/5/2023
PROJECT NO: #23-0003

NORTH - SCALE



CURRY COUNTY
LIVESTOCK PAVILION

1900 E BRADY AVE. CLOVIS, NM 88101
100% CONSTRUCTION DOCUMENTS

7/5/2023

GENERAL SHEET NOTES

A. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS, SINKS, AND TROUGHS IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE

REFERENCE KEYNOTES

LEGEND

REVISIONS

1	7/5/2023	ADDENDUM #002

NOTES

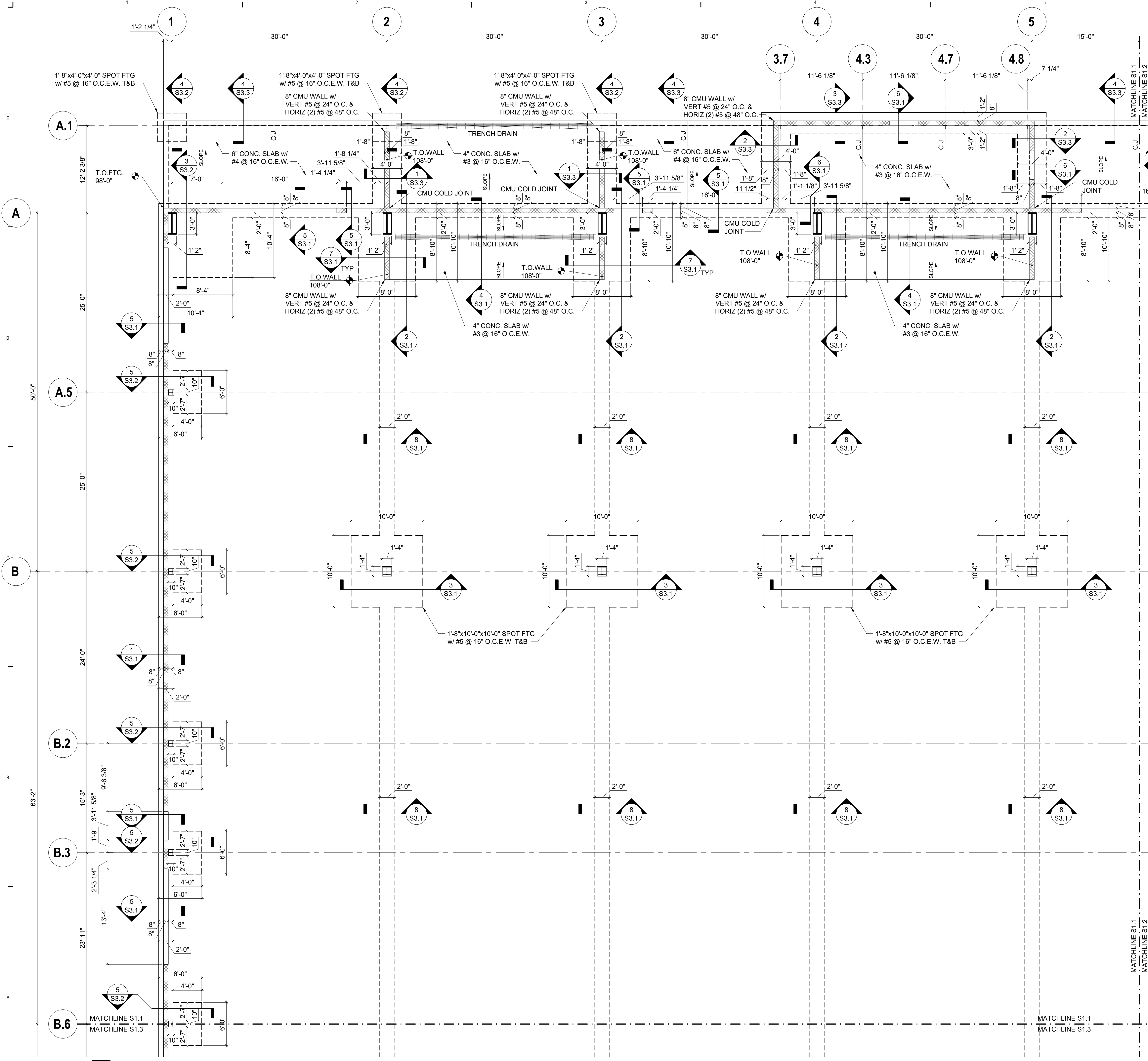
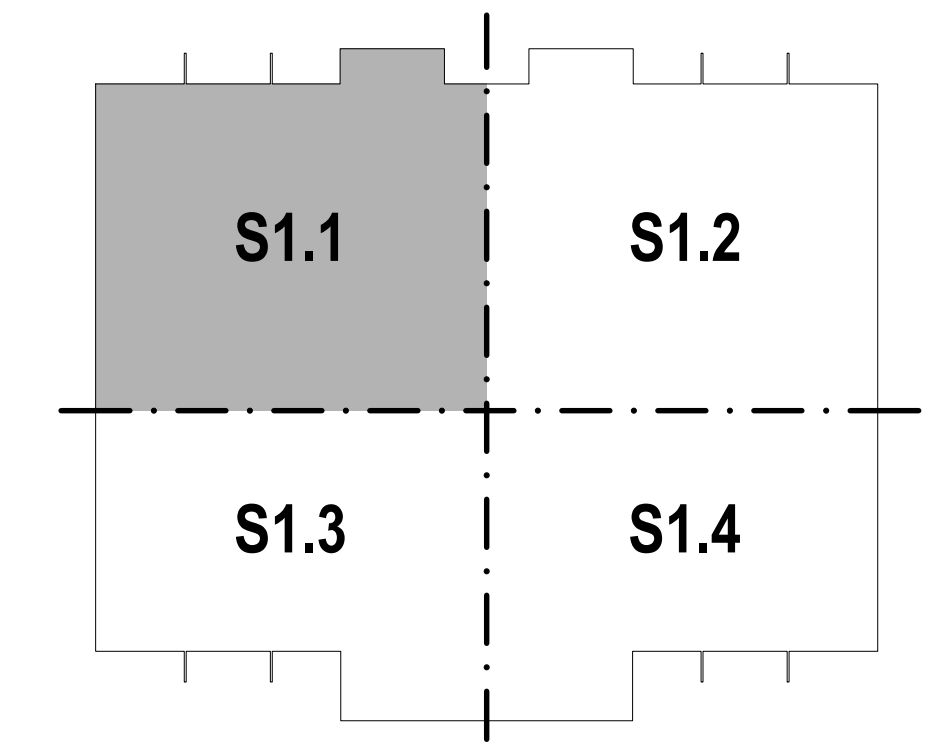
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NORTH - SCALE

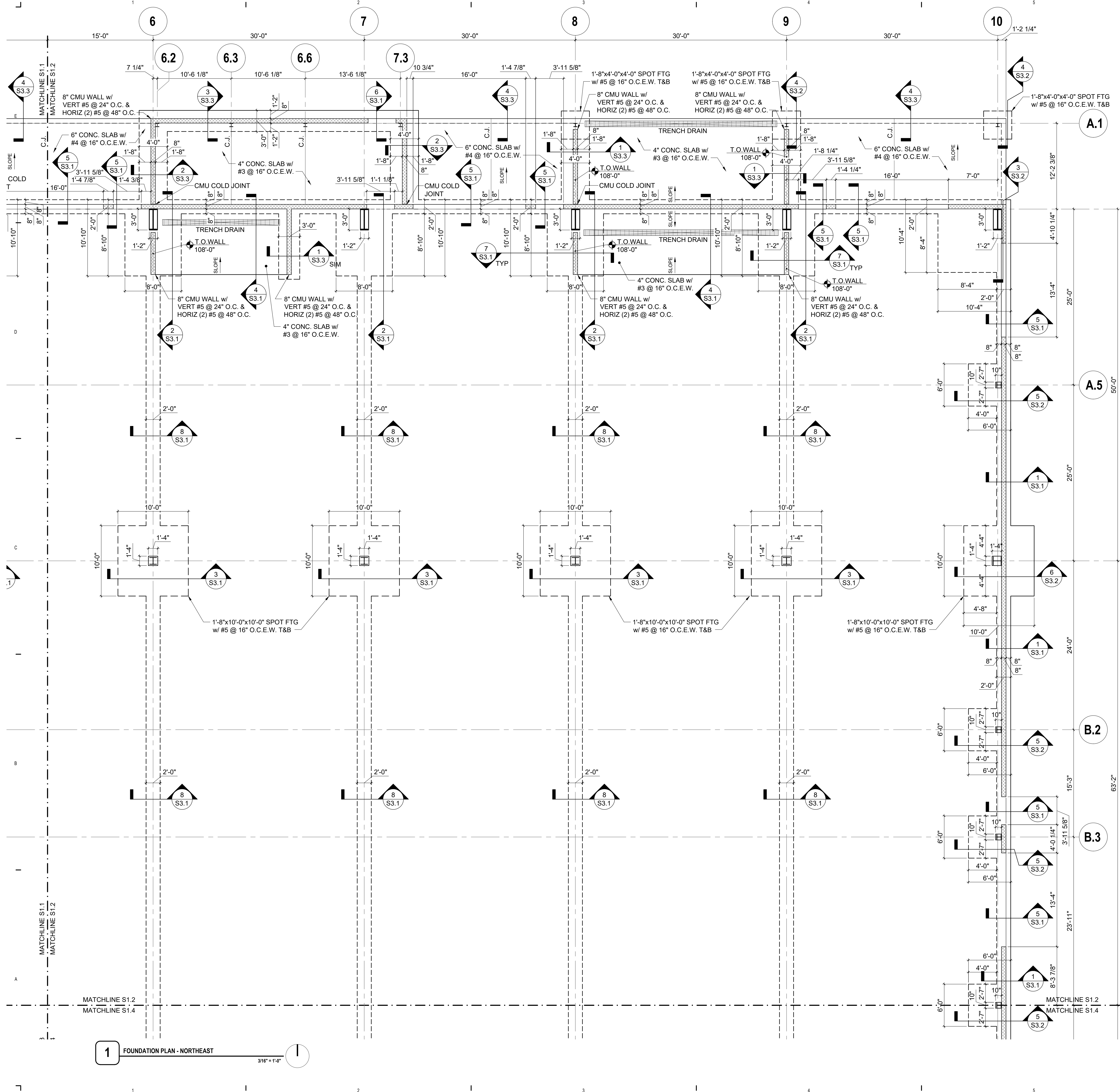
DRAWING NAME
FOUNDATION PLAN NORTHWEST

S1.1

KEY PLAN



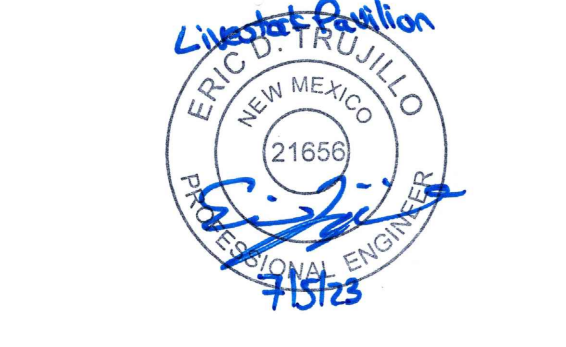
1 FOUNDATION PLAN - NORTHWEST
3/16" = 1'-0"



GENERAL SHEET NOTES
 A. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS, SINKS, AND TROUGHES IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE
 B. METAL BUILDING MANUFACTURER SHALL PROVIDE DESIGN TO ALLOW FOR THE BUILDING TO BE EXPANDED AT THE EXTERIOR WALL ALONG GRID 10.



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REFERENCE KEYNOTES

LEGEND

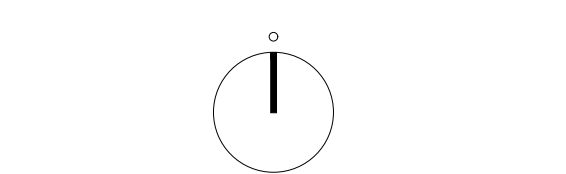
CURRY COUNTY
LIVESTOCK PAVILION
 1900 E BRADY AVE. CLOVIS, NM 88101
 100% CONSTRUCTION DOCUMENTS

7/5/2023

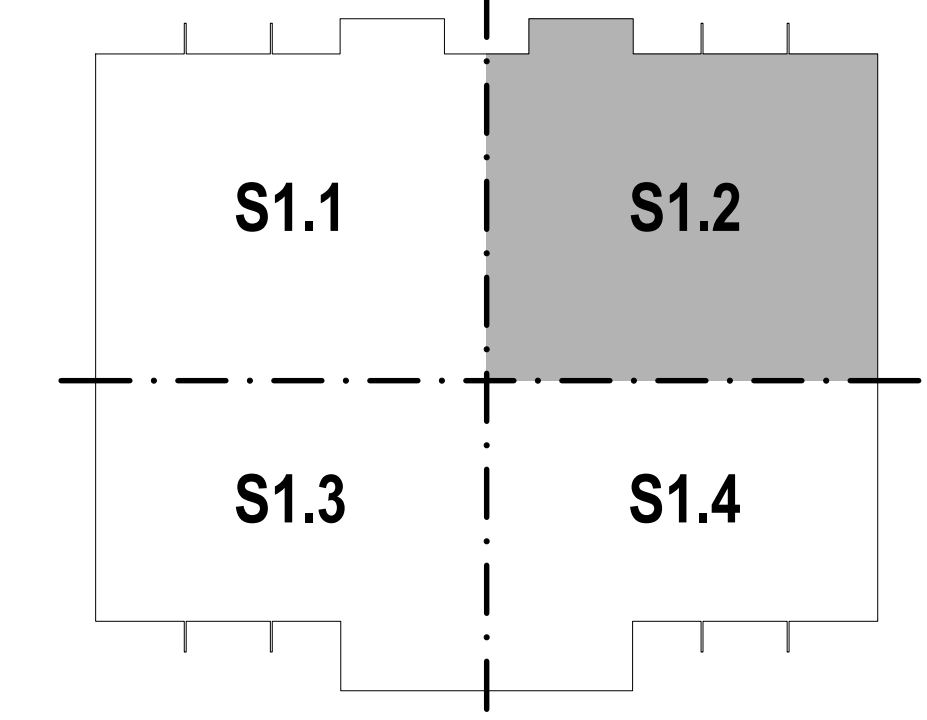
REVISIONS	
1	7/5/2023, ADDENDUM #002

NOTES	

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 PROJECT NO: #23-0003



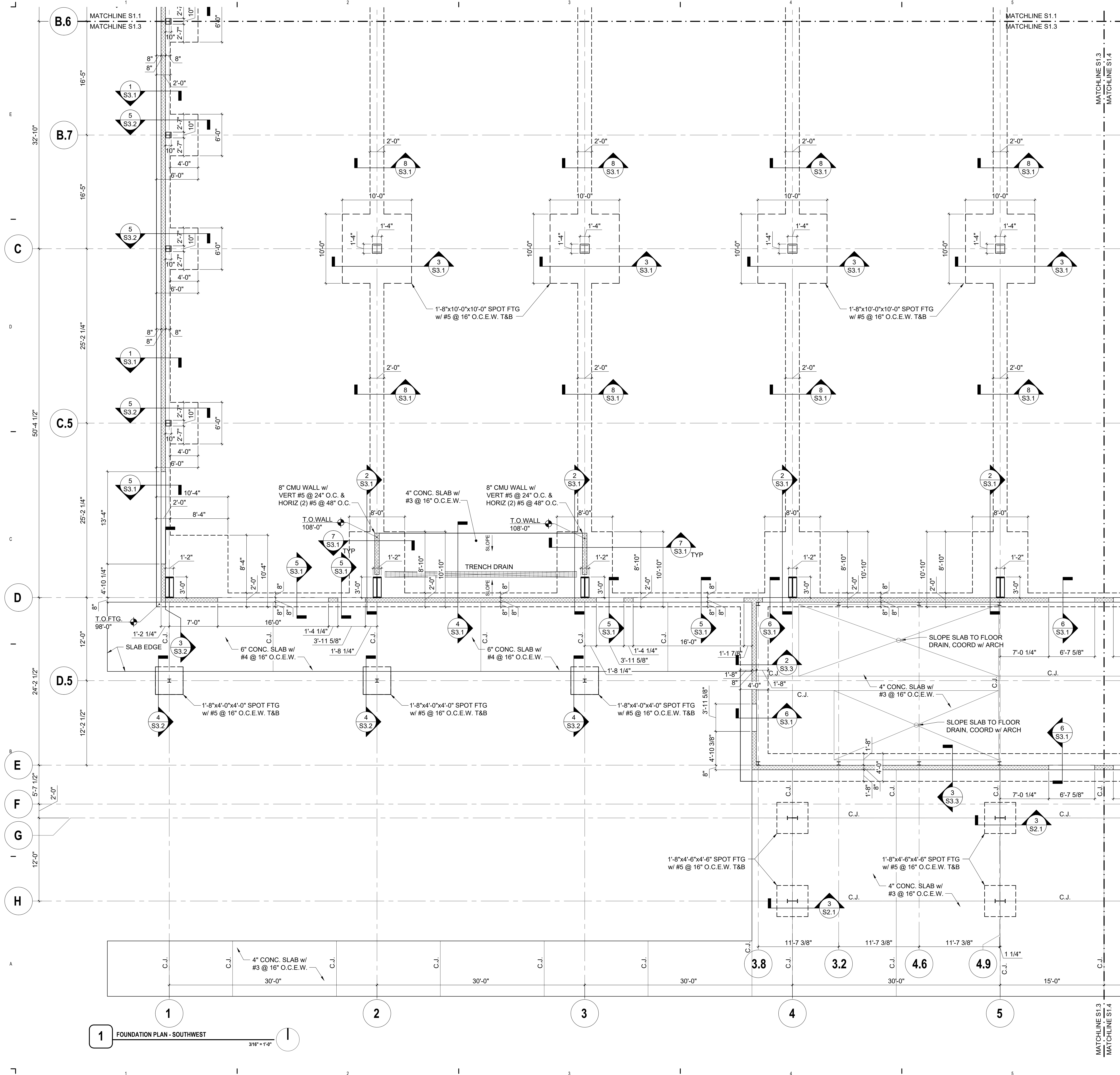
KEY PLAN



DRAWING NAME
FOUNDATION PLAN
NORTHEAST

S1.2

1 FOUNDATION PLAN - NORTHEAST
 3/16" = 1'-0"

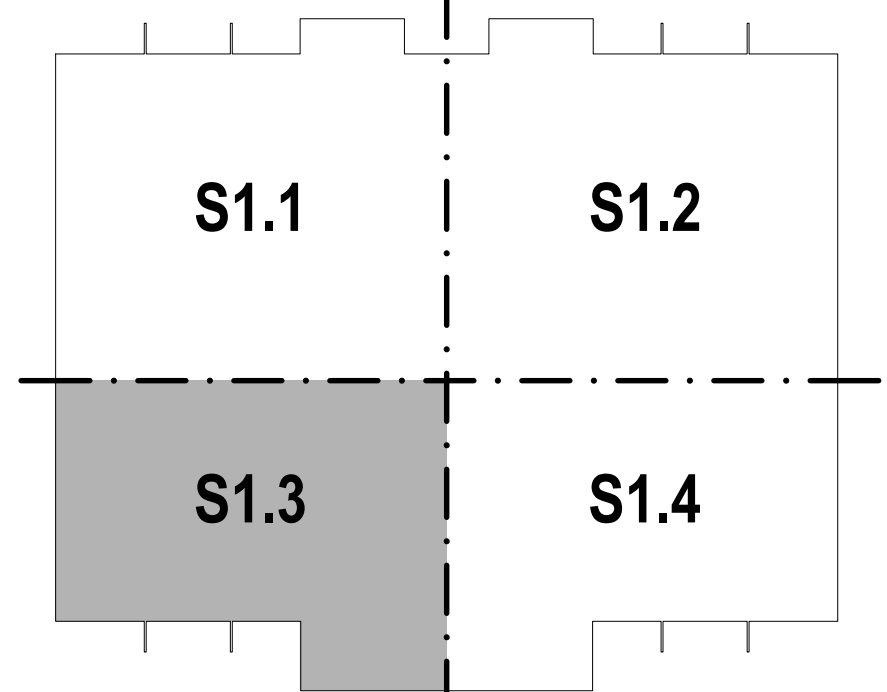


GENERAL SHEET NOTES
 A. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS, SINKS, AND TROUGHS IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE

REFERENCE KEYNOTES

LEGEND

KEY PLAN



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CURRY COUNTY
 LIVESTOCK PAVILION

1900 E BRADY AVE. CLOVIS, NM 88101
 100% CONSTRUCTION DOCUMENTS

7/5/2023

REVISIONS

1	7/5/2023, ADDENDUM #002

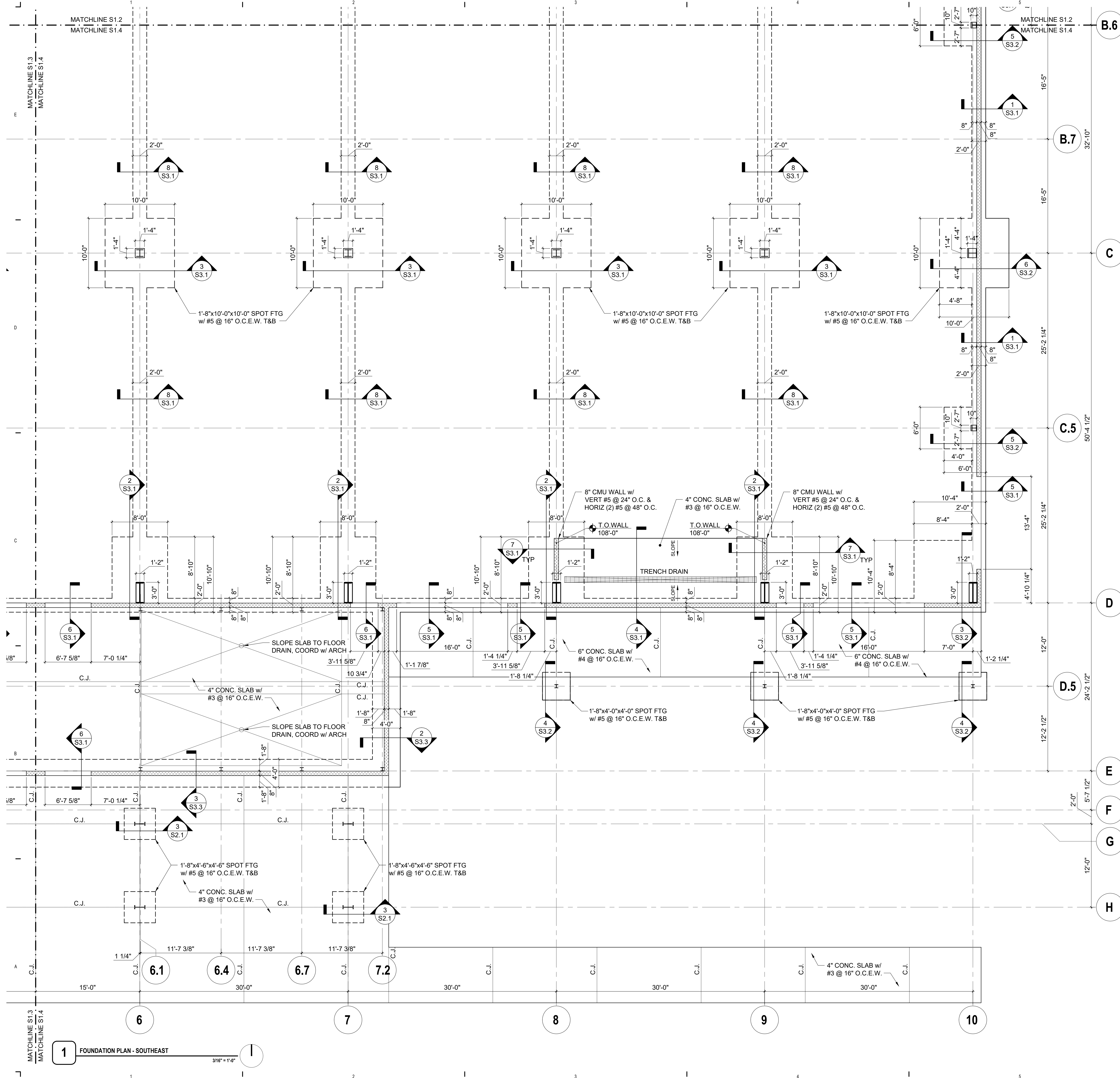
NOTES

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DATE	7/5/2023
PROJECT NO	#23-0003

NORTH - SCALE

DRAWING NAME
FOUNDATION PLAN
 SOUTHWEST

S1.3



GENERAL SHEET NOTES

A. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS, SINKS, AND TROUGHS IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE

B. METAL BUILDING MANUFACTURER SHALL PROVIDE DESIGN TO ALLOW FOR THE BUILDING TO BE EXPANDED AT THE EXTERIOR WALL ALONG GRID 10.

REFERENCE KEYNOTES

LEGEND

CURRY COUNTY LIVESTOCK PAVILION

1900 E BRADY AVE. CLOVIS, NM 88101

100% CONSTRUCTION DOCUMENTS

7/5/2023

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Curry County
NEW MEXICO
21656
7/5/23

CURRY COUNTY
LIVESTOCK PAVILION

REVISIONS

1	7/5/2023	ADDENDUM #002

NOTES

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NORTH SCALE

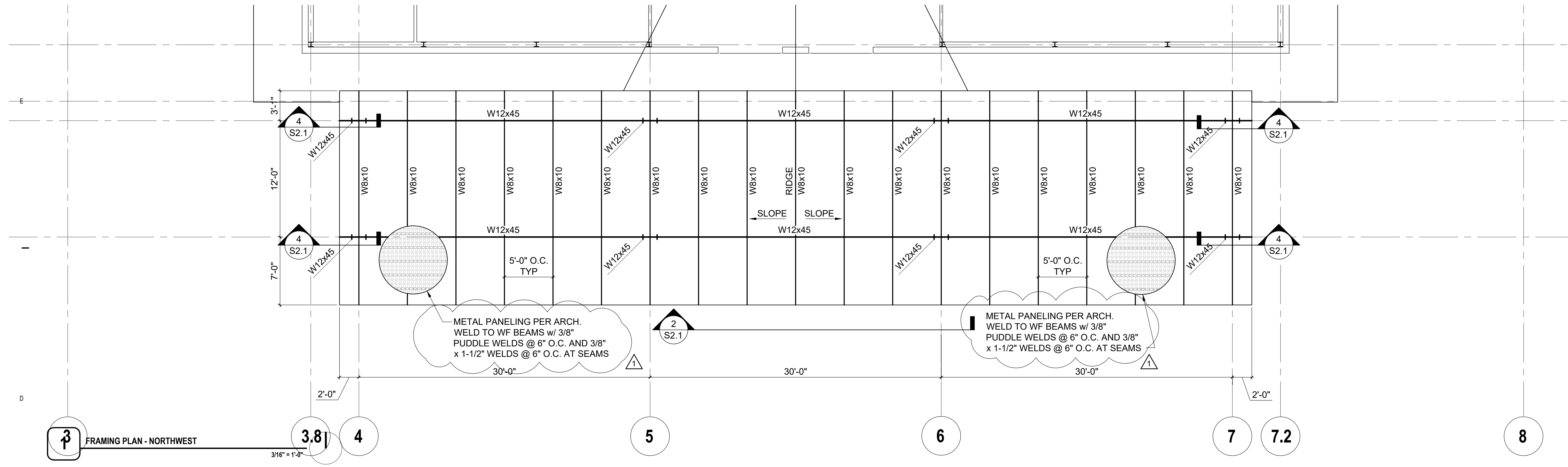
KEY PLAN

The key plan shows a 2x2 grid of sheets. Sheet S1.4 is highlighted in the bottom-right corner. A north arrow is located to the right of the key plan.

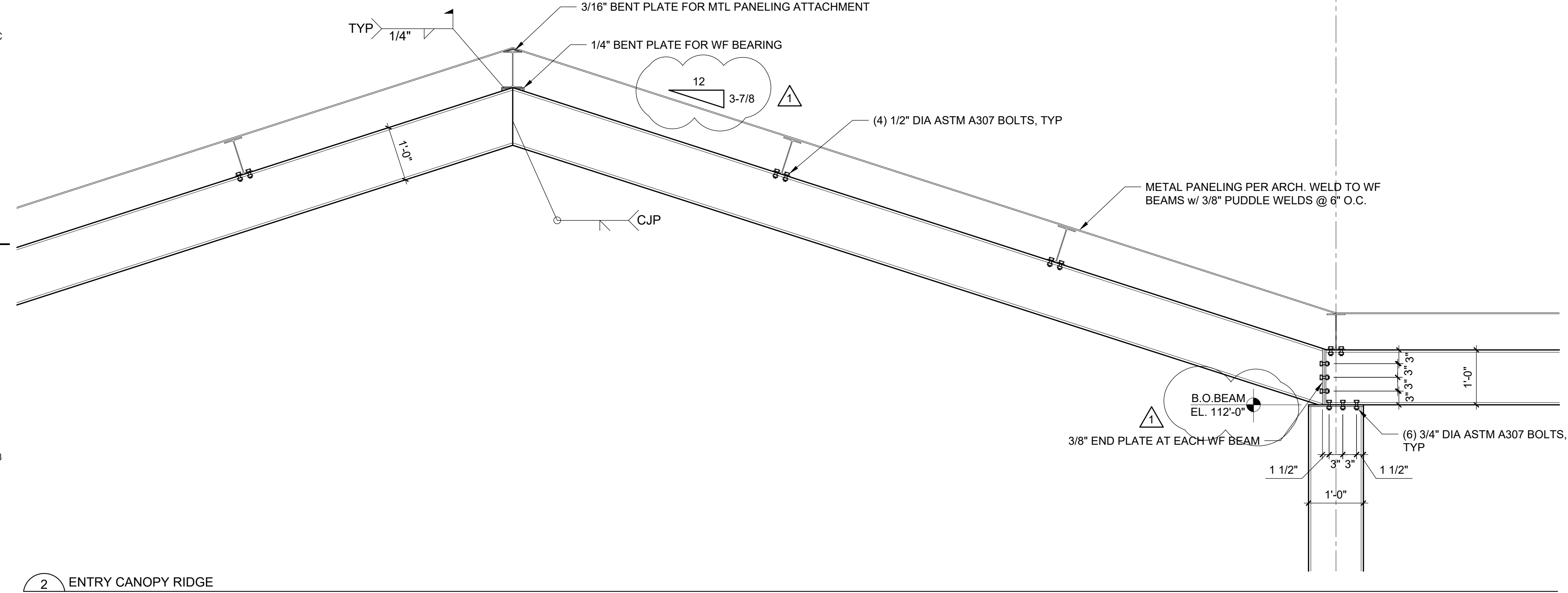
1 FOUNDATION PLAN - SOUTHEAST

3/16" = 1'-0"

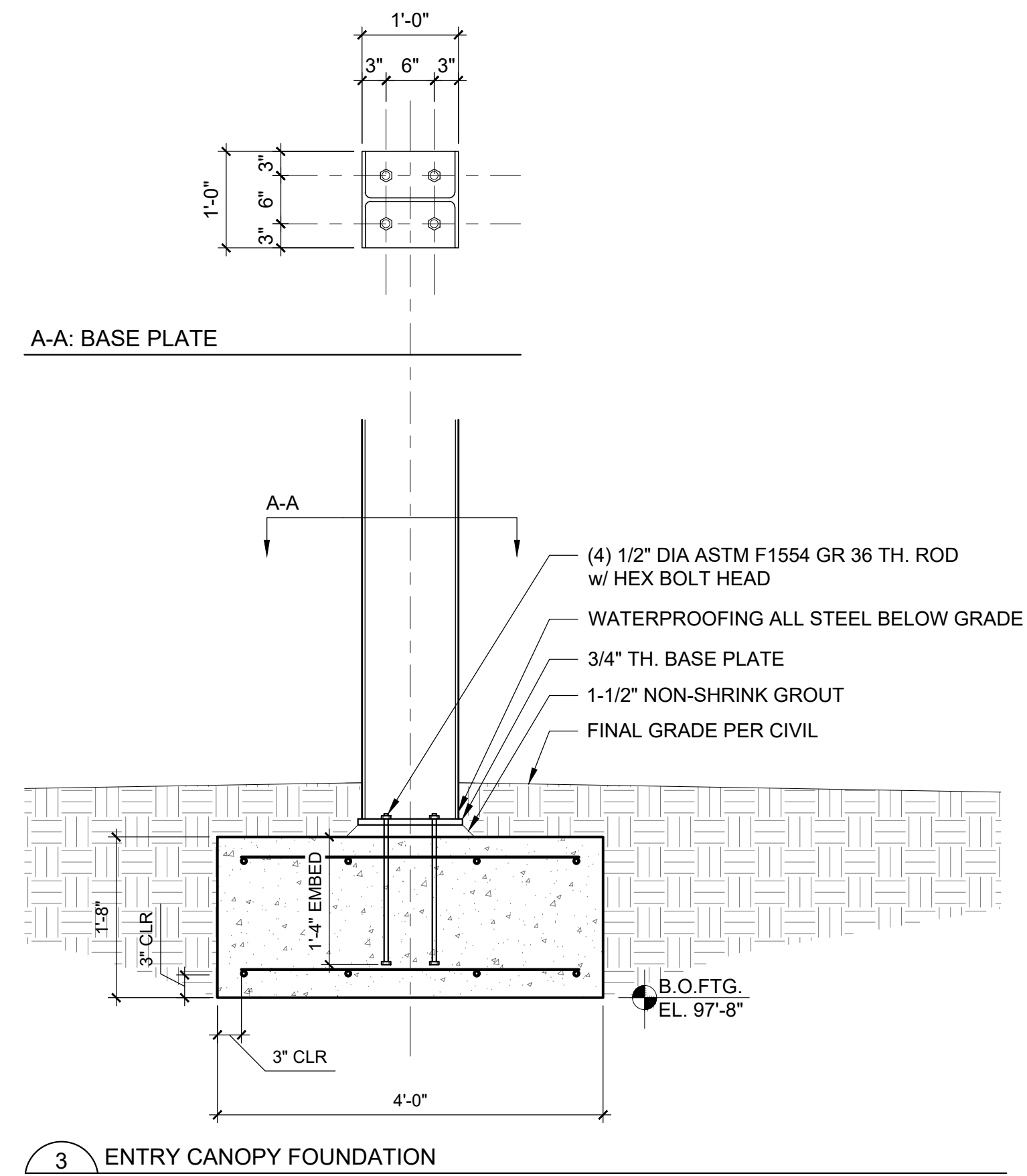
S1.4



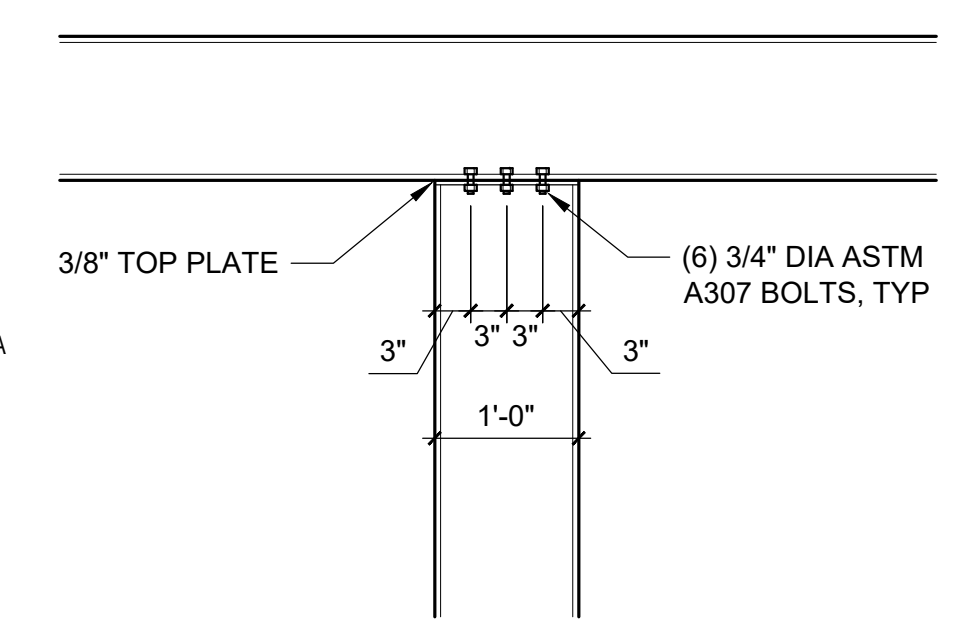
FRAMING PLAN - NORTHWEST



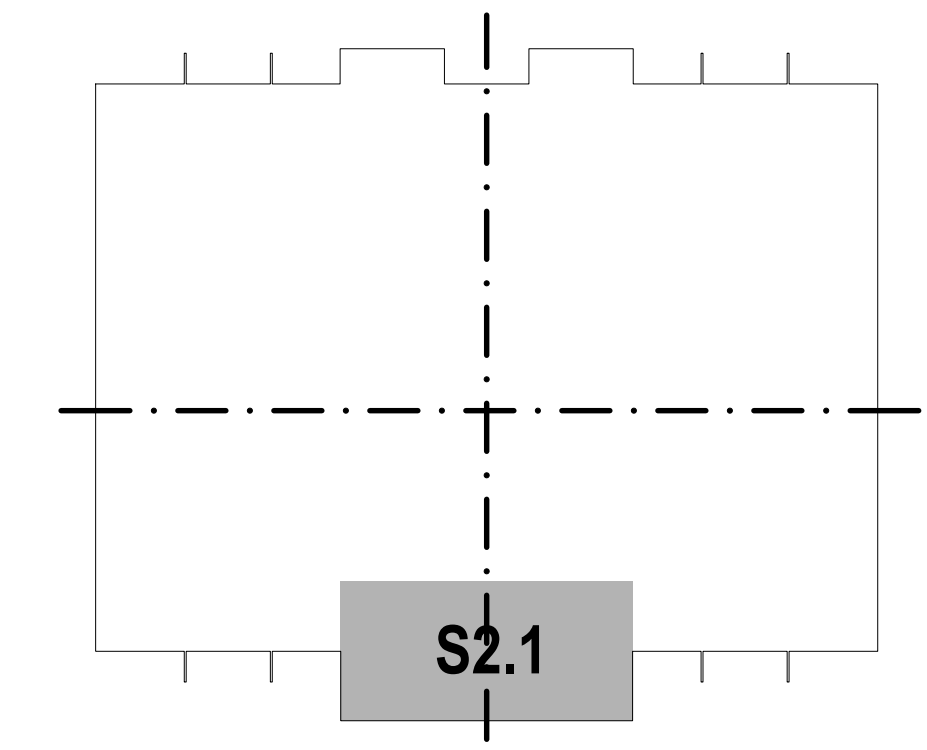
ENTRY CANOPY RIDGE



ENTRY CANOPY FOUNDATION



BEAM TO COLUMN CONNECTION



7/5/2023

REVISIONS

1	7/5/2023	ADDENDUM #002

NOTES

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DATE: 7/5/2023
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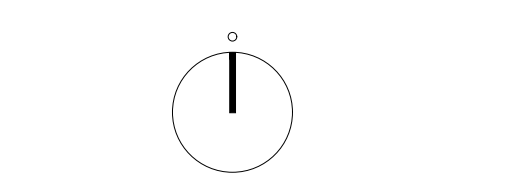
REVISIONS

1	7/5/2023 ADDENDUM #002

NOTES

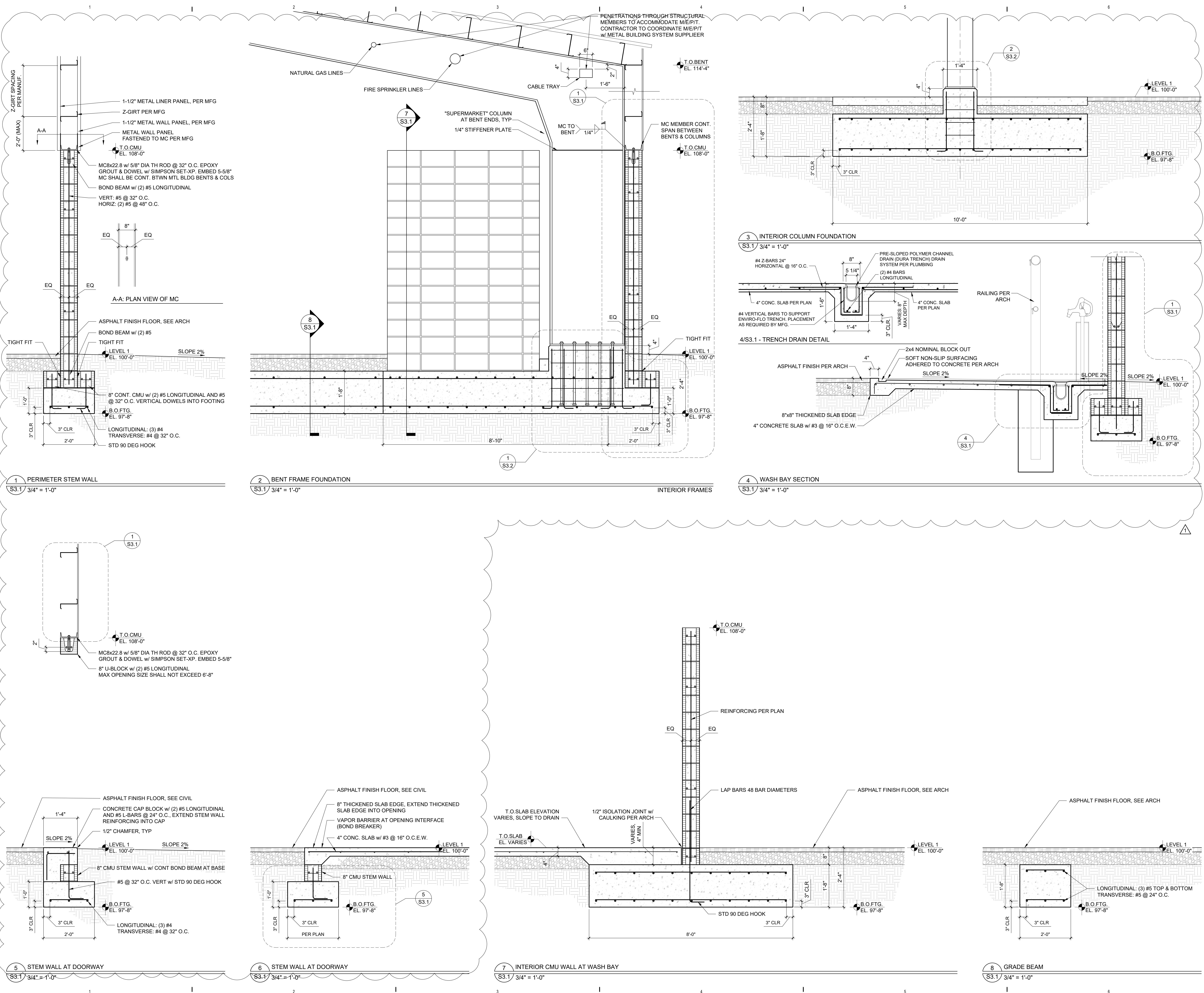
DRAWN BY JAR
REVIEWED BY EDT
DATE 7/5/2023
PROJECT NO #23-0003

NORTH - SCALE



DRAWING NAME
FOUNDATION DETAILS

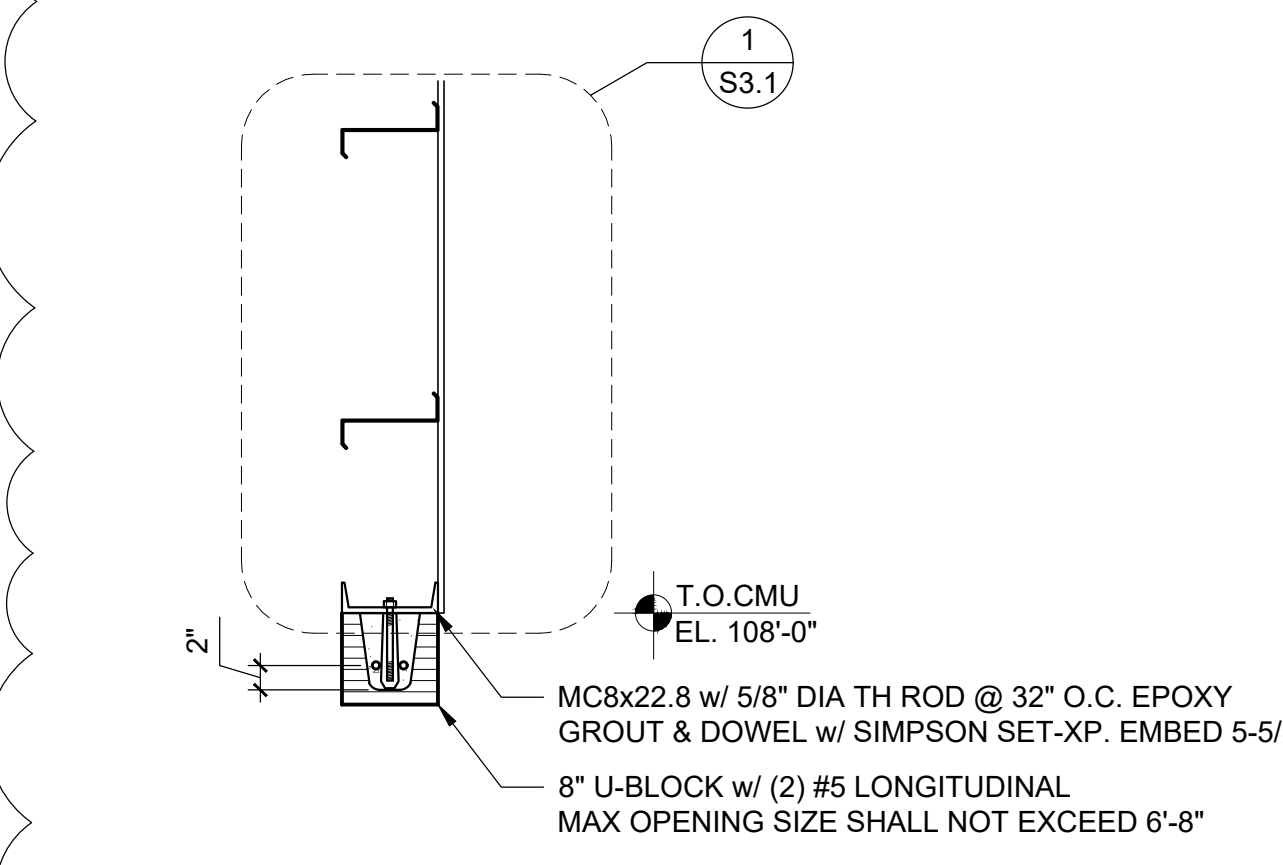
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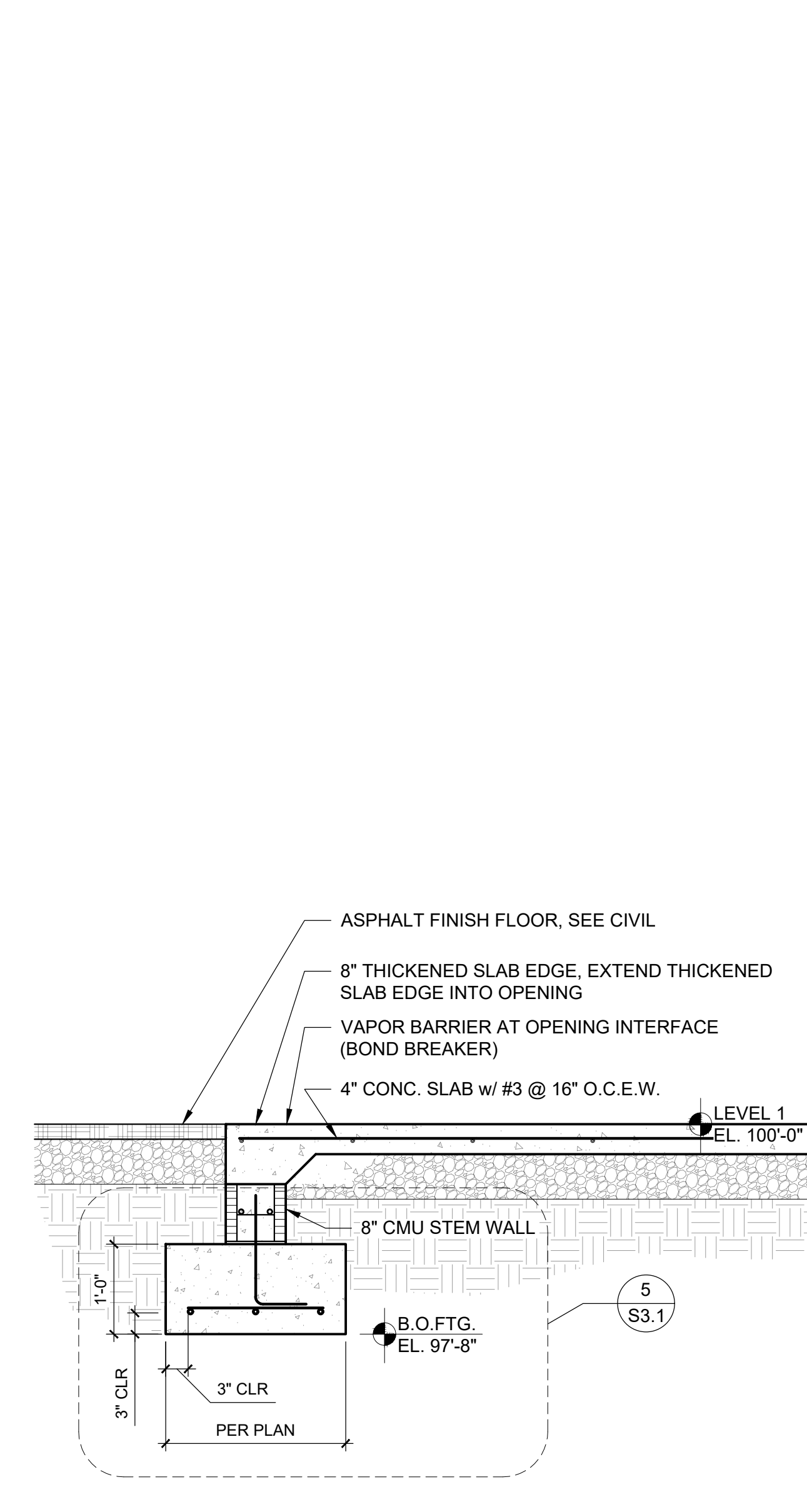
1 PERIMETER STEM WALL
S3.1 / 3/4" = 1'-0"

2 BENT FRAME FOUNDATION
S3.1 / 3/4" = 1'-0"

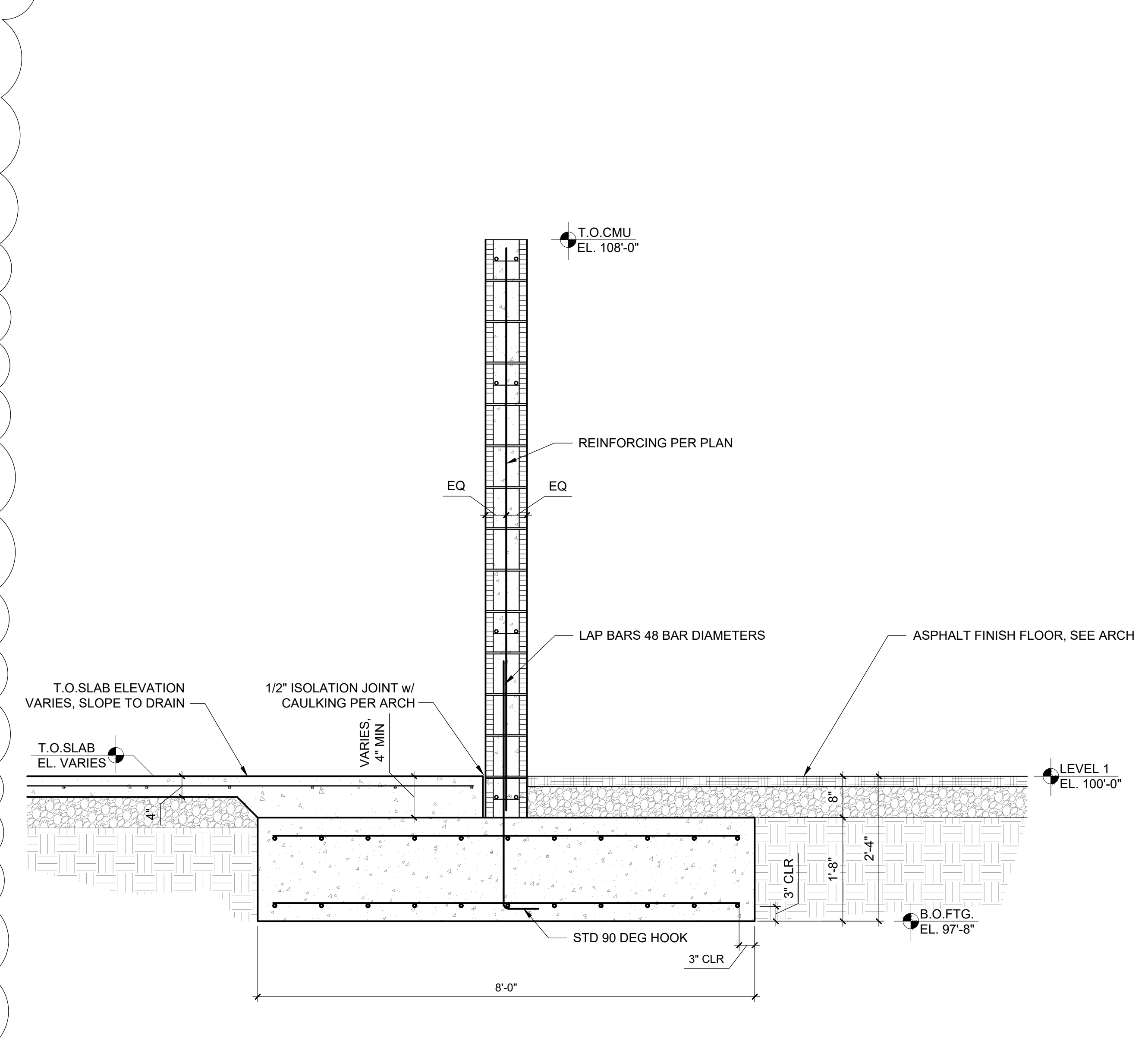
3 INTERIOR COLUMN FOUNDATION
S3.1 / 3/4" = 1'-0"



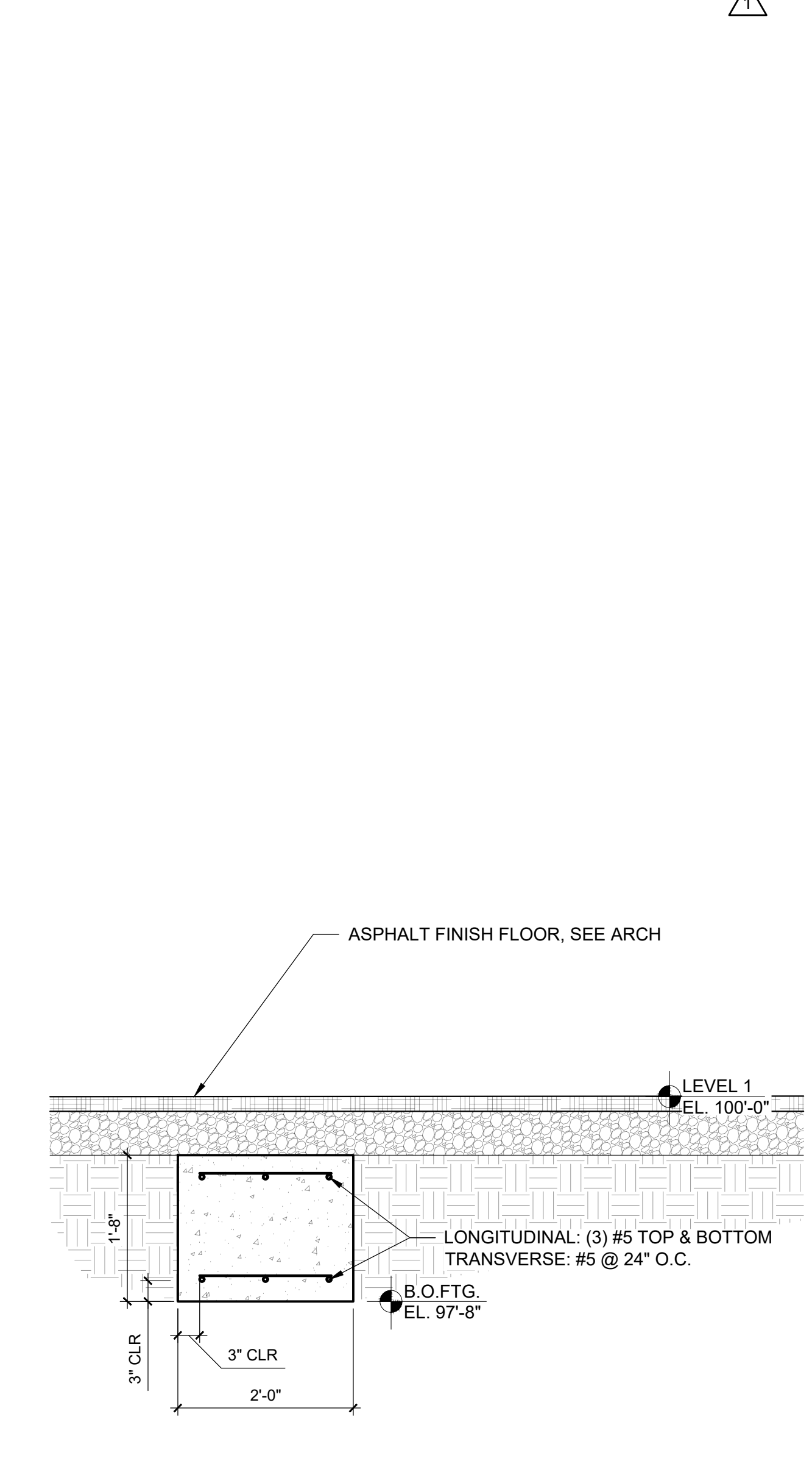
5 STEM WALL AT DOORWAY
S3.1 / 3/4" = 1'-0"



6 STEM WALL AT DOORWAY
S3.1 / 3/4" = 1'-0"



7 INTERIOR CMU WALL AT WASH BAY
S3.1 / 3/4" = 1'-0"



8 GRADE BEAM
S3.1 / 3/4" = 1'-0"



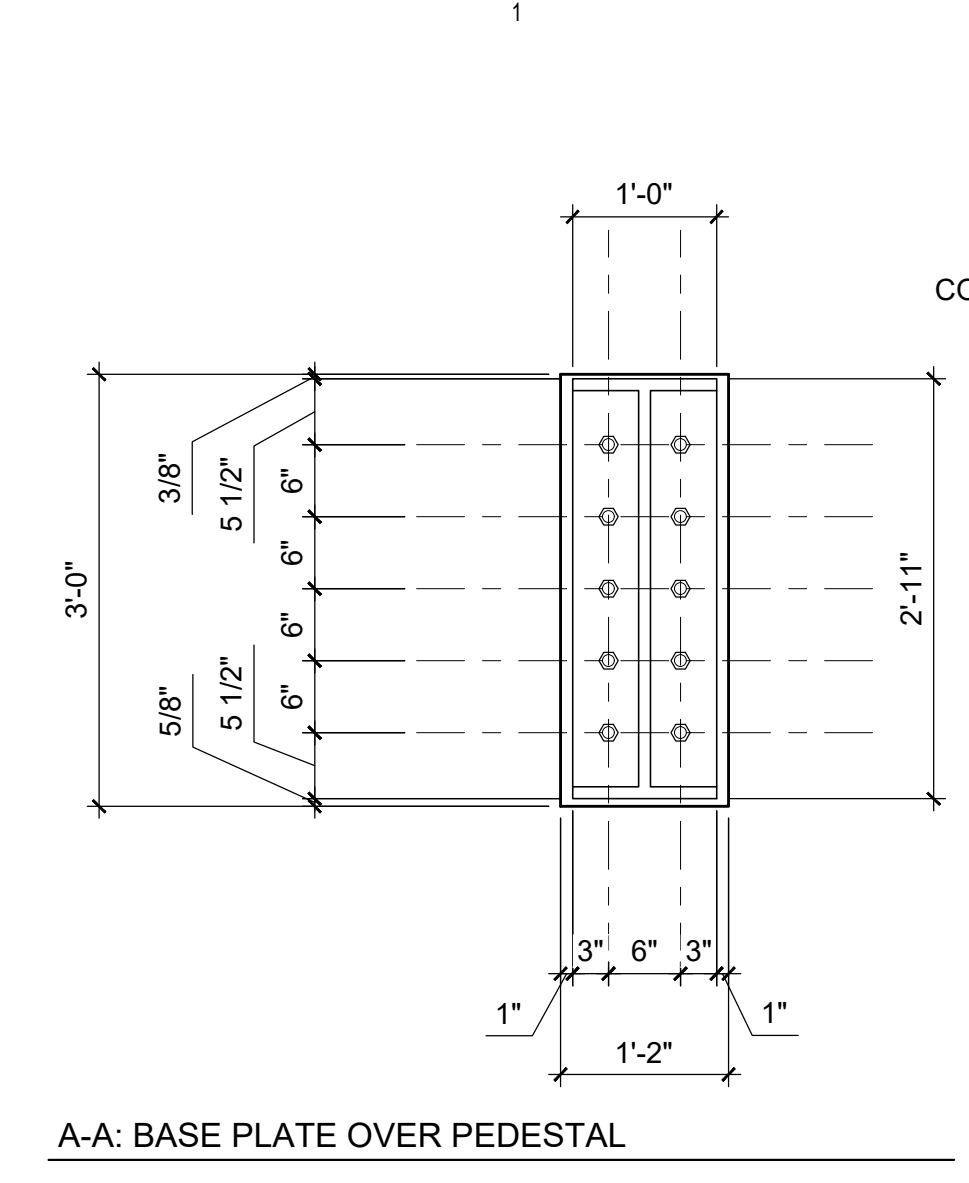
7/5/2023

REVISIONS	
1	7/5/2023, ADDENDUM #002

NOTES	

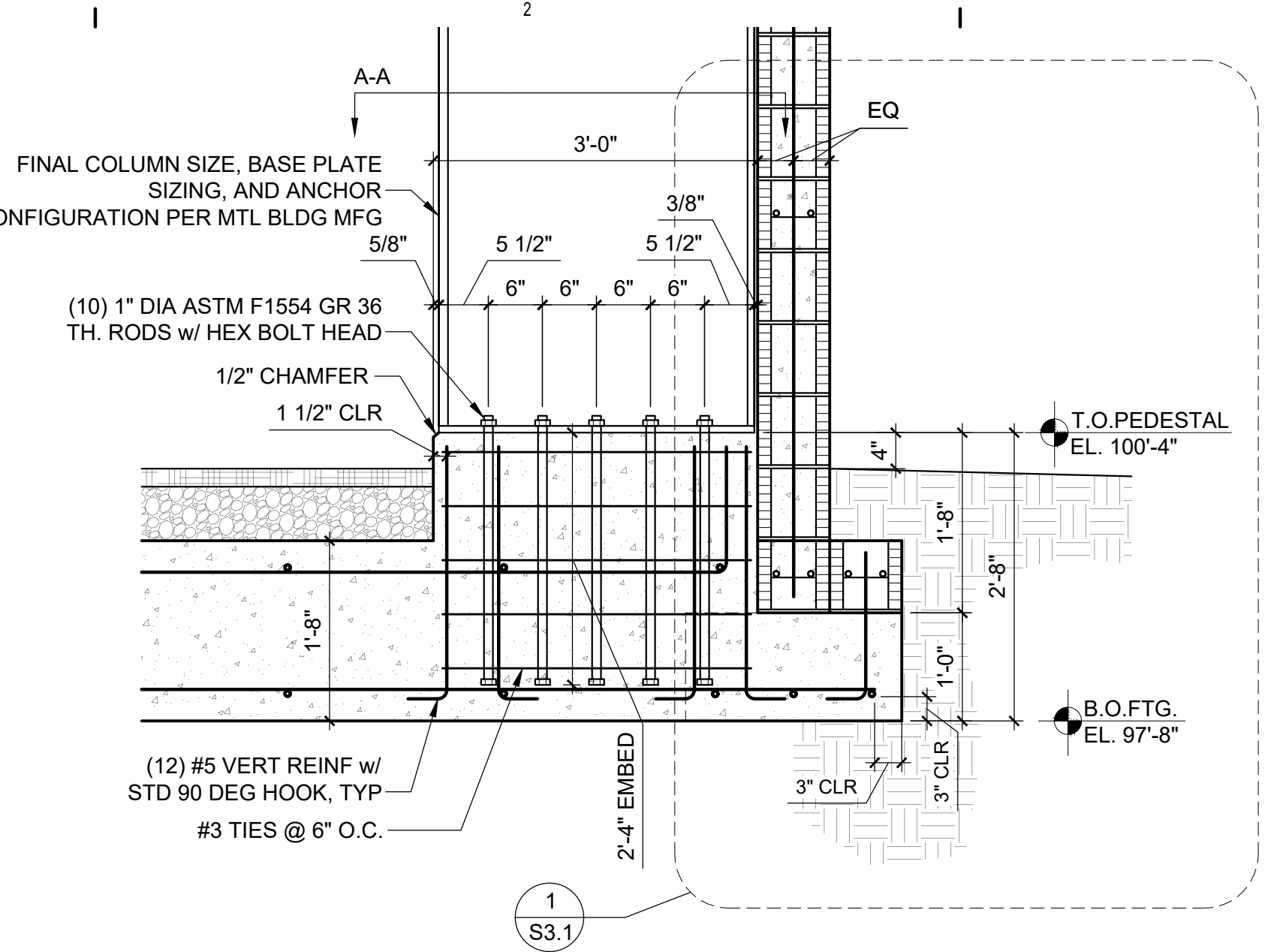
DRAWING NAME
FOUNDATION DETAILS

S3.2



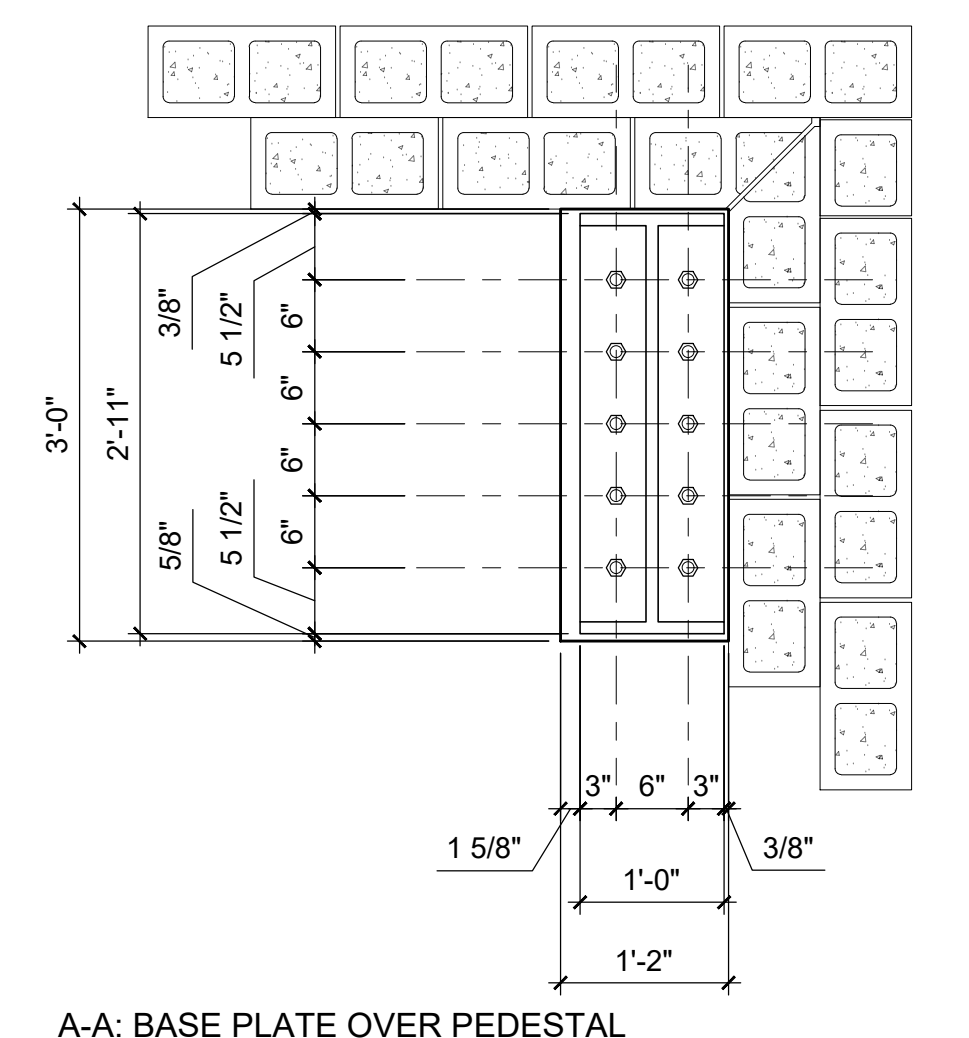
A-A: BASE PLATE OVER PEDESTAL

1 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"



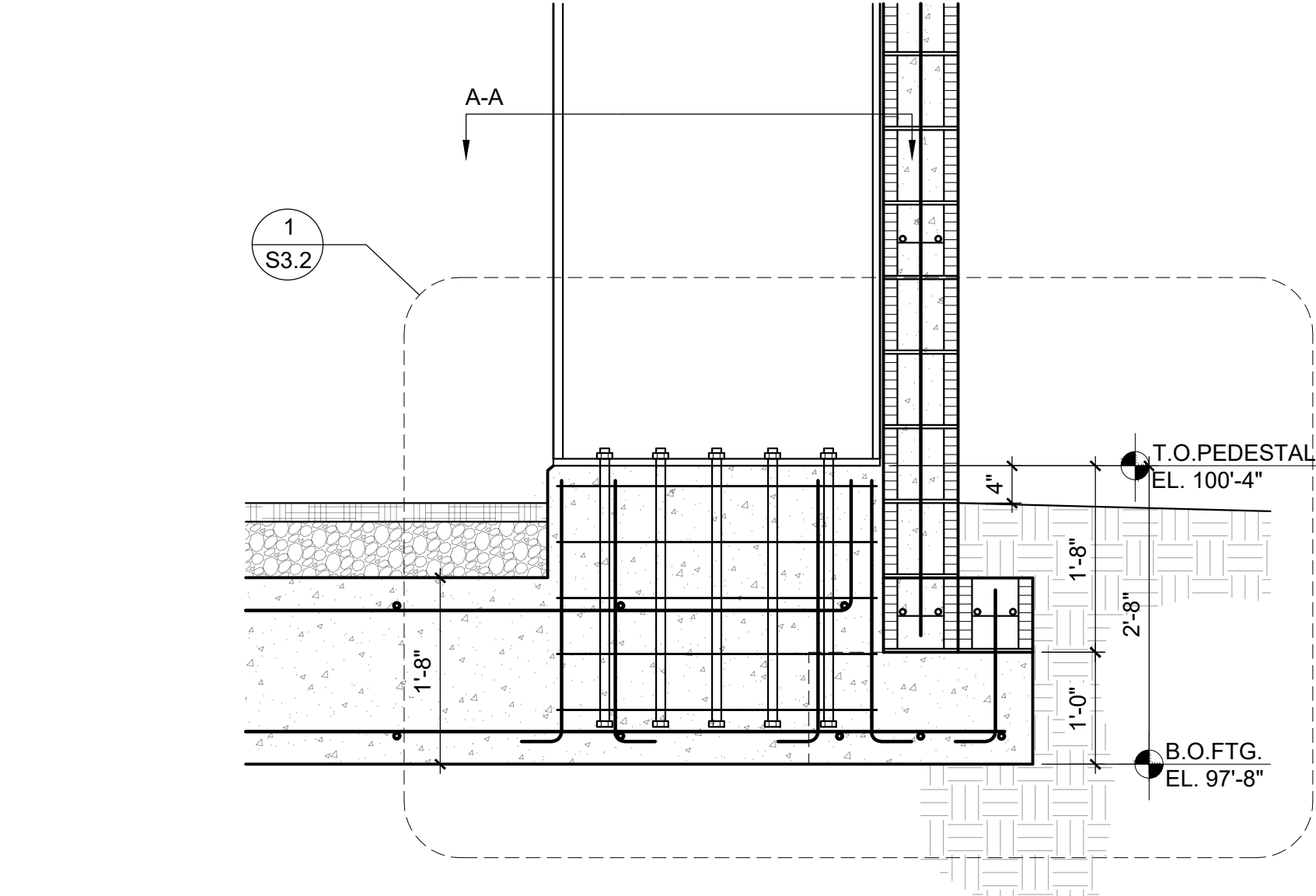
A-A: BASE PLATE OVER PEDESTAL

1 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"



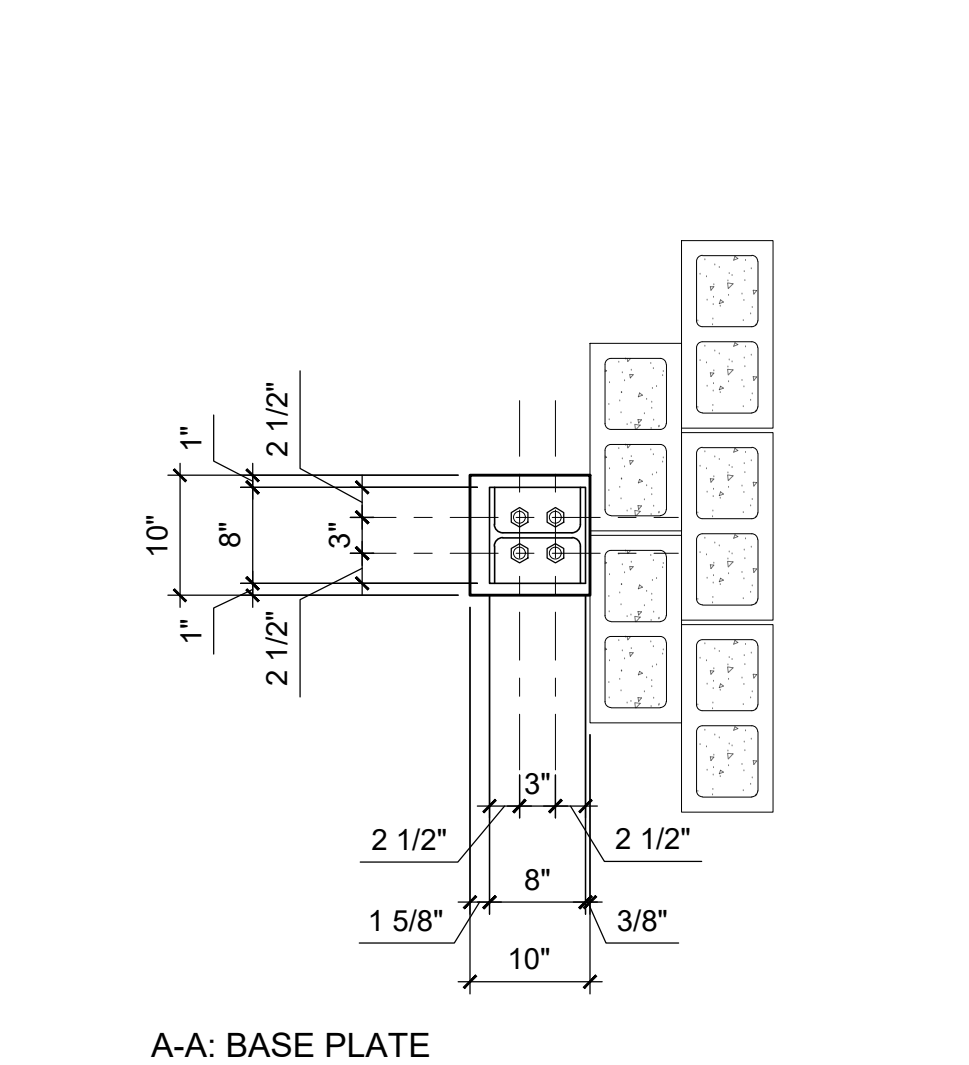
A-A: BASE PLATE OVER PEDESTAL

3 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"



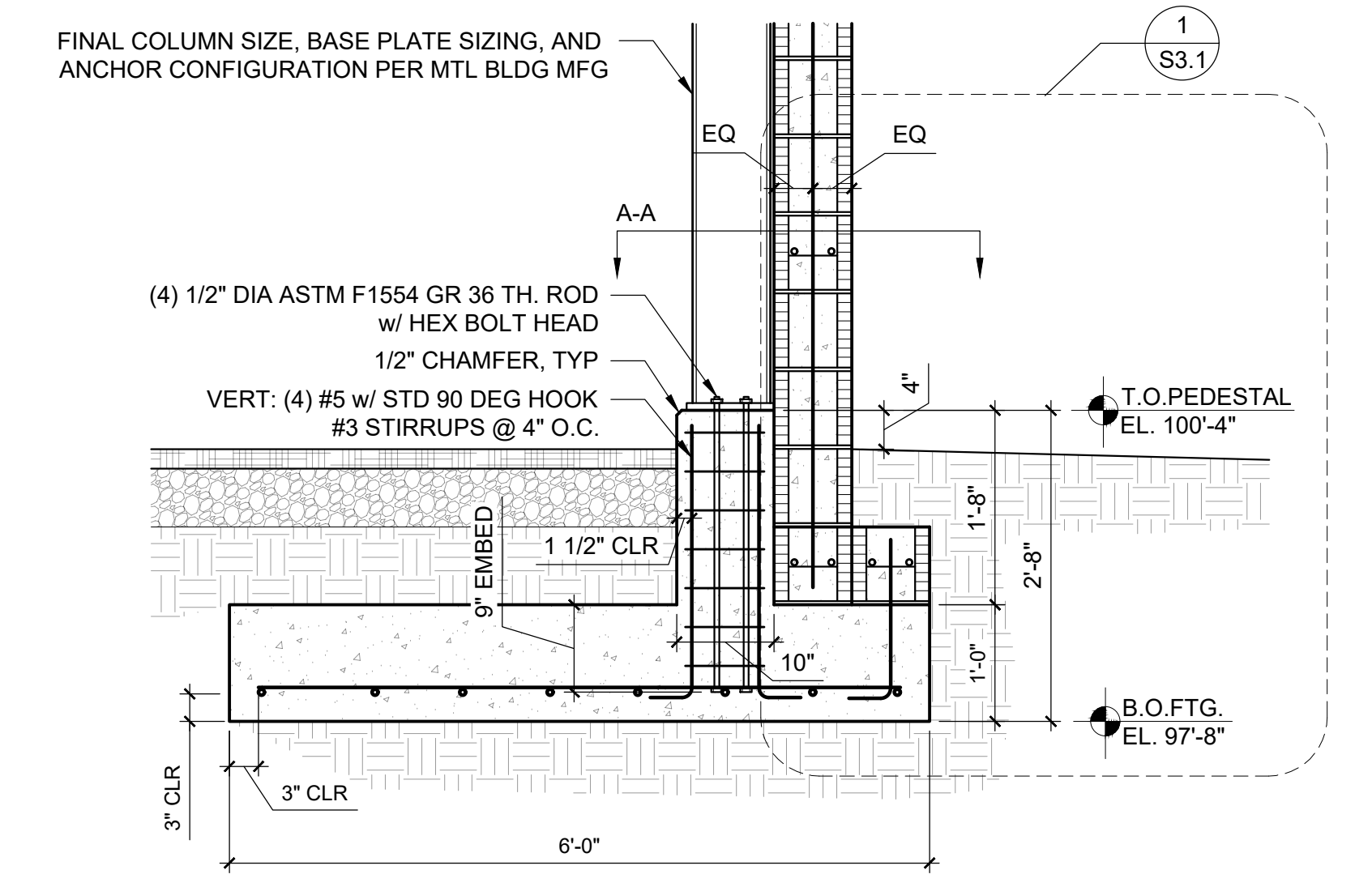
A-A: BASE PLATE OVER PEDESTAL

3 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"



A-A: BASE PLATE

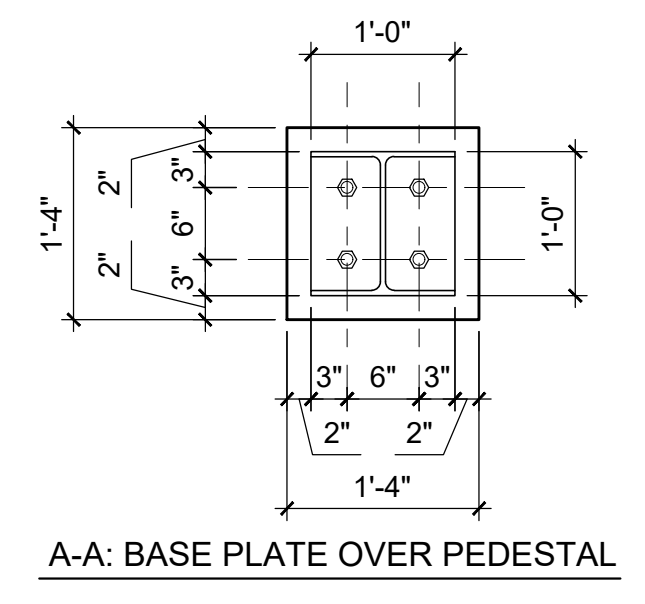
5 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"



A-A: BASE PLATE OVER PEDESTAL

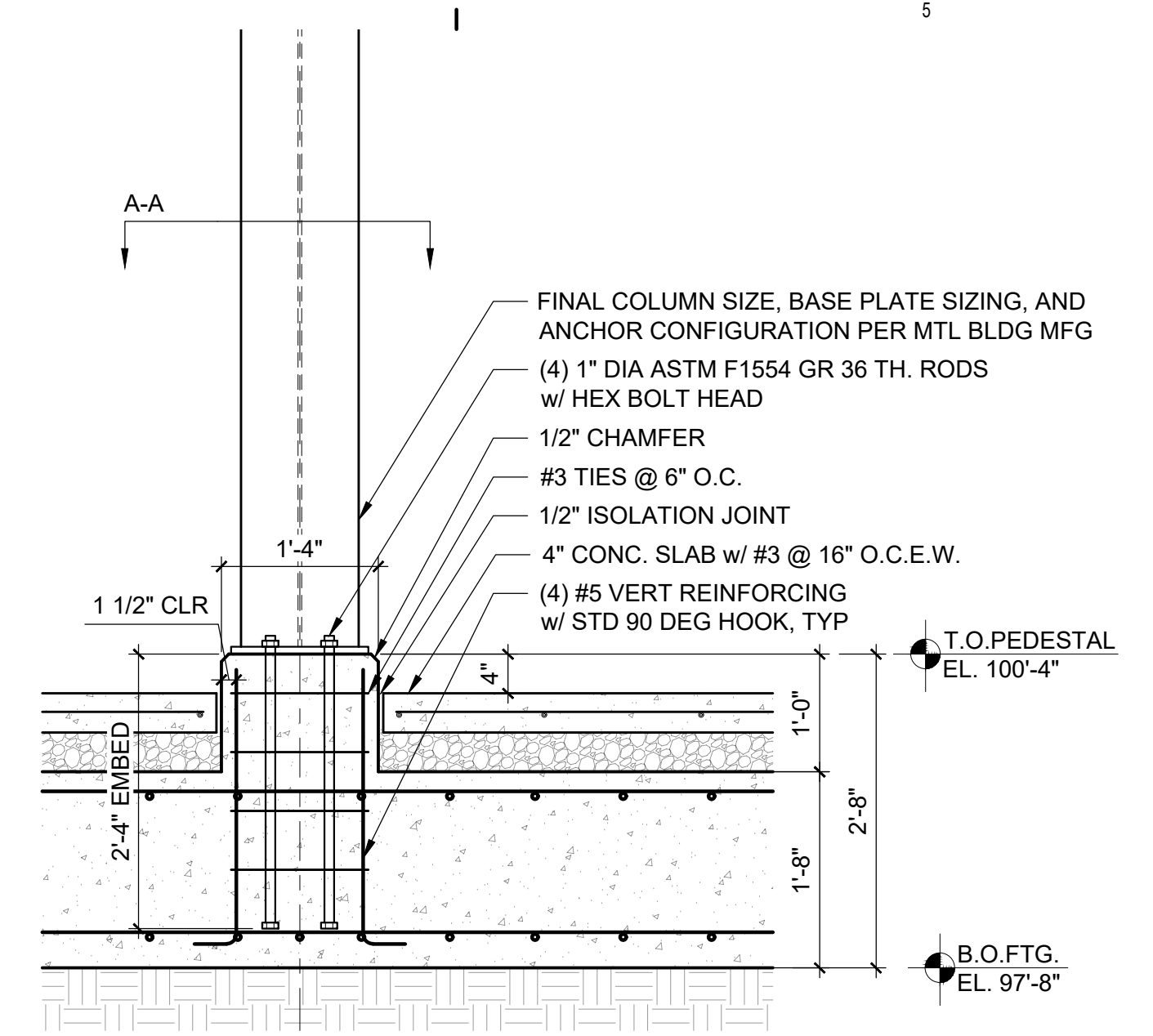
5 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

GABLE END BENTS



A-A: BASE PLATE OVER PEDESTAL

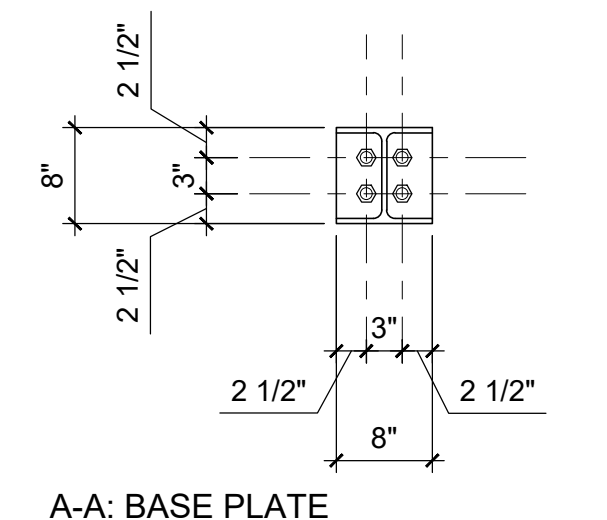
2 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"



A-A: BASE PLATE OVER PEDESTAL

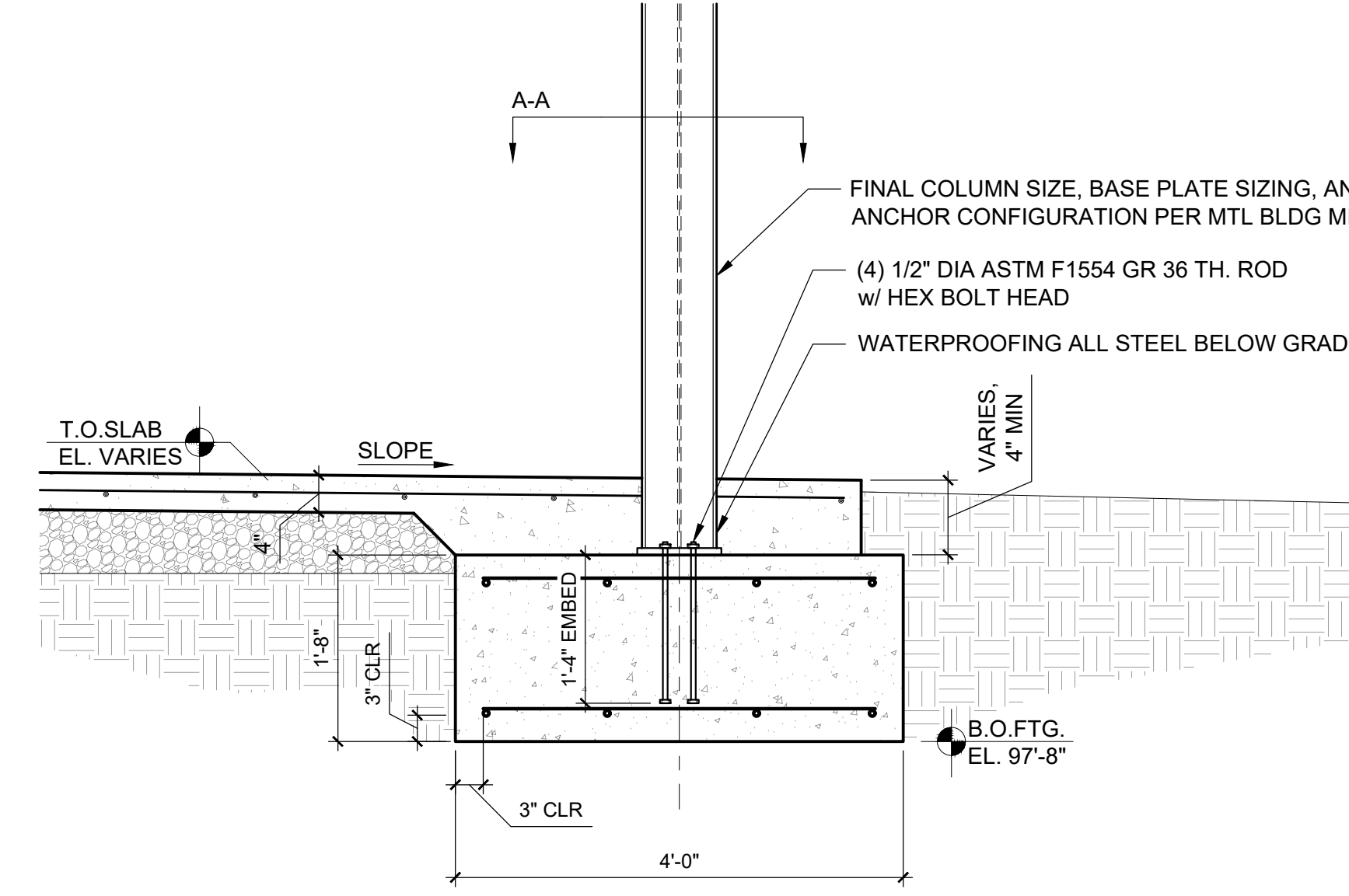
2 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

INTERIOR BENTS



A-A: BASE PLATE

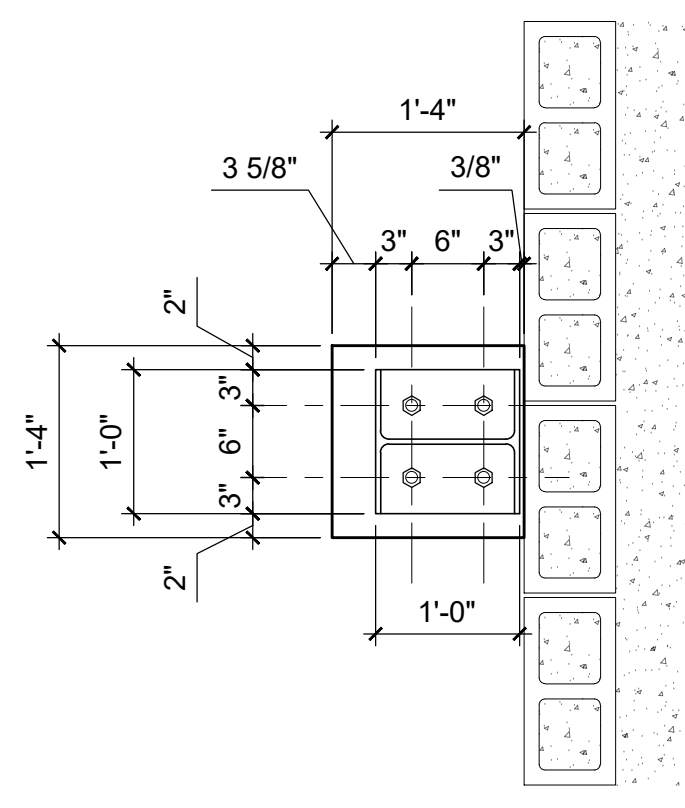
4 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"



A-A: BASE PLATE

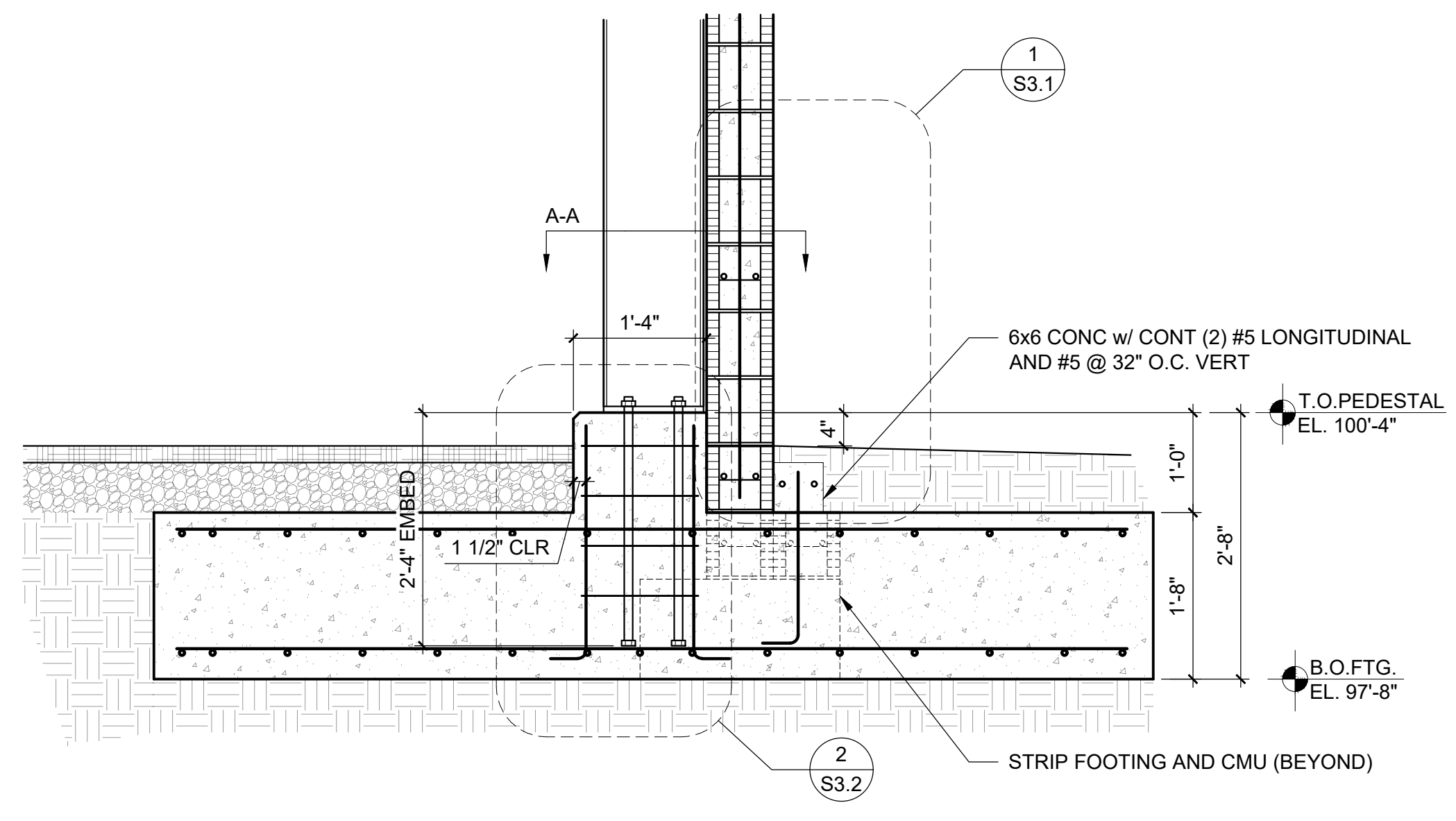
4 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

EXTERIOR PORTALS



A-A: BASE PLATE OVER PEDESTAL

6 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

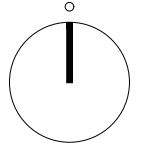


A-A: BASE PLATE OVER PEDESTAL

6 BASE PLATE, ANCHORAGE AND PEDESTAL
S3.2 3/4" = 1'-0"

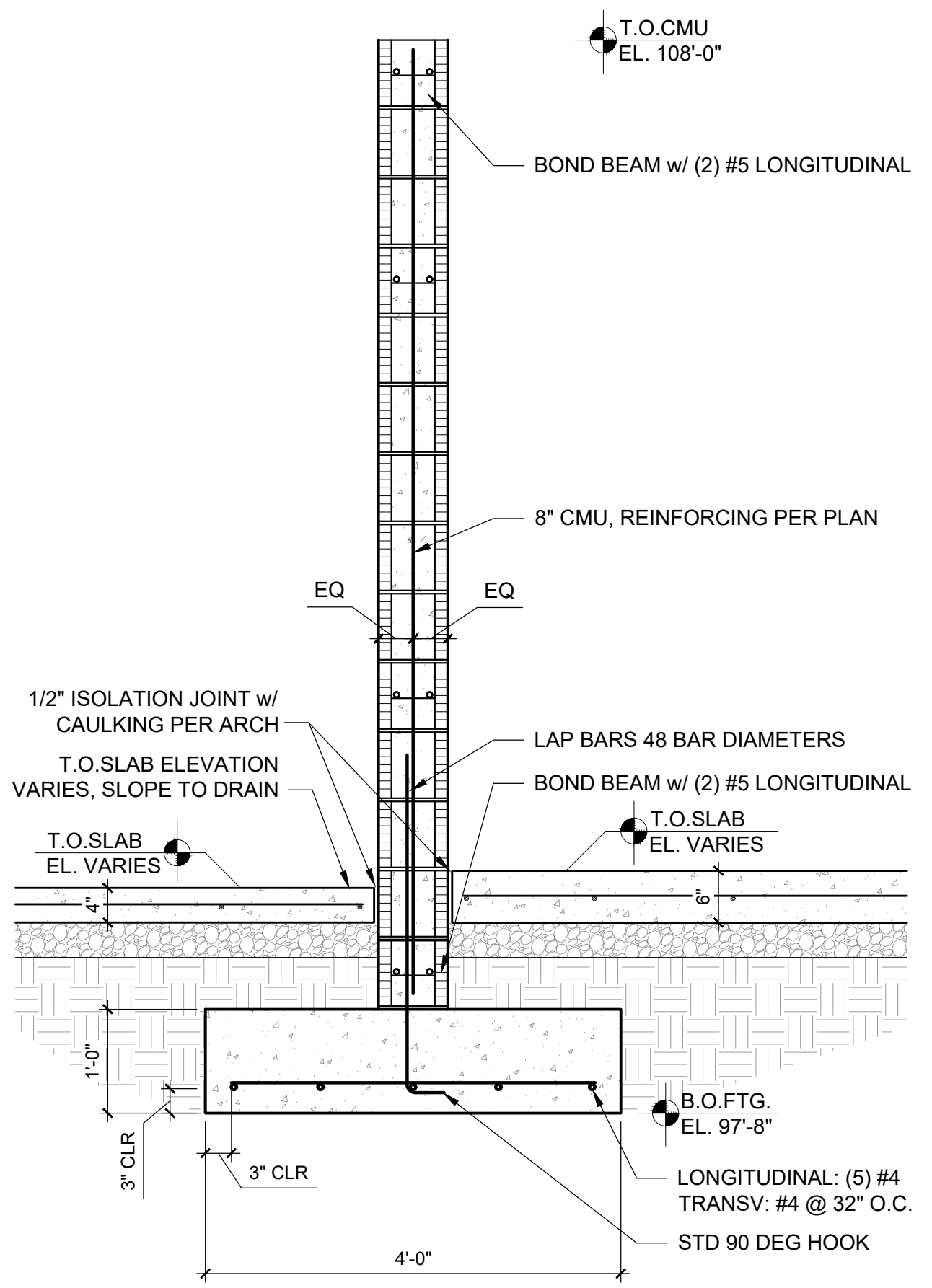
GABLE END BENTS

NORTH SCALE

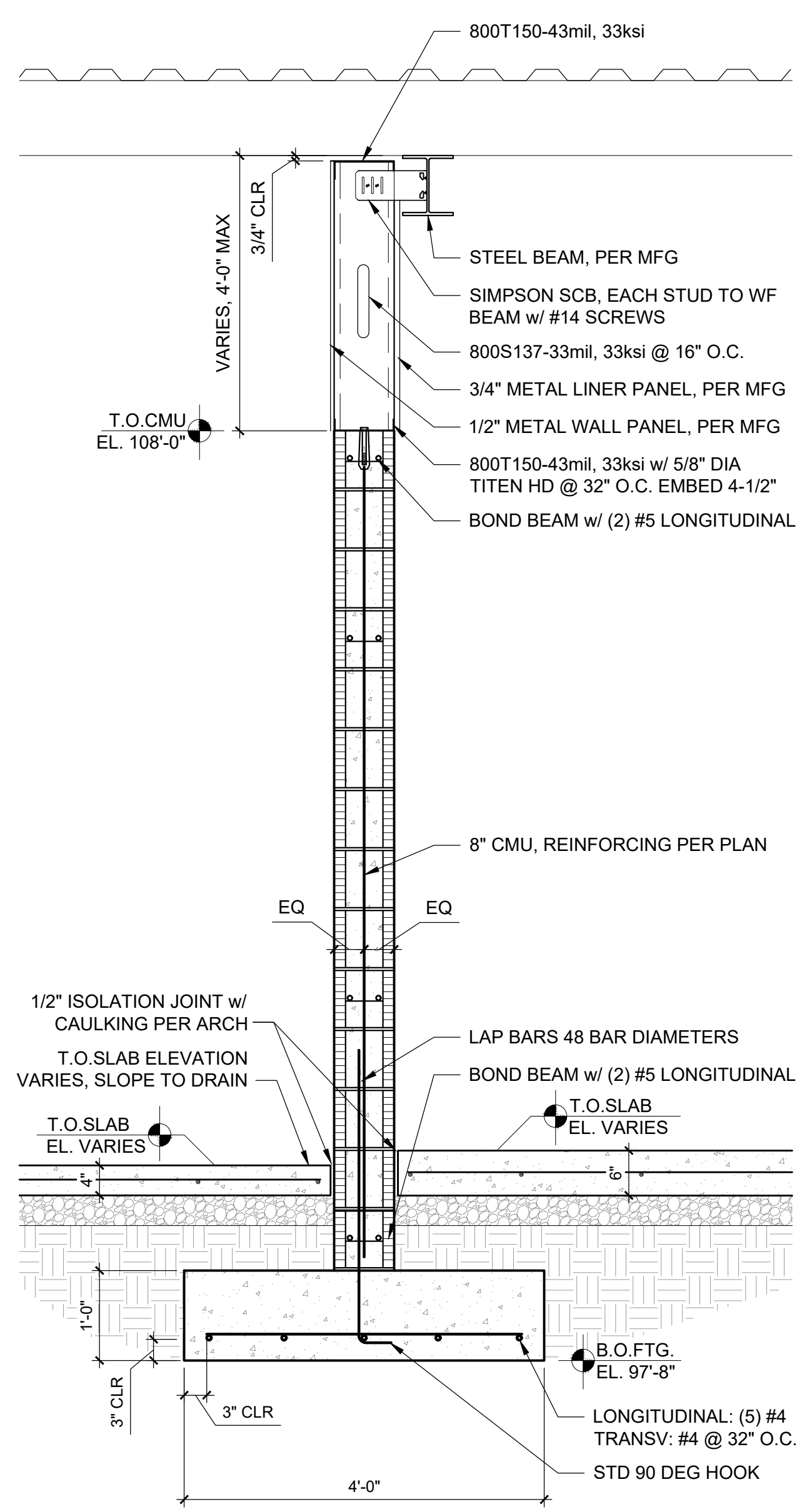


DRAWING NAME
FOUNDATION DETAILS

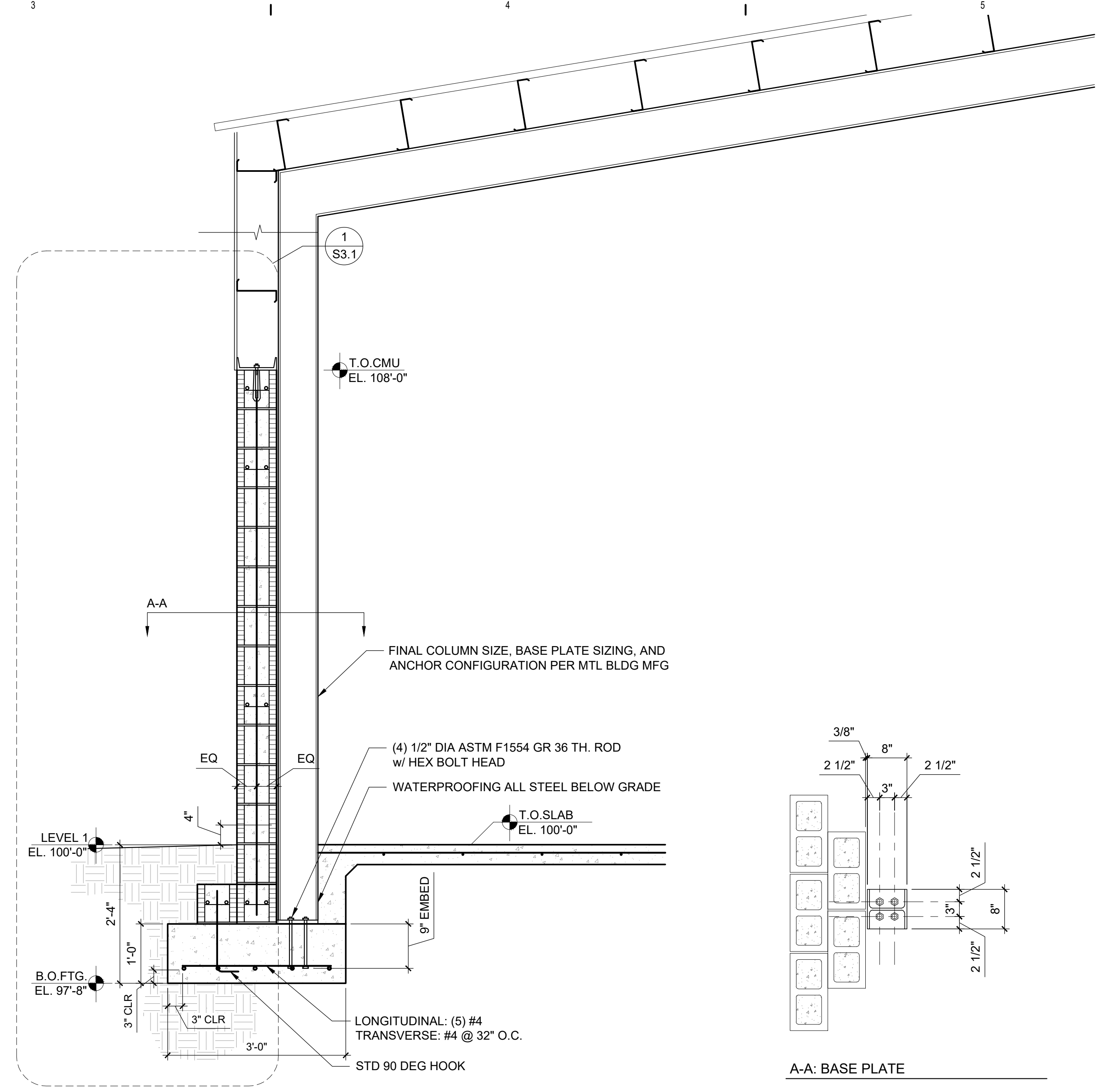
S3.2



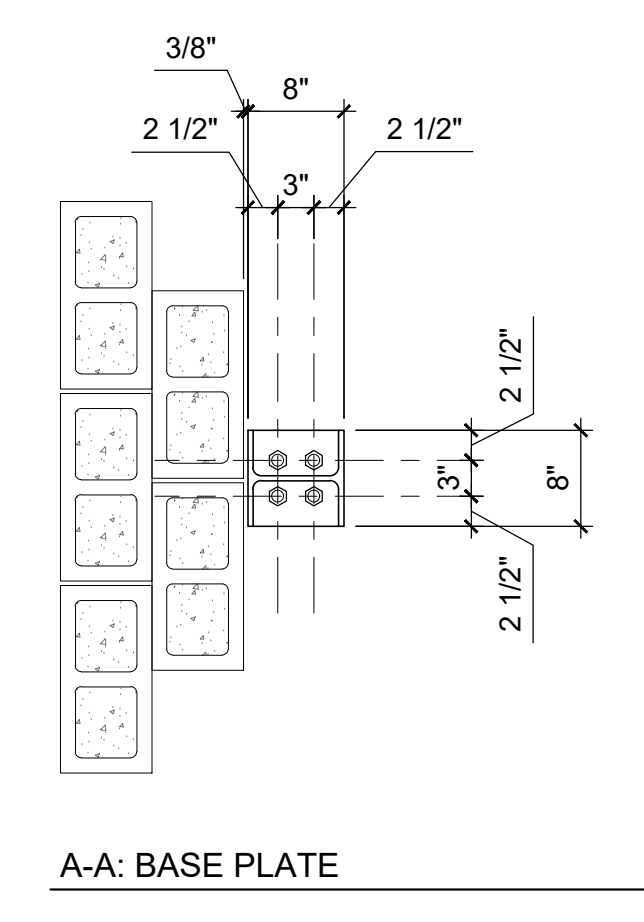
1 EXTERIOR CMU WALL AT WASH BAY
S3.3 3/4" = 1'-0"



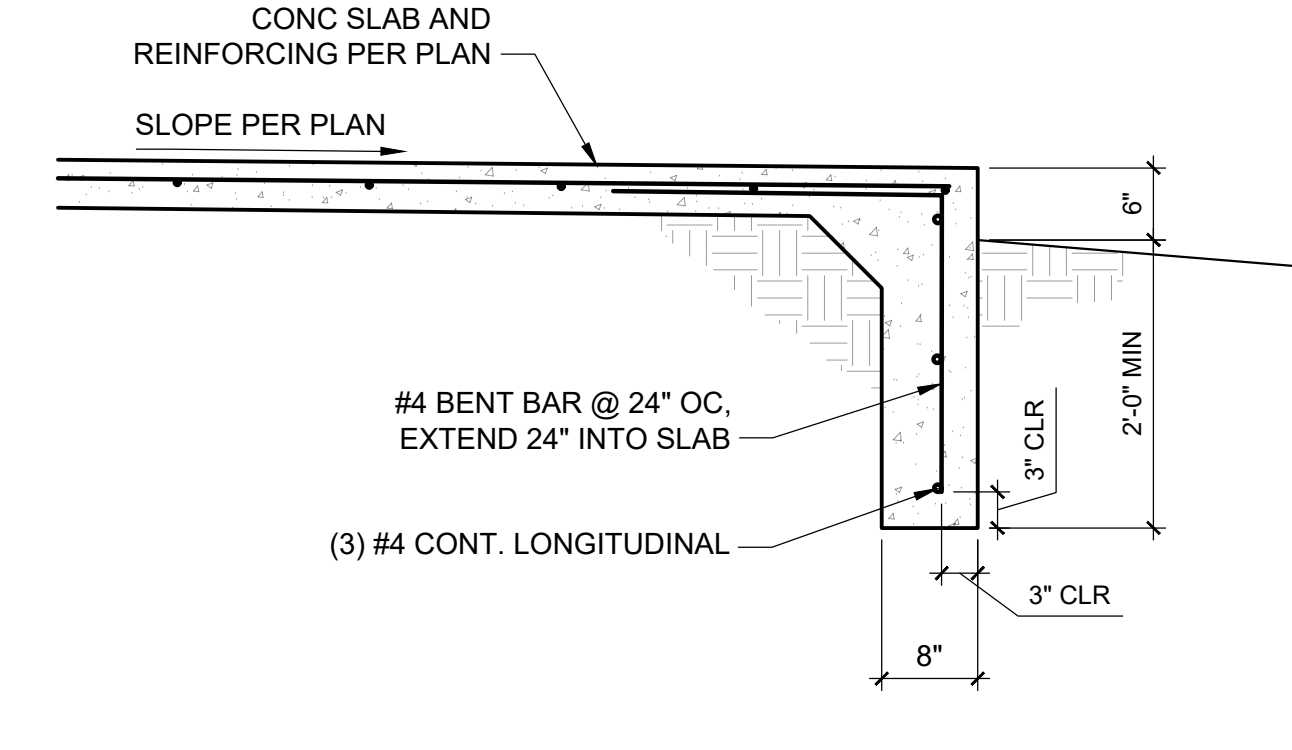
2 EXTERIOR CMU WALL
S3.3 3/4" = 1'-0"



3 EXTERIOR CMU WALL
S3.3 3/4" = 1'-0"



A-A: BASE PLATE



4 TURN DOWN CONCRETE SLAB EDGE
S3.3 3/4" = 1'-0"

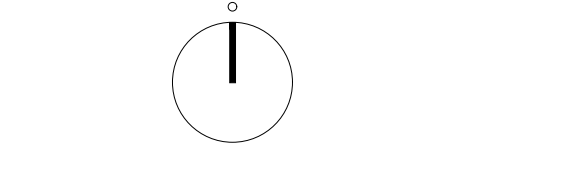


7/5/2023

REVISIONS	
1	7/5/2023, ADDENDUM #002

NOTES	

NORTH + SCALE



DRAWING NAME
FOUNDATION DETAILS

S3.3

GENERAL SHEET NOTES

- A. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- B. ALL PLAN DIMENSIONS TO OPENINGS ARE TO THE ROUGH OPENING DIMENSION UNLESS NOTED OTHERWISE.
- C. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED.

REFERENCE KEYNOTES

- 03 3000.01 CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 04 2200.01 CONCRETE MASONRY (CMU), (WALL) 8"X16" NOMINAL, STACK BOND
- 05 1200.01 STEEL COLUMN, SEE STRUCTURAL
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 05 5000.06 STEEL SHADE PANEL STRUCTURE FABRICATED FROM SALVAGED ANIMAL STALLS
- 05 5000.49 KNOX BOX
- 08 6223.01 2" TUBULAR SKYLIGHT, TYP
- 08 6223.02 ANNUAL TYPICAL ROD, VERTICAL SUPPORTS, 4" O.D. HORIZONTAL RAIS
- 09 6200.01 TROWEL-ON RESILIENT RUBBER FLOORING
- 10 1453.01 HDPE CLEARANCE BAR, TEXT TO READ "CLEARANCE 11'-6"
- 13 1900.01 PORTABLE EQUINE STALLS, 10'X10', OWNER PROVIDED, OWNER INSTALLED
- 22 0000.04 FLOOR DRAIN, SEE PLUMBING
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING
- 23 3439.01 24" Ø DIAMETER HIGH-VOLUME, LOW SPEED PROPELLER FAN
- 26 0000.02 ELECTRICAL DROP CONNECTION FROM ABOVE, 100A SERVICE
- 32 1200.01 ASPHALT PAVING, SEE CIVIL

LEGEND



REVISIONS

NO.	DATE	ADDENDUM #1
1	6/27/2023	ADDENDUM #1
2	7/5/2023	ADDENDUM #2

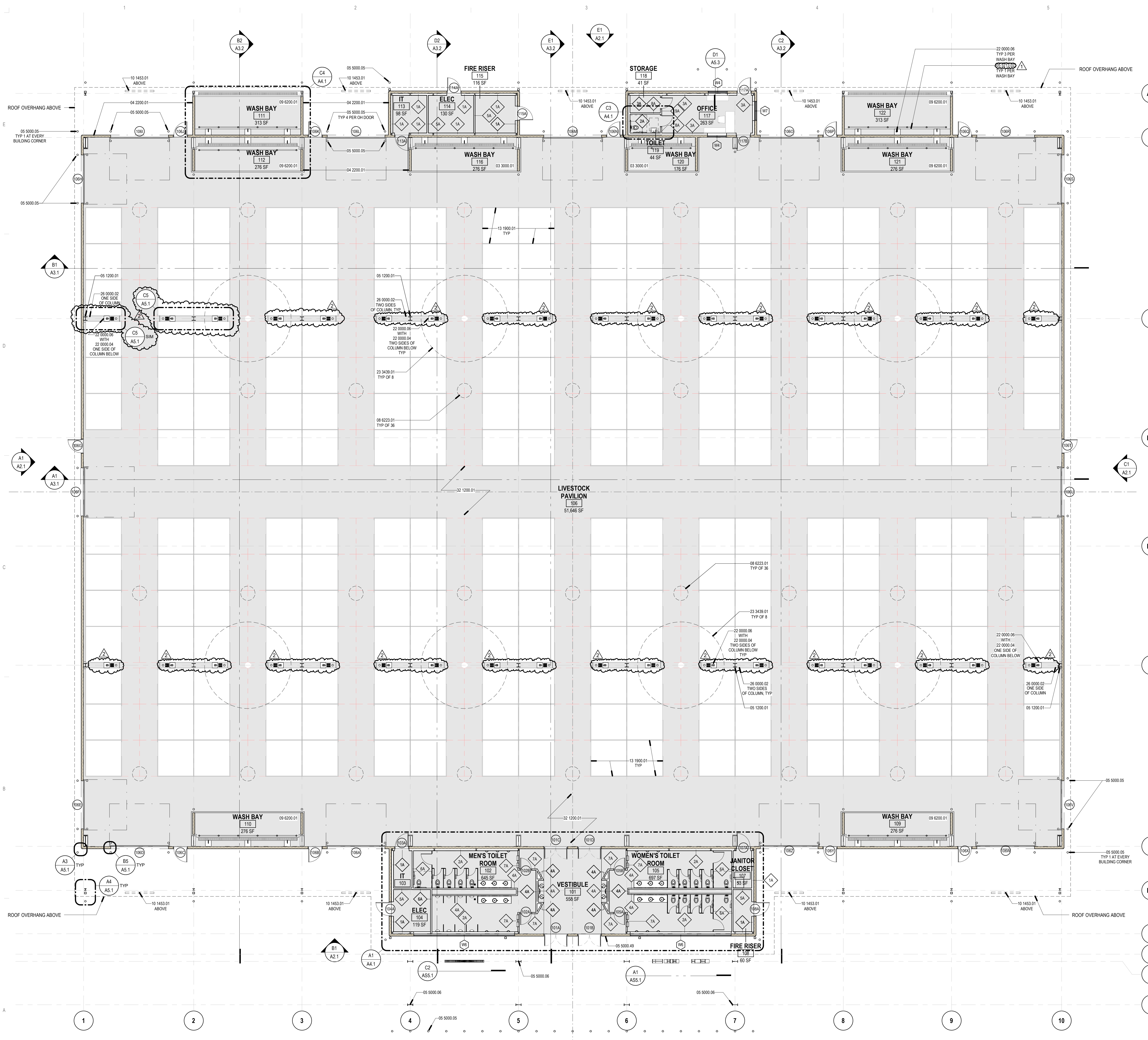
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
FLOOR PLAN

A1.1



A1 FLOOR PLAN 3/32" = 1'-0"

7/5/2023 1:29:32 PM

GENERAL SHEET NOTES

A. ALL PLAN DIMENSIONS ARE TO CONCRETE SLAB EDGE, FOUNDATION EDGE OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.

REFERENCE KEYNOTES

- 03 3000.01 CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 09 6200.01 TROWEL-ON RESILIENT RUBBER FLOORING
- 12 4813.01 ADA COMPLIANT ENTRANCE FLOOR MAT (EM-1), SEE FINISH SCHEDULE
- 22 0000.04 FLOOR DRAIN, SEE PLUMBING
- 32 1200.02 ASPHALT PAVING, SEE DETAILS



REVISIONS

1	7/5/2023	ADDENDUM #2
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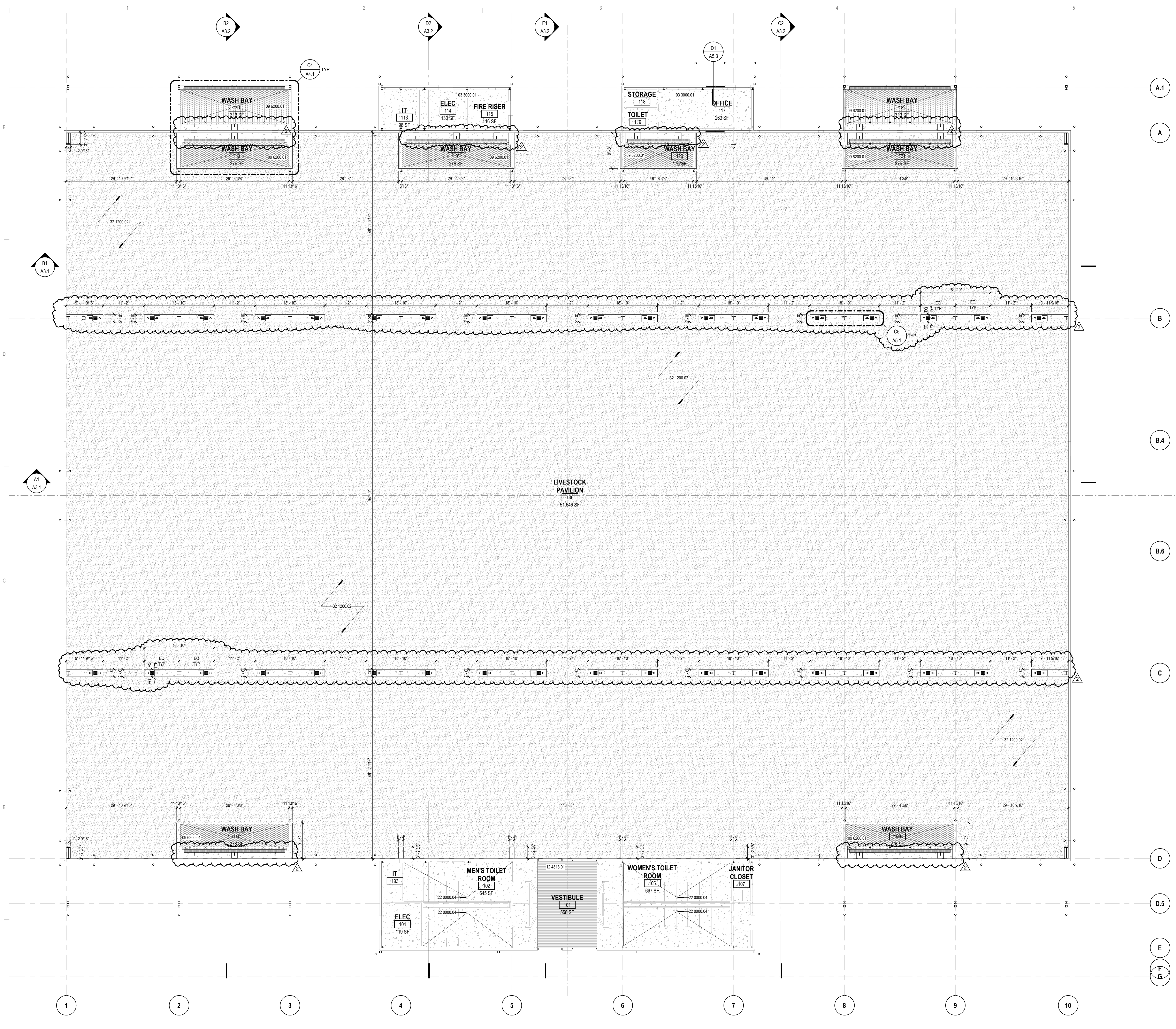
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
**SLAB EDGE
COORDINATION PLAN**

A1.3



LEGEND

- ASPHALT PAVING
- CONCRETE PAVING
- TROWEL-ON RESILIENT RUBBER FLOOR
- ENTRANCE FLOOR MAT

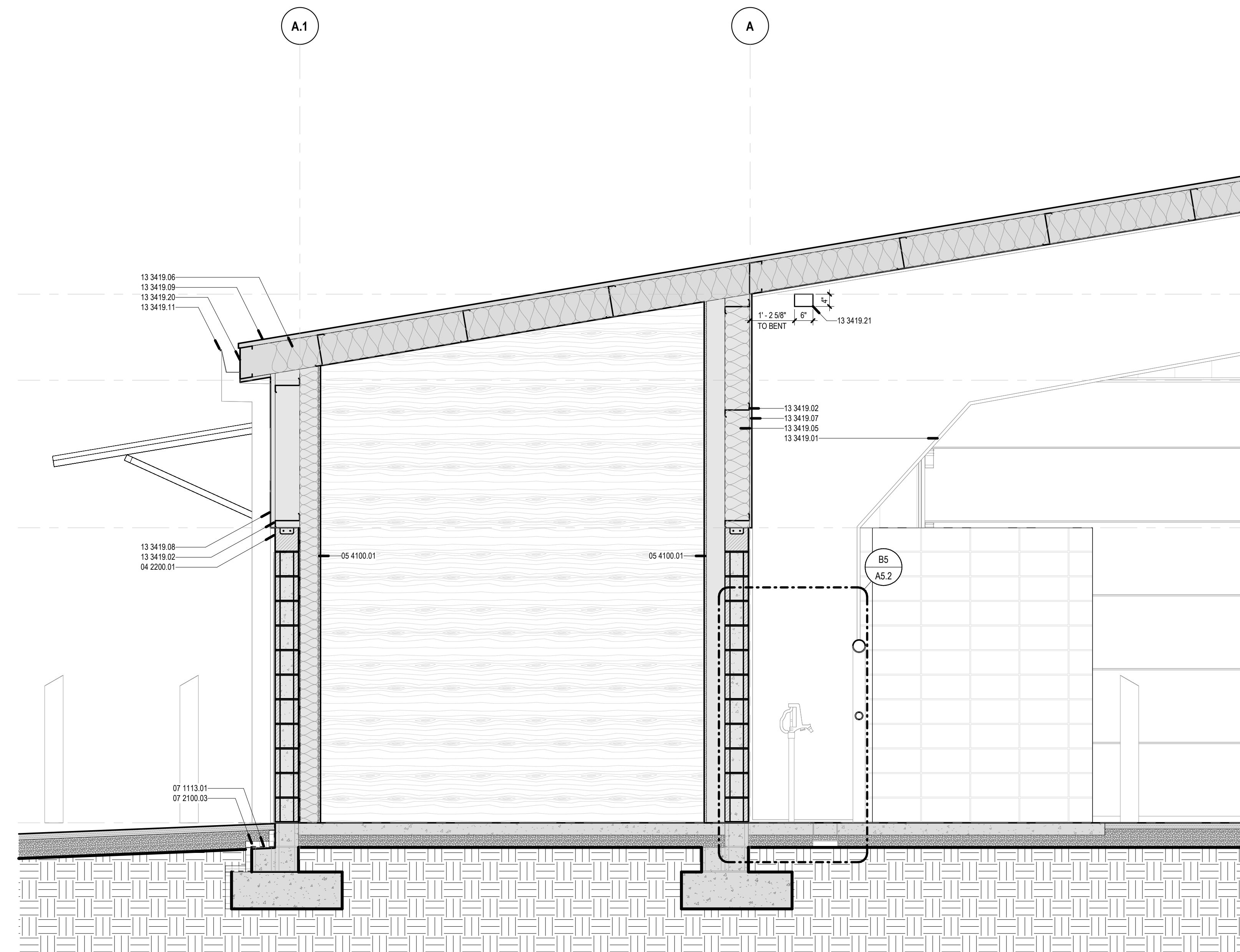
GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. REFERENCE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- D. REFERENCE ARCHITECTURAL FINISH PLANS FOR FINISHES
- E. REFERENCE G1.2 FOR TYPICAL MOUNTING HEIGHTS
- F. REFERENCE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO

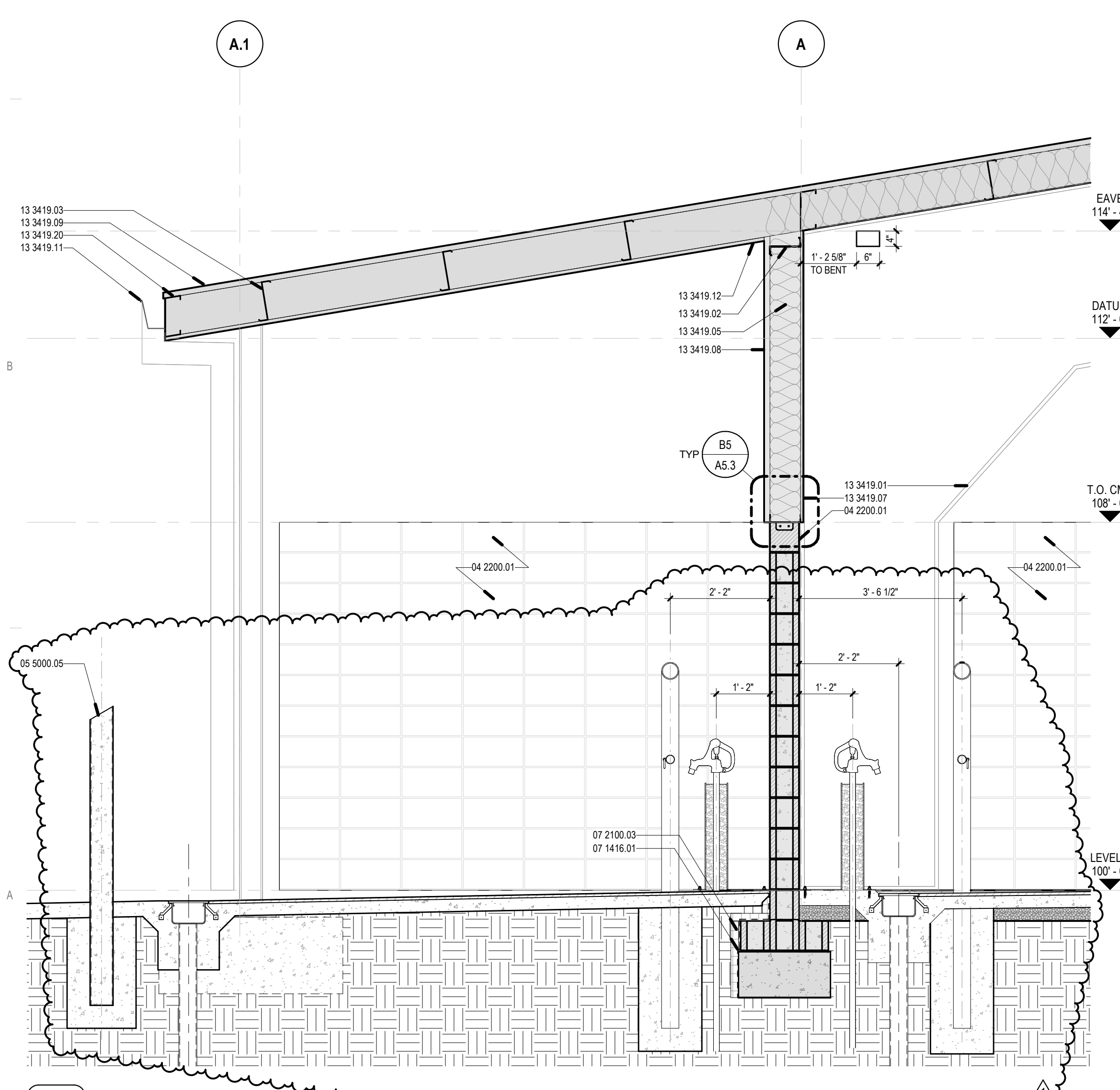
REFERENCE KEYNOTES

- 04 2200.01 CONCRETE MASONRY (CMU), (WHHL) 8"x8"x16" NOMINAL, STACK BOND
- 05 4100.01 METAL STUD FRAMED WALL, SEE PLANS AND PARTITION TYPES
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 05 5000.15 STEEL LINING
- 07 1113.01 BITUMINOUS DAMPPROOFING
- 07 1416.01 BITUMINOUS DAMPPROOFING
- 07 2100.03 RIGID INSULATION
- 08 3600.01 MANUAL OPERATED, INSULATED OVERHEAD SECTIONAL DOOR, COLOR TBD BY ARCHITECT
- 10 1453.01 HDPE CLEARANCE BAR, TEXT TO READ "CLEARANCE 11'-6"
- 13 3419.01 METAL BUILDING RIGID FRAME
- 13 3419.02 2" WALL Z GIRT
- 13 3419.03 ~~ROOF PURLIN DEPTH MAY VARY BY MANUFACTURER BASIS OF REGION IS 10" DEEP~~
- 13 3419.05 FIBERGLASS BATT WALL INSULATION
- 13 3419.06 FIBERGLASS BATT ROOF INSULATION
- 13 3419.07 ~~1 1/2" METAL WALL PANEL, 1/2" THICK~~
- 13 3419.08 1 1/2" METAL WALL PANEL
- 13 3419.09 STANDING SEAM METAL ROOF PANEL
- 13 3419.11 DOWNSPOUT/GUTTER SYSTEM
- 13 3419.12 METAL SOFFIT PANEL
- 13 3419.13 C CHANNEL FRAMING
- 13 3419.20 EAVE STRUT
- 13 3419.21 PENETRATION THROUGH BENT

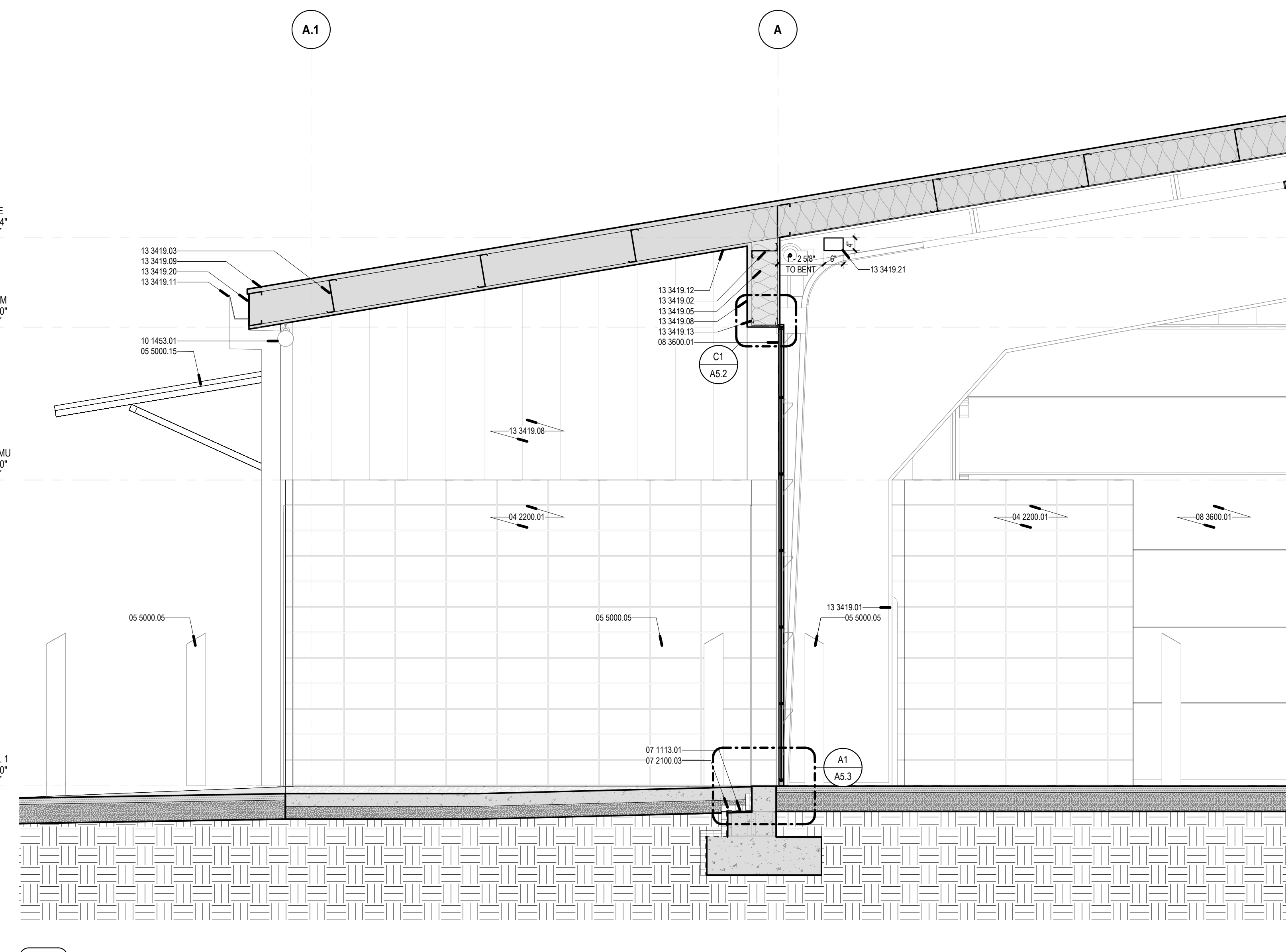
LEGEND



C3 WALL SECTION 1/2" = 1'-0"



A1 WALL SECTION 1/2" = 1'-0"



A3 WALL SECTION 1/2" = 1'-0"

KEY PLAN



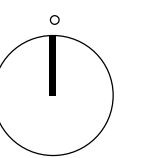
REVISIONS

NO.	DATE	ADDENDUM #1
1	6/27/2023	

NOTES

DRAWN BY	SS
REVIEWED BY	ST
DATE	6/9/2023
PROJECT NO.	#23-0003

NORTH + SCALE



DRAWING NAME
WALL SECTIONS

GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE
- C. REFERENCE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- D. REFERENCE ARCHITECTURAL FINISH PLANS FOR FINISHES
- E. REFERENCE 01.4 FOR TYPICAL MOUNTING HEIGHTS
- F. REFERENCE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO

REFERENCE KEYNOTES

- 03 3000.01 CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 04 2200.01 CONCRETE MASONRY (CMU), (W/H) 8"X8"X16" NOMINAL, STACK BOND
- 05 4100.01 METAL STUD FRAMED WALL, SEE PLANS AND PARTITION TYPES
- 05 4100.04 GC TO COORDINATE STUD FRAMING BEHIND EVERY COUNTER WALL BRACKET
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 05 5000.19 HSS 1 1/2X 1 1/2X18" STEEL SQUARE TUBE FRAME
- 05 5000.20 HSS 1 1/2X 1 1/2X18" STEEL SQUARE TUBE
- 05 5000.21 18 GA STAINLESS STEEL SHEET CUSTOM FORMED COUNTERTOP
- 05 5000.40 KNOX BOX
- 06 4023.20 3/4" PLYWOOD UNDERLAYMENT
- 09 6200.01 TROWEL-ON RESILIENT RUBBER FLOORING
- 10 2113.01 URINAL PARTITION
- 10 2113.02 TOILET PARTITION
- 10 2913.01 TOILET ACCESSORY - SEE ENLARGED PLANS AND INTERIOR ELEVATIONS
- 12 4813.01 ADA COMPLIANT ENTRANCE FLOOR MAT (EM-1), SEE FINISH SCHEDULE
- 13 3419.01 METAL BUILDING RIGID FRAME
- 13 3419.11 DOWNSPOUT/GUTTER SYSTEM
- 13 3419.19 METAL BUILDING COLUMN
- 22 0000.01 WATER CLOSET, SEE PLUMBING
- 22 0000.02 DRINKING FOUNTAIN, SEE PLUMBING
- 22 0000.03 LAVATORY, SEE PLUMBING
- 22 0000.05 MOP SINK, SEE PLUMBING
- 22 0000.06 FREEZE-PROOF 1/2" HYDRANT, SEE PLUMBING
- 22 0000.07 LINEAR TRENCH DRAIN, SEE PLUMBING
- 22 0000.08 BOTTLE FILLER, SEE PLUMBING
- 22 0000.09 URINAL, SEE PLUMBING
- 32 1200.02 ASPHALT PAVING, SEE DETAILS
- 32 1313.01 CONCRETE PAVING, REFER TO CIVIL

10 2813 - TOILET ACCESSORIES

- SEE TYP. MOUNTING HEIGHTS + ACCESSIBILITY DIMENSIONS FOR MOUNTING INFORMATION
- 01 HAND SOAP DISPENSER, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 02 RECESSED WASTE RECEPTACLE, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 04 18" X 36" ANGLE FRAME MIRROR, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 05 TOILET PAPER DISPENSER, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
 - 06 36" LONG STRAIGHT GRAB BAR
 - 07 42" LONG STRAIGHT GRAB BAR
 - 08 18" LONG STRAIGHT GRAB BAR
 - 09 HAND DRYER
 - 10 MOP RACK
 - 11 SANITARY NAPKIN DISPOSAL UNIT
 - 12 HAND SOAP DISPENSER, WALL MOUNT, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION, B.O.D. BOBRICK B-2111 OR APPROVED EQUAL

KEY PLAN

REVISIONS

1	6/27/2023	ADDENDUM #1
2	7/5/2023	ADDENDUM #2

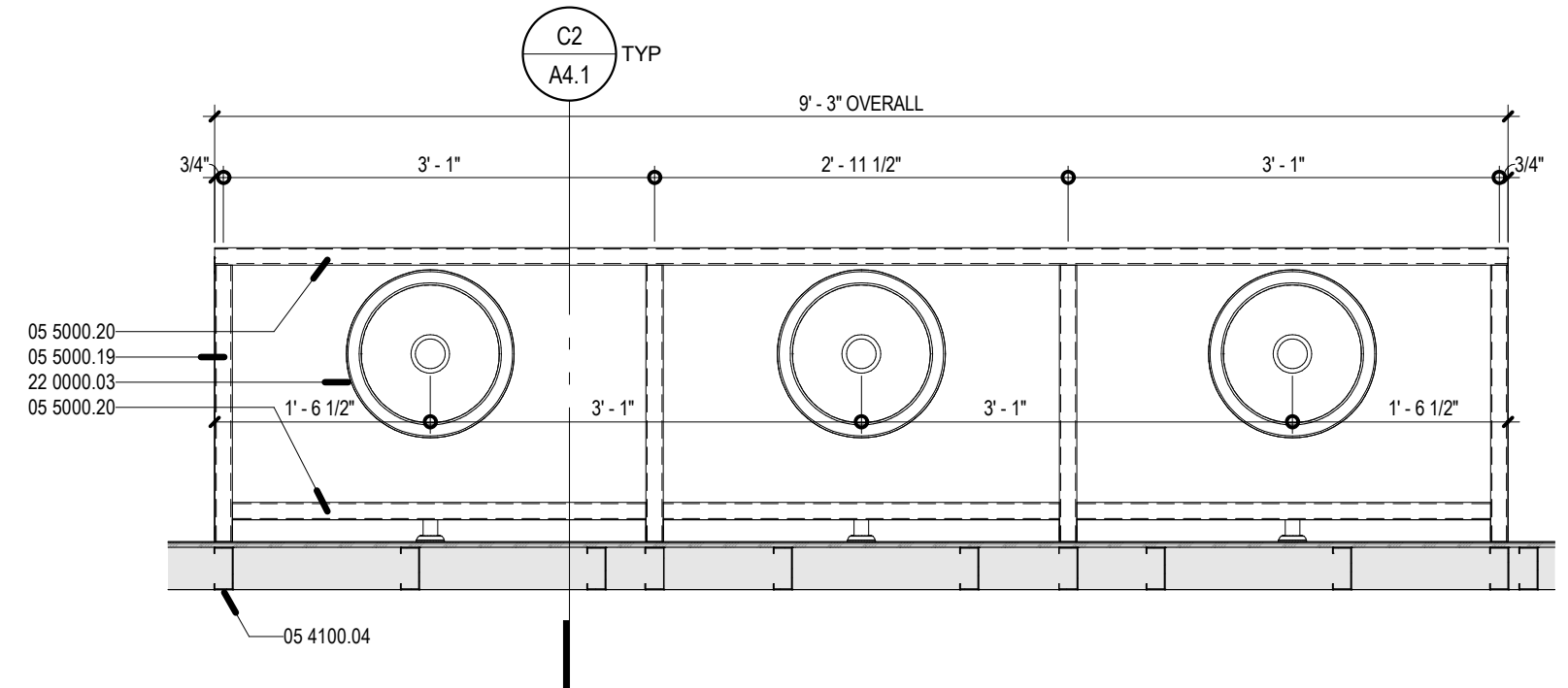
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DRAWN BY	SS
REVIEWED BY	ST
DATE	6/9/2023
PROJECT NO	#23-0003

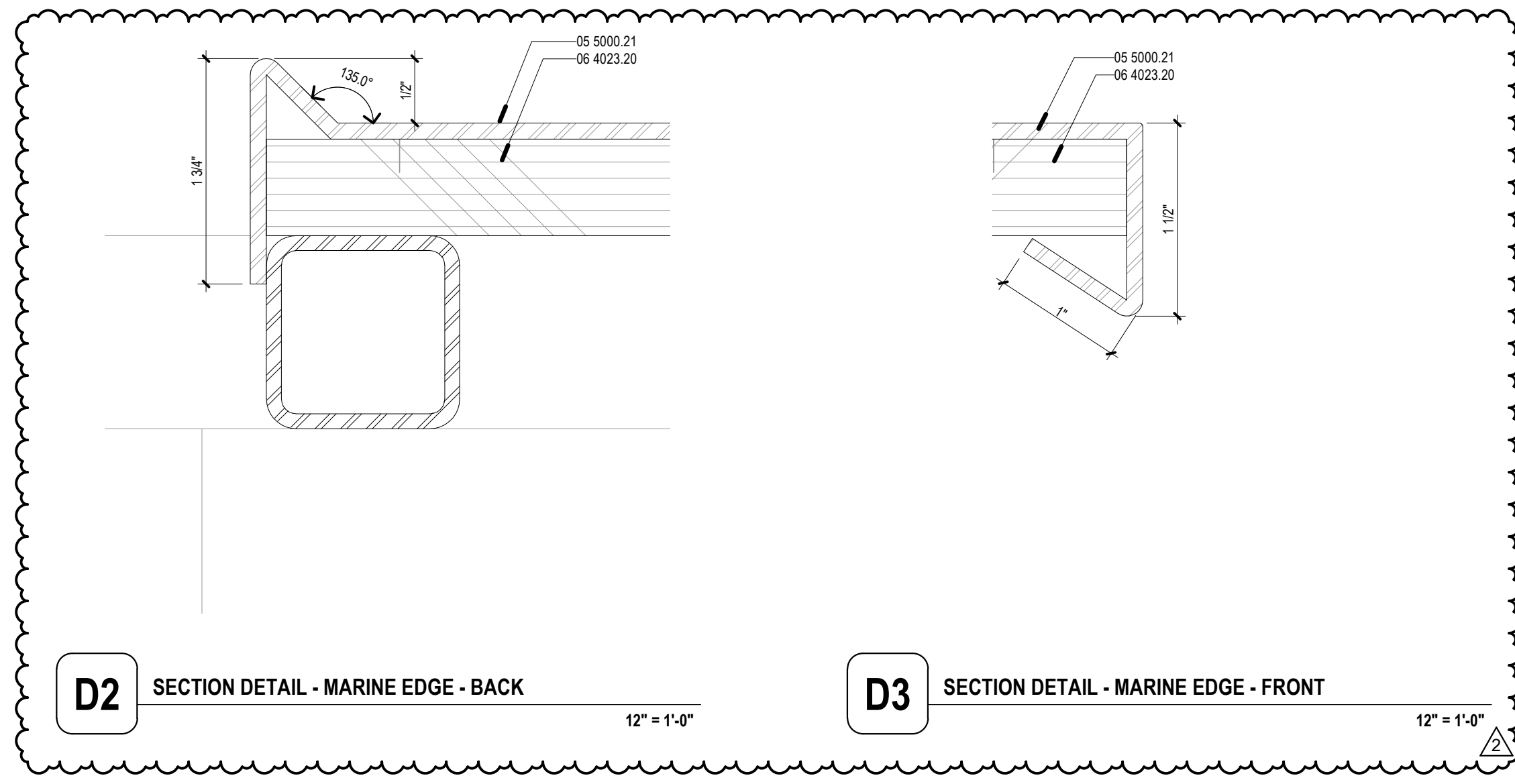
NORTH + SCALE

DRAWING NAME
ENLARGED PLANS

A4.1

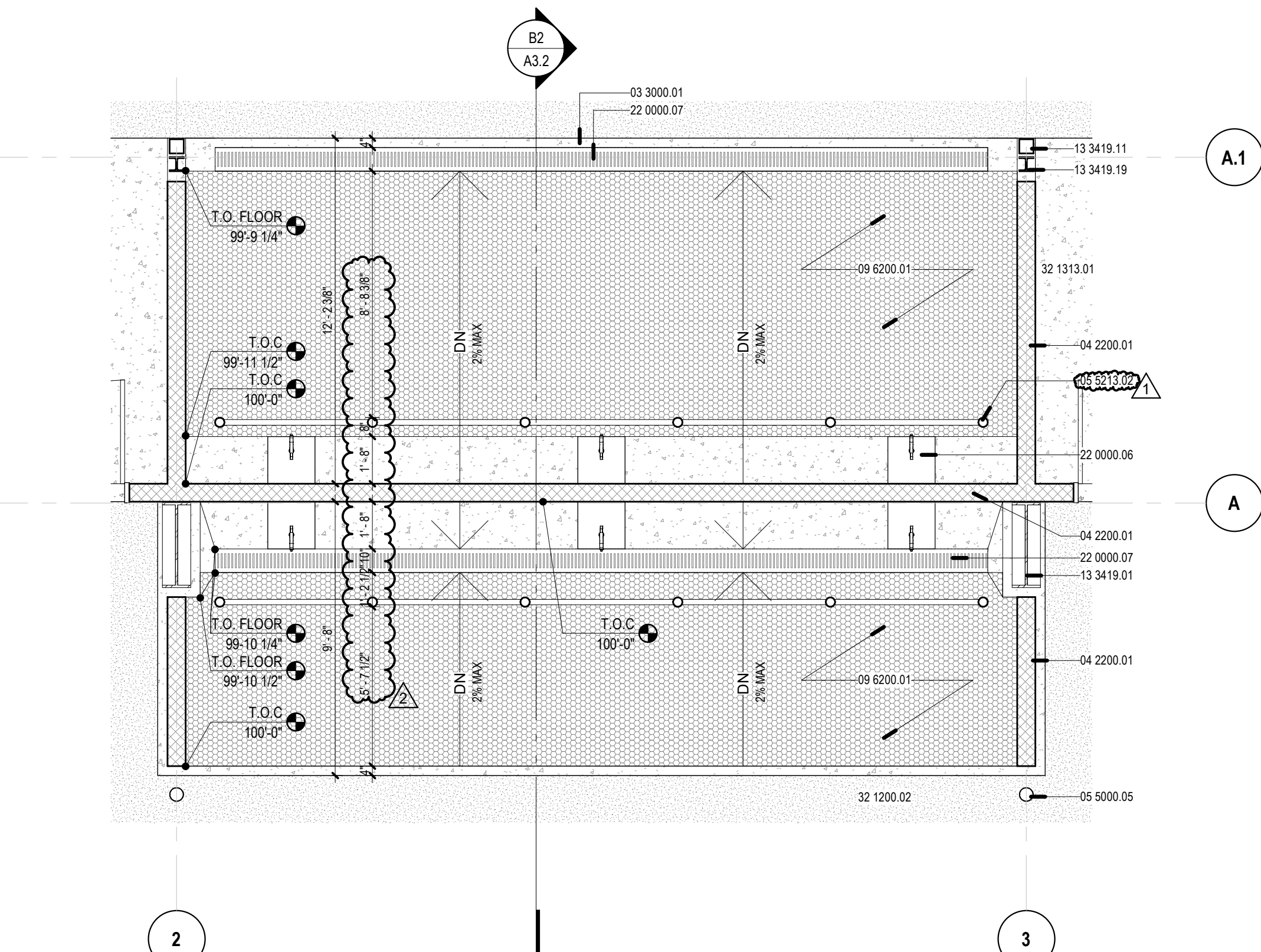


E5 PLAN DETAIL - TYP COUNTERTOP
3/4" = 1'-0"

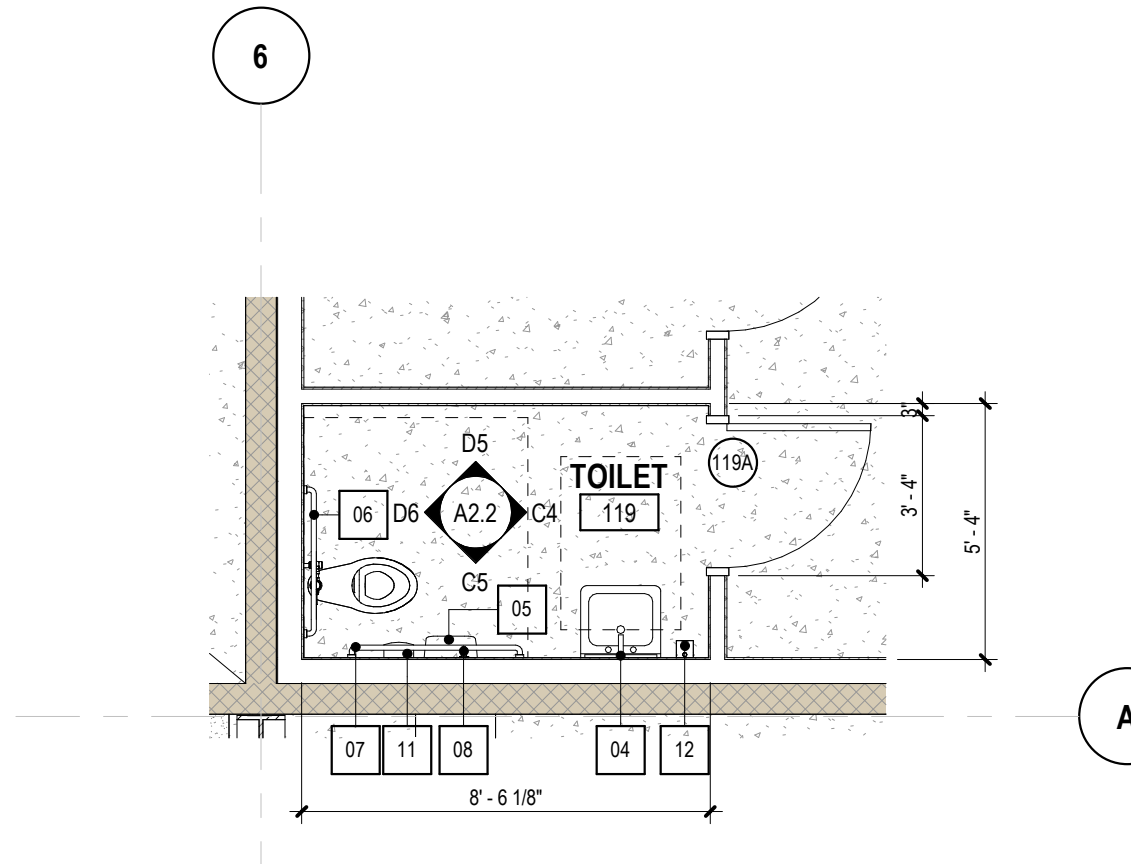


D2 SECTION DETAIL - MARINE EDGE - BACK
1/2" = 1'-0"

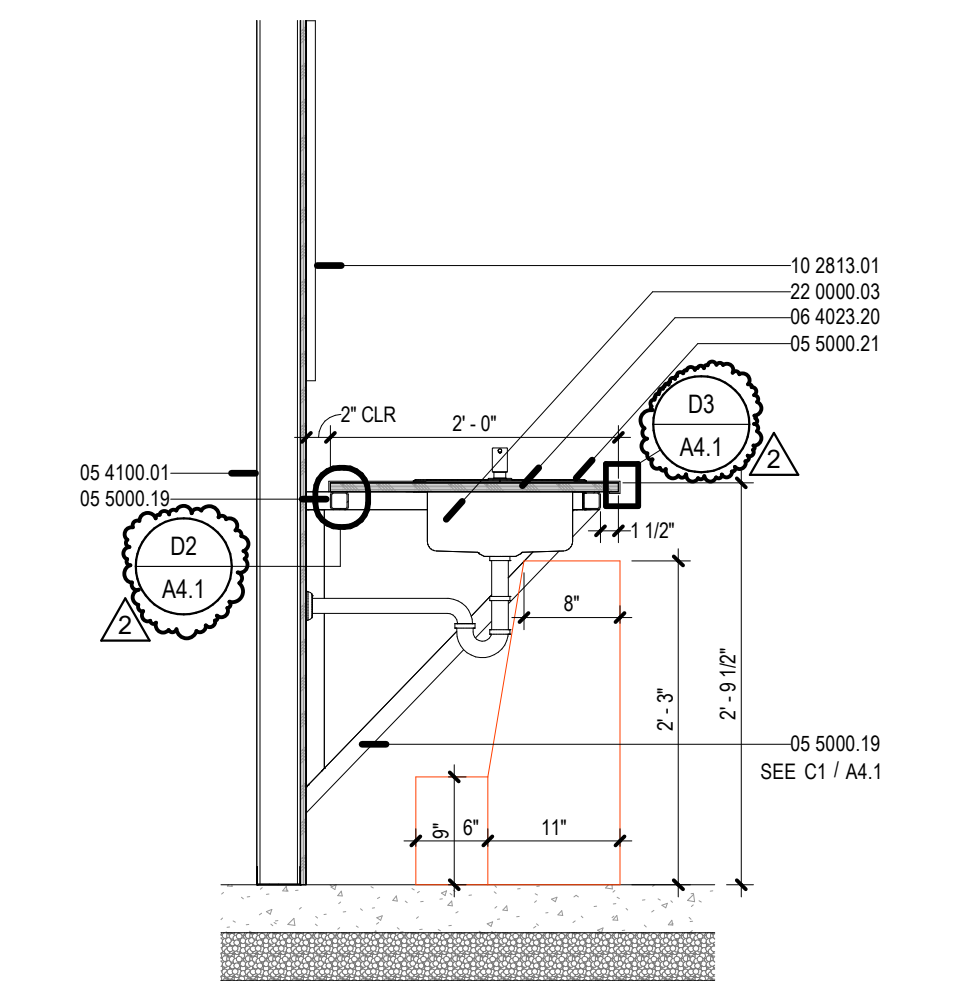
D3 SECTION DETAIL - MARINE EDGE - FRONT
1/2" = 1'-0"



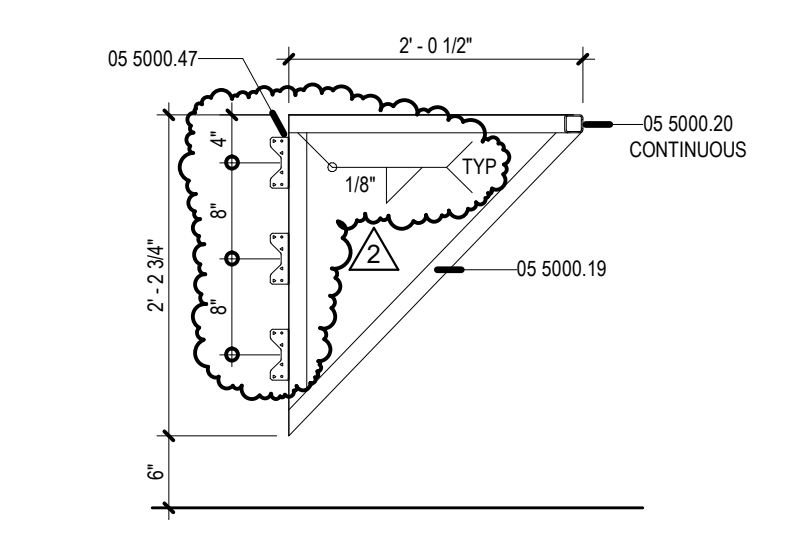
C4 ENLARGED PLAN - WASH BAYS TYP
1/4" = 1'-0"



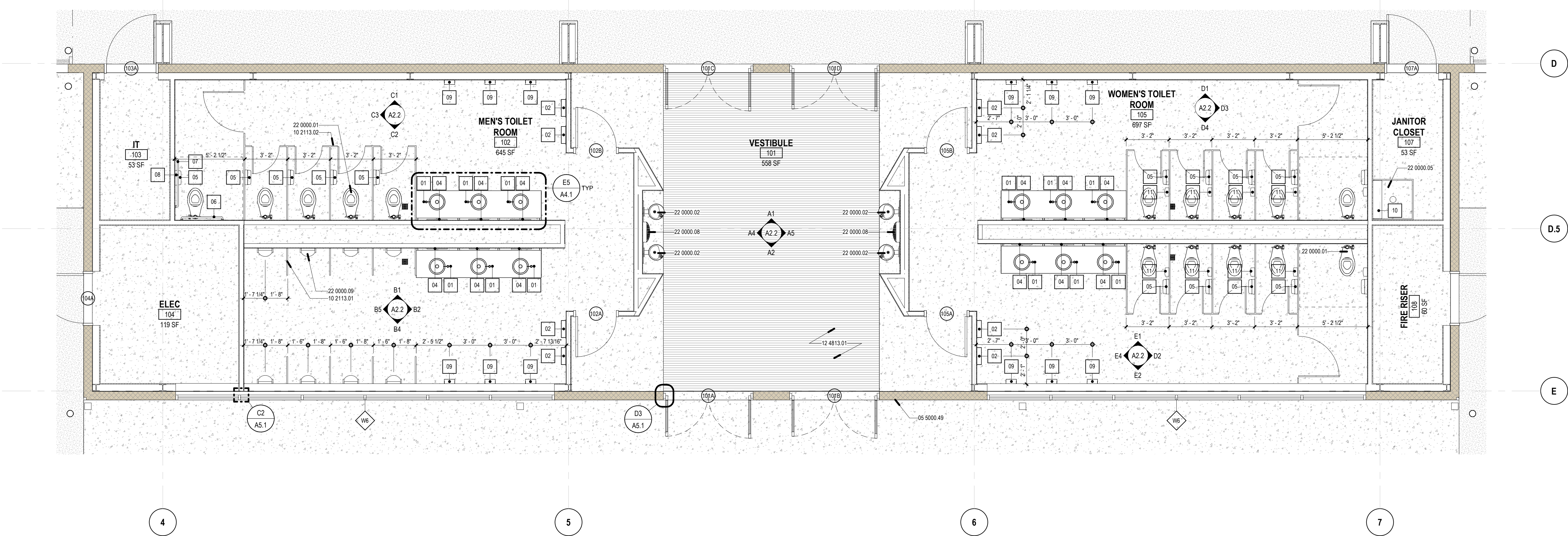
C3 ENLARGED PLAN - TOILET ROOM
1/4" = 1'-0"



C2 CASEWORK SECTION - TYPICAL COUNTER
3/4" = 1'-0"



C1 ELEVATION DETAIL - COUNTERTOP BRACKET
3/4" = 1'-0"



A1 ENLARGED PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

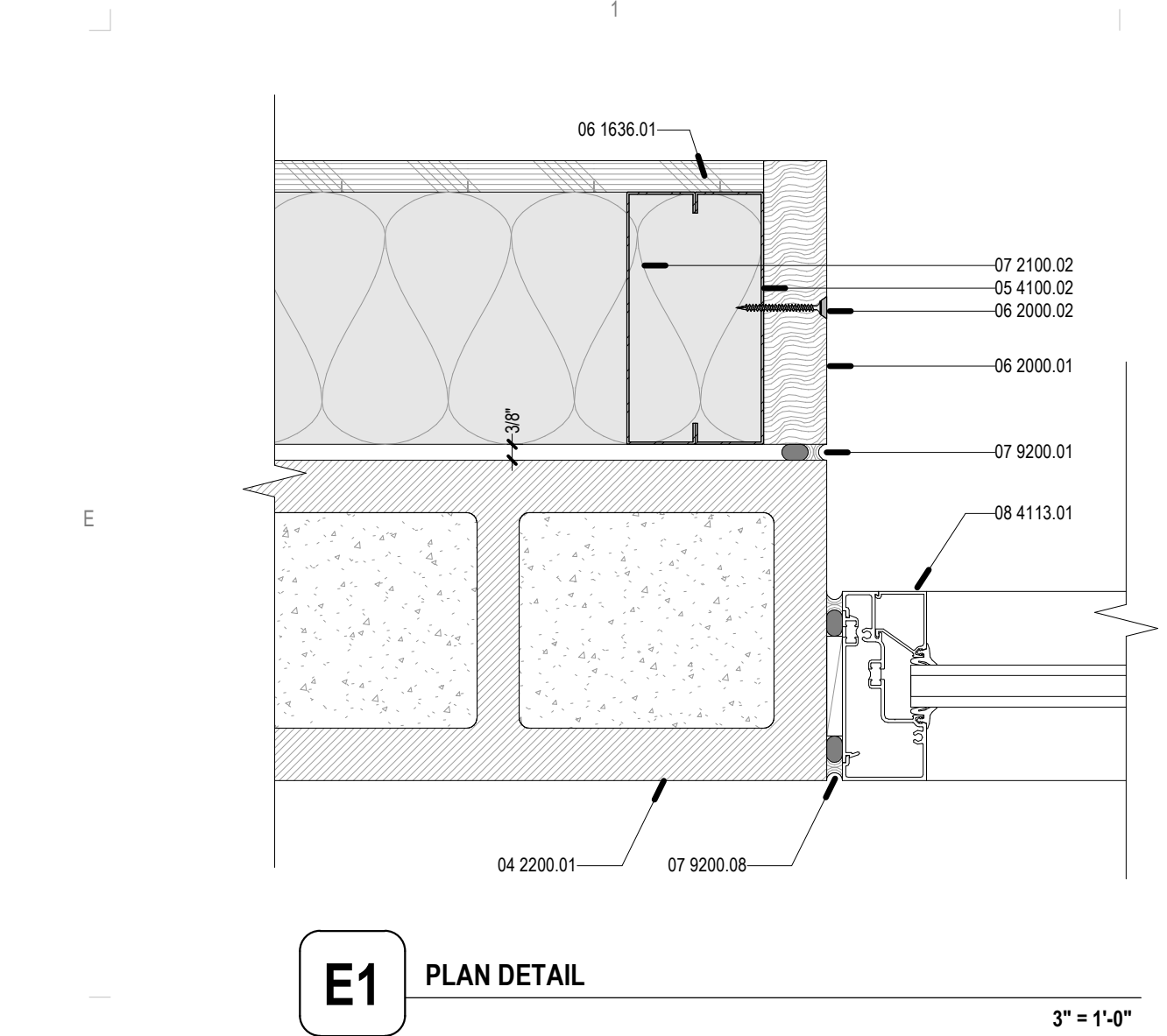
- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. SEE 01.2 FOR TYPICAL MOUNTING HEIGHTS
- D. SEE SLAB EDGE PLAN FOR CONCRETE CONTROL JOINT LOCATIONS
- E. SEE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO
- F. SEE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- G. SEE FINISH SCHEDULE FOR FINISHES
- H. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED

REFERENCE KEYNOTES

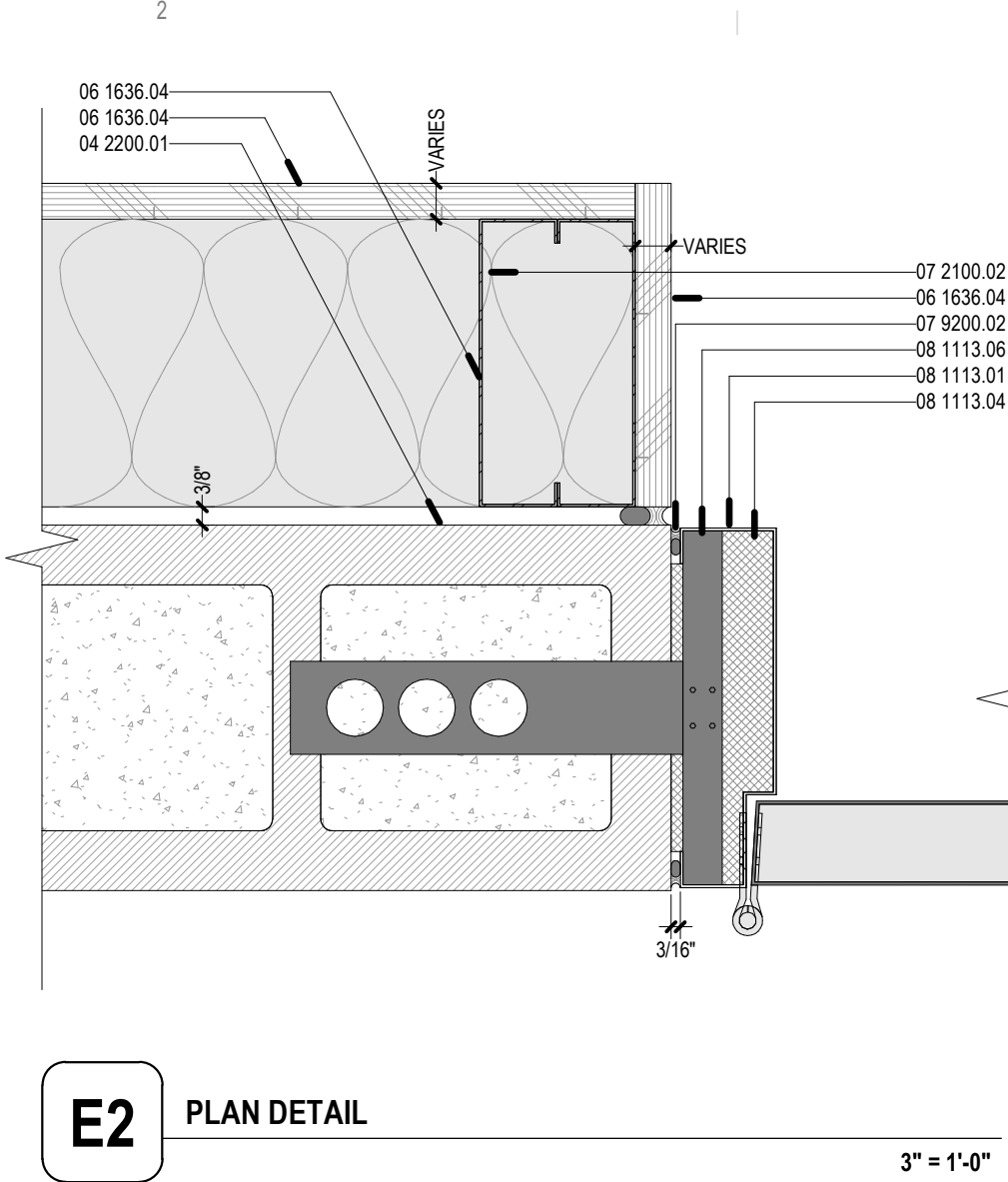
- 03 3000.02 CONCRETE FOOTING, SEE STRUCTURAL
- 04 2200.01 CONCRETE MASONRY (CMU), (W/H/L) 8"X8"X16" NOMINAL, STACK BOND
- 05 4100.02 6" METAL STUD FRAMING
- 05 4100.03 3.5" METAL STUD FRAMING
- 05 5000.05 PIPE BOLLARD, FILL WITH CONCRETE, SEE DETAILS
- 05 5000.07 BASE PLATE
- 05 5000.08 HYDRANT BOLLARD
- 05 5000.18 HSS 2X2X1/8" STEEL SQUARE TUBE FRAME
- 05 5000.22 1/8" STEEL PLATE
- 05 5000.23 COORDINATE HOLE SIZE AND LOCATION FOR BOLTED CONNECTION FOR OPCI SPIDER BOX
- 06 1636.01 7/16" PLYWOOD SHEATHING, BC OR BD GRADE, B SIDE FACING INTERIOR SPACE
- 06 1636.03 3/4" PLYWOOD SHEATHING, BC OR BD GRADE, B SIDE FACING INTERIOR SPACE
- 06 1636.04 PLYWOOD SHEATHING, BC OR BD GRADE, B SIDE FACING INTERIOR SPACE, THICKNESS VARIES BY LOCATION, SEE PARTITION TYPE LEGEND, INTERIOR ELEVATIONS AND FINISH LEGEND
- 06 2000.01 SOLID WOOD BOARD, DOUGLAS FIR, 1 1/2" THICKNESS, CLEAR FINISH COUNTERSINK SCREWS, PATCH HOLES WITH WOOD FILLER
- 07 2100.02 FULL CAVITY BATT INSULATION
- 07 5000.01 3/8" BACKER ROD AND SEALANT
- 07 5000.02 SEALANT
- 07 5000.08 BACKER ROD AND SEALANT
- 08 1113.01 HOLLOW METAL DOOR AND FRAME
- 08 1113.04 LOW EXPANSION OPEN-CELL POLYURETHANE FOAM GROUT
- 08 1113.06 HOLLOW METAL FRAME MASONRY ANCHOR
- 08 3000.02 OVERHEAD DOOR TRACK
- 08 4113.01 ALUMINUM-FRAMED STOREFRONT SYSTEM
- 08 4113.07 ALUMINUM BRAKE METAL TRIM TO MATCH WINDOW FRAME
- 08 4113.07 ALUMINUM STOREFRONT ENTRY DOOR SYSTEM
- 09 7813.01 22 GA GALVANIZED STEEL SHEET, 24" STRIPS
- 09 7813.02 HEIMMED EDGE, TYP
- 09 7813.03 #6 X 1 1/2" HEX WASHER HEAD SCREW, GALVANIZED, 12" O.C. HORIZONTALLY, 11" O.C. VERTICALLY, ALIGNED
- 13 3419.02 8" WALL Z GIRT
- 13 3419.06 1 1/2" METAL WALL PANEL
- 13 3419.08 1 1/2" METAL WALL PANEL
- 13 3419.11 DOWNSPOUT/GUTTER SYSTEM
- 13 3419.13 C CHANNEL FRAMING
- 13 3419.16 J TRIM
- 13 3419.17 SHEET METAL JAMB CAP TRIM, FINISH TO MATCH ADJACENT METAL PANELS
- 13 3419.18 1 3/4" X 3" STEEL ANGLE
- 13 3419.19 METAL BUILDING COLUMN
- 22 0000.04 FLOOR DRAIN, SEE PLUMBING
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING

LEGEND

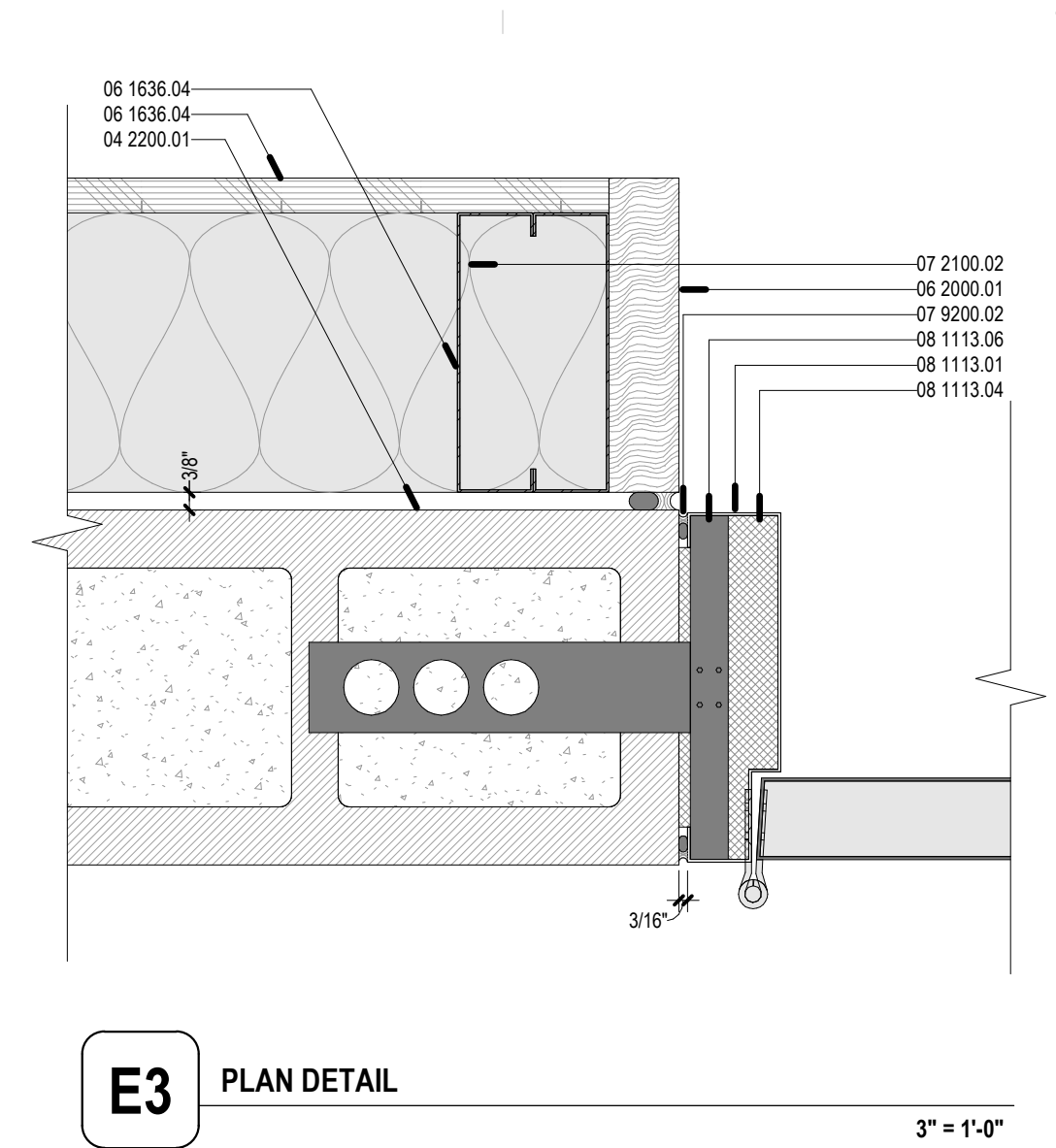
KEY PLAN



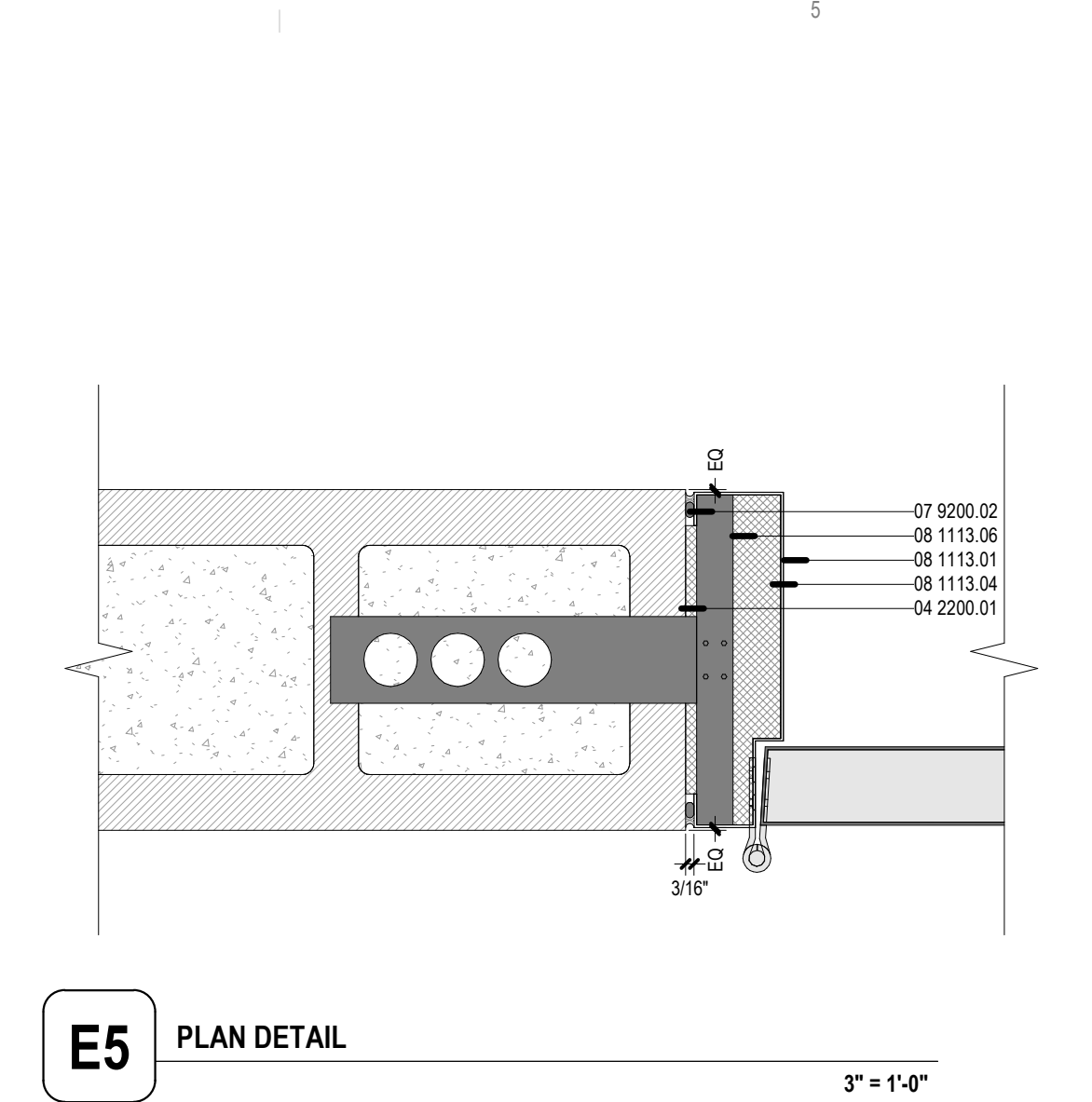
E1 PLAN DETAIL
3" = 1'-0"



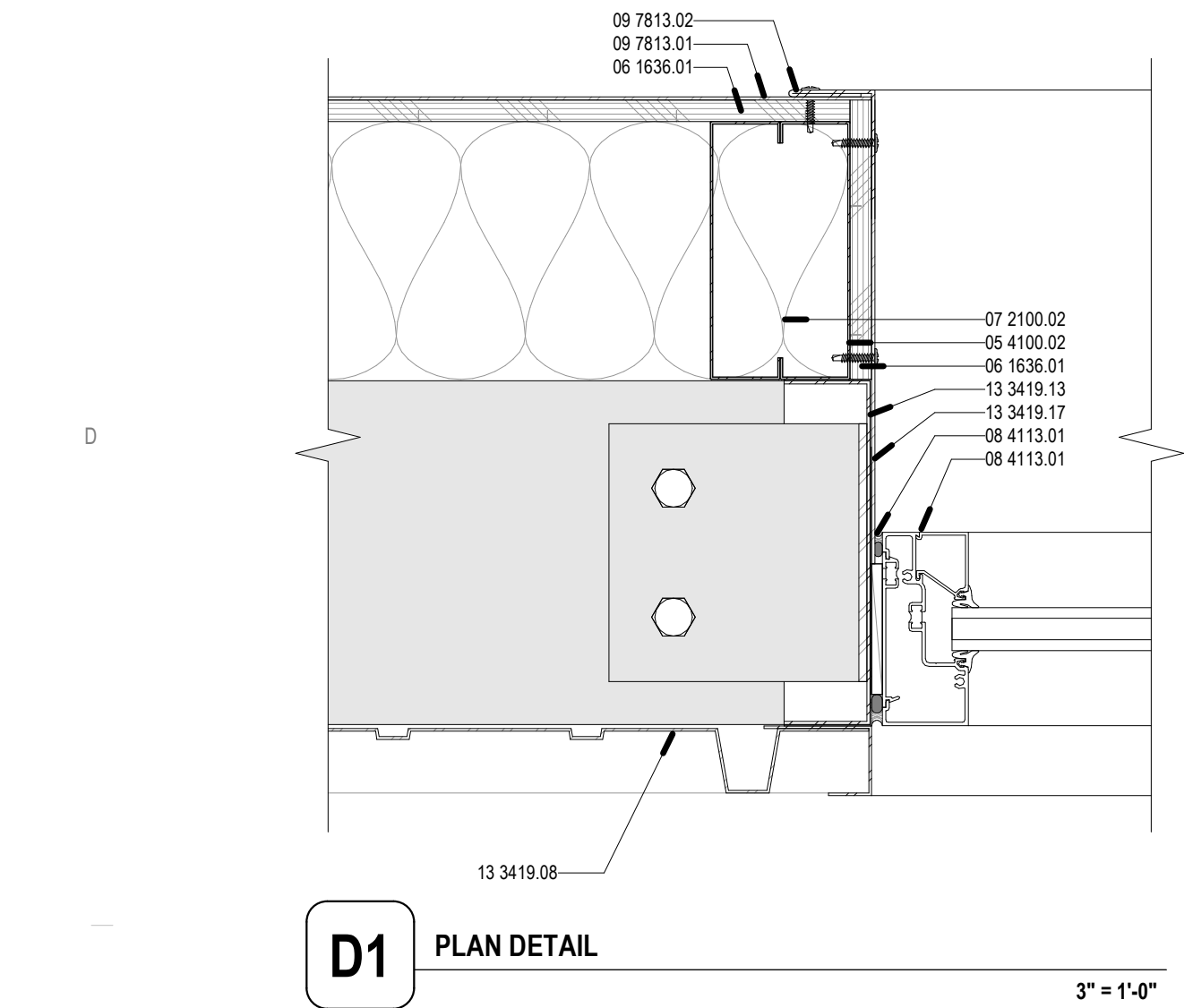
E2 PLAN DETAIL
3" = 1'-0"



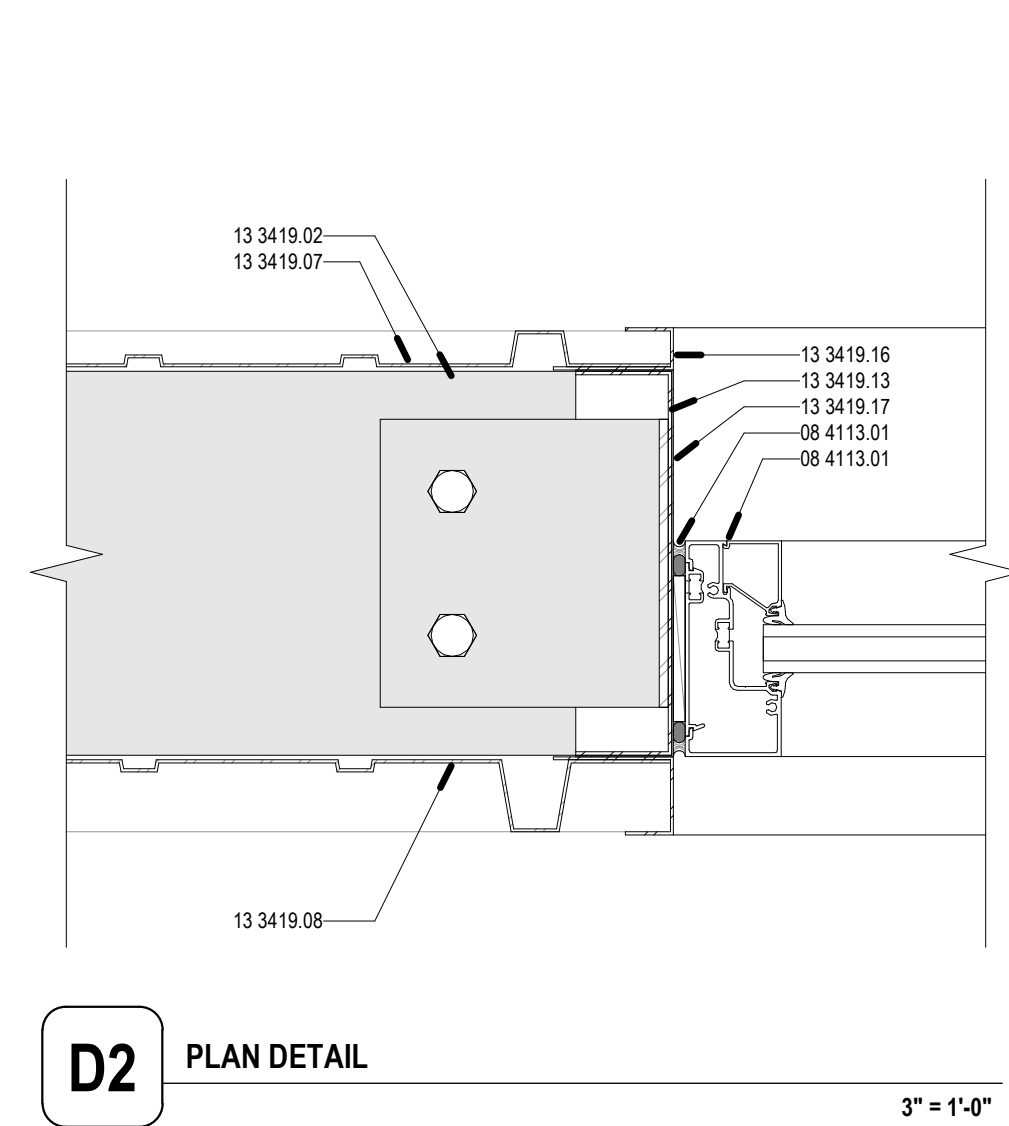
E3 PLAN DETAIL
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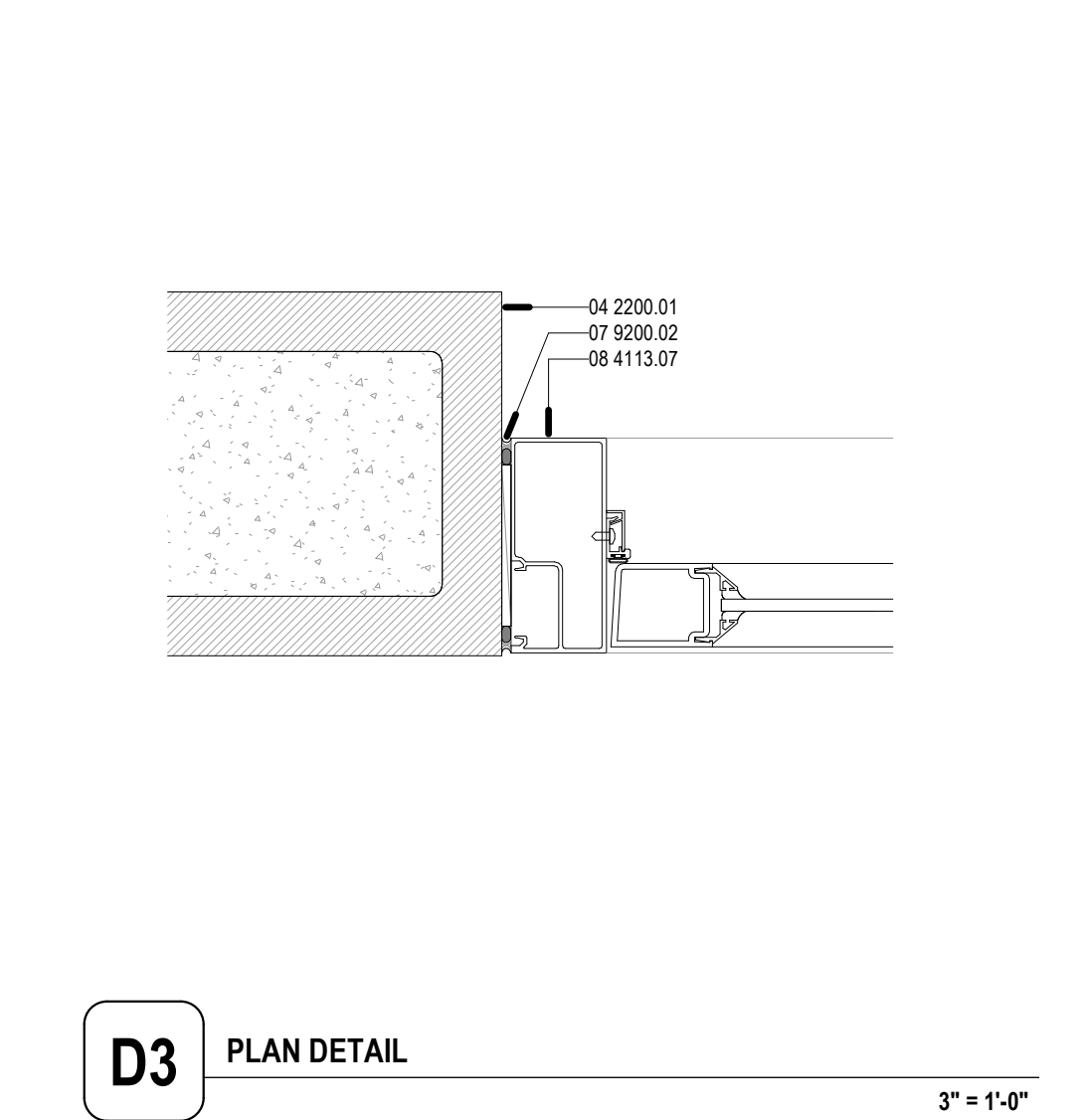
E5 PLAN DETAIL
3" = 1'-0"



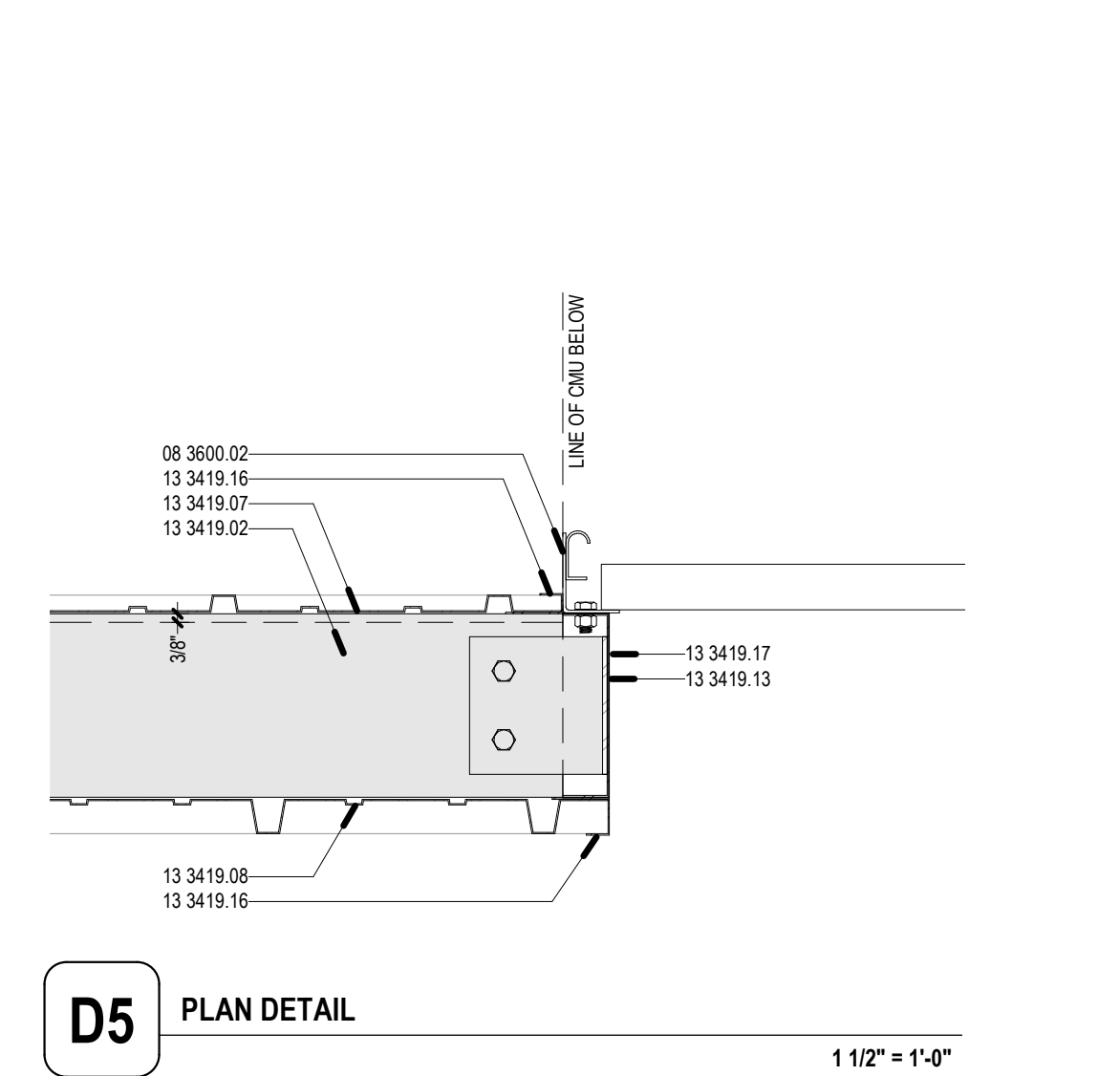
D1 PLAN DETAIL
3" = 1'-0"



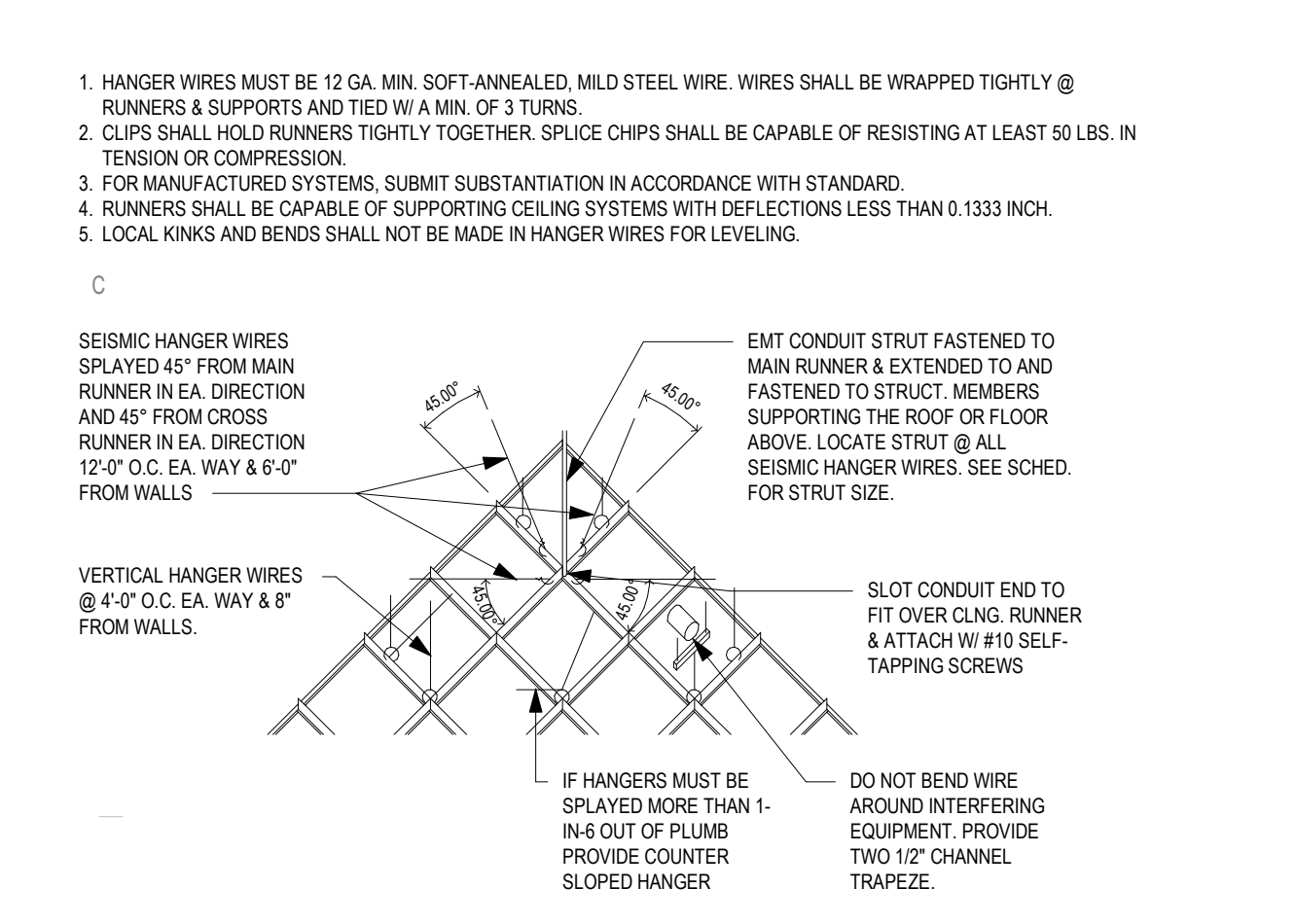
D2 PLAN DETAIL
3" = 1'-0"



D3 PLAN DETAIL
3" = 1'-0"



D5 PLAN DETAIL
1 1/2" = 1'-0"

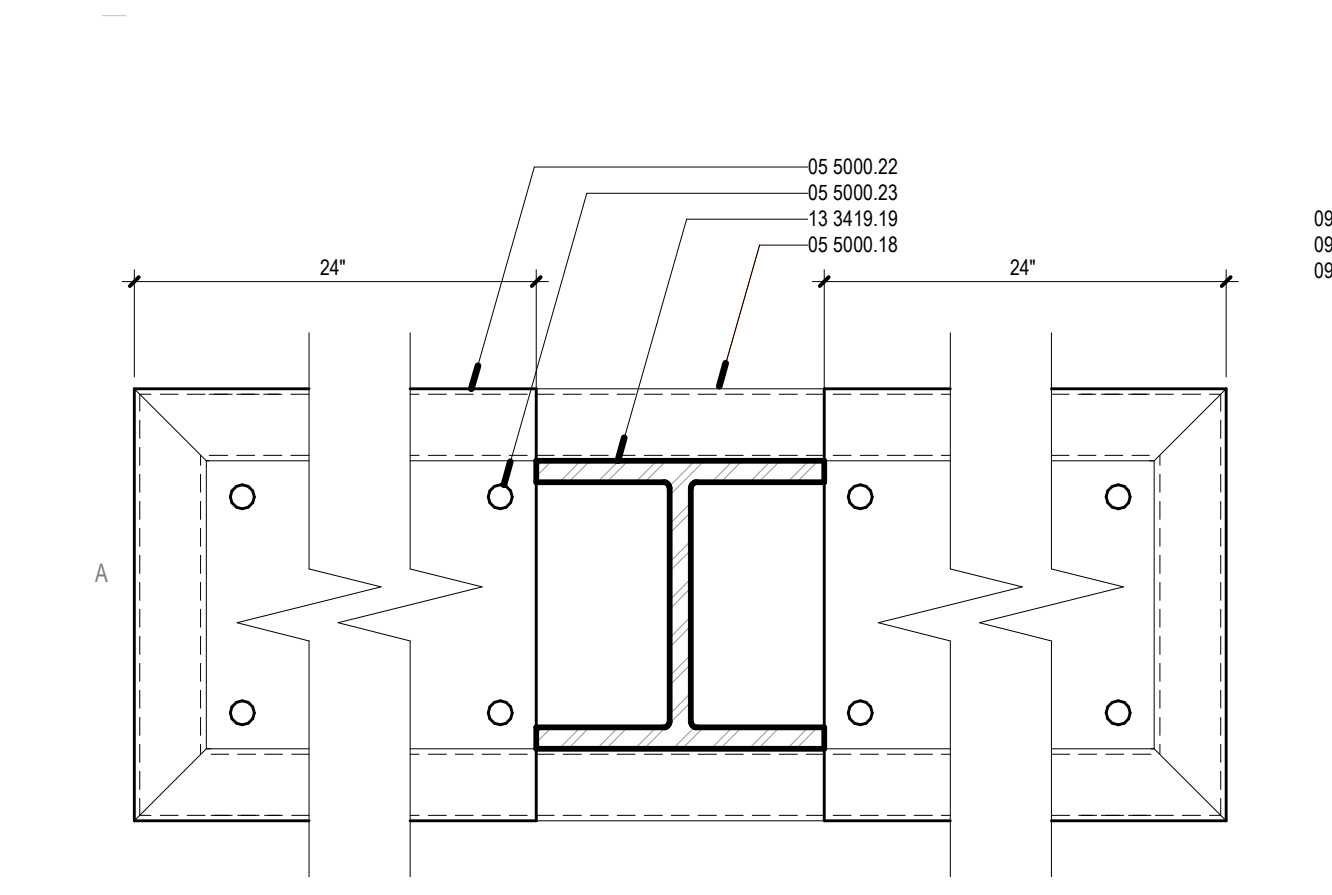


C2 PLAN DETAIL
3" = 1'-0"

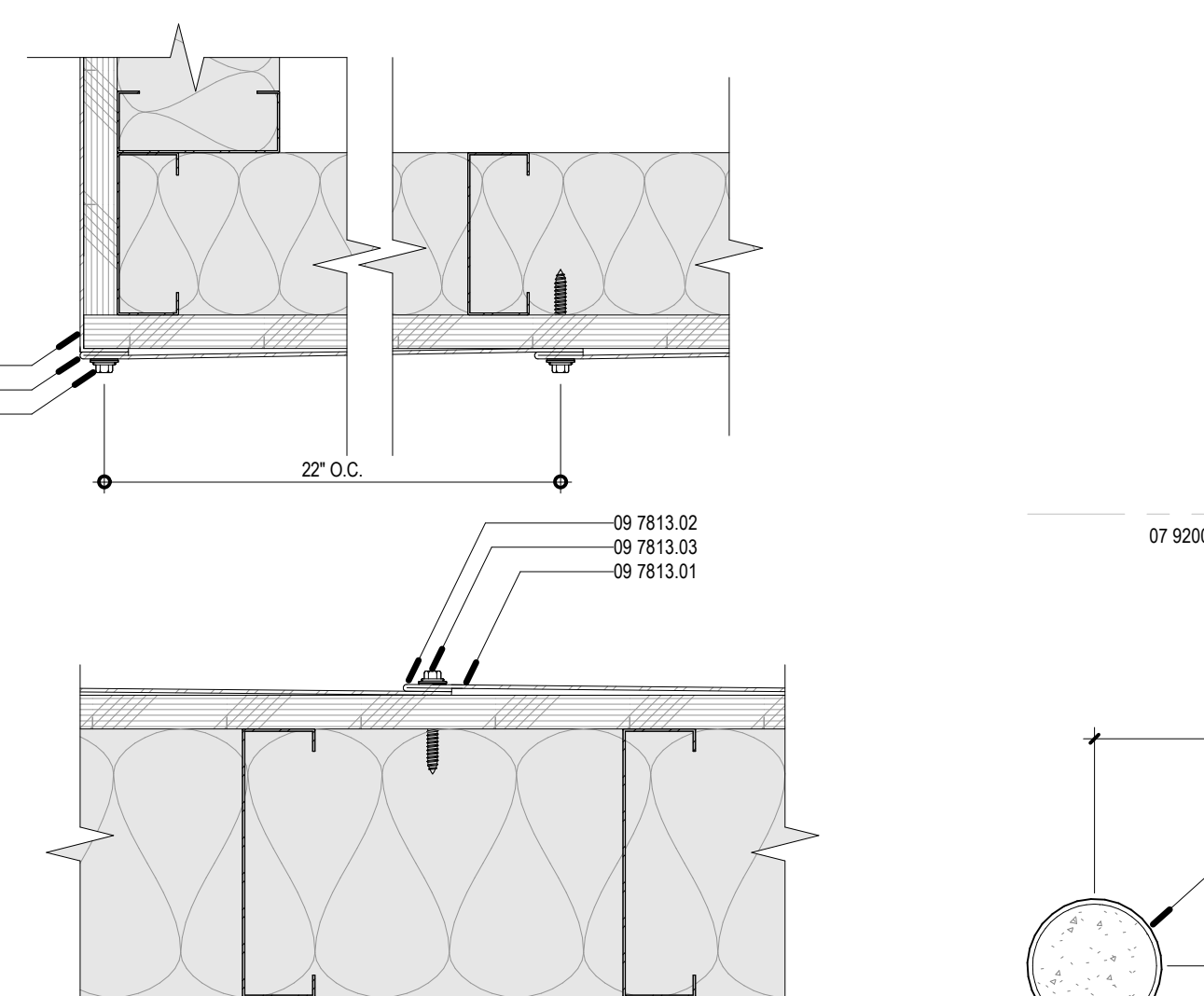
EMT SIZE	AREA (in ²)	R (in)	MAX HEIGHT
1/2"	0.888	0.238	48" OR 4'-0"
3/4"	0.134	0.339	62" OR 5'-2"
1"	0.198	0.392	78" OR 6'-6"
1 1/4"	0.295	0.511	102" OR 8'-6"
1 1/2"	0.342	0.593	118" OR 9'-10"
SINGLE STUD			
EMT SIZE	AREA (in ²)	R (in)	MAX HEIGHT
25 GA X 2 1/2"	0.894	0.401	84" OR 7'-0"
25 GA X 3 1/2"	0.113	0.684	81" OR 6'-9"
20 GA X 1 5/8"	0.185	0.603	121" OR 10'-1"
20 GA X 2 1/2"	0.215	0.606	137" OR 11'-5"
20 GA X 3 1/2"	0.250	0.696	119" OR 9'-11"
DOUBLE STUD			
EMT SIZE	AREA (in ²)	R (in)	MAX HEIGHT
25 GA X 2 1/2"	0.094	1.011	202" OR 16'-10"
25 GA X 3 1/2"	0.113	1.359	272" OR 22'-8"
20 GA X 1 5/8"	0.185	0.689	136" OR 11'-4"
20 GA X 2 1/2"	0.215	1.035	207" OR 17'-3"
20 GA X 3 1/2"	0.250	1.409	282" OR 23'-6"



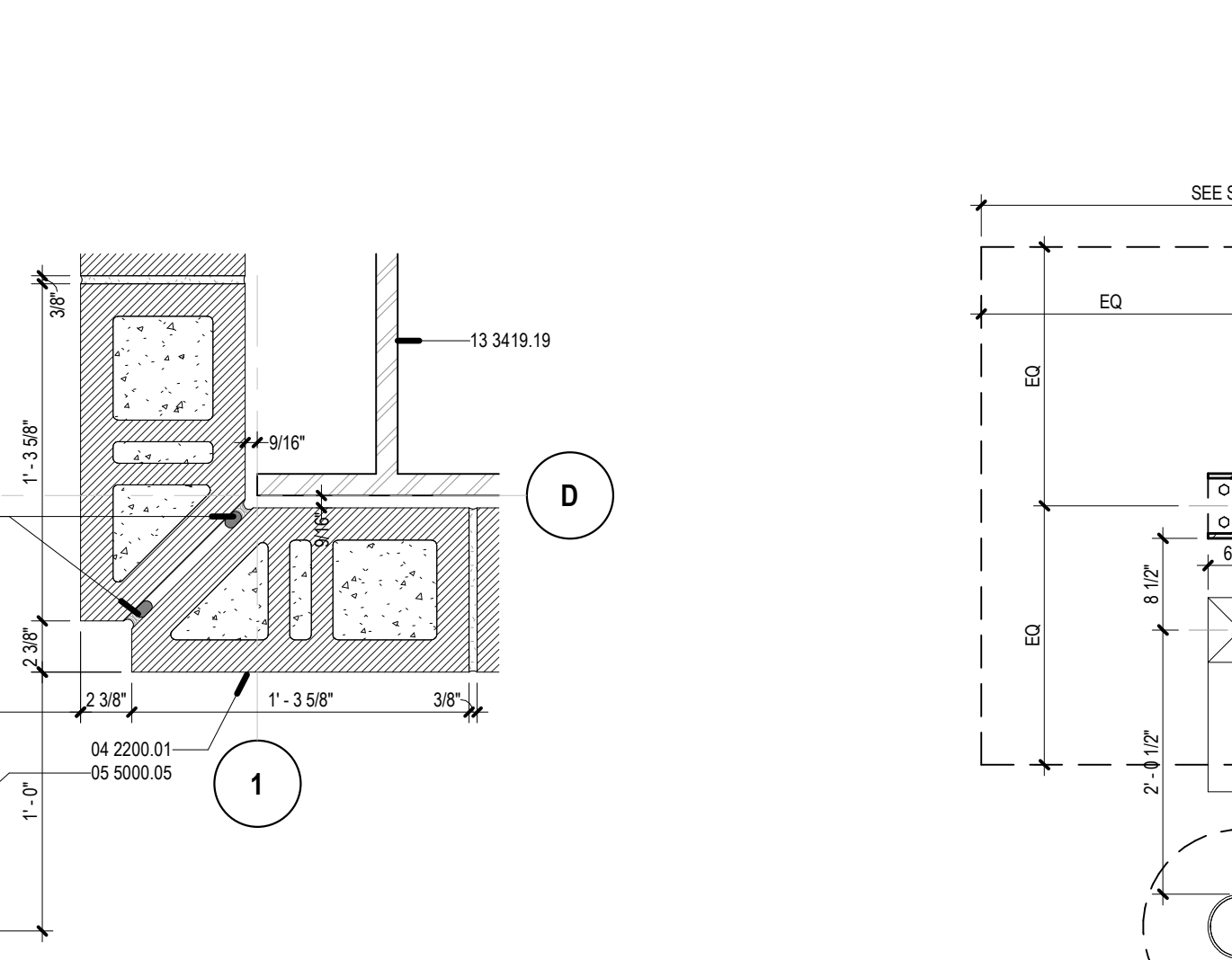
B1 SEISMIC BRACING DIAGRAM
1/4" = 1'-0"



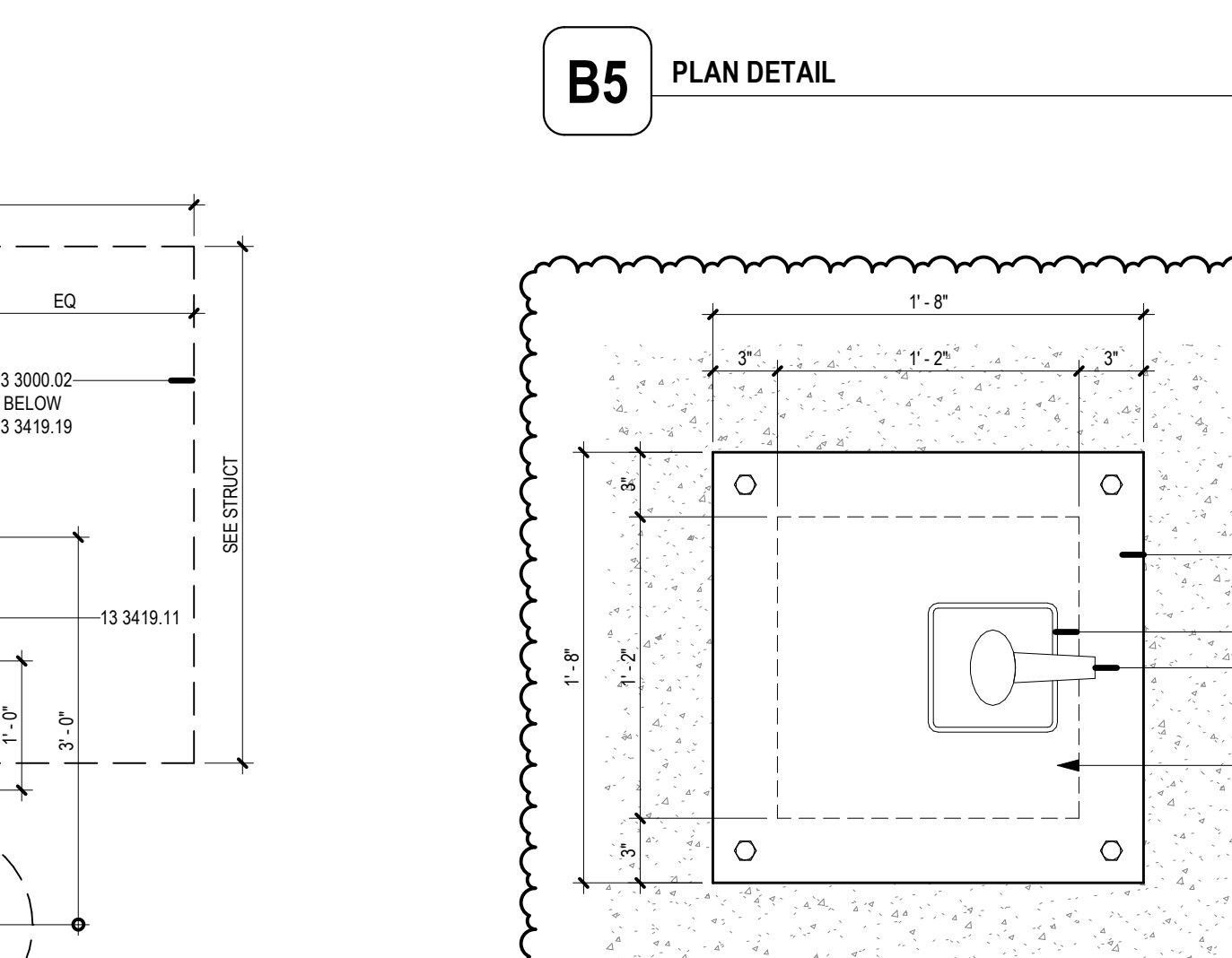
A1 PLAN DETAIL
3" = 1'-0"



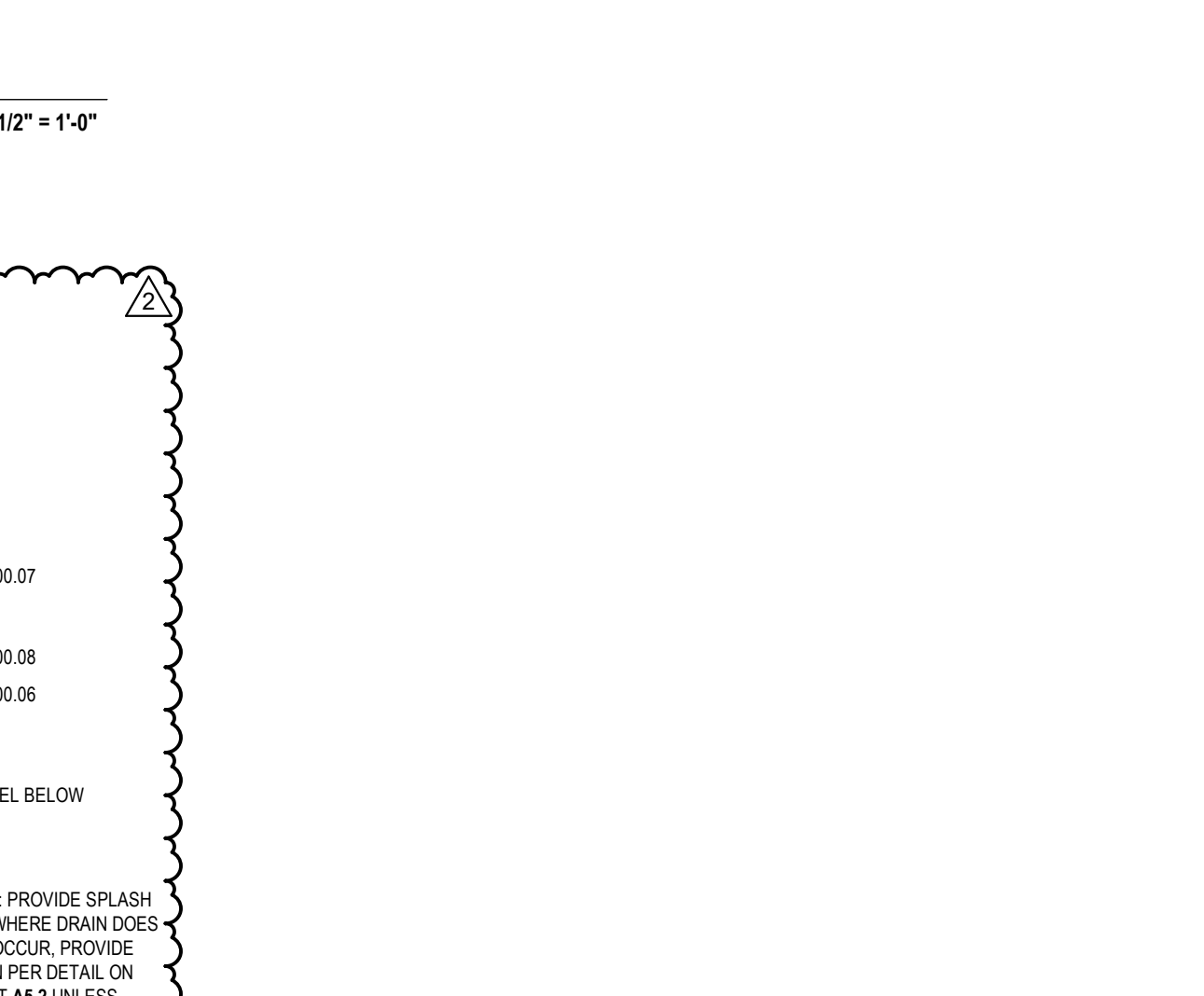
A2 PLAN DETAIL
3" = 1'-0"



A3 PLAN DETAIL
1 1/2" = 1'-0"



A4 PLAN DETAIL
3/4" = 1'-0"



A5 PLAN DETAIL
1 1/2" = 1'-0"

7/5/2023 12:41 PM

GENERAL SHEET NOTES

- A. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (REFERENCE CIVIL DRAWINGS FOR M.S.L.E IF APPLICABLE)
- B. ALL DIMENSIONS ARE TO FACE OF STUD, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE.
- C. SEE 61.2 FOR TYPICAL MOUNTING HEIGHTS
- D. SEE SLAB EDGE PLAN FOR CONCRETE CONTROL JOINT LOCATIONS
- E. SEE REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO
- F. SEE EXTERIOR ELEVATIONS FOR LOCATIONS, TYPE & FINISH OF WALLS.
- G. SEE FINISH SCHEDULE FOR FINISHES
- H. ANY WOOD FRAMING MEMBER IN CONTACT WITH CONCRETE TO BE TREATED

REFERENCE KEYNOTES

- 0.06 WALL PER PLAN
- 0.08 CONTRACTOR TO COORDINATE LOCATION OF COLUMNS, PEDESTALS AND BASE PLATES WITH ADJACENT PLUMBING
- 03 3000.01 CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 03 3000.05 CONCRETE, SLOPE TO DRAIN
- 03 3000.06 1" THICK CONCRETE, NO REINFORCEMENT, TO BE BROKEN OUT IF ACCESS TO WATER VALVE IS REQUIRED
- 03 3000.07 TRENCH DRAIN BEDDING CONCRETE, SEE STRUCTURAL
- 04 2200.01 CONCRETE MASONRY (CMU), (WHHL) 8"x8"x16" NOMINAL, STACK BOND
- 05 1200.03 STEEL CHANNEL, SEE STRUCTURAL
- 05 4100.02 8" METAL STUD FRAMING
- 05 4100.03 3.5" METAL STUD FRAMING
- 05 5000.02 STEEL D-RING TIE DOWN
- 05 5000.10 FILL BOLLARD WITH 1/2" LIMESTONE SCREENINGS
- 05 5000.11 6" X 6" X 1/4" STEEL SQUARE TUBE BOLLARD WITH CAP AND BOLT FLANGE, FULLY HOT-DIPPED, PAINT
- 05 5000.12 CONTINUOUSLY WELD STEEL PLATE TO STEEL SQUARE TUBE BOLLARD, OPENING TO MATCH TUBE SHAPE
- 05 5000.13 EPOXY SET ANCHOR
- 05 5213.03 2" STEEL PIPE, SCHEDULE 40, PAINT
- 05 5213.04 4" STEEL PIPE, SCHEDULE 40, PAINT
- 06 1636.02 1/2" PLYWOOD SHEATHING, BC OR BD GRADE, B SIDE FACING INTERIOR SPACE
- 06 1636.04 PLYWOOD SHEATHING, BC OR BD GRADE, B SIDE FACING INTERIOR SPACE, THICKNESS VARIES BY LOCATION, SEE PARTITION TYPE LEGEND, INTERIOR ELEVATIONS AND FINISH LEGEND
- 06 2000.01 SOLID WOOD BOARD, DOUGLAS FIR, 1 1/2" THICKNESS, CLEAR FINISH
- 06 2000.02 FULL CAVITY BATT INSULATION
- 07 2100.02 FULL CAVITY BATT INSULATION
- 07 5000.08 BACKER ROD AND SEALANT
- 08 1113.01 HOLLOW METAL DOOR AND FRAME
- 08 1113.04 LOW EXPANSION OPEN-CELL POLYURETHANE FOAM GROUT
- 08 3600.01 MANUAL OPERATED, INSULATED OVERHEAD SECTIONAL DOOR, COLOR TBD BY ARCHITECT
- 08 3600.03 WEATHERSTRIPPING
- 08 4113.01 ALUMINUM-FRAMED STOREFRONT SYSTEM
- 08 4113.07 ALUMINUM STOREFRONT ENTRY DOOR SYSTEM
- 09 5232.01 5 1/4" X 3/4" T&G WOOD CEILING
- 09 6200.01 TROWEL-ON RESILIENT RUBBER FLOORING
- 09 7813.01 22 GA GALVANIZED STEEL SHEET, 24" STRIPS
- 13 3419.01 METAL BUILDING RIGID FRAME
- 13 3419.05 FIBERGLASS BATT WALL INSULATION
- 13 3419.08 1 1/2" METAL WALL PANEL
- 13 3419.13 C CHANNEL FRAMING
- 13 3419.15 8" WALL C GIRT
- 13 3419.16 J TRIM
- 13 3419.17 SHEET METAL JAMB CAP TRIM, FINISH TO MATCH ADJACENT METAL PANELS
- 22 0000.06 FREEZE-PROOF YARD HYDRANT, SEE PLUMBING
- 22 0000.07 LINEAR TRENCH DRAIN, SEE PLUMBING

LEGEND

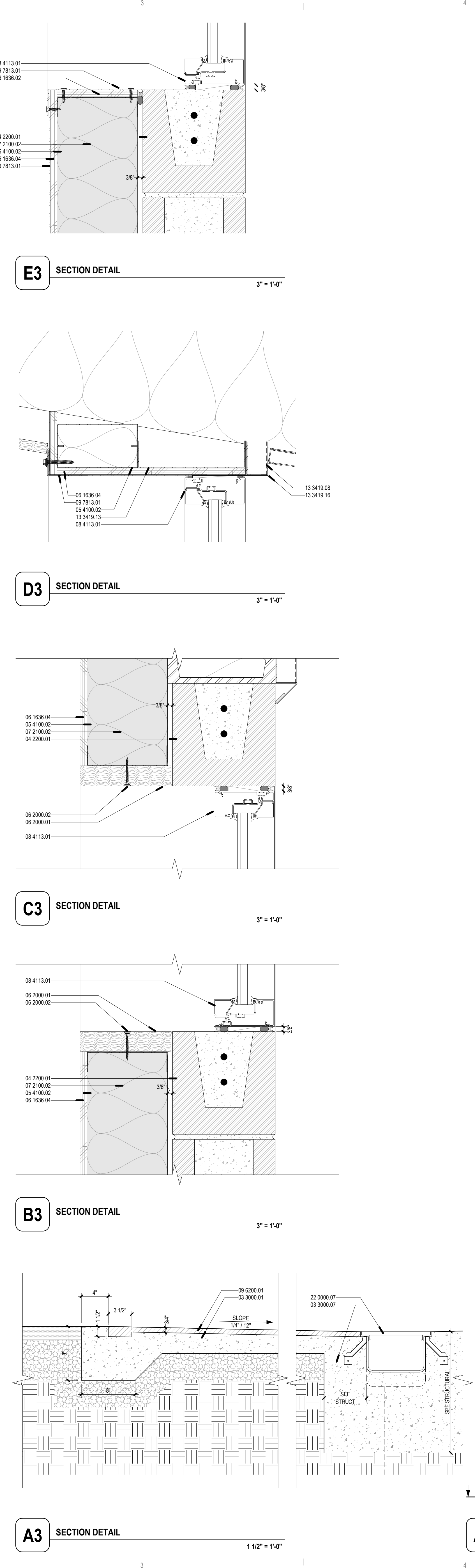
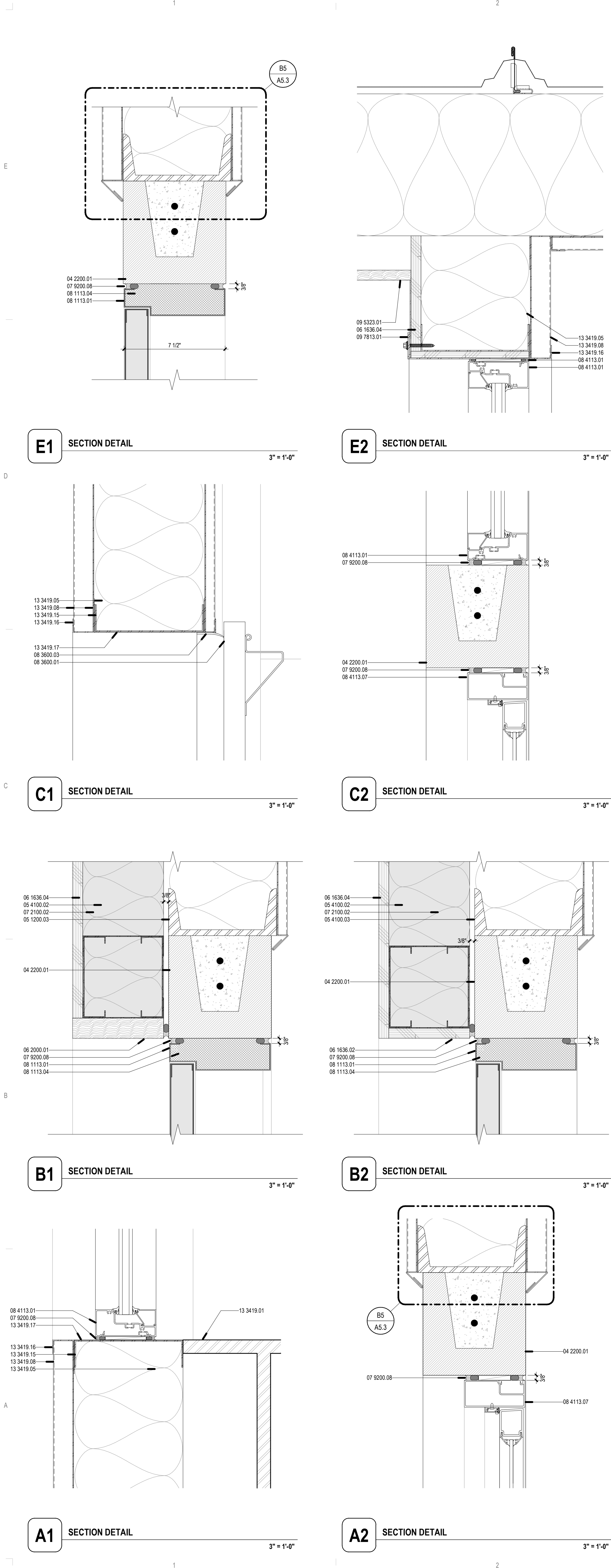
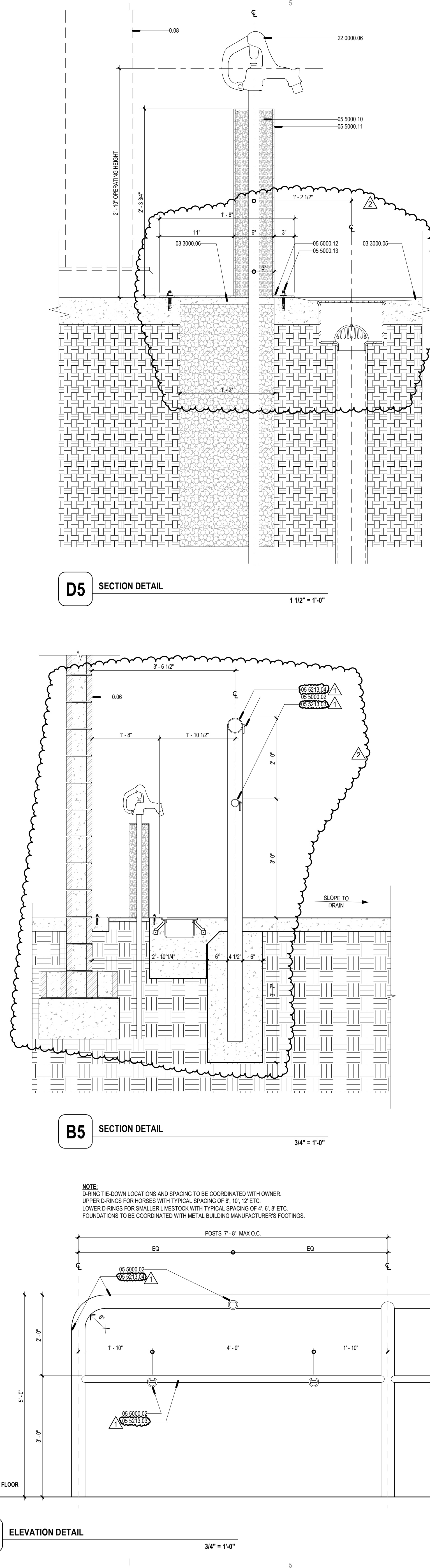
REVISIONS

1	6/27/2023	ADDENDUM #1
2	7/5/2023	ADDENDUM #2

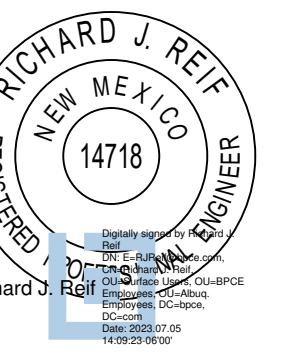
NOTES

DRAWN BY: SS
REVIEWED BY: ST
DATE: 6/9/2023
PROJECT NO: #23-0003

KEY PLAN



NOTE:
D-RING TIE-DOWN LOCATIONS AND SPACING TO BE COORDINATED WITH OWNER.
UPPER D-RINGS FOR HORSES WITH TYPICAL SPACING OF 8', 10', 12' ETC.
LOWER D-RINGS FOR SMALLER LIVESTOCK WITH TYPICAL SPACING OF 4', 6', 8' ETC.
FOUNDATIONS TO BE COORDINATED WITH METAL BUILDING MANUFACTURER'S FOOTINGS.

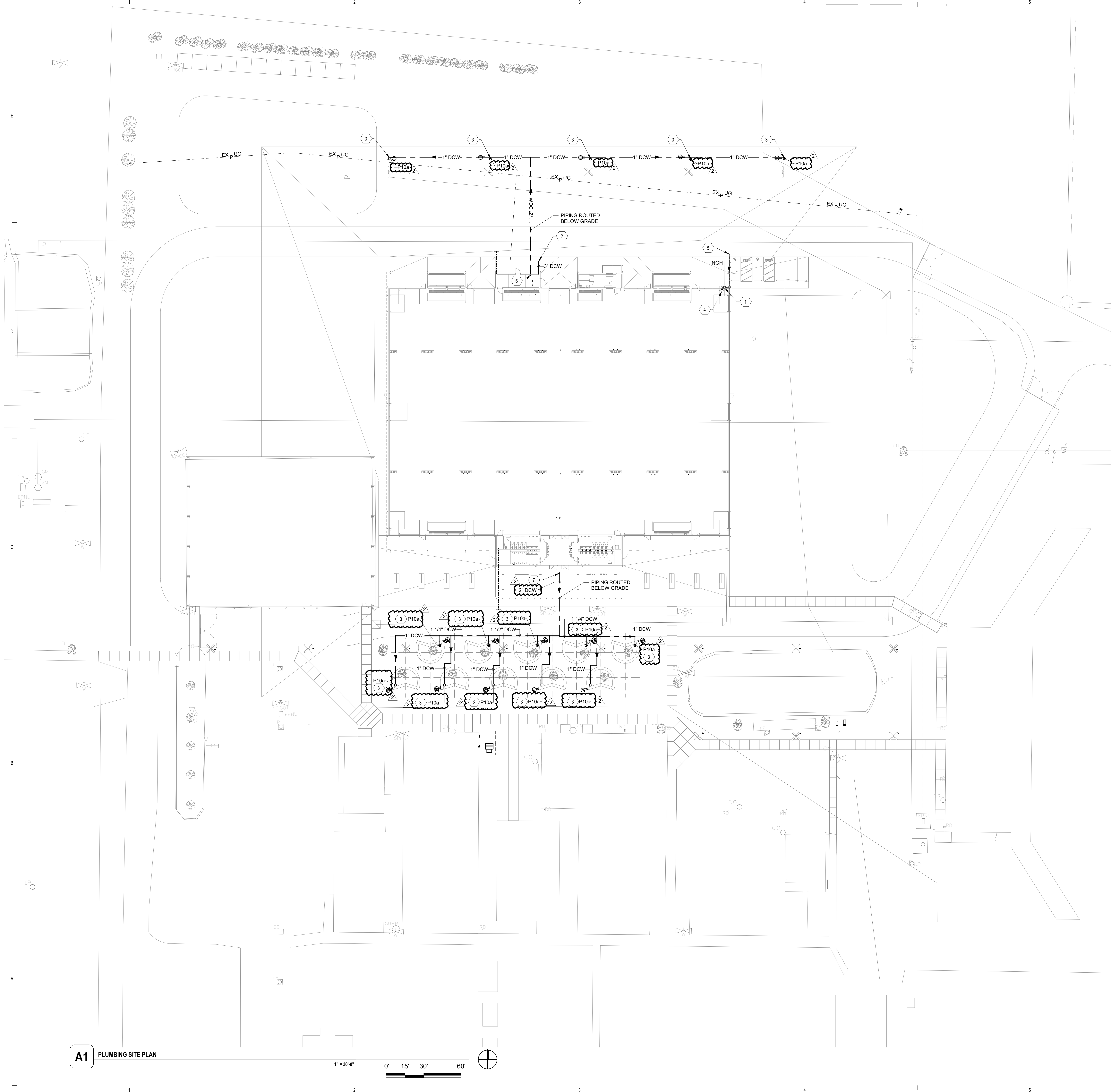


GENERAL SHEET NOTES

- A. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE CITY UTILITY DEPARTMENT AS TO LOCATION AND SCHEDULING OF TIE-INS / CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- B. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- C. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO BACKFILLING.
- D. DRAWINGS MAY NOT SHOW ALL EXISTING UTILITIES.
- E. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- F. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- G. CONTRACTOR SHALL REFER TO ARCHITECTURAL & PLUMBING PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE: SANITARY SEWER, LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, AND GAS SERVICE BEFORE COMMENCING ANY UTILITY WORK.
- H. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF EXISTING SLOPED PAVING, RAMPS, SIDEWALKS AND BUILDING ENTRANCE LOCATIONS WITH LOCATION AND SIZE OF DOWNSPOUTS.
- I. ALL SANITARY SEWER AND WATER LINES SHALL COMPLY WITH THE REQUIREMENTS AS SPECIFIED IN THE SITE WORK SPECIFICATIONS.
- J. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS OF THE SITE.
- K. ALL DOMESTIC WATER BELOW GRADE ONSITE SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINISHED GRADE.
- L. COORDINATE ALL SITE GAS AND DCW PIPING ROUTED ON SITE WITH ELECTRICAL AND CIVIL SITE PLANS.

SHEET KEYNOTES

- 1. NEW GAS METER AND REGULATOR TO ACCOMMODATE AN ADDITIONAL GAS LOAD OF 3,300 MBH @ 2 PSI. A FULL BORE ISOLATION VALVE SHALL BE PROVIDED PRIOR TO ANY DISTRIBUTION INTO THE PIPED SYSTEM. COORDINATE WITH LOCAL GAS COMPANY FOR ALL REQUIREMENTS. REGULATOR SHALL BE INSTALLED A MINIMUM OF 10FT FROM ALL VERTICAL PENETRATIONS AND 1 FT FROM DOORS AND WINDOW OPENINGS.
- 2. REFER TO CIVIL FOR CONTINUATION TO WATER METER AND CONTINUATION TO CITY MAIN.
- 3. 1" DCW PIPING ROUTED BELOW GRADE TO FREEZELESS HYDRANT (FHZ) REFER TO R2P-5.1 FOR ADDITIONAL DRAIN INFORMATION. COORDINATE INSTALLATION WITH ELECTRICAL LIGHTING POLE AND UNDERGROUND POWER. MAINTAIN 12" FROM ELECTRICAL CONDUIT BELOW GRADE.
- 4. 2" (2 PSI) GAS LINE ROUTED TO BUILDING. REFER TO SHEET PP1.1 FOR CONTINUATION.
- 5. REFER TO CIVIL FOR CONTINUATION TO HIGH PRESSURE GAS LINE ON SITE. LINE SIZE SHALL BE DETERMINED BY NMGC.
- 6. REFER TO PP1.1 FOR CONTINUATION.
- 7. REFER TO P-4.1 FOR CONTINUATION.



REVISIONS

7/09/2023	Addendum 2

NOTES

DRAWN BY	MARIPONMIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
PLUMBING SITE PLAN

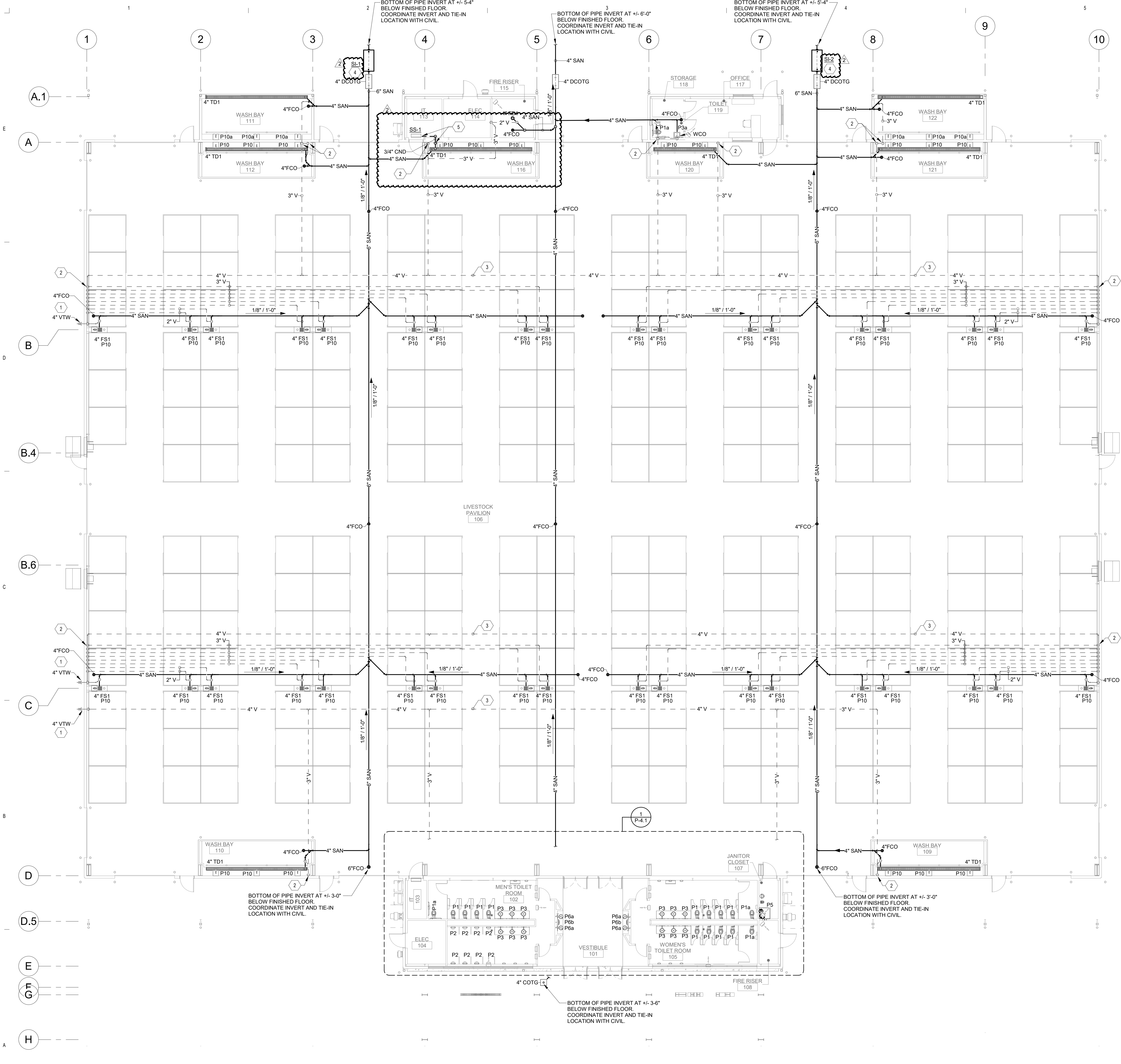
PS1.1

GENERAL SHEET NOTES

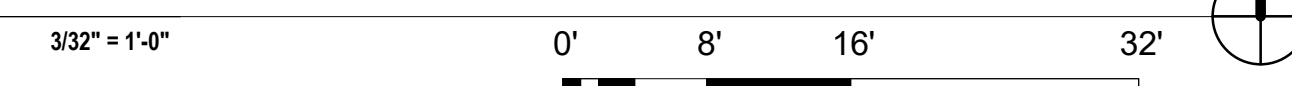
- A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- B. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATINGS SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- C. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CAULKING MATERIAL. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- D. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- E. REFER TO DRAWING P-7.1 FOR PLUMBING ROUGH IN REQUIREMENTS AND P-5.1 FOR PLUMBING DETAILS.

SHEET KEYNOTES

- 1. VENT THRU WALL MAINTAIN 10 FT FROM ALL FRESH AIR INTAKES. COORDINATE FINAL LOCATION AND PIPE PENETRATION FLASHING REQUIREMENTS WITH ARCHITECTURAL.
- 2. VENT PIPING UP FROM BELOW GRADE AND TIED INTO 4" VENT HEADER LOCATED ABOVE GRADE. PROVIDE WOOD ON ALL VENT LINES ROUTE UP FROM BELOW GRADE. TYPICAL ROUTE PIPING UP ALONG INNER SIDE OF EXTERIOR STEM WALL. PIPING SHALL NOT RISE IN EXTERIOR STEM WALL.
- 3. VENT PIPING ROUTED OVERHEAD. SIZE PER PLAN.
- 4. SOLIDS INTERCEPTOR. REFER TO SOLIDS INTERCEPTOR SCHEDULE ON SHEET P-7.1 AND DETAIL ASP-2. PROVIDE REINFORCED CONCRETE COLLAR AND INSTALL PER MANUFACTURERS INSTALLATION REQUIREMENTS.
- 5. PUMPED CONDENSATE DRAIN ROUTED UP AS HIGH AS POSSIBLE TO 3/4" GRAVITY DRAIN. ROUTE AND SLOPE DRAIN TO NEAREST TRENCH DRAIN. TERMINATE AT TRENCH DRAIN DIRECTLY WITH 2" MIN AIR GAP. SUPPORT BRACE AND SLOPE PIPING.



A1 WASTE & VENT FLOOR PLAN



REVISIONS

7/19/2023	Addendum 2
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NOTES

DRAWN BY	MARIPONMIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
WASTE & VENT FLOOR PLAN

PL1.1

GENERAL SHEET NOTES

- A. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- B. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- C. PROVIDE HINGED ACCESS DOORS FOR VALVES. WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22. ACCESS DOOR RATINGS SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- D. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CALKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CALKING MATERIAL. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- E. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- G. REFER TO DRAWING P-7.1 FOR PLUMBING ROUGH IN REQUIREMENTS AND P-5.1 FOR PLUMBING DETAILS.

SHEET KEYNOTES

- 1. DCW PIPING ROUTED BELOW GRADE.
- 2. PRV AND BACKFLOW ASSEMBLY. REFER TO DETAIL A5P5.2 FOR ADDITIONAL INFORMATION.
- 3. 1" DCW PIPING ROUTED BELOW GRADE TO RV HOOK-UP. REFER TO PS1.1 FOR CONTINUATION.
- 4. 1" DCW PIPING ROUTED BELOW GRADE TO FOOD TRUCK HOOK-UP. REFER TO PS1.1 FOR CONTINUATION.
- 5. CONNECT GAS PIPING TO MECHANICAL UNIT WITH UNION. LUBRICATED PLUG VALVE, DIRT LEG, & FLEXIBLE CONNECTION PER MANUFACTURER'S REQUIREMENTS.
- 6. VENTLESS REGULATOR SHALL REDUCE PRESSURE DOWN FROM 2 PSI DOWN TO 7" TO 14" WATER COLUMN TO ACCOMMODATE A TOTAL CONNECTED LOAD OF 150 MBH @ 18 FT. SIZED @ 20 FT. PER UPC TABLE 1215.2(1).
- 7. VENTLESS REGULATOR SHALL REDUCE PRESSURE DOWN FROM 2 PSI DOWN TO 7" TO 14" WATER COLUMN TO ACCOMMODATE A TOTAL CONNECTED LOAD OF 150 MBH @ 5 FT. SIZED @ 10 FT. PER UPC TABLE 1215.2(1).
- 8. 3/4" DCW UP FROM BELOW GRADE TO HYDRANT. CONNECT TO HYDRANT PER MANUFACTURER'S REQUIREMENTS. ROUTE DRAIN FROM HYDRANT TO SANITARY SYSTEM.
- 9. NEW GAS METER/REGULATOR ASSEMBLY PER LOCAL GAS AUTHORITY. CONNECT FOR AN TOTAL GAS LOAD OF 2,100 MBH. REGULATOR SHALL REDUCE PRESSURE DOWN TO 2 PSI. PROVIDE WITH FULL BORE ISOLATION VALVE. REGULATOR SHALL BE INSTALLED A MIN. OF 12" FROM ALL FRESH-AIR INTAKES, AND A MIN. OF 3'-0" FROM DOORS/WINDOWS.
- 10. WATER HAMMER ARRESTOR. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. PROVIDE WITH ISOLATION BALL VALVE AND ACCESS PANEL. COORDINATE LOCATION WITH ARCHITECTURAL FINISHES AND ACCESSORIES.
- 11. REFER TO CIVIL FOR CONTINUATION TO BACKFLOW PREVENTER IN HEATED ENCLOSURE AND WATER METER ON SITE.
- 12. COORDINATE ROUTING OF GAS PIPING THROUGH PENETRATIONS IN STRUCTURE.

REVISIONS

7/09/2023	Addendum 2
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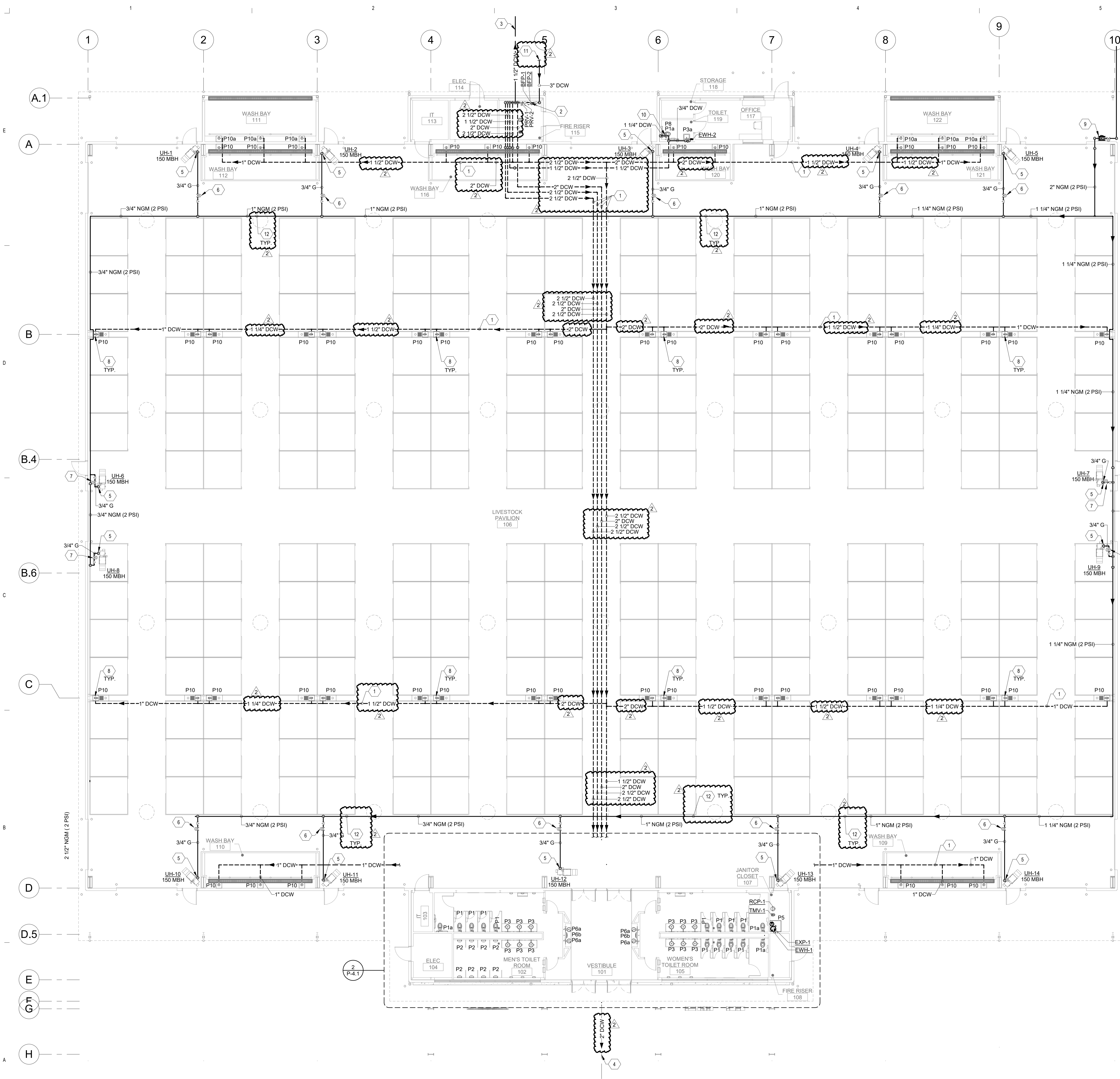
NOTES

DRAWN BY	MARIPON/MIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
PRESSURE PIPING FLOOR PLAN

PP1.1



A1 PRESSURE PIPING FLOOR PLAN
332' x 140'
0' 8' 16' 32'

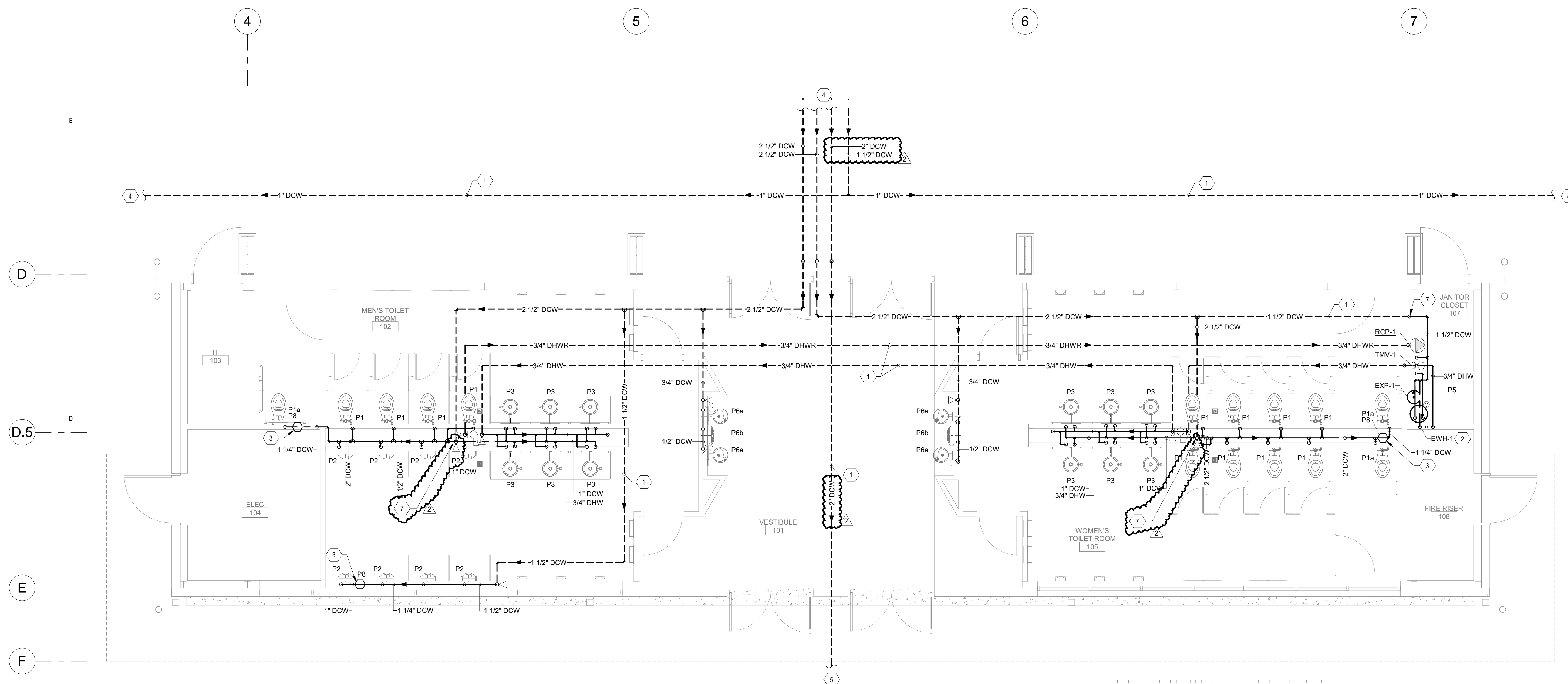
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GENERAL SHEET NOTES

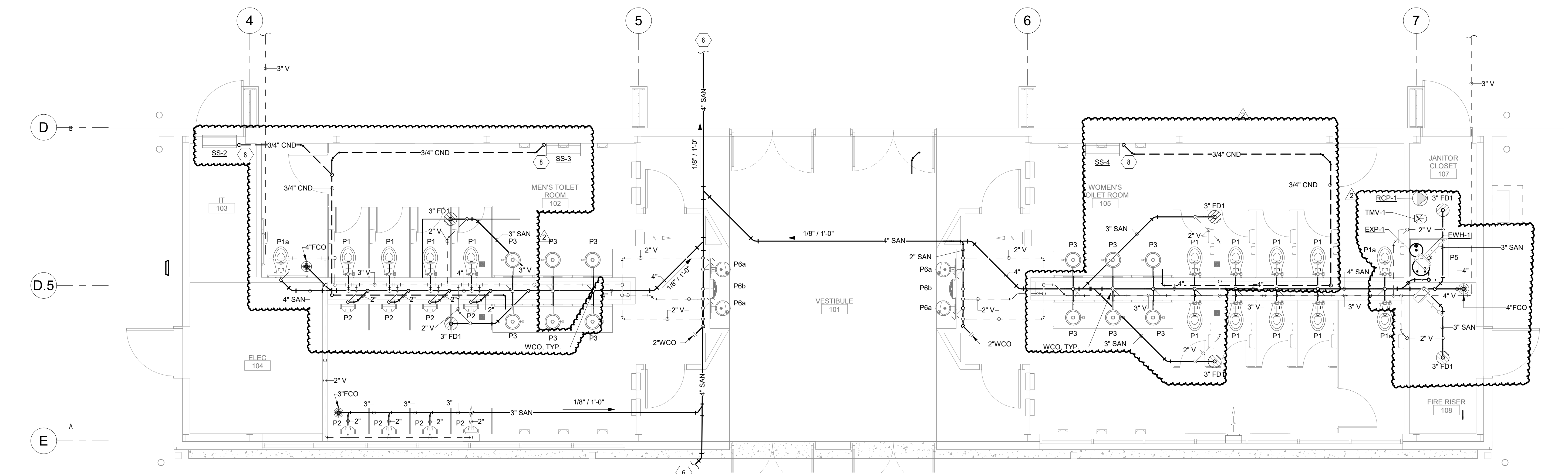
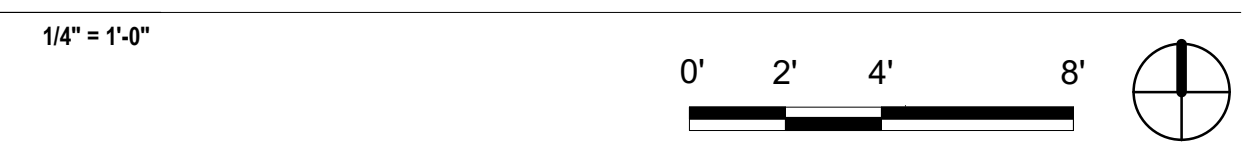
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- E. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
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- G. REFER TO DRAWING P-7.1 FOR PLUMBING ROUGH IN REQUIREMENTS AND P-5.1 FOR PLUMBING DETAILS.

SHEET KEYNOTES

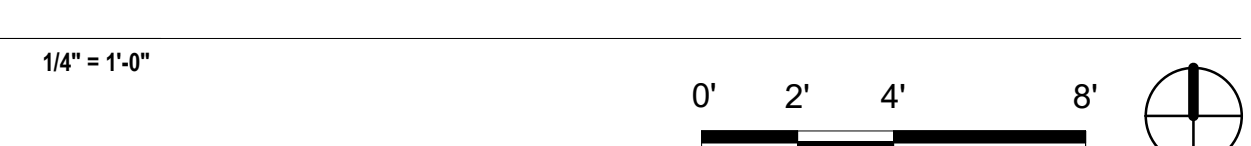
- 1. DCW/DHW PIPING ROUTED BELOW GRADE.
- 2. ELECTRIC WATER HEATER ABOVE MOP SINK. REFER TO DETAILS B1VP-5.1 AND D1P-5.1.
- 3. WATER HAMMER ARRESTOR. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. PROVIDE WITH ISOLATION BALL VALVE AND ACCESS PANEL. COORDINATE LOCATION WITH ARCHITECTURAL FINISHES AND ACCESSORIES.
- 4. REFER TO PPL1.1 FOR CONTINUATION.
- 5. REFER TO PSL1.1 FOR CONTINUATION.
- 6. REFER TO PLL1.1 FOR CONTINUATION.
- 7. PROVIDE ISOLATION BALL VALVE IN RISE.
- 8. PUMPED CONDENSATE DRAIN ROUTED UP AS HIGH AS POSSIBLE TO 3/4" GRAVITY DRAIN. ROUTE AND SLOPE DRAIN TO INTERIOR PLUMBING WALL. DROP IN WALL TO CONCEAL PIPING AND SLOPE TO DRAIN TO LAVATORY P-TRAP AND TERMINATE INDIRECTLY PER CODE.



2 PRSS PIPING Overall - L1 (Anno) - ENLARGED



1 W&V Overall - L1 (Anno) - ENLARGED



REVISIONS

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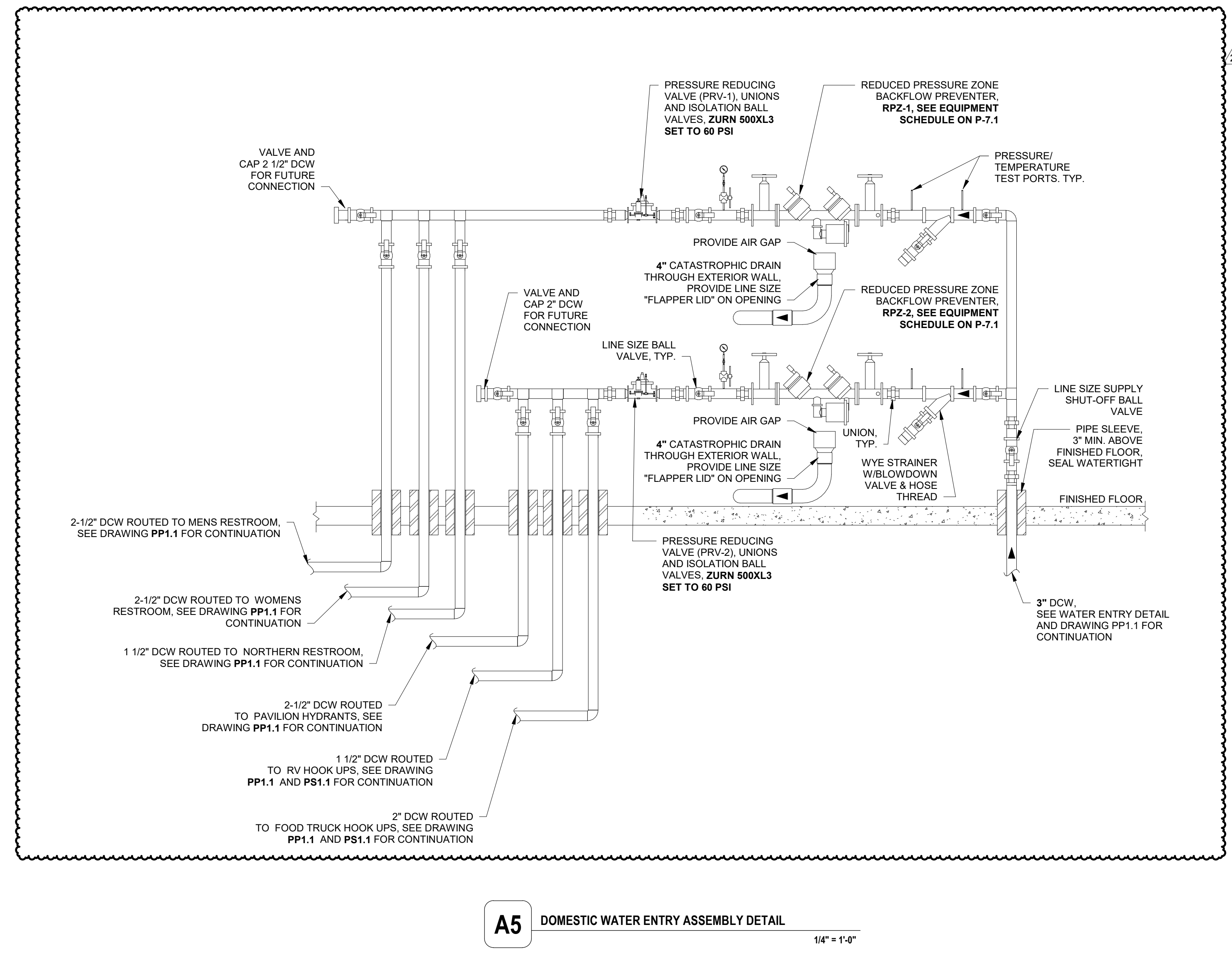
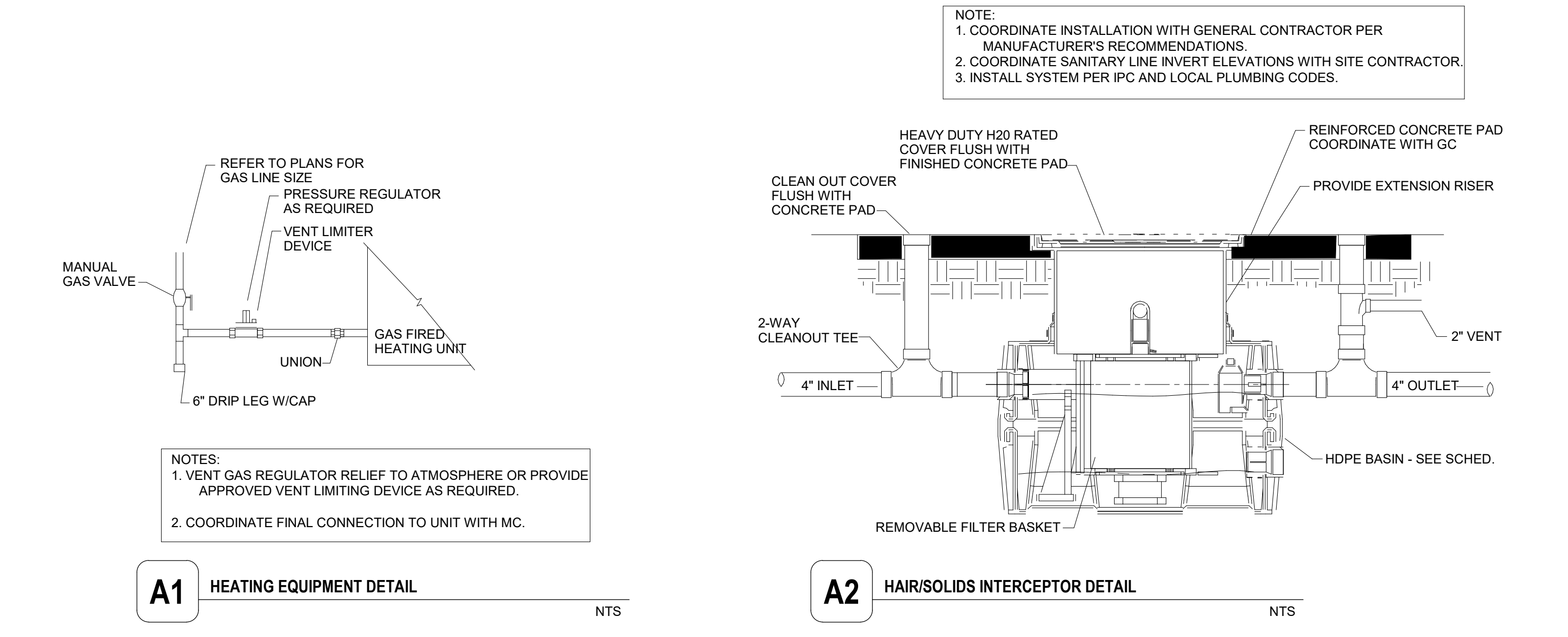
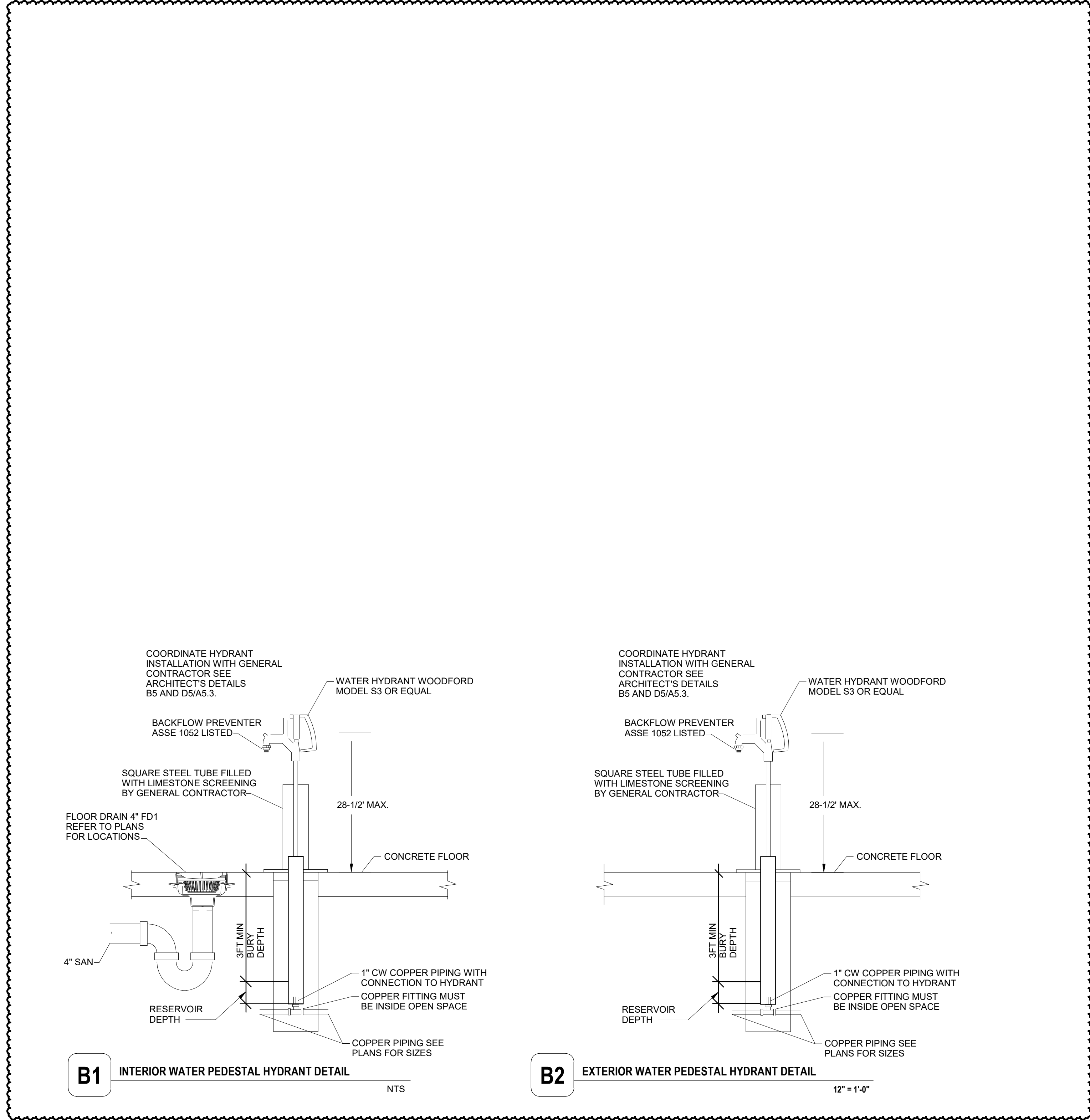
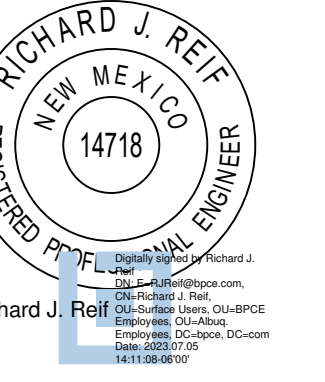
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DRAWN BY	MARIPONMIS
REVIEWED BY	PHW
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
ENLARGED PLUMBING PLANS

P-4.1



REVISIONS

7/09/2023	Addendum 2
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DRAWN BY: MARPNM/MS

REVIEWED BY: PHW

DATE: 06/09/2023

PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
PLUMBING DETAILS

P-5.2

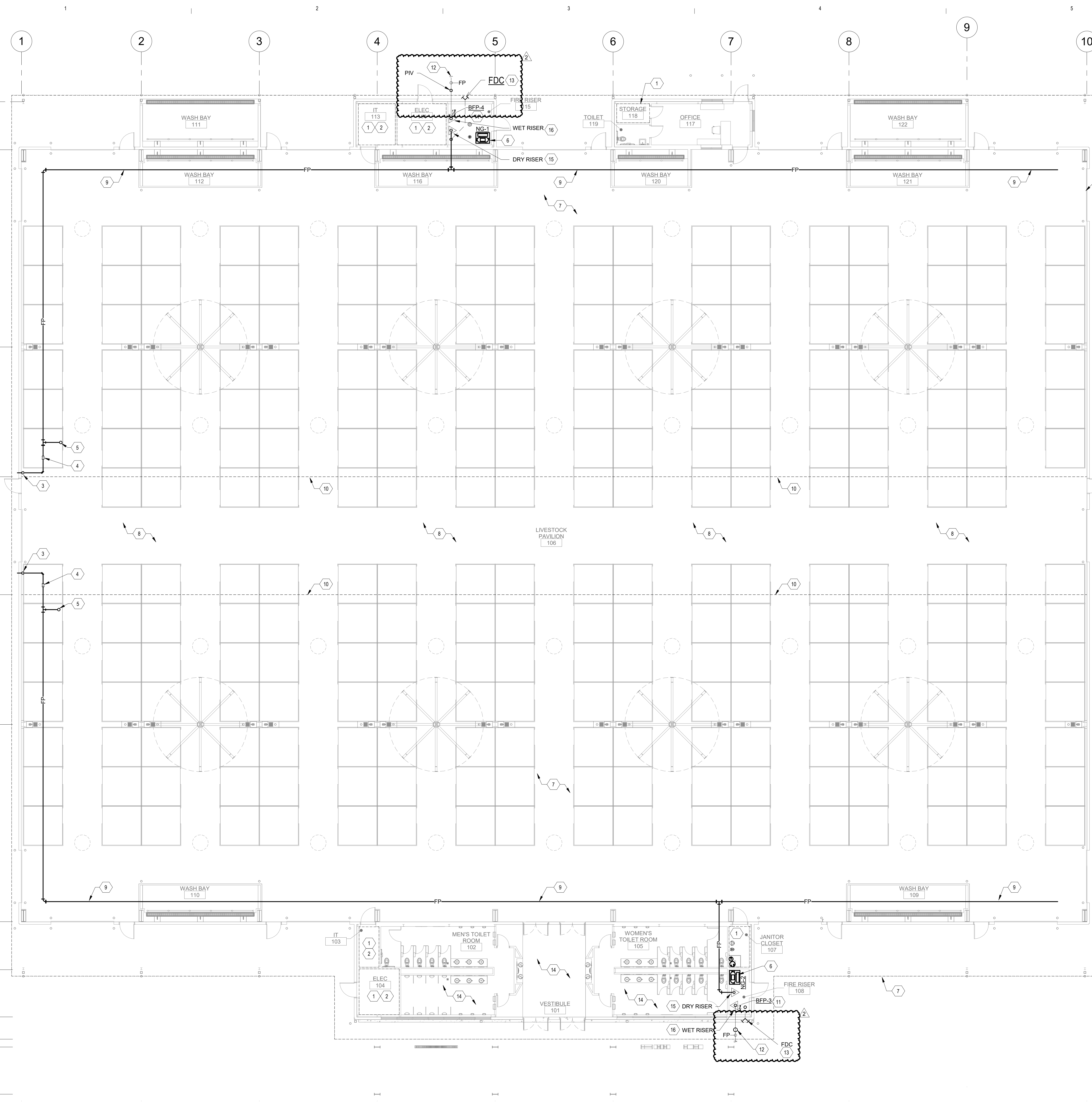
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GENERAL SHEET NOTES

- A. THE CONTRACTOR SHALL COMPLY WITH NFPA-13 AND REQUIREMENTS OF THE AHJ.
- B. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
- C. ALL EQUIPMENT AND MATERIALS SHALL CONFORM TO NFPA STANDARDS AND BE UL LISTED.
- D. SPRINKLER SYSTEMS SHALL BE DESIGNED TO REFLECT THE REQUIREMENTS OF NFPA 13 THROUGHOUT ENTIRE BUILDING, UNLESS NOTED OTHERWISE.
- E. MAXIMUM SPRINKLER HEAD COVERAGE SHALL BE 225 SQ. FT. PER HEAD IN LIGHT HAZARD AREAS.
- F. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO FABRICATION AND DURING INSTALLATION.
- G. THE CONTRACTOR SHALL SUPPLY AND INSTALL AN INSPECTOR'S TEST CONNECTION (ITC) FOR EACH SPRINKLER SYSTEM. RUN THROUGH EXTERIOR WALLS WHERE APPROVED BY ARCHITECT / ENGINEER.
- H. THE ARCHITECT SHALL APPROVE THE AESTHETICS OF THE SPRINKLER HEADS AND EXPOSED PIPING LAYOUT.
- I. PROVIDE PENDANT AND UPRIGHT SPRINKLERS IN ALL CONCEALED COMBUSTIBLE SPACES.
- J. USE FLUSH CONCEALED HEADS IN ALL TOILET ROOMS. PROVIDE SPRINKLERS UNDER CONCEALED SPRINKLER HEADS AT TOP OF SPRINKLERS.

SHEET KEYNOTES

- 1. PROVIDE ORDINARY HAZARD GROUP 1 COVERAGE AT DESIGN DENSITY OF 0.15 GPM/1,500 SQ. FT.
- 2. SUPPLY THIS SPACE WITH A DEDICATED BRANCH LINE. NO OTHER PIPING SHALL RUN THROUGH THIS ROOM.
- 3. TERMINATE IN ACCORDANCE WITH NFPA-13. REFER TO DETAIL A6/FXS.1
- 4. INSPECTOR'S TEST VALVE. REFER TO DETAIL C4/FXS.1
- 5. MOST REMOTE HEAD.
- 6. DRY PIPE SYSTEM. NITROGEN GENERATOR. COORDINATE INSTALLATION WITH ELECTRICAL AND WET RISER. FINAL UNIT SIZE SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION.
- 7. PROVIDE ORDINARY HAZARD GROUP 2 COVERAGE AT DESIGN DENSITY OF 0.20 GPM/1,500 SQ. FT.
- 8. PROVIDE COVERAGE TO CLERESTORY ABOVE. COORDINATE PIPE ROUTING UP TO PROVIDE COVERAGE AS REQUIRED.
- 9. COORDINATE ROUTING OF EAST WEST LINES. MAINS TO BE ROUTED IN HOLES IN STRUCTURE AS HIGH AS POSSIBLE. COORDINATE FIRE MAIN ROUTING WITH PLUMBING PIPING, GARAGE DOOR HEIGHTS, LIGHTING AND MECHANICAL EQUIPMENT LAYOUTS.
- 10. EDGE OF CLERESTORY WALL ABOVE.
- 11. ROUTE 2" DIAMETER INDIRECT DRAIN FROM BACK FLOW PREVENTER TO EXTERIOR. TERMINATE AT EXTERIOR WALL AND PROVIDE WITH FLAPPER AND SPLASH BLOCK. COORDINATE ROUTING IN RISER ROOM AND SLOPE TO DRAIN. BRACE AND SUPPORT PIPING AS REQUIRED.
- 12. COORDINATE FINAL PIV LOCATION AND REQUIREMENTS WITH LOCAL WATER AUTHORITY.
- 13. FINAL FDC LOCATION SHALL BE COORDINATED AND APPROVED BY LOCAL FIRE MARSHALL.
- 14. PIPING IN THIS AREA SHALL BE LOCATED ABOVE TONGUE AND GROOVE CEILING. COORDINATE ROUTING.
- 15. DRY SPRINKLER RISER. REFER TO DETAIL A6/FXS.1 FOR ADDITIONAL INFORMATION.
- 16. WET SPRINKLER RISER AND BACKFLOW PREVENTER. REFER TO DETAIL C3 AND C6 /FXS.1 FOR ADDITIONAL INFORMATION.



A1 FIRE PROTECTION FLOOR PLAN
3/22" = 1'-0"
0' 8' 16' 32'

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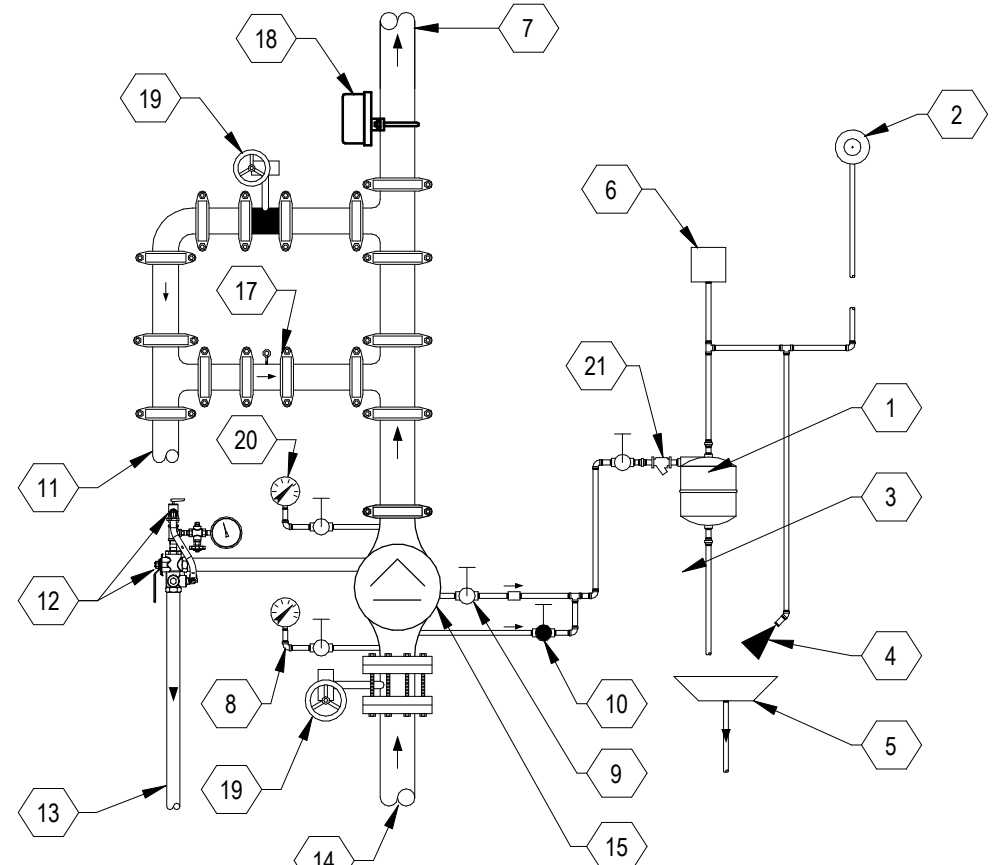
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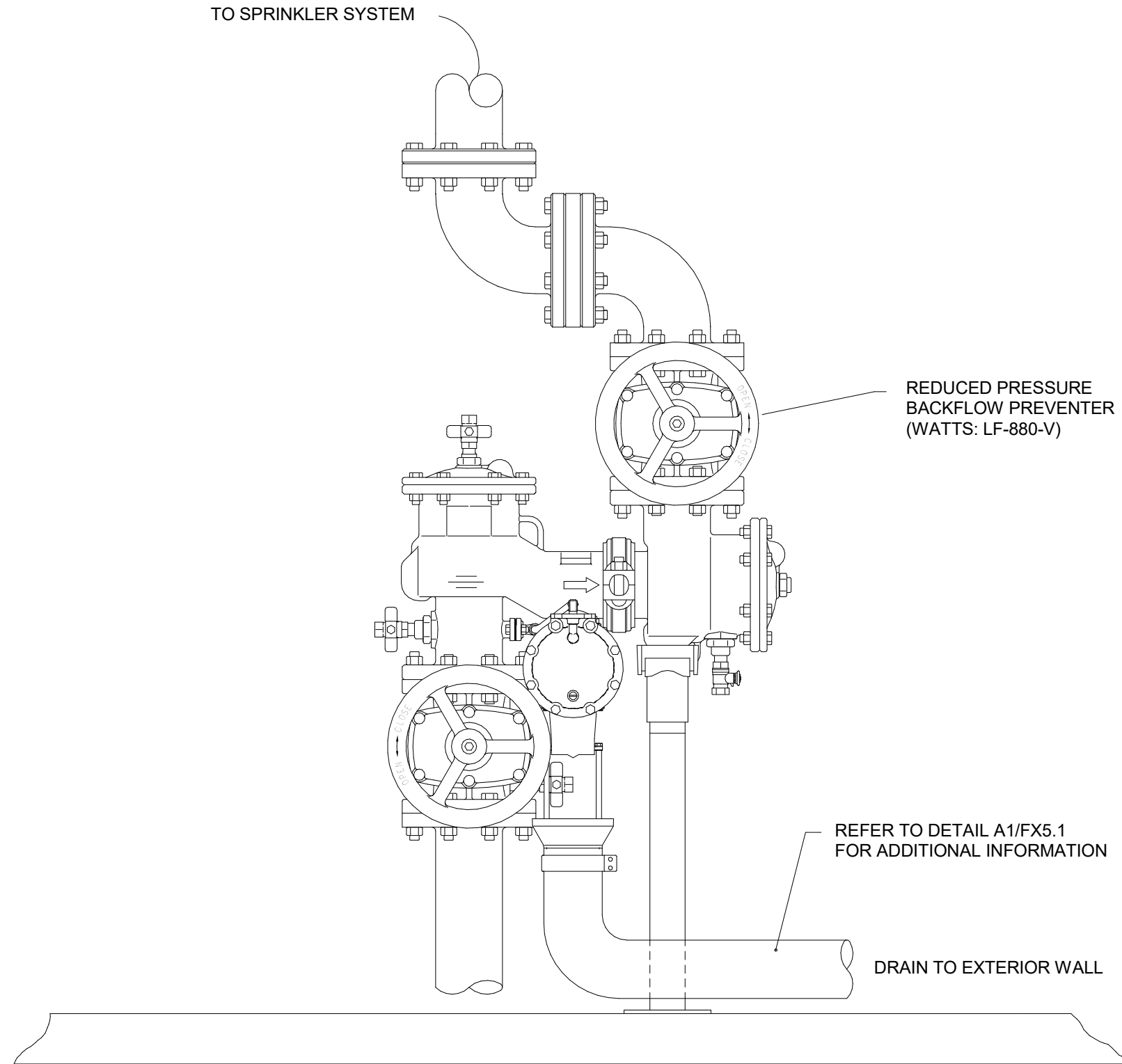
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DATE	06/09/2023
PROJECT NO.	#23-0003

PLUMBING MISC. EQUIPMENT SCHEDULE						
SYMBOL	MANUFACTURER	MODEL NO.	ELECTRICAL			REMARKS:
			V	PH	A	
NG-1	NZBLAST	FPS-900	110	1	4.3	NZBLAST FPS-900 NITROGEN GENERATOR FOR UP TO 800 GAL. OF TOTAL SPRINKLER CAPACITY. UL 508A LISTED PANEL. FM1035 APPROVED. DUAL-BED PSA TECHNOLOGY. BLAST-OFF LEAK DETECTION SYSTEM AND AIR BYPASS ALARM. INTEGRATED AIR COMPRESSOR. 28 GALLON NITROGEN RECEIVER TANK. PROVIDE 1 YEAR WARRANTY. INSTALL FOR A COMPLETE SYSTEM AND COORDINATE WITH DRY AND WET RISER ASSEMBLIES. FINAL UNIT SIZE SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR/ENGINEER.
NG-2	NZBLAST	FPS-900	110	1	4.3	NZBLAST FPS-900 NITROGEN GENERATOR FOR UP TO 800 GAL. OF TOTAL SPRINKLER CAPACITY. UL 508A LISTED PANEL. FM1035 APPROVED. DUAL-BED PSA TECHNOLOGY. BLAST-OFF LEAK DETECTION SYSTEM AND AIR BYPASS ALARM. INTEGRATED AIR COMPRESSOR. 28 GALLON NITROGEN RECEIVER TANK. PROVIDE 1 YEAR WARRANTY. INSTALL FOR A COMPLETE SYSTEM AND COORDINATE WITH DRY AND WET RISER ASSEMBLIES. FINAL UNIT SIZE SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR/ENGINEER.

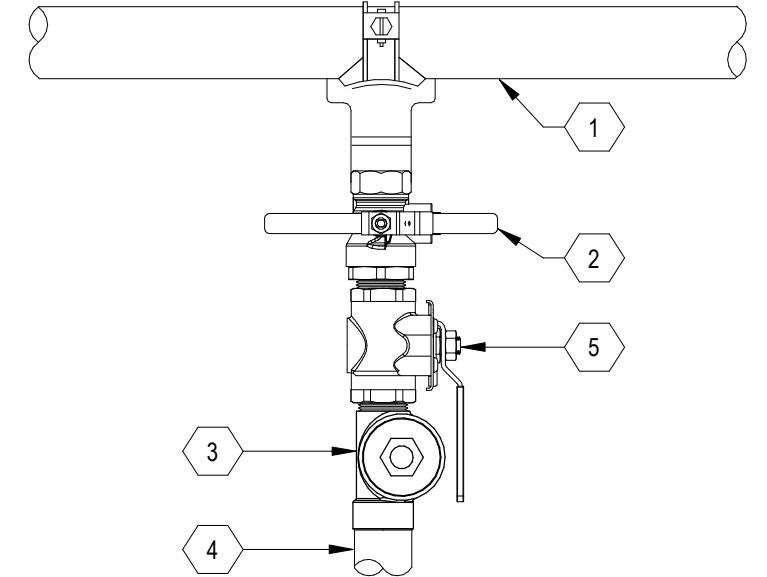


- 1 RETARDING CHAMBER
- 2 WATER MOTOR ALARM LOCATED 8'-0" A.F.G. & ADJACENT TO SIAMSESE FIRE DEPARTMENT INLET CONNECTION. DRAIN IN A CODE COMPLIANT MANNER.
- 3 AUTOMATIC DRIP
- 4 RESTRICTED VENT
- 5 DRIP CUP W/DRAIN LINE TO EXTERIOR DISCHARGE
- 6 ALARM PRESSURE SWITCH
- 7 TO WET SPRINKLER SYSTEM
- 8 SUPPLY WATER PRESSURE GAUGE AND VALVE
- 9 ALARM SHUT-OFF VALVE & CHECK VALVE (NORMALLY OPEN)
- 10 ALARM TEST VALVE (NORMALLY CLOSED)
- 11 FROM FIRE DEPARTMENT CONNECTION (FDC)
- 12 FULL SIZED MAIN DRAIN VALVE WITH SYSTEM PRESSURE RELIEF VALVE AND GAUGE, UL/FM LISTED
- 13 TO EXTERIOR DISCHARGE
- 14 FROM FIRE PROTECTION MAIN SUPPLY LINE
- 15 ALARM CHECK VALVE
- 16 INDICATING BUTTERFLY VALVE. USED FOR FORWARD FLOW TEST (NORMALLY CLOSED)
- 17 WAFER CHECK VALVE
- 18 FLOW SWITCH, COORDINATE WIRING WITH LATEST NFPA REQUIREMENTS FOR "AUDIBLE SIGNALS/SOUNDERS"
- 19 INDICATING BUTTERFLY VALVE (CONTROL VALVE). NORMALLY OPEN
- 20 SYSTEM WATER PRESSURE GAUGE AND VALVE
- 21 STRAINER

C1 SPRINKLER ALARM VALVE 1/4" = 1'-0"

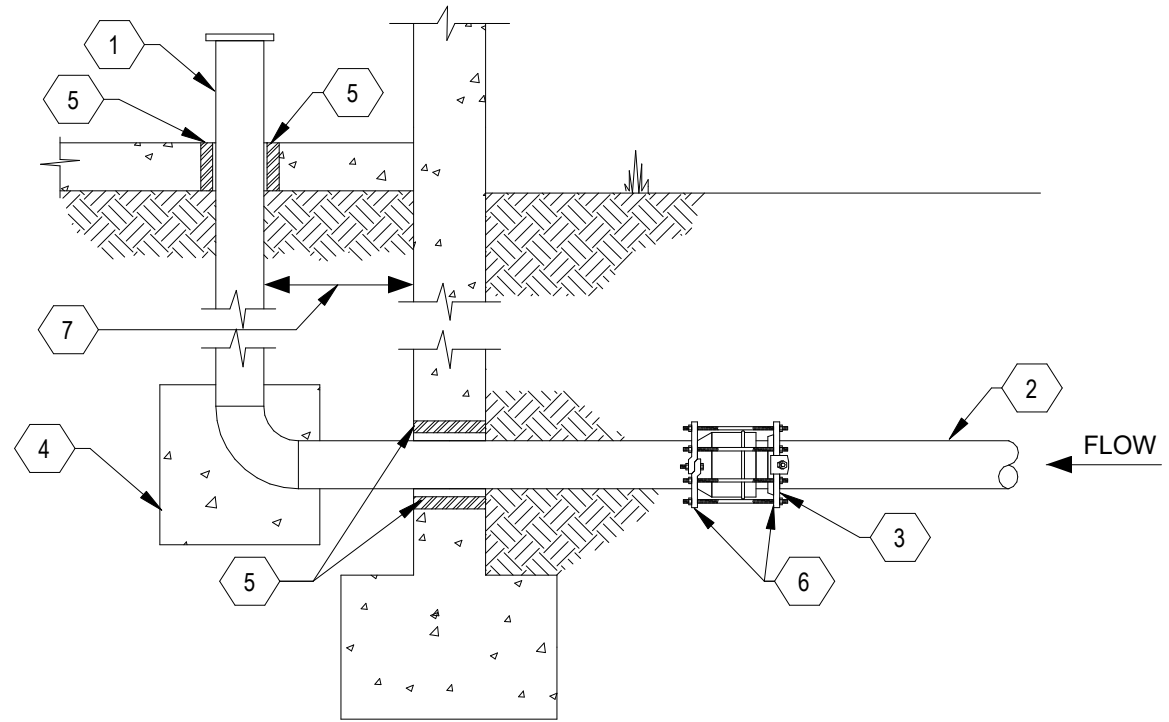


C3 FIRE RISER BACKFLOW PREVENTER 1/8" = 1'-0"



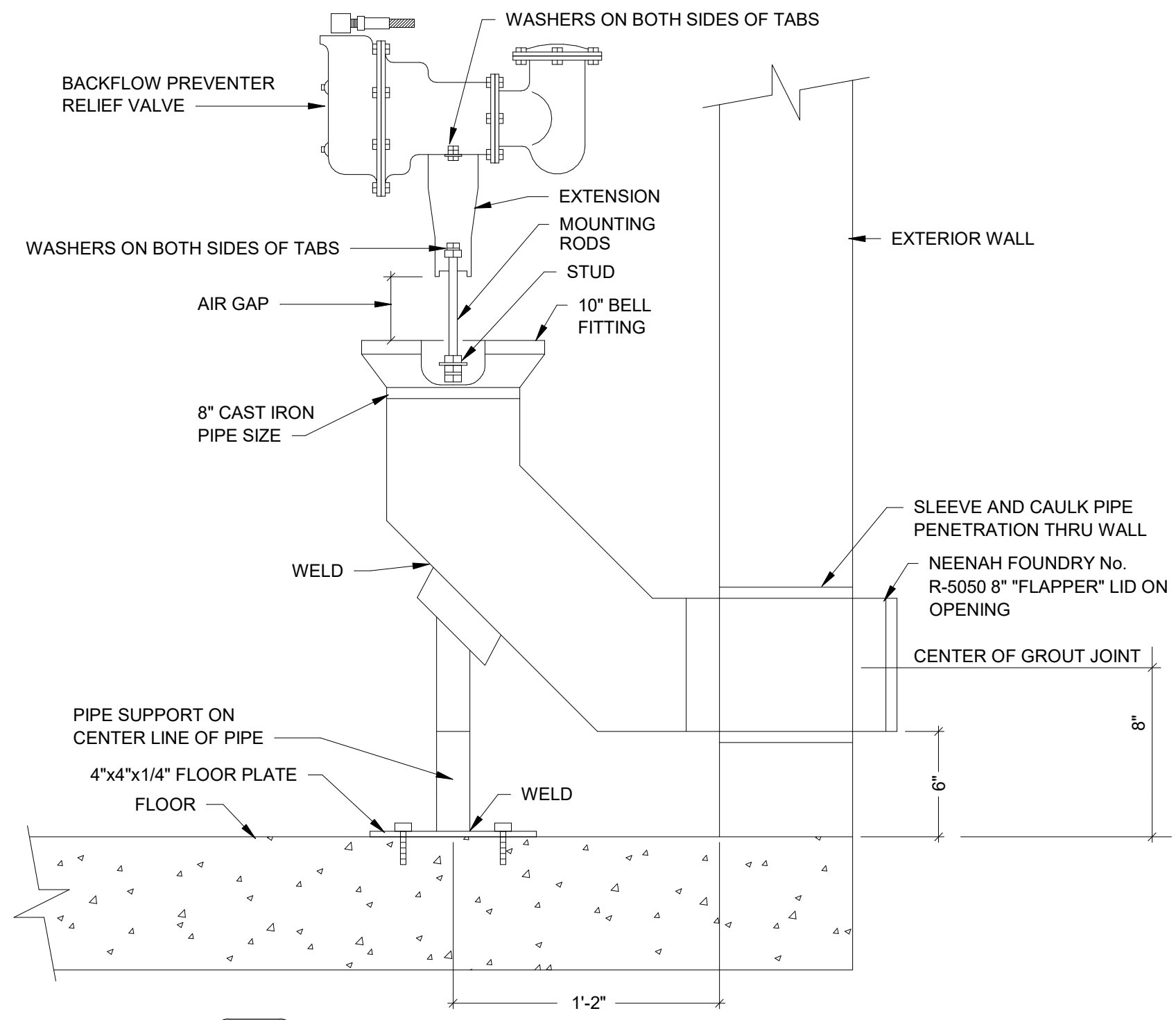
- 1 SPRINKLER MAIN, SEE PLANS FOR SIZE AND LOCATION
- 2 TEST VALVE, FM/UL LISTED.
- 3 SIGHT GLASS, FM/UL LISTED.
- 4 DISCHARGE DRAIN LINE, SEE PLANS FOR SIZE AND LOCATION
- 5 DRAIN VALVE, FM/UL LISTED.

C4 INSPECTORS TEST CONNECTION 1/4" = 1'-0"

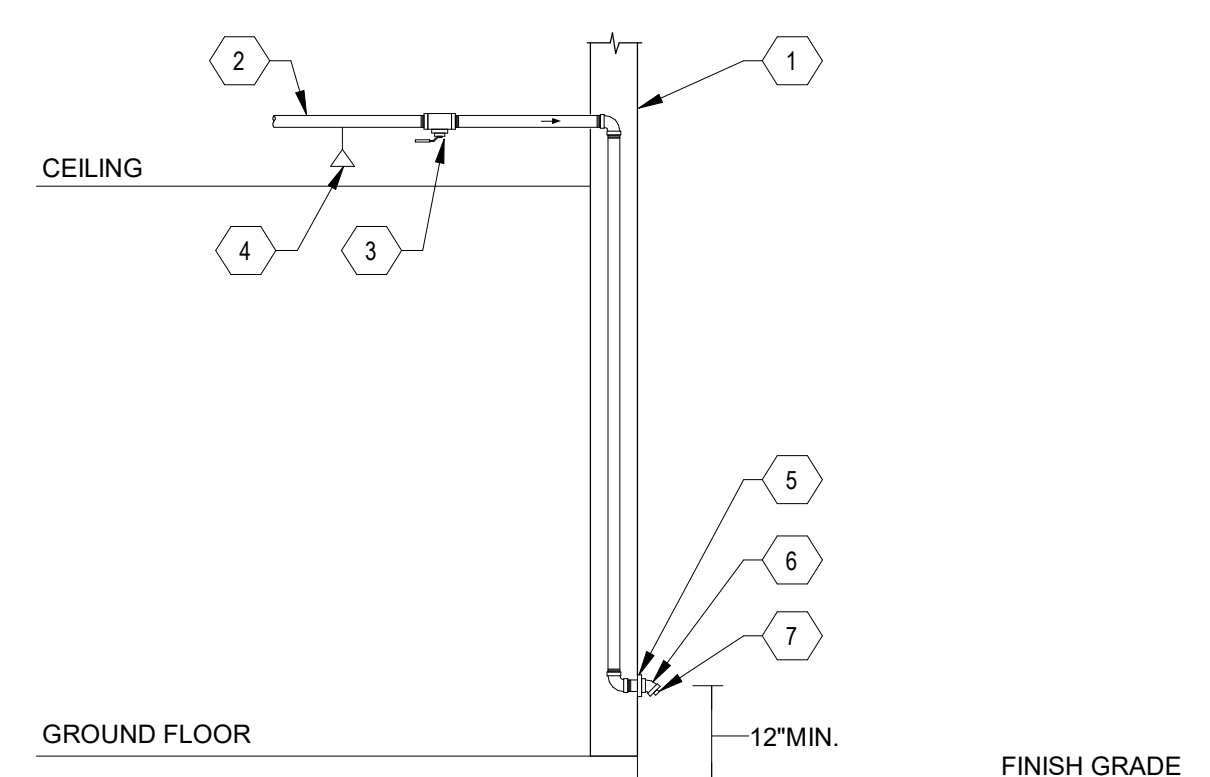


- 1 AMES IN-BUILDING RISER. STAINLESS STEEL TYPE 304. SEE FIRE PROTECTION PLANS FOR SIZE AND SERVICE
- 2 DUCTILE IRON OR PVC WATER SERVICE.
- 3 MECHANICAL JOINT FROM SUPPLY PIPE TO STAINLESS STEEL. CONTINUE INTO BUILDING WITH STAINLESS STEEL.
- 4 CONCRETE THRUST BLOCK SIZED IN ACCORDANCE WITH IBC IF REQUIRED BY AHJ
- 5 PIPE SLEEVE. SEE SPECIFICATIONS
- 6 MEGALUG PIPE RESTRAINT HARNESS
- 7 VERTICAL SECTION OF RISER LOCATED AS CLOSE AS POSSIBLE TO WALL

C6 FIRE SUPPLY ENTRY THRU FOOTING DETAIL 1/4" = 1'-0"

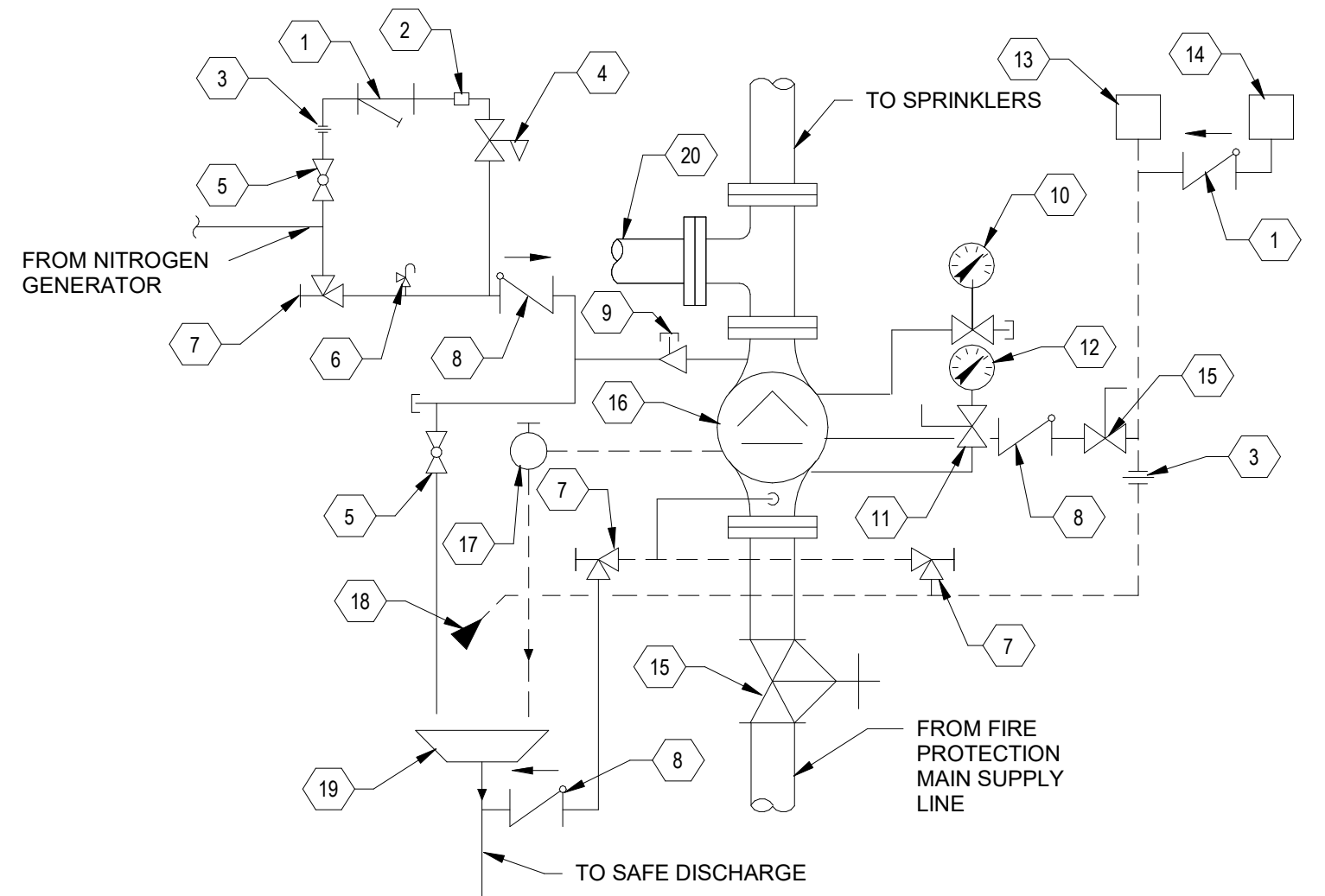


A1 FIRE RPZ CATASTROPHIC DRAIN DETAIL 1/4" = 1'-0"



- 1 EXTERIOR WALL
- 2 1" SUPPLY FROM SPRINKLER SYSTEM ZONE
- 3 READILY ACCESSIBLE, 1" TEST & DRAIN VALVE WITH SIGNAGE (NORMALLY CLOSED)
- 4 MOST REMOTE SPRINKLER HEAD
- 5 1" GALVANIZED WALL PLATE
- 6 1" GALVANIZED 45 DEGREE ELBOW
- 7 SMOOTH BORE CORROSION RESISTANT OUTLET WITH FLOW EQUAL TO ONE SPRINKLER WITH SMALLEST ORIFICE

A4 INSPECTORS TEST DRAIN VALVE 1/4" = 1'-0"



- 1 STRAINER.
- 2 RESTRICTION.
- 3 UNION.
- 4 PRESSURE REGULATOR.
- 5 GLOBE VALVE.
- 6 PRESSURE RELIEF VALVE.
- 7 ANGLE VALVE.
- 8 CHECK VALVE.
- 9 REDUCING TEE WITH PLUG.
- 10 AIR PRESSURE GAUGE.
- 11 THREE WAY VALVE.
- 12 WATER PRESSURE GAUGE.
- 13 PRESSURE SWITCH.
- 14 WATER MOTOR ALARM.
- 15 O S & Y VALVE.
- 16 ALARM CHECK VALVE.
- 17 DRIP CHECK.
- 18 RESTRICTED ELBOW.
- 19 DRAIN CUP.
- 20 FROM SIAMSESE INLET.

A6 DRY SPRINKLER ALARM VALVE DETAIL 1/4" = 1'-0"

REVISIONS

7/09/2023	Addendum 2
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NOTES

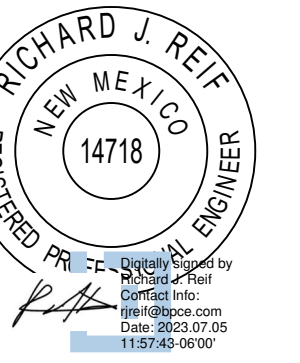
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 DATE: 06/09/2023
 PROJECT NO: #23-0003

NORTH + SCALE

DRAWING NAME
FIRE PROTECTION DETAILS & SCHEDULES

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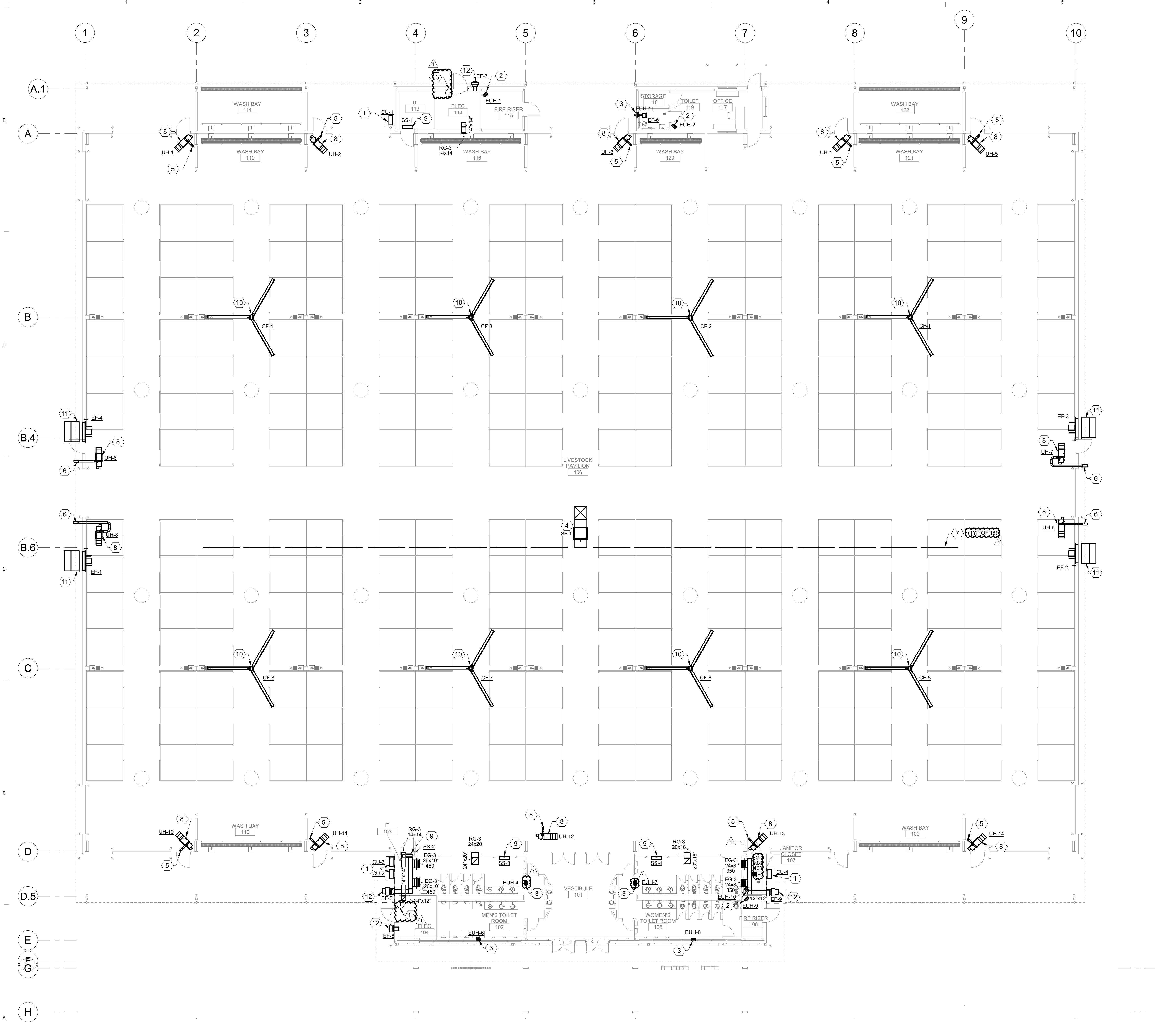


GENERAL SHEET NOTES

- A. SEE DETAIL A1M-5.1 FOR LOW PRESSURE DUCT FITTINGS.
- B. SEE DETAIL A2M-5.1 FOR SOUND ELBOW TYPICAL DETAIL. ALL TRANSFER OR RETURN AIR OPENINGS SHALL BE LINED WITH 1" AL.
- C. SEE DETAIL A3M-5.1 FOR DIFFUSER AND REGISTER CONNECTION DETAIL.
- D. SEE DETAIL A5M-5.1 FOR WALL MOUNTED EXHAUST FAN DETAIL.
- E. SEE DETAIL A6M-5.1 FOR IECC 2018 COMPLIANCE NOTES.

SHEET KEYNOTES

- 1. INSTALL WALL MOUNTED MINI SPLIT OUTDOOR UNIT WITH CONDENSER WALL BRACKET. COORDINATE INSTALLATION ORIENTATION WITH ARCHITECTURAL DRAWINGS.
- 2. INSTALL ELECTRIC UNIT HEATER SUSPENDED FROM STRUCTURE. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND CONNECTIONS TO STRUCTURE.
- 3. INSTALL ELECTRIC UNIT HEATER RECESSED IN WALL. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION IN WALL.
- 4. CONNECT DUCT FROM SF-1 WITH CONTINUOUS DRAINABLE BLADE LOUVER. REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER DETAILS. SEE DETAIL A4M-5.1 FOR INLINE FAN DETAIL. MOUNT AT 30'-6" A.F.F.
- 5. ROUTE 5" FLUE AIR DUCT THROUGH ROOF. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND PENETRATION THROUGH ROOF. TERMINATE WITH LISTED WEATHER CAP.
- 6. ROUTE 5" FLUE AIR DUCT THROUGH SIDEWALL. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND PENETRATION THROUGH SIDEWALL. TERMINATE WITH LISTED WEATHER CAP.
- 7. 10" DAMPERS CONNECTED TO LOUVER SPECIFIED BY ARCHITECT AND SPACED 1' APART. USE SHEET METAL TO BLANK OUT SECTION BETWEEN DAMPERS. REFER TO CONTROLS DIAGRAM FOR ACTIVATION OF DAMPERS. SEE SECTION 23.00 FOR DAMPERS.
- 8. INSTALL GAS FIRED UNIT HEATER SUSPENDED FROM STRUCTURE AT 1' A.F.F. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND CONNECTIONS TO STRUCTURE.
- 9. INSTALL WALL MOUNTED MINI SPLIT INDOOR UNIT. FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR PIPE INSTALLATION AND ROUTING TO OUTDOOR UNIT.
- 10. HUSL FAN MOUNTED AT 16'-0" A.F.F. MOUNT PER MANUFACTURER'S DIRECTIONS.
- 11. BOTTOM OF PANEL FAN SHALL BE 10'-0" A.F.F.
- 12. BOTTOM OF SPECIAL FAN SHALL BE AS HIGH AS POSSIBLE.



A1 HVAC FLOOR PLAN

3/32" = 1'-0"

0' 8' 16' 32'

REVISIONS

7/05/2023	Addendum 2
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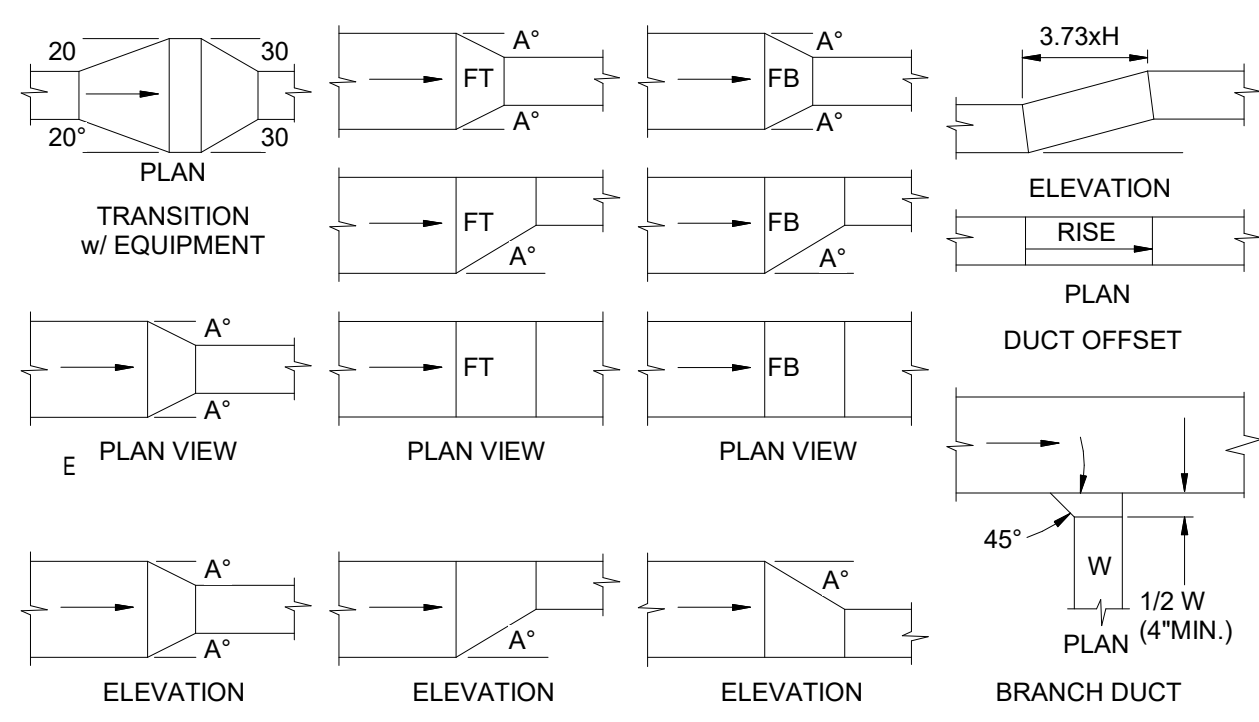
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HVAC FLOOR PLAN

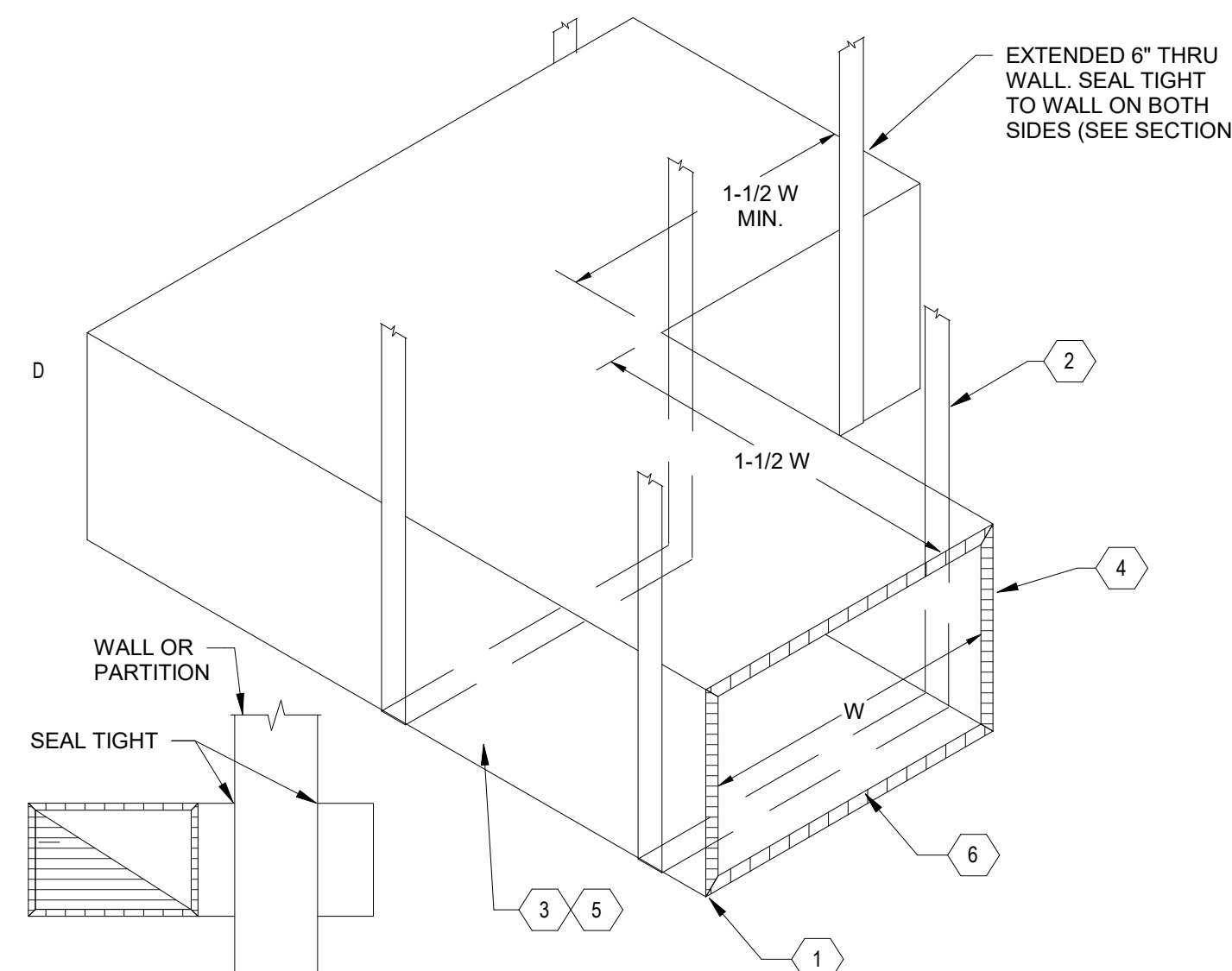
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- NOTES
- ANGLE A=30 MAXIMUM WHEN AIR FLOWS IN DIRECTION OF ARROWS (SUPPLY AIR)
 - ANGLE A=15 WHEN AIR FLOWS IN OPPOSITE DIRECTION OF ARROWS (R.A. OR EXHAUST)

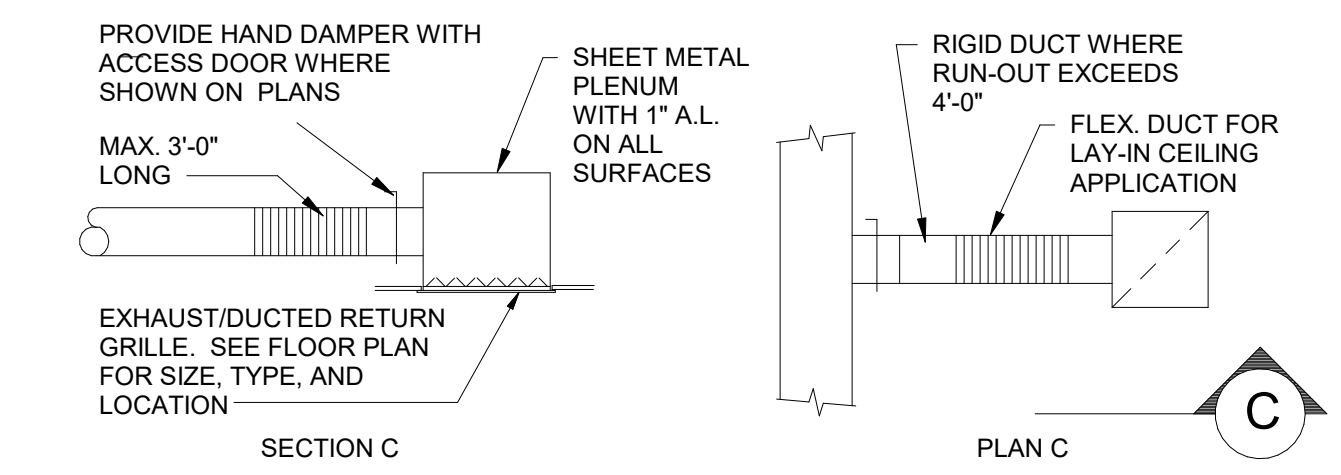
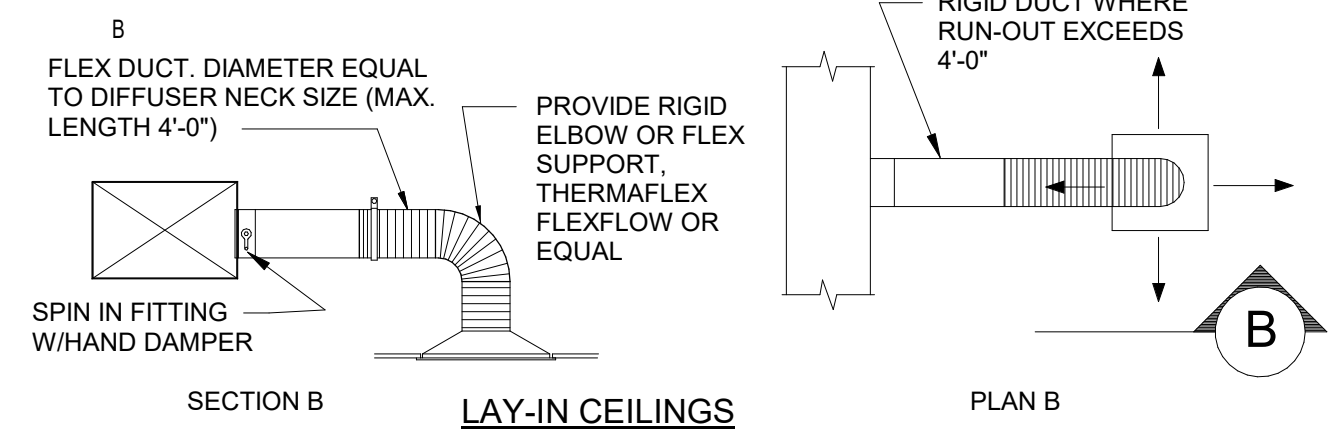
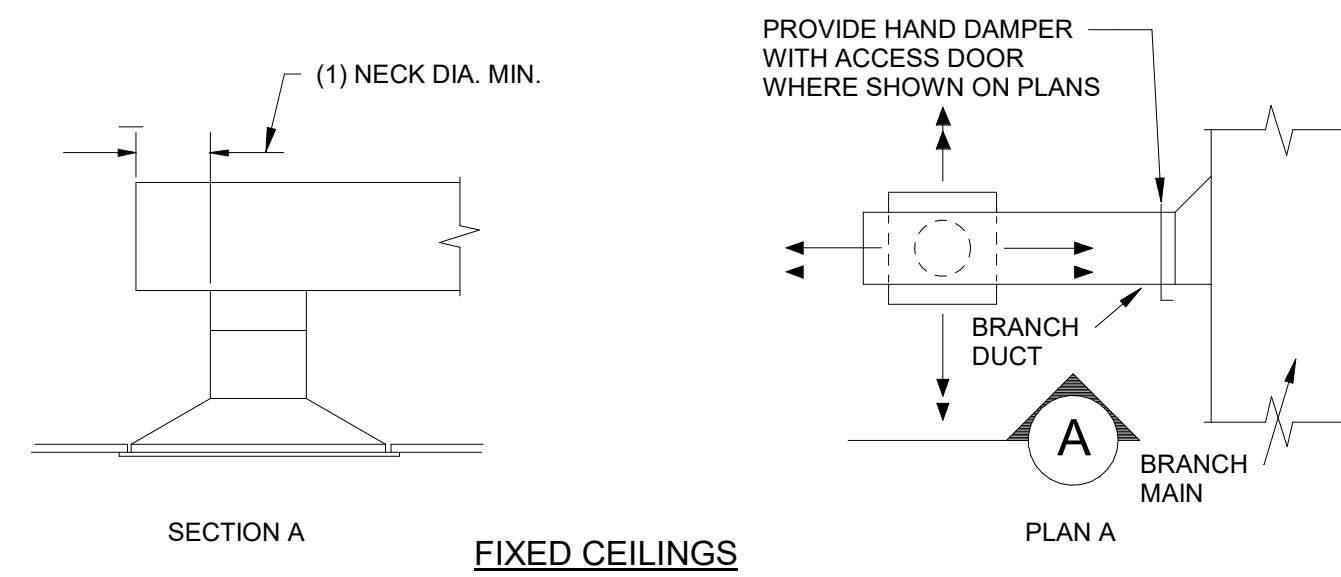
A1 LOW PRESSURE DUCT FITTING DETAIL
SCALE = NONE



SECTION (NOT TO SCALE)

- KEYNOTES**
1. COORDINATE SOUND ELBOW INSTALLATION WITH STRUCTURE, LIGHTS, AND OTHER OBSTRUCTIONS
 2. SUPPORT FROM STRUCTURE SIMILAR TO DUCTWORK
 3. CONSTRUCT SOUND ELBOW OF 1" THICK RIGID ACOUSTIC INSULATION OR AS SHOWN ON DRAWINGS
 4. FURNISH AND INSTALL SOUND ELBOWS AS SHOWN ON DRAWINGS
 5. WHEN FIRE DAMPER OR SMOKE DAMPER IS NEEDED AT THE WALL, INSTALL SOUND ELBOW ATTACHED AND SEALED TO WALL.
 6. SEAL ALL EXPOSED FIBERGLASS/DUCT BOARD ENDS WITH DUCT LINER EDGE SEALER

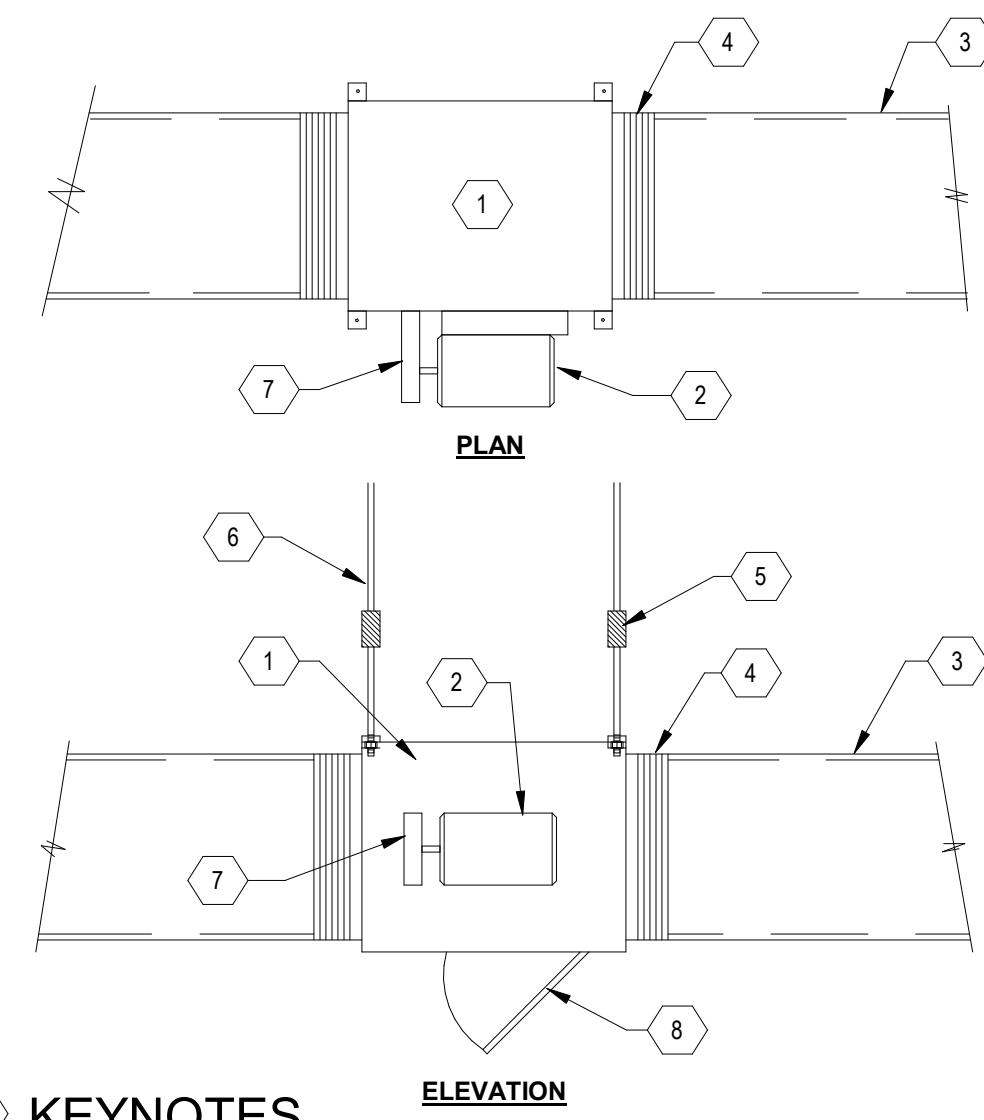
A2 SOUND ELBOW DETAIL FOR TRANSFER OPENINGS
SCALE = NONE



RETURN/EXHAUST REGISTER FOR LAY-IN AND FIXED CEILINGS

- A** NOTE:
PROVIDE BALANCING DAMPER IN SUPPLY AND EXHAUST DUCTS REGARDLESS WHETHER SHOWN ON DRAWINGS

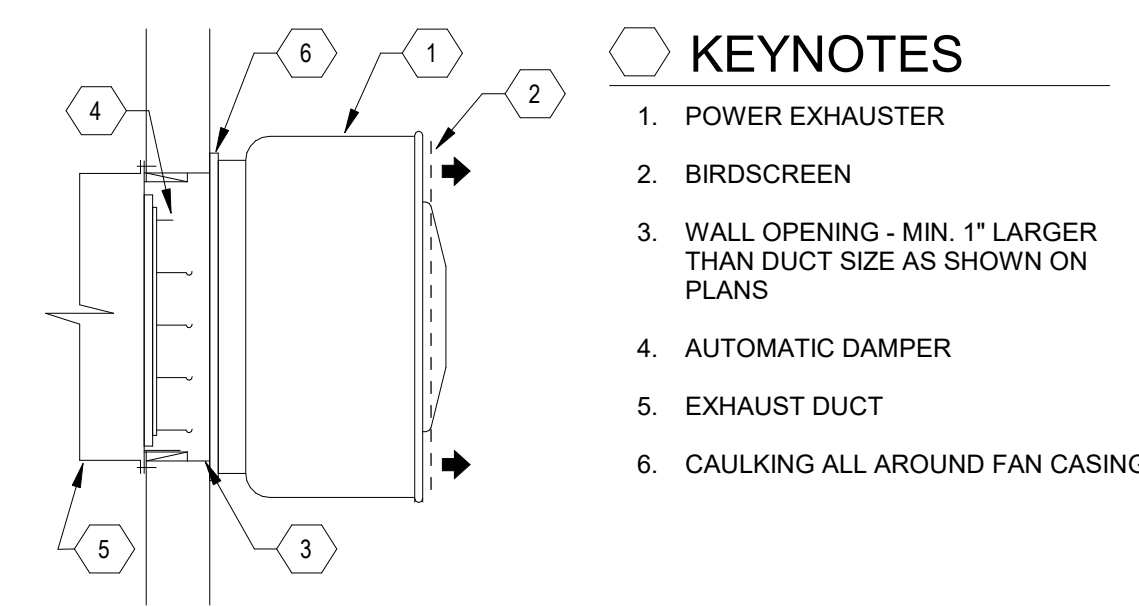
A3 DIFFUSER AND REGISTER CONNECTION DETAIL
SCALE = NONE



KEYNOTES

1. IN-LINE FAN
2. SIDE MOUNTED MOTOR WHERE CEILING SPACE IS LIMITED
3. ACOUSTICALLY LINED DUCT UNLESS NOTED OTHERWISE ON PLAN
4. FLEXIBLE DUCT CONNECTION (TYPICAL)
5. TYPICAL VIBRATION ISOLATOR
6. 1/2" STEEL ALL-THREAD SUPPORT RODS SECURELY ANCHORED TO STRUCTURE ABOVE IN A MANNER APPROVED BY THE STRUCTURAL ENGINEER
7. BELT GUARD ON BELT-DRIVE FANS (TYPICAL)
8. ACCESS DOOR IN HOUSING TO FAN

A4 IN-LINE FAN DETAIL
SCALE = NONE



KEYNOTES

1. POWER EXHAUSTER
2. BIRDSCREEN
3. WALL OPENING - MIN. 1" LARGER THAN DUCT SIZE AS SHOWN ON PLANS
4. AUTOMATIC DAMPER
5. EXHAUST DUCT
6. CAULKING ALL AROUND FAN CASING

A5 WALL MOUNTED EXHAUST FAN DETAIL
SCALE = NONE

PROJECT MECHANICAL DESIGN CRITERIA:

1. ASHRAE CLIMATE ZONE (TABLE C301.1); [M]
2. INTERIOR DESIGN CONDITIONS (SECTION C302.1):
 - a. HEATING [M]
 - b. COOLING [M]
3. CALCULATIONS OF HEATING AND COOLING LOADS (SECTION C403.1.1); PER ASHRAE STANDARD 153
4. SYSTEM DESIGN (SECTION C403.2):
 - a. ZONE ISOLATION PROVIDED FOR ALL ZONES > 25,000 S.F. AND PER FLOOR.
 - b. MECHANICAL VENTILATION PROVIDED IN ACCORDANCE WITH CHAPTER 4 OF THE IMC.

MECHANICAL AND SERVICE WATER HEATING SYSTEMS AND EQUIPMENT TYPES, SIZES AND EFFICIENCIES:

REFER TO MECHANICAL & PLUMBING EQUIPMENT SCHEDULES, DRAWINGS AND SCHEMATICS.

ECONOMIZER DESCRIPTION:



EQUIPMENT AND SYSTEM CONTROLS:

REFER TO MECHANICAL & PLUMBING EQUIPMENT SCHEDULES, CONTROLS DRAWINGS & SEQUENCES OF OPERATION.

FAN MOTOR HORSEPOWER (HP) AND CONTROLS:

REFER TO MECHANICAL EQUIPMENT SCHEDULES, CONTROLS DRAWINGS & SEQUENCES OF OPERATION.

DUCT SEALING, DUCT AND PIPE INSULATION AND LOCATION:

1. SUPPLY AND RETURN AIR DUCT INSULATION SHALL MEET OR EXCEED THE MINIMUM VALUES LISTED IN SECTION C403.11.1. REFER TO SPECIFICATION SECTION 23 0700 FOR REQUIREMENTS.
 - a. MINIMUM [R-6] [R-8] (UNCONDITIONED SPACES), [R-8] [R-12] (EXTERIOR TO THE BUILDING)
 - b. EXCEPTION: RETURN DUCTWORK IS NOT REQUIRED TO BE INSULATED IF THE TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT IS ≤ 15°F.
2. SUPPLY AND RETURN DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH SECTION C403.11.2. REFER TO SPECIFICATION 23 3000 FOR REQUIREMENTS.
3. PIPE INSULATION SHALL MEET THE REQUIREMENTS OF SECTION 403.11.3 AND THE TABLE BELOW. REFER TO SPECIFICATION SECTION 23 0700 FOR REQUIREMENTS.

TEMP RANGE	TEMP (F)	INSULATION TYPE	VAPOR SEALED	PIPE SIZE				
				< 1	1 TO 1-1/4	1.5 TO 3	4 & 6	≥ 8
TR-1	< 40	P-1 OR P-4	YES	0.5	1.0	1.0	1.0	1.5
TR-2	40-60	P-1 OR P-4	YES	0.5	0.5	1.0	1.0	1.0
TR-3	61 - 104	P-1	YES	0.5	0.5	0.5	0.5	0.5
TR-4	105 - 140	P-1	NO	1.0	1.0	1.5	1.5	1.5
TR-5	141 - 200	P-1	NO	1.5	1.5	2.0	2.0	2.0
TR-6	201 - 250	P-1	NO	2.5	2.5	2.5	3.0	3.0
TR-7	251 - 350	P-1	NO	3.0	4.0	4.5	4.5	4.5
TR-8	OVER 350	P-1	NO	4.5	5.0	5.0	5.0	5.0

A6 2018 IECC COMPLIANCE NOTES
SCALE = NONE



REVISIONS

7/05/2023	Addendum 2
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DRAWN BY	Author
REVIEWED BY	Approver
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
MECHANICAL DETAILS

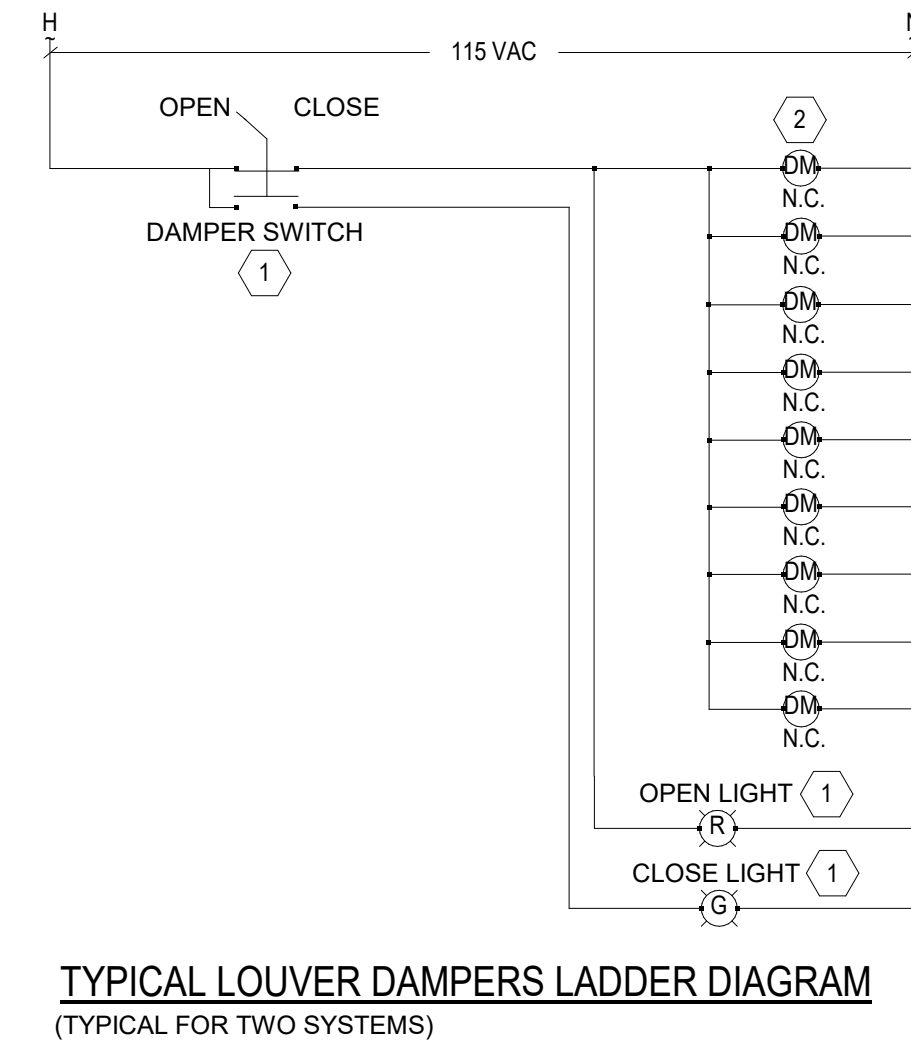
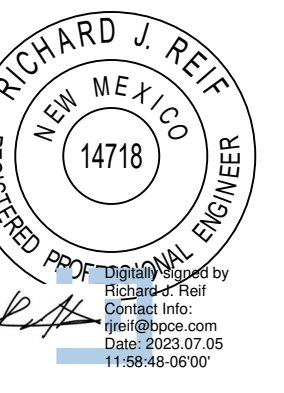
M-5.1

GENERAL SHEET NOTES

A. XXXX.

SHEET KEYNOTES

1. SWITCH, LIGHT, OR DISPLAY SHALL BE MOUNTED IN CONTROL PANEL LOCATED IN OFFICE.
2. DAMPERS ACTUATORS SHALL BE WIRED IN AN ALTERNATING PATTERN SO THAT EVERY OTHER DAMPER ACTUATOR IN THE SERIES IS PART OF ONE SYSTEM.



TYPICAL LOUVER DAMPERS LADDER DIAGRAM
(TYPICAL FOR TWO SYSTEMS)

SEQUENCE OF OPERATIONS

CEILING FANS CF-1 THRU CF-8

EACH BANK OF CEILING FANS SHALL BE CONNECT TO A FACTORY CONTROLLER/DISPLAY INSTALLED IN THE DOOR OF THE CONTROL PANEL LOCATED IN THE OFFICE. THE USER SHALL HAVE THE ABILITY TO START AND STOP CEILING FANS AS WELL AS SELECT THE SPEED OF THE FANS THROUGH THE FACTORY CONTROLLER.

PAVILION EXHAUST FANS EF-1 THRU EF-4 AND SUPPLY FAN SF-1

EACH FAN SHALL BE CONTROLLED THROUGH A "ON/OFF" SWITCH INSTALLED IN THE DOOR OF THE CONTROL PANEL LOCATED IN THE OFFICE. THE FAN SHALL OPERATE ANYTIME THE SWITCH IS IN THE ON POSITION. LOCAL "ON" (RED LED) AND "OFF" (GREEN LED) LIGHTS INSTALLED IN THE DOOR OF THE CONTROL PANEL SHALL INDICATE THE STATE OF EACH FAN.

RESTROOM EXHAUST FANS EF-5, EF-6, AND EF-9

EACH FAN SHALL BE INTERLOCKED WITH THE LIGHTS FOR THE SPACE. EACH FAN SHALL OPERATE ANYTIME THE LIGHTS ARE ON AND STOP WHEN THE LIGHTS ARE OFF.

ELECTRICAL ROOM EXHAUST FANS EF-7 AND EF-8

EACH FAN SHALL BE CONTROLLED THROUGH A LOCAL THERMOSTAT. THE FAN SHALL OPERATE ANYTIME THE SPACE TEMPERATURE IS ABOVE 85°F (ADJUSTABLE).

OUTSIDE AIR DAMPERS

EACH BANK OF DAMPERS SHALL BE CONTROLLED THROUGH A "OPEN/CLOSE" SWITCH INSTALLED IN THE DOOR OF THE CONTROL PANEL LOCATED IN THE OFFICE. THE DAMPERS SHALL OPEN ANYTIME THE SWITCH IS IN THE OPEN POSITION. LOCAL "OPEN" (RED LED) AND "CLOSE" (GREEN LED) LIGHTS INSTALLED IN THE DOOR OF THE CONTROL PANEL SHALL INDICATE THE STATE OF THE DAMPERS.

ELECTRIC UNIT HEATERS EUH-1 THRU EUH-9

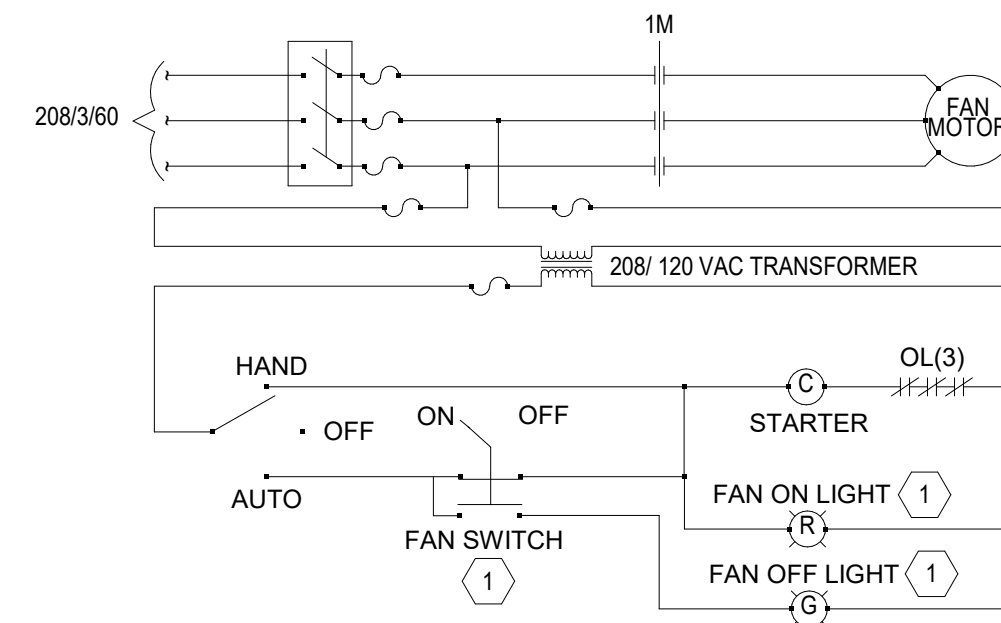
EACH UNIT HEATER SHALL BE CONTROLLED THROUGH A LOCAL THERMOSTAT. THE UNIT HEATER SHALL OPERATE ANYTIME THE SPACE TEMPERATURE IS BELOW 55°F (ADJUSTABLE).

GAS FIRED UNIT HEATERS UH-1 THRU UH-14

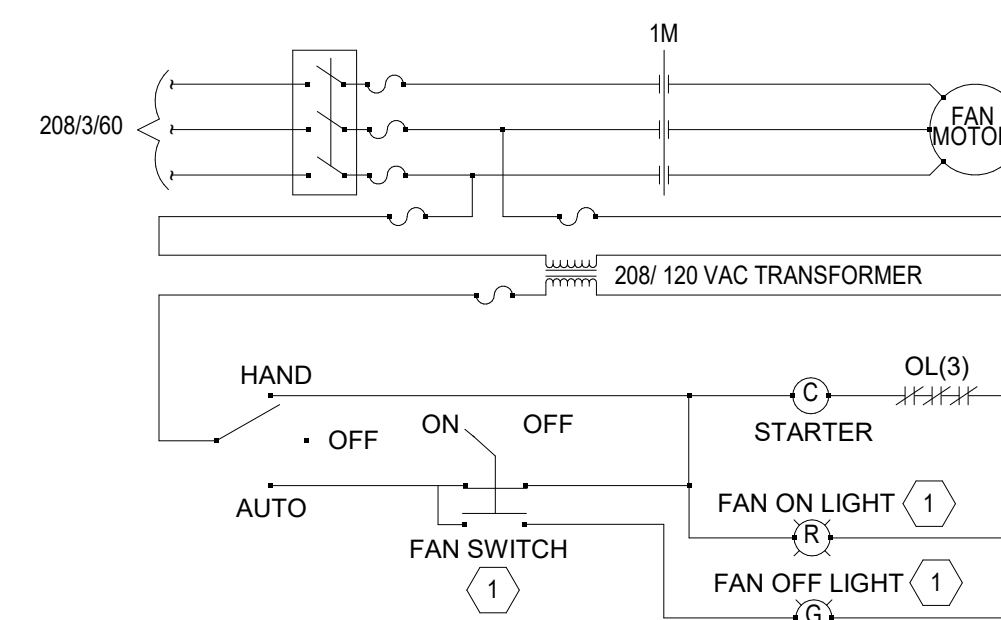
EACH UNIT HEATER SHALL BE CONTROLLED THROUGH A LOCAL THERMOSTAT. THE UNIT HEATER SHALL OPERATE ANYTIME THE SPACE TEMPERATURE IS BELOW 45°F (ADJUSTABLE).

SPLIT SYSTEM HEAT PUMPS SH-1 THRU SH-4

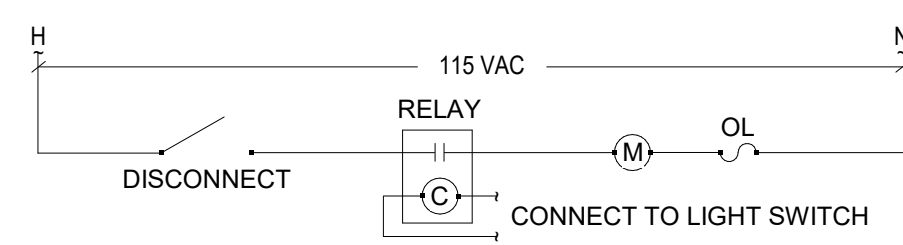
EACH UNIT SHALL BE CONTROLLED THROUGH A LOCAL THERMOSTAT TO MAINTAIN THE SPACE AND SETPOINT.



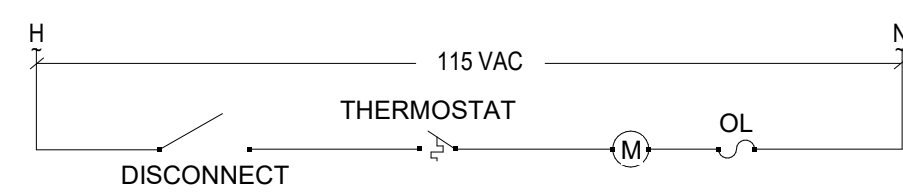
EXHAUST FAN EF-1 LADDER DIAGRAM
(TYPICAL FOR EF-2 THRU EF-4)



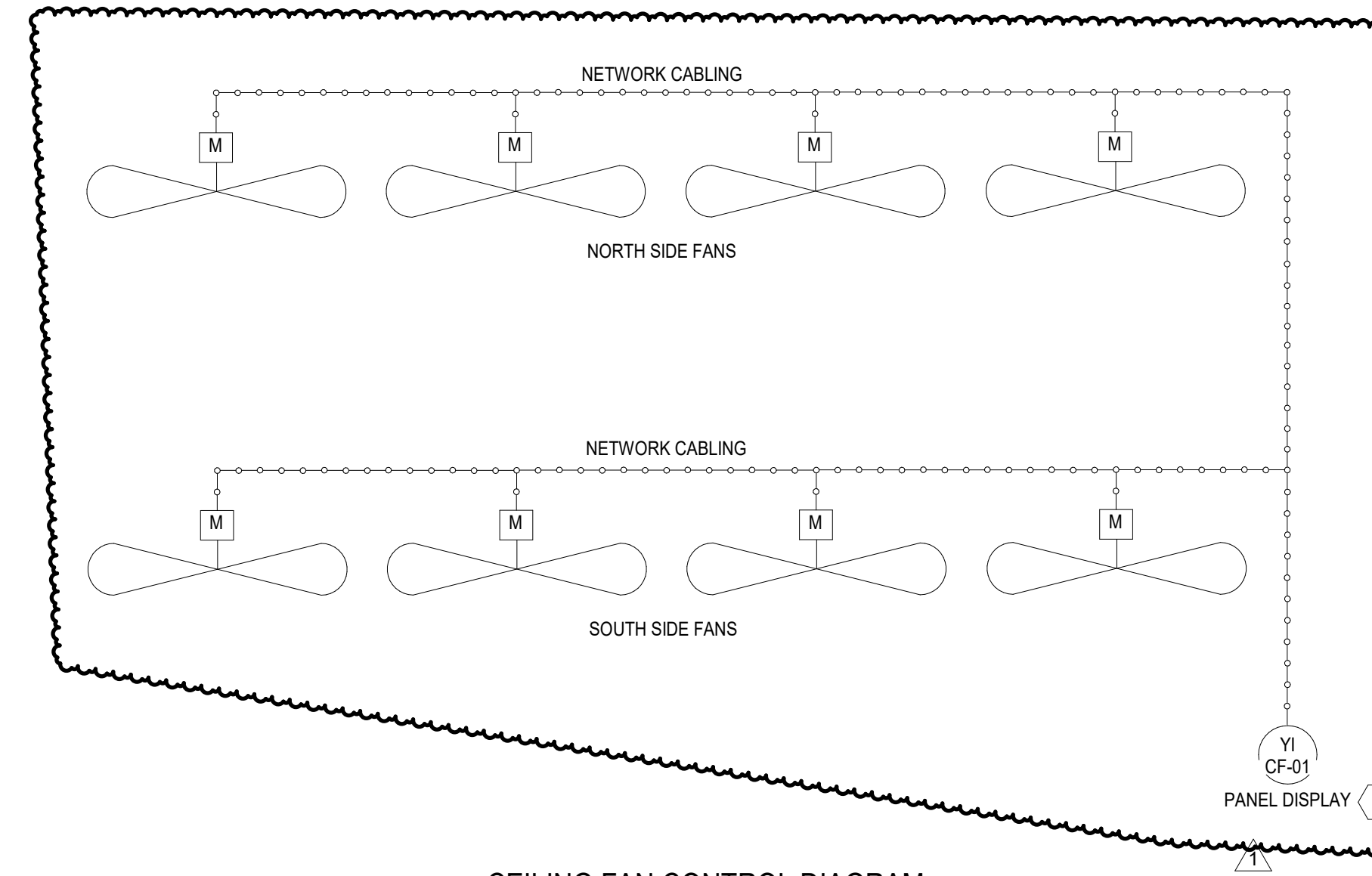
SUPPLY FAN SF-1 LADDER DIAGRAM



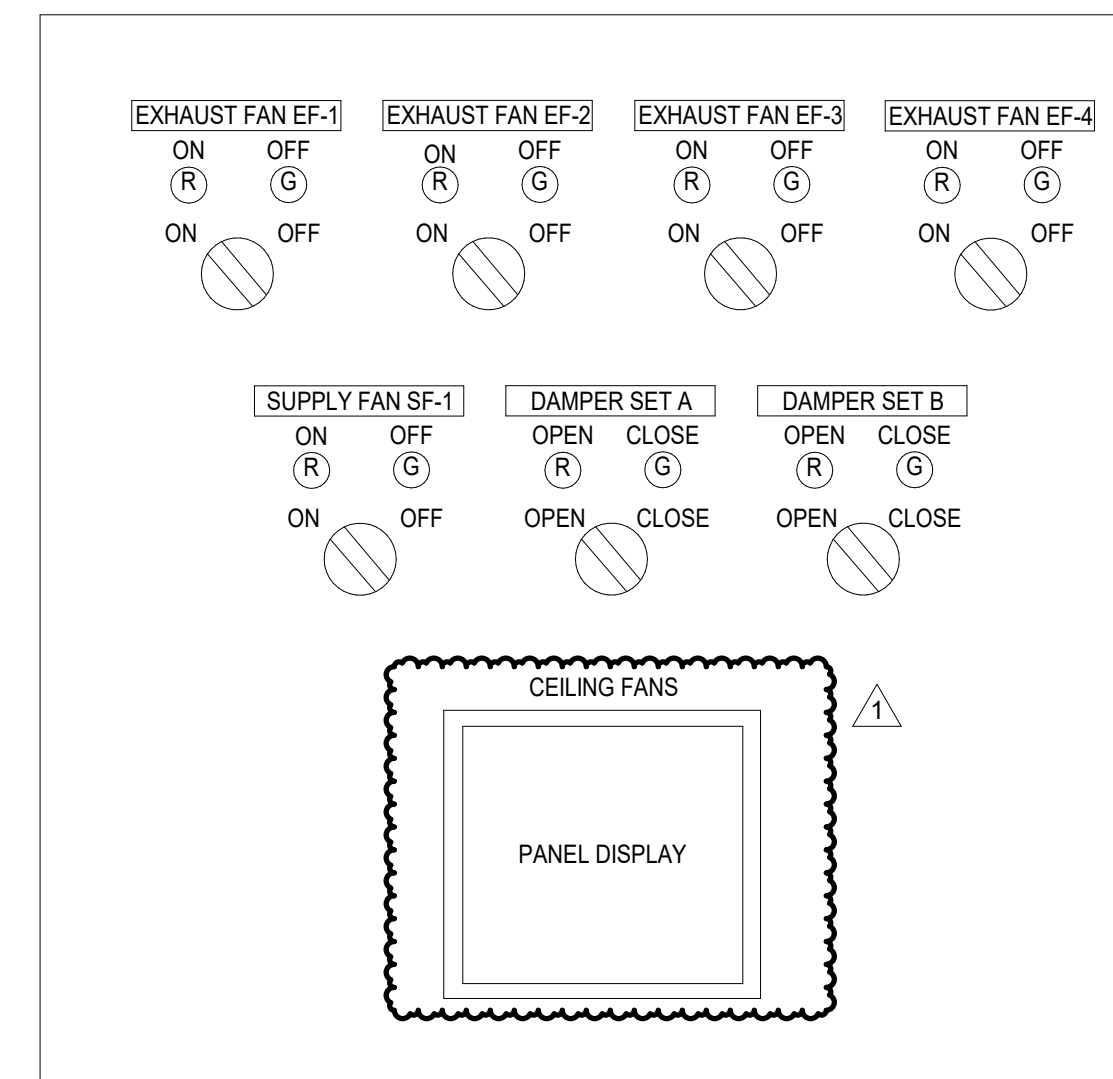
RESTROOM EXHAUST FAN EF-5 LADDER DIAGRAM
(TYPICAL FOR EF-6 AND EF-9)



ELECTRICAL ROOM EXHAUST FAN EF-7 LADDER DIAGRAM
(TYPICAL FOR EF-8)



CEILING FAN CONTROL DIAGRAM



CONTROL PANEL LAYOUT DIAGRAM

REVISIONS

7/05/2023	Addendum 2
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NOTES

DRAWN BY	Author
REVIEWED BY	Approver
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NORTH - SCALE

DRAWING NAME
MECHANICAL
CONTROLS DIAGRAMS

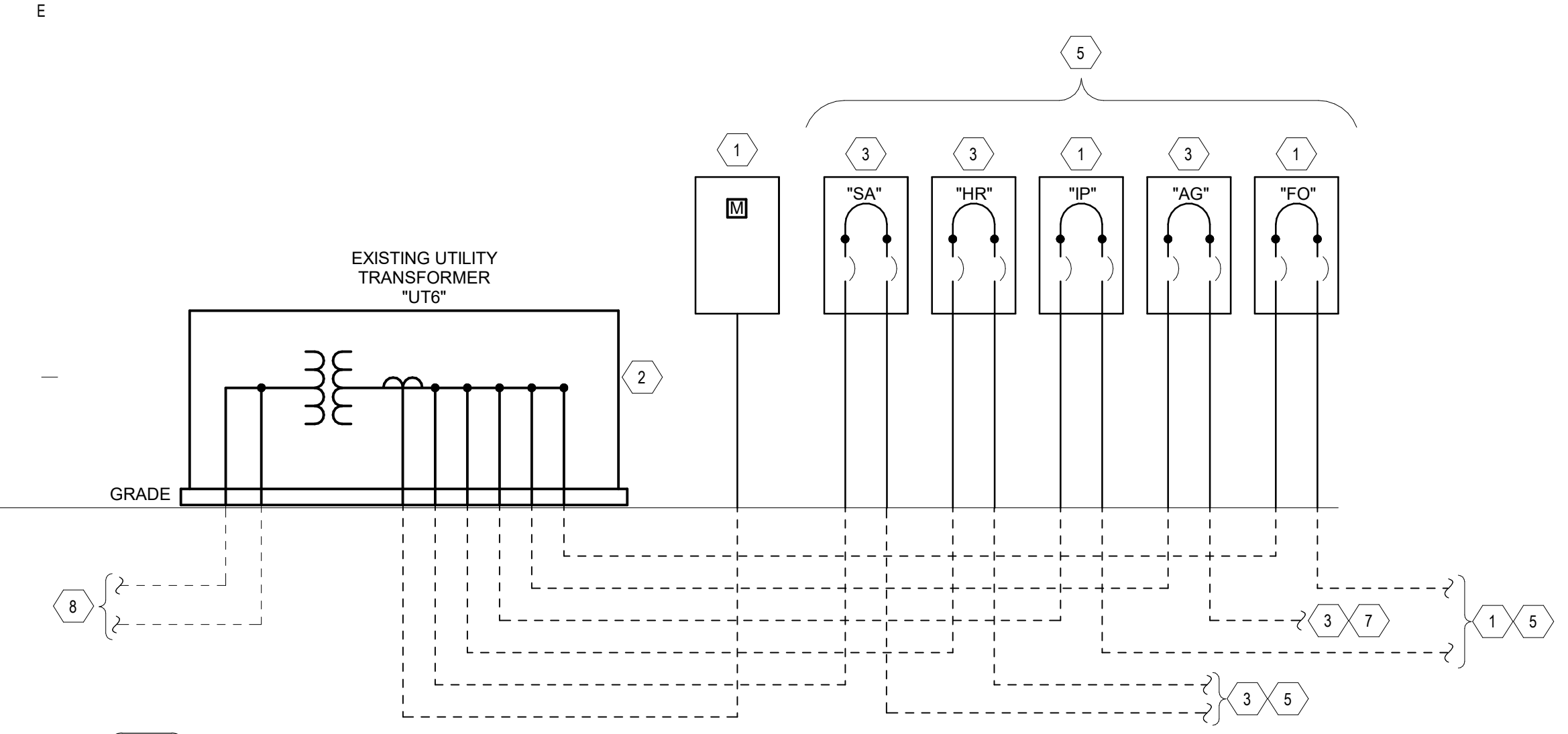
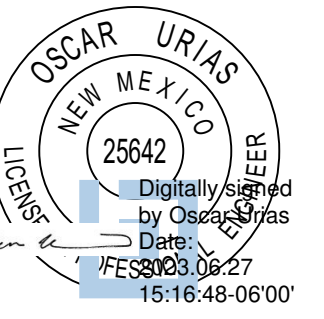
MI6.1

GENERAL SHEET NOTES

- A. PANELBOARD AIC RATINGS ARE INDICATED ON THE PANEL SCHEDULES.
- B. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE PER FIELD CONDITIONS AND AS INDICATED ELSEWHERE IN THE ELECTRICAL PLANS.
- C. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING EQUIPMENT AND INSTALLATION. NOT ALL INFORMATION IS SHOWN ON THIS DIAGRAM.
- D. ALL PANELS WILL HAVE DOOR-IN-DOOR, EACH DOOR KEY LOCKABLE ACCESSIBILITY FOR EACH PANEL.
- E. CONTRACTOR WILL MEASURE AND TORQUE ALL PANEL FEEDERS, MEASURE RESISTANCE TO GROUND AT SERVICE GROUND AND PROVIDE WRITTEN DOCUMENTATION OF TEST RESULTS. CONTRACTOR WILL COORDINATE TIME SO THAT SCHOOL REPRESENTATIVE IS PRESENT DURING TEST.
- F. CONTRACTOR WILL LABEL ALL DISTRIBUTION EQUIPMENT PRIOR TO FINAL OBSERVATION WALK THROUGH.
- G. REFER TO GROUNDING DIAGRAM ON SHEET E-602.
- H. ALL ELECTRICAL EQUIPMENT DIRECTORIES WILL BE TYPED.
- I. ALL DISTRIBUTION BOARDS SHALL BE PROVIDED WITH BUS BARS THAT EXTEND THROUGH THE LENGTH OF THE EQUIPMENT WITH PROVISIONS THAT WILL ALLOW THE OWNER TO ADD OVERCURRENT PROTECTION IN THE FUTURE.

SHEET KEYNOTES

1. EXISTING SECONDARY ELECTRICAL DISTRIBUTION EQUIPMENT AND METERMETER ENCLOSURE WILL REMAIN AS PRESENTLY INSTALLED.
2. EXISTING UTILITY TRANSFORMER TO REMAIN. MODIFICATIONS, IF ANY, WILL BE DIRECTED BY XCEL ENERGY REPRESENTATIVE. COORDINATE ALL WORK WITH XCEL ENERGY REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY WORK.
3. REMOVE EXISTING ELECTRICAL EQUIPMENT WITH THE REMOVAL OF THE BARN OR BUILDING IT SERVES. REMOVE FEEDER BACK TO SOURCE OF UTILITY TRANSFORMER.
4. ELECTRICAL EQUIPMENT SERVICES: COMMERCIAL BUILDING "CB", SWINE BARN "SW", DAIRY BARN "D", BEEF BARN "B", SHEEP AND COAT BARN "SC", AND POULTRY AND RABBITS "PR".
5. ELECTRICAL EQUIPMENT SERVICES: SHOW ARENA "SA", HORSE BARN / RESTROOM "HR", INDOOR PAVILION "IP", AGRICULTURE BUILDING "AG", AND FAIR OFFICE BUILDING "FO".
6. ELECTRICAL EQUIPMENT SERVICES: TWO PANELS IN TRIMMING BARN "TB1" AND "TB2". REFER TO GG.1 FOR BID LOT INFORMATION. "AG" BUILDING IS PART OF A BID LOT. IT IS TO BE REMOVED, BUT IF BID LOT IS NOT ACCEPTED, THIS BUILDING AND ELECTRICAL DISTRIBUTION TO STAY AS PRESENTLY INSTALLED.
7. EXISTING UNDERGROUND PRIMARY DISTRIBUTION WILL REMAIN AS PRESENTLY INSTALLED.



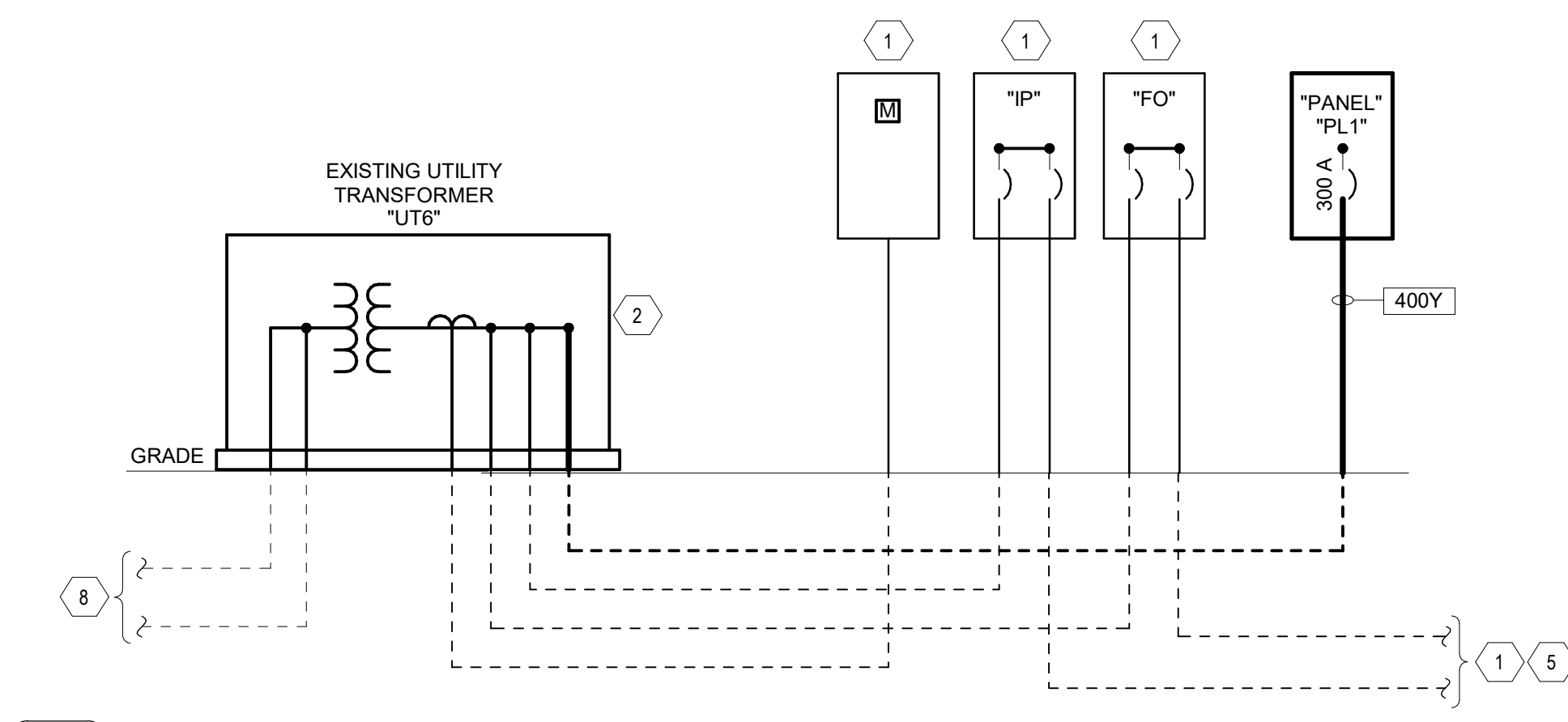
D1 ELECTRICAL ONE LINE DIAGRAM DEMOLITION UT-6
NO SCALE

Electrical Service Calc.-UT6 at Curry County Fair Grounds - Project #8734

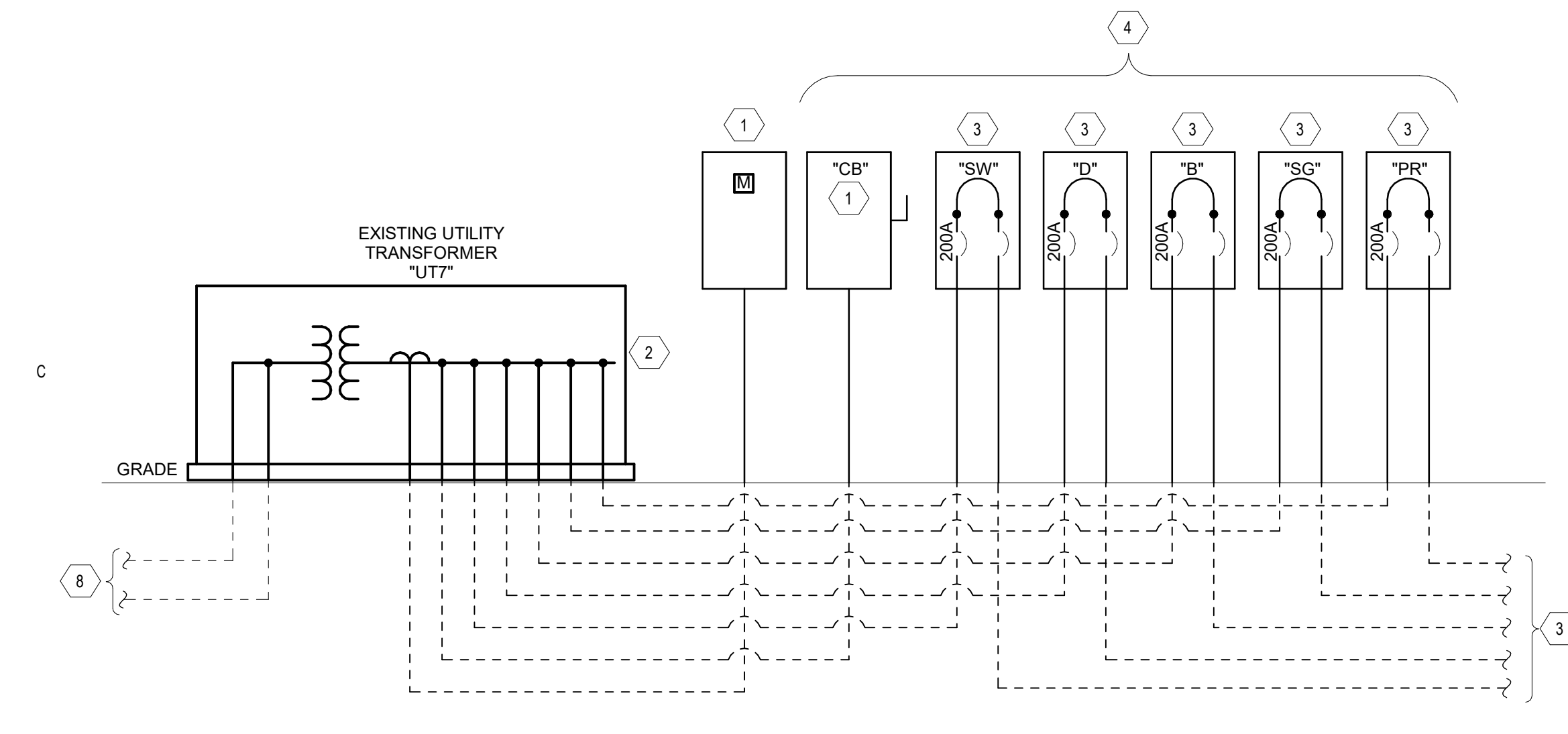
Description of Load	Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Lighting Exterior	3	100%	3	125%	4	
Non-continuous loads	43	100%	43	100%	43	
Existing Peak kW per Xcel Energy - 06/29/2023	23	125%	29	100%	29	
Subtotal of loads KVA	69		74		75.3	
			Future Capacity 20%		15	
			Total Service load KVA		90	
			Voltage of Service (240/120V-1PH)		0.240	
			Total Service Ampacity		376	
62,554 Sq. Ft.		0.65 watts/sq. ft. for exterior lighting load			3,400 VA	
62,554 Sq. Ft.		0.48 watts/sq. ft. for non-continuous loads			42,500 VA	
		0.71 total Watts per Sq. ft.				

EXISTING UT6 IS A 100KVA RATED UTILITY TRANSFORMER

D3 ELECTRICAL SERVICE CALCULATION UT-6
NO SCALE



D4 ELECTRICAL ONE LINE DIAGRAM PL1 PANEL
NO SCALE



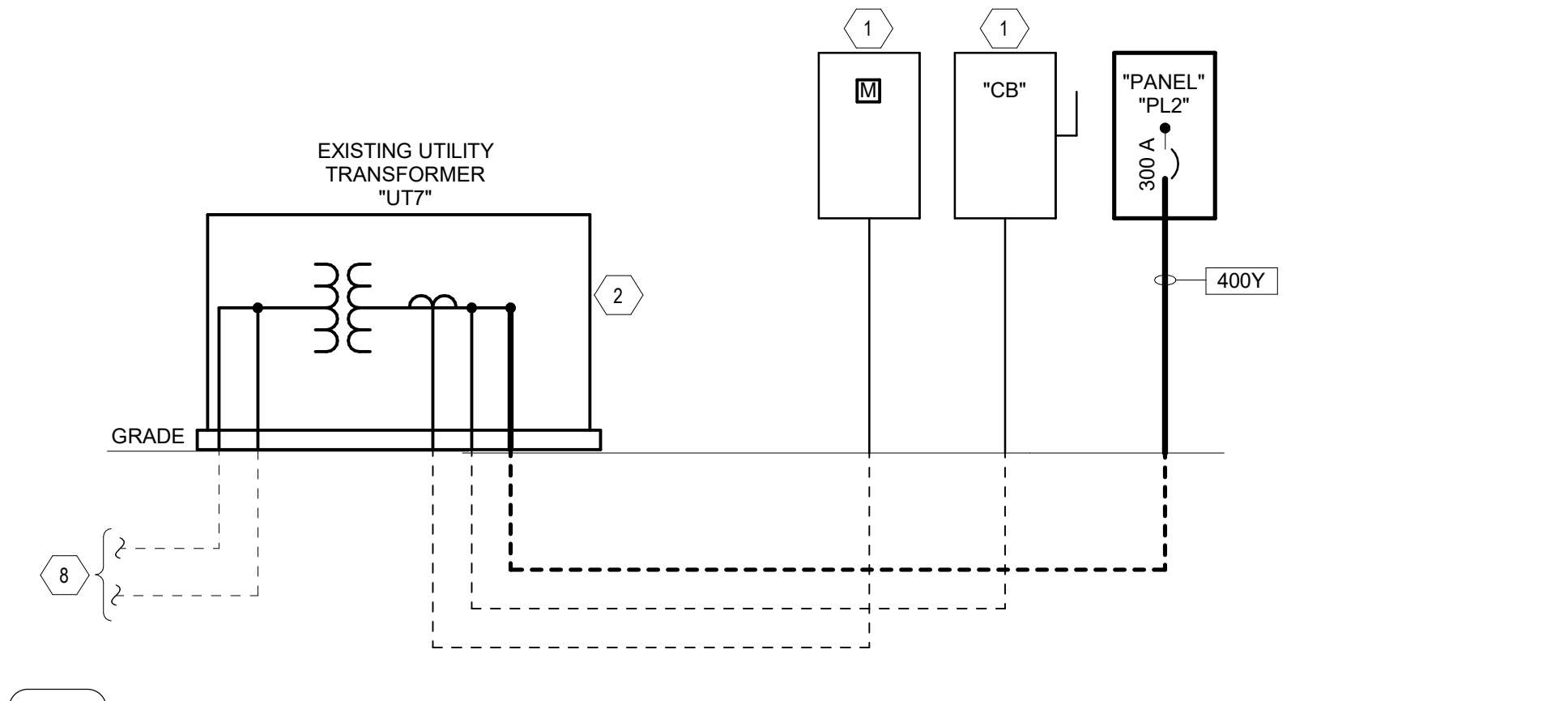
C1 ELECTRICAL ONE LINE DIAGRAM DEMOLITION UT-7
NO SCALE

Electrical Service Calc.-UT7 at Curry County Fair Grounds - Project #8734

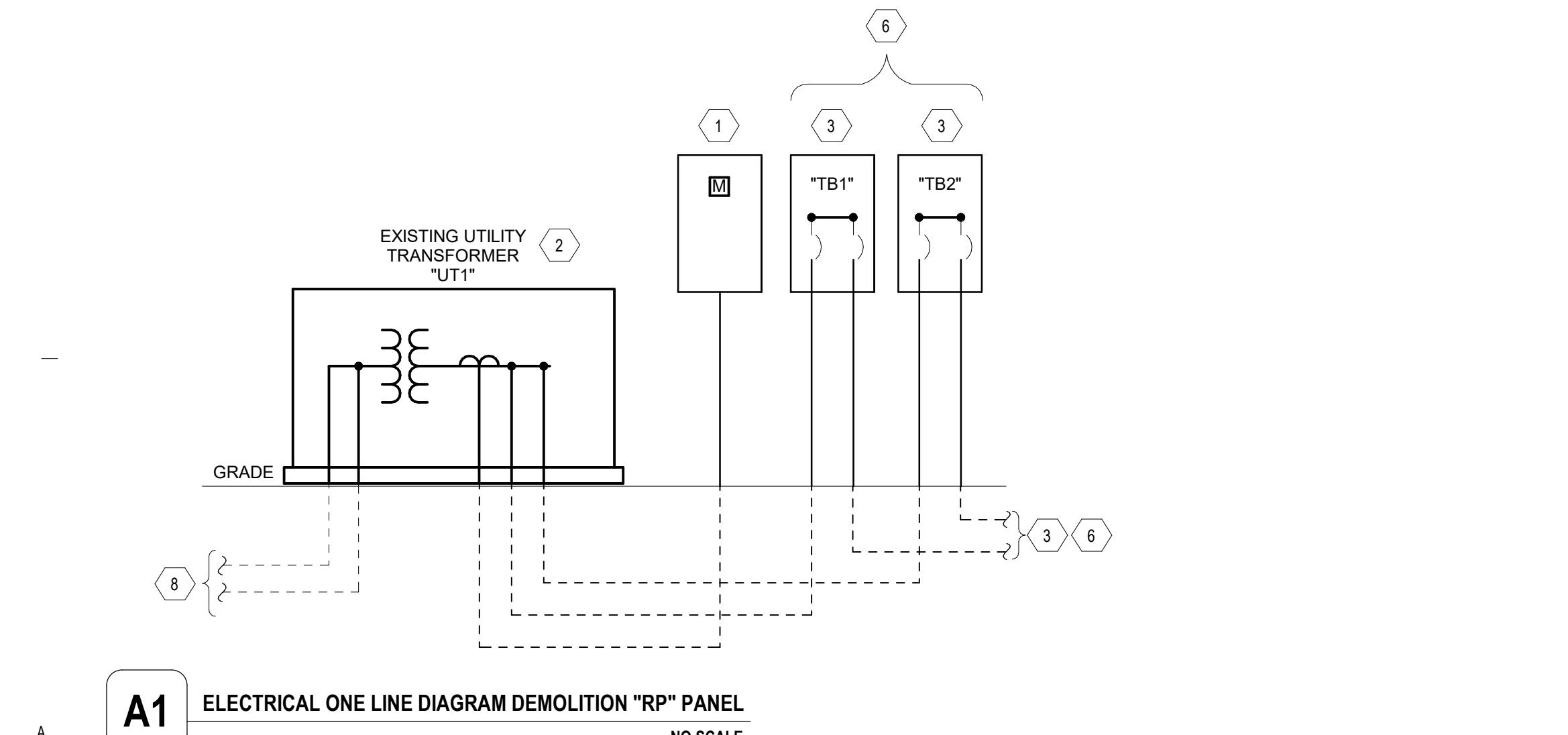
Description of Load	Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Non-continuous loads	43	100%	43	100%	43	
Existing Peak kW per Xcel Energy - 06/29/2023	78	125%	98	100%	98	
Subtotal of loads KVA	121		140		140.0	
			Future Capacity 5%		7	
			Total Service load KVA		147	
			Voltage of Service (240/120V-1PH)		0.240	
			Total Service Ampacity		613	
62,554 Sq. Ft.		0.60 watts/sq. ft. for exterior lighting load			0 VA	
62,554 Sq. Ft.		0.68 watts/sq. ft. for non-continuous loads			42,500 VA	
		0.68 total Watts per Sq. ft.				

EXISTING UT7 IS A 167KVA RATED UTILITY TRANSFORMER

C3 ELECTRICAL SERVICE CALCULATION UT-7
NO SCALE



C4 ELECTRICAL ONE LINE DIAGRAM PL2 PANEL
NO SCALE



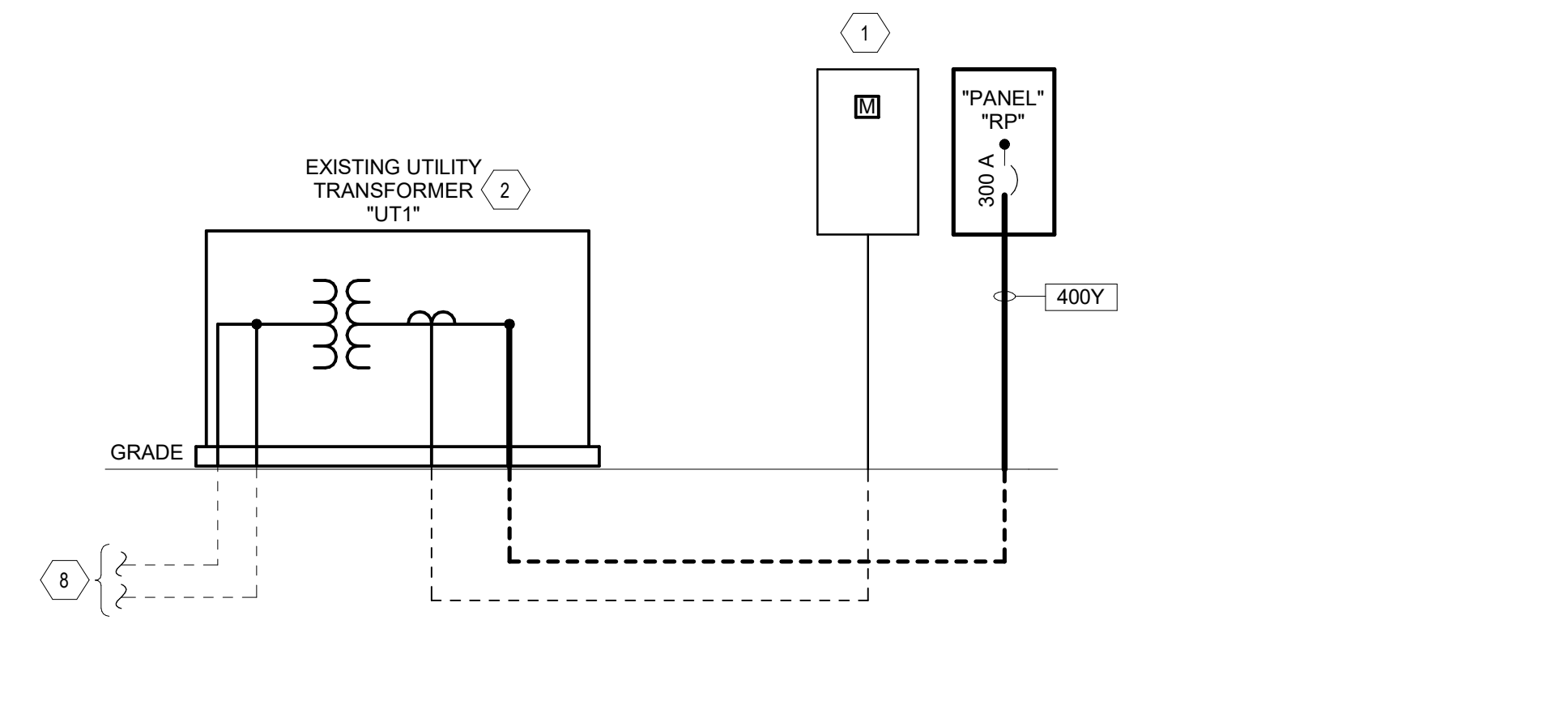
A1 ELECTRICAL ONE LINE DIAGRAM DEMOLITION "RP" PANEL
NO SCALE

Electrical Service Calc.-UT1 at Curry County Fair Grounds - Project #8734

Description of Load	Connected Load KVA	Demand % Multiplier	Demand Load KVA	Service % Multiplier	Service Load KVA	Notes
Lighting Exterior	2	100%	2	125%	2	
Non-continuous loads	43	100%	43	100%	43	
Existing Peak kW per Xcel Energy - 06/29/2023	44	125%	55	100%	55	
Subtotal of loads KVA	68		90		99.4	
			Future Capacity 20%		20	
			Total Service load KVA		119	
			Voltage of Service (208-3PH)		0.360	
			Total Service Ampacity		331	
62,554 Sq. Ft.		0.63 watts/sq. ft. for exterior lighting load			1,700 VA	
62,554 Sq. Ft.		0.48 watts/sq. ft. for non-continuous loads			42,500 VA	
		0.71 total Watts per Sq. ft.				

EXISTING UT1 IS A 300KVA RATED UTILITY TRANSFORMER

A3 ELECTRICAL SERVICE CALCULATION UT-1
NO SCALE



A4 ELECTRICAL ONE LINE DIAGRAM NEW "RP" PANEL
NO SCALE

REVISIONS

7/5/2023	Addendum 2
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NOTES

DRAWN BY	DLC
REVIEWED BY	OU
DATE	06/09/2023
PROJECT NO	#23-0003

NORTH + SCALE

DRAWING NAME
ELECTRICAL DIAGRAMS

E-6.1a

