

**ADDENDUM  
NO. 1**

**March 17, 2025**

**PORTER LAKES ELEMENTARY SCHOOL  
ADDITION, RENOVATIONS, AND RELATED WORK  
Hebron, IN 46341**

**TO: ALL BIDDERS OF RECORD**

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated March 5, 2025 by Gibraltar Design, Inc. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1, Specification Section 00 34 10 – Responsible Bidding Practices, and attached Addendum No. 1 from Gibraltar Design, Inc. dated March 14, 2025 and consisting of 6 pages, Specification Section 07 41 13 – Aluminum Roofing and 28 drawings.

**A. SPECIFICATION SECTION 00 00 20 – TABLE OF CONTENTS**

1. **Add:**
  - a. Specification Section 00 34 10 – Responsible Bidding Practices
  - b. Specification Section 07 41 13 – Aluminum Roofing

**B. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY**

Under 3.03 Bid Categories

**B. BID CATEGORY NO. 03 - ROOFING**

1. **Add:**
  - a. Specification Section 07 41 13 – Aluminum Roofing

**SECTION 00 34 10 - RESPONSIBLE BIDDING PRACTICES**

**PART 1 - GENERAL**

**1.01 DESCRIPTION**

- A. Responsible Bidding Practices requirements, a copy of which is included herein.

END OF SECTION 00 34 10

# Porter Township School Corporation

248 South 500 West  
Valparaiso, IN 46385  
219-477-4933 ext. 1000

STACEY M. SCHMIDT, Ph.D.  
Superintendent

BEN PARRISH  
Assistant Superintendent

KATHLEEN SMITH  
CFO/Treasurer



## RESOLUTION #0325-324

### **A Resolution to Establish Responsible Bidding Practices and Submission Requirements on Public Works Projects**

WHEREAS, the Porter Township School Corporation (the "School Corporation") is required by law to award capital improvement contracts to the "lowest responsive and responsible" bidder;

WHEREAS, the School Corporation, based upon its experience, has determined that quality workmanship, efficient operation, safety, and timely completion of projects requires all bidders meet certain minimum requirements in order to be a "responsive and responsible" bidder;

WHEREAS, applicable state law also requires that bidders meet certain minimum requirements in order to be a "responsive and responsible" bidder;

WHEREAS, the School Corporation seeks to enhance its ability to identify "responsive and responsible" bidders on all School Corporation public works construction projects by institution of more comprehensive submission requirements which are in compliance with Indiana State law;

WHEREAS, the "Responsible Bidding Practices and Submission Requirements" Resolution will preserve administrative resources by insuring that only qualified contractors and subcontractors are awarded contracts on public works construction projects;

WHEREAS, the "Responsible Bidding Practices and Submission Requirements" Resolution will assure efficient use of taxpayer dollars, will promote public safety and is in the public interest; and,

WHEREAS, the "Responsible Bidding Practices and Submission Requirements" Resolution will help ensure that no contractor awarded work under this Resolution or any subcontractor at any tier working on a project awarded pursuant to this Resolution engages in payroll fraud, including the misclassification of employees as independent contractors to avoid paying state, federal or local payroll taxes, workers compensation insurance, unemployment insurance premiums and failing to pay overtime and wages as required by law.

### **NOW, THEREFORE, BE IT ORDAINED BY THE PORTER TOWNSHIP SCHOOL CORPORATION**

**SECTION 1.** This Resolution #0325-324, which is entitled "Responsible Bidding Practices and Submission Requirements for Submitting Bids to Perform Construction Work on Public Works Projects," is hereby enacted and shall read as follows:



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## **I. Bid Submission Requirements**

Contractors proposing to submit bids on any Porter Township School Corporation project estimated to be at least one-hundred fifty thousand dollars (\$150,000.00) or more must, in order to be considered a responsible bidder, prior to the opening of bids, submit a statement made under oath and subject to perjury laws, on a form designated by the School Corporation and must include:

- (A) A copy of a print-out of the Indiana Secretary of State's on-line records for the bidder dated within sixty (60) days of the submission of said document showing that the bidder is in existence, current with the Indiana Secretary of State's Business Entity Reports, and eligible for a certificate of good standing. If the bidder is an individual, sole proprietor or partnership, this subsection shall not apply;
- (B) A list identifying all former business names;
- (C) Any determinations by a court or governmental agency for violations of federal, state, or local laws including, but not limited to violations of contracting or antitrust laws, tax or licensing laws, environmental laws, the Occupational Safety and Health Act (OSHA), or federal Davis-Bacon and related Acts;
- (D) A statement on staffing capabilities, including labor sources;
- (E) Evidence of participation in apprenticeship training programs applicable to the work to be performed on the project, which are approved by and registered with the United States Department of Labor's Office of Apprenticeship, or its successor organization; and evidence that any applicable apprenticeship program has graduated at least five (5) apprentices in each of the past five (5) years for each of the construction crafts the bidder will perform on the project. Evidence of graduation rates are not required for apprentice able crafts dedicated exclusively to the transportation of material and equipment to and from the public works project.

The required evidence includes but is not limited to a copy of all applicable apprenticeship standards and Apprenticeship Agreement(s) for any apprentice(s) who will perform work on the public works project; and documentation from each applicable apprenticeship program certifying that it has graduated at least five (5) apprentices in each of the past five (5) years for each construction craft the bidder will perform on the project. Additional evidence of participation and graduation requirements may be requested by the School Corporation at its discretion.

- (F) A copy of a written plan for employee drug testing that: (i) covers all employees of the bidder who will perform work on the public works project; and (ii) meets, or exceeds, the requirements set forth in IC 4-13-18-5 or IC 4-13-18-6;
- (G) The name and description of the management experience of each of the bidder's project managers and superintendents that bidder intends to assign to work on the project;



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- (H) Proof of any professional or trade license required by law for any trade or specialty area in which bidder is seeking a contract award; and disclosure of any suspension or revocation within the previous five years of any professional or trade license held by the company, or of any director, office or manager employed by the bidder;
- (I) Evidence that the bidder is utilizing a surety company on the United States Department of Treasury's Listing of Approved Sureties;
- (J) A written statement of any federal, state or local tax liens or tax delinquencies owed to any federal, state or local taxing body in the last five years;
- (K) A statement that individuals who will perform work on the public works project on behalf of the bidder will be properly classified as either (i) an employee or (ii) an independent contractor, under all applicable state and federal laws and local ordinances;
- (L) A list of projects of similar size and scope of work that the bidder has performed in the State of Indiana within three (3) years prior to the date on which the bid is due;
- (M) For contracts estimated to cost at least three hundred thousand dollars (\$300,000), certification that the bidder and all subcontractors are qualified under IC 4-13.6-4 or IC 8-23-10.
- (N) A written list that discloses the name, address, and type of work for each subcontractor the bidder intends to employ on any part of the public works project, including individuals performing work as independent contractors.

The School Corporation reserves the right to demand supplemental information from the bidder, additional verification of any of the information provided by the bidder, and may conduct random inquiries of the bidder's current and prior customers.

## **II. Post-Bid Submissions from Subcontractors**

Each subcontractor of any tier shall be required to adhere to the requirements of Section I of this Resolution, but subcontractors shall submit the required information to the successful bidder, who shall then submit said information to the School Corporation prior to the subcontractor's first day of work on the public works project.

Failure of a subcontractor to submit the required information shall not disqualify the successful bidder from performing work on the project and shall not constitute a contractual default or breach by the successful bidder. However, payment shall be withheld from any subcontractor who fails to timely submit said information until such

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information is submitted and approved by the School Corporation. Additionally, the School Corporation may require the successful bidder and/or relevant subcontractor to remove a subcontractor from the project and replace it with a responsive and responsible subcontractor.

The disclosure of a subcontractor by a bidder or a subcontractor shall not create any rights in the disclosed subcontractor. Thus, a bidder and/or a subcontractor may substitute another subcontractor for a disclosed subcontractor by giving the School Corporation written notice of the name, address, and type of work the substitute subcontractor will perform. The substitute subcontractor is subject to all of the obligations of a subcontractor under this Resolution.

### **III. Validity of Pre-Qualification Classification**

Upon designation by the School Corporation that a bidder's or subcontractor's submission is complete and timely, and upon any further consideration deemed necessary by the School Corporation, the bidder or subcontractor may be pre-qualified for future School Corporation public works projects. Pre-qualification shall exempt the bidder or subcontractor from the comprehensive submission requirements contained herein for a period of twelve (12) months. Thereafter, bidders or subcontractors who are pre-qualified must submit a complete application for continuation of pre-qualified standing, on a form provided by the School Corporation, (i.e. a "short form") by December 31<sup>st</sup> for the upcoming calendar year. Failure by any pre-qualified bidder or subcontractor to timely submit its complete application for continuation of pre-qualified standing shall result in automatic removal of the designation effective January 1<sup>st</sup> of the upcoming year. However, the removed bidder or subcontractor shall still be permitted to bid on or perform work on School Corporation public works projects.

Any material changes to a contractor's status, at any time, must be reported in writing within ten (10) days of its occurrence to the School Corporation. The pre-qualification designation is solely within the discretion of the School Corporation and the School Corporation specifically reserves the right to change or revoke the designation for a stated written reason(s).

Denial of pre-qualification shall be in writing and shall be forwarded to the contractor within seven (7) working days of such decision. Any contractor denied or losing pre-qualification status may request reconsideration of the decision by submitting such request in writing to the School Corporation within five (5) business days of receipt of notice of denial.

### **IV. Incomplete Submissions by Bidders**

It is the sole responsibility of the bidder to comply with all submission requirements herein no later than the public bid opening. Submissions deemed inadequate, incomplete, or untimely by the School Corporation shall result in the automatic disqualification of the bid.



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## **V. Responsive and Responsible Bidder Determination**

After its review of complete and timely submissions, taking into account all information in the submission requirements, the School Corporation shall in its sole discretion, determine whether a bidder or subcontractor is responsive and responsible. The School Corporation reserves the right to utilize all information provided in the bidder or subcontractor's submission or any information obtained by the School Corporation through its own independent verification of the information provided.

## **VI. Certified Payroll**

For projects in which the cost is at least one-hundred fifty thousand dollars (\$150,000), the successful bidder and all subcontractors working on a public works project shall submit a certified payroll report utilizing federal form WH-347 or its successor form, which must be prepared on a weekly basis and submitted to the School Corporation within ten (10) calendar days after the end of each week in which the successful bidder or subcontractor performed on the public works project. Certified payroll reports shall identify the job title and craft of each employee on the project, e.g. journeyman electrician or apprentice electrician. In the event any successful bidder or subcontractor uses independent contractors to perform work on the project, such individual must be identified on the federal form WH-347 or successor form with the same information as is required for employees.

The School Corporation may withhold payment due for work performed by a successful bidder or subcontractor for failure to timely submit their respective certified payroll reports until such time as the reports are submitted. The School Corporation shall not withhold payment to a successful bidder or subcontractor for failure of the successful bidder or one or more other subcontractors to timely submit their certified payroll reports.

## **VII. Public Records**

All information submitted by a bidder or a subcontractor pursuant to this Resolution, including certified payrolls, are public records subject to review pursuant to the Indiana Access to Public Records law (IC 5-14-3).

## **VIII. Penalties for False, Deceptive, or Fraudulent Statements/Information**

Any bidder or subcontractor that willfully makes, or willfully causes to be made, a false, deceptive or fraudulent statement, or willfully submits false, deceptive or fraudulent information in connection with any submission made to the School Corporation shall be disqualified from bidding or working on all School Corporation projects for a period of three (3) years.

## **IX. Conflicting Resolutions**

Any resolution or provision of any resolution in conflict with the provisions of this Resolution is hereby repealed.



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## **X. Severability**

If any provision of this Resolution is found to be invalid, the remaining provisions of this Resolution shall not be affected by such a determination; such provisions shall remain in full force and effect.

**SECTION 2.** It is hereby found and determined that all formal actions of the Board relating to the passage of this Resolution were adopted in open meeting(s) of the Board and that all deliberations of the Board and its committees that resulted in such formal actions, were meetings open to the public, in compliance with all legal requirements and that the reading and adoption of this Resolution complies with the Board Policy, as amended.

**SECTION 3.** This Resolution shall be in full force and effect from and after the date of adoption by the Porter Township School Corporation.

PASSED AND ADOPTED by the Porter Township School Corporation, Board of School Trustees, Porter County, Indiana on the 13th of March, 2025.

\_\_\_\_\_  
President, Board of School Trustees  
Porter Township School Corporation

ATTEST:

\_\_\_\_\_  
Secretary, Board of School Trustees  
Porter Township School Corporation

# Porter Township School Corporation

## Responsible Bidding Practices Submission Form

**Project: Porter Lakes Elementary School Addition, Renovations and Related Work**

**Bid Opening Date: April 2, 2025**

**Bid Opening Time: 11:00AM (CST)**

**Name of Contractor:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Telephone No.:** \_\_\_\_\_

**Name of Primary Contact:** \_\_\_\_\_

**Category of Work:** \_\_\_\_\_

**Date of Submission:** \_\_\_\_\_

***Contractors proposing to submit bids on any Porter Township School Corporation projects estimated to be at least one hundred fifty thousand dollars (\$150,000) or more must, include with their bids, a statement made under oath and subject to perjury laws, the following:***

- A. Attach to this form, a copy of a print-out of the Indiana Secretary of State's on-line records for the bidder dated within sixty (60) days of the submission of said document showing that the bidder is in existence, current with the Indiana Secretary of State's Business Entity Reports, and eligible for a certificate of good standing. If the bidder is an individual, sole proprietor or partnership, this section shall not apply.

- B. List all former business names:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

C. Provide violations of federal, state, or local laws as determined by a court or governmental agency (Not limited to violations of contracting or antitrust laws, tax or licensing laws, environmental laws, the Occupational Safety, and health Act):

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D. Provide a written statement on staffing capabilities, including labor sources:

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E. Attach to this form, evidence of participation in apprenticeship and training programs, applicable to the work to be performed on the project, which are approved by and registered with the United States Department of Labor’s Office of Apprenticeship, or its successor organization. Include all applicable apprenticeship certificates or standards for these training programs.

F. Attach to this form, a copy of a written plan for employee drug testing that covers all employees of the bidder who will perform work on the public work project and meets, or exceeds, the requirements set forth in IC 4-13-18-5 or IC 4-13-18-6.



G. Provide the name and description of the management experience of each of the bidder's project managers and superintendents that bidder intends to assign to work on the project:

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H. Attach to this form, proof of any professional or trade license required by law for any trade or specialty area in which bidder is seeking a contract award; and disclosure of any suspension or revocation within the previous five years of any professional or trade license held by the company, or of any director, office or manager employed by the bidder.

I. Attach to this form, evidence that the contractor is utilizing a surety company which is on the United States Department of Treasury's Listing of Approved Sureties.

J. Provide a written statement of any federal, state or local tax liens or tax delinquencies owed to any federal, state or local taxing body in the last five years:

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K. Provide a written statement that individuals who will perform work on the public work project on behalf of the bidder will be properly classified as either (i) an employee or (ii) an independent contractor, under all applicable state and federal laws and local ordinances:

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- L. List all projects of similar size and scope of work that the bidder has performed in the State of Indiana within three (3) years prior to the date on which the bid is due.

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Print: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

## ADDENDUM ONE

**Addendum One (AD.01)** to the drawings and specifications prepared by Gibraltar Design for **Porter Lakes Elementary School Addition, Renovations and Related Work** for Porter Township School Corporation, Valparaiso, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and include the appropriate content of same within their bid proposal.

## SPECIFICATIONS

1. **Specification Section 00 10 00**                      **Table of Contents**
  - A. Add the following Specification Section to the Table of Contents:
    1. Section 07 41 13, Aluminum Roofing.
2. **Specification Section 07 41 13**                      **Aluminum Roofing**
  - A. Add Specification Section 07 41 13, Aluminum Roofing, included in this Addendum, to the Project Manual.

## DRAWINGS

3. **Sheet G-101**
  - A. Revise the title for Sheet G-301 to read "GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND PARTITION TYPES".
4. **Sheet G-301**
  - A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
    1. Renamed the sheet "GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND PARTITION TYPES"
    2. Added symbols, Material Indications, and General Notes
5. **Sheet C-1.1**
  - A. DEMOLITION NOTE 8, revise to read "REMOVE EXISTING METAL BUILDING AND CONCRETE FLOOR PAD. REFER TO ELECTRICAL SHEETS FOR RELOCATION OF ELECTRICAL FEED TO NEW METAL BUILDING TO THE WEST."
6. **Sheet C-4.1**
  - A. At RAMP DETAIL, remove dimensions and notes associated with the railing, and replace with a single note reading "NEW ALUMINUM RAILING. (REFER TO ARCHITECTURAL SHEET A-302)".



**7. Sheet S-002**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Baseplate Schedule: BP-3 Removed, BP-SP3 & BP-SP4 added
  - 2. Concrete Pier Schedule: P28 Removed, P24x32 Added
  - 3. BP-SP3 & BP-SP4 Details Added
  - 4. BP-SP1 & BP-SP2 Details Modified

**8. Sheet S-201**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Held Dims. Provided between Exist. And Gridlines 11 & A.11
  - 2. Baseplate Designation at Grids 11 & A.11 Changed

**9. Sheet S-202**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Pipe Penetration Shifted at the Southeast Corner of the Classroom Addition
  - 2. Stepped Footings Changed at the Southeast Corner of the Classroom Addition
  - 3. Subgrade Cast-In-Place Walls Added at Intersecting Corridors in the Classroom Addition
  - 4. Footings Sizes Changes and adjusted in Elevation
  - 5. Concrete Pier at Grids 9 & A.2 Changed
  - 6. Gridline 14 Shifted
  - 7. Verify in Field Dims. Between Gridlines Added
  - 8. Retaining Wall at Playground Section Modified

**10. Sheet S-203**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Roof Drains Shifted
  - 2. Sections 10 & 11/S-413 Added
  - 3. Screenwall Post Shifted

**11. Sheet S-204**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Section 14/S-412 Added
  - 2. Roof Drain Frames Added
  - 3. Verify in Field Dims. Between Gridlines Added

**12. Sheet S-301**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Concrete Piers Modified

**13. Sheet S-401**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Detail 17 Added

**14. Sheet S-412**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Section 14 Added

**15. Sheet S-413**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Sections 10 & 11 Added

**16. Sheets AD-101 and AD-102**

- A. DEMOLITION KEYNOTES
  - 1. Keynote 21 – revise to read "PORTION OF EXISTING WALL TO REMAIN. REMOVE METAL COPING AND WOOD BLOCKING FROM TOP OF MASONRY WALL."
  - 2. Keynote 38 - add, stating "REMOVE ALL KITCHEN EQUIPMENT THE OWNER DOES NOT WANT. STORE EQUIPMENT SCHEDULED FOR REUSE, AND SCRAP THE REMAINDER."
  - 3. Keynote 39 - add, stating "REMOVE EXISTING FENCE SURROUNDING THE EXISTING CHILLER TO ALLOW FOR NEW CONSTRUCTION. PROTECT EXISTING CHILLER. REINSTALL FENCING AT THE COMPLETION OF THE PROJECT."

**17. Sheets A-101 and A-102**

- A. PLAN KEYNOTES.
  - 1. Keynote A15 - revise note to read "INSTALL NEW 1 1/4" I.D. ALUMINUM HANDRAIL AT RAMP. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO POST. REFER TO SHEET A-302."
  - 2. Keynote A21 - add "REFER TO EQUIPMENT SHEETS."

**18. Sheets A-201 and A-202**

- A. ROOF TYPES (revise types B, C, and D to read as follows).
  - 1. B. NEW METAL DECK; NEW ROOFING SYSTEM SHALL BE 0.060" FULLY-ADHERED SINGLE-PLY MEMBRANE OVER 1/2" COVER BOARD OVER TAPERED (1/4" PER FOOT) RIGID INSULATION WITH MINIMUM 2" THICKNESS AND AVERAGE MINIMUM THICKNESS OF 4".
  - 2. C. NEW SLOPED METAL DECK; ROOFING SYSTEM SHALL BE STANDING SEAM METAL ROOFING WITH EAVE, RIDGE, AND VALLEY FLASHING OVER EPDM FLASHING MEMBRANE OVER 3/4" EXTERIOR GRADE PLYWOOD ON METAL DECK. ROOFING SCREWS CANNOT PENETRATE BOTTOM FACE OF METAL DECK.
  - 3. D. EXISTING WOOD SUBSTRATE, REPAIR ANY DAMAGED SUBSTRATE; PROVIDE NEW ASPHALT SHINGLE ROOFING WITH FLASHING MEMBRANE TO BLEND IN AND TIE-IN PER NOTES AND DETAILS.

**19. Sheet A-202**

- A. The deck is level over the left to right corridor D-124 (10'-6" wide). This area shall be labeled type B (tapered insulation).
- B. The area designated as Roof Type C is a 3 piece entry canopy. Refer to structural

sheets for framing. The main (large) canopy is a barrel vault with an approximate radius of 33'-6" and slopes to the gutters shown. The smaller 2 canopies slope back to their individual gutter. Details will be provided in a forthcoming addendum..

**20. Sheet A-211**

- A. All insulation between brick veneer and CMU backup shall be 3" rigid insulation (not structural insulation).

**21. Sheet A-211**

- A. Detail 4, revise name to read "RETAINING WALL WITH RAILING"

**22. Sheet A-501**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Detail 3 removed
  - 2. Detail 9 renumbered to detail 3
  - 3. Detail 5 modified for insulation and galvanized angle.
  - 4. Detail 6-8 includes cut stone type marks, and are retitled for location clarification.
  - 5. Detail 9 new section at new courtyard windows
  - 6. Detail 10 includes cut stone type mark A3
  - 7. Detail 11 includes cut stone type numbers and additional stone pieces.
  - 8. Detail 12 was added

**23. Sheet A-901 and A-902**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. GENERAL CEILING PLAN NOTES
    - a. Added 2 notes.
  - 2. CEILING KEYNOTES
    - a. Clarified C02, C03, and C04, and added keynote C16

**24. Sheet A-901**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added Keynote C02, C12, and C16 to ceiling plan
  - 2. Removed detail 2, 3, and 4.
  - 3. Renumber detail 5 to detail 2.

**25. Sheet MD-201**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised sheet to show portion of roof being demolished.

**26. Sheet M-301**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised supply air ductwork in kitchen area.
  - 2. Revised ductwork serving Storage A-125.

**27. Sheet P-001**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised Plumbing Fixture Schedule.

**28. Sheet PD-101**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised electric water cooler note.
  - 2. Added existing storm piping.

**29. Sheet P-102**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised condensate piping.
  - 2. Revised sanitary piping for restrooms.
  - 3. Revised storm piping.
  - 4. Revised sheet note.

**30. Sheet P-103**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised storm piping.
  - 2. Revised electric water cooler notes.

**31. Sheet P-104**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised courtyard storm structures.

**32. Sheet P-301**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added vent piping for wash fountain.

**33. Sheet P-501**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised riser diagrams.
  - 2. Moved other details to sheet P-502 for space.

**34. Sheet P-502**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added details from Sheet P-501 for space

**35. Sheet ES-101**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added site pole locations.
  - 2. Revised fixture tags.

**36. Sheet ED-101**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.

1. Added exterior demo and existing devices.

**37. Sheet ED-102**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  1. Added exterior demo and existing devices.

**38. Sheet EP-101**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  1. Clarified generator location.
  2. Revised projector location.
  3. Added teacher station.
  4. Removed receptacle.

**39. Sheet E-503**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  1. Clarified site pole heights

Pages 1 through 6, inclusive, Specification Sections 07 41 13, and Twenty Eight (28) Full-Size Drawings, constitute the total makeup of **Addendum One**.



# SECTION 07 41 13

## ALUMINUM ROOFING

### 1 General

#### 1.1 Section Includes

- A. Standing seam aluminum metal panel roof system, fascias, and soffits, with related flashings and accessory components.
- B. Insulation System.
- C. Vapor barrier.

#### 1.2 Related Sections

- A. Section 07 62 00 - Sheet Metal Flashing.
- B. Section 07 71 19 - Aluminum Fascias, Copings, Gutters, and Downspouts.

#### 1.3 References

- A. AAMA 501.1 - Dynamic Air and Water Test.
- B. ASCE 7-95 - Minimum Design Loads for buildings and Other Structures.
- C. ASTM A653 - Steel Sheet Zinc-Coated (Galvanized) by the Hot-Dip Process, Structural (Physical) Quality.
- D. ASTM A792 - Grade 50B Structural Quality Steel Sheet, Aluminum-Zinc Alloy-Coated by the Hot-Dip Process, General Requirements for Galvalume.
- E. ASTM A924 - General Requirements for Steel Sheet Zinc-Coated (Galvanized) by the Hot-Dip Process.
- F. ASTM B117 - Salt Spray (Fog) Testing.
- G. ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate.
- H. ASTM C272 - Water Absorption of Core Materials for Structural Sandwich Constructions.
- I. ASTM C728 - Perlite Thermal Insulation Board.
- J. ASTM C1289 - Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board.
- K. ASTM D523 - Specular Gloss.
- L. ASTM D822 - Conducting Test on Paint and Related Coatings and Materials Using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.



- M. ASTM D968 - Abrasion Resistance of Organic Coatings by Falling Abrasive.
- N. ASTM D1308 - Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- O. ASTM D2244 - Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- P. ASTM D2247 - Water Resistance of Coatings in 100% Relative Humidity.
- Q. ASTM D2794 - Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- R. ASTM D4145 - Coating Flexibility of Prepainted Sheet.
- S. ASTM D4214 - Evaluating Degree of Chalking of Exterior Paint Films.
- T. ASTM E1592 - Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference.
- U. ASTM E1646 - Water Penetration of Exterior Metal Roof Panels Systems by Uniform Static Air Pressure Difference.
- V. ASTM E1680 - Rate of Air Leakage Through Exterior Metal Roof Panels Systems.
- W. AWPB LP2 - Pressure Treatment with Water Borne Salts for Lumber, Timber, and Plywood for Above Ground Use.
- X. Indiana Building Code.
- Y. UL 580 - Tests for Wind-Uplift Resistance of Roof Assemblies.

#### **1.4 Submittals**

- A. Submit product data under provisions of Division 1.
- B. Submit shop drawings under provisions of Division 1.
  - 1. Indicate materials, dimensions, panel layout, construction details, method of anchorage, including recommended clip spacing; to satisfy Indiana Building Code applicable codes; and method of installation.
- C. Submit manufacturer's available color samples for selection under provisions of Division 1.
- D. Submit structural design calculations and test reports, certified by a registered professional engineer, to verify load-carrying capacities of panel system and fasteners, expansion control calculations, and to show compliance with specified design and performance criteria.

## 1.5 Design And Performance Criteria

- A. Installed roof system shall withstand positive and negative design wind loading pressures complying with Indiana Building Code applicable codes and ASCE 7-95.
- B. Determine structural-uniform uplift load capacity in accordance with ASTM E1592 as follows.
  - 1. The Factor of Safety on the test results shall be 1.65 for the panel, batten, or clip ultimate loads with no increase for wind.
  - 2. The Factor of Safety for fasteners shall be 3.0 for single fastener in each connection, 2.25 for 2 or more fasteners in each connection, and 4.0 in masonry.
  - 3. Design uplift capacity for conditions of gage, span, or loading other than those tested may be determined by interpolation of test results.
    - a. Extrapolation of conditions outside the range of the tests is not acceptable.
  - 4. Deflection: 1/180 for positive loading.
- C. Water Penetration: No uncontrollable leakage of panel assembly at 20 psf pressure for 15 minutes in accordance with ASTM E1646 test procedure.
  - 1. Show no signs of leakage when tested in accordance with AAMA 501.1.
- D. Air Infiltration: No more than 0.0156 cubic feet per minute per square foot of panel at 20 psf pressure; when tested in accordance with ASTM E1680 test procedure.
- E. Thermal Movement: Test panels through a minimum of 100,000 thermal cycles with a minimum of 2 inches of movement relative to the clip anchor.
  - 1. Show that panel and clip wear will not affect structural performance or weathertightness of the system.
- F. UL Wind Uplift Resistance Classification: UL Class 90 as defined by UL 580; in addition to and not instead of other performance criteria set forth in this Specification.
  - 1. Certified statements from the manufacturer are not acceptable instead of a UL 90 classification.
  - 2. Manufacturer shall have a permanent, stationary, indoor production facility available for regular UL inspections.
- G. Fabricate panels in full length with no end laps.
  - 1. Roll-forming of panels at job-site shall be performed with manufacturer owned and relocatable industrial type rolling mill having a minimum of twelve stands to gradually shape the sheet metal.

2. Installer owned or rented roll formers are not acceptable.
- H. Concentrated Load Capacity: Panels shall withstand a concentrated load of 250 pounds applied to a four square inch area located in the center of the panel at mid span between supports with no panel deformation, buckling of ribs, or panel sidelap separation which will adversely affect weathertightness of the system.
- I. Fasten roof and fascia panels to the framing members with concealed anchor clips designed to allow for thermal movement of the panels, except where specific fixed points are indicated.
- J. Exposed fasteners will not be acceptable, except to fasten flashings, at fixing points, and as approved by the Architect.
- K. Roofing panels, clips, closures, flashings, and related accessories shall be the product of a single manufacturer.
- L. Provide removable individual panels for replacement of damaged material without disturbing adjacent panels.

## **1.6 Delivery, Storage, And Handling**

- A. Deliver materials in dry, undamaged condition.
- B. Unload in accordance with manufacturer's instructions.
- C. Inspect materials for damage and stains upon arrival at site.
- D. Store materials out of contact with ground in weathertight coverings in accordance with manufacturer's recommendations.

## **1.7 Warranty**

- A. Provide twenty (20) year warranty on finish of prefinished materials and ten (10) year warranty on finish of post painted materials against failures due to noticeable checking, peeling, blistering, and chalking.
- B. Weathertight Warranty: Provide warranty on watertightness of roof against water penetration of the metal roof panel system, including panel side joint trim and trim conditions.
  1. Base Bid: Provide weathertight warranty for a period of ten (10) years from date of substantial completion.

# **2 Products**

## **2.1 Aluminum Roofing - Acceptable Manufacturers**

- A. Centria, Pittsburgh, Pennsylvania; SRS Standing Seam Roof System.
- B. Merchant & Evans, Inc., Burlington, New Jersey, Zip-Rib Standing Seam Roofing System.

- C. Innovative Metals Company, Inc., Tucker, Georgia; Series 300 standing seam roofing system.
- D. Fabral, Lancaster, Pennsylvania; Stand 'N Seam standing seam roofing system.
- E. Berridge Manufacturing Company, West Chicago, Illinois; Zee-Lock Panel standing seam roofing system.
- F. Dimensional Metals, Inc., Reynoldsburg, Ohio

## **2.2 Sheet Materials For Aluminum Roofing**

- A. Sheet Stock: ASTM B209; 0.040 inch thick stucco embossed aluminum, 3004-H16.
- B. Metal Flashing Material: Same material as noted for sheet; minimum 0.040 inch material, or as required for intended use. Same finish as roofing.

## **2.3 Roofing Materials And Accessories**

- A. Trim and Flashing: Fabricate of matching sheet material; minimum 22 gage 0.040 inch material, or as noted.
- B. Anchor Clips: Provide projecting legs for additional panel alignment and for provision of thermal movement along the longitudinal dimension.
  - 1. Minimum 16 gage, G-90 galvanized.
  - 2. Non-magnetic stainless steel.
- C. Bearing Plates: Minimum 16 gage, minimum 4 inches by 4 inches, G-90 galvanized, prime painted non-magnetic stainless steel.
- D. Snow Guards: Pre-Finished mechanically fastened snow guards continuous fastened to standing seam of roof panel.
  - 1. Basis of Design: Alpine Snow Guards, Div. of Vermont Slate & Copper Services, Inc. Morrisville, Vermont; Model ASG4025, two pipe snow guard.
  - 2. Or Approved Equal.

## **2.4 Insulation**

- A. Polyisocyanurate: ASTM C1289, both faces finished with fiberglass mat. R-value of polyisocyanurate insulation shall be based on LTTR 6 per inch of thickness.
- B. Insulation Overlay Board: 1/4 inch thick DensDeck Prime overlay board as manufactured by Georgia Pacific Corporation, Atlanta, Georgia; or 1/4 inch thick Securock Roof Board as manufactured by United States Gypsum Company, Chicago, Illinois.

- C. Thickness of Insulation: Total thickness of inches consisting of two layers of polyisocyanurate and one layer of overlay board, providing a minimum total Thickness of 4 1/4-inches.

## **2.5 Treated Wood**

- A. Preservative Treatment by Pressure Process: AWPAC2 and C9.
  - 1. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.
- B. Dry lumber after treatment to a maximum moisture content of 19 percent.
- C. Dry plywood after treatment to a maximum moisture content of 18 percent.
- D. Do not use material that is warped or does not comply with requirements for untreated material.
- E. Mark material with treatment quality mark of an inspection agency approved by the ALSC Board of Review.
- F. Application: Treat items indicated on Drawings, and the following:
  - 1. Wood cants, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.
  - 2. Wood blocking, furring, stripping, and similar concealed members in contact with masonry or concrete.

## **2.6 Reinforced Vapor Barrier**

- A. Reinforced Vapor Barrier: Griffolyn Type T-55FR as manufactured by Reef Industries, Inc., Houston, Texas; Dura-Skrim 2FR as manufactured by Raven Industries, Springfield, Ohio; or approved equal; three ply high density polyethylene and nylon yarn laminate.
  - 1. Locate Vapor Barrier at metal deck.

## **2.7 Flashing Membrane**

- A. Place Full EPDM sheet, 0.045 inch thick, as manufactured by Carlisle SynTec Systems, Carlisle, Pennsylvania, or Firestone Building Products Company, Carmel, Indiana, over entire exterior treated plywood substrate.

## **2.8 Fasteners for Metal Roof Panels**

- A. Into Wood: #14 hex head stainless steel sheet metal screws.
- B. Into Steel: #14 hex head stainless steel cadmium plated self tapping sheet metal screws into pre-drilled holes or plated hardened steel self drilling screws.
- C. Exposed Fasteners: Aluminum or stainless steel, with separate washers with hot bonded neoprene faces.

1. Minimum #14 size screw.

## 2.9 Fasteners for Insulation

- A. As recommended by manufacturer.
- B. On the interior of the building, provide nylon screw covers on exposed insulation fasteners in Gymnasium ; Screw Point Caps as manufactured by Duro-Last, Inc., Saginaw, Michigan, or approved equal, color as selected by the Architect.

## 2.10 Sealants and Gaskets

- A. Manufacturer's standard type suitable for use with installation of aluminum metal roof panels; non-staining, non-shrinking, and non-sagging; ultra-violet and ozone resistant for exterior applications; color as selected; indicated service life of 20 years.

## 2.11 Touch-up Paint

- A. As recommended by manufacturer.

## 2.12 Fabrication Of Roofing Materials

- A. Roof Panels: Roll formed sheet material; nominal 2 1/2-inch standing seams; 18 inches wide; interlocking edges fitted with continuous gaskets or filled with sealant; anchor reveals; intermediate stiffening ribs.
- B. Soffit Panels: Roll formed sheet material; profile as indicated; 11 inches inches wide (**may vary based on field location and manufacturer**); interlocking edges fitted with continuous gaskets or filled with sealant; vented with elongated slits or small perforations with insect screen at vents.
- C. Trim, Closure Pieces, Fascias, and Caps: Same material, thickness, and where exposed, finish as sheet stock; break formed to required profiles.
- D. Fabricate to eliminate horizontal joints in roof panels.
- E. Foam Closure: Black closed cell foam supported and protected by a metal channel matching the roof flashing.

## 2.13 Finish

- A. Exposed Surfaces: Consisting of 0.2 plus or minus 0.05 mil primer on both sides with 0.8 plus or minus 0.1 mil 70 percent Kynar 500 or 70 percent Hylar 5000 topcoat; of color as selected by the Architect from manufacturer's available range.
- B. Performance Characteristics: In accordance with the following ASTM test procedures.
  1. Weatherometer Test: ASTM D822; passes 5000 hours, no objectionable chalking, color change, or adhesion loss.
  2. Specular Gloss: ASTM D523; gloss of 30 plus or minus 5.



3. Chalking Resistance: ASTM D4214; Florida exposure, 10 years at 45 degrees south; maximum rating of 8.
4. Color Change: ASTM D2244; Florida exposure, 10 years at 45 degrees south; maximum 5 units change.
5. Humidity Test: ASTM D2247; 100 percent relative humidity at 95 degrees F. Passes 1000 hours; no blisters.
6. Salt Spray: ASTM B117; 5 percent salt fog at 95 degrees F. Passes 1000 hours with less than 1/8 inch creepage from scribe.
  - a. None or few #8 blisters in field.
7. Pollution Resistance Test: ASTM D1308; 10 percent HCL, 15 minutes; no effect. 20 percent H<sub>2</sub>SO<sub>4</sub>, 18 hours; no effect.
8. Formability T-Bend: ASTM D4145; no cracking or tape removal of film at 0-T bend.
9. Impact Resistance Test: ASTM D2794; impact in inch/pounds equals 2000 times metal thickness; no cracking or adhesion loss.
10. Abrasion Resistance Test Falling Sand: ASTM D968; 50 liters required to expose 5/32 inch of substrate.

### **3 Execution**

#### **3.1 Inspection**

- A. Inspect the building to verify that the structure is ready for installation of roofing.

#### **3.2 Installation**

- A. Wood Blocking and Nailers: Install wood blocking and nailers securely as recommended by the manufacturer.
- B. Vapor Barrier: Adhere vapor barrier to metal deck with all joints, edges, openings, breaks, or tears sealed or taped to provide a continuous vapor barrier.
- C. Insulation: Install insulation in accordance with manufacturer's recommendations.
  1. Remove wet or saturated insulation from the job site.
  2. Do not install more insulation than can be covered with roofing panels in one day.
  3. Stagger joints between layers of insulation.
  4. Install perlite insulation on vapor barrier followed by extruded polystyrene insulation.

- D. Full EPDM Membrane System:
1. Apply EPDM over entire roof area – extend over roof edges for trim and closure to rake and eave trim conditions.
- E. Roof Panels and Related Components: Install in accordance with manufacturer's installation procedures, erection drawings, and UL 90 classification.
1. Install roof panel anchor clips with two screws per clip over bearing plates, anchored through the insulation and into the metal deck in accordance with manufacturer's UL90 construction number.
    - a. Maximum Spacing of Roof Clips: 2 feet for a distance of 12 feet from all edges and 4 feet in field of roof.
  2. Install panels in one continuous length from eave to ridge.
  3. Permanently fasten panels to structure, align, level, and plumb, within specified tolerances.
  4. Allow for thermal movement in all attachments and perimeter details.
  5. Protect panel surfaces in contact with cementitious materials and dissimilar metals with bituminous paint.
    - a. Allow to dry prior to installation.
  6. Pan the ends of all panels at closures.
  7. Flash all roof penetrations.
  8. Seal and place gaskets to prevent weather penetration.
    - a. Maintain neat appearance.
  9. Set all closures in wet sealant.
    - a. Apply sealant tape across the top of metal closures.
  10. Field seam all panels with factory supplied seaming tool.
  11. Prime and paint all field cuts made on sheet material.
  12. Remove site cuttings from finish surfaces.
  13. Locate snow guards at locations and spacings as recommended by the manufacturer.

### 3.3 Tolerances

- A. Maximum Offset from True Alignment Between Adjacent Members Butting or In line: 1/16 inch.

- B. Maximum Variation from Plane or Location Indicated on Drawings: 1/8 inch.

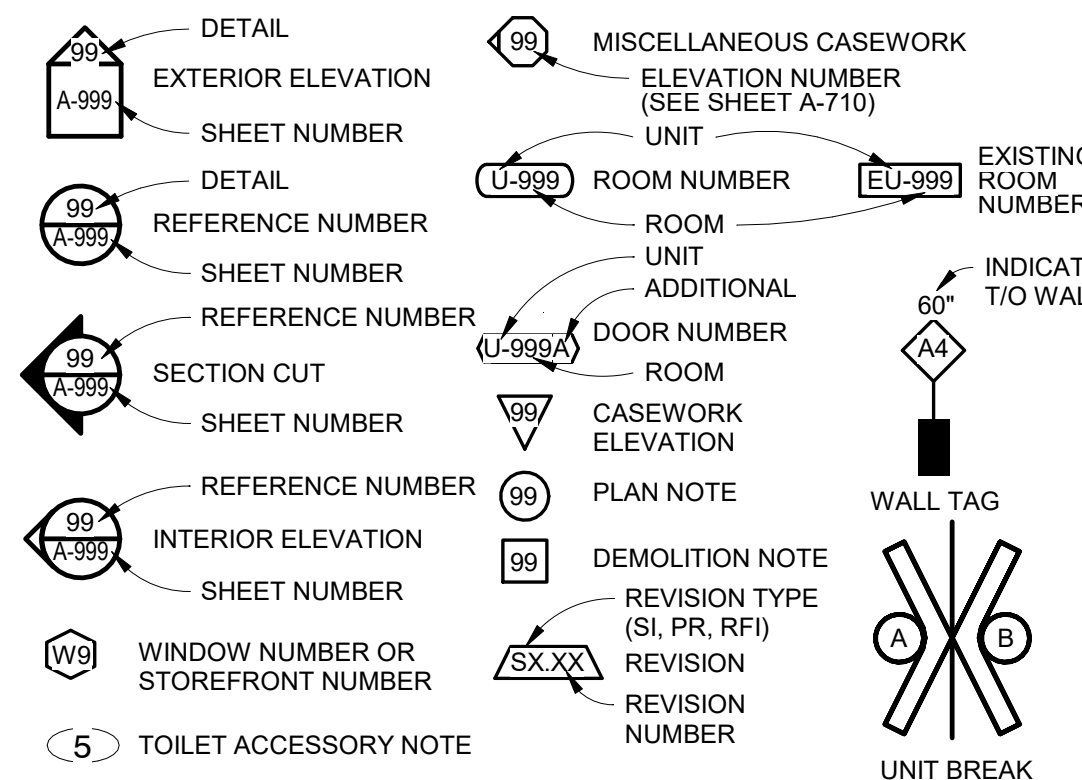
### **3.4 Cleaning And Protection**

- A. Protect panels from abuse from other trades.
- B. Provide walk boards in heavy foot traffic areas to prevent damage to panel finish.
- C. Replace panels, flashings, and other components which have been damaged.
- D. Wipe down each area after erection is complete, for final acceptance.

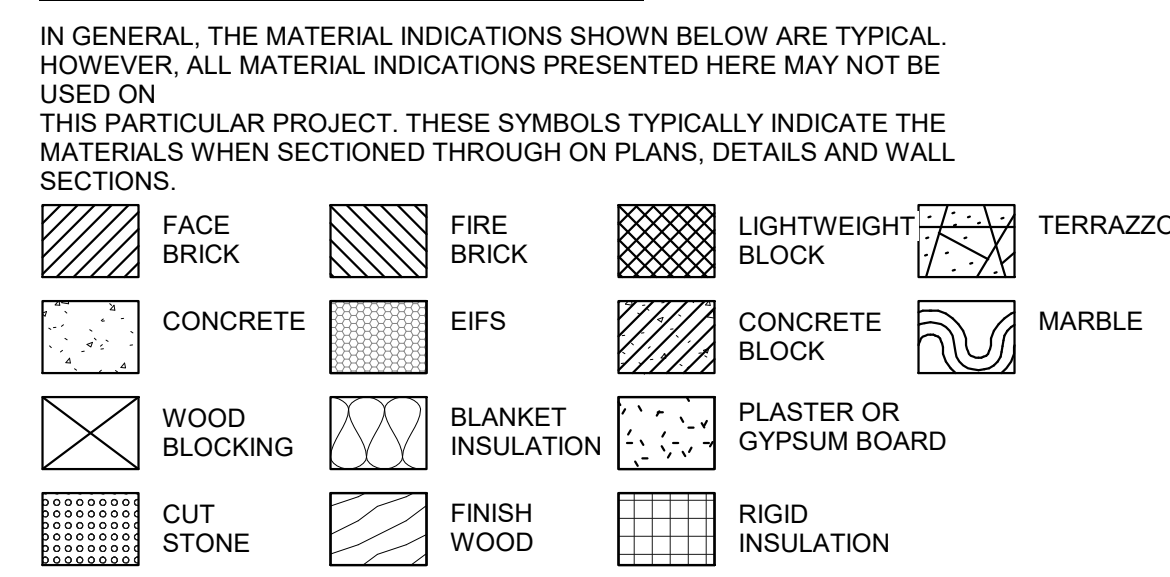
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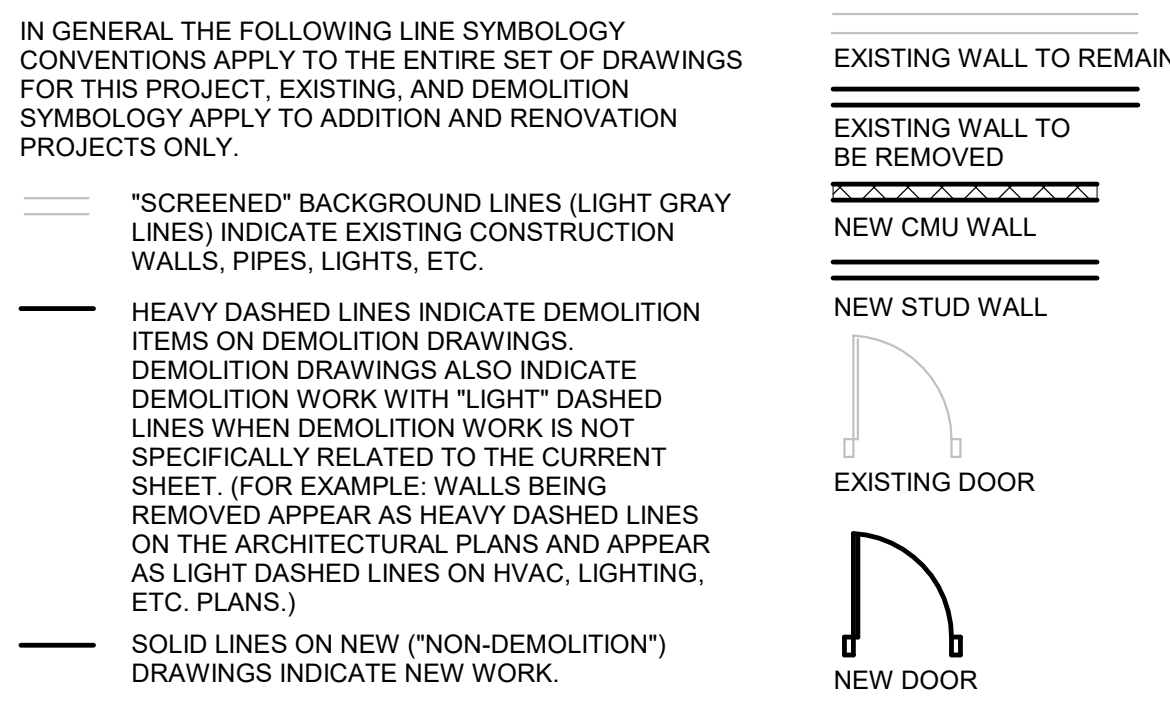
**SYMBOL LEGEND:** (NOT ALL SYMBOLS APPLY TO THE PROJECT)



**MATERIAL INDICATIONS:**



**LINE SYMBOLOGY:**



**ARCHITECTURAL ABBREVIATIONS:**

Table of architectural abbreviations including AC (Acoustical), AFF (Above Finished), ALUM (Aluminum), and many others.

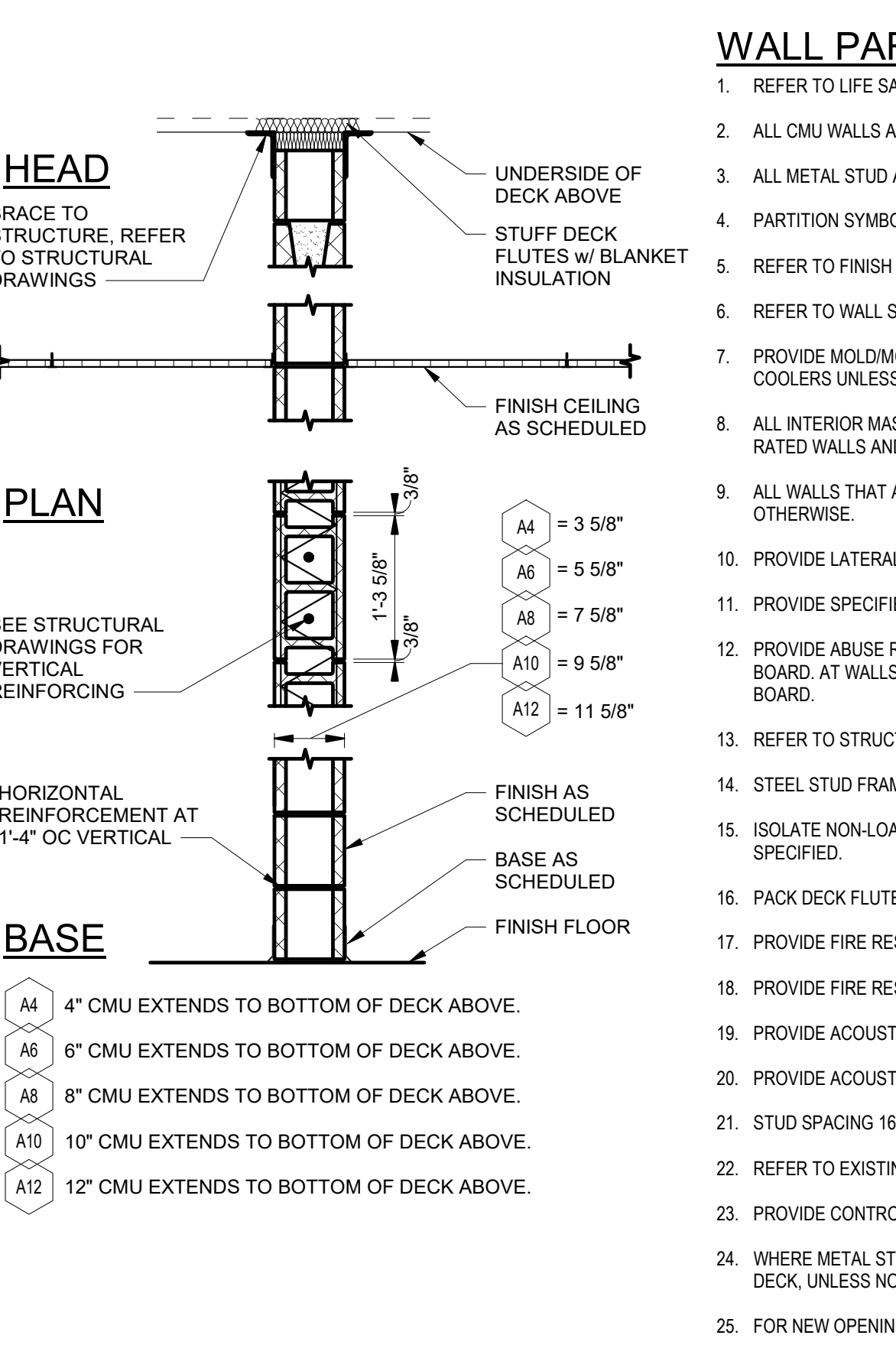
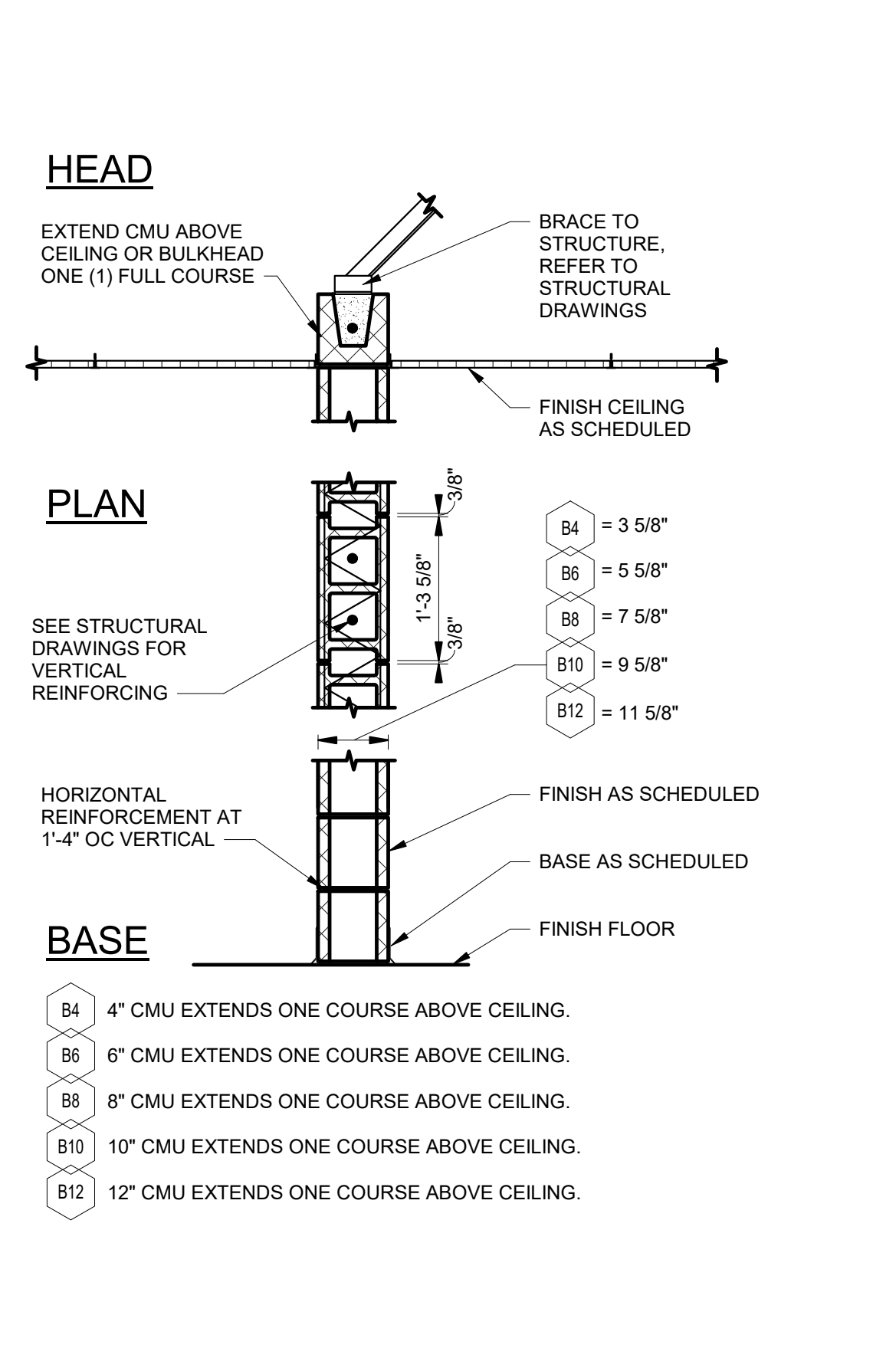
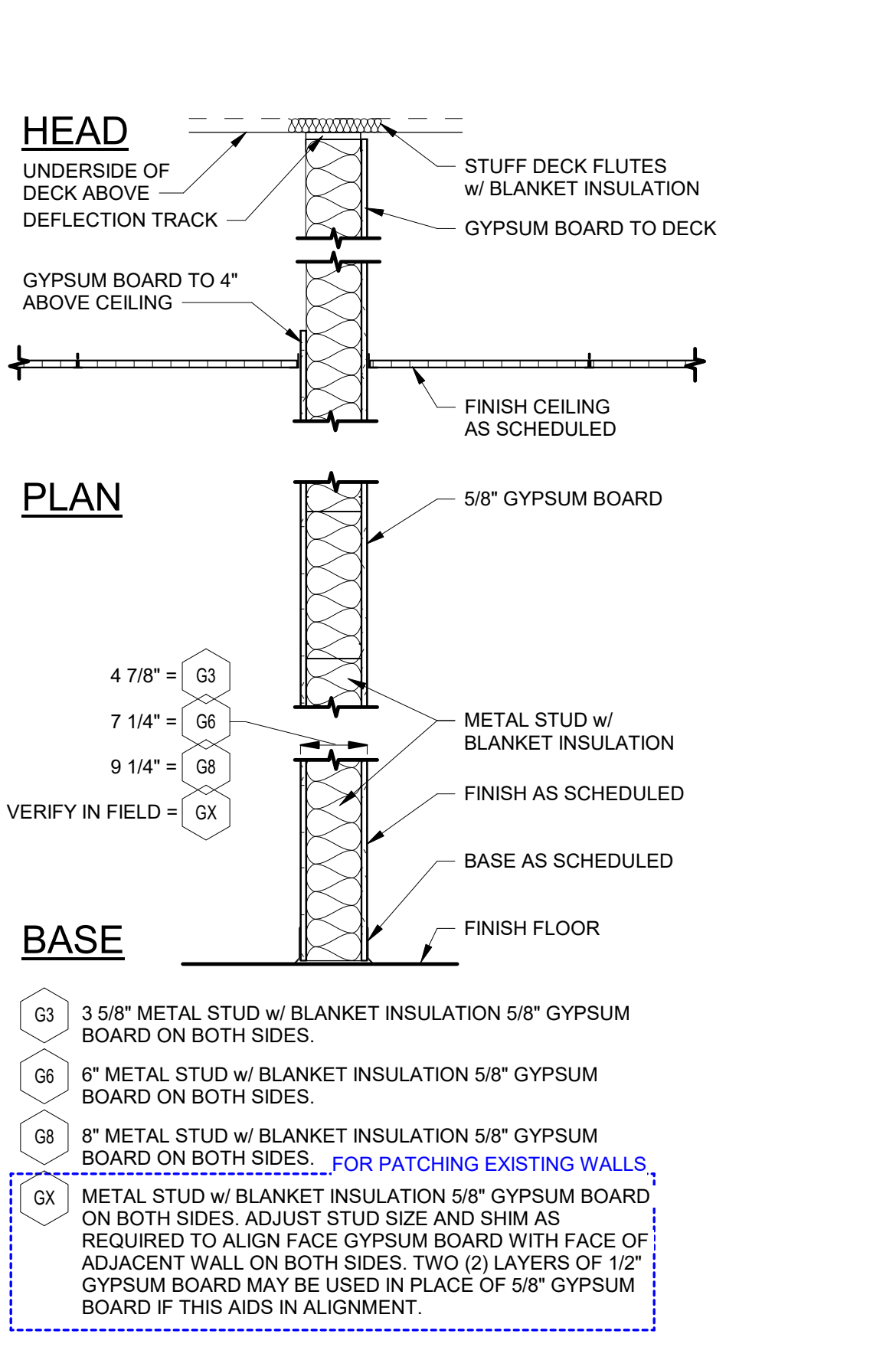
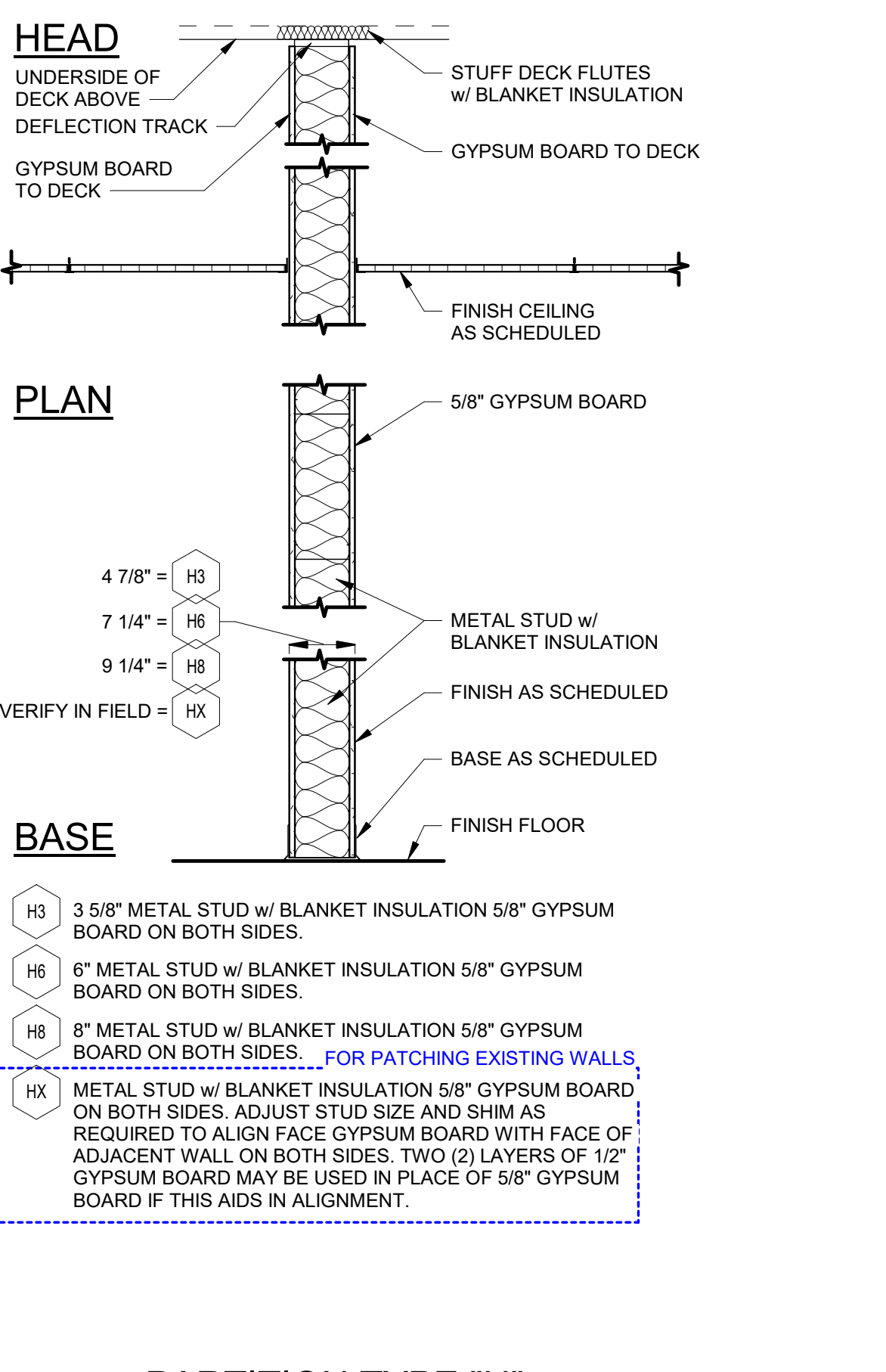
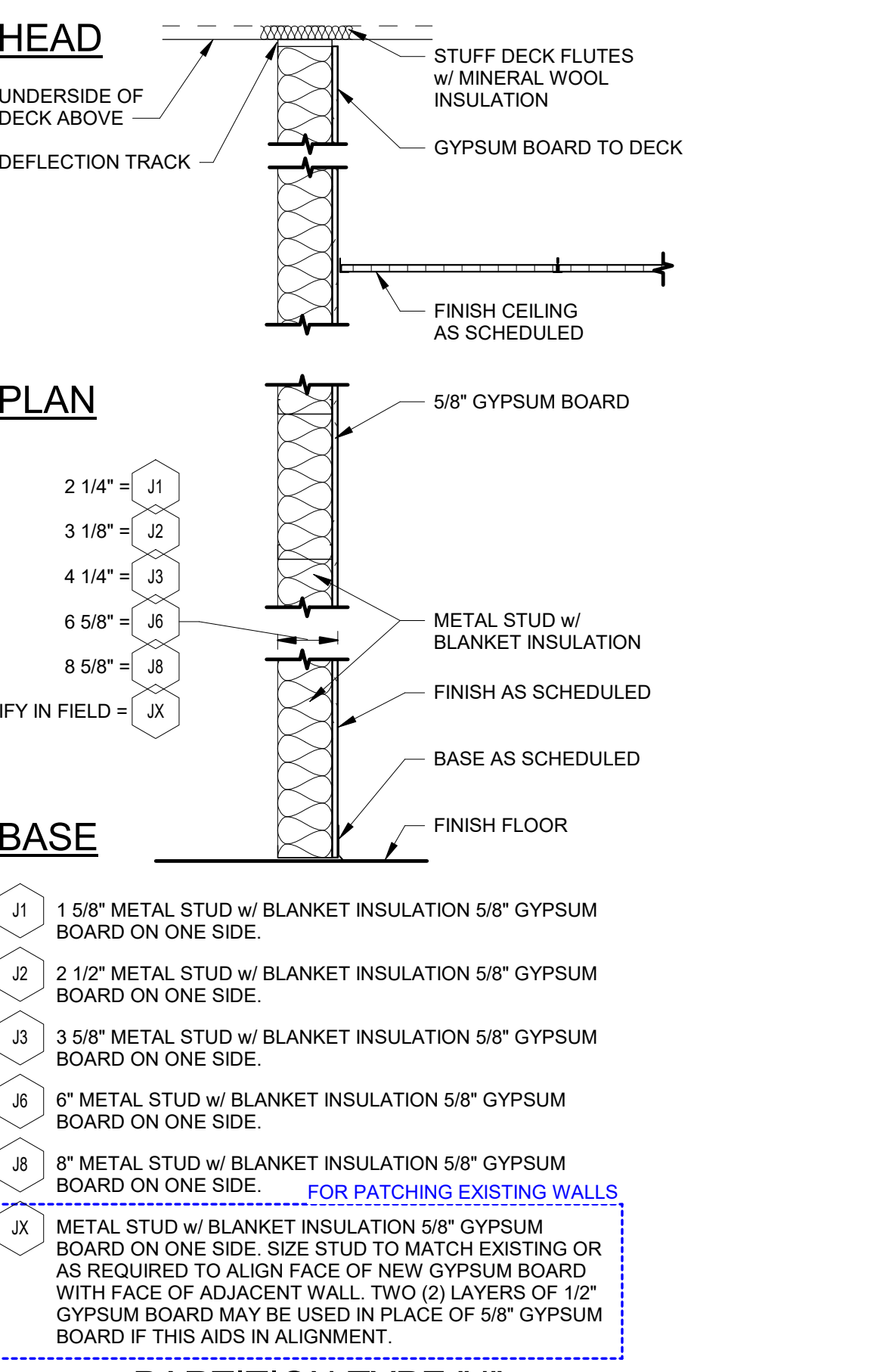
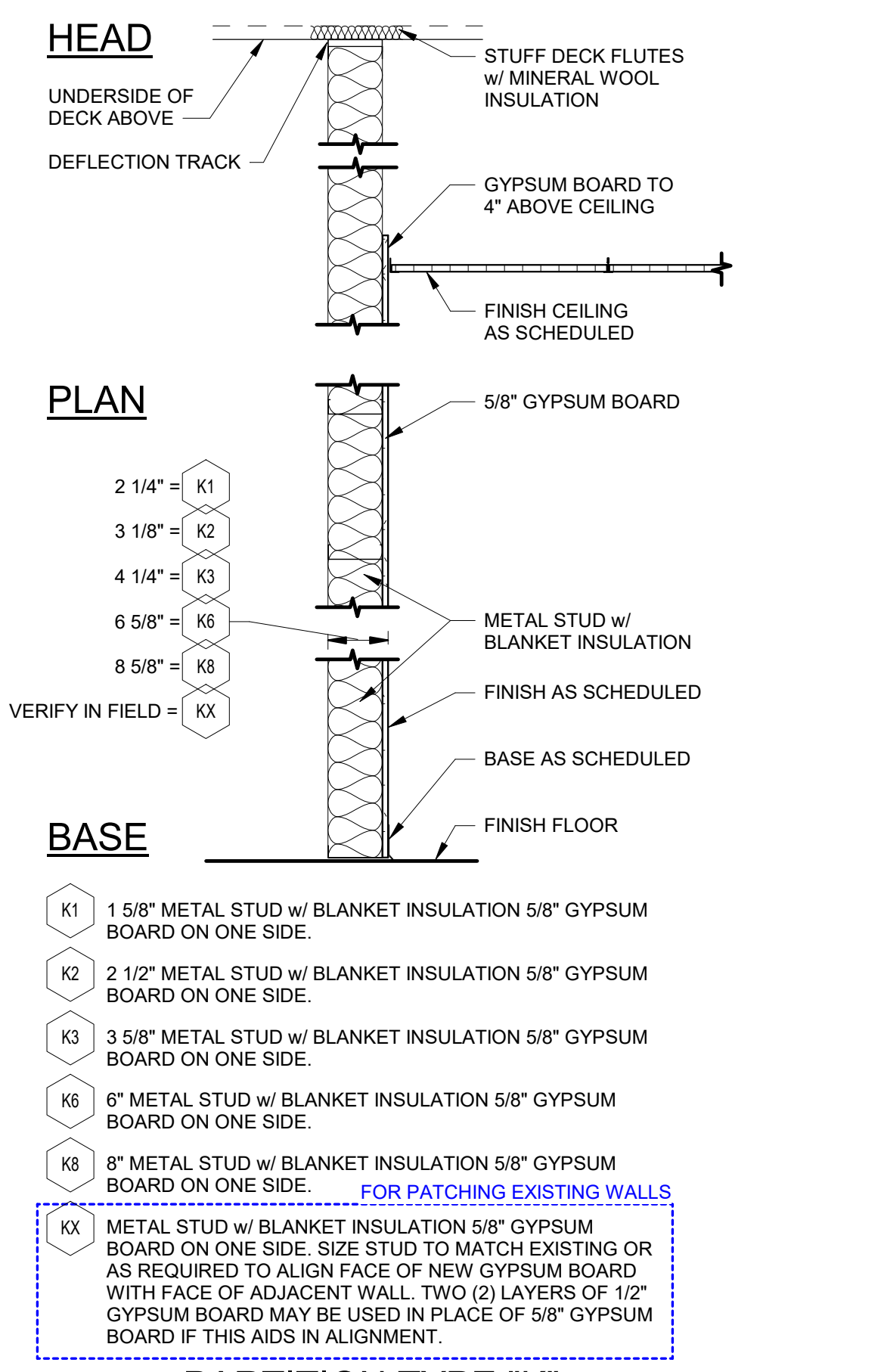
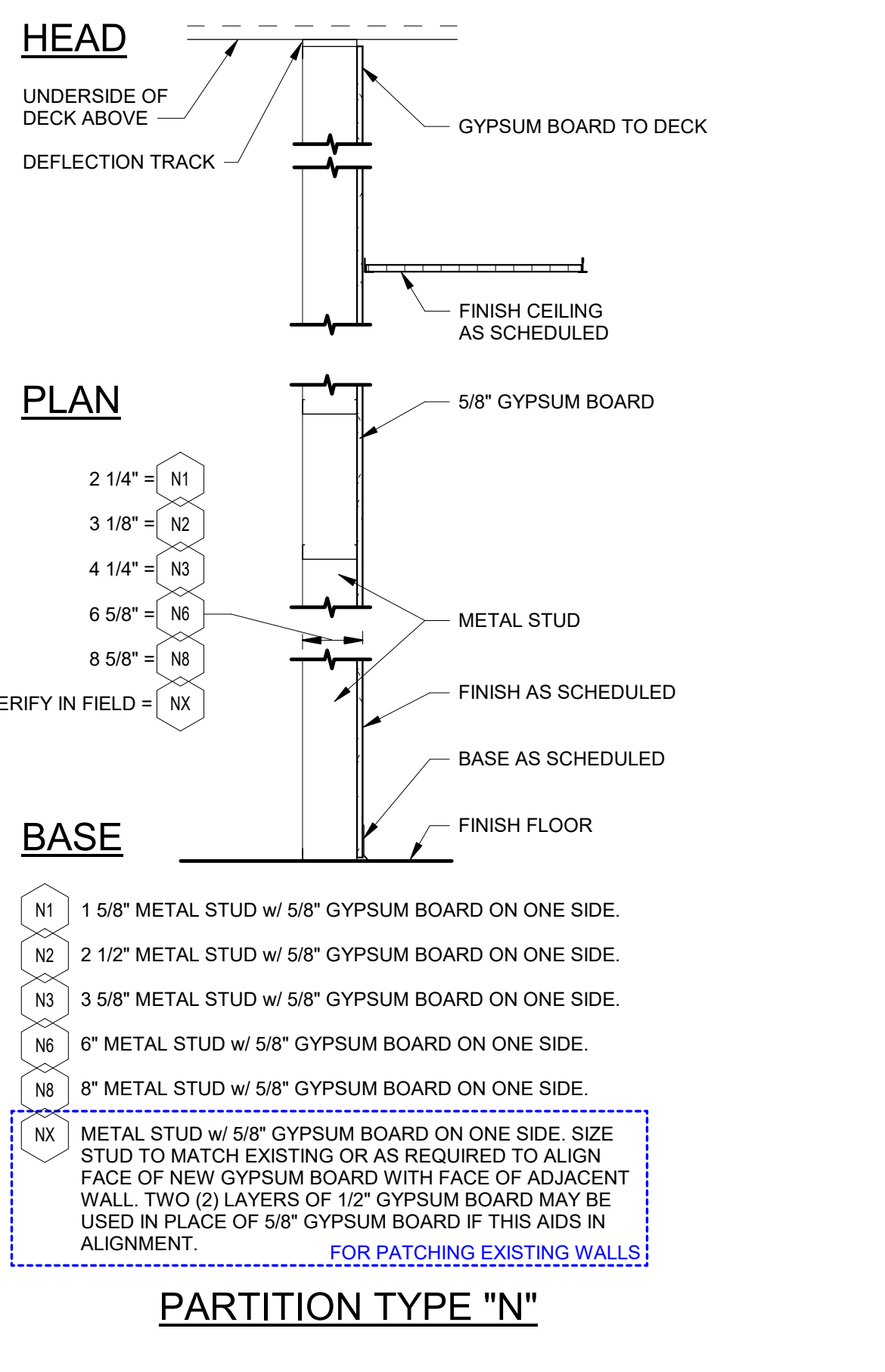
**GENERAL NOTES:**

- (APPLY TO ENTIRE DRAWING SET)
A. ALL CONTRACTORS SHALL CHECK ENTIRE SET OF CONTRACT DOCUMENTS FOR THE EXTENT OF WORK.
B. EACH TRADE SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION...

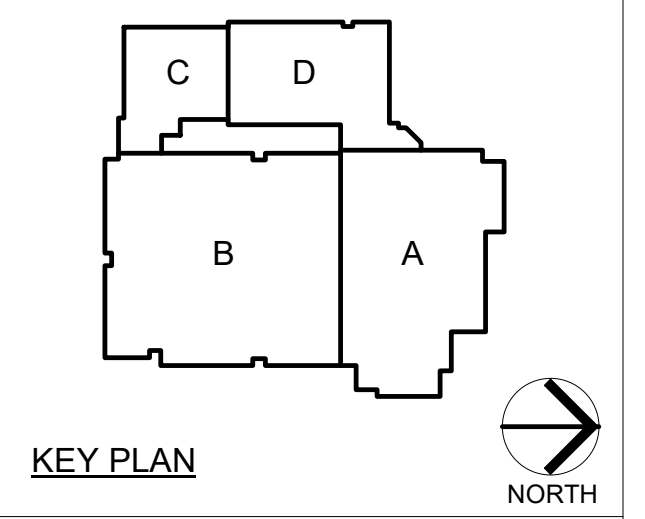


PROJECT:
Porter Lakes Elementary School Addition, Renovations and Related Work

FOR:
Porter Township
208 S 725 W, Hebron, IN 46341



- WALL PARTITION NOTES
1. REFER TO LIFE SAFETY PLANS FOR RATED WALL LOCATIONS THAT EXTEND TO DECK ABOVE.
2. ALL CMU WALLS ARE TYPE 'B' (B' BE AT CHASE WALLS AND COLUMN ENCLOSURES) UNLESS NOTED OTHERWISE.



GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260

PROJECT 24-142
DATE March 5, 2025
COORDINATED BY Designer
DRAWN BY EJM
CHECKED BY [Signature]

REVISIONS
MARK DATE ISSUED FOR
AD-1 03/14/25 ADDENDUM 1

Table with columns for Mark, Date, and Issued For, containing revision AD-1.

DRAWING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND PARTITION TYPES

PROJECT Porter Lakes Elementary School Addition, Renovations and Related Work







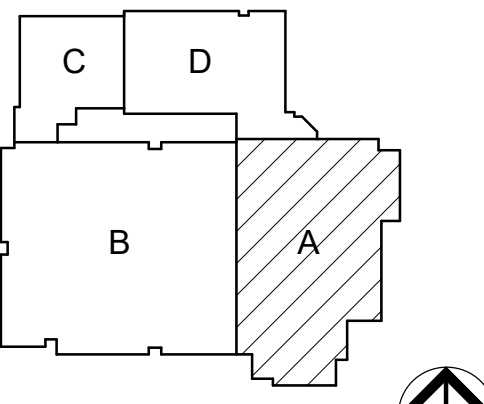
**GIBRALTAR**  
DESIGN  
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

Porter Lakes Elementary School Addition, Renovations and Related Work

FOR:  
Porter Township

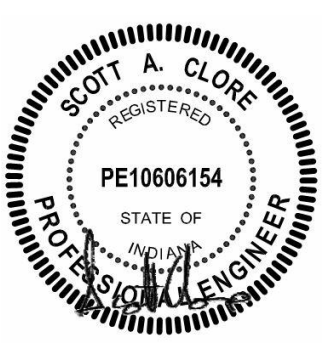
208 S 725 W, Hebron, IN 46341



KEY PLAN  
NORTH

**GIBRALTAR DESIGN**  
9102 N. Meridian St., Ste. 300  
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Homepage: www.GibraltarDesign.com  
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PROJECT  
24-142  
DATE  
March 5, 2025  
COORDINATED BY  
NHF  
DRAWN BY  
NHF  
CHECKED BY  
SAC



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**REVISIONS**

MARK	DATE	ISSUED FOR
AD-1	03.14.2025	ADDENDUM 1

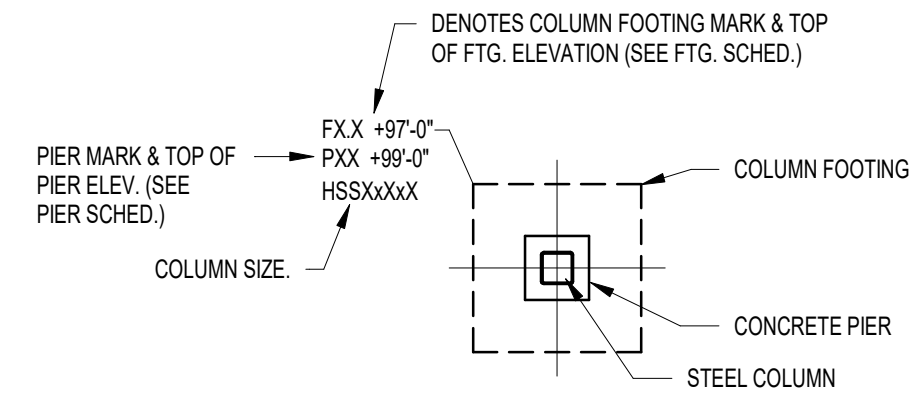
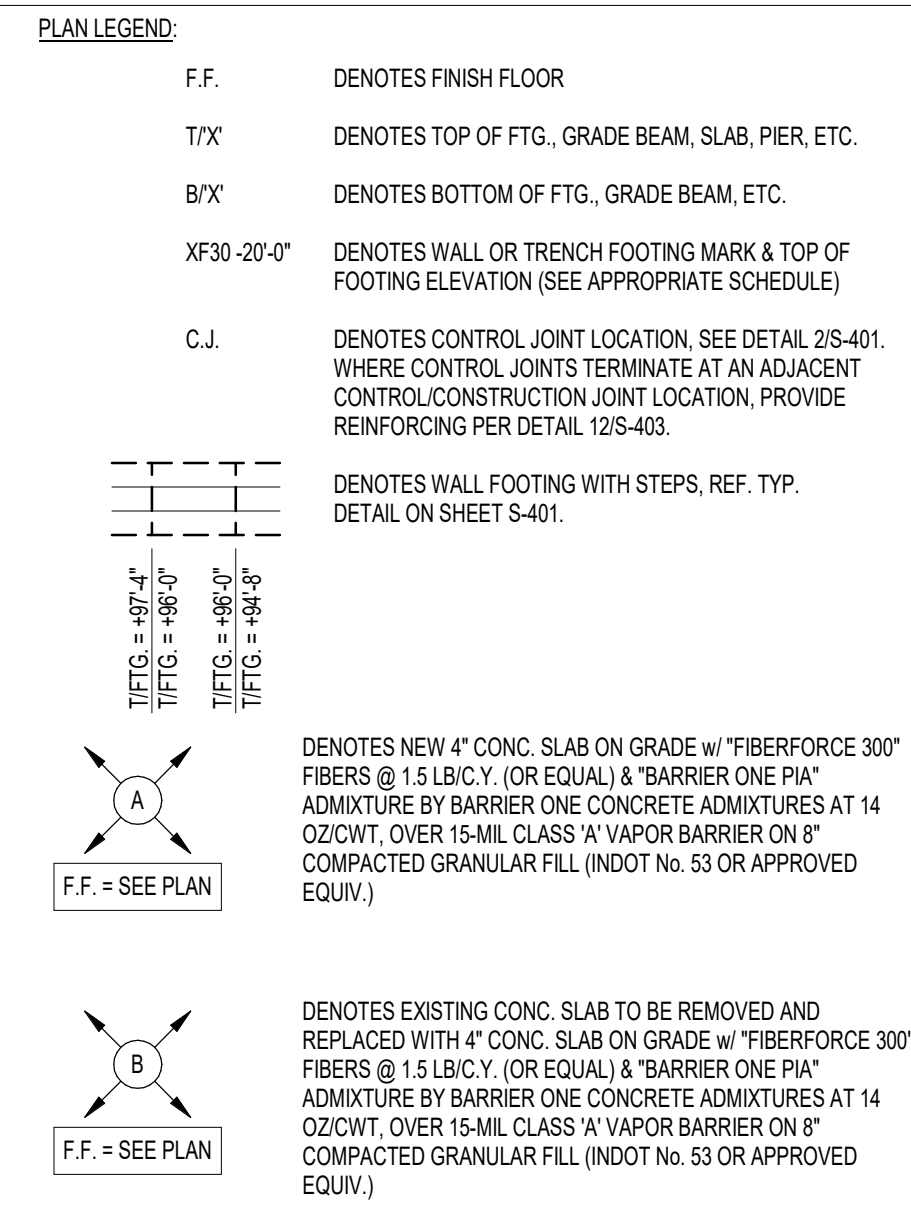
DRAWING  
FOUNDATION PLAN - AREA A

PROJECT  
Porter Lakes Elementary School Addition, Renovations and Related Work

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**A S-201**

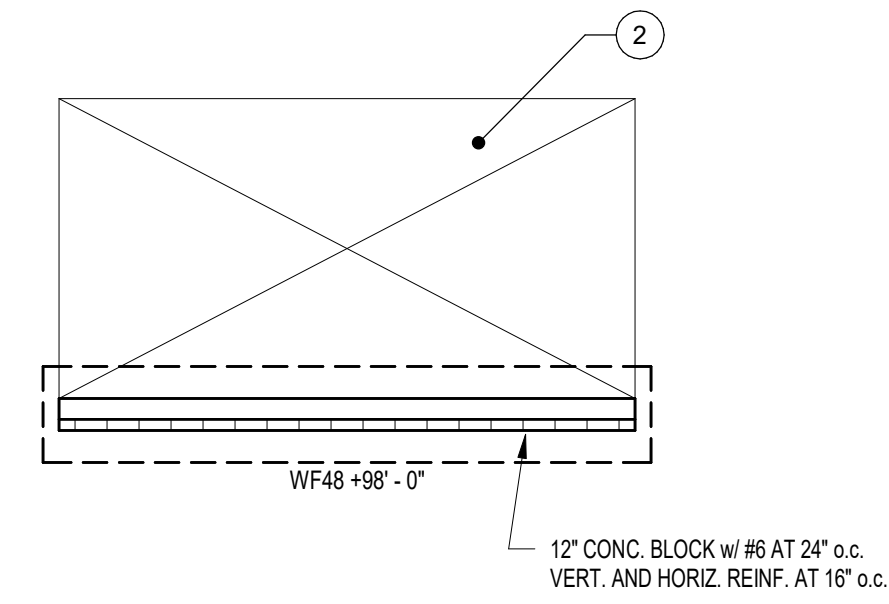
**FOUNDATION PLAN NOTES**

- REFER TO SHEETS S-001-02 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
- ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
- COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
- ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION +107'-0". REFER TO THE SITE/CIVIL DRAWINGS FOR EXACT U.S.S. ELEVATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- REFER TO SHEET S-401 FOR TYPICAL FOUNDATION DETAILS.
- NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEAVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) AND CONDUITS SHOWN ON THE PLUMBING/ELECTRICAL DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S-401.
- ANY SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
- COORDINATE REINFORCING BOWLS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
- GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
- COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOILS w/ A MINIMUM BEARING CAPACITY OF 2,500 PSF. WHERE THESE CAPACITIES CANNOT BE ACHIEVED REFER TO THE TYPICAL OVEREXCAVATION DETAILS ON SHEET S-401, AND COORDINATE WITH THE GEOTECHNICAL ENGINEER AND/OR 3<sup>RD</sup> PARTY TESTING AGENCY.
- PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE THE TYPICAL DETAIL ON SHEET S-401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
- PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAIL ON SHEET S-401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.

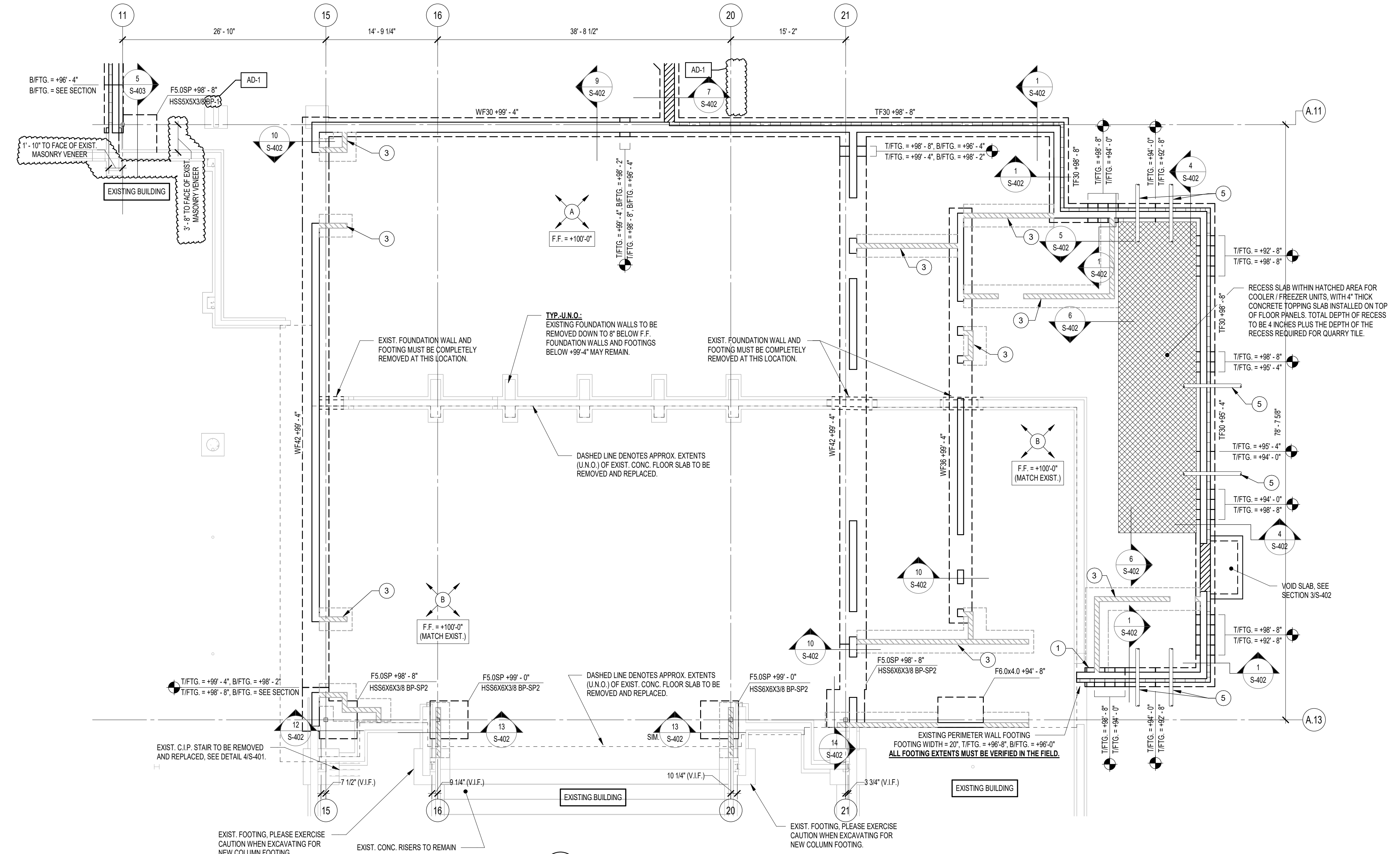


**FOUNDATION PLAN KEYED NOTES**

- LOWER BOTTOM OF NEW WALL OR TRENCH FOOTING TO MATCH BOTTOM OF EXIST. WALL AND/OR COLUMN FOOTING AT THIS LOCATION.
- DENOTES MECHANICAL EQUIPMENT PAD. COORD. EXACT MECHANICAL PAD SIZE AND LOCATION w/ THE APPROPRIATE CONTRACTOR. REFER TO SECTION 418-403 FOR EQUIPMENT PAD REINFORCEMENT AND PERIMETER DETAILING.
- DENOTES INTERIOR CONC. BLOCK WALL w/ #4 AT 48" o.c. VERT. (GROUT CORES SOLID AT BARS) AND HORIZ. REINF. AT 16" o.c. ON THICKENED SLAB PER TYPICAL DETAIL ON SHEET S-401, TYP.
- CONCRETE STAIRS. REFER TO TYPICAL DETAIL ON S-401. COORDINATE GEOMETRY AND LOCATION w/ ARCH. DRAWINGS.
- DENOTES APPROX. LOCATION OF PIPE PENETRATION THROUGH FOUNDATION WALL. REFER TO PLUMBING AND SITE/CIVIL DRAWINGS FOR EXACT SIZE, LOCATION, AND INVERT ELEVATION. SEE DETAILS ON SHEET S-401 FOR STEPPED FOOTINGS, SLEEVES, ETC.
- DENOTES NEW TO EXIST. SLAB. REFER TO DETAIL 165-401 FOR NEW REINF. EMBED AND SPACING INTO EXIST. CONC. SLAB.
- DENOTES OFFSET CONC. PIER AS NOTED DIMENSIONED ON PLAN. REFER TO BASEPLATE SCHEDULE ON SHEET S-402 FOR SPECIALTY BASEPLATE TO BE PROVIDED AT THIS LOCATION.



**2 FOUNDATION PLAN - ALTERNATE TRANSFORMER PAD**  
1/8" = 1'-0"



**1 FOUNDATION PLAN - AREA A**  
1/8" = 1'-0"

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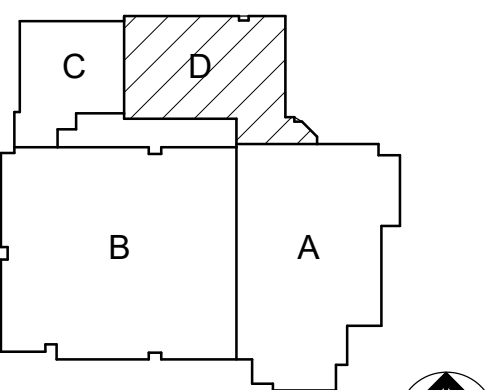


**GIBRALTAR DESIGN**  
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT:  
**Porter Lakes Elementary School Addition, Renovations and Related Work**

FOR:  
Porter Township

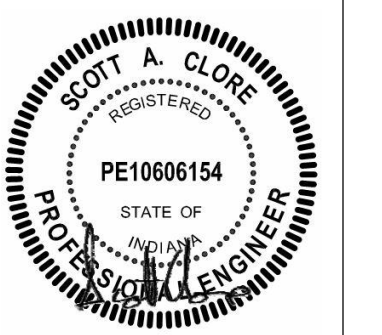
208 S 725 W, Hebron, IN 46341



KEY PLAN  
NORTH

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Indianapolis, IN 46260  
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Phone 317.580.5777 Fax 317.580.5778

PROJECT  
24-142  
DATE  
March 5, 2025  
COORDINATED BY  
NHF  
DRAWN BY  
NHF  
CHECKED BY  
SAC



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REVISIONS		
MARK	DATE	ISSUED FOR
AD-1	03.14.2025	ADDENDUM 1

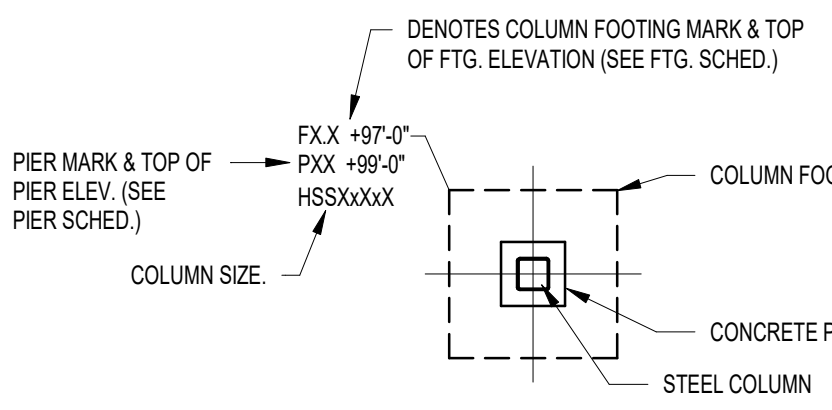
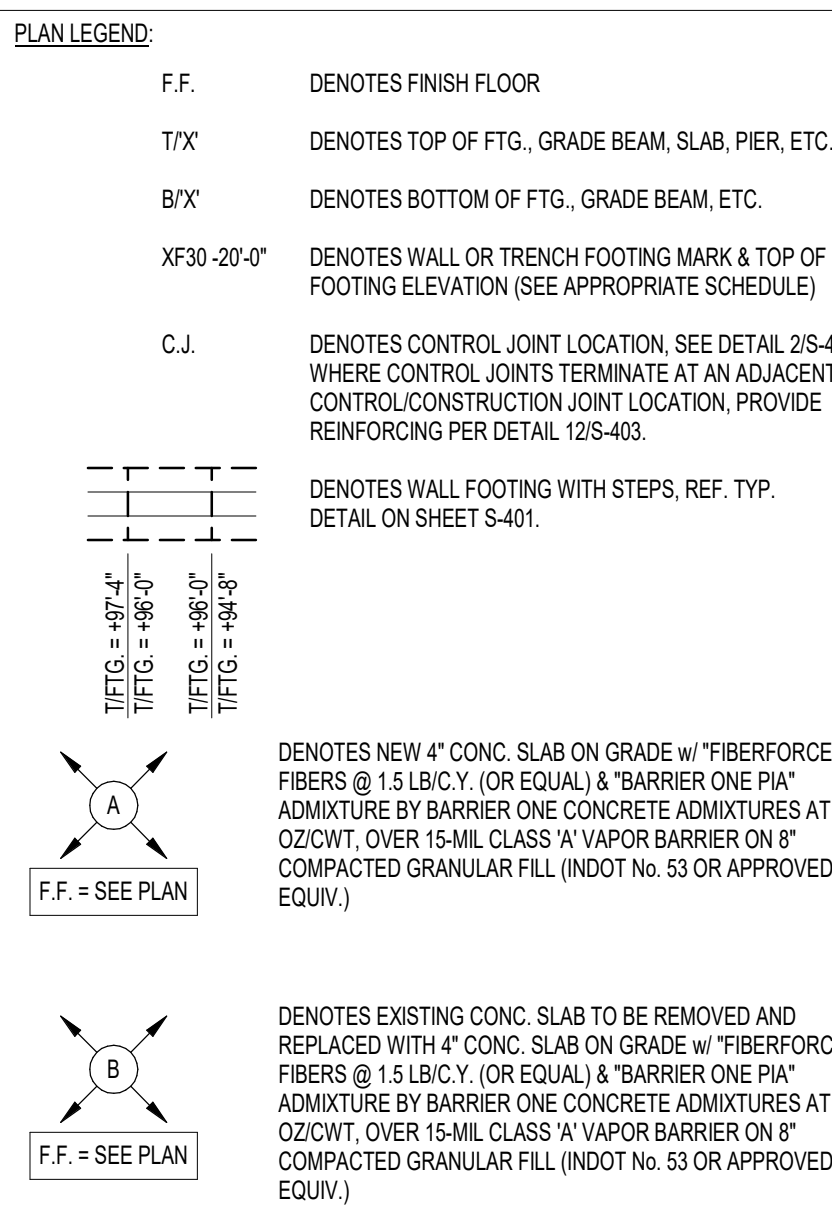
DRAWING  
FOUNDATION PLAN - AREA D

PROJECT  
Porter Lakes Elementary School Addition, Renovations and Related Work

D S-202

**FOUNDATION PLAN NOTES**

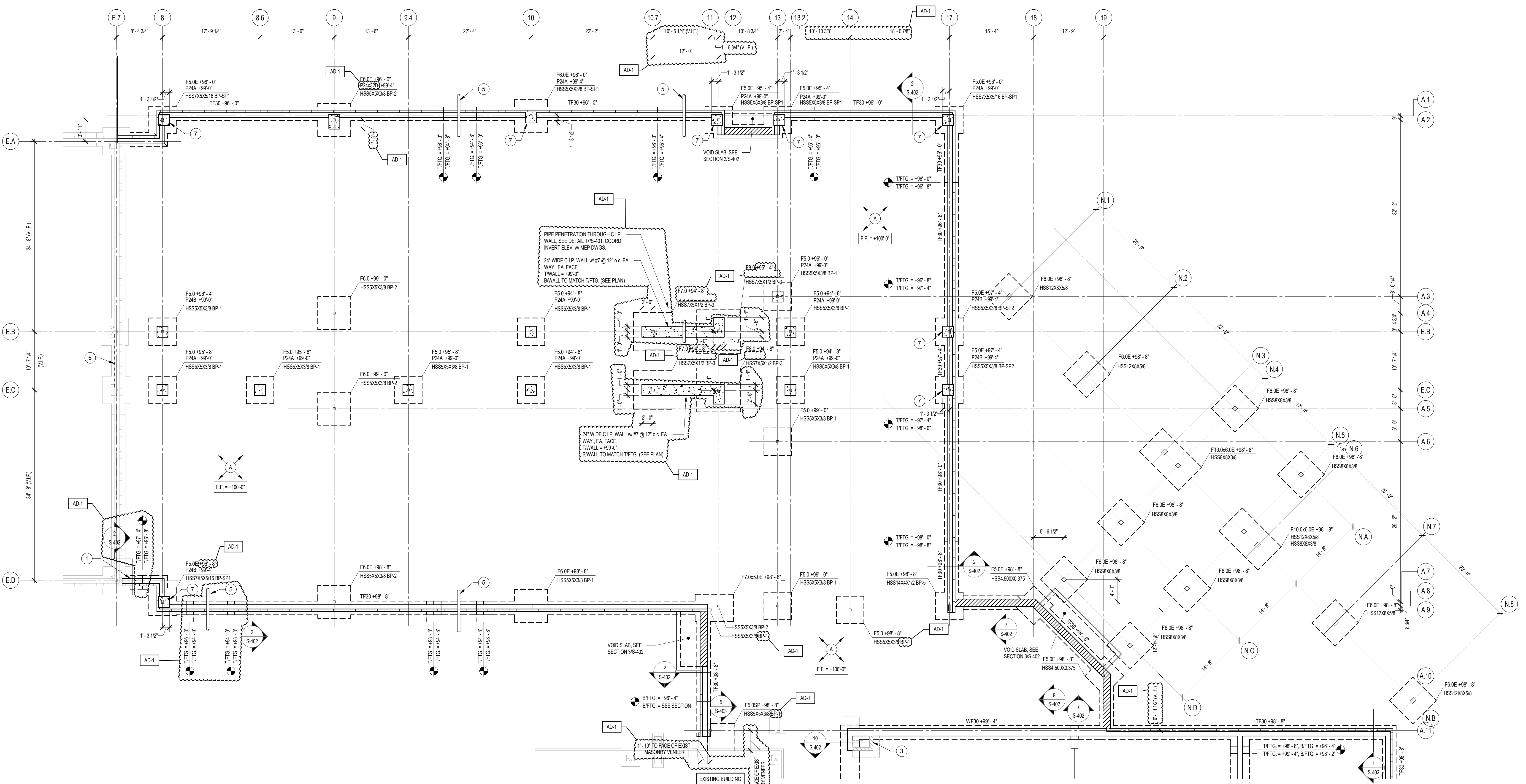
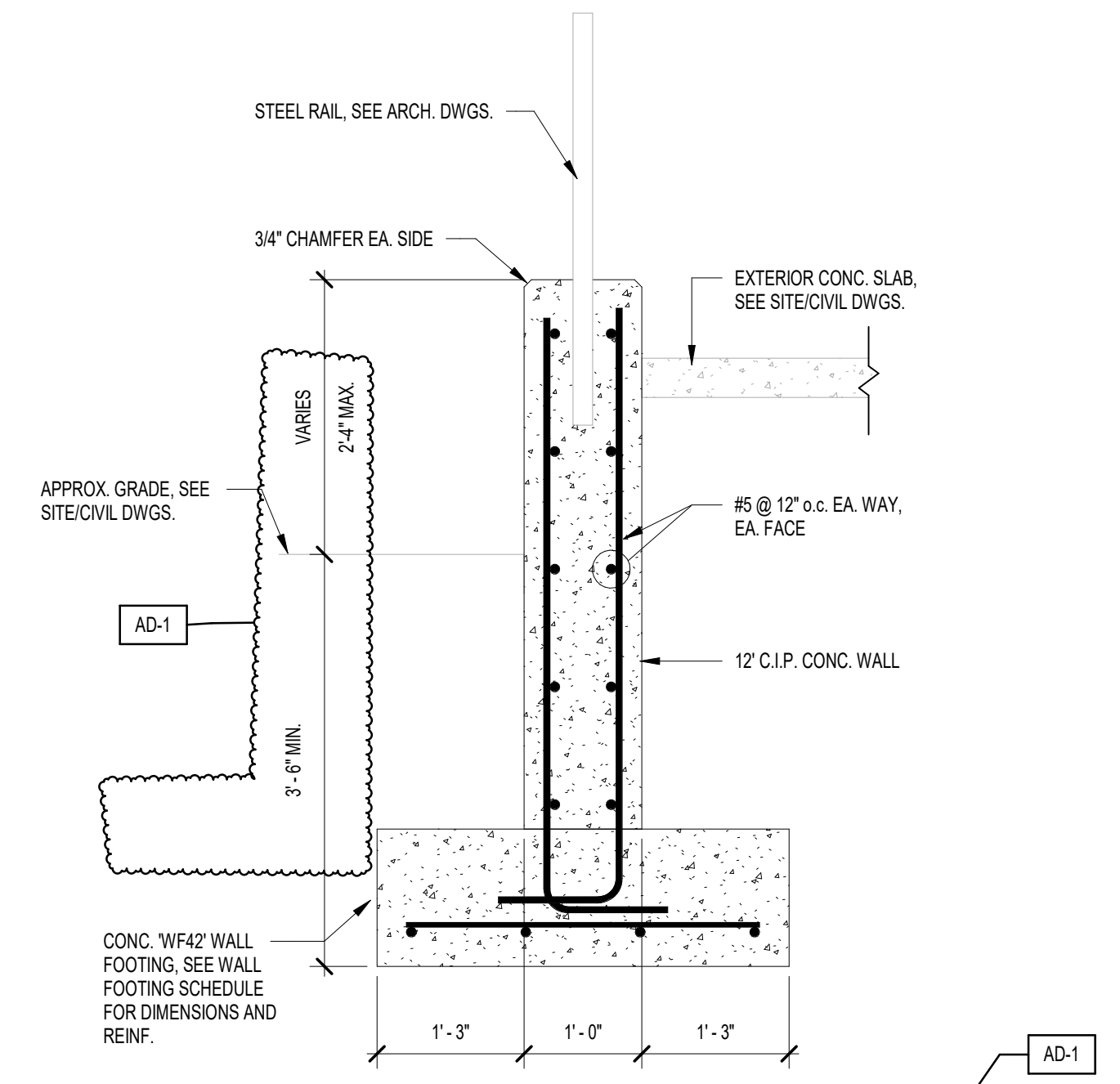
- REFER TO SHEETS S-401-402 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
- ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
- COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
- ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION +100'-0". REFER TO THE CIVIL DRAWINGS FOR EXACT I.S.S. ELEVATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- REFER TO SHEET S-401 FOR TYPICAL FOUNDATION DETAILS.
- NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEAVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) AND CONDUITS SHOWN ON THE PLUMBING/ELECTRICAL DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S-401.
- ANY SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
- COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REIN. NOTED ON PLANS & SECTIONS.
- GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
- COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOILS TO A MINIMUM BEARING CAPACITY OF 2,500 PSF. WHERE THESE CAPACITIES CANNOT BE ACHIEVED REFER TO THE TYPICAL OVEREXCAVATION DETAILS ON SHEET S-401, AND COORDINATE WITH THE GEOTECHNICAL ENGINEER AND/OR 3RD PARTY TESTING AGENCY.
- PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE THE TYPICAL DETAIL ON SHEET S-401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
- PROVIDE CONTROL JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAIL ON SHEET S-401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN FILM FINISH FLOORINGS SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.



**FOUNDATION PLAN KEYED NOTES**

- LOWER BOTTOM OF NEW WALL OR TRENCH FOOTING TO MATCH BOTTOM OF EXIST. WALL AND/OR COLUMN FOOTING AT THIS LOCATION.
- DENOTES MECHANICAL EQUIPMENT PAD. COORD. EXACT MECHANICAL PAD SIZE AND LOCATION w/ THE APPROPRIATE CONTRACTOR. REFER TO SECTION 4S-403 FOR EQUIPMENT PAD REINFORCEMENT AND PERIMETER DETAILING.
- DENOTES INTERIOR CONC. BLOCK WALL w/ #4 @ 48" o.c. VERT. (GROUT CORES SOLID AT BARS) AND HORIZ. REIN. AT 16" o.c. ON THICKENED SLAB PER TYPICAL DETAIL ON SHEET S-401, TYP.
- CONCRETE STAIRS: REFER TO TYPICAL DETAIL ON S-401. COORDINATE GEOMETRY AND LOCATION w/ ARCH. DRAWINGS.
- DENOTES APPROX. LOCATION OF PIPE PENETRATION THROUGH FOUNDATION WALL. REFER TO PLUMBING AND SITE/CIVIL DRAWINGS FOR EXACT SIZE, LOCATION, AND INVERT ELEVATION. SEE DETAILS ON SHEET S-401 FOR STEPPED FOOTINGS, SLEEVES, ETC.
- DENOTES NEW TO EXIST. SLAB. REFER TO DETAIL 16S-401 FOR NEW REIN. EMBED AND SPACING INTO EXIST. CONC. SLAB.
- DENOTES OFFSET CONC. PIER AS NOTED DIMENSIONED ON PLAN. REFER TO BASEPLATE SCHEDULE ON SHEET S-402 FOR SPECIALTY BASEPLATE TO BE PROVIDED AT THIS LOCATION.

**2 RETAINING WALL SECTION - AT PLAYGROUND**  
3/4" = 1'-0"



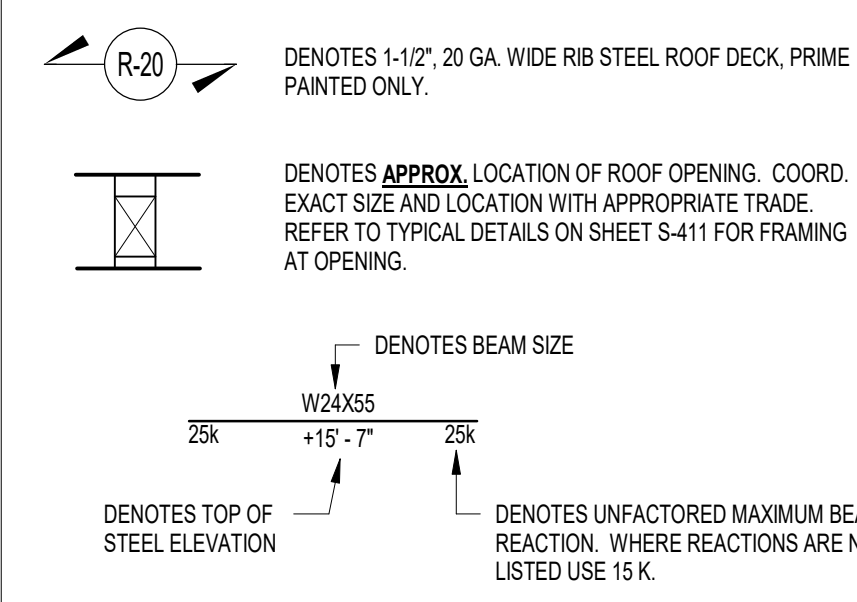
**1 FOUNDATION PLAN - AREA D**  
1/8" = 1'-0"

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ROOF FRAMING PLAN NOTES

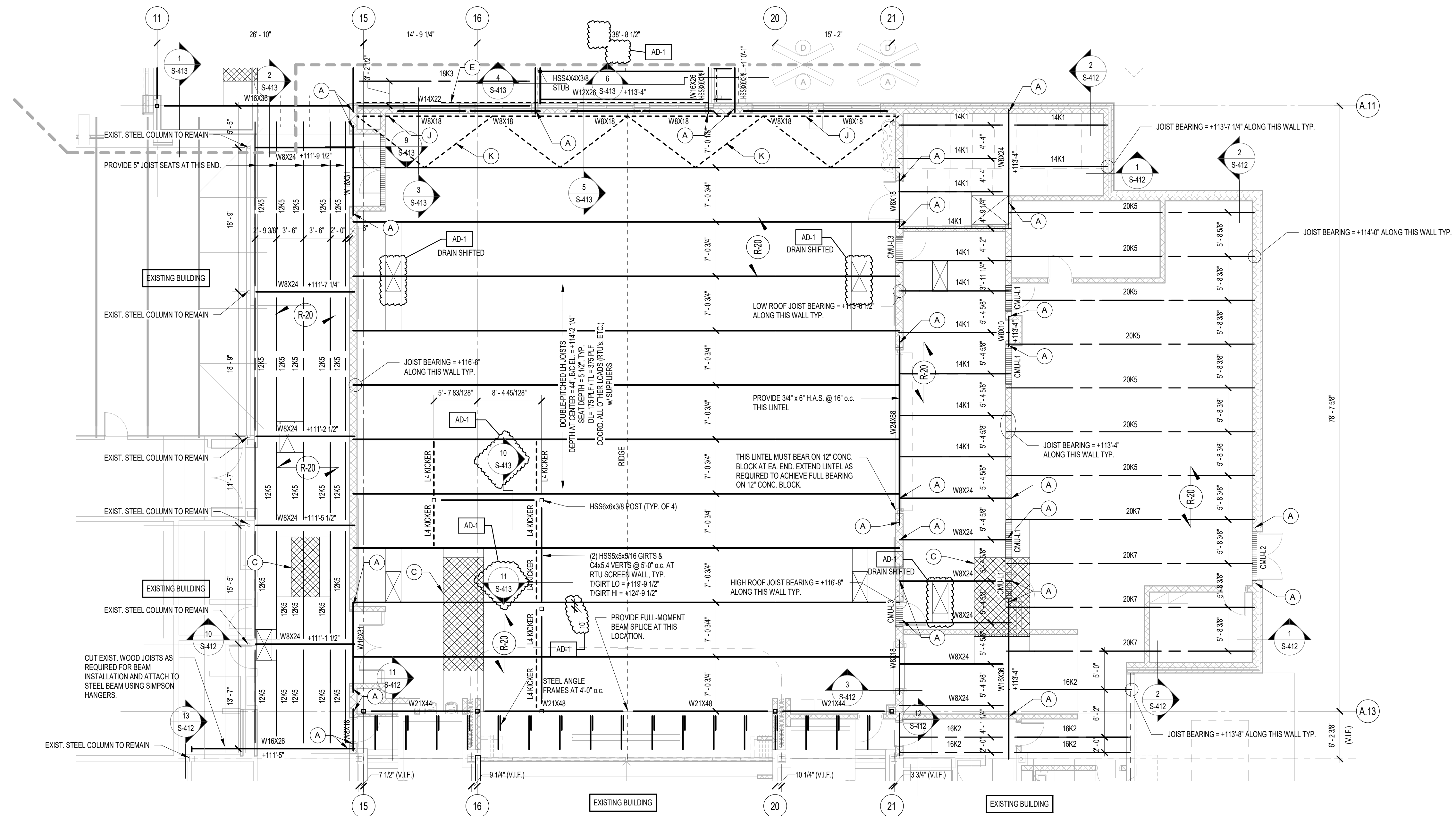
- A REFER TO SHEET S-201 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
B. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS.
C. ALL ELEVATIONS LISTED ARE REFERENCED FROM THE GROUND FLOOR FINISH FLOOR ELEVATION 100'-0" OF NEW CONSTRUCTION.
D. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
E. COORDINATE SIZE AND LOCATION OF ANY ROOF OPENINGS W/ APPROPRIATE TRADE(S).
F. JOIST BRIDGING LOCATIONS AND SIZES ARE TO BE DETERMINED BY SUPPLIER PER S.I. STANDARDS.
G. BEAR BEAM ON TOP OF COLUMN AT THIS LOCATION. DO NOT PROJECT BEAM BEYOND OUTSIDE FACE OF STUD AT EXTERIOR WALL.
H. DASHED LINE INDICATES STEEL CHANNEL LAID IN DECK FLUTES FOR ROOF TOP CURB SUPPORT.
I. FOR ESTIMATING PURPOSES ASSUME AN ADDITIONAL 5% OF OVERALL STEEL TONNAGE TO ACCOUNT FOR LATERAL BRACING.
J. WHERE EXTERIOR BEAMS PENETRATE THE EXTERIOR INSULATION BARRIER, SPRAY BEAMS W/ "THERMAC" AEROGEL THERMAL INSULATING COATING FOR 3'-0" ON EXTERIOR SIDE AND 3'-0" ON INTERIOR SIDE.

PLAN LEGEND



ROOF FRAMING KEYED NOTES

- A DENOTES NEW STEEL BEAM OR LINTEL BEARING ON NEW BLOCK LOCATION.
B PROVIDE HSS2x1 5x10 OUTROGERS WITHIN DECK FLUTES AT 2'-0" o.c. MAX. POSITION UNDER METAL ROOF DECK AND WELD TO BEAM AND JOIST.
C APPROXIMATE LOCATION OF ROOF TOP UNIT. PROVIDE CHANNEL BELOW UNIT PER TYPICAL DETAIL ON SHEET S-411.
D PROVIDE HSS2x2 5x16 (L.S.V) ON TOP FLANGE OF BEAM FOR DECK SUPPORT.
E PROVIDE CONT. L4x8x1/2 FOR HIGH BRICK SUPPORT.
F STEEL JOISTS ALONG THIS CORRIDOR ARE TO HAVE 5' JOIST SEATS, TYP. U.N.O.
G DENOTES NEW STEEL LINTEL BEARING ON EXIST. BLOCK.
H DENOTES CHEVRON OR DIAGONAL STEEL BRACE.
I L7x4x3/8 CONT.
J L4x4x3/8 DIAGONAL BRACING.
K L4x4x3/8 DIAGONAL BRACING.
L DENOTES W8x28 LIFTING BEAM OVER SURGE TANK AND PUMP PIT.
M DASHED LINE DENOTES C6x13 SUPPORTING MASONRY VENEER.
N DASHED LINE DENOTES APPROXIMATE EXTENTS OF VESTIBULE OVERHANG.
P DASHED LINE DENOTES MCBx15.1 SUPPORTING MASONRY VENEER.
R CONTINUOUS HSS6x3x8 FOR STOREFRONT SUPPORT.
S DESIGN JOIST FOR 1,500 LBS. POINT LOAD AT BRICK BEARING.



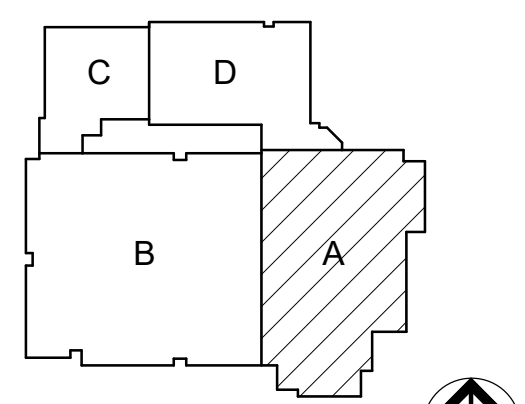
1 ROOF FRAMING PLAN - AREA A
1/8" = 1'-0"



GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT:
Porter Lakes Elementary School Addition, Renovations and Related Work

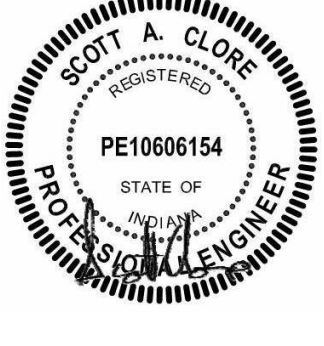
FOR:
Porter Township
208 S 725 W, Hebron, IN 46241



KEY PLAN NORTH

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PROJECT 24-142
DATE March 5, 2025
COORDINATED BY NHF
DRAWN BY NHF
CHECKED BY SAC



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REVISIONS
MARK DATE ISSUED FOR

Table with 3 columns: MARK, DATE, ISSUED FOR. Row 1: AD-1, 03.14.2025, ADDENDUM 1

DRAWING
ROOF FRAMING PLAN - AREA A

PROJECT
Porter Lakes Elementary School Addition, Renovations and Related Work
GIBRALTAR DESIGN SHEET

A S-203

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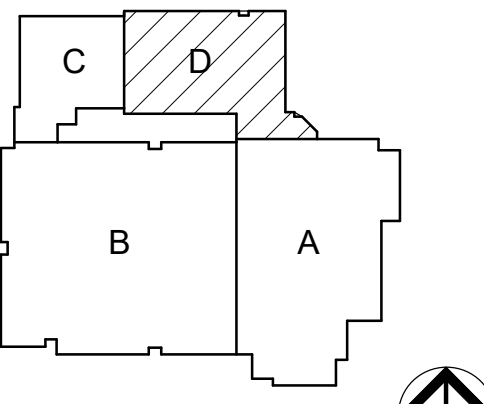
**GIBALTAR**  
DESIGN  
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT:

**Porter Lakes Elementary School Addition, Renovations and Related Work**

FOR:  
Porter Township

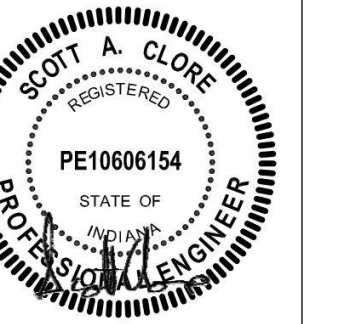
208 S 725 W, Hebron, IN 46341



KEY PLAN  
NORTH

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Phone 317.580.5777 Fax 317.580.5778

PROJECT: 24-142  
DATE: March 5, 2025  
COORDINATED BY: NHF  
DRAWN BY: NHF  
CHECKED BY: SAC



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**REVISIONS**

MARK	DATE	ISSUED FOR
AD-1	03.14.2025	ADDENDUM 1

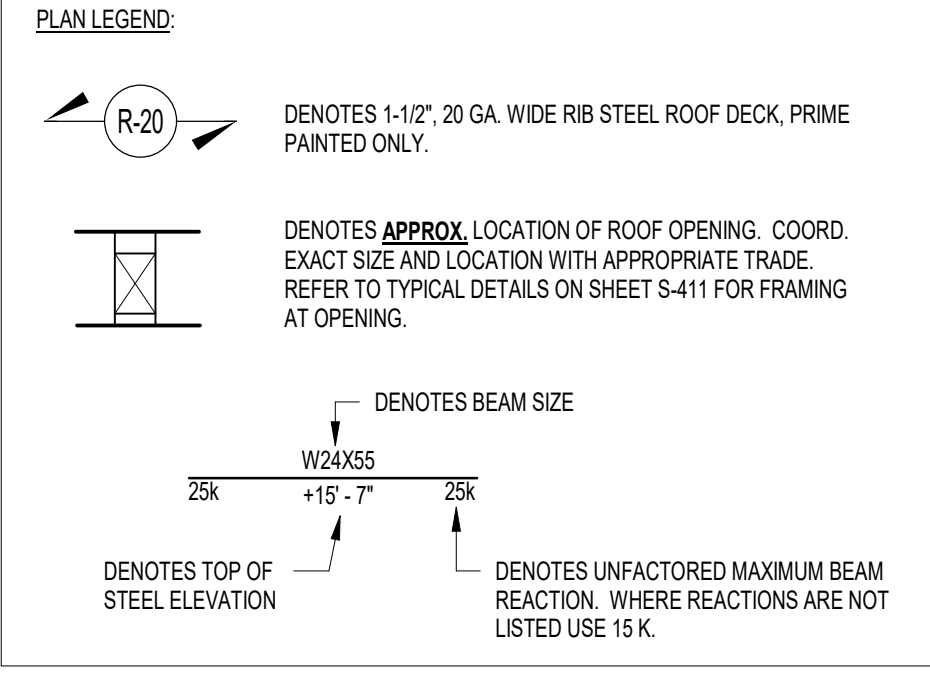
DRAWING: ROOF FRAMING PLAN - AREA D

PROJECT: Porter Lakes Elementary School Addition, Renovations and Related Work

SHEET: D S-204

**ROOF FRAMING PLAN NOTES**

- A. REFER TO SHEET S-201 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
- B. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
- C. ALL ELEVATIONS LISTED ARE REFERENCED FROM THE GROUND FLOOR FINISH FLOOR ELEVATION 100'-0" OF NEW CONSTRUCTION. REFER TO THE CIVIL DRAWINGS FOR EXACT U.S.G.S. ELEVATION.
- D. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- E. COORDINATE SIZE AND LOCATION OF ANY ROOF OPENINGS (APPROPRIATE TRADES).
- F. JOIST BRIDGING LOCATIONS AND SIZES ARE TO BE DETERMINED BY SUPPLIER PER SJI STANDARDS.
- G. BEAR BEAM ON TOP OF COLUMN AT THIS LOCATION. DO NOT PROJECT BEAM BEYOND OUTSIDE FACE OF STUD AT EXTERIOR WALL.
- H. DASHED LINE INDICATES STEEL CHANNEL LAID IN DECK FLUTES FOR ROOF TOP CURB SUPPORT. REFER TO SECTION ON SHEET S-411 FOR ADDITIONAL INFORMATION.
- I. FOR ESTIMATING PURPOSES ASSUME AN ADDITIONAL 5% OF OVERALL STEEL TONNAGE TO ACCOUNT FOR LATERAL BRACING.
- J. WHERE EXTERIOR BEAMS PENETRATE THE EXTERIOR INSULATION BARRIER, SPRAY BEAMS W/ "THERMOC" AEROGEL THERMAL INSULATING COATING FOR 3'-0" ON EXTERIOR SIDE AND 3'-0" ON INTERIOR SIDE.

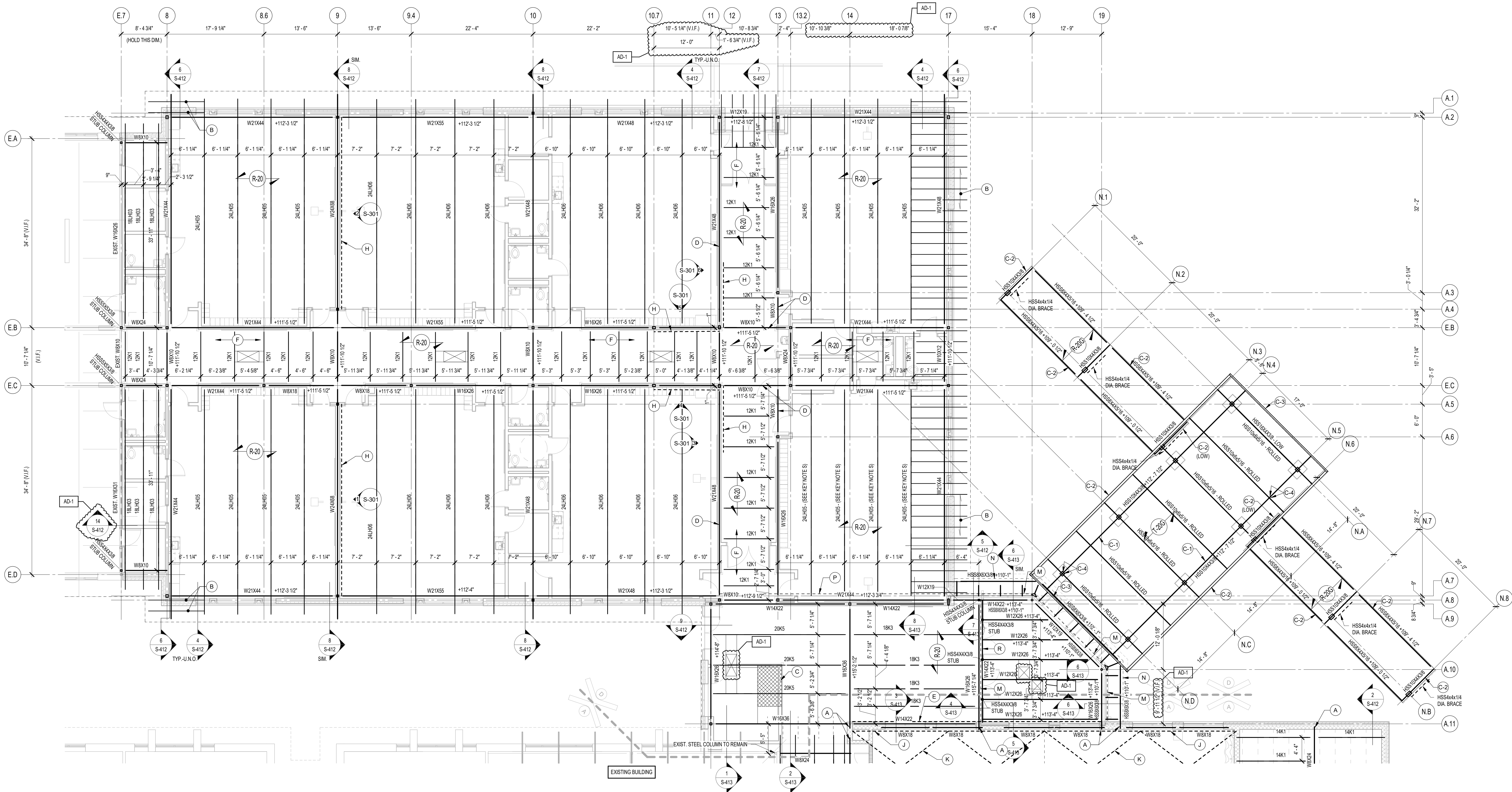


**ROOF FRAMING KEYED NOTES**

- A. DENOTES NEW STEEL BEAM OR LINTEL BEARING ON NEW BLOCK LOCATION. REFER TO DETAIL 11S-104 FOR LINTEL BEARING REQUIREMENTS. AT OPENINGS, COORD. EXACT LINTEL ELEV. & EXTENTS W/ ARCH. DWGS. PROVIDE 3/8" x (NOM. WALL WIDTH - 1") PLATE CONT. WELDED TO LINTEL BOTTOM FLANGE. AT EXTERIOR OPENINGS WITH MASONRY VENEER, PROVIDE LOOSE LINTEL PER LINTEL SCHEDULE ON SHEET S-402.
- B. PROVIDE HSS2X15X10 OUTRIGERS WITHIN DECK FLUTES AT 2'-0" o.c. MAX. POSITION UNDER METAL ROOF DECK AND WELD TO BEAM AND JOIST.
- C. APPROXIMATE LOCATION OF ROOF TOP UNIT. PROVIDE CHANNEL BELOW UNIT PER TYPICAL DETAIL ON SHEET S-411. COORDINATE EXACT SIZE AND LOCATION WITH THE APPROPRIATE TRADE.
- D. PROVIDE HSS3X3X16 (L/SV) ON TOP FLANGE OF BEAM FOR DECK SUPPORT. BREAK AS REQUIRED AT JOIST SEATS. SEE DETAIL 10S-411.
- E. PROVIDE CONT. 14x12 FOR HIGH BRICK SUPPORT. ANCHOR TO 12" BLOCK W/ 5/8" DIA. HLT 1/2" W/ WIK-HUS-EZ SCREW ANCHORS W/ 7" EMBED. SET INTO GROUDED BLOCK CELLS, SPACED AT 24" o.c. MAX.
- F. STEEL JOISTS ALONG THIS CORRIDOR ARE TO HAVE 5' JOIST SEATS, TYP. U.N.O.
- G. DENOTES NEW STEEL LINTEL BEARING ON EXIST. BLOCK. REFER TO DETAILS-404 FOR LINTEL BEARING REQUIREMENTS. COORD. EXACT LINTEL ELEV. & EXTENTS W/ ARCH. DWGS.
- H. DENOTES CHEVRON OR DIAGONAL STEEL BRACE. SEE ELEVATION ON SHEET S-301.
- J. L7x4x3/8 CONT.
- K. L4x4x3/8 DIAGONAL BRACING, ALIGNED TO JOIST BRIDGING LOCATIONS. COORDINATE WITH JOIST SUPPLIER.
- L. DENOTES W8X26 LIFTING BEAM OVER SURGE TANK AND PUMP PIT. COORD. EXACT LOCATION AND ELEVATION OF BEAMS W/ THE APPROPRIATE TRADE.
- M. DASHED LINE DENOTES C6x13 SUPPORTING MASONRY VENEER.
- N. DASHED LINE DENOTES APPROXIMATE EXTENTS OF VESTIBULE OVERHANG. REFER TO SECTIONS FOR ADDITIONAL INFORMATION.
- P. DASHED LINE DENOTES M6x15.1 SUPPORTING MASONRY VENEER.
- R. CONTINUOUS HSS6X3X8 FOR STOREFRONT SUPPORT. COORDINATE ELEVATION. REFER TO SECTION 4S-413 FOR ADDITIONAL INFORMATION.
- S. DESIGN JOIST FOR 1,500 LBS. POINT LOAD AT BRICK BEARING, REF. SECTION 4S-413.

**CANOPY FRAMING GENERAL NOTES**

- A. REFER TO ROOF FRAMING PLAN NOTES THIS SHEET FOR ADDITIONAL APPLICABLE NOTES.
  - B. ALL EXPOSED CANOPY STEEL TO BE CLASSIFIED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL, CATEGORY 3.
  - C. ALL CANOPY STEEL TO BE PAINTED WITH A HIGH PERFORMANCE ZINC-RICH PRIMER AND FINISHED PAINT SYSTEM. REFER TO THE SPECIFICATIONS.
- PLAN LEGEND**
- R-200 DENOTES 1-1/2", 20 GA. WIDE RIB STEEL ROOF DECK, GALVANIZED AND PRIME PAINTED.
  - T-200 DENOTES 2" 20 GA. EPIC METAL S TORSION ROLLED ROOF DECK, GALVANIZED AND PRIME PAINTED.
- CANOPY FRAMING KEYED NOTES**
- C-1 PROVIDE CONTINUOUS 5/8" THICK BENT PLATE ON TOP OF TUBE FOR DECK SUPPORT.
  - C-2 PROVIDE CONT. L5x3 1/2x5/16 (LLV) CONTINUOUS EDGE ANGLE.
  - C-3 PROVIDE ROLLED HSS3X3X8 EDGE TUBE, W/ 5/16" x 5" WIDE BOTTOM PL. FOR DECK END SUPPORT.
  - C-4 TYP. TUBE-TO-TUBE CONNECTION TO BE ALL-AROUND WELDS.



**1 ROOF FRAMING PLAN - AREA D**  
1/8" = 1'-0"

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**GIBRALTAR**  
DESIGN  
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

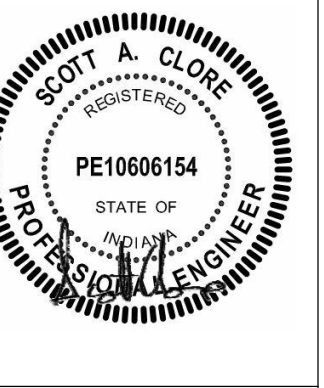
PROJECT:  
**Porter Lakes  
Elementary  
School Addition,  
Renovations and  
Related Work**

FOR:  
Porter Township

208 S 725 W, Hebron, IN 46341

**GIBRALTAR DESIGN**  
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Phone 317.580.5777 Fax 317.580.5778

PROJECT  
24-142  
DATE  
March 5, 2025  
COORDINATED BY  
NHF  
DRAWN BY  
NHF  
CHECKED BY  
SAC



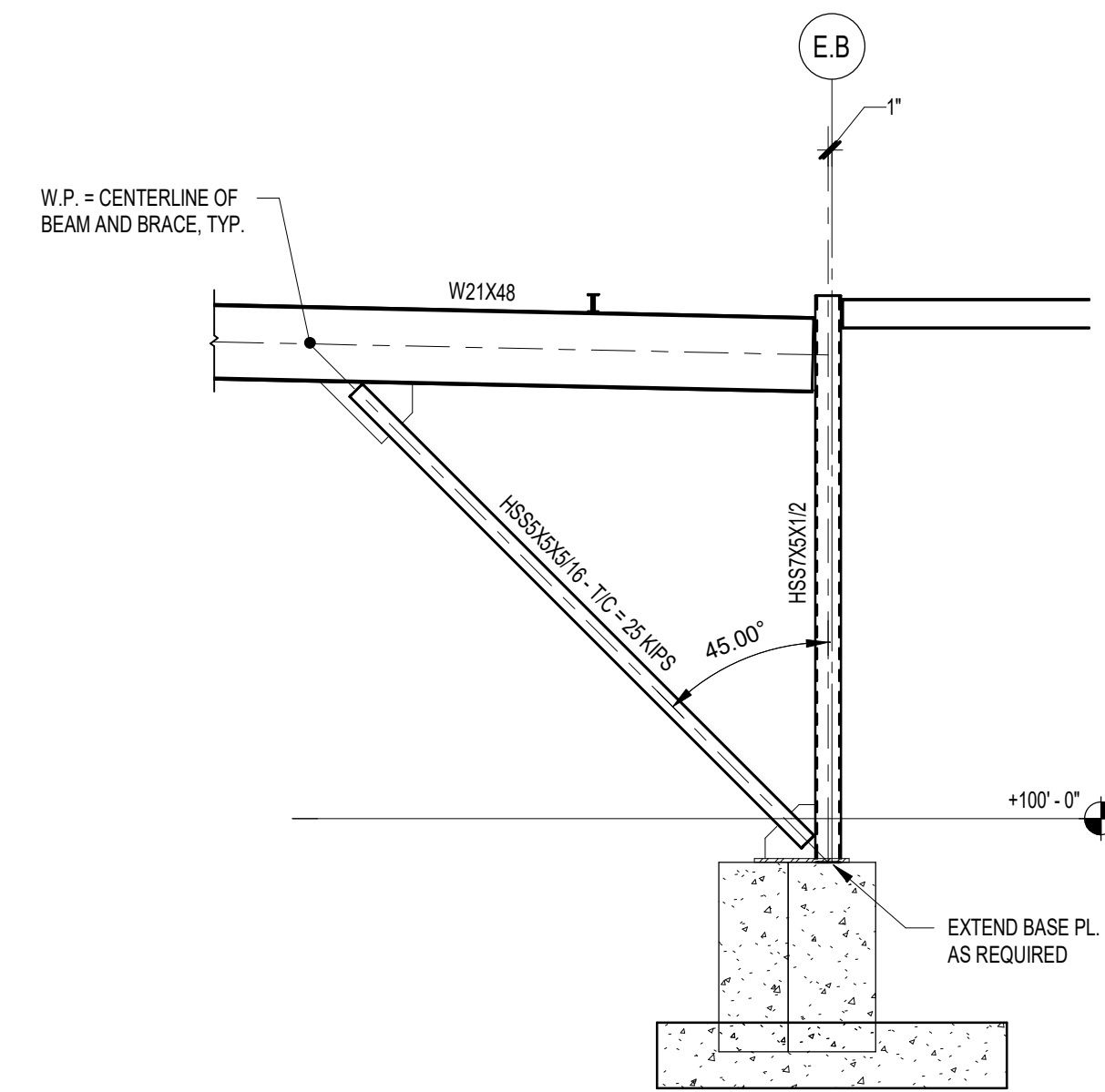
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MARK	DATE	ISSUED FOR
AD-1	03.14.2025	ADDENDUM 1

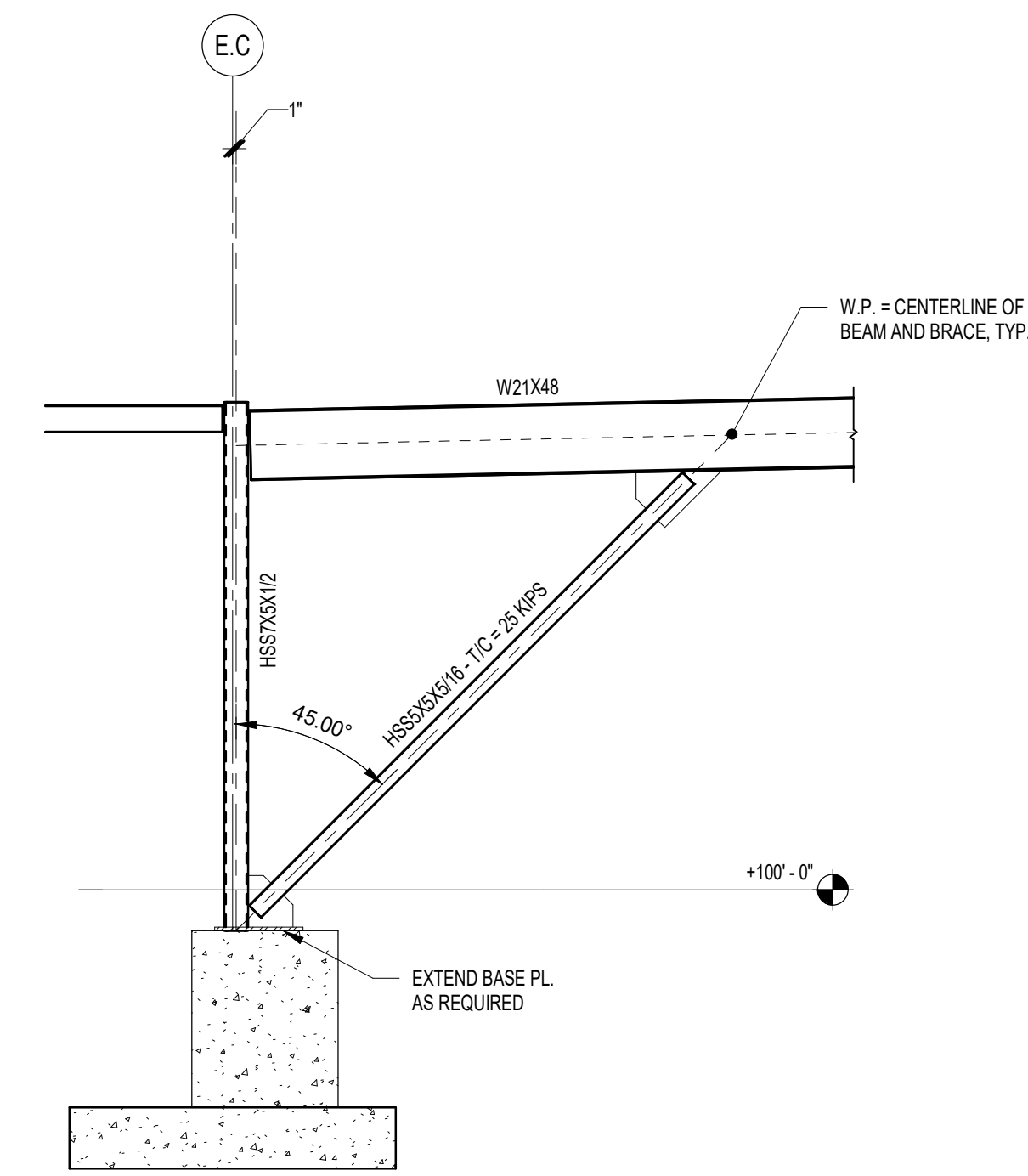
DRAWING  
**FRAMING ELEVATIONS**

PROJECT  
**Porter Lakes Elementary School  
Addition, Renovations and Related  
Work**

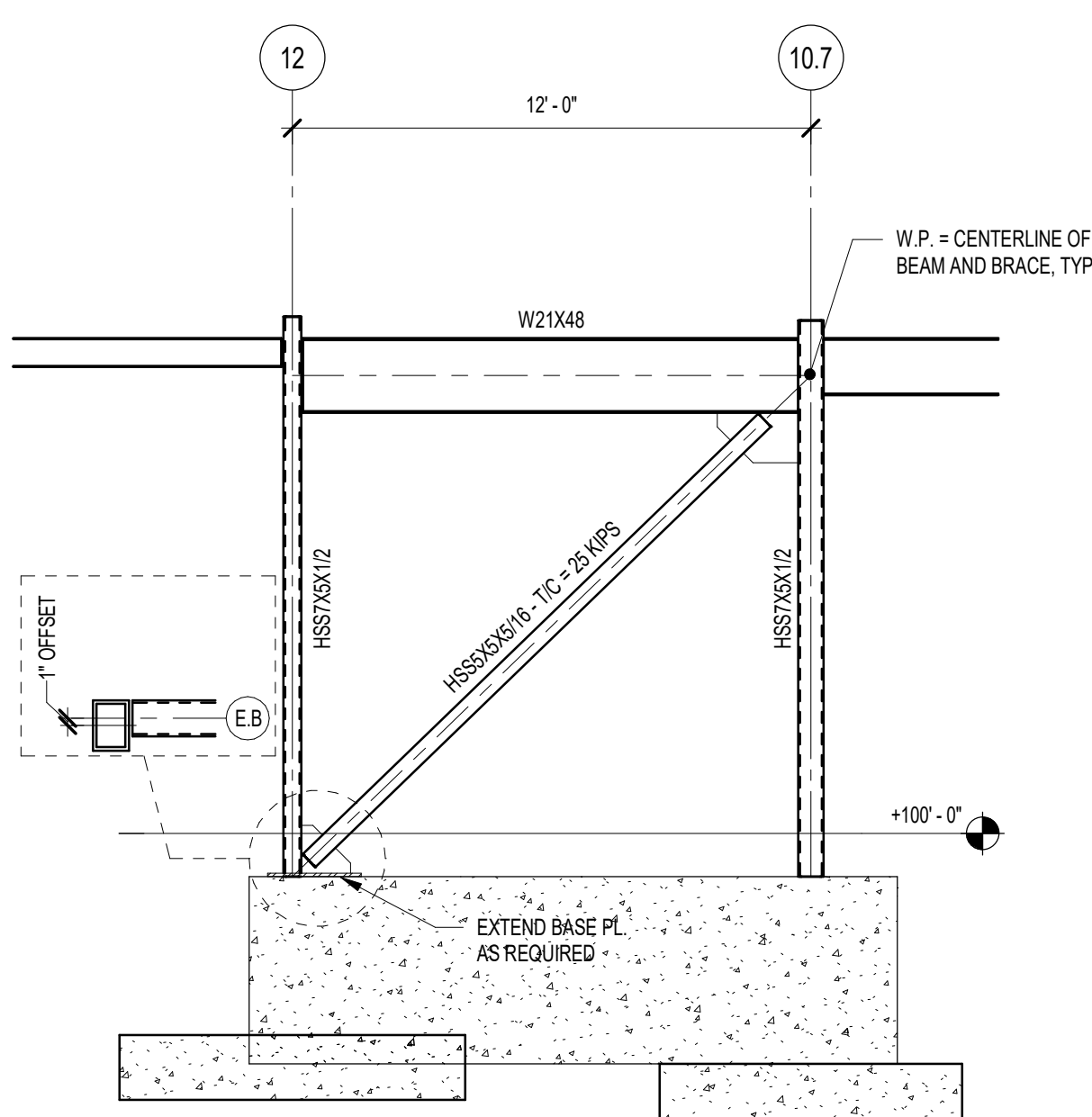
© GIBRALTAR DESIGN SHEET  
**S-301**



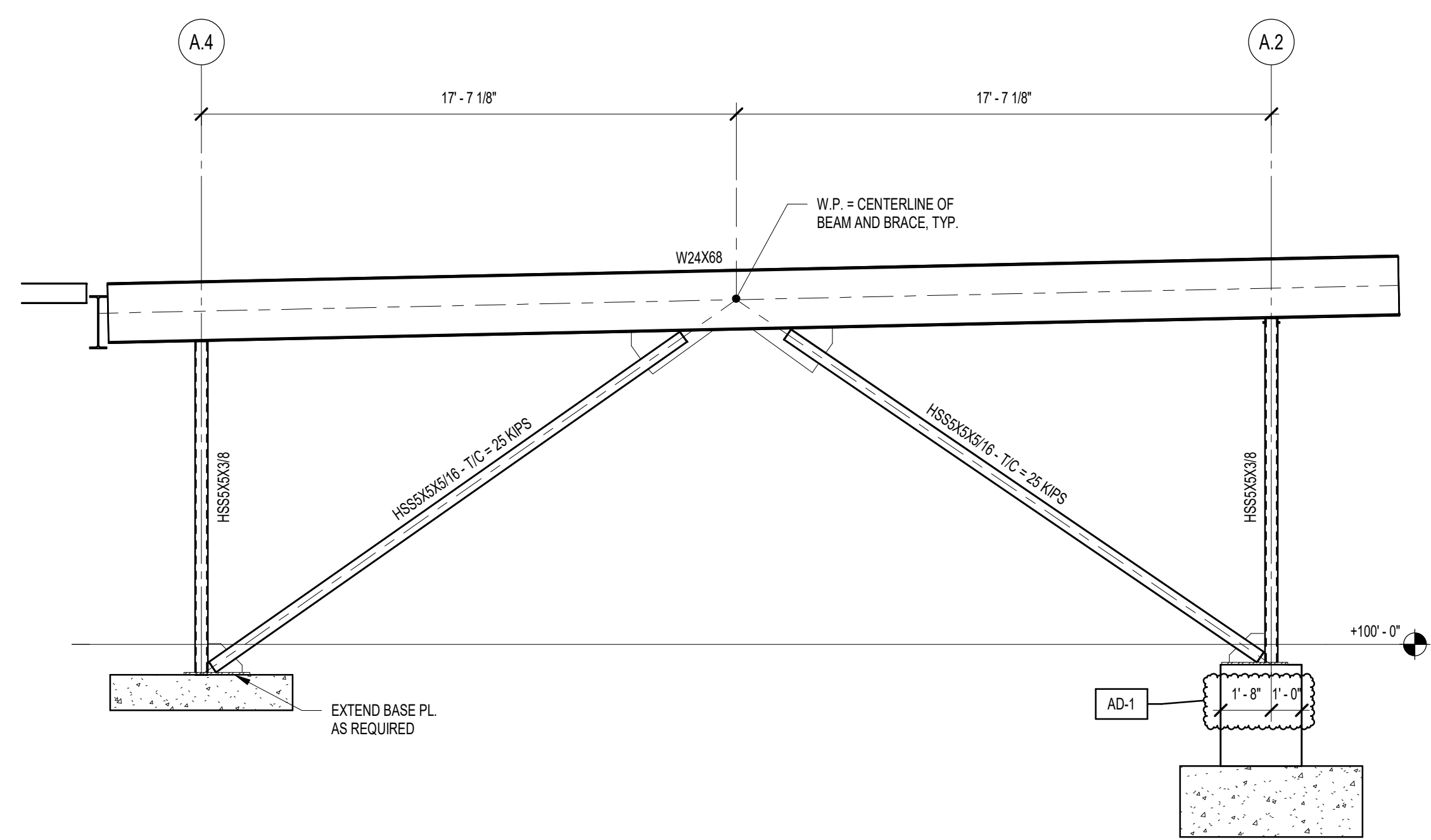
**6 BRACING ELEVATION - GRID 12**  
1/4" = 1'-0"



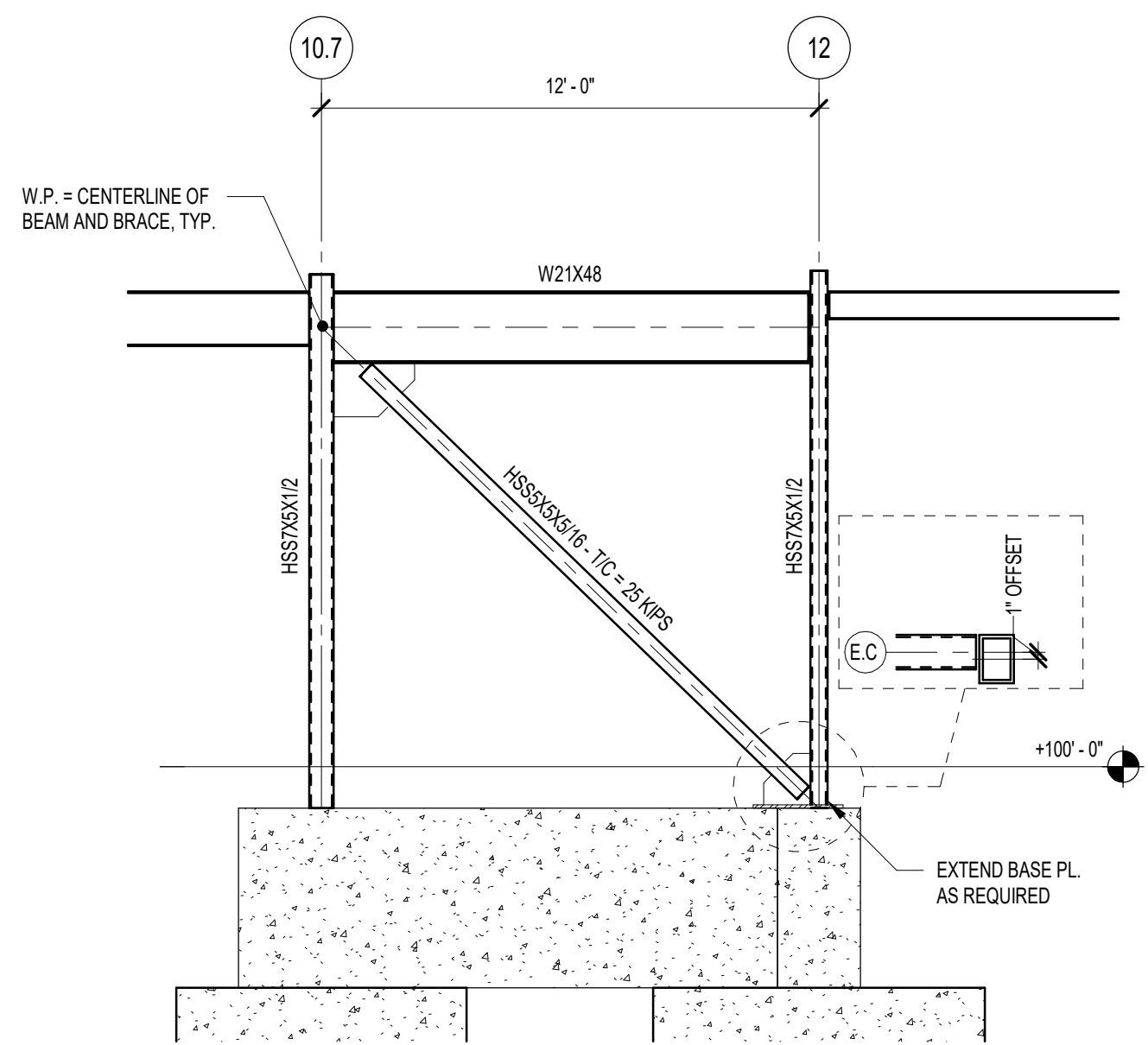
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1/4" = 1'-0"



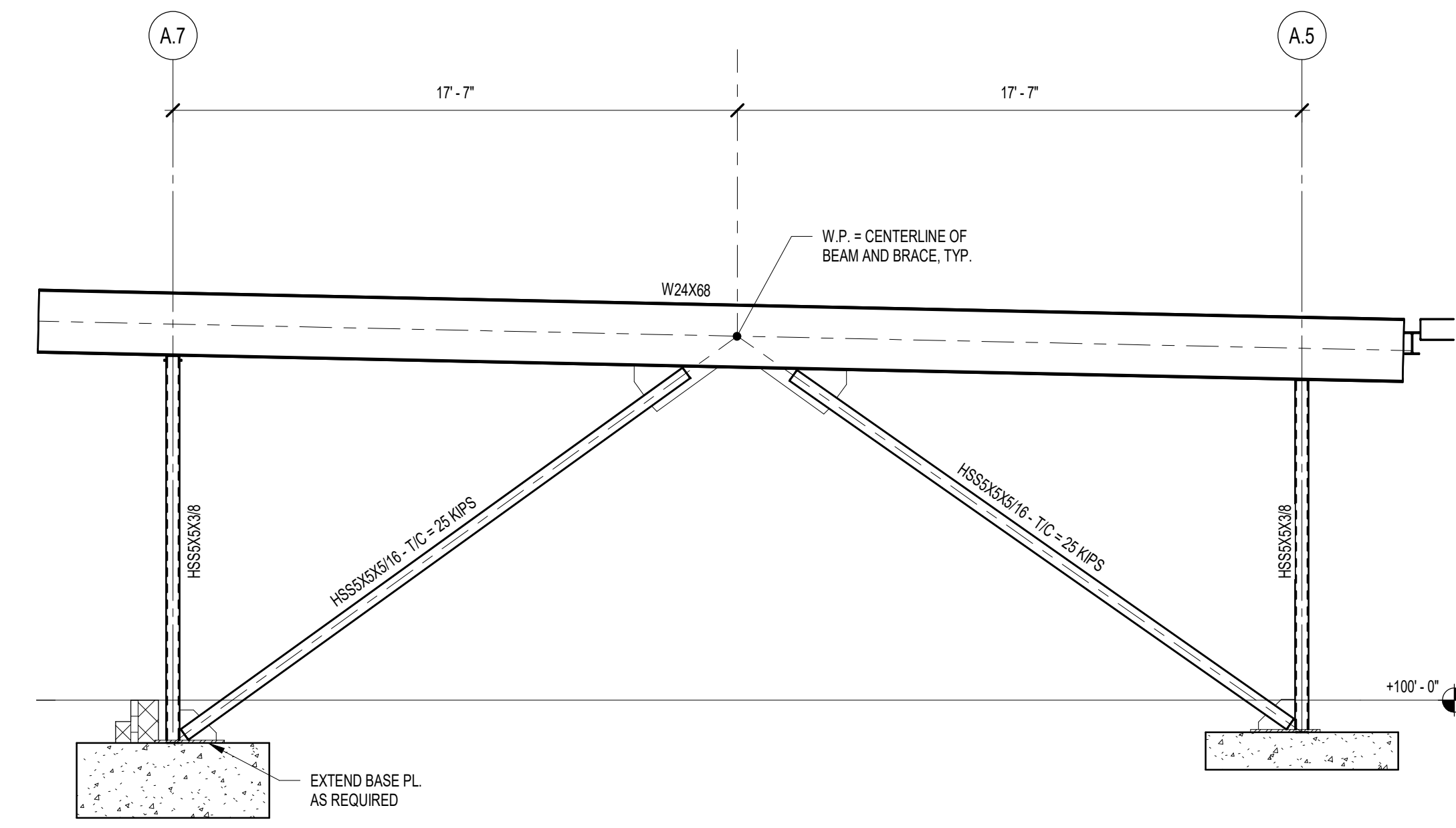
**5 BRACING ELEVATION - GRID E.B**  
1/4" = 1'-0"



**2 BRACING ELEVATION - GRID 9**  
1/4" = 1'-0"



**4 BRACING ELEVATION - GRID E.C**  
1/4" = 1'-0"



**1 BRACING ELEVATION - GRID 9**  
1/4" = 1'-0"

C:\Users\miller\Desktop\Revit\Files\2025\24-142\_PTSC\_Porter Lakes ES\_V25\_Structural\_miller.rvt 3/13/2025 4:48:08 PM





PROJECT:

**Porter Lakes  
Elementary  
School Addition,  
Renovations and  
Related Work**

FOR:  
Porter Township

208 S 725 W, Hebron, IN 46341

9102 N. Meridian St. Ste. 300  
Indianapolis, IN 46260  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

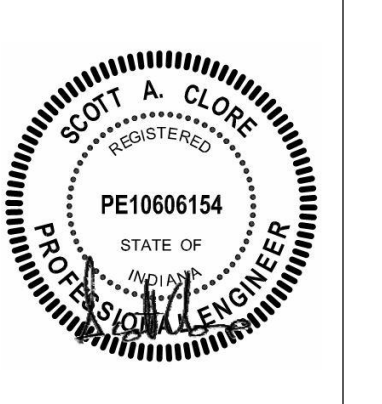
PROJECT  
24-142

DATE  
March 5, 2025

COORDINATED BY  
NHF

DRAWN BY  
NHF

CHECKED BY  
SAC



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REVISIONS

MARK DATE ISSUED FOR

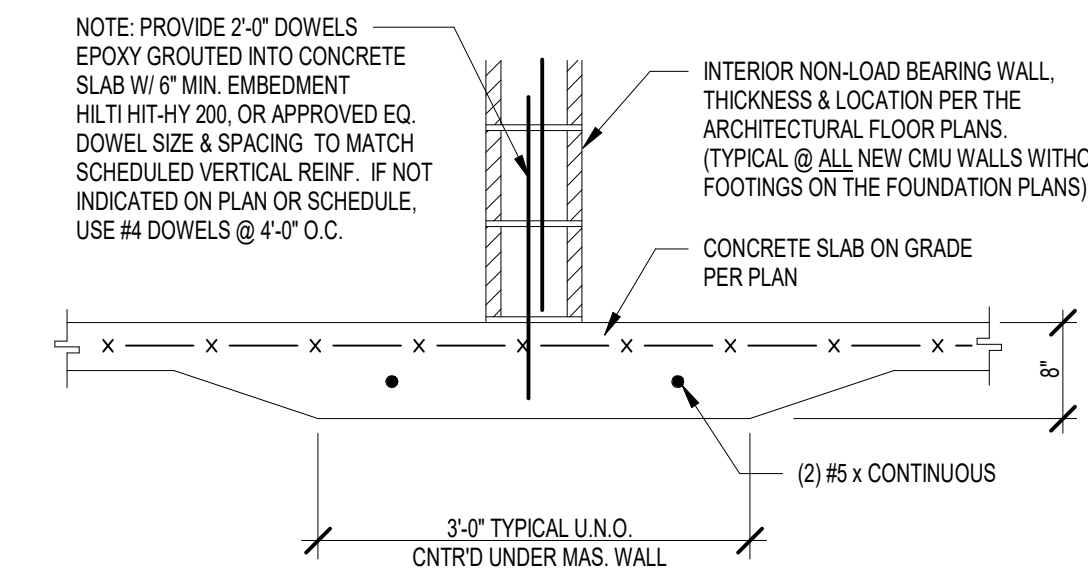
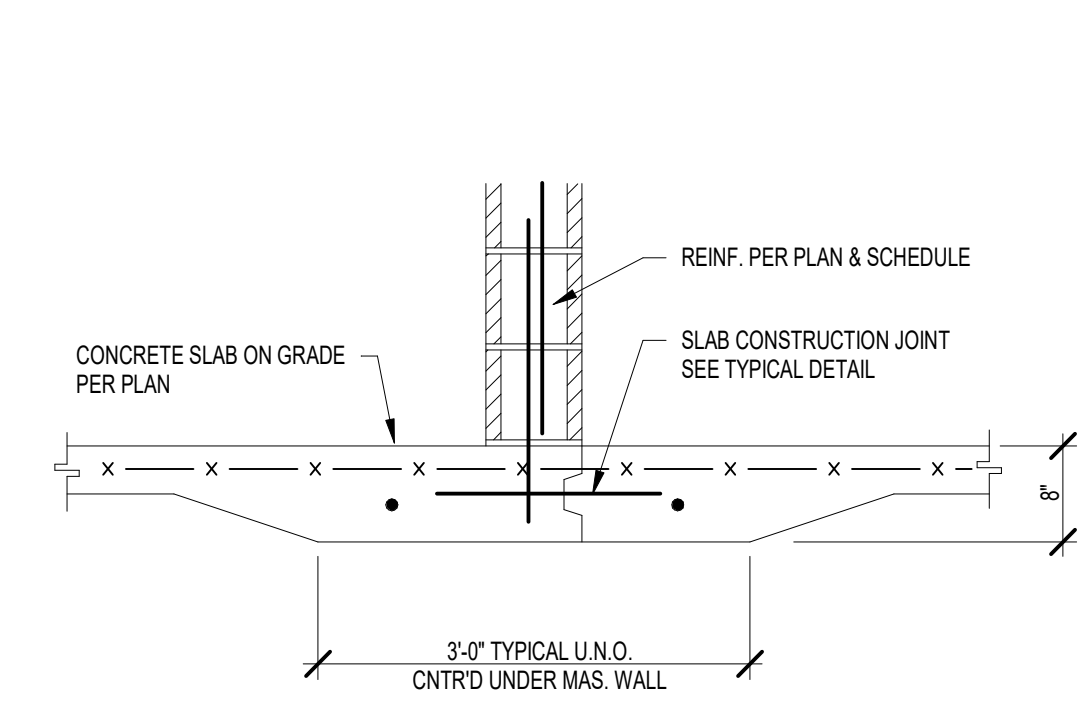
AD-1 03.14.2025 ADDENDUM 1

DRAWING  
TYPICAL FOUNDATION DETAILS

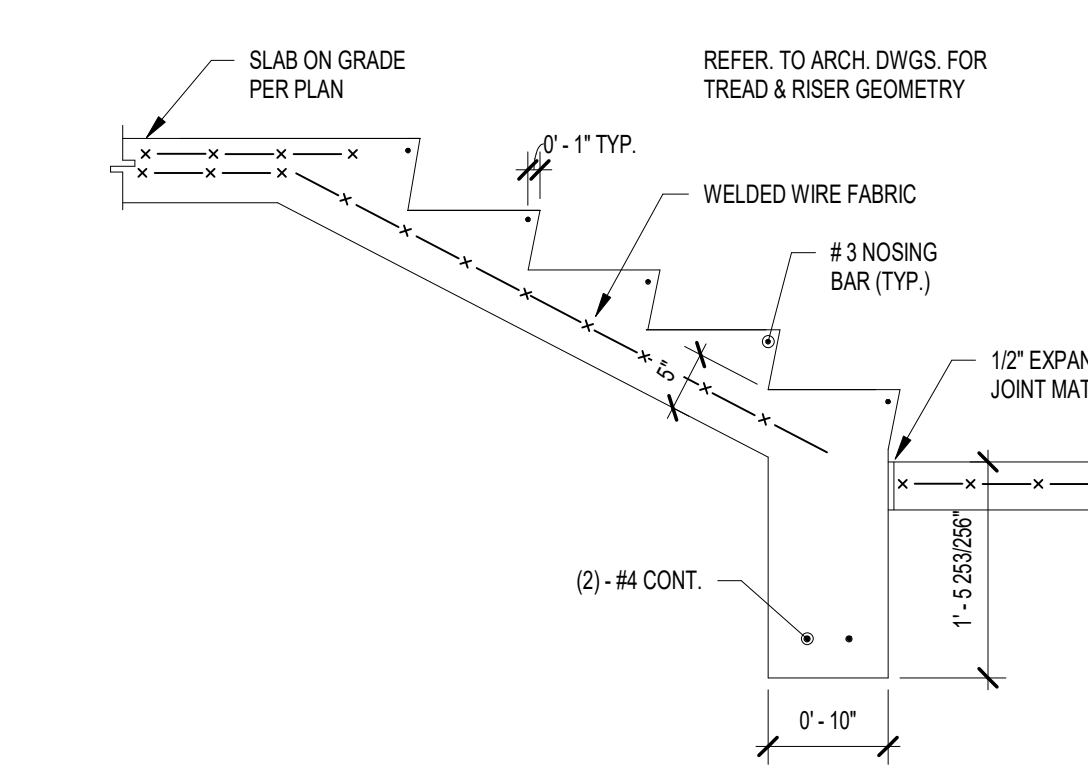
PROJECT  
Porter Lakes Elementary School  
Addition, Renovations and Related  
Work

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DESIGN SHEET

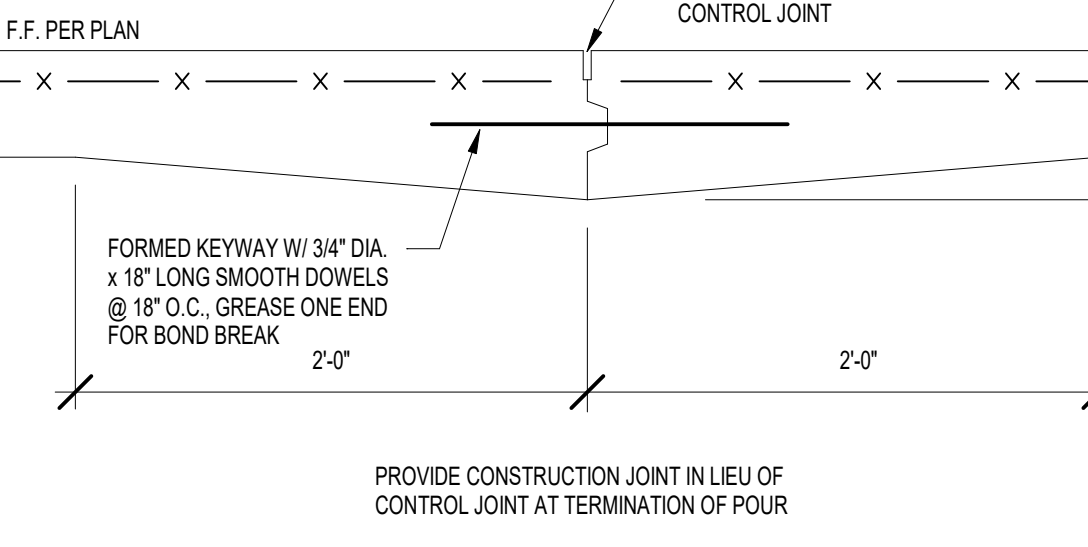
**S-401**



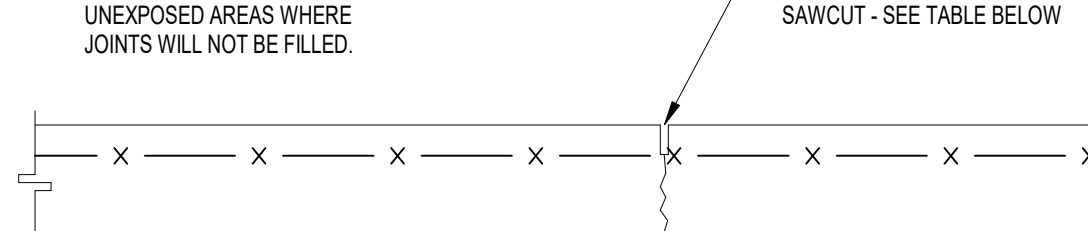
**5 THICKENED SLAB DETAILS**  
NOT TO SCALE



**4 TYPICAL CONCRETE STAIR DETAIL**  
NOT TO SCALE



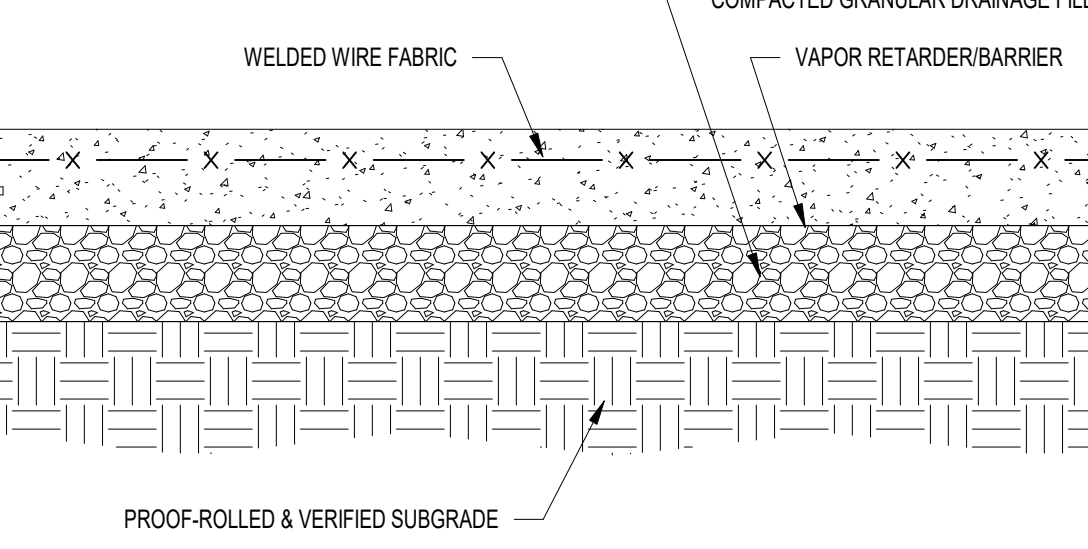
**3 SLAB CONSTRUCTION JOINT**  
NOT TO SCALE



CONTROL JOINTS SHALL BE SAWN NOT LATER THAN THE FOLLOWING TABLE OR 16 HOURS AFTER FINAL TROWELING (WHICHEVER IS LESS), WHERE TEMP EQUALS THE AMBIENT TEMPERATURE IN DEGREES FAHRENHEIT AT THE TIME OF FINAL TROWELING. SAWCUTTING SHALL BE SUSPENDED ONLY IF THE LARGE AGGREGATE IS DISLOADED OR LOOSENEED. ALTERNATE: USE PRE-FORMED JOINT FORMER.

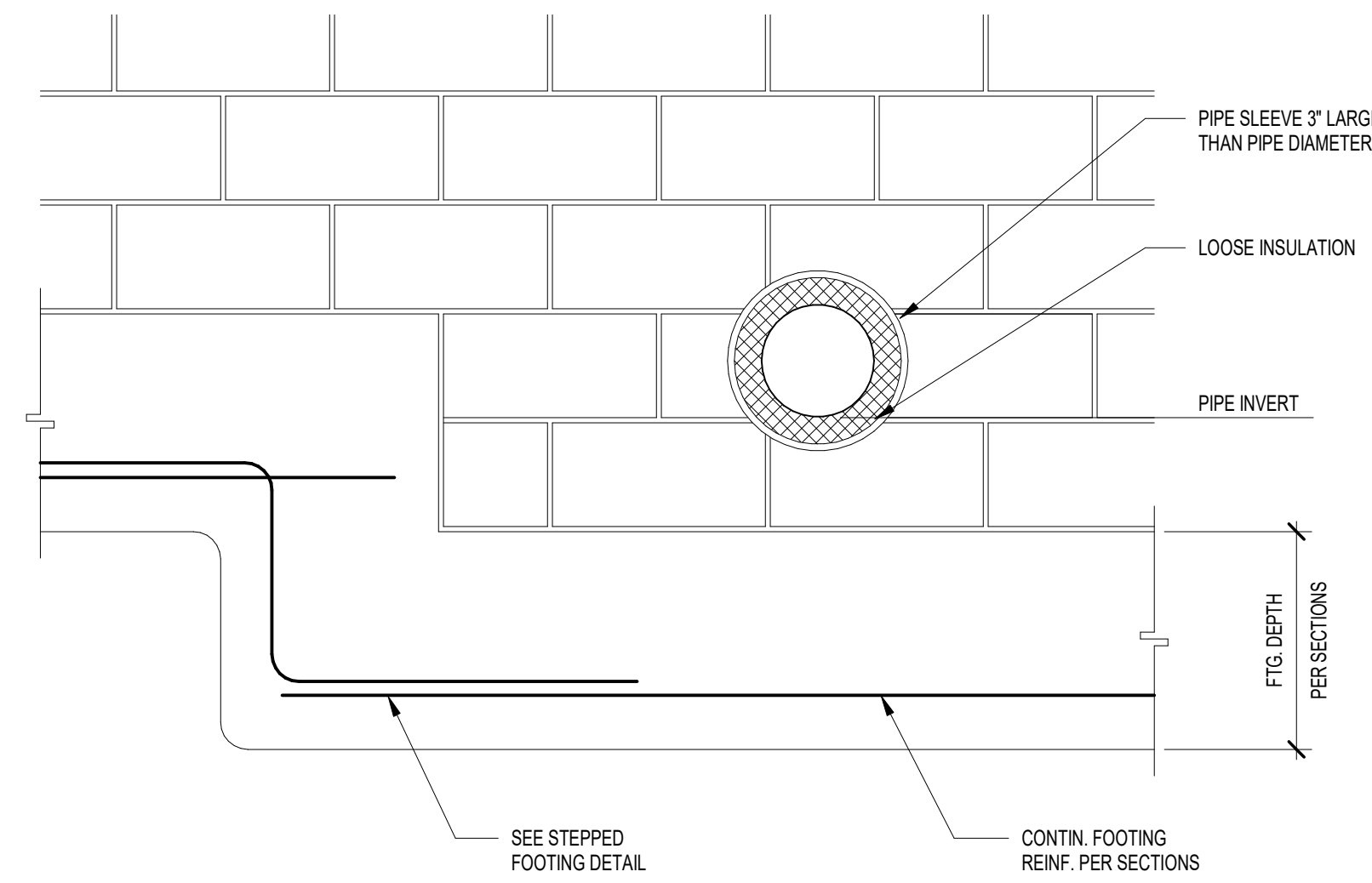
TEMP. F°	TIME, HOURS
40°	16
50°	14
60°	8 1/2
70°	5 1/2
80°	4
90°	3

**2 SLAB CONTROL/CONTRACTION JOINT**  
NOT TO SCALE



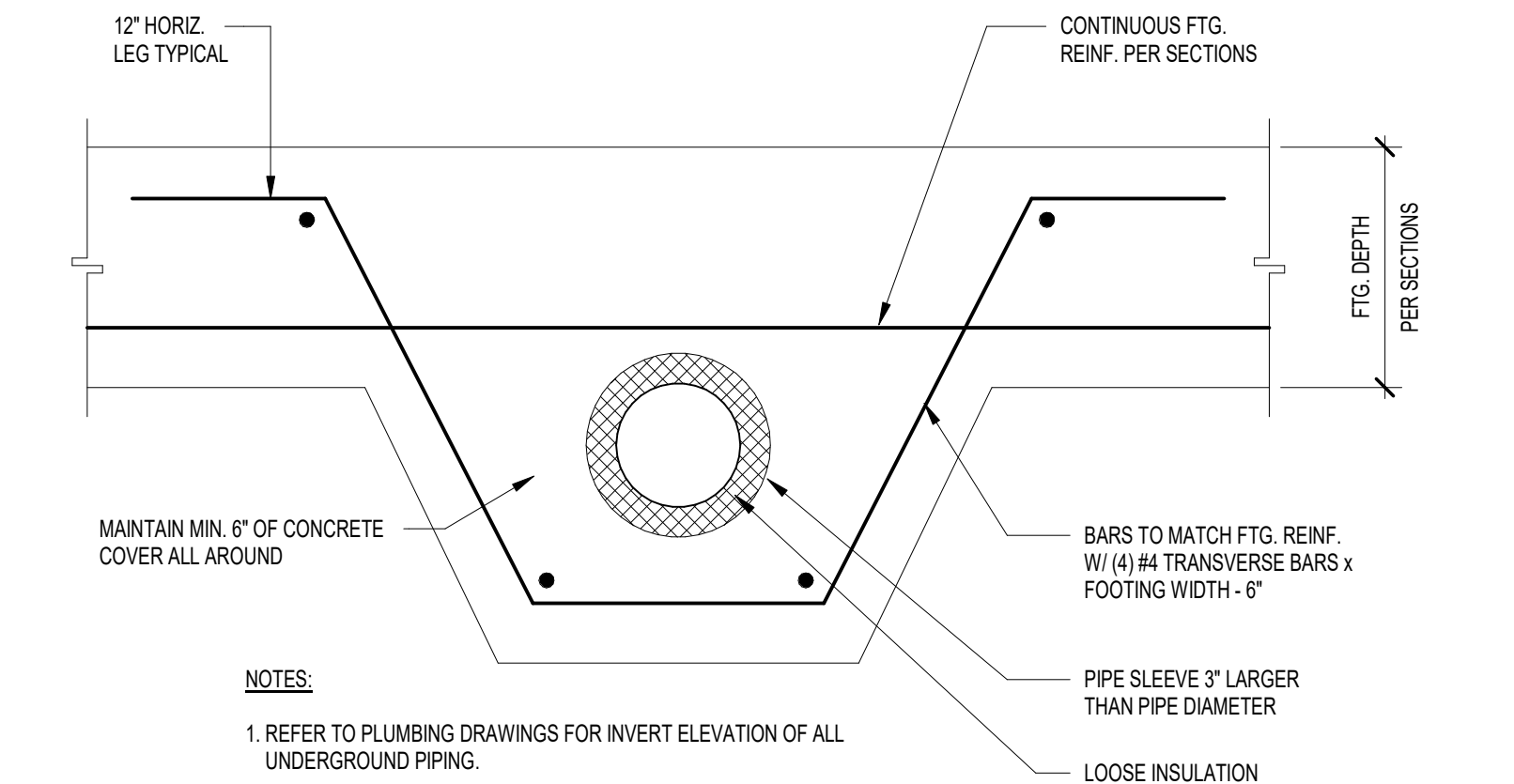
1. LOCATE WELDED WIRE FABRIC IN UPPER THIRD OF SLAB. SUPPORT ON BOLSTERS, CHAIRS, OR CONCRETE BRICKS.
2. LAP WELDED WIRE FABRIC A MIN. OF ONE FULL MESH SPACING.
3. THE USE OF NYLON OR POLYPROPYLENE FIBER IN LIEU OF WELDED WIRE FABRIC AS A SECONDARY REINFORCEMENT IS PERMISSIBLE, UNLESS OTHERWISE NOTED. NOTE: FIBER MAY NOT BE SUBSTITUTED FOR W.W.F. IN SUPPORTED SLABS.
4. SEE PLAN, NOTES, AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS SUCH AS FINISH, JOINTING, CURING, ETC.

**1 SLAB ON GRADE CONSTRUCTION**  
NOT TO SCALE



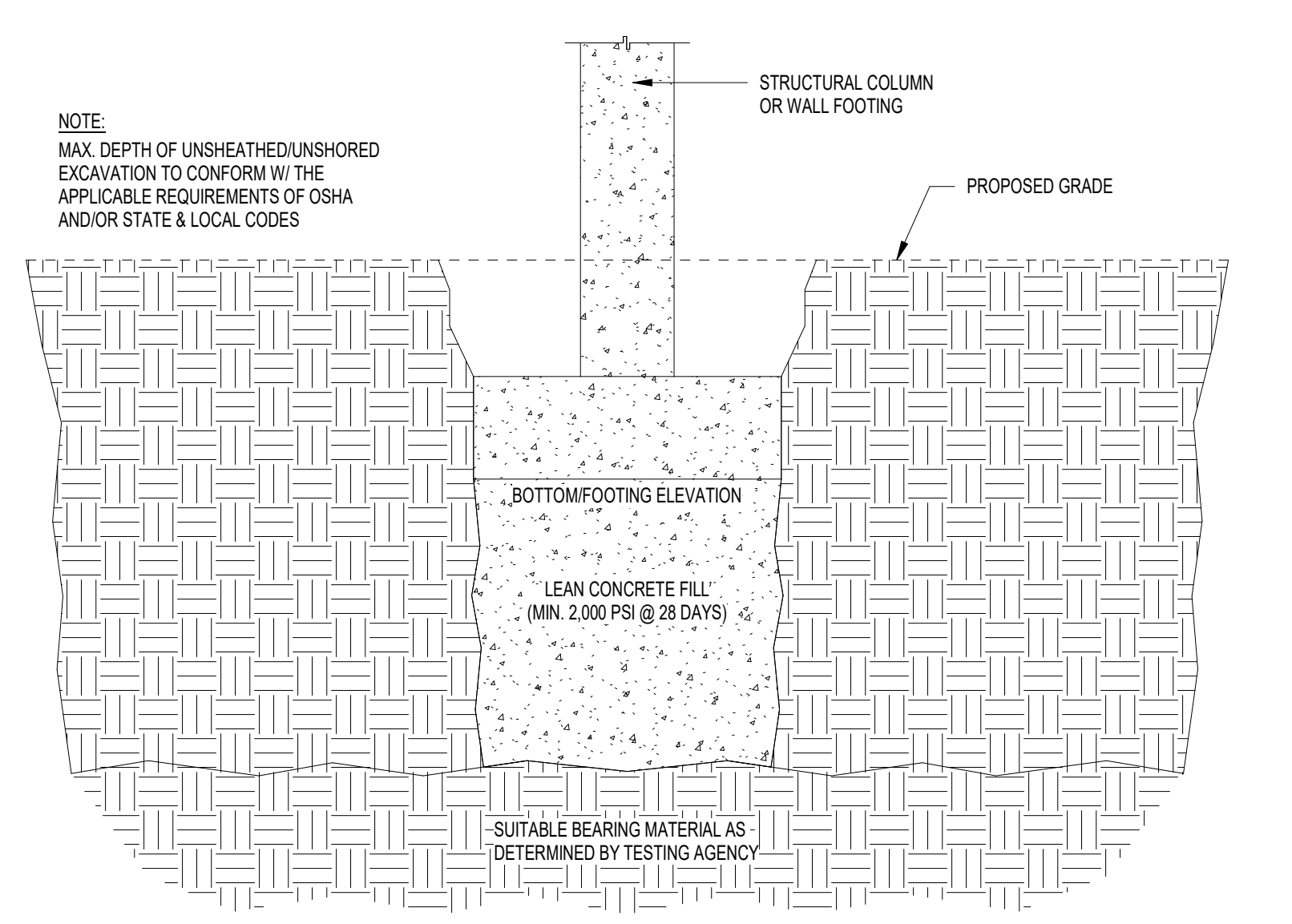
- NOTES:**
1. REFER TO PLUMBING DRAWINGS FOR INVERT ELEVATION OF ALL UNDERGROUND PIPING.
  2. STEP FOOTING FOR PIPE PENETRATION THROUGH FOUNDATION WALL UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE MEP ENGINEER.
  3. PROVIDE PRECAST OR BOND BEAM LINTEL FOR MULTIPLE PENETRATIONS OR OPENINGS GREATER THAN 24" IN WIDTH.

**9 CMU FOUNDATION WALL SLEEVE**  
NOT TO SCALE



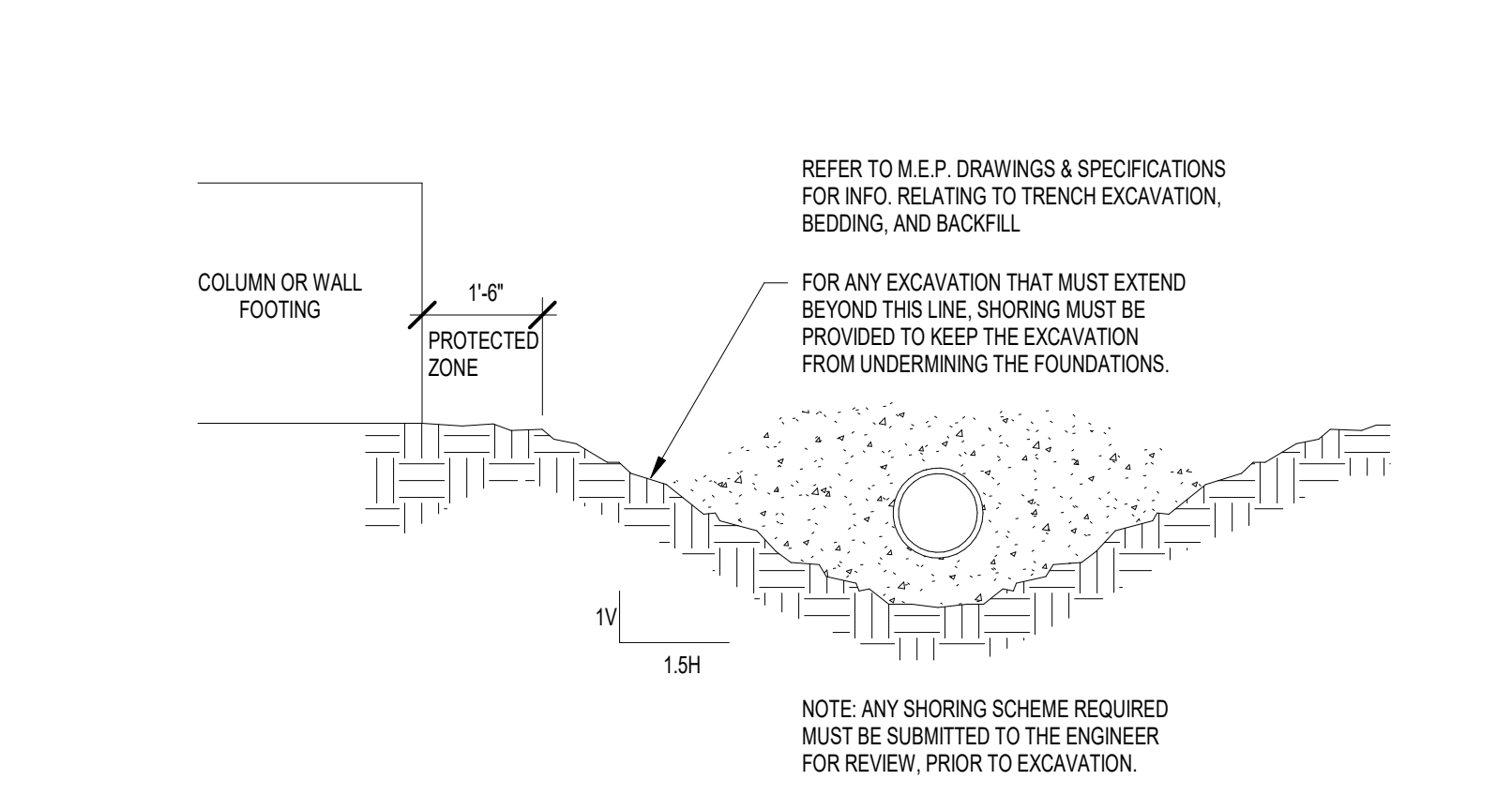
- NOTES:**
1. REFER TO PLUMBING DRAWINGS FOR INVERT ELEVATION OF ALL UNDERGROUND PIPING.
  2. PROVIDE THIS DETAIL WHERE A PENETRATION THROUGH A WALL FOOTING IS UNAVOIDABLE.
  3. NO SLEEVES IN COLUMN FOOTINGS ARE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

**8 TRENCH FOOTING SLEEVE DETAIL**  
NOT TO SCALE

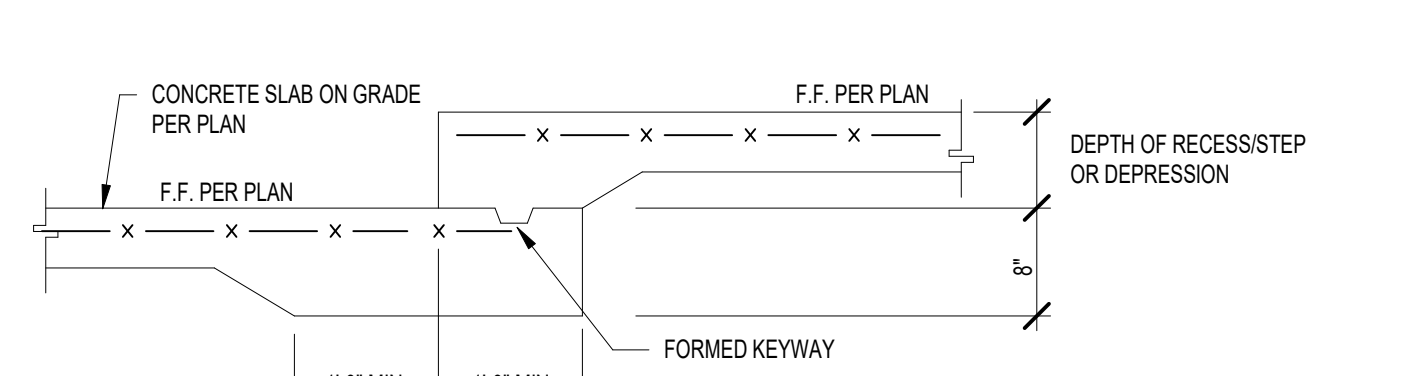
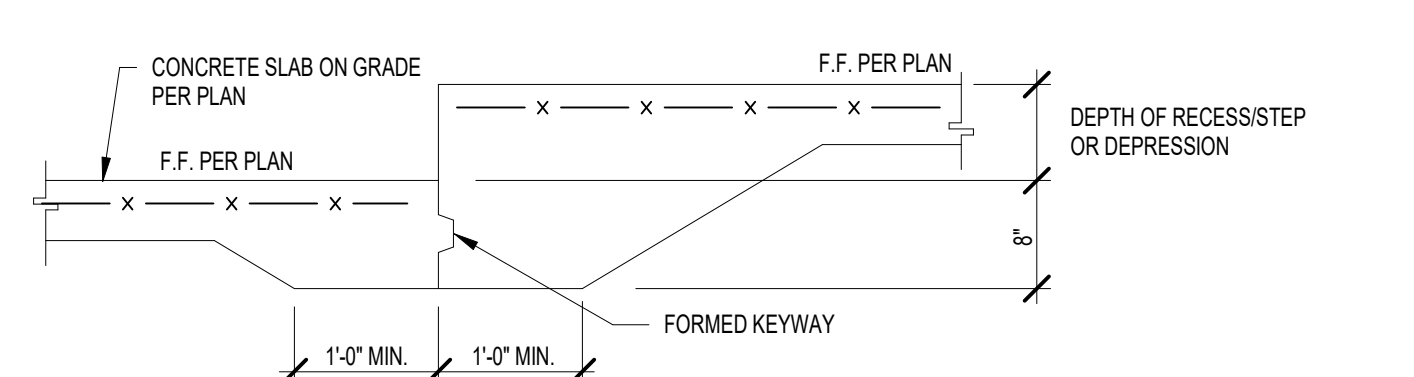
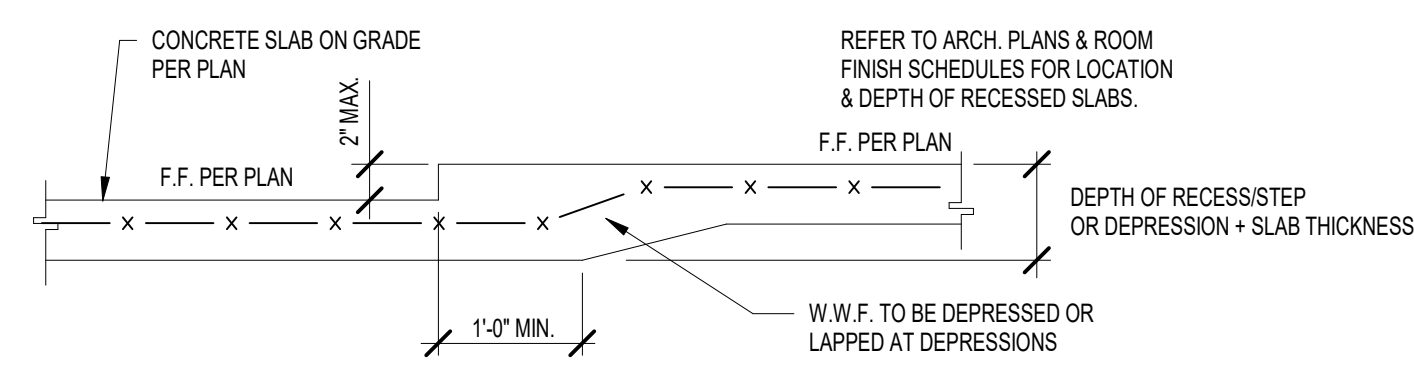


1. REFER TO THE SPECIFICATIONS FOR APPLICATION OF UNIT COSTS FOR REMOVAL OF UNSUITABLE BEARING MATERIAL & REPLACEMENT W/ LEAN CONCRETE FILL.
2. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION RE. EXPECTED SOIL CONDITIONS, SUITABILITY OF EX. SOILS FOR USE AS ENGINEERED FILL, GROUNDWATER CONDITIONS, ETC.

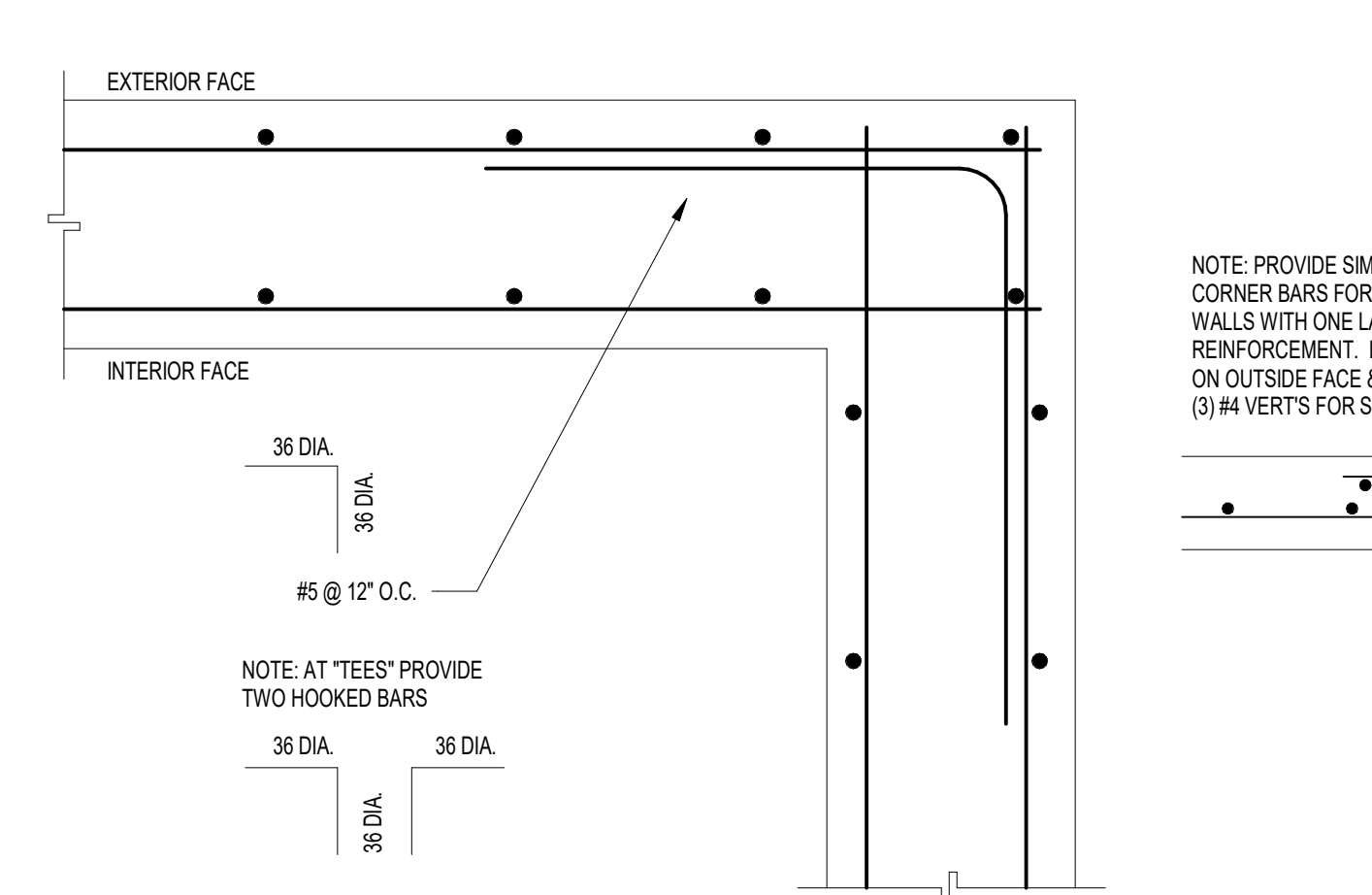
**7 OVEREXCAVATION DETAIL - LEAN CONCRETE FILL**  
NOT TO SCALE



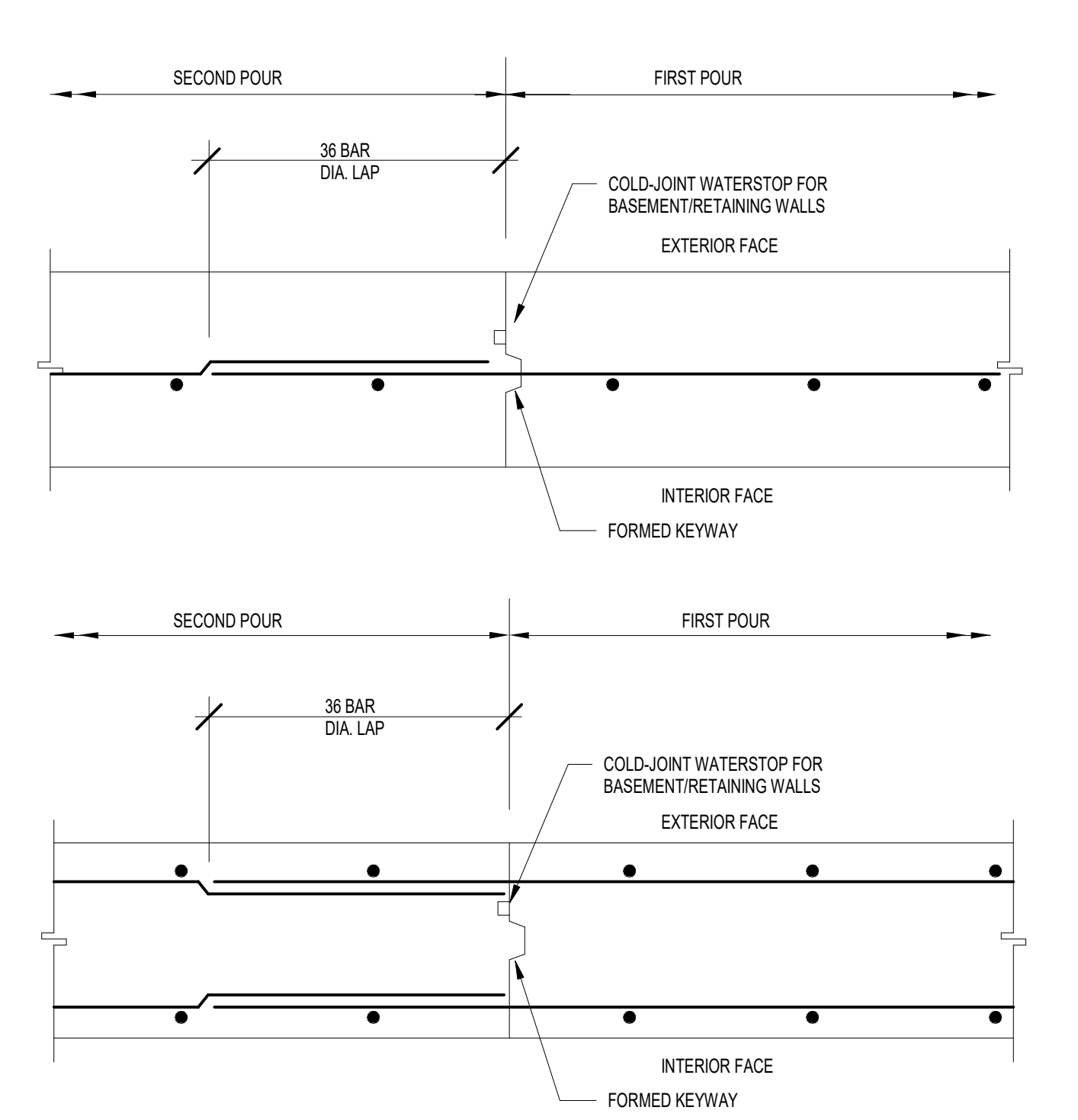
**6 EXCAVATION LIMITS DETAILS**  
NOT TO SCALE



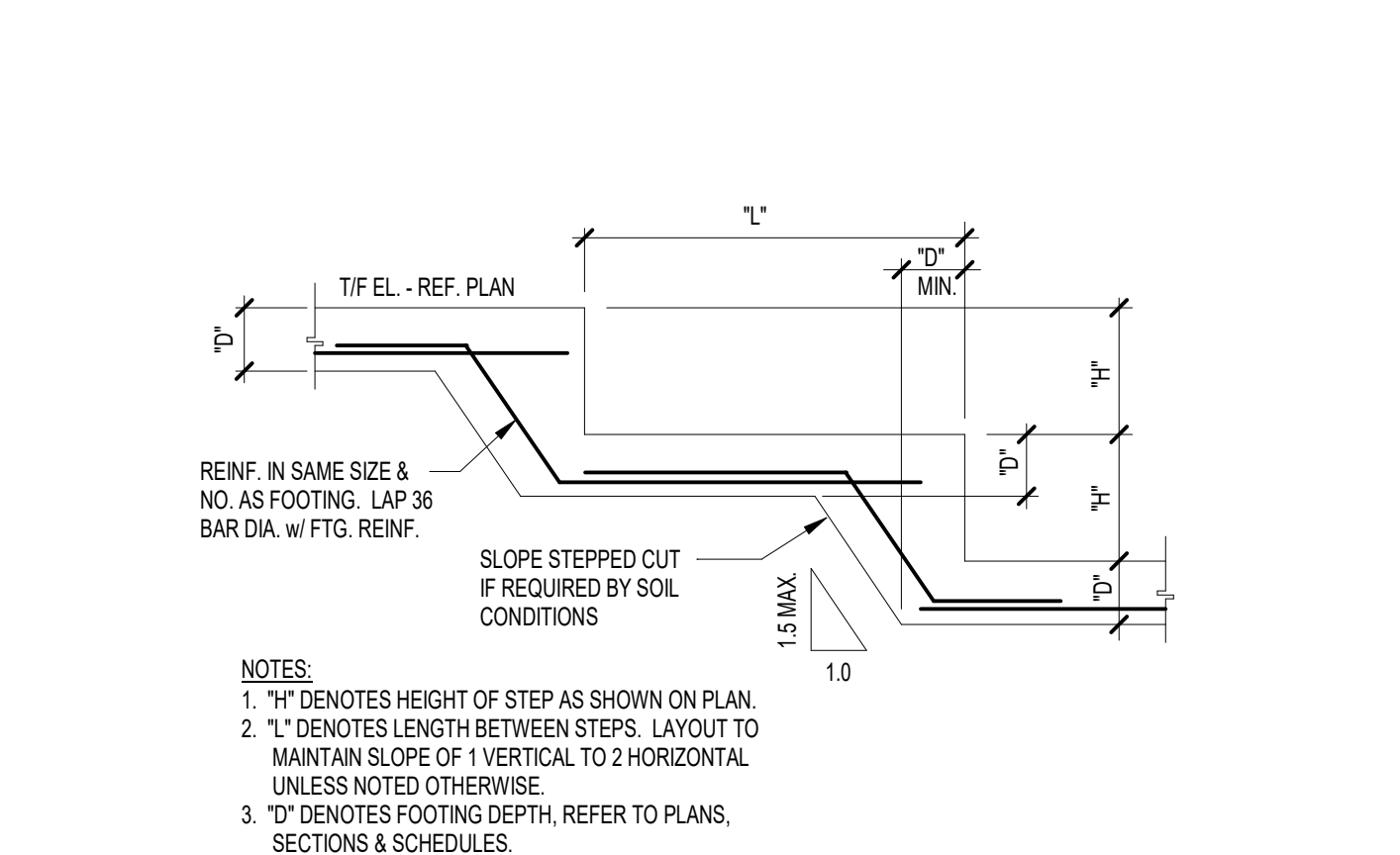
**13 RECESSED SLAB DETAIL**  
NOT TO SCALE



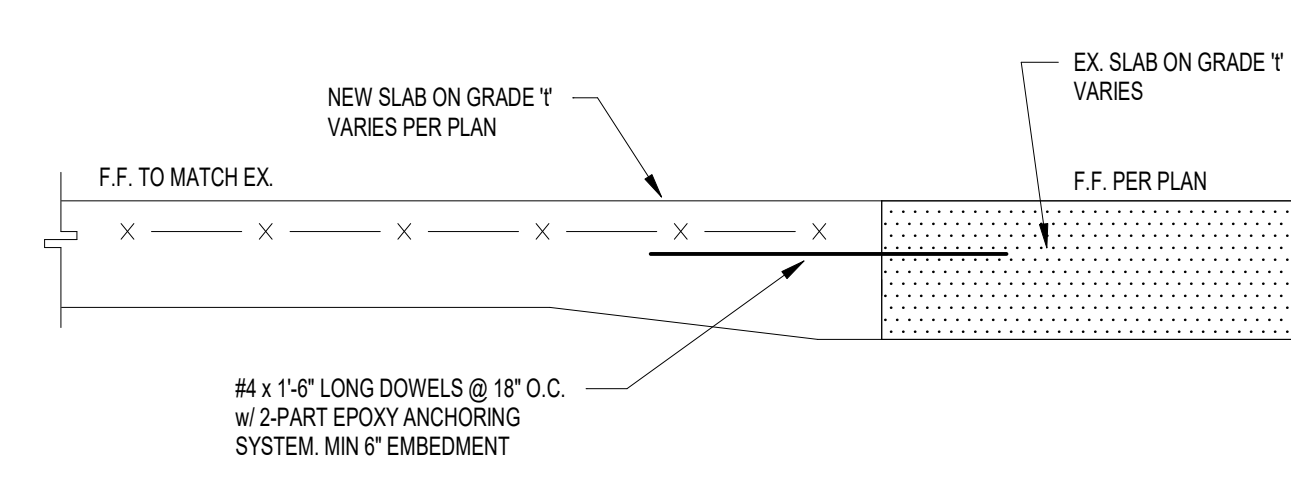
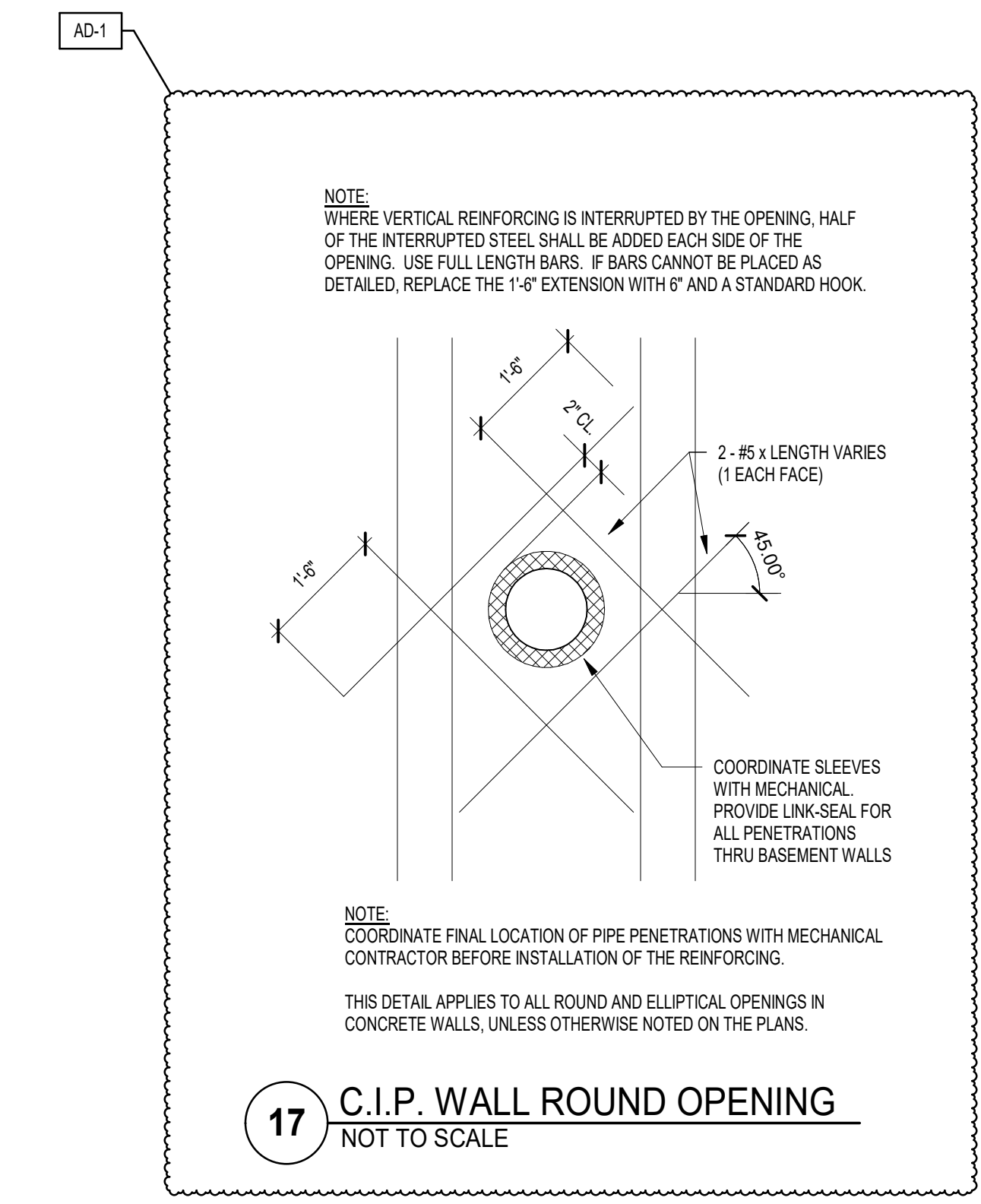
**12 C.I.P. WALL CORNER REINFORCING**  
NOT TO SCALE



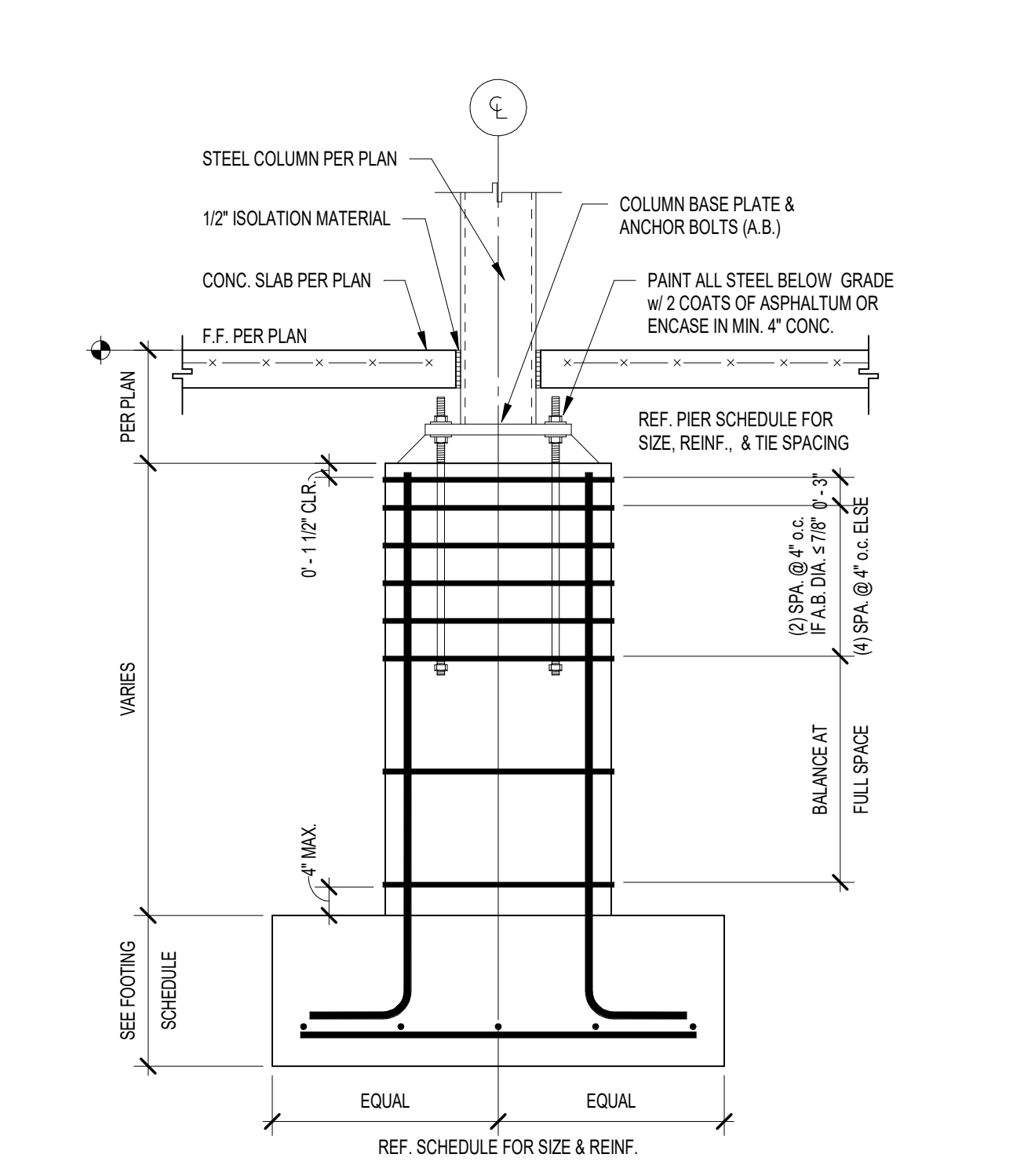
**11 C.I.P. WALL CONSTRUCTION JOINTS**  
NOT TO SCALE



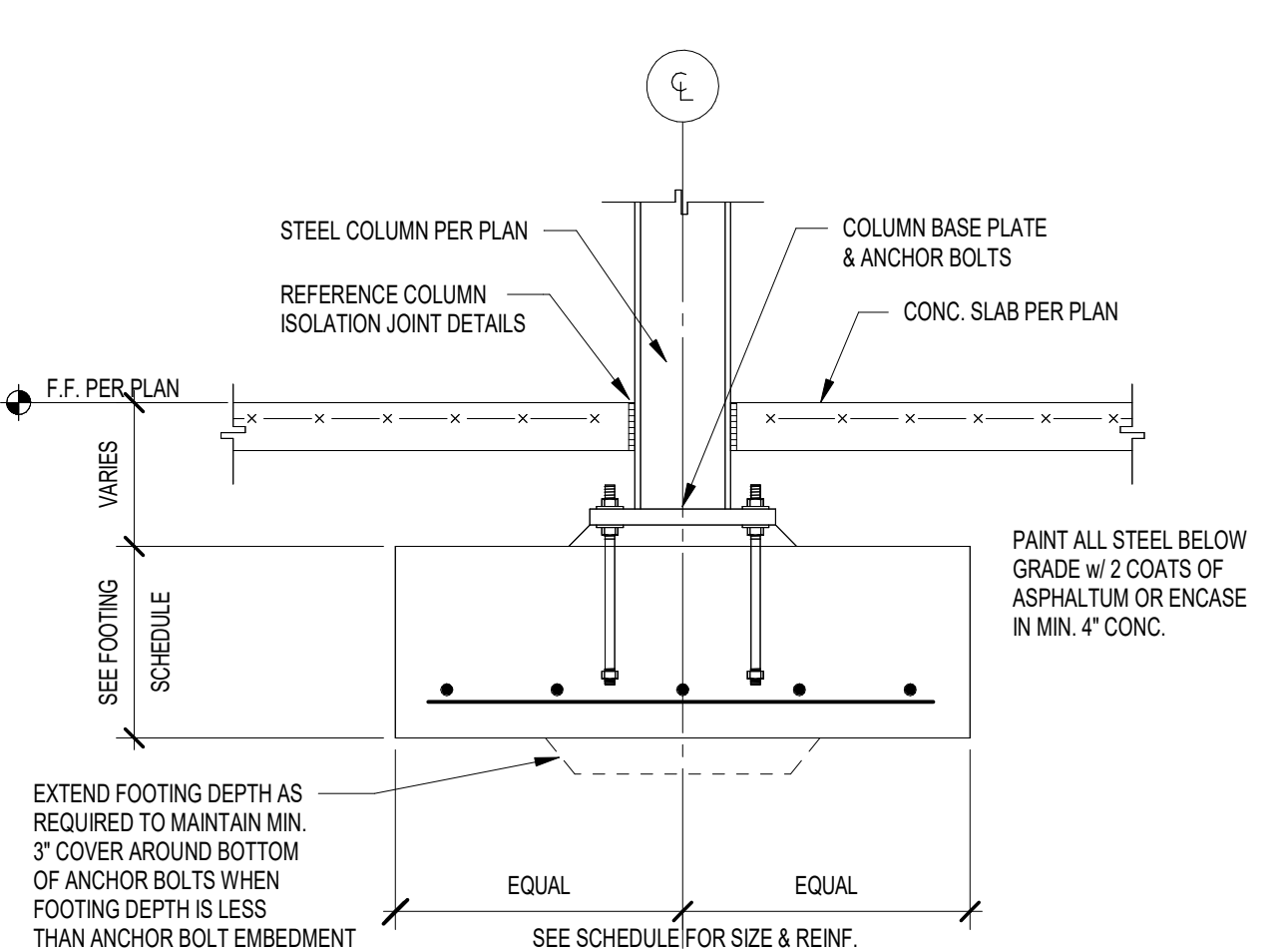
**10 STEPPED FOOTING DETAIL**  
NOT TO SCALE



**16 NEW-TO-EXISTING SLAB DETAIL**  
NOT TO SCALE



**15 TYPICAL CONCRETE PIER REINFORCING**  
NOT TO SCALE



**14 TYPICAL INTERIOR COLUMN FOOTING**  
NOT TO SCALE

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PROJECT:

**Porter Lakes  
Elementary  
School Addition,  
Renovations and  
Related Work**

FOR:  
Porter Township

208 S 725 W, Hebron, IN 46241

9102 N. Meridian St., Ste. 300  
Indianapolis, IN 46260  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

PROJECT  
24-142

DATE  
March 5, 2025

COORDINATED BY  
NHF

DRAWN BY  
NHF

CHECKED BY  
SAC

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REVISIONS

MARK DATE ISSUED FOR

AD-1 03.14.2025 ADDENDUM 1

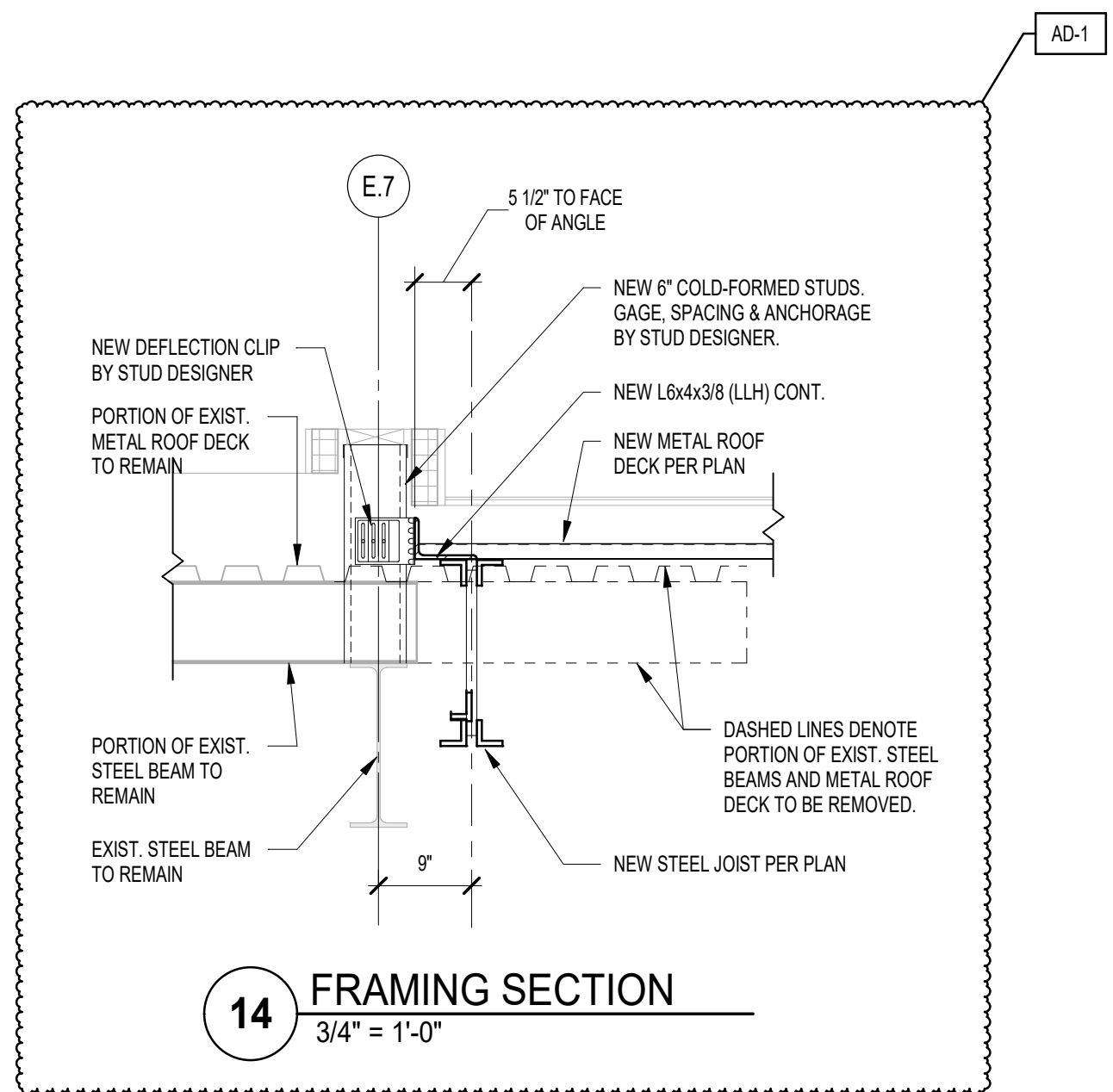
DRAWING  
**STRUCTURAL FRAMING  
SECTIONS**

PROJECT  
Porter Lakes Elementary School  
Addition, Renovations and Related  
Work

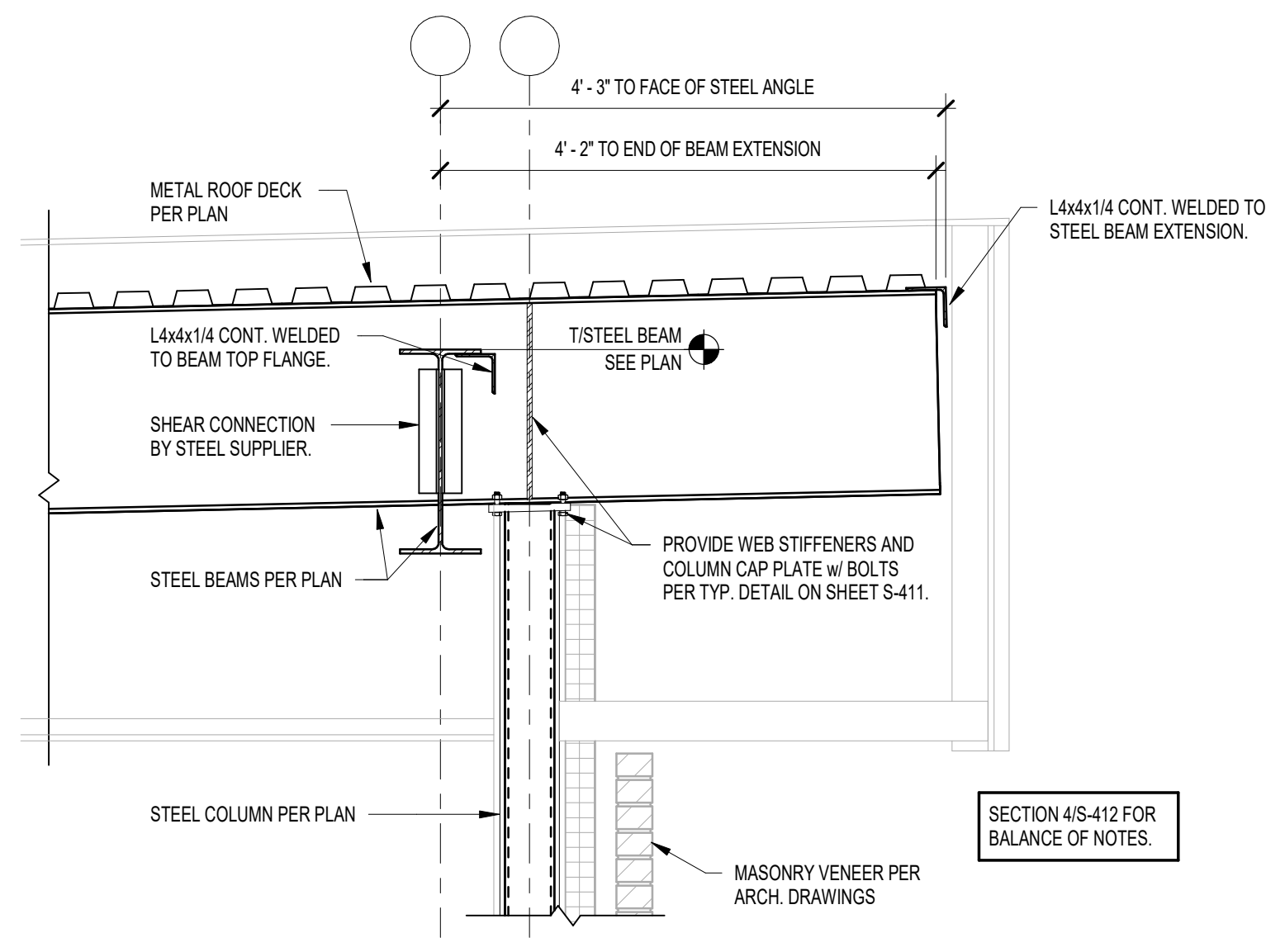
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DESIGN

SHEET

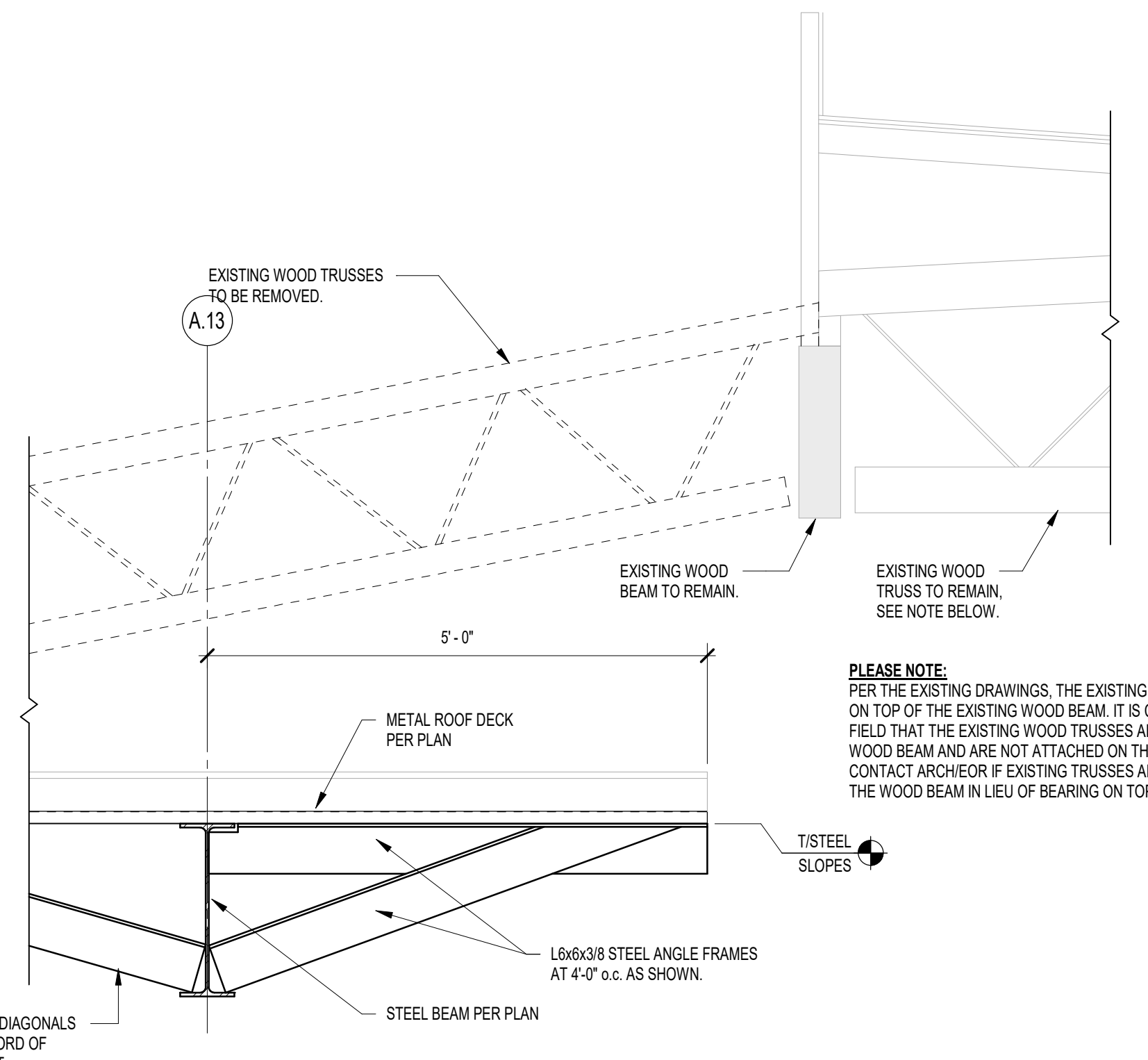
**S-412**



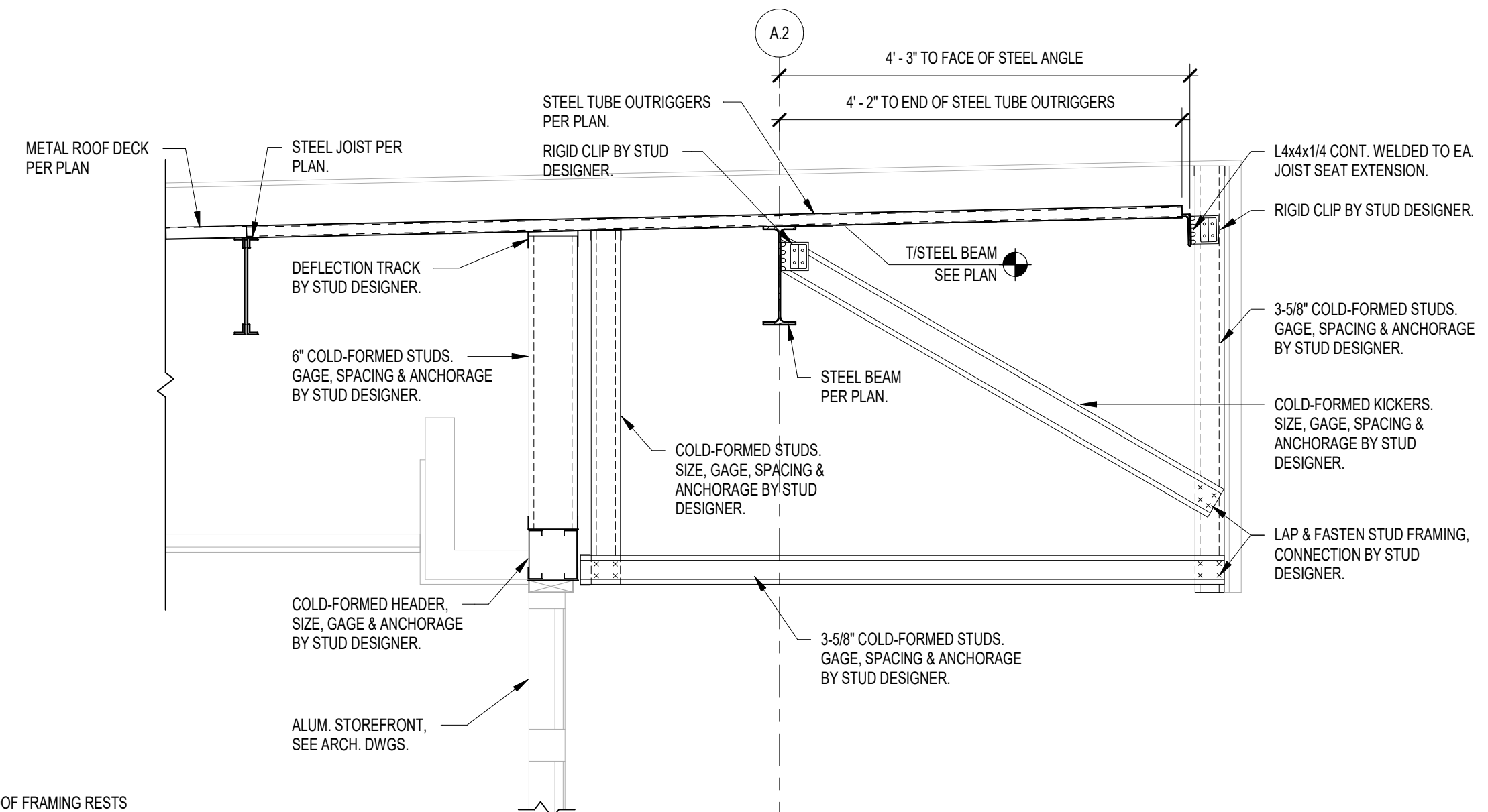
**14** FRAMING SECTION  
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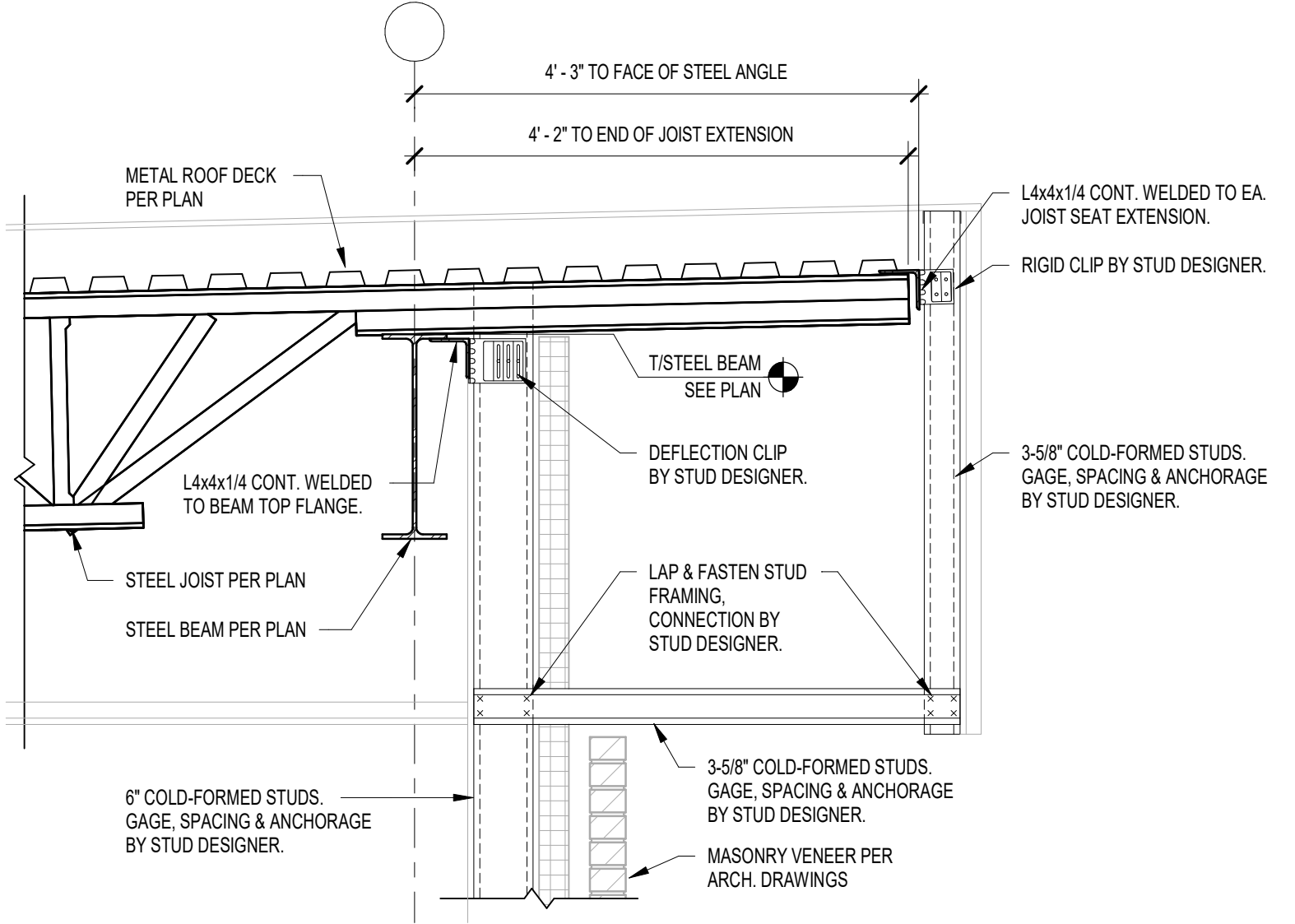
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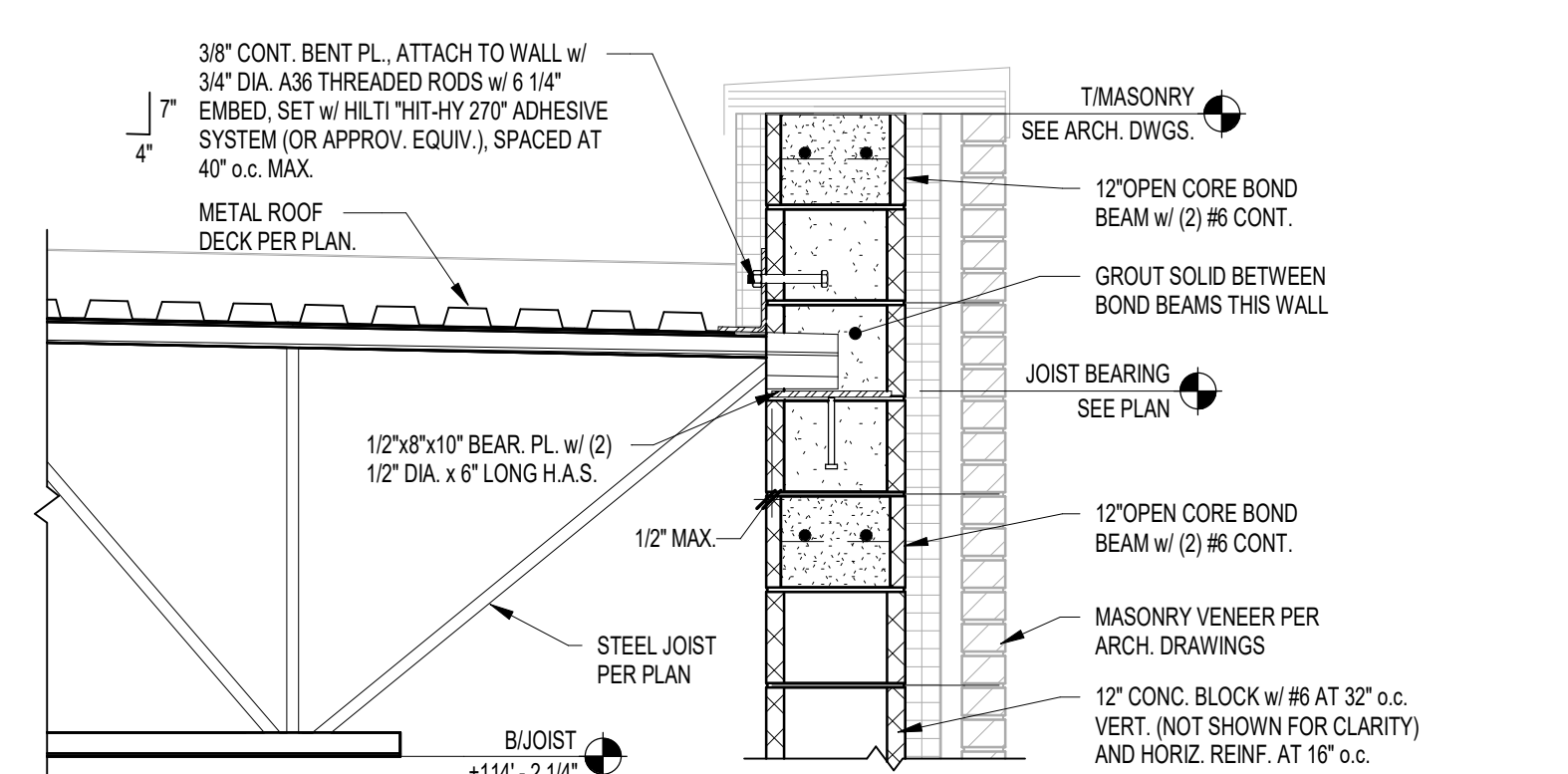
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3/4" = 1'-0"



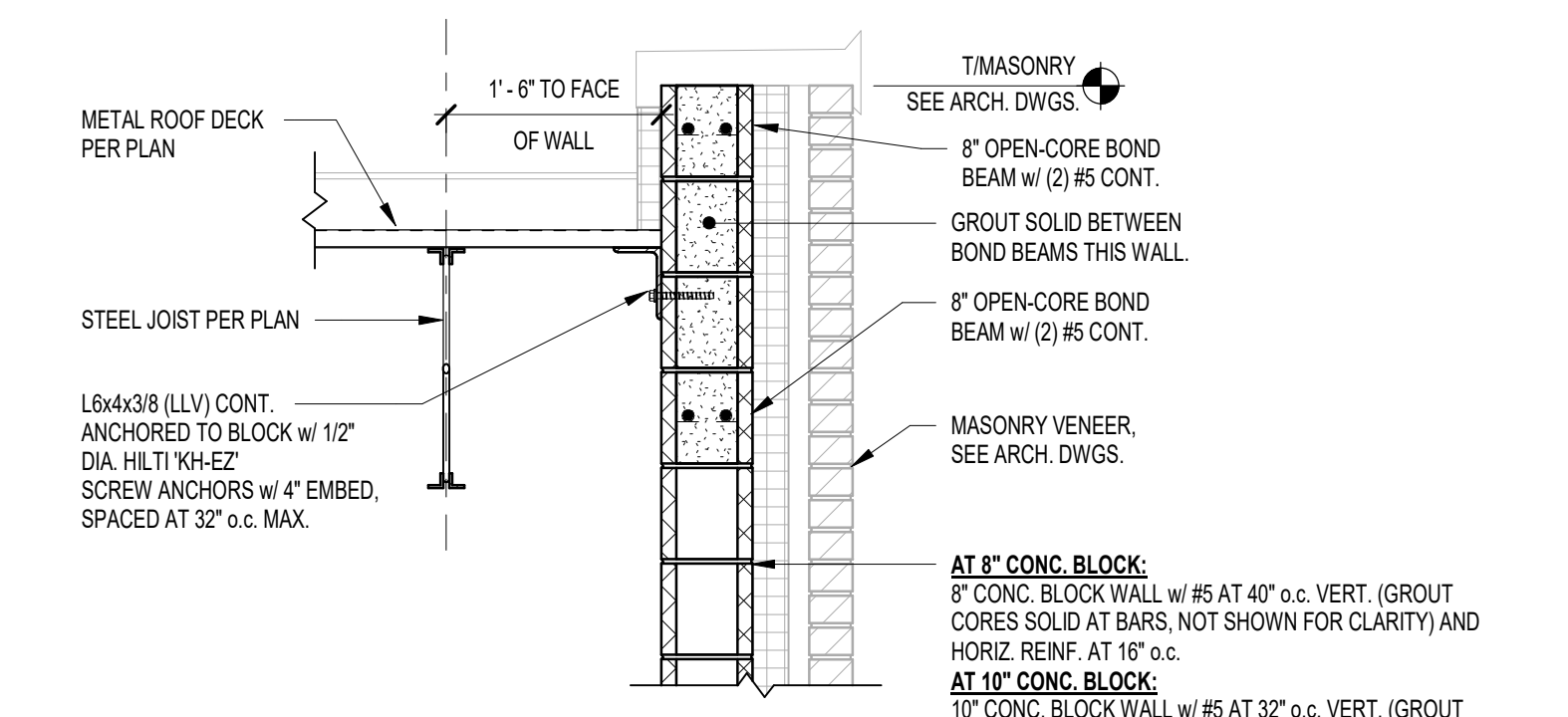
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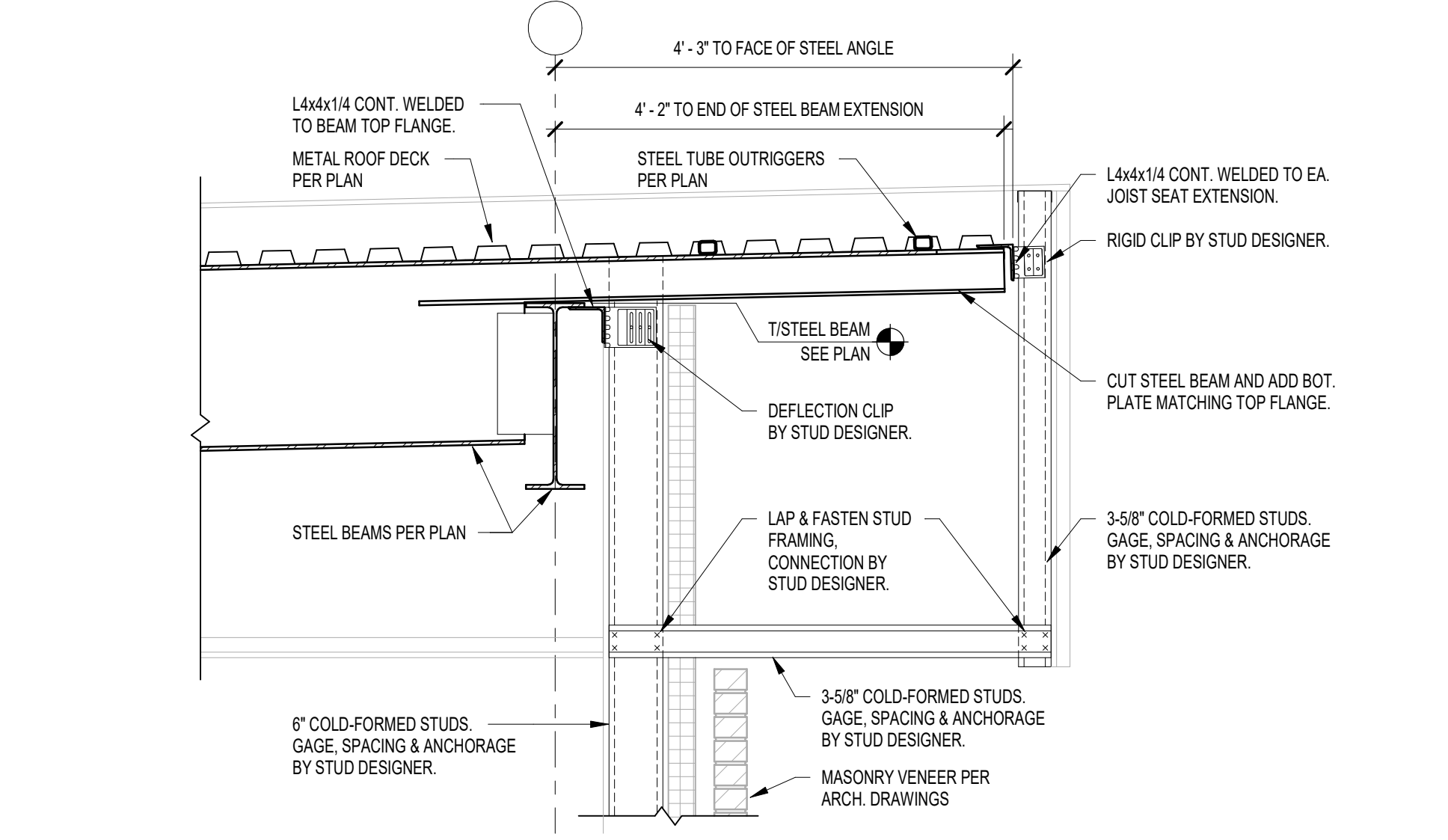
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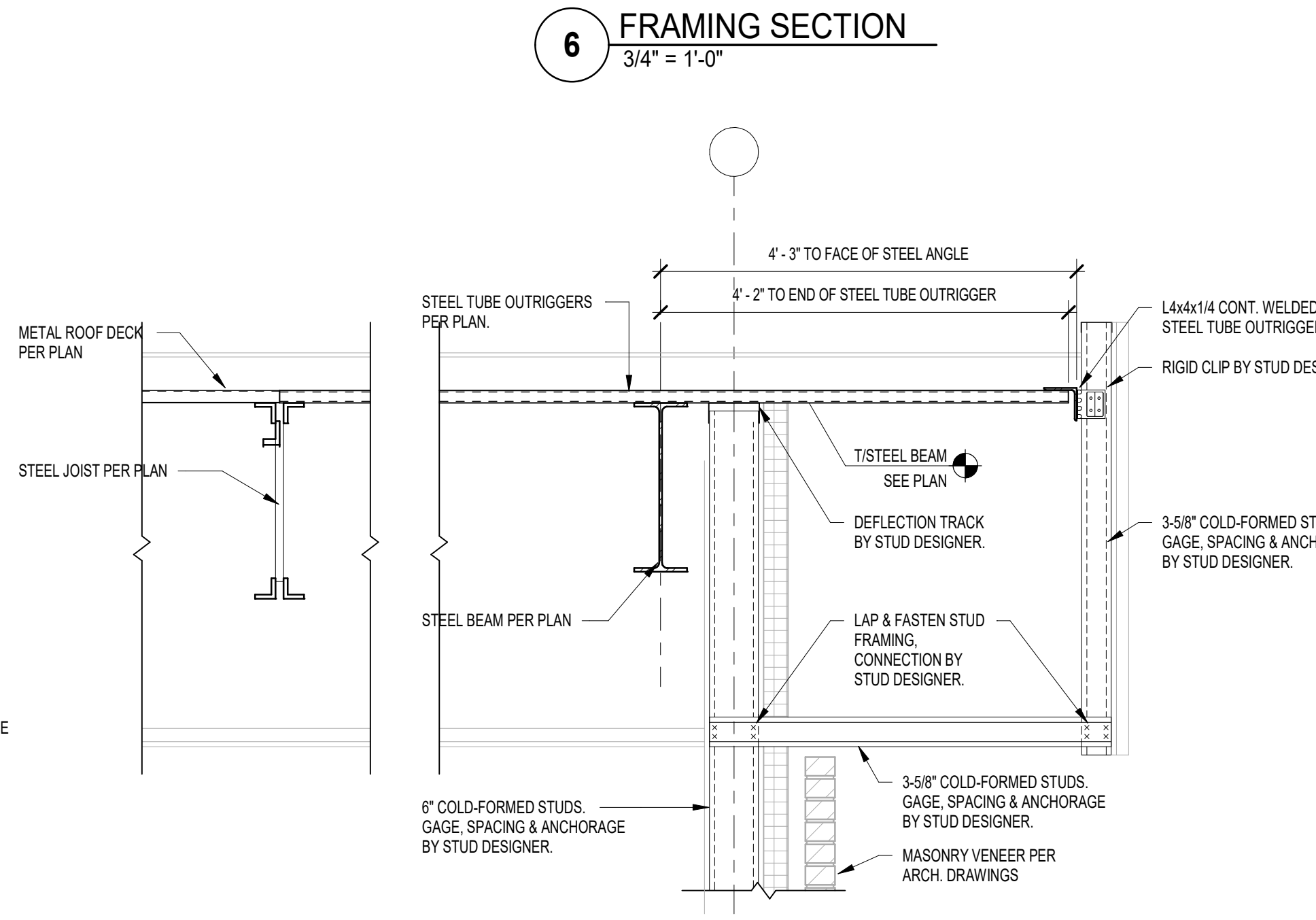
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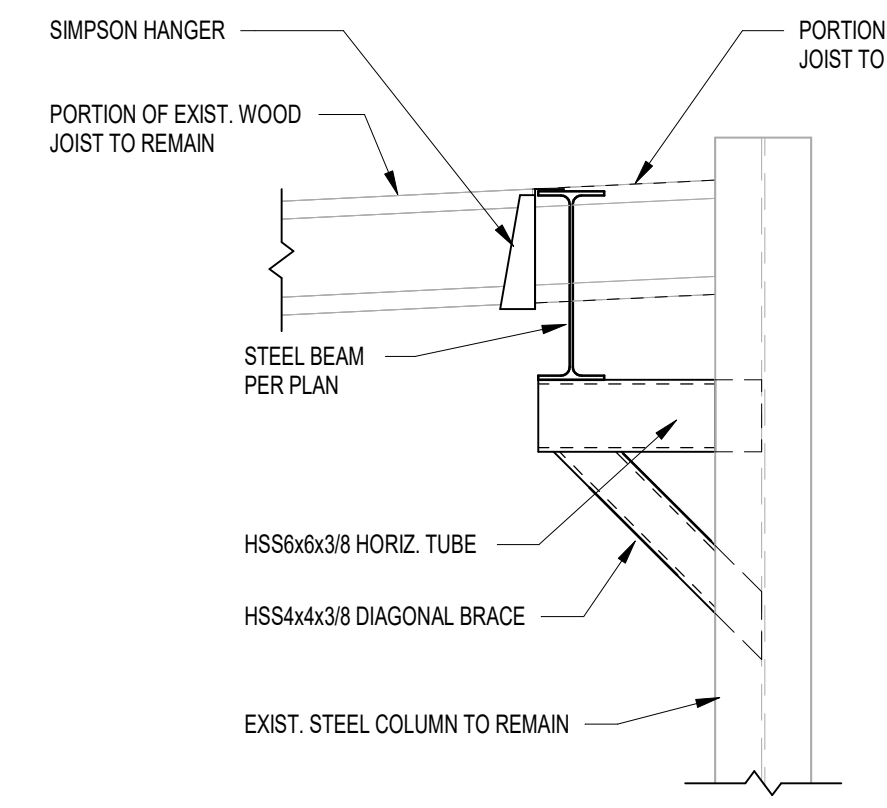
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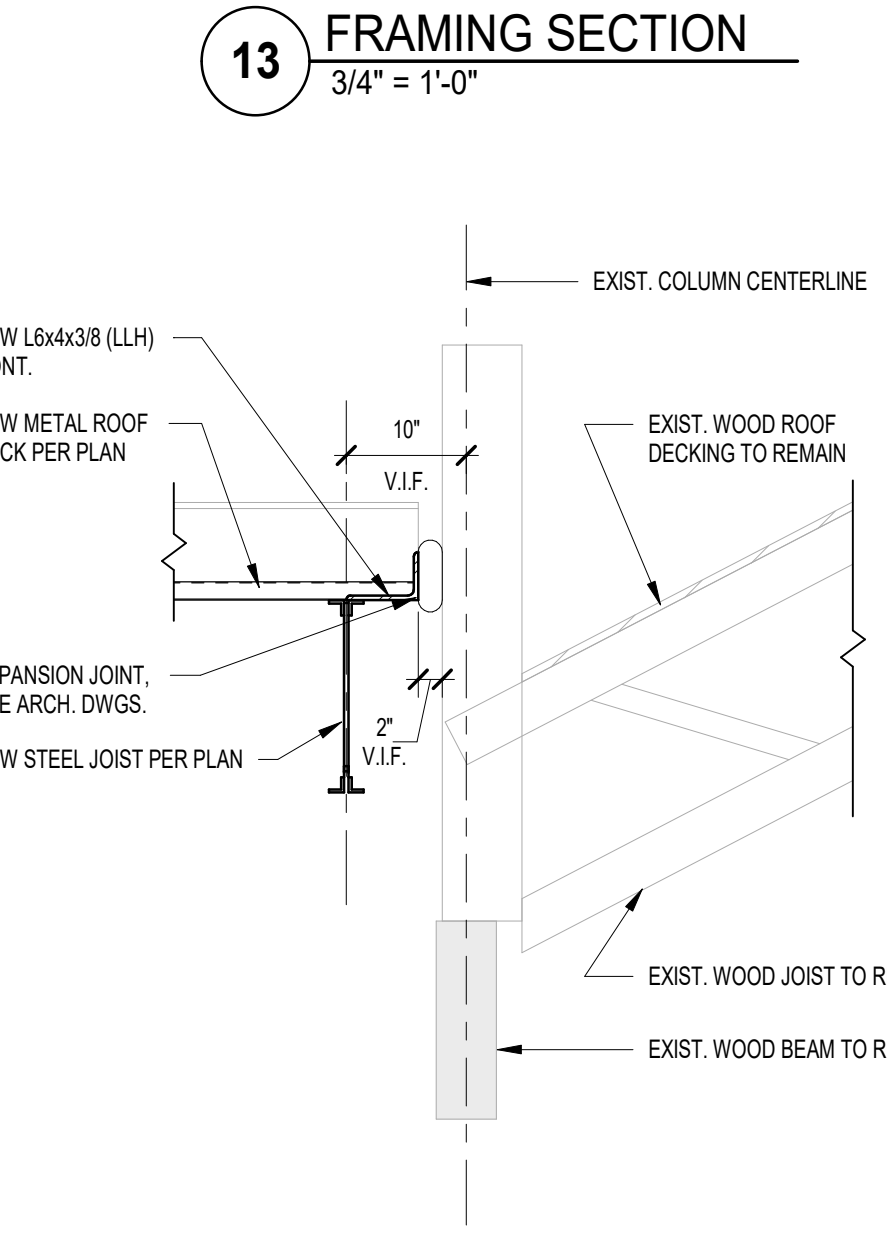
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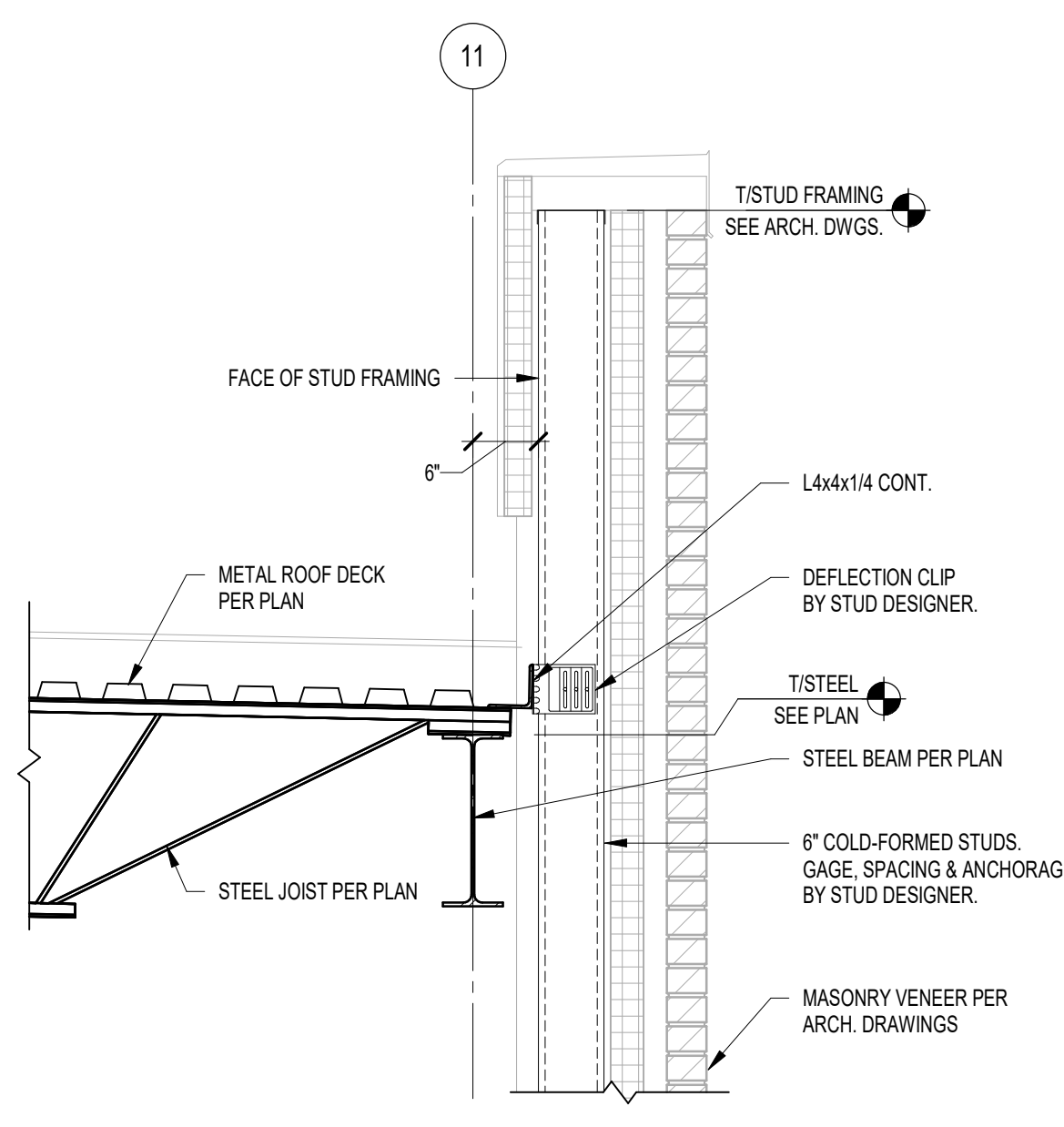
**5** FRAMING SECTION  
3/4" = 1'-0"



**13** FRAMING SECTION  
3/4" = 1'-0"



**12** FRAMING SECTION  
3/4" = 1'-0"

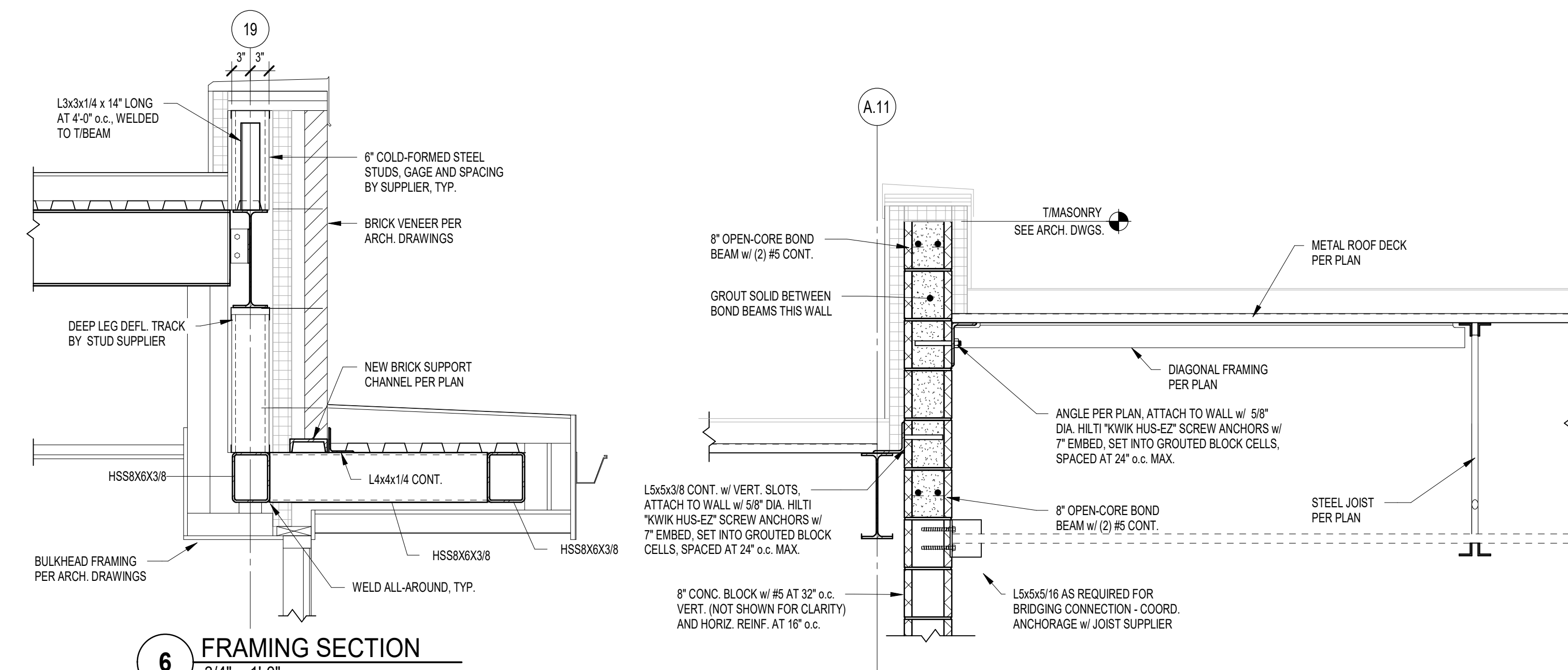


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3/4" = 1'-0"

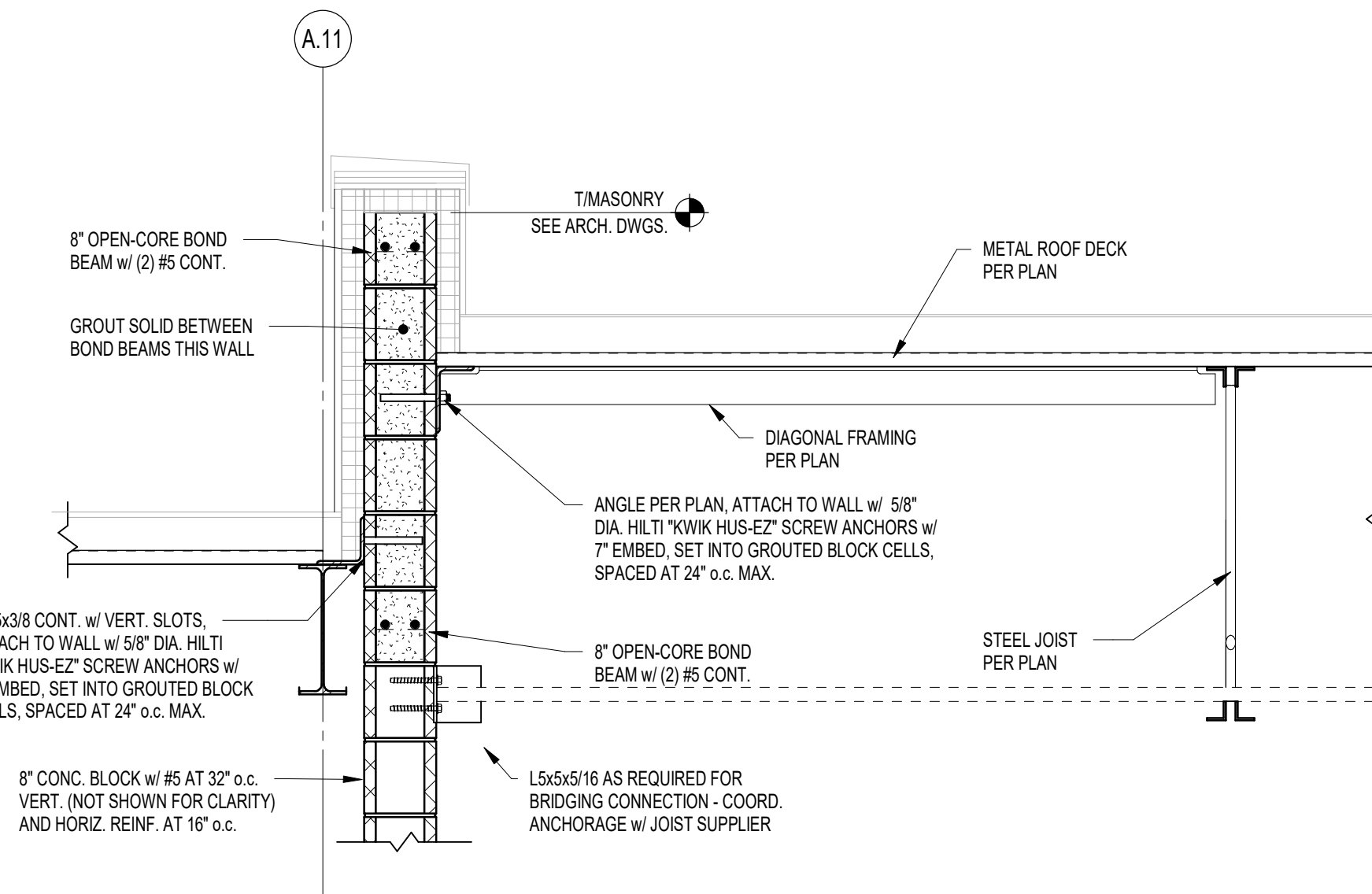
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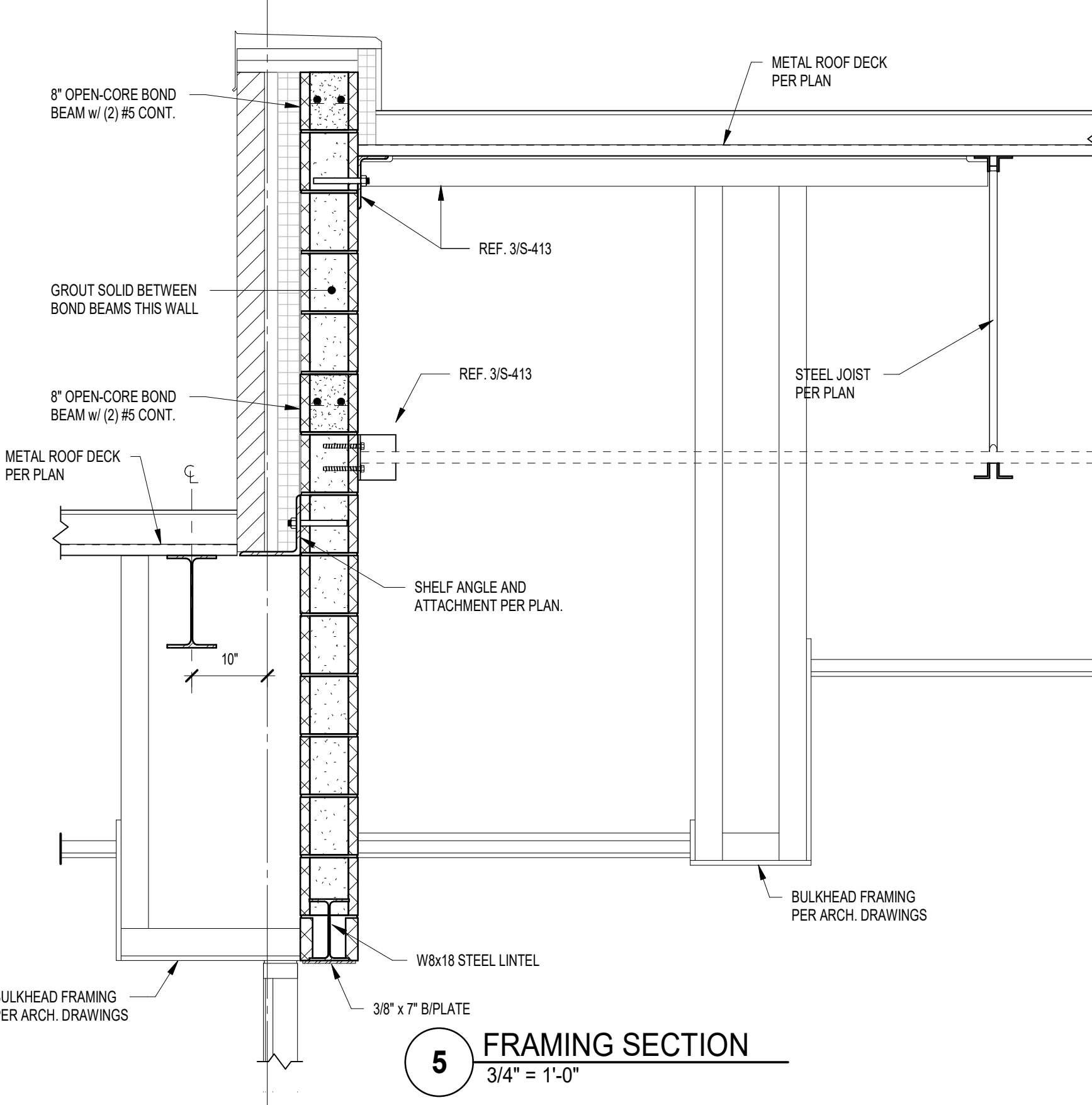




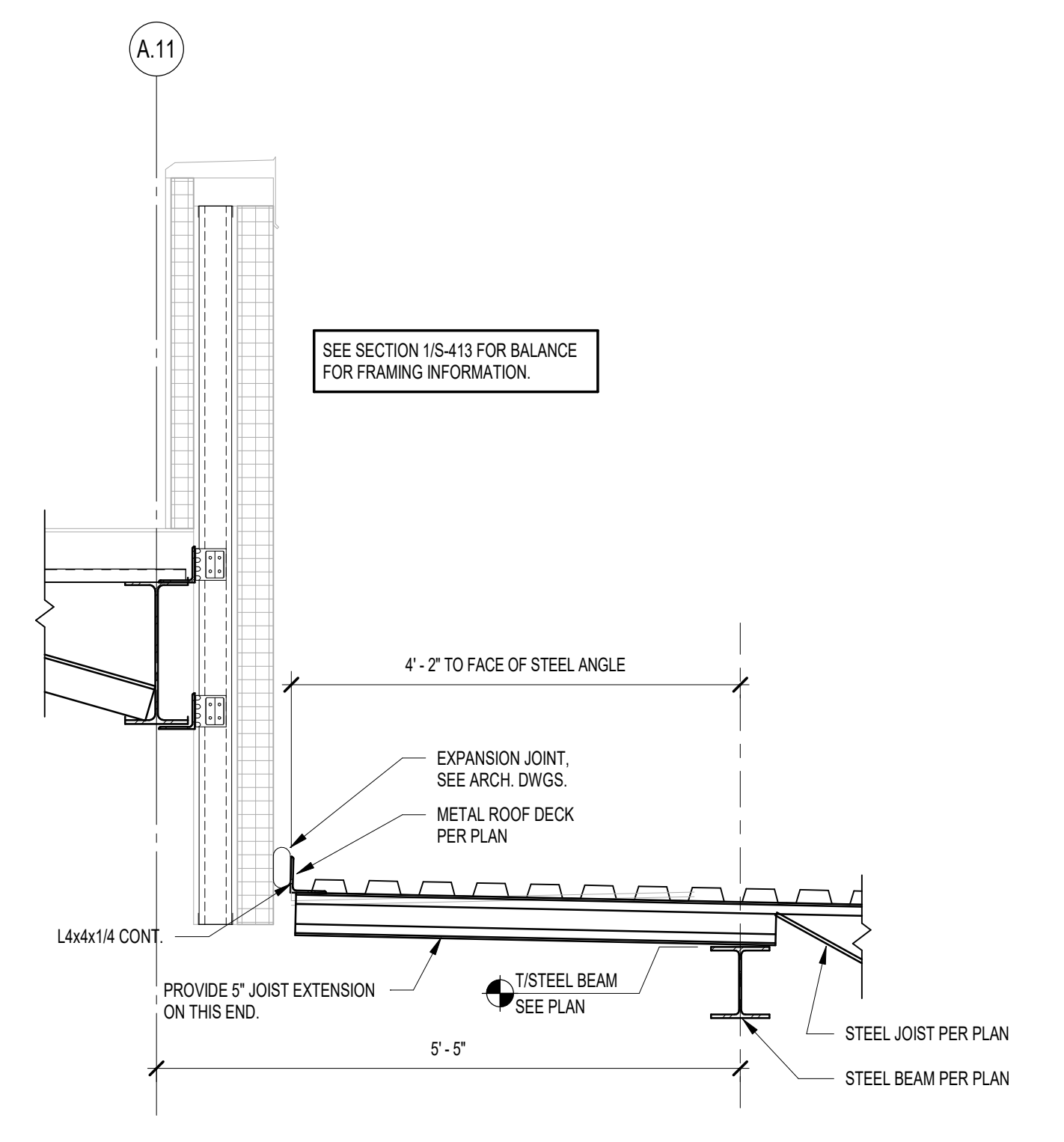
**6 FRAMING SECTION**  
3/4" = 1'-0"



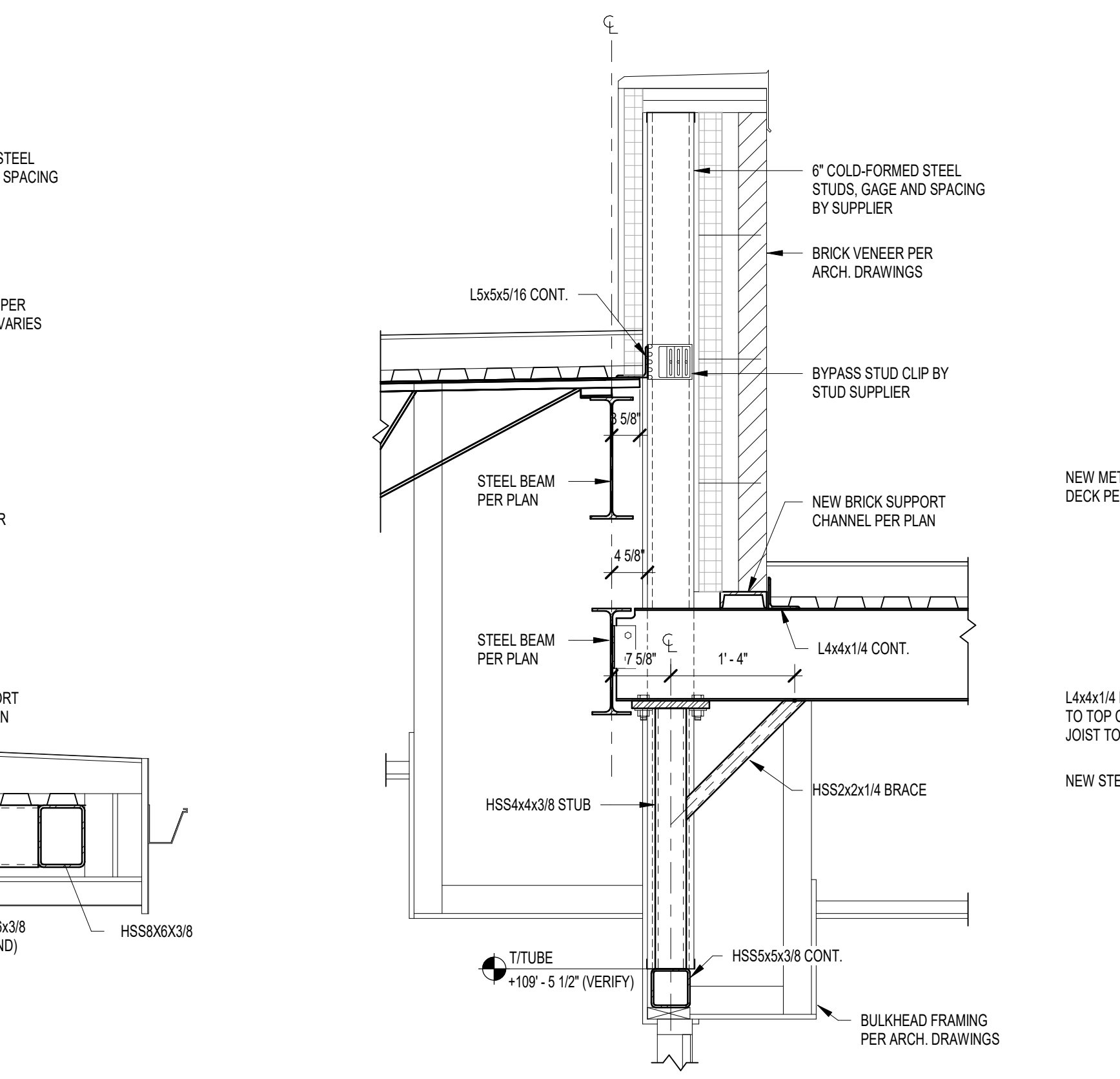
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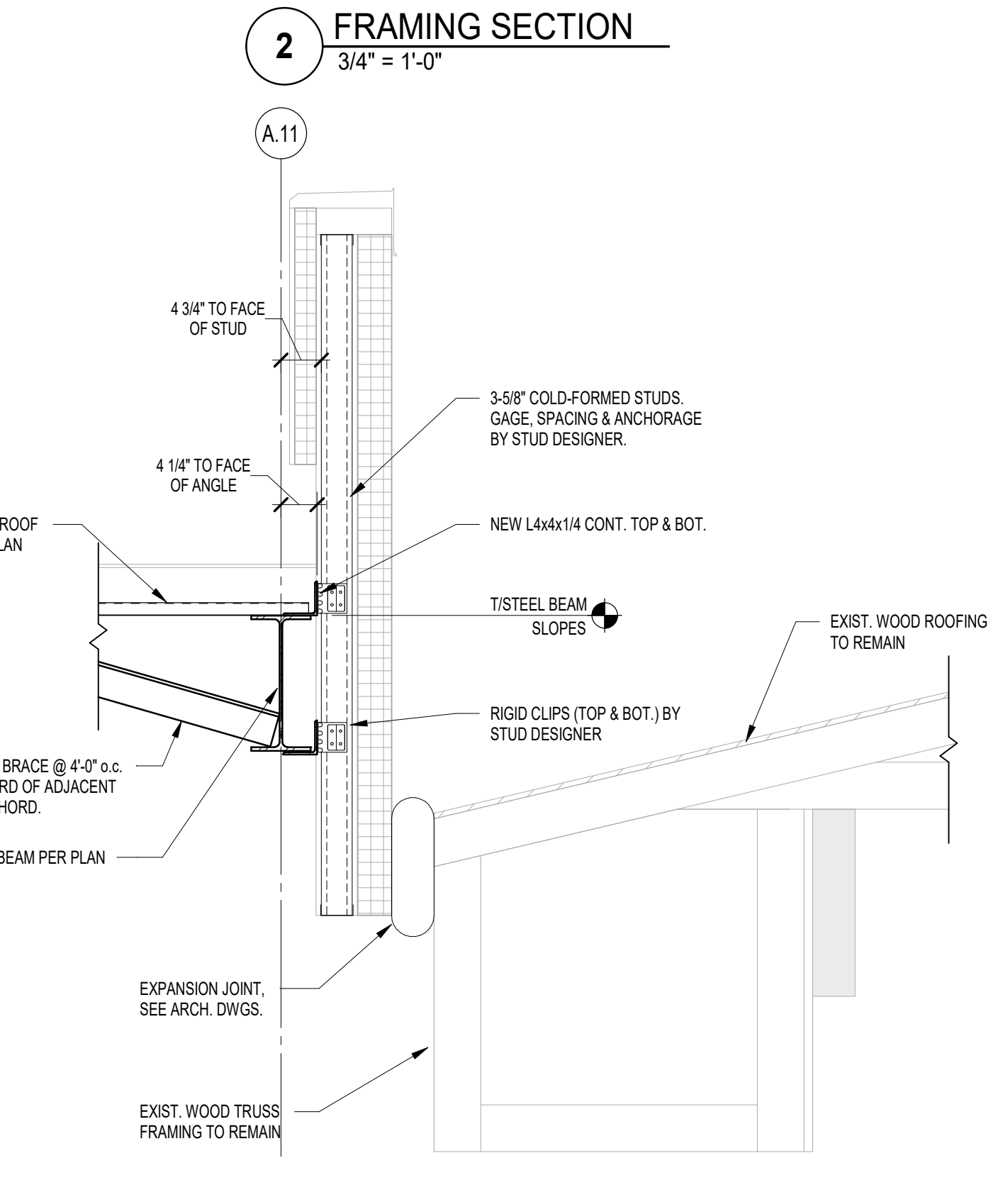
**5 FRAMING SECTION**  
3/4" = 1'-0"



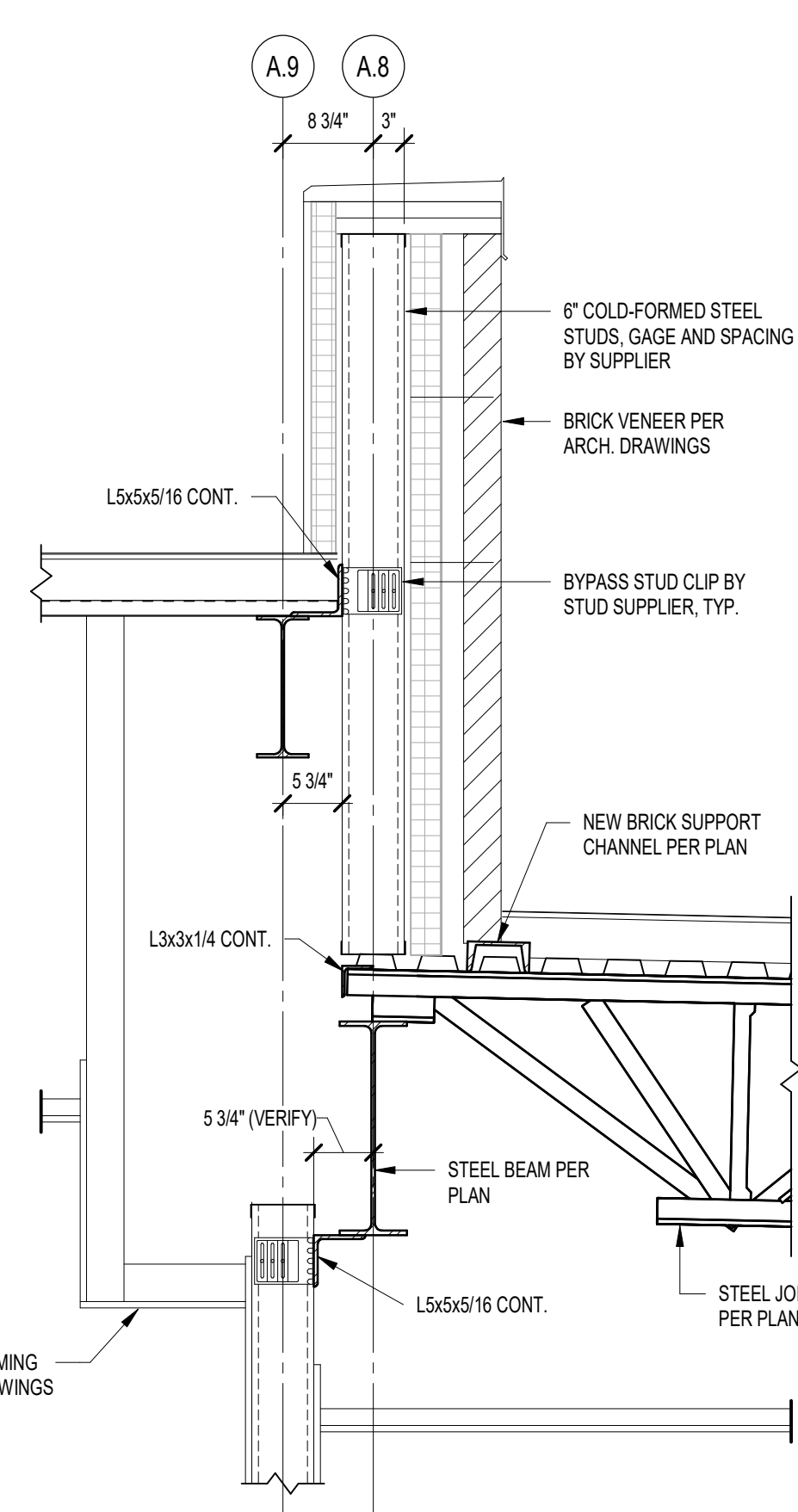
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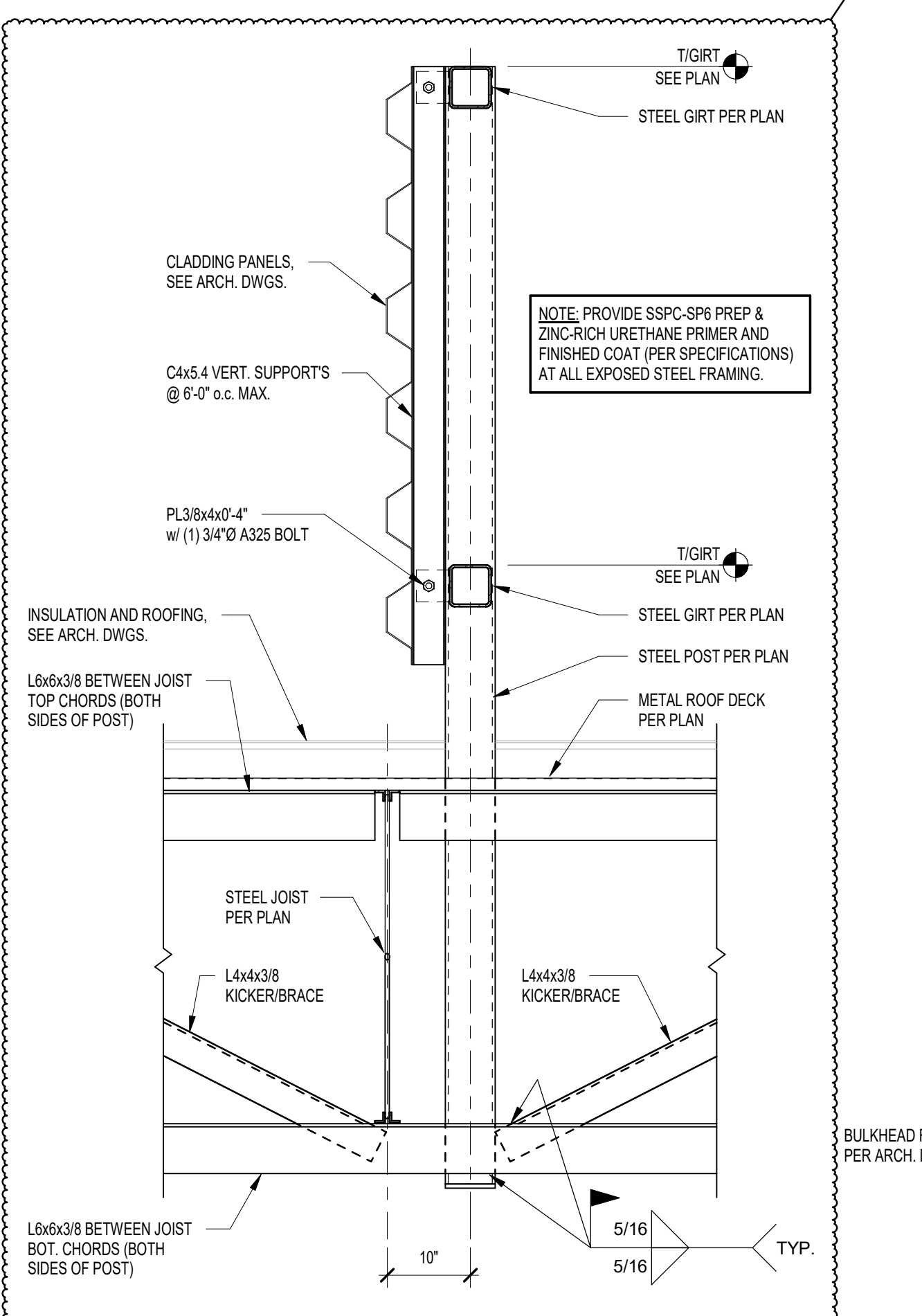
**4 FRAMING SECTION**  
3/4" = 1'-0"



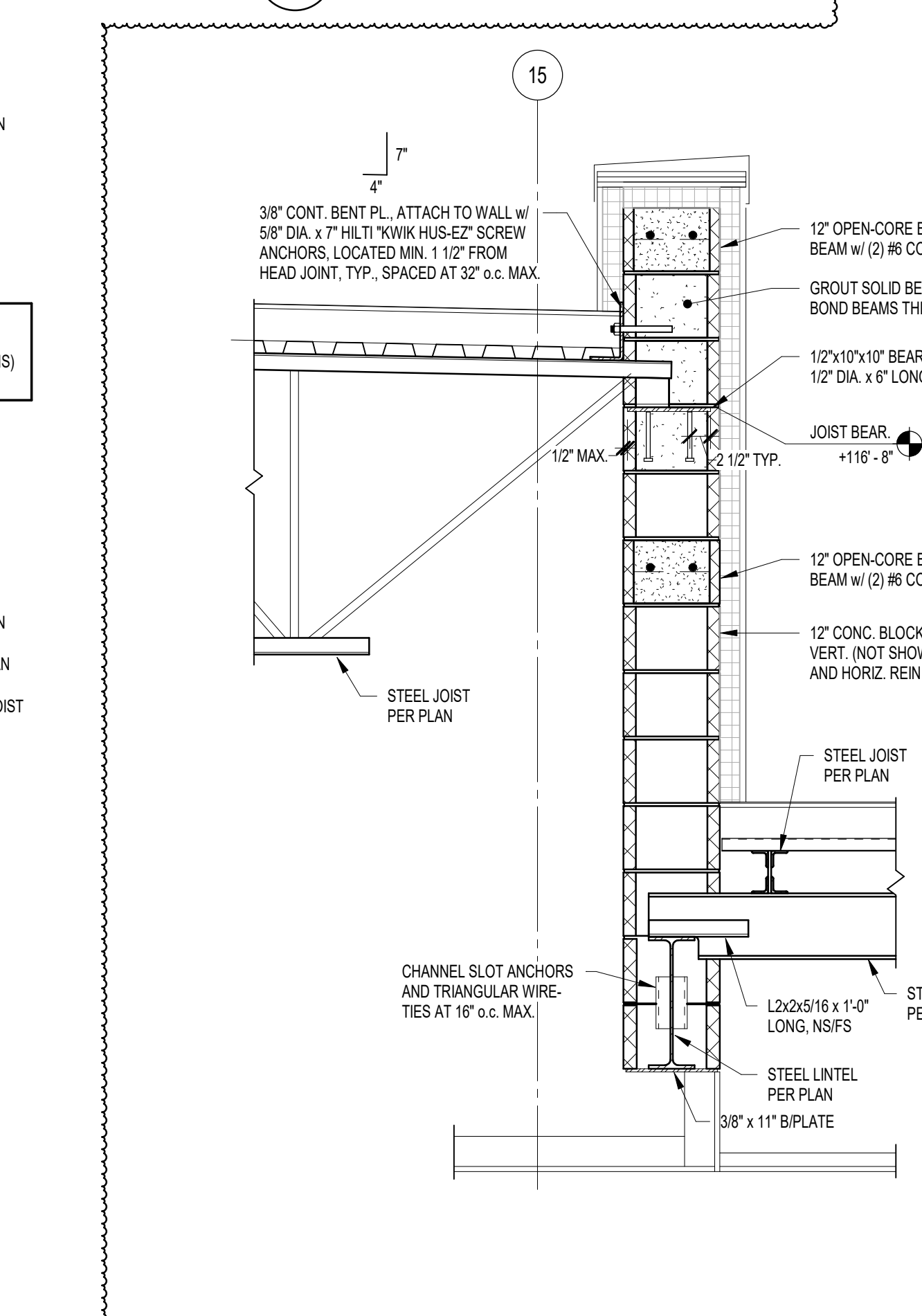
**1 FRAMING SECTION**  
3/4" = 1'-0"



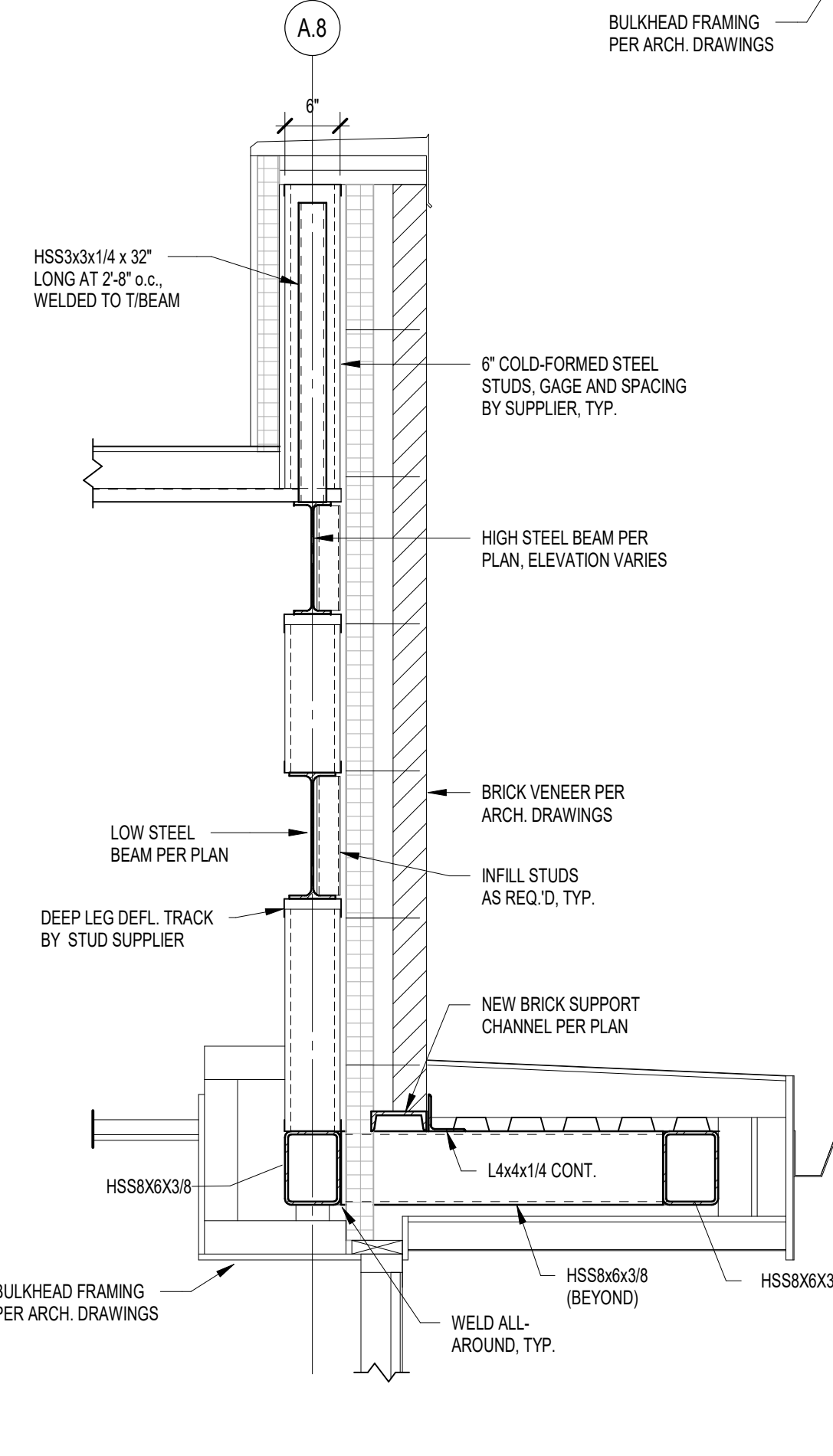
**8 FRAMING SECTION**  
3/4" = 1'-0"



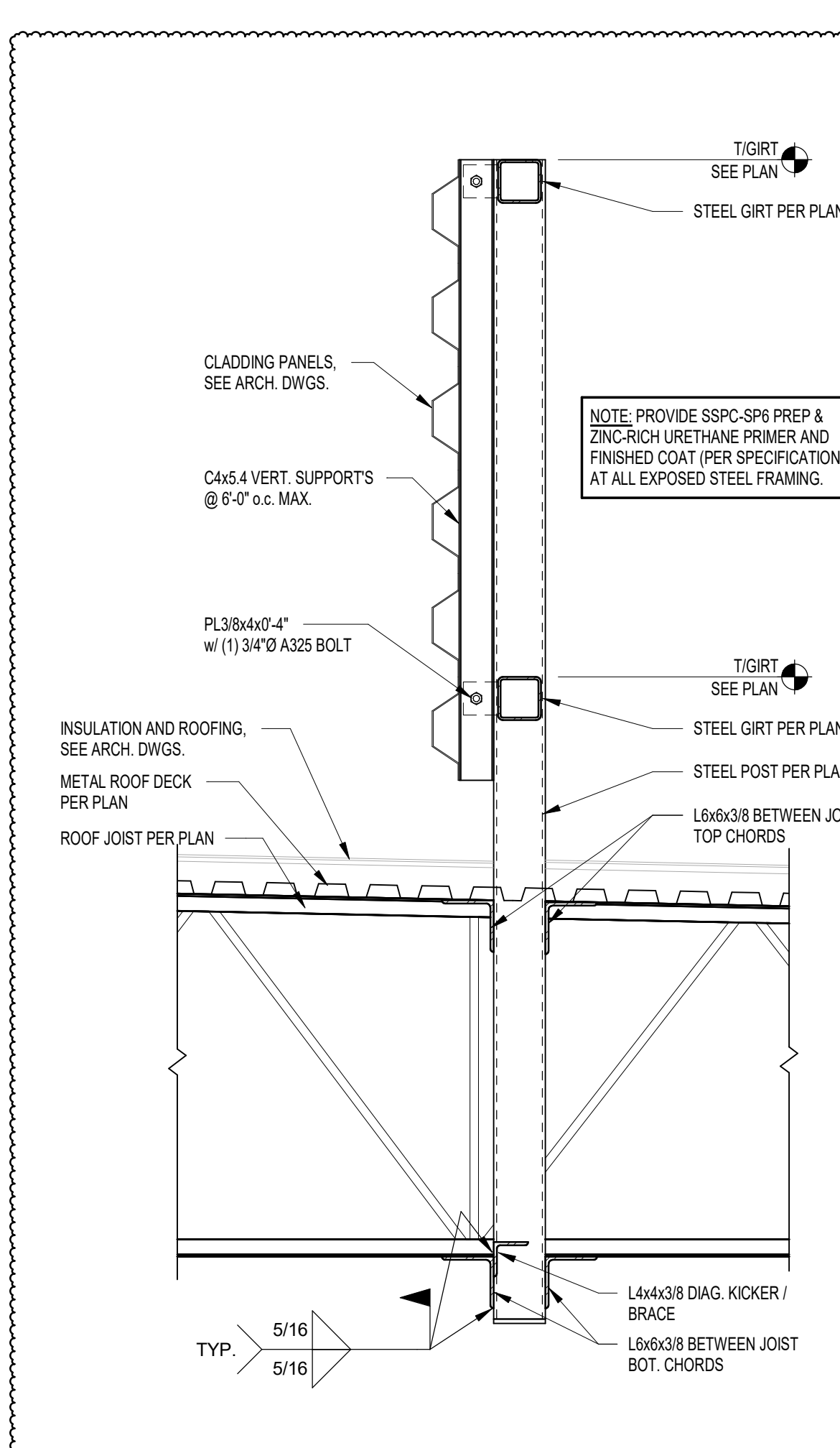
**10 FRAMING SECTION**  
3/4" = 1'-0"



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

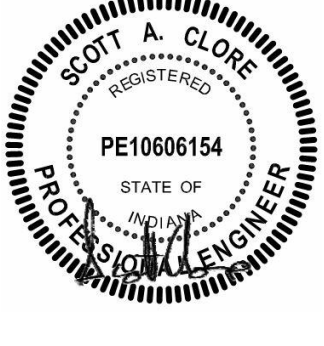


**7 FRAMING SECTION**  
3/4" = 1'-0"



**11 FRAMING SECTION**  
3/4" = 1'-0"

PROJECT: 24-142  
DATE: March 5, 2025  
COORDINATED BY: NHF  
DRAWN BY: NHF  
CHECKED BY: SAC



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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	03.14.2025	ADDENDUM 1

DRAWING: STRUCTURAL FRAMING SECTIONS

PROJECT: Porter Lakes Elementary School Addition, Renovations and Related Work  
SHEET: S-413

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**GIBRALTAR**  
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

Porter Lakes  
Elementary  
School Addition,  
Renovations and  
Related Work

FOR:

Porter Township

208 S 725 W, Hebron, IN 46341

**GIBRALTAR DESIGN**

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Homepage: www.GibraltarDesign.com  
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PROJECT

24-142

DATE

March 5, 2025

COORDINATED BY

Designer

DRAWN BY

Author

CHECKED BY

Checker

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REVISIONS

MARK DATE ISSUED FOR

AD-1 03/14/25 ADDENDUM 1

DRAWING

TYPICAL DETAILS

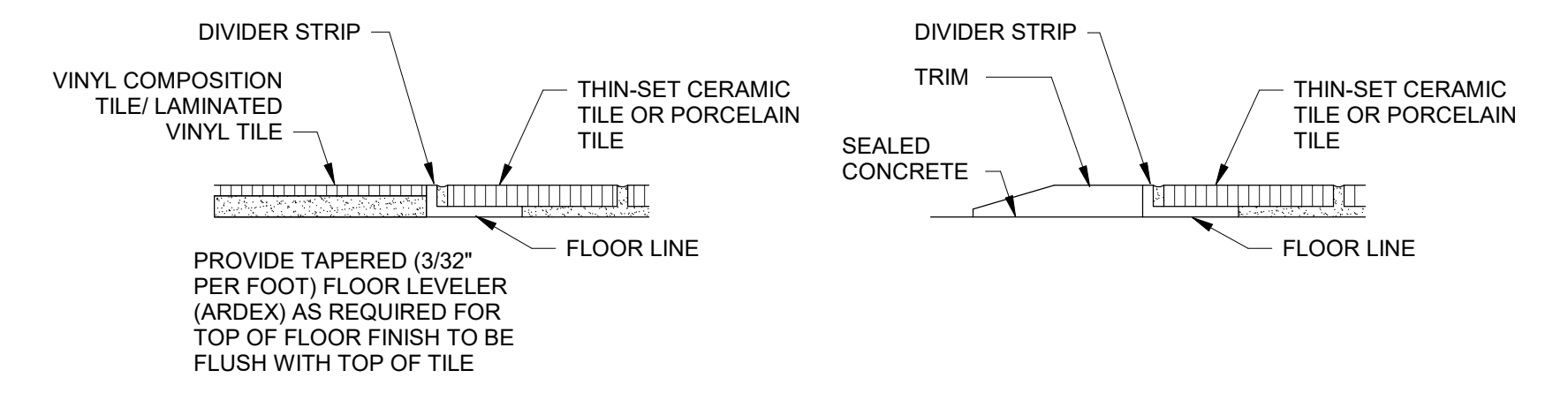
PROJECT

Porter Lakes Elementary School  
Addition, Renovations and Related  
Work

DESIGN

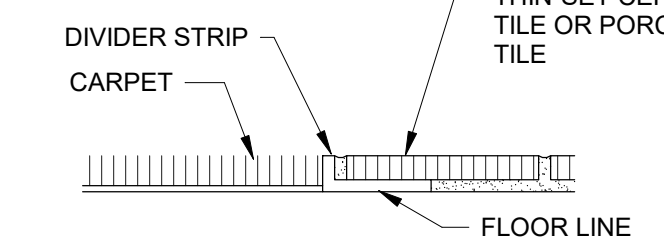
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**A501**

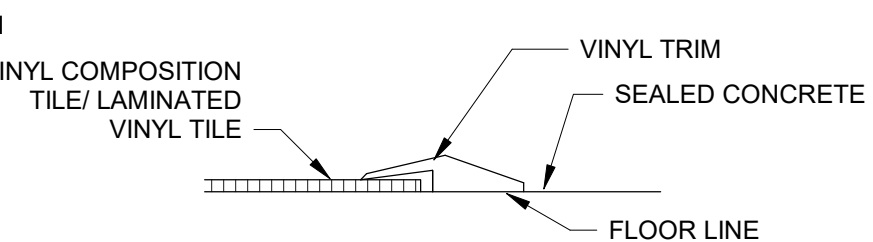


**VINYL TO CERAMIC TILE**

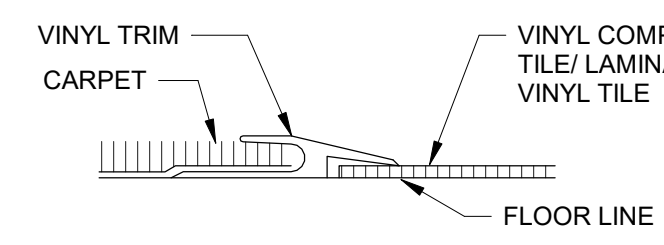
**CONCRETE TO CERAMIC TILE**



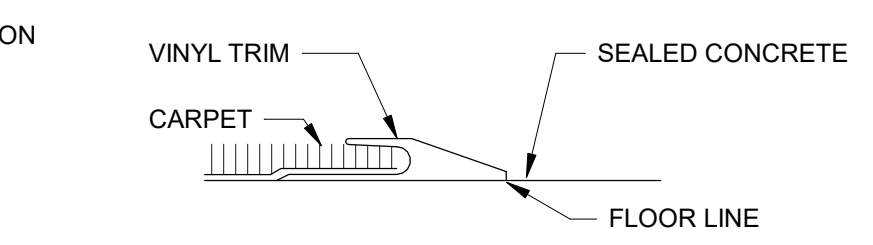
**CARPET TO CERAMIC TILE**



**VINYL TO CONCRETE**



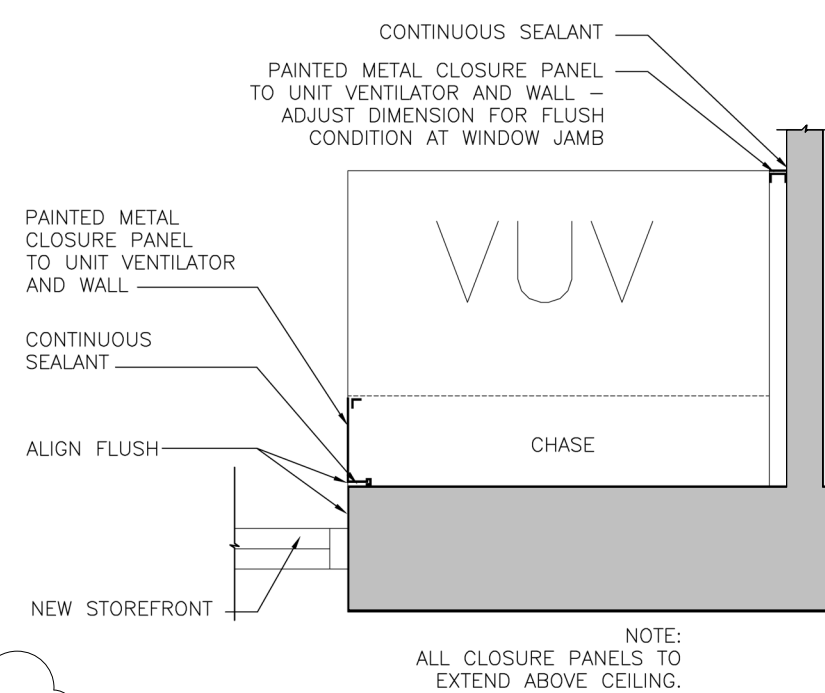
**CARPET TO VINYL**



**CARPET TO CONCRETE**

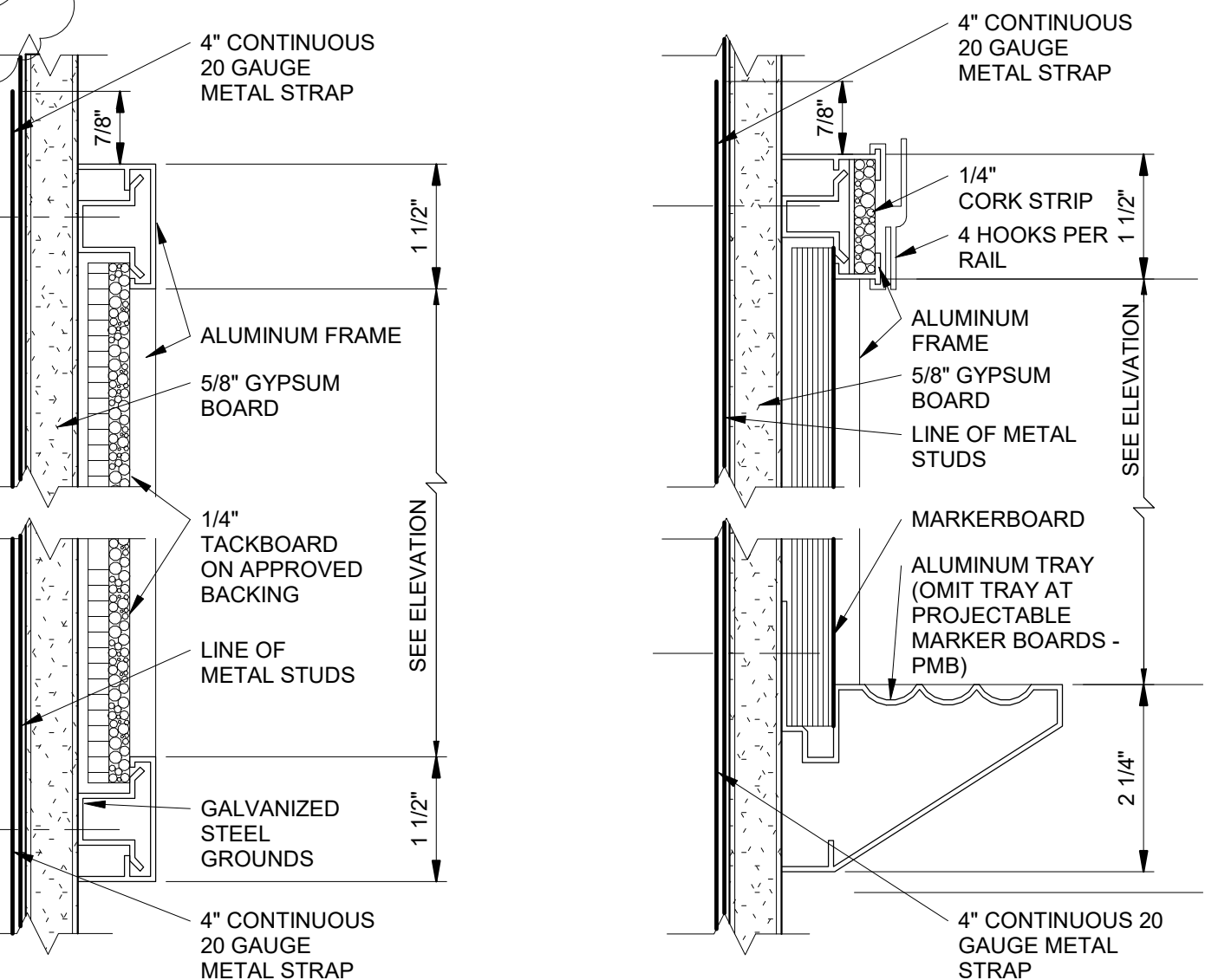
**4 FLOOR TRANSITION DETAILS**

A501 6" = 1'-0"



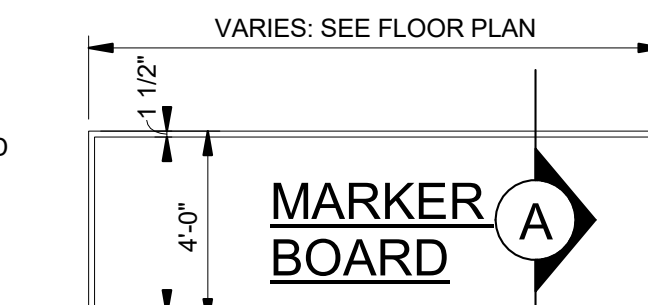
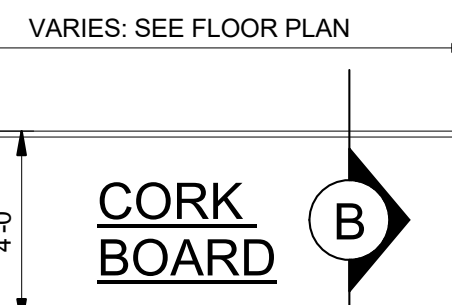
**3 VENTILATOR CHASE**

A501 3/4" = 1'-0"



**CORKBOARD "B"**

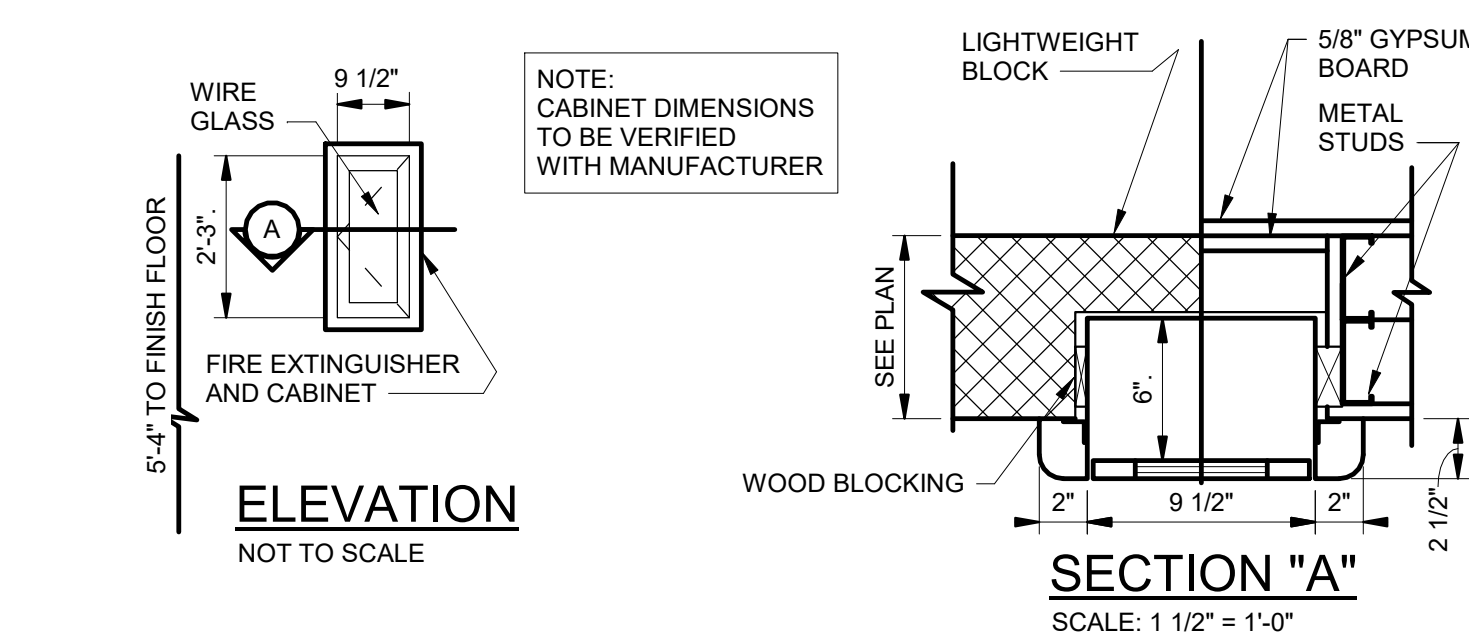
**MARKERBOARD "A"**



NOTES:  
1. SEE EQUIPMENT PLANS FOR LOCATIONS.  
2. SEE FINISH PLANS FOR WALL FINISHES.  
3. MOUNTING HEIGHT AS DIRECTED BY OWNER AND ARCHITECT.

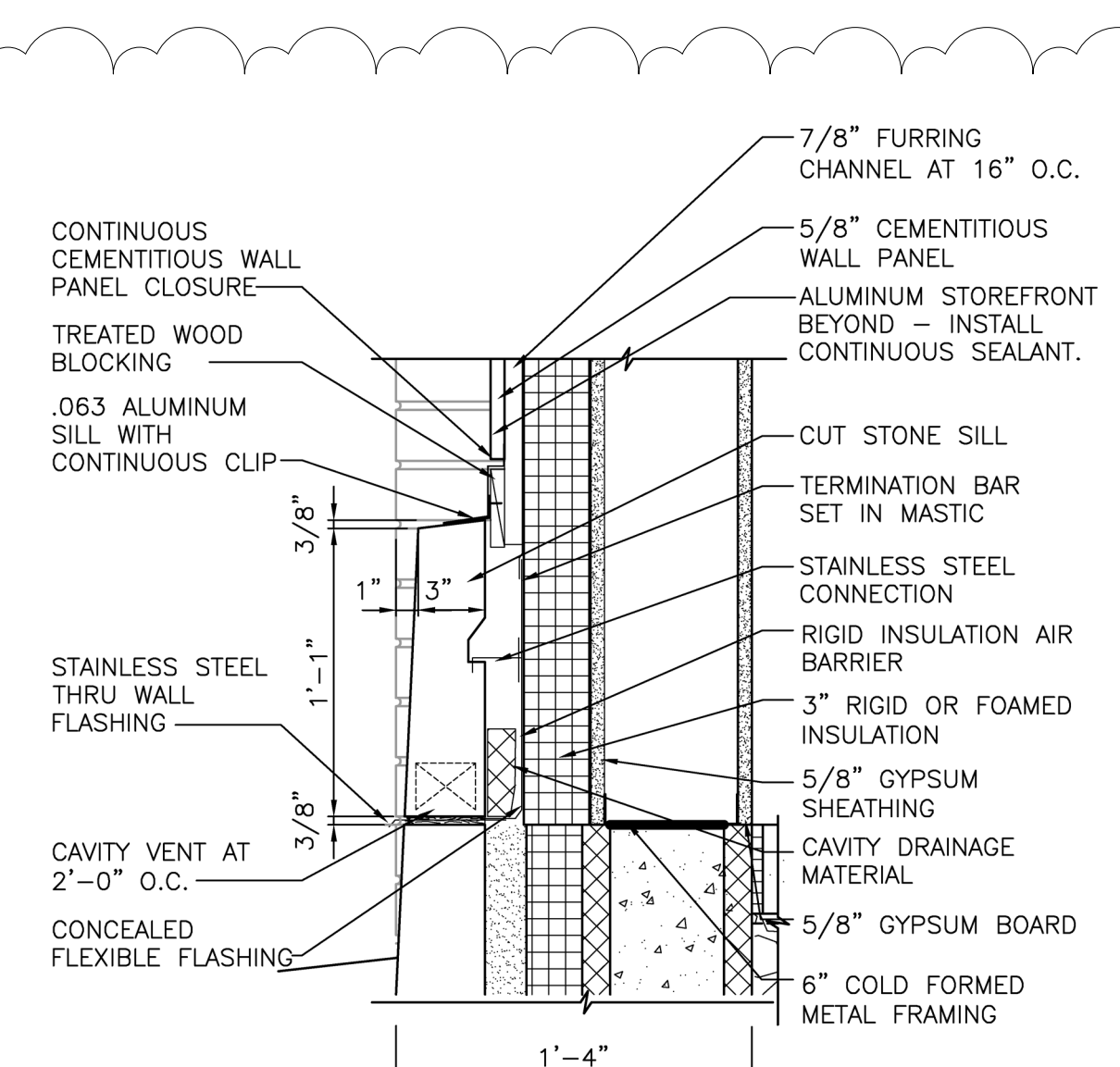
**2 MARKER/CORKBOARD ELEVATIONS**

A501 1/4" = 1'-0"



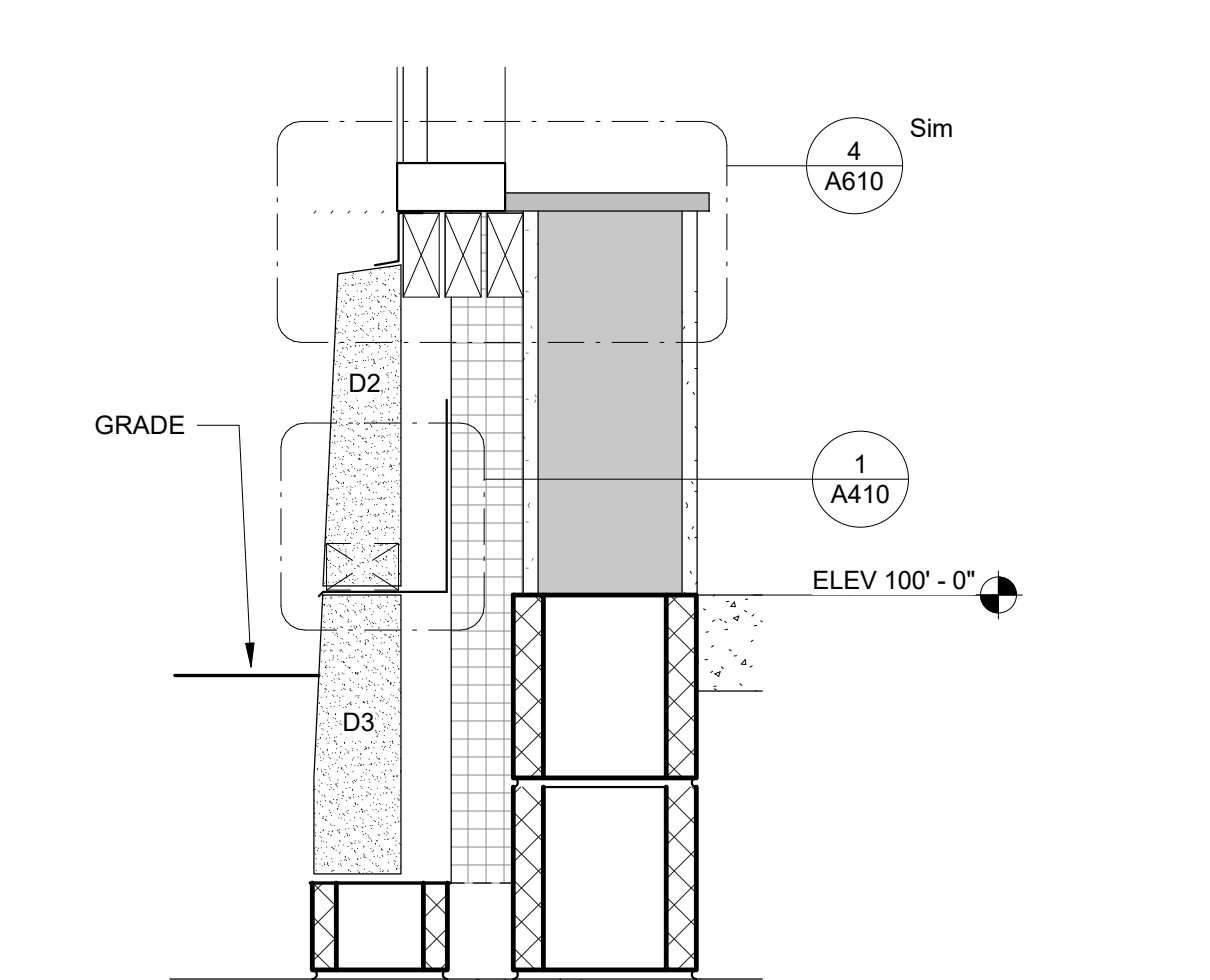
**1 SEMI-RECESSED FIRE EXTINGUISHER CABINET**

A501 1 1/2" = 1'-0"



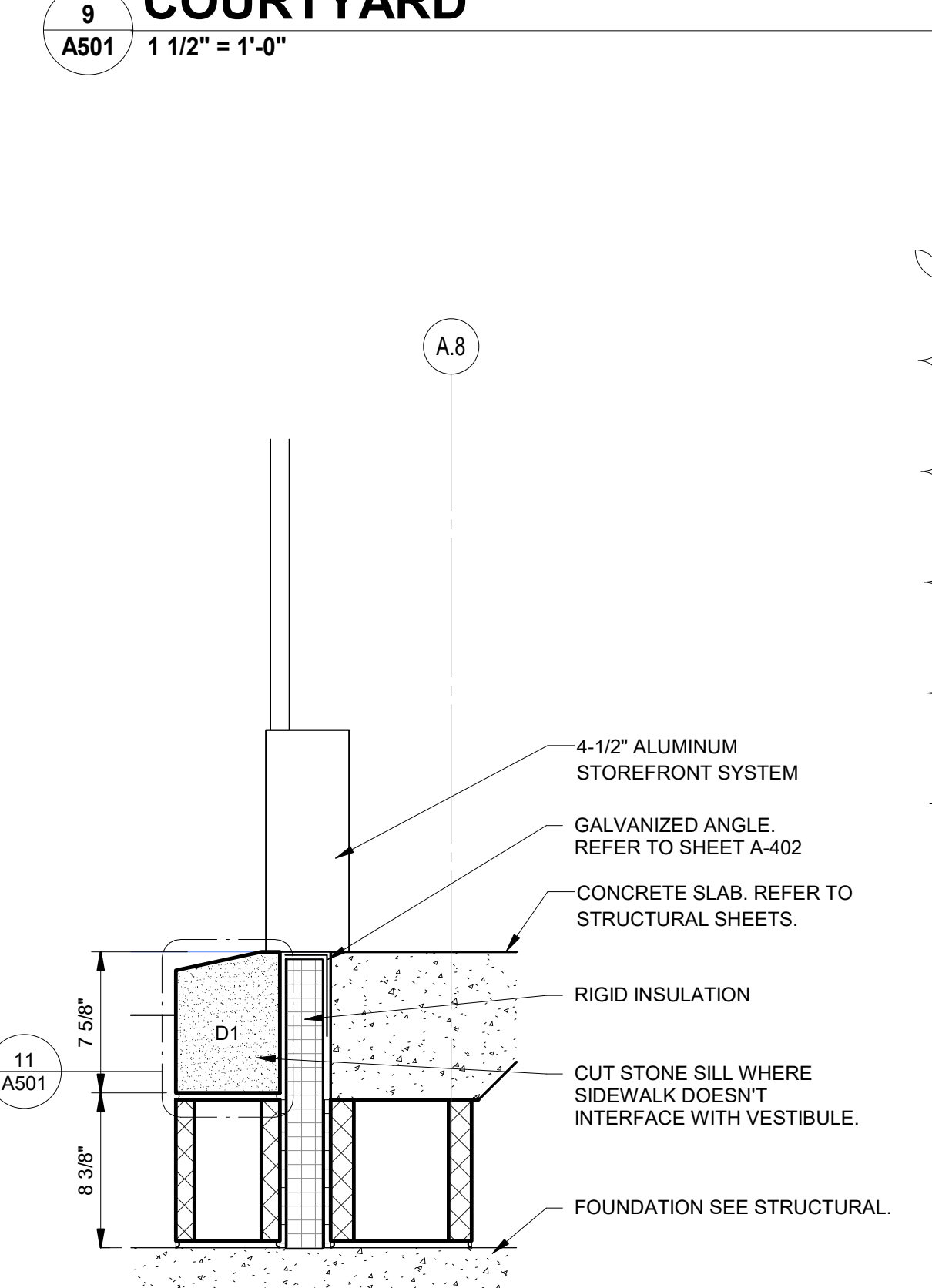
**12 SIDING TO STONE BASE DETAIL**

A501 1 1/2" = 1'-0"



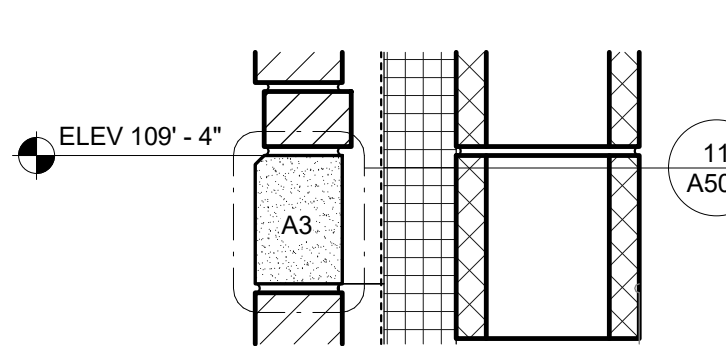
**9 CUT STONE SILL DETAIL - COURTYARD**

A501 1 1/2" = 1'-0"



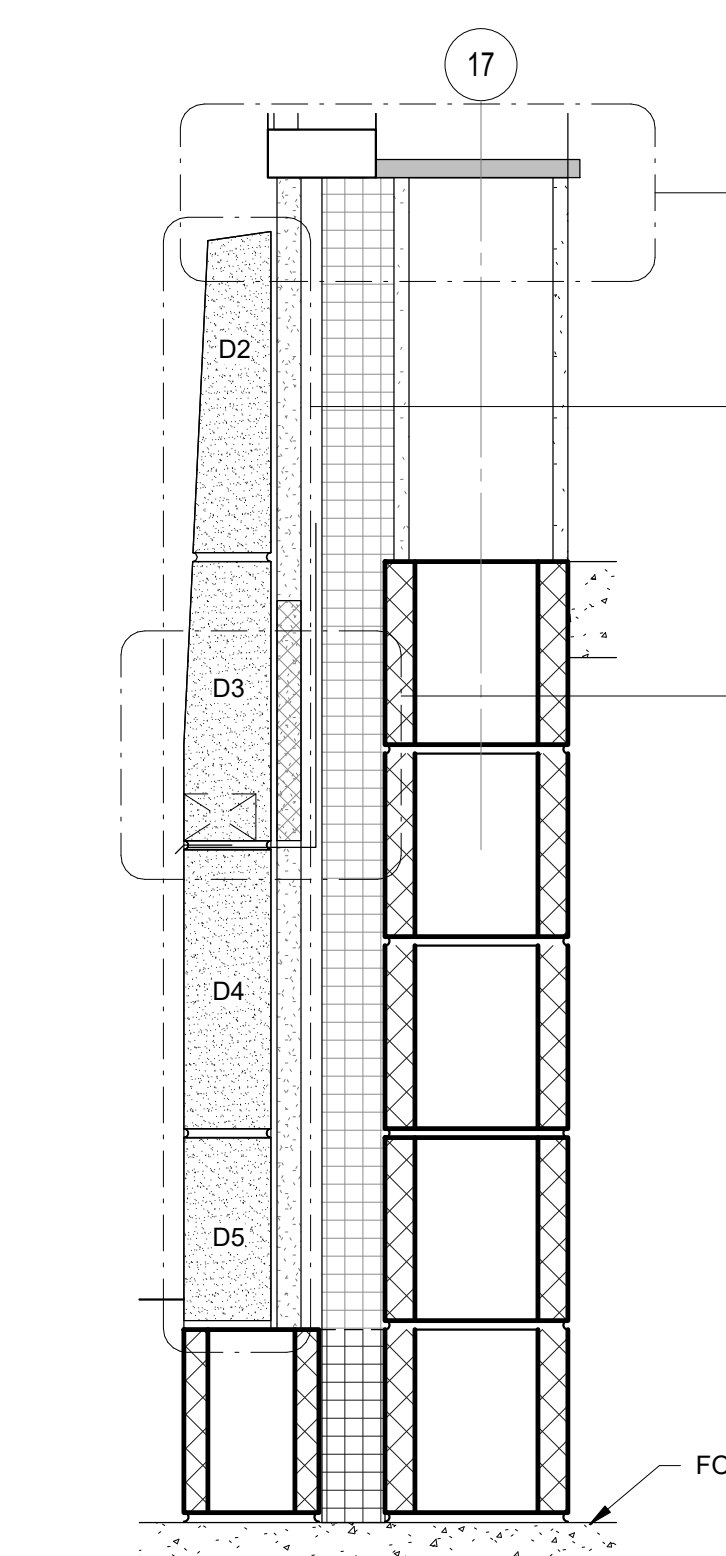
**5 CUT STONE SILL DETAIL - MAIN VESTIBULE**

A501 1 1/2" = 1'-0"



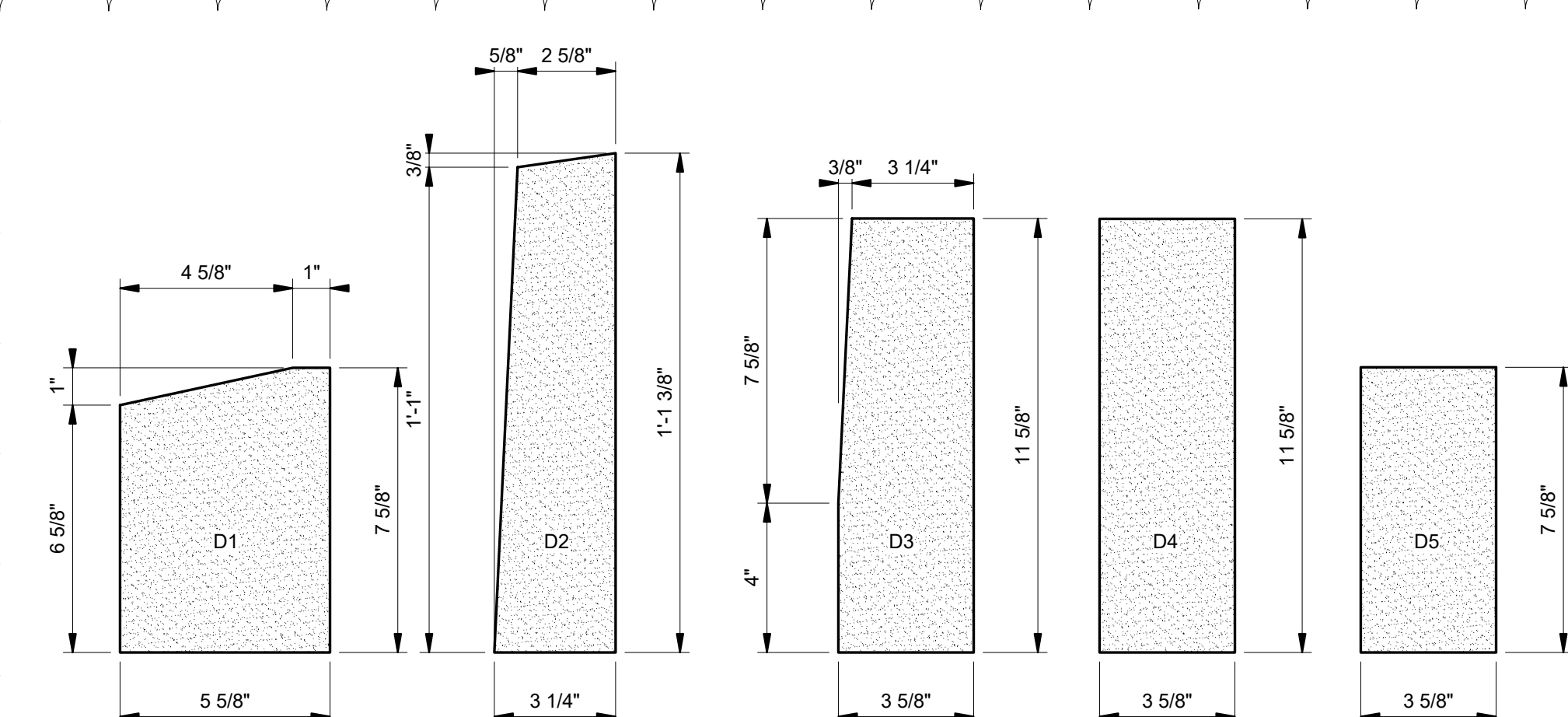
**10 CUT STONE HEAD DETAIL**

A501 1 1/2" = 1'-0"



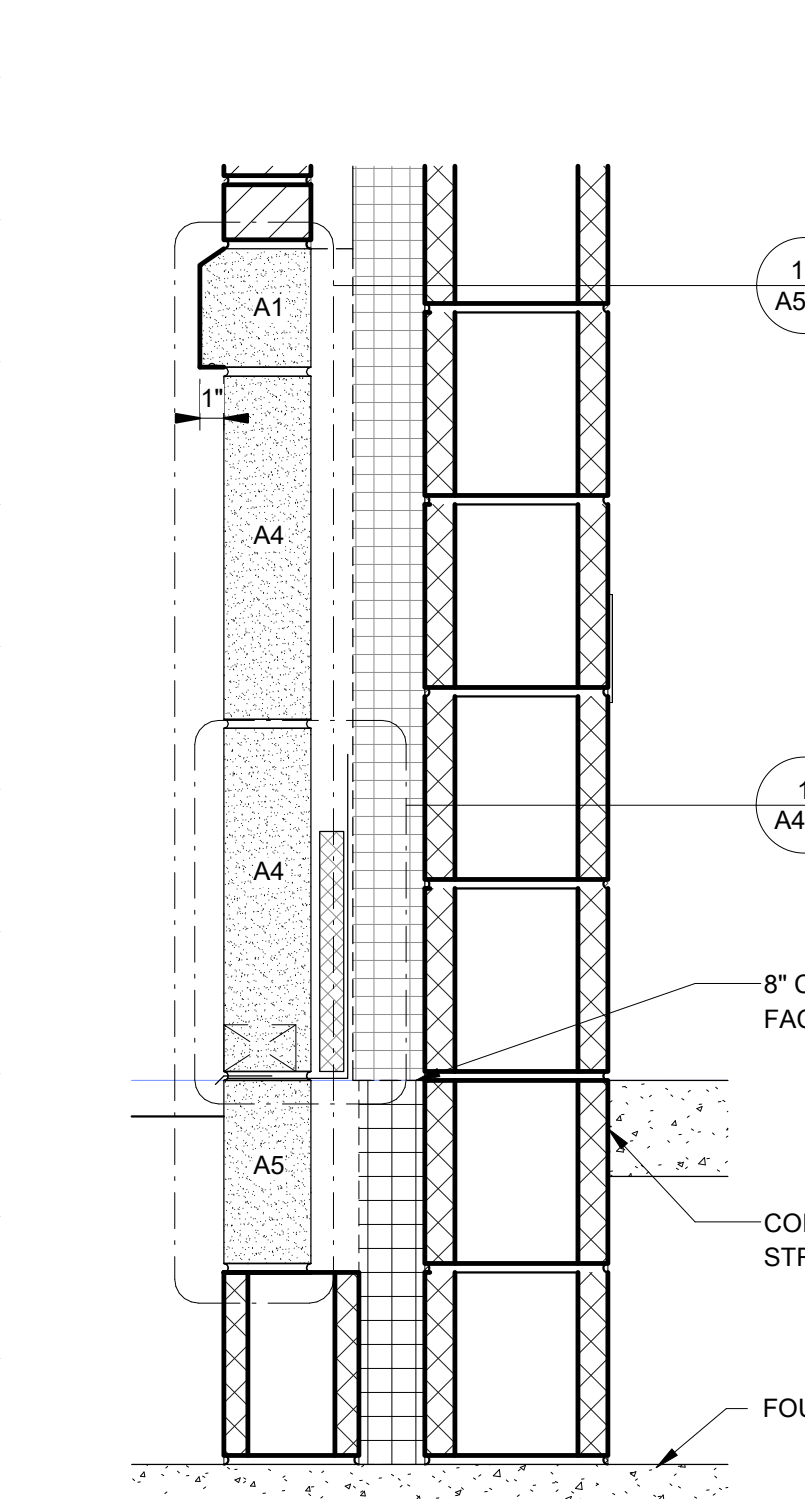
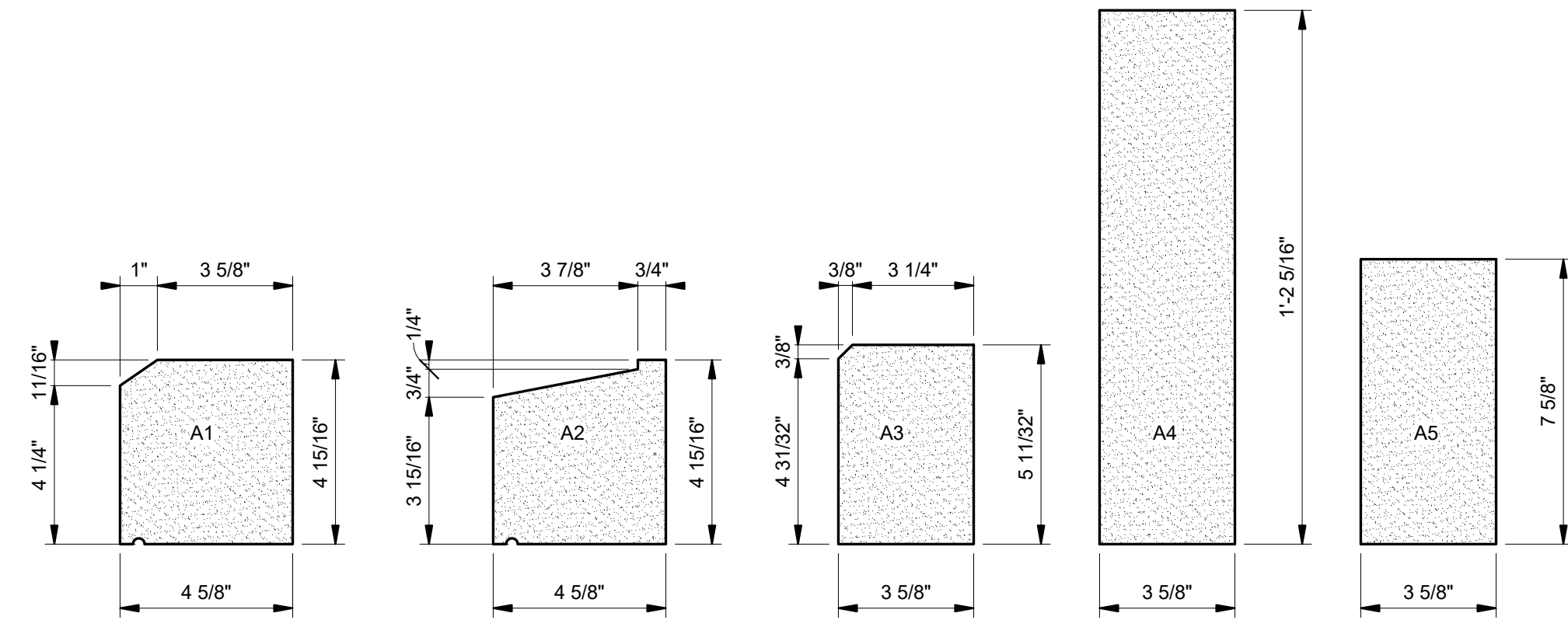
**6 CUT STONE SILL DETAIL - CLASSROOM WEST AND NORTH**

A501 1 1/2" = 1'-0"



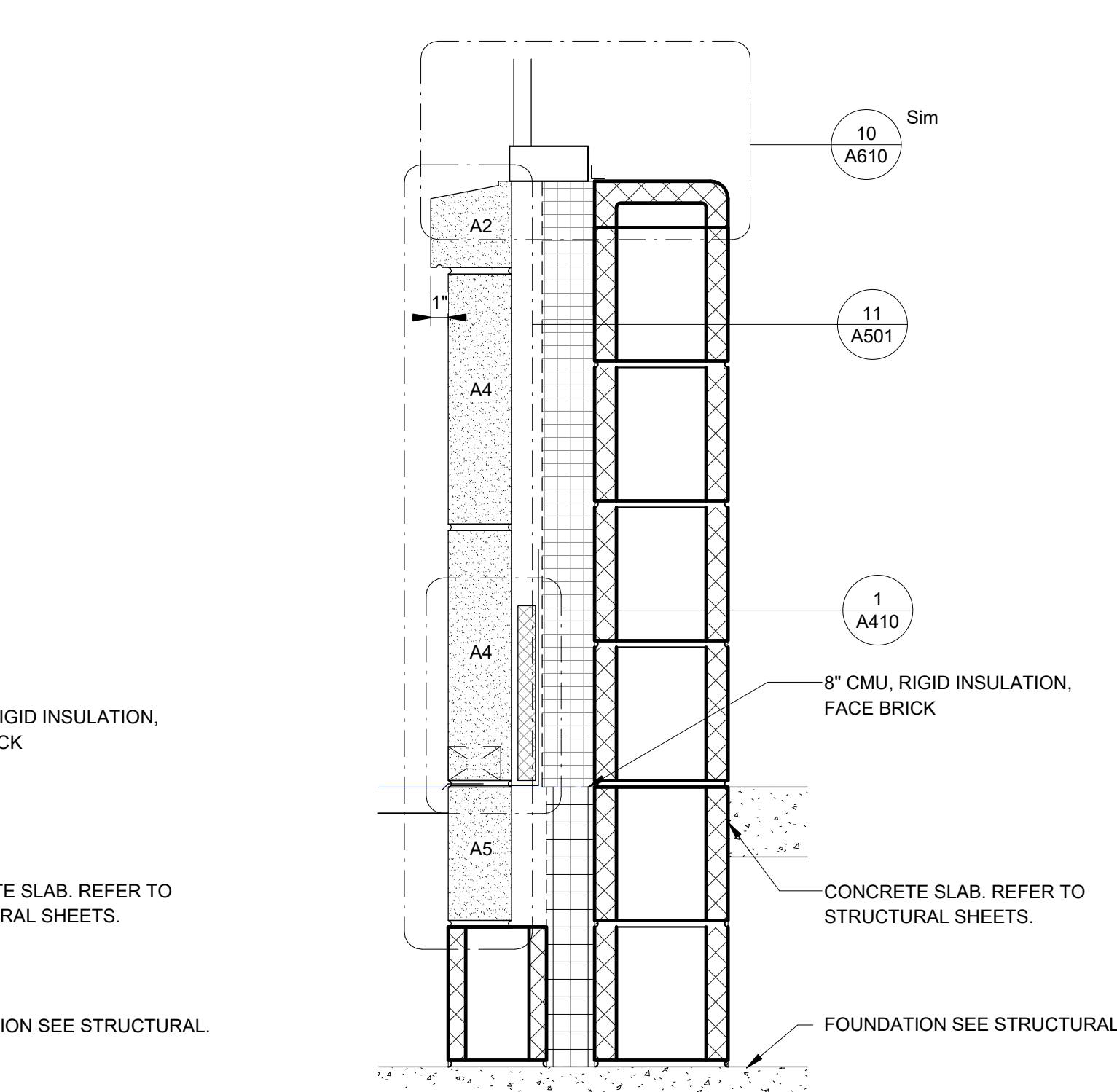
**11 CUT STONE DETAILS**

A501 3" = 1'-0"



**8 CUT STONE WALL DETAIL - CAFETERIA**

A501 1 1/2" = 1'-0"



**7 CUT STONE SILL DETAIL - CAFETERIA**

A501 1 1/2" = 1'-0"



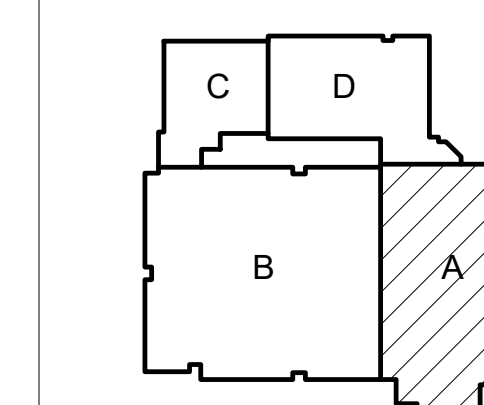


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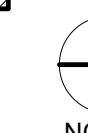
PROJECT:  
**Porter Lakes  
Elementary  
School Addition,  
Renovations and  
Related Work**

FOR:  
Porter Township

208 S 725 W, Hebron, IN 46341



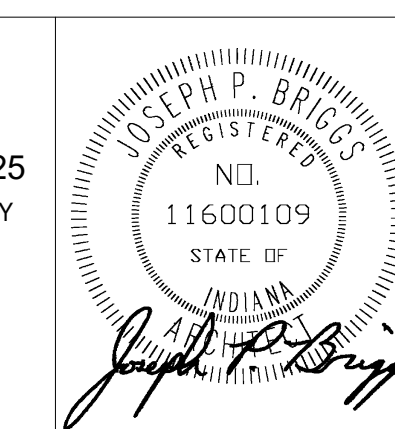
KEY PLAN



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PROJECT  
24-142  
DATE  
March 5, 2025  
COORDINATED BY  
Designer  
DRAWN BY  
Author  
CHECKED BY  
Checker



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AD-1	03/14/25	ADDENDUM 1

DRAWING  
**CEILING PLAN - AREA A**

PROJECT  
**Porter Lakes Elementary School  
Addition, Renovations and Related  
Work**

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DESIGN SHEET  
**A A901**

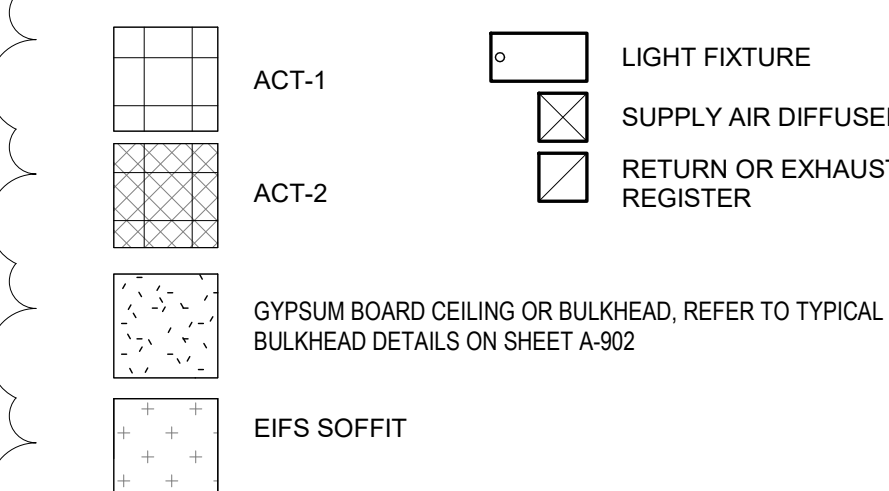
**GENERAL CEILING PLAN NOTES**

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.
- REFER TO FLOOR PLANS FOR WALL TYPES
- REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.
- REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
- REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.
- REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD TYPES AND QUANTITIES. HEADS HAVE INTENTIONALLY BEEN OMITTED FOR CLARITY.
- CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY FINAL LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.

**CEILING KEYNOTES**

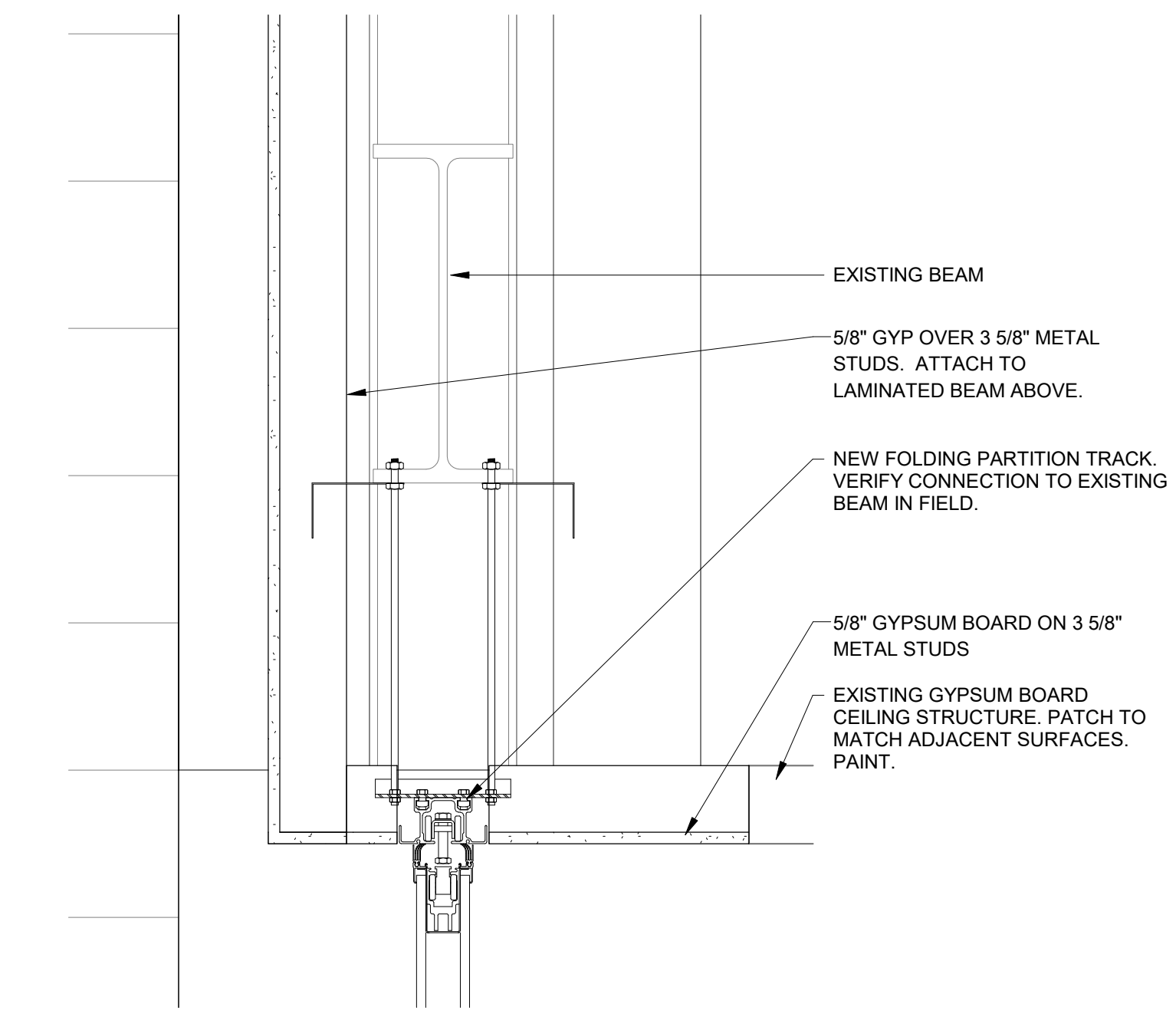
- EXISTING CEILING SYSTEM TO REMAIN.
- PAINTED GYPSUM BOARD SOFFIT / BULKHEAD. TYPICAL.
- GYPSUM BOARD BULKHEAD OUTSIDE CLASSROOMS. HOLD 2" BACK FROM FACE OF CORRIDOR WALL. REFER TO DETAILS ON SHEET A902.
- GYPSUM BOARD BULKHEAD ON 2 SIDES OF ROOF ACCESS OPENING. REFER TO DETAILS ON SHEET A902. RUN GYPSUM BOARD TO DECK ON LADDER SIDE OF BULKHEAD.
- PAINTED EIFS SOFFIT. REFER TO SECTIONS AND ELECTRICAL FOR LIGHTING WHERE APPLICABLE.
- PRIME AND PAINT LINTELS (TYPICAL)
- PROJECTOR SCREEN. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS
- AREA OF CEILING TO INTERFACE TO NEW VUV'S. REFERENCE FLOOR PLANS, SHEET A-501, AND MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
- MANUALLY OPERATED, PAIRED PANEL FOLDING PARTITION
- CEILING MOUNTED PROJECTOR. COORDINATE FINAL LOCATION WITH OWNER. REFER TO TECHNOLOGY DRAWINGS.
- NEW THEATRE CURTAIN
- 6" INTEGRATED VERTICAL METAL CEILING TRIM. REFER TO FINISH LEGEND.
- EXISTING BULKHEAD. PATCH AT NEW CONSTRUCTION. PAINT.
- PATCH EXISTING SOFFIT AT CONNECTION TO NEW SOFFIT. INSTALL EXPANSION JOINT. PAINT PATCHED SOFFIT BACK TO NEXT EXISTING JOINT.
- GYPSUM BOARD OVER 3 5/8" STUDS AT HEADER OF COILING DOOR OPENING. EXTEND GYPSUM BOARD FROM TOP OF OPENING TO SOFFIT AT 10FT AFF. FACE OF GYPSUM BOARD AT CMU ABOVE AND TO THE SIDE OF THE OPENING TO BE INSTALLED OVER 7/8" METAL FURRING. PAINT.
- AT NEW EXHAUST VENT IN EXISTING SOFFIT. PATCH PLASTER SOFFIT TO MATCH EXISTING SURFACES. PAINT FROM CONTROL JOINT TO CONTROL JOINT.

**CEILING LEGEND**



**1 CEILING PLAN AREA A**  
1/8" = 1'-0"

**2 FOLDING PARTITION HEAD DETAIL**  
1 1/2" = 1'-0"







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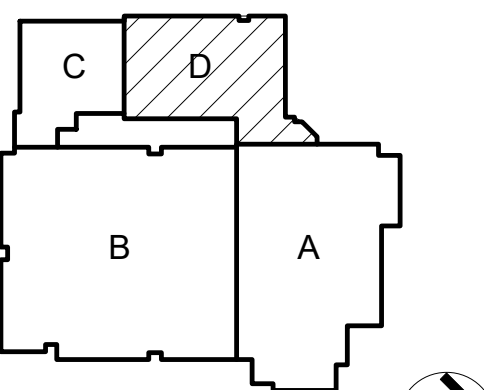
PROJECT:

**Porter Lakes Elementary School Addition, Renovations and Related Work**

FOR:

Porter Township

208 S 725 W, Hebron, IN 46341



KEY PLAN



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PROJECT

24-142

DATE

March 5, 2025

COORDINATED BY

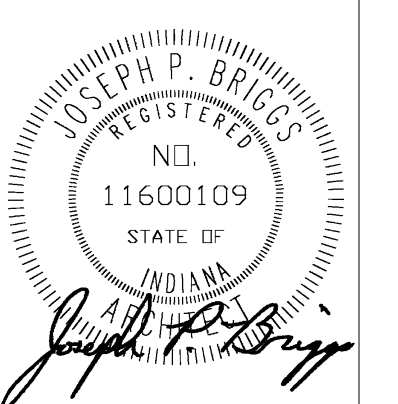
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DRAWING  
CEILING PLAN - AREA D

PROJECT  
Porter Lakes Elementary School Addition, Renovations and Related Work

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**D A902**

**GENERAL CEILING PLAN NOTES**

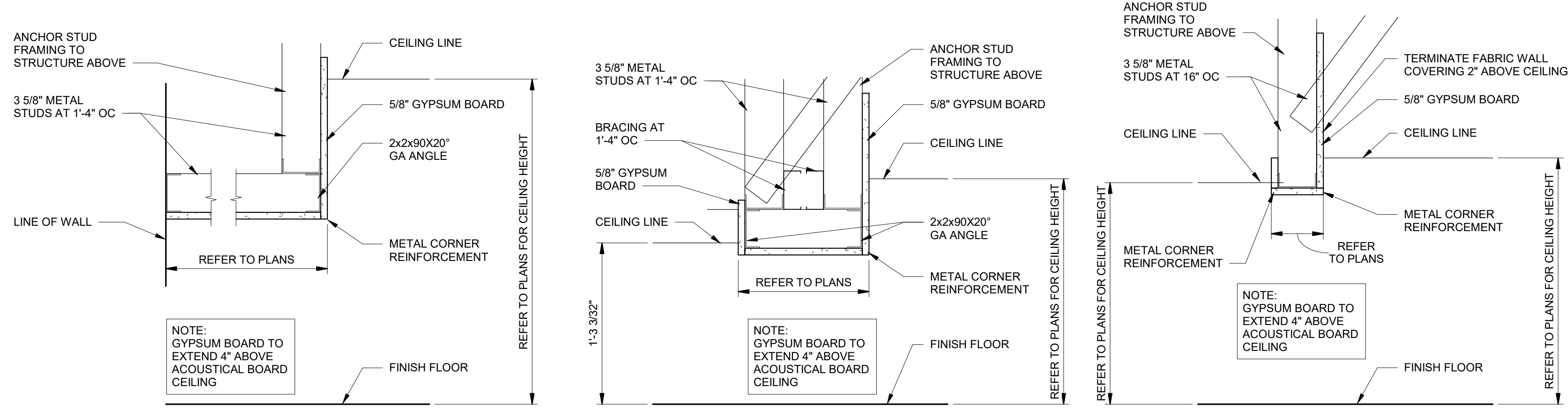
- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.
- D. REFER TO FLOOR PLANS FOR WALL TYPES
- E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.
- F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
- G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.
- H. REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD TYPES AND QUANTITIES. HEADS HAVE INTENTIONALLY BEEN OMITTED FOR CLARITY.
- I. CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY FINAL LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.

**CEILING KEYNOTES**

- C01 EXISTING CEILING SYSTEM TO REMAIN - PAINTED GYPSUM BOARD SOFFIT / BULKHEAD, TYPICAL
- C02 GYPSUM BOARD BULKHEAD OUTSIDE CLASSROOMS. HOLD 2" BACK FROM FACE OF CORRIDOR WALL. REFER TO DETAILS ON SHEET A902
- C03 GYPSUM BOARD BULKHEAD ON 2 SIDES OF ROOF ACCESS OPENING. REFER TO DETAILS ON SHEET A902. RUN GYPSUM BOARD TO DECK ON LADDER SIDE OF BULKHEAD.
- C04 PAINTED EIFS SOFFIT. REFER TO SECTIONS AND ELECTRICAL FOR LIGHTING WHERE APPLICABLE.
- C05 PRIME AND PAINT LINTELS (TYPICAL)
- C06 PROJECTOR SCREEN. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS
- C07 AREA OF CEILING TO INTERFACE TO NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501, AND MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
- C08 GYPSUM BOARD OVER 3/8" STUDS AT HEADER OF COILING DOOR OPENING. EXTEND GYPSUM BOARD FROM TOP OF OPENING TO SOFFIT AT 10" AFF. FACE OF GYPSUM BOARD AT CMU ABOVE AND TO THE SIDE OF THE OPENING TO BE INSTALLED OVER 7/8" METAL FURRING. PAINT.
- C09 MANUALLY OPERATED, PAIRED PANEL FOLDING PARTITION
- C10 CEILING MOUNTED PROJECTOR. COORDINATE FINAL LOCATION WITH OWNER. REFER TO TECHNOLOGY DRAWINGS.
- C11 NEW THEATRE CURTAIN
- C12 8" INTEGRATED VERTICAL METAL CEILING TRIM. REFER TO FINISH LEGEND.
- C13 EXISTING BULKHEAD. PATCH AT NEW CONSTRUCTION. PAINT.
- C14 PATCH EXISTING SOFFIT AT CONNECTION TO NEW SOFFIT. INSTALL EXPANSION JOINT. PAINT PATCHED SOFFIT BACK TO NEXT EXISTING JOINT.
- C15 GYPSUM BOARD OVER 3/8" STUDS AT HEADER OF COILING DOOR OPENING. EXTEND GYPSUM BOARD FROM TOP OF OPENING TO SOFFIT AT 10" AFF. FACE OF GYPSUM BOARD AT CMU ABOVE AND TO THE SIDE OF THE OPENING TO BE INSTALLED OVER 7/8" METAL FURRING. PAINT.
- C16 AT NEW EXHAUST VENT IN EXISTING SOFFIT, PATCH PLASTER SOFFIT TO MATCH EXISTING SURFACES. PAINT FROM CONTROL JOINT TO CONTROL JOINT.

**CEILING LEGEND**

	ACT-1		LIGHT FIXTURE
	ACT-2		SUPPLY AIR DIFFUSER
	GYPSUM BOARD CEILING OR BULKHEAD, REFER TO TYPICAL BULKHEAD DETAILS ON SHEET A-902		
	EIFS SOFFIT		RETURN OR EXHAUST REGISTER



**DETAIL "C"**

**DETAIL "B"**

**DETAIL "A"**

**2 A902 1 1/2" = 1'-0"**  
**TYPICAL GYPSUM BOARD BULKHEAD DETAILS**



**1 A902 1/8" = 1'-0"**  
**CEILING PLAN AREA D**

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- SHEET NOTES**
- 4" SANITARY UP TO WATER CLOSET.
  - 1 1/2" SANITARY UP TO LAVATORY.
  - 4" SANITARY UP TO FLOOR DRAIN.
  - 2" SANITARY UP SINK.
  - 1 1/2" SANITARY UP TO ELECTRIC WATER COOLER.
  - NOT USED



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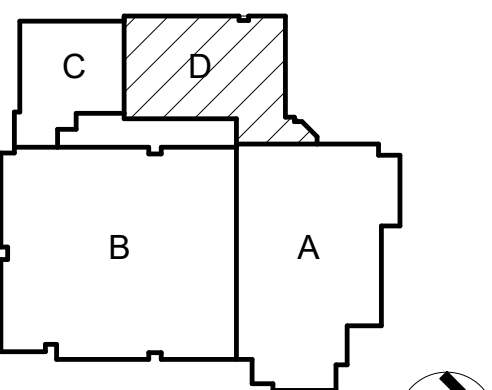


PROJECT:

Porter Lakes Elementary School Addition, Renovations and Related Work

FOR:  
Porter Township

208 S 725 W, Hebron, IN 46341



KEY PLAN  
NORTH

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PROJECT 24-142  
DATE March 5, 2025  
COORDINATED BY LVB  
DRAWN BY CA  
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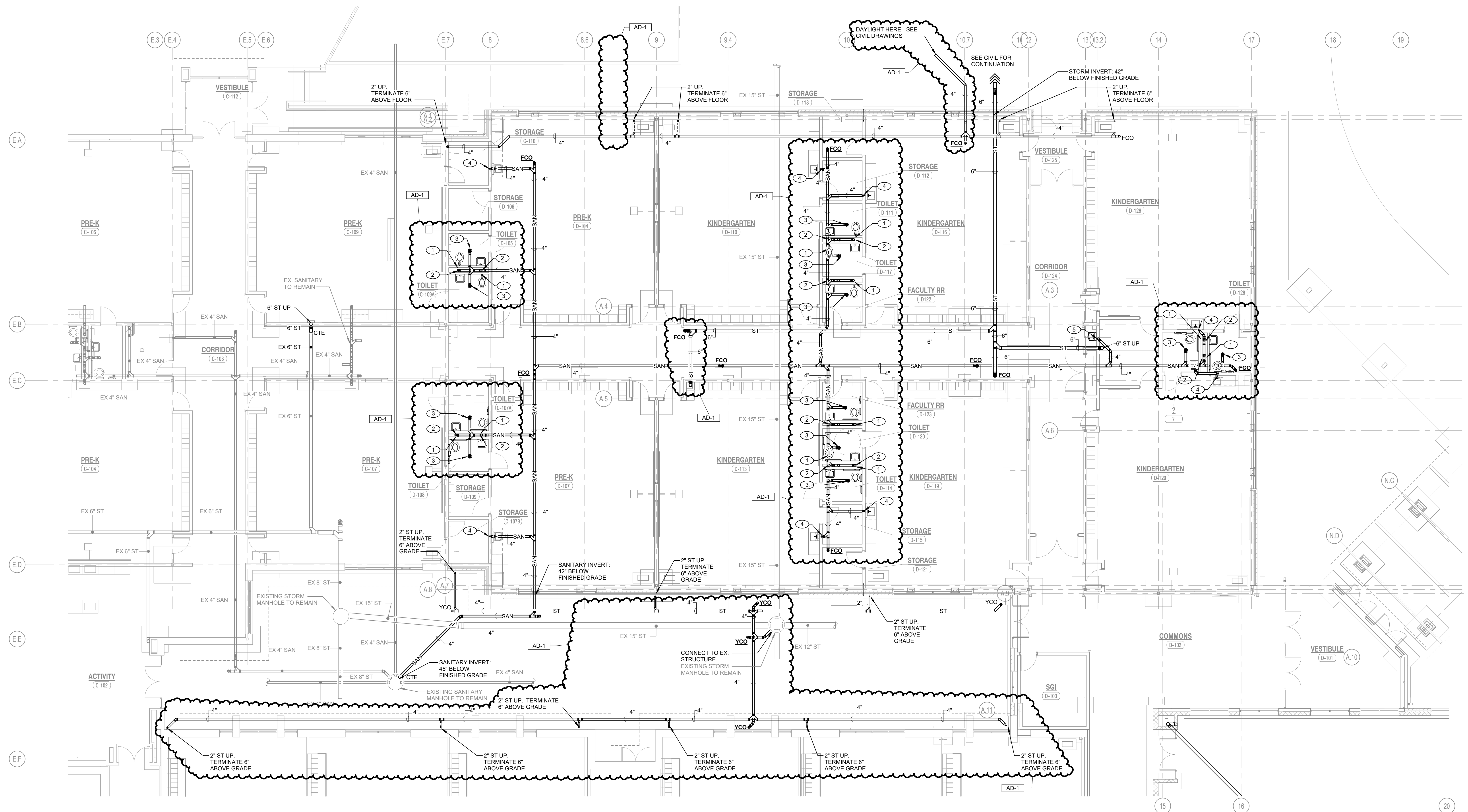
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	3/14/25	ADDENDUM NO.1

DRAWING  
FIRST FLOOR PLUMBING UNDERFLOOR PLAN - AREA D

PROJECT  
Porter Lakes Elementary School Addition, Renovations and Related Work

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**D P-102**



**1 FIRST FLOOR PLUMBING UNDERFLOOR PLAN - AREA D**  
P-102 1/8" = 1'-0"

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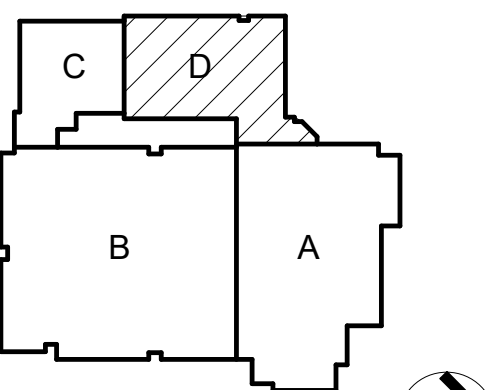
PROJECT:

**Porter Lakes  
Elementary  
School Addition,  
Renovations and  
Related Work**

FOR:  
Porter Township

208 S 725 W, Hebron, IN 46341

- SHEET NOTES**
1. 1/2" COLD WATER, 1/2" HOT WATER, AND 1 1/2" VENT DOWN TO LAVATORY
  2. 1 1/2" COLD WATER AND 2" VENT DOWN TO WATER CLOSET
  3. 1/2" COLD WATER, 1/2" HOT WATER, AND 1 1/2" VENT DOWN TO SINK
  4. 1/2" COLD WATER AND 1 1/2" VENT DOWN TO ELECTRIC WATER COOLER
  5. 3/4" COLD WATER DOWN TO SILL COCK



KEY PLAN  
NORTH

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PROJECT  
24-142

DATE  
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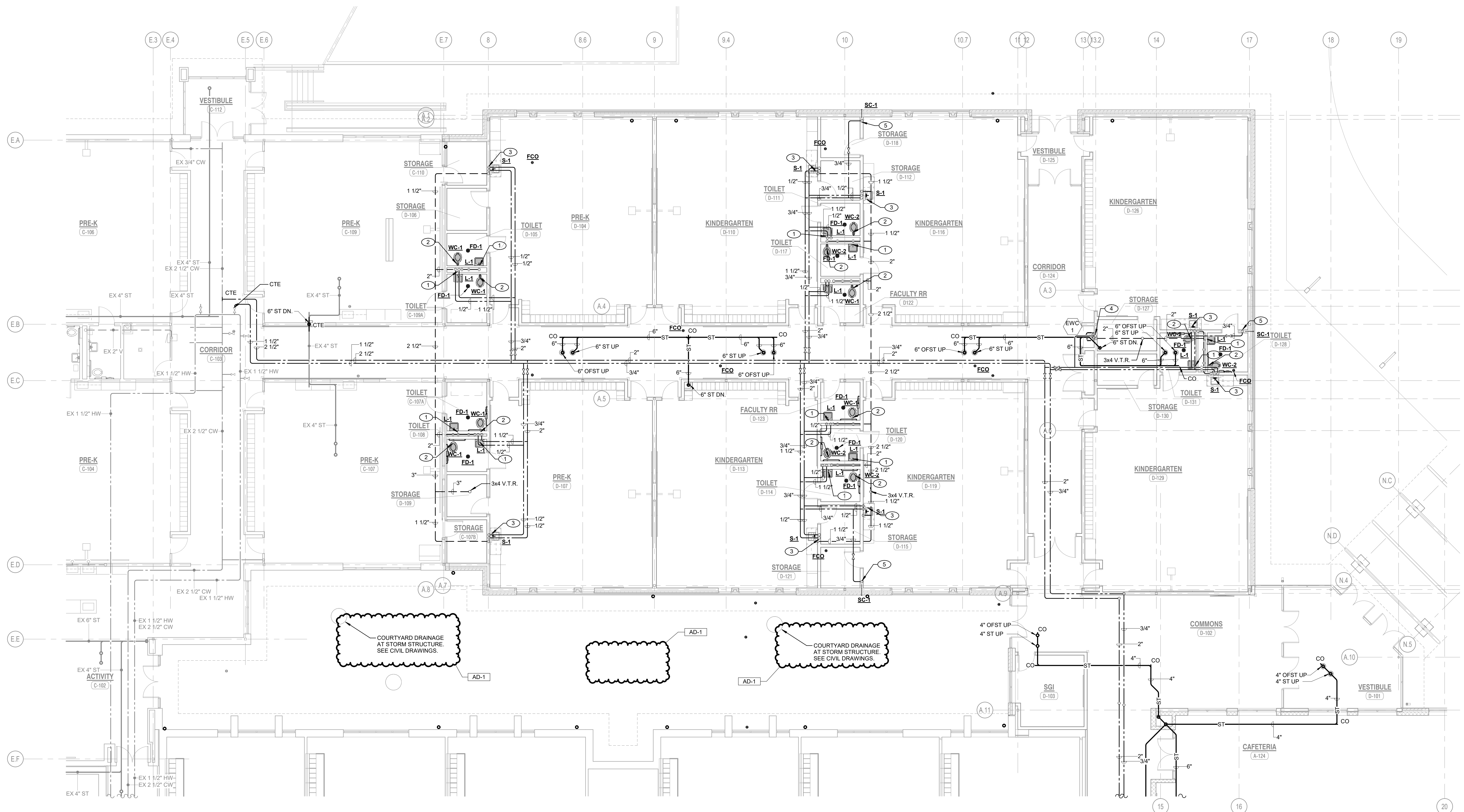
DRAWING  
**FIRST FLOOR PLUMBING  
FLOOR PLAN - AREA D**

PROJECT  
Porter Lakes Elementary School  
Addition, Renovations and Related  
Work

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DESIGN SHEET

**D P-104**

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**1**  
**P-104** **FIRST FLOOR PLUMBING FLOOR PLAN - AREA D**  
1/8" = 1'-0"

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PROJECT:

**Porter Lakes  
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Related Work**

FOR:  
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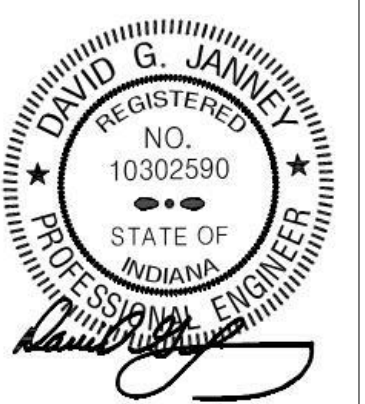
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DRAWING  
**ENLARGED PLUMBING PLANS**

PROJECT  
Porter Lakes Elementary School  
Addition, Renovations and Related  
Work

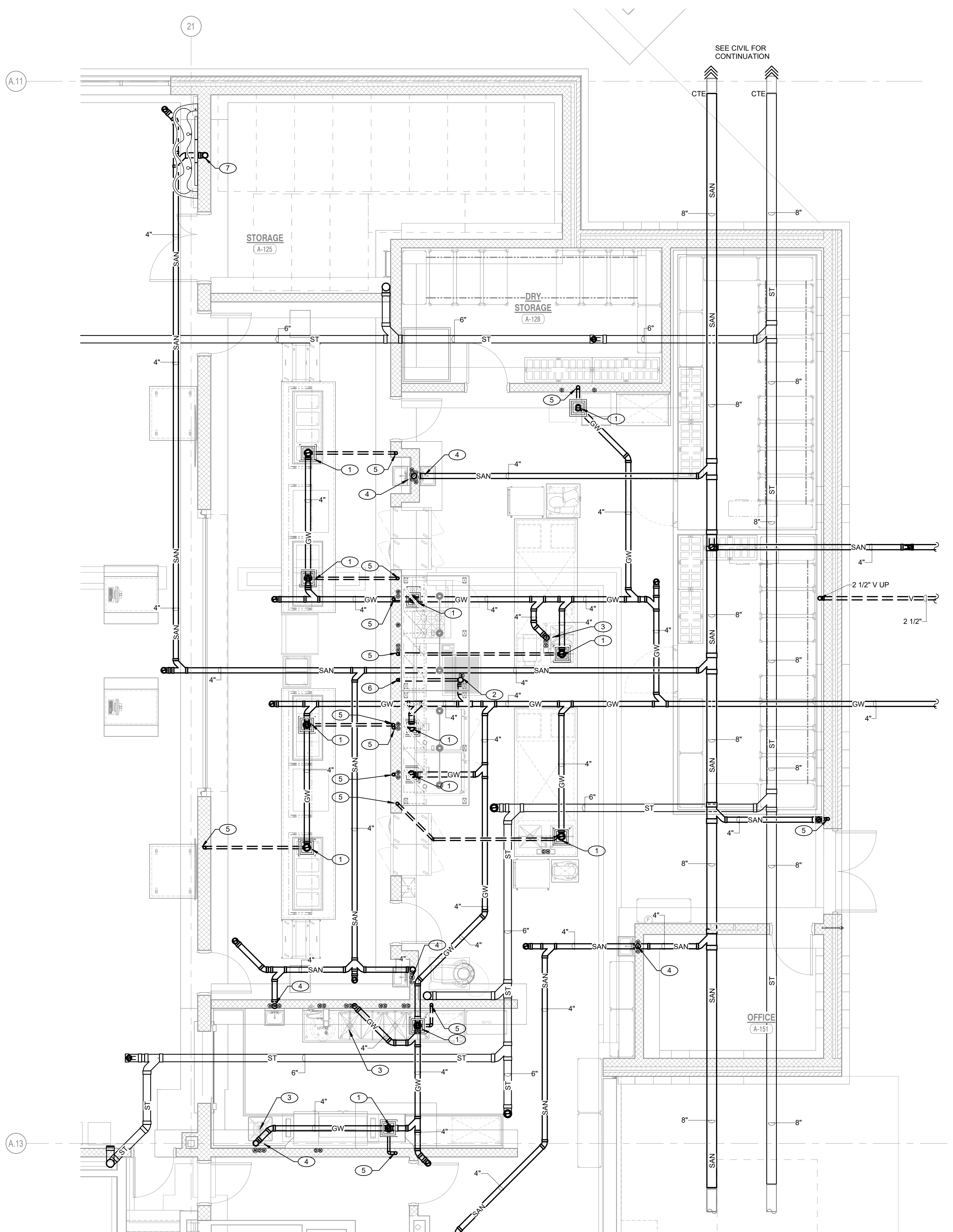
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SHEET

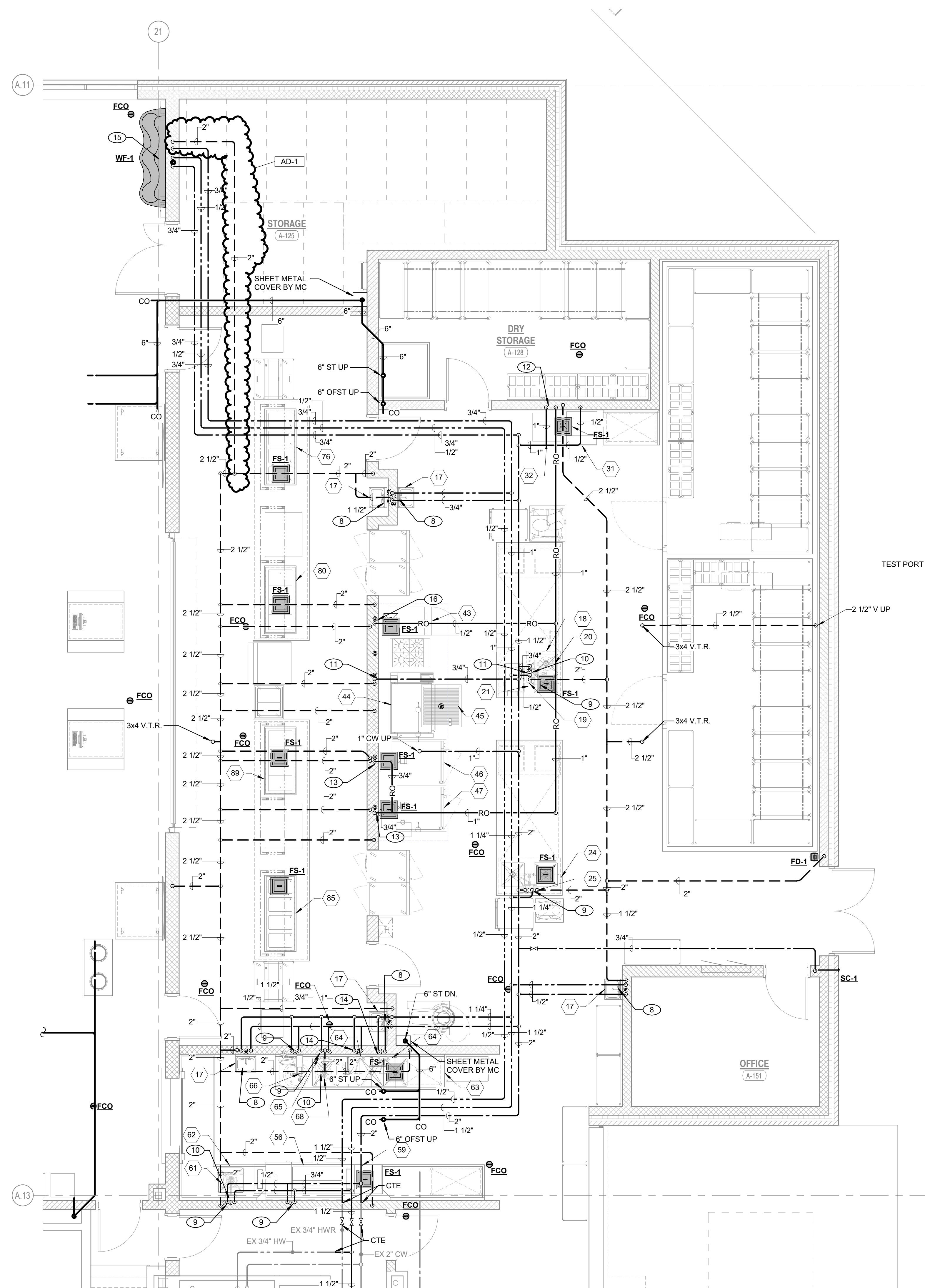
**P-301**

**SHEET NOTES**

- 4" GREASY WASTE PIPING UP TO FLOOR SINK.
- 3" GREASY WASTE PIPING UP TO KITCHEN EQUIPMENT.
- 2" GREASY WASTE PIPING UP TO KITCHEN EQUIPMENT.
- 1 1/2" SANITARY PIPING WASTE UP TO KITCHEN EQUIPMENT.
- 2" VENT PIPING UP.
- 1 1/2" VENT PIPING UP.
- 2" SANITARY PIPING UP TO WASH FOUNTAIN.
- 1/2" COLD WATER, 1/2" HOT WATER, AND 1 1/2" VENT PIPING DOWN TO KITCHEN EQUIPMENT.
- 1/2" COLD WATER AND 1/2" HOT WATER PIPING DOWN TO KITCHEN EQUIPMENT.
- 1/2" COLD WATER AND 1 1/2" VENT PIPING DOWN TO KITCHEN EQUIPMENT.
- 1" COLD WATER PIPING DOWN TO KITCHEN EQUIPMENT.
- 1" COLD WATER PIPING DOWN TO KITCHEN EQUIPMENT.
- 3/4" RO WATER PIPING DOWN TO KITCHEN EQUIPMENT.
- 3/4" COLD WATER AND 3/4" HOT WATER PIPING DOWN TO KITCHEN EQUIPMENT.
- 3/4" COLD WATER, 3/4" HOT WATER, AND 1 1/2" VENT PIPING DOWN TO WASH FOUNTAIN.
- 3/4" RO WATER PIPING DOWN TO KITCHEN EQUIPMENT.



**1 ENLARGED PLUMBING UNDERFLOOR PLAN**  
P-301 1/4" = 1'-0"

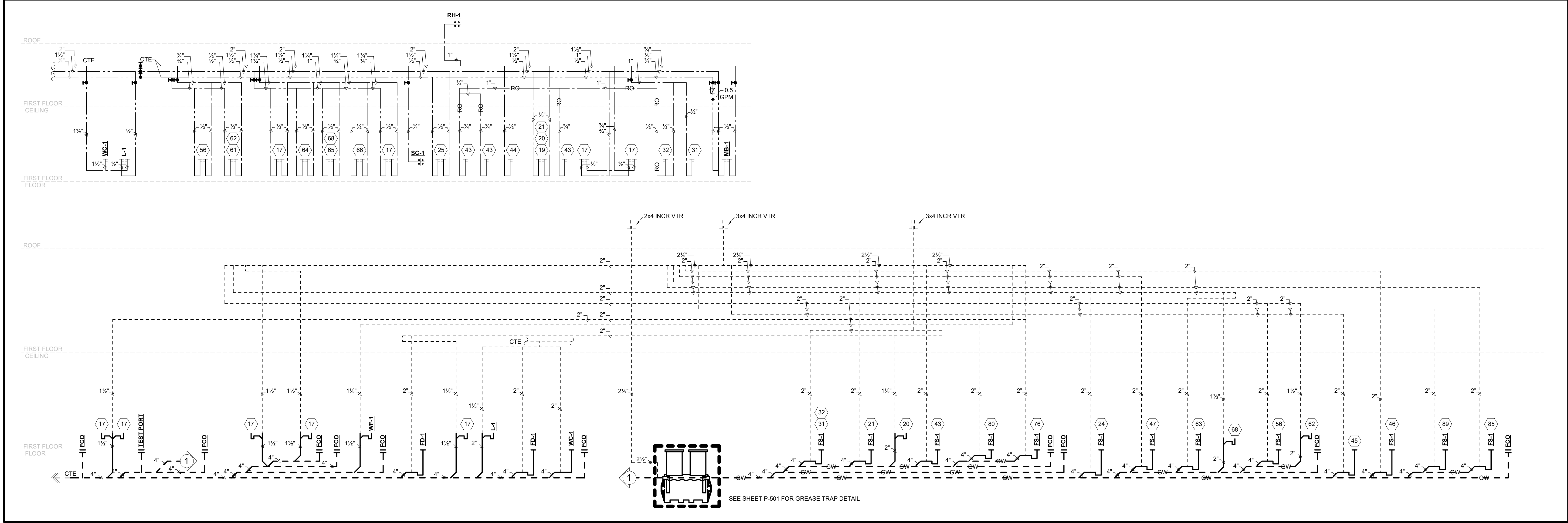


**2 ENLARGED PLUMBING FLOOR PLAN**  
P-301 1/4" = 1'-0"

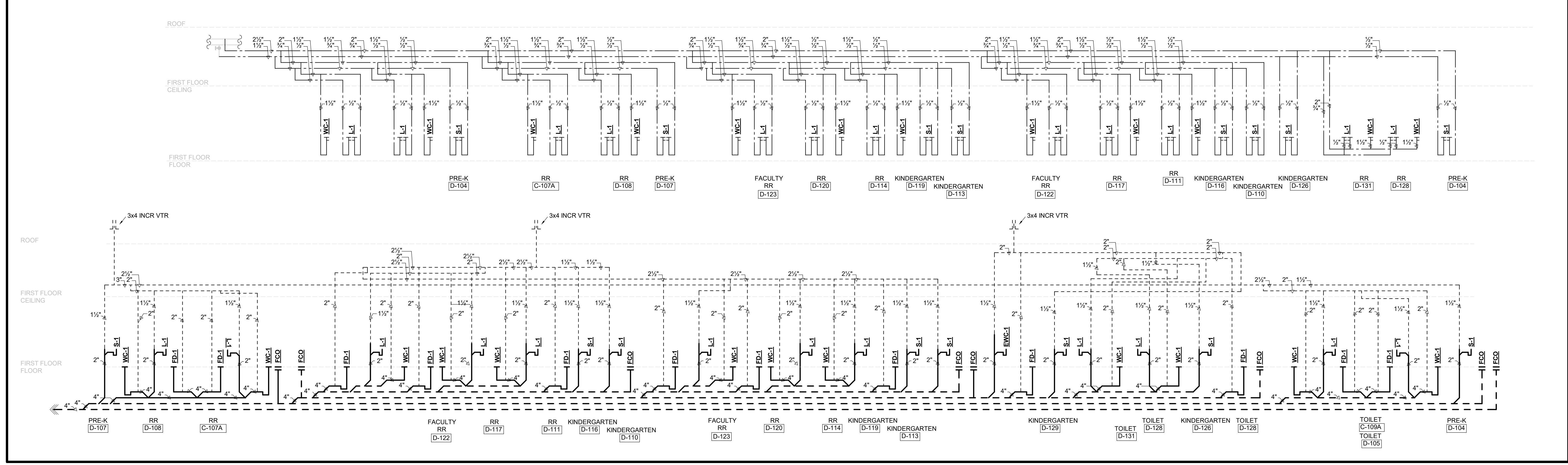
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### KITCHEN RISER DIAGRAMS



### RISER DIAGRAM



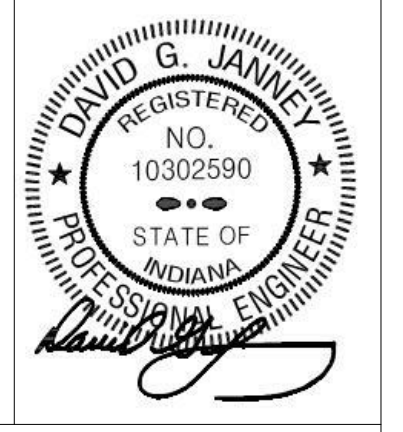
PROJECT:  
**Porter Lakes Elementary School Addition, Renovations and Related Work**

FOR:  
 Porter Township

208 S 725 W, Hebron, IN 46341

**GIBRALTAR DESIGN**  
 9102 N. Meridian St., Ste. 300  
 Indianapolis, IN 46260  
 Homepage: www.GibraltarDesign.com  
 Email: info@GibraltarDesign.com  
 Phone 317.580.5777 Fax 317.580.5778

PROJECT 24-142  
 DATE March 5, 2025  
 COORDINATED BY LVB  
 DRAWN BY CA  
 CHECKED BY DJ



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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	3/14/25	ADDENDUM NO.1

DRAWING  
**PLUMBING DETAILS & DIAGRAMS**

PROJECT  
**Porter Lakes Elementary School Addition, Renovations and Related Work**

© GIBRALTAR DESIGN  
 SHEET  
**P-501**

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**GIBRALTAR**  
DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN



PROJECT:

**Porter Lakes Elementary School Addition, Renovations and Related Work**

FOR:  
Porter Township

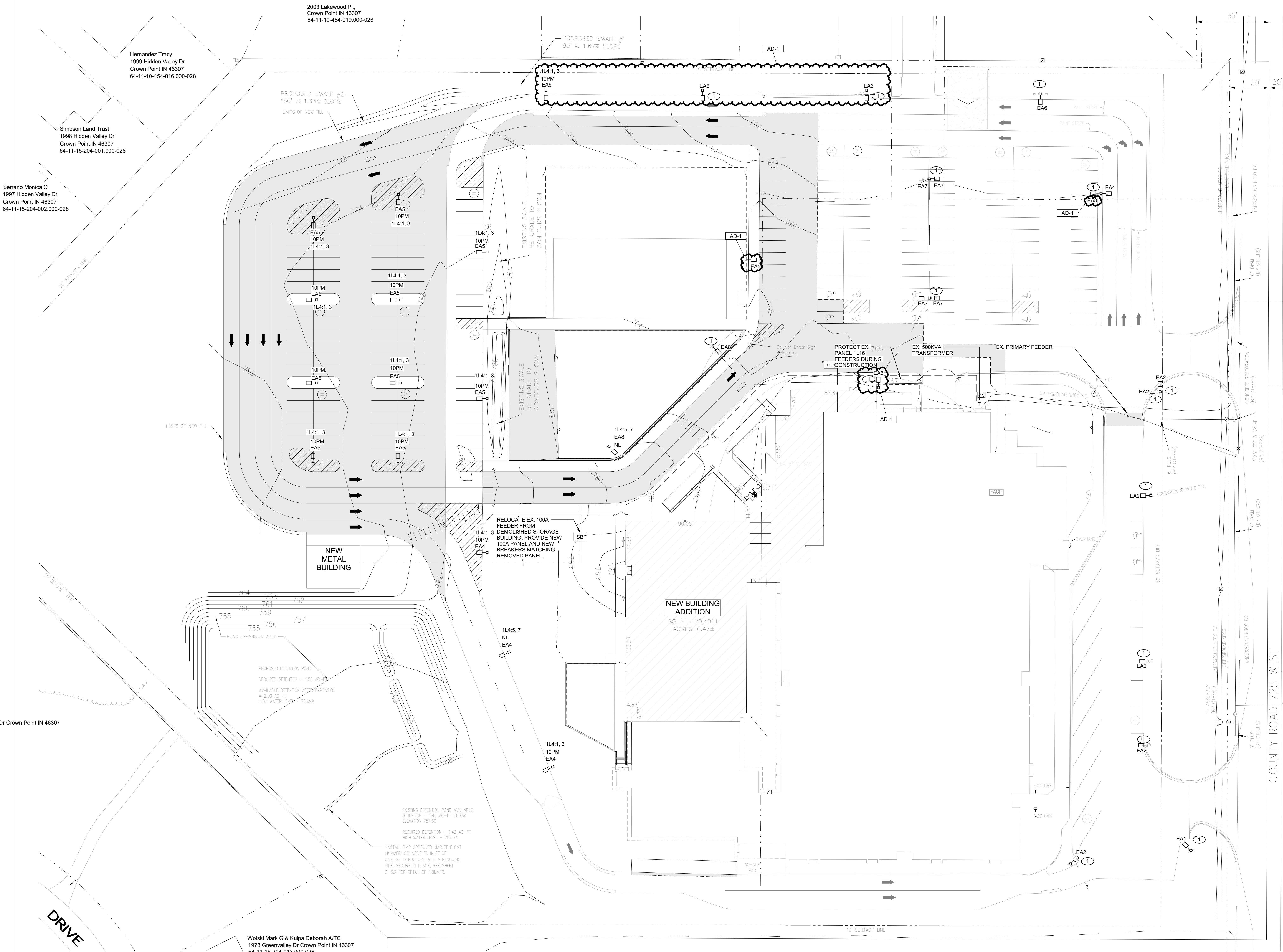
208 S 725 W, Hebron, IN 46341

### GENERAL NOTES

- SITE LIGHTING CONDUCTORS SHALL BE #8 AWG MINIMUM, AND SIZED TO MEET N.E.C. VOLTAGE DROP REQUIREMENTS. REFER TO SITE LIGHTING POLE DETAILS FOR ADDITIONAL INFORMATION.
- CAREFULLY VERIFY BASE SIZE FOR EACH FIXTURE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- UNLESS OTHERWISE NOTED, ROUTE EXTERIOR LIGHTING TO CIRCUITS INDICATED VIA TIME CLOCK, CONTACTORS, AND PHOTOCELL.

### SHEET NOTES

- REPLACE EXISTING LIGHTING FIXTURE WITH NEW ON EXISTING LIGHT POLE. UTILIZE EXISTING BRANCH CIRCUIT, AND EXISTING CONTROLS.



**1 ELECTRICAL SITE PLAN**  
ES101 1" = 30'-0"

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PROJECT  
24-142  
DATE  
March 5, 2025  
COORDINATED BY  
AG  
DRAWN BY  
MH  
CHECKED BY  
DJ



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DRAWING  
**ELECTRICAL SITE PLAN**

PROJECT  
Porter Lakes Elementary School Addition, Renovations and Related Work

© GIBRALTAR DESIGN

SHEET

**ES101**

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1048 N Lakeshore Dr Crown Point IN 46307

Hernandez Tracy  
1999 Hidden Valley Dr  
Crown Point IN 46307  
64-11-10-454-018.000-028

Simpson Land Trust  
1998 Hidden Valley Dr  
Crown Point IN 46307  
64-11-15-204-001.000-028

Serrano Monica C  
1997 Hidden Valley Dr  
Crown Point IN 46307  
64-11-15-204-002.000-028

2003 Lakewood Pl.  
Crown Point IN 46307  
64-11-10-454-018.000-028

PROPOSED SWALE #2  
150' @ 1.33% SLOPE

PROPOSED SWALE #1  
90' @ 1.67% SLOPE

EXISTING SWALE  
RE-GRADE TO  
RE-GRADERS SHOWN

EXISTING SWALE  
RE-GRADE TO  
RE-GRADERS SHOWN

NEW METAL BUILDING

NEW BUILDING ADDITION  
SQ. FT.=20,401±  
ACRES=0.47±

PROPOSED DETENTION POND  
REQUIRED DETENTION = 1.58 AC  
AVAILABLE DETENTION AFTER EXPANSION = 2.70 AC-FT  
HIGH WATER LEVEL = 756.09

EXISTING DETENTION POND AVAILABLE  
DETENTION = 1.46 AC-FT BELOW  
ELEVATION 753.60  
REQUIRED DETENTION = 1.42 AC-FT  
HIGH WATER LEVEL = 757.63

\*INSTALL BMP APPROVED MARLEE FLOAT SKIMMER, CONNECT TO INLET OF CONTROL STRUCTURE WITH A REDUCING PIPE. SECURE IN PLACE. SEE SHEET C-4.2 FOR DETAIL OF SKIMMER.

Wolski Mark G & Kulpa Deborah A/TC  
1978 Greenvalley Dr Crown Point IN 46307  
64-11-15-204-013.000-028

DRIVE

COUNTY ROAD 725 WEST

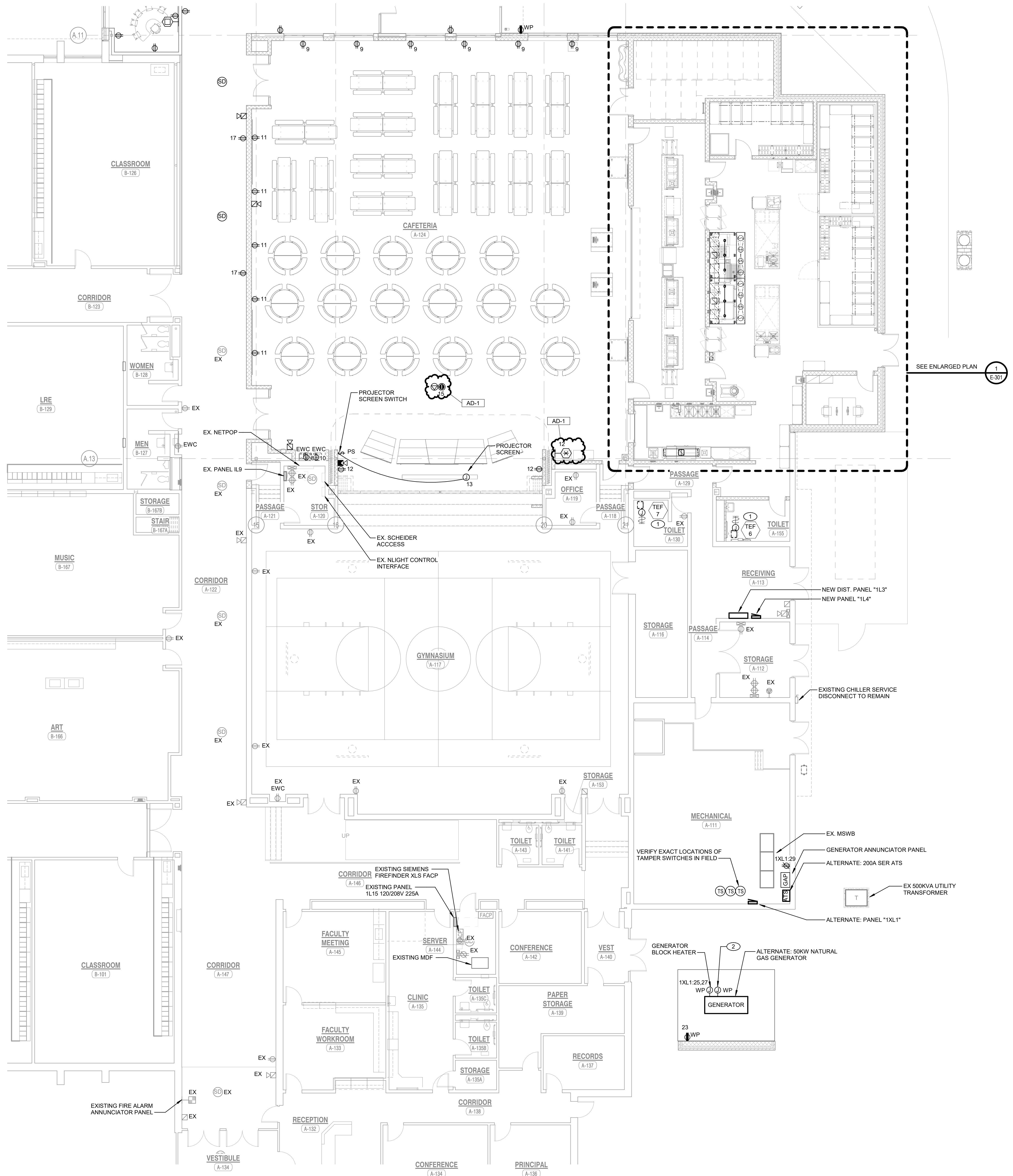












**GENERAL NOTES**

- CIRCUIT ALL DEVICES TO PANEL "L1/L4" UNLESS NOTED OTHERWISE.
- PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT. MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL OF THESE ROUGH-INS AND REQUIREMENTS WITH ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGHING-IN.

**SHEET NOTES**

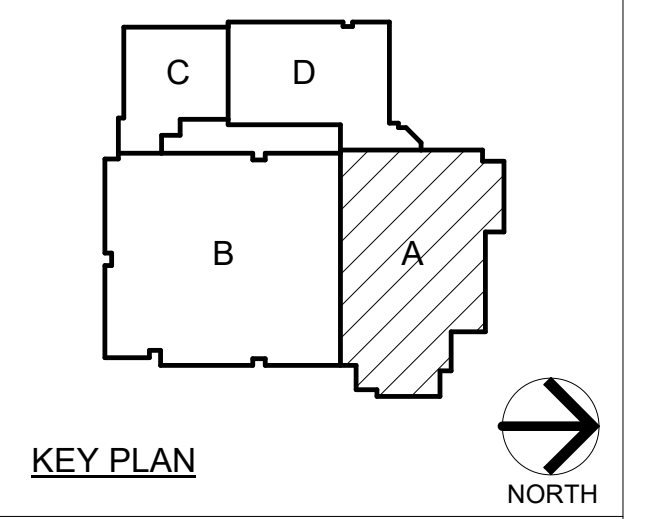
- REFER TO MECHANICAL CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
- NEW 50KW NATURAL GAS GENERATOR. COORDINATE LAYOUT WITH GENERATOR COMPANY TO PROVIDE ALL PROPER WORKING CLEARANCES. PROVIDE ALL POWER AND LOW VOLTAGE CONDUITS AS REQUIRED. ALL CONDUITS TO BE ROUTED CONCEALED BELOW GRADE.



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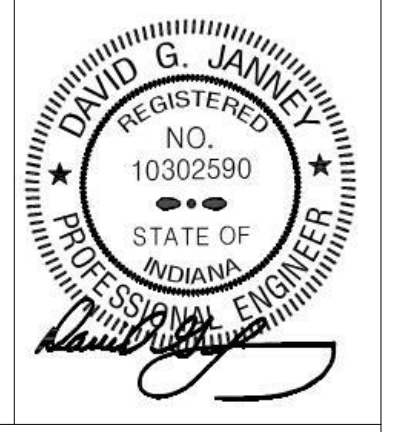
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**REVISIONS**

MARK	DATE	ISSUED FOR
AD-1	3/14/25	ADDENDUM NO.1

DRAWING  
**FIRST FLOOR ELECTRICAL POWER PLAN - AREA A**

PROJECT  
 Porter Lakes Elementary School Addition, Renovations and Related Work

GIBRALTAR DESIGN SHEET  
**A EP101**

**1 FIRST FLOOR ELECTRICAL POWER PLAN - AREA A**  
 EP101 1/8" = 1'-0"

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INTERIOR/EXTERIOR LIGHTING LUMINAIRE SCHEDULE							
TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMP/CROSS SECTION	MOUNTING	REMARKS
AA1		2'x4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BL T4-40L-ADP-MVOLT-EZ1-LP835-XX-XX METALUX #24C2Z SERIES COLUMBIA #LCAT24 SERIES OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 3500K 4000LM MIN 31W MAX	RECESSED LAY-IN	-
AA2		2'x4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BL T4-40L-ADP-MVOLT-EZ1-LP835-XX-XX METALUX #24C2Z SERIES COLUMBIA #LCAT24 SERIES OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 3500K 4800LM MIN 40W MAX	RECESSED LAY-IN	-
AA3		2'x4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BL T4-72L-ADP-MVOLT-EZ1-LP835-XX-XX METALUX #22C2Z SERIES COLUMBIA #LCAT24 SERIES OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 3500K 7200LM MIN 60W MAX	RECESSED LAY-IN	-
AB1		2'x2' RECESSED VOLUMETRIC LED FIXTURE WITH CURVED SHIELDING	LITHONIA #2BL T2-33L-ADP-MVOLT-EZ1-LP835-XX-XX METALUX #22C2Z-XX-UNV-L835-HCD1-U COLUMBIA # LCAT22-S-40L044G-ED1U OR APPROVED EQUAL	120 VOLT 0-10V DIM	LED 3500K 3300LM MIN 23W MAX	RECESSED LAY-IN	-
AB2		2'x2' RECESSED VOLUMETRIC LED FIXTURE WITH CURVED SHIELDING	LITHONIA #2BL T2-40L-ADP-MVOLT-EZ1-LP835-XX-XX METALUX #22C2Z-XX-UNV-L835-HCD1-U COLUMBIA # LCAT22-S-40L044G-ED1U OR APPROVED EQUAL	120 VOLT 0-10V DIM	LED 3500K 4000LM MIN 31W MAX	RECESSED LAY-IN	-
AB3		2'x2' RECESSED VOLUMETRIC LED FIXTURE WITH CURVED SHIELDING	LITHONIA #2BL T2-48L-ADP-MVOLT-EZ1-LP835-XX-XX METALUX #22C2Z-XX-UNV-L835-HCD1-U COLUMBIA # LCAT22-S-40L044G-ED1U OR APPROVED EQUAL	120 VOLT 0-10V DIM	LED 3500K 4800LM MIN 40W MAX	RECESSED LAY-IN	-
CA		6" DIAMETER LED OPEN DOWNLIGHT WITH SEMI-SPECULAR REFLECTOR AND WHITE FLANGE	LITHONIA #LDN6-35-20L-LO6-AR-LSS-TRW-MVOLT-GZ1 HALO #HC6-XX-D010 / HM6-XX-835 / 61WDHW PRESCOLITE LTR-6RD-H SL15L DM1 ALTR-6RD-T SL 35K 8MD-S	120 VOLT 0-10V DIM	LED 3500K 2000LM MIN 19W MAX	RECESSED LAY-IN DRYWALL	-
CA1		6" DIAMETER LED OPEN DOWNLIGHT WITH SEMI-SPECULAR REFLECTOR AND WHITE FLANGE	LITHONIA #LDN6-35-30L-LO6-AR-LSS-TRW-MVOLT-GZ1 HALO #HC6-XX-D010 / HM6-XX-835 / 61WDHW PRESCOLITE LTR-6RD-H SL15L DM1 ALTR-6RD-T SL 35K 8MD-S	120 VOLT 0-10V DIM	LED 3500K 3000LM MIN 35W MAX	RECESSED LAY-IN DRYWALL	-
EA		6" WET LOCATION EXTERIOR DOWNLIGHT	PRESCOLITE #L6M-6L-CM-24L-40K-8-X-X PORTFOLIO #L6B-20-D010TR-EUB-1020-80-40-6LB-M-X-X LITHONIA #LDN6-40ZS-LO6AR-X-X-MVOLT-EZ10-XX OR APPROVED EQUAL	120 VOLT 0-10V DIM	LED 4000K 2400LM MIN 33W MAX	RECESSED LAY-IN DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT -WET LOCATION
EB		WALL PACK WITH FINISH TO BE SELECTED BY ARCHITECT	LITHONIA #W1LT LED P2-40K-VV-MVOLT-XXX OR APPROVED EQUAL	120 VOLT	LED 4000K 3276 LM MIN 25W	WALL MOUNTED VERIFY WITH ARCH DWGS	-VERIFY FINISH WITH ARCHITECT
EA1		LED POLE MOUNTED AREA LIGHTING FIXTURE	LITHONIA #DSX1-P4-40K-80CRI-LCCO-MVOLT-XX VIPER #VP-2-320L SERIES OR APPROVED EQUAL	208/1PH VOLT	LED 4000K 11291LM MIN 124 W	POLE MTD 25'-0" ABOVE GRADE	-VERIFY AND MATCH EXISTING POLE HEIGHTS
EA2		LED POLE MOUNTED AREA LIGHTING FIXTURE	LITHONIA #DSX1-P4-40K-80CRI-T4LG-MVOLT-XX VIPER #VP-2-320L SERIES OR APPROVED EQUAL	208/1PH VOLT	LED 4000K 15918LM MIN 124 W	POLE MTD 25'-0" ABOVE GRADE	-VERIFY AND MATCH EXISTING POLE HEIGHTS
EA3		LED POLE MOUNTED AREA LIGHTING FIXTURE	LITHONIA #DSX1-P4-40K-80CRI-RCCO-MVOLT-XX VIPER #VP-2-320L SERIES OR APPROVED EQUAL	208/1PH VOLT	LED 4000K 11291LM MIN 124 W	POLE MTD 25'-0" ABOVE GRADE	-VERIFY AND MATCH EXISTING POLE HEIGHTS
EA4		LED POLE MOUNTED AREA LIGHTING FIXTURE	LITHONIA #DSX1-P4-40K-80CRI-T2M-MVOLT-XX VIPER #VP-2-320L SERIES OR APPROVED EQUAL	208/1PH VOLT	LED 4000K 15207LM MIN 124 W	POLE MTD 25'-0" ABOVE GRADE	-VERIFY AND MATCH EXISTING POLE HEIGHTS
EA5		LED POLE MOUNTED AREA LIGHTING FIXTURE	LITHONIA #DSX1-P4-40K-80CRI-T9W-MVOLT-XX VIPER #VP-2-320L SERIES OR APPROVED EQUAL	208/1PH VOLT	LED 4000K 16324LM MIN 124 W	POLE MTD 25'-0" ABOVE GRADE	-VERIFY AND MATCH EXISTING POLE HEIGHTS
EA6		LED POLE MOUNTED AREA LIGHTING FIXTURE	LITHONIA #DSX1-P4-40K-80CRI-T2M-EGS-MVOLT-XX VIPER #VP-2-320L SERIES OR APPROVED EQUAL	208/1PH VOLT	LED 4000K 15207LM MIN 124 W	POLE MTD 25'-0" ABOVE GRADE	-VERIFY AND MATCH EXISTING POLE HEIGHTS
EA7		LED POLE MOUNTED AREA LIGHTING FIXTURE	LITHONIA #DSX1-P4-40K-80CRI-TFTM-MVOLT-XX VIPER #VP-2-320L SERIES OR APPROVED EQUAL	208/1PH VOLT	LED 4000K 15211LM MIN 124 W	POLE MTD 25'-0" ABOVE GRADE	-VERIFY AND MATCH EXISTING POLE HEIGHTS
EA8		LED POLE MOUNTED AREA LIGHTING FIXTURE	LITHONIA #DSX1-P4-40K-80CRI-T3LG-MVOLT-XX VIPER #VP-2-320L SERIES OR APPROVED EQUAL	208/1PH VOLT	LED 4000K 16110LM MIN 124 W	POLE MTD 25'-0" ABOVE GRADE	-VERIFY AND MATCH EXISTING POLE HEIGHTS
ED		LED EXTERIOR CYLINDER	LUMINIS #L1L15-FLD-35K-120V-SWK	120 VOLT	LED 4000K -LM MIN 40W	PIER MTD	-
EF		LED EXTERIOR LED SPECIALTY ARCHITECTURAL FLOOD	ECOSENSE #F080-2V-HO-40-70-X-X-C-F170-WMA-06-X	120 VOLT	LED 4000K 744LM MIN 12W MAX	PIER MTD	-
FA10		4" WIDE 10" LONG RECESSED LED LINEAR SLOT FIXTURE WITH FLUSH LENS	MARK #SL4L-LOP-10FT-FLP-XX-80CRI-35K-1000LMF NEORAY #S124DR SERIES LITE CONTROL #4L SERIES OR APPROVED EQUAL	120 VOLT	LED 3500K 10000LM MIN 112W MAX	RECESSED LAY-IN	-VERIFY FINISH WITH ARCHITECT
FA16		4" WIDE 16" LONG RECESSED LED LINEAR SLOT FIXTURE WITH FLUSH LENS	MARK #SL4L-LOP-16FT-FLP-XX-80CRI-35K-600LMF NEORAY #S124DR SERIES LITE CONTROL #4L SERIES OR APPROVED EQUAL	120 VOLT	LED 3500K 9600LM MIN 102W MAX	RECESSED LAY-IN	-VERIFY FINISH WITH ARCHITECT
KA		2'x4" RECESSED LENSED KITCHEN TROFFER FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING	LITHONIA #2GTLA-72L-RV-A198NV-MVOLT-EZ1-LP835-ABC METALUX #24GR-RA-LDS-A19158NV-UNV-L835-CD1-G3-U COLUMBIA #LCAT24-35-ML-G-ED1-U OR APPROVED EQUAL	120 VOLT 0-10V DIM	LED 3500K 7200LM MIN 54W MAX	RECESSED LAY-IN	-
XA		SINGLE FACE EXIT, 90 MINUTE BACKUP	DUAL-LITE #SE-S-R-X-E SURE-LITE #CX7-1-X LITHONIA #LE-S-X-1-R-ELN-X OR APPROVED EQUAL	120 VOLT	LED MAX 3W	CEILING/WALL	-VERIFY TRIM FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XB		DUAL FACE EXIT, 90 MINUTE BACKUP	DUAL-LITE #SE-D-R-X-E SURE-LITE #CX7-2-X LITHONIA #LE-S-X-1-R-ELN-X OR APPROVED EQUAL	120 VOLT	LED MAX 3W	CEILING/WALL	-VERIFY TRIM FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
EM		FIXTURE WITH HIGH OUTPUT (MIN 1400LM) BATTERY UNIT OR INVERTER	FIXTURES LESS THAN 10000 LM: BODINE FACTORY INSTALLED BATTERY OR, AT CONTRACTORS DISCRETION, MYERS LV SERIES INVERTER (SIZE AND QUANTITY AS REQUIRED) AT LOCATION INDICATED ON PLANS PROVIDE MYERS LV SERIES INVERTER (SIZE AND QUANTITY AS REQUIRED)	MVOLT	-	IN FIXTURE/ REMOTE	-PROVIDE TEST SWITCH AND CHARGING INDICATOR -PROVIDE FIXTURES CIRCUITED TO GENERATOR WITH GENERATOR TRANSFER DEVICES -INTEGRAL BATTERIES NOT ALLOWED IN FIXTURES WITH GREATER THAN 10000 LUMENS
NL		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE	-	-	-	-	-

MECHANICAL EQUIPMENT CONNECTION SCHEDULE																		
TAG	DESCRIPTION	LOAD				MOC	VOLT	PHASE	PANEL	CKT. NO.	FEEDER			DISCONNECT SWITCH		STARTER		REMARKS
		WATTS	HP	MCA	FLA						SIZE	BREAKER	M.C.P.C.	E.C.	TYPE	M.C.P.C.	E.C.	
AH-1S	AIR HANDLING UNIT EXHAUST	9907		27.5		45	208	3	NEW PANEL 2L1	1.3.5	4 #6 & 1 #10 G	1"	60A	45A/3P			X	
AH-1S	AIR HANDLING UNIT SUPPLY	26750		74.25		125	208	3	NEW PANEL 2L1	7.9.11	4 #1 & 1 #6 G	2"	200A	125A/3P			X	
CH-1	CABINET HEATER	264			2.2	15	120	1	RELOCATED PANEL 1L16	23	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
CH-2	CABINET HEATER	264			2.2	15	120	1	NEW PANEL 1L6 (TUB 2)	86	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
CU-1	CONDENSING UNIT	39269		109		150	208	3	NEW PANEL 2L1	8.10.12	4 #10 & 1 #6 G	2"	200A	150A/3P			X	
FC-1	FAN COIL UNIT	364		1.75		15	208	1	NEW PANEL 1L6 (TUB 2)	88.90	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
RT-1	ROOF TOP UNIT	50437		140		175	208	3	NEW PANEL 2L1	2.4.6	4 #20 & 1 #6 G	2"	200A	175A/3P			X	
RT-2	ROOF TOP UNIT	32064		89		125	208	3	SEE ONE-LINE DIAGRAM	N/A	4 #1 & 1 #6 G	2"	200A	125A/3P			X	
RT-F3	ROOF TOP UNIT	14411		40		50	208	3	RELOCATED PANEL 1L16	61.63.65	4 #6 & 1 #10 G	1"	60A	50A/3P			X	
TEF-1	TOLIET EXHAUST FAN	420		3.5		15	120	1	RELOCATED PANEL 1L16	50	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
TEF-2	TOLIET EXHAUST FAN	420		3.5		15	120	1	RELOCATED PANEL 1L16	50	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
TEF-3	TOLIET EXHAUST FAN	420		3.5		15	120	1	RELOCATED PANEL 1L16	52	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
TEF-4	TOLIET EXHAUST FAN	420		3.5		15	120	1	RELOCATED PANEL 1L16	52	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
TEF-5	TOLIET EXHAUST FAN	420		3.5		15	120	1	RELOCATED PANEL 1L16	52	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
TEF-6	TOLIET EXHAUST FAN	216		1.8		15	120	1	NEW PANEL 1L4	2	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
TEF-7	TOLIET EXHAUST FAN	84		0.7		15	120	1	NEW PANEL 1L4	2	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	
TEF-8	TOLIET EXHAUST FAN	228		1.9		120	1	NEW PANEL 2L1	14	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X		
UV-1A	UNIT VENTILATOR	1535		7.38		15	208	1	RELOCATED PANEL 1L16	9.11	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
UV-1B	UNIT VENTILATOR	1535		7.38		15	208	1	RELOCATED PANEL 1L16	9.11	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
UV-1C	UNIT VENTILATOR	1535		7.38		15	208	1	RELOCATED PANEL 1L16	54.56	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
UV-1D	UNIT VENTILATOR	1535		7.38		15	208	1	RELOCATED PANEL 1L16	54.56	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
UV-1E	UNIT VENTILATOR	1535		7.38		15	208	1	RELOCATED PANEL 1L16	58.60	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
UV-2	UNIT VENTILATOR	1535		7.38		15	208	1	RELOCATED PANEL 1L16	58.60	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
UV-3A	UNIT VENTILATOR	1924		9.25		15	208	1	RELOCATED PANEL 1L16	13.15	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
UV-3B	UNIT VENTILATOR	1924		9.25		15	208	1	RELOCATED PANEL 1L16	17.19	3 #12 & 1 #12 G	3/4"	N/A	20A/2P			X	
VAV-2A	FAN-POWERED VENTILATOR	480	0 hp		4	15	120	1	RELOCATED PANEL 1L16	28	2 #12 & 1 #12 G	3/4"	N/A	20A/1P			X	

FOOD SERVICE EQUIPMENT SCHEDULE - ELECTRICAL															
TAG	QTY	DESCRIPTION	VOLT	PHASE	AMPS	HP	WATTS	PLUG-	HARD- WIRE	ROUGH-IN HEIGHT AFF	PANEL	CKT. NO.	CABLE	CONDUIT	REMARKS
1	1	WALK-IN COOLER/FREEZER	120	1	5	0	602	X			NEW PANEL 1L6 (TUB 1)	1	2 #12 & 1 #12 G	3/4"	
2	1	COOLER BLOWER COIL	120	1	1.6	0	192	X			NEW PANEL 1L6 (TUB 1)	3	2 #12 & 1 #12 G	3/4"	
3	1	COOLER CONDENSING UNIT	208	3	5.9	0	2126	X			NEW PANEL 1L6 (TUB 1)	5.7.9	4 #12 & 1 #12 G	3/4"	
4	1	FREEZER BLOWER COIL	208	1	10.3	0	2142	X			NEW PANEL 1L6 (TUB 1)	11.13	3 #12 & 1 #12 G	3/4"	
5	1	FREEZER CONDENSING UNIT	208	3	12.3	0	4431	X			NEW PANEL 1L6 (TUB 1)	15.17.19	4 #12 & 1 #12 G	3/4"	
18	1	ISLAND WORKTABLE W/ 2 COMP PREP SINK	120	1	16	0	1920	X			NEW PANEL 1L6 (TUB 1)	21	2 #12 & 1 #12 G	3/4"	
20	1	DISPOSER	208	3	6	2	2162	X			NEW PANEL 1L6 (TUB 1)	23.25.27	4 #12 & 1 #12 G	3/4"	
21	1	EXISTING HOT WATER DISPENSER	208	1	24	0	4992	X			NEW PANEL 1L6 (TUB 1)	29.31	3 #10 & 1 #10 G	3/4"	
22	1	SLICER	120	1	5.4	0	648	X			NEW PANEL 1L6 (TUB 1)	33	2 #12 & 1 #12 G	3/4"	
23A	1	EXISTING HOLDING CABINET	120	1	12	0	1440	X		24	NEW PANEL 1L6 (TUB 1)	39	2 #12 & 1 #12 G	3/4"	
23B	1	EXISTING HOLDING CABINET	120	1	12	0	1440	X		24	NEW PANEL 1L6 (TUB 1)	37	2 #12 & 1 #12 G	3/4"	
24	1	ISLAND WORKTABLE W/ PREP SINK	120	1	16	0	1920	X			NEW PANEL 1L6 (TUB 1)	39	2 #12 & 1 #12 G	3/4"	
26	1	MIXER	120	1	8	0	960	X			NEW PANEL 1L6 (TUB 1)	41	2 #12 & 1 #12 G	3/4"	
31	1	ICE MAKER	120	1	7	0	840	X			NEW PANEL 1L6 (TUB 1)	2	2 #12 & 1 #12 G	3/4"	
32	1	RO SYSTEM	120	1	7	0	840	X			NEW PANEL 1L6 (TUB 1)	4	2 #12 & 1 #12 G	3/4"	
36A	1	PASS-THRU HEATED CABINET	208	1	7.3	0	1518	X		86</					