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& LITTON** EST.  
1956

ENGINEERS ARCHITECTS SURVEYORS



#### **ADDENDUM NO. 005**

**TO:** All Plan Holders

**RE:** Montgomery County Magistrate and Court Services Building  
Montgomery County Board of Supervisors  
T&L Project No. 16910  
IFB No. 24-08

**DATE:** December 11, 2023

**BIDS RECEIVED DATE:** December 21, 2023

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated October 11, 2023, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of **58** pages.

#### **CLARIFICATIONS AND ANSWERS TO PRE-BID QUESTIONS AND PREVIOUS ADDENDA:**

1. Refer to attached Pre-Bid Questions for responses.
2. Porcelain Tile locations: Where porcelain tile has been deleted, replace backerboard with 5/8" gypsum wall board.
3. The Town Review Committee requested that the use of the inlet protection matting for the trench drains explicitly be called out on sheets C500 & C501. As requested a label was added to the sheets to indicate the use of the inlet protection matting. The detail for the matting was previously provided on sheet C702 and is titled "TRENCH DRAIN INLET PROTECTION".

#### **CHANGES TO THE SPECIFICATIONS:**

1. Section 01 3000 Administrative Requirements:
  - a. **ADD** the following to paragraph 3.1.C.  
"2. Other Cloud-based project management systems will be considered."
2. Statement of Special Inspections for the Montgomery County Magistrate and Court Services Building:
  - a. **REPLACE** Statement of Special Inspections for the Montgomery County Magistrate and Court Services Building in its entirety.



3. Schedule of Special Inspections for the Montgomery County Magistrate and Court Services Building:
  - a. **REPLACE** Schedule of Special Inspections for the Montgomery County Magistrate and Court Services Building in its entirety.
4. Statement of Special Inspections for the Montgomery County Jail Sallyport:
  - a. **REPLACE** Statement of Special Inspections for the Montgomery County Jail Sallyport in its entirety.
5. Schedule of Special Inspections for the Montgomery County Jail Sallyport:
  - a. **REPLACE** Schedule of Special Inspections for the Montgomery County Jail Sallyport in its entirety.
6. Section 07 1113 Bituminous Dampproofing:
  - a. **ADD** Section 07 1113 in its entirety.
7. Section 07 1613 Polymer Modified Cement Waterproofing:
  - a. **ADD** Section 07 1613 in its entirety.
8. Section 09 9123 Interior Painting:
  - a. **DELETE** Paragraph 2.2.C.

**CHANGES TO DRAWINGS:**

1. Sheet G004:
  - a. **REPLACE** Sheet G004 in its entirety.
2. Sheet C300:
  - a. **REPLACE** Sheet C300 in its entirety.
3. Sheet A002:
  - a. **REPLACE** Sheet A002 in its entirety.
4. Sheet A102:
  - a. **REPLACE** Sheet A102 in its entirety.
5. Sheet A107:
  - a. **REPLACE** Sheet A107 in its entirety.
6. Sheet A311:
  - a. **REPLACE** Sheet A311 in its entirety.
7. Sheet A321:
  - a. **REFER** to Detail 16A321.  
**DELETE** reference to coiling counter door at this location.
8. Sheet A701:
  - a. **REFER** to the Finish Schedule.  
**MODIFY** M113 floor finish from CPT-2 to **CPT-1**.



9. Sheet A711:
  - a. **REPLACE** Sheet A711 in its entirety. **REFER** to revisions within the door schedule.
10. Sheet S300:
  - a. **REPLACE** Sheet S300 in its entirety.
11. Sheet S301:
  - a. **REPLACE** Sheet S301 in its entirety.
12. Sheet M101:
  - a. **REPLACE** Sheet M101 in its entirety.
13. Sheet E201:
  - a. **REPLACE** Sheet E201 in its entirety.
14. Sheet E301:
  - a. **REPLACE** Sheet E301 in its entirety.
15. Sheet E602:
  - a. **REPLACE** Sheet E602 in its entirety.

Enclosures:

Pre-Bid Questions/Responses: 45-61

Specifications:

Statement of Special Inspections for the Montgomery County Magistrate and Court Services Building

Schedule of Special Inspections for the Montgomery County Magistrate and Court Services Building

Statement of Special Inspections for the Montgomery County Jail Sallyport

Schedule of Special Inspections for the Montgomery County Jail Sallyport

Section 07 1113

Section 07 1613

Sheets:

G004, C300, A002, A102, A107, A311, A711, S300, S301, M101, E201, E301, E602

**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date:   1  /  /  3  

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) ES01:

Please provide a height for the Type S1, S2 S3 site lighting poles.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_:

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

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

NOTE: QUESTIONS MAY NOT BE CONSIDERED IF RECEIVED WITHIN TEN (10) CALENDAR DAYS OF THE BID DATE. All responses to questions will be made by Addendum.

Question submitted by:           □□□□□ □ □□□□          

Name

Organization:           □□□□□□ □□          

Telephone:           0 7 7 □ 1          

Bidders shall submit form to: Thompson & Litton



**THOMPSON  
& LITTON**

Email address: prebid@T-L.com  
or  
FAX No.: (540) 633-1896

**RESPONSE:**

Pole height is indicated as 25' per the light fixture schedule under type "POLE" per sheet E601.

Thomas Reed

12/08/2023

**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12.05.23

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) A101, A312:

There appears to be stairs from the "C" section to the "M" section but there is no stair detail provided. What will the floor finish be for these stairs?

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_:

**Response: Refer Enlarged Stair Plan 1A103 and  
Stair Section cut on A312  
Finish: Rubber treads/risers and landing**

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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Question submitted by: Lisa Parker Name

Organization: Avis Construction

Telephone: 540-982-3558

Bidders shall submit form to: Thompson & Litton



**THOMPSON  
& LITTON**

Email address: prebid@T-L.com

or

FAX No.: (540) 633-1896

**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12.05.23

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) A701:

Vestibule M113 list CPT2 as the finish flooring, all other vestibules have CPT1. Please confirm CPT is the correct finish.

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_:

**Response: M113 to be changed to CPT-1 in Addendum No. 5**

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12.05.23

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) A701:

What will the TCNA methods be for the wall tile installation? .

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The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_:

There is currently no spec section for the ceramic tile.

**Response: Ceramic tile has been removed from the project**

**Refer to Addendum No. 4**

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Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/1/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) A002 :

Details 1, 5, and 10 call for the application of waterproof coating for the exposed concrete retaining wall.

What product(s) should be used for waterproofing the concrete

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

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_:

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

**Response: Added Specification Section 07 1613 Polymer Modified Cement  
Waterproofing in Addendum No. 5**

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

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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Question submitted by: Aaron ost

Name

Organization: MB Contractors

Telephone: 540-342-6758

Bidders shall submit form to: Thompson & Litton



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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/1/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) A101 :

Construction Note 6 call for the application of waterproof coating for all exposed concrete.

What product(s) should be used for the waterproofing

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

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_:

\_\_\_\_\_

**Response: Added Specification Section 07 1613 Polymer Modified Cement  
Waterproofing in Addendum No. 5**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/01/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) \_\_\_\_\_:

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

The following question concerns Specification Section (number) 099123 , page 478, paragraph 2.2c:

09 9123 2.2C lists a 2 part latex modified epoxy, can a pre catalyzed latex epoxy be substituted for this and what are all the areas for this product to be used

**Response: Paragraph 2.2.C has been deleted.**

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/06/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) A002, C300

Please confirm that the intent for fencing along the retaining wall separating Magistrate parking Court Services parking is to be chain-link as depicted on 11/A002 (Add 4) C300 still shows this as decorative fencing.

**Response: Civil drawing has been updated in Addendum No. 5**

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/04/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) S101, A107

Are there 1 or 2 roof hatches S101 shows 2 and A107 shows 1.

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

**Response: 2 roof hatches -**

**Roof hatch on A107 occurs in "M" Area of the Building**

**Second roof hatch is to access the sloped roof area.**

**Refer to Sheet A106 Room C124**

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/04/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) \_\_\_\_\_

There are only spaces to acknowledge 3 Addenda on the bid form. Will a new bid form be issued to allow space for acknowledging Addenda 4, 5, etc.

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

**Response: Contractor may add lines for additional addenda.**

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/06/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) \_\_\_\_\_

\_\_\_\_\_ penings M113 M113B are called out as rated 90min openings on the door schedule. M113B is in wall assembly A1 M113 is located at an exterior wall, these openings are not in rated walls. Do these openings need to be rated

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

**Response: Refer to updated door schedule in Addendum No. 5**

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

NOTE: QUESTIONS MAY NOT BE CONSIDERED IF RECEIVED WITHIN TEN (10) CALENDAR DAYS OF THE BID DATE. All responses to questions will be made by Addendum.

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/06/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) \_\_\_\_\_

Detail 11/A712 shows openings M119 M120 as 90min rated but the door schedule does not call these out as a rated assembly. Should these openings be rated on the door schedule

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The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

**Response: Refer to updated door schedule in Addendum No. 5**

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Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

NOTE: QUESTIONS MAY NOT BE CONSIDERED IF RECEIVED WITHIN TEN (10) CALENDAR DAYS OF THE BID DATE. All responses to questions will be made by Addendum.

Question submitted by: Aaron ost \_\_\_\_\_

Name

Organization: MB Contractors \_\_\_\_\_

Telephone: 540-342-6758 \_\_\_\_\_

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/06/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) \_\_\_\_\_

-Doors C110A C113A are called out as wood doors on the door schedule. These doors are located on the exterior wall. Should these doors be hollow metal or storefront

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

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

**Response: These doors are to be hollow metal (insulated)**

**Refer to updated door schedule in Addendum No. 5**

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

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/06/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) \_\_\_\_\_

Door C111 is in Corridor C107 and Workroom C111. All the doors in the Corridor 107 and the other two doors in Workroom C111 are wood doors. Should Door C111 be wood, or HM as currently noted on the door schedule

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

**Response: Wood. Refer to updated door schedule in Addendum No. 5**

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/06/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) \_\_\_\_\_

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

-The door schedule does not call out a door type for M118 M118A. Please advise.

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

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

**Response: Refer to schedule in Addendum No. 4.**

**Schedule is also updated in Addendum No. 5**

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

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/06/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) G004 (Add 4)

- Please provide a scale for this drawing. This is needed to calculate the footage of re-configured fencing throughout the various phases.
- Phase 1 notes indicate 8' tall security fence with 85% screening. Section 1.8 of 015000 states that it should be 6' tall (no mention of screening requirements). Which is required Will fence posts need to be driven or are panels with sandbags acceptable
- Are contractors required to **complete** Phase 1 Magistrate/Court Services (receive C ) prior to beginning **any** work on Phase 2 Sallyport What is the predecessor/trigger for being able to begin Phase 2 Sallyport
- Phase 2 indicates the usage of the west parking lot by jail personnel. Will this area need to be 100% complete prior to their usage If not, what exact requirements/condition does this area need to be in for use by jail personnel

The following question concerns Specification Section (number) \_\_\_\_\_, page \_\_\_\_\_, paragraph \_\_\_\_\_ :

**Response: Sheet G004 has been updated to be to scale. Refer to Addendum No. 5. Temporary Security fence revised to be 6'-0" with screening. Contractor fence does not require screening. Temporary fencing measures to be determined by the contractor. Permanent fencing indicated in the drawings are to have driven posts. The time frame for the Magistrate building to be determined by the Contractor. A CO is not required for the Magistrate/Court service building before construction begins on the Sallyport. The only determining factor for the phasing is continued access to the jail. The west parking lot does not need to be 100% complete. Curb and gutter and base course is acceptable. Contractor will be responsible for removing any sediment laden base and replacing with suitable base material prior to paving.**

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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Question submitted by: Aaron ost Name

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Telephone: 540-342-6758

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**PRE-BID QUESTION FORM**

(Use separate Form for each question submitted.)

Date: 12/06/2023

Project Name: Montgomery County Magistrate and Court Services Building

T&L Project No.: 16910

The following question concerns Drawing Sheet (number) \_\_\_\_\_

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

The following question concerns Specification Section (number) 013000 , page , paragraph 3.1BC :

Can the requirement to use Submittal Exchange be waived With the abundance of cloud-based project management platforms available, requiring use of Submittal Exchange adds unnecessary cost to the project.

Other cloud-based project management softwares will be allowed, such as Procore.

Refer to "Instructions to Bidders", Part 5 (ARCH) - "Interpretations and Addenda".

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TOWN OF CHRISTIANSBURG  
**STATEMENT OF SPECIAL INSPECTIONS**

**Building Permit #:** \_\_\_\_\_ **VUSBC Edition:** 2018  
Montgomery County Magistrate and  
**Project Name:** Court Services Building **Group:** B **Construction type:** IIB  
**Project Address:** 95 First Street, SE, Christiansburg, VA 24073  
**Building Owner's Name: (Print)** Montgomery County **(Sign)** \_\_\_\_\_  
**Owner's Address:** 755 Roanoke Street, Christiansburg, VA 24073

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the VUSBC. The Special Inspections Schedule is an integral part of the Statement of Special Inspections.

The Special Inspections Engineer of Record (SIER) shall keep records of special inspections and shall furnish copies of inspections and testing reports to the Town of Christiansburg Building Department and to the Registered Design Professional in Responsible Charge (RDPRC). Discrepancies from the approved plans and specifications and code violations observed during conduct of special inspections services shall be brought to the immediate attention of the contractor for correction, to the attention of the Town of Christiansburg Building Department, and to the RDPRC. A Final Report of Special Inspections, documenting completion of specified special inspections and correction of any discrepancies and observed code violations shall be submitted to and approved by the Town of Christiansburg Building Department prior to the concealment inspection by the Town of Christiansburg Building Department.

**Note 1:** For retaining walls use pages 1 and 8 only

**Note 2:** For smoke control systems, a separate Statement of Special Inspections is required in addition to that submitted for the rest of the project. The Mechanical Engineer of Record will sign off as RDPRC for the smoke control system. The SIER for the smoke control system shall have expertise in fire protection, mechanical engineering and certification as an air balancer.

**Please provide the Name, License and Company information of the following:**

**Permit Applicant (If not Owner):**

Signature / Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

**Owner's Authorization (If other than Applicant):**

Signature / Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

**Primary Registered Design Professional in charge of the project:**

*(Review and Acceptance of Schedule)*

Signature / Date: Keith A. Almoney 11/17/23

Printed Name: Keith A. Almoney, PE

**Architect of Record:**

Signature / Date: Erica F. Sunshine 11/17/23

Printed Name: Erica F. Sunshine, AIA

**Geotechnical Engineer of Record:**

Signature / Date: \_\_\_\_\_

Printed Name: Steven J. Winter, P.E.

schedule of Special Inspections Prepared By:  
Keith A. Almoney, PE

**Special Inspector/ Engineer of Record:**

Signature / Date: \_\_\_\_\_

Printed Name: Steven J. Winter, P.E.

**Building Official's Acceptance:**

Signature / Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Registered Design Professionals Seal

Montgomery County Magistrate and  
Court Services Building

**Scope of Service for Verification and Inspection**

	Continuous	Periodic	Ref. Std.	IBC	Party	Start/Completion Date
Activity, verification, and inspection						
<b>Steel Construction</b>				1704.3		
<b>1. High strength bolts, nuts and washers</b>			Applicable ASTM material specifications; AISC 360 Sec. A3.3		SIER	
a. <input checked="" type="checkbox"/> Identification markings conform to ASTM specified in the approved construction documents		X				
b. <input checked="" type="checkbox"/> Manufacture certificate of compliance		X				
<b>2. High strength bolting</b>				1708.4	SIER	
a. <input checked="" type="checkbox"/> Bearing type connection		X	AISC 360, M2.5			
b. <input type="checkbox"/> slip critical connections	X	X				
<b>3. Structural steel</b>					SIER	
a. <input checked="" type="checkbox"/> Identification markings conform to ASTM specified in the approved construction documents			ASTM 6 or ASTM A 568			
b. <input checked="" type="checkbox"/> manufacturer's certified mill test reports						
<b>4. Weld filler</b>			AISC, Sec. A3.5		SIER	
a. <input checked="" type="checkbox"/> Identification markings conform to ASTM specified in the approved construction documents		X	AISC 360, N5.4			
b. <input checked="" type="checkbox"/> Manufacturer's certificate of compliance required						
<b>5. Welding</b>			AWS D1.1	1704.3.1	SIER	
a. Structural steel						
1. <input type="checkbox"/> Complete partial penetration groove welds	X					
2. <input type="checkbox"/> Multi-pass fillet welds	X					
3. <input type="checkbox"/> Single-pass fillet welds >5/16"	X					
4. <input checked="" type="checkbox"/> Single pass fillet welds < or = 5/16"		X				
5. <input checked="" type="checkbox"/> Floor and roof deck welding		X	AWS D1.3			
b. Reinforcing steel			AWS D1.4, ACI 318:3.5.2			
1. <input type="checkbox"/> Verification of weld-ability of reinforcing steel other than ASTM 706						
2. <input type="checkbox"/> Reinforcing steel- resisting flexural and axial forces intermediate and special moment frames, and boundary elements of special reinforcing concrete shear walls and shear reinforcement	X					
3. <input type="checkbox"/> Shear reinforcement	X					
4. <input type="checkbox"/> Other reinforcement						
<b>6. Steel joint details</b>		X		1704.3.2	SIER	
a. <input type="checkbox"/> Details such as bracing and stiffening						
b. <input checked="" type="checkbox"/> Member locations		X	AISC 360, N5.5 & N5.6	1705.2.1		
c. <input checked="" type="checkbox"/> Application of joint details at each connection		X	AISC 360, N5.5 & N5.6	1705.2.1		
<b>7. Steel Fabrication</b>				1704.2	SIER	
a. <input type="checkbox"/> Fabricator is AISC certified						
b. <input checked="" type="checkbox"/> Verify that fabricator maintains detailed fabrication and quality control procedures		X	AISC 360, Chapter N	1704.2		
<b>8. Others</b> <input checked="" type="checkbox"/> Steel Fabricator Shop Inspections		X	AISC 360, Chapter N	1704.2		

Open-Web Steel Joist					SIER	
<input checked="" type="checkbox"/> End Connections & Bridging Installation		X	1705.2.3			



Montgomery County Magistrate and  
Court Services Building

**Special Inspections Schedule Building Permit # \_\_\_\_\_**

Scope of Service for Verification and inspection						
Activity, verification and Inspection	Continuous	Periodic	Ref. Std.	IBC	Party	Start/comp. date
<b>Concrete construction</b>				1704.4	SIER	
1. <input checked="" type="checkbox"/> Reinforcing steel including pre-stressing tendons and placement		X	ACI 318: 3.5, 7.2-7.7	1913.4		
2. <input type="checkbox"/> Reinforcing steel welding			AWS D1.4, ACI 318:3.5.2			
3. <input checked="" type="checkbox"/> Bolts installed in concrete	X			1911.5		
4. <input checked="" type="checkbox"/> Verify use of design mix		X	ACI:Ch.4, 5.2-5.4	1904.2.2, 1913.2, 1913.3		
5. <input checked="" type="checkbox"/> At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X		ASTM C 172, ASTM C 31, ACI 318: 5.6, 5.8	1913.10		
6. <input checked="" type="checkbox"/> Inspection of concrete and shotcrete placement for proper application techniques	X		ACI 318:5.9-5.10	1913.6-8		
7. <input checked="" type="checkbox"/> Inspection and maintenance of curing temperature and techniques		X	ACI 318: 5.11-5.13	1913.9		
8. Inspections of pre-stressed concrete: a. <input type="checkbox"/> Application of pre-stressed forces b. <input type="checkbox"/> grouting of bonded pre-stressing tendons in the seismic force resisting system	X		ACI 318: 18.20, 18.18.4			
9. <input type="checkbox"/> Manufacture of precast/ tilt-up concrete panels				1704.2		
10. <input type="checkbox"/> Erection of precast/ tilt-up panels concrete members			ACI 318: Ch. 16			
11. <input type="checkbox"/> Verification of in-situ concrete strength , prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs		X	ACI 318: 6.2			
12. <input checked="" type="checkbox"/> Inspect form work for shape, location and dimensions of the concrete member being formed		X	ACI 318: 6.1.1			
13. <input checked="" type="checkbox"/> <b>Other</b> Installation of Expansion/Isolation Joints at Columns & Exterior Walls		X				

Post-Installed Anchors					SIER	
<input checked="" type="checkbox"/> Verification of Installation	<b>X</b>					

Montgomery County Magistrate and  
Court Services Building

**Special Inspections Schedule Building Permit #:** \_\_\_\_\_

Scope of Service for Verification and Inspection	Continuous	Periodic	Reference Standard	Reference Standard	IBC	Party	Start/compl. date
<b>Masonry construction</b>			ACI 530/ASCE 5/TMS 602	ACI530.1/ASCE6/ TMS 602	1704.5		
<b>Masonry Level 1 Inspections</b>							
<b>1. As masonry construction begins, ensure compliance:</b>						SIER	
a. <input type="checkbox"/> Proportions of site prepared mortar		X		Art 2.6A			
b. <input type="checkbox"/> Construction of mortar joints		X		Art 3.3B			
c. <input type="checkbox"/> Location of reinforcement and connectors		X		Art 3.4,3.6			
d. <input type="checkbox"/> Pre-stressing technique		X		Art 3.6B			
e. <input type="checkbox"/> Grade and size of pre-stressing tendons and anchorage		X		Art 2.4B, 2.4H			
<b>2. Inspection shall verify:</b>						SIER	
a. <input type="checkbox"/> Size and location of structural elements		X		Art 3.3G			
b. <input type="checkbox"/> Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction		X	Sec 1.2.2(e), 2.1.4, 3.1.6				
c. <input type="checkbox"/> Specified size, grade, and type reinforcement		X	Sec 1.13	Art 2.4,3.4			
d. <input type="checkbox"/> Welding of reinforcing bars	X		Sec 2.1.10.7.2,3.3.3.4(b)				
e. <input type="checkbox"/> Protection masonry during cold weather (<40 F) or (>90 F)		X		Art 1.8C, 1.8D	2104.3-4		
f. <input type="checkbox"/> Application and measurement of pre-stressing force		X		Art 3.6B			
<b>3. Prior to grouting verify the following to insure compliance:</b>						SIER	
a. <input type="checkbox"/> Grout space is clean		X		Art 3.2			
b. <input type="checkbox"/> Placement of reinforcement, connectors, pre-stressing tendons and anchors		X	Sec 1.13	Art 3.4			
c. <input type="checkbox"/> Proportions of site prepares grout and pre-stressing grout for bonded tendons		X		Art 2.6B			
d. <input type="checkbox"/> Construction of mortar joints		X		Art 3.3B			
<b>4. Grout placement verified to assure compliance with code and construction documents:</b>	X			Art 3.5		SIER	
a. <input type="checkbox"/> Grouting of pre-stressed bonded tendons	X			Art 3.6C			
<b>5. Preparation of any grout or mortar specimens and/or prisms shall be observed.</b>	X			Art 1.4	2105.2.2, 2105.3	SIER	
<b>6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified</b>		X		Art 1.5		SIER	
<b>7. Other</b>							

Montgomery County Magistrate and  
Court Services Building

Scope of Service for Verification and Inspection							
Activity, Verification and Inspection	Continu-ous	Period-ic	Reference	Reference	IBC	Party	Start/compl. Date
<b>Masonry Level 2 Special Inspections</b>			ACI 530/ ASCE 5/ TMS 602	ACI 530.1/ASCE 6/ TMS 602			
1. From the beginning of masonry construction the following shall be verified:						SIER	
a. <input checked="" type="checkbox"/> Proportions of site prepared mortar, grout, pre-stressing grout for bonded tendons		X		Art. 2.6A			
b. <input checked="" type="checkbox"/> Placement of masonry units and construction of mortar joints		X		Art 3.3B			
c. <input checked="" type="checkbox"/> Placement of reinforcement, connector, pre-stressing tendons and anchorage		X	Sec 1.13	Art 3.4, 3.6A			
d. <input checked="" type="checkbox"/> Grout space clean prior to grout placement	X			Art 3.2D			
e. <input checked="" type="checkbox"/> Placement of grout	X			Art 3.5			
f. <input type="checkbox"/> Placement of pre-stressing grout	X			Art 3.6C			
2. The inspection shall verify:						SIER	
a. <input checked="" type="checkbox"/> Size and location of structural steel		X		Art 3.3G			
b. <input checked="" type="checkbox"/> Type, size and location of anchors including other details of anchorage of masonry to structural members, frames or other construction		X		Sec 1.2.2e, 2.1.4, 3.1.6			
c. <input checked="" type="checkbox"/> Specified size, grade and type of reinforcement		X	Sec 1.13	Art 2.4, 3.4			
d. <input type="checkbox"/> Welding of reinforcing bars	X		Sec 2.1.10.7.2, 3.3.3.4b				
e. <input checked="" type="checkbox"/> Protection from weather <40 F/ >90 F		X		Art 1.8C-D	2104.3, 2104.4		
f. <input type="checkbox"/> Application and measurement of pre-stressing force		X		Art 3.6B			
3. <input checked="" type="checkbox"/> Preparation of any required grout or mortar specimens, and/or prisms shall be observed	X			Art 1.4	2105.2.2, 2105.3	SIER	
4. <input checked="" type="checkbox"/> Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified	X, Grout Placement	X		TMS 602 Art 1.6		SIER	
<b>5. Other</b>							
<b>Wood Construction</b>					1704.3	SIER	
1. <input type="checkbox"/> Verify fabrication of wood structural element and assembly							
a. <input type="checkbox"/> Verify fabrication of wood structural member (specify element)		X					
b. <input type="checkbox"/> Verify assembly of structural elements		X					
2. High load diaphragms in accordance table 2306.3.2					1704.6.1	SIER	
a. <input type="checkbox"/> Verify grade and thickness of structural panel sheathing as shown on the approved construction documents		X					
b. <input type="checkbox"/> Verify nominal size of framing members at adjoining panel edges, nail spacing and length, the number of fastener lines and spacing between fasteners in each line and edge margins per approved construction documents		X					

Post-Installed Anchors						SIER	
<input checked="" type="checkbox"/> Verification of Installation	X						

Montgomery County Magistrate and  
Court Services Building

**Special Inspections Schedule**

**Building Permit#** \_\_\_\_\_

<b>Scope of Service for Verification and Inspection</b>						
<b>Activity, Verification And Inspection</b>	Continuous	Periodic	Reference:	IBC	Party	Start/ Compl. Date
<b>Soils</b>				1704.7	SIER	
1. <input type="checkbox"/> Controlled fill placed under site pad						
2. <input checked="" type="checkbox"/> Controlled fill placed under this permit	X					
3. <input checked="" type="checkbox"/> Verify materials below footing are adequate to achieve the design bearing capacity		X				
4. <input checked="" type="checkbox"/> Verify excavations are extended to proper depth and have reached proper material		X				
5. <input checked="" type="checkbox"/> Perform classification and testing of controlled fill materials		X				
6. <input checked="" type="checkbox"/> Verify use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill.	X					
7. <input checked="" type="checkbox"/> Prior to placement of controlled fill, observe sub grade verify that site has been properly prepared		X				
<b>Footing and Foundation</b>					SIER	
1. <input checked="" type="checkbox"/> Verify sub grade bearing, footing depth, footing dimension		X				
2. <input checked="" type="checkbox"/> Verify installation of tile drain		X				
<b>Pile Foundations</b>				1704.8	SIER	
1. <input type="checkbox"/> Verify pile material, sizes, and lengths comply with requirements	X					
2. <input type="checkbox"/> Determine capacities of test piles and conduct additional load tests as required	X					
3. <input type="checkbox"/> Observe driving operations and maintain complete and accurate records of each pile	X					
4. <input type="checkbox"/> Verify placement, location, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any pile damage	X					
5. <input type="checkbox"/> For steel piles perform additional inspections per 1704.3						
6. <input type="checkbox"/> For concrete piles perform additional inspections per 1704.4						
7. <input type="checkbox"/> For specialty piles perform additional inspections per RDPRC						
8. <input type="checkbox"/> For augered uncased and caissons piles addition inspections per 1704.9						
<b>Pier Foundations</b>				17004.9	SEIR	
1. <input type="checkbox"/> Observe drilling operations and maintain accurate and complete records of each pier	X					
2. <input type="checkbox"/> Verify placement locations, plumb, confirm pier diameters, bell diameters, lengths, embedment into bedrock, and adequate end bearing strata capacity	X					
3. <input checked="" type="checkbox"/> For concrete piers perform additional inspections per 1705.3		X		1705.3		
4. <input type="checkbox"/> For masonry piers perform additional inspections per 1704.5						

Montgomery County Magistrate and  
Court Services Building

**Special Inspections Schedule**      **Building Permit#** \_\_\_\_\_

<b>Scope of Service for Verification and Inspection</b>						
<b>Activity, Verification and Inspection</b>	Continuous	Periodic	Reference Standard	IBC	Party	Start/Comp. date
<b>Spray applied fire resistant materials</b>				1704.10	SIER	
1. <input type="checkbox"/> Verify structural member surface conditions		X				
2. <input type="checkbox"/> Verify application of materials per manufacturer's instructions	X	X				
3. <input type="checkbox"/> Verify thickness of applied materials		X				
4. <input type="checkbox"/> Verify bond strength/ adhesion of applied materials		X				
<b>Mastic and Intumescent Fire Resistant Coatings</b>			AWCI 12-B	1704.11	SIER	
1. <input type="checkbox"/> Verify structural member/deck surface conditions		X				
2. <input type="checkbox"/> Verify application of materials per manufacturer's instructions	X	X				
3. <input type="checkbox"/> Verify application thickness of materials		X				
4. <input type="checkbox"/> Verify bond strength/ adhesion of materials		X				
<b>Exterior Insulation and Finish System</b>				1704.12	SIER	
1. <input type="checkbox"/> Installed per approved construction documents						
2. <input type="checkbox"/> EIFS Contractor card, prepared and signed by EIFS installer after installation of the EIFS, attach to final Report of Special Inspections						
<b>Smoke Control Systems</b>				1704.14	SIER	
1. <input type="checkbox"/> Verify Compliance with required inspection provisions of approved construction documents and approved submittals						
2. <input type="checkbox"/> Submit detailed report of scope of services including protocol of inspections per 1704.14						
<b>Other</b>						
At the time of these inspections, all items inspected were in compliance with approved construction documents and VUSBC building permits were posted on site, E and S was found to be controlled and properly installed <input type="checkbox"/> Approved lot grading plan <input type="checkbox"/> approved lot grading plan and sound engineering practice <input type="checkbox"/> Sound engineering practice (only retaining wall that did not require an approved grading plan) <input type="checkbox"/> Sound engineering practice (only for additions, alterations or repairs)						
Name, company and address of Special Inspections Engineer of Record:						
Name, company and address of Inspection and Testing Agency:						
<b>Fire-Resistant Penetrations and Joints</b>					SIER	
<input checked="" type="checkbox"/> Penetration Firestop-Verification of Installation Conformance		X	1705.17.1			
<input checked="" type="checkbox"/> Joint Systems-Verification of Installation Conformance		X	1705.17.2			
<b>Fire Wall Assembly</b>					SIER	
<input checked="" type="checkbox"/> Verification of Placement of Materials		X	Specs, 706.2			
<b>Thermoplastic Polyolefin (TPO) Roofing</b>					SIER	
<input checked="" type="checkbox"/> Roofing-Verification of Installation		X	Specs			

Montgomery County Magistrate and  
Court Services Building

**Special Inspections Schedule**      **Building Permit#** \_\_\_\_\_

**Special Inspection Schedule for Earth Retaining Structures**

**Type of Retaining Wall:**  Earth wall    Reinforced Earth w/geogrid    Masonry    Sheet Pile    Cast in place concrete     
Timber pile    H pile    Other \_\_\_\_\_

Activity	Scope of Service for Verification and Inspection	Responsible Party	Start/ Compl. date
Footing, Foundation	<input checked="" type="checkbox"/> Compacted earth <input type="checkbox"/> Gravel: <input type="checkbox"/> 21A <input type="checkbox"/> 57 <input type="checkbox"/> Concrete reinforcement <input type="checkbox"/> Concrete <input type="checkbox"/> Pile or Caissons <input type="checkbox"/> Other	SIER	
Backfill Information	<input checked="" type="checkbox"/> Drains per plan <input checked="" type="checkbox"/> Compacted fill: <input type="checkbox"/> Onsite material or <input checked="" type="checkbox"/> Offsite material	SIER	
Wall Geometry	<input type="checkbox"/> Batter per plan <input checked="" type="checkbox"/> Height per plan <input type="checkbox"/> Surcharge per plan <input type="checkbox"/> Slope of fill per plan	SIER	
Compaction Testing	<input type="checkbox"/> Per approved drawings <input checked="" type="checkbox"/> Per geotechnical engineer's recommendation <input type="checkbox"/> Compaction test not needed	SIER	
Layout Information	<input checked="" type="checkbox"/> Per approved plan <input type="checkbox"/> Per approved revised plan	SIER	

At the time of these inspections, all items inspected were in compliance with approved construction documents and VUSBC building permits were posted on site, E and S was found to be controlled and properly installed:

- Approved lot grading plan    approved lot grading plan and sound engineering practice
- Sound engineering practice (only retaining wall that did not require an approved grading plan)
- Sound engineering practice (only for additions, alterations or repairs)

Name, company and address of Special Inspections Engineer of Record:

Keith Almoney, Thompson & Litton, Inc. 726 Auburn Ave, Radford, VA 24141

Name, company and address of Inspection and Testing Agency:

Steve Winter, Schnabel Engineering, 1901 South Main St., Suite 11, Blacksburg, VA 24060



TOWN OF CHRISTIANSBURG  
**STATEMENT OF SPECIAL INSPECTIONS**

**Building Permit #:** \_\_\_\_\_ **VUSBC Edition:** 2018  
**Project Name:** Montgomery County Jail Sallyport **Group:** I-3 **Construction type:** IIB  
**Project Address:** 95 First Street, SE, Christiansburg, VA 24073  
**Building Owner's Name: (Print)** Montgomery County **(Sign)** \_\_\_\_\_  
**Owner's Address:** 755 Roanoke Street, Christiansburg, VA 24073

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the VUSBC. The Special Inspections Schedule is an integral part of the Statement of Special Inspections.

The Special Inspections Engineer of Record (SIER) shall keep records of special inspections and shall furnish copies of inspections and testing reports to the Town of Christiansburg Building Department and to the Registered Design Professional in Responsible Charge (RDPRC). Discrepancies from the approved plans and specifications and code violations observed during conduct of special inspections services shall be brought to the immediate attention of the contractor for correction, to the attention of the Town of Christiansburg Building Department, and to the RDPRC. A Final Report of Special Inspections, documenting completion of specified special inspections and correction of any discrepancies and observed code violations shall be submitted to and approved by the Town of Christiansburg Building Department prior to the concealment inspection by the Town of Christiansburg Building Department.

**Note 1:** For retaining walls use pages 1 and 8 only

**Note 2:** For smoke control systems, a separate Statement of Special Inspections is required in addition to that submitted for the rest of the project. The Mechanical Engineer of Record will sign off as RDPRC for the smoke control system. The SIER for the smoke control system shall have expertise in fire protection, mechanical engineering and certification as an air balancer.

**Please provide the Name, License and Company information of the following:**

**Permit Applicant (If not Owner):**

Signature / Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

**Owner's Authorization (If other than Applicant):**

Signature / Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

**Primary Registered Design Professional in charge of the project:**

*(Review and Acceptance of Schedule)*

Signature / Date: Keith A. Almoney 11/17/23

Printed Name: Keith A. Almoney, PE

**Architect of Record:**

Signature / Date: Erica F. Sunshine 11/17/23

Printed Name: Erica F. Sunshine, AIA

**Geotechnical Engineer of Record:**

Signature / Date: \_\_\_\_\_

Printed Name: Steven J. Winter, P.E.

schedule of Special Inspections Prepared By:  
Keith A. Almoney, PE

**Special Inspector/ Engineer of Record:**

Signature / Date: \_\_\_\_\_

Printed Name: Steven J. Winter, P.E.

**Building Official's Acceptance:**

Signature / Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Registered Design Professionals Seal



Montgomery County Jail Sallyport

**Scope of Service for Verification and Inspection**

	Continuous	Periodic	Ref. Std.	IBC	Party	Start/Completion Date
Activity, verification, and inspection						
<b>Steel Construction</b>				1704.3		
<b>1. High strength bolts, nuts and washers</b>			Applicable ASTM material specifications; AISC 360 Sec. A3.3		SIER	
a. <input checked="" type="checkbox"/> Identification markings conform to ASTM specified in the approved construction documents		X				
b. <input checked="" type="checkbox"/> Manufacture certificate of compliance		X				
<b>2. High strength bolting</b>				1708.4	SIER	
a. <input checked="" type="checkbox"/> Bearing type connection		X	AISC 360, M2.5			
b. <input type="checkbox"/> slip critical connections	X	X				
<b>3. Structural steel</b>					SIER	
a. <input checked="" type="checkbox"/> Identification markings conform to ASTM specified in the approved construction documents			ASTM 6 or ASTM A 568			
b. <input checked="" type="checkbox"/> manufacturer's certified mill test reports						
<b>4. Weld filler</b>			AISC, Sec. A3.5		SIER	
a. <input checked="" type="checkbox"/> Identification markings conform to ASTM specified in the approved construction documents		X	AISC 360, N5.4			
b. <input checked="" type="checkbox"/> Manufacturer's certificate of compliance required						
<b>5. Welding</b>			AWS D1.1	1704.3.1	SIER	
a. Structural steel						
1. <input checked="" type="checkbox"/> Complete partial penetration groove welds	X					
2. <input type="checkbox"/> Multi-pass fillet welds	X					
3. <input type="checkbox"/> Single-pass fillet welds >5/16"	X					
4. <input checked="" type="checkbox"/> Single pass fillet welds < or = 5/16"		X				
5. <input checked="" type="checkbox"/> Floor and roof deck welding		X	AWS D1.3			
b. Reinforcing steel			AWS D1.4, ACI 318:3.5.2			
1. <input type="checkbox"/> Verification of weld-ability of reinforcing steel other than ASTM 706						
2. <input type="checkbox"/> Reinforcing steel- resisting flexural and axial forces intermediate and special moment frames, and boundary elements of special reinforcing concrete shear walls and shear reinforcement	X					
3. <input type="checkbox"/> Shear reinforcement	X					
4. <input type="checkbox"/> Other reinforcement						
<b>6. Steel joint details</b>		X		1704.3.2	SIER	
a. <input checked="" type="checkbox"/> Details such as bracing and stiffening		X	AISC 360, N5.5 & N5.6	1705.2.1		
b. <input checked="" type="checkbox"/> Member locations		X	AISC 360, N5.5 & N5.6	1705.2.1		
c. <input checked="" type="checkbox"/> Application of joint details at each connection		X	AISC 360, N5.5 & N5.6	1705.2.1		
<b>7. Steel Fabrication</b>				1704.2	SIER	
a. <input type="checkbox"/> Fabricator is AISC certified						
b. <input checked="" type="checkbox"/> Verify that fabricator maintains detailed fabrication and quality control procedures		X	AISC 360, Chapter N	1704.2		
<b>8. Others</b> <input checked="" type="checkbox"/> Steel Fabricator Shop Inspections		X	AISC 360, Chapter N	1704.2		

Open-Web Steel Joist					SIER	
<input checked="" type="checkbox"/> End Connections & Bridging Installation		X	1705.2.3			

**Special Inspections Schedule Building Permit # \_\_\_\_\_**

Scope of Service for Verification and inspection						
Activity, verification and Inspection	Continuous	Periodic	Ref. Std.	IBC	Party	Start/comp. date
<b>Concrete construction</b>				1704.4	SIER	
1. <input checked="" type="checkbox"/> Reinforcing steel including pre-stressing tendons and placement		X	ACI 318: 3.5, 7.2-7.7	1913.4		
2. <input type="checkbox"/> Reinforcing steel welding			AWS D1.4, ACI 318:3.5.2			
3. <input checked="" type="checkbox"/> Bolts installed in concrete	X			1911.5		
4. <input checked="" type="checkbox"/> Verify use of design mix		X	ACI:Ch.4, 5.2-5.4	1904.2.2, 1913.2, 1913.3		
5. <input checked="" type="checkbox"/> At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X		ASTM C 172, ASTM C 31, ACI 318: 5.6, 5.8	1913.10		
6. <input checked="" type="checkbox"/> Inspection of concrete and shotcrete placement for proper application techniques	X		ACI 318:5.9-5.10	1913.6-8		
7. <input checked="" type="checkbox"/> Inspection and maintenance of curing temperature and techniques		X	ACI 318: 5.11-5.13	1913.9		
8. Inspections of pre-stressed concrete: a. <input type="checkbox"/> Application of pre-stressed forces b. <input type="checkbox"/> grouting of bonded pre-stressing tendons in the seismic force resisting system	X		ACI 318: 18.20, 18.18.4			
9. <input type="checkbox"/> Manufacture of precast/ tilt-up concrete panels				1704.2		
10. <input type="checkbox"/> Erection of precast/ tilt-up panels concrete members			ACI 318: Ch. 16			
11. <input type="checkbox"/> Verification of in-situ concrete strength , prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs		X	ACI 318: 6.2			
12. <input checked="" type="checkbox"/> Inspect form work for shape, location and dimensions of the concrete member being formed		X	ACI 318: 6.1.1			
13. <input checked="" type="checkbox"/> <b>Other</b> Installation of Expansion/Isolation Joints at Columns & Exterior Walls		X				

Post-Installed Anchors					SIER	
<input checked="" type="checkbox"/> Verification of Installation	<b>X</b>					

Montgomery County Jail Sallyport

**Special Inspections Schedule Building Permit #:** \_\_\_\_\_

Scope of Service for Verification and Inspection	Continuous	Periodic	Reference Standard	Reference Standard	IBC	Party	Start/compl. date
<b>Masonry construction</b>			ACI 530/ASCE 5/TMS 602	ACI530.1/ASCE6/ TMS 602	1704.5		
<b>Masonry Level 1 Inspections</b>							
<b>1. As masonry construction begins, ensure compliance:</b>						SIER	
a. <input type="checkbox"/> Proportions of site prepared mortar		X		Art 2.6A			
b. <input type="checkbox"/> Construction of mortar joints		X		Art 3.3B			
c. <input type="checkbox"/> Location of reinforcement and connectors		X		Art 3.4,3.6			
d. <input type="checkbox"/> Pre-stressing technique		X		Art 3.6B			
e. <input type="checkbox"/> Grade and size of pre-stressing tendons and anchorage		X		Art 2.4B, 2.4H			
<b>2. Inspection shall verify:</b>						SIER	
a. <input type="checkbox"/> Size and location of structural elements		X		Art 3.3G			
b. <input type="checkbox"/> Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction		X	Sec 1.2.2(e), 2.1.4, 3.1.6				
c. <input type="checkbox"/> Specified size, grade, and type reinforcement		X	Sec 1.13	Art 2.4,3.4			
d. <input type="checkbox"/> Welding of reinforcing bars	X		Sec 2.1.10.7.2,3.3.3.4(b)				
e. <input type="checkbox"/> Protection masonry during cold weather (<40 F) or (>90 F)		X		Art 1.8C, 1.8D	2104.3-4		
f. <input type="checkbox"/> Application and measurement of pre-stressing force		X		Art 3.6B			
<b>3. Prior to grouting verify the following to insure compliance:</b>						SIER	
a. <input type="checkbox"/> Grout space is clean		X		Art 3.2			
b. <input type="checkbox"/> Placement of reinforcement, connectors, pre-stressing tendons and anchors		X	Sec 1.13	Art 3.4			
c. <input type="checkbox"/> Proportions of site prepares grout and pre-stressing grout for bonded tendons		X		Art 2.6B			
d. <input type="checkbox"/> Construction of mortar joints		X		Art 3.3B			
<b>4. Grout placement verified to assure compliance with code and construction documents:</b>	X			Art 3.5		SIER	
a. <input type="checkbox"/> Grouting of pre-stressed bonded tendons	X			Art 3.6C			
<b>5. Preparation of any grout or mortar specimens and/or prisms shall be observed.</b>	X			Art 1.4	2105.2.2, 2105.3	SIER	
<b>6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified</b>		X		Art 1.5		SIER	
<b>7. Other</b>							

Montgomery County Jail Sallyport

Scope of Service for Verification and Inspection							
Activity, Verification and Inspection	Continu-ous	Period-ic	Reference	Reference	IBC	Party	Start/compl. Date
<b>Masonry Level 2 Special Inspections</b>			ACI 530/ ASCE 5/ TMS 602	ACI 530.1/ASCE 6/ TMS 602			
1. From the beginning of masonry construction the following shall be verified:						SIER	
a. <input checked="" type="checkbox"/> Proportions of site prepared mortar, grout, pre-stressing grout for bonded tendons		X		Art. 2.6A			
b. <input checked="" type="checkbox"/> Placement of masonry units and construction of mortar joints		X		Art 3.3B			
c. <input checked="" type="checkbox"/> Placement of reinforcement, connector, pre-stressing tendons and anchorage		X	Sec 1.13	Art 3.4, 3.6A			
d. <input checked="" type="checkbox"/> Grout space clean prior to grout placement	X			Art 3.2D			
e. <input checked="" type="checkbox"/> Placement of grout	X			Art 3.5			
f. <input type="checkbox"/> Placement of pre-stressing grout	X			Art 3.6C			
2. The inspection shall verify:						SIER	
a. <input checked="" type="checkbox"/> Size and location of structural steel		X		Art 3.3G			
b. <input checked="" type="checkbox"/> Type, size and location of anchors including other details of anchorage of masonry to structural members, frames or other construction		X		Sec 1.2.2e, 2.1.4, 3.1.6			
c. <input checked="" type="checkbox"/> Specified size, grade and type of reinforcement		X	Sec 1.13	Art 2.4, 3.4			
d. <input type="checkbox"/> Welding of reinforcing bars	X		Sec 2.1.10.7.2, 3.3.3.4b				
e. <input checked="" type="checkbox"/> Protection from weather <40 F/ >90 F		X		Art 1.8C-D	2104.3, 2104.4		
f. <input type="checkbox"/> Application and measurement of pre-stressing force		X		Art 3.6B			
3. <input checked="" type="checkbox"/> Preparation of any required grout or mortar specimens, and/or prisms shall be observed	X			Art 1.4	2105.2.2, 2105.3	SIER	
4. <input checked="" type="checkbox"/> Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified	X, Grout Placement	X		TMS 602 Art 1.6		SIER	
<b>5. Other</b>							
<b>Wood Construction</b>					1704.3	SIER	
1. <input type="checkbox"/> Verify fabrication of wood structural element and assembly							
a. <input type="checkbox"/> Verify fabrication of wood structural member (specify element)		X					
b. <input type="checkbox"/> Verify assembly of structural elements		X					
2. High load diaphragms in accordance table 2306.3.2					1704.6.1	SIER	
a. <input type="checkbox"/> Verify grade and thickness of structural panel sheathing as shown on the approved construction documents		X					
b. <input type="checkbox"/> Verify nominal size of framing members at adjoining panel edges, nail spacing and length, the number of fastener lines and spacing between fasteners in each line and edge margins per approved construction documents		X					

Post-Installed Anchors						SIER	
<input checked="" type="checkbox"/> Verification of Installation	X						

**Special Inspections Schedule**

**Building Permit#** \_\_\_\_\_

<b>Scope of Service for Verification and Inspection</b>						
<b>Activity, Verification And Inspection</b>	Continuous	Periodic	Reference:	IBC	Party	Start/ Compl. Date
<b>Soils</b>				1704.7	SIER	
1. <input type="checkbox"/> Controlled fill placed under site pad						
2. <input checked="" type="checkbox"/> Controlled fill placed under this permit	X					
3. <input checked="" type="checkbox"/> Verify materials below footing are adequate to achieve the design bearing capacity		X				
4. <input checked="" type="checkbox"/> Verify excavations are extended to proper depth and have reached proper material		X				
5. <input checked="" type="checkbox"/> Perform classification and testing of controlled fill materials		X				
6. <input checked="" type="checkbox"/> Verify use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill.	X					
7. <input checked="" type="checkbox"/> Prior to placement of controlled fill, observe sub grade verify that site has been properly prepared		X				
<b>Footing and Foundation</b>					SIER	
1. <input checked="" type="checkbox"/> Verify sub grade bearing, footing depth, footing dimension		X				
2. <input checked="" type="checkbox"/> Verify installation of tile drain		X				
<b>Pile Foundations</b>				1704.8	SIER	
1. <input type="checkbox"/> Verify pile material, sizes, and lengths comply with requirements	X					
2. <input type="checkbox"/> Determine capacities of test piles and conduct additional load tests as required	X					
3. <input type="checkbox"/> Observe driving operations and maintain complete and accurate records of each pile	X					
4. <input type="checkbox"/> Verify placement, location, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any pile damage	X					
5. <input type="checkbox"/> For steel piles perform additional inspections per 1704.3						
6. <input type="checkbox"/> For concrete piles perform additional inspections per 1704.4						
7. <input type="checkbox"/> For specialty piles perform additional inspections per RDPRC						
8. <input type="checkbox"/> For augered uncased and caissons piles addition inspections per 1704.9						
<b>Pier Foundations</b>				17004.9	SEIR	
1. <input type="checkbox"/> Observe drilling operations and maintain accurate and complete records of each pier	X					
2. <input type="checkbox"/> Verify placement locations, plumb, confirm pier diameters, bell diameters, lengths, embedment into bedrock, and adequate end bearing strata capacity	X					
3. <input checked="" type="checkbox"/> For concrete piers perform additional inspections per 1705.3		X		1705.3		
4. <input type="checkbox"/> For masonry piers perform additional inspections per 1704.5						

Montgomery County Jail Sallyport

**Special Inspections Schedule**      **Building Permit#** \_\_\_\_\_

<b>Scope of Service for Verification and Inspection</b>						
<b>Activity, Verification and Inspection</b>	Continuous	Periodic	Reference Standard	IBC	Party	Start/Comp. date
<b>Spray applied fire resistant materials</b>				1704.10	SIER	
1. <input type="checkbox"/> Verify structural member surface conditions		X				
2. <input type="checkbox"/> Verify application of materials per manufacturer's instructions	X	X				
3. <input type="checkbox"/> Verify thickness of applied materials		X				
4. <input type="checkbox"/> Verify bond strength/ adhesion of applied materials		X				
<b>Mastic and Intumescent Fire Resistant Coatings</b>			AWCI 12-B	1704.11	SIER	
1. <input type="checkbox"/> Verify structural member/deck surface conditions		X				
2. <input type="checkbox"/> Verify application of materials per manufacturer's instructions	X	X				
3. <input type="checkbox"/> Verify application thickness of materials		X				
4. <input type="checkbox"/> Verify bond strength/ adhesion of materials		X				
<b>Exterior Insulation and Finish System</b>				1704.12	SIER	
1. <input type="checkbox"/> Installed per approved construction documents						
2. <input type="checkbox"/> EIFS Contractor card, prepared and signed by EIFS installer after installation of the EIFS, attach to final Report of Special Inspections						
<b>Smoke Control Systems</b>				1704.14	SIER	
1. <input type="checkbox"/> Verify Compliance with required inspection provisions of approved construction documents and approved submittals						
2. <input type="checkbox"/> Submit detailed report of scope of services including protocol of inspections per 1704.14						
<b>Other</b>						
At the time of these inspections, all items inspected were in compliance with approved construction documents and VUSBC building permits were posted on site, E and S was found to be controlled and properly installed <input type="checkbox"/> Approved lot grading plan <input type="checkbox"/> approved lot grading plan and sound engineering practice <input type="checkbox"/> Sound engineering practice (only retaining wall that did not require an approved grading plan) <input type="checkbox"/> Sound engineering practice (only for additions, alterations or repairs)						
Name, company and address of Special Inspections Engineer of Record:						
Name, company and address of Inspection and Testing Agency:						
<b>Fire-Resistant Penetrations and Joints</b>					SIER	
<input checked="" type="checkbox"/> Penetration Firestop-Verification of Installation Conformance		X	1705.17.1			
<input checked="" type="checkbox"/> Joint Systems-Verification of Installation Conformance		X	1705.17.2			
<b>Fire Wall Assembly</b>					SIER	
<input checked="" type="checkbox"/> Verification of Placement of Materials		X	Specs, 706.2			
<b>Thermoplastic Polyolefin (TPO) Roofing</b>					SIER	
<input checked="" type="checkbox"/> Roofing-Verification of Installation		X	Specs			

Montgomery County Jail Sallyport

**Special Inspections Schedule**      **Building Permit#** \_\_\_\_\_

**Special Inspection Schedule for Earth Retaining Structures**

**Type of Retaining Wall:**  Earth wall    Reinforced Earth w/geogrid    Masonry    Sheet Pile    Cast in place concrete    Timber pile    H pile    Other \_\_\_\_\_

Activity	Scope of Service for Verification and Inspection	Responsible Party	Start/ Compl. date
Footing, Foundation	<input type="checkbox"/> Compacted earth <input type="checkbox"/> Gravel: <input type="checkbox"/> 21A <input type="checkbox"/> 57 <input type="checkbox"/> Concrete reinforcement <input type="checkbox"/> Concrete <input type="checkbox"/> Pile or Caissons <input type="checkbox"/> Other		
Backfill Information	<input type="checkbox"/> Drains per plan <input type="checkbox"/> Compacted fill: <input type="checkbox"/> Onsite material or <input type="checkbox"/> Offsite material		
Wall Geometry	<input type="checkbox"/> Batter per plan <input type="checkbox"/> Height per plan <input type="checkbox"/> Surcharge per plan <input type="checkbox"/> Slope of fill per plan		
Compaction Testing	<input type="checkbox"/> Per approved drawings <input type="checkbox"/> Per geotechnical engineer's recommendation <input type="checkbox"/> Compaction test not needed		
Layout Information	<input type="checkbox"/> Per approved plan <input type="checkbox"/> Per approved revised plan		

At the time of these inspections, all items inspected were in compliance with approved construction documents and VUSBC building permits were posted on site, E and S was found to be controlled and properly installed:

- Approved lot grading plan    approved lot grading plan and sound engineering practice
- Sound engineering practice (only retaining wall that did not require an approved grading plan)
- Sound engineering practice (only for additions, alterations or repairs)

Name, company and address of Special Inspections Engineer of Record:

Keith Almone, Thompson & Litton, Inc. 726 Auburn Ave, Radford, VA 24141

Name, company and address of Inspection and Testing Agency:

Steve Winter, Schnabel Engineering, 1901 South Main St., Suite 11, Blacksburg, VA 24060

## **SECTION 07 1113 - BITUMINOUS DAMPPROOFING**

### **PART 1 GENERAL**

#### **1.1 SECTION INCLUDES**

- A. Bituminous dampproofing.

#### **1.2 RELATED REQUIREMENTS**

#### **1.3 REFERENCE STANDARDS**

- A. ASTM D41/D41M - Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing 2011 (Reapproved 2016).
- B. NRCA (WM) - The NRCA Waterproofing Manual 2005.

#### **1.4 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide properties of primer, bitumen, and mastics.
- C. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

#### **1.5 FIELD CONDITIONS**

- A. Maintain ambient temperatures above 40 degrees F for 24 hours before and during application until dampproofing has cured.

### **PART 2 PRODUCTS**

#### **2.1 BITUMINOUS DAMPPROOFING**

- A. Bituminous Dampproofing: Cold-applied, spray-grade; asphalt base, volatile petroleum solvents, and other content, suitable for application by spray, brush, roller, or squeegee; asbestos-free; suitable for application on vertical and horizontal surfaces.
  - 1. Composition: ASTM D4479/D4479M Type I, minimum, asbestos free.
  - 2. V C Content: Not more than permitted by local, State, and federal regulations.
  - 3. Applied Thickness: 1/16 inch, minimum, wet film.

#### **2.2 BITUMEN MATERIALS**

- A. Cold Asphaltic Type:
  - 1. Bitumen: Asphalt emulsion, ASTM D3747.
  - 2. Asphalt Primer: ASTM D41/D41M, compatible with substrate.



## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Verify existing conditions are acceptable prior to starting this work.
- B. Verify substrate surfaces are durable, free of matter detrimental to adhesion or application of dampproofing system.
- C. Verify that items penetrating surfaces to receive dampproofing are securely installed.

### **3.2 PREPARATION**

- A. Protect adjacent surfaces not designated to receive dampproofing.
- B. Clean and prepare surfaces to receive dampproofing in accordance with manufacturer's instructions.
- C. Do not apply dampproofing to surfaces unacceptable to manufacturer.
- D. Apply mastic to seal penetrations, small cracks, or minor honeycombs in substrate.

### **3.3 APPLICATION**

- A. Foundation Walls: Apply two coats of asphalt dampproofing.
- B. Perform this work in accordance with manufacturer's instructions and NRCA (WM) applicable requirements.
- C. Prime surfaces in accordance with manufacturer's instructions and NRCA (WM) applicable requirements.
- D. Apply bitumen by spray application.
- E. Apply bitumen at a temperature limited by equiviscous temperature (EVT) plus or minus 25 degrees F; do not exceed finish blowing temperature for four hours.
- F. Apply bitumen in two coats, continuous and uniform, at a rate of 25 sq ft/gal per coat.
- G. Apply from 2 inches below finish grade elevation down to top of footings.
- H. Seal items watertight with mastic, that project through dampproofing surface.

**END OF SECTION**

## **SECTION 07 1613 - POLYMER MODIFIED CEMENT WATERPROOFING**

### **PART 1 GENERAL**

#### **1.1 SECTION INCLUDES**

- A. Waterproofing coating for exposed surfaces of retaining walls.

#### **1.2 RELATED REQUIREMENTS**

- A. Section 03 3000 - Cast-in-Place Concrete: Concrete to be waterproofed.

#### **1.3 REFERENCE STANDARDS**

- A. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens) 2016a.
- B. ASTM C666/C666M - Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing 2015.
- C. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers--Tension 2016.

#### **1.4 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
  - 4. Details of joints and intersections.
- C. Certification: Provide manufacturer's certification that waterproofing to be provided is suitable for the purpose specified and the locations where it is intended to be installed and that the requirements of Contract Documents do not preclude satisfactory installation and performance.

#### **1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver products to project site in manufacturer's original packaging, marked with manufacturer's product identification.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Keep stored products dry; store under cover and elevated above grade.

#### **1.6 FIELD CONDITIONS**

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

## **1.7 WARRANTY**

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.

## **PART 2 PRODUCTS**

### **2.1 MATERIALS**

- A. Polymer-Modified Cement Waterproofing for Surfaces Exposed to View and Surfaces Concealed but Not Subject to Hydrostatic Pressure: Manufactured slurry coating of Portland or hydraulic cement, aggregates, polymer admixtures, and water; no solvents; for application directly to cementitious substrate.
  - 1. Explicitly recommended by manufacturer as waterproofing, not simply as dampproofing.
  - 2. Approved by manufacturer for use below grade.
  - 3. Elongation at Failure: 20 percent, minimum, when tested in accordance with ASTM D412.
  - 4. Crack Bridging Capability: Able to bridge new cracks of up to 0.02 inch, unreinforced.
  - 5. Water Vapor Transmission: MINIMUM permeance of finished coating of 1 perm, when tested in accordance with ASTM E96/E96M.
  - 6. Freeze-Thaw Durability: No change when tested in accordance with ASTM C666/C666M for 300 cycles.
  - 7. Compressive Strength: 5,000 psi, minimum, at 28 days, when tested in accordance with ASTM C109/C109M.
  - 8. Finished Coating Thickness: As recommended by manufacturer for the specific application but not less than 1/16 inch.
  - 9. Color: Cement gray.
- B. Crack Repair Material, Joint Tape, and Reinforcing: Type and application as recommended by waterproofing manufacturer.
- C. Water: Clean, clear, non-alkaline potable water, free of salts and other harmful elements.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Examine surfaces where waterproofing is to be applied for conditions detrimental to satisfactory performance.

- B. Do not begin installation until substrates have been properly prepared.
- C. If substrate preparation is the responsibility of another installer, notify Architect/Engineer of unsatisfactory preparation before proceeding.

### **3.2 PREPARATION**

- A. Remove defective concrete and rebuild to original profiles.
- B. Plug active leaks according to waterproofing manufacturer's instructions.
- C. Patch holes and non-moving cracks and joints.
- D. Clean and prepare surfaces thoroughly prior to installation; schedule cleaning and preparation so that residue will not fall on newly coated, uncured surfaces.
- E. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions. Use sandblasting, water blasting, or acid etching as recommended.
- F. Application of waterproofing constitutes acceptance of substrates.
- G. Protect other work from fallout, overspray, and spatter from waterproofing application; provide temporary enclosures and covers as necessary to do so.

### **3.3 INSTALLATION**

- A. Install waterproofing in accordance with manufacturer's instructions and recommendations unless more stringent requirements are indicated.
- B. Perform installation only during ambient and substrate conditions recommended by manufacturer; provide temporary enclosures and/or temporary heating as necessary to do so.
- C. Fill voids and holes prior to application of first coat.
- D. Apply the number of coats and at the rates recommended by manufacturer for the specific application but not less than specified minimum thickness; apply at least two coats unless one coat is specifically indicated.
- E. Extend waterproofing to all surfaces in areas indicated to form continuous waterproofed surfaces.
  - 1. At horizontal surfaces, extend waterproofing down and into pits, sumps, trenches, and similar features and up and onto curbs, bases, stair risers, and similar features.
  - 2. At vertical surfaces, extend waterproofing into and over integral columns, pilasters, pipe chases, and similar features.
- F. Cure waterproofing by recommended methods for recommended period prior to making waterproofed area available for use or occupancy; protect from too rapid drying, severe weather exposure, and water accumulation.

1. Hot, Dry Weather: Use wet-cure methods regardless of manufacturer's instructions.
  2. Do not use covers that could stain waterproofing surfaces.
  3. Do not use chemical curing agents unless explicitly approved by waterproofing manufacturer.
  4. Do not expose waterproofing to sunlight for minimum of 72 hours after placement.
- G. Do not backfill, fill water or liquid holding structures, or apply finish coatings until time period recommended by manufacturer has passed.

### **3.4 PROTECTION**

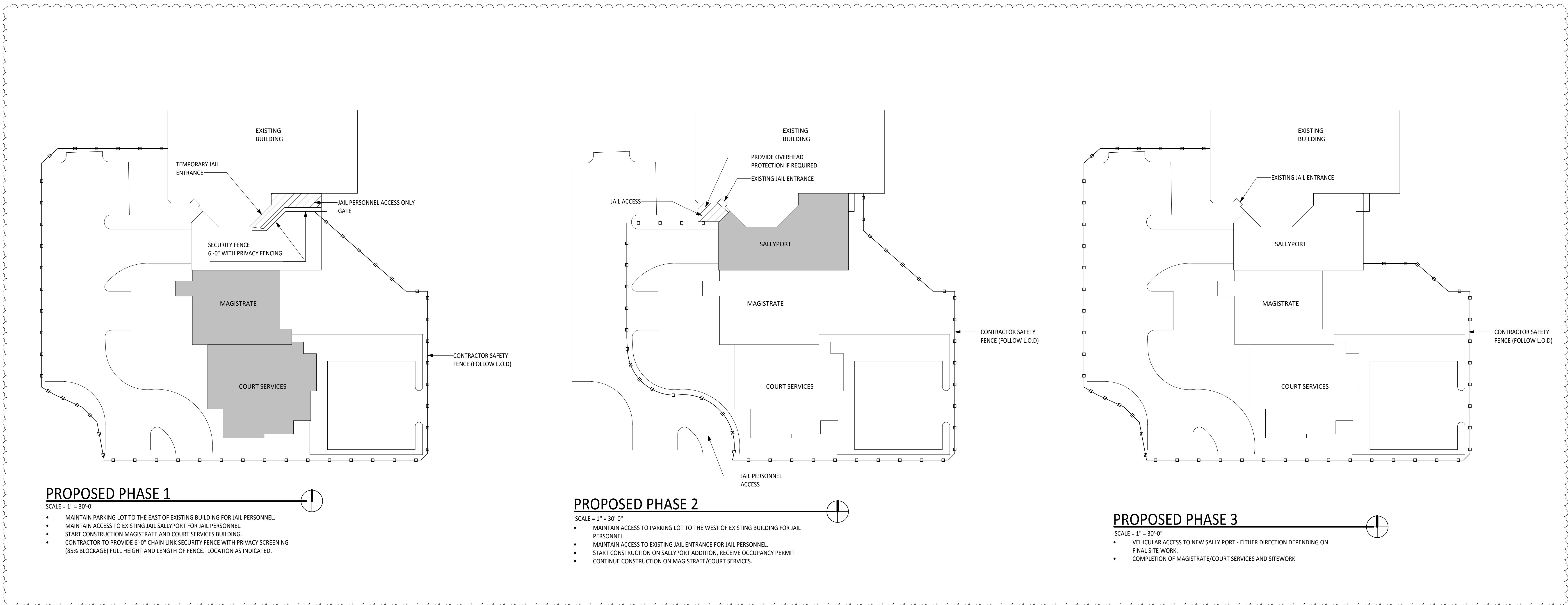
- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

**END OF SECTION**



**MONTGOMERY COUNTY MAGISTRATE AND COURT SERVICES BUILDING**

**PROPOSED PHASING PLANS**



**PROPOSED PHASE 1**

SCALE = 1" = 30'-0"

- MAINTAIN PARKING LOT TO THE EAST OF EXISTING BUILDING FOR JAIL PERSONNEL.
- MAINTAIN ACCESS TO EXISTING JAIL SALLYPORT FOR JAIL PERSONNEL.
- START CONSTRUCTION MAGISTRATE AND COURT SERVICES BUILDING.
- CONTRACTOR TO PROVIDE 6'-0" CHAIN LINK SECURITY FENCE WITH PRIVACY SCREENING (85% BLOCKAGE) FULL HEIGHT AND LENGTH OF FENCE. LOCATION AS INDICATED.

**PROPOSED PHASE 2**

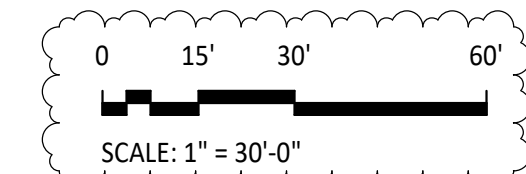
SCALE = 1" = 30'-0"

- MAINTAIN ACCESS TO PARKING LOT TO THE WEST OF EXISTING BUILDING FOR JAIL PERSONNEL.
- MAINTAIN ACCESS TO EXISTING JAIL ENTRANCE FOR JAIL PERSONNEL.
- START CONSTRUCTION ON SALLYPORT ADDITION, RECEIVE OCCUPANCY PERMIT
- CONTINUE CONSTRUCTION ON MAGISTRATE/COURT SERVICES.

**PROPOSED PHASE 3**

SCALE = 1" = 30'-0"

- VEHICULAR ACCESS TO NEW SALLY PORT - EITHER DIRECTION DEPENDING ON FINAL SITE WORK.
- COMPLETION OF MAGISTRATE/COURT SERVICES AND SITEWORK



DATE	11/17/2023	ADDENDUM NO. 2	PROPOSED PHASING PLANS
NO.	3	ADDENDUM NO. 1	

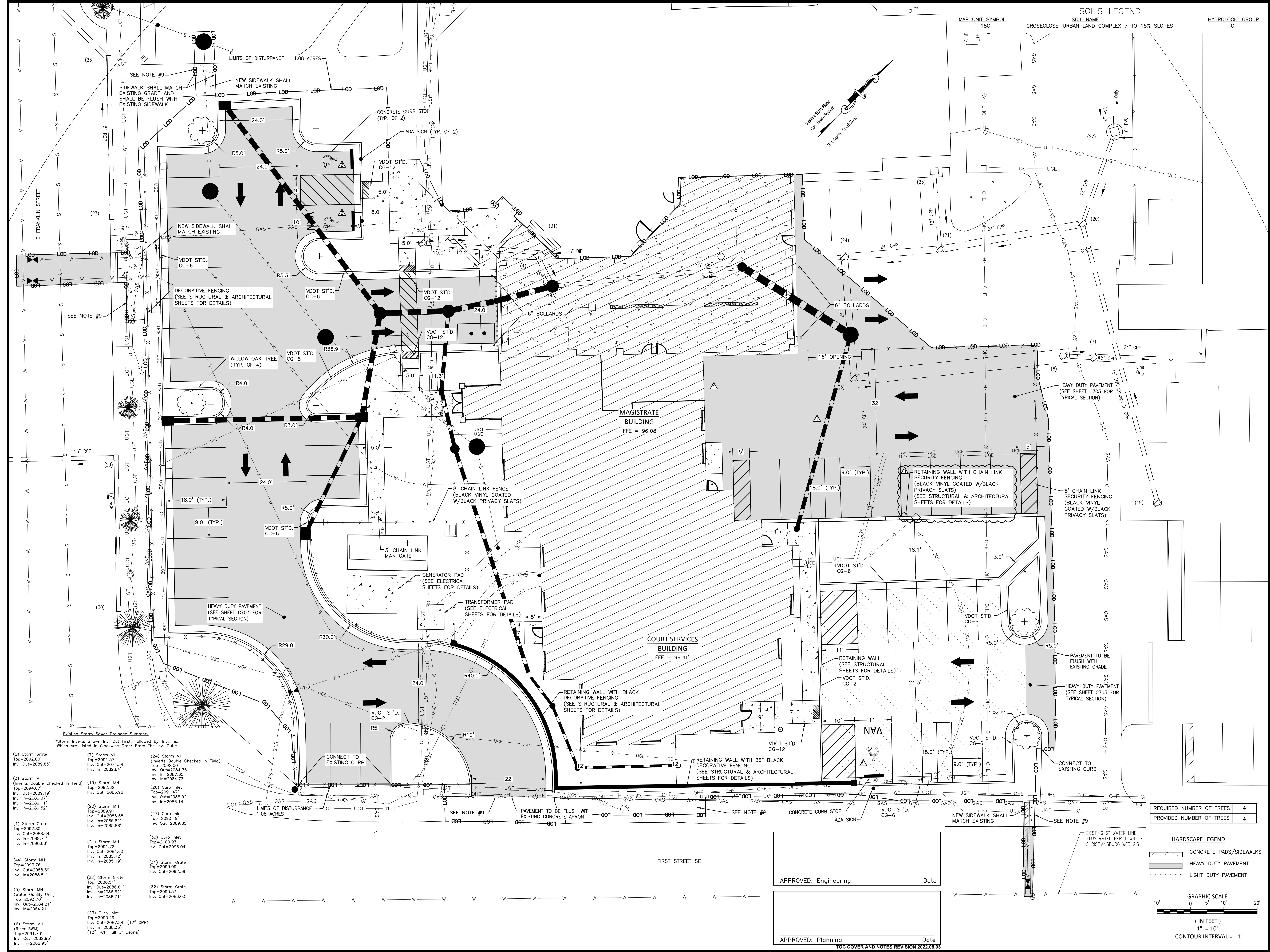
Designed	EFS
Drawn	TWM
Checked	EFS
Date	10/11/2023

Project No.  
**16910**



Sheet No.  
**G004**



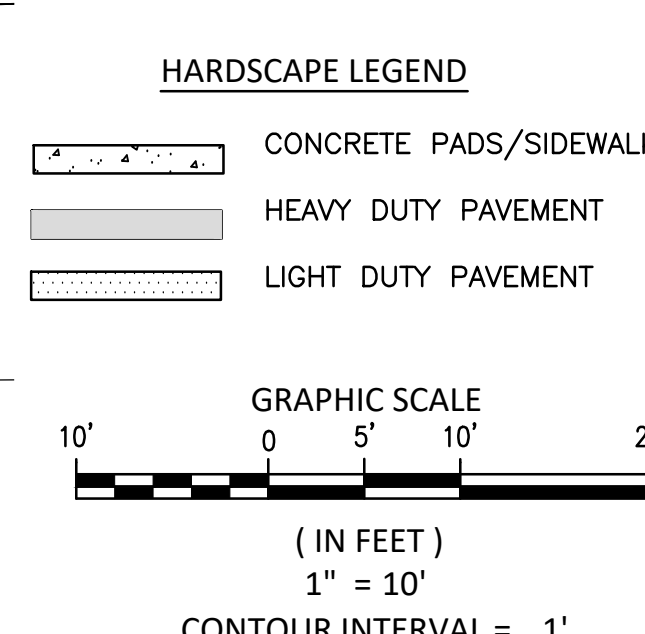


Existing Storm Sewer Drainage Summary

\*Storm Inverts Shown Inv. Out First, Followed by Inv. Ins. Which Are Listed in Clockwise Order From The Inv. Out.\*

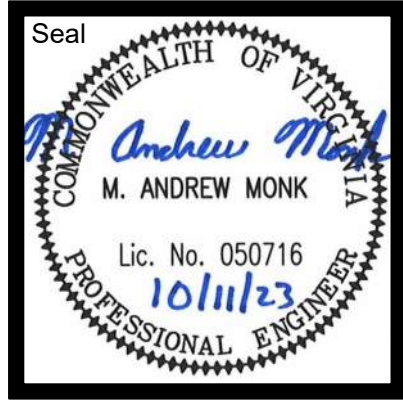
(2) Storm Grate Top=2092.00 Inv. Out=2089.85'	(7) Storm MH Top=2091.57' Inv. Out=2074.34' Inv. In=2082.84'	(24) Storm MH (Inverts Double Checked In Field) Top=2092.00 Inv. Out=2084.75' Inv. In=2087.85' Inv. In=2084.75'
(3) Storm MH (Inverts Double Checked In Field) Top=2094.67' Inv. Out=2089.19' Inv. In=2089.07' Inv. In=2089.11' Inv. In=2089.52'	(19) Storm MH Top=2092.62' Inv. Out=2085.92' Top=2091.47' Inv. Out=2086.02' Inv. In=2086.14'	(26) Curb Inlet Top=2091.47' Inv. Out=2086.02' Inv. In=2086.14'
(4) Storm Grate Top=2092.80 Inv. Out=2088.64' Inv. In=2088.74' Inv. In=2090.66'	(20) Storm MH Top=2089.91' Inv. Out=2085.68' Inv. In=2085.81' Inv. In=2085.85'	(27) Curb Inlet Top=2093.49' Inv. Out=2089.85'
(4A) Storm MH Top=2093.76 Inv. Out=2088.30' Inv. In=2088.51'	(21) Storm MH Top=2091.72' Inv. Out=2084.63' Inv. In=2085.72' Inv. In=2085.19'	(30) Curb Inlet Top=2100.93' Inv. Out=2098.04'
(5) Storm MH (Water Quality Unit) Top=2093.70 Inv. Out=2084.21' Inv. In=2084.21'	(22) Storm Grate Top=2088.51' Inv. Out=2086.61' Inv. In=2086.62' Inv. In=2086.71'	(31) Storm Grate Top=2093.09 Inv. Out=2092.39'
(6) Storm MH (Riser SWM) Top=2091.73' Inv. Out=2082.95' Inv. In=2082.95'	(23) Curb Inlet Top=2090.29' Inv. Out=2087.84' (12" CPP) Inv. In=2088.33' Inv. In=2088.33' (12" RCP Full of Debris)	(32) Storm Grate Top=2093.53' Inv. Out=2086.03'

REQUIRED NUMBER OF TREES	4
PROVIDED NUMBER OF TREES	4



APPROVED: Engineering Date

APPROVED: Planning Date



**MONTGOMERY COUNTY MAGISTRATE AND COURT SERVICES BUILDING**  
SITE PLAN

Date	11/17/2023
Date	11/28/2023
Date	12/11/2023
No.	ADDENDUM NO. 2
No.	ADDENDUM NO. 4
No.	ADDENDUM NO. 5
Purpose of Document Issue	

Designed	TCR
Drawn	TCR
Checked	MAM
Date	10/11/2023

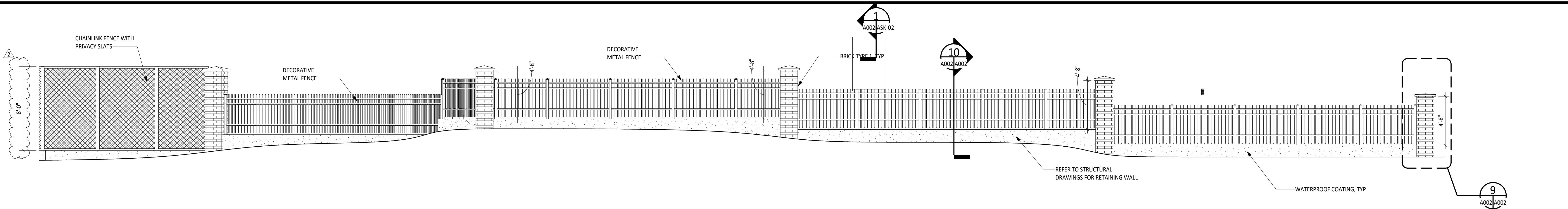
Project No. 16910



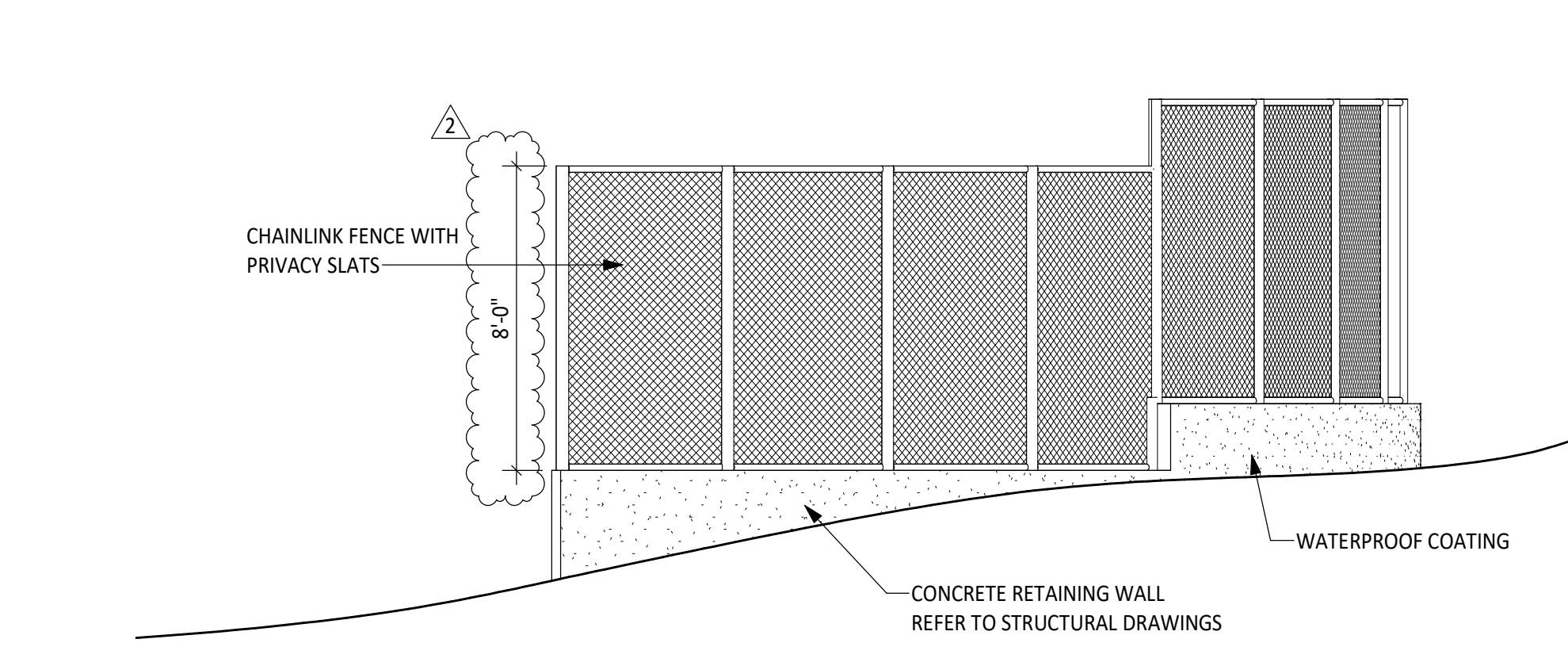
Sheet No. C300

YGC COVER AND NOTES REVISION 2022.08.03

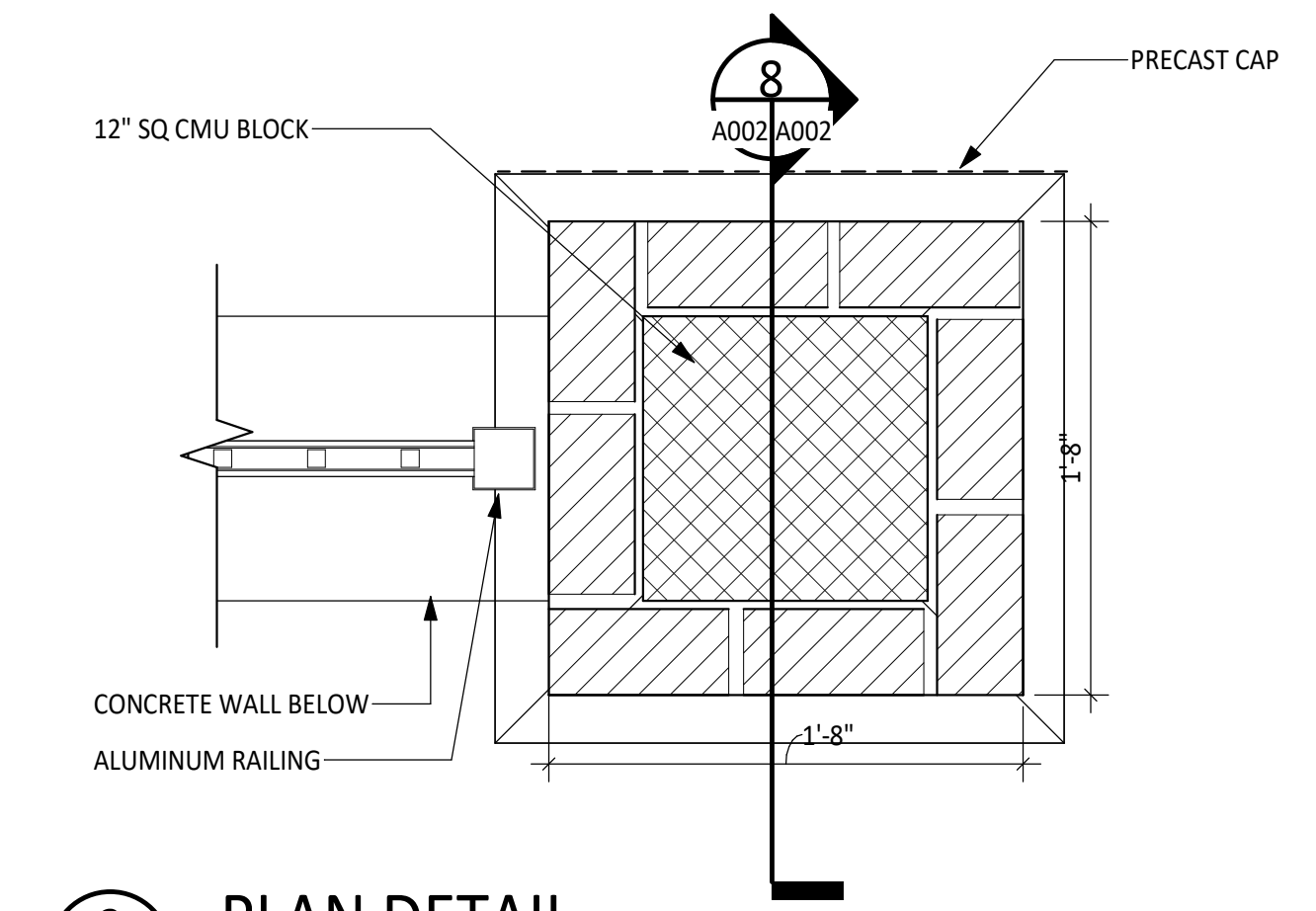




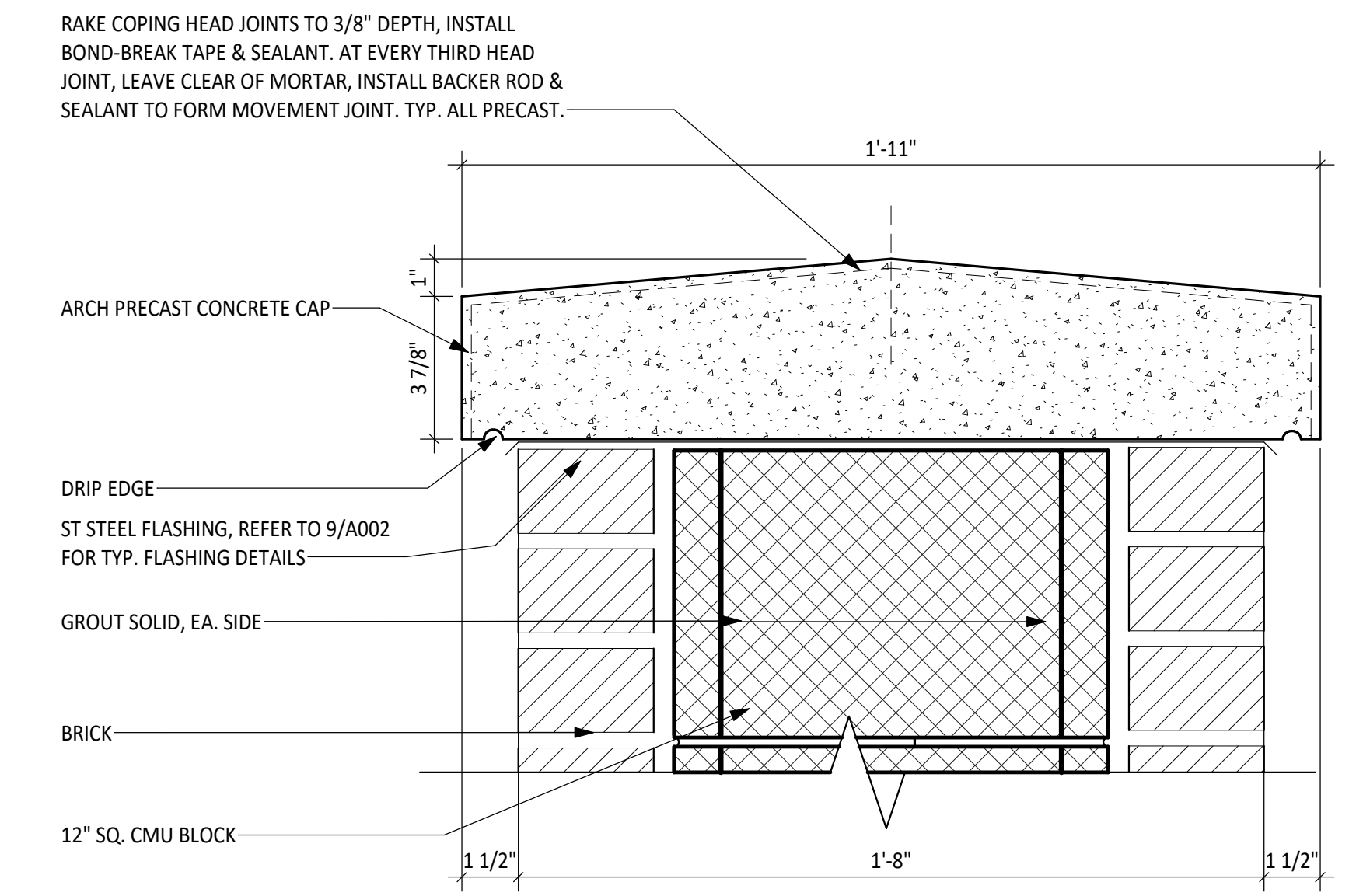
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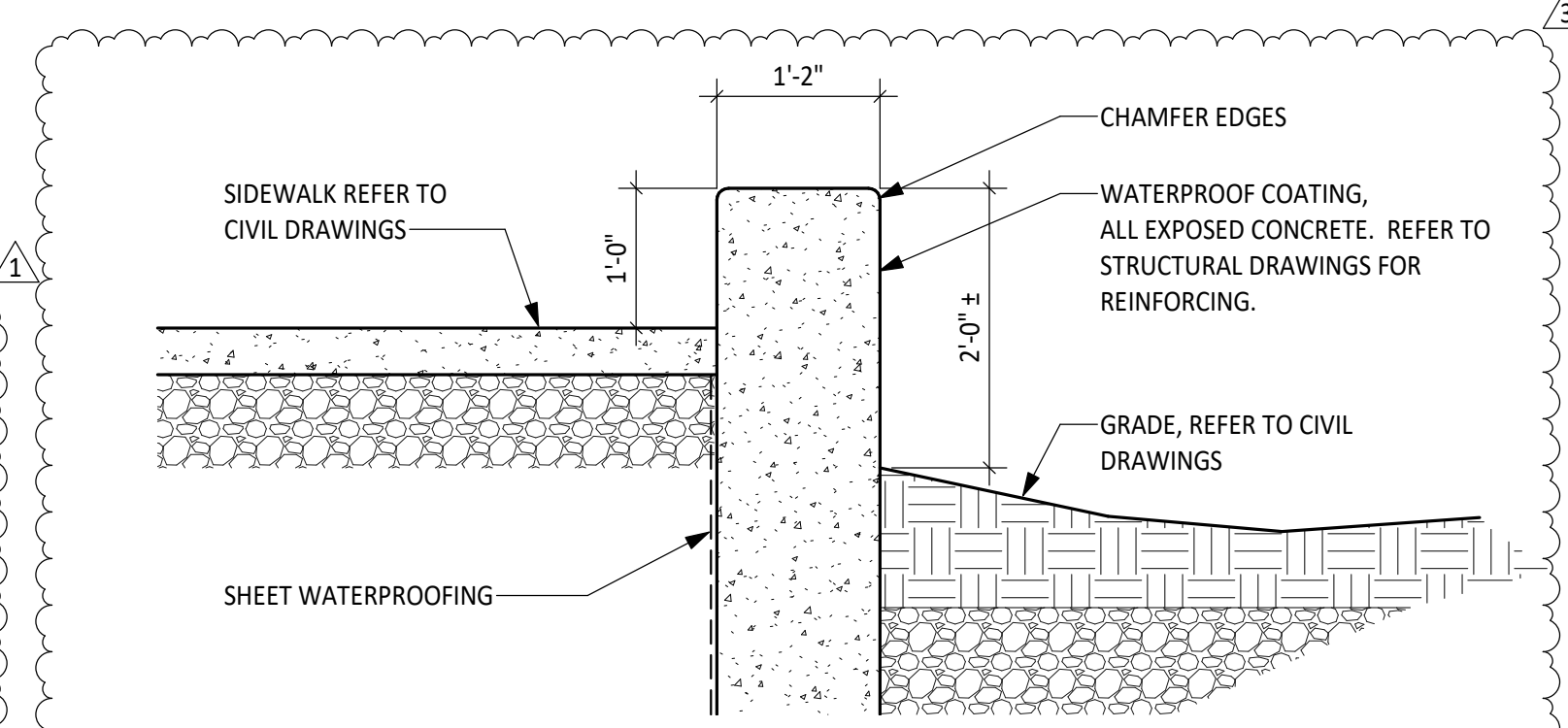
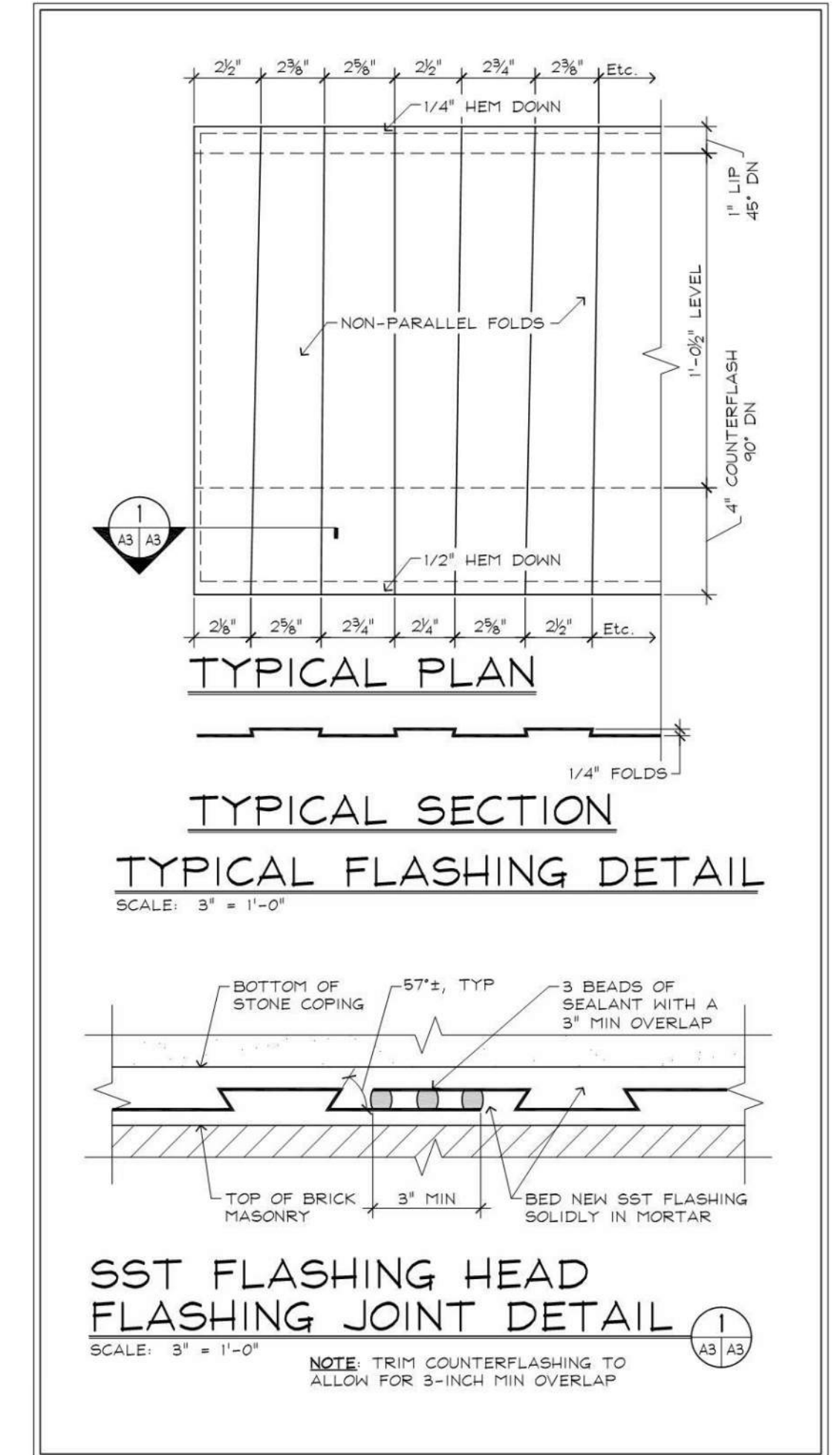
**2 ELEVATION**  
 SCALE: 1/4" = 1'-0"



**3 PLAN DETAIL**  
 SCALE: 1 1/2" = 1'-0"

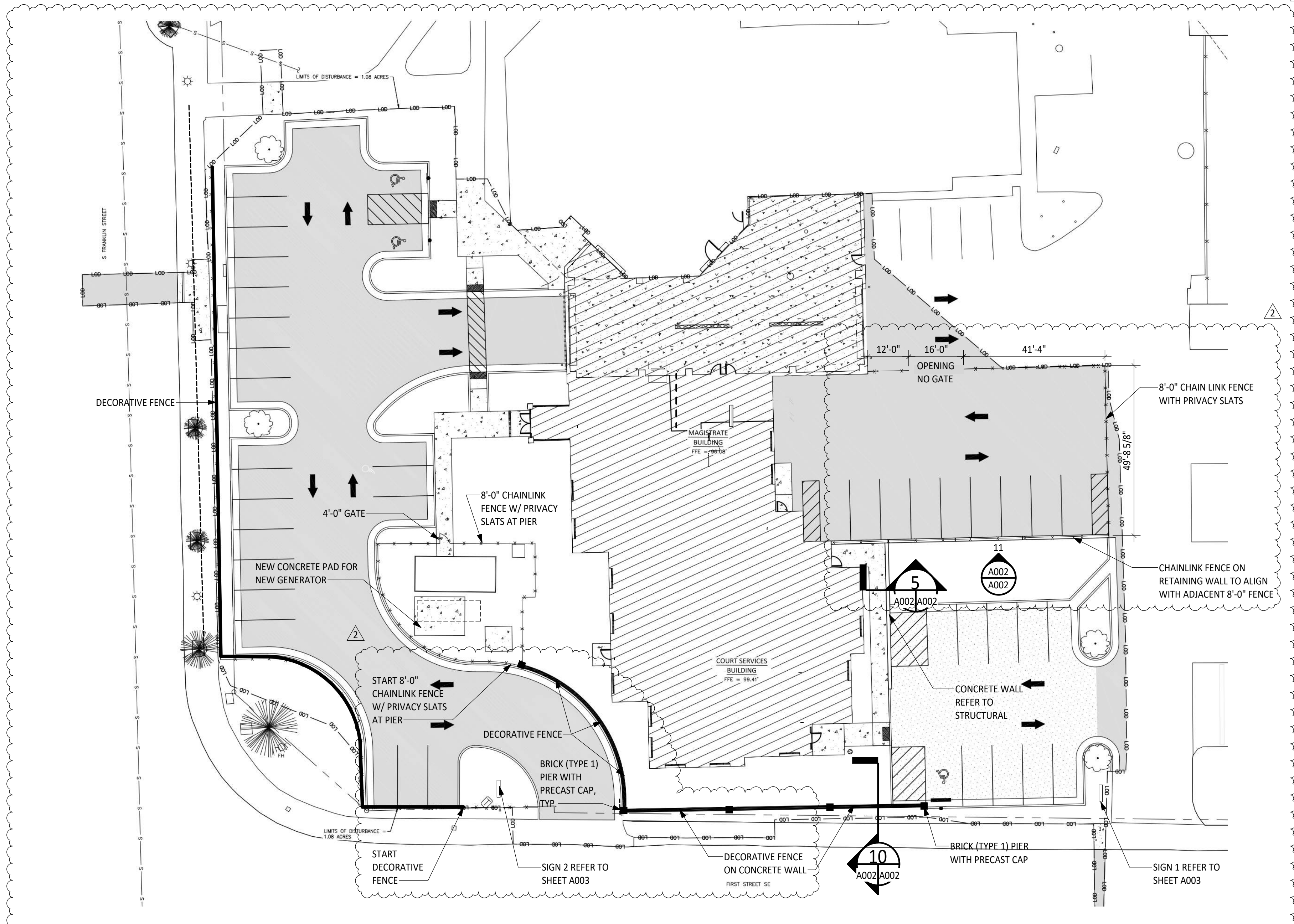


**4 PRECAST CAP DETAIL**  
 SCALE: 3" = 1'-0"

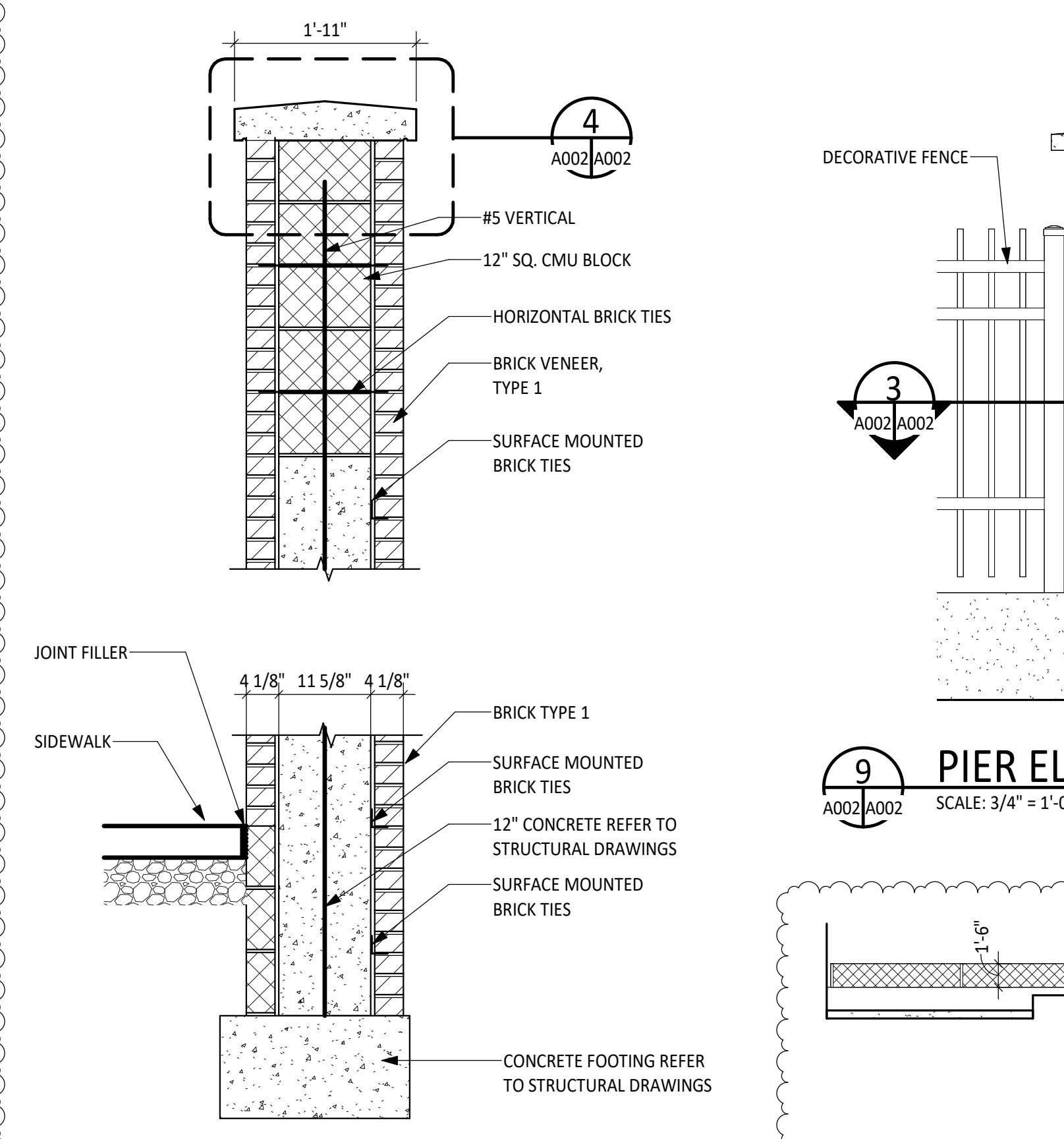


**5 SIDEWALK RETAINING WALL DETAIL**  
 SCALE: 3/4" = 1'-0"

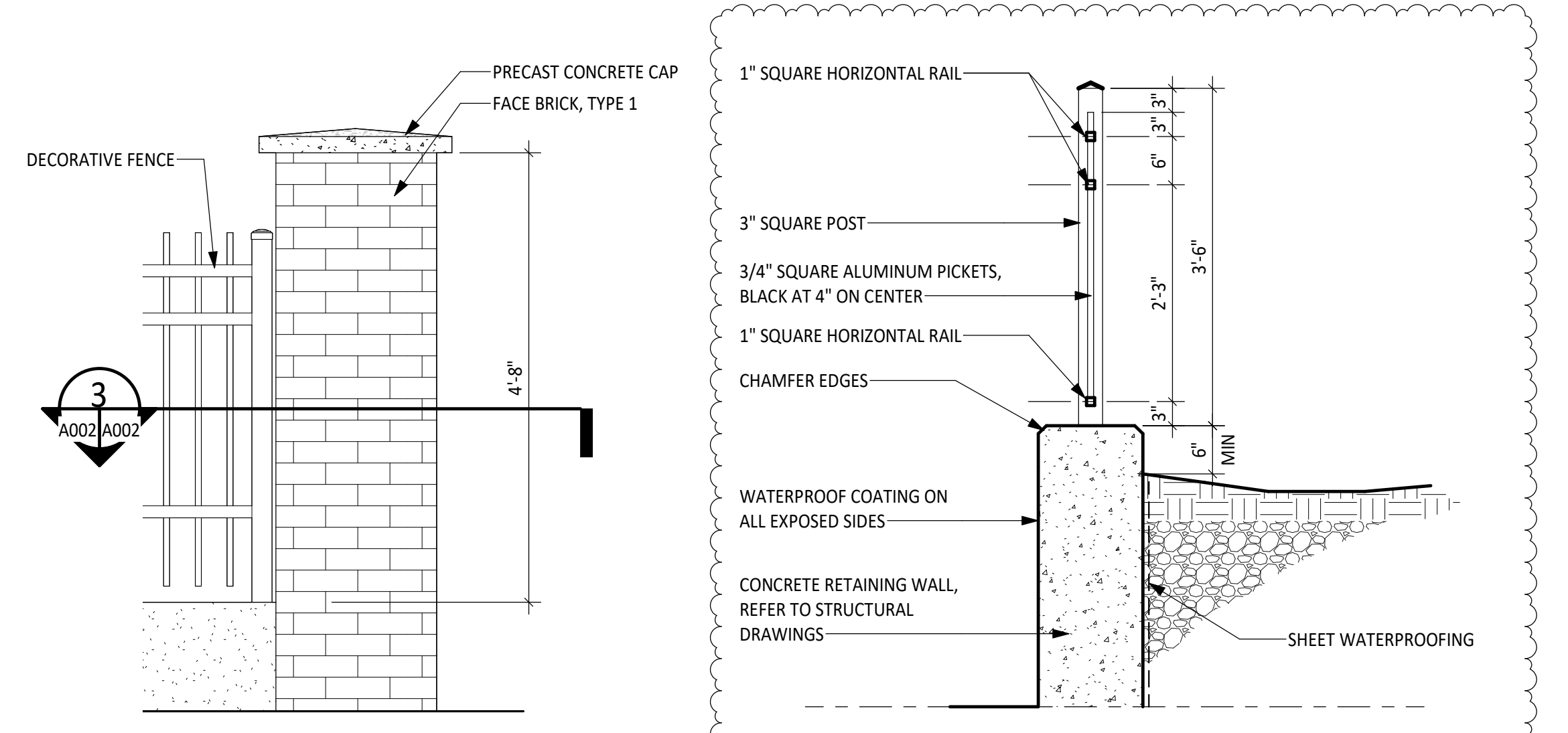
**6 TYP ST STEEL FLASHING UNDER PRECAST CAPS**  
 SCALE: 3" = 1'-0"



**7 ARCHITECTURAL SITE PLAN**  
 SCALE: 1" = 20'-0"

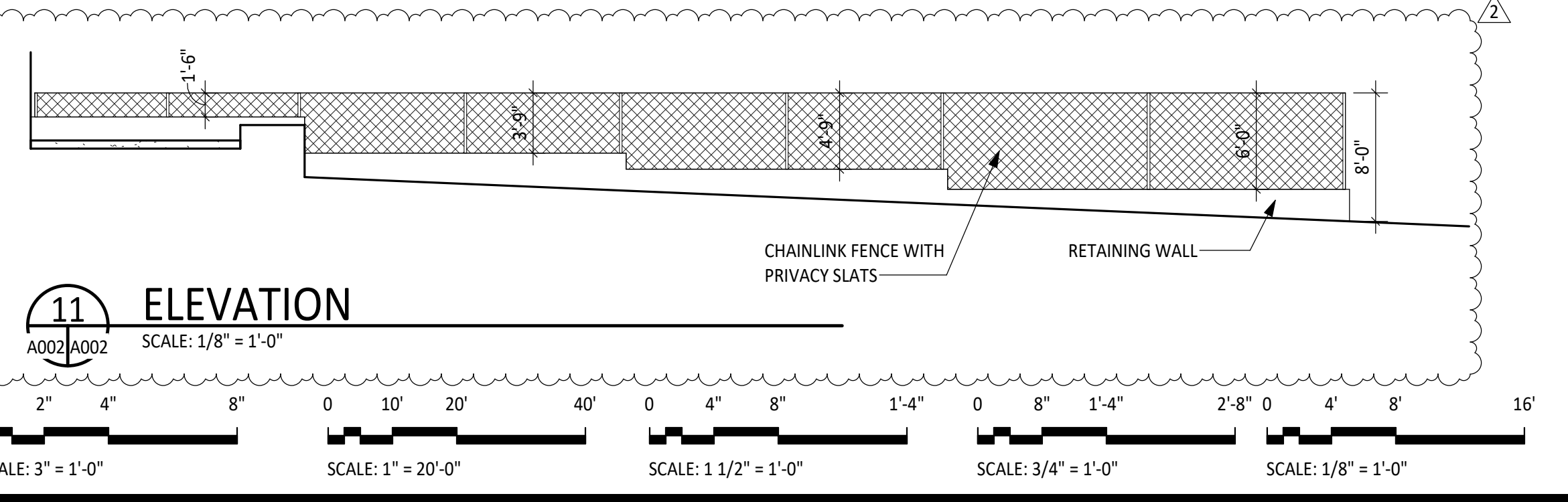


**8 MASONRY PIER SECTION**  
 SCALE: 3/4" = 1'-0"



**10 RAILING SECTION**  
 SCALE: 3/4" = 1'-0"

**9 PIER ELEVATION**  
 SCALE: 3/4" = 1'-0"



**11 ELEVATION**  
 SCALE: 1/8" = 1'-0"

File Name: C:\Users\erich\OneDrive\Documents\16910 MC Magistrate Court Services\_02\_14forDW98B.rvt  
 Date/Time: 12/8/2023 3:15:19 PM

Purpose of Document Issue	
NO.	DATE
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2	12/01/2023
3	12/11/2023

Designed	EFS
Drawn	TWM
Checked	EFS
Date	10/11/2023

Project No.  
**16910**



Sheet No.  
**A002**



**CONSTRUCTION NOTES:**

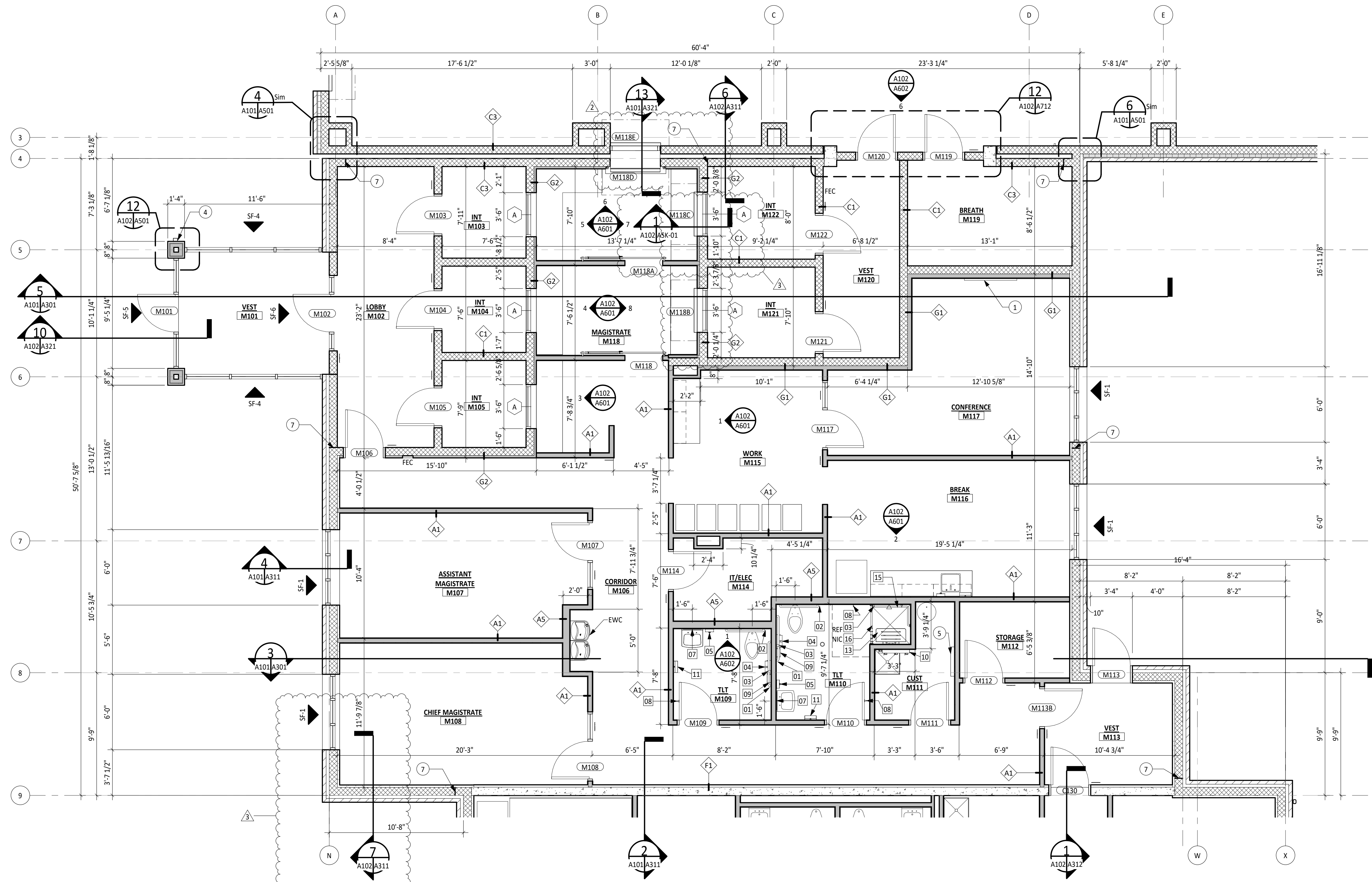
- OCCURS WHERE (7) ARE INDICATED ON DRAWINGS.
1. MONITOR BY OWNER. PROVIDE BLOCKING AS REQUIRED. COORDINATE WITH OWNER SIZE AND LOCATION.
  2. PASS THRU WINDOW. REFER TO ELEVATIONS FOR DETAILS.
  3. CUBICLES BY OWNER.
  4. KNOX BOX, BY CONTRACTOR. COORDINATE EXACT LOCATION WITH LOCAL FIRE DEPARTMENT.
  5. LADDER TO ROOF HATCH, PROVIDE REQUIRED BLOCKING IN PARTITION.
  6. FUR OUT WALL FOR GAS PIPING.
  7. CMU CONTROL JOINT. REFER TO A001 FOR CONTROL JOINT DETAILS.

**GENERAL TLT ACCESSORY NOTES:**

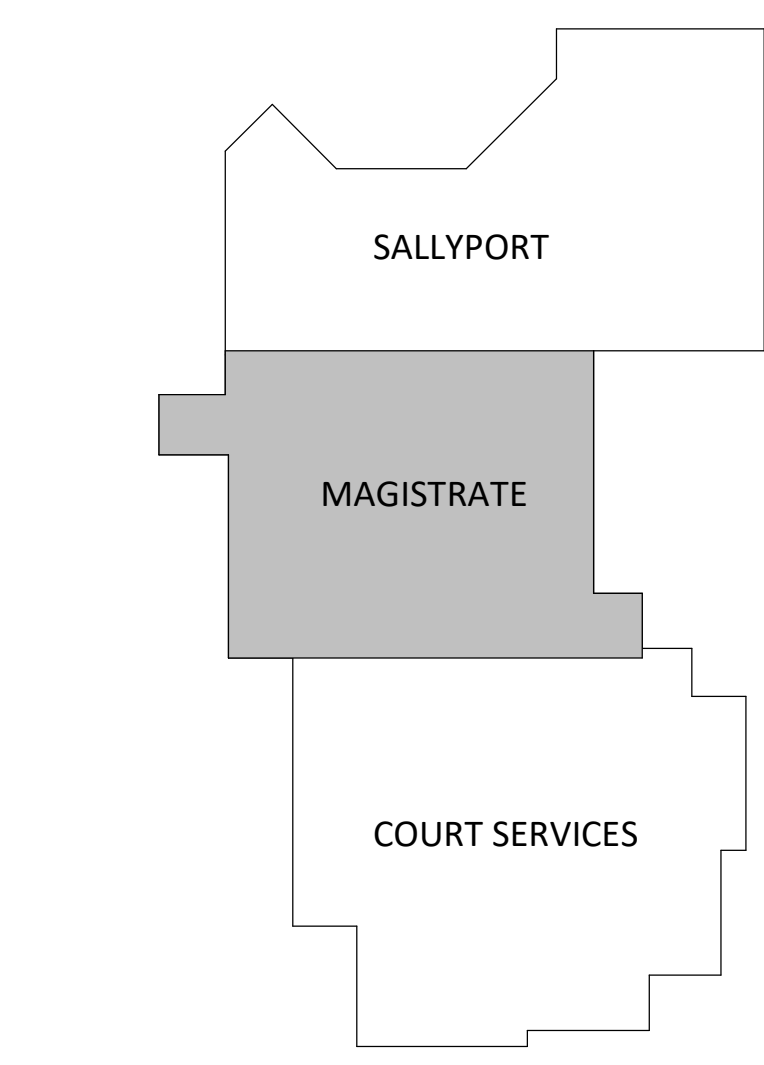
1. TOILET ACCESSORY ITEMS ARE INDICATED ON DRAWINGS BY (10)
2. REFER TO CASEWORK ELEVATIONS ON SHEET A601 FOR ADDITIONAL TOILET ACCESSORIES REQUIRED AS PART OF WORK.
3. GRAB BARS AND ACCESSORIES SHALL BE MOUNTED IN ACCORDANCE WITH ICC/ANSI 117.1.
4. REFER TO SPEC SECTION 102800 - "TOILET, BATH, AND LAUNDRY ACCESSORIES" FOR ACCESSORY TECHNICAL REQUIREMENTS AND DESCRIPTION.
5. PROVIDE UNDER LAVATORY PROTECTIVE PIPE COVER AT EACH WALL HUNG LAVATORY.
6. ACTUAL DIMENSIONS MAY VARY WITH APPROVED MANUFACTURER. COORDINATE ALL REVISIONS AS REQUIRED.

TOILET ACCESSORY LEGEND		
DESCRIPTION	NUMBER	REMARKS
42" HORIZONTAL GRAB BAR	01	CPCI
36" HORIZONTAL GRAB BAR	02	CPCI
18" VERTICAL GRAB BAR	03	CPCI
TOILET TISSUE DISPENSER	04	OPCI
SOAP DISPENSER	05	OPCI
18" x 36" FRAMED MIRROR UNIT	07	OPCI
COAT/ROBE HOOK	08	CPCI
SANITARY NAPKIN DISPOSAL UNIT	09	CPCI
MOP/BROOM HOLDER	10	CPCI
PAPER TOWEL DISPENSER	11	OPCI
SHOWER SEAT	13	CPCI
BABY CHANGING STATION	14	CPCI
2'-10" x 1'-6" GRAB BAR	15	CPCI
SHOWER ROD & CURTAIN	16	CPCI

CPCI : CONTRACTOR PROVIDED CONTRACTOR INSTALLED  
 OPCI : OWNER PROVIDED CONTRACTOR INSTALLED



**FLOOR PLAN - MAGISTRATE**  
 1/4" = 1'-0"  
 PLAN NORTH



**KEY PLAN**

0 2' 4' 8'  
 SCALE: 1/4" = 1'-0"

No.	Rev.	Date	By	Checked	Approved	Purpose of Document/Issue
2		12/01/2023				ADDENDUM NO. 4
3		12/11/2023				ADDENDUM NO. 5

Designed	EFS
Drawn	TWM
Checked	EFS
Date	10/11/2023

Project No.  
**16910**



Sheet No.

**A102**

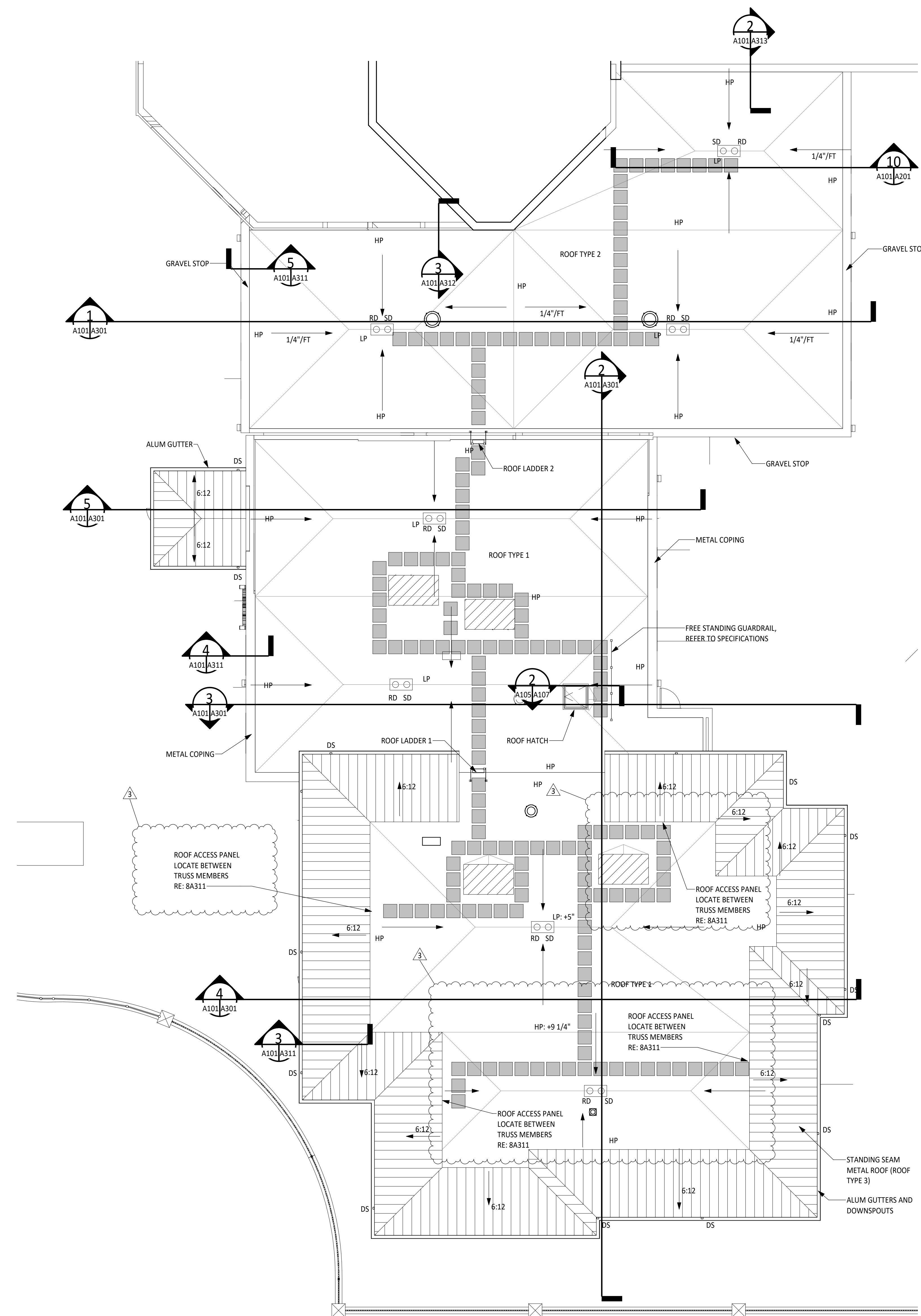


ROOF PLAN LEGEND

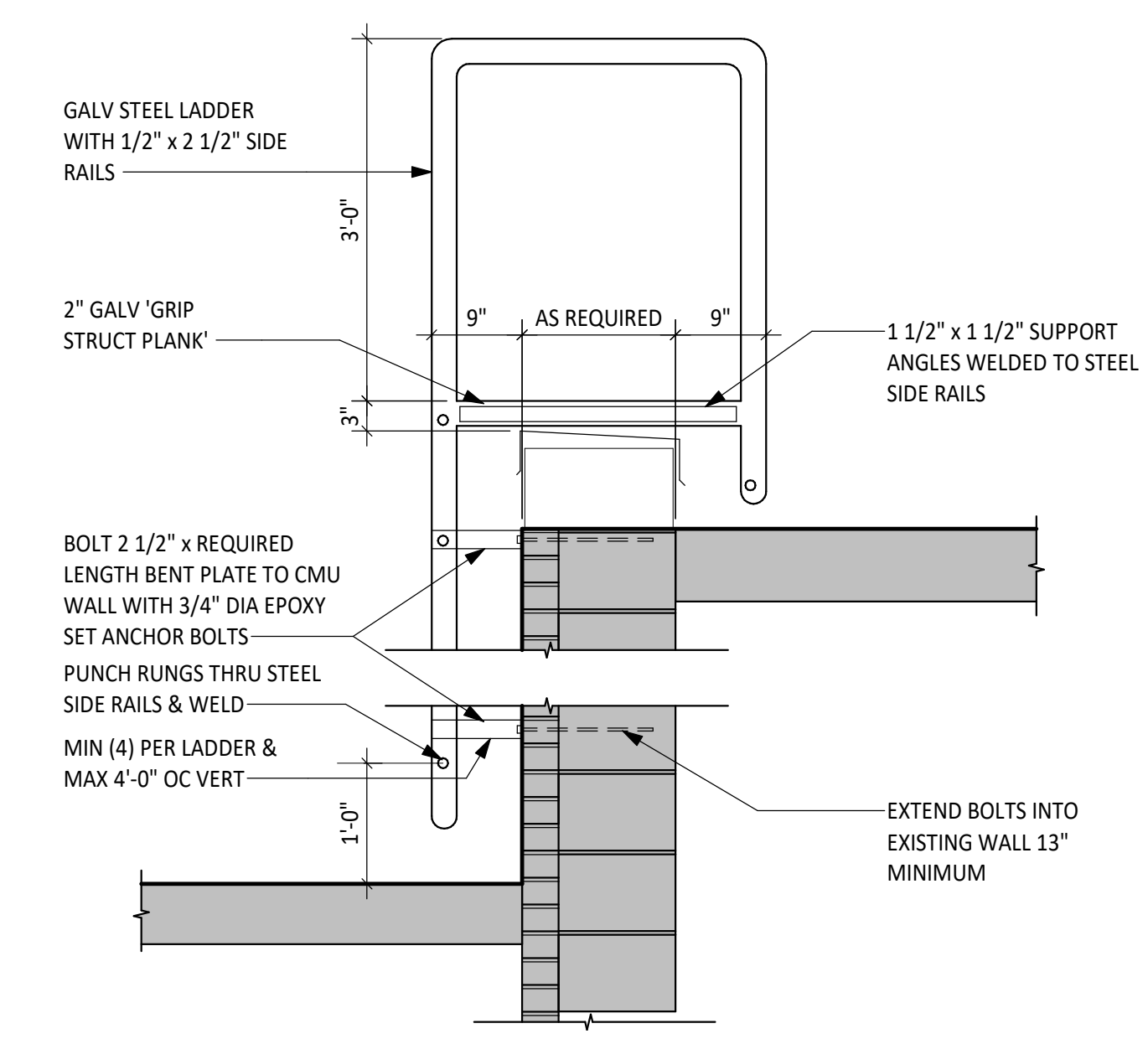
- NEW ROOF DRAIN / SECONDARY DRAIN
- ROOF VENT
- VENT THRU ROOF
- CONSTRUCTION NOTE DESIGNATION
- ROOF WALKWAY PADS
- DOWNWARD ROOF SLOPE DIRECTIONAL ARROW
- TAPERED INSULATION CRICKET
- TAPERED INSULATION SADDLE
- HIGH POINT
- RTU

ROOF NOTES:

- ROOF TYPE 1:  
 BASE COURSE 5" RIGID ROOF INSULATION OVER TAPERED INSULATION (1/4" PER FOOT), FULLY ADHERED REINFORCED 80 MIL TPO ROOF MEMBRANE. SLOPE TO ROOF DRAINS.
- ROOF TYPE 2:  
 TAPERED INSULATION (1/4" PER FOOT) OVER METAL DECK, FULLY ADHERED 80 MIL REINFORCED TPO ROOF MEMBRANE. SLOPE TO ROOF DRAINS.
- ROOF TYPE 3:  
 STANDING SEAM (0.32 ALUMINUM) ROOF (6:12) OVER 5/8" ROOF SHEATHING & UNDERLAYMENT OVER COLD-FORMED METAL TRUSSES.

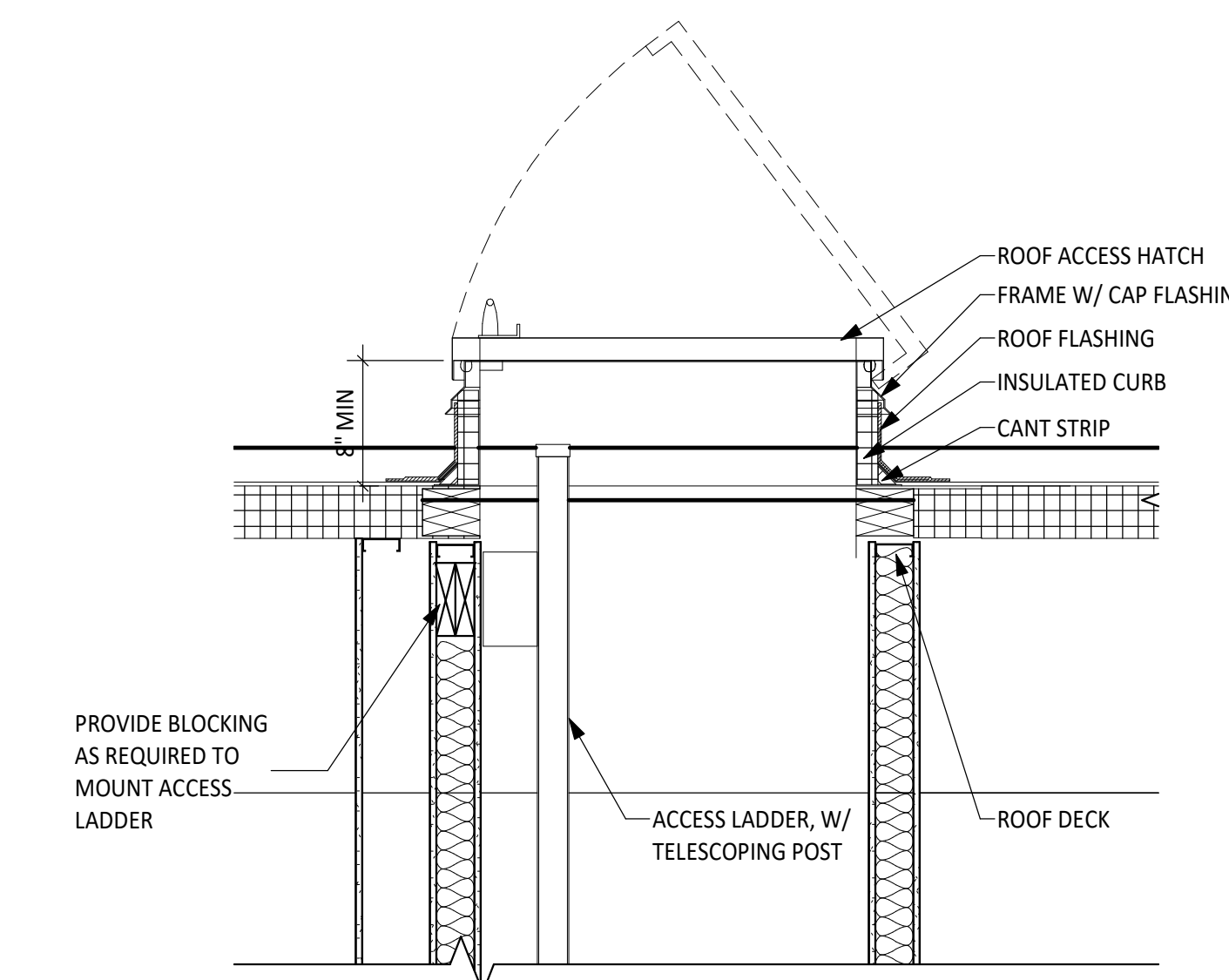


OVERALL ROOF PLAN  
 1/8" = 1'-0"  
 PLAN NORTH

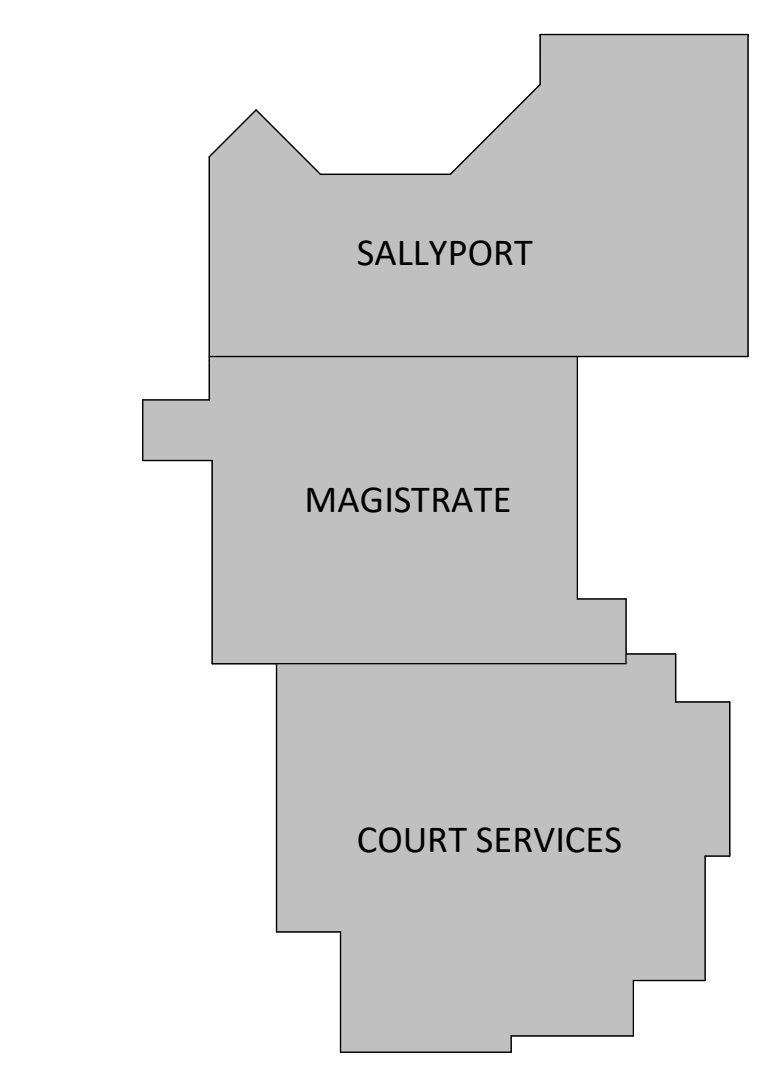


LADDER SCHEDULE:  
 LADDER 1: 4'-6"  
 LADDER 2: 4'-4"  
 LADDER MEASUREMENTS ARE APPROXIMATELY FROM THE ROOF BELOW TO THE TOP OF PARAPET. VERIFY ALL DIMENSIONS IN FIELD.

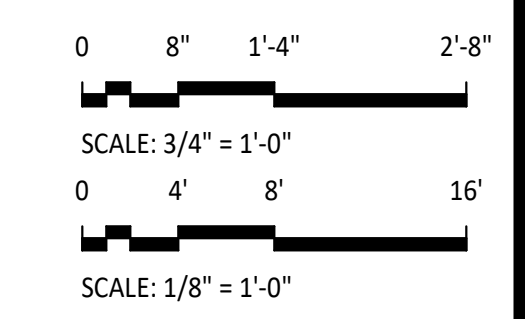
1 ROOF LADDER DETAIL  
 SCALE: 3/4" = 1'-0"



2 ROOF HATCH DETAIL  
 SCALE: 3/4" = 1'-0"



KEY PLAN



NO.	DATE	DESCRIPTION
3	12/11/2023	ADDENDUM NO. 5
		Purpose of Document Issue

Designed	EFS
Drawn	TWM
Checked	EFS
Date	10/11/2023

Project No.  
 16910



Sheet No.

A107



DNV#	11/17/2023	ADDENDUM NO. 2
NO.	3	ADDENDUM NO. 5
NO.	3	ADDENDUM NO. 5

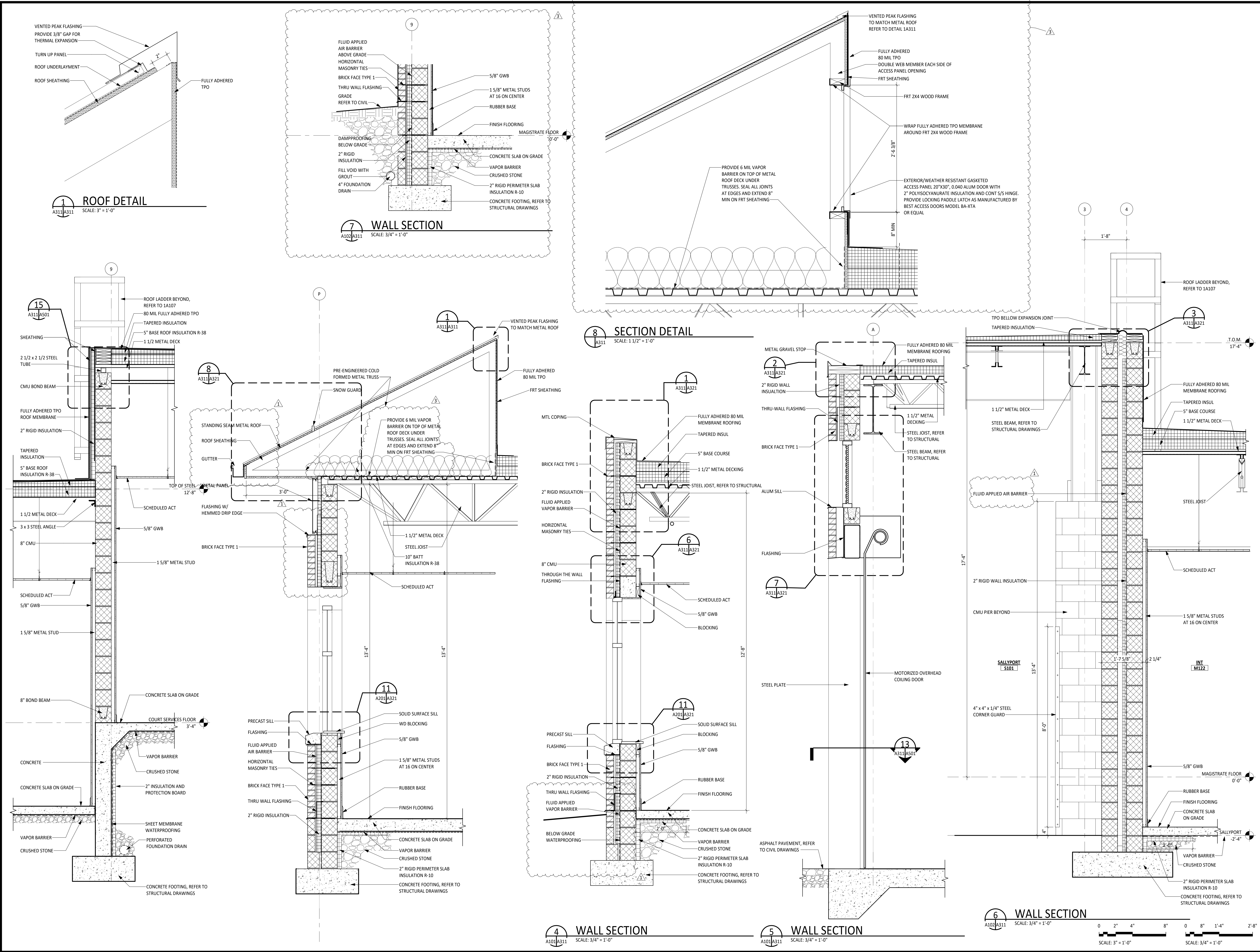
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Drawn	TWM
Checked	EFS
Date	10/11/2023

Project No.	16910
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Sheet No.

A311



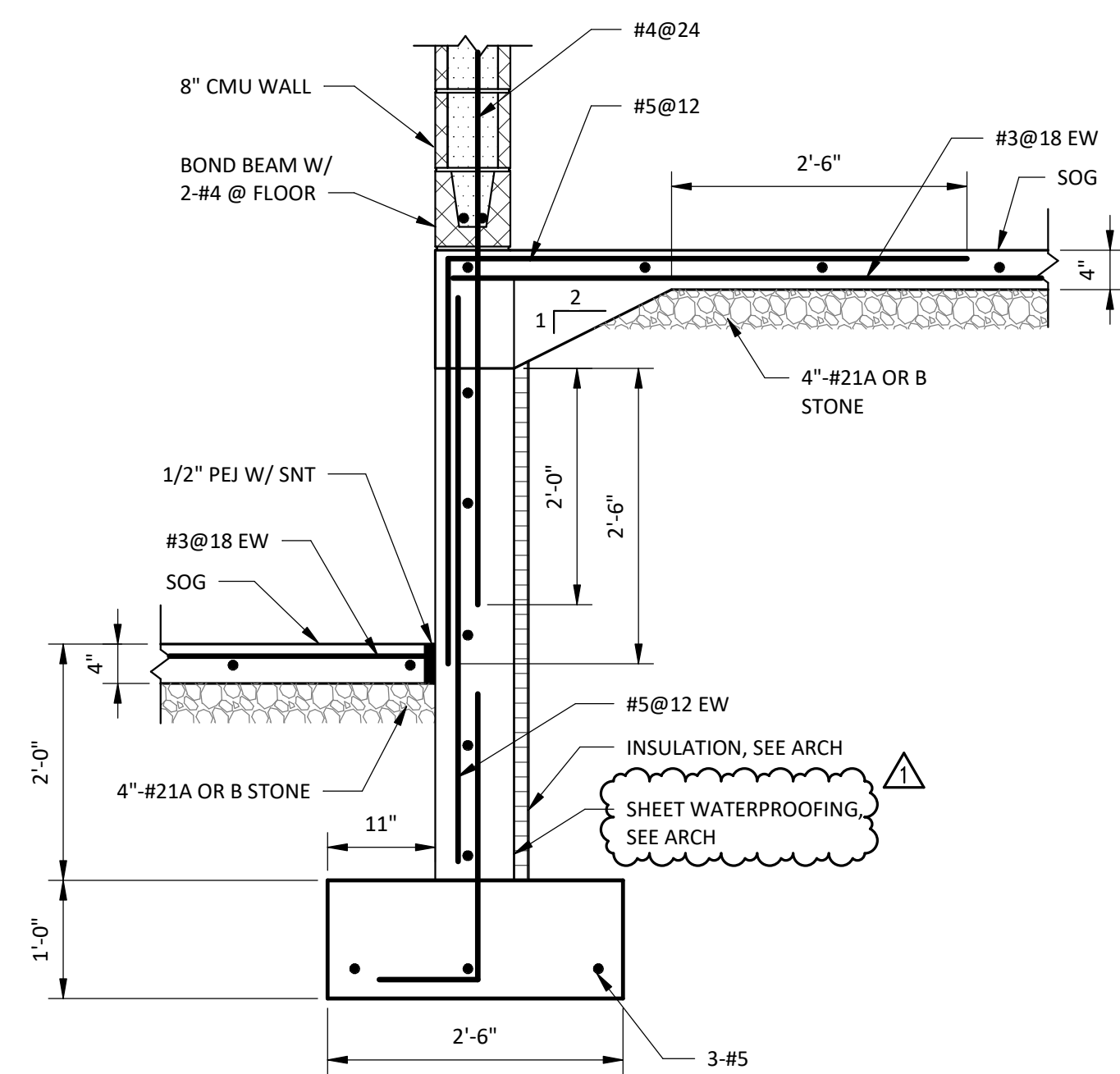
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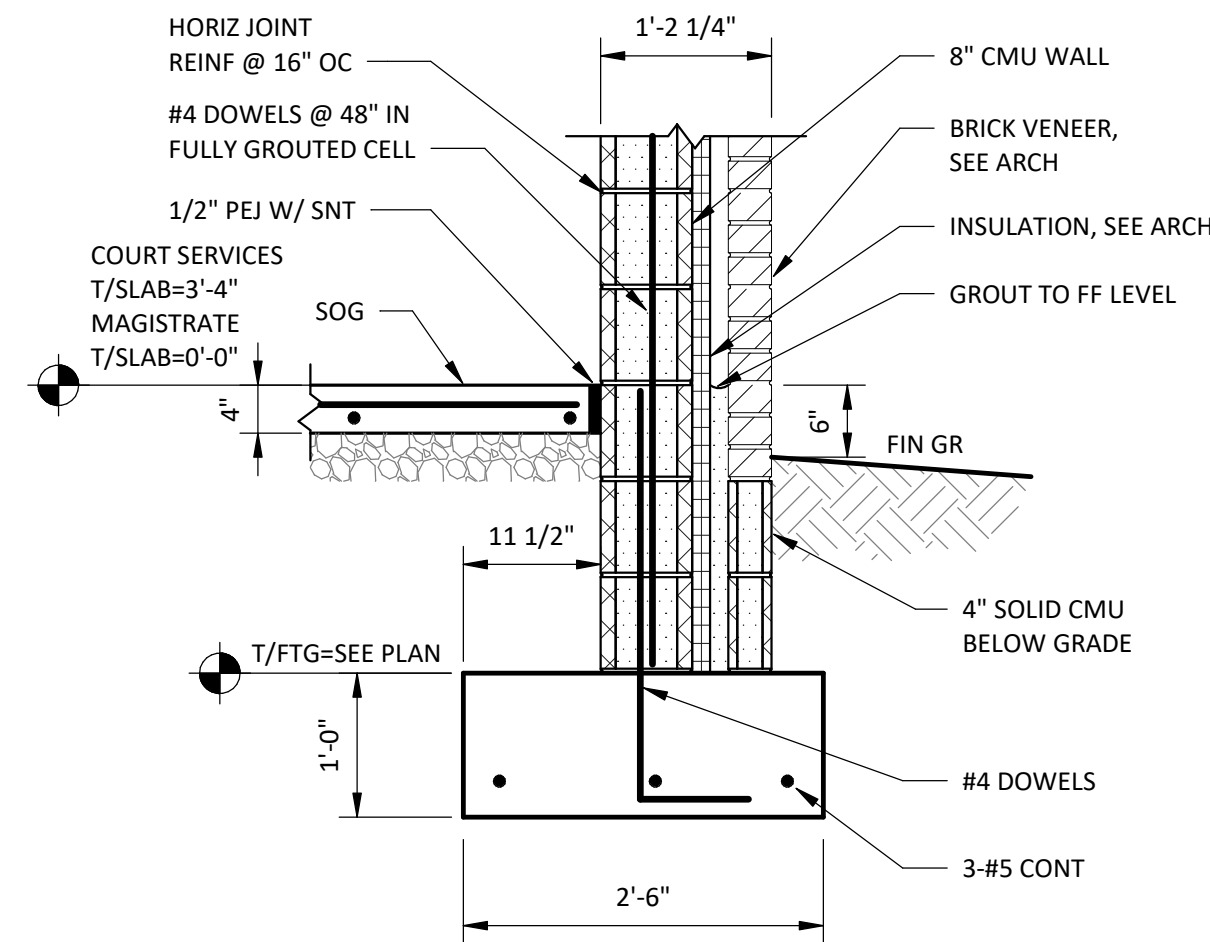




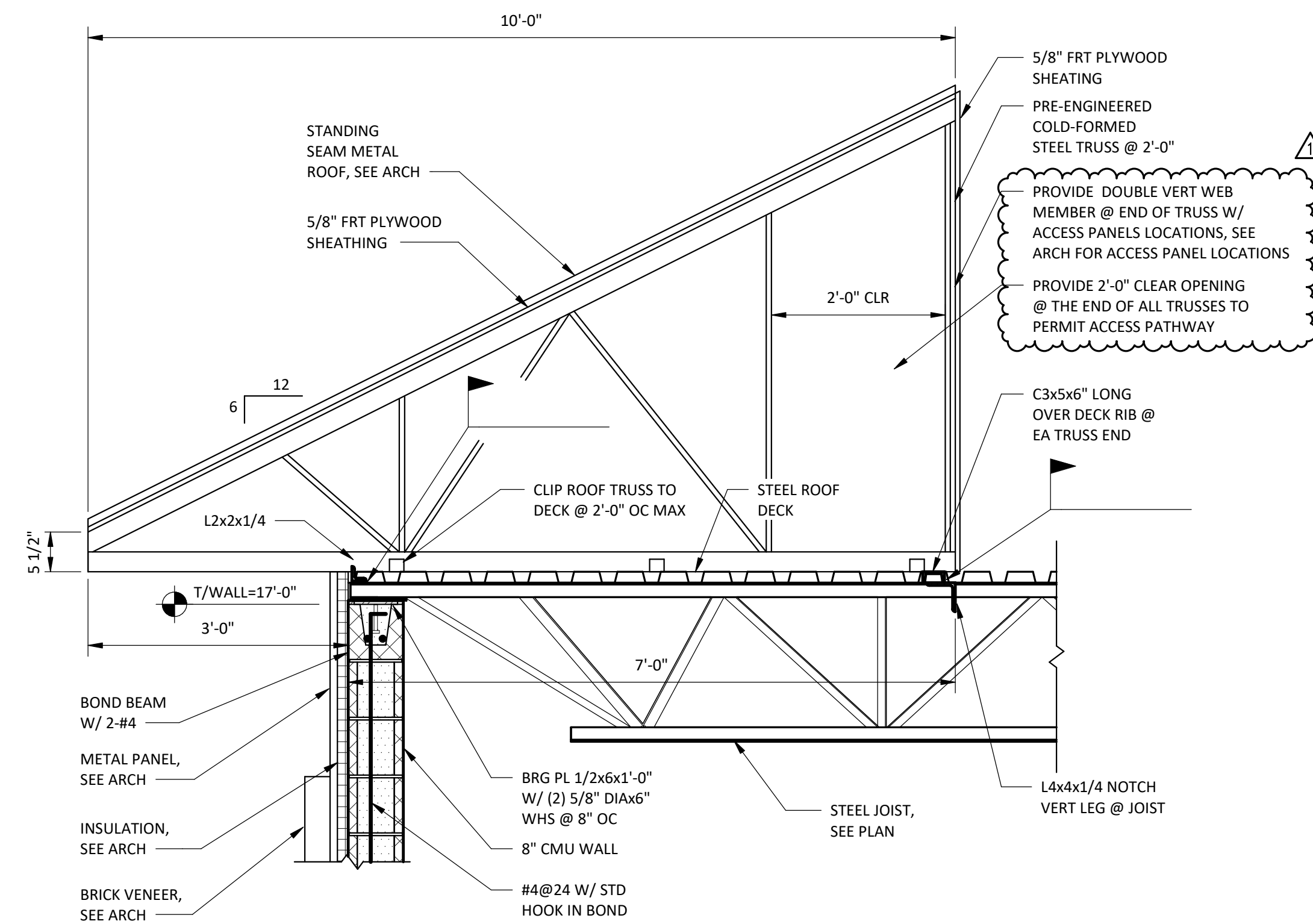
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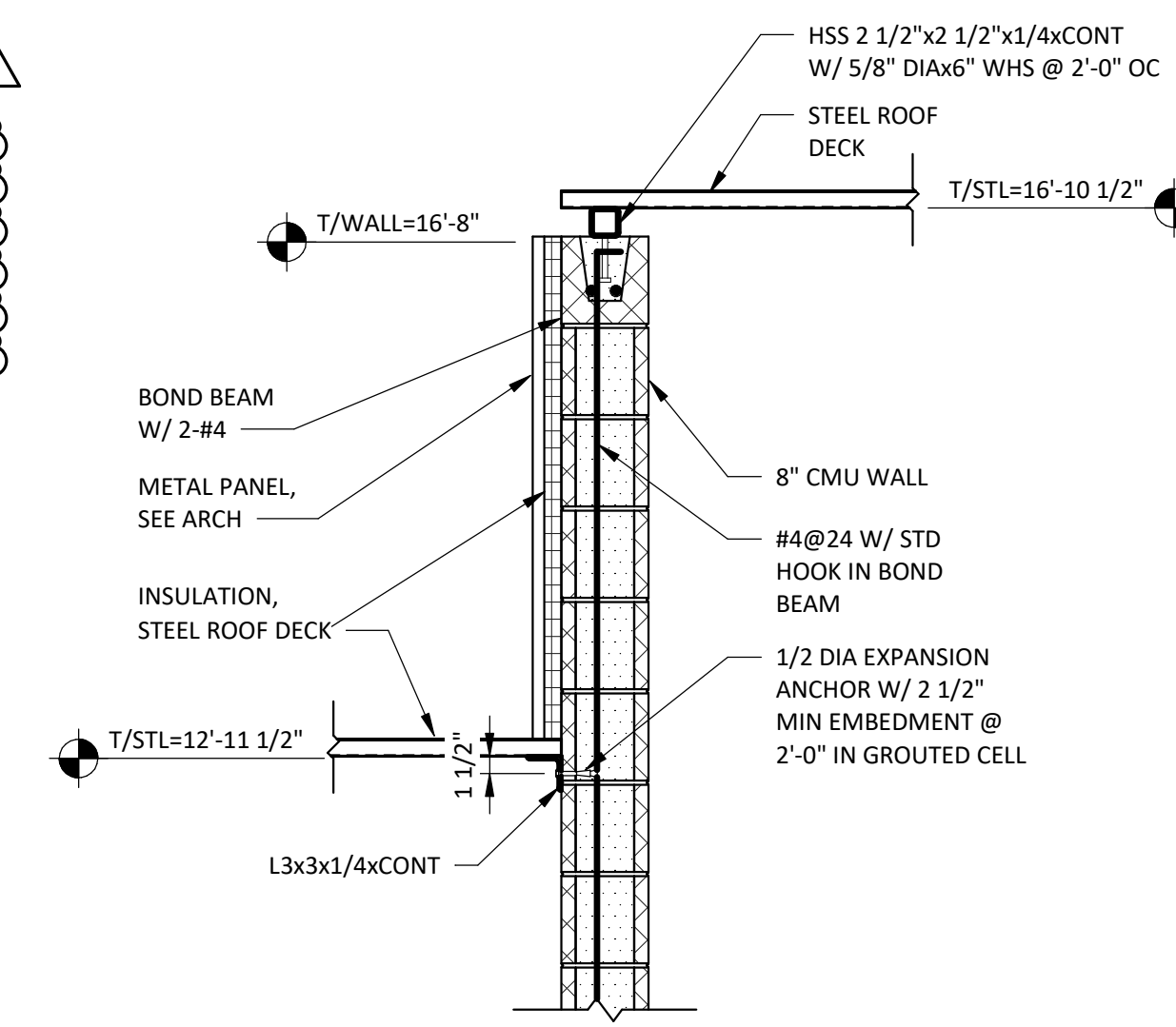
**SECTION 1**  
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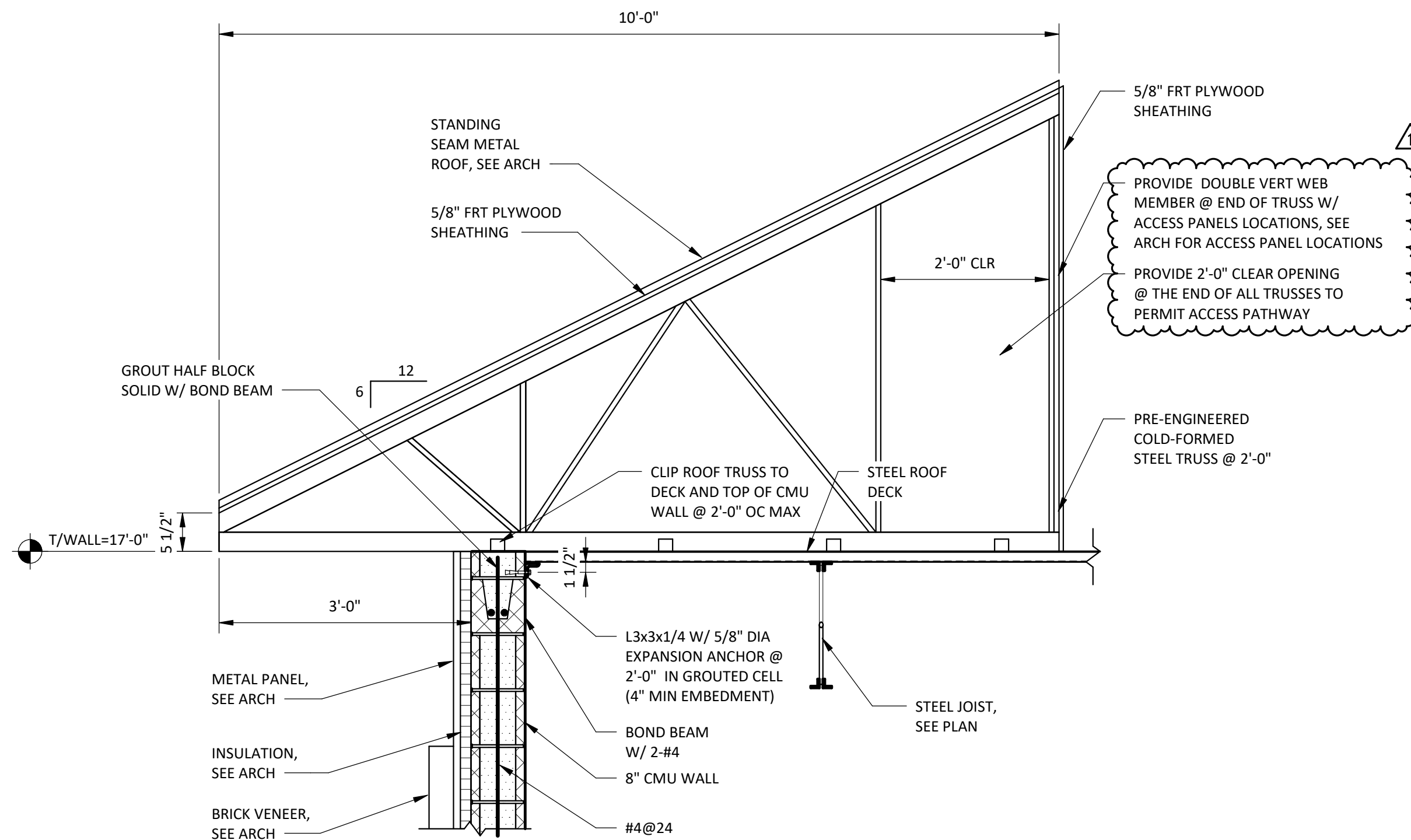
**SECTION 2**  
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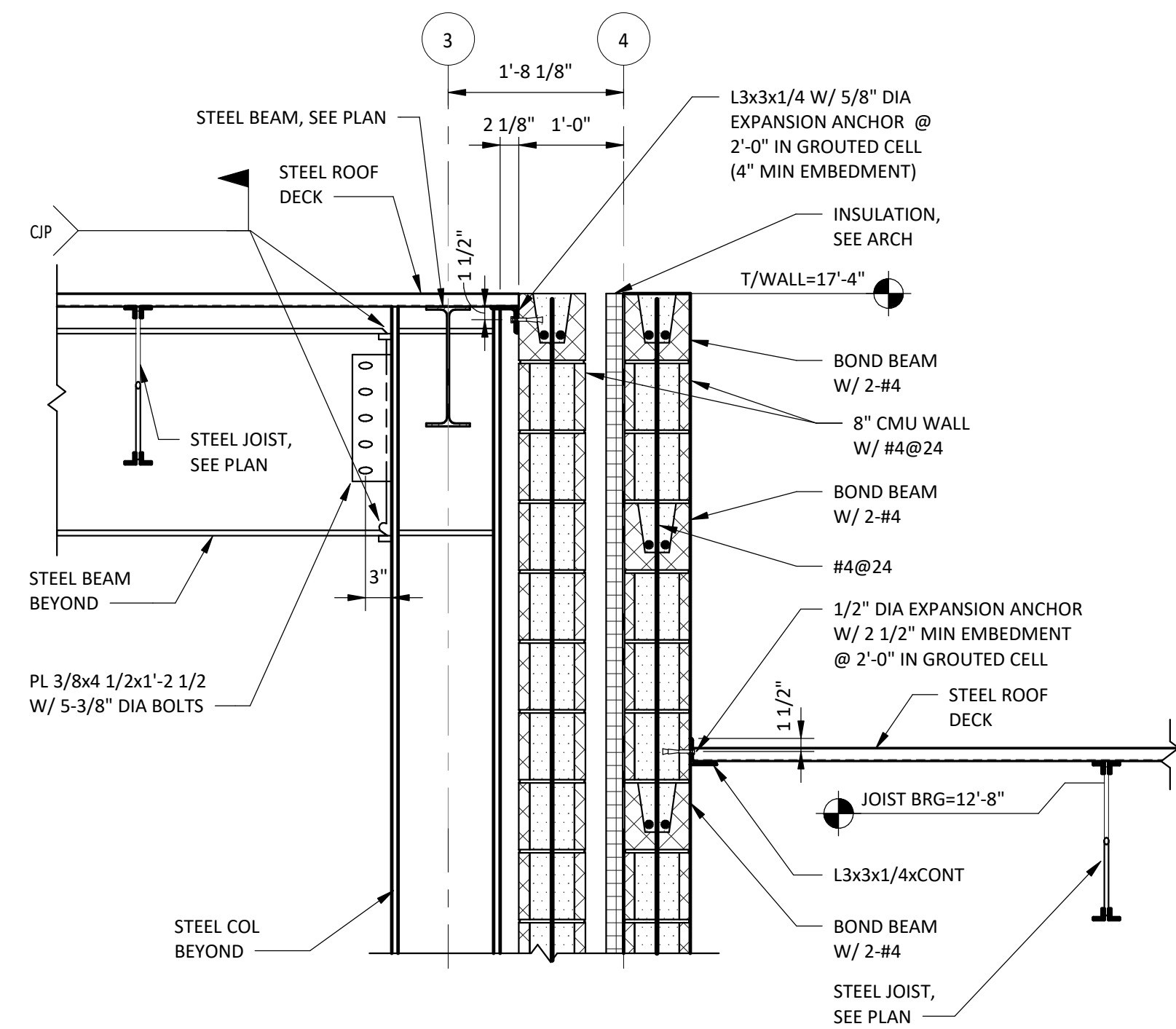
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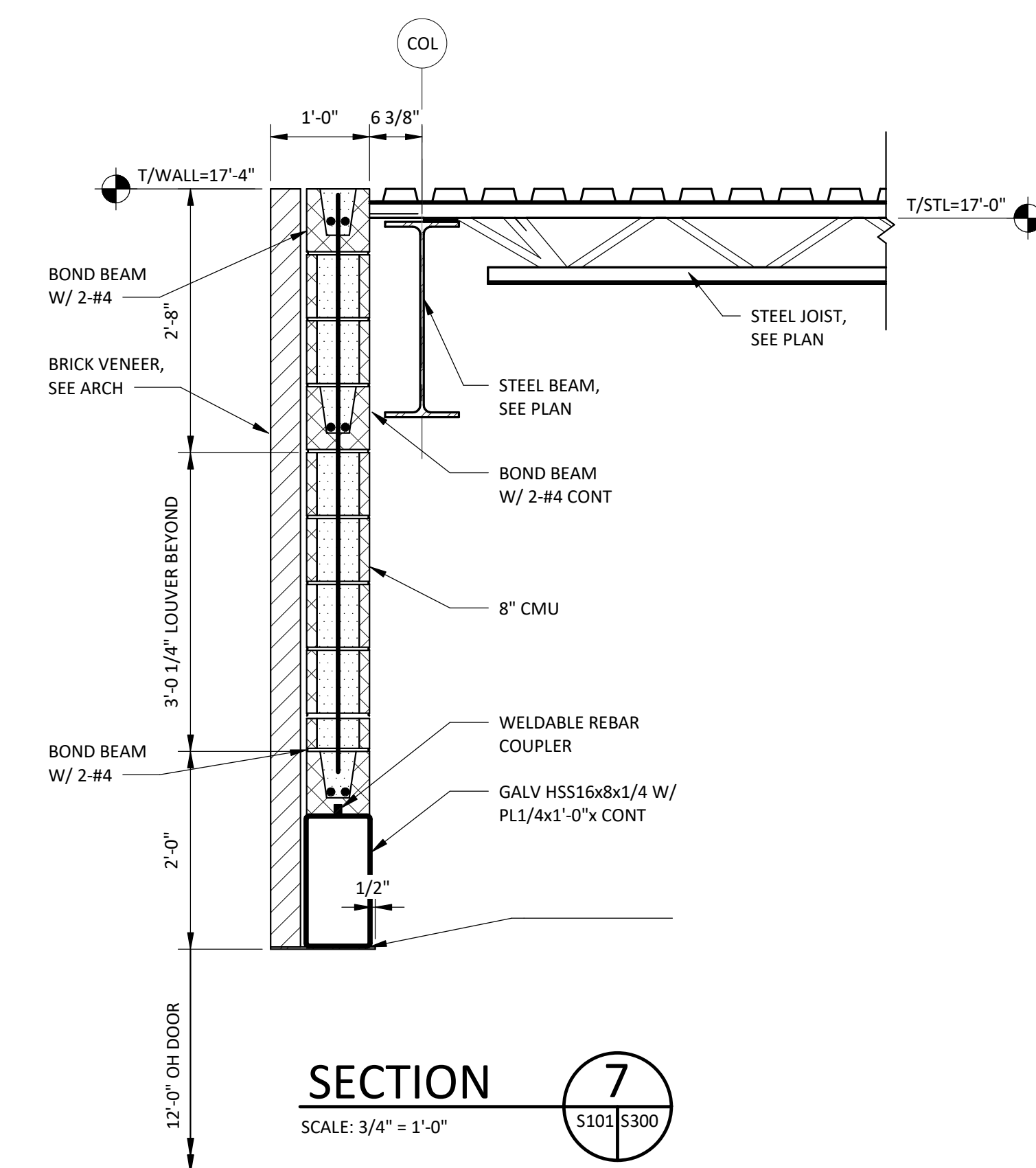
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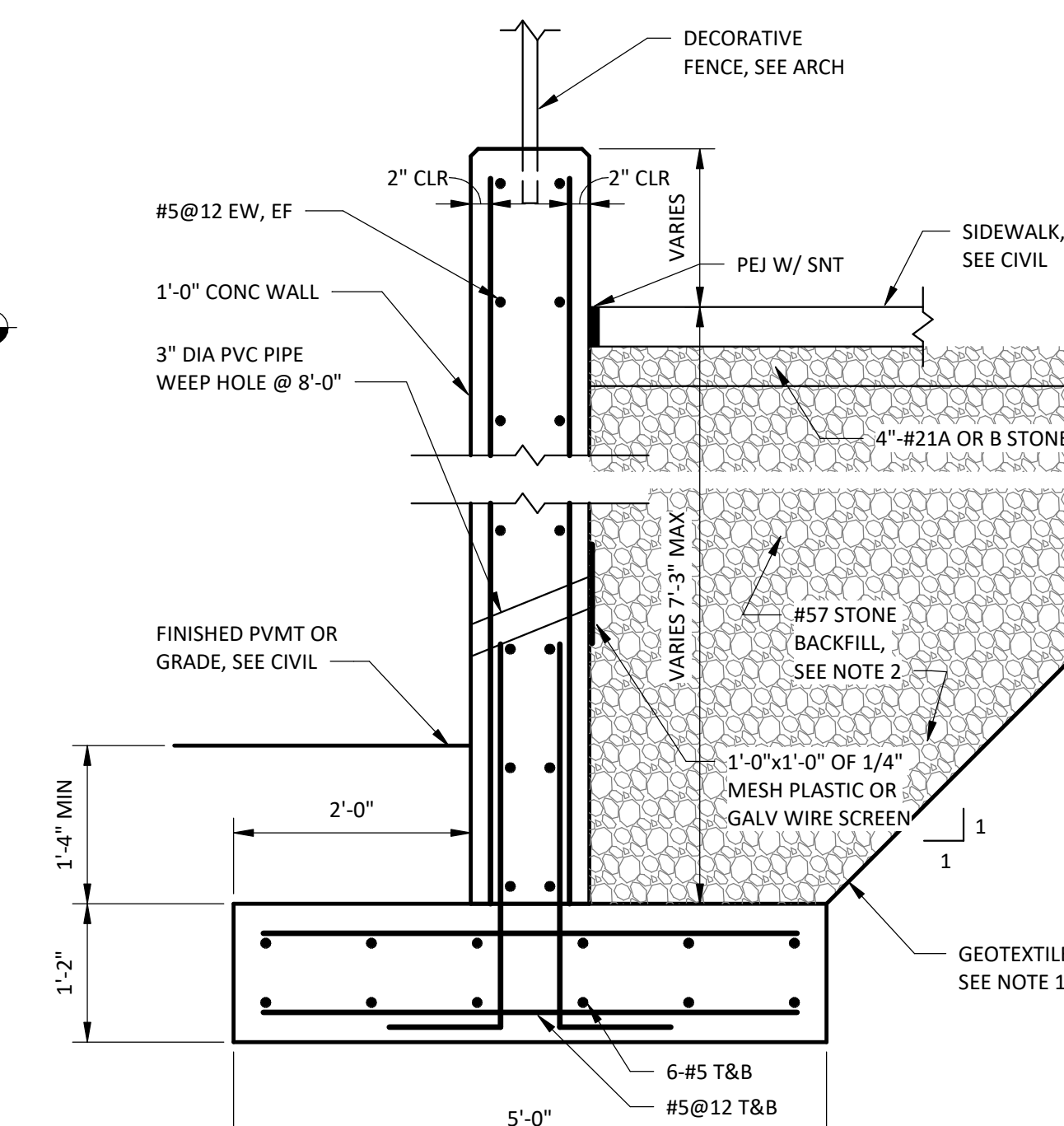
**SECTION 5**  
SCALE: 3/4" = 1'-0"



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

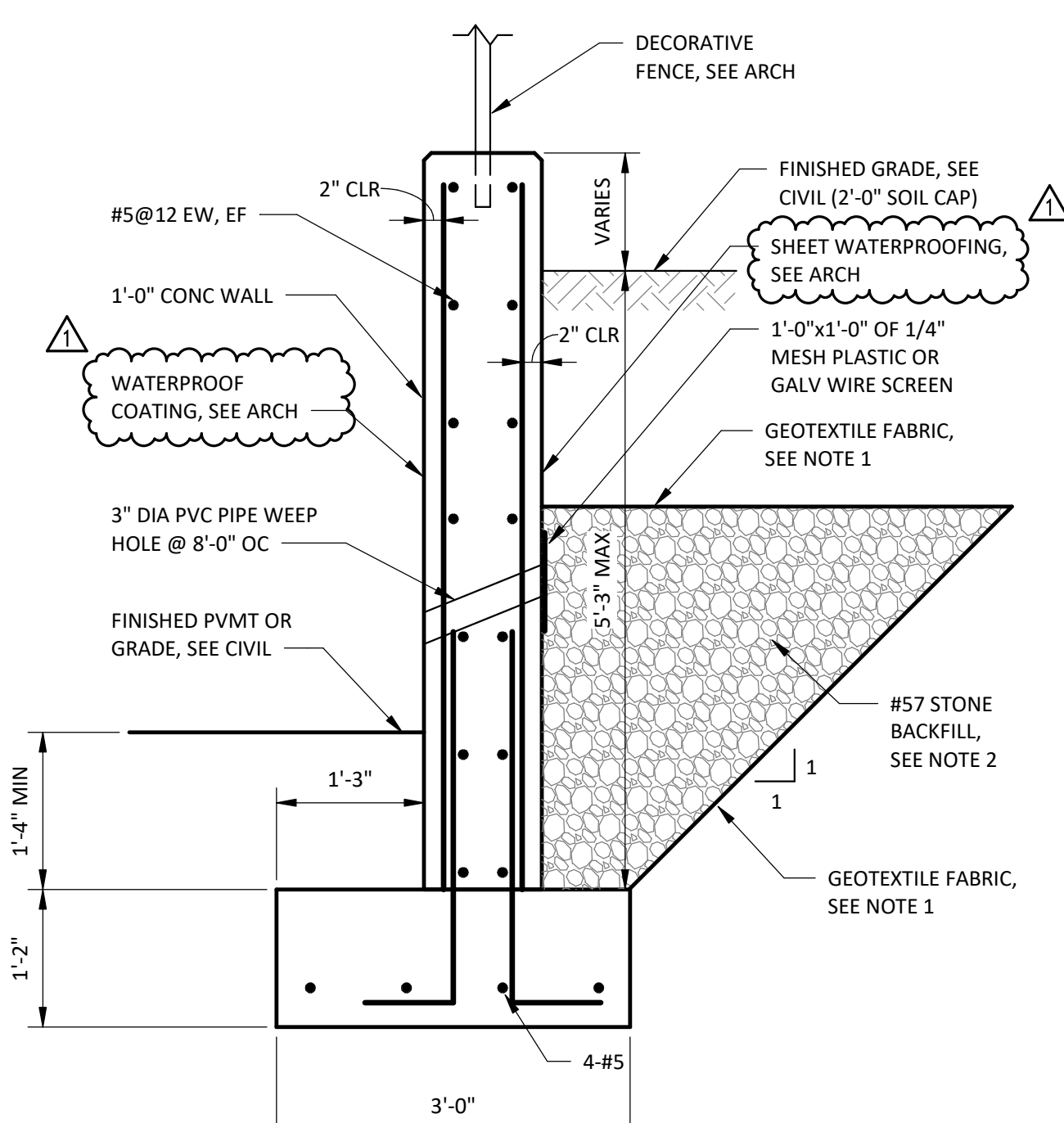


**SECTION 7**  
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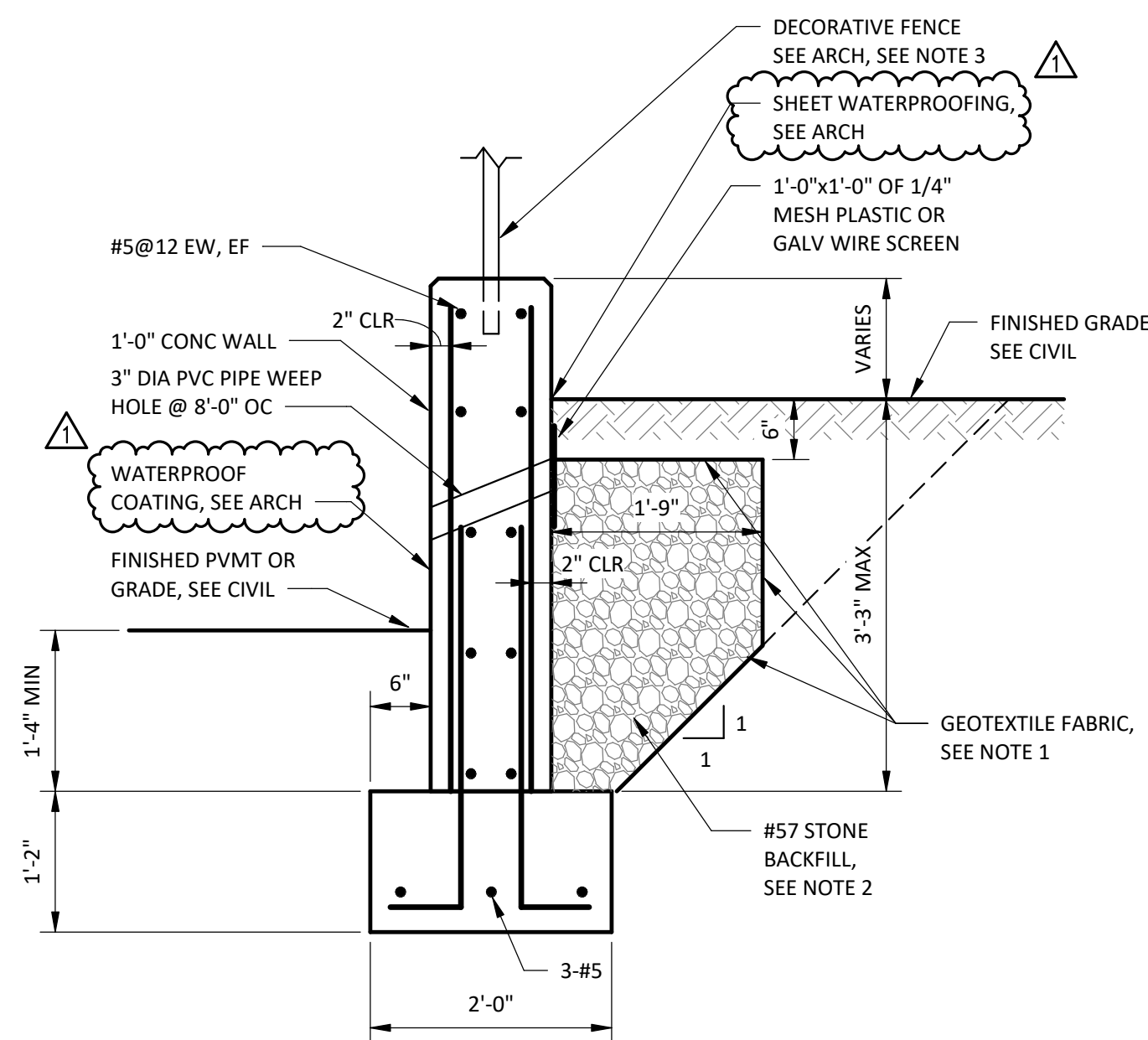


**SECTION 8**  
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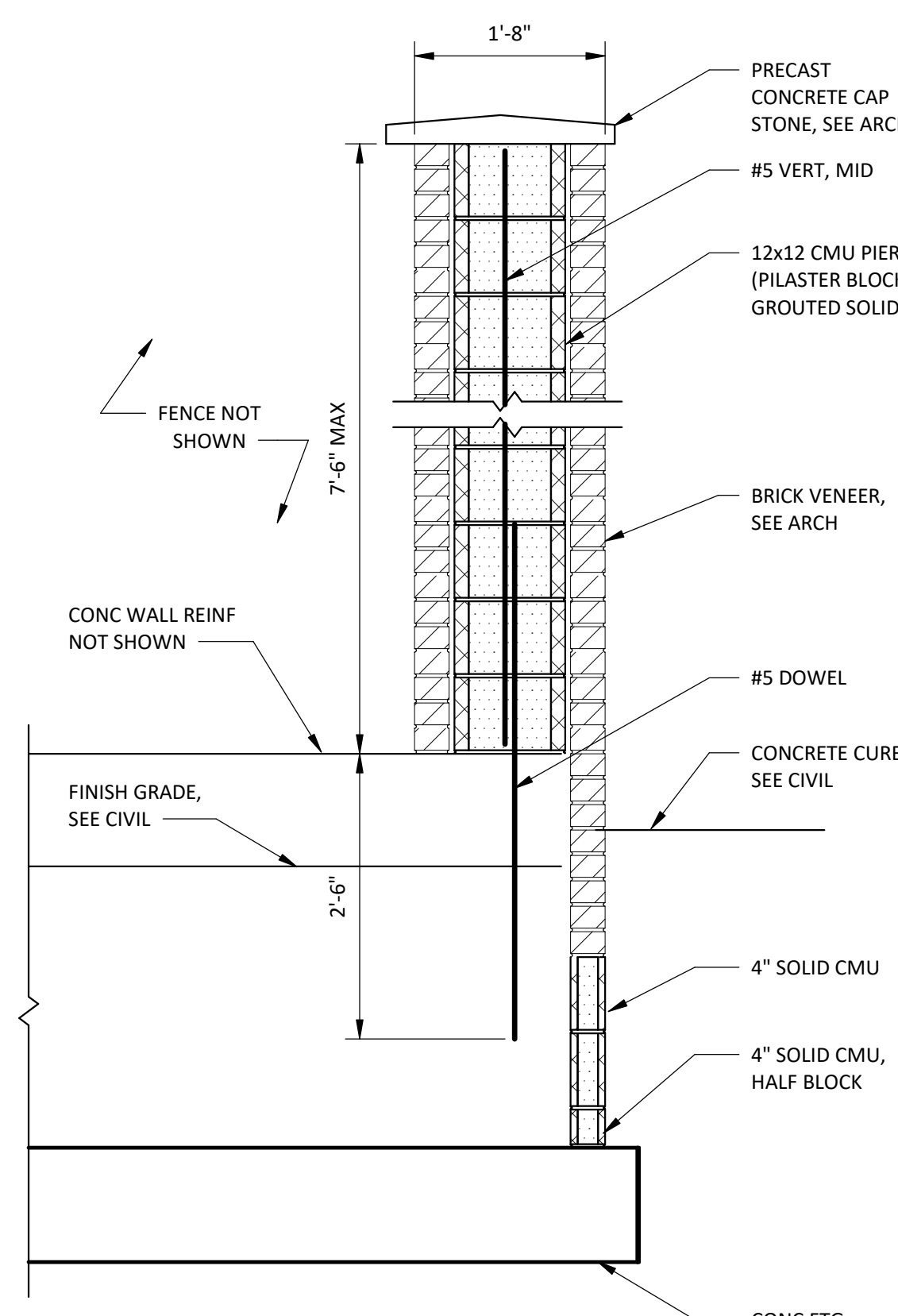
- NOTES:  
1. GEOTEXTILE FABRIC SHALL BE MIRAFI 140N OR APPROVED EQUAL.  
2. OPEN-GRADED STONE BACKFILL SHALL BE PLACED IN 12" MAX LIFTS AND DENSIFIED USING VIBRATORY EQUIPMENT.



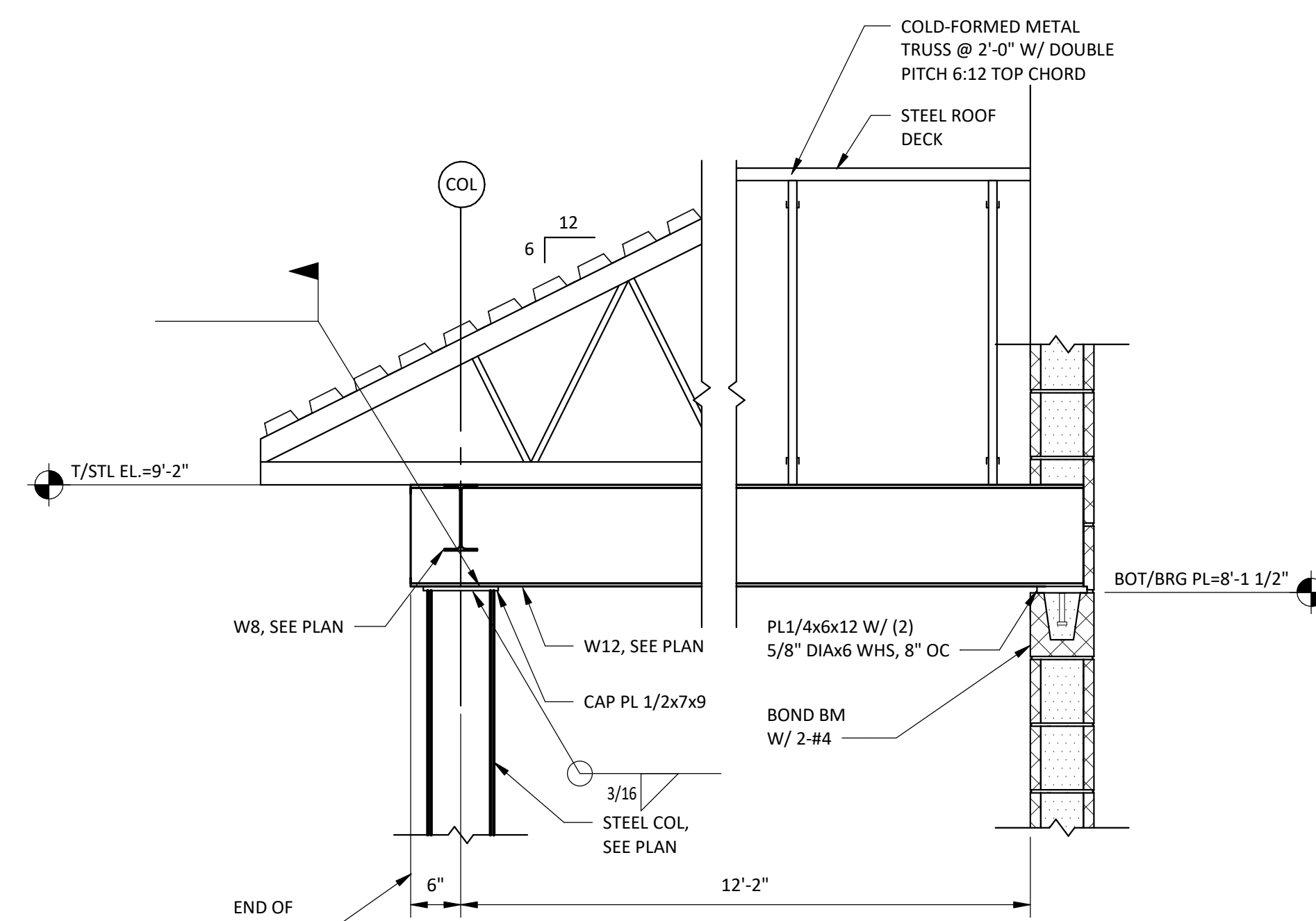
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**SECTION 10**  
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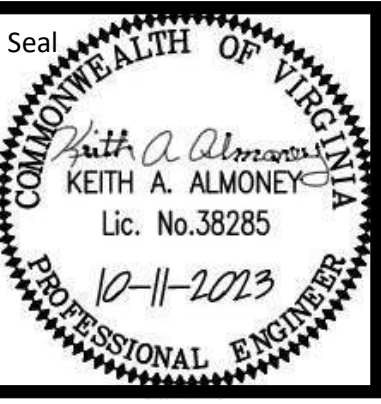


**SECTION 11**  
SCALE: 3/4" = 1'-0"



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

0 8" 1'-4" 2'-8"  
SCALE: 3/4" = 1'-0"



MONTGOMERY COUNTY MAGISTRATE AND COURT SERVICES BUILDING

SECTIONS

Purpose of Document: Issue

ADDENDUM NO. 5

Date: 12-11-2023

Designed: KAA

Drawn: MLT

Checked: RHT

Date: 10/11/2023

Project No.

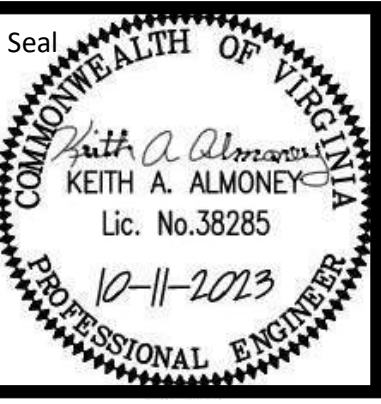
16910



Sheet No.

S300





MONTGOMERY COUNTY MAGISTRATE AND COURT SERVICES BUILDING

SECTIONS

Purpose of Document Issue

No.	Date	ADDENDUM NO. 4
1	11-28-2023	ADDENDUM NO. 5
2	12-11-2023	ADDENDUM NO. 5

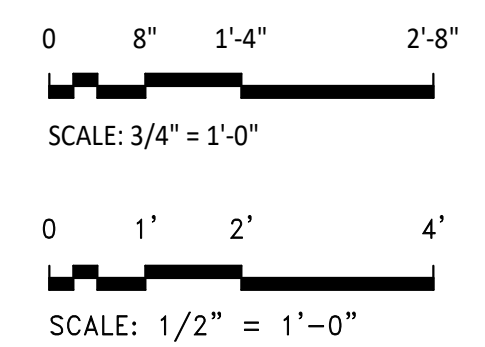
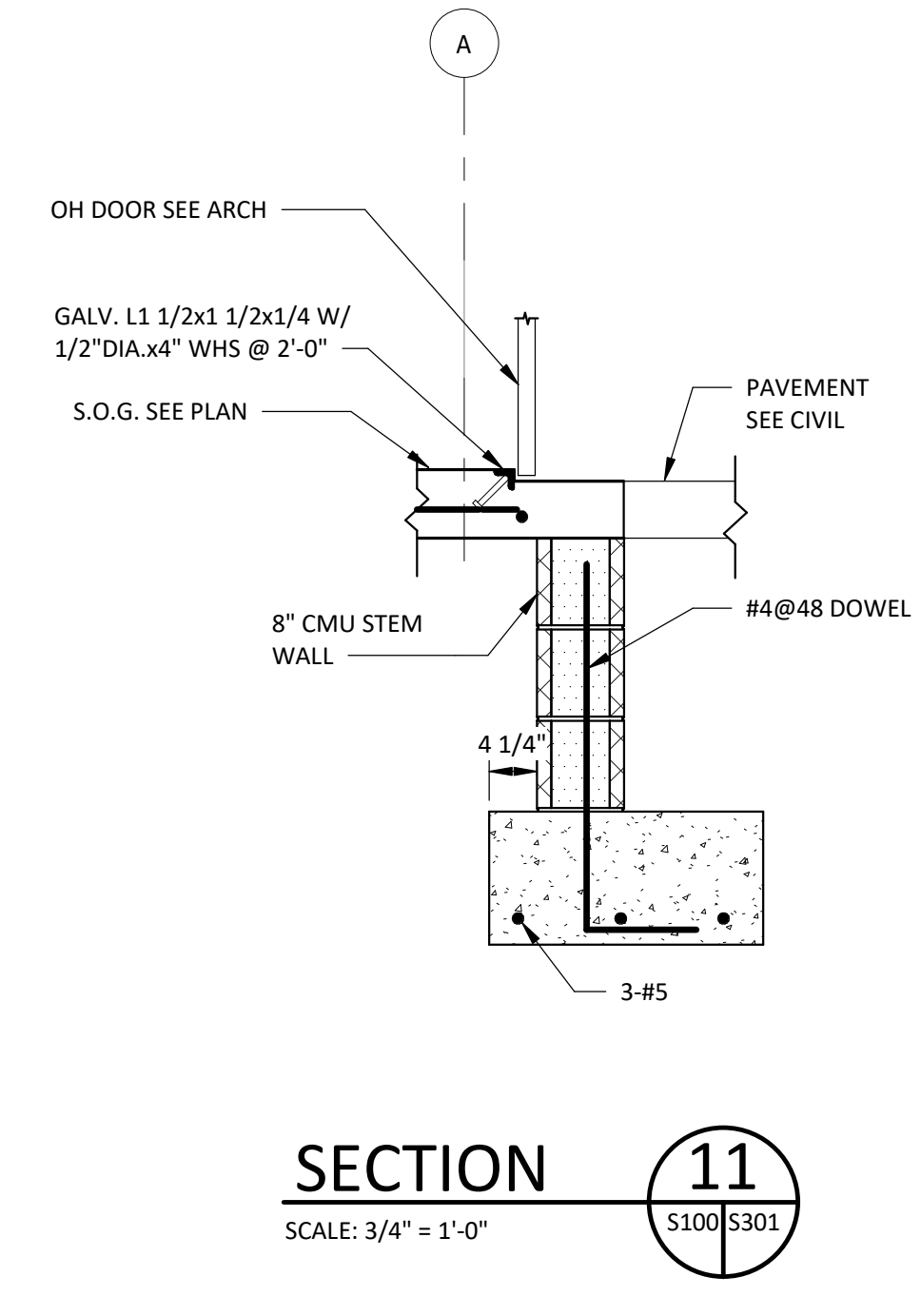
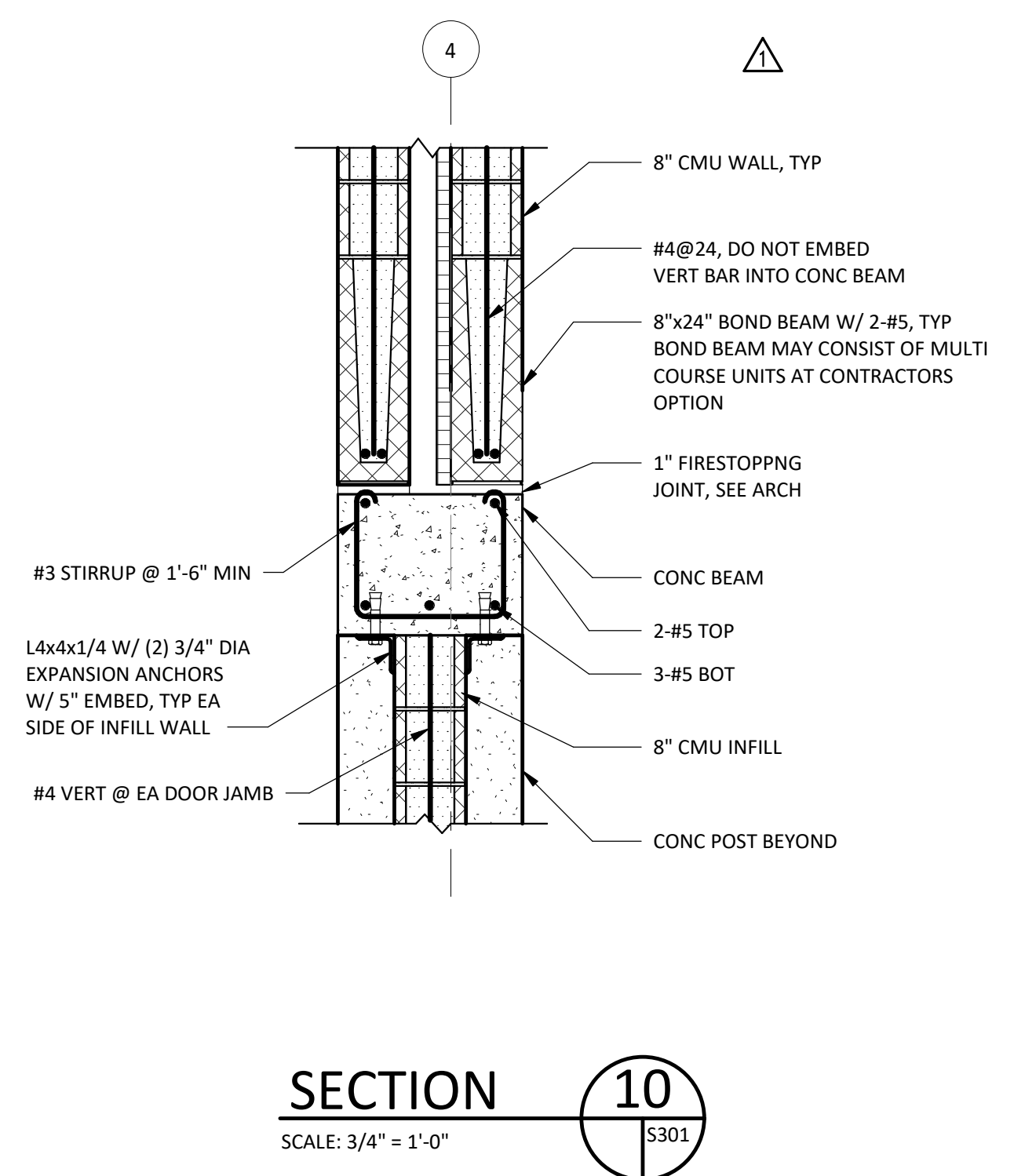
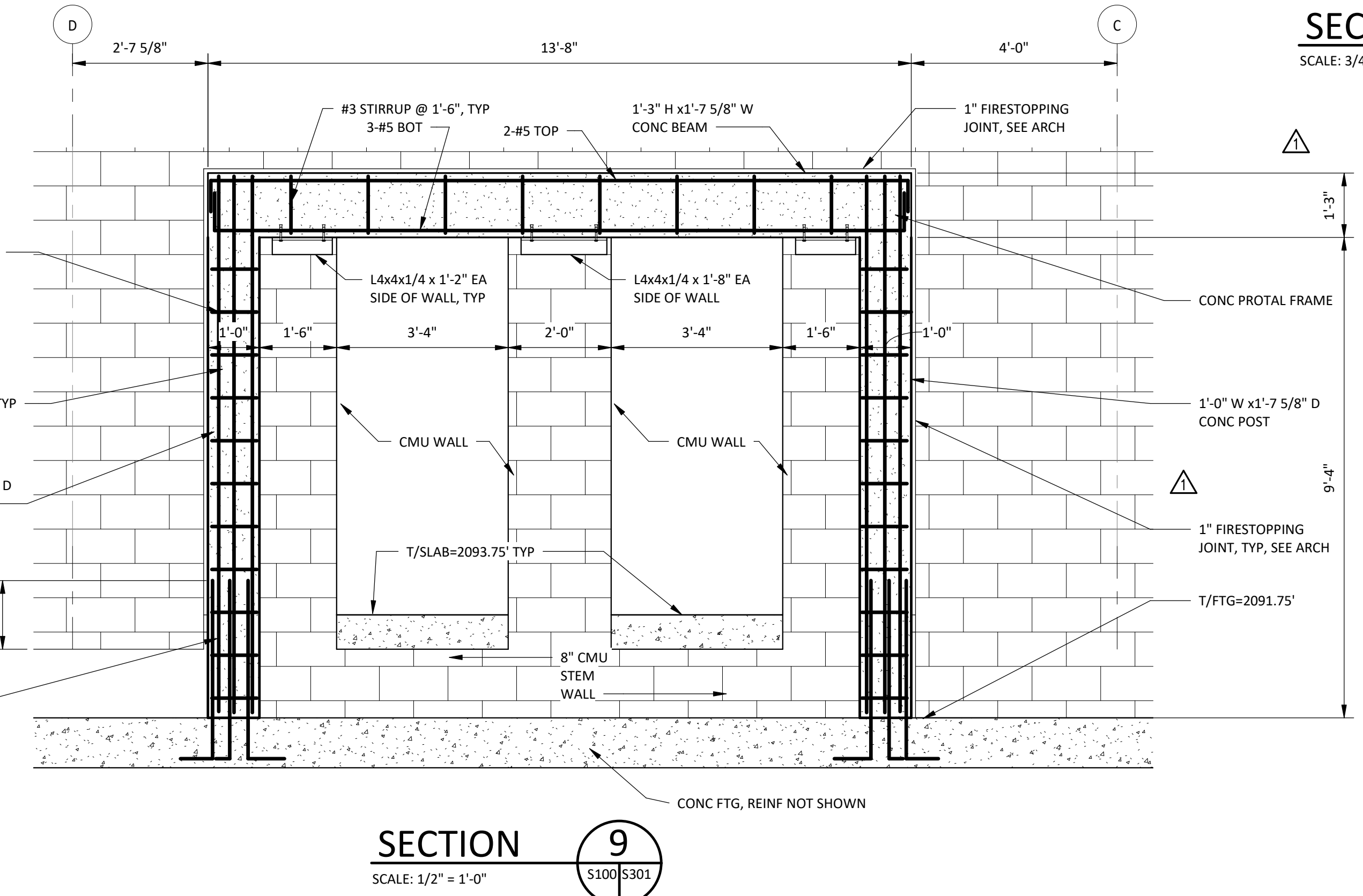
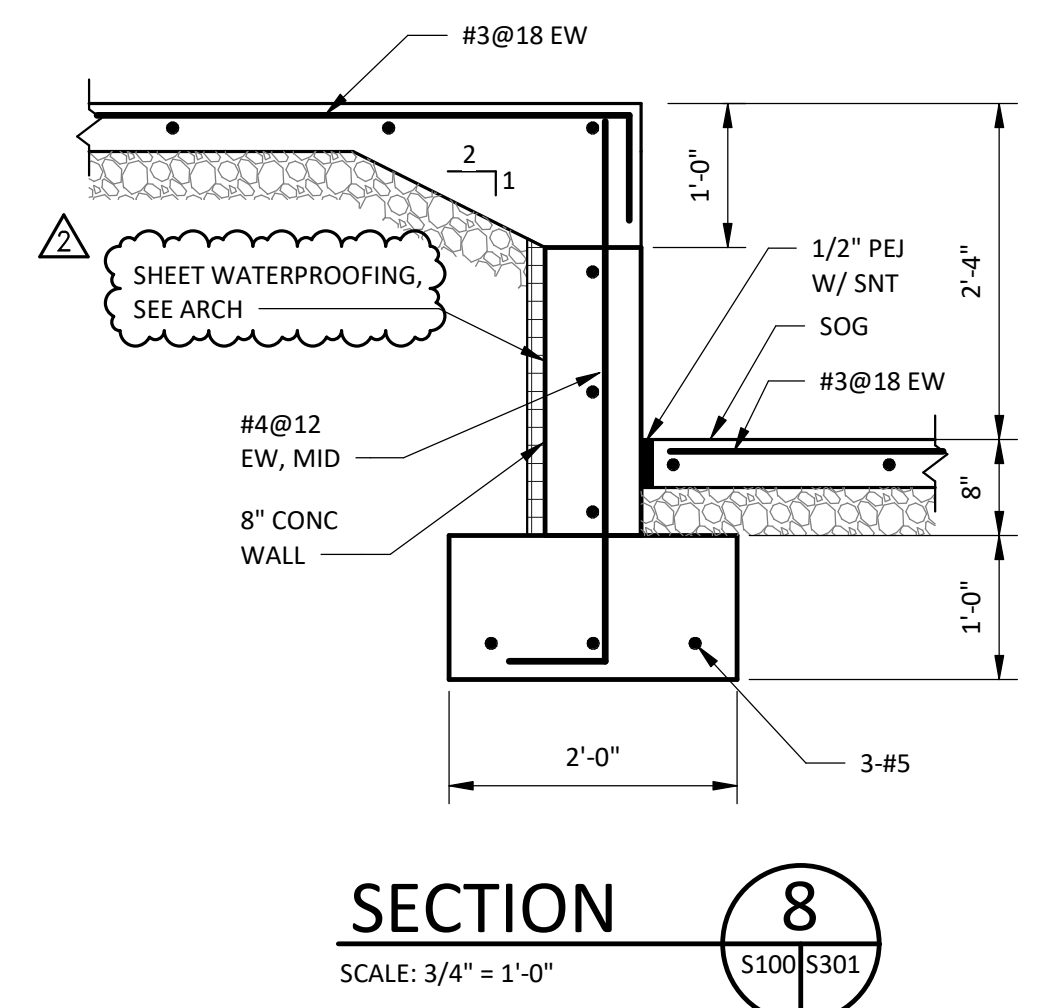
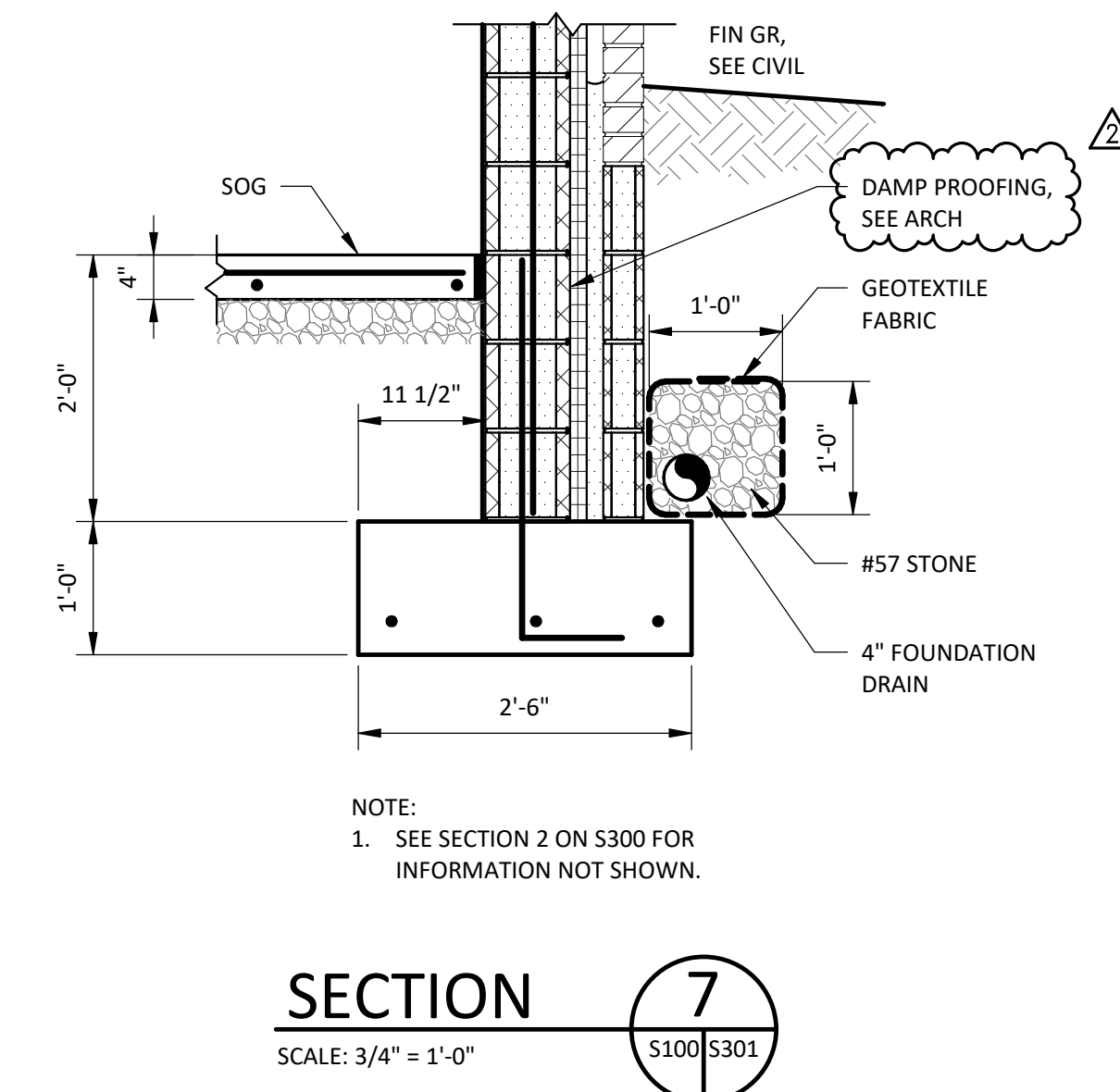
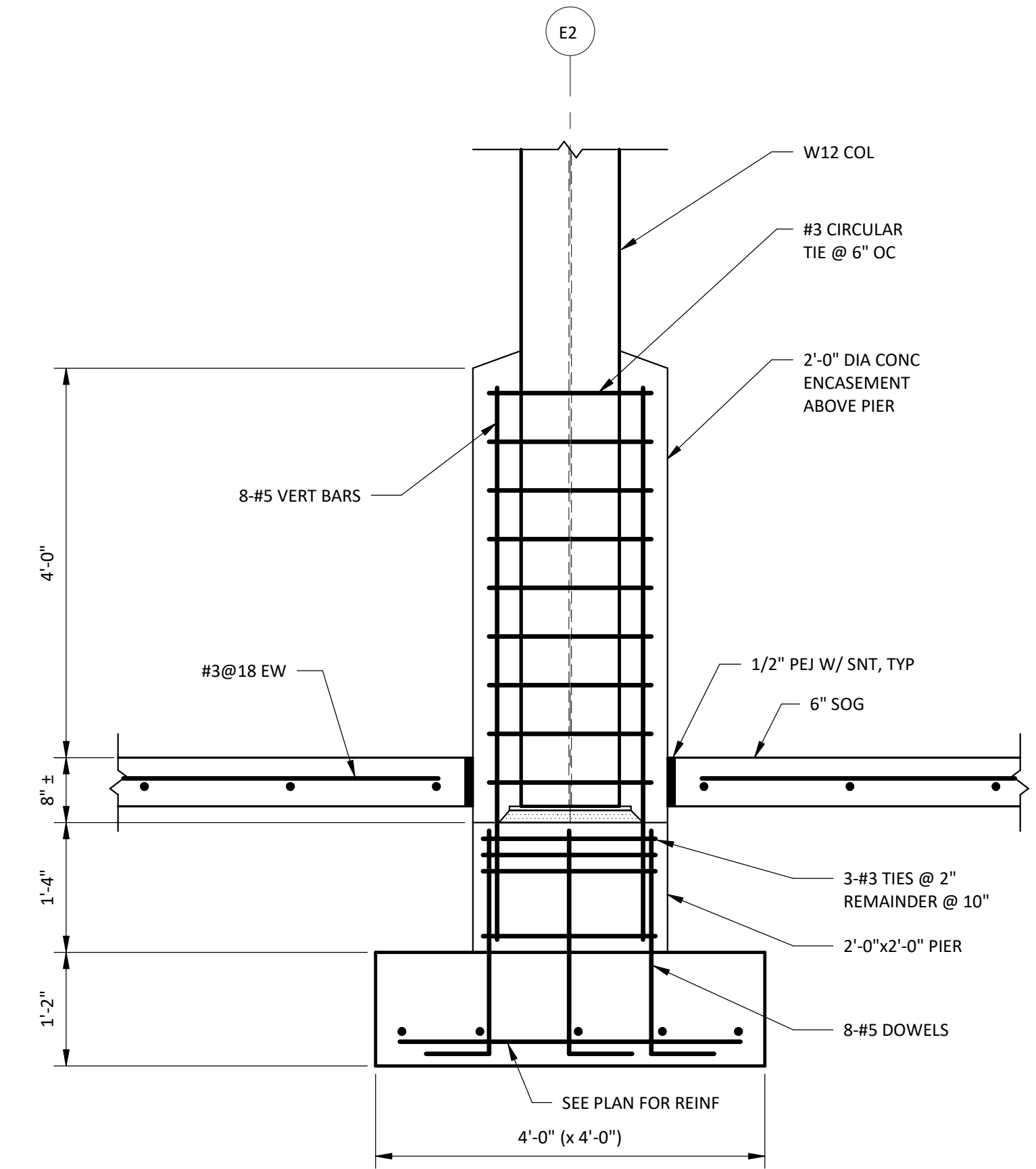
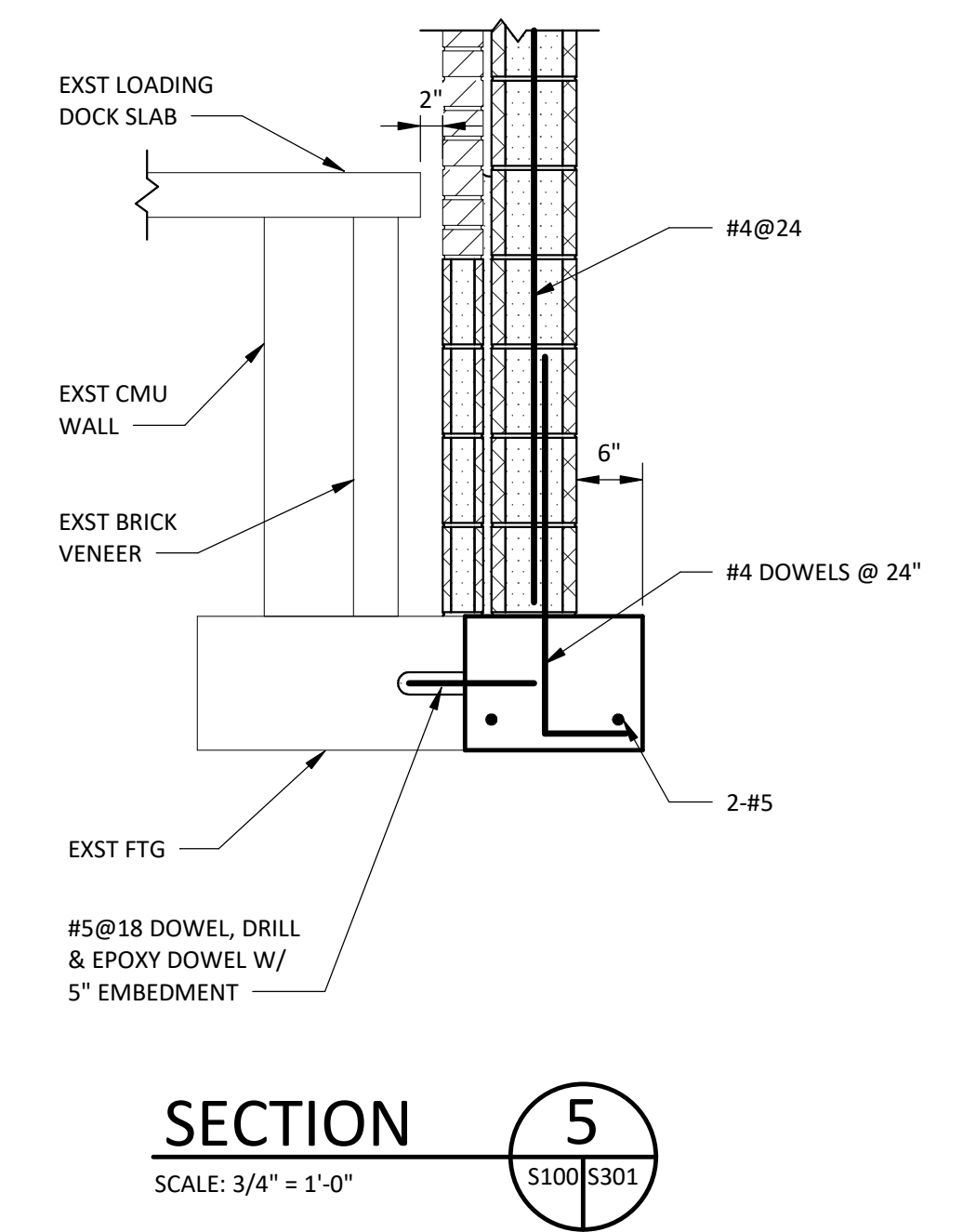
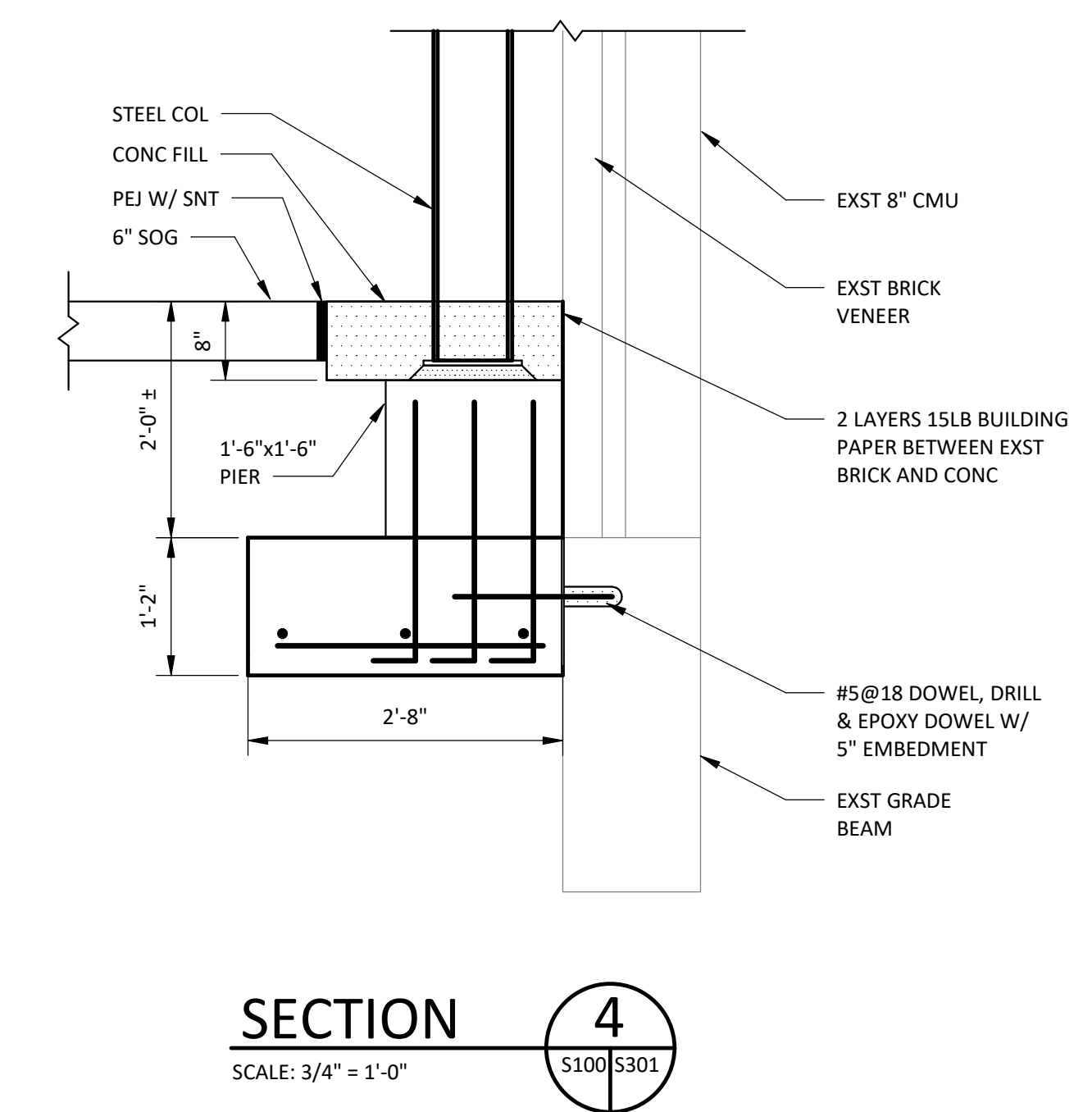
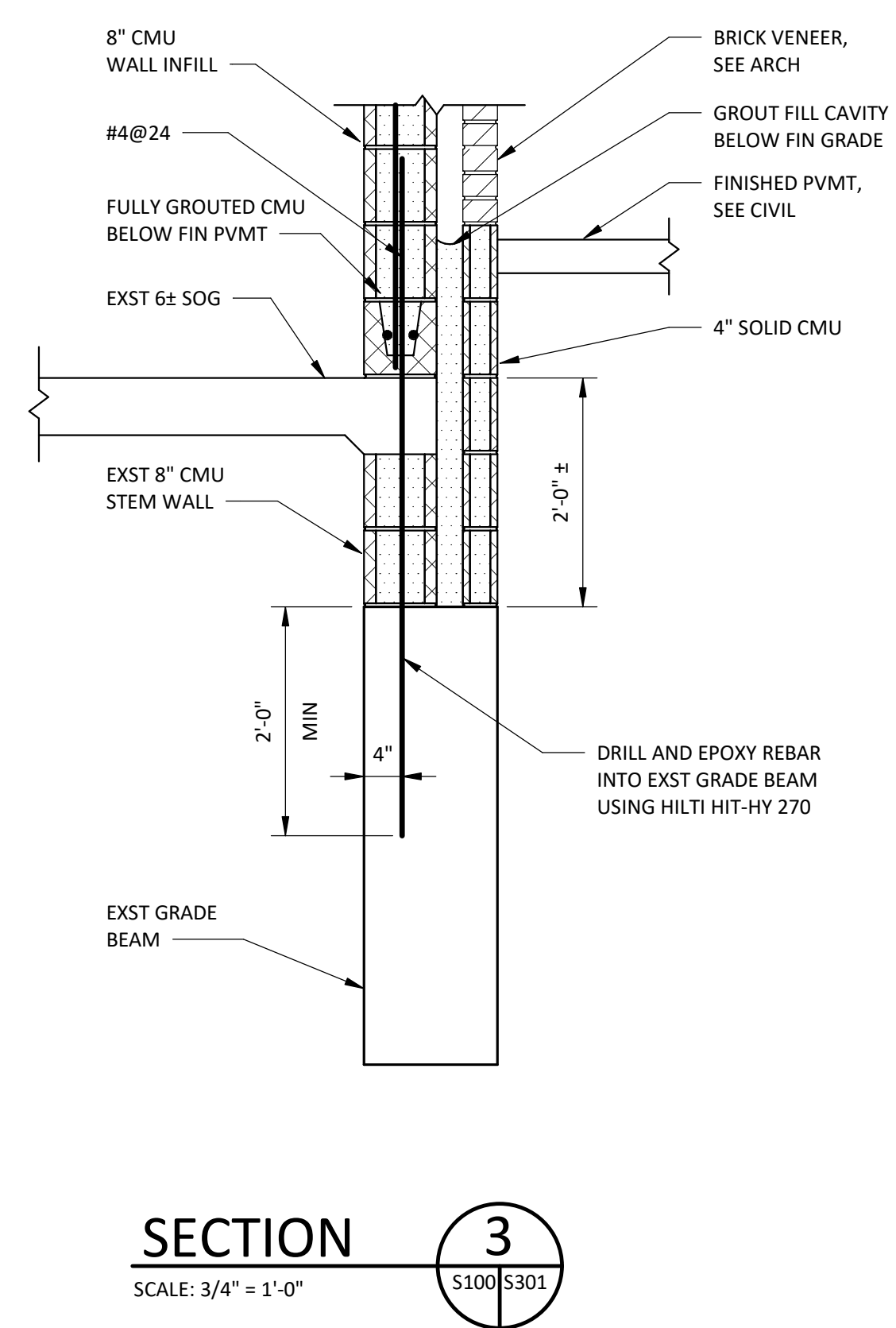
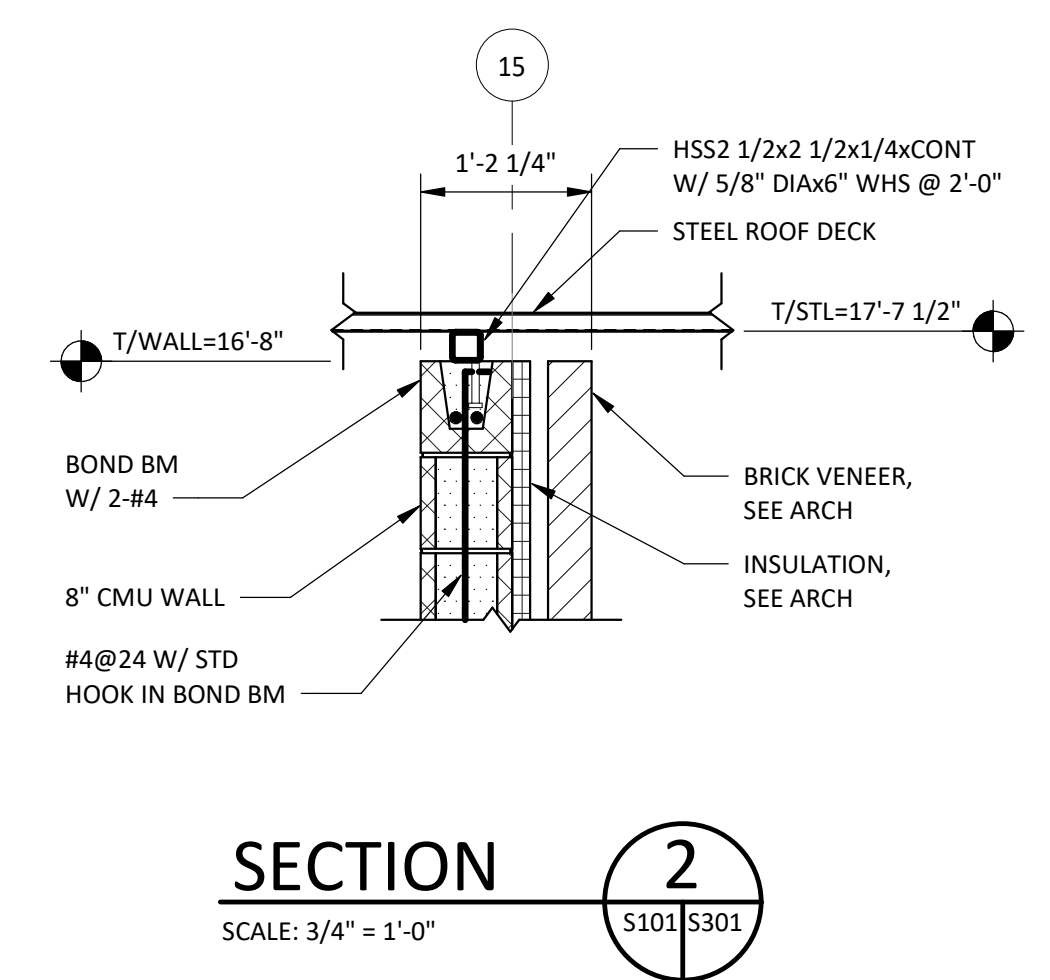
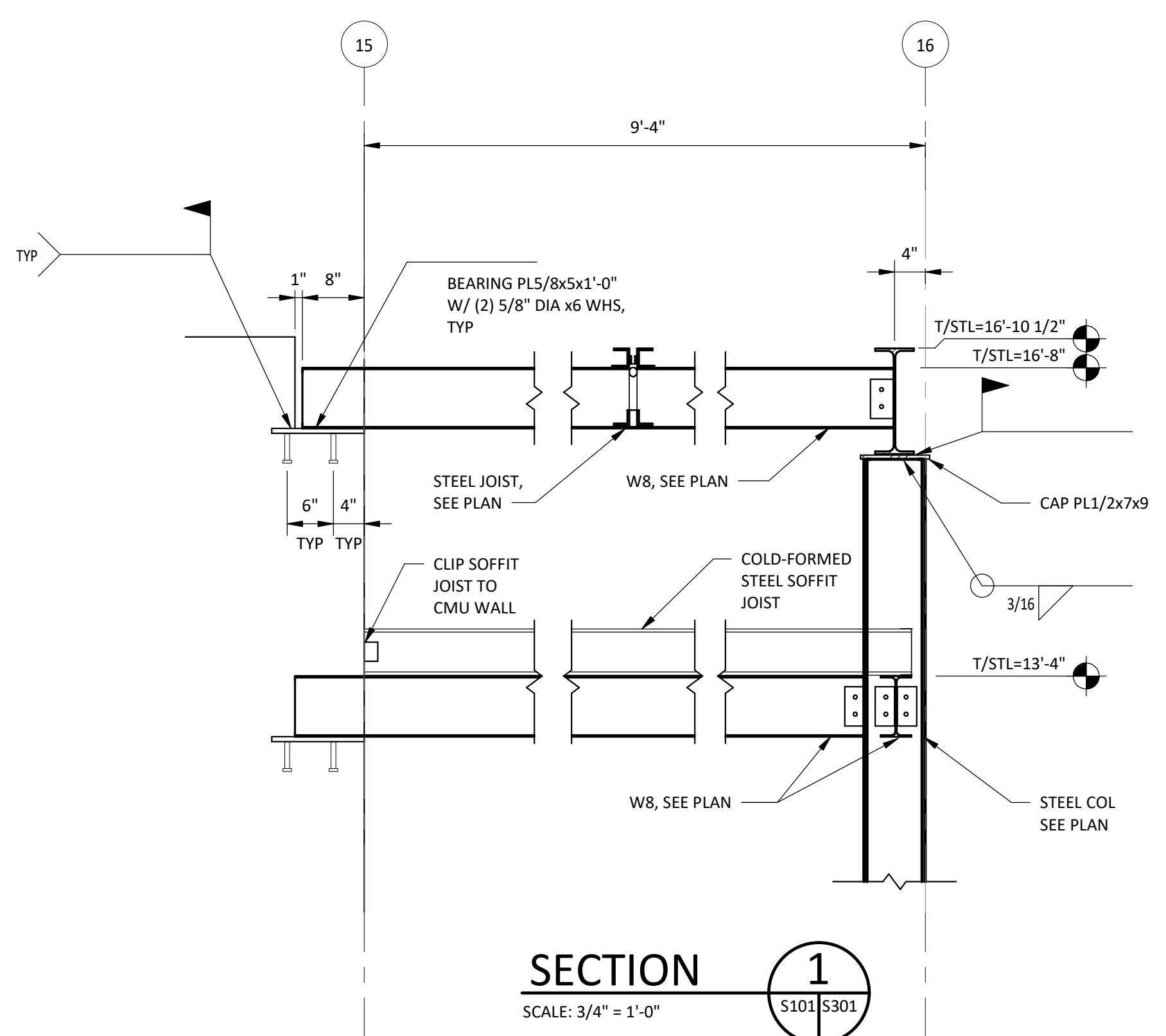
Designed	KA
Drawn	MLT
Checked	RHT
Date	10/11/2023

Project No.	16910
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Sheet No.

S301



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2	12-11-2023	ADDENDUM NO. 5	

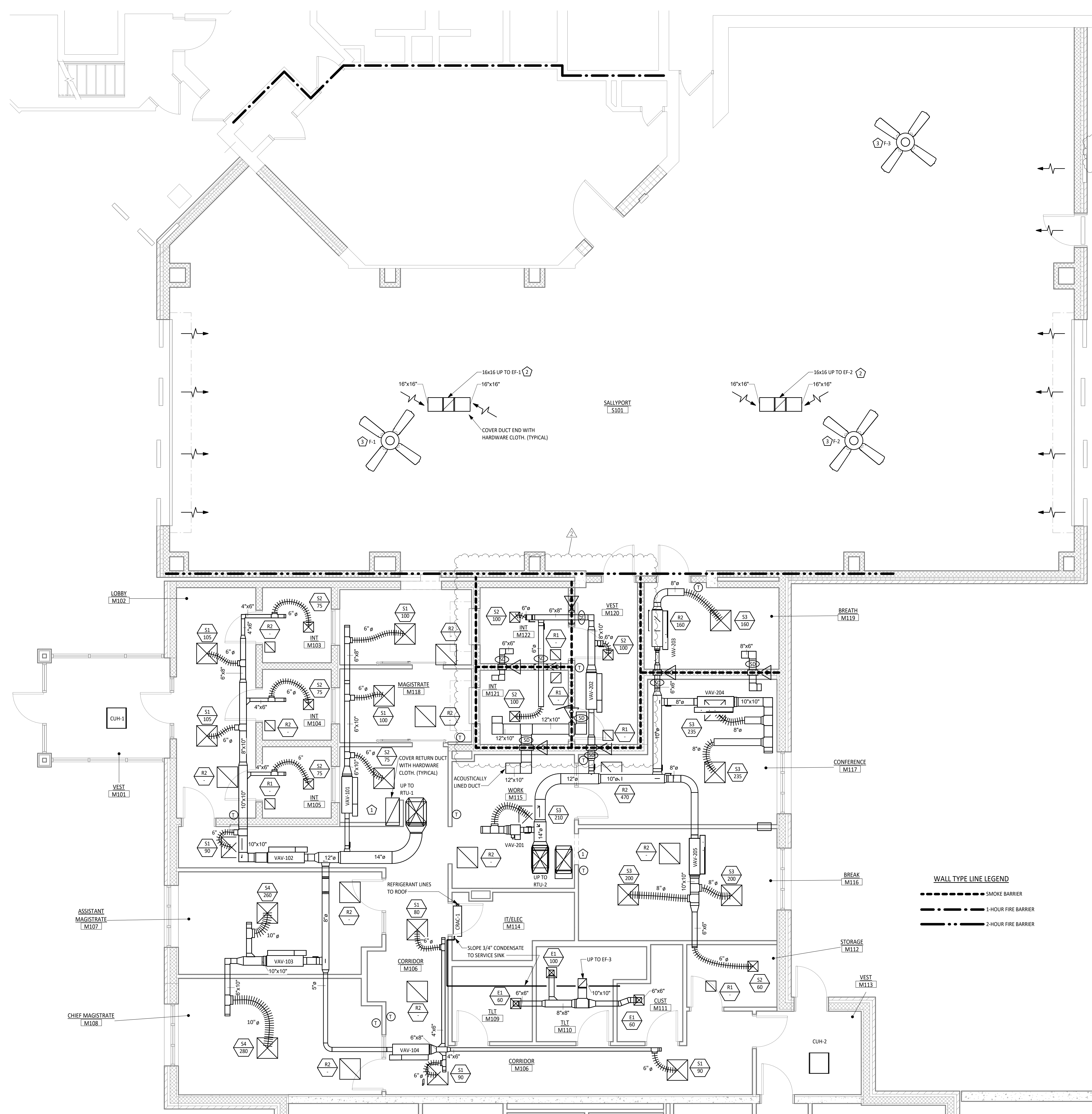
Designed	IT
Drawn	GW
Checked	SF
Date	10/11/2023

Project No.  
 16910

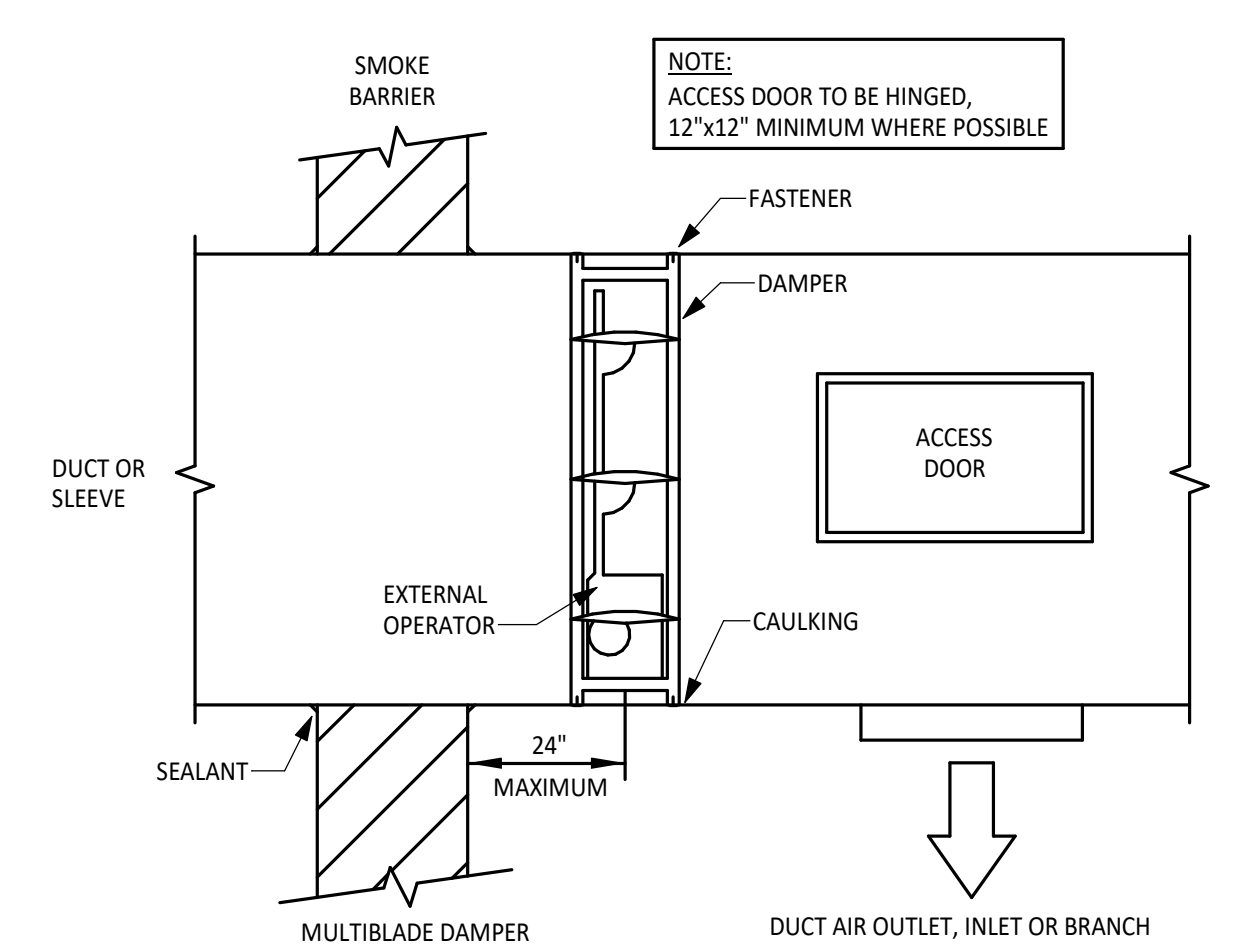


Sheet No.  
 M101

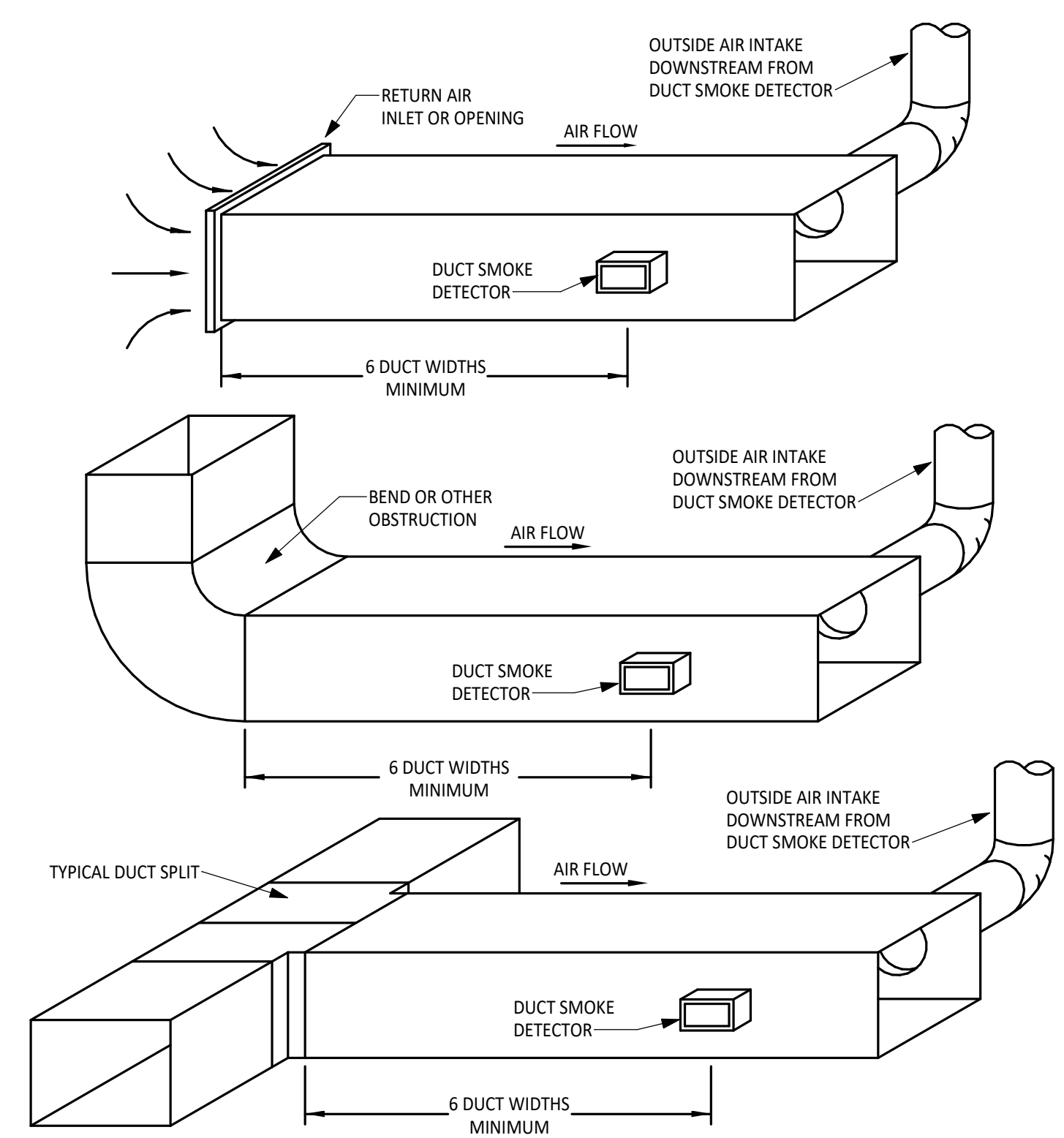
- MAGISTRATE'S OFFICE AND SALLYPORT KEYED NOTES:
- ROUTE RETURN DUCT INTO PLENUM SPACE, ELBOW AND COVER END OF DUCT WITH MESH HARDWARE CLOTH. LINE DUCT FOR SOUND ATTENUATION.
  - EXHAUST FAN TO INTERFACE WITH PARKING GARAGE GAS DETECTION SYSTEM. UPON ALARM FOR HIGH CO/NO2 CONCENTRATION LEVELS, FAN SHALL INITIALIZE. ONCE CONCENTRATION LEVELS DROP BELOW THE PRESET CUTOFF, A 5-MINUTE TIMER SHALL BEGIN FOR FAN SHUTDOWN.
  - COORDINATE MOUNTING HEIGHT WITH LIGHTING TO PREVENT STROBE EFFECT. FANS SHALL BE MONITORED BY BAS AND HAVE LOCAL CONTROLS.



PERFORATED ALUMINUM GRILLE FOR MAKEUP AIR, TYPICAL FOR 10. SEE SHEET A201 FOR ADDITIONAL COORDINATION.



SMOKE DAMPER DETAIL

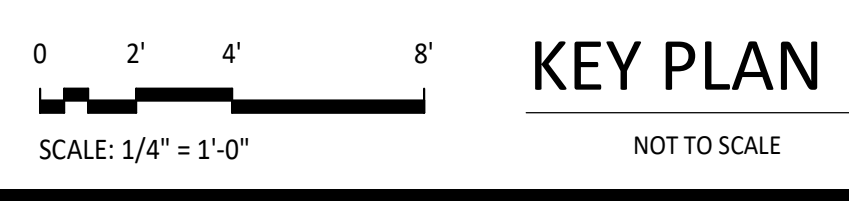


TYPICAL DUCT SMOKE DETECTOR PLACEMENT

WALL TYPE LINE LEGEND

(Dashed line)	SMOKE BARRIER
(Dash-dot line)	1-HOUR FIRE BARRIER
(Dotted line)	2-HOUR FIRE BARRIER

MAGISTRATE'S OFFICE & SALLYPORT HVAC FLOOR PLAN  
 1/4" = 1'-0"  
 PLAN NORTH



Date/Time: 12/11/2023 9:24:33 AM File Name: C:\Users\ian\_ibornas\Documents\16910 MC Magistrate-Court Services\2\_V22\_Mech\_Ibomas\23MKN1.v4



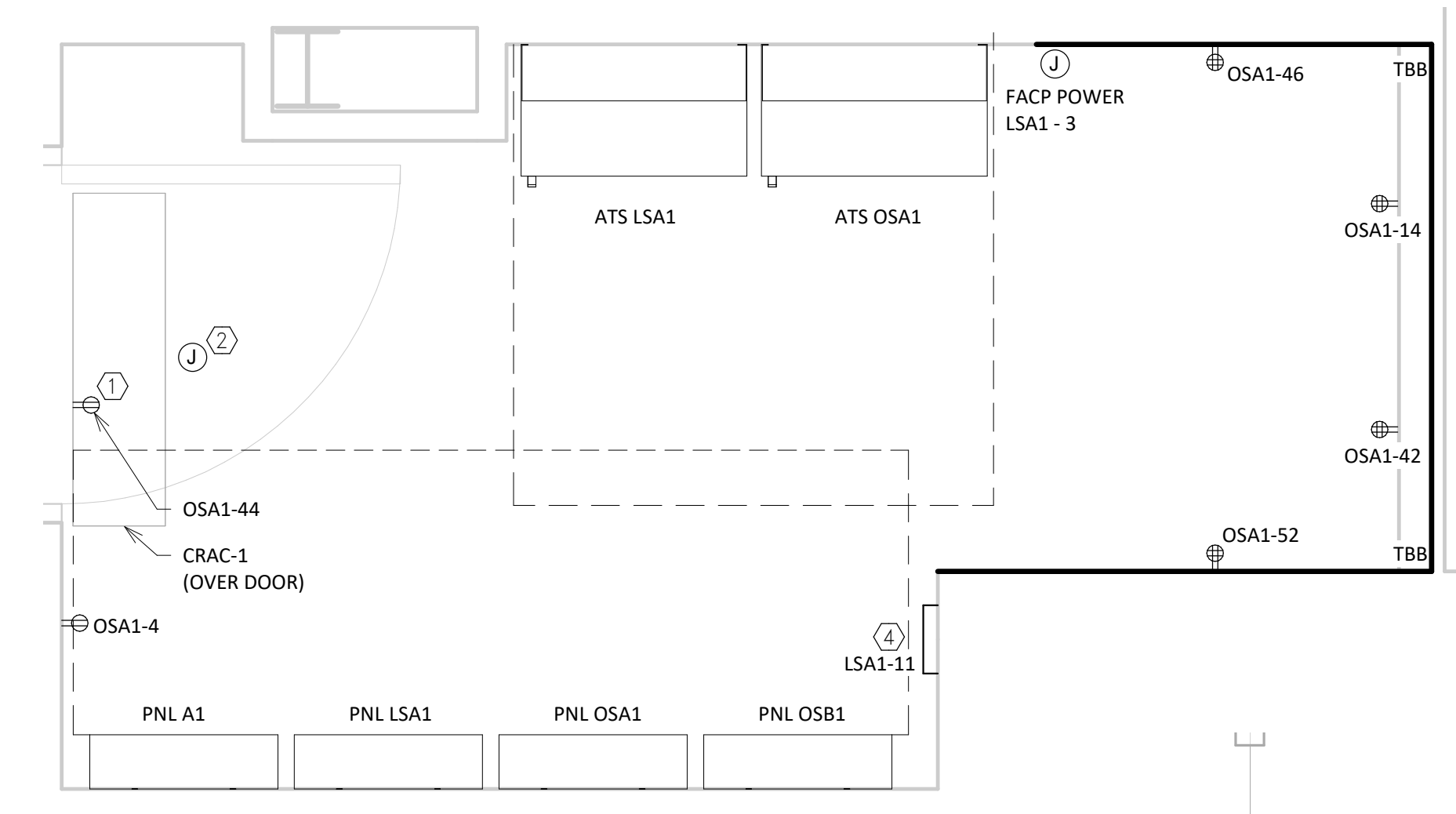


MONTGOMERY COUNTY MAGISTRATE AND COURT SERVICES BUILDING

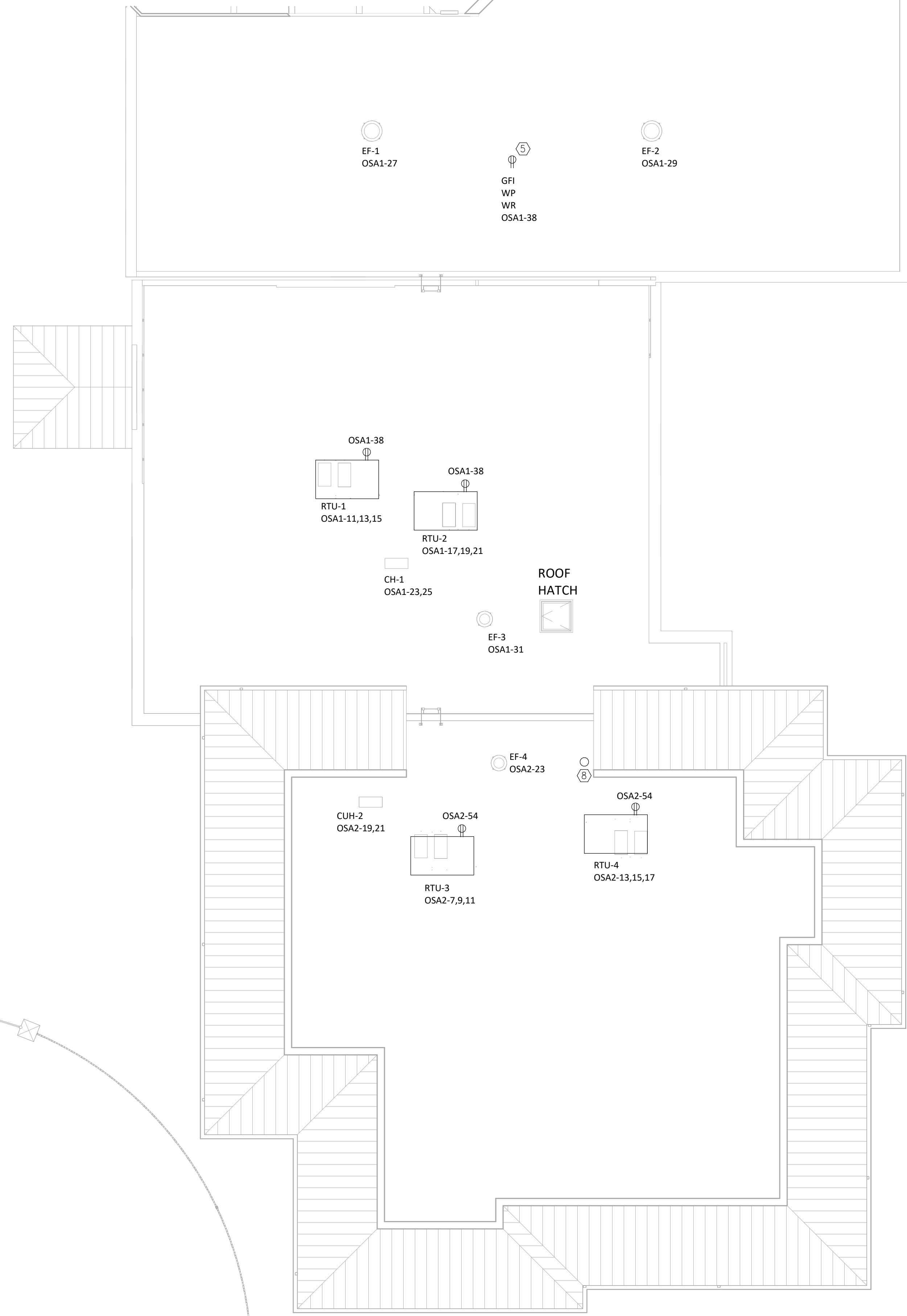
POWER PLAN

- SHEET KEYED NOTES:**
1. PROVIDE RECEPTACLE ADJACENT TO MECHANICAL UNIT FOR CONDENSATE PUMP. CIRCUIT AS INDICATED.
  2. PROVIDE POWER FOR POE NETWORK BOARD ABOVE ACCESSIBLE CEILING FOR ACCESS CONTROL. POE NETWORK BOARD BY OTHERS PER SPECIFICATION SECTION 01 2100. WHERE NO ACCESS CEILING EXISTS, WALL MOUNT 12" ABOVE DOOR ON SECURE SIDE. COORDINATE CLEARANCE AND ACCESS WITH CRAC LOCATION.
  3. RECEPTACLE POWERING MONITOR/VIDEO SYSTEM FOR ADJACENT INTERVIEW ROOM. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER. MOUNT ADJACENT TO DATA OUTLET.
  4. REMOTE GENERATOR ANNUNCIATOR WITH EMERGENCY STOP. CIRCUIT AS INDICATED. COORDINATE FINAL LOCATION WITH OWNER.
  5. SEE MAINTENANCE RECEPTACLE MOUNTING DETAIL ON SHEET E501 MOUNTING INFORMATION.
  6. SEE POWER PLAN - ENLARGED IT/ELEC C117 THIS SHEET.
  7. SEE POWER PLAN - ENLARGED IT/ELEC M114 THIS SHEET.
  8. PROVIDE 3/4" C STUBBED THROUGH ROOF AND CAPPED FOR FUTURE CAMERA.
  9. INTERLOCK GARAGE DOOR ACCESS CONTROLS SO ONLY ONE GARAGE DOOR WILL BE ALLOWED TO OPEN AT A TIME.
  10. GARAGE DOOR SHALL BE OPERATED ONLY BY THE JAIL CONTROL ROOM VIA PUSH BUTTON.
  11. CIRCUIT SMOKE DAMPERS TO PANEL OSB1, CIRCUIT NUMBER 25. SEE MECHANICAL DRAWINGS ON SHEET M101 FOR ACTUAL LOCATION.

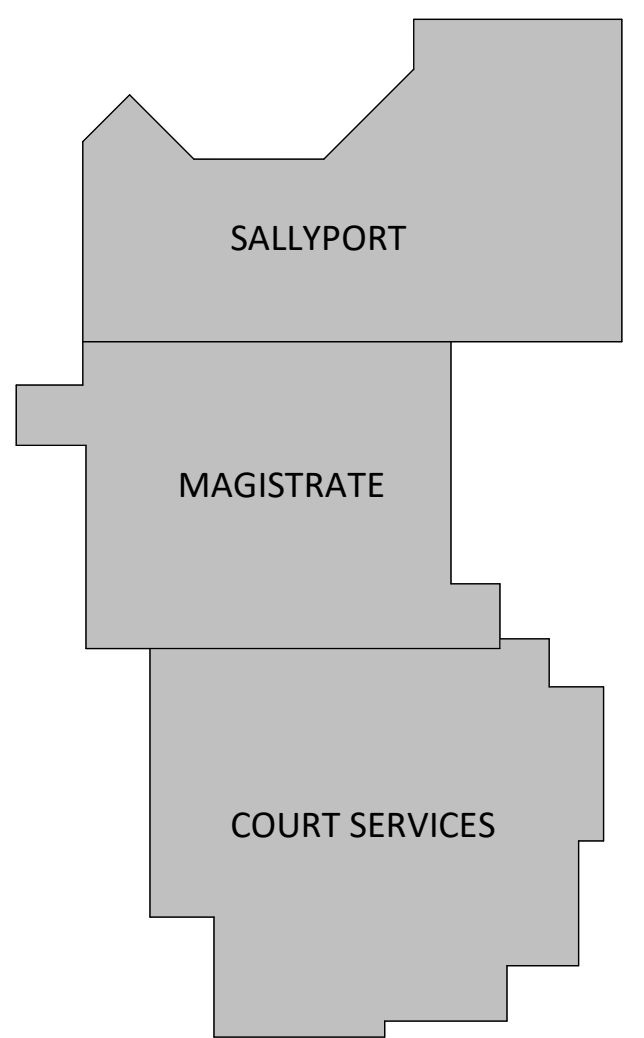
- GENERAL SHEET NOTES:**
1. FLOOR BOXES SHOWN ON BOTH POWER AND COMMUNICATION SHEETS IN SAME LOCATIONS ARE THE SAME SINGLE FLOOR BOX WITH REQUIRED DIVIDERS.
  2. PROVIDE CONTINUOUS TBB ON WALLS WHERE INDICATED IN IT/ELEC ROOMS. SEE LEGEND FOR SPECIFIC MOUNTING HEIGHTS AND TBB REQUIREMENTS.
  3. SEE ARCHITECTURE SHEETS FOR KNOX BOX REQUIREMENTS. SWITCHES AND RECEPTACLES LOCATED WITHIN THE TYPE D WALLS SHALL BE WRAPPED WITH 1/2" BALLISTIC FIBERGLASS PANELS ON ALL SIDES. SEE ARCHITECTURAL SHEET FOR MORE INFORMATION REGARDING WALL TYPES.



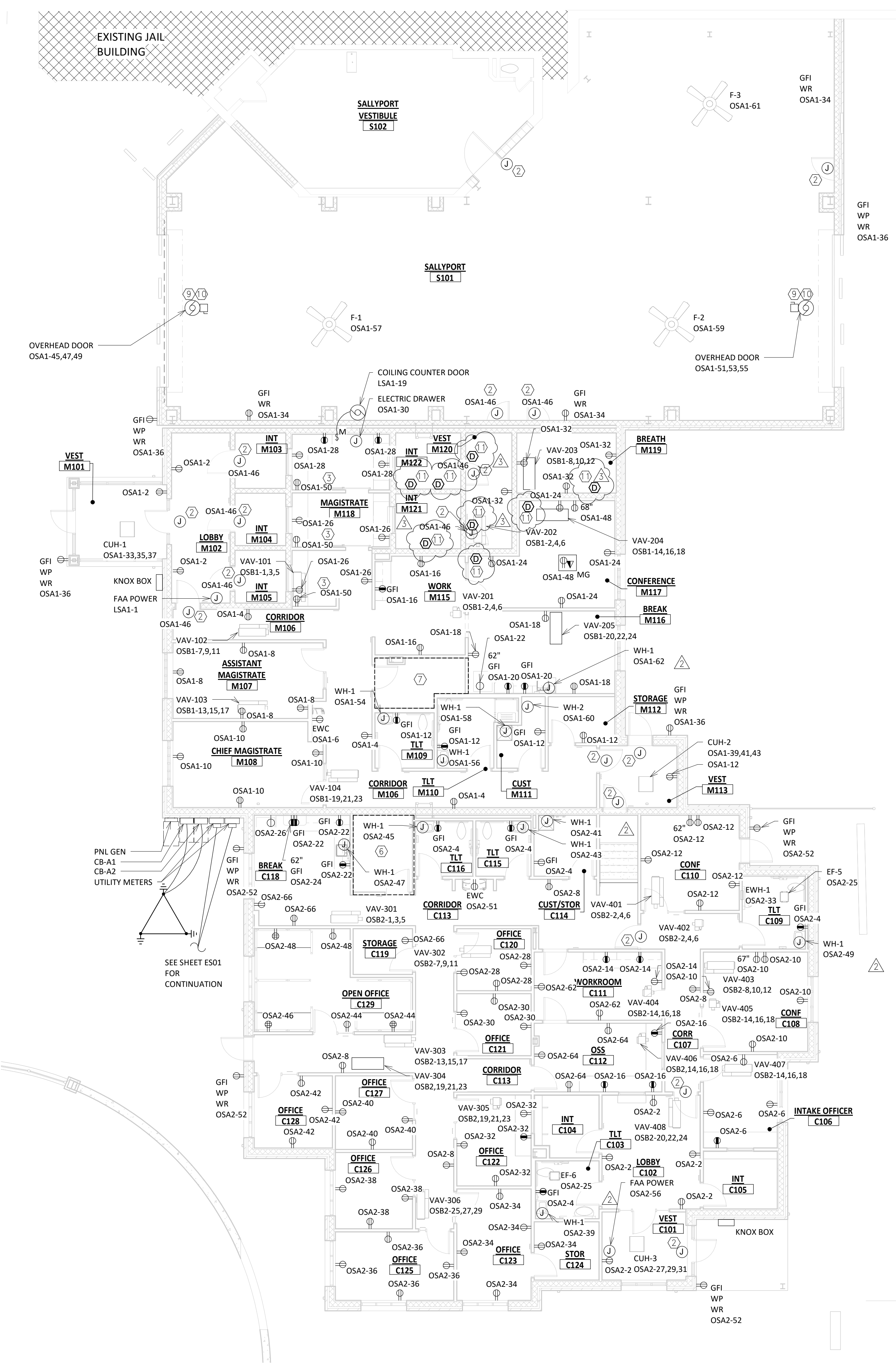
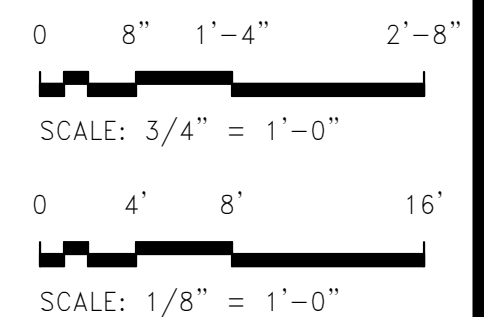
**POWER PLAN - ENLARGED IT/ELEC M114**  
3/4" = 1'-0"  
PLAN NORTH



**POWER PLAN - ENLARGED IT/ELEC C117**  
3/4" = 1'-0"  
PLAN NORTH



**KEY PLAN**  
NTS



**POWER PLAN**  
1/8" = 1'-0"  
PLAN NORTH

**POWER PLAN ROOF**  
1/8" = 1'-0"  
PLAN NORTH

Date/Time: 12/11/2023 8:16:54 AM File Name: C:\Users\thomas\_r\OneDrive\Documents\16910 MC Magistrate-Court Services ELEC\_1.rvt

No.	Date	ADDENDUM NO. 4	Purpose of Document Issue
2	11/28/2023	ADDENDUM NO. 4	
3	12/11/2023	ADDENDUM NO. 5	

Designed	TKR
Drawn	TKR
Checked	RMA
Date	10/11/2023

Project No.  
**16910**



Sheet No.  
**E201**





MONTGOMERY COUNTY MAGISTRATE AND COURT SERVICES BUILDING COMMUNICATIONS PLAN

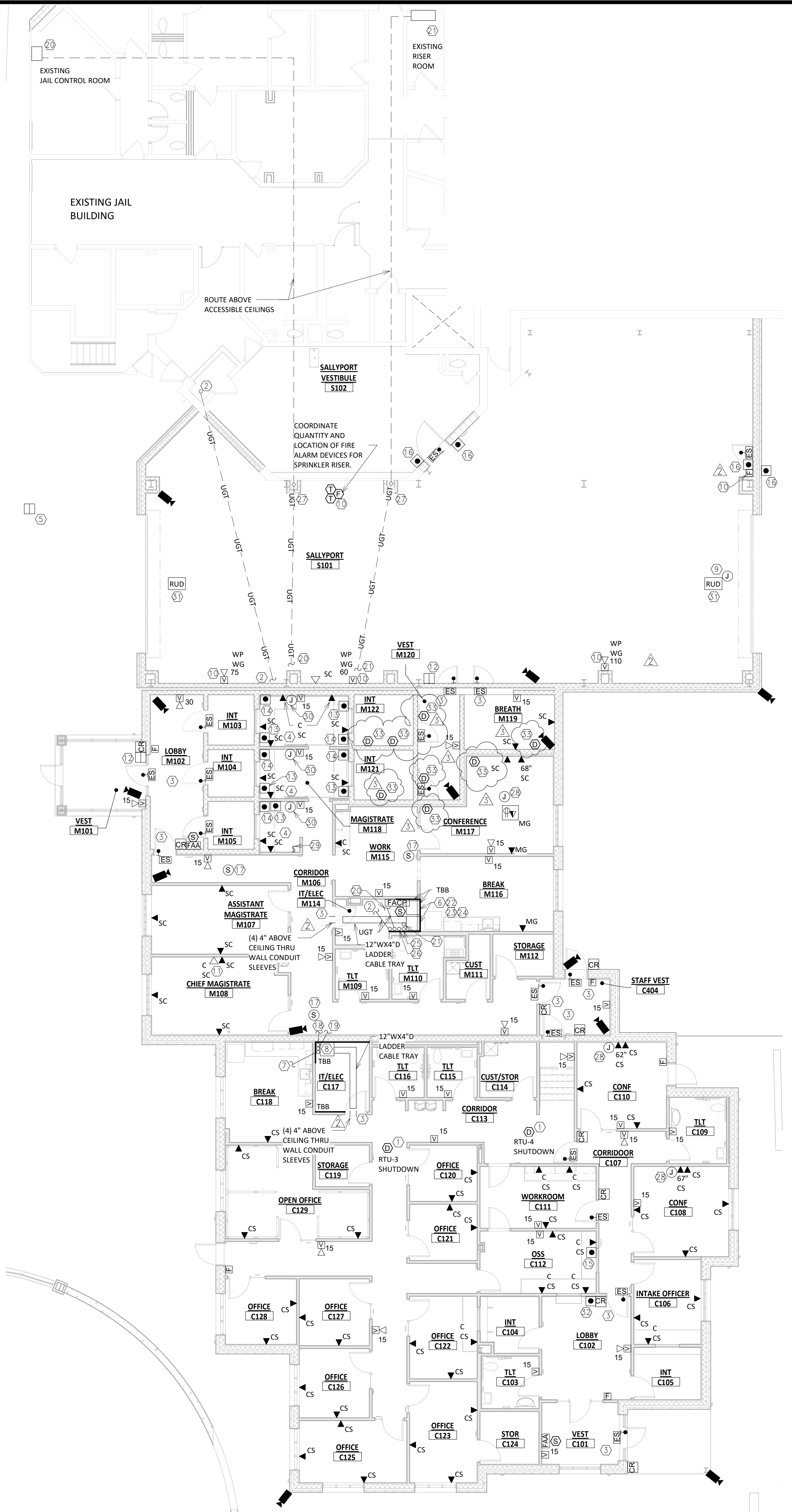
Table with 3 columns: No., Date, and Purpose of Document Issue. Row 1: 1, 12/11/2023, ADDENDUM NO. 5.

Table with 2 columns: Field and Value. Fields: Designed (TKR), Drawn (TKR), Checked (RMA), Date (10/11/2023).

Project No. 16910



Sheet No. E301



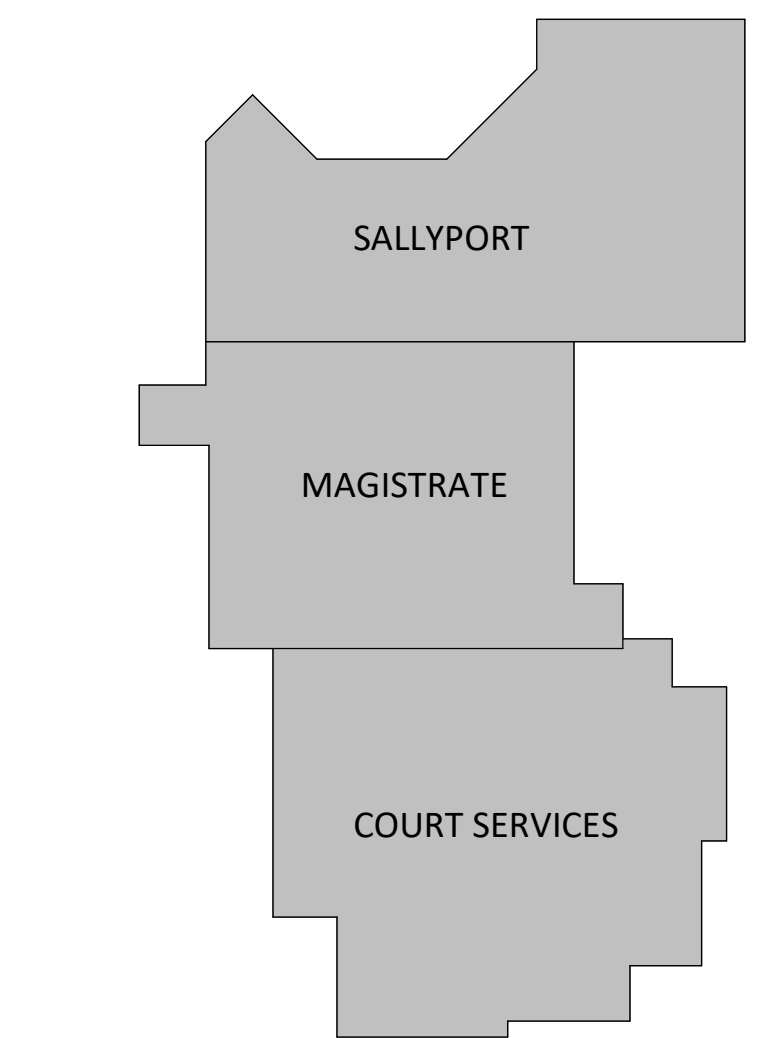
COMMUNICATION PLAN 1/8" = 1'-0" PLAN NORTH

SHEET KEYED NOTES:

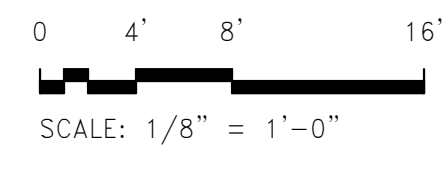
- 1. PROVIDE A DUCT SMOKE DETECTOR IN THE RETURN AND SUPPLY DUCT SERVING THIS AREA FOR HVAC UNIT SHUTDOWN.
2. PROVIDE SPARE 4" C WITH PULL CORD UNDERGROUND FROM IT/ELEC M114 TO EXISTING BUILDING, STUB-UP AND CAP FOR FUTURE EXPANSIONS.
...
33. PROVIDE DUCT SMOKE DETECTOR WITHIN SMOKE DAMPER IN LOCATION INDICATED. SEE MECHANICAL DRAWINGS ON SHEET M101 FOR ACTUAL LOCATION.

GENERAL SHEET NOTES:

- 1. FLOOR BOXES SHOWN ON BOTH POWER AND COMMUNICATION SHEETS IN SAME LOCATIONS ARE THE SAME SINGLE FLOOR BOX WITH REQUIRED DIVIDERS.
2. SECURED NETWORK THROUGH SUPREME COURT SHALL BE SEPARATED FROM REGULAR NETWORK IN MAGISTRATE AND COURT SERVICE AREAS.
...
5. SEE LEGEND FOR DEVICE DEFINITION FOR CONDUIT AND BOX SIZE.



KEY PLAN





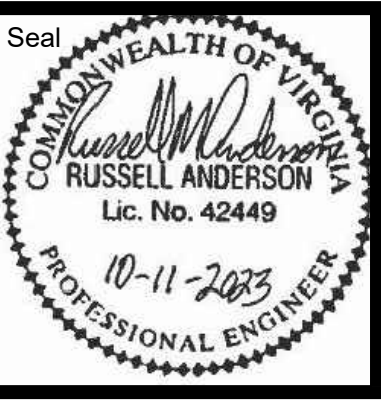


Table with columns for Date (11/27/2023), Addendum No. (4, 5), and No. (1, 3).

Table with columns for Designed (TKR), Drawn (TKR), Checked (RMA), and Date (10/11/2023).

Project No. 16910



Sheet No.

E602

MAGISTRATE - IT/ELEC M114 PANEL A1. Electrical schedule table with columns for Description, Connected Load (KVA), Wire Size, Trip, and Circuit Breaker. Includes sub-totals and a total panel load summary.

MAGISTRATE - IT/ELEC M114 PANEL OSB1. Electrical schedule table with columns for Description, Connected Load (KVA), Wire Size, Trip, and Circuit Breaker. Includes sub-totals and a total panel load summary.

MAGISTRATE - IT/ELEC M114 PANEL LSA1. Electrical schedule table with columns for Description, Connected Load (KVA), Wire Size, Trip, and Circuit Breaker. Includes sub-totals and a total panel load summary.

COURT SERVICES - IT/ELEC C117 PANEL A2. Electrical schedule table with columns for Description, Connected Load (KVA), Wire Size, Trip, and Circuit Breaker. Includes sub-totals and a total panel load summary.

MAGISTRATE - IT/ELEC M114 PANEL OSA1. Electrical schedule table with columns for Description, Connected Load (KVA), Wire Size, Trip, and Circuit Breaker. Includes sub-totals and a total panel load summary.

COURT SERVICES - IT/ELEC C117 PANEL LSA2. Electrical schedule table with columns for Description, Connected Load (KVA), Wire Size, Trip, and Circuit Breaker. Includes sub-totals and a total panel load summary.