









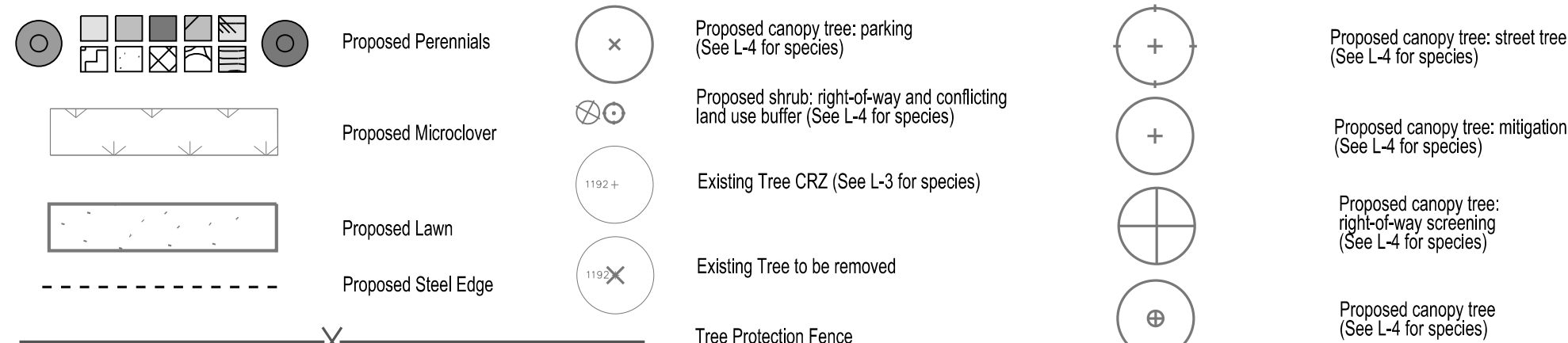


ANN ARBOR FIRE DEPARTMENT

4



LEGEND



See survey sheet (S-1) for any items not listed in the legend.

SITE A:  
lawn  
and/or  
wall

9 Plug and Perennial Planting

L.07

3 Plug and Perennial Planting in Rain Garden/Detention Basin

7 Rain Garden/Detention Basin Section

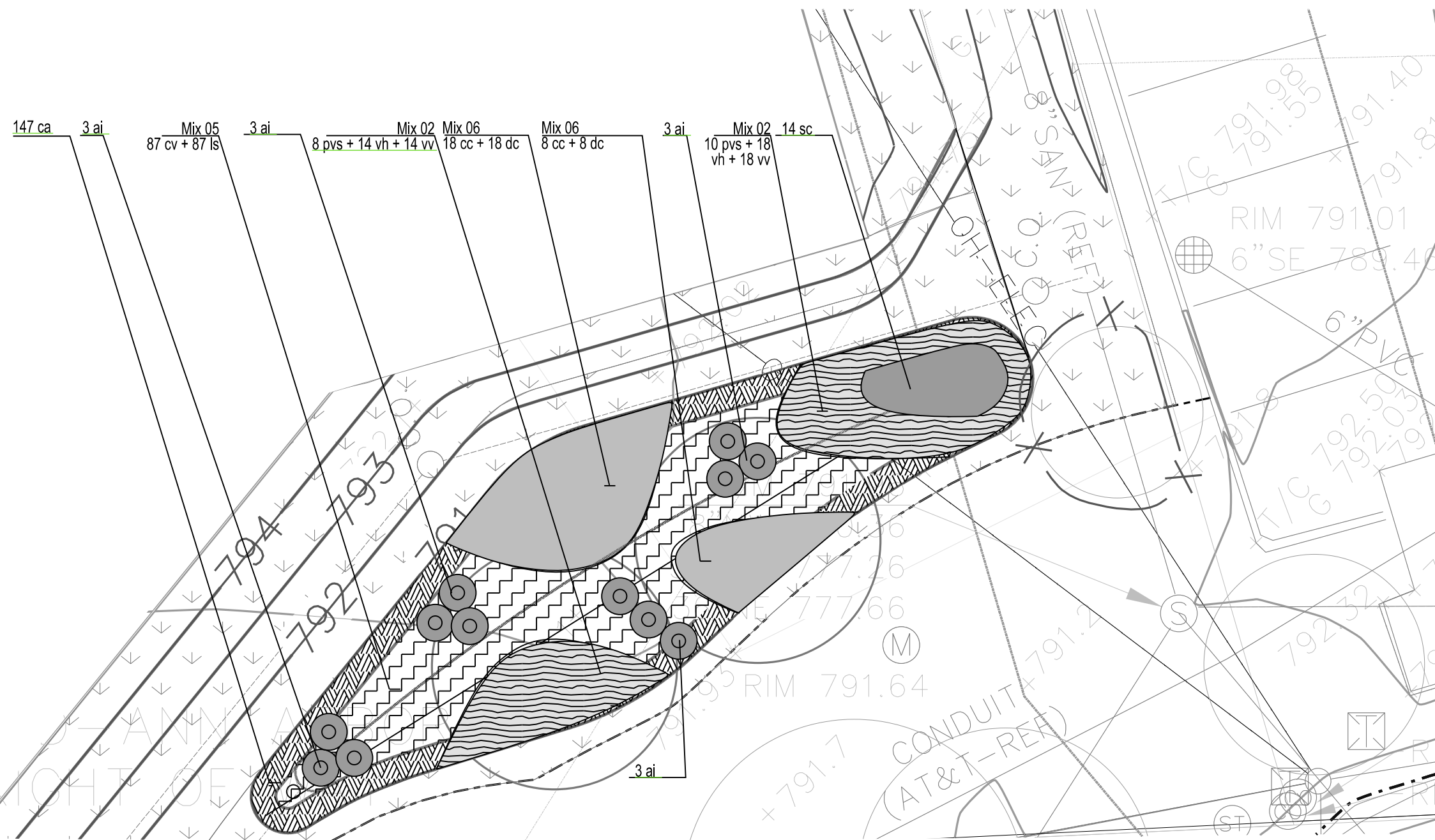
LANDSCAPE NOTES

- Refer to sheet L-4 for size and species of proposed trees.
- All compacted soils in landscaped areas shall be tilled to a minimum 2-inch depth before placement of planting media.
- Water outlets will be provided within 150-feet of all required plantings except those in detention basin one (L.06).
- All proposed plantings that exceed a mature height greater than 6-inches shall be planted a minimum of 5 feet from fire hydrants.
- All proposed trees shall be planted a minimum of 15 feet from fire hydrants.
- Developer reserves the right to shift tree planting locations if water main connection is installed to the south.
- Refer to 32.92.00 - FINE GRADING LAWN SEEDING specification for soil specifications.
- All vegetation species deviation from the approved site plan must be approved ahead of time in writing by the City of Ann Arbor.
- The City of Ann Arbor has adopted an ordinance limiting phosphorus in fertilizer. Applications of fertilizer beyond the initial topsoil and seeding shall be a fertilizer with no phosphorus.
- At the time of plant and seed delivery for rain gardens, a WCWRC landscape reviewer must be present. The quantity and species delivered will be reviewed on site. Contact Catie Wytychak at wytychako@ewashtenaw.org or 734.222.6813 to coordinate.
- Water is only available from connection to existing fire hydrants through the City of Ann Arbor. Contractor must provide all necessary connections, hoses, and backflow prevention devices as required by local codes and ordinances. All water use shall be metered through the City of Ann Arbor. Coordination with City Fire Department as necessary.

LANDSCAPE MAINTENANCE PROGRAM

- All diseased, damaged, or dead material shown on the Landscape Plan as proposed plantings shall be replaced by the end of the following planting season as a continuing obligation for the duration of the site plan.
- Snow cannot be pushed into interior landscape islands unless they are designated on the Landscape Plan for snow storage.
- No chemicals are allowed in the stormwater features or buffer zones with the following exception: invasive species may be treated with chemicals by a certified applicator.

LANDSCAPE PLAN  
SHOWING RAINGARDENS  
AND PLANTINGS



Plant Schedule - Firestation Building Area

Perennials and Bulbs (Not included in mixes)

| Key | Qty | Botanical Name                       | Common Name                   | Spacing  | Size     | Comments |
|-----|-----|--------------------------------------|-------------------------------|----------|----------|----------|
| ai  | 32  | Asclepias incarnata                  | Swamp Milkweed                | 36" o.c. | #1 cont. |          |
| am  | 97  | Achillea millefolium 'Oertel's Rose' | Oertel's Rose Yarrow          | 18" o.c. | #1 cont. |          |
| ao  | 13  | Aster oblongifolius 'October Skies'  | October Skies' Aromatic Aster | 24" o.c. | #1 cont. |          |
| ca  | 147 | Carex albicans                       | Whitening Sedge               | 12" o.c. | plug     |          |
| er  | 21  | Eupatorium rugosum 'Chocolate'       | Chocolate Joe-Pye             | 24" o.c. | #1 cont. |          |
| fv  | 62  | Fragaria virginiana                  | Wild Strawberry               | 24" o.c. | plug     |          |
| sc  | 14  | Scirpus cyperinus                    | Woolgrass                     | 24" o.c. | plug     |          |

Mix 01

| Key | Qty | Botanical Name                   | Common Name                | Spacing  | Size     | Comments                     |
|-----|-----|----------------------------------|----------------------------|----------|----------|------------------------------|
| mc  | 82  | Molinia caerulea 'Poul Petersen' | Moor Grass 'Poul Petersen' | 24" o.c. | #1 cont. |                              |
| sp  | 82  | Silphium terebinthinaceum        | Prairie Dock               | 24" o.c. | plug     | Overall bed spacing 24" o.c. |

Mix 02

| Key | Qty | Botanical Name                | Common Name   | Spacing  | Size     | Comments                         |
|-----|-----|-------------------------------|---------------|----------|----------|----------------------------------|
| pvs | 64  | Panicum virgatum 'Shenandoah' | Switchgrass   | 24" o.c. | #1 cont. |                                  |
| vh  | 114 | Verbena hastata               | Blue Vervain  | 18" o.c. | plug     | See L.07-8 for detail on spacing |
| vv  | 109 | Veronicastrum virginicum      | Culver's Root | 18" o.c. | plug     |                                  |

Mix 03

| Key | Qty | Botanical Name         | Common Name        | Spacing  | Size | Comments                         |
|-----|-----|------------------------|--------------------|----------|------|----------------------------------|
| ac  | 303 | Allium cernuum         | Nodding Wild Onion | 12" o.c. | plug |                                  |
| sh  | 62  | Sporobolus heterolepis | Prairie Dropseed   | 24" o.c. | plug | See L.07-8 for detail on spacing |

Mix 04

| Key | Qty | Botanical Name      | Common Name        | Spacing  | Size | Comments                         |
|-----|-----|---------------------|--------------------|----------|------|----------------------------------|
| fv  | 12  | Fragaria virginiana | Wild Strawberry    | 30" o.c. | plug |                                  |
| lsi | 33  | Lobelia siphilitica | Great Blue Lobelia | 18" o.c. | plug | See L.07-8 for detail on spacing |

Mix 05

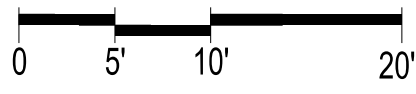
| Key | Qty | Botanical Name    | Common Name        | Spacing  | Size | Comments                     |
|-----|-----|-------------------|--------------------|----------|------|------------------------------|
| cv  | 87  | Carex vulpinoidea | Fox Sedge          | 18" o.c. | plug |                              |
| ls  | 87  | Liatris spicata   | Dense Blazing Star | 18" o.c. | plug | Overall bed spacing 18" o.c. |

Mix 06

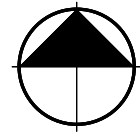
| Key | Qty | Botanical Name                  | Common Name                | Spacing  | Size     | Comments                     |
|-----|-----|---------------------------------|----------------------------|----------|----------|------------------------------|
| dc  | 129 | Conoclinium coelestinum         | Blue Mistflower            | 24" o.c. | plug     |                              |
| dc  | 129 | Deschampsia cespitosa 'Goldtau' | Golden Tullgrass 'Goldtau' | 24" o.c. | #1 cont. | Overall bed spacing 24" o.c. |

Mix 07

| Key | Qty | Botanical Name                   | Common Name          | Spacing  | Size     | Comments                     |
|-----|-----|----------------------------------|----------------------|----------|----------|------------------------------|
| af  | 16  | Agastache 'Blue Fortune'         | Giant Hyssop         | 18" o.c. | #1 cont. |                              |
| pd  | 16  | Penstemon digitalis 'Husker Red' | Husker Red Penstemon | 18" o.c. | #1 cont. | Overall bed spacing 18" o.c. |

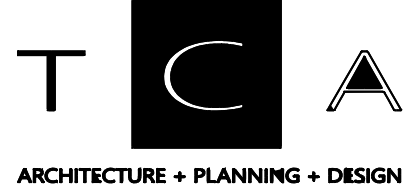


Scale: 1" = 10'-0"



BEFORE YOU DIG  
CALL MISS DIG  
800-482-7171  
or call your local utility locator

CONTRACTOR is responsible to field verify location of all underground utilities prior to any work.



INSITE  
InSite Design Studio, Inc.

412 Longshore Drive  
Ann Arbor, Michigan 48105

Phone: 734.985.4194  
Fax: 734.688.2323



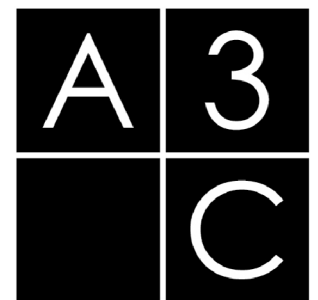
PROJECT  
NUMBER 21018

| ISSUE                  | DATE     |
|------------------------|----------|
| PERMIT                 | 04/04/25 |
| BIDS/PERMITS           | 10.11.24 |
| Final Site Plan        | 9.08.23  |
| BIDS/PERMITS           | 8.04.23  |
| Site Plan Resubmission | 11.09.22 |
| Site Plan Approval     | 09.22.22 |

DRN: JLS CHKD: DFB

Ann Arbor Fire Station 4

Landscape Plan: Fire Station Area



115 1/2 E. LIBERTY STREET  
ANN ARBOR, MI 48104

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SHEET

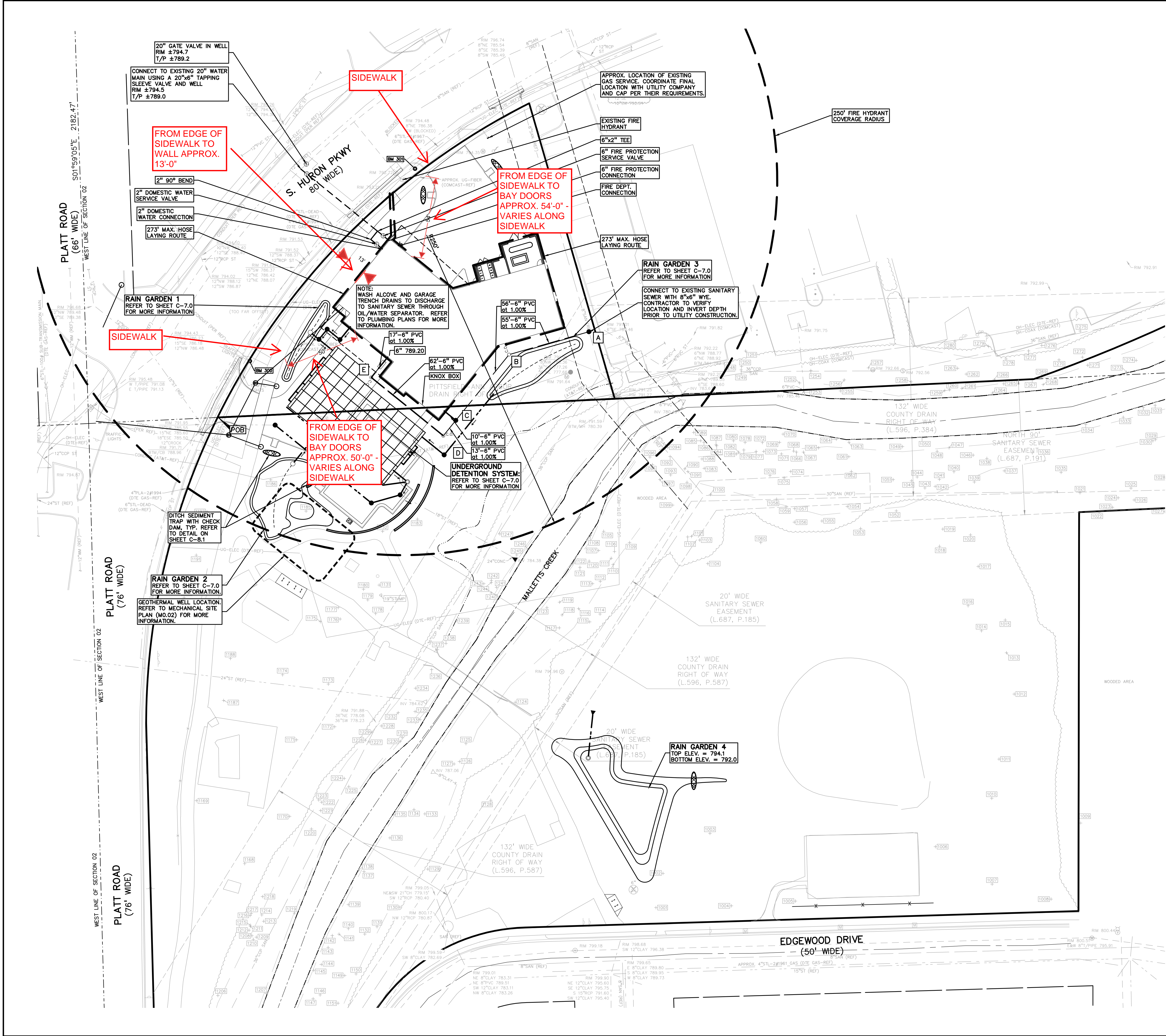
L.05

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**LEGAL DESCRIPTION**  
(Per City of Ann Arbor Assessing)  
PARCEL ID 09-12-02-209-017  
Land in the City of Ann Arbor, Washtenaw County, Michigan,  
described as follows:  
COM W 1/4 COR TH N 88 DEG 50 MIN E 86.28 FT FOR POB TH  
NELLY 300 FT ALG ARC NON-TANGENT CIR CURVE CONCAVE SE  
R=463.03 FT CHORD N 46 DEG 17 MIN 40 SEC E 294.78 FT TH S  
14 DEG 37 MIN 30 SEC E 204.93 FT TH S 88 DEG 50 MIN W  
264.91 FT TO POB PRT NW 1/4 SEC 2 T3S R6E

**BENCHMARKS**  
(GPS DERIVED - NAVD88)  
BM #300  
BOLT ON THE SOUTH SIDE OF A SIGNAL POLE LOCATED ON THE  
EAST SIDE OF S. HURON PKWY AT THE INTERSECTION OF PLATT  
ROAD & S. HURON PKWY.  
ELEV. - 793.38  
BM #301  
BOLT ON THE SOUTH SIDE OF A LIGHT POLE LOCATED ON THE  
SOUTH SIDE OF S. HURON PKWY, IN FRONT OF THE ANN ARBOR  
FIRE STATION #4.  
ELEV. - 794.11

**FLOODPLAIN NOTE:**  
BY GRAPHICAL PLOTTING, SITE IS WITHIN SEVERAL FLOOD ZONES  
PER FLOOD INSURANCE RATE MAP NUMBER 26161C0264E DATED  
APRIL 3, 2012. SEE SHEET P-1.0, TOPOGRAPHICAL SURVEY FOR  
MORE DETAILED INFORMATION.

**UTILITY NOTES**  
SEE SHEET C-7.0 FOR STORM SEWER STRUCTURE INFORMATION.

| SANITARY STRUCTURES |  |
|---------------------|--|
| A                   | MH (4' DIA.)<br>RIM = 791.52<br>6" S 781.00<br>6" W 785.67<br>8" N 781.00    |
| C                   | MH (4' DIA.)<br>RIM = 792.33<br>6" SW 788.28<br>6" NW 789.69<br>6" NE 786.78 |

| SANITARY CLEANOUTS |  |
|--------------------|--|
| B                  | C.O. IN BOX<br>RIM = 792.25<br>INV. 786.22 |
| D                  | C.O. IN BOX<br>RIM = 793.07<br>INV. 788.41 |
| E                  | C.O. IN BOX<br>RIM = 794.73<br>INV. 789.03 |

**DEVELOPMENT SEWAGE FLOW OFFSET MITIGATION PROGRAM.**  
**10 FIRE STATION EMPLOYEES**  
• 10 EMPLOYEES x 75 GPD / CAPITA = 750 GPD  
(TABLE A: UNIVERSITY HOUSING, BOARDING HOUSE, OR APARTMENT UNIT HOUSING MORE THAN FOUR PEOPLE)  
• PEAK FLOW = 750 GPD x 4 (PEAKING FACTOR) x 1.1 (SYSTEM RECOVERY FACTOR) = 3,300 GPD  
• 3,300 GPD x 1 DAY/24 HRS x 1 HR/60 MIN = 2.3 GPM PEAK FLOW  
• PER THE CITY OF ANN ARBOR "SANITARY FLOW OFFSET MITIGATION FOR DEVELOPMENT" (2/12/2019)  
EXISTING AND PROPOSED POPULATION WILL BE THE SAME. EXISTING AND PROPOSED BUILDINGS INCLUDE WASH ALCOVE AND GARAGE AREA TRENCH DRAINS. THEREFORE, THE PEAK FLOW WILL BE THE SAME AND NO OFFSET MITIGATION WILL BE REQUIRED.

**SANITARY SEWER BASIS OF DESIGN:**  
**PROPOSED FIRE STATION:**  
• 10 EMPLOYEES  
• 75 GPD/CAPITA  
• UNIVERSITY HOUSING, BOARDING HOUSE, OR APARTMENT UNIT HOUSING MORE THAN FOUR PEOPLE  
• AVERAGE DAILY FLOW = 75 GPD/CAPITA x 10 EMPLOYEES = 750 GPD  
• TOTAL AVERAGE DAILY FLOW = 750 GPD = 0.0011 CFS  
• POPULATION = 10 PEOPLE  
• P = 10 / 1000 = 0.01  
• PEAKING FACTOR = (18+SQRT(P))/(4+SQRT(P)) = (18+SQRT(0.01))/(4+SQRT(0.01)) = 4.41  
• PEAK HOUR FLOW = 4.41 x 750 GPD = 3,308 GPD = 0.0051 CFS  
• CAPACITY OF 8" PVC PIPE AT 0.50% = 1.11 CFS (>0.0051 CFS)

**CAUTION!!**  
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

**811** Know what's below. Call before you dig.



TCA

ARCHITECTURE + PLANNING + DESIGN

STATE OF MICHIGAN  
JOSHUA B. WYVRO  
ENGINEER  
No. 45574

PEA GROUP

t: 844.813.2949  
www.peagroup.com

NOT FOR CONSTRUCTION

PROJECT NUMBER 21018

|                      |          |  |
|----------------------|----------|--|
| ISSUE                |          |  |
| Bids/Permits         | 08.04.23 |  |
| WCWRC Resubmittal    | 01.13.23 |  |
| Site Plan Reapproval | 11.21.22 |  |
| Site Plan Approval   | 09.22.22 |  |

DRN: JW CHKD: JC

A3C

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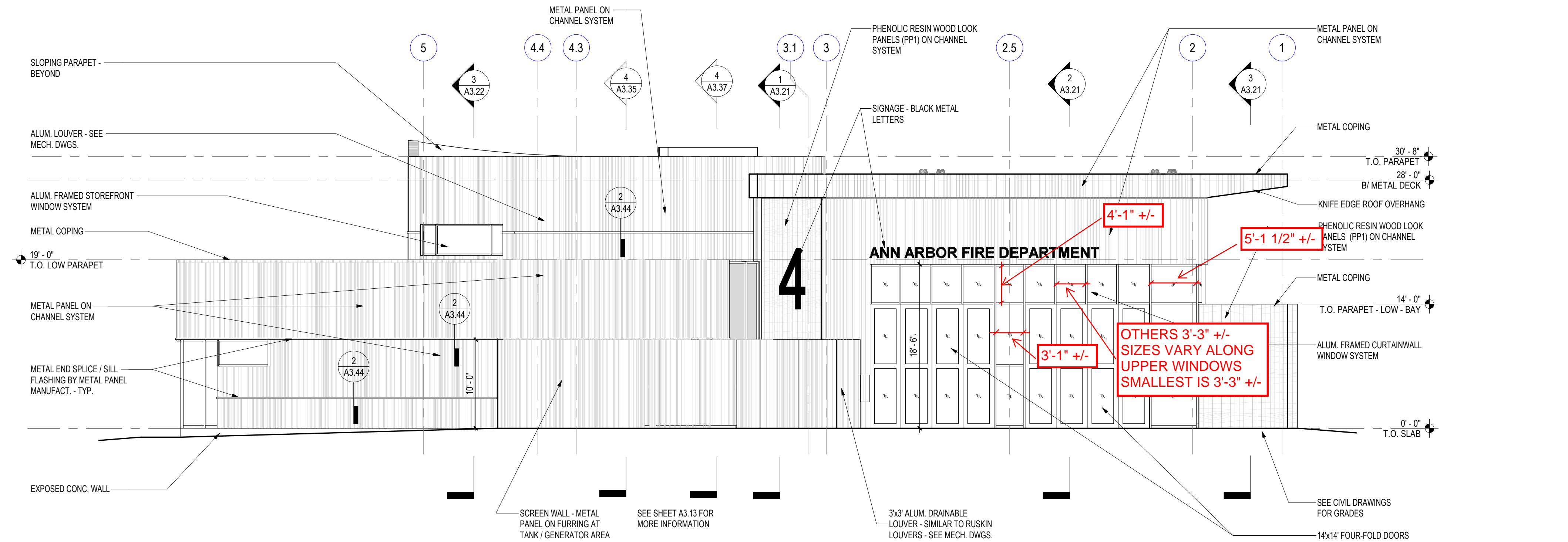
COLLABORATIVE ARCHITECTURE

UTILITY PLAN

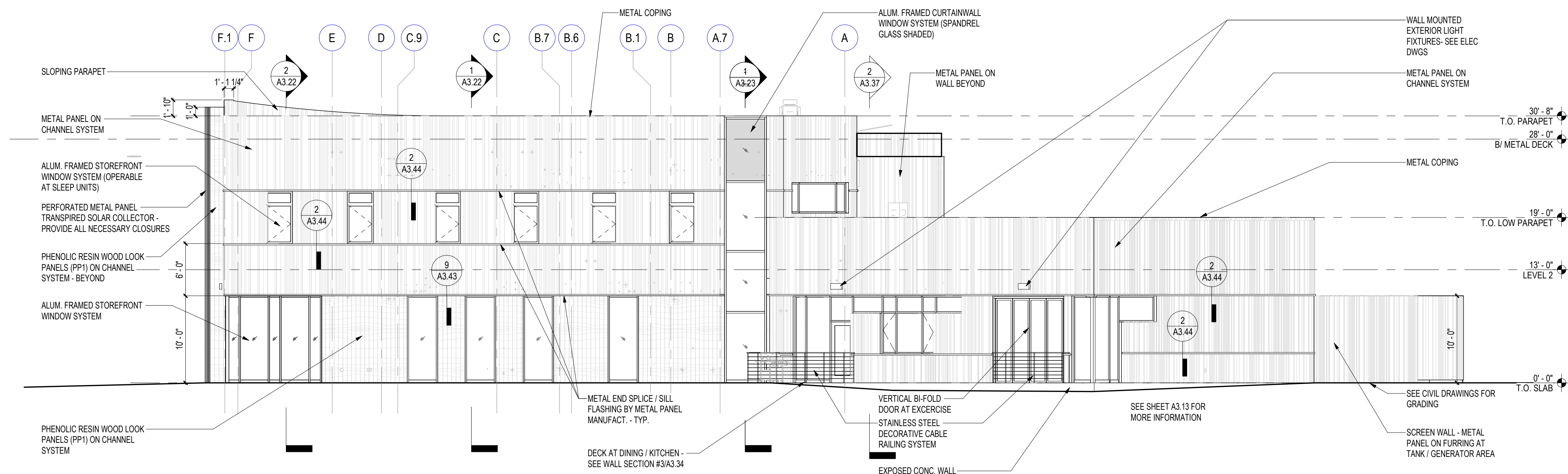
SHEET C-6.0



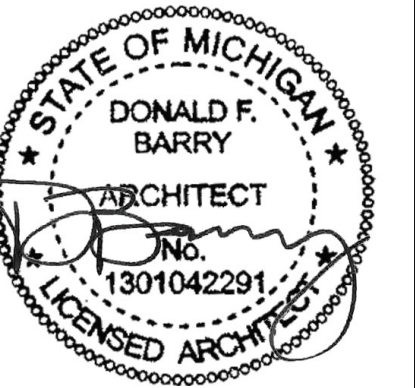
3/26/2025 3:12:38 PM



**2 NORTH ELEVATION**  
Scale: 1/8" = 1'-0"



**1 EAST ELEVATION**  
Scale: 1/8" = 1'-0"



Project Number **21018**

| Issue              | Date     |
|--------------------|----------|
| Permit             | 04/04/25 |
| Bids/Permits       | 10/11/24 |
| Bids/Permits       | 08/04/23 |
| Final Site Plan    | 09/08/23 |
| Design Development | 05/09/23 |
| Site Plan Approval | 11/22/22 |
| Site Plan Approval | 09/22/22 |

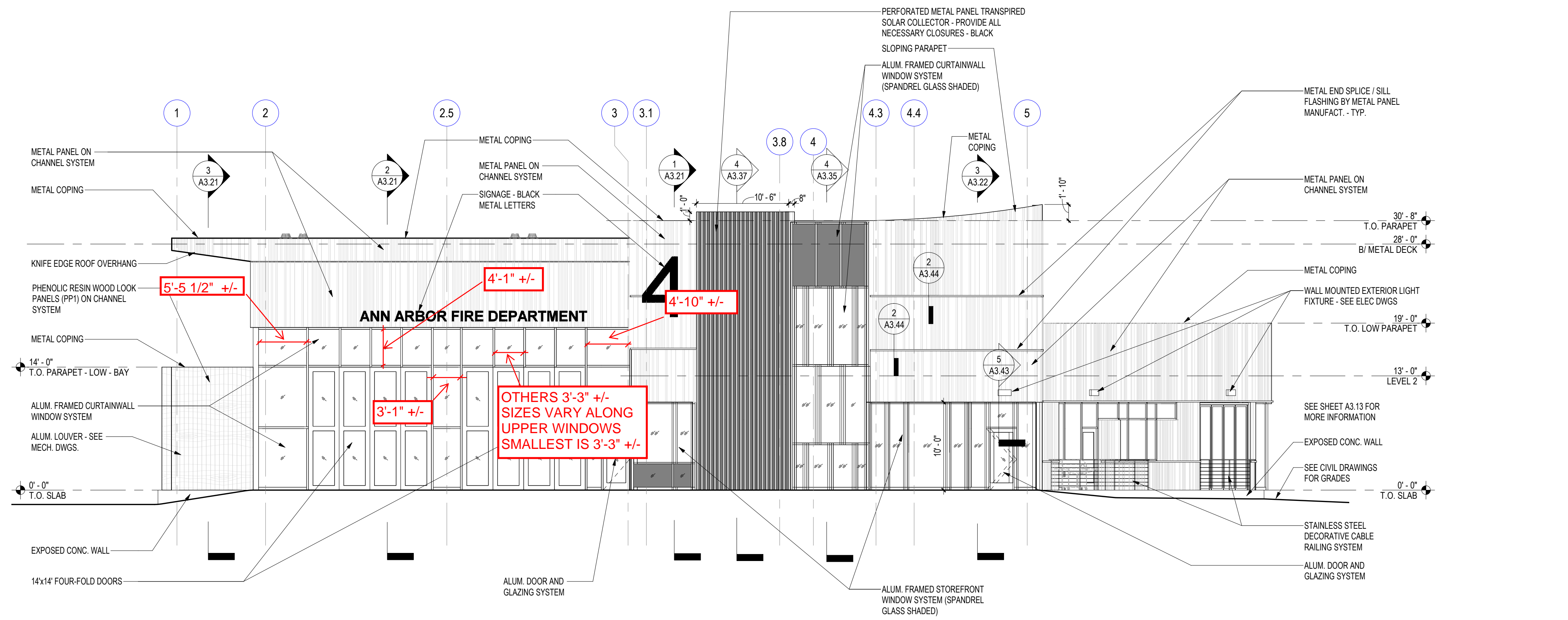
Drawn TCA/A3C Checked TCA/A3C

City of Ann Arbor  
**NEW FIRE STATION 4**  
2415 S HURON PKWY  
ANN ARBOR, MI 48104  
**EXTERIOR ELEVATIONS**



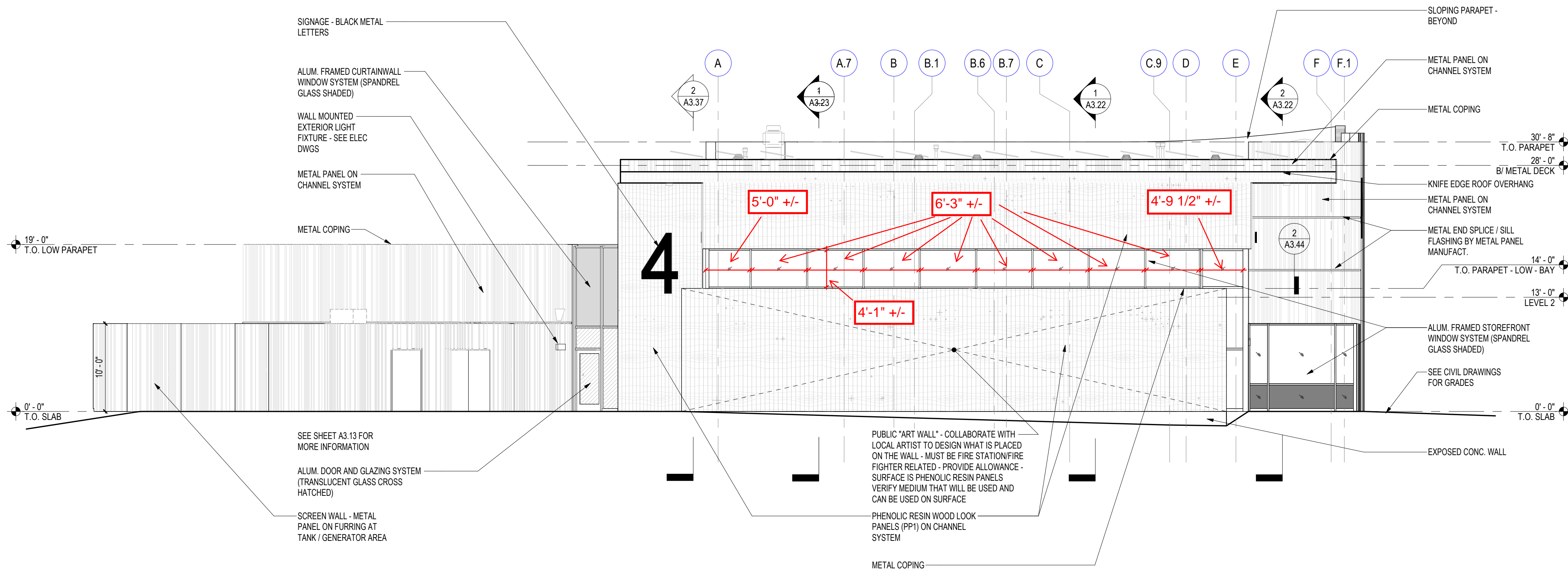
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Sheet  
**A3.11**

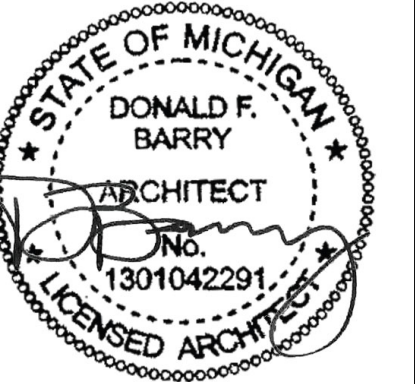


**2 SOUTH ELEVATION**  
Scale: 1/8" = 1'-0"

SIZED WINDOWS ARE APPROXIMATE MAY VARY  
BASED ON SUBMITTALS RECVD FROM WINDOW  
COMPANY



**1 WEST ELEVATION**  
Scale: 1/8" = 1'-0"

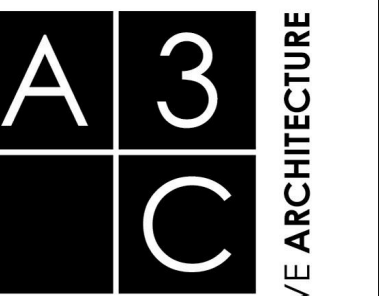


Project Number **21018**

| Issue              | Date     |
|--------------------|----------|
| Permit             | 04/04/25 |
| Bids/Permits       | 10/11/24 |
| Bids/Permits       | 08/04/23 |
| Final Site Plan    | 09/08/23 |
| Design Development | 05/08/23 |
| Site Plan Approval | 11/22/22 |
| Site Plan Approval | 09/22/22 |

Drawn TCA/A3C Checked TCA/A3C

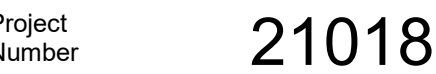
City of Ann Arbor  
**NEW FIRE STATION 4**  
2415 S HURON PKWY  
ANN ARBOR, MI 48104  
**EXTERIOR  
ELEVATIONS**



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Sheet  
**A3.12**





|                   |                 |
|-------------------|-----------------|
| ids/Permits       | 08/04/23        |
| esign Development | 05/26/23        |
| rawn TCA/A3C      | Checked TCA/A3C |

City of Ann Arbor  
NEW FIRE STATION 4  
2415 S HURON PKWY  
ANN ARBOR, MI 48104

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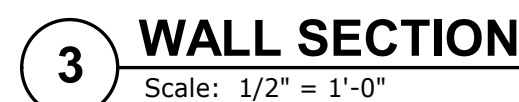
INTERIOR  
ELEVATIONS



**A4.14**







## 2 WALL SECTION

### 1 WALL SECTION

A3.32

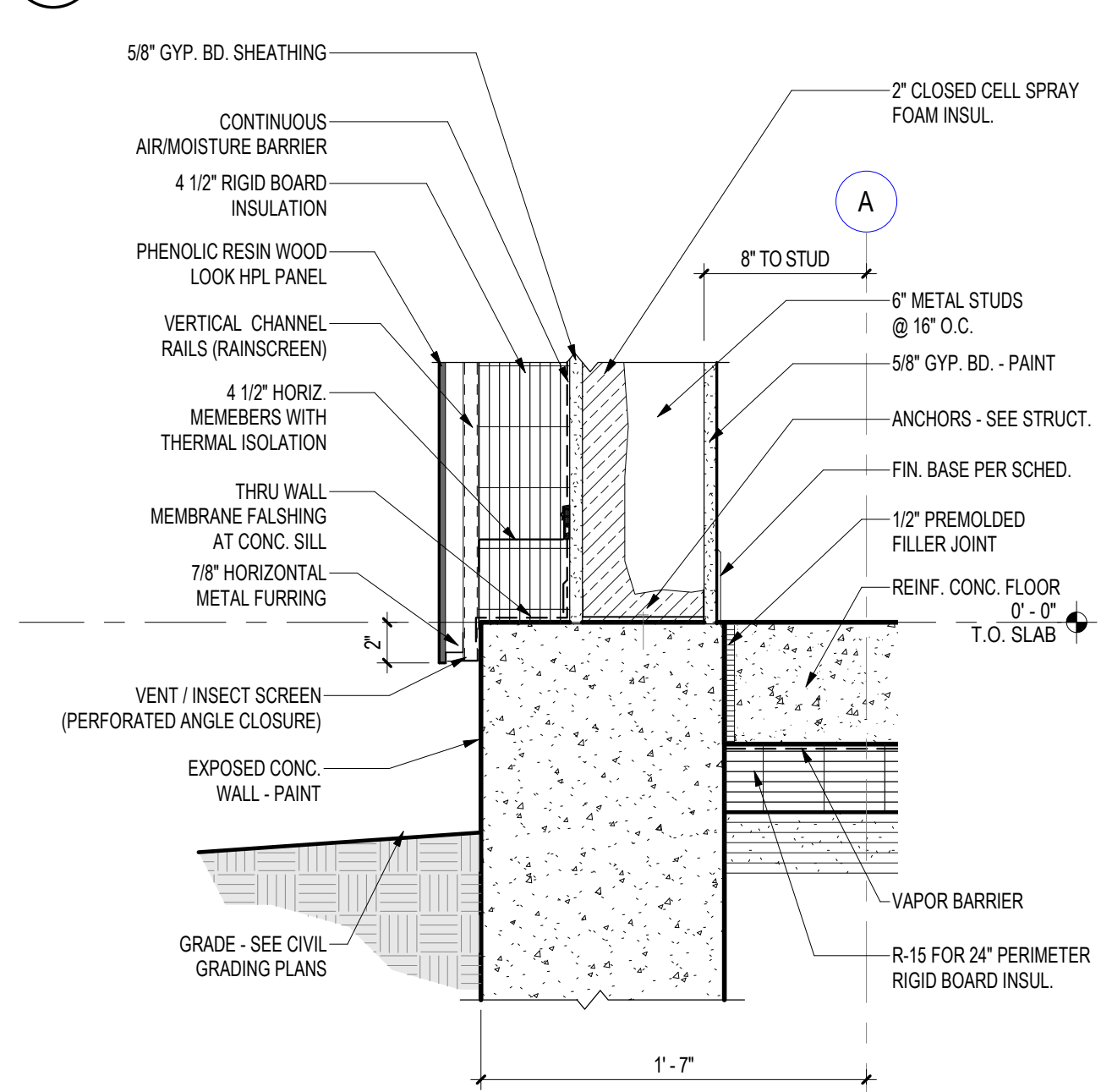
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| Issue        | Date         |
|--------------|--------------|
|              |              |
|              |              |
|              |              |
|              |              |
| Permit       | 04/04/25     |
| Addendum #1  | 11/11/24     |
| Bids/Permits | 10/11/24     |
| Bids/Permits | 08/04/23     |
| Drawn: FEA   | Checked: FEA |

#### 4 WALL SECTION DETAIL

Scale: 1 1/2" = 1'-0"

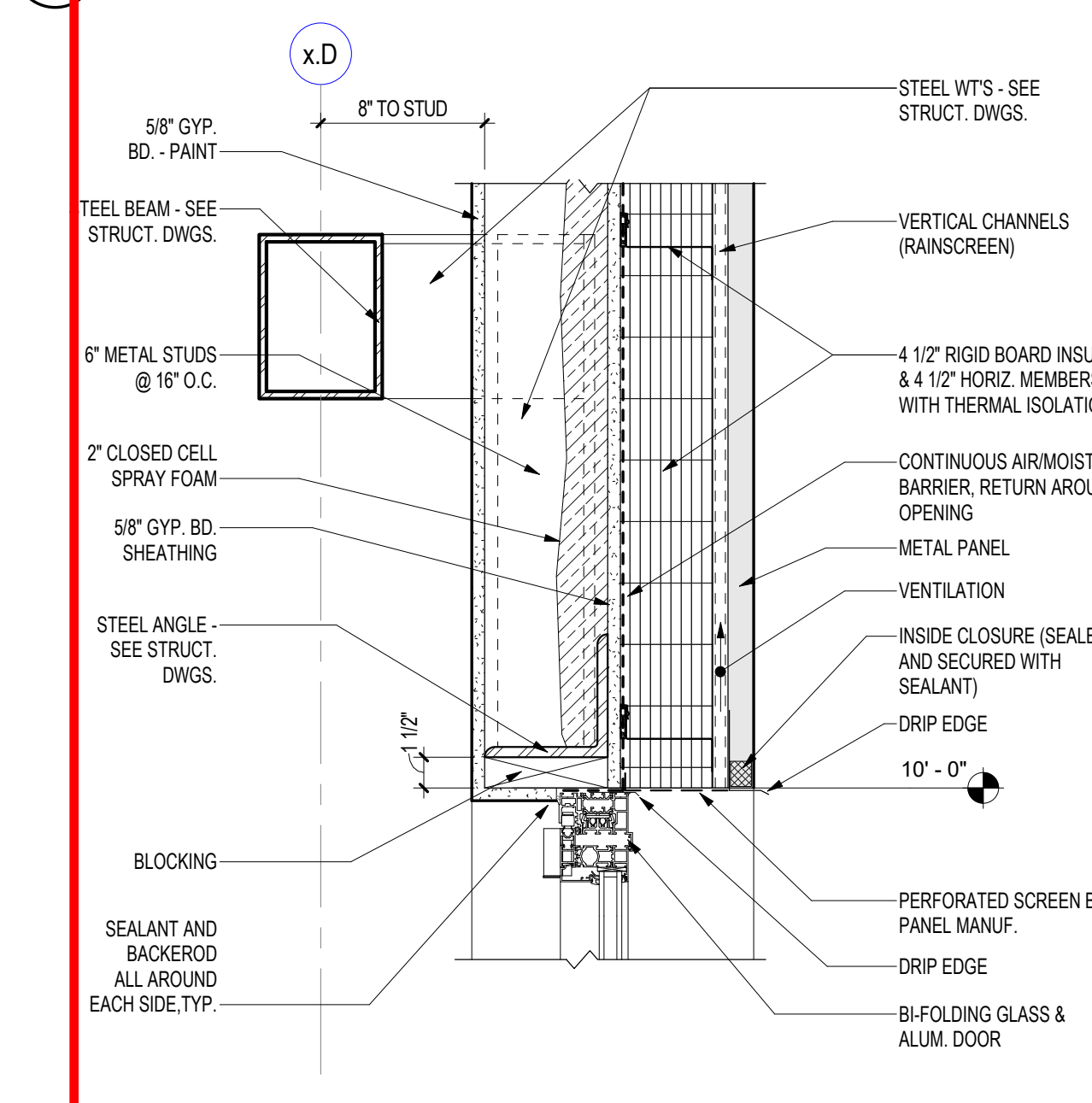


#### 1 DETAIL BASE

Scale: 1 1/2" = 1'-0"

#### 5 WALL SECTION DETAIL

Scale: 1 1/2" = 1'-0"



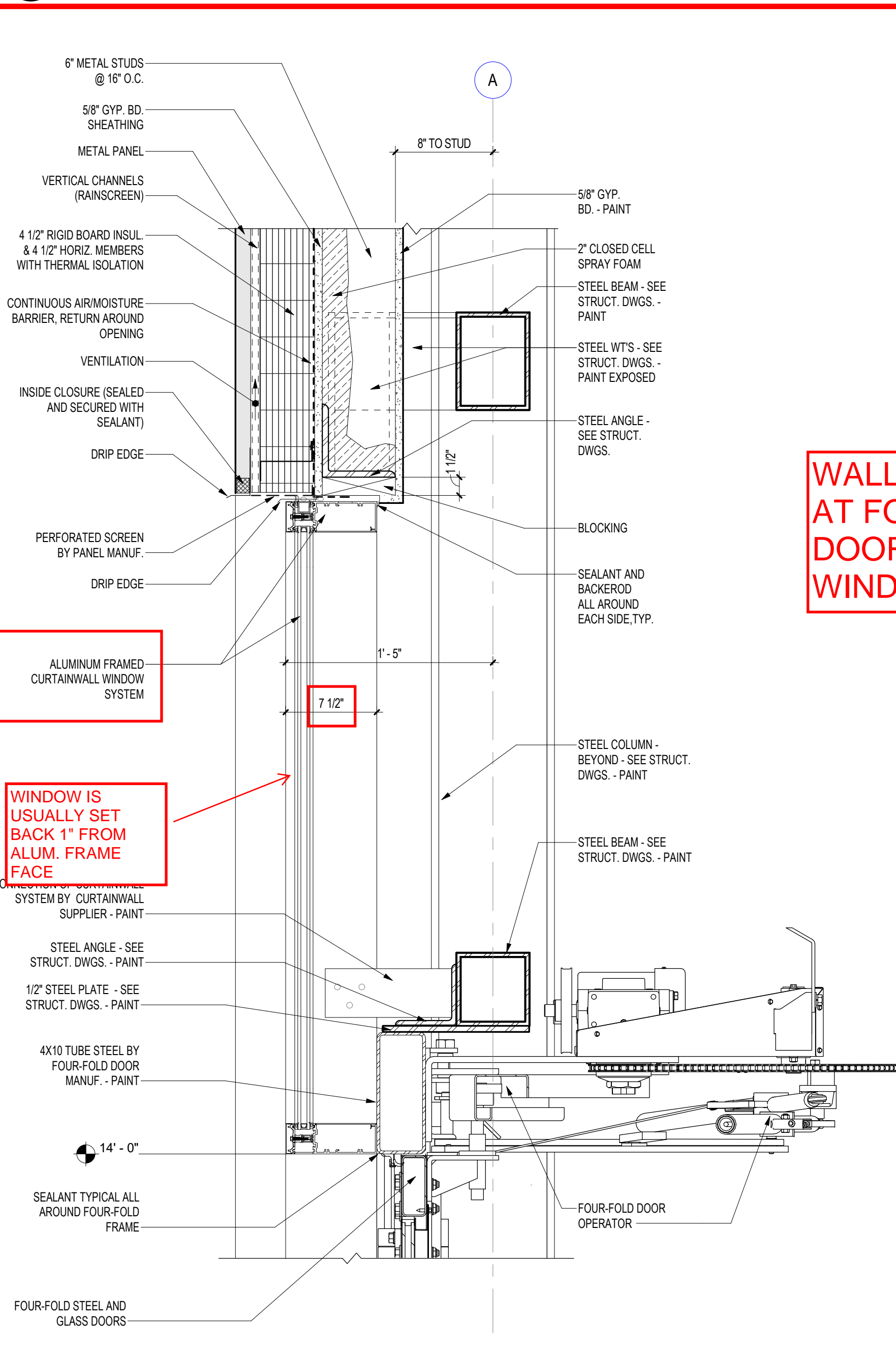
#### 2 DETAIL HEAD

Scale: 1 1/2" = 1'-0"

WALL SECTION  
AT FOLDING  
DOORS AND  
WINDOW ABOVE

#### 6 WALL SECTION DETAIL - PARAPET

Scale: 1 1/2" = 1'-0"



#### 3 DETAIL HEAD FOUR-FOLD

Scale: 1 1/2" = 1'-0"

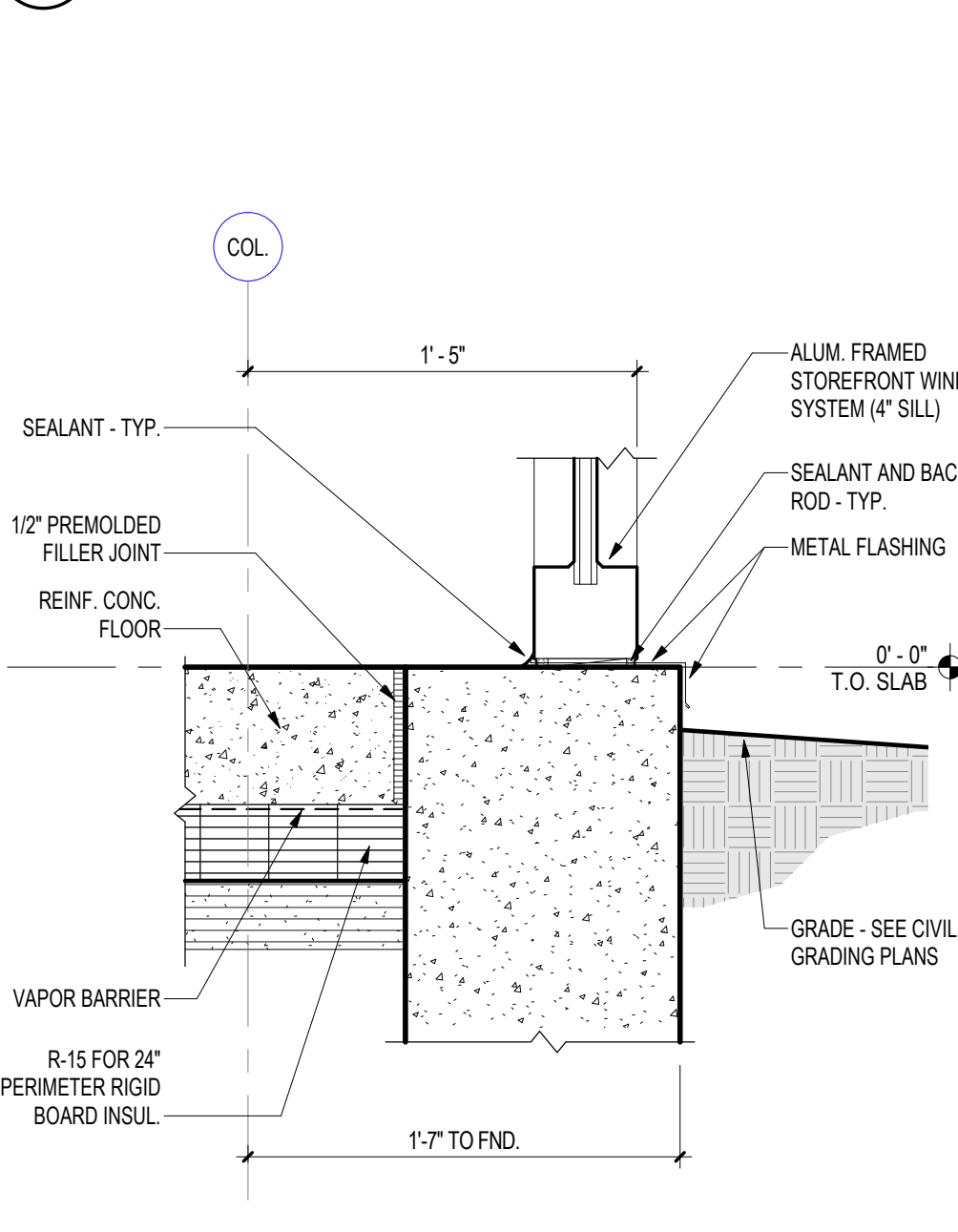
#### 9 WALL SECTION DETAIL - TRANSITION

Scale: 3" = 1'-0"



#### 8 WALL SECTION DETAIL - OVERHANG

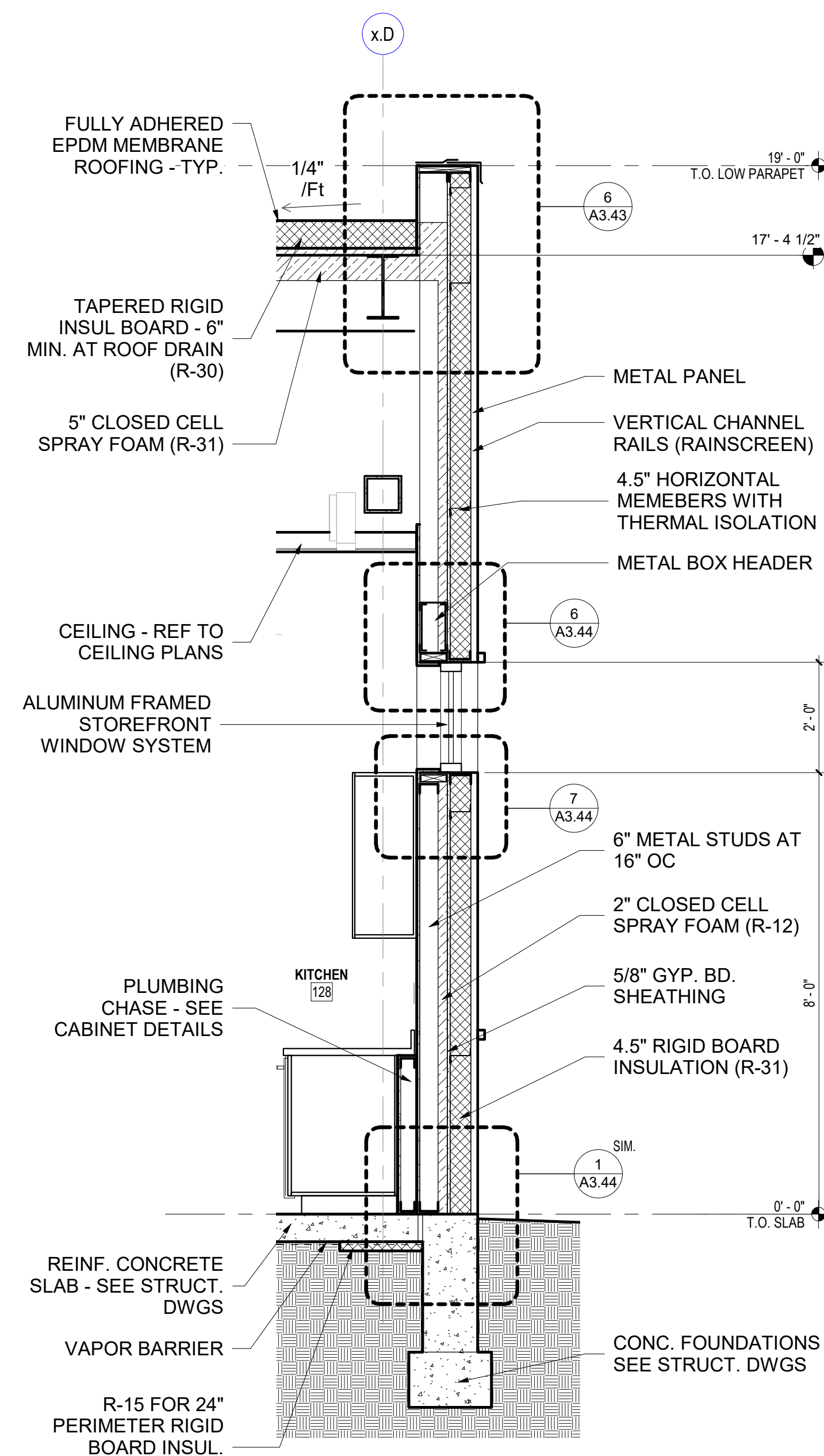
Scale: 1 1/2" = 1'-0"



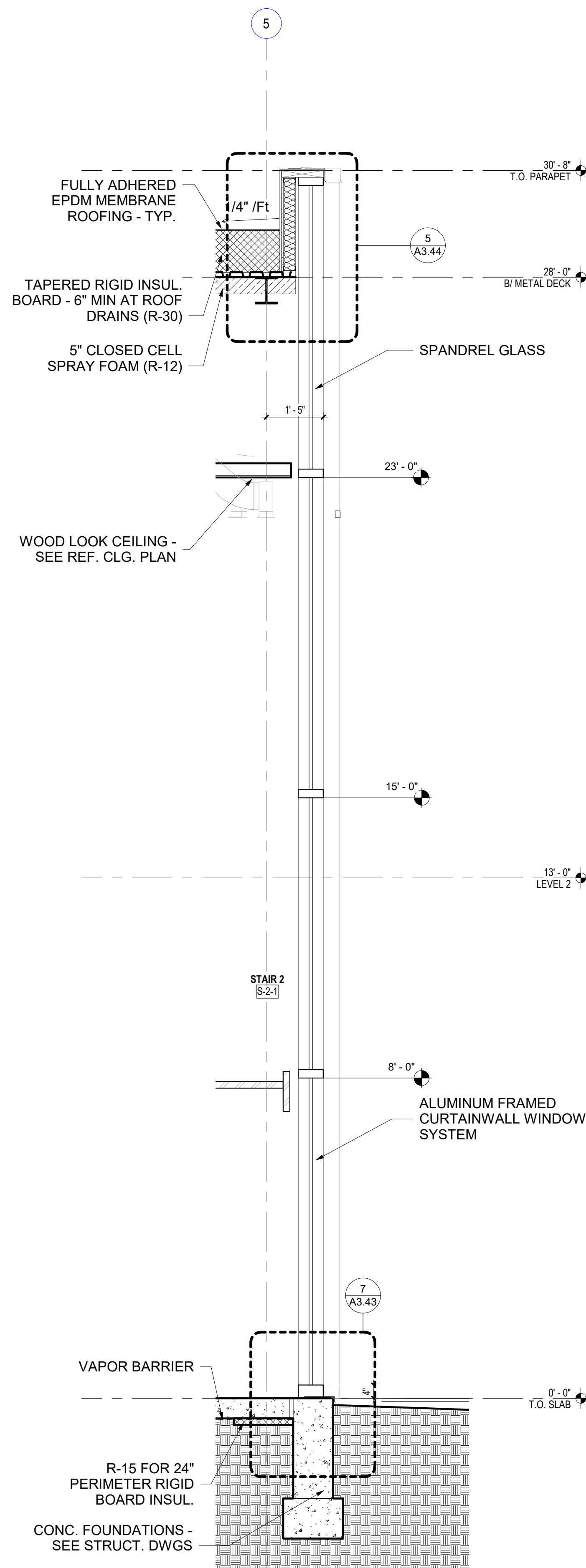
#### 7 WALL SECTION DETAIL - TYP. SILL

Scale: 1 1/2" = 1'-0"

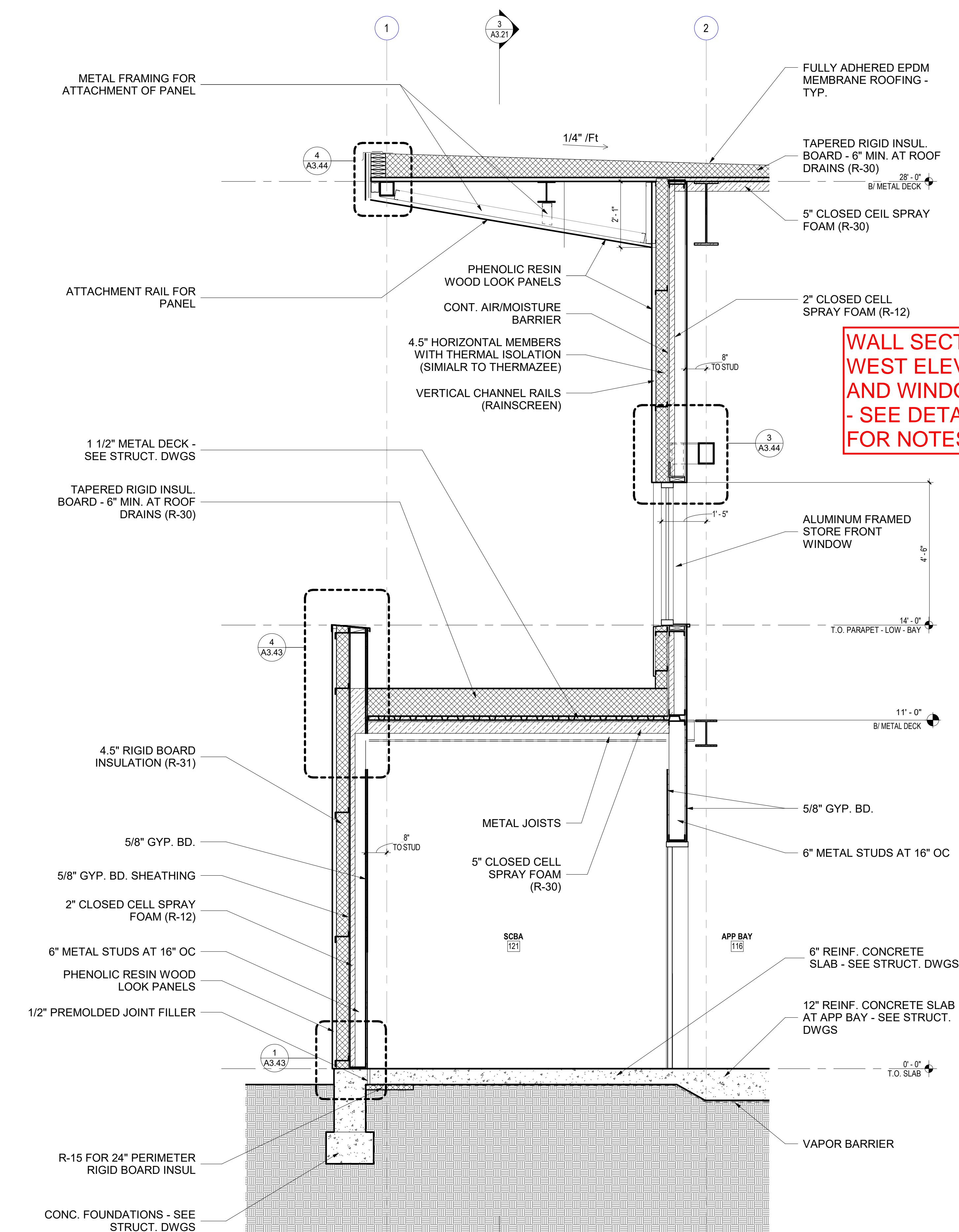




**3 WALL SECTION**  
Scale: 1/2" = 1'-0"

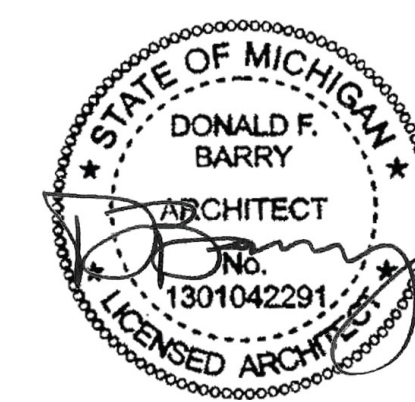


**2 WALL SECTION**  
Scale: 1/2" = 1'-0"



**1 WALL SECTION**  
Scale: 1/2" = 1'-0"  
A3.22, A3.23

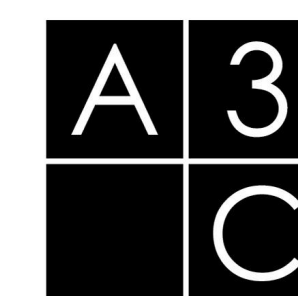
WALL SECTION AT  
WEST ELEVATION  
AND WINDOW ABOVE  
- SEE DETAIL #3/A3.44  
FOR NOTES



| <b>Project<br/>Number</b> | <b>21018</b>        |
|---------------------------|---------------------|
| <b>Issue</b>              | <b>Date</b>         |
|                           |                     |
|                           |                     |
|                           |                     |
|                           |                     |
|                           |                     |
|                           |                     |
|                           |                     |
| Permit                    | 04/04/25            |
| Bids/Permits              | 10/11/24            |
| Bids/Permits              | 08/04/23            |
| Design Development        | 05/26/23            |
| <b>Drawn:</b> K.J.        | <b>Checked:</b> FEA |

City of Ann Arbor  
NEW FIRE STATION 4  
2415 S HURON PKWY  
ANN ARBOR, MI 48104

## WALL SECTIONS



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COLLABORATIVE ARCHITECTURE

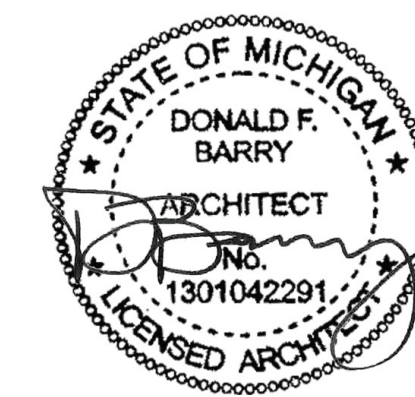
Sheep

A3.33



WALL SECTION  
AT WEST  
ELEVATION AND  
WINDOW  
ABOVE

4 1/2" WIDE  
ALUM. WINDOW  
FRAME - GLASS  
USUALLY SET  
BACK 1" FROM  
ALUM. FACE



Project Number **21018**

| Issue        | Date     |
|--------------|----------|
|              |          |
|              |          |
|              |          |
|              |          |
| Permit       | 04/04/25 |
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| Bids/Permits | 10/11/24 |
| Bids/Permits | 08/04/23 |

Drawn: FEA      Checked: FEA

City of Ann Arbor  
NEW FIRE STATION 4

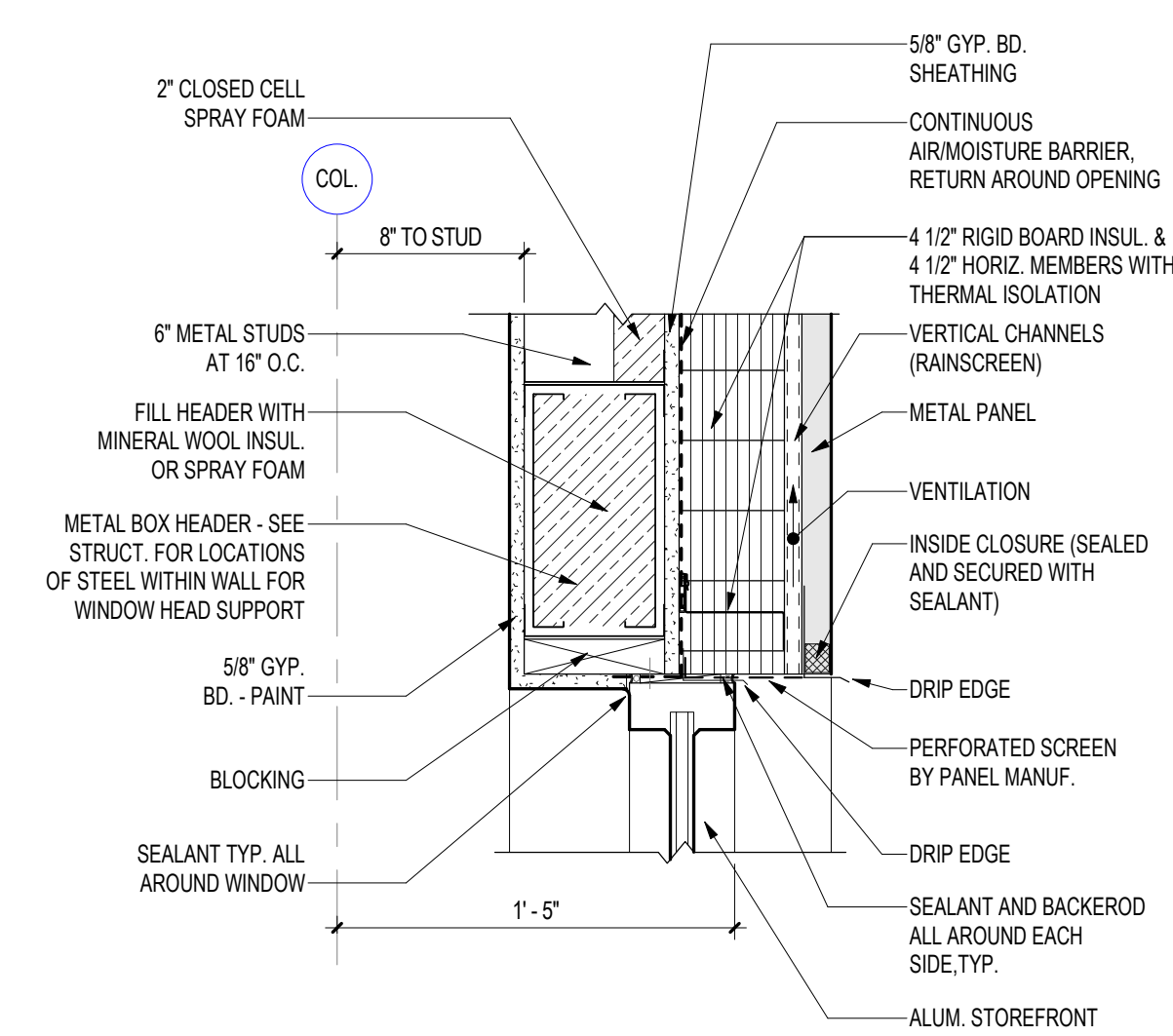
## EXTERIOR DETAILS



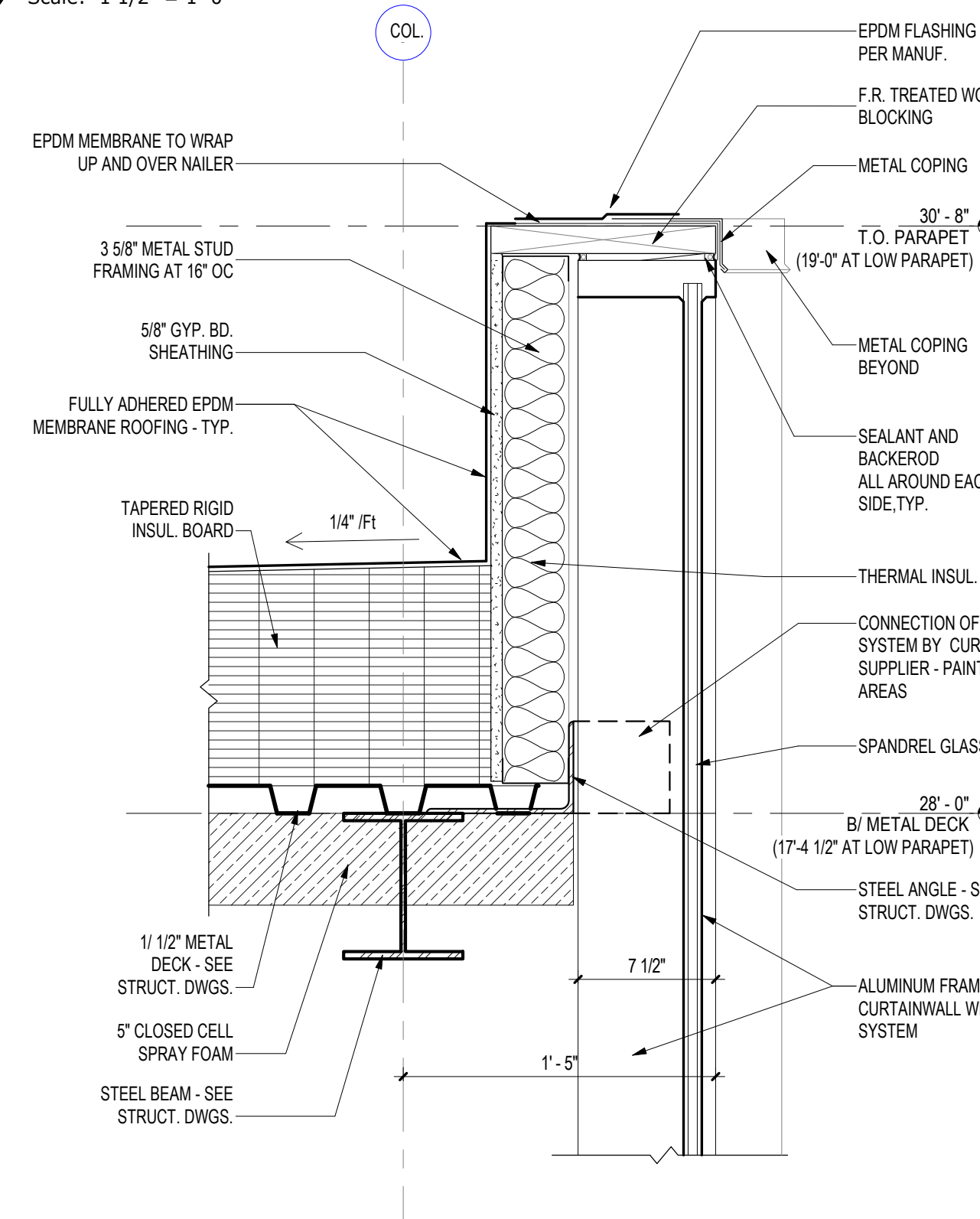
115 1/2 E. LIBERTY STREET  
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Sheet

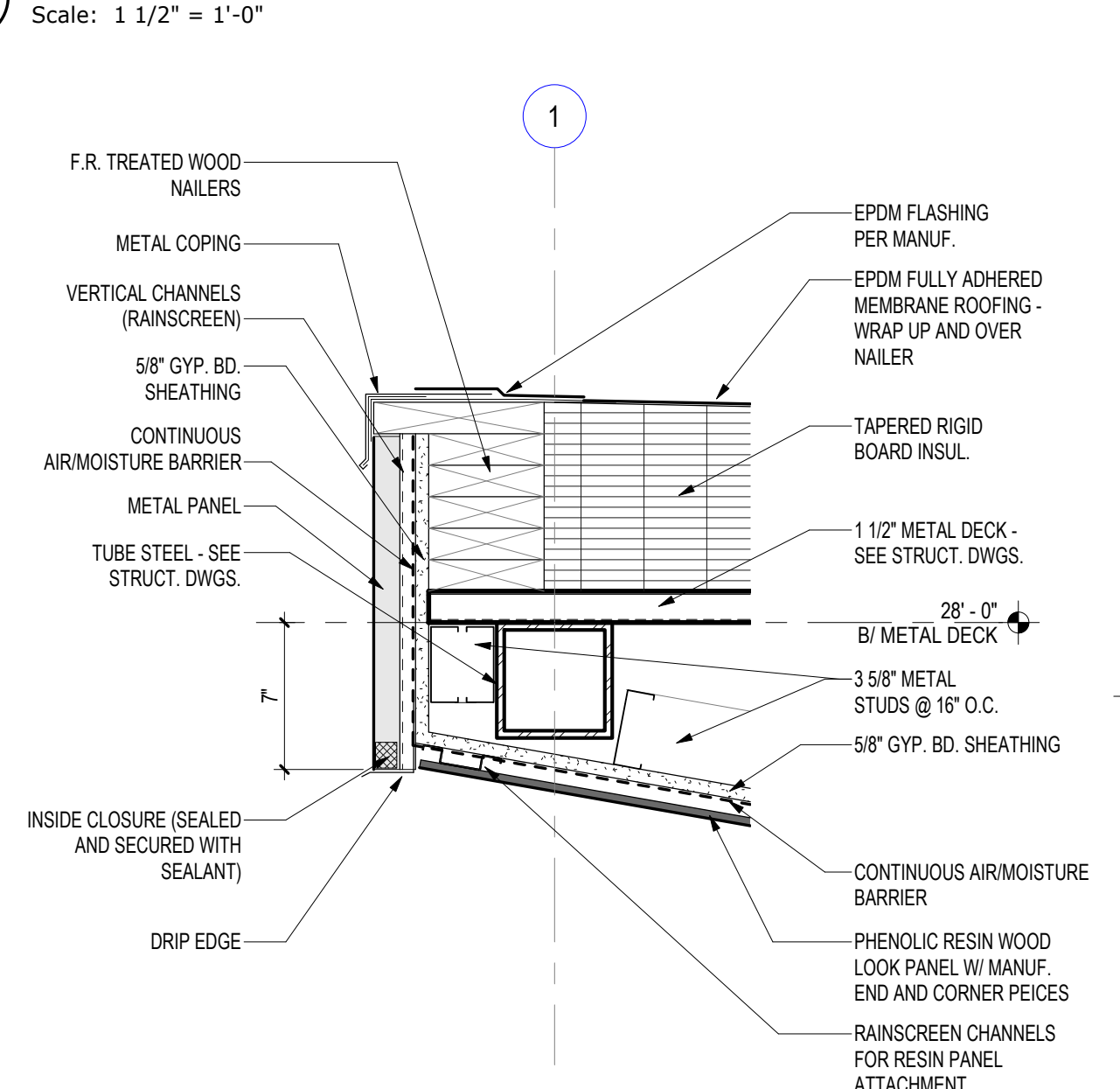
A3.44



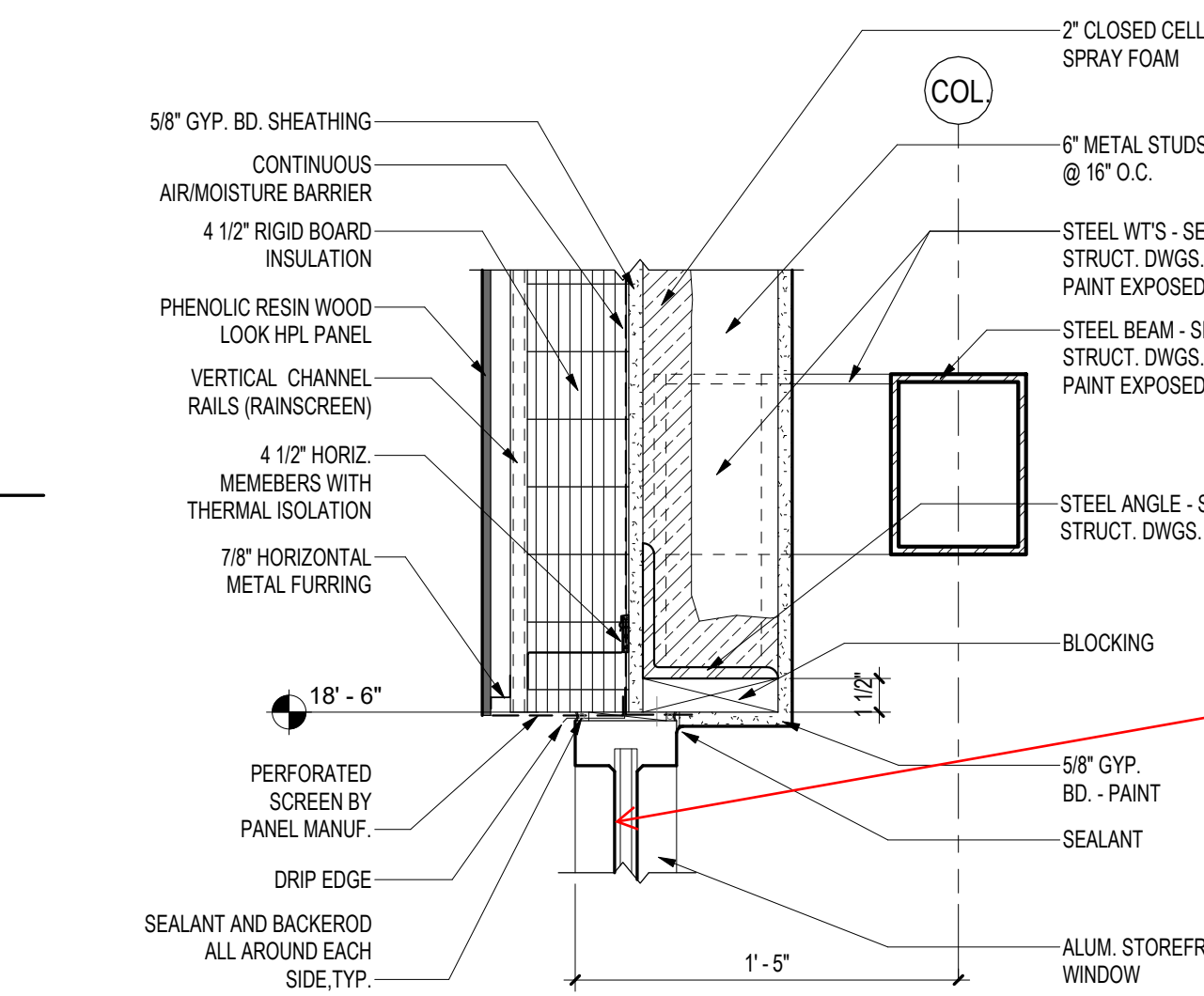
### 6 WALL SECTION DETAIL



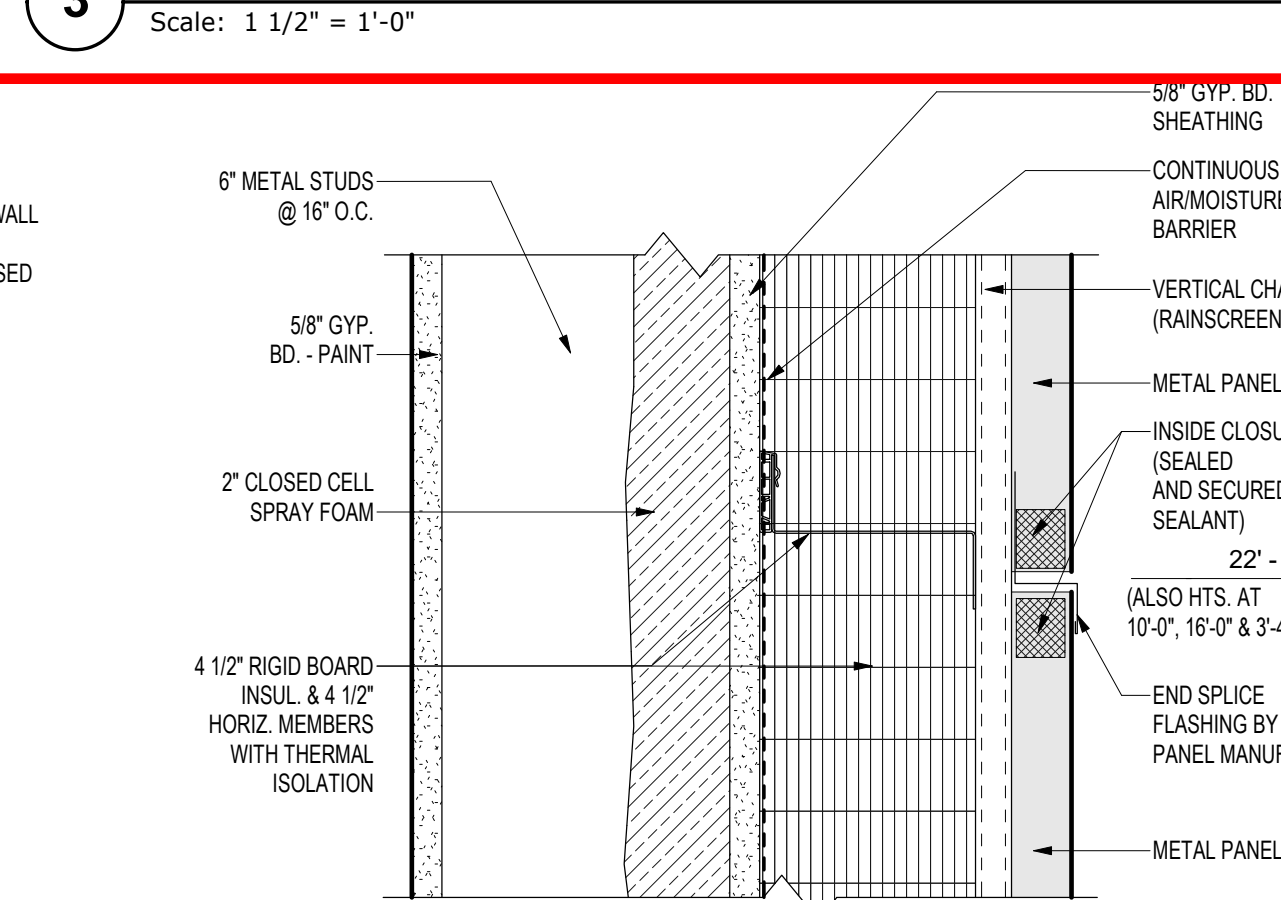
## 5 WALL SECTION DETAIL



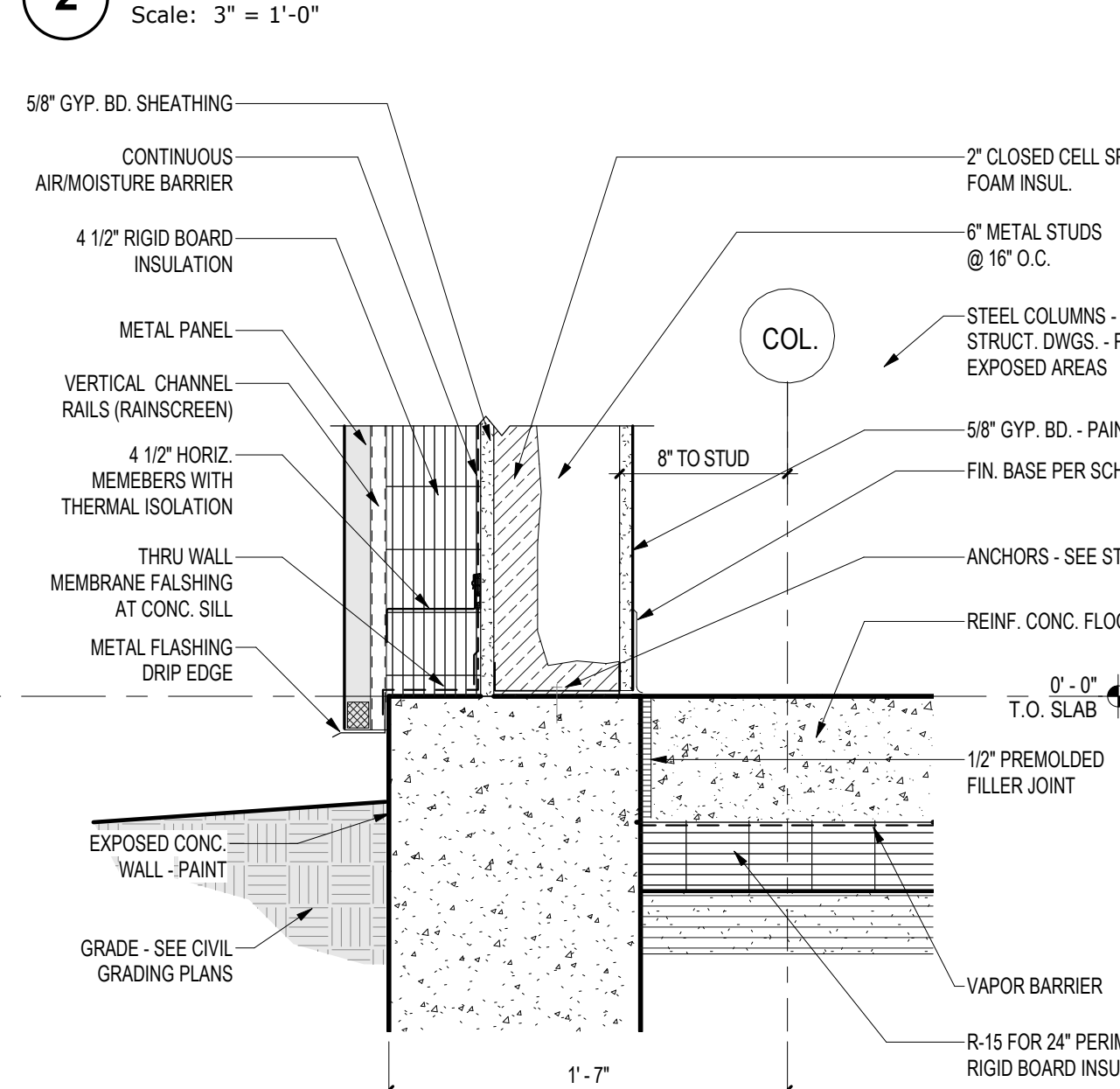
#### 4 WALL SECTION DETAIL



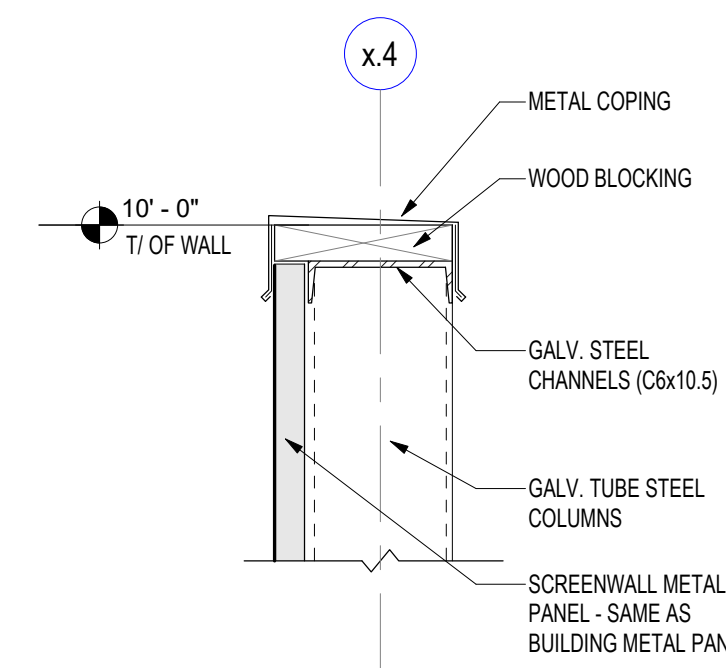
### 3 WALL SECTION DETAIL



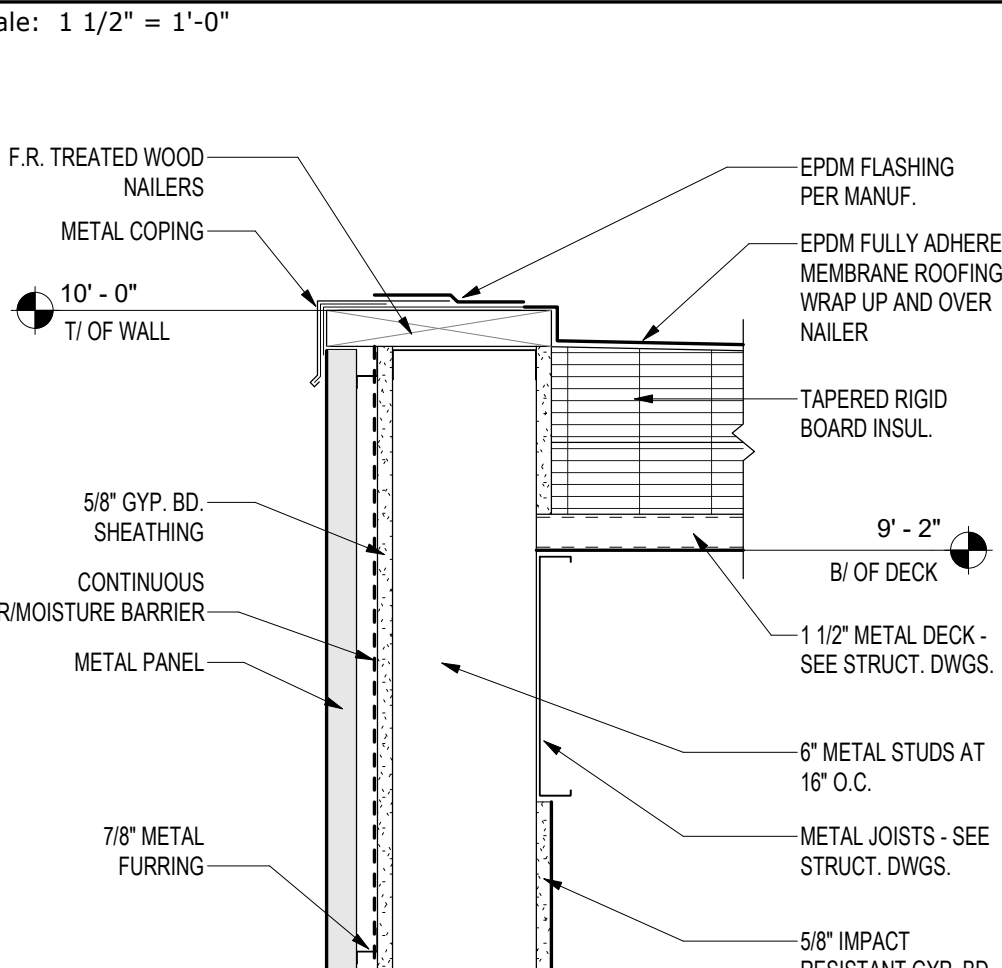
## 2 PANEL TRANSITION DETAIL



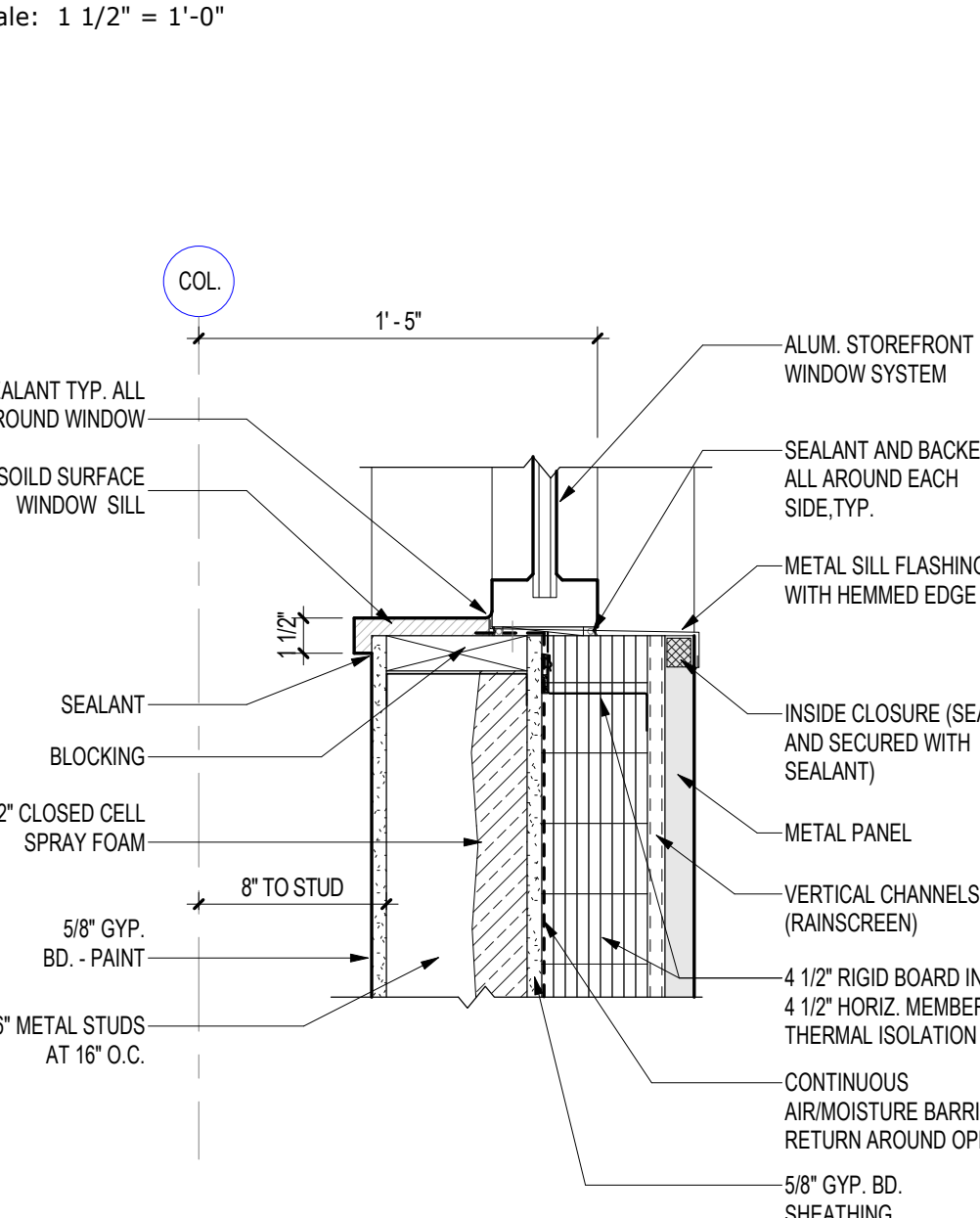
### 1 WALL SECTION DETAIL - BASE



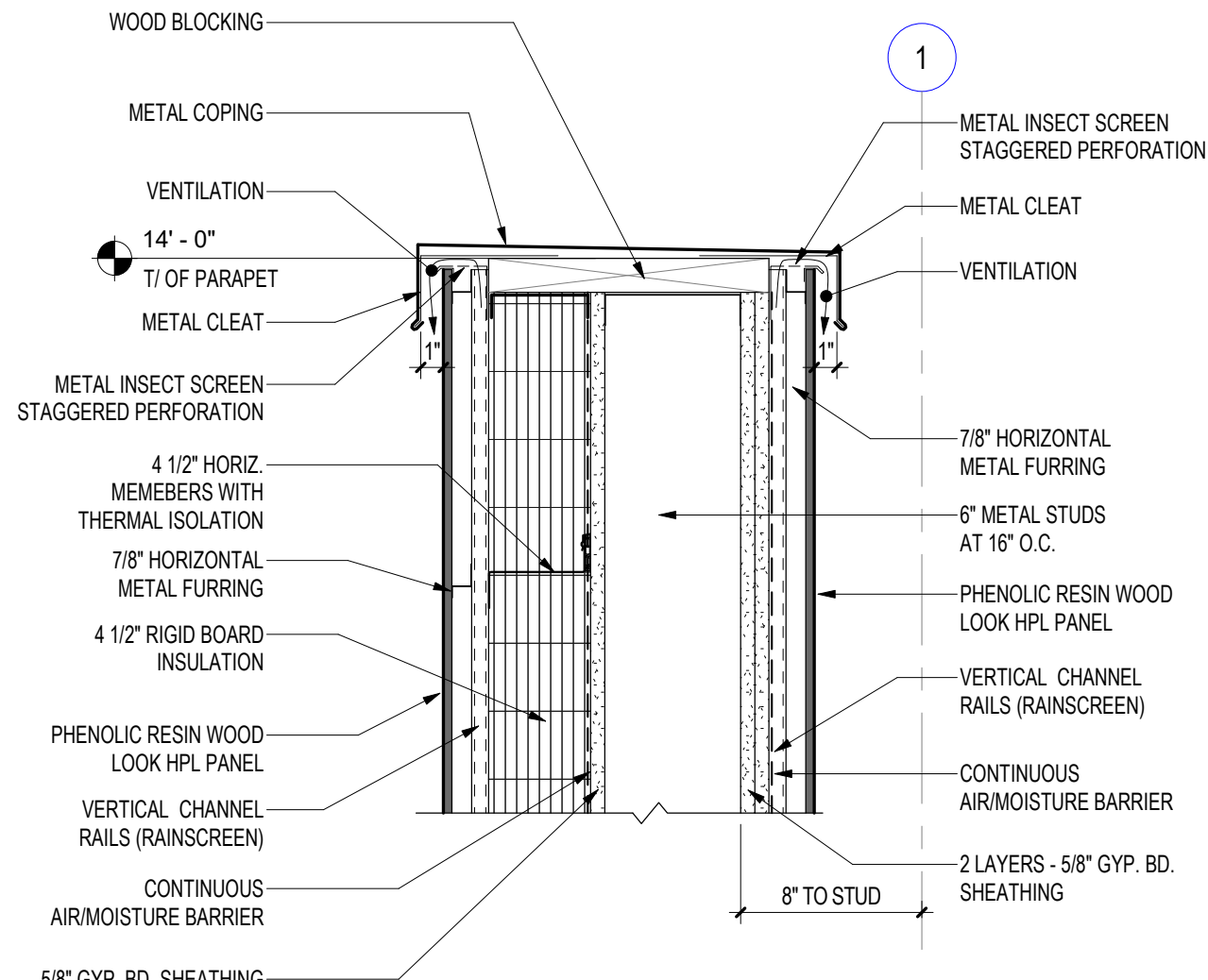
## 9 WALL SECTION DETAIL



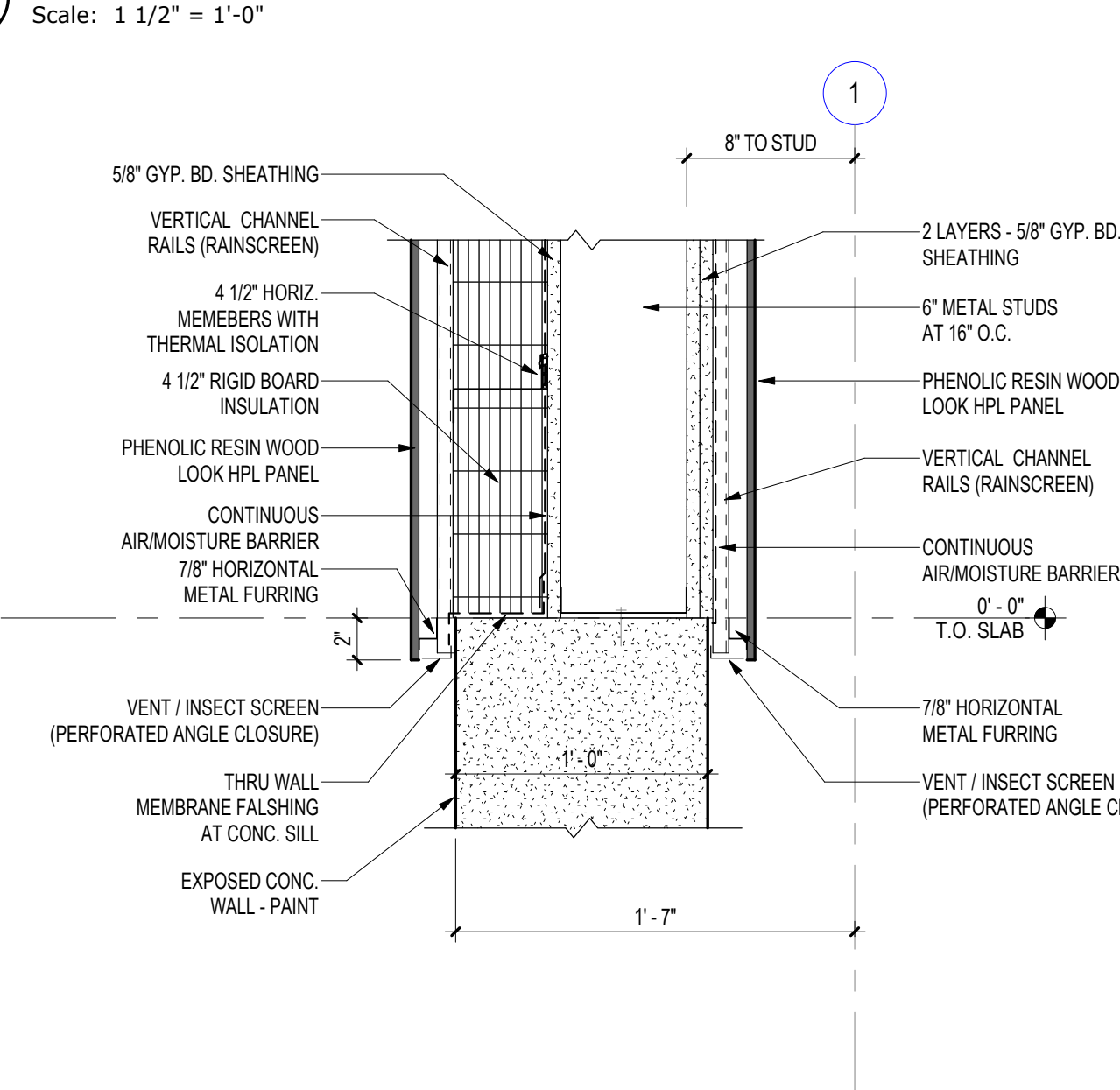
## 8 WALL SECTION DETAIL



## 7 WALL SECTION DETAIL



## 11 WALL SECTION DETAIL



## 10 WALL SECTION DETAIL