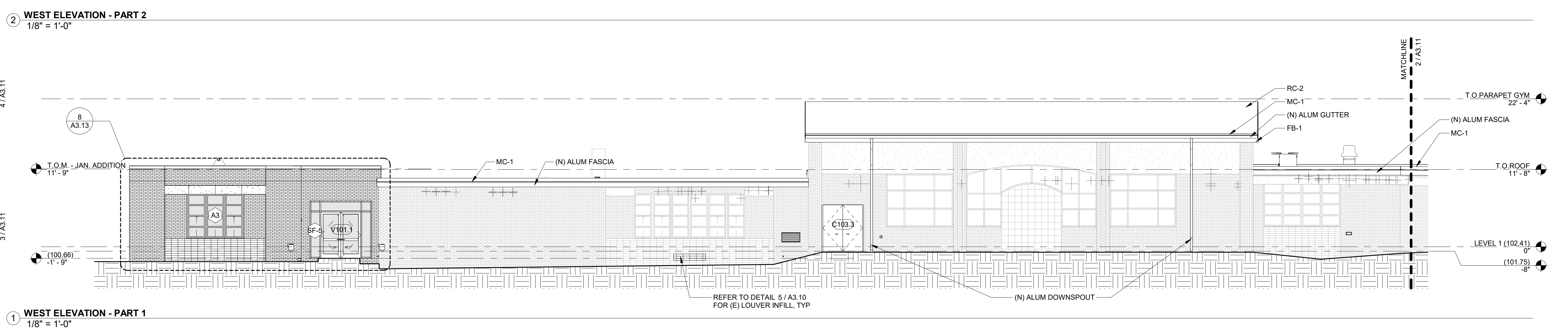
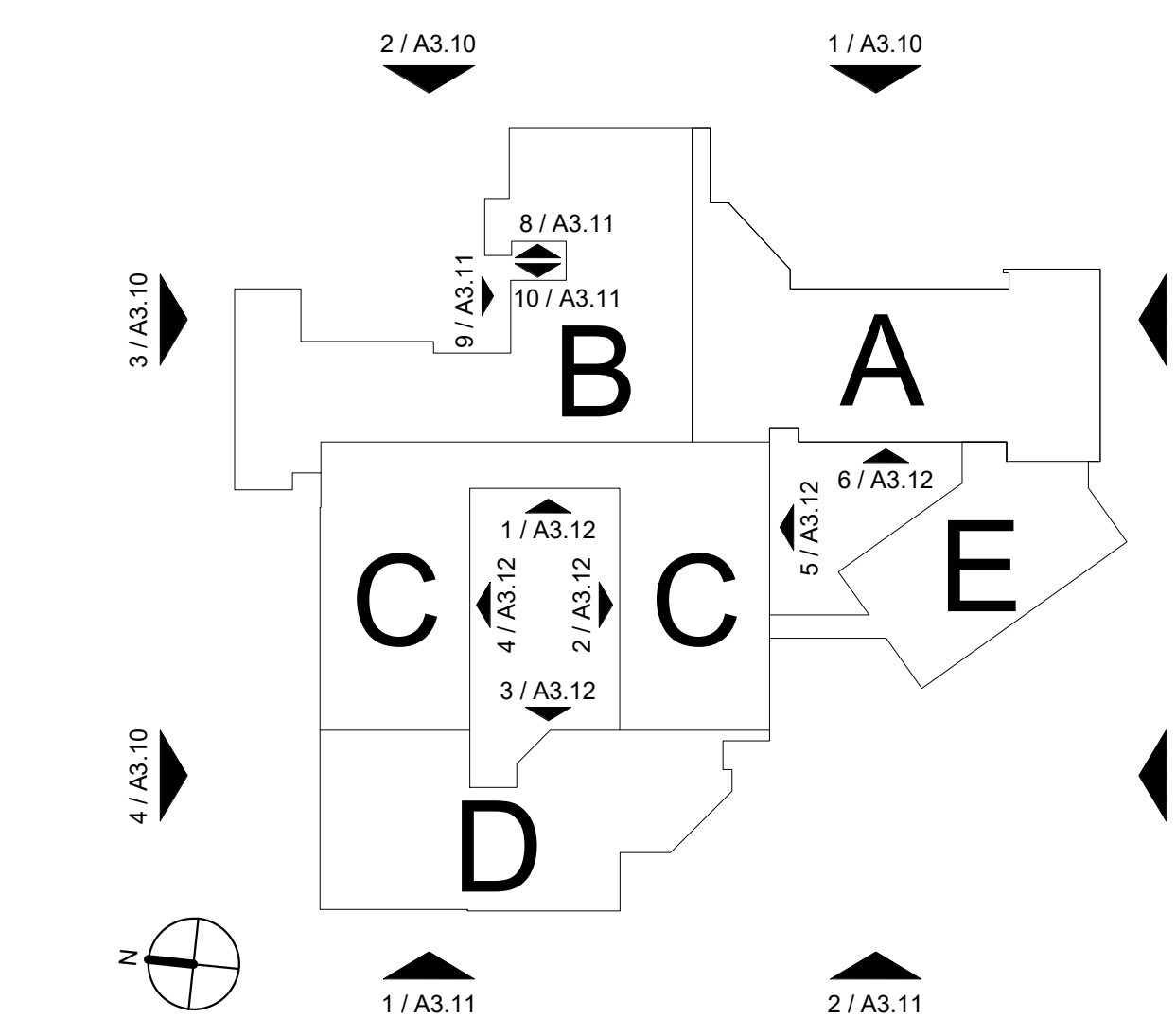
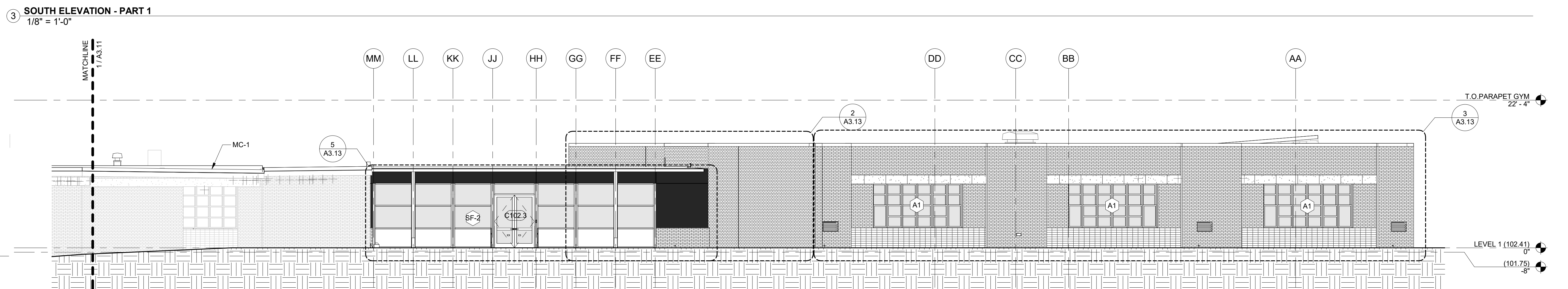
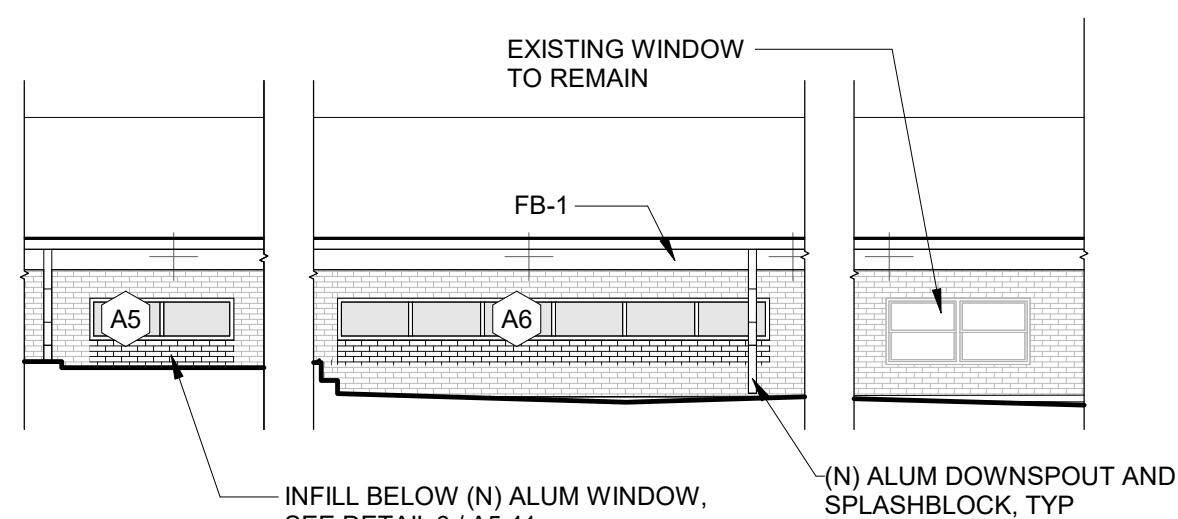
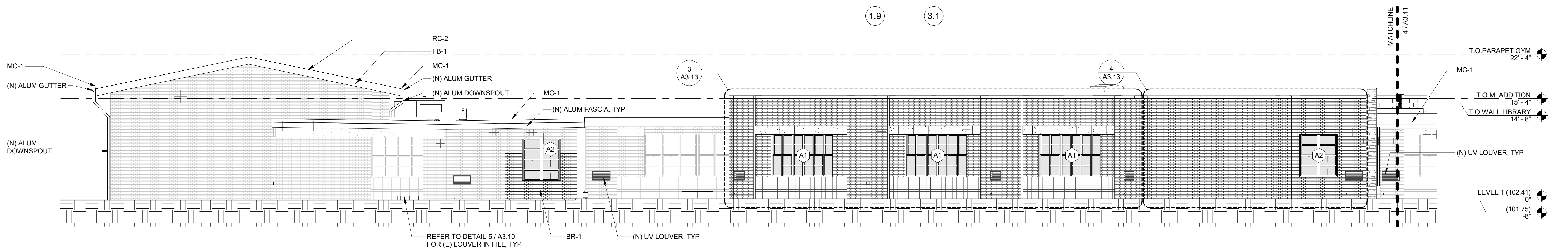
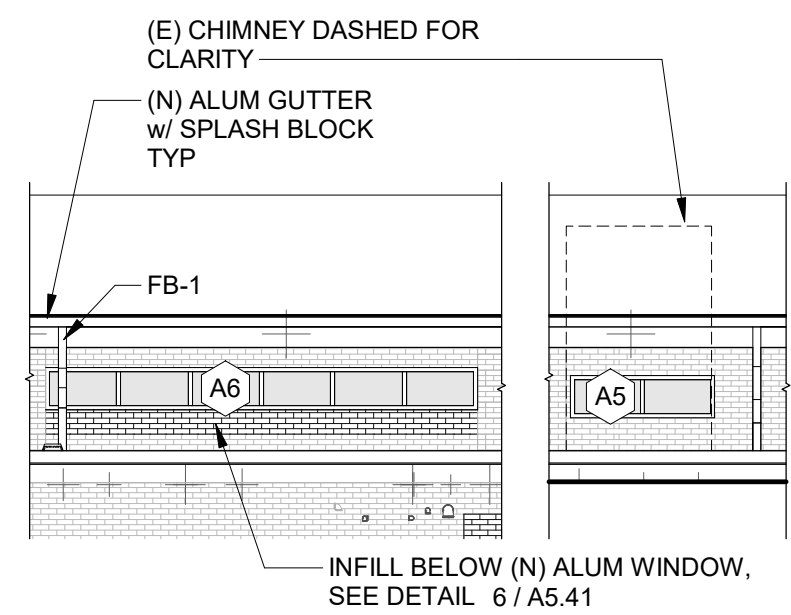
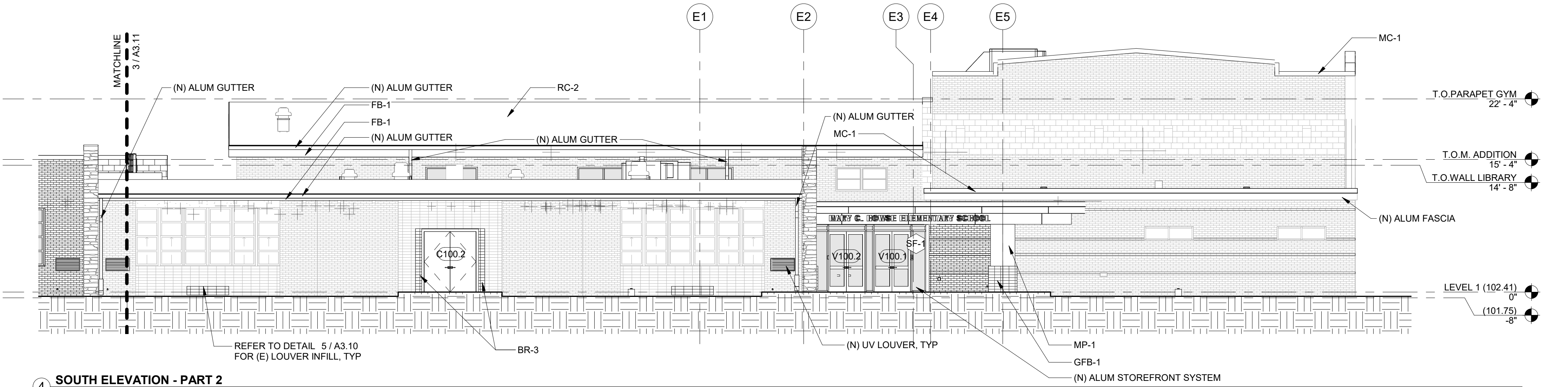
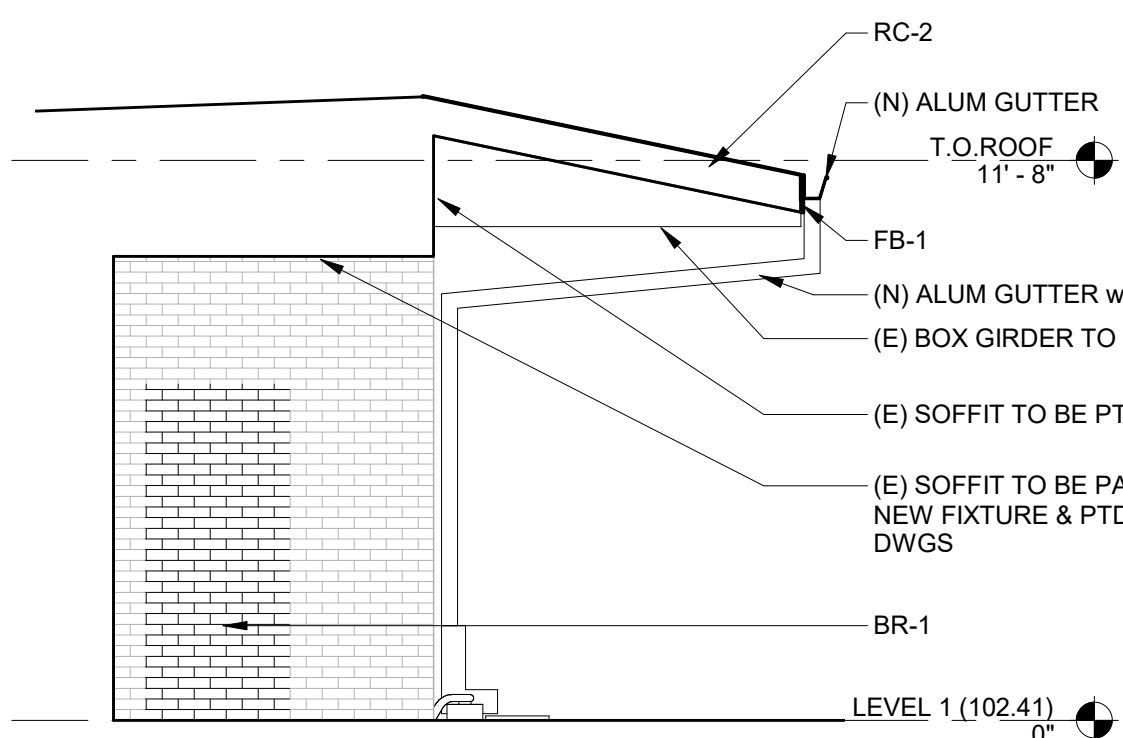
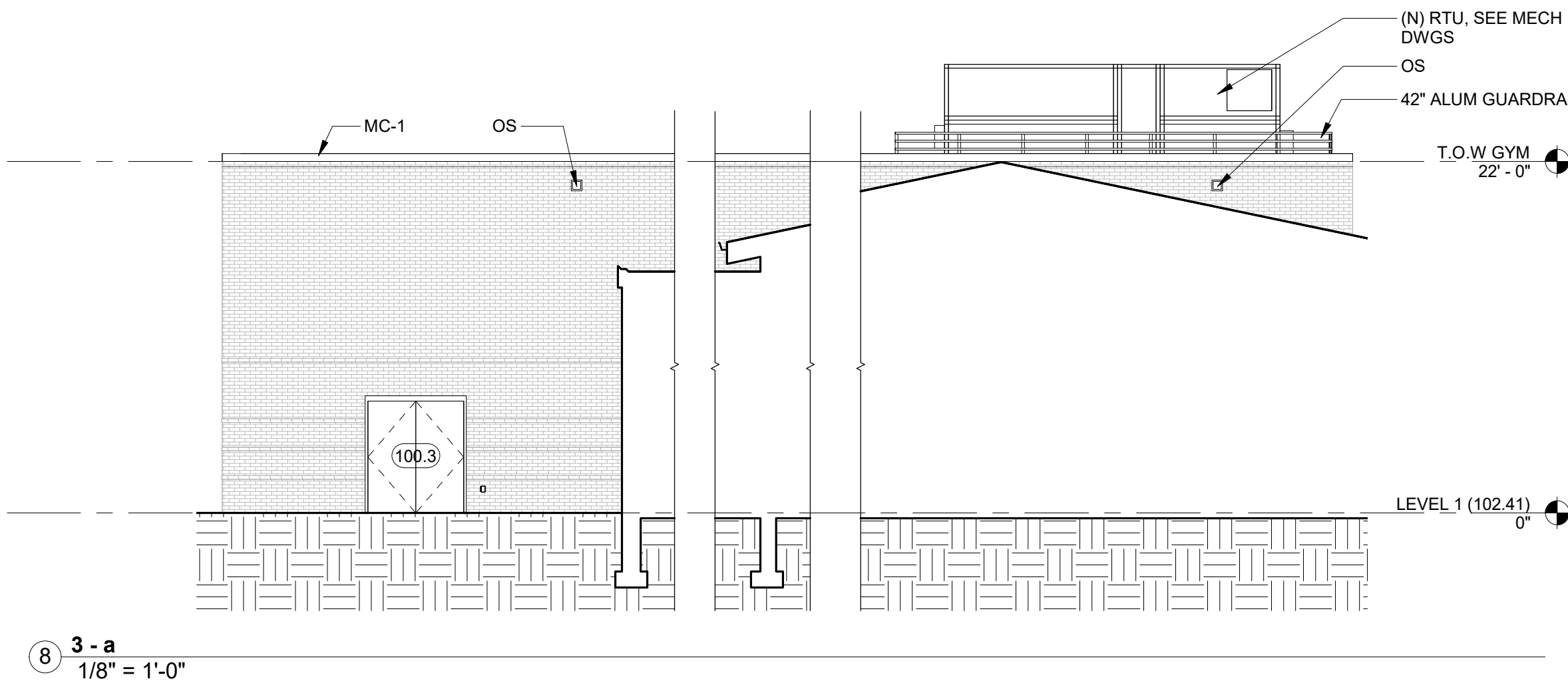
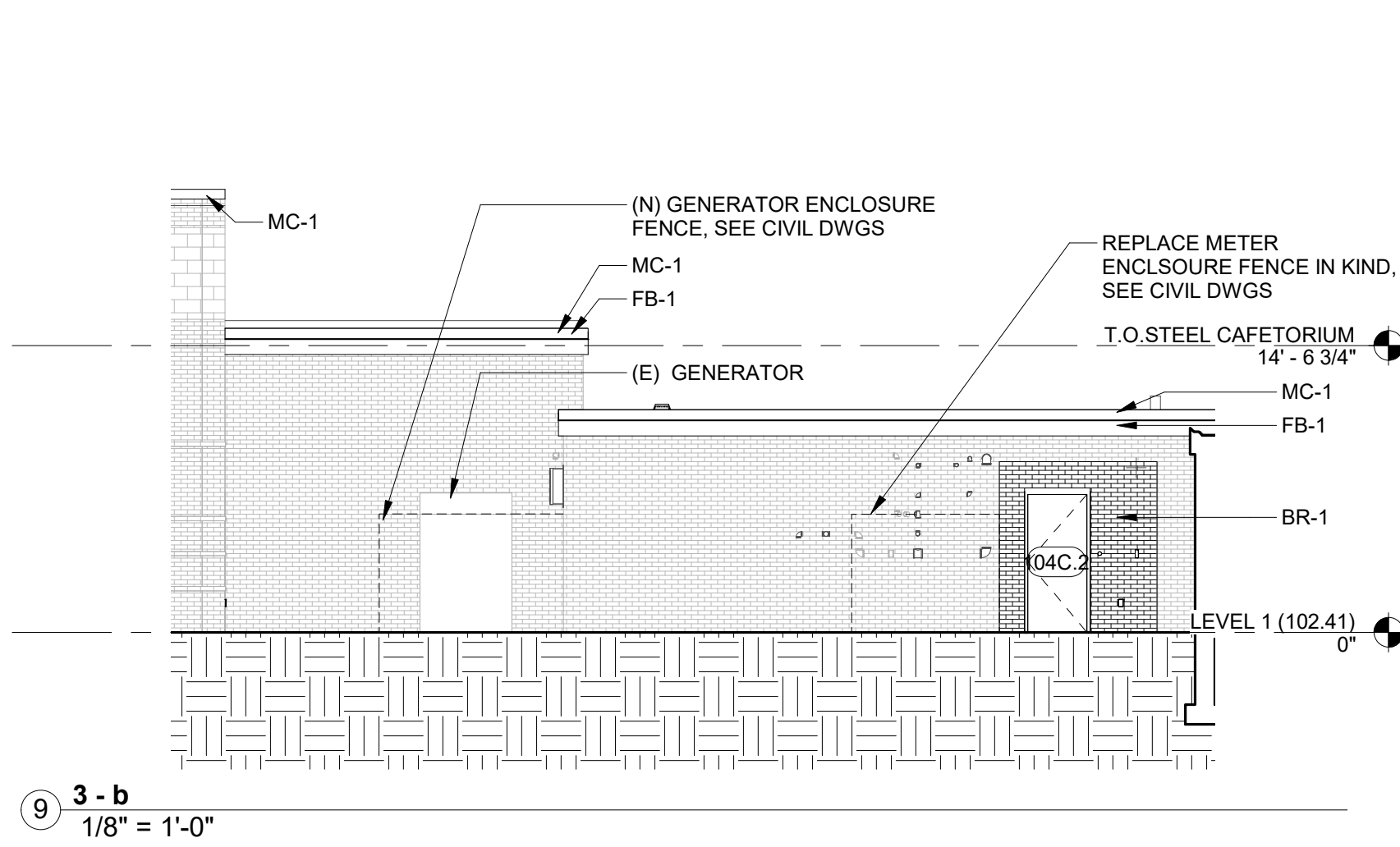
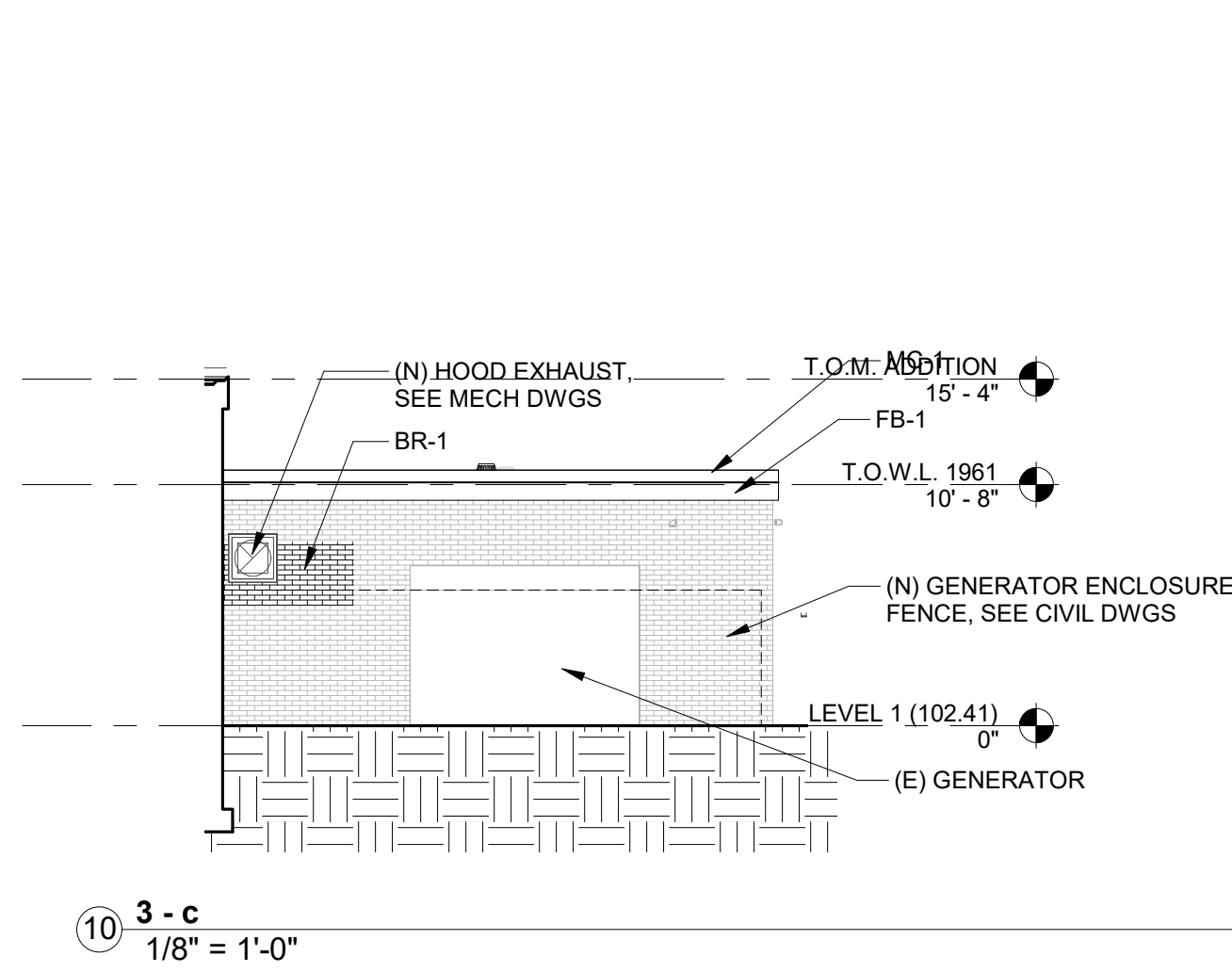


ELEVATION LEGEND	
BR - 1	BRICK 1, FIELD COLOR, REFER TO SPECIFICATIONS
BR - 2	BRICK 2, ACCENT COLOR, REFER TO SPECIFICATIONS
BR - 3	BRICK 3, ACCENT COLOR, REFER TO SPECIFICATIONS
CS - 1	16"HT CAST STONE, REFER TO SPECIFICATIONS
GFB - 1	GROUND FACE BLOCK, REFER TO SPECIFICATIONS
MC - 1	METAL COPING 1, REFER TO SPECIFICATIONS
MP - 1	METAL PANEL 1, REFER TO SPECIFICATIONS
FB - 1	FASCIA 1, REFER TO SPECIFICATIONS
CJ	CONTROL JOINT



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Project:
Mary C. Howse
Elementary

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Sheet Title:

**BUILDING
ELEVATIONS - SOUTH
& WEST**

deal

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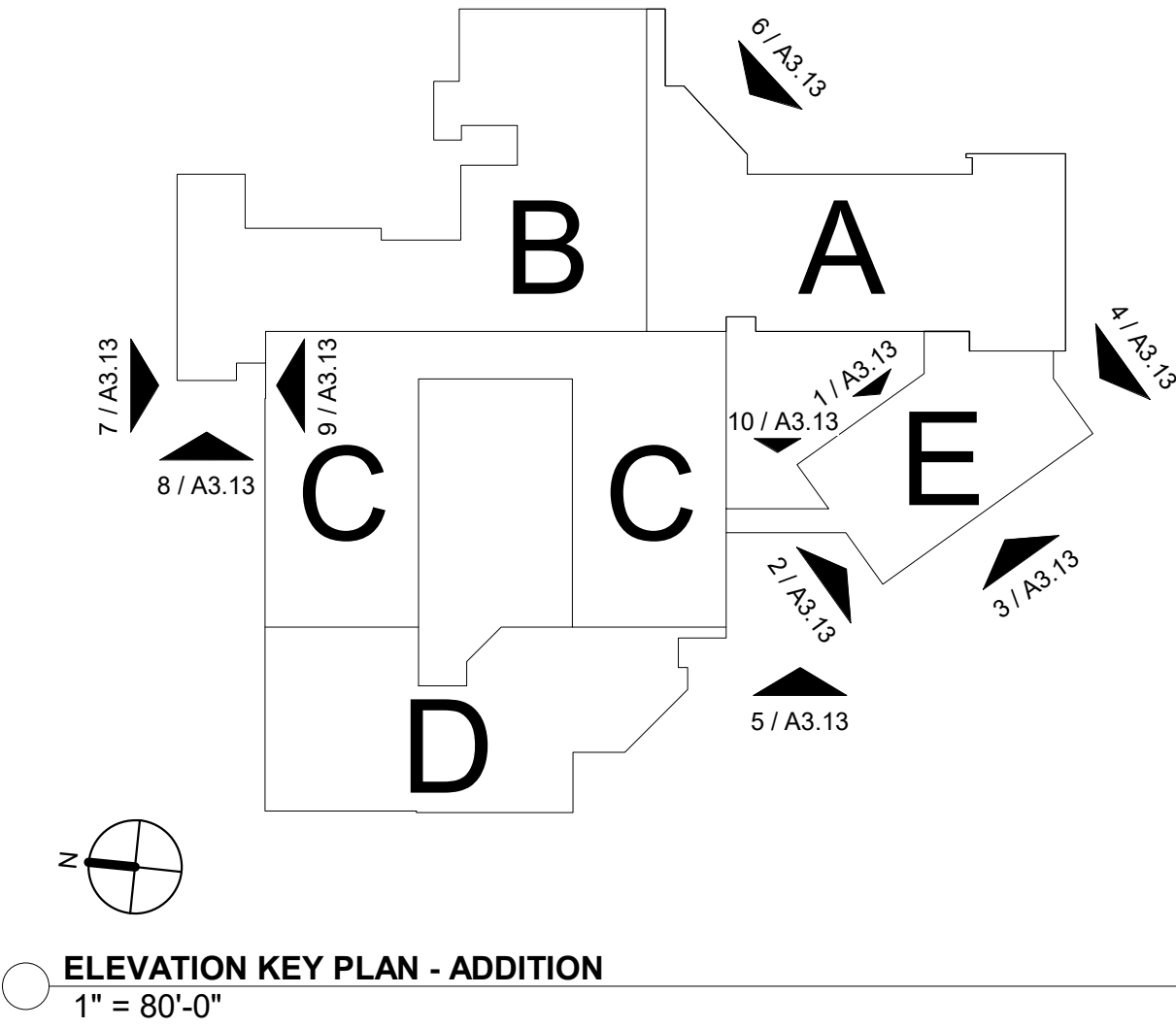
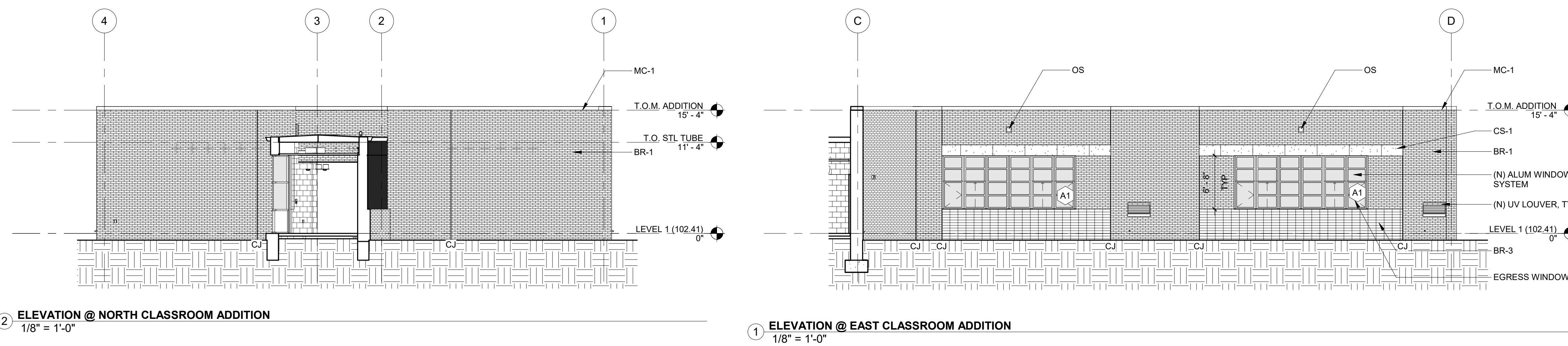
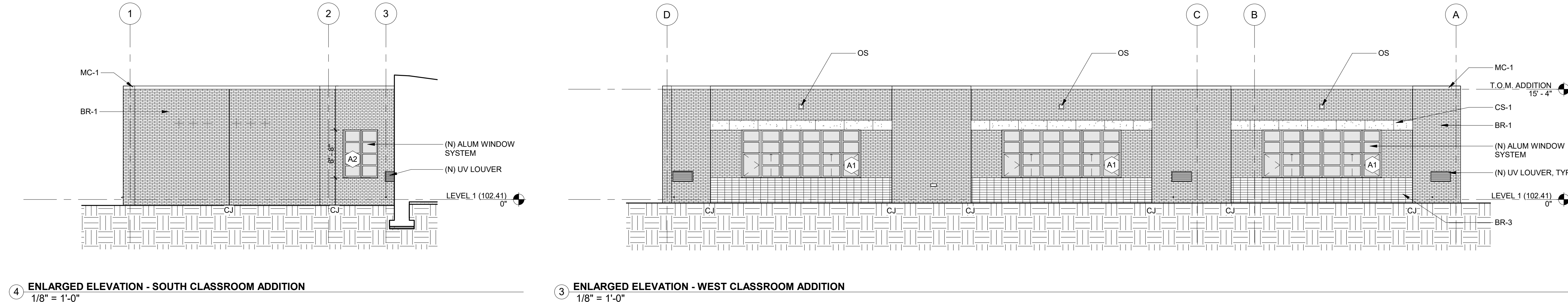
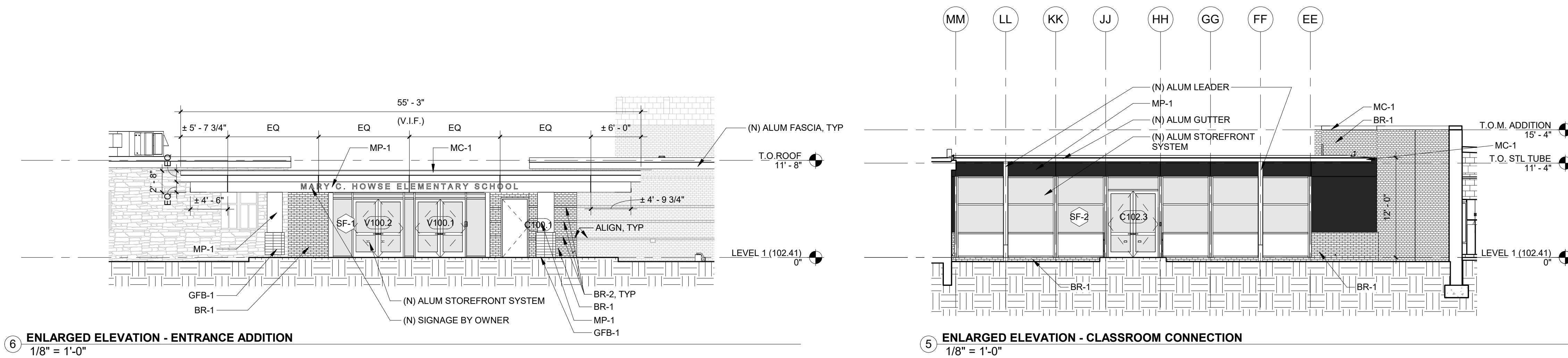
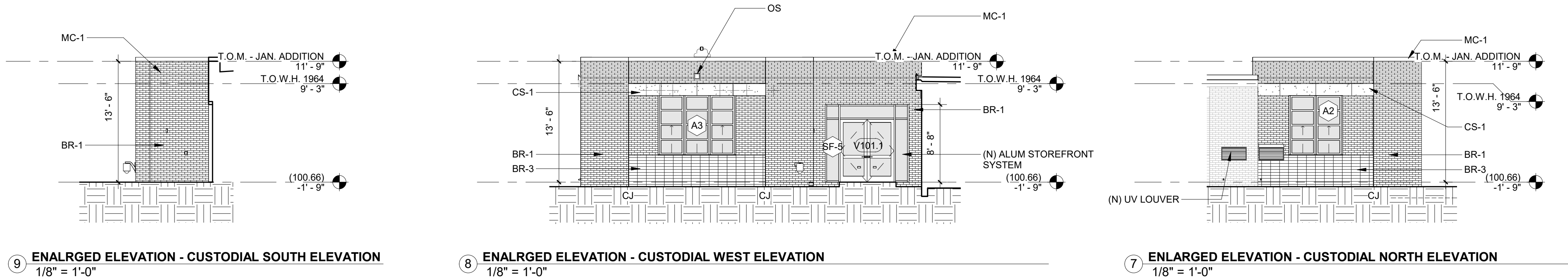
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ELEVATION KEY PLAN - OVERALL
NTS

ELEVATION LEGEND	
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BR - 2	BRICK 2, ACCENT COLOR, REFER TO SPECIFICATIONS
BR - 3	BRICK 3, ACCENT COLOR, REFER TO SPECIFICATIONS
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ENLARGED BUILDING
ELEVATIONS -
ADDITIONS

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Abstract

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AS.13

References

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BUILDING SECTIONS

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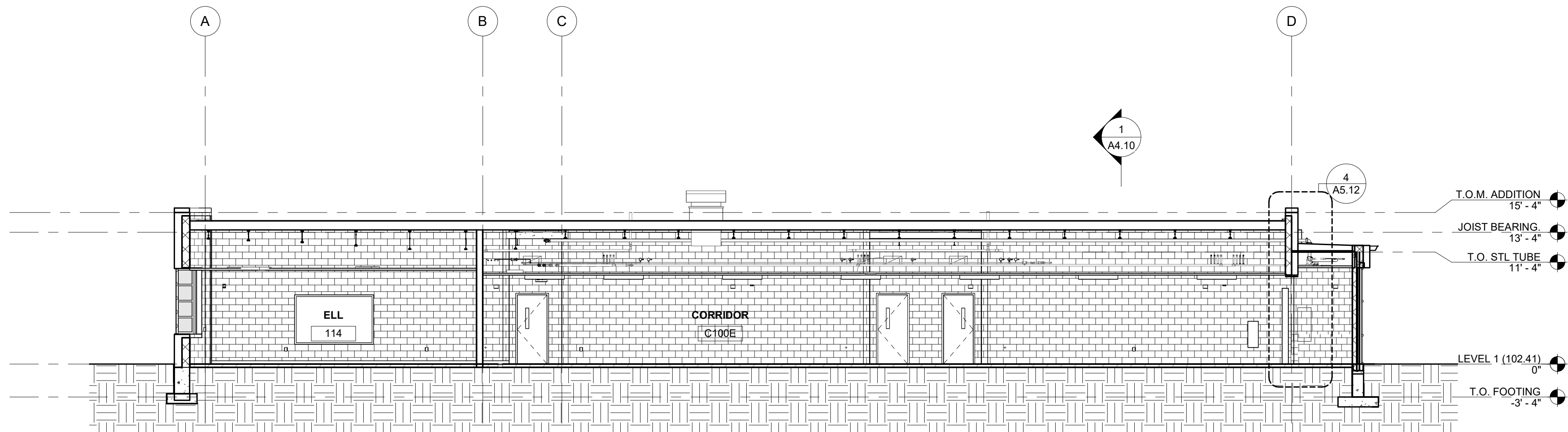
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	10.31.2023	BID SET	

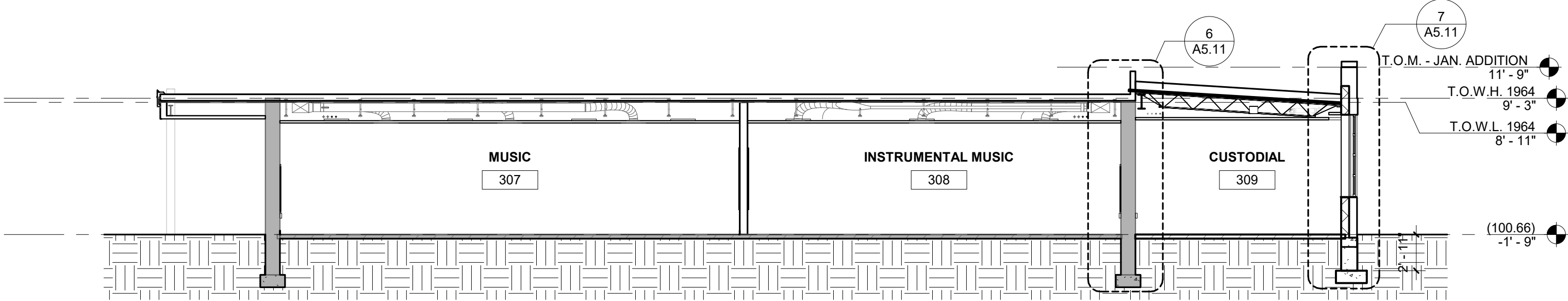
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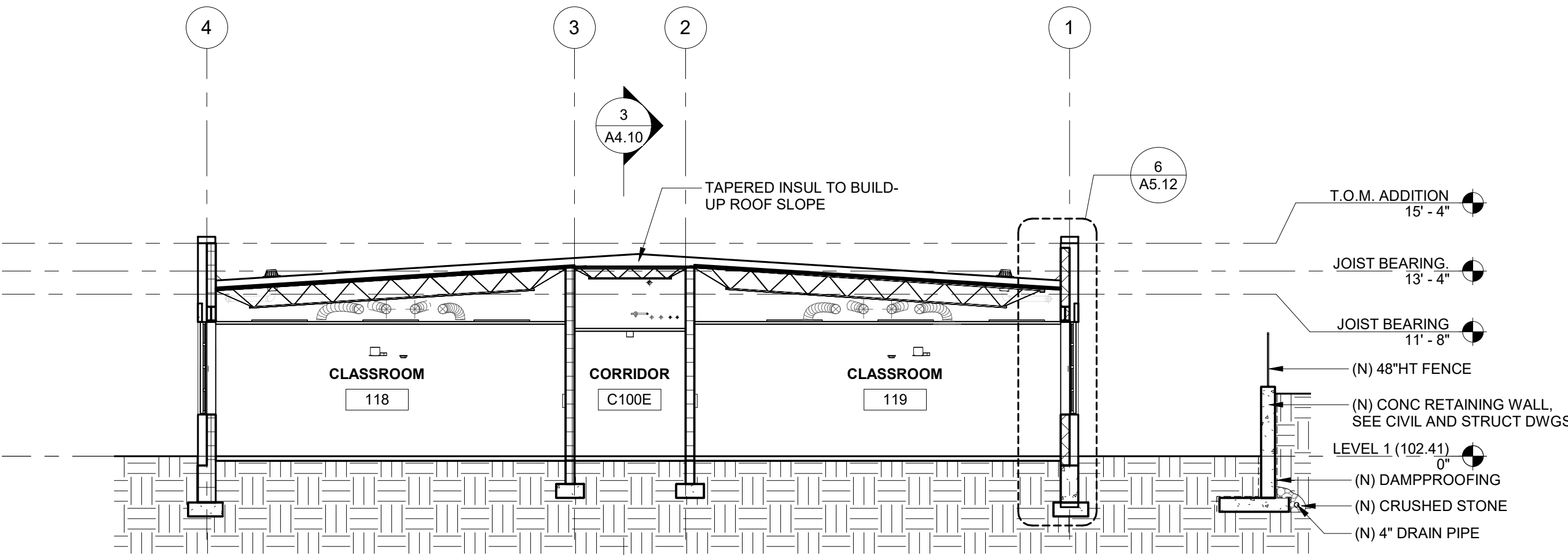
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3 LONG SECTION @ CLASSROOM ADDITION
1/8" = 1'-0"



2 CROSS SECTION @ CUSTODIAL ADDITION
1/8" = 1'-0"



1 CROSS SECTION @ CLASSROOM ADDITION
1/8" = 1'-0"

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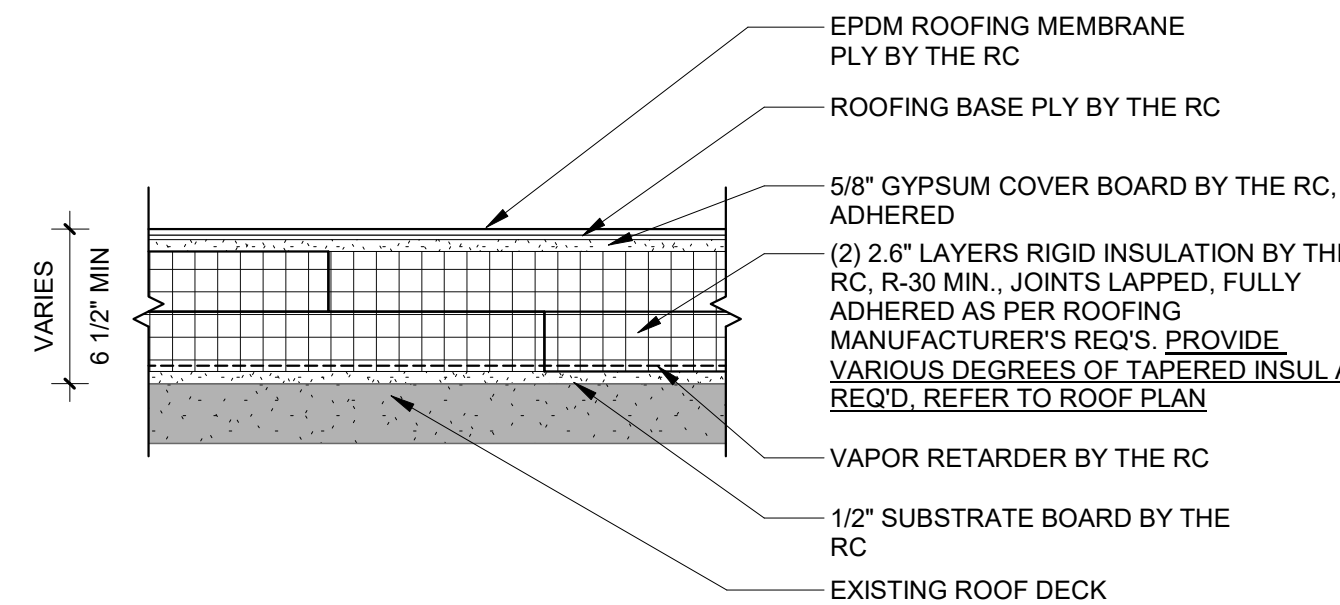
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VARIES
6 1/2" MIN

EPDM ROOFING MEMBRANE
PLY BY THE RC

ROOFING BASE PLY BY THE RC

5/8" GYPSUM COVER BOARD BY THE RC,
ADHERED

(2) 2" LAYERS RIGID INSULATION BY THE
RC, R-30 MIN. JOINTS FULLY,
ADHERED AS PER ROOFING
MANUFACTURER'S REQ'S. PROVIDE
VARIOUS DEGREES OF TAPERED INSUL.
REQD. REFER TO ROOF PLAN

VAPOR RETARDER BY THE RC

1/2" GYPSUM SUBSTRATE BOARD
BY THE RC

METAL DECK BY THE GC, SEE
STRUCTURAL

11 5/8" 2 1/2" 1 1/2" 3 5/8"

FACE BRICK

AIR SPACE

BOARD INSULATION, R-13 MIN.

WEATHER BARRIER

ADJUSTABLE MASONRY VENEER ANCHOR, 16" O.C. HORIZONTAL & VERTICAL

LADDER TYPE MASONRY JOINT REINFORCEMENT

CMU, SEE STRUCTURAL

Diagram illustrating the cross-section of a masonry wall assembly, showing the following components and dimensions:

- FACE BRICK
- AIR SPACE
- BOARD INSULATION, R-13 MIN.
- WEATHER BARRIER
- ADJUSTABLE MASONRY VENEER ANCHOR, 16" O.C. HORIZONTAL & VERTICAL
- LADDER TYPE MASONRY JOINT REINFORCEMENT
- CMU, SEE STRUCTURAL

Dimensions (from left to right):

- 7 5/8"
- 2 1/2"
- 1 1/2"
- 3 5/8"

1' - 0 1/4"

7 5/8" 2 1/2" 2"

MP-1

BOARD INSULATION, R-13 MIN.

WEATHER BARRIER

FACTORY APPLIED CONTINUOUS ALUM EXTRUSION

LADDER TYPE MASONRY JOINT REINFORCEMENT

CMU, SEE STRUCTURAL

A

Diagram illustrating the cross-section of a composite track assembly. The total width is 11 3/4". The assembly consists of the following layers and components:

- MP-1
- BOARD INSULATION, R-13 MIN.
- WEATHER BARRIER
- FACORY APPLIED CONTINUOUS ALUM EXTRUSION
- COMPOSITE TRACK
- 5/8" EXT. GYPSUM BOARD
- 6" CFMF @ 16" O.C., SEE STRUCT
- R-21 BATT INSUL

Dimensions shown:

- Overall width: 11 3/4"
- Left section width: 3/4"
- Section width: 3/4"
- Section width: 6"
- Section width: 2 1/2"
- Section width: 2"
- Track height: 1 1/2"

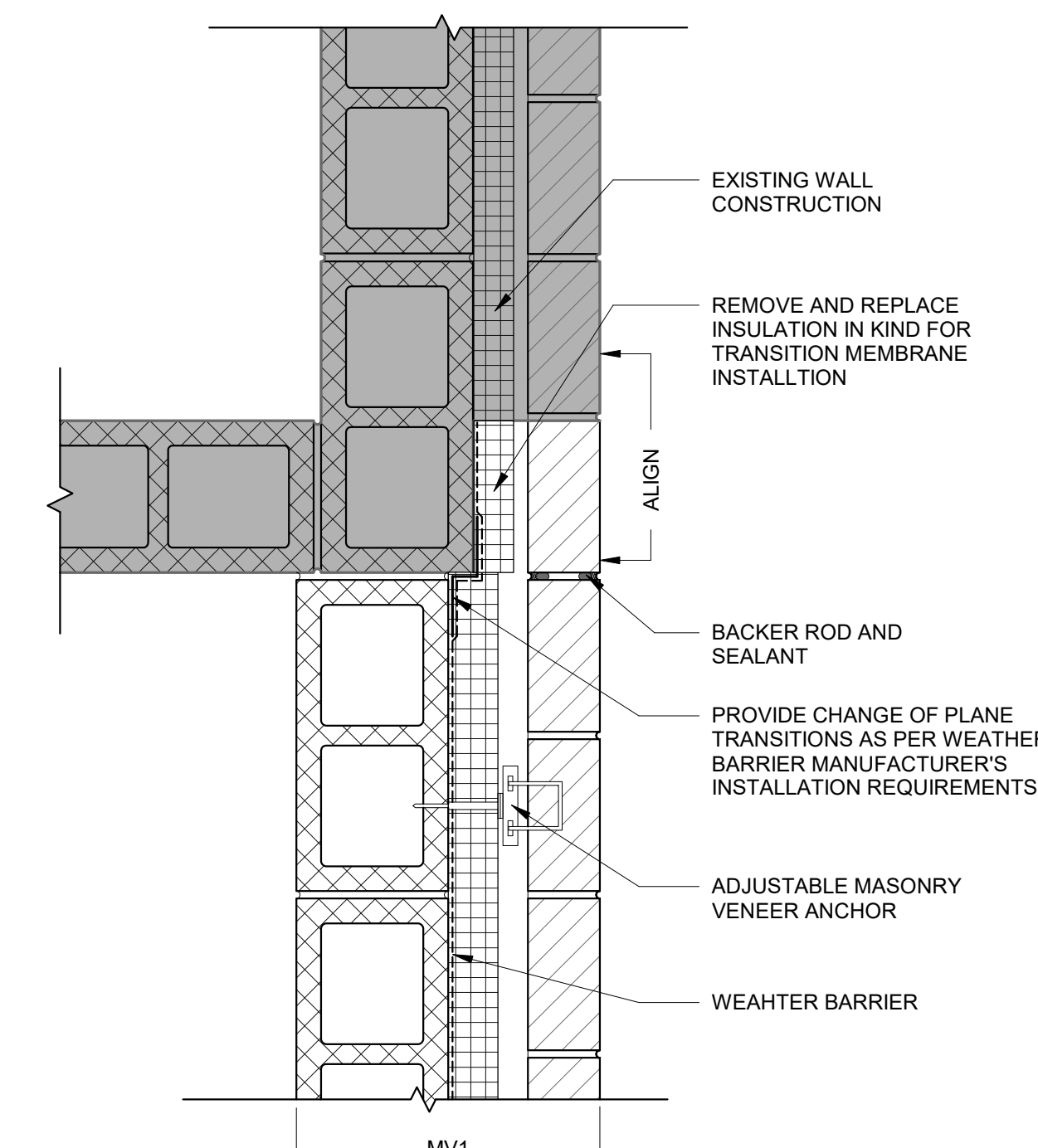


Figure 1: Typical Masonry Veneer Detail. This cross-sectional diagram illustrates the assembly of a masonry veneer over a concrete or masonry substrate. The substrate is shown with a 4-inch thickness. A weather barrier is applied to the exterior face of the substrate. Adjustable masonry veneer anchors are embedded into the substrate and extend through the weather barrier to secure the veneer. The veneer itself is composed of masonry units (bricks or blocks) with mortar joints. The diagram also shows the interior finish, which includes a layer of sealant and a reinforced concrete or masonry core. Labels indicate the weather barrier, adjustable masonry veneer anchor, sealant, and reinforced concrete core.

Technical cross-section diagram of a wall assembly showing the transition from existing masonry to a new CMU wall. The diagram includes the following labels and components:

- MV1**: Vertical dimension line at the top of the wall section.
- ADJUSTABLE MASONRY VENEER ANCHOR**: Points to the anchor connecting the existing masonry to the new wall.
- EXTEND LADDER MESH REINFORCEMENT INTO EXISTING CMU**: Points to the mesh reinforcement extending into the existing masonry.
- PROVIDE CHANGE OF PLANE TRANSITIONS AS PER WEATHER BARRIER MANUFACTURER'S INSTALLATION REQUIREMENTS**: Points to the transition area between the existing wall and the new CMU wall.
- SEALANT AND BACKER ROD**: Points to the sealant and backer rod used in the joint.
- ALIGN**: Points to the alignment of the new CMU wall.
- REMOVE AND REPLACE INSULATION IN KIND FOR TRANSITION MEMBRANE INSTALLATION**: Points to the insulation being replaced in the transition area.
- EXISTING WALL CONSTRUCTION**: Points to the existing masonry wall on the left.

Figure 10: Typical Wall Section Detail. This cross-sectional diagram illustrates the assembly of a wall section. The existing wall construction is shown on the left, with a new reinforcement layer being added. The reinforcement consists of a ladder mesh that is extended into the existing CMU. A sealant and backer rod are used to fill the gap between the new mesh and the existing wall. The diagram is labeled with 'MV3' at the top, 'ALIGN' on the left, and 'EXISTING WALL CONSTRUCTION' at the bottom. The reinforcement layer is labeled 'EXTEND LADDER MESH REINFORCEMENT INTO EXISTING CMU' and the sealant/backer rod is labeled 'SEALANT AND BACKER ROD'.

Technical drawing of a wall section showing a weather barrier and adjustable masonry veneer anchor. The drawing includes dimensions MV1 and MV2, and a note: "PROVIDE CHANGE OF PLANE TRANSITIONS AS PER WEATHER BARRIER MANUFACTURER'S INSTALLATION REQUIREMENTS".

Technical drawing showing a cross-section of a door threshold assembly. The drawing includes labels for various components and dimensions:

- MM
- BRICK RETURN TO JAMB
- BACKER ROD & SEALANT
- BRAKE METAL, WRAPPED INTO JAMB, COLOR TO MATCH STOREFRONT
- WEATHER BARRIER, WRAPPED INTO JAMB MIN 3"
- BACKER ROD & SEALANT, BOTH SIDES
- FT WD BLOCKING AS REQ'D
- BRICK SILL, BEYOND
- HSS POST, PTD. SEE STRUCT DWGS
- COMPRESSIBLE FILLER
- SC
- MV3
- MV1

This technical cross-section diagram illustrates a wall assembly with the following components and labels:

- EXISTING WALL CONSTRUCTION:** Indicated by a dashed line on the right side of the diagram.
- PROVIDE CONTINUOUS TRANSITION BARRIER MATERIAL AT INSTALLATION:** A layer applied to the existing wall.
- ADJUSTABLE VENEER ANCHOR:** A vertical component used to secure the veneer.
- WEATHER BARRIER:** A layer applied over the transition barrier material.
- 1" EXPANSION JOINT:** A horizontal gap in the wall assembly.
- SEALANT:** Applied at the joint between the veneer and the existing wall.
- MV1:** A dimension line at the bottom indicating the width of the veneer panel.
- 26:** A diamond-shaped symbol on the left side of the diagram.

30

PROVIDE CHANGE OF PLANE TRANSITIONS AS PER WEATHER BARREIR MANUFACTURER'S INSTALLATION REQUIREMENTS

BACKER ROD AND SEALANT

MASONRY VENEER ANCHOR

MV1

MV1



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EXTERIOR PLAN DETAILS

Seal



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WALL SECTIONS

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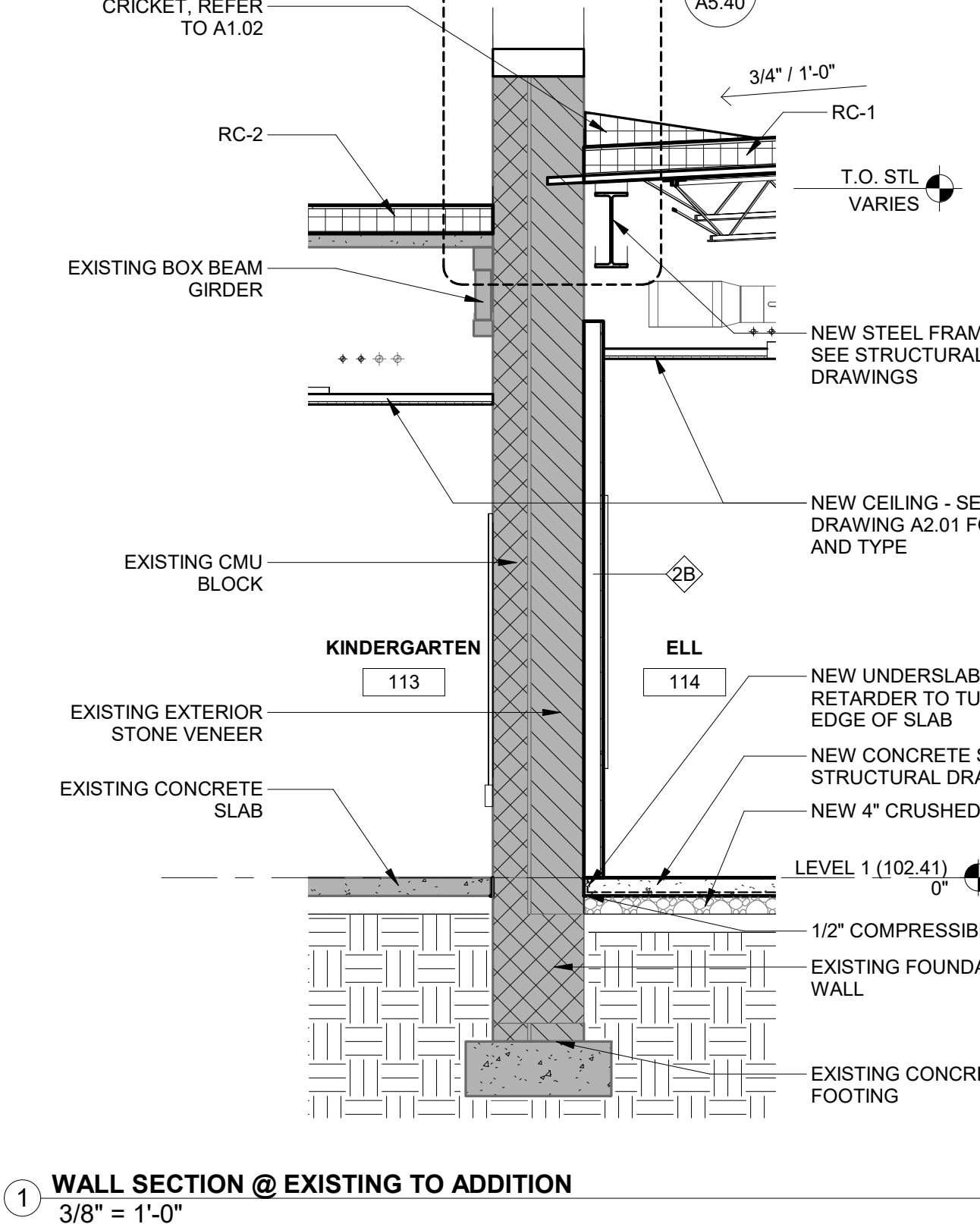
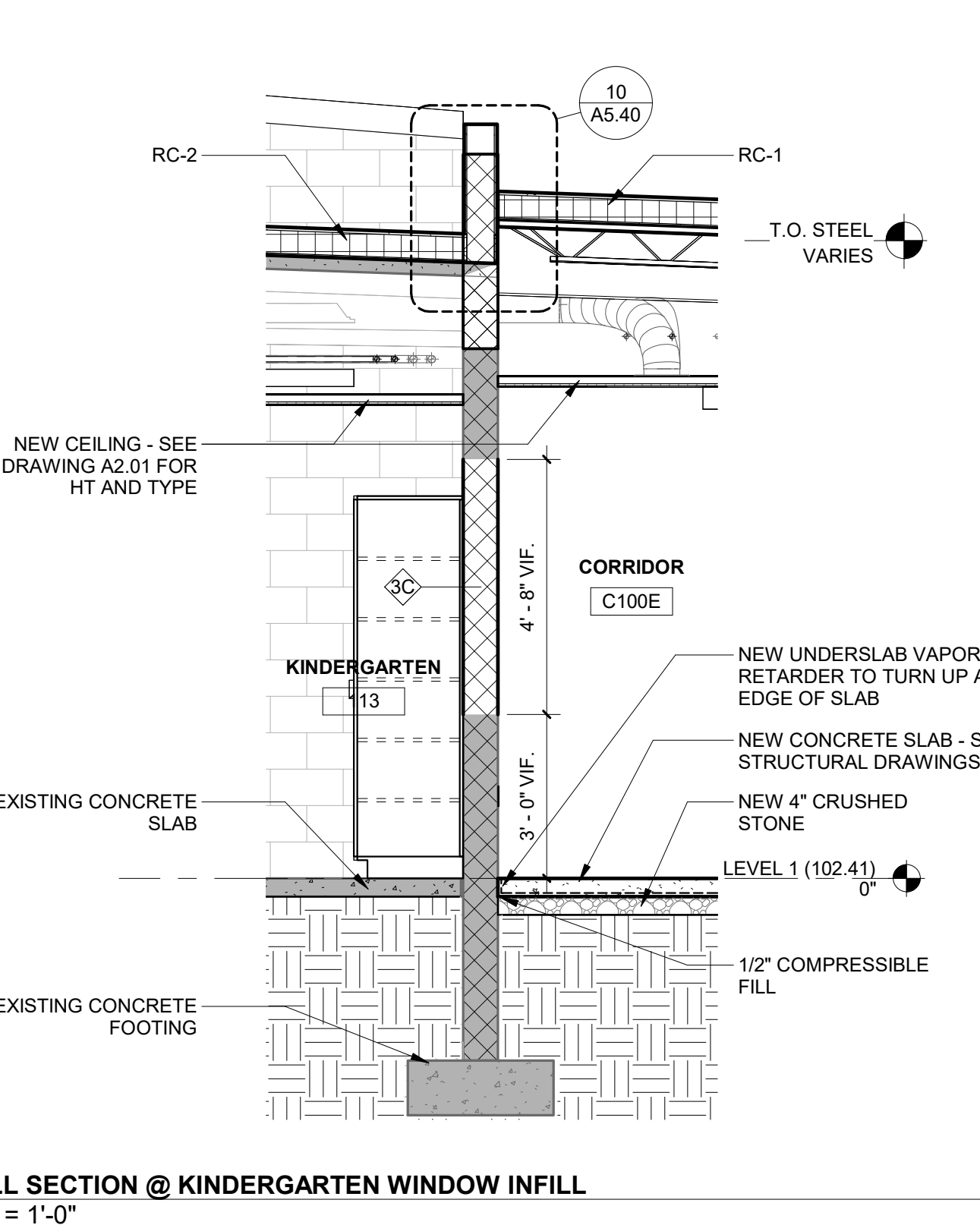
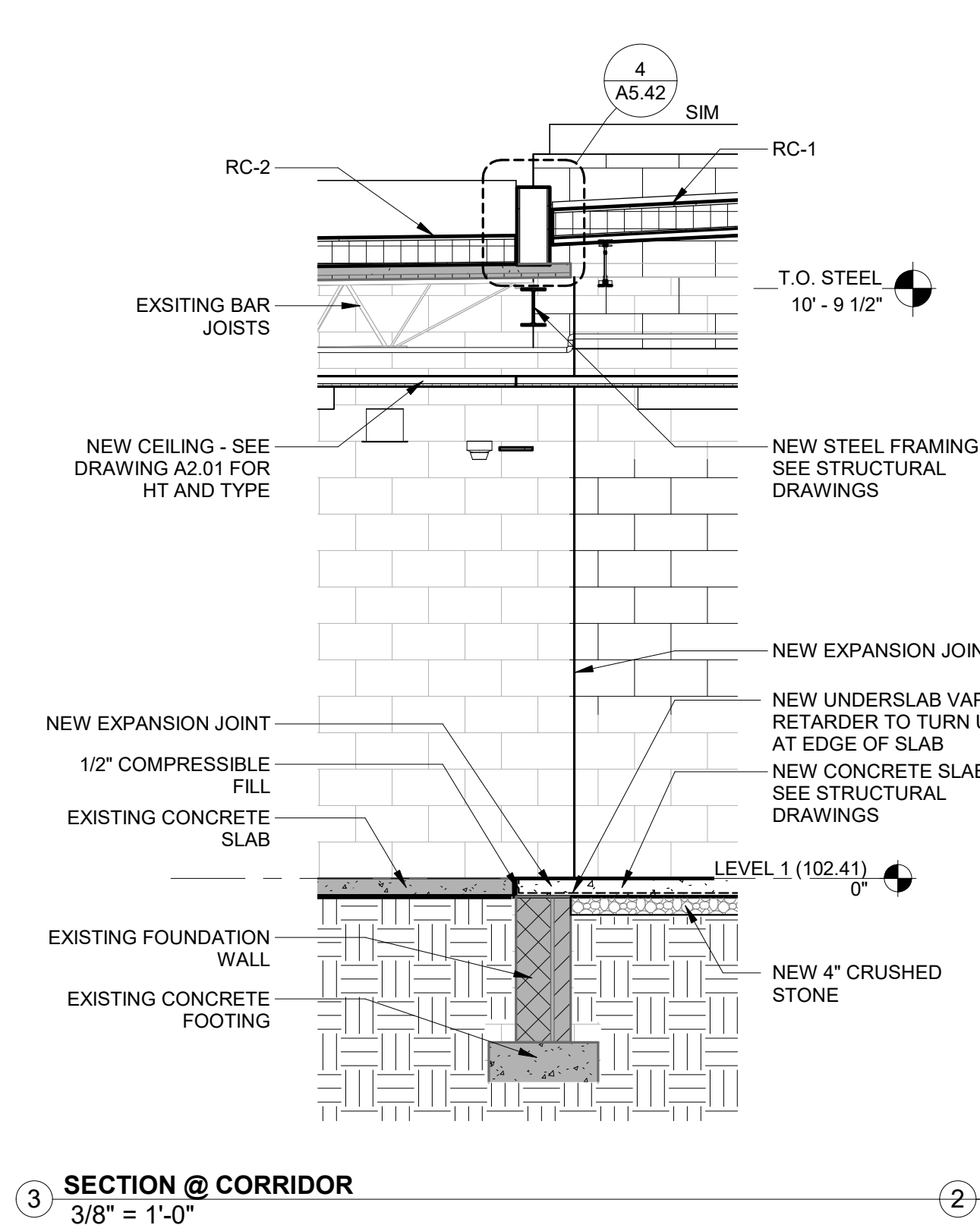
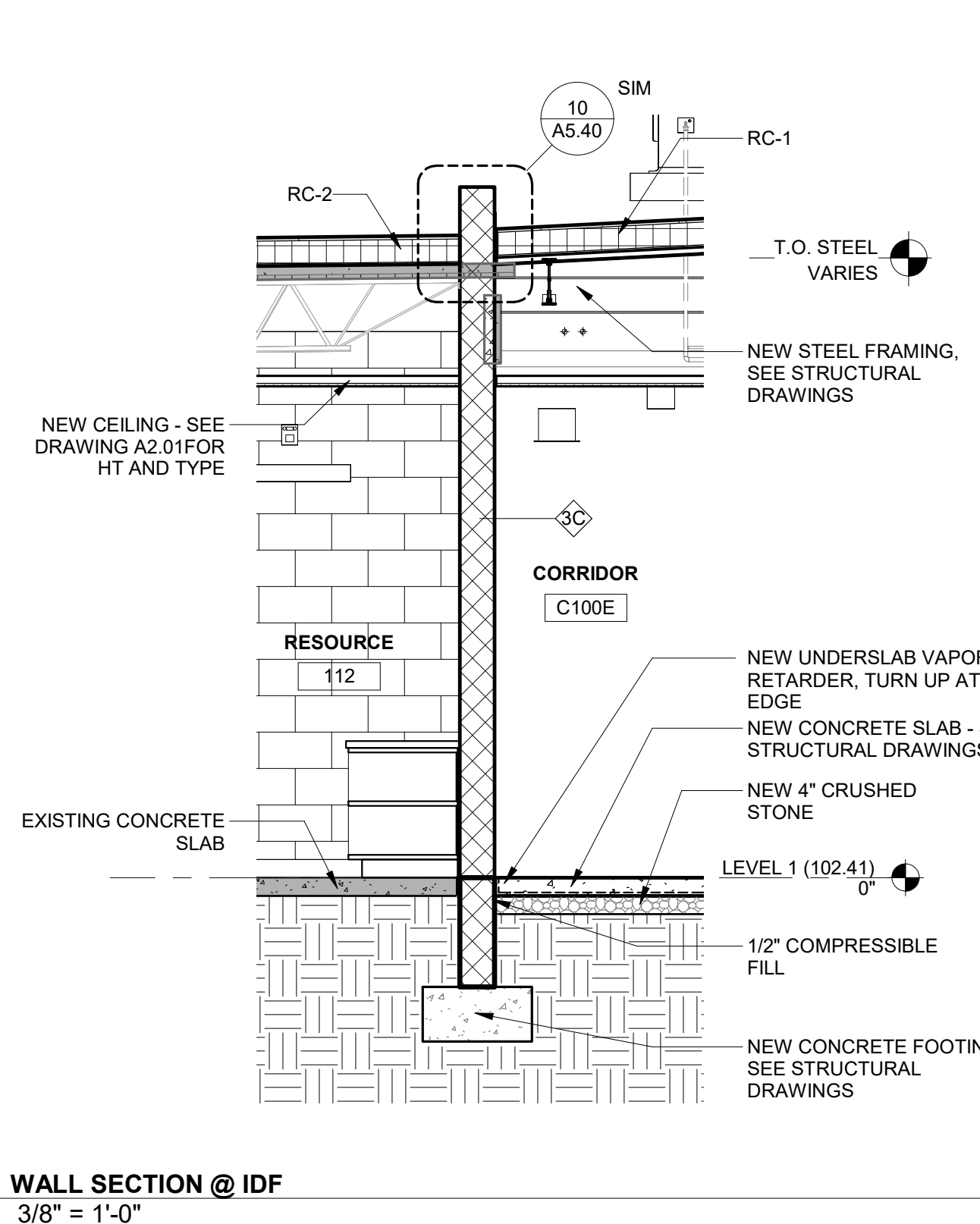
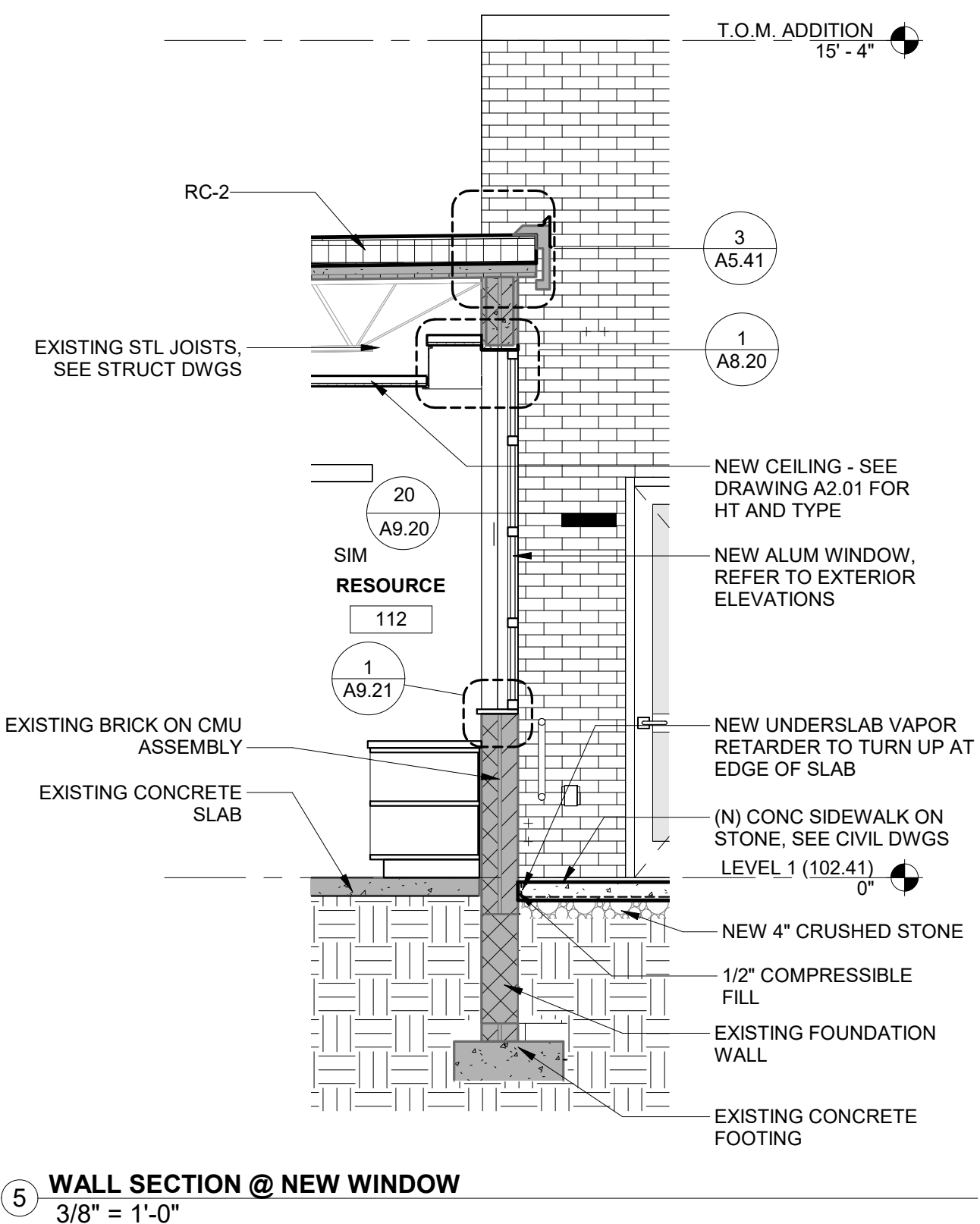
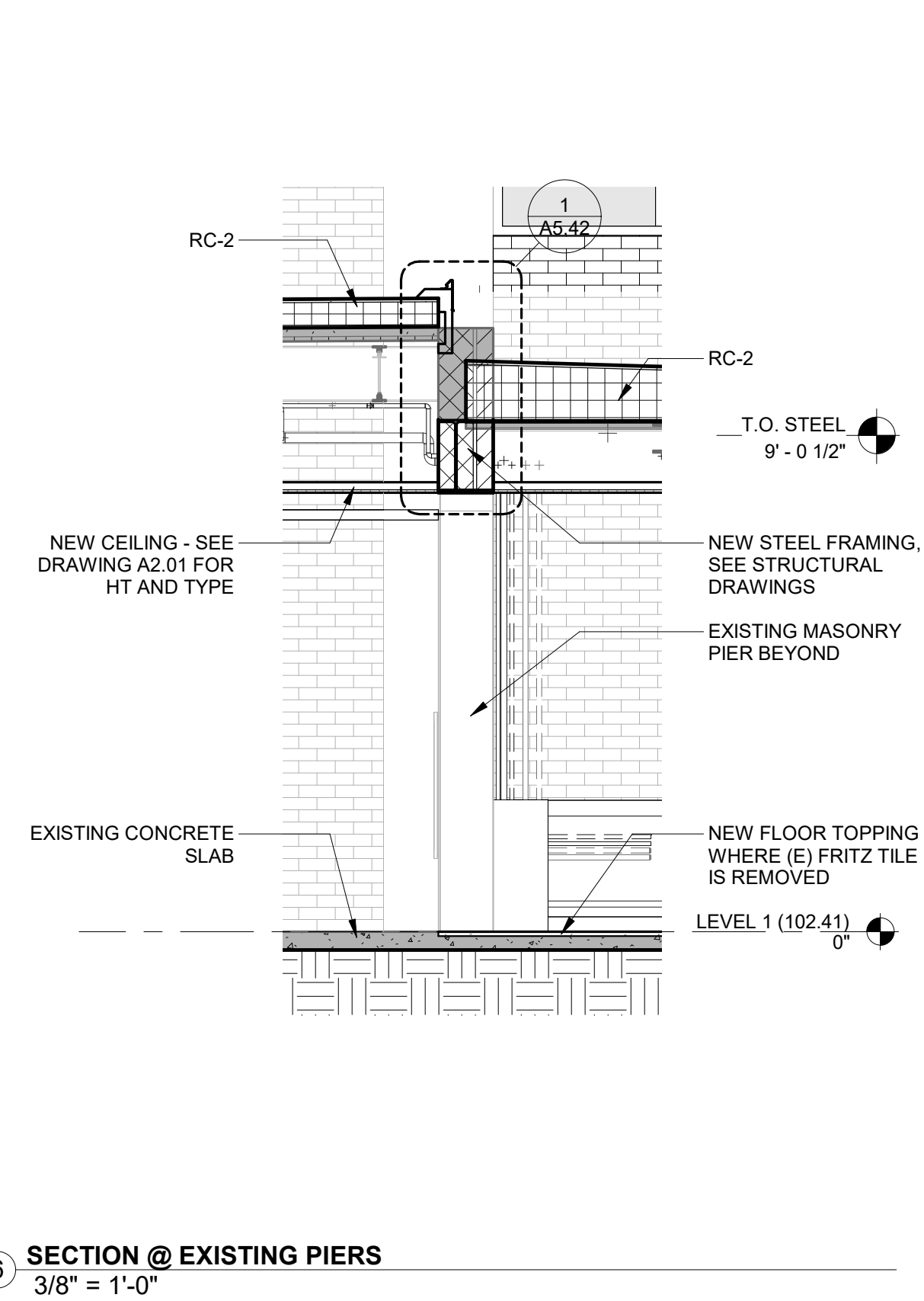
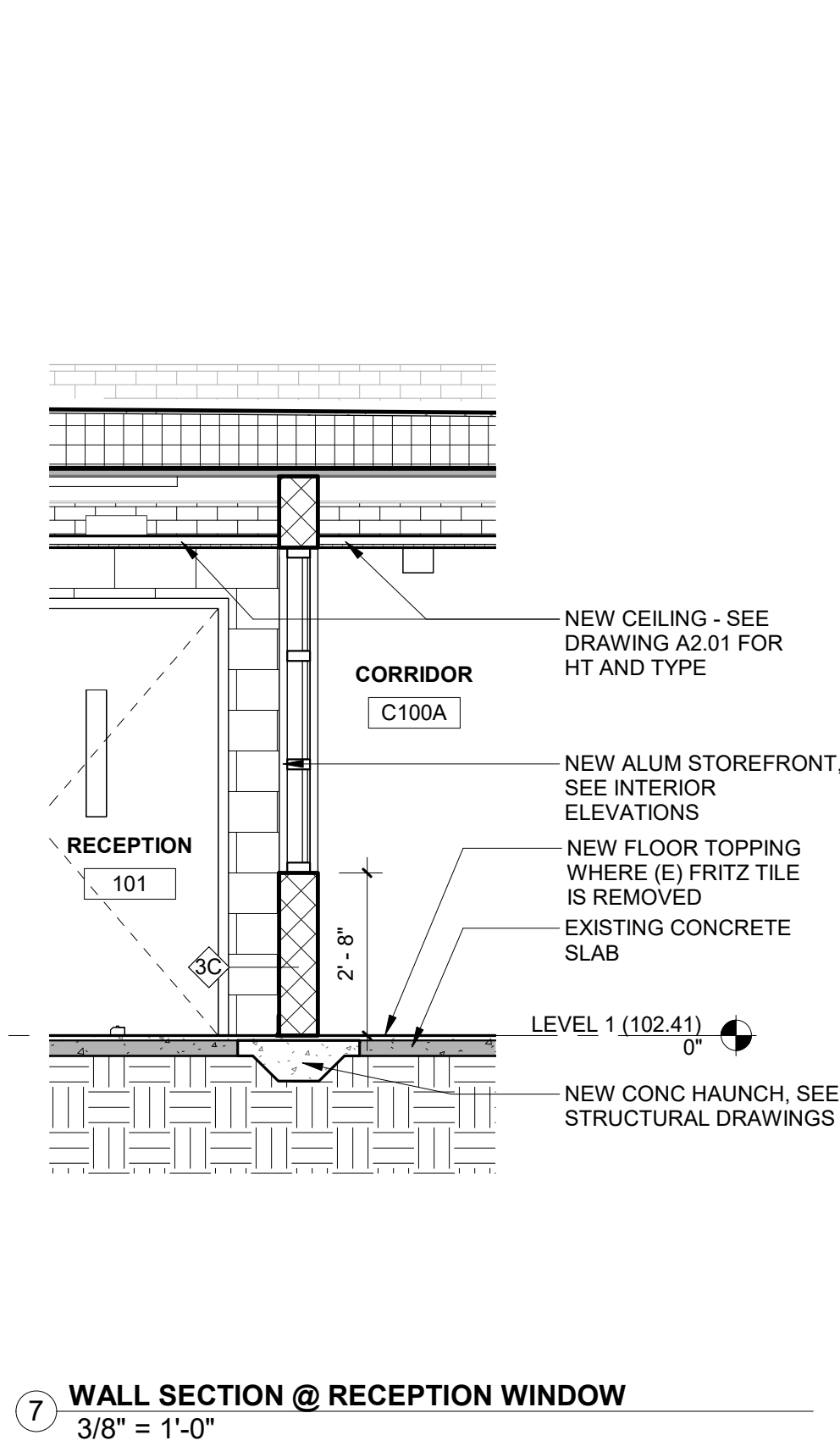
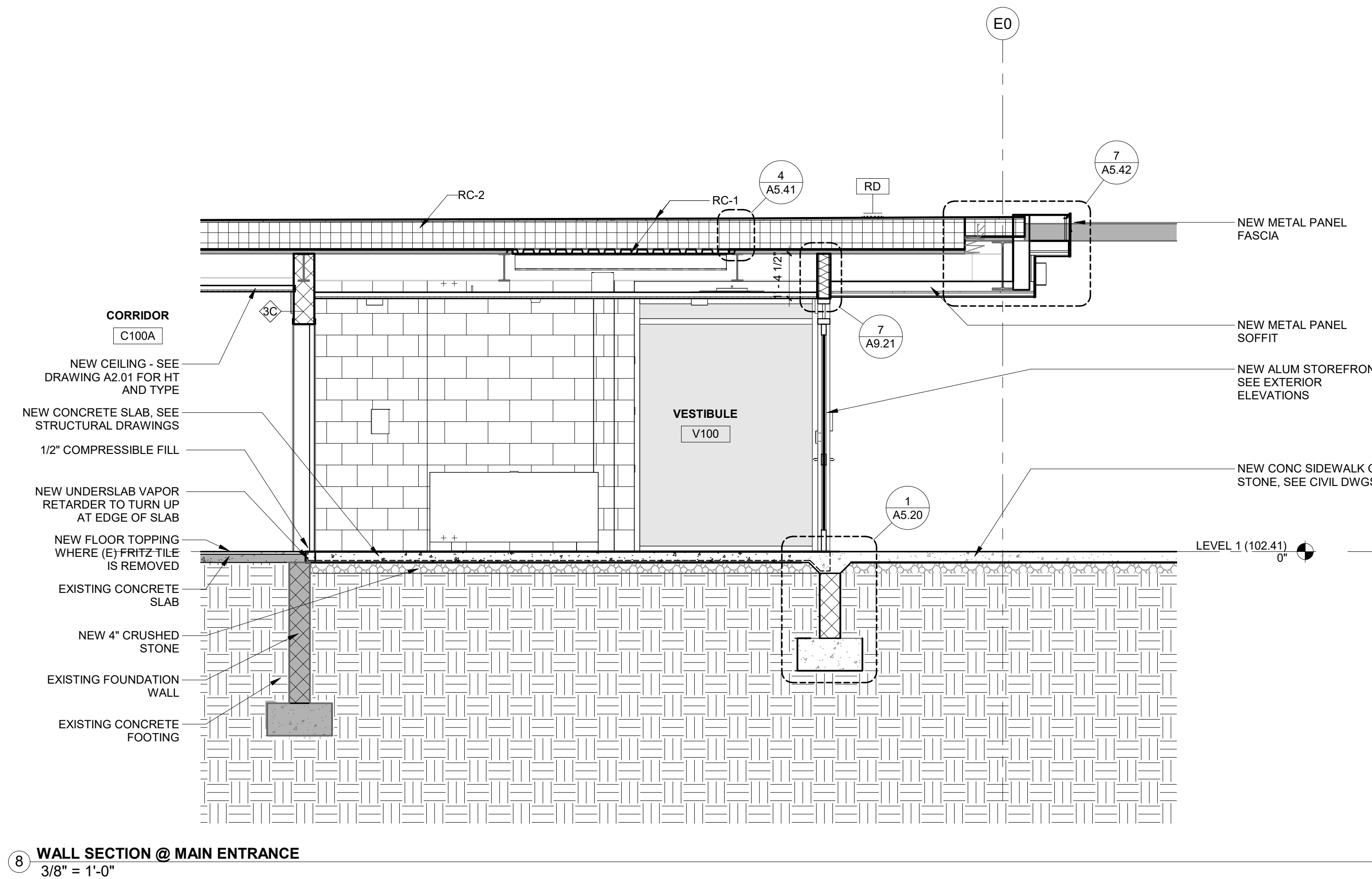
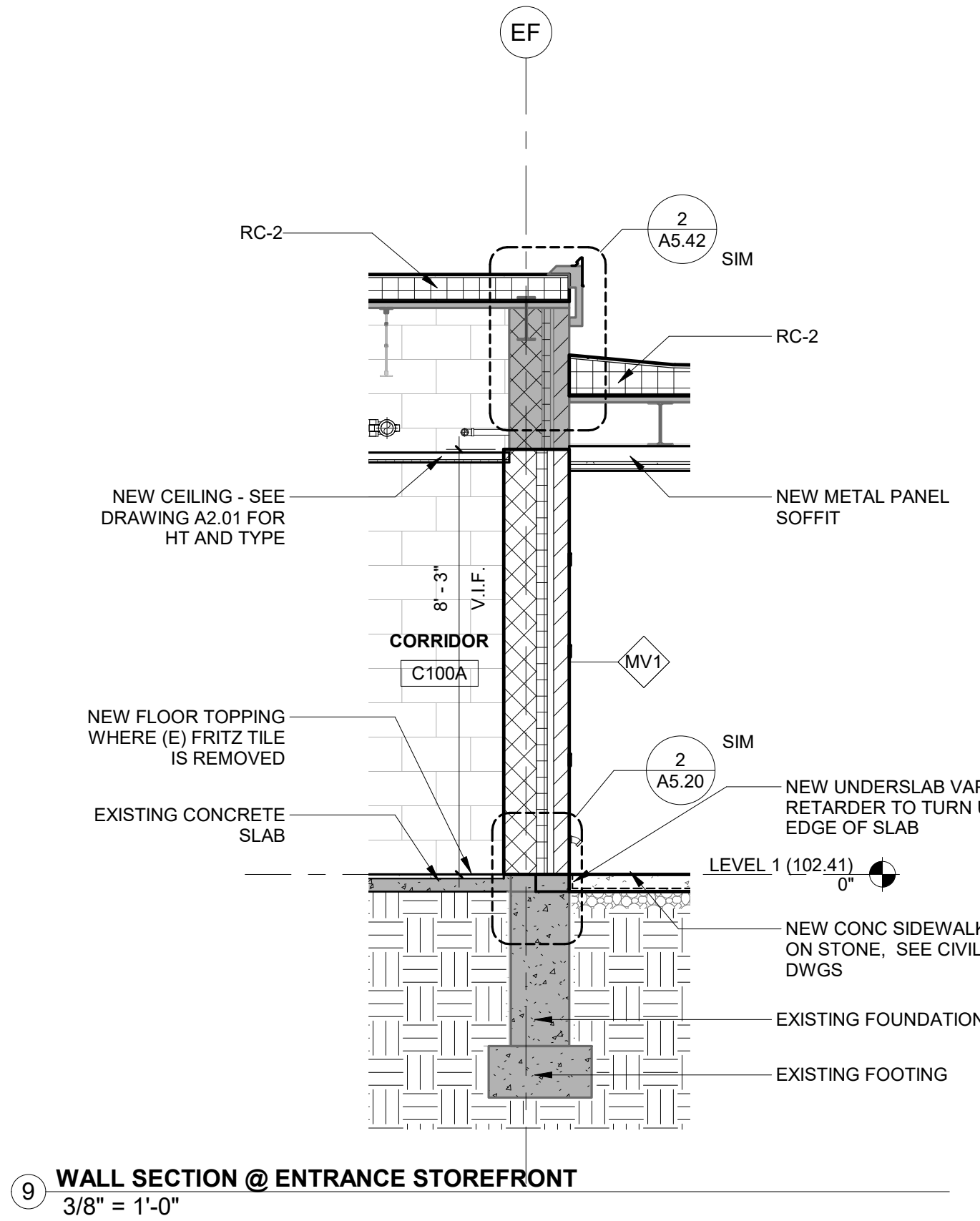
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Seal

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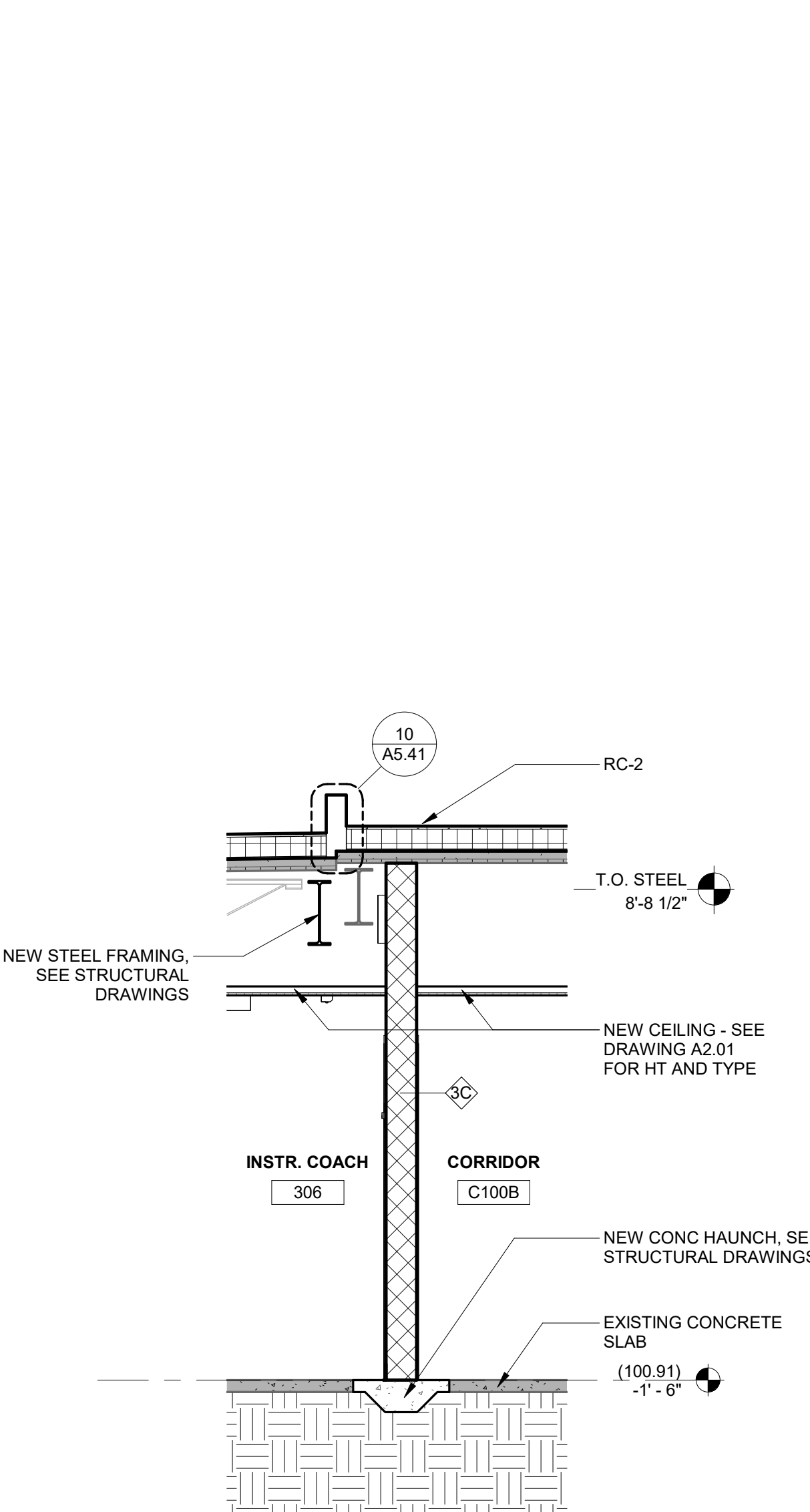
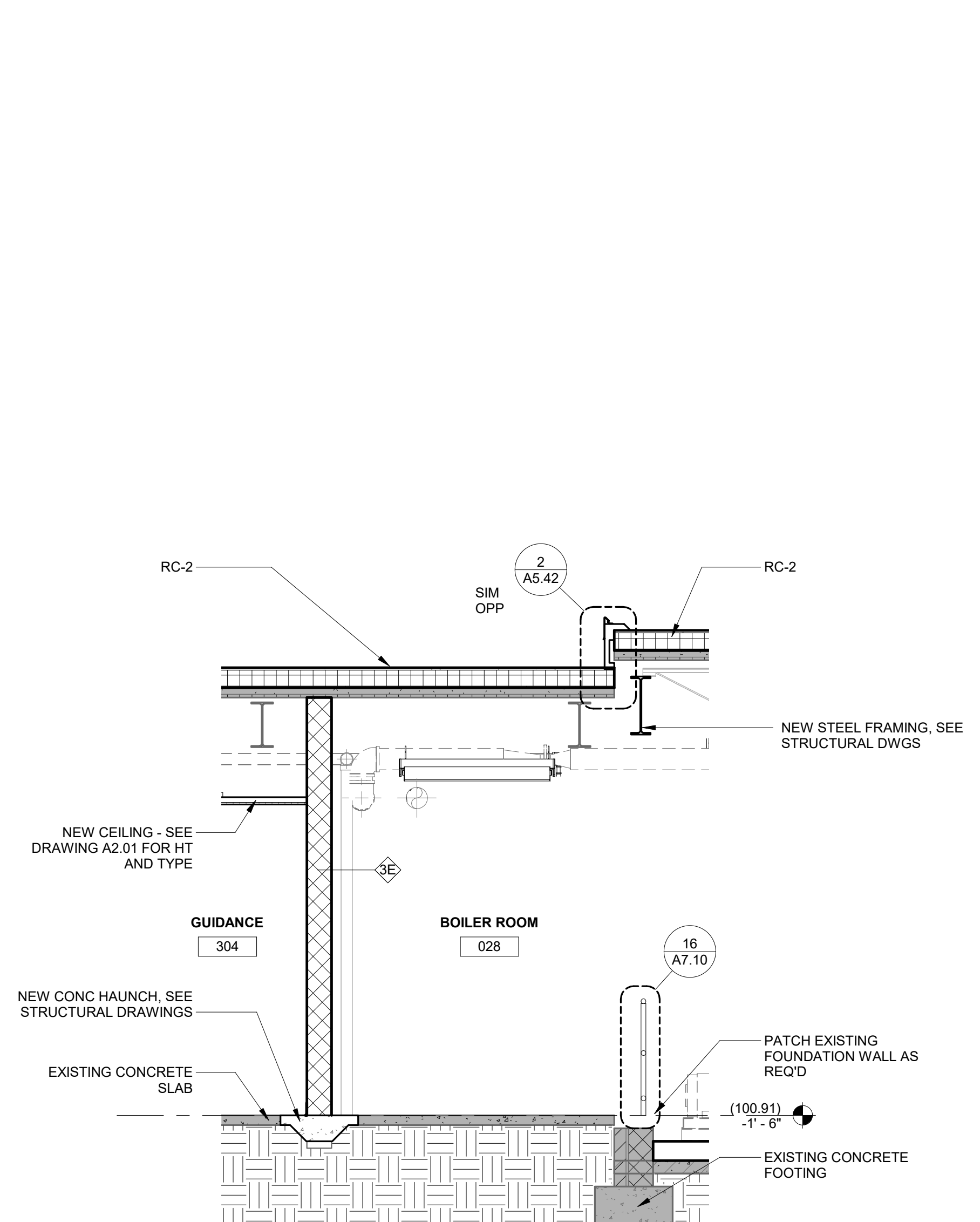
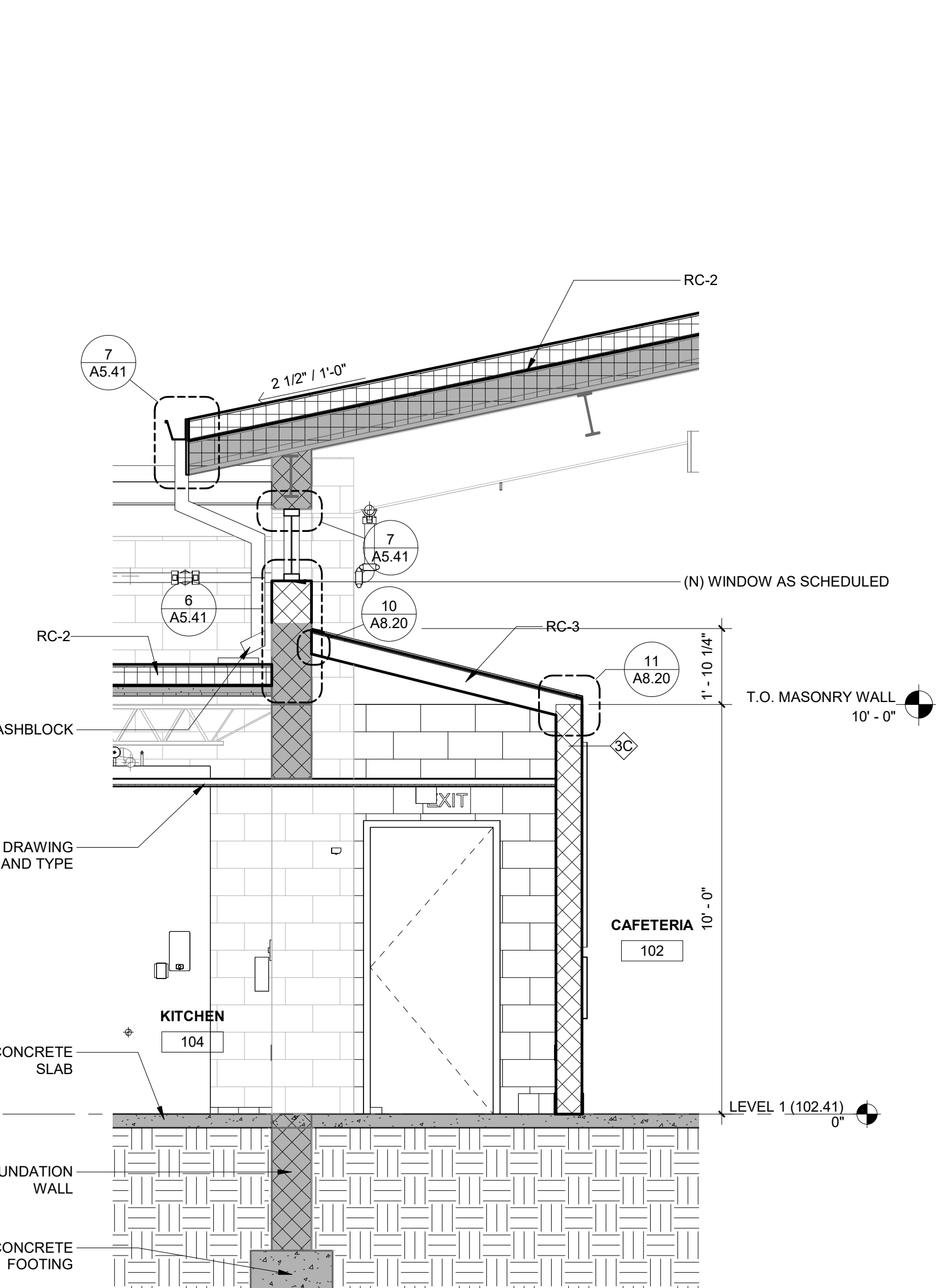
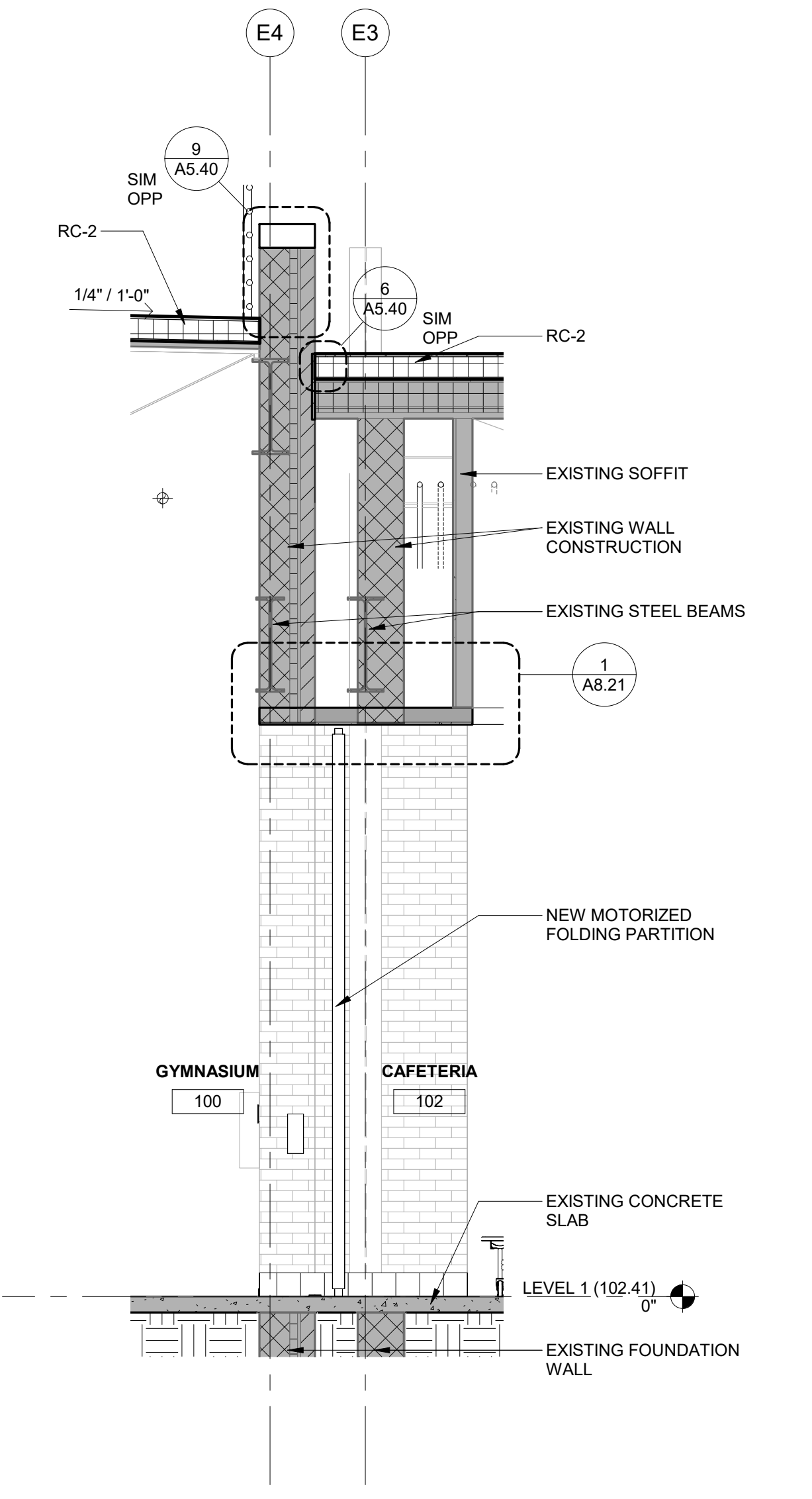
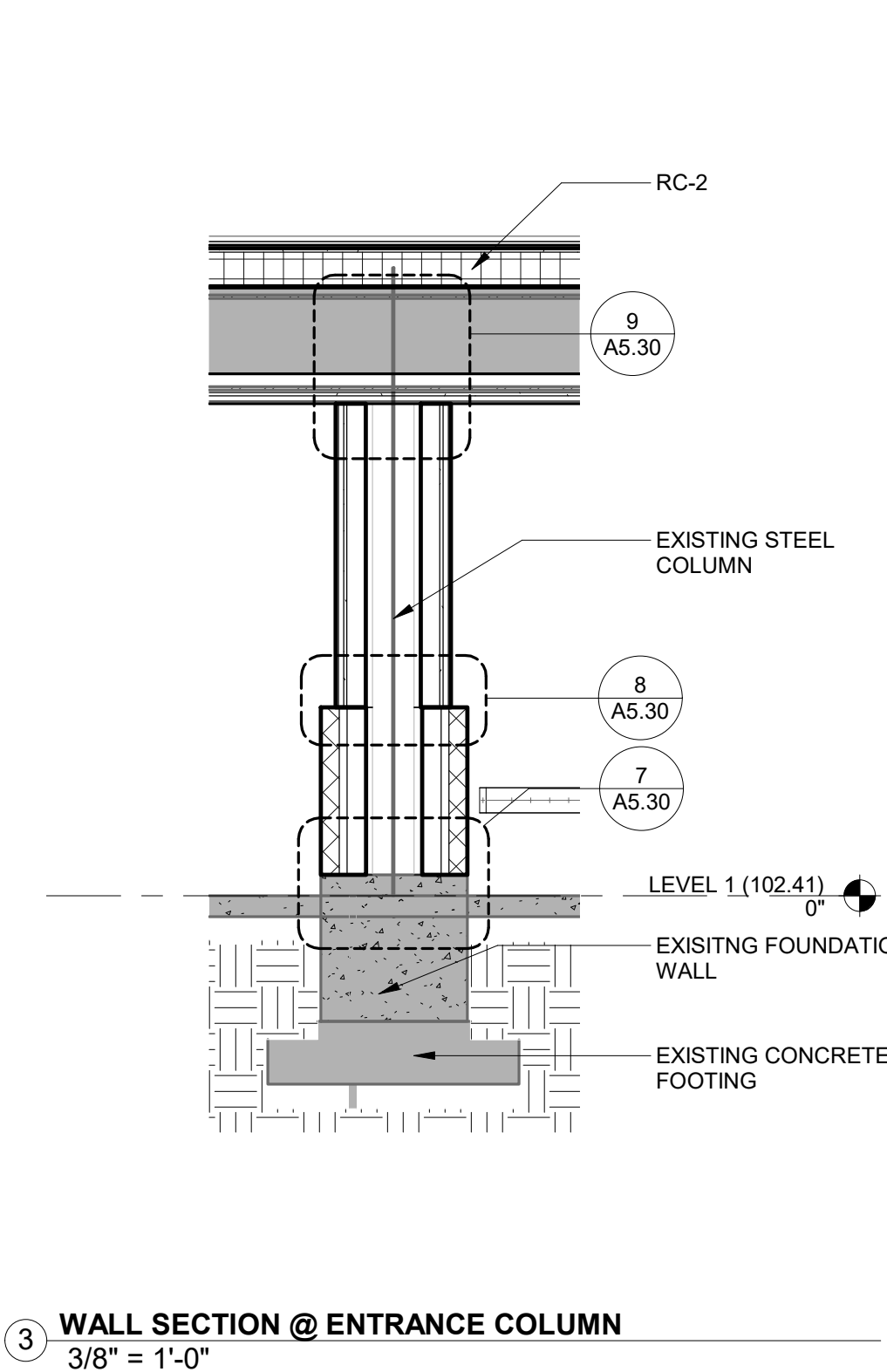
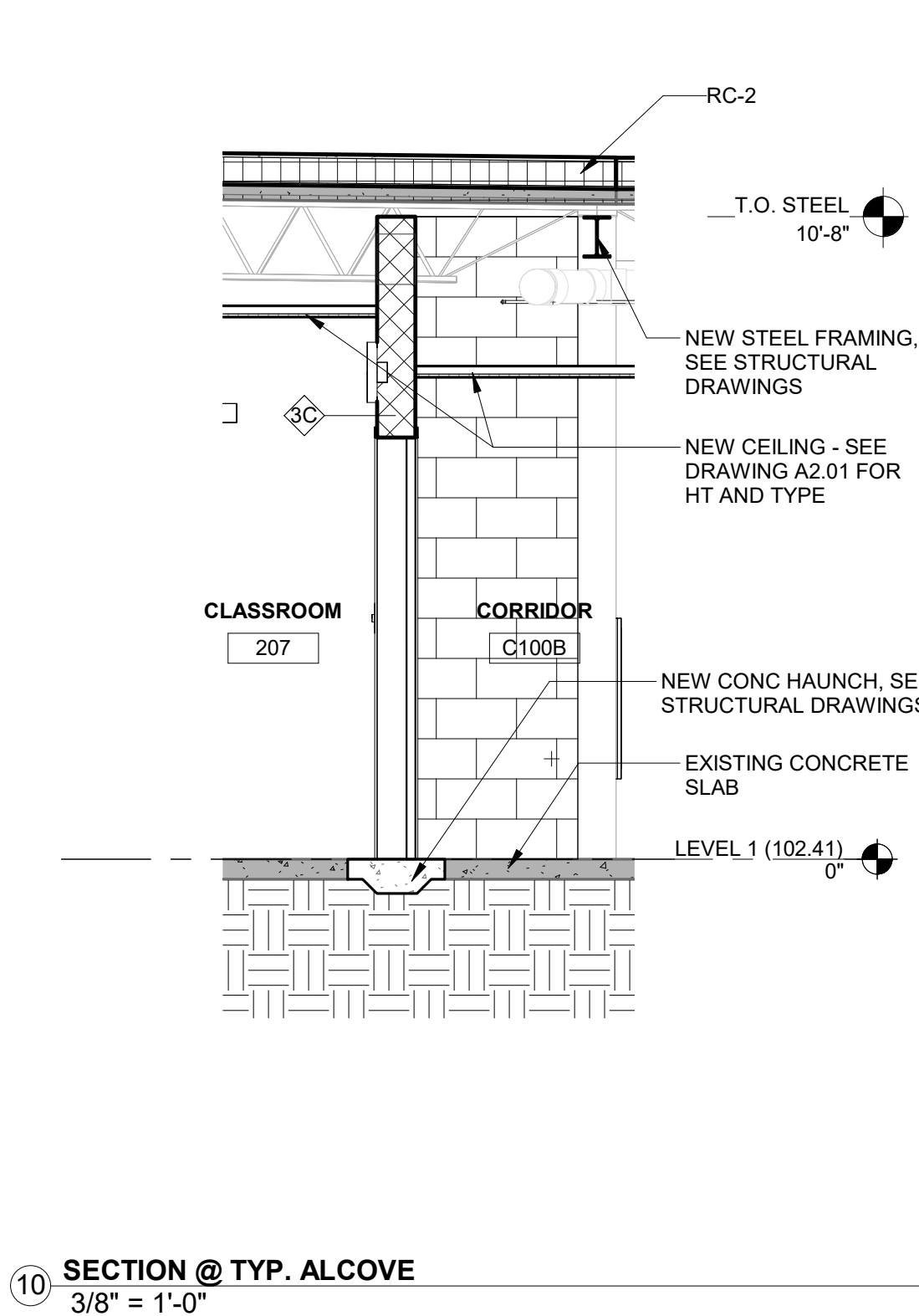
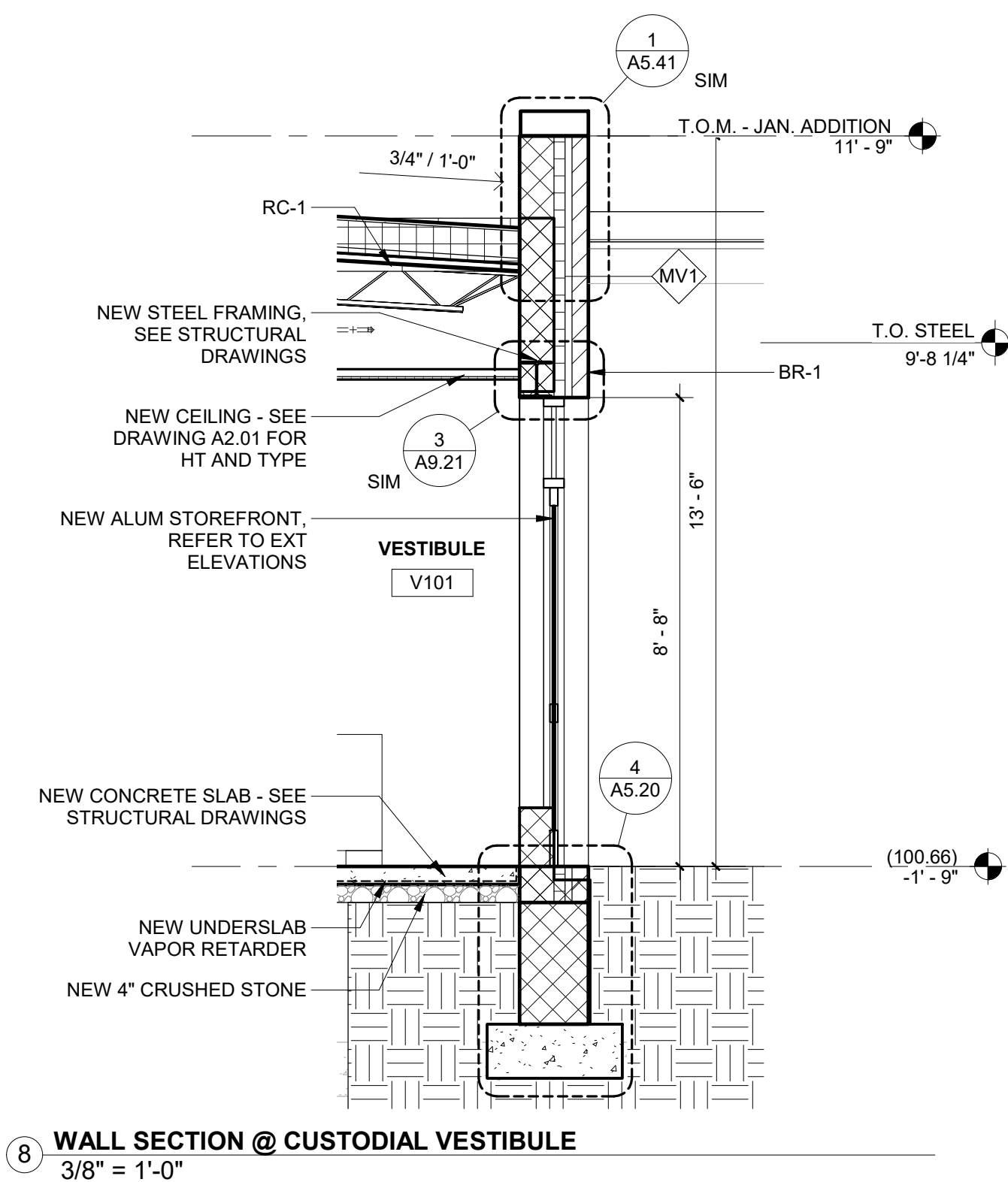
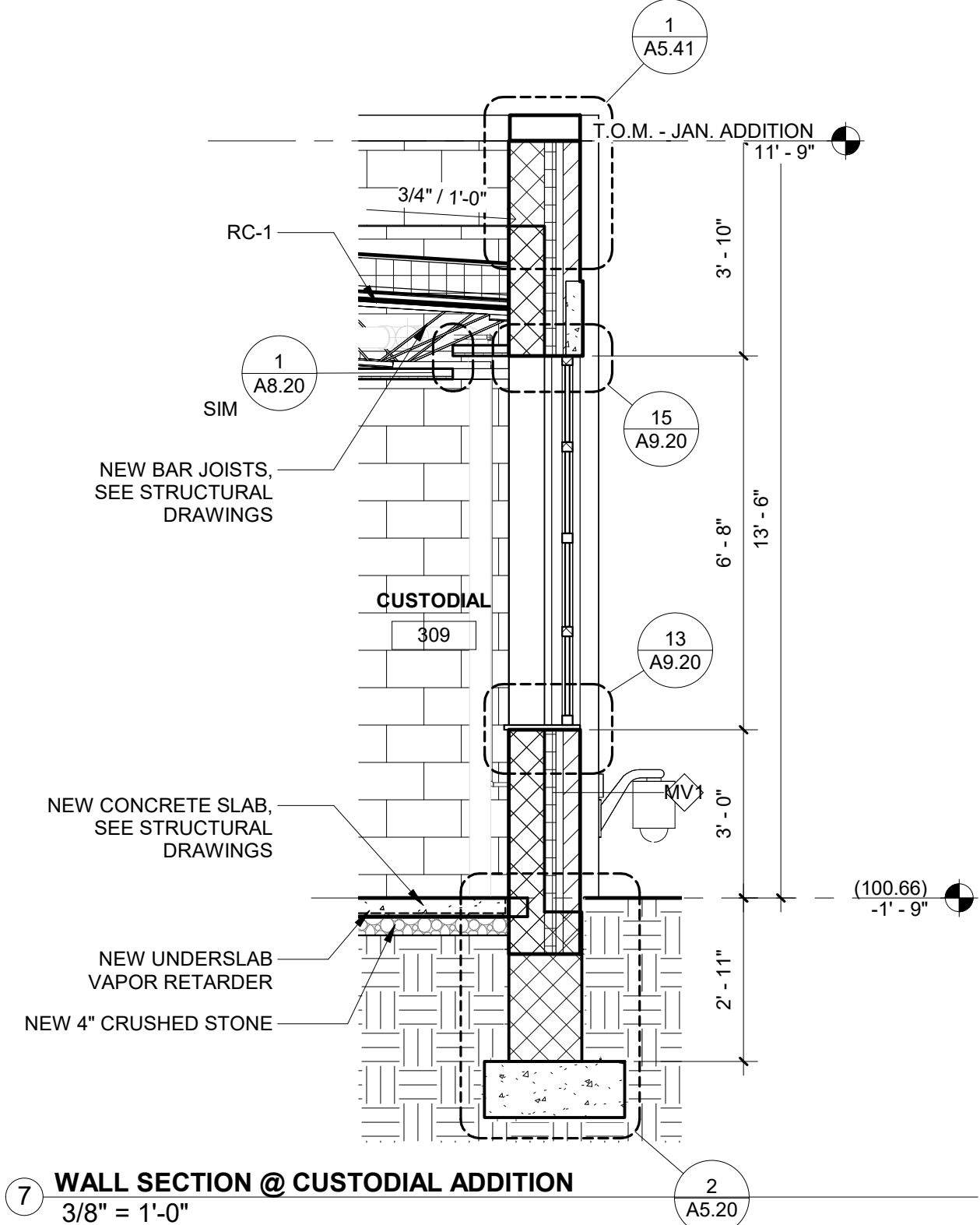
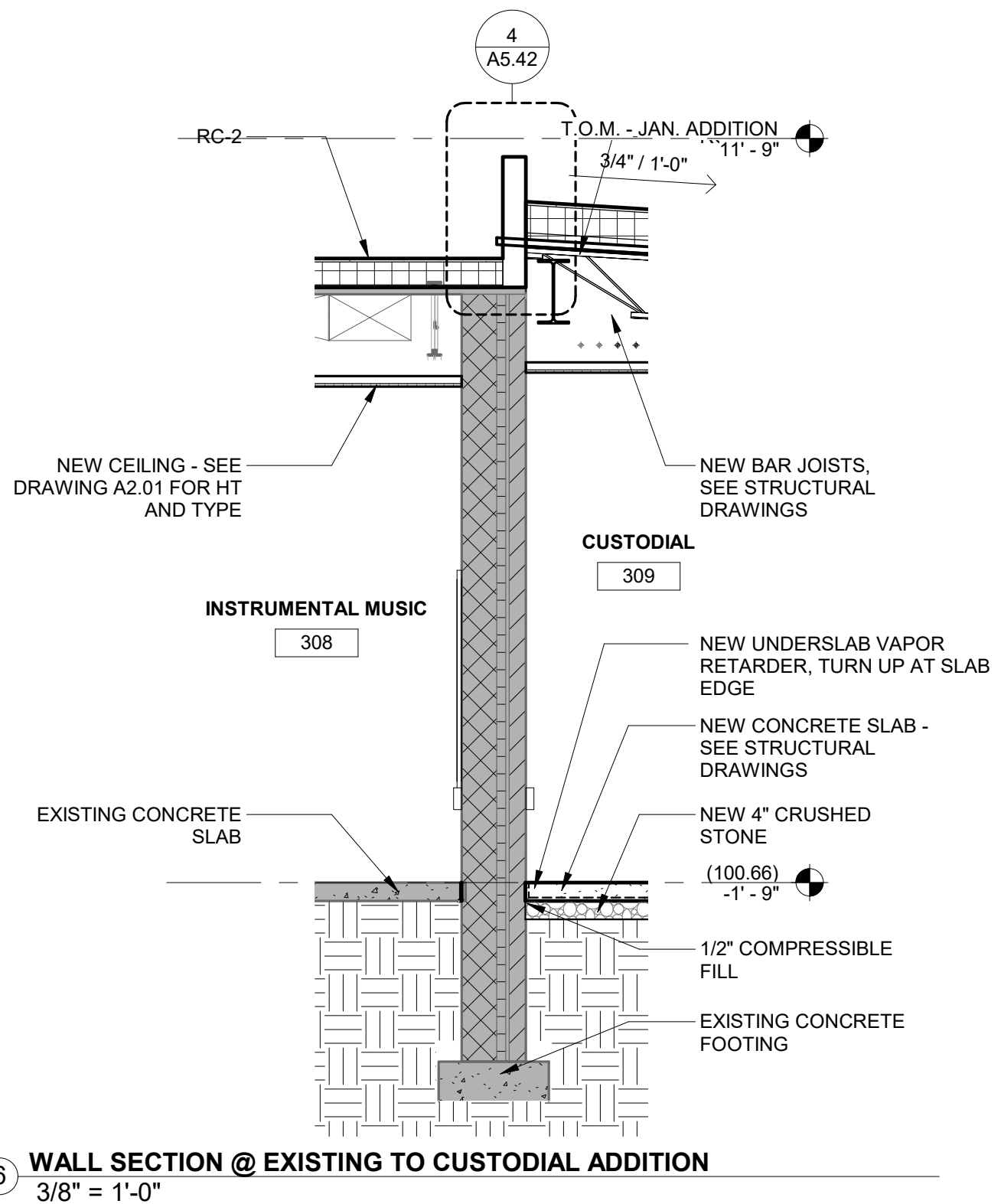
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	03.24.2023	SCHEMATIC DESIGN	△
	05.26.2023	DESIGN DEVELOPMENT	
	07.28.2023	60% CD SET	
	09.19.2023	90% CD SET	
	10.31.2023	BID SET	

BHA Job Number: 22-114
Scale: 3/8" = 1'-0"
Drawn By: BH
Checked By: NM
Approved By: DJ
Sheet No.

A5.11

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10/31/2023 5:27:51 PM

Project:
**Mary C. Howse
Elementary**

Project Address:
**641 Boot Road
West Chester, PA 19380**

Sheet Title:
WALL SECTIONS

Seal

DUTY TO INSPECT CONTRACT DOCUMENTS PRIOR TO STARTING WORK

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	10.31.2023	BID SET	

BHA Job Number: 22-114

Scale: 3/8" = 1'-0"

Drawn By: BH

Checked By: NM

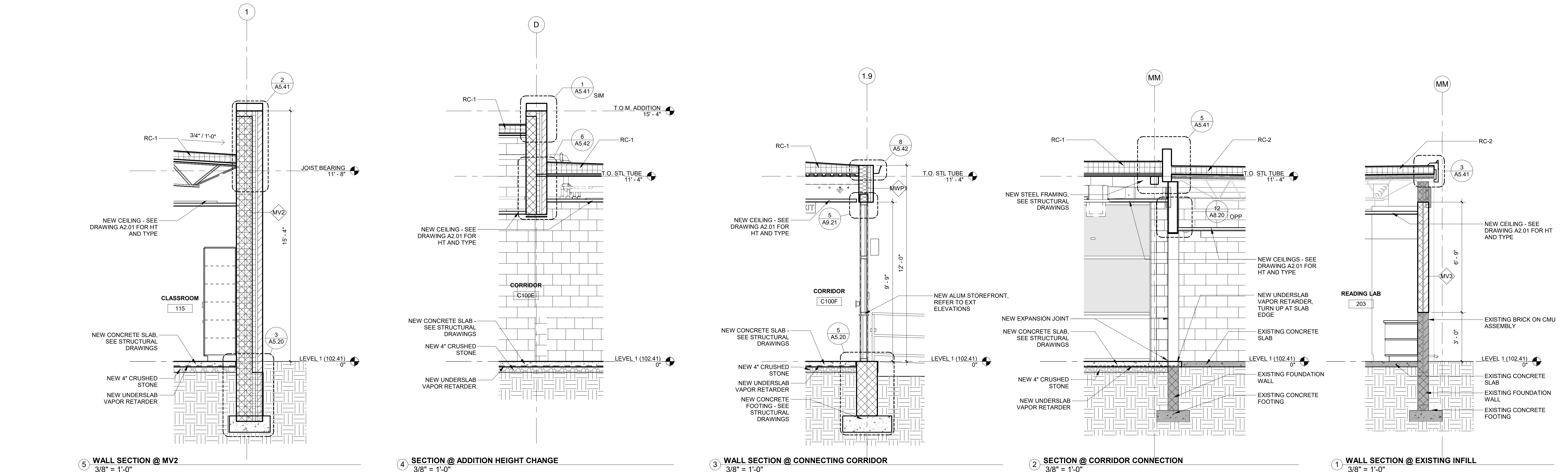
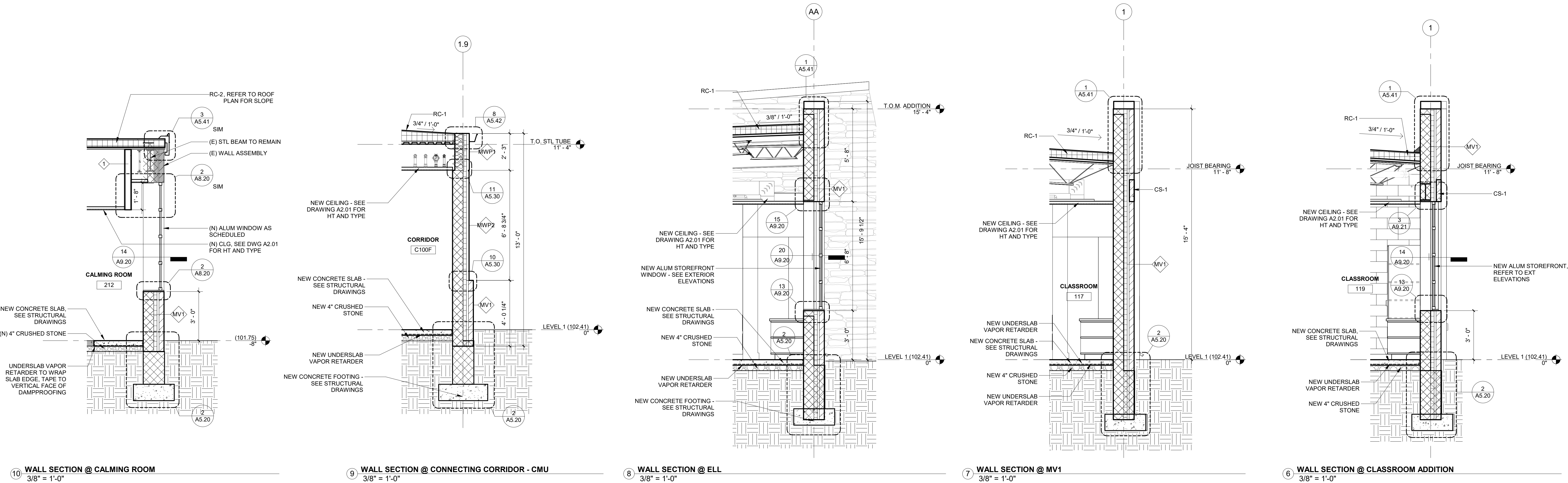
Approved By: DJ

Sheet No.

A5.12

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West Chester Area School District
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CONTACT PERSON: Damon Gonzaga

CIVIL ENGINEER
Stantec Consulting Services
phone: 610.840.2500
CONTACT PERSON: Charles J. Olivo, PE

STRUCTURAL ENGINEER
Baker, Ingram & Associates
phone: 856.310.1491
CONTACT PERSON: Brian D. McGlade, PE

MEP & FP
Snyder Hoffman Associates, Inc
phone: 610.694.8020
CONTACT PERSON: Jeff Machik, PE

Project:
Mary C. Howse Elementary

Project Address:
**641 Boot Road
West Chester, PA 19380**

Sheet Title:
FOUNDATION DETAILS

Seal

DUTY TO INSPECT CONTRACT DOCUMENTS PRIOR TO STARTING WORK

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	05.26.2023	DESIGN DEVELOPMENT	
	07.28.2023	60% CD SET	
	09.19.2023	90% CD SET	
	10.31.2023	BID SET	

BHA Job Number: 22-114

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

Drawn By: BH

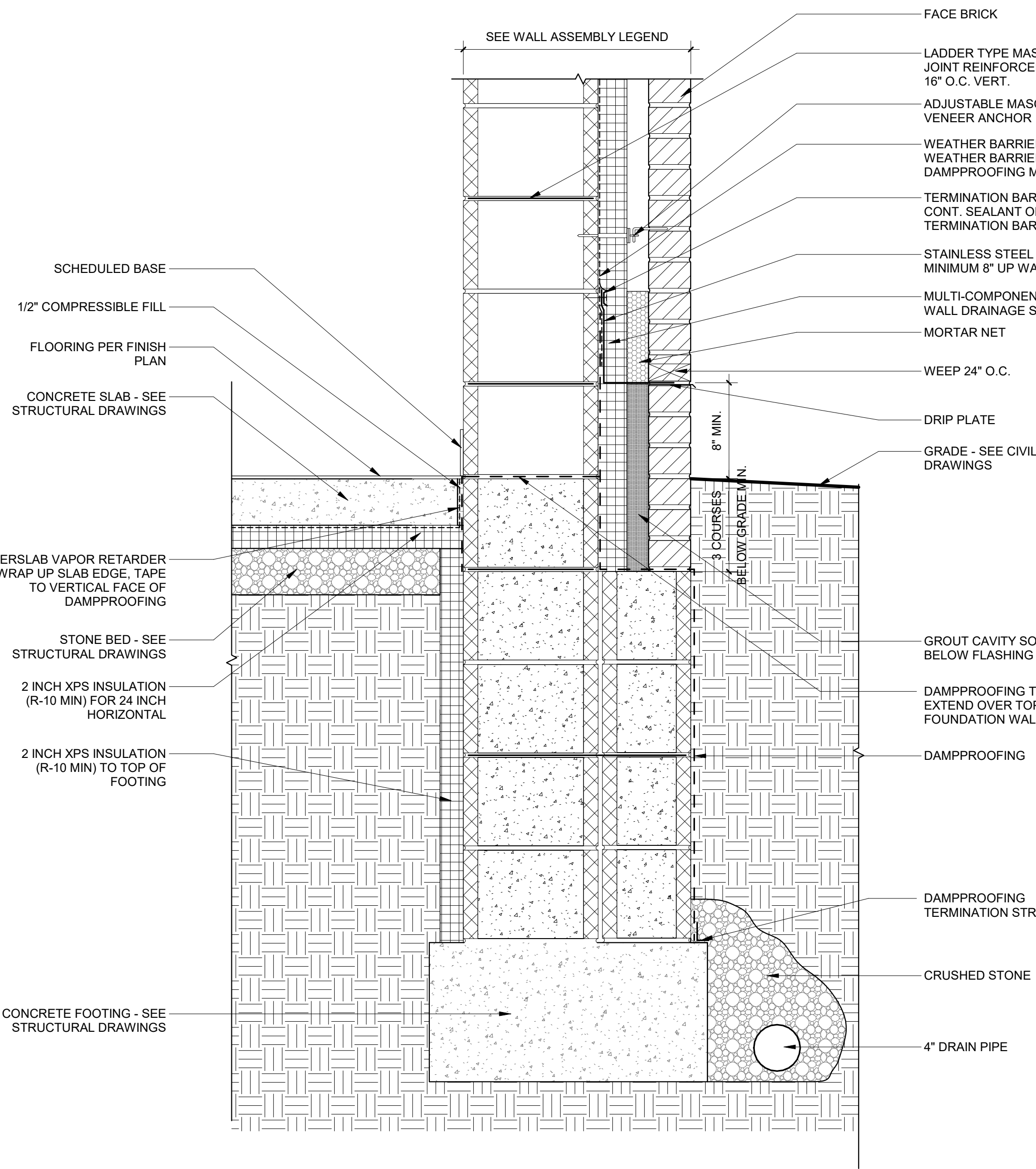
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Approved By: DJ

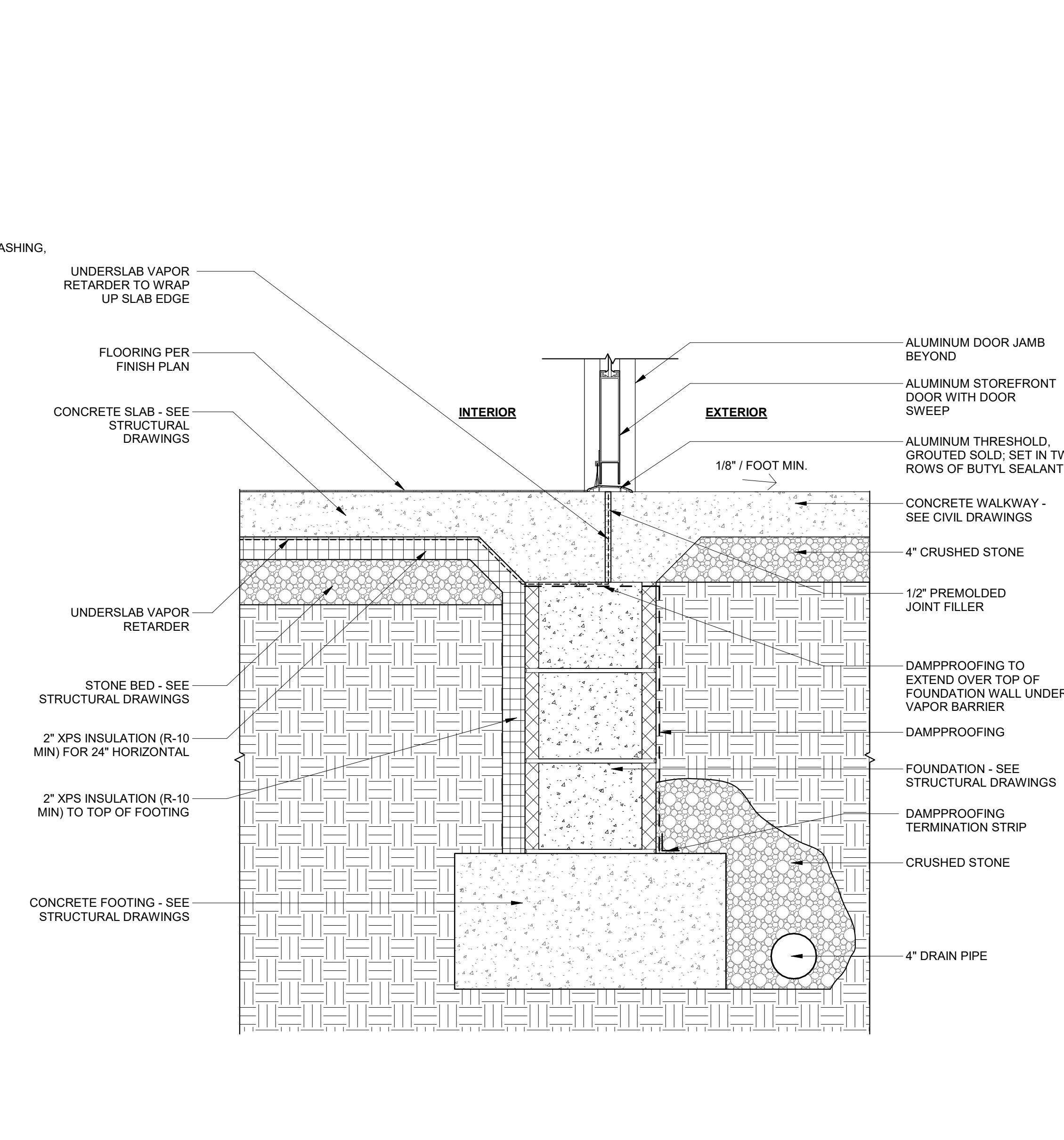
Sheet No.

A5.20

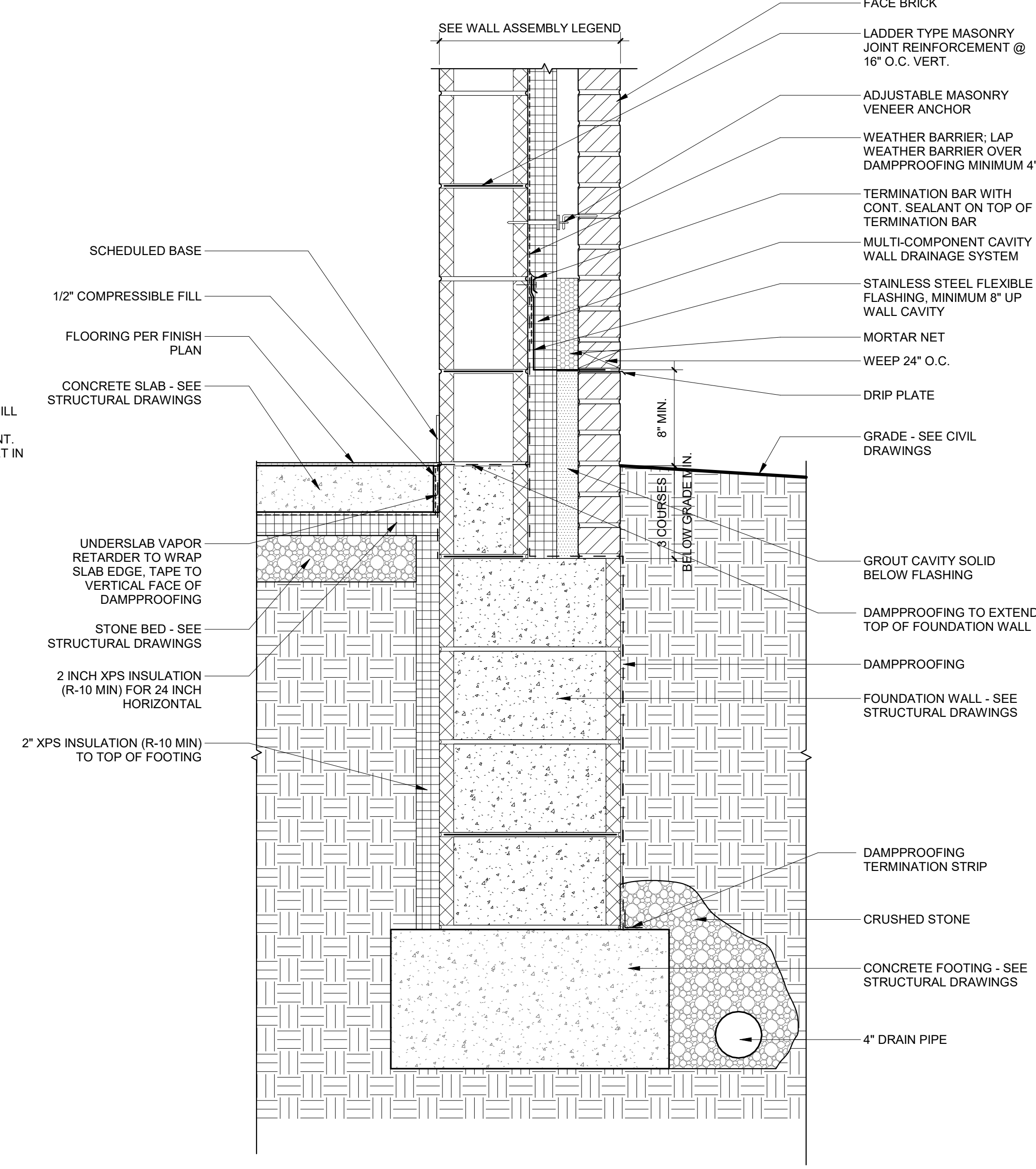
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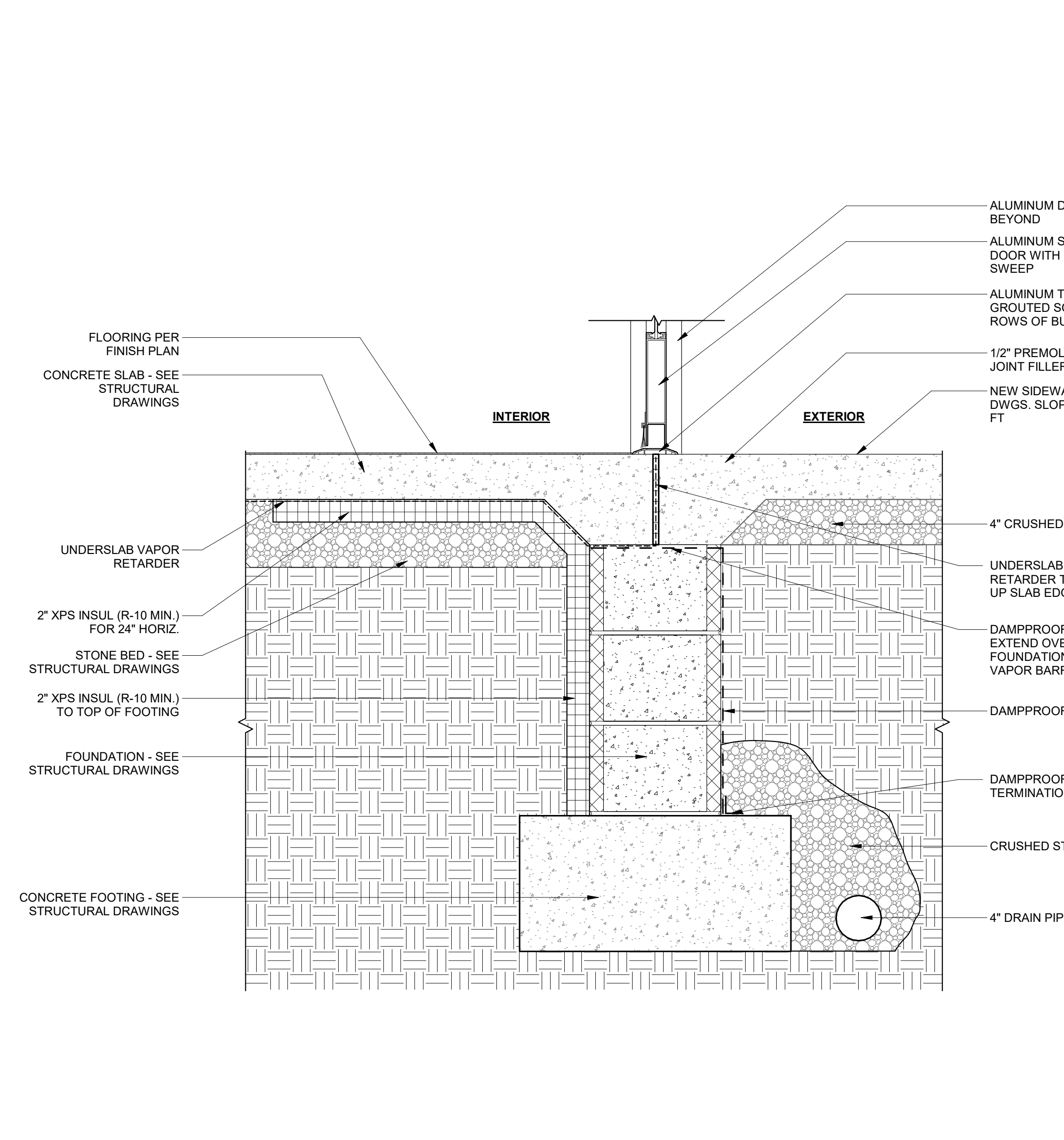
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1 1/2" = 1'-0"



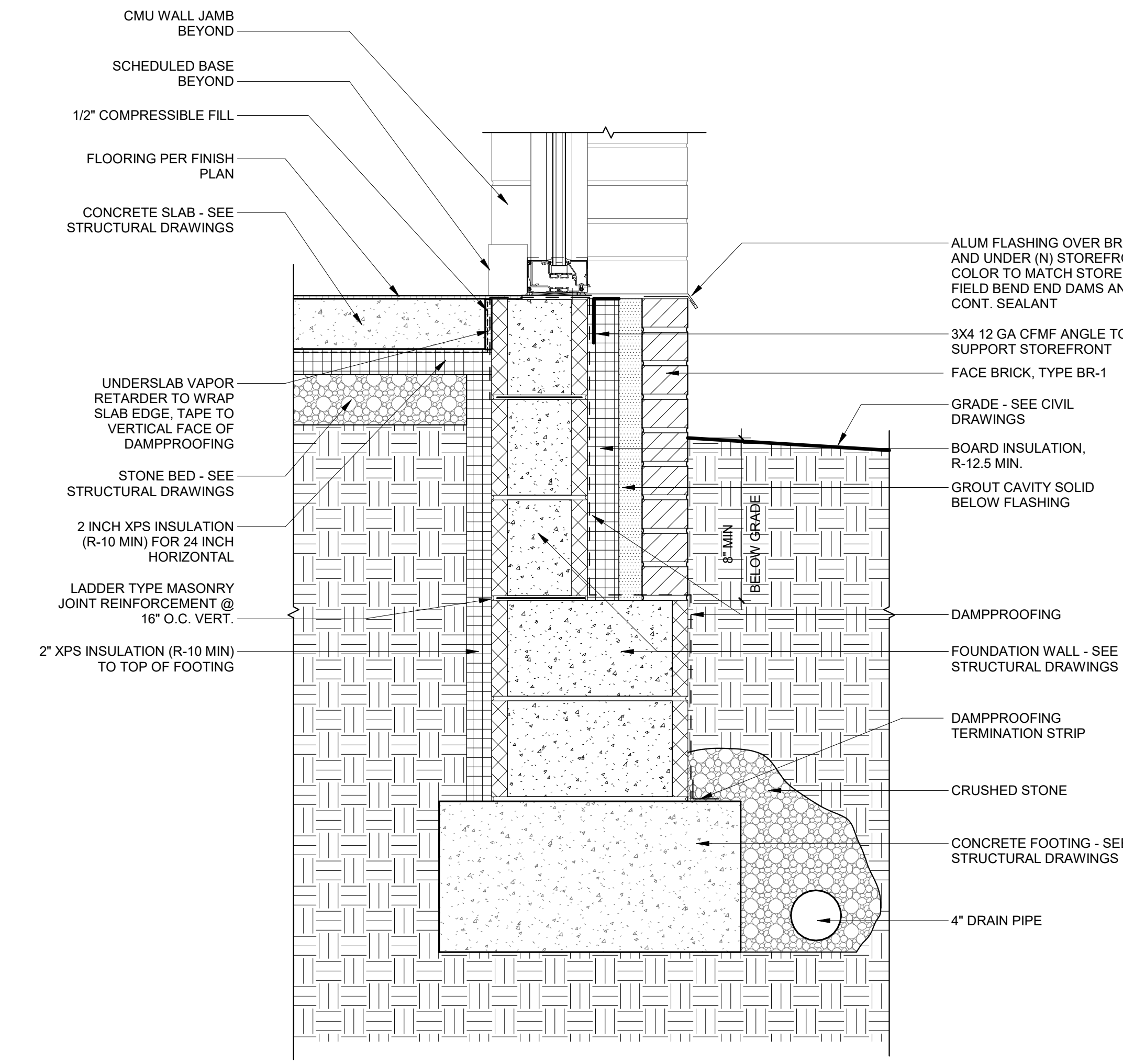
4 TYP. FOUNDATION DETAIL @ CORRIDOR THRESHOLD
1 1/2" = 1'-0"



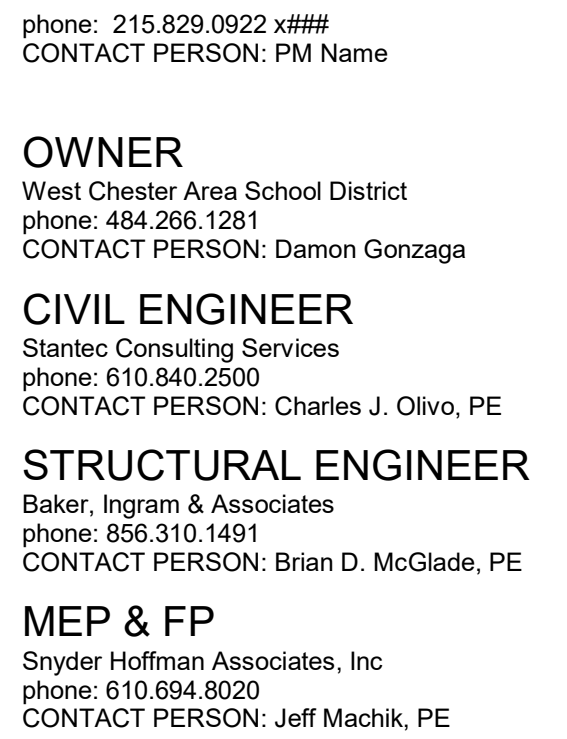
2 TYP. FOUNDATION DETAIL @ MV1
1 1/2" = 1'-0"



1 FOUNDATION DETAIL @ MAIN ENTRANCE
1 1/2" = 1'-0"



5 TYP. FOUNDATION DETAIL @ STOREFRONT
1 1/2" = 1'-0"



Mary C. Howse
Elementary

EXTERIOR SECTION DETAILS

[illegible]

A5 30

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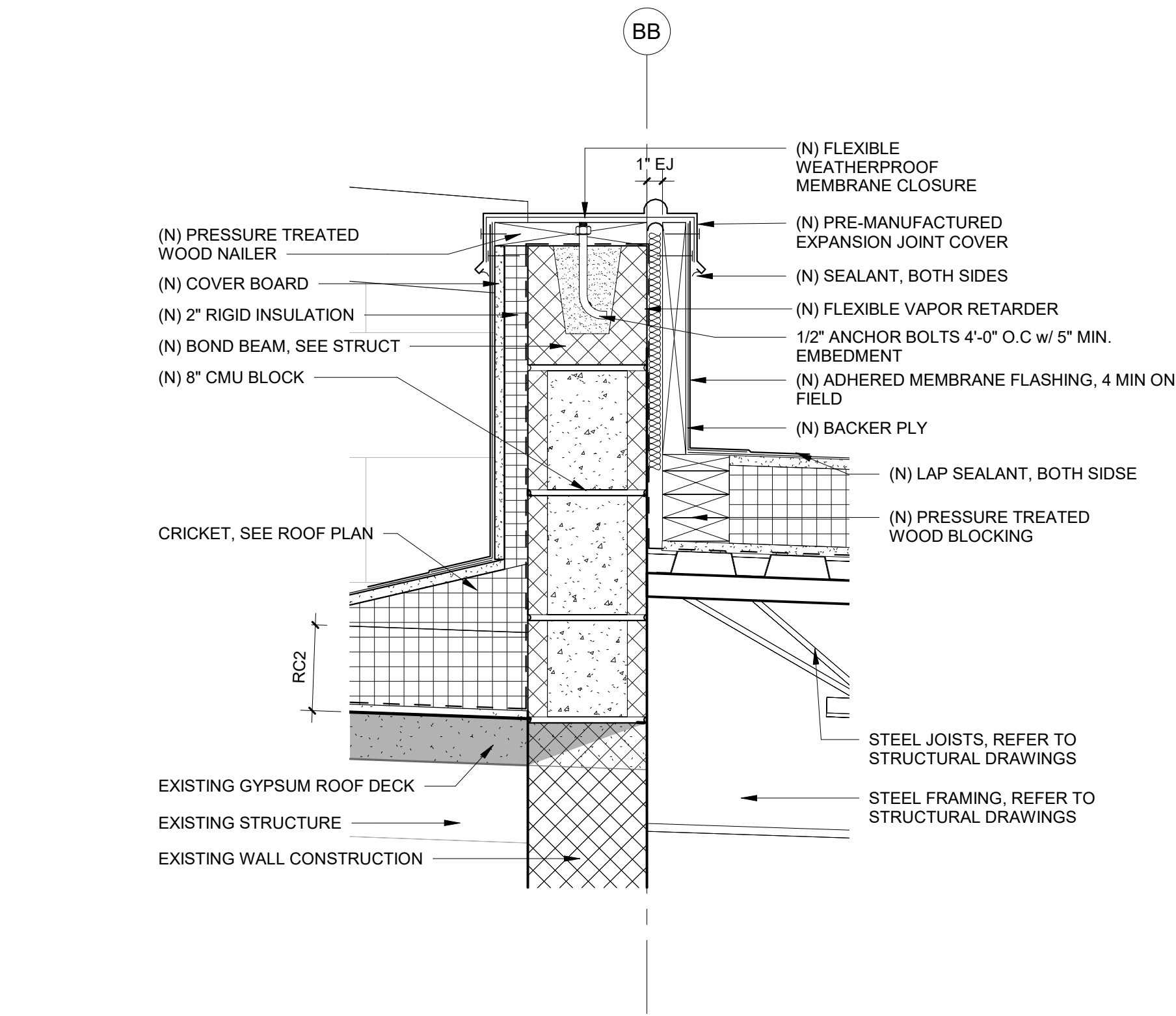
phone: 215.829.0922 x###
CONTACT PERSON: PM Name

OWNER
West Chester Area School District
phone: 484.266.1281
CONTACT PERSON: Damon Gonzaga

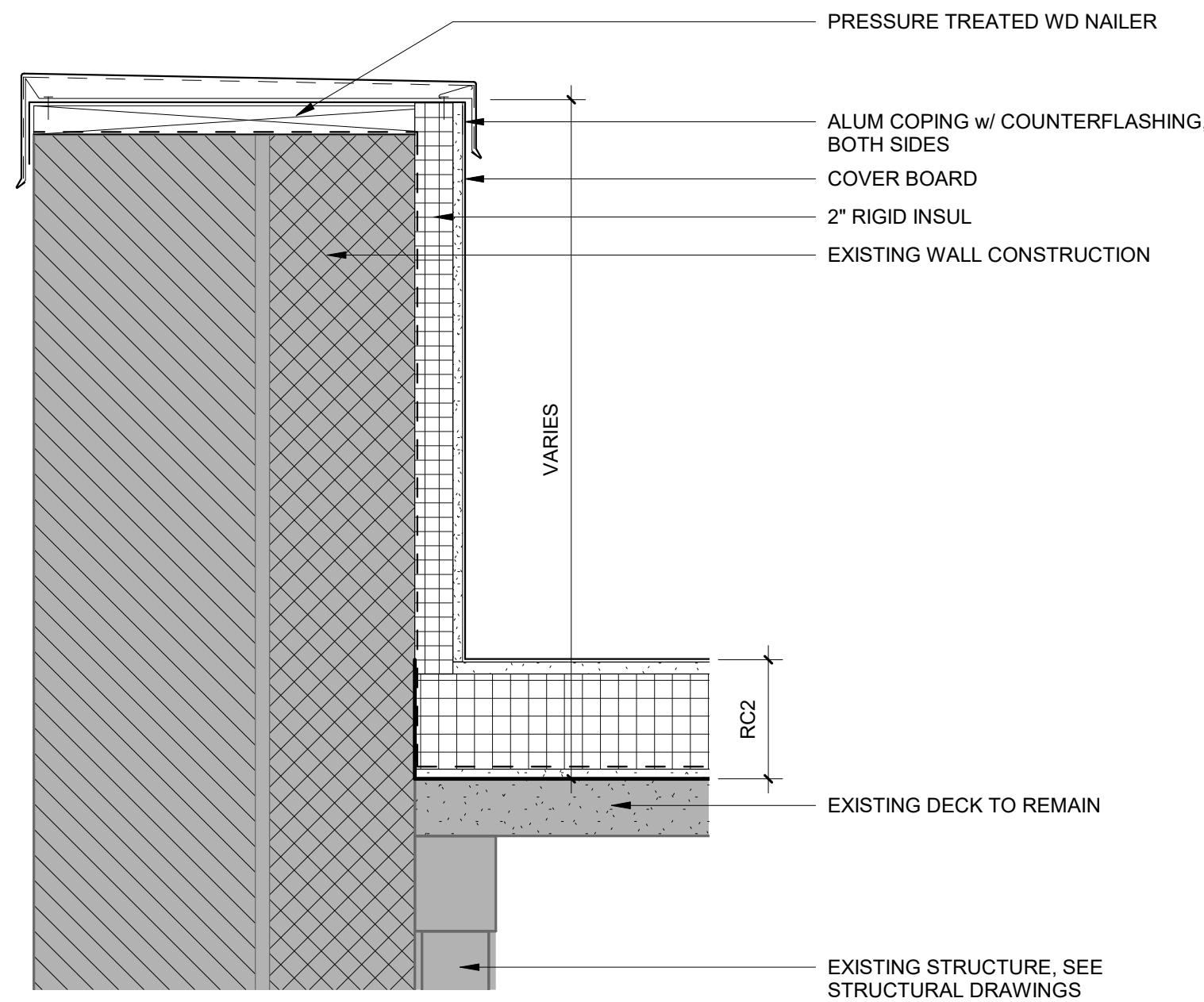
CIVIL ENGINEER
Stantec Consulting Services
phone: 610.840.2500
CONTACT PERSON: Charles J. Olivo, PE

STRUCTURAL ENGINEER
Baker, Ingram & Associates
phone: 856.310.1491
CONTACT PERSON: Brian D. McGlade, PE

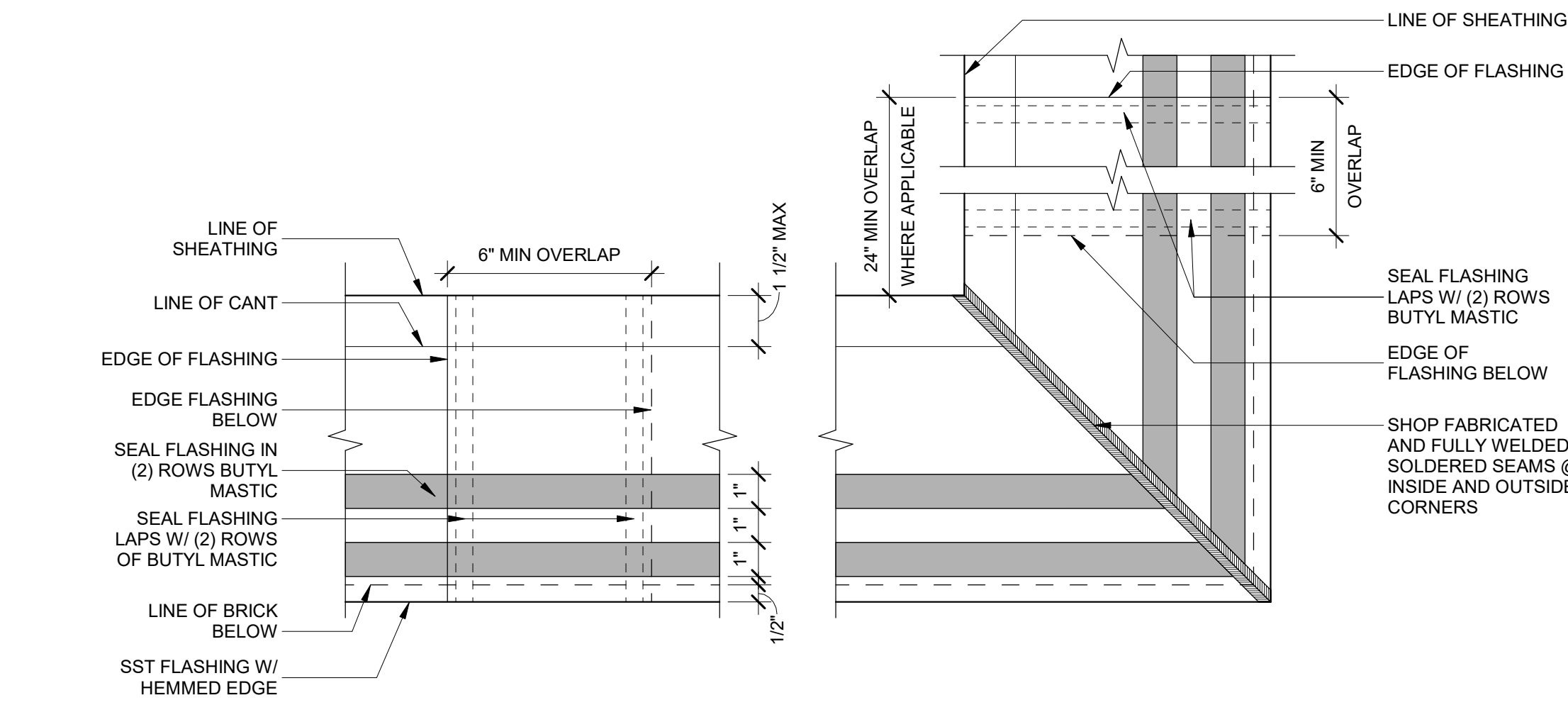
MEP & FP
Snyder Hoffman Associates, Inc.
phone: 610.694.8020
CONTACT PERSON: Jeff Machik, PE



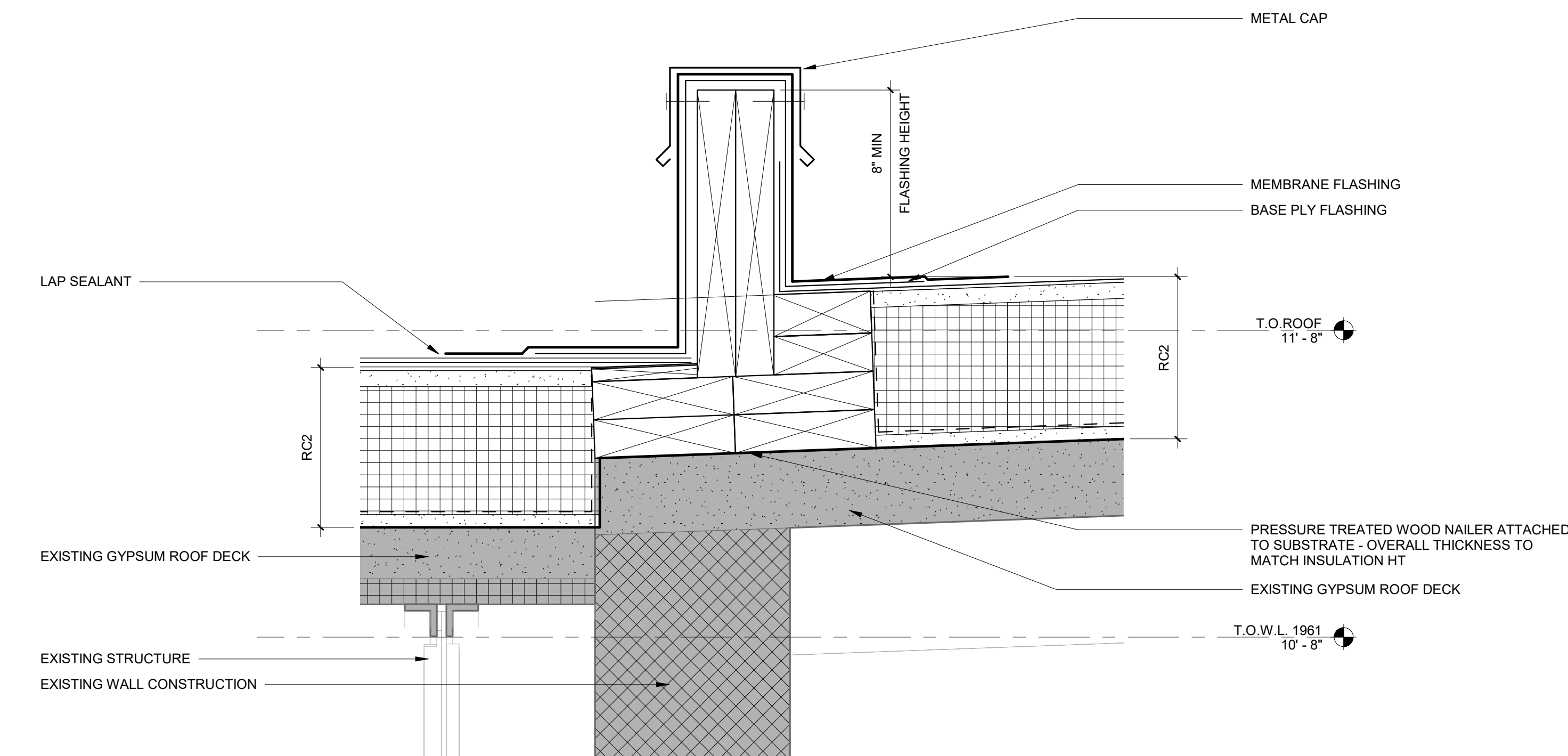
10 ROOF DETAIL - ADDITION
1 1/2" = 1'-0"



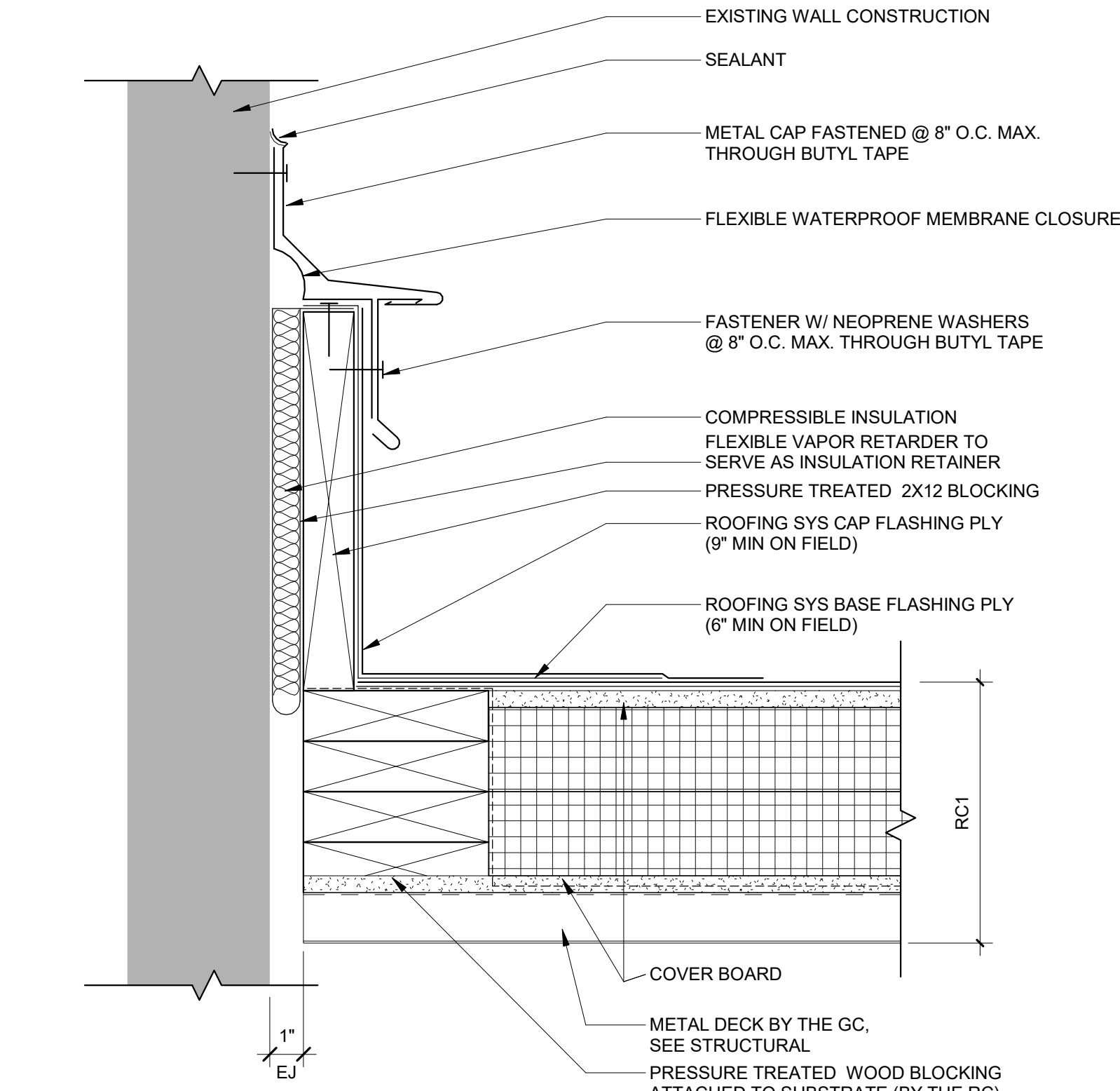
9 DETAIL - EXISTING PARAPET
1 1/2" = 1'-0"



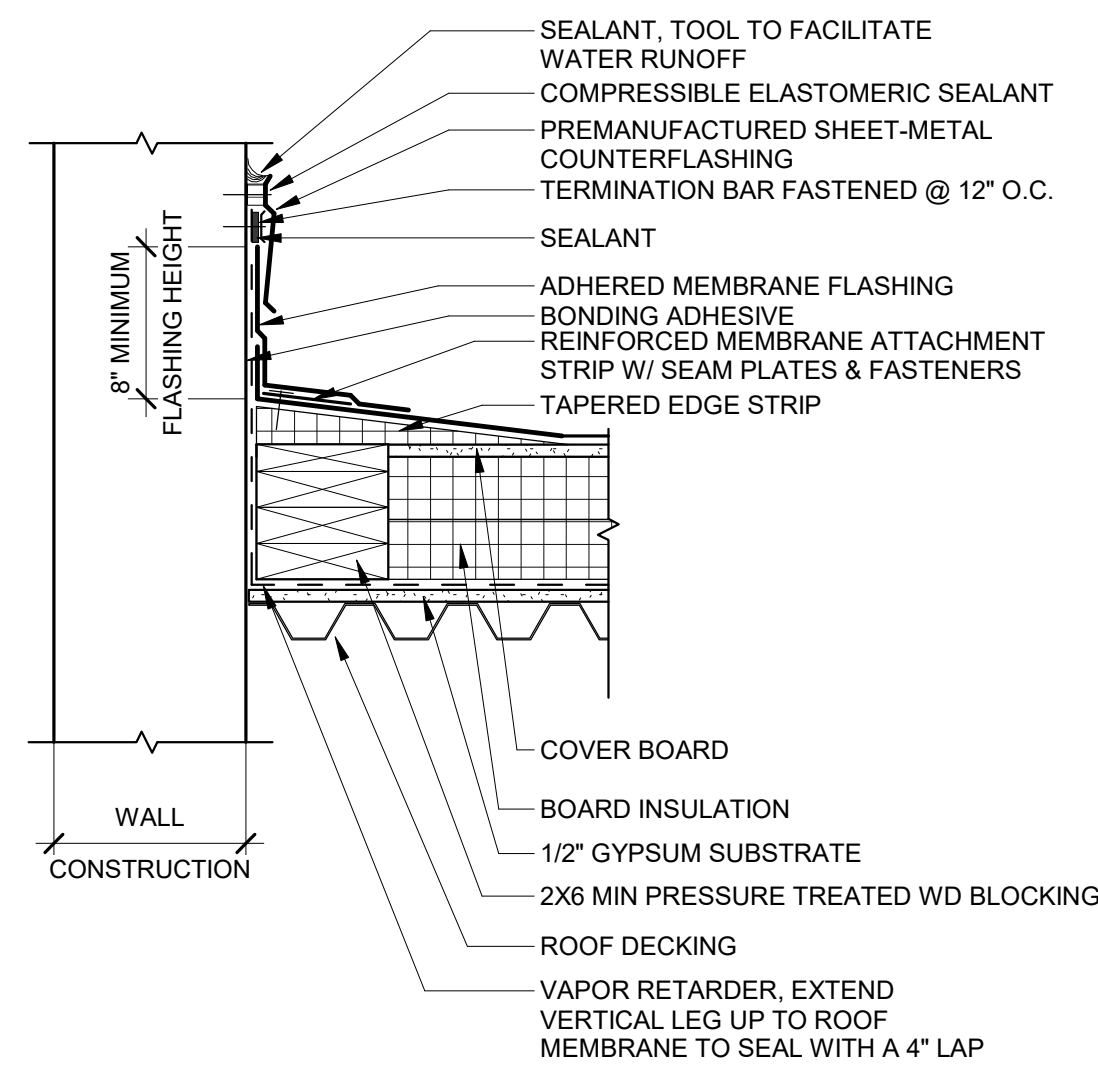
8 TYPICAL FLASHING DIAGRAM
3" = 1'-0"



7 ROOF DETAIL - CURB
3" = 1'-0"

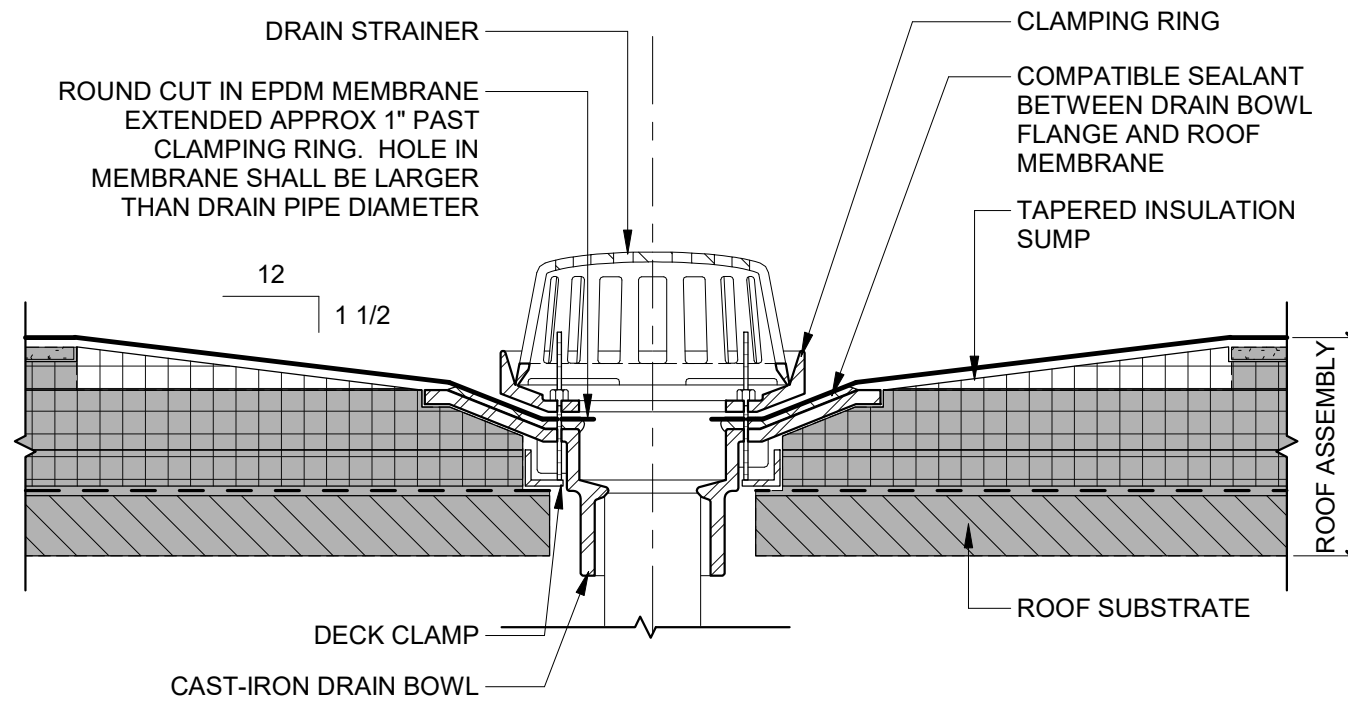


6 EXPANSION JOINT @ EXISTING BUILDING
3" = 1'-0"

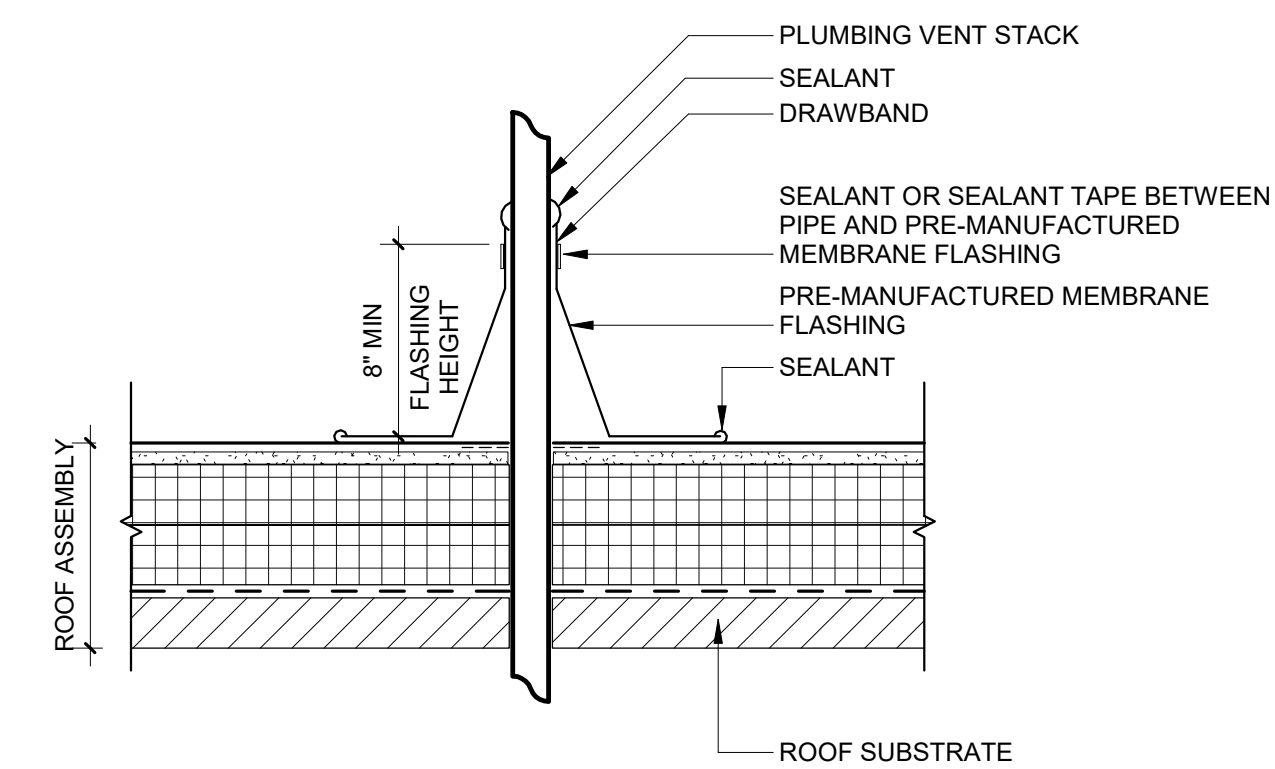


5 SECTION AT SURFACE MOUNTED COUNTER FLASHING
1 1/2" = 1'-0"

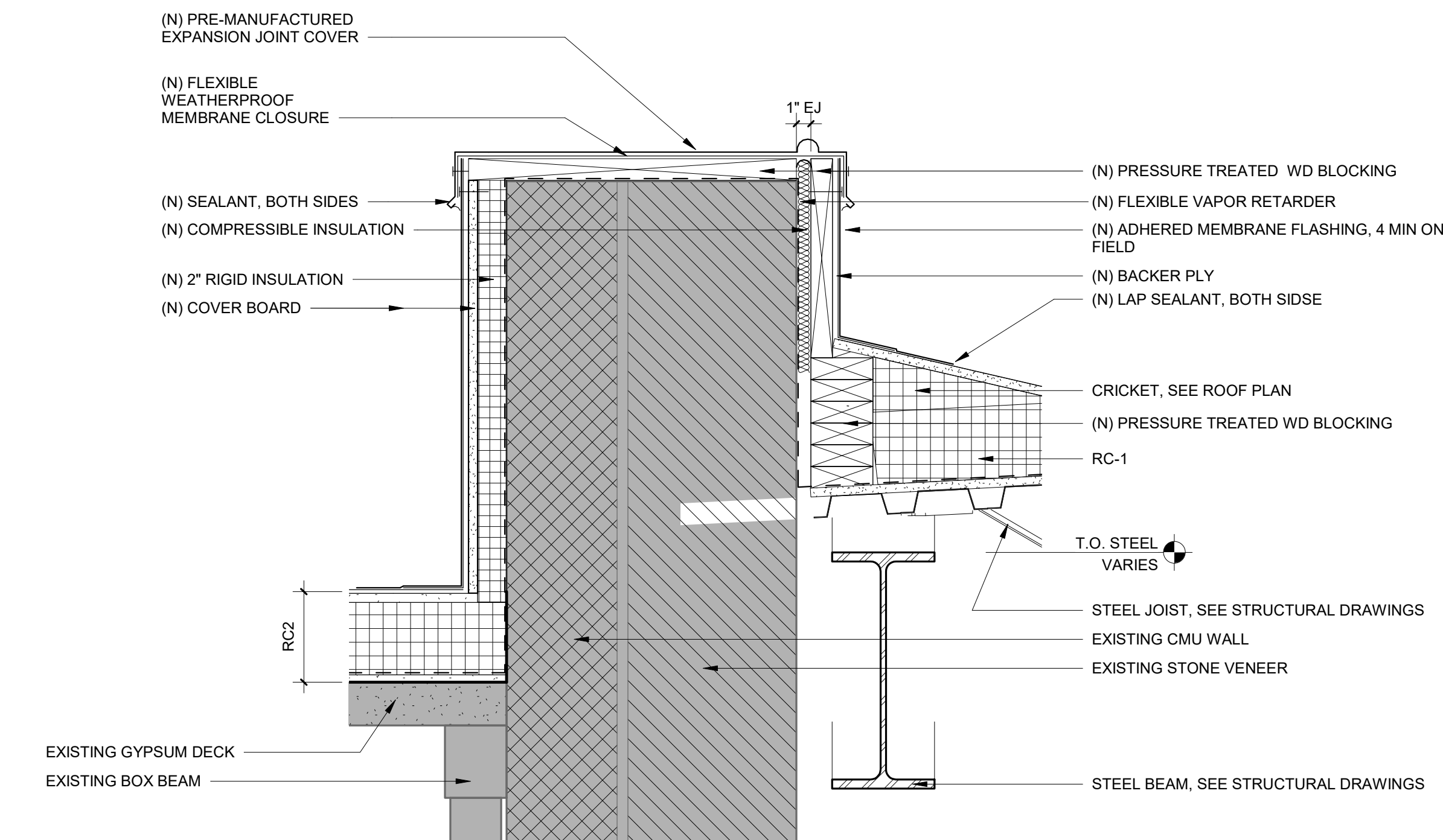
SUMP SIZE IS 24" + DRAIN BOWL DIAMETER



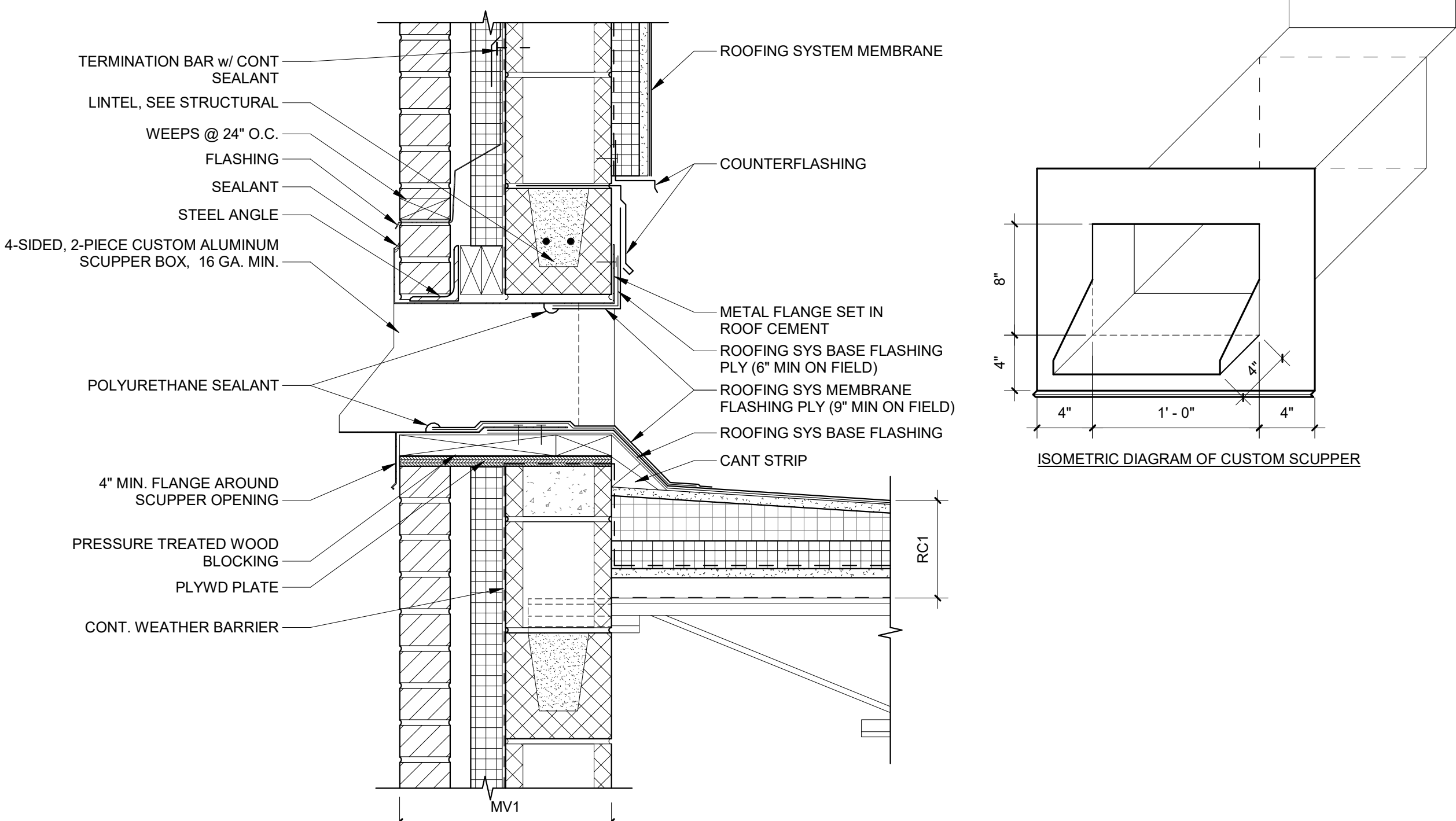
4 ROOF DRAIN - EPDM
1 1/2" = 1'-0"



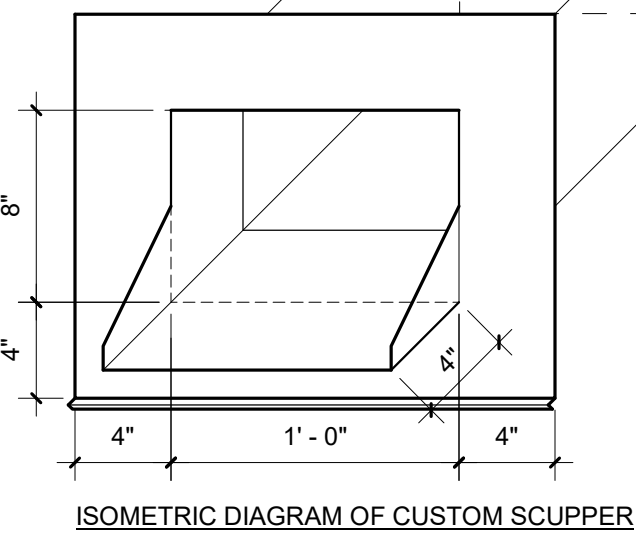
1 ROOF PLUMBING VENT - EPDM
1 1/2" = 1'-0"



3 ROOF DETAIL - EXISTING STONE WALL AT ADDITION
1 1/2" = 1'-0"



2 ROOF OVERFLOW SCUPPER
1 1/2" = 1'-0"



10/31/2023 5:26:06 PM

Project:
**Mary C. Howse
Elementary**

Project Address:
**641 Boot Road
West Chester, PA 19380**

Sheet Title:
ROOF DETAILS

Seal

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03.24.2023	SCHEMATIC DESIGN	△
05.28.2023	DESIGN DEVELOPMENT	
07.28.2023	60% CD SET	
09.19.2023	90% CD SET	
10.31.2023	BID SET	

BHA Job Number: 22-114

Scale: As indicated

Drawn By: BH

Checked By: NM

Approved By: DJ

Sheet No.

A5.40

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CONTACT PERSON: Damon Gonzaga

CIVIL ENGINEER
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MEP & FP
Snyder Hoffman Associates, Inc
phone: 610.694.8020
CONTACT PERSON: Jeff Machik, PE

Project:
Mary C. Howse Elementary

Project Address:
**641 Boot Road
West Chester, PA 19380**

Sheet Title:
ROOF DETAILS

Seal

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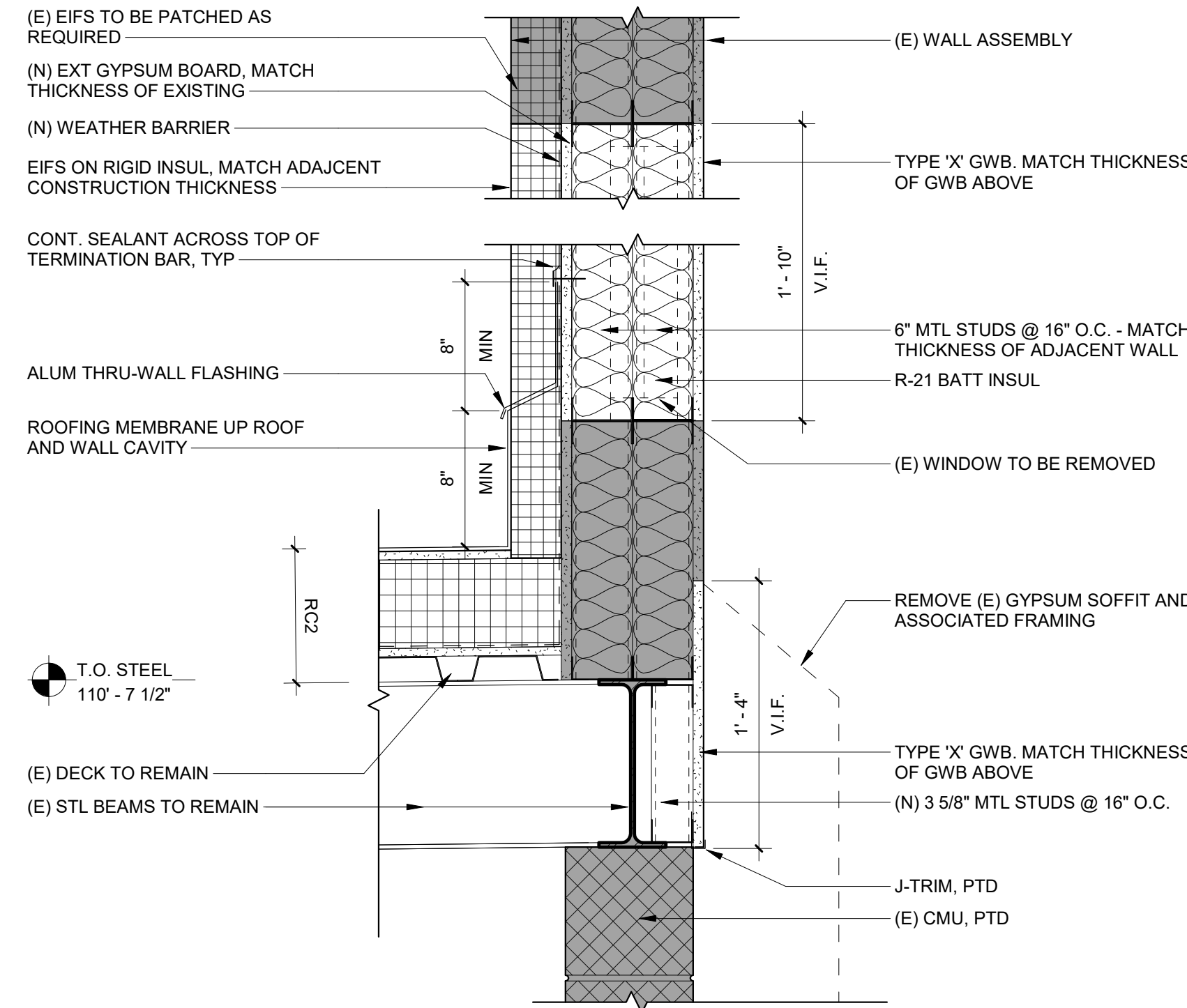
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	07.28.2023	60% CD SET	
	09.19.2023	90% CD SET	
	10.31.2023	BID SET	

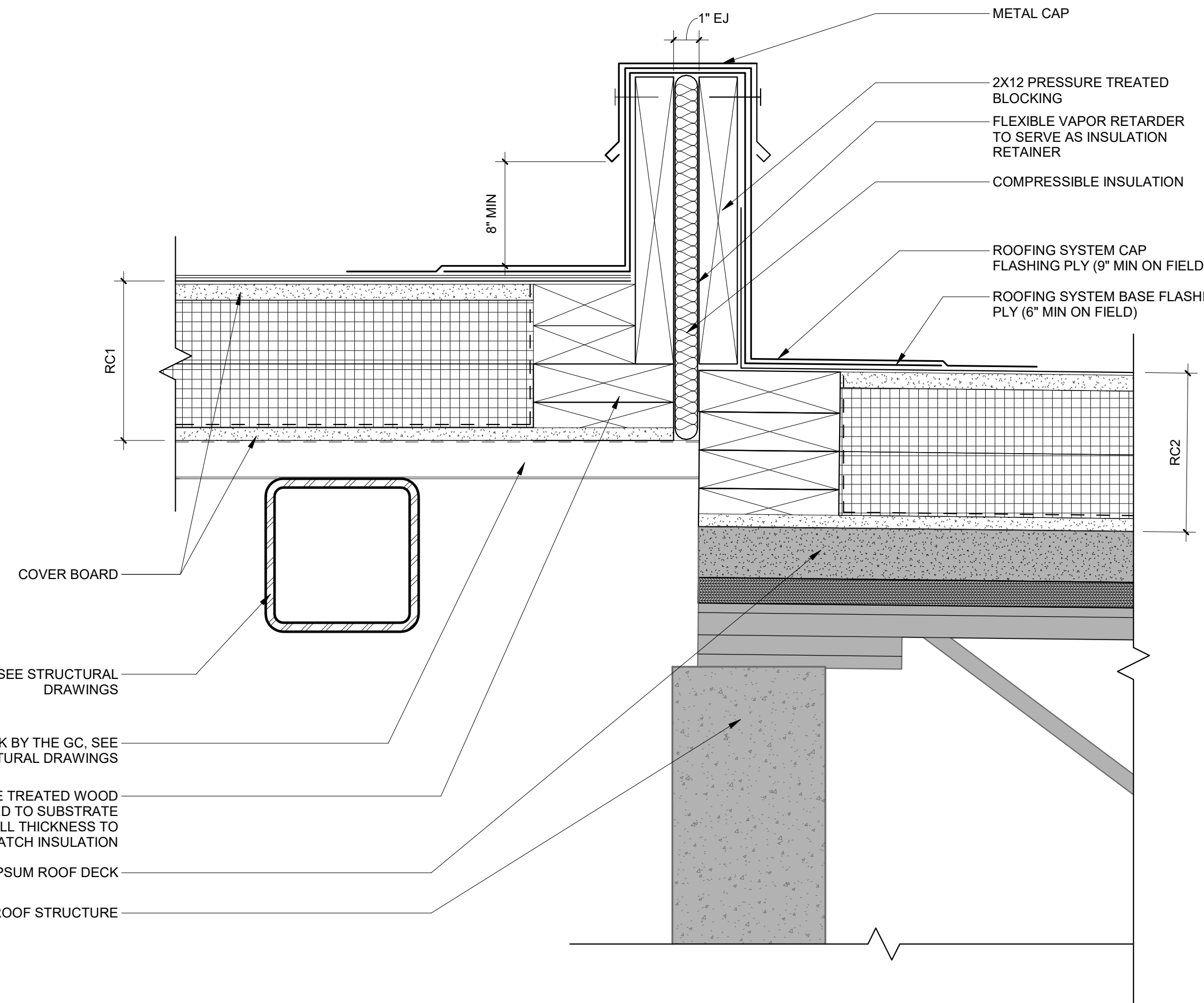
BHA Job Number: 22-114
Scale: As indicated
Drawn By: BH
Checked By: NM
Approved By: DJ
Sheet No.

A5.41

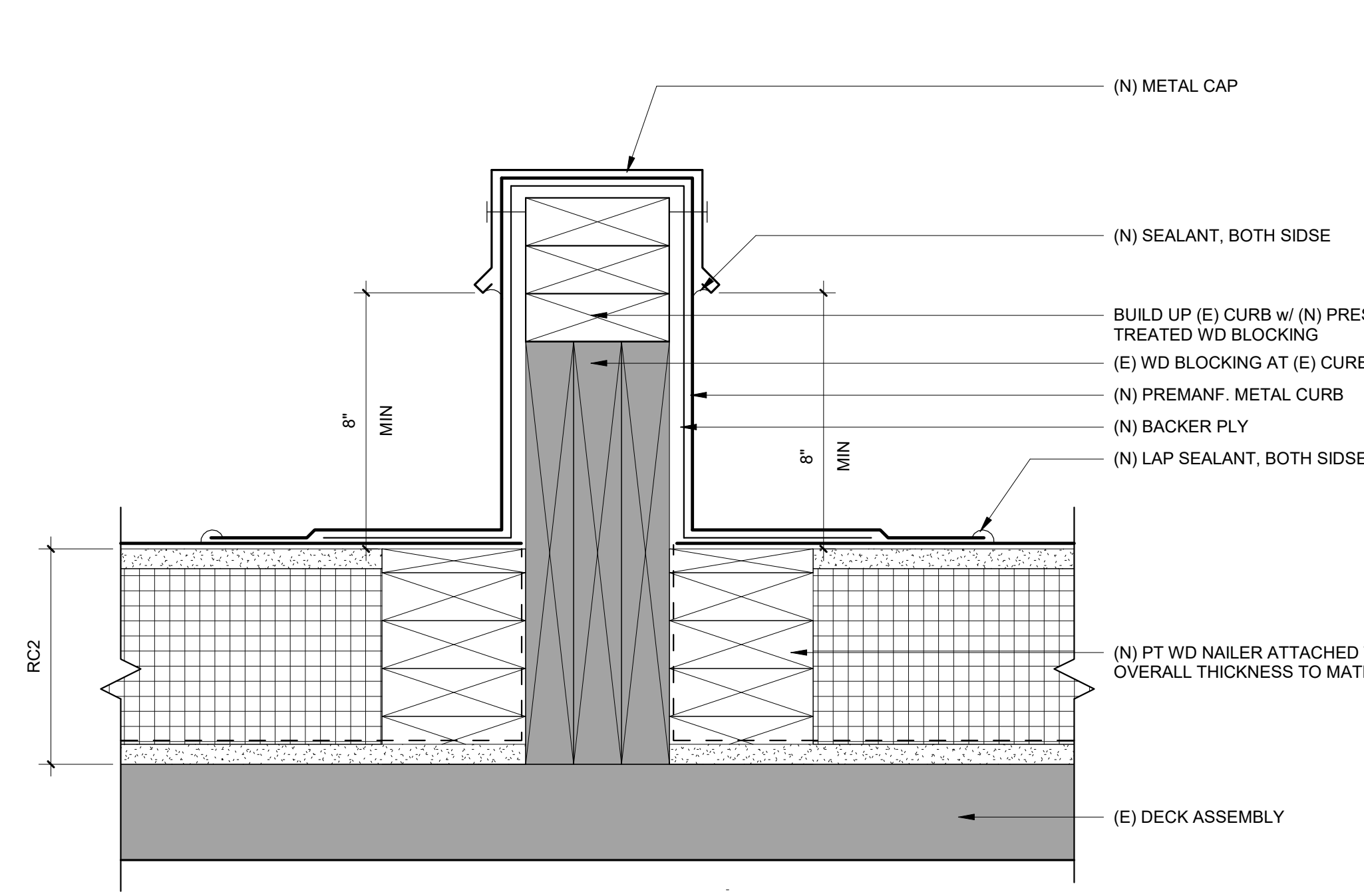
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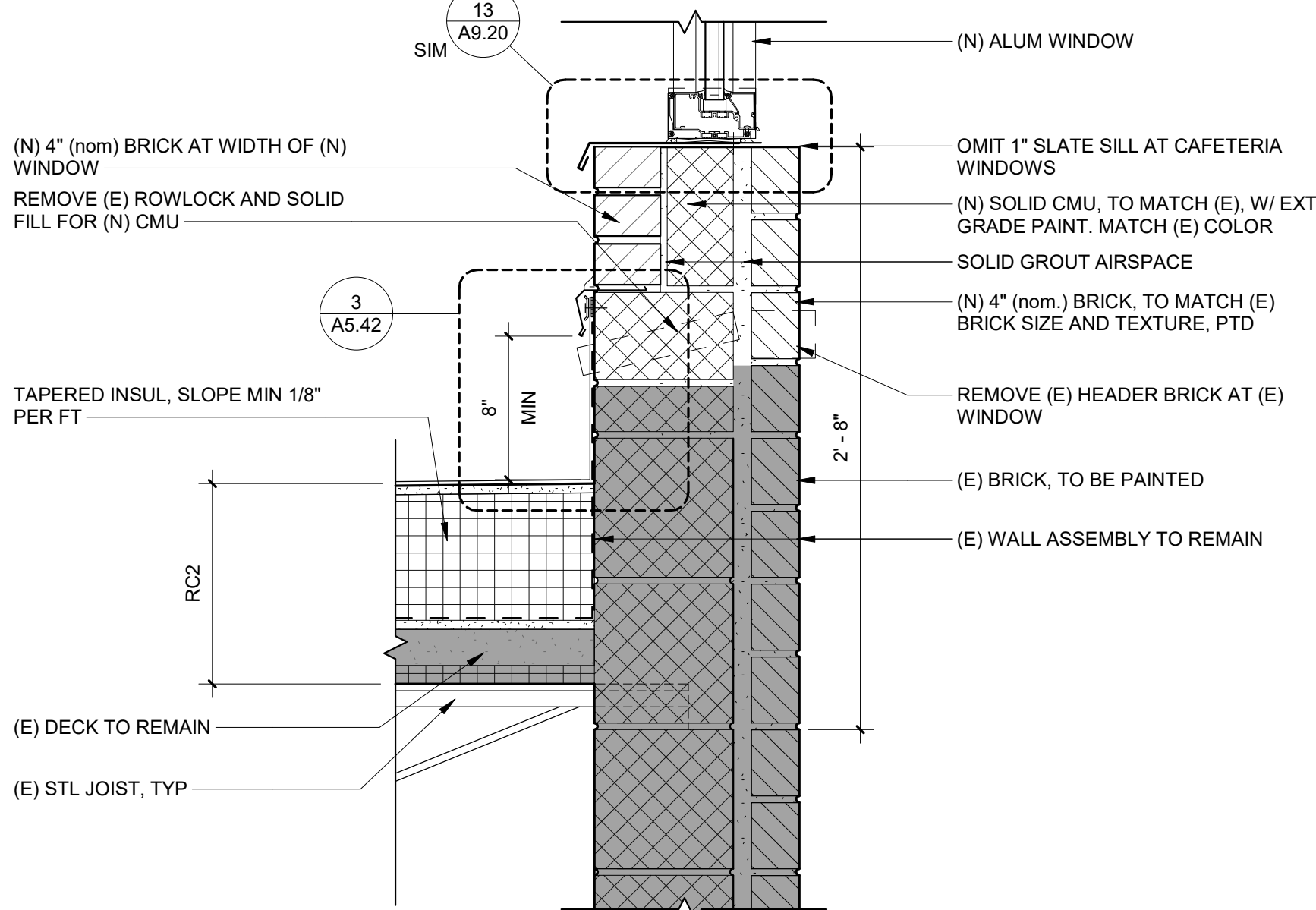
8 DETAIL - LOW ROOF AT LIBRARY
1 1/2" = 1'-0"



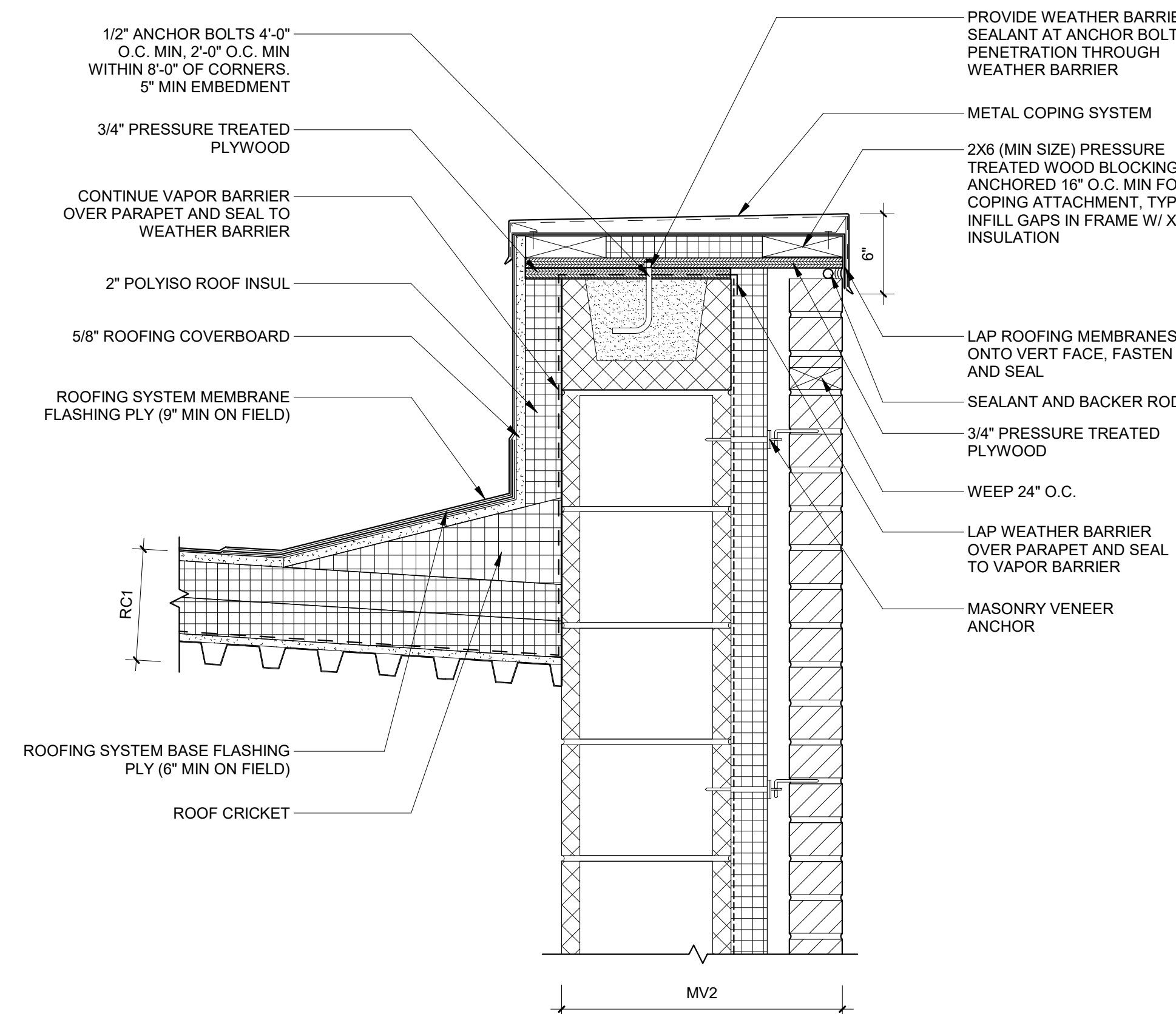
5 SECTION DETAIL @ CORRIDOR TO EXISTING
3" = 1'-0"



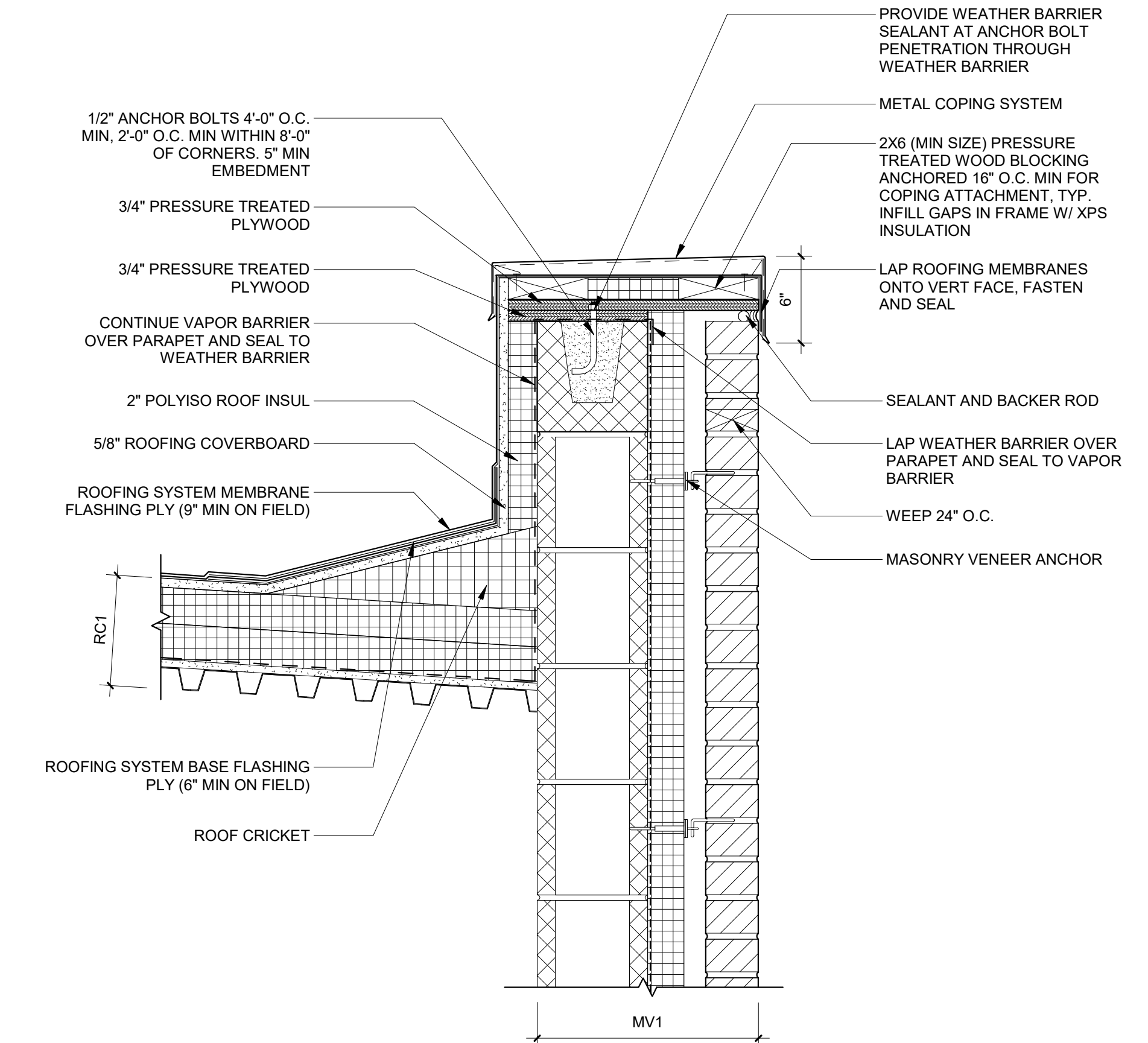
9 DETAIL - EXISTING ROOF CURB
3" = 1'-0"



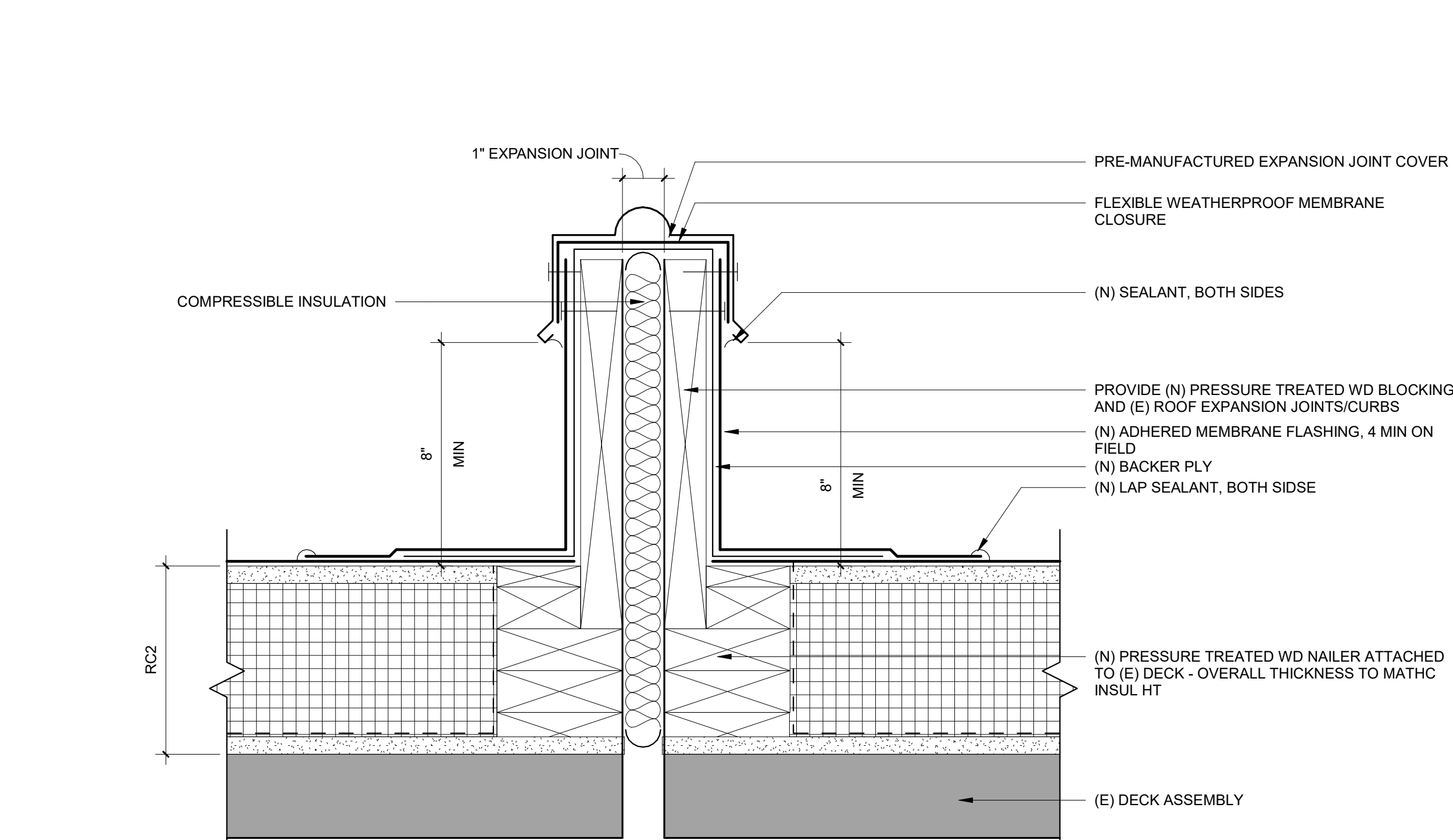
6 DETAIL - CAFETERIA CLERESTORY
1 1/2" = 1'-0"



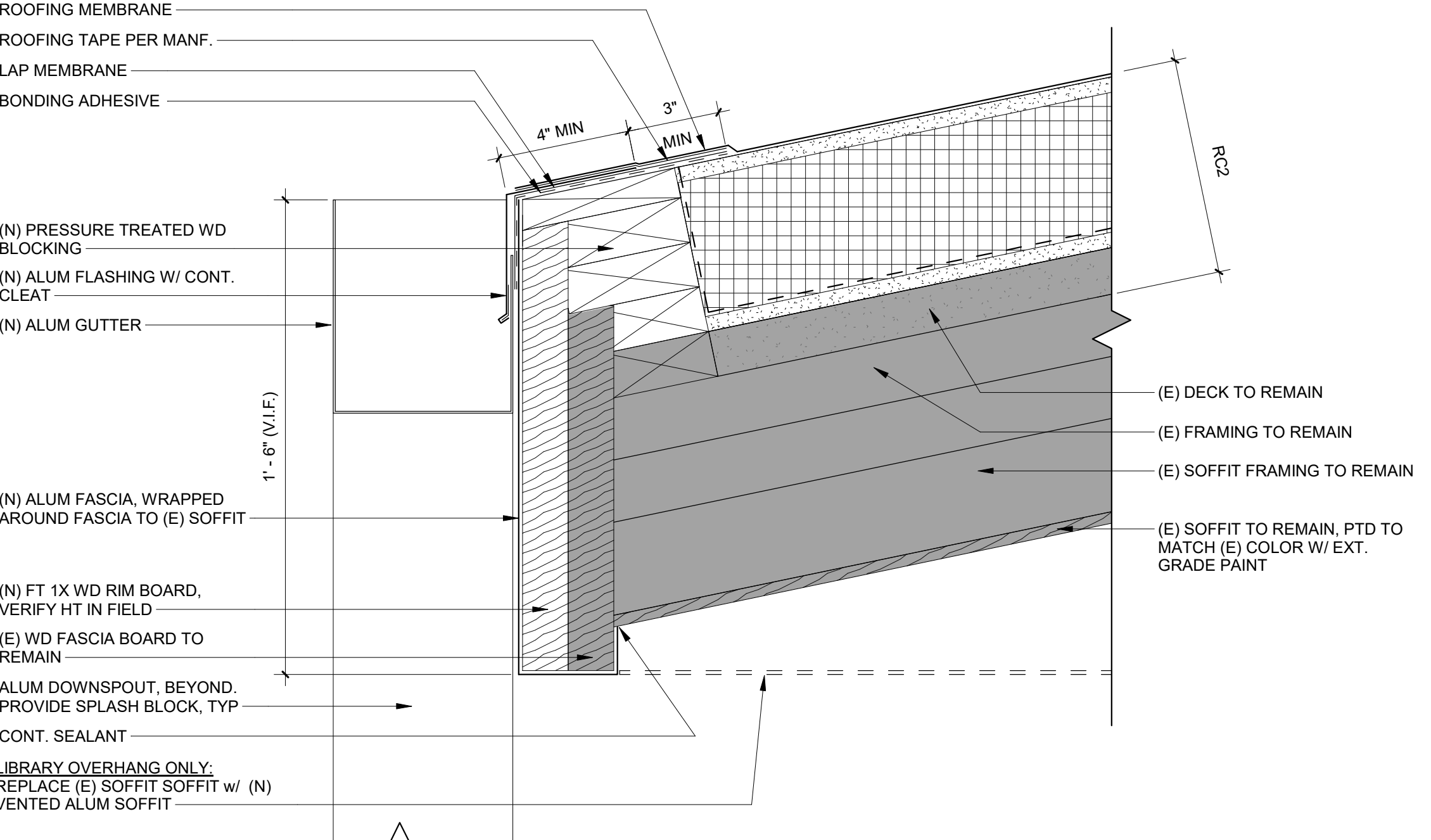
2 PARAPET DETAIL @ MV2
1 1/2" = 1'-0"



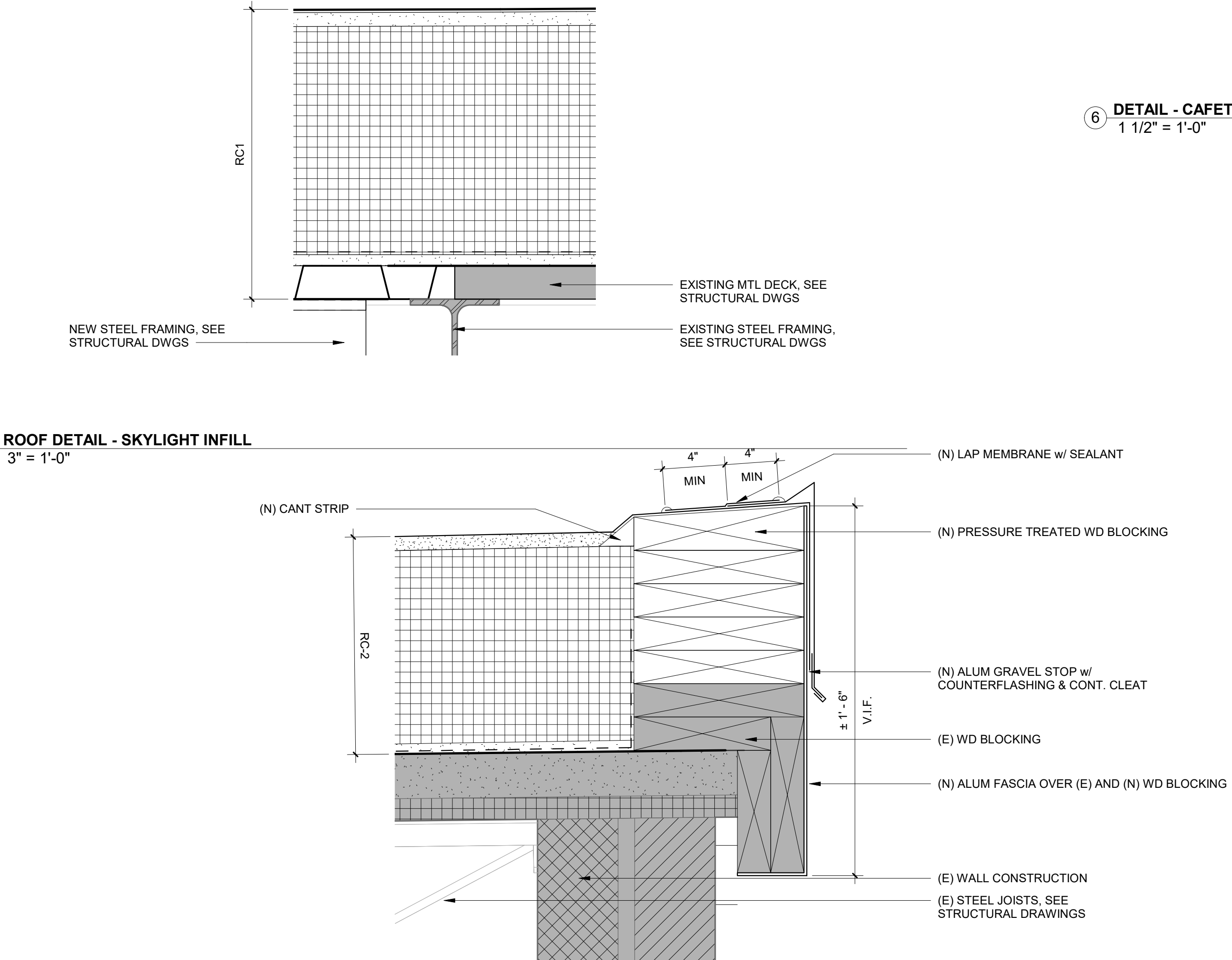
1 PARAPET DETAIL @ MV1
1 1/2" = 1'-0"



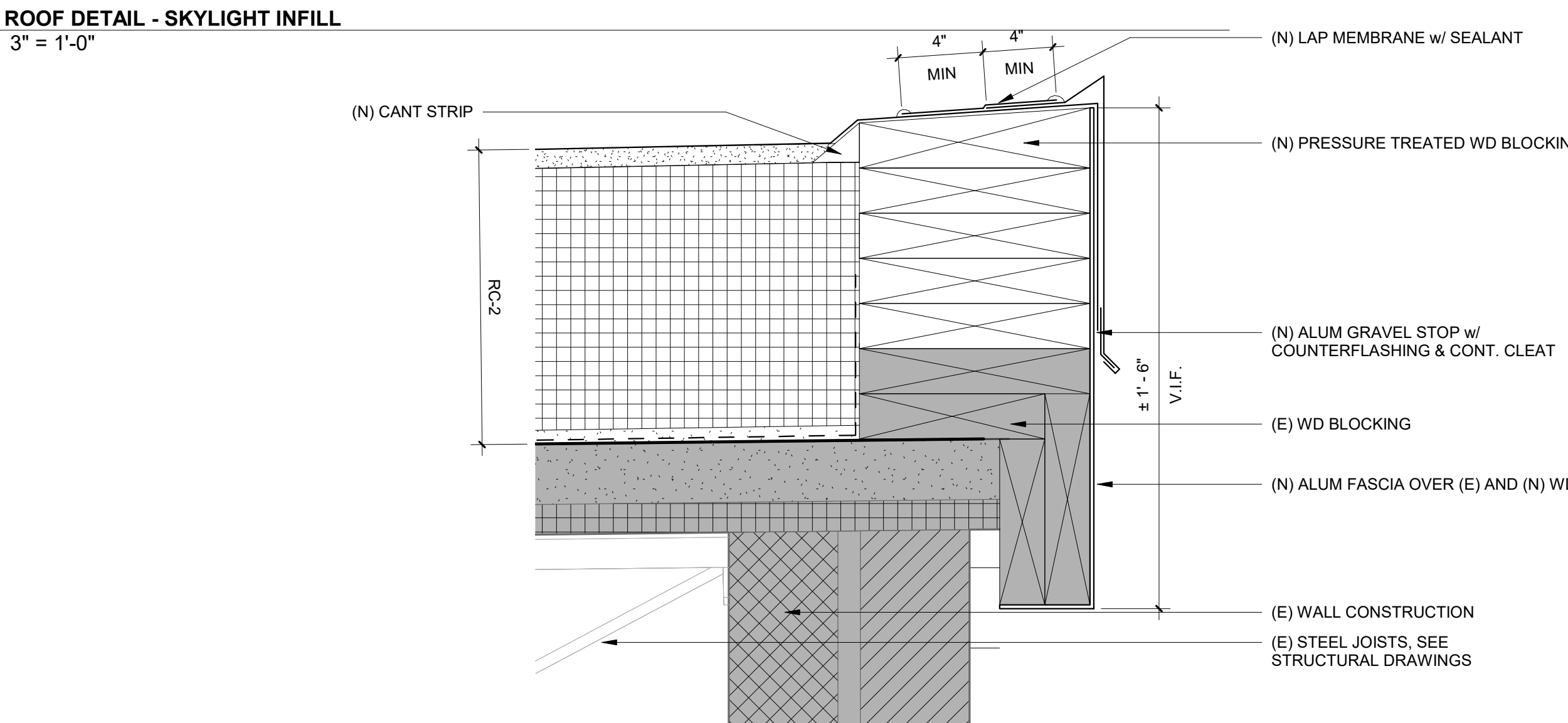
10 DETAIL - EXPANSION JOINT AT EXISTING
3" = 1'-0"



7 DETAIL - OVERHANG FASCIA - CAFETERIA
3" = 1'-0"



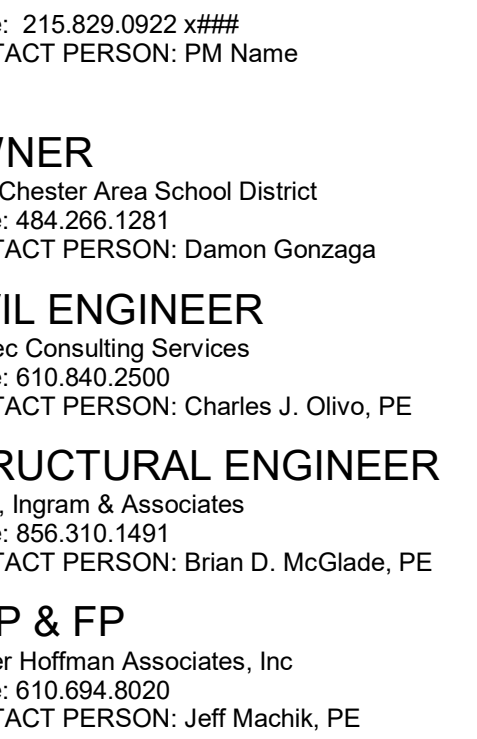
3 ROOF DETAIL - TYPICAL ROOF EDGE
3" = 1'-0"



4 ROOF DETAIL - SKYLIGHT INFILL
3" = 1'-0"

10/31/2023 5:26:09 PM

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ry C. Howse
mentary

OF DETAILS

INSPECT CONTRACT DOCUMENTS PRIOR TO BIDDING WORK: The contractor, who relies in part or whole on the content of instruction Documents shall, before beginning work, be responsible for fully inspecting the complete instruction Documents, including all Drawings, Specifications, and Addenda, for completeness, consistency, and suitability for constructing the project. Parties relying on these documents represent and warrant that they are in the area of their responsibility knowledgeable regarding industry standards, requirements and code requirements and that they are qualified to fully evaluate and interpret the instruction Documents. Parties who rely on these documents must, prior to beginning work, submit all requests for clarifications and additional information to the architect in writing. All parties who begin work without the knowledge that they are relying on the documents for purposes unless noted in specific exception beforehand.

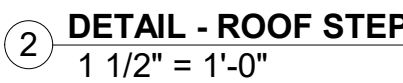
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[illegible]

Job Number:	22-114
	As indicated
By:	Author
Reviewed By:	Checker
Approved By:	Approver
No.	

5.42



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