

ADDENDUM #04

TO

INVITATION TO BID #01

March 21, 2018

**WESTERN CONNECTICUT STATE UNIVERSITY
RENOVATIONS TO
HIGGINS HALL & HIGGINS ANNEX**

STATE PROJECT NO: BI-RD-290-CMR

The Contract Documents are modified and/or supplemented as follows and should be included in the Subcontractor's lump sum bid as it relates to their Bid Package Scope of Work:

- All bidders should note that the following bid packages** listed below have been **POSTPONED TO WEDNESDAY, APRIL 4, 2018 AT 2:00 PM.**

Bid Package	Description (Set Aside)	NEW Bid Due Date/Time
1.1	Temporary Light & Power	Wednesday, April 4, 2018 at 2pm
3.1	Concrete	Wednesday, April 4, 2018 at 2pm
7.1	Metal Panel System	Wednesday, April 4, 2018 at 2pm
8.1	Aluminum Window System	Wednesday, April 4, 2018 at 2pm
21.1	Fire Suppression System	Wednesday, April 4, 2018 at 2pm
22.1	Plumbing System	Wednesday, April 4, 2018 at 2pm
23.1	HVAC System	Wednesday, April 4, 2018 at 2pm
26.1	Electrical System	Wednesday, April 4, 2018 at 2pm
27.1	Communications System (M/WBE)	Wednesday, April 4, 2018 at 2pm
28.1	Security System	Wednesday, April 4, 2018 at 2pm
28.2	Fire Alarm System (M/WBE)	Wednesday, April 4, 2018 at 2pm

Bid should be delivered to Downes Construction's office at 200 Stanley Street, New Britain, CT.

- All bidders should note that the following bid packages** listed below **REMAIN DUE ON THURSDAY, MARCH 29, 2018 AT 2:00 PM.**

Bid Package	Description (Set Aside)	Bid Due Date/Time
1.2	Temporary Construction Fence	Thursday, March 29, 2018 at 2pm
2.1	Demolition & Abatement	Thursday, March 29, 2018 at 2pm
4.1	Masonry & Stone	Thursday, March 29, 2018 at 2pm
5.1	Structural Steel	Thursday, March 29, 2018 at 2pm
5.2	Miscellaneous Metals (M/WBE)	Thursday, March 29, 2018 at 2pm
6.1	Architectural Woodwork	Thursday, March 29, 2018 at 2pm
7.2	Roofing System	Thursday, March 29, 2018 at 2pm
7.3	Firestopping (M/WBE)	Thursday, March 29, 2018 at 2pm

9.1	Drywall & Carpentry	Thursday, March 29, 2018 at 2pm
9.2	General Trades (SBE)	Thursday, March 29, 2018 at 2pm
9.3	Tile (M/WBE)	Thursday, March 29, 2018 at 2pm
9.4	Acoustical Ceilings (SBE)	Thursday, March 29, 2018 at 2pm
9.5	Flooring (SBE)	Thursday, March 29, 2018 at 2pm
9.6	Painting (SBE)	Thursday, March 29, 2018 at 2pm
31.1	Sitework	Thursday, March 29, 2018 at 2pm
32.1	Landscaping (M/WBE)	Thursday, March 29, 2018 at 2pm

Bid should be delivered to Downes Construction’s office at 200 Stanley Street, New Britain, CT.

3. **All bidders** should review and incorporate the attached TSKP Studio Supplement #02 dated March 20, 2018 and its contents as listed below:
 - 100% CD BID PACKAGE SUPPLEMENT NO. 02
 - Drawing A1.31A
 - Drawing A1.41
 - Drawing S1.31
 - Drawing S3.1
 - Drawing S4.1

4. **All bidders** should review and incorporate the attached revised Drawing List dated 3/21/18.

5. **All bidders** should incorporate the following Bid RFI questions with answers as they relate to their bid package scope of work:
 - RFI A Question** – No specification for bluestone stair tread at the west entrance shown on 2/A4.02, A6.03 and A6.04?
Answer – Refer to section 093033 – Stone Tiling

 - RFI B Question** – No specification for solid bluestone seating at the west entrance shown on 2/A4.02, A6.03 and A6.04?
Answer – Refer to section 093033 – Stone Tiling

 - RFI C Question** – No attachment details for new masonry parapets? Vertical dowels welded to existing spandrel required?
Answer – Refer to revised structural drawings in Supplement #2.

 - RFI D Question** – What is the profile of the existing roof system to be removed? Were any test cuts made?
Answer – The Higgins Annex Area B is a multi-ply built-up ballasted roof system. See attached photos showing test cuts performed.

 - RFI E Question** – SPEC. SECTION 233113 – Metal Ducts page 18 3.10 – Duct Schedule paragraph C – Liner item #4 states to line All Supply & Return Duct run outs up to RGD in classrooms. Drawing M1.11B in general classrooms H116 & H117 shows some of the run outs are lined and some of them are unlined. This is typical throughout the drawings. Are ALL run outs lined or should we follow as indicated on the drawings?
Answer – In classrooms, liner shall be provided as indicated on plans. Line item in specification has been removed.

- RFI F** **Question** – On a quick glance, we do not find spec section 087113 that is mentioned in bid package 9.2. Please advise.
Answer – *Section 087113 is not part of this project and shall be removed from the bid package.*
- RFI G** **Question** – Regarding the Roof Screen Tube Erection Details, in order to save time and for constructability, we would like to be able to field bolt all horizontal tubes to the vertical members. (Detail on S4.1) We would shop weld plates at each end of the horizontal members and at the proper location on the vertical members to accomplish this. Is this acceptable?
Answer – *This is acceptable. See attached revised S4.1.*
- RFI H** **Question** – Please confirm spec section "074213 Formed Metal Wall Panels" in the table of contents is the same as spec section 081113 Formed Metal Wall Panels in Volume 2 of the specification.
Answer – *Change header to read 074213 - Formed Metal Panels from 081113 - Formed Metal Panels. 074213 shall be used.*
- RFI I** **Question** – Please clarify which bid package owns the aluminum break metal coping scope of work shown on 3&7/A4.21?
Answer – *Bid Package # 7.2 Roofing system shall include the aluminum break metal coping scope.*
- RFI J** **Question** – Do all areas receiving the aluminum composite metal panels get 3" insulation, or is it just at new CFMF wall assemblies?
Answer – *Only on CFMF wall assemblies.*
- RFI K** **Question** – Please provide the spacing for the z-furring channel supporting the aluminum composite metal panels
Answer – *Spacing shall be as recommended by manufacturer and also align with joint location shown on elevations.*
- RFI L** **Question** – Section 074213.3.3.A.1 calls for “shim or otherwise plumb substrates receiving metal panels”. Considering the metal panels are being installed on top of existing & new substrates please provide tolerances for the 074200 aluminum composite metal panel shimming.
Answer – *Shimming shall be field verified during construction in conjunction with the Architect.*
- RFI M** **Question** – Please provide specifications for the ½” coverboard shown throughout the drawings. Specification section 075323 does not call out a coverboard.
Answer – *Coverboard is the substrate board.*
- RFI N** **Question** – Looking at detail 18 on drawing A4.31. How would we be able to access the fastener that connects the panels to the 4x4 galvanized vertical posts? It appears the front face of the panel would be in the way of us gaining access to those fastener heads preventing us from anchoring the panel. The same issue happens on detail 5/A4.31 where it shows the panels being fastened to the structural C-Channels and T-Bars.

Answer – Per basis of design manufacturer, there shall be larger holes on panels at the screw locations to accommodate attachments.

- RFI O** **Question** – Opening 0114 - Remark 9 indicates existing frame - door schedule indicates new frame. Please advise.
Answer – Assuming question is related with door 011. It is a new frame. Remark is removed.
- RFI P** **Question** - Opening 024 - Indicated at hardware set 22 in the hardware schedule but indicated to have set 20 on the door schedule. Please verify set 20 as being correct for this pair.
Answer – Set #20 is correct.
- RFI Q** **Question** – Opening 032 - Indicated at hardware set 22 in the hardware schedule but indicated to have hardware set 17 on the door schedule. Please advise desired set.
Answer – Set #17 is correct.
- RFI R** **Question** – Opening 214A appears to have a borrowed lite next to it on the plan view and on 9/A8.05. Plan view does not indicate this a V1, please confirm this is a V1 borrowed lite.
Answer – Yes, V1 is correct. Tag will added to the plan.
- RFI S** **Question** – Audio Booth (H213A) appears on ELEV 11/A8.05, however no door mark number nor BL appears on the plan. Please verify no material required.
Answer – Door is an integrated part of the audio booth
- RFI T** **Question** – Hardware set 44 indicates opening 1010 - We do not find this opening on the door schedule or plans. Please confirm this set is not used and there is no opening 1010.
Answer – 1010 has been eliminated from project.
- RFI U** **Question** – Abatement Plans HAZMAT Note 4. Please provide more information and locations on ACM flashings references.
Answer – Demo work is shown on other project drawings. This note applies to any penetrations or removals of exterior wall construction in the 1958 portion.
- RFI V** **Question** – In reference to ATC Abatement Tables 6-1, there is ACM black tar on beam with paper behind brick. Will Note 3A on D1.21A as an example require abatement of this type of ACM? Locations are not provided on the documents to quantify a bid.
Answer – Demo work is shown on other project drawings. This material is treated as ACM if disturbed by removals of exterior wall construction in the 1958 portion.
- RFI W** **Question** – Section 019114-5 Par 1.11.F.2 Envelope Commissioning Requirements is calling for infrared testing of the roof, can you please confirm this is by the owner?
Answer – Yes, it is by owner.
- RFI X** **Question** – The wall types indicate spray foam insulation or equal. Specification section for drywall indicates fiberglass so we assume that is acceptable for interior sound walls. Do exterior facing walls require spray foam or fiberglass insulation?
Answer – Fiberglass is OK for interiors. Spray foam insulation is to be used on interior side of existing and newly in-filled exterior walls unless otherwise indicated on

drawings.

RFI Y Question – What is the schedule for roofing activities?

Answer – *Fall 2018 per preliminary baseline schedule*

RFI Z Question - There are various paragraphs within the scopes for Bid Package 2.1 Demolition (46, 52 and 54) and 4.1 Masonry and Stone (37, 39, 40 and 41) some referring to specific items of work, regarding bid package responsibility for the cutting/demolition of existing masonry. Please confirm the bid package responsibility for this item for both the exterior wall and interior partition cutting/demolition.

Answer –

- A. *Item #46 in the **BP #2.1 – Demolition and Abatement** bid package is coordinated with Item #'s 40 and 41 in the **BP #4.1- Masonry** bid package and we believe provide accurate clarification of responsibility for these scope items.*
- B. *Item #37 in the **BP #4.1 – Masonry** would apply to exterior window opening work to be include by this bid package as an example. In general the **BP #4.1 – Masonry** bid package is responsible for “selective” existing brick façade demolition, salvaging and patching associated with window MO revisions (windows etc.) and repairs and to support the installation of new structural item as shown.*
- C. *Item #39 in the **BP #4.1 – Masonry** bid package we believe is an accurate clarification of responsibility for this scope item.*
- D. *Item #52 in the **BP #2.1 – Demolition and Abatement** bid package is an accurate clarification of this scope item.*
- E. *Item #54 in the **BP #2.1 – Demolition and Abatement** bid package is an accurate clarification of this scope item. Example being the exterior wall removal by **BP #2.1** in the vicinity of the new entry lobby defined on the demolition drawings. Interior wall demolition in general is by **BP #2.1**. MEP openings in existing interior masonry walls are by **BP #4.1**.*

RFI AA Question – Drawing M1 -21A shows TB2-18 & TB2-19 encased in a double layer gypsum board box. This is also detailed on M4-02. This is not typical work done by the Mechanical contractor and usually done by the General Trades/Drywall contractors. Please advise which trade should carry this work in their bid

Answer - *This gypsum board box and similar shown elsewhere is the responsibility of the BP #9.1 - Drywall and Carpentry.*

RFI BB Question – Reference D1.31A note 14, provide details for capping this condition and similar.

Answer – *Yes. The roof shall be patch to match existing insulation and roofing. The roofing shall be filed verified. Also see details for patching shown on revised Architectural and Structural Drawings included with this Scope.*

100% CD BID PACKAGE SUPPLEMENT NO. 02

Date: March 20, 2018

Project: WCSU Higgins Hall_BI-RD-290

Architect: TSKP Studio

Construction Manager: Downes Construction Company, LLC

The following changes take precedence over anything to the contrary in the Drawings and Specifications:

DRAWING CHANGES

Cover

N/A

Civil

N/A

Landscape

N/A

Architectural Demo

1. D1.31B:
 - Remove note ETR (Existing to Remain) for existing roof hatch. Curb and associated flashing shall be removed. Refer to A1.31B and A1.41 for new roof hatch location and detail.

Architectural

2. A1.31A:
 - Replace drawing with revised A1.31A.
3. A1.41:
 - Replace drawing with revised A1.41.
4. A11.01, A11.02
 - Add note on remarks as to read "ALL EXISTING DOOR FRAMES RECEIVING NEW DOOR PANEL SHALL BE REMOVED AND REINSTALLED TO INSTALL CARD READER, CONTACTS OR ELECTRIFIED STRIKE WHERE REQUIRED UNLESS OTHERWISE SHOWN ON DETAILS OF A11.02. PARTIALLY DEMO, PATCH AND PAINT EXISTING WALL FOR CABLE RUN AND REINSTALLATION OF DOOR AS REQUIRED."

Structural

5. S1.31:
 - Replace drawing with revised S1.31.
6. S3.1:
 - Replace drawing with revised S3.1.
7. S4.1
 - Replace drawing with revised S4.1

MEP

N/A

Mechanical

N/A

Electrical

N/A

Plumbing

N/A

Fire Protection

N/A

Telecom

N/A

Security

N/A

AV

N/A

SPECIFICATION CHANGES:

8. Section 081113 – Formed Metal Panels
 - Change spec header to 074213 from 081113. Header shall be 074313 –Formed Metal Panels.

9. Section 093033 – Stone Tiling
 - Subsection 2.2 / E.5: Add note “Refer to drawings for sizes of stair treads and seating.”
10. Section 232123 – Hydronic Pumps
 - Subsection 1.13.A: Change warranty period to 60 months after substantial completion.
11. Section 233113 – Metal Ducts
 - Subsection 3.10.C: Remove item #4. ~~In all supply and return ductwork run outs up to RGD in classrooms.~~

LIST OF DRAWINGS ISSUED: A1.31A, A1.41, A1.31, S3.1, S4.1

SPECIFICATIONS ISSUED:

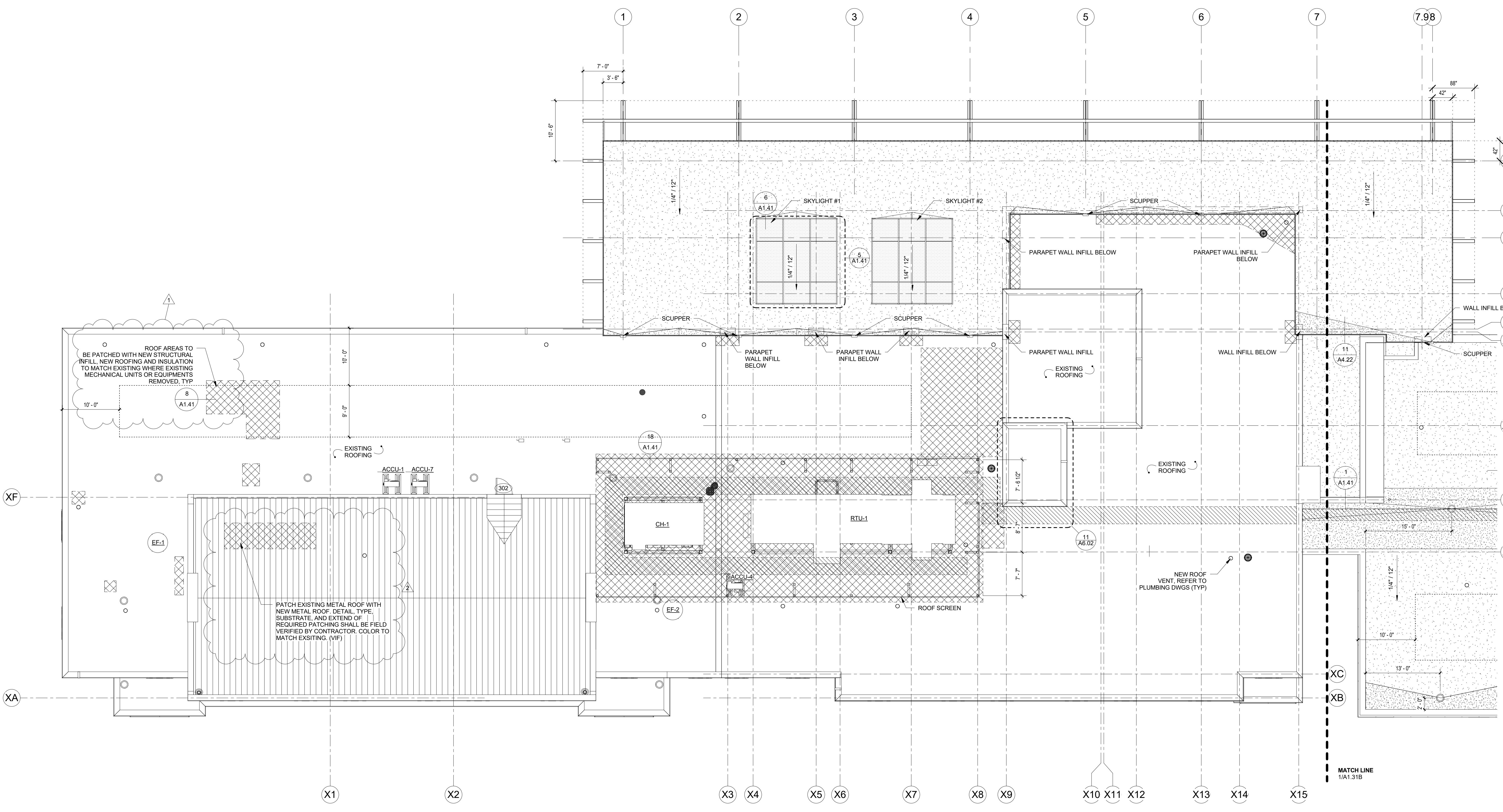
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ROOF LEGEND

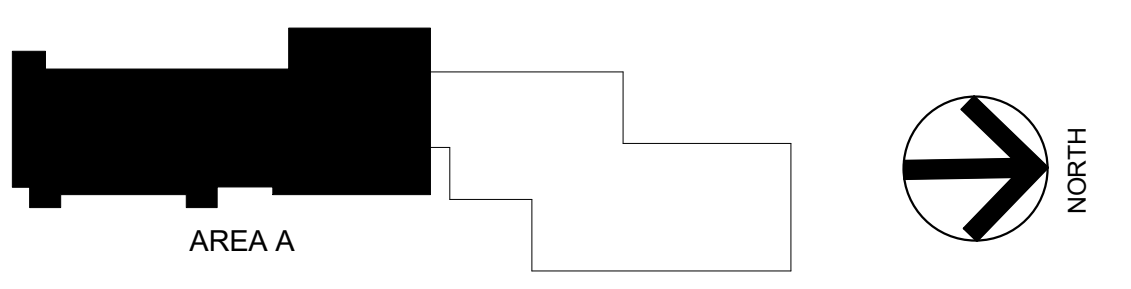
- EXISTING METAL ROOF
- NEW EPDM WITH RIGID INSULATION
- NEW EPDM WITH TAPERED INSULATION
- NEW EPDM TO MATCH EXISTING (NEW ROOF INFILL)
- ROOF DUCT
- EXISTING ROOF DRAIN
- NEW ROOF DRAIN
- NEW ROOF DRAIN AT EXISTING DRAIN LOCATION
- FUTURE PV LOCATION
- WALKWAY/PAD

ROOFING NOTES

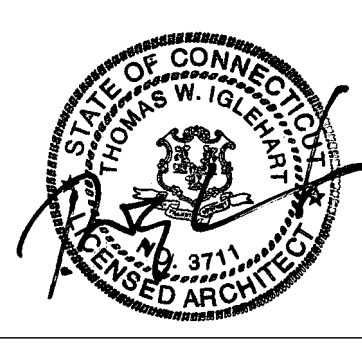
- REMOVE AND REINSTALL EXISTING ROOF DRAINS ON AREAS WHERE NEW ROOF INFILL/PATCHING IS REQUIRED. ADD NEW BLOCKING, INSULATION, SUMP ETC. AS REQUIRED. SEE PLUMBING DWGS.
- LOCATION OF ALL ROOF DRAINS (EXISTING OR NEW) SHALL BE FIELD VERIFIED.
- PROVIDE CONT. WOOD BLOCKING AT ROOF DECK FLUTES AND ON ROOF DECK TO SUPPORT INSULATION, ROOF PARAPET FRAMING, MECHANICAL UNIT CURBS WHERE REQUIRED. (VIF)

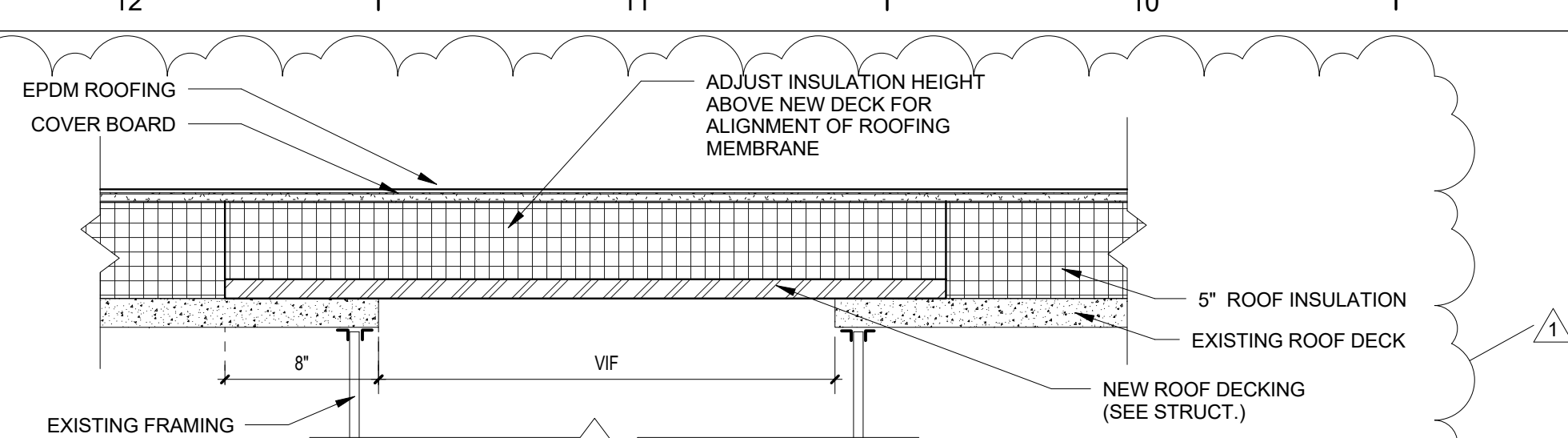


1 ROOF PLAN - AREA A
1/8" = 1'-0"



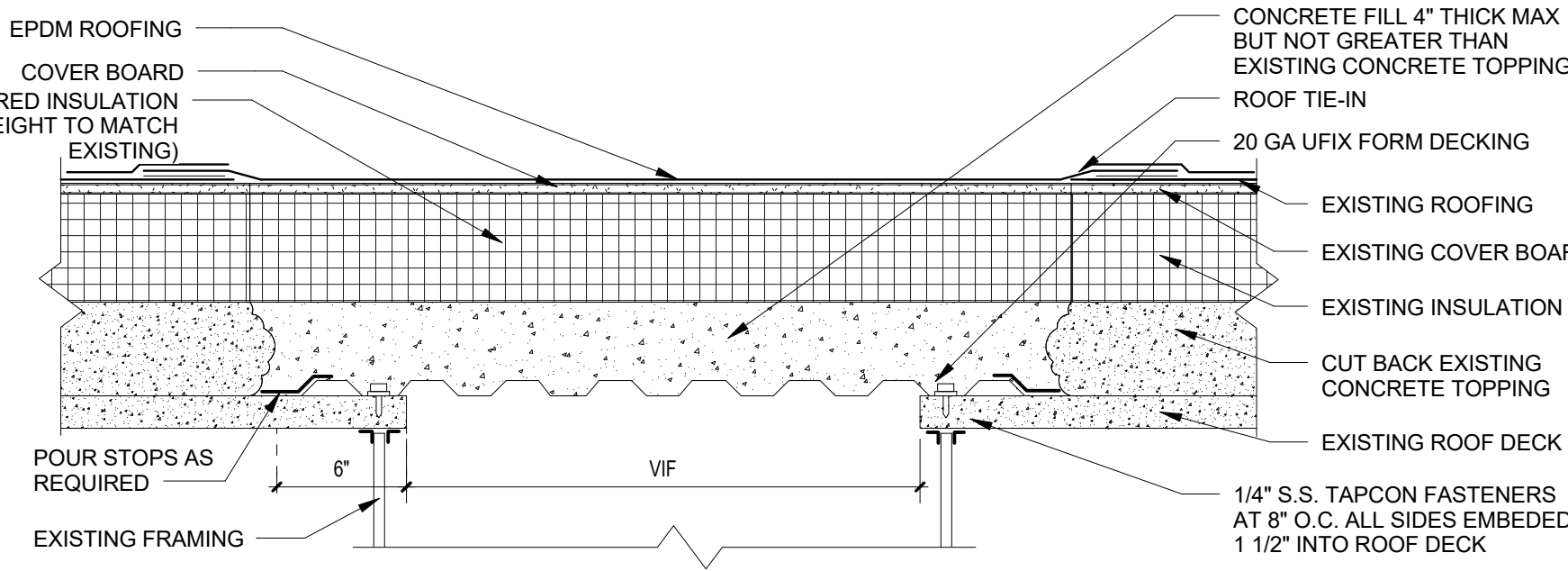
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SUBMISSIONS		drawing prepared by: TSKP STUDIO ARCHITECTURE PLANNING INTERIORS One Hartford Square West 145 Wyllys Street, 8th Fl-203 Hartford, CT 06106 860.547.1970 www.tskp.com	
mark	date	description	date
1	01/29/2018	100% CD BID PACKAGE	
REVISIONS		project: WCSU, RENOVATIONS TO HIGGINS HALL AND ANNEX	
mark	date	description	approved by
1	03/14/2018	100% CD BID PKG Suppl. #1	
2	03/20/2018	100% CD BID PKG Suppl. #2	
state project no. 81-RD-290		office project no. 150501	scale: As indicated
DANBURY, CT			drawing no. A1.31A





AREA B (ANNEX) ROOF INFILL AND NEW DECK INSTALLATION FOR ROOF PENETRATION, TYP (VIF)

NOTE: SEE DEMO AND MEP DWGS.

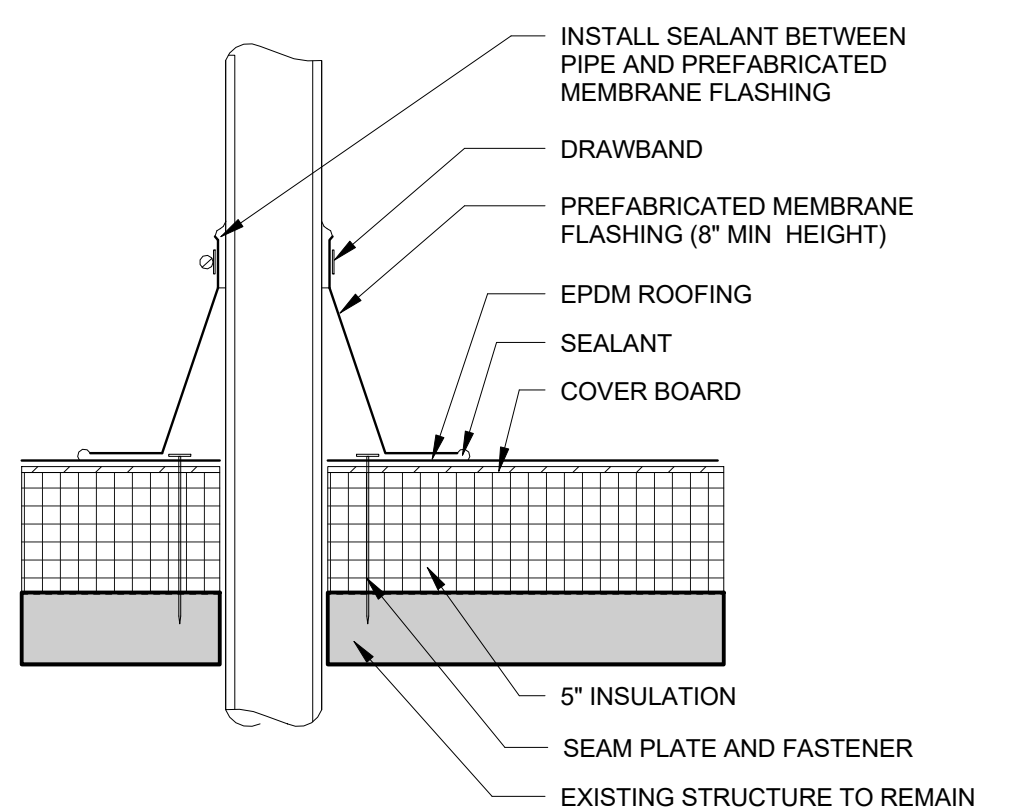


AREA A (HIGGINS) ROOF INFILL AND NEW DECK INSTALLATION FOR ROOF PENETRATION, TYP (VIF)

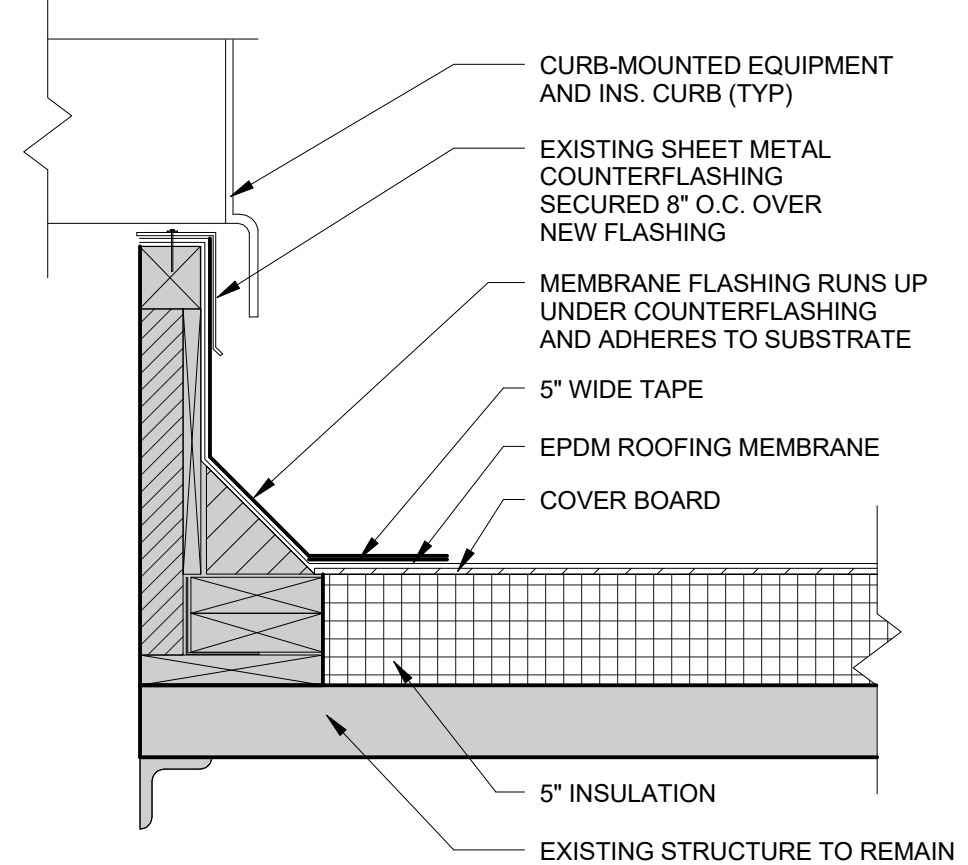
NOTE: ON SOME AREAS, INFILL STARTS AT THE ROOF PARAPET. ALL ASSOCIATED COUNTER FLASHING, WALL FLASHING ON PARAPET WALL OR MECHANICAL SHALL BE REPLACED WITH NEW ONE AS REQUIRED.

ROOF INFILL, TIE-IN AND NEW DECK INSTALLATION DETAIL
1 1/2" = 1'-0"

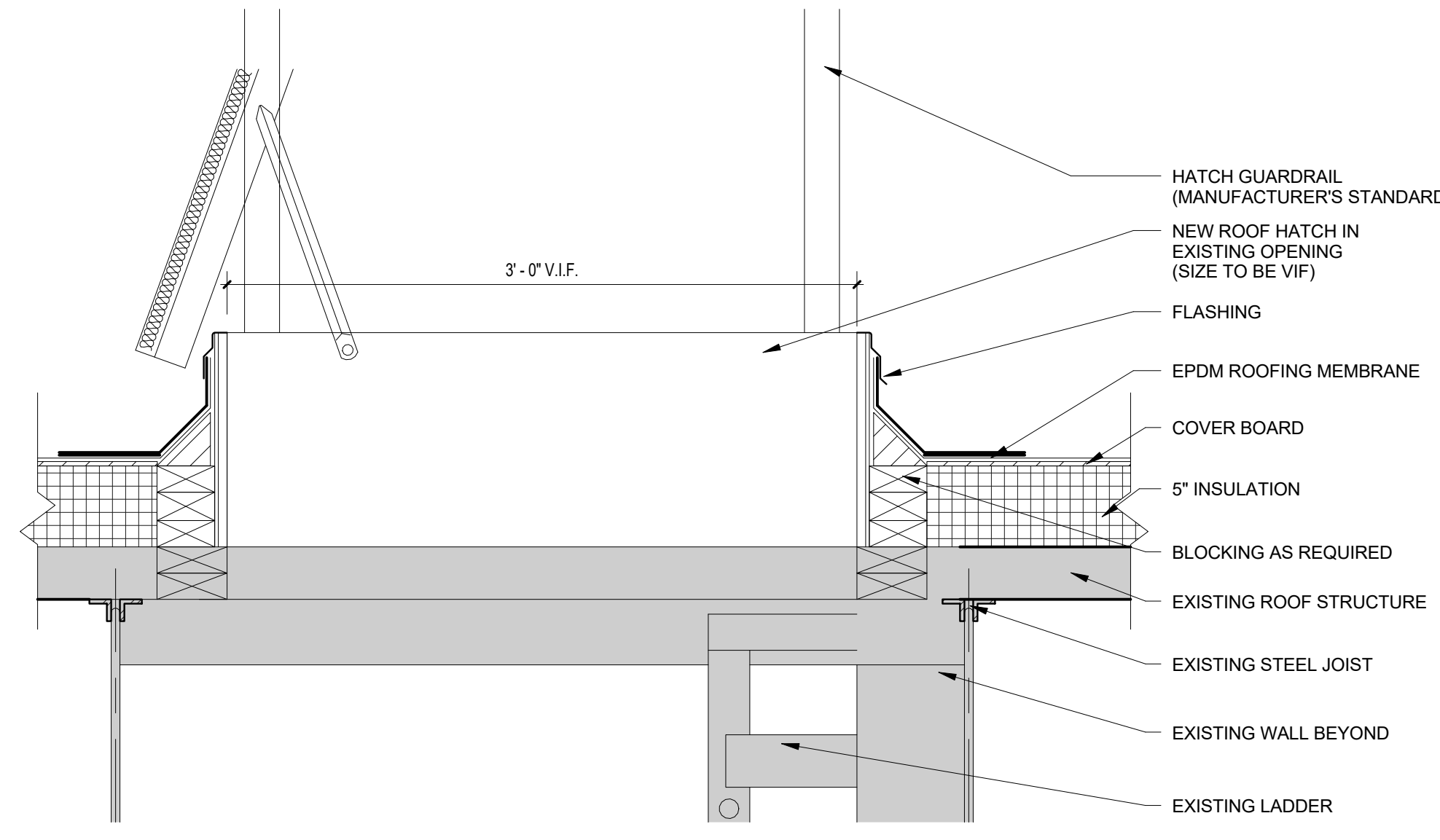
GENERAL ROOF DETAIL NOTES:
- ALL ROOF DRAIN LOCATION AND STRUCTURAL SUPPORTING SHALL BE FIELD VERIFIED
- PROVIDE CONT. WOOD BLOCKING AT ROOF PARAPET WHERE REQUIRED. (VIF)



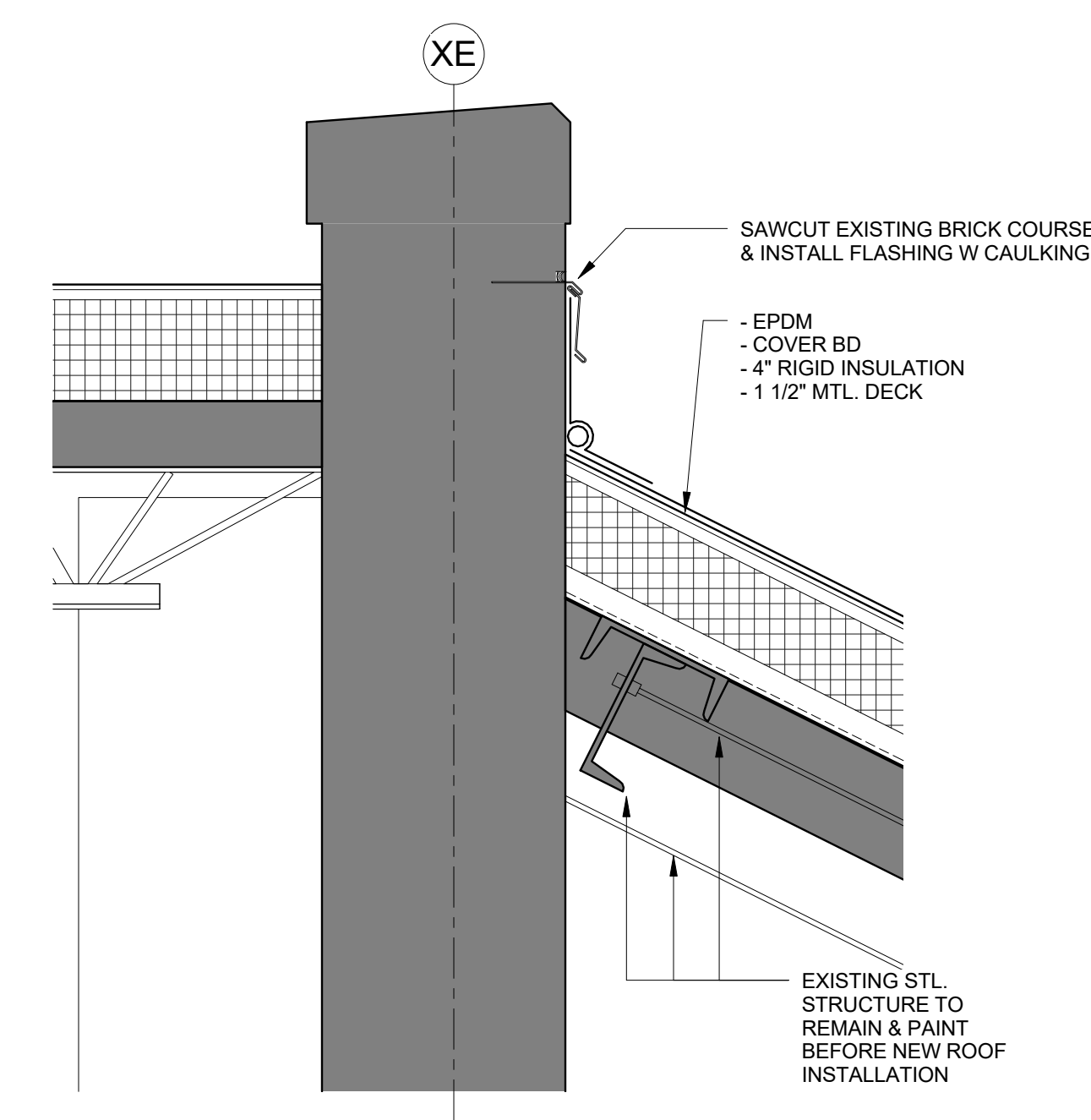
4 ROOF PENETRATION DETAIL
1 1/2" = 1'-0"



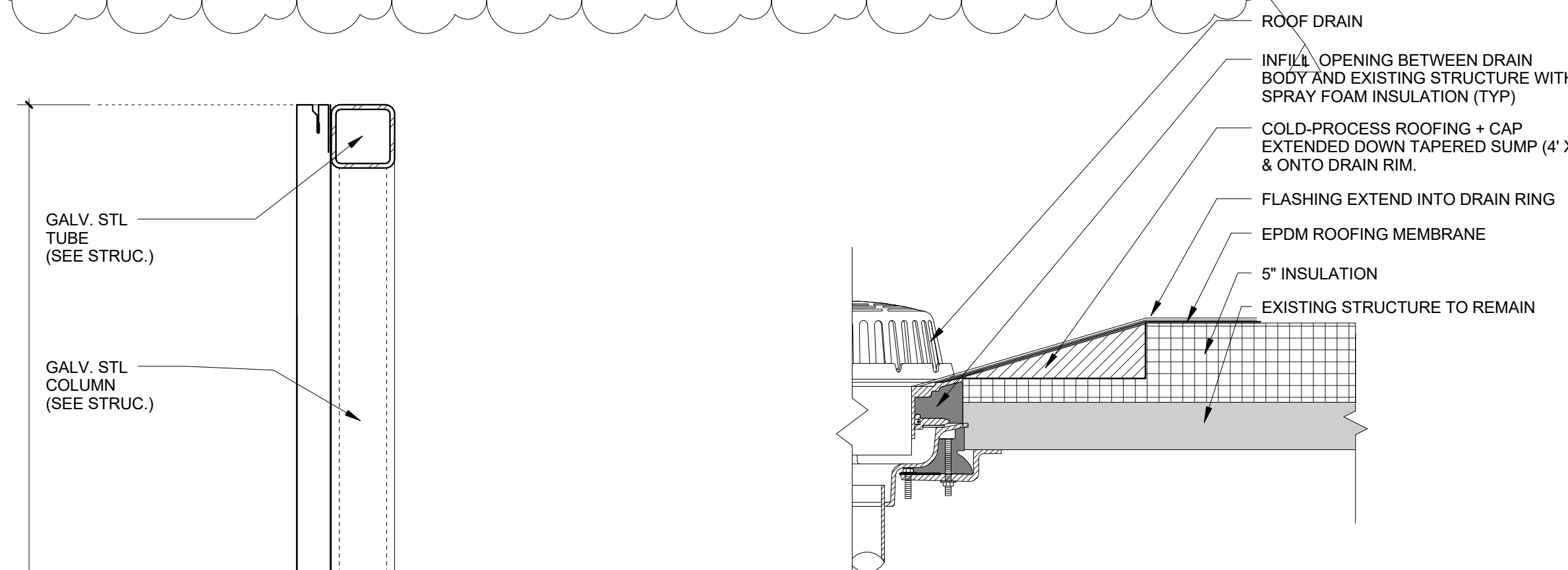
3 EXISTING MECHANICAL CURB FLASHING
1 1/2" = 1'-0"



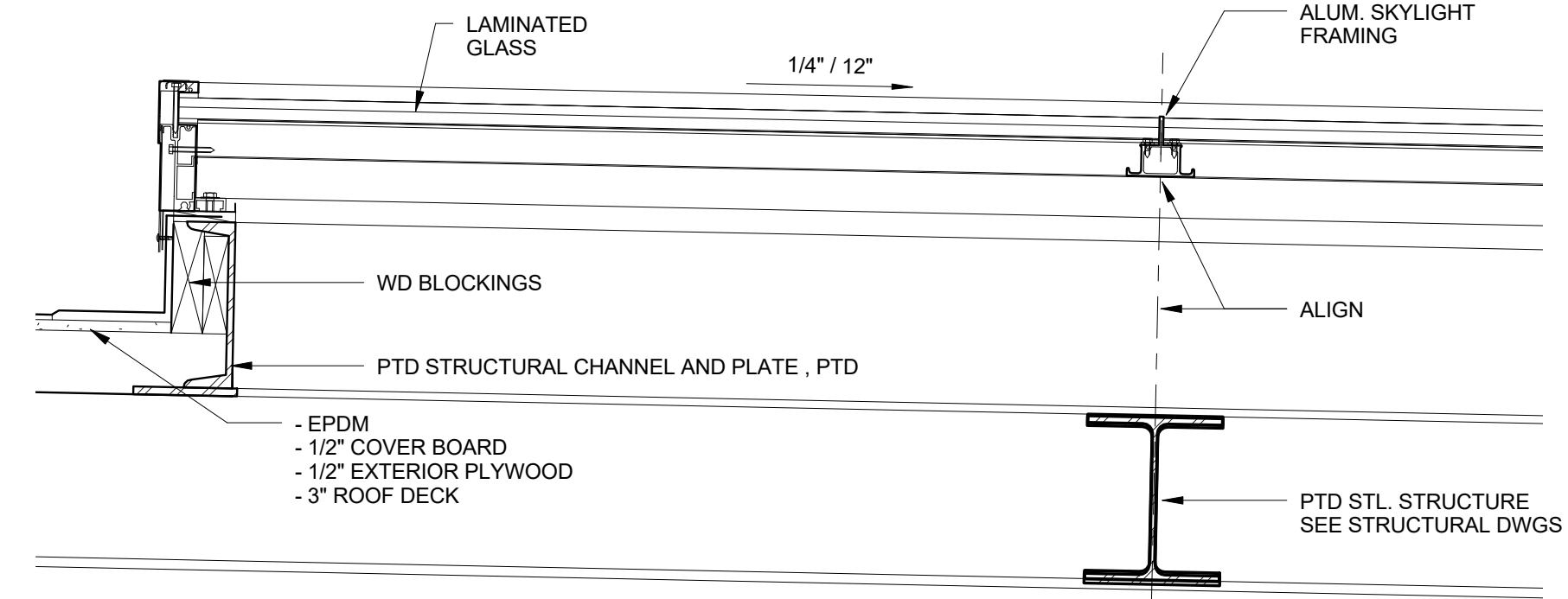
2 ROOF HATCH DETAIL
1 1/2" = 1'-0"



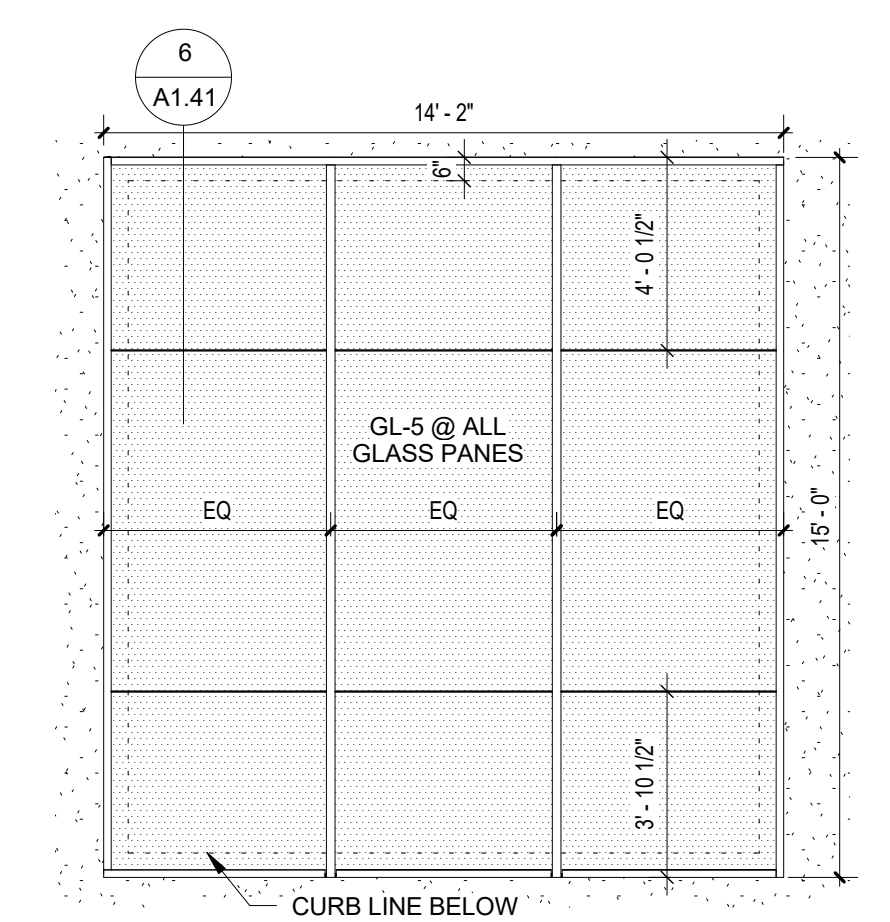
1 SECTION DETAIL
1 1/2" = 1'-0"



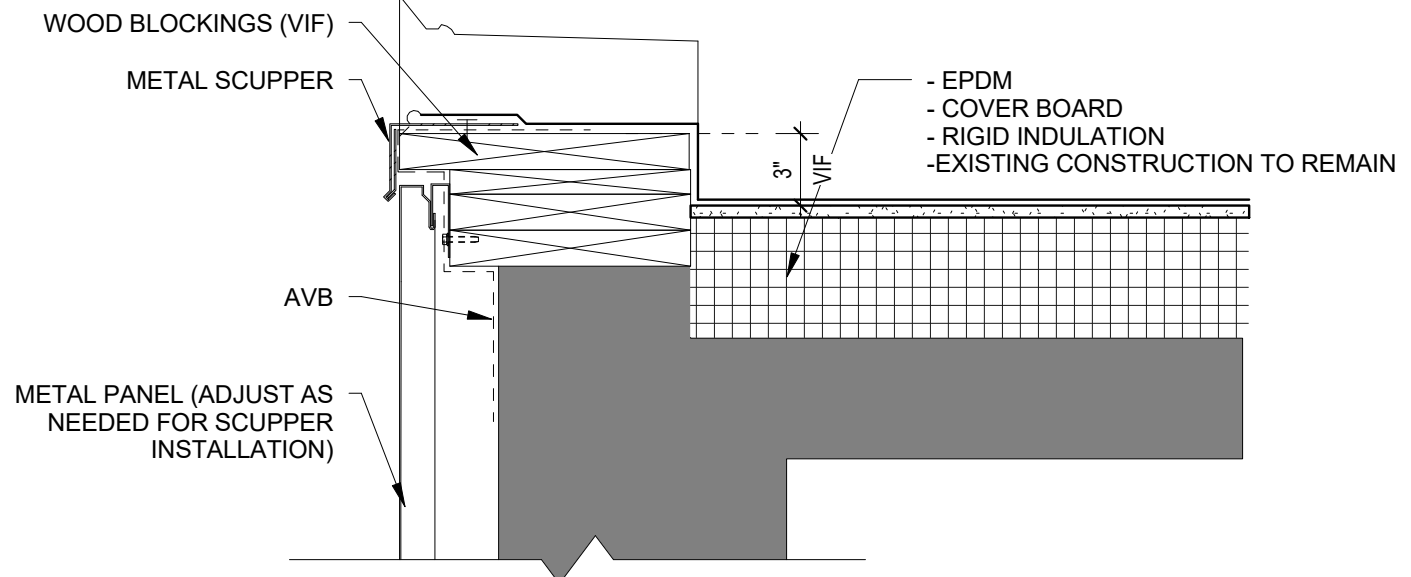
7 ROOF DRAIN DETAIL
1 1/2" = 1'-0"



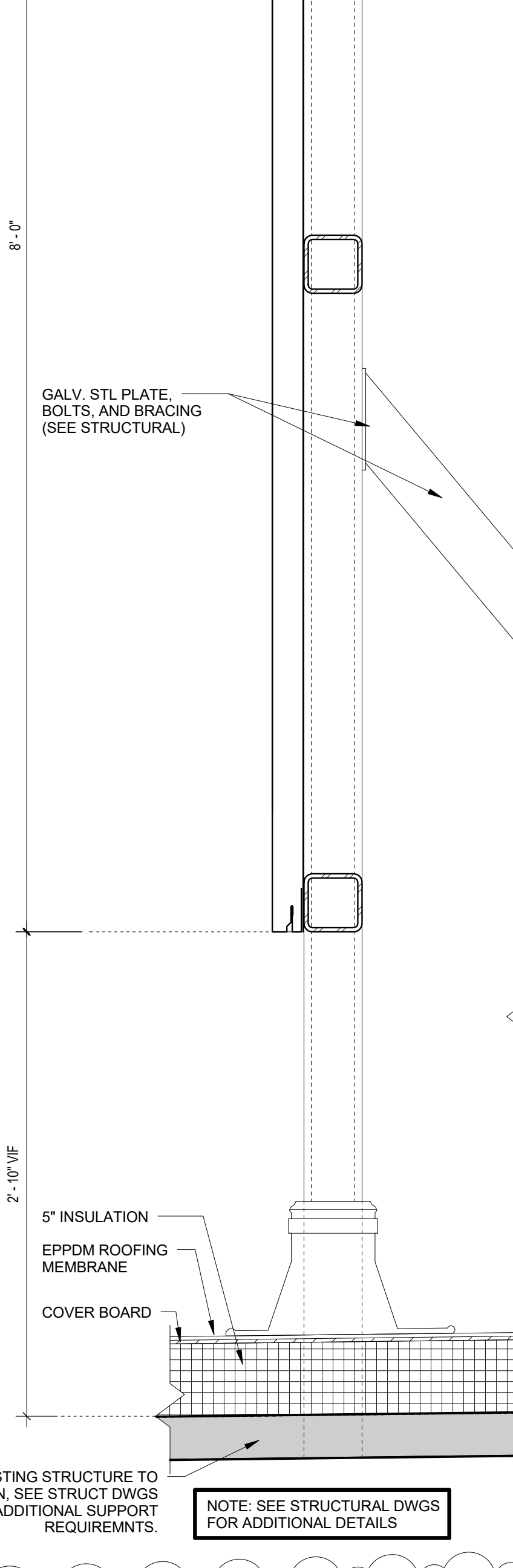
6 SKYLIGHT SECTION DETAIL
1 1/2" = 1'-0"



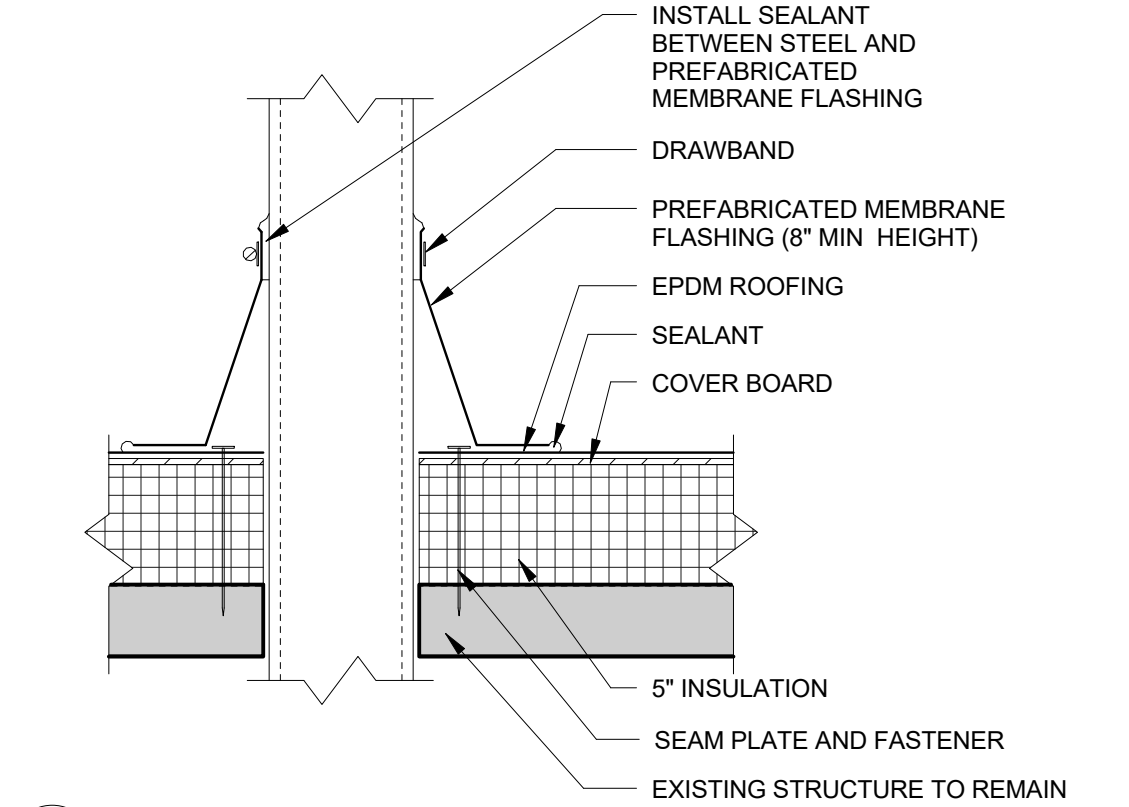
5 SKYLIGHT PLAN
1/4" = 1'-0"



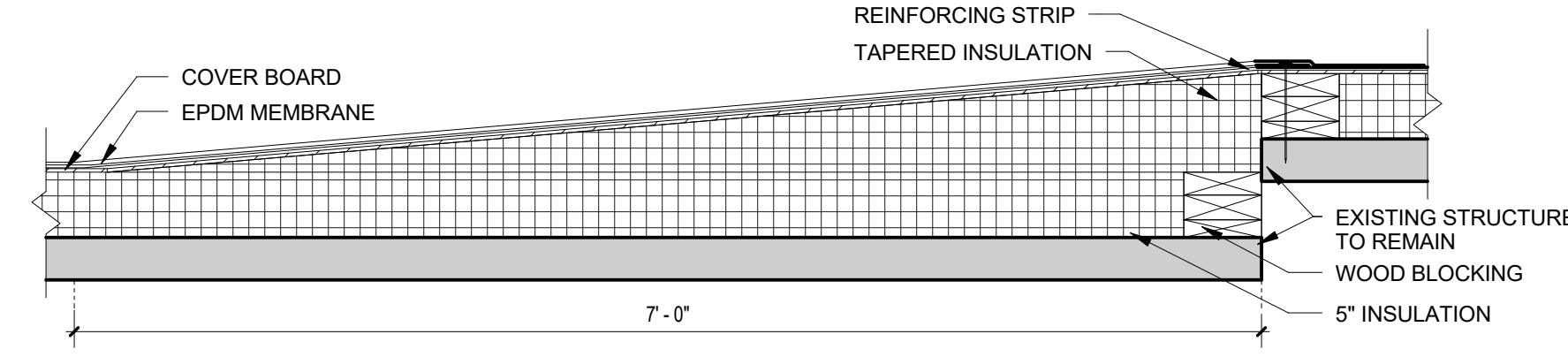
4A ROOF SCUPPER DETAIL (TYP)
1 1/2" = 1'-0"



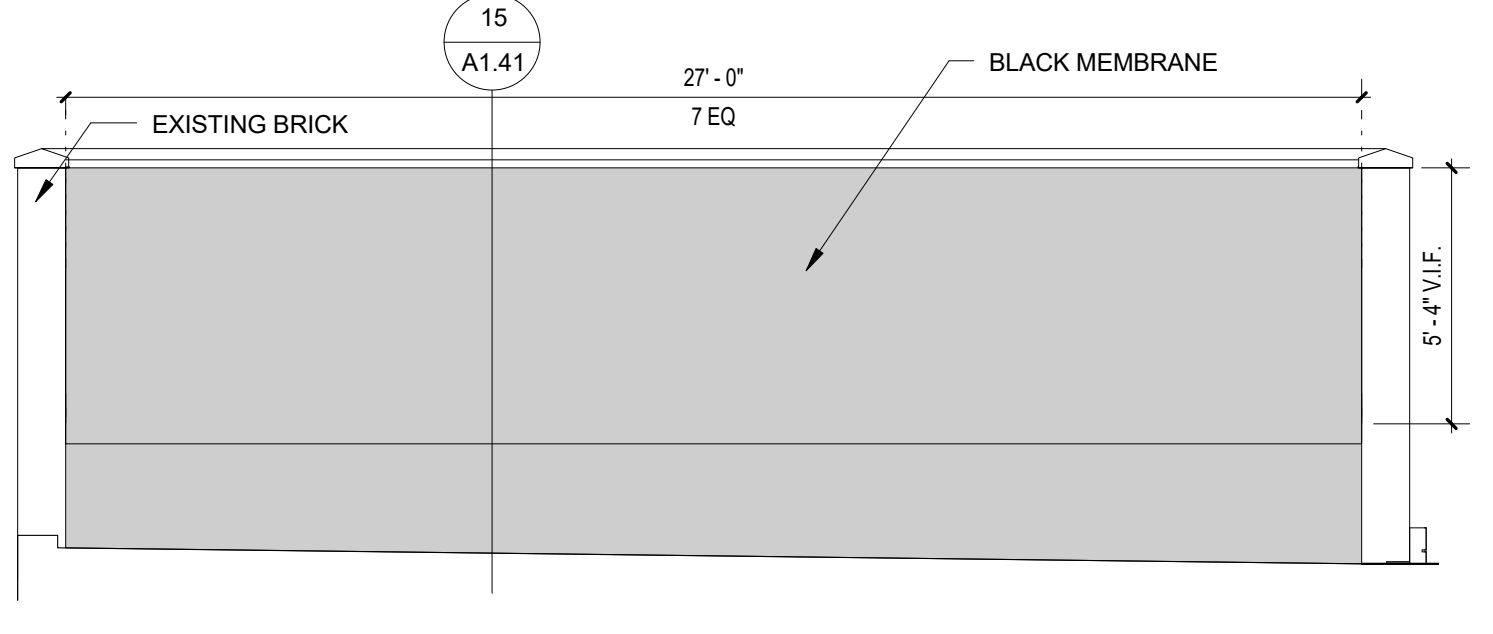
8 ROOF SCREEN SECTION
1 1/2" = 1'-0"



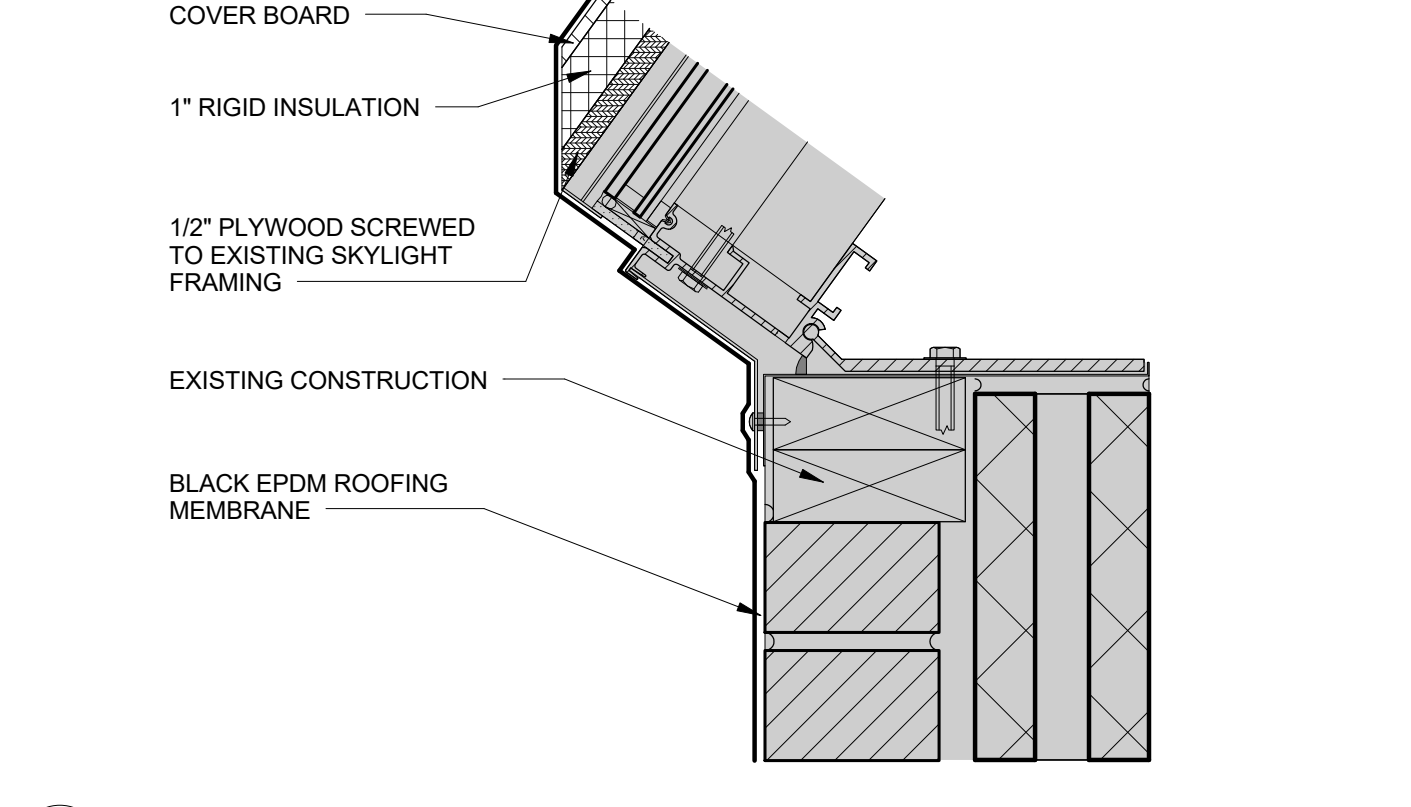
12 DUNNAGE FLASHING DETAIL
1 1/2" = 1'-0"



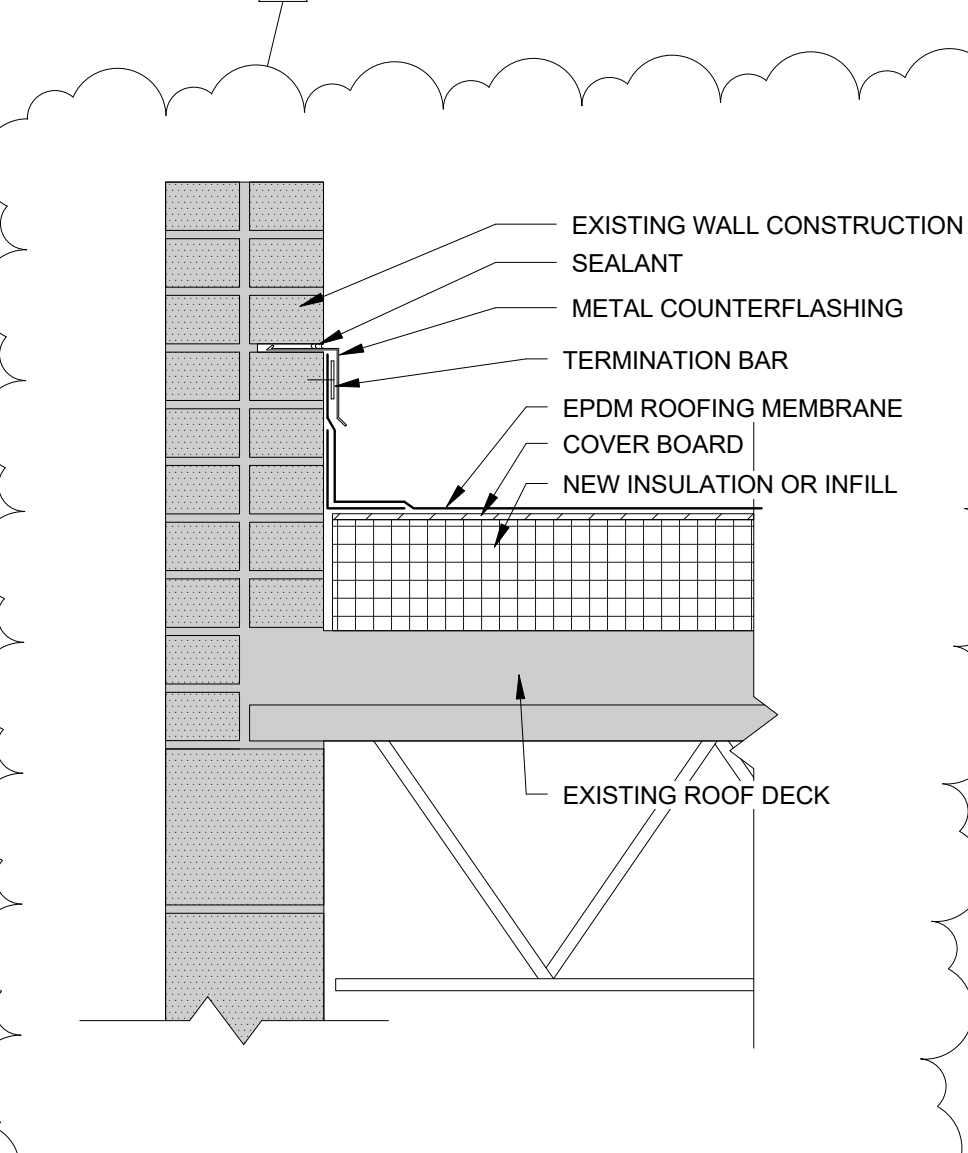
11 ROOF STEP DOWN DETAIL
1" = 1'-0"



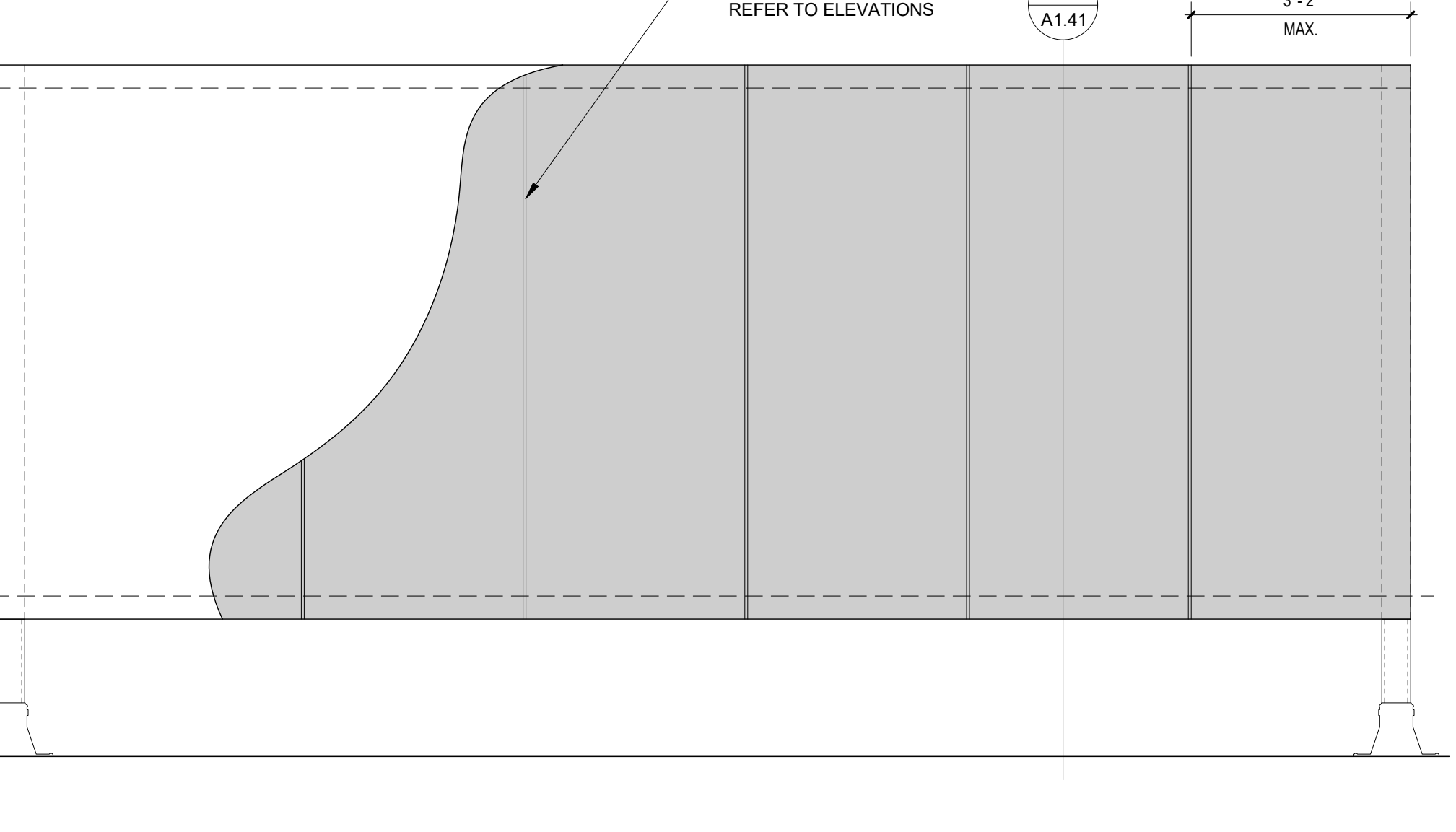
10 EXISTING SKYLIGHT ELEVATION
1/4" = 1'-0"



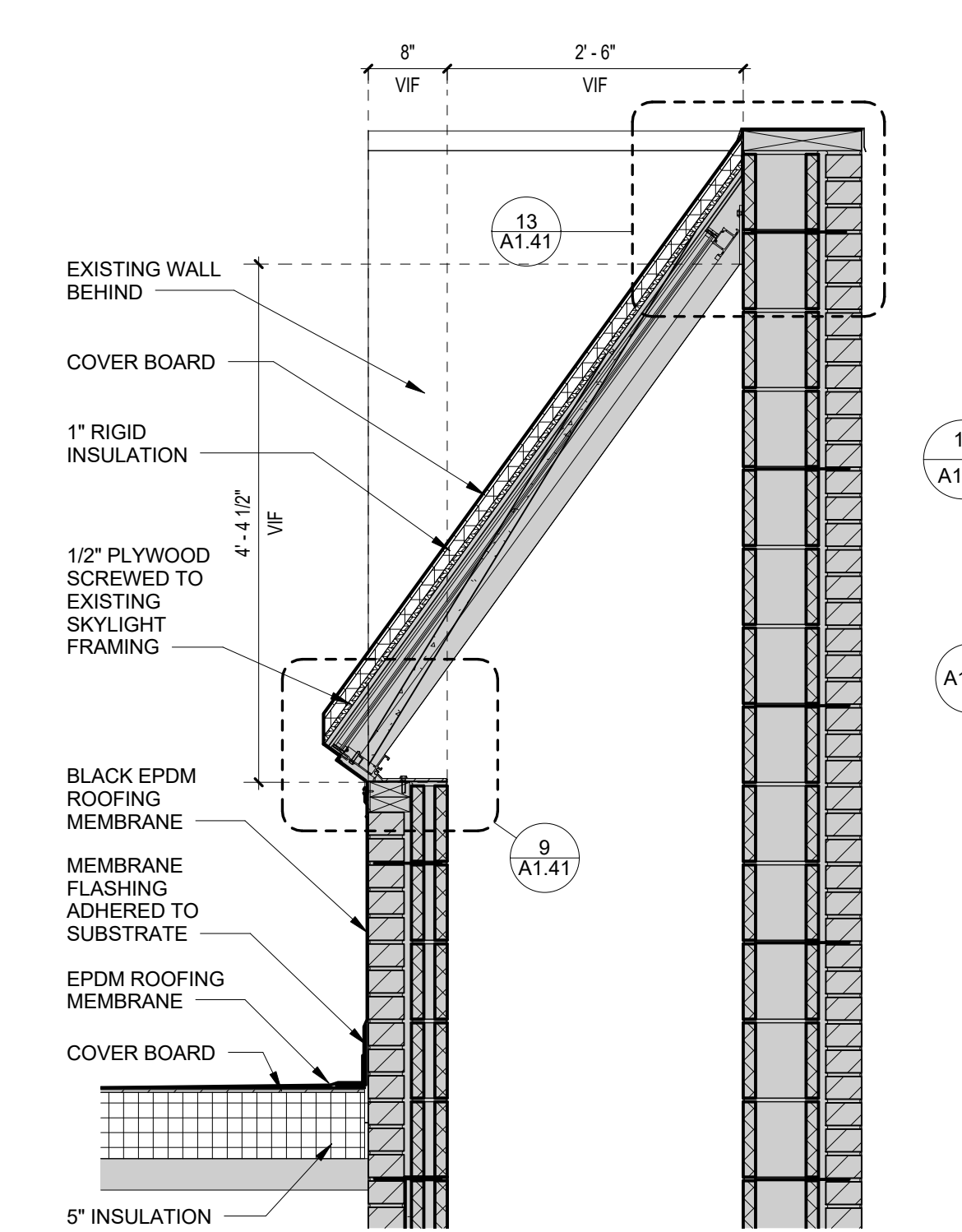
9 EXISTING SKYLIGHT SILL DETAIL
3" = 1'-0"



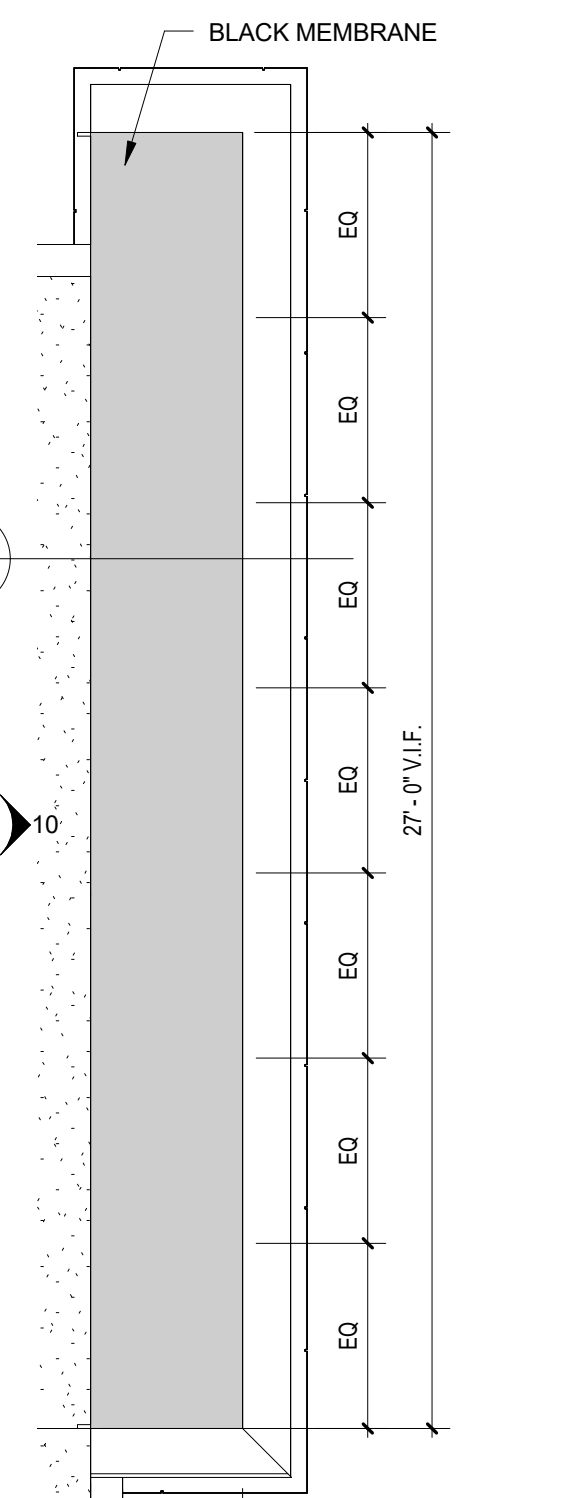
17 COUNTERFLASHING DETAIL AT WALL (TYP)
1 1/2" = 1'-0"



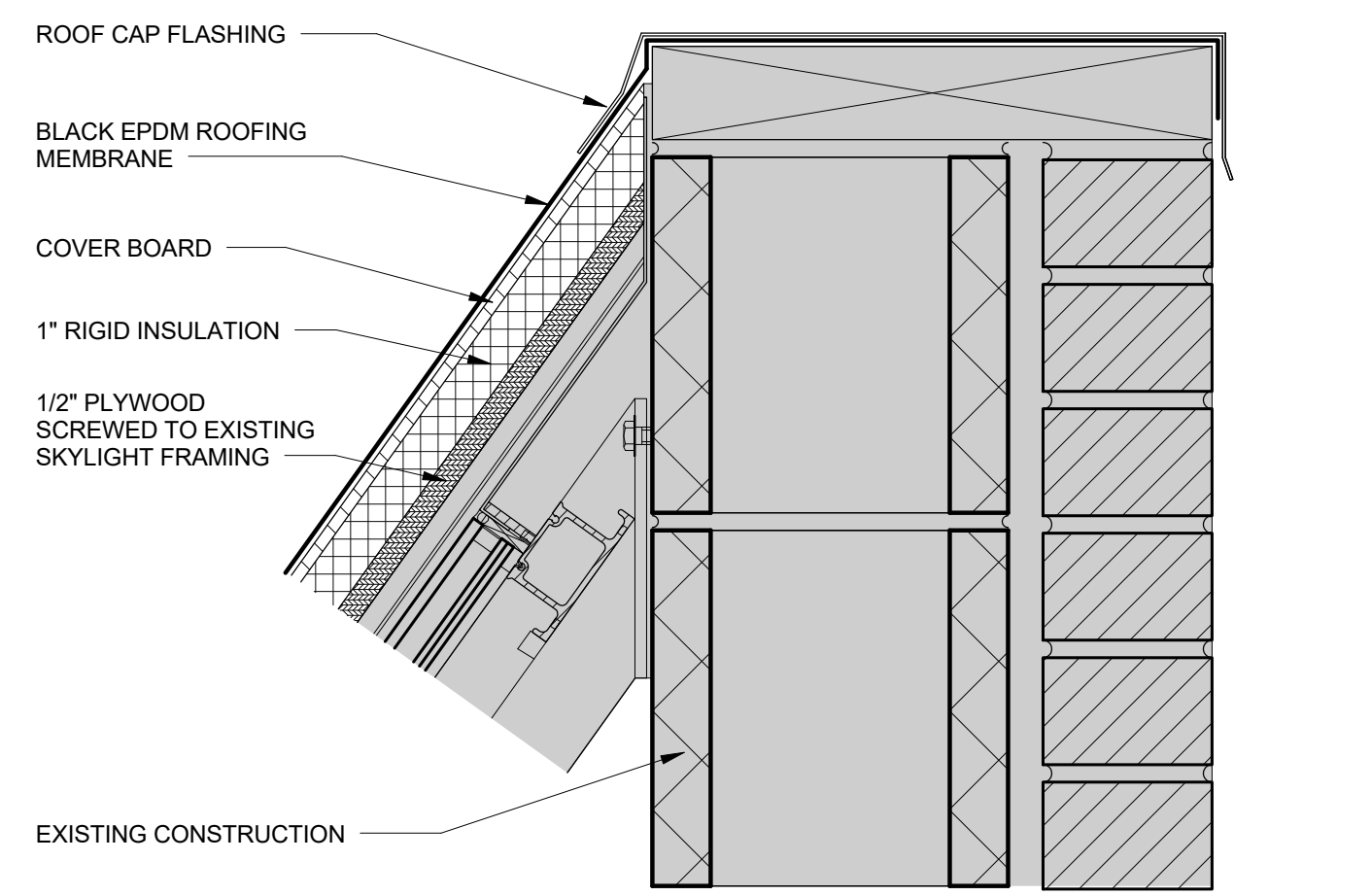
16 ROOF SCREEN ELEVATION
1/2" = 1'-0"



15 EXISTING SKYLIGHT SECTION
3/4" = 1'-0"



14 EXISTING SKYLIGHT PLAN
1/4" = 1'-0"



13 EXISTING SKYLIGHT HEAD DETAIL
3" = 1'-0"

SUBMISSIONS		REVISIONS	
mark	date	mark	date
1	01/29/2018	1	03/20/2018
	100% CD BID PACKAGE		100% CD BID PKG Suppl. #2

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF CONSTRUCTION SERVICES

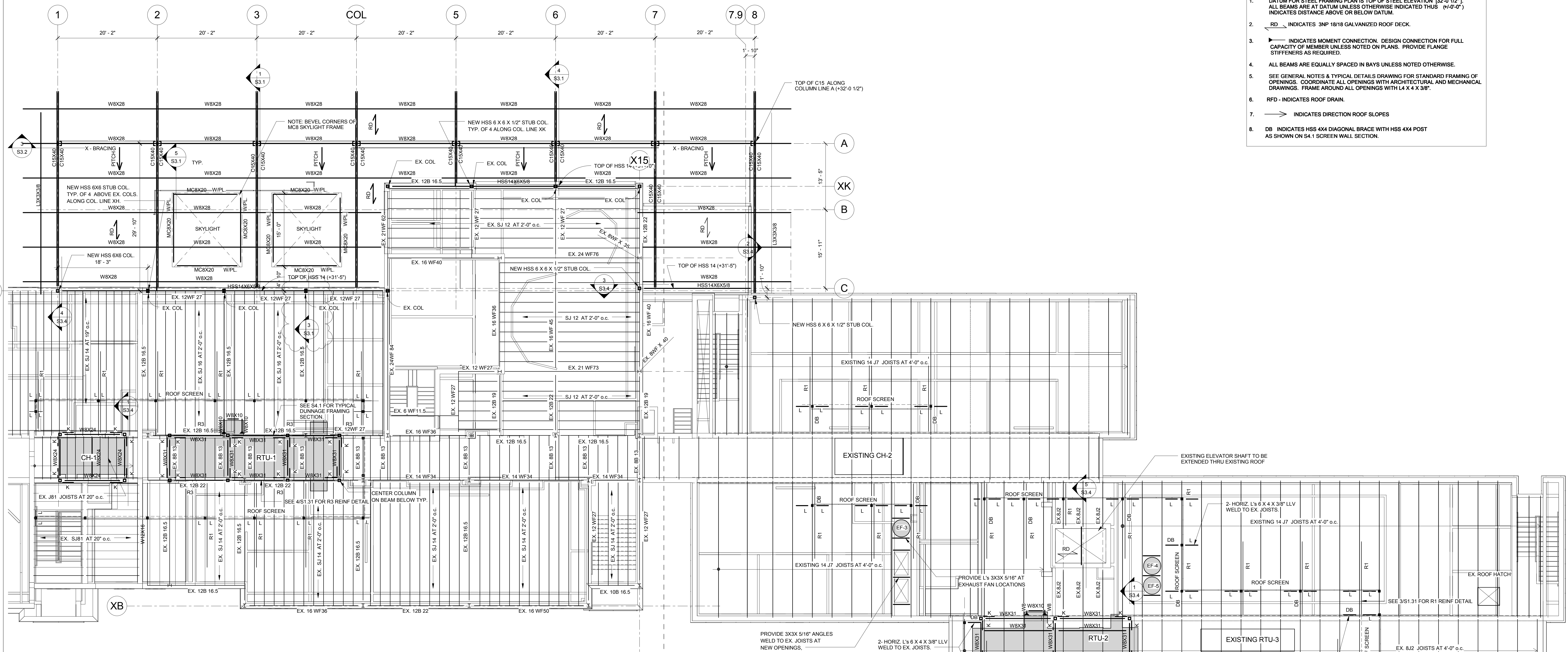
drawing prepared by: **TSKP STUDIO**
145 Wyllys Street, Bldg 1-203
Hartford, CT 06106
860.547.1970 | www.tskp.com

project: **WCSU, RENOVATIONS TO HIGGINS HALL AND ANNEX**
DANBURY, CT
state project no. 81-RD-290
office project no. 150501

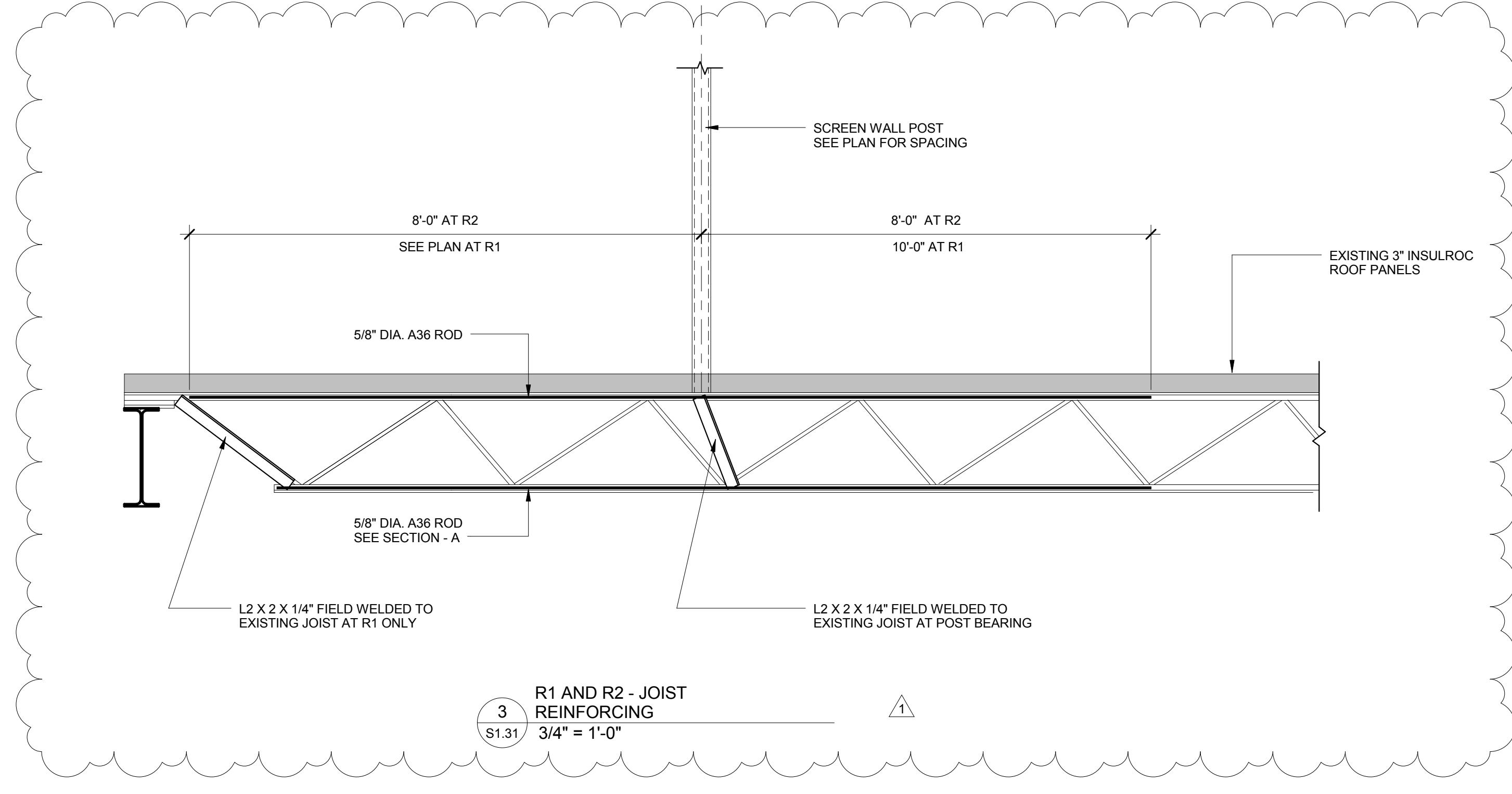
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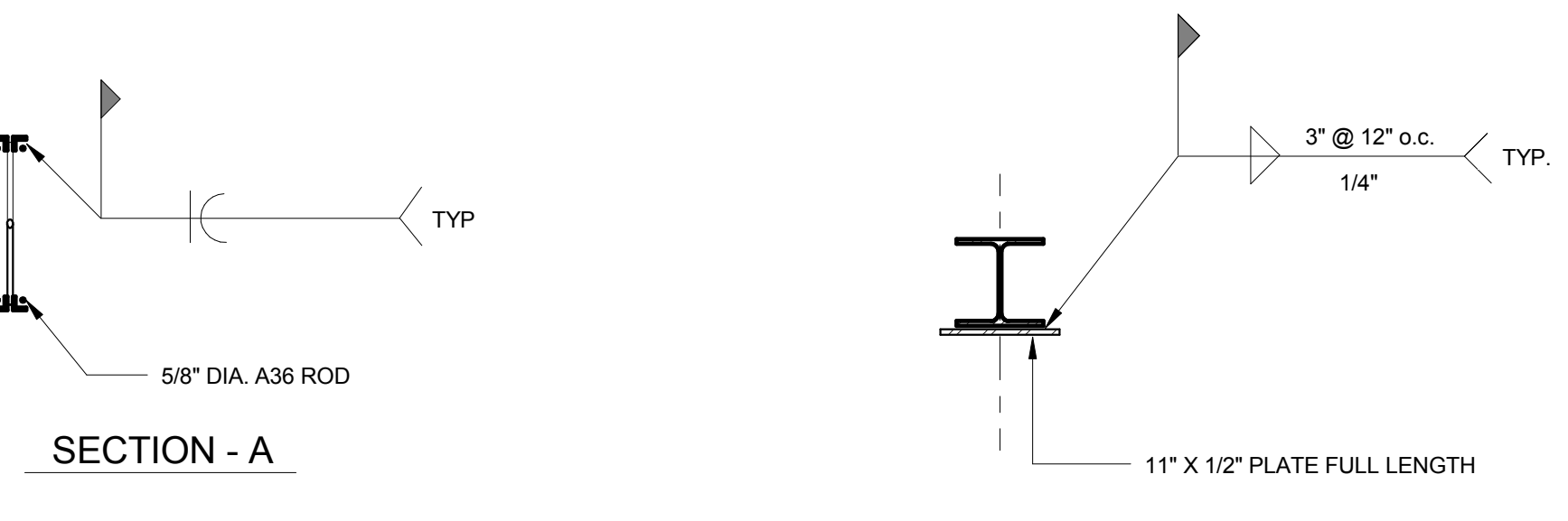
- ROOF FRAMING NOTES:**
- DATUM FOR STEEL FRAMING PLAN IS TOP OF STEEL ELEVATION [32'-0 1/2"]. ALL BEAMS ARE AT DATUM UNLESS OTHERWISE INDICATED THUS (+/-0'-0") INDICATES DISTANCE ABOVE OR BELOW DATUM.
 - RD INDICATES 3MP 18/18 GALVANIZED ROOF DECK.
 - INDICATES MOMENT CONNECTION. DESIGN CONNECTION FOR FULL CAPACITY OF MEMBER UNLESS NOTED ON PLANS. PROVIDE FLANGE STIFFENERS AS REQUIRED.
 - ALL BEAMS ARE EQUALLY SPACED IN BAYS UNLESS NOTED OTHERWISE.
 - SEE GENERAL NOTES & TYPICAL DETAILS DRAWING FOR STANDARD FRAMING OF OPENINGS. COORDINATE ALL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. FRAME AROUND ALL OPENINGS WITH L4 X 4 X 3/8".
 - RFD - INDICATES ROOF DRAIN.
 - INDICATES DIRECTION ROOF SLOPES
 - DB INDICATES HSS 4X4 DIAGONAL BRACE WITH HSS 4X4 POST AS SHOWN ON S4.1 SCREEN WALL SECTION.



1 ROOF FRAMING PLAN
S1.31 1/8" = 1'-0"



3 R1 AND R2 - JOIST REINFORCING
S1.31 3/4" = 1'-0"



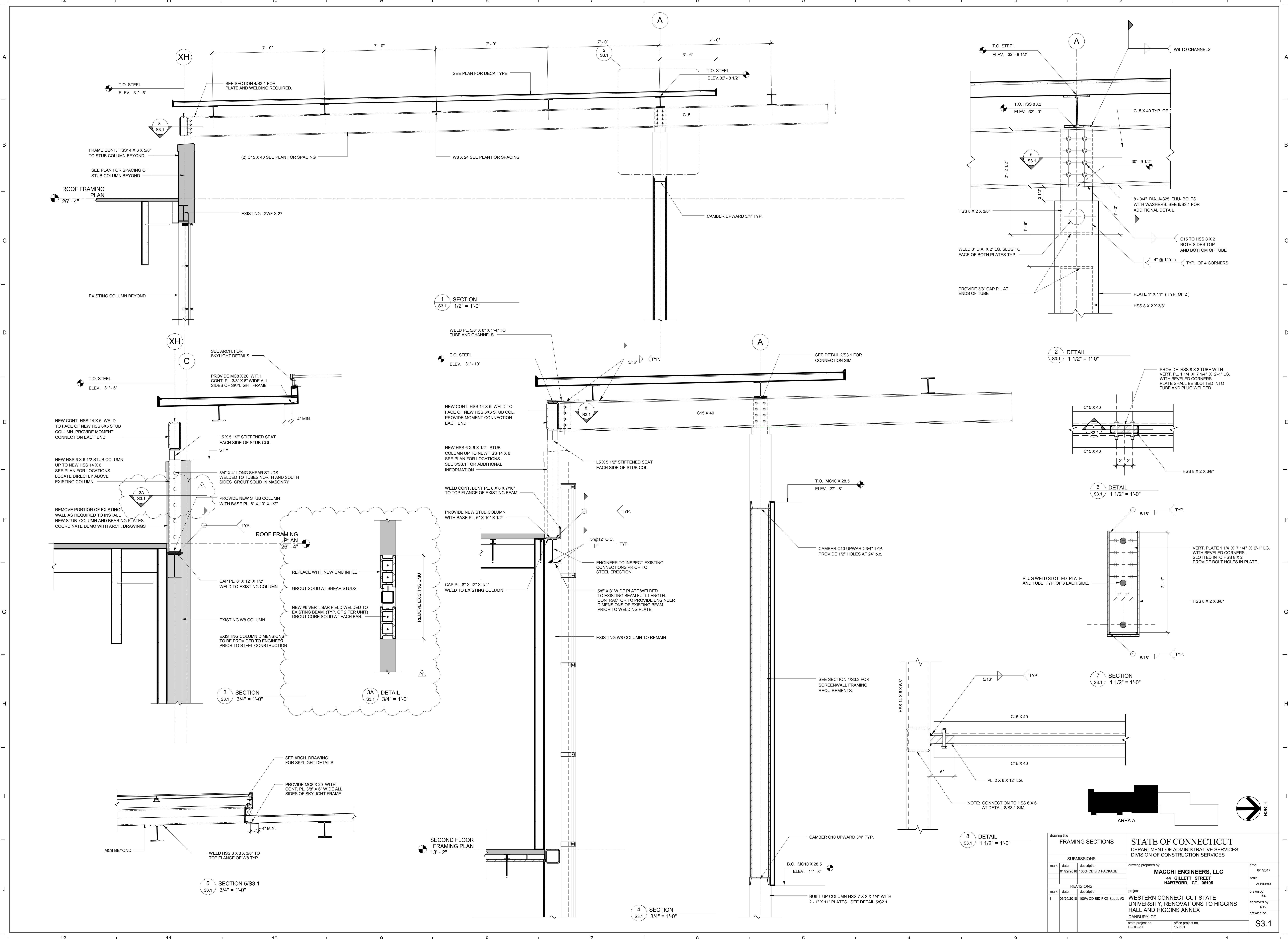
4 R3 BEAM REINFORCING
S1.31 3/4" = 1'-0"



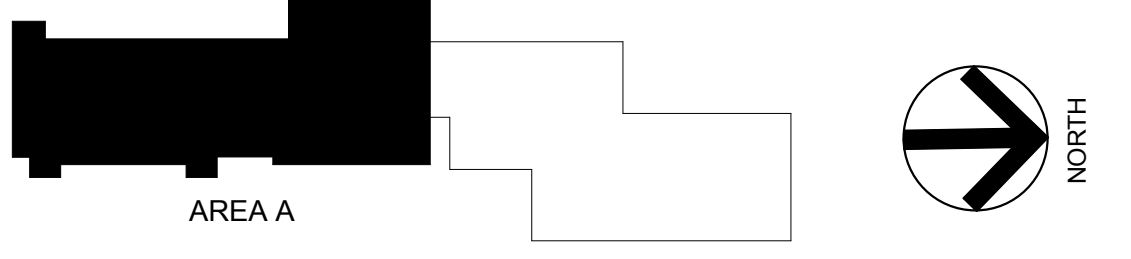
drawing title		STATE OF CONNECTICUT	
ROOF FRAMING PLAN		DEPARTMENT OF ADMINISTRATIVE SERVICES	
SUBMISSIONS		DIVISION OF CONSTRUCTION SERVICES	
mark	date	description	date
	01/29/2018	100% CD BID PACKAGE	6/1/2017
REVISIONS		drawing prepared by:	scale
mark	date	description	As Indicated
1	03/20/2018	100% CD BID PKG Suppl. #2	drawn by:
			J.Z.
			approved by:
			M.P.
			drawing no.
			S1.31

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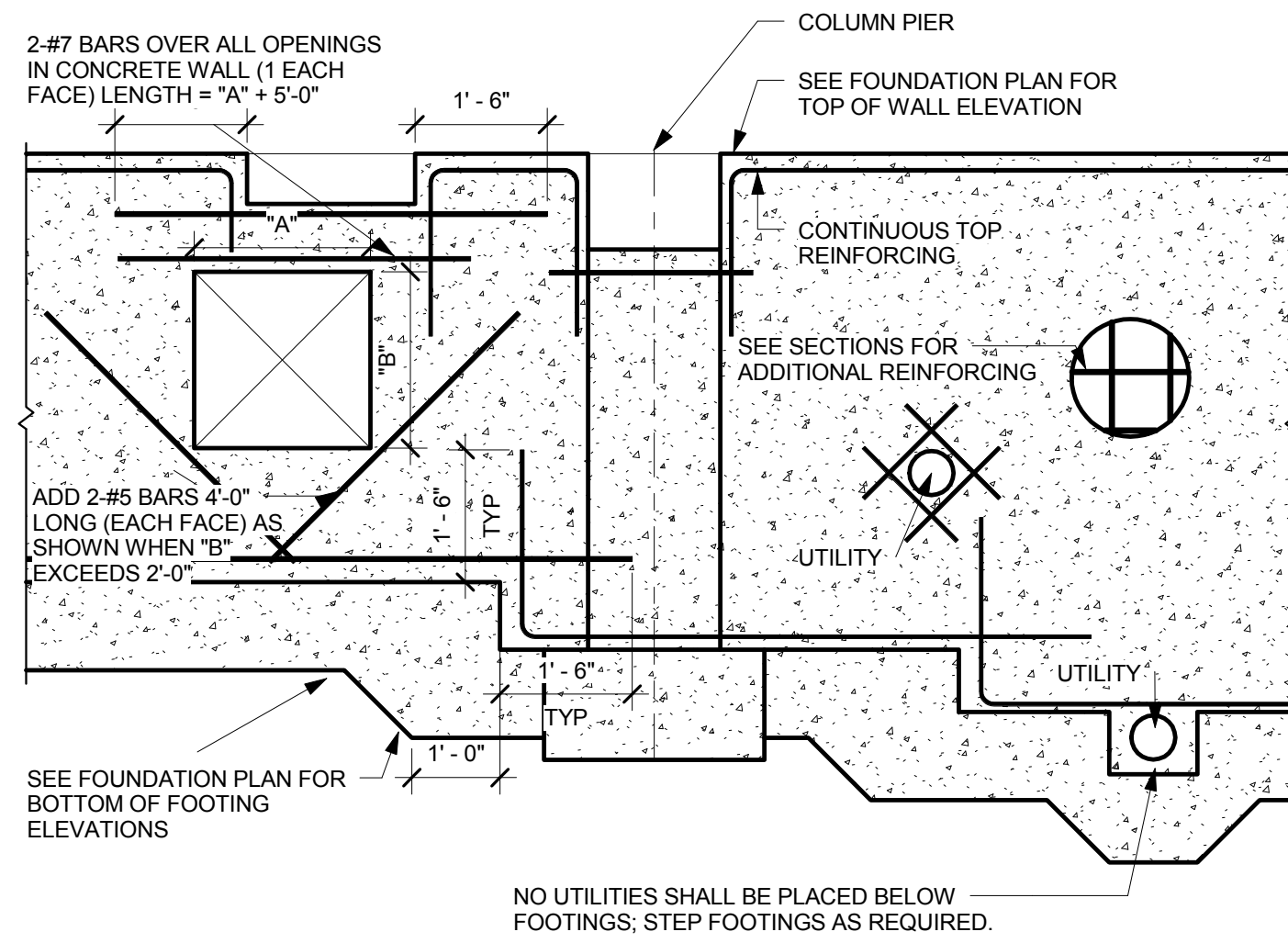
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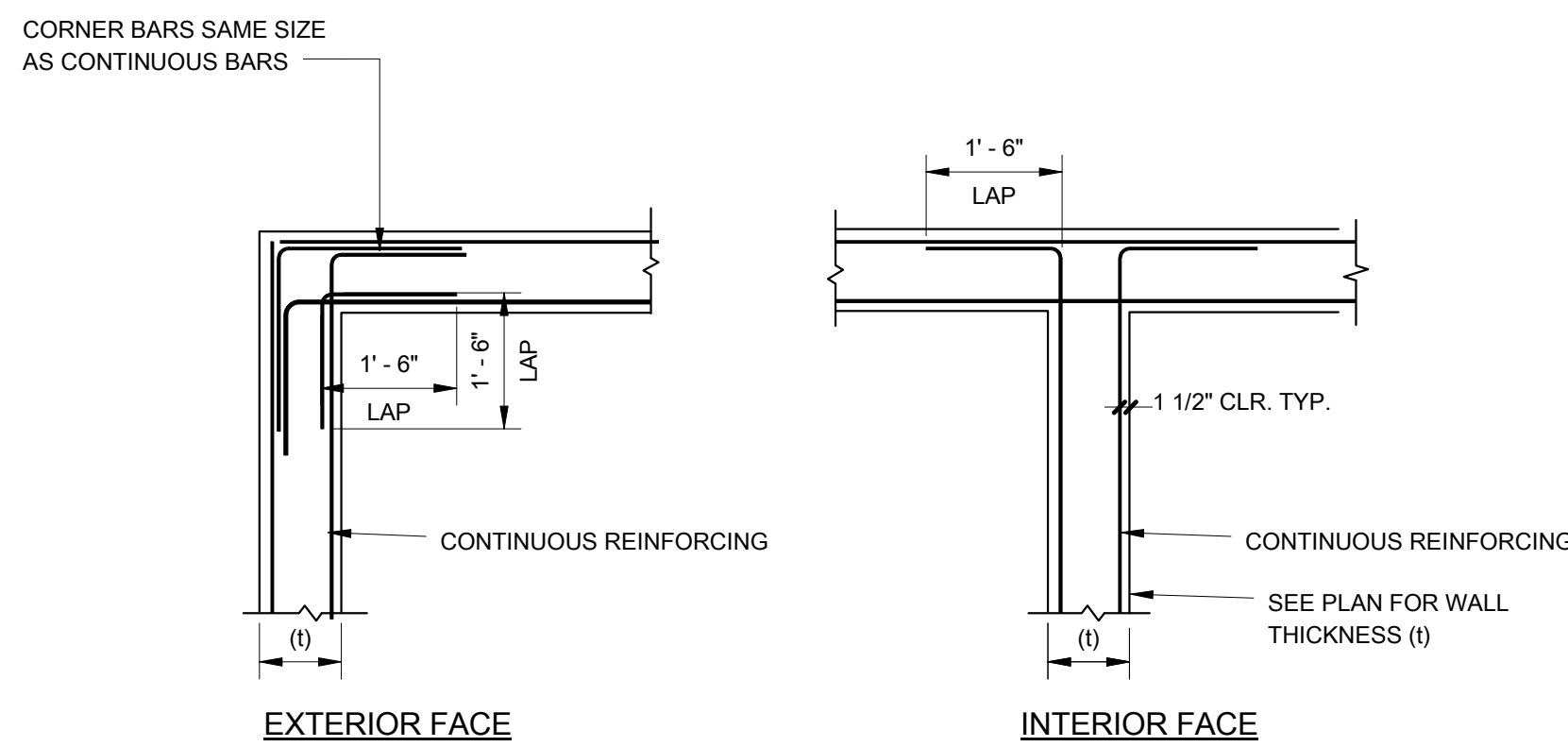
DRAWING TITLE		STATE OF CONNECTICUT	
FRAMING SECTIONS		DEPARTMENT OF ADMINISTRATIVE SERVICES	
SUBMISSIONS		DIVISION OF CONSTRUCTION SERVICES	
mark	date	description	drawing prepared by:
	01/29/2018	100% CD BID PACKAGE	MACCHI ENGINEERS, LLC
			44 GILLET STREET
			HARTFORD, CT. 06105
			DATE: 6/1/2017
			SCALE: As indicated
REVISIONS		project	drawn by:
mark	date	description	J.Z.
1	03/20/2018	100% CD BID PKG Suppl. #2	approved by:
			M.P.
			drawing no.
			S3.1
state project no.	office project no.		
81-RD-290	150501		



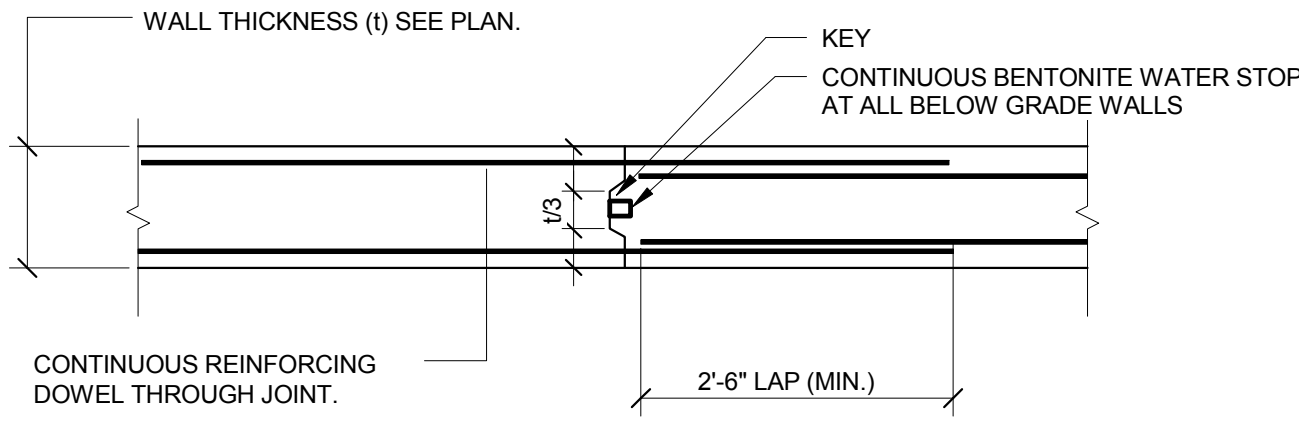
DATE: 6/1/2017
SCALE: As indicated
DRAWN BY: J.Z.
APPROVED BY: M.P.
DRAWING NO: S3.1



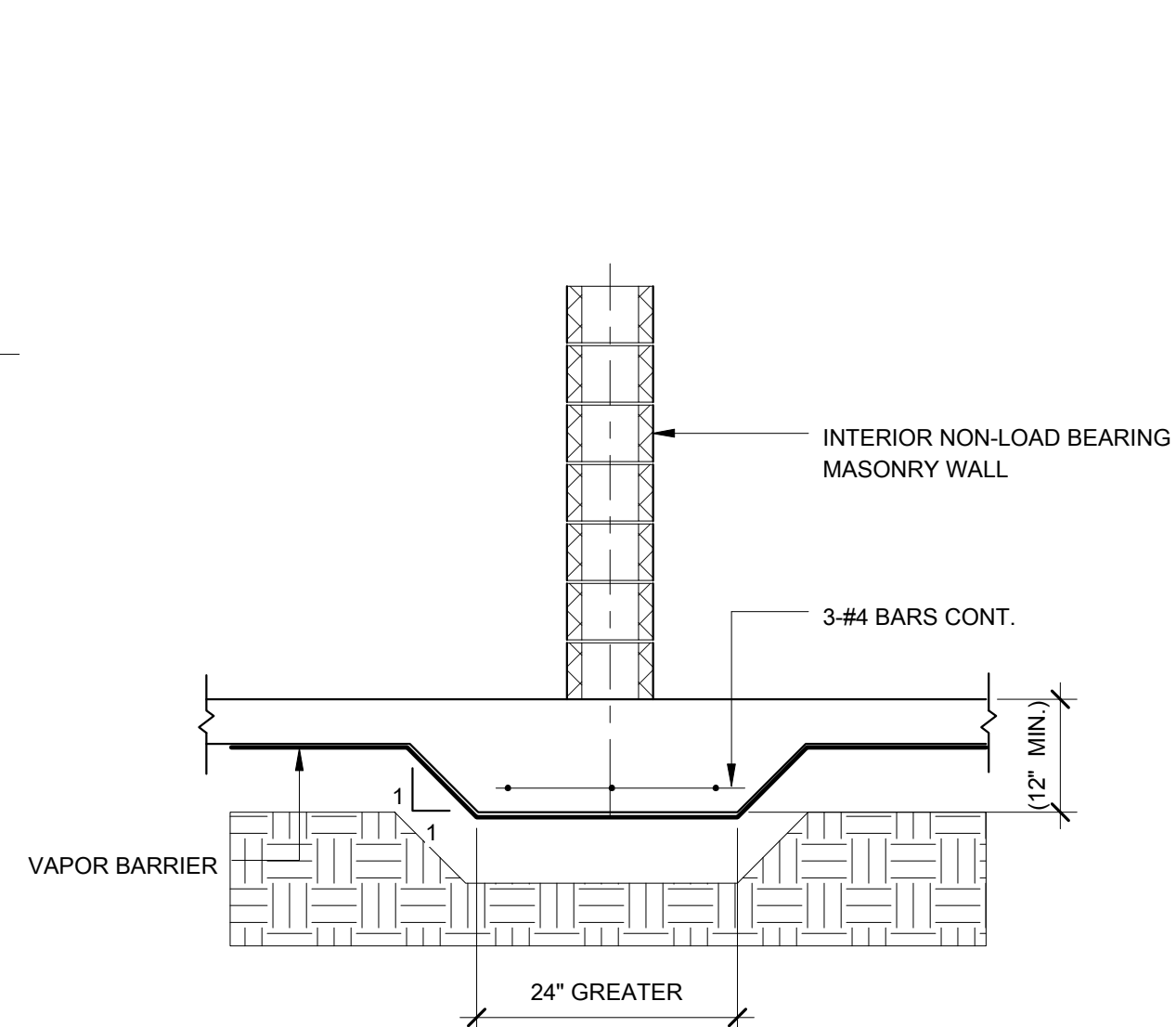
TYPICAL FOUNDATION WALL REINFORCING DETAIL
NOT TO SCALE



TYPICAL WALL REINFORCING DETAIL
NOT TO SCALE



TYPICAL WALL CONSTRUCTION JOINT DETAIL
NOT TO SCALE



TYPICAL HAUNCH SLAB UNDER INTERIOR MASONRY
NOT TO SCALE

OPENING SIZE	REINFORCEMENT PLATE
0" TO 6"	0.035" PLATE
6.1" TO 8"	0.045" PLATE
8.1" TO 12"	0.057" PLATE

- NOTES:
- FASTEN REINFORCEMENT PLATE TO ROOF DECK WITH A #10 SCREW AT EVERY FLUTE ALL AROUND.
 - WHEN ROOF DECK PENETRATION EXCEEDS 12", PROVIDE ANGLE FRAME AS INDICATED IN THE GENERAL NOTES SECTION E NOTE 1.
 - OPENINGS SHALL BE SPACED A MINIMUM OF 3'-0" APART CENTER TO CENTER.
 - EDGE OF OPENING SHALL BE MINIMUM OF 5'-0" FROM THE END OF THE DECK.

DESIGN DATA

CODES AND STANDARDS USED:

2016 CONNECTICUT BUILDING CODE
 2012 INTERNATIONAL BUILDING CODE
 AMERICAN CONCRETE INSTITUTE BUILDING CODE (ACI-318-11)
 AMERICAN INSTITUTE OF STEEL CONSTRUCTION "ALLOWABLE STRESS DESIGN" (AISC-14TH EDITION, ANSIS/AISC 360-10)
 STEEL DECK INSTITUTE REQUIREMENTS
 STEEL JOIST INSTITUTE REQUIREMENTS
 ACI 530-11 / ASCE 5-11 / TMS 602-11 MASONRY CODES
 ACI 530-11 / ASCE 6-11 / TMS 602-11 MASONRY SPECIFICATIONS

ALLOWABLE STRESSES: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

REINFORCING STEEL: ASTM A-615, GRADE 60 AND ASTM A-185
 CONCRETE - f_c AT 28 DAYS
 4,000 PSI FOR ALL FOOTINGS AND WALLS
 4,000 PSI FOR ALL SLABS ON GRADE
 4,000 PSI FOR ALL SLABS ON METAL DECK
 1,500 PSI FOR ALL MUD SLABS
 ALLOWABLE BEARING STRESS - 2,000 PSF

MASONRY: - f_m AT 28 DAYS = 1,900 PSI

GROUT: - f_c AT 28 DAYS = 3,000 PSI

STEEL DECK PROPERTIES:

ROOF DECK: - 3" 18"18 GAGE TYPE S1P (GALVANIZED)
 MINIMUM $S_p = 0.919$ in³
 MINIMUM $I_p = 1.948$ in⁴

FORM DECK: - 1.0C20 FORM DECKING (GALVANIZED)
 MINIMUM $S_p = 0.165$ in³
 MINIMUM $I_p = 0.088$ in⁴

BASIC LATERAL STRUCTURAL SYSTEM:

STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE AND ORDINARY MOMENT AND BRACED FRAMES.

WIND LOAD REQUIREMENTS: (IBC SECTION 1609) WIND BORNE DEBRIS REGION

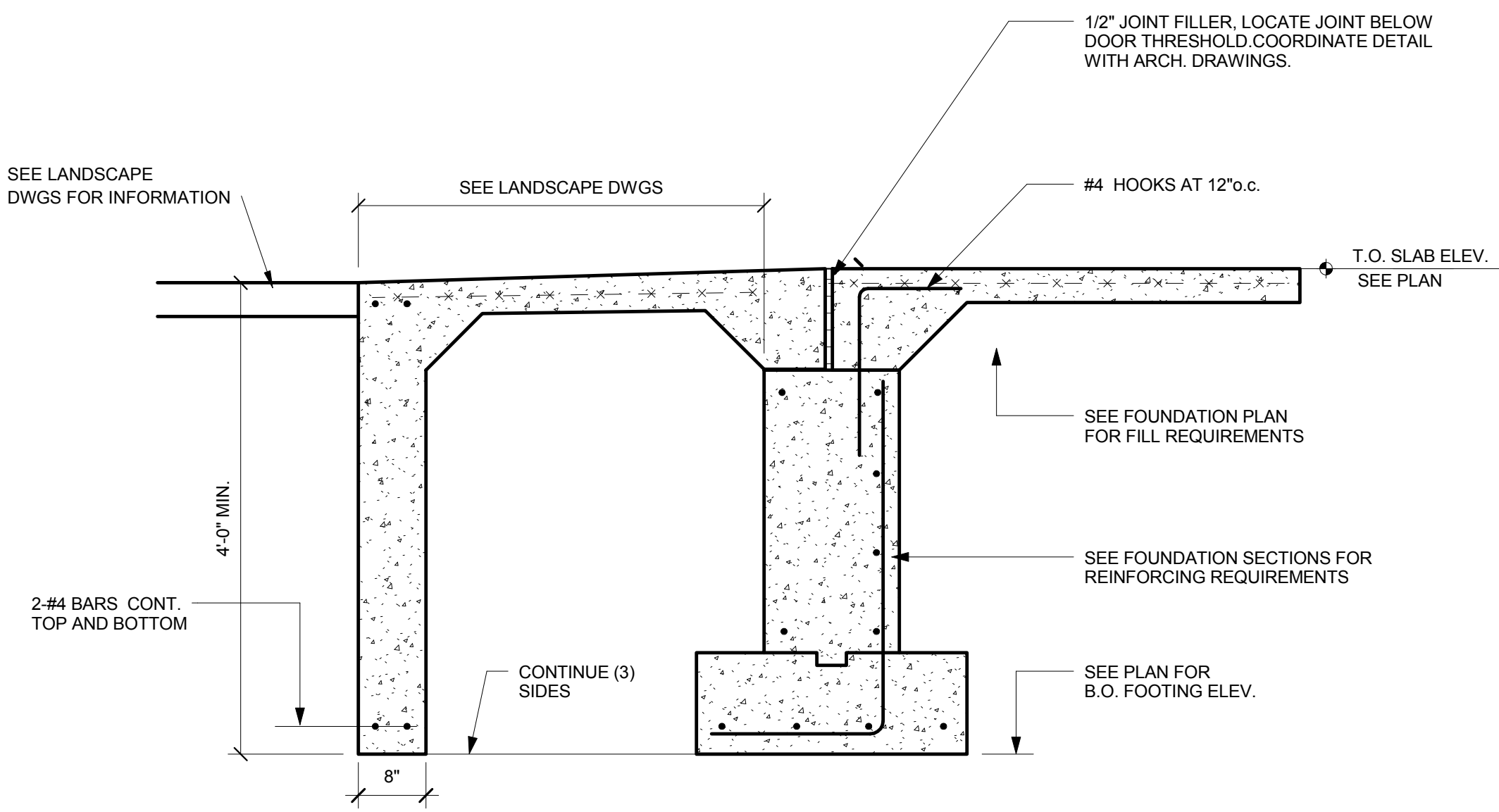
ULTIMATE DESIGN WIND SPEED $V_{ult} = 125$ MPH (DANBURY)
 NOMINAL DESIGN WIND SPEED $V_{asd} = 97$ MPH (DANBURY)
 RISK CATEGORY III (IBC 1604.5)
 EXPOSURE CATEGORY B (IBC 1609.4)
 WALL PRESSURES VARY UPON LOCATION-DETERMINED BY ASCE 7-CHAPTER 28-30 HURRICANE PRONE REGION

EARTHQUAKE REQUIREMENTS: (IBC SECTIONS 1613)

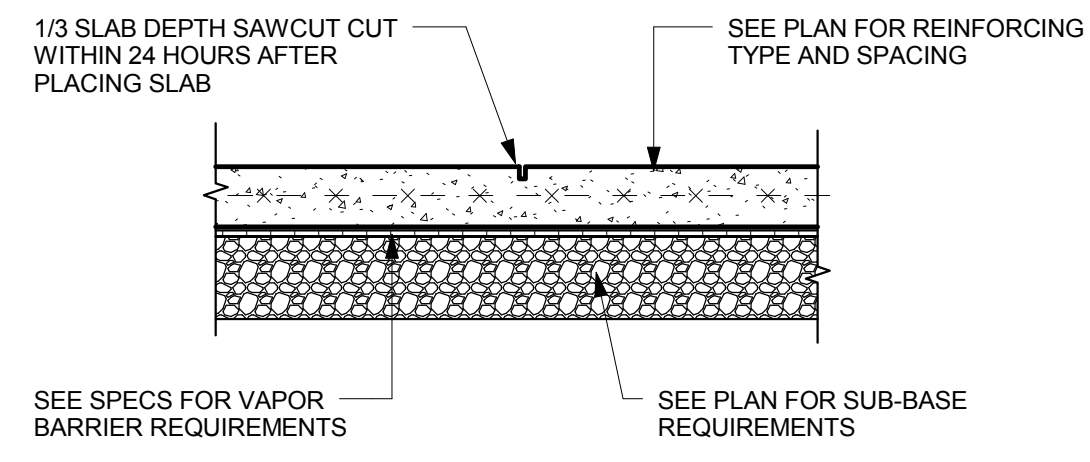
RISK CATEGORY III
 SEISMIC IMPORTANCE FACTOR, $I_p = 1.25$
 SITE CLASS = D $S_1 = 0.067$ (DANBURY)
 DEFLECTION AMPLIFICATION FACTOR (ASCE 7 - TABLE 12.2-1)
 RESPONSE MODIFICATION FACTOR $R = 3$
 EQUIVALENT LATERAL FORCE PROCEDURE

FLOOR LIVE LOAD SCHEDULE: (2012 IBC TABLE 1607.1)

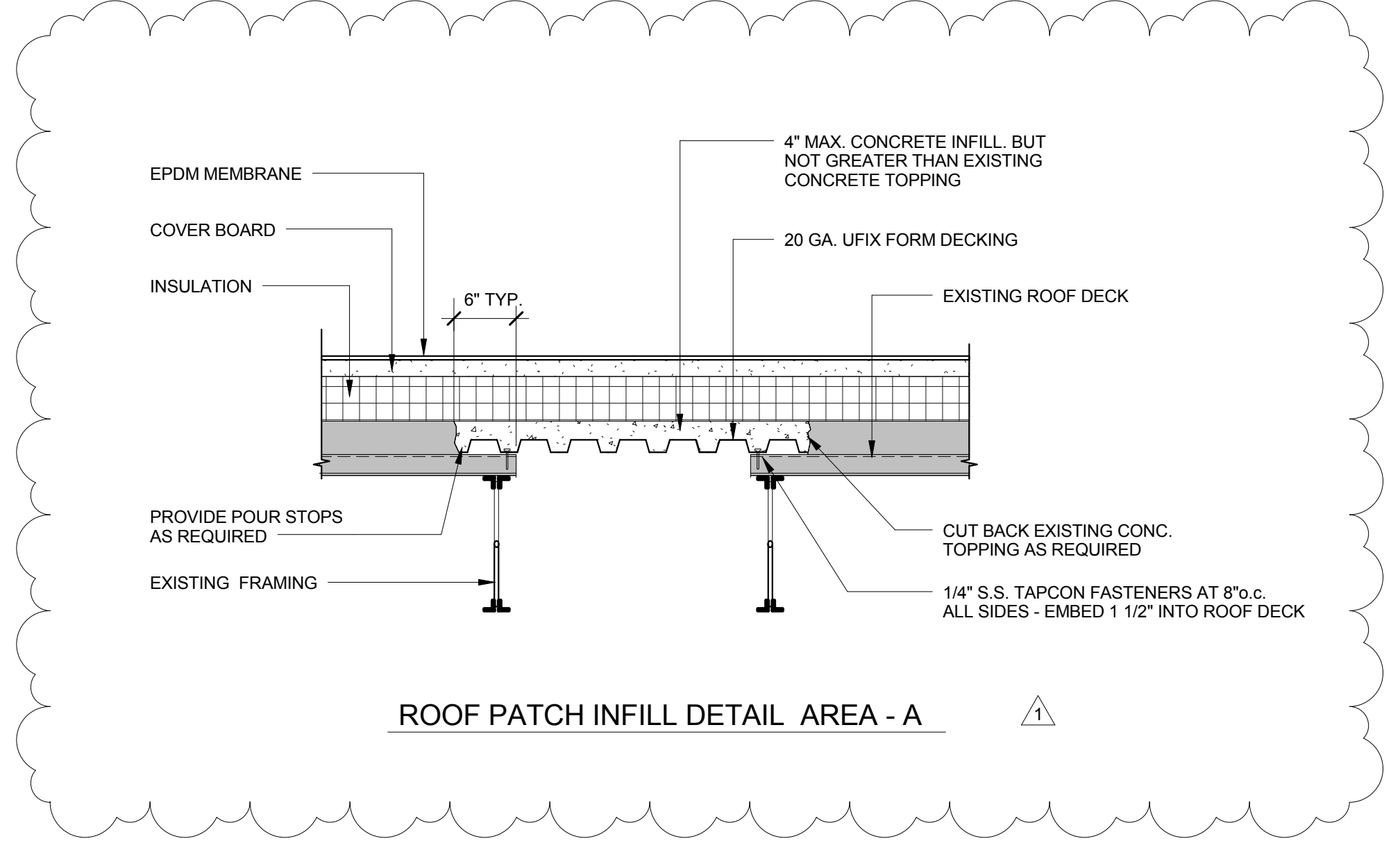
ROOF SNOW LOADS: (ASCE7 - CHAPTER 7)
 ROOF DESIGN SNOW LOAD 30 PSF. SHOW LOAD INCREASED IN AREAS OF DRIFTING.



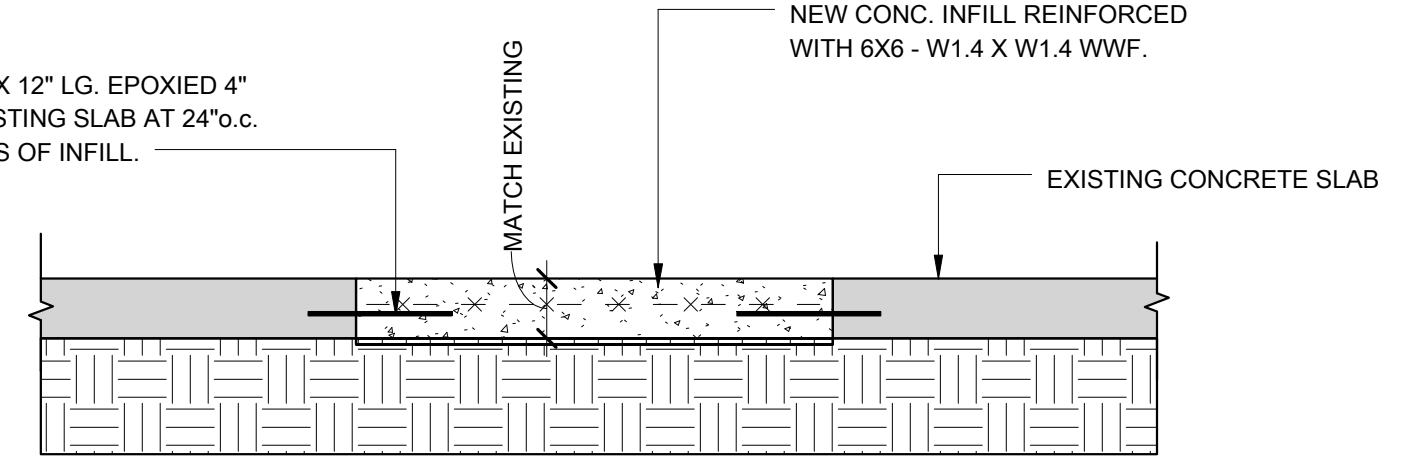
TYPICAL HAUNCH SLAB SECTION AT TYPICAL EXTERIOR DOOR
N.T.S.



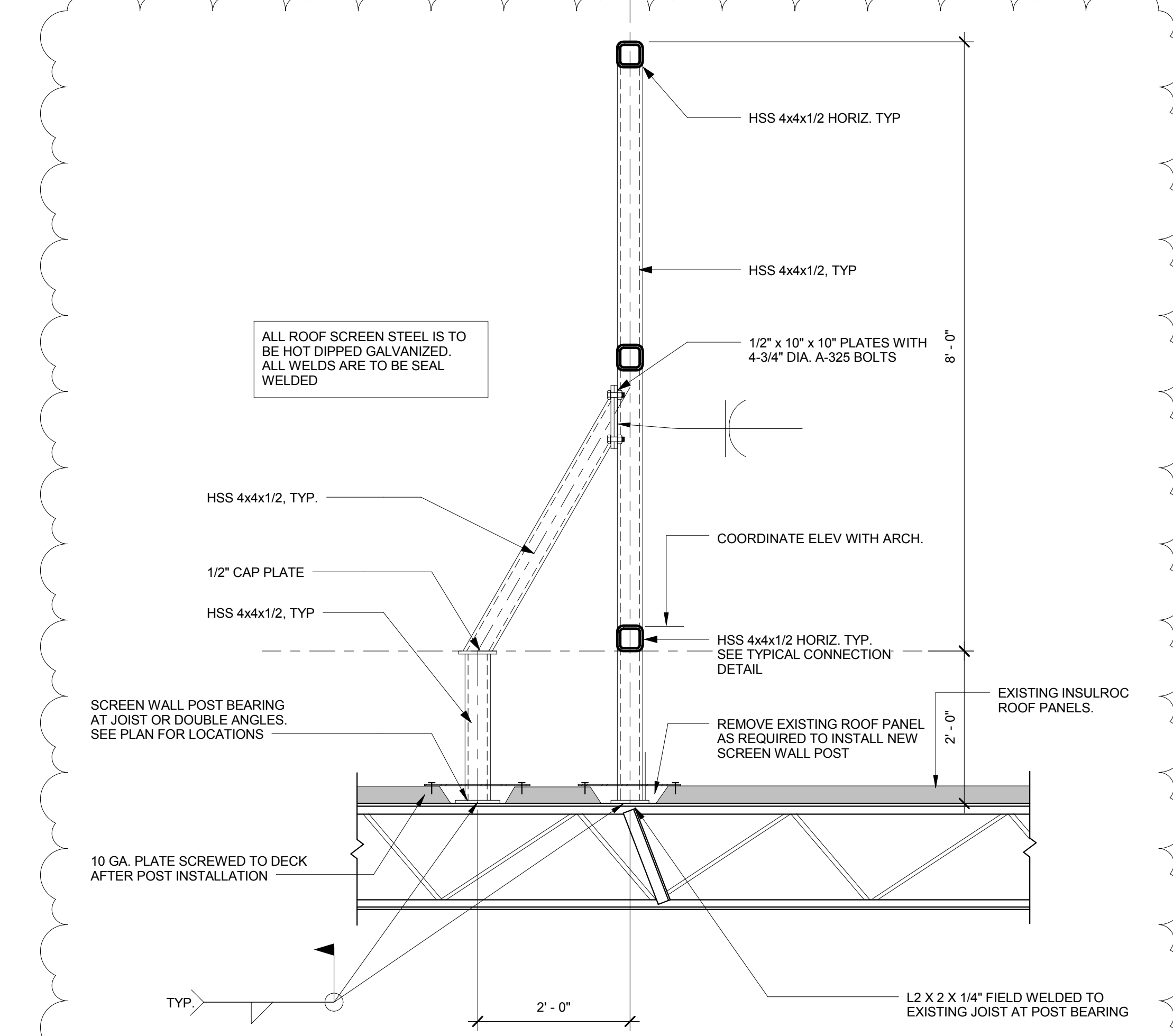
TYPICAL SLAB ON GRADE CONTROL JOINT DETAIL
NOT TO SCALE (COORDINATE LOCATIONS WITH FOUNDATION PLAN)



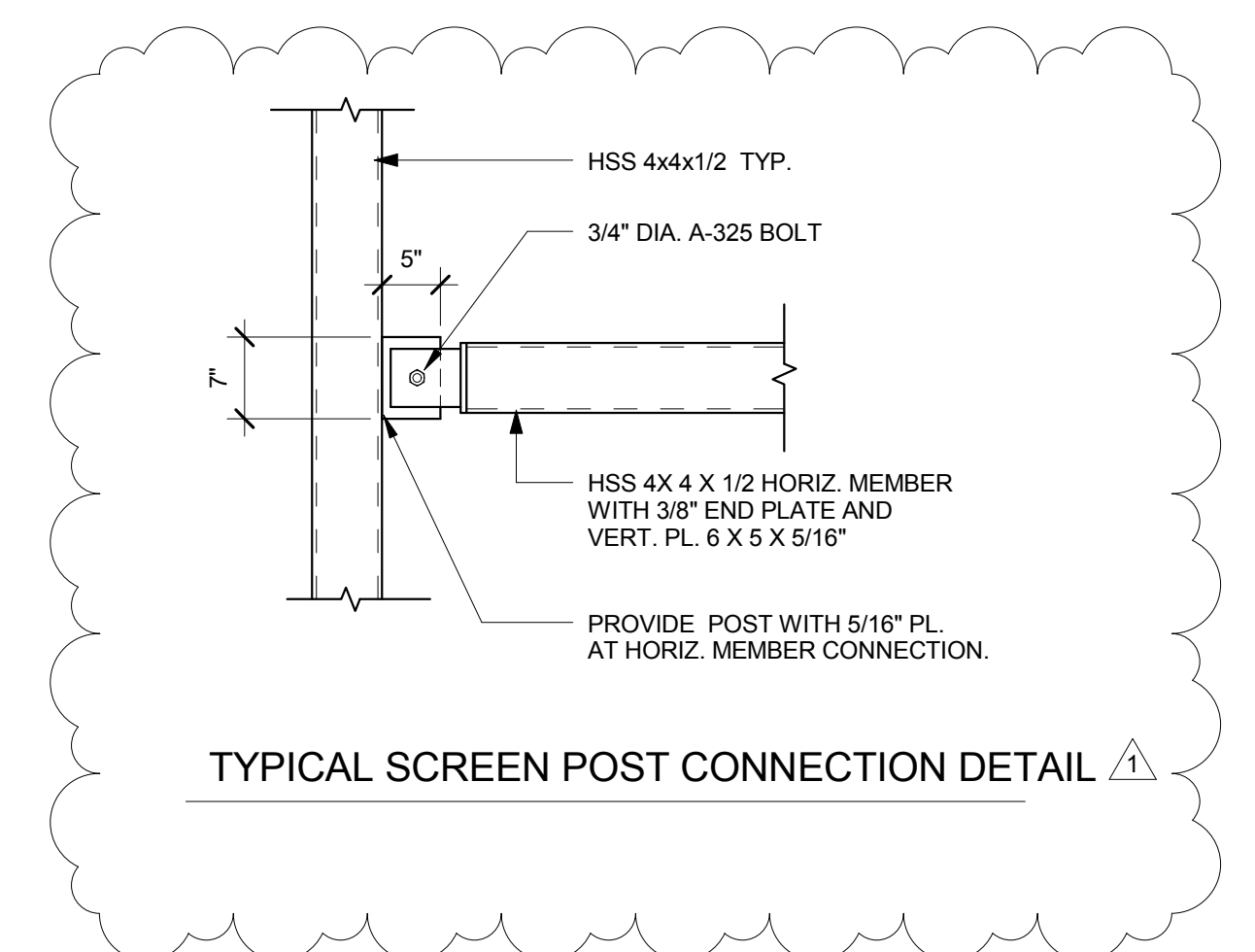
ROOF PATCH INFILL DETAIL AREA - A



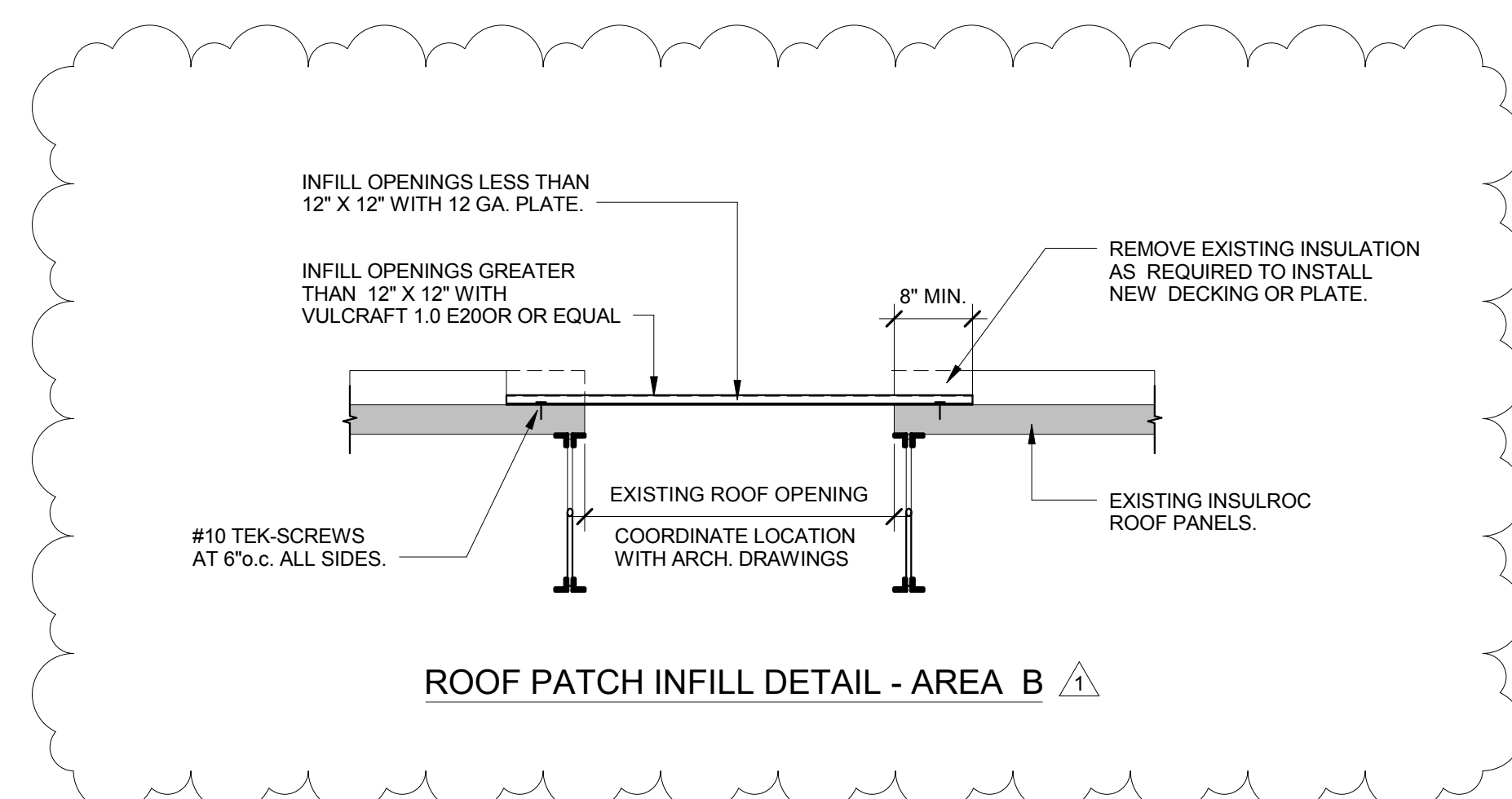
TYPICAL SLAB INFILL DETAIL



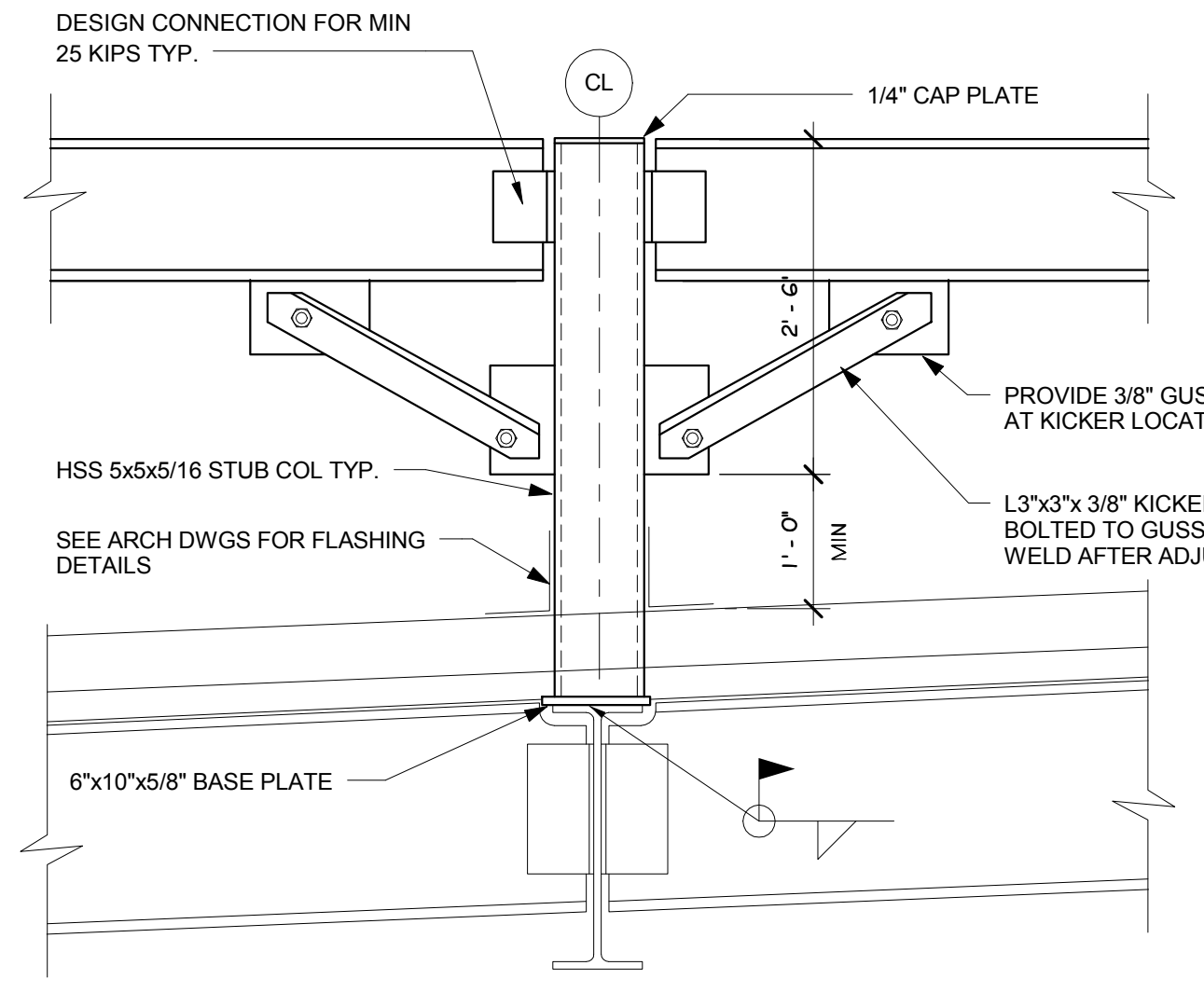
TYPICAL ROOF SCREEN WALL SECTION
NOT TO SCALE



TYPICAL SCREEN POST CONNECTION DETAIL



ROOF PATCH INFILL DETAIL AREA B



TYPICAL DUNNAGE SECTION
NOTE: ALL DUNNAGE STEEL AND BOLTS TO BE HOT DIPPED GALVANIZED

- GENERAL NOTES**
- A. FILL AND BACKFILL**
- ALL AREAS WITHIN THE STRUCTURE WILL BE STRIPPED OF EXISTING MATERIALS BEFORE FILLING TO REQUIRED GRADES. FILL WILL BE PLACED IN 8" MAX LAYERS AND COMPACTED WITH MECHANICAL VIBRATORS TO A MINIMUM OF 95% PROCTOR DENSITY AS DEFINED BY ASTM D698.
 - SEE FOUNDATION PLANS FOR GRAVEL FILL REQUIREMENTS.
 - NO WALLS ARE TO BE BACKFILLED UNTIL CONCRETE HAS BEEN IN PLACE A MINIMUM OF 7 DAYS UNLESS DIRECTED BY THE ENGINEER.
 - SEE SPECIFICATIONS AND DRAWING S1.01 FOR ADDITIONAL SUBGRADE REQUIREMENTS.
- B. CONCRETE**
- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS INDICATED IN DESIGN DATA.
 - PROTECTIVE COVER, SPLICE LAP AND EMBEDMENT FOR REINFORCING STEEL SHALL BE PER ACI SPECIFICATION.
 - CONTINUOUS WALL POURS SHALL NOT EXCEED 40 FEET IN ONE DIRECTION. SEE TYPICAL DETAIL.
 - SLABS ON GRADE WILL BE PLACED ON A VAPOR BARRIER. CONTROL JOINTS TO BE LOCATED AS SHOWN ON PLANS.
 - ALL CONCRETE WALLS ARE TO BE REINFORCED. IF NOT SHOWN, PROVIDE 2-#6 BARS TOP AND BOTTOM CONTINUOUS AND #4 BARS AT 18" ON CENTER BOTH WAYS, BOTH FACES.
- C. FOOTINGS**
- ELEVATION OF BOTTOM OF FOOTINGS TO BE VERIFIED WITH FIELD CONDITIONS. ALL FOOTINGS SHALL BE PLACED A MINIMUM OF 3'-6" BELOW FINAL GRADES.
 - ALL FOOTINGS TO BEAR ON FIRM, UNDISTURBED SOIL HAVING A SAFE BEARING CAPACITY AS STATED IN THE DESIGN DATA. FOOTINGS ARE TO BE PLACED ON A MINIMUM 12" LAYER OF 3/8" CRUSHED STONE ON A 4" CONCRETE MUD SLAB.
 - ALL WALL FOOTINGS ARE TO BE 1'-0" DEEP AND EXTEND 6" BEYOND EACH FACE OF WALL UNLESS NOTED OTHERWISE.
 - FOOTINGS ARE NOT TO BE PLACED ON TOP OF UTILITIES. STEP FOOTINGS AS REQUIRED. COORDINATE LOCATION AND ELEVATION WITH SITE, CIVIL, AND MEP DRAWINGS.
- D. STRUCTURAL STEEL**
- STANDARD DOUBLE ANGLE CONNECTIONS ARE TO BE USED FOR STEEL FRAMING INTO STEEL UNLESS OTHERWISE NOTED. CONNECTIONS ARE TO BE ADEQUATE FOR INCREASED REACTIONS WHEN DUE TO REQUIREMENTS OF CONCENTRATED LOADS NEAR ENDS OF BEAMS. ALL PIPE CONNECTIONS ARE TO BE CONSTRUCTED WITH THRU PLATES.
 - ALL ENDS OF COLUMNS AT TRUE BEARINGS AND AT CAP AND BASE PLATES SHALL BE MILLED TO COMPLETE TRUE BEARINGS.
 - ALL CONNECTIONS TO BE SELECTED TO SUPPORT THE UNIFORM LOAD TABLES MAXIMUM UNIFORM LOAD AS CALLED FOR IN THE AISC MANUAL, UNLESS THE REACTIONS ARE INDICATED ON THE PLANS.
 - ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND IN ACCORDANCE WITH ALL AWS STANDARDS.
 - ALL WELDING TO BE PERFORMED USING E70-XX ELECTRODES.
 - THE STEEL ERECTOR IS RESPONSIBLE FOR SUPPLYING TEMPORARY BRACING AND GUYING OF STEEL FRAMING UNTIL ALL CONNECTIONS AND FLOOR SLABS HAVE BEEN COMPLETED.
 - PROVIDE THE FOLLOWING MINIMUM NUMBER OF BOLT ROW CONNECTIONS. ACTUAL SHALL BE 1/2 UDL UNLESS REACTION IS SHOWN ON THE PLANS.
- | BEAM SIZE | MIN. NUMBER OF BOLTS: |
|------------|-----------------------|
| W8/W10/W12 | 3 |
| W14/W16 | 4 |
| W18/W21 | 5 |
| W24 | 5 |
- E. SLAB AND ROOF OPENINGS**
- VERIFY SIZE AND LOCATION OF ALL OPENINGS. FRAME ALL OPENINGS IN SLAB NOT SHOWN WITH L4x4x3/8 UNLESS NOTED OTHERWISE.
- F. LINTELS**
- PROVIDE LINTELS FOR ALL MASONRY OPENINGS. SEE SCHEDULE FOR SIZE UNLESS OTHERWISE INDICATED ON PLANS OR SECTIONS.
 - ALL LINTELS TO BEAR A MINIMUM 8" AT EACH END.
 - ALL EXPOSED LINTELS SHALL BE HOT DIPPED GALVANIZED.
- G. GENERAL**
- NO STORAGE OF MATERIALS SHALL BE ALLOWED ON ROOF MEMBERS DURING CONSTRUCTION.
- 1 INDICATES SECTION NUMBER
 S1 INDICATES SHEET NUMBER

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF CONSTRUCTION SERVICES

MACCHI ENGINEERS, LLC
 44 GILLET STREET
 HARTFORD, CT. 06105

WESTERN CONNECTICUT STATE UNIVERSITY, RENOVATIONS TO HIGGINS HALL AND HIGGINS ANNEX
 DANBURY, CT.

state project no. BI-RD-290 office project no. 150501

drawing title: GENERAL NOTES TYPICAL DETAILS

mark	date	description
	01/29/2016	100% CD BID PACKAGE
	03/20/2016	100% CD BID PKG Suppl. #2

drawing prepared by: date: 6/1/2017
 scale: As indicated
 drawn by: J.Z.
 approved by: M.P.
 drawing no. **S4.1**

Dwg. No.	Title	100% CD Bid Package	Add. #02	Add. #04
<u>Volume 1 of 2</u>				
General				
	Cover	1/29/18		
A0.01	General Information	1/29/18		
A0.02	Code Summary	1/29/18		
A0.03	Egress Plan - Lower Level	1/29/18		
A0.04	Egress Plan - First Floor	1/29/18	3/14/18	
A0.05	Egress Plan - Second Floor	1/29/18	3/14/18	
A0.06	Wall Types	1/29/18	3/14/18	
A0.07	Fire Stopping Details	1/29/18	3/14/18	
Survey				
T0.01	Topographic Survey	1/29/18		
T0.02	Topographic Survey	1/29/18		
Civil				
C1.0	E&S Control and Utility Demolition Plan	1/29/18		
C1.1	Storm Water & Pollution Control Plan (SWPCP) Notes & Details	1/29/18		
C2.0	Site Utility Plan	1/29/18		
C3.02	Site Utility Details	1/29/18		
C3.1	Site Utility Details	1/29/18		
C3.2	Site Utility Details	1/29/18		
Landscape				
L0.00	Illustrative Plan	1/29/18		
L1.00	Surface Demolition	1/29/18		
L1.10	Egress Plan	1/29/18		
L1.20	Overall Site Improvements	1/29/18		
L1.21	Site Improvements	1/29/18		
L1.22	Site Improvements	1/29/18		
L1.30	Overall Site Layout	1/29/18		
L1.31	Site Layout	1/29/18		
L1.32	Site Layout	1/29/18		
L1.40	Overall Site Grading	1/29/18		
L1.41	Site Grading	1/29/18		
L1.42	Site Grading	1/29/18		
L1.50	Overall Site Planting	1/29/18		
L1.51	Site Planting	1/29/18		
L1.52	Site Planting	1/29/18		
L1.60	Overall Paver Enlargement	1/29/18		
L1.61	East Paver Enlargement	1/29/18		
L1.62	West Paver Enlargement	1/29/18		
L5.00	Site Details	1/29/18		
L5.01	Site Details	1/29/18		
L5.02	Site Details	1/29/18		
L5.03	Site Details	1/29/18		
Phasing				
IPL-1	Interior Phasing and Logistics	2/19/18		
SL-1	Site Logistics Plan	2/19/18		
Temporary Classrooms				
A1.01BT	Lower Level Temporary Classroom Floor Plan & RCP	1/29/18		
D1.01BT	Lower Level Temporary Classroom Demolition Plan	1/29/18		
E1.01BT	Lower Level Temporary Classroom Floor Plan & RCP - Electrical	1/29/18		

Dwg. No.	Title	100% CD Bid Package	Add. #02	Add. #04
Abatement				
HM1-01A	Lower Level Abatement Plan - Area A	1/29/18		
HM1-01B	Lower Level Abatement Plan - Area B	1/29/18		
HM1-11A	First Floor Abatement Plan - Area A	1/29/18		
HM1-11B	First Floor Abatement Plan - Area B	1/29/18		
HM1-21A	Second Floor Abatement Plan - Area A	1/29/18		
HM1-21B	Second Floor Abatement Plan - Area B	1/29/18		
HM1-31A	Roof Abatement Plan - Area A	1/29/18		
HM1-31B	Roof Abatement Plan - Area B	1/29/18		
Architectural Demo				
D1.01A	Lower Level Demolition Plan - Area A	1/29/18		
D1.01B	Lower Level Demolition Plan - Area B	1/29/18		
D1.11A	First Floor Demolition Plan - Area A	1/29/18		
D1.11B	First Floor Demolition Plan - Area B	1/29/18		
D1.21A	Second Floor Demolition Plan - Area A	1/29/18		
D1.21B	Second Floor Demolition Plan - Area B	1/29/18	3/14/18	
D1.31A	Roof Demolition Plan - Area A	1/29/18	3/14/18	
D1.31B	Roof Demolition Plan - Area B	1/29/18	3/14/18	
D1.41	Demolition Details	1/29/18		
Architectura				
A1.01A	Lower Level Floor Plan - Area A	1/29/18		
A1.01B	Lower Level Floor Plan - Area B	1/29/18		
A1.11A	First Floor Plan - Area A	1/29/18		
A1.11B	First Floor Plan - Area B	1/29/18		
A1.21A	Second Floor Plan - Area A	1/29/18		
A1.21B	Second Floor Plan - Area B	1/29/18		
A1.31A	Roof Plan - Area A	1/29/18	3/14/18	3/20/18
A1.31B	Roof Plan - Area B	1/29/18		
A1.41	Roof Details	1/29/18		3/20/18
A2.01	Lower Level Reflected Ceiling Plan	1/29/18		
A2.11	First Floor Reflected Ceiling Plan	1/29/18		
A2.21	Second Floor Reflected Ceiling Plan	1/29/18	3/14/18	
A2.31	Ceiling Details	1/29/18		
A3.01	Exterior Elevations	1/29/18		
A3.02	Exterior Elevations	1/29/18		
A3.03	Exterior Elevations	1/29/18		
A3.11	Building Sections	1/29/18		
A4.01	Wall Sections	1/29/18		
A4.02	Wall Sections	1/29/18		
A4.03	Wall Sections	1/29/18		
A4.21	Section Details	1/29/18		
A4.22	Section Details	1/29/18		
A4.31	Plan Details	1/29/18		
A4.32	Miscellaneous Plan and Section Details	1/29/18		
A4.41	Exterior Wall Restoration Details	1/29/18		
A5.01	Window Schedule and Details	1/29/18		
A6.01	Stair and Ramp Plans and Sections	1/29/18		
A6.02	Stair Plans and Sections	1/29/18		
A6.03	Exterior Stair and Ramp Plans and Sections	1/29/18		
A6.04	Stair and Ramp Details	1/29/18		
A6.05	Elevator Plan, Section and Details	1/29/18		
A7.01	Toilet Plans and Elevations	1/29/18		
A8.01	Interior Elevations	1/29/18		
A8.02	Interior Elevations	1/29/18		

Dwg. No.	Title	100% CD Bid Package	Add. #02	Add. #04
A8.03	Interior Elevations	1/29/18		
A8.04	Interior Elevations	1/29/18		
A8.05	Interior Elevations	1/29/18		
A9.01	Millwork Details	1/29/18		
A10.01	Lower Level Finish Pattern Plan	1/29/18		
A10.11	First Floor Finish Pattern Plan	1/29/18		
A10.21	Second Floor Finish Pattern Plan	1/29/18		
A11.01	Door Schedule	1/29/18		
A11.02	Door Frame Types and Details	1/29/18		
Signage				
SP.01	Sign Graphics	1/29/18		
SP.02	Interior Signs	1/29/18		
SP.03	Interior Signs	1/29/18		
SP.04	Directional Signs	1/29/18		
SP.05	Installations Details	1/29/18		
SP.06	Sign Distribution LL	1/29/18		
SP.07	Sign Distribution 1	1/29/18		
SP.08	Sign Distribution 2	1/29/18		
SP.09	Exterior Building Sign	1/29/18		
Structural				
S1.01	Foundation Plan	1/29/18		
S1.01D	Demolition Plan	1/29/18		
S1.11	First Floor Framing Plan	1/29/18		
S1.21	Second Floor Framing Plan	1/29/18		
S1.31	Roof Framing Plan	1/29/18		3/20/18
S2.1	Foundation Sections	1/29/18		
S2.2	Foundation Sections	1/29/18		
S2.3	Foundation Sections	1/29/18		
S2.4	Foundation Sections	1/29/18		
S2.5	Foundation Sections	1/29/18		
S3.1	Framing Sections	1/29/18		3/20/18
S3.2	Framing Sections	1/29/18		
S3.3	Framing Sections	1/29/18		
S3.4	Framing Sections	1/29/18		
S3.5	Framing Sections	1/29/18		
S4.1	General Notes Typical Details	1/29/18		3/20/18
Volume 2 of 2				
General				
	Cover	1/29/18		
MEP Demo				
MEPD1.01A	Lower Level Demolition Floor Plan - Area A - MEPD	1/29/18		
MEPD1.01B	Lower Level Demolition Floor Plan - Area B - MEPD	1/29/18		
MEPD1.11A	First Floor Demolition Floor Plan - Area A - MEPD	1/29/18		
MEPD1.11B	First Floor Demolition Floor Plan - Area B - MEPD	1/29/18		
MEPD1.21A	Second Floor Demolition Floor Plan - Area A - MEPD	1/29/18		
MEPD1.21B	Second Floor Demolition Floor Plan - Area B - MEPD	1/29/18		
MEPD1.31A	Demolition Roof Plan - Area A	1/29/18		
MEPD1.31B	Demolition Roof Plan - Area B	1/29/18		
Mechanical				
M0.01	Cover Sheet - Mechanical	1/29/18		
M0.02	Flow & Control Diagrams - Mechanical	1/29/18		

Dwg. No.	Title	100% CD Bid Package	Add. #02	Add. #04
M0.03	Flow & Control Diagrams - Mechanical	1/29/18		
M1.01A	Lower Level Floor Plan - Area A - Mechanical	1/29/18		
M1.01B	Lower Level Floor Plan - Area B - Mechanical	1/29/18		
M1.11A	First Floor Plan - Area A - Mechanical	1/29/18		
M1.11B	First Floor Plan - Area B - Mechanical	1/29/18		
M1.21A	Second Floor Plan - Area A - Mechanical	1/29/18		
M1.21B	Second Floor Plan - Area B - Mechanical	1/29/18		
M1.31A	Roof Plan - Area A - Mechanical	1/29/18		
M1.31B	Roof Plan - Area B - Mechanical	1/29/18		
M2.01	Part Plans - Mechanical	1/29/18		
M2.02	Riser Diagrams - Mechanical	1/29/18		
M3.01	Schedules - Mechanical	1/29/18		
M3.02	Schedules - Mechanical	1/29/18		
M3.03	Schedules - Mechanical	1/29/18		
M4.01	Details - Mechanical	1/29/18		
M4.02	Details - Mechanical	1/29/18		
M4.03	Details - Mechanical	1/29/18		
M4.04	AHU Diagrams - Mechanical	1/29/18		
M4.05	AHU Diagrams - Mechanical	1/29/18		
Electrical				
E0.01	Cover Sheet - Electrical	1/29/18		
E0.02	Lighting Fixture Schedule - Electrical	1/29/18		
E0.10	Site Plan - Electrical	1/29/18		
E1.01A	Lower Level Floor Plan - Area A - Electrical	1/29/18		
E1.01B	Lower Level Floor Plan - Area B - Electrical	1/29/18		
E1.11A	First Floor Plan - Area A - Electrical	1/29/18		
E1.11B	First Floor Plan - Area B - Electrical	1/29/18		
E1.21A	Second Floor Plan - Area A - Electrical	1/29/18		
E1.21B	Second Floor Plan - Area B - Electrical	1/29/18		
E1.31A	Roof Plan - Area A - Electrical	1/29/18		
E1.31B	Roof Plan - Area B - Electrical	1/29/18		
E1.41	Lightning Protection Plan - Electrical	1/29/18		
E2.01A	Lower Level RCP Plan - Area A - Lighting	1/29/18		
E2.01B	Lower Level RCP Plan - Area B - Lighting	1/29/18		
E2.11A	First Floor RCP Plan - Area A - Lighting	1/29/18		
E2.11B	First Floor RCP Plan - Area B - Lighting	1/29/18		
E2.21A	Second Floor RCP Plan - Area A - Lighting	1/29/18		
E2.21B	Second Floor RCP Plan - Area B - Lighting	1/29/18		
E4.01	Single Line Diagram - Electrical	1/29/18		
E4.02	Fire Alarm Riser - Electrical	1/29/18		
E5.01	Panel Schedules - Electrical	1/29/18		
E5.02	Panel Schedules - Electrical	1/29/18		
E5.03	Panel Schedules - Electrical	1/29/18		
E6.01	Details - Electrical	1/29/18		
E6.02	Details - Electrical	1/29/18		
Plumbing				
P0.01	Cover Sheet - Plumbing	1/29/18		
P1.01A	Lower Level Floor Plan - Area A - Plumbing	1/29/18		
P1.01AU	Lower Level Sub-Floor Plan - Area A - Plumbing	1/29/18		
P1.01B	Lower Level Floor Plan - Area B - Plumbing	1/29/18		
P1.01BU	Lower Level Sub-Floor Plan - Area B - Plumbing	1/29/18		
P1.11A	First Floor Plan - Area A - Plumbing	1/29/18		
P1.11B	First Floor Plan - Area B - Plumbing	1/29/18		
P1.21A	Second Floor Plan - Area A - Plumbing	1/29/18		
P1.21B	Second Floor Plan - Area B - Plumbing	1/29/18		

Dwg. No.	Title	100% CD Bid Package	Add. #02	Add. #04
P1.31A	Roof Plan - Area A - Plumbing	1/29/18		
P1.31B	Roof Plan - Area B - Plumbing	1/29/18		
P2.00	Part Plans - Plumbing	1/29/18		
P2.01	Part Plans - Plumbing	1/29/18		
P2.02	Part Plans - Plumbing	1/29/18		
P3.01	Schedules - Plumbing	1/29/18		
P3.02	Schedules - Plumbing	1/29/18		
P4.01	Details - Plumbing	1/29/18		
P4.02	Details - Plumbing	1/29/18		
Fire Protection				
FP0.01	Cover Sheet - Fire Protection	1/29/18		
FP1.01A	Lower Level Floor Plan - Area A - Fire Protection	1/29/18		
FP1.01B	Lower Level Floor Plan - Area B - Fire Protection	1/29/18		
FP1.11A	First Floor Plan - Area A - Fire Protection	1/29/18		
FP1.11B	First Floor Plan - Area B - Fire Protection	1/29/18		
FP1.21A	Second Floor Plan - Area A - Fire Protection	1/29/18		
FP1.21B	Second Floor Plan - Area B - Fire Protection	1/29/18		
FP3.01	Riser Diagram - Fire Protection	1/29/18		
FP4.01	Schedules - Fire Protection	1/29/18		
FP5.01	Details - Fire Protection	1/29/18		
IT Demo				
ITD1.01A	Lower Level Demolition Plan - Area A - IT	1/29/18	3/14/18	
ITD1.01B	Lower Level Demolition Plan - Area B - IT	1/29/18	3/14/18	
ITD1.11A	First Floor Demolition Plan - Area A - IT	1/29/18		
ITD1.11B	First Floor Demolition Plan - Area B - IT	1/29/18		

Dwg. No.	Title	100% CD Bid Package	Add. #02	Add. #04
ITD1.21A	Second Floor Demolition Plan - Area A - IT	1/29/18		
ITD1.21B	Second Floor Demolition Plan - Area B - IT	1/29/18		
IT				
IT0.01	Cover Sheet - IT	1/29/18	3/14/18	
IT0.02	Responsibility Matrix - IT	1/29/18		
IT0.10	Site Plan - IT	1/29/18		
IT1.01A	Lower Level Floor Plan - Area A - IT	1/29/18		
IT1.01B	Lower Level Floor Plan - Area B - IT	1/29/18		
IT1.11A	First Floor Plan - Area A - IT	1/29/18		
IT1.11B	First Floor Plan - Area B - IT	1/29/18		
IT1.21A	Second Floor Plan - Area A - IT	1/29/18		
IT1.21B	Second Floor Plan - Area B - IT	1/29/18		
IT1.31A	Roof Plan - Area A - IT	1/29/18		
IT1.31B	Roof Plan - Area B - IT	1/29/18		
IT3.00	Part Plans - IT	1/29/18		
IT3.01	Part Plans - IT	1/29/18		
IT3.02	Part Plans - IT	1/29/18		
IT4.00	Conduit Riser and Fire Alarm Network Diagrams - IT	1/29/18		
IT6.01	Details - IT	1/29/18		
IT6.02	Details - IT	1/29/18		
Security Demo				
SCD1.01A	Lower Level Demolition Plan - Area A - Security	1/29/18		
SCD1.01B	Lower Level Demolition Plan - Area B - Security	1/29/18		
SCD1.11A	First Floor Demolition Plan - Area A - Security	1/29/18		
SCD1.11B	First Floor Demolition Plan - Area B - Security	1/29/18		
SCD1.21A	Second Floor Demolition Plan - Area A - Security	1/29/18		
SCD1.21B	Second Floor Demolition Plan - Area B - Security	1/29/18		
Security				
SC0.01	Cover Sheet - Security	1/29/18		
SC1.01A	Lower Level Floor Plan - Area A - Security	1/29/18		
SC1.01B	Lower Level Floor Plan - Area B - Security	1/29/18		
SC1.11A	First Floor Plan - Area A - Security	1/29/18		
SC1.11B	First Floor Plan - Area B - Security	1/29/18		
SC1.21A	Second Floor Plan - Area A - Security	1/29/18		
SC1.21B	Second Floor Plan - Area B - Security	1/29/18		
SC1.31A	Roof Plan - Area A - Security	1/29/18		
SC1.31B	Roof Plan - Area B - Security	1/29/18		
SC4.00	Access Control and CCTV Riser Diagram	1/29/18		
SC4.01	Access Control and CCTV Riser Diagram	1/29/18		
SC4.02	Access Control and CCTV Riser Diagram	1/29/18		
SC6.01	Details - Security	1/29/18		

Dwg. No.	Title	100% CD Bid Package	Add. #02	Add. #04
AV				
AV0.00	AV Symbols and Legends	1/29/18		
AV0.01	AV Details I	1/29/18		
AV1.01B	AV Floor Plan - Lower Level - Area B	1/29/18		
AV1.11A	AV Floor Plan - First Floor - Area A	1/29/18		
AV1.11B	AV Floor Plan - First Floor - Area B	1/29/18		
AV1.21A	AV Floor Plan - Second Floor - Area A	1/29/18		
AV1.21B	AV Floor Plan - Second Floor - Area B	1/29/18		
AV2.01B	AV RCP - Lower Level - Area B	1/29/18		
AV2.11A	AV RCP - First Floor - Area A	1/29/18		
AV2.11B	AV RCP - First Floor - Area B	1/29/18		
AV2.21A	AV RCP - Second Floor - Area A	1/29/18		
AV2.21B	AV RCP - Second Floor - Area B	1/29/18		
AV8.01	AV Interior Elevations I	1/29/18		
AV8.02	AV Interior Elevations II	1/29/18		
AV8.03	AV Interior Elevations III	1/29/18		
AV8.04	AV Interior Elevations IV	1/29/18		
AV9.00	AV Riser Diagrams I	1/29/18		
AV10.00	AV Functional Diagrams I	1/29/18		
AV10.01	AV Functional Diagrams II	1/29/18		
Existing Building Drawings - Added for Reference via Addendum #02				
	1949 Higgins Hall			
	1958 Higgins Hall Addition			
	1967 Annex Hall Set 1 & 2			
	1972 Higgins Annex As-Builts			
	1987 Volatile Chemical Storage Addition			
	1991 Higgins Addition Lecture Hall Renovation			
	1991 Higgins Chemistry Room Renovations			
	1999 Midtown Campus Underground Infrastructure Renovations			
	2009 Annex HVAC Improvement			
	2011 Annex Second Floor Lecture Hall			
	2011 Higgins Roof Replacement and Masonry Repairs			
	2012 Higgins Facade Repairs			
	2012 Higgins Record Room Renovation			
	2013 Annex Learning Emporium Set			
	2015 Midtown Campus Topo Based on HH			

Higgins Annex - Area B
Roof Test Cut
Photo 1
032118



Higgins Annex - Area B
Roof Test Cut
Photo 2
032118

