



TENDER ADDENDUM

Project:	UHN Interventional Fluoroscopy Replacement University Hospital of Northern British Columbia 1475 Edmonton Street, Prince George, BC V2M 1S2	Tender Addendum #:	02
		DCTYA Project #:	2009
		NHA Project #:	N662050005
		Issued By:	Douglas Cheung
To:	All Bidders	Issue Date:	Feb 26, 2021
Copies To:	Leah Joseph / Northern Health Authority		

The following information supplements and/or supersedes the "Issued for Tender" drawings issued for the above project dated **February 10, 2021**.

This Addendum forms part of the contract documents and is to be read, interpreted, and co-ordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof.

ITEM:	DESCRIPTIONS	DWGS OR PAGES ATTACHED
1.	Tender RFI-02 : Question – Can you provide the anticipated CFM rating and static pressure for the air handling unit on the roof please? Response – Please refer to previously issued Mechanical Addendum 1 for response.	
2.	Tender RFI-03 : Question – Regarding the Nurse Call portion of this project, is it possible to make this a cash allowance? Response – A cash allowance for the Nurse Call portion of the project will not be given.	



3. Tender RFI-04 :

Question –

In speaking with the trades, specifically mechanical on this project we are wondering if an extension could be granted to the closing date?

Response – Tender closing date and time is extended to Monday, March 8, 2021 at 1400 hours (2pm) Pacific Time.

4. Tender RFI-05 :

Question –

Noticed that the flooring so far in the Fluoro is still iQ Granit,... is it going to be iQ Granit SD.

Response – The project floor finishes specifications call out “IQ Granit” to be provided, not “IQ Granit SD”. Please refer to architectural drawing A/5.02 for specifications related to this project’s floor finishes.

5. **Architectural :**

- 5.1. See attached Dwg A2.06 – Roof Plan, for revisions to roof plan and roof construction key notes.
- 5.2. See attached Dwg A5.03 – Typical Details, for detail revisions.
- 5.3. See attached ADD2-A02 – Part of Dwg A5.02, for revisions to finishes and fixtures schedule.

6. **Structural :**

- 6.1. See attached Structural Addendum 2 for details

7. **Mechanical :**

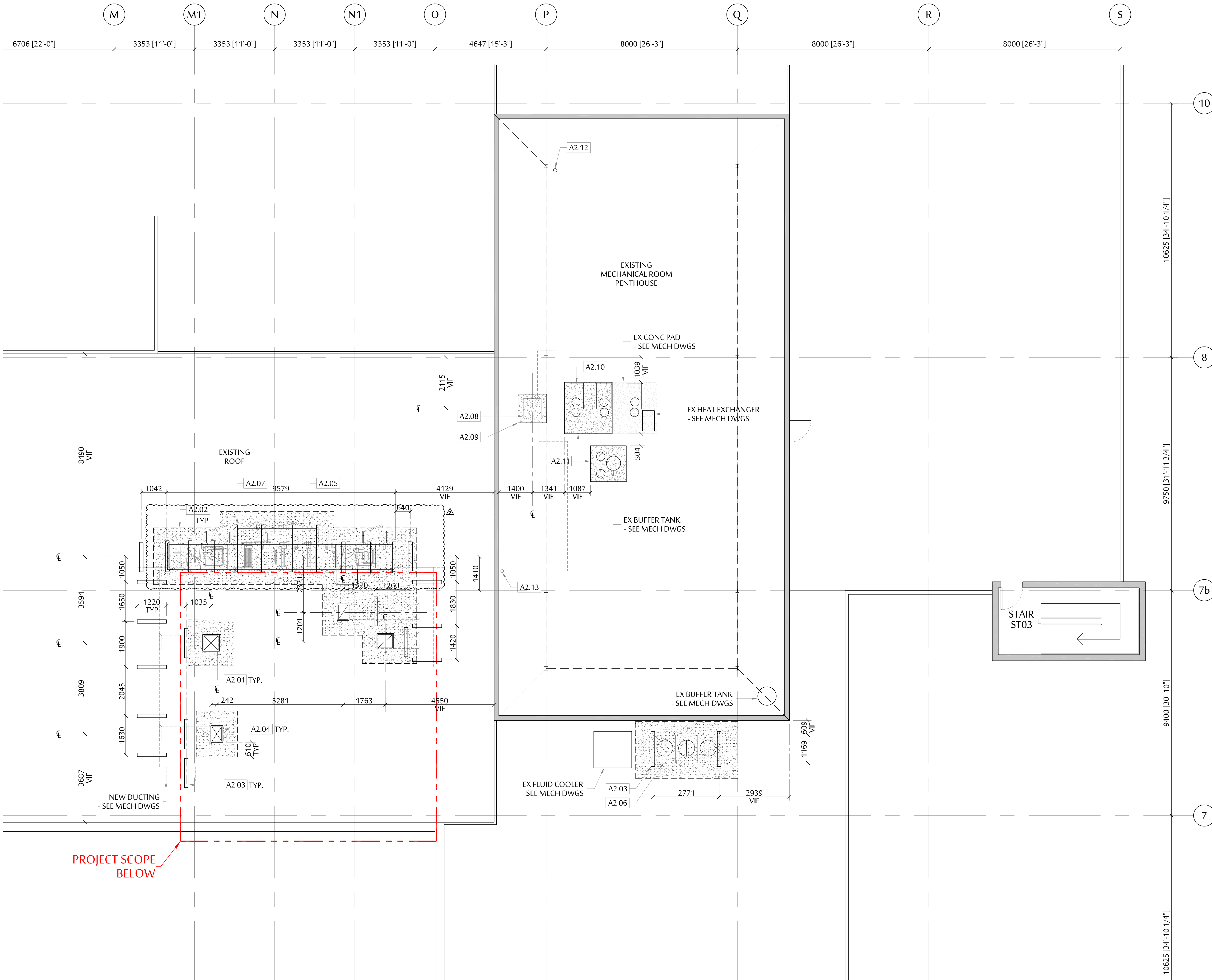
- 7.1. See attached Mechanical Addendum 2 for details

8. **Electrical :**

- 8.1. See attached Electrical Addendum 2 for details

Attachments :

- | | | |
|----|------------------------------|---------|
| a. | Dwg A2.06 – Roof Plan | 1 page |
| b. | Dwg A5.03 – Typical Details | 1 page |
| c. | ADD2-A02 – Part of Dwg A5.02 | 1 page |
| d. | Structural Addendum 2 | 2 pages |
| e. | Mechanical Addendum 2 | 2 pages |
| f. | Electrical Addendum 2 | 2 pages |



- ROOF GENERAL NOTES**
1. LOCATION OF EXISTING MECHANICAL & PLUMBING EQUIPMENT ON ROOF ARE APPROXIMATE ONLY, EXACT LOCATION TO BE DETERMINED ON SITE.
 2. NOT ALL MECHANICAL & PLUMBING EQUIPMENT ARE SHOWN ON ROOF.
 3. CONTRACTOR TO VERIFY OTHER M&E EQUIPMENT ON ROOF IF REQUIRED.
 4. ROOF PLAN AND ELEVATION SHOWN ON THIS DRAWING ARE EXISTING EXCEPT FOR WORK NOTED AS NEW (ALSO SEE STRUCT, MECH AND ELEC DWGS FOR SCOPE OF WORK).
 5. CONTRACTOR TO TAKE PRECAUTION & ALL MEASURES TO AVOID ANY DAMAGE TO EX. BLDG. FINISHES AND BLDG ENVELOPE COMPONENTS.
 6. CONTRACTOR TO PROVIDE ALL NECESSARY TEMPORARY ANCHORS AND SUPPORTS FOR THE DELIVERY OF MECH EQUIP.
 7. OBTAIN APPROVAL FROM HOSPITAL FOR ANY ATTACHMENTS TO THE EX. BLDG. SYSTEM OF STRUCTURE. SEE STRUCT. DWGS. FOR ANY ADDITIONAL REQUIREMENTS.
 8. SUPPLY AND INSTALL ROOF CURBS FOR MECH EQUIP TO BE BY MECH CONTRACTOR - SEE MECH DWGS
 9. REPAIR AND INSTALL NEW ROOF SYSTEM AROUND ALL SIDES OF ROOF CURBS, INCLUDING CAP FLASHINGS TO BE PROVIDED BY ROOFING CONTRACTOR.
 10. ROOFING CONTRACTOR TO PROVIDE LABOR & MATERIAL WARRANTY TO MATCH EXISTING ROOF SYSTEM.
 11. ROOFING CONTRACTOR TO BE A CERTIFIED RCABC MEMBER IN GOOD STANDING.

- ROOF CONSTRUCTION KEY NOTES**
- REFER TO MECH AND ELEC DWGS FOR M&E SCOPE OF WORK
- A2.01 REMOVE EX ROOF INSUL & WATERPROOFING AS REQ'D. CUT AND/OR CORE EX CONC SLAB FOR INSTALLATION OF NEW M&E EQUIP
 - A2.02 REPAIR EX ROOF INSUL TO MATCH EX. REPAIR AND INSTALL WATERPROOFING UP PIPES, CONDUITS, DUCTS AND EQUIP CURBS
 - A2.03 SLEEPERS FOR MECH EQUIP - SEE DETAIL 8/A5.03 & STRUCT DWGS
 - A2.04 NEW MECH DUCTWORK PENETRATING EX CONC SLAB - SEE MECH DWGS - SEE DETAIL 11/A5.03
 - A2.05 NEW MECH ROOF TOP AIR HANDLING UNIT SECURED ON ROOF SLEEPERS - SEE MECH & STRUCT DWGS
 - A2.06 NEW CHILLED FLUID COOLER TO SIT ON CONCRETE PADS - SEE MECH & STRUCT DWGS
 - A2.07 SLEEPERS FOR MECH EQUIP - SEE DETAIL 12/A5.03 & STRUCT DWGS
 - A2.08 NEW ANAESTHETIC GAS SCAVENGING SYSTEM ON CONCRETE PAD - SEE MECH DWGS
 - A2.09 NEW 42"x42", 4" THK CONCRETE PAD FOR MED GAS EQUIP - SEE MECH & STRUCT DWGS
 - A2.10 NEW HEAT PUMPS ON CONCRETE PAD - SEE MECH DWGS
 - A2.11 NEW CONCRETE PAD - SEE MECH & STRUCT DWGS FOR SIZE
 - A2.12 NEW ANAESTHETIC GAS SCAVENGING SYSTEM EXHAUST THROUGH ROOF - SEE MECH DWGS PROVIDE AND INSTALL UNISTRUT SUPPORT - SEE STRUCT DWGS
 - A2.13 NEW MED GAS PIPING TO LEVEL BELOW - SEE MED GAS DWGS

ARCHITECT :



WWW.DCYTARCHITECTURE.CA

8	ISSUED FOR ADDENDUM 2	2	FEB 26, 2021	RC
7	NOT ISSUED	-	-	-
6	ISSUED FOR TENDER	-	FEB 10, 2021	RC
5	ISSUED FOR 80% CD	-	DEC 16, 2020	RC
4	NOT ISSUED	-	-	-
3	NOT ISSUED	-	-	-
2	NOT ISSUED	-	-	-
1	NOT ISSUED	-	-	-
No.	REVISION		DATE	BY

THIS DRAWING IS THE PROPERTY OF DCYT ARCHITECTURE. REPRODUCTION OF THIS DRAWING IN WHOLE OR IN PART IS PROHIBITED UNLESS WITH WRITTEN PERMISSION.



**UHNBC
FLUOROSCOPY
REPLACEMENT**

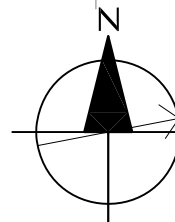
1475 EDMONTON STREET, PRINCE GEORGE
BC V2M 1S2

**PHASE 1 - INTER FLUORO
ROOF PLAN**

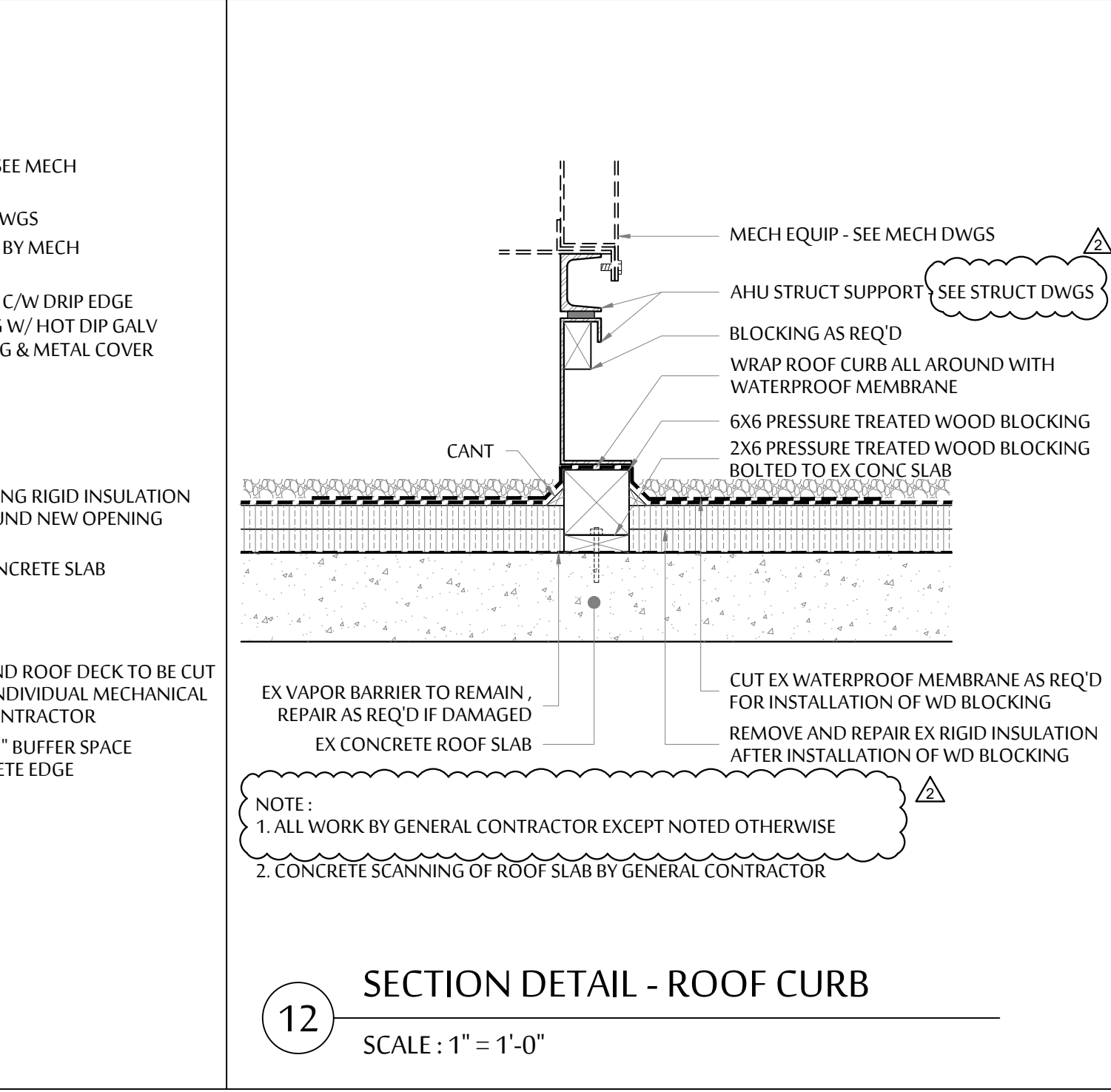
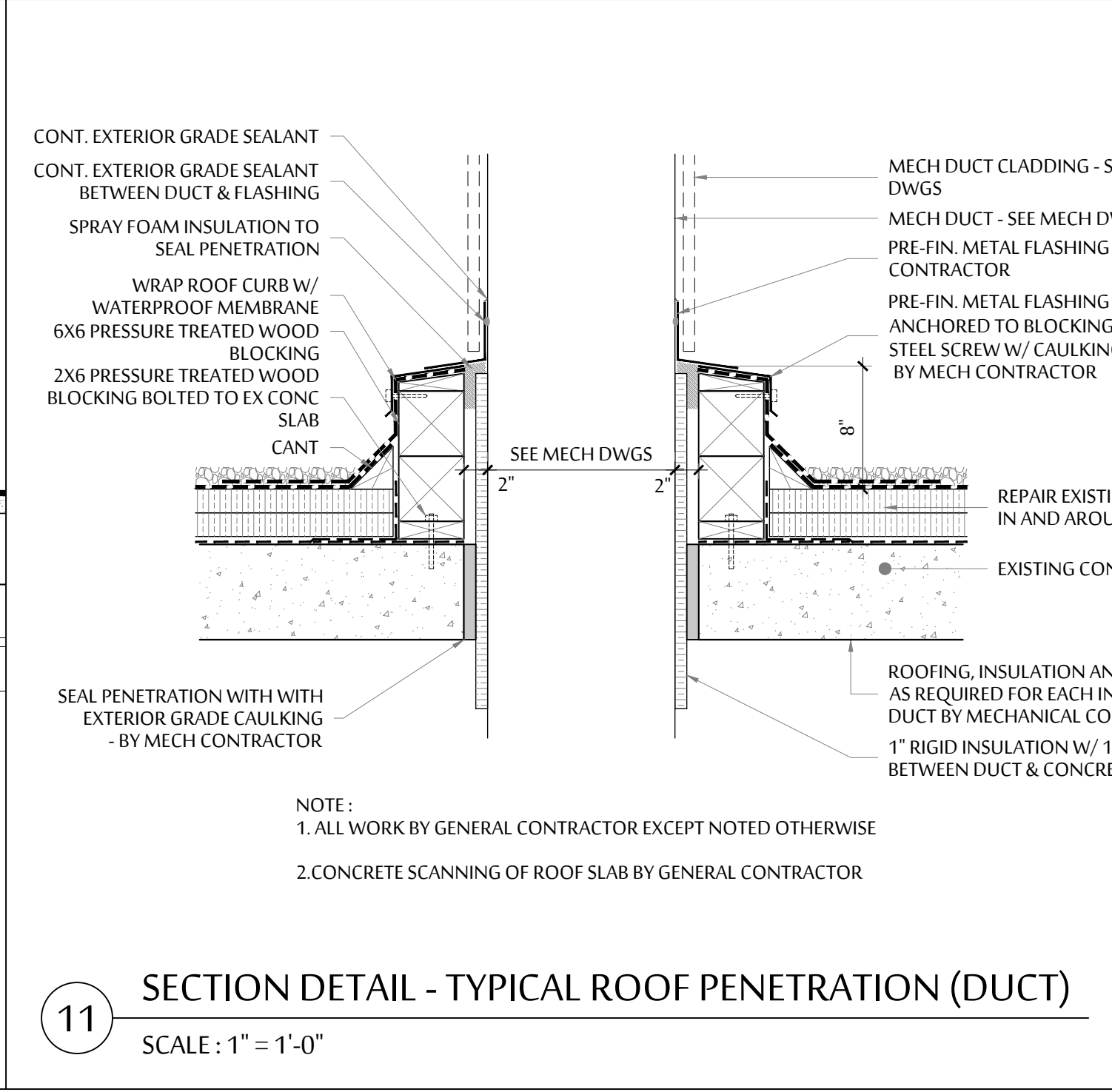
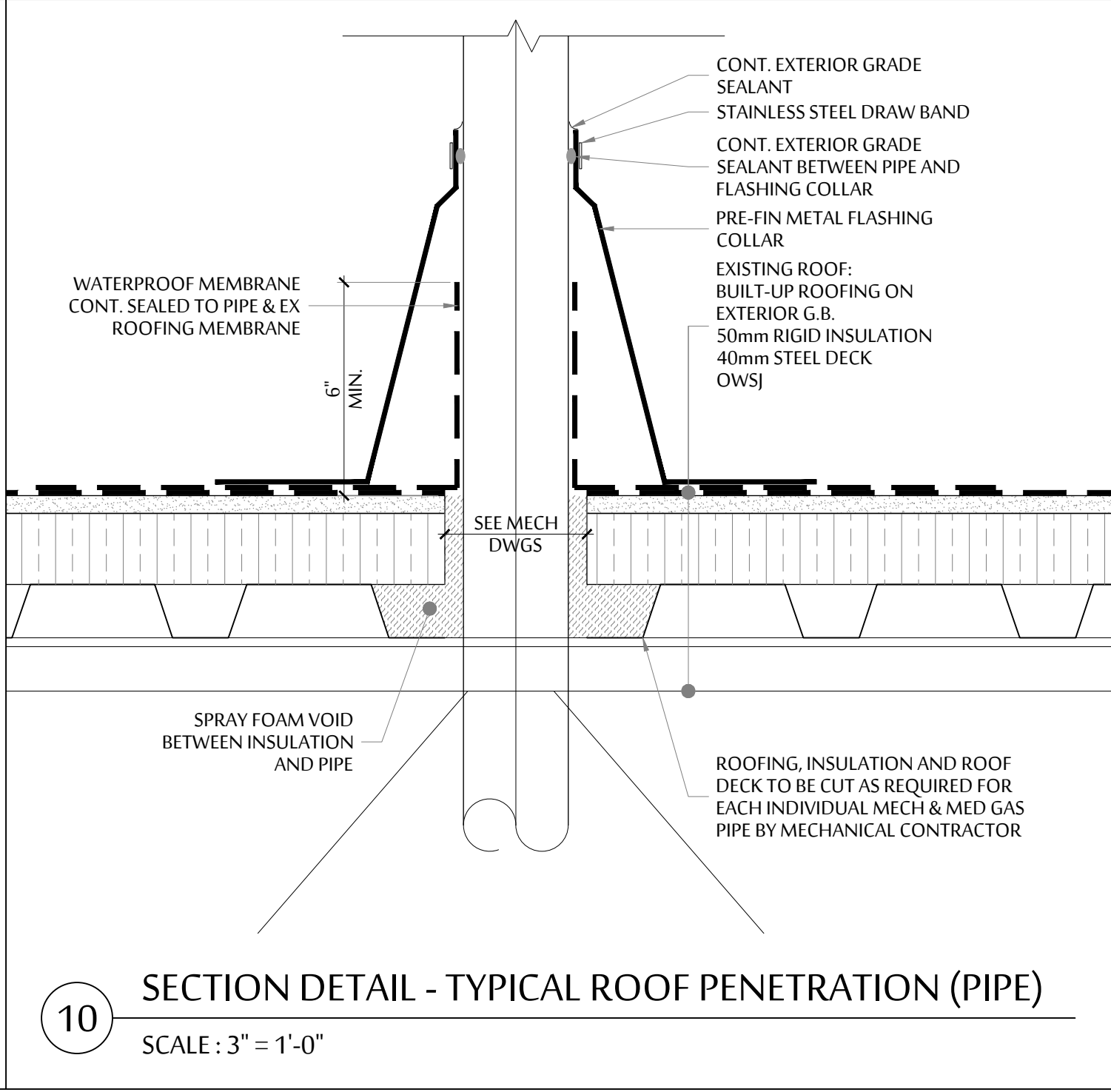
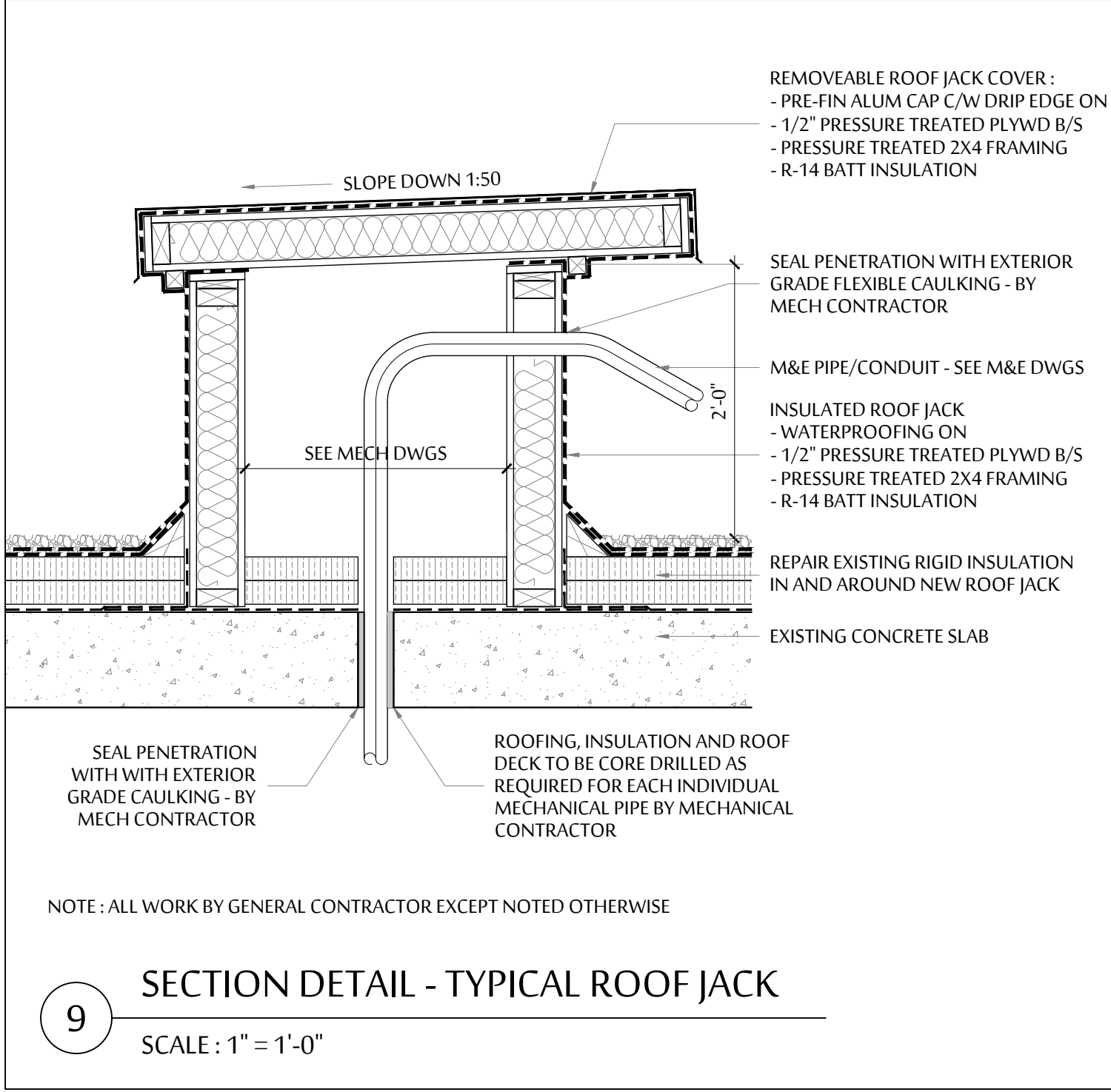
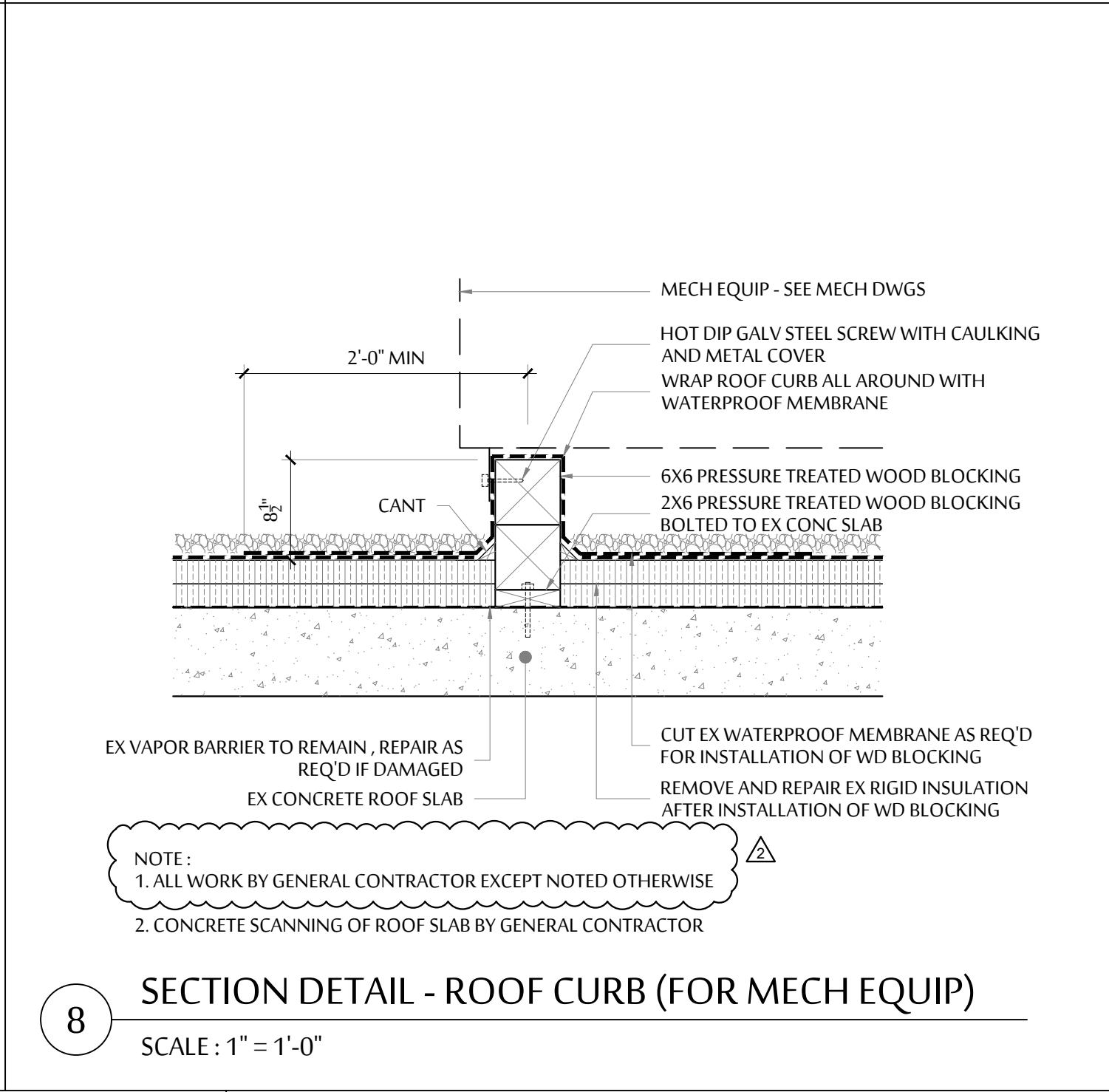
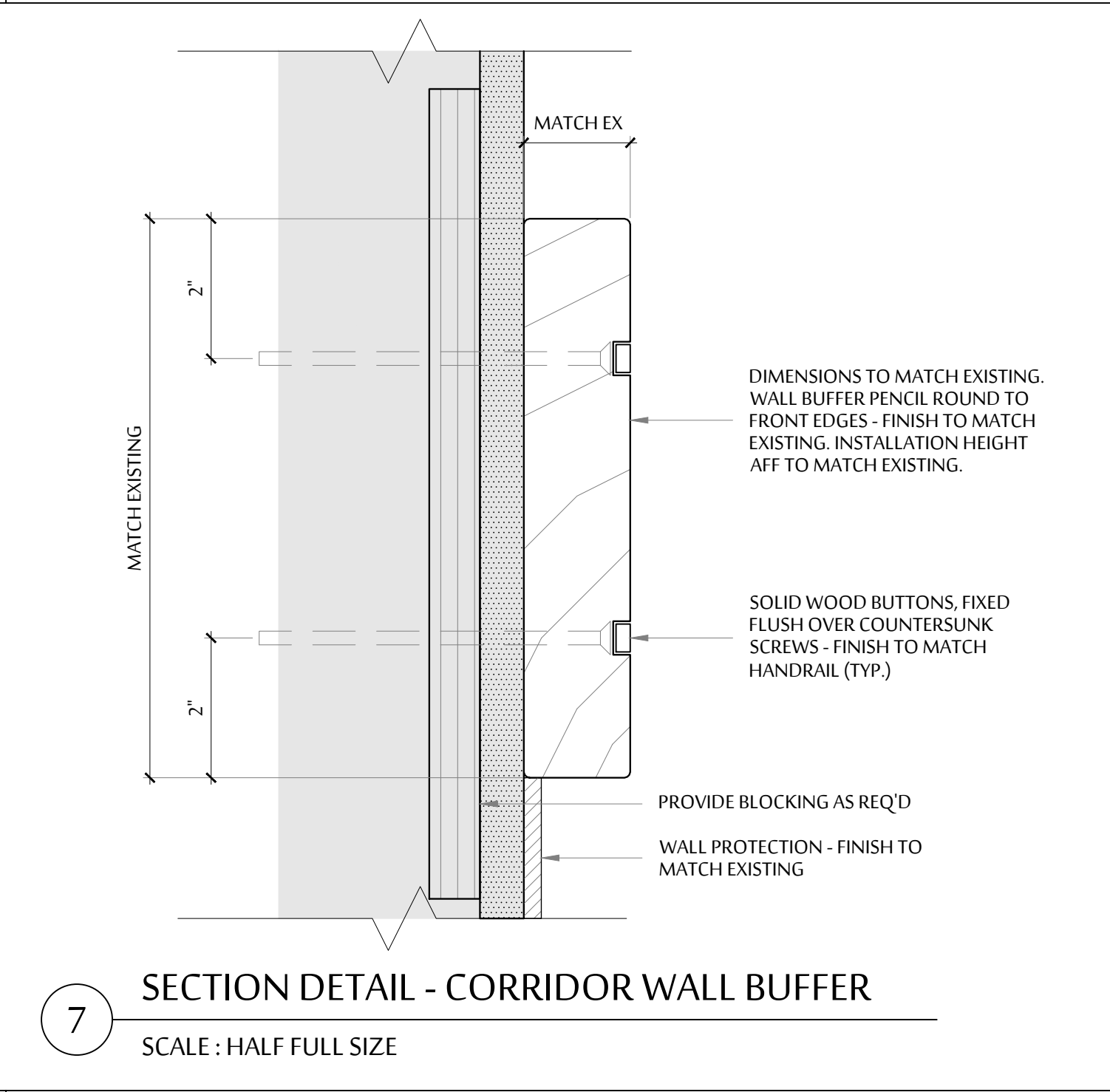
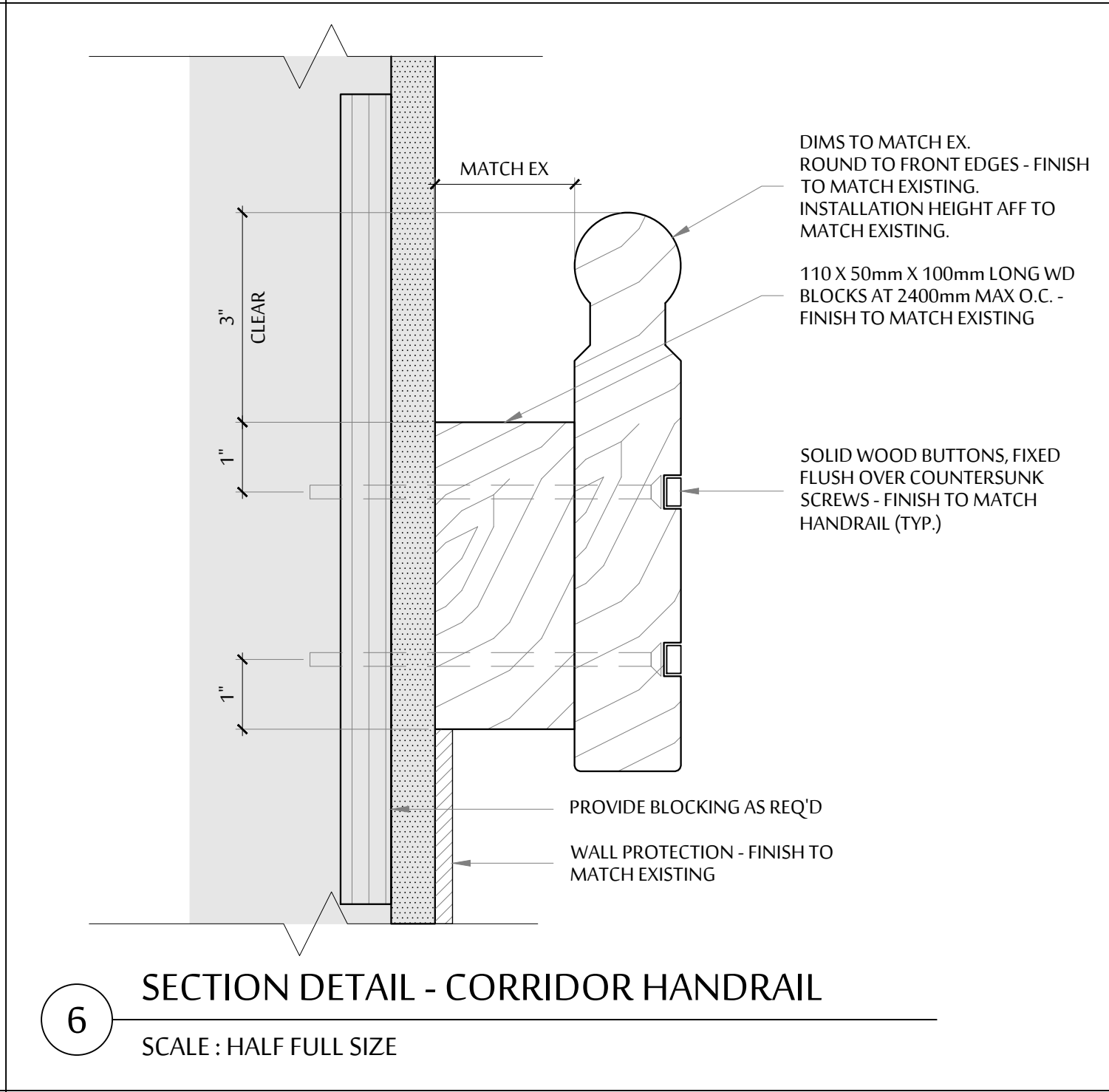
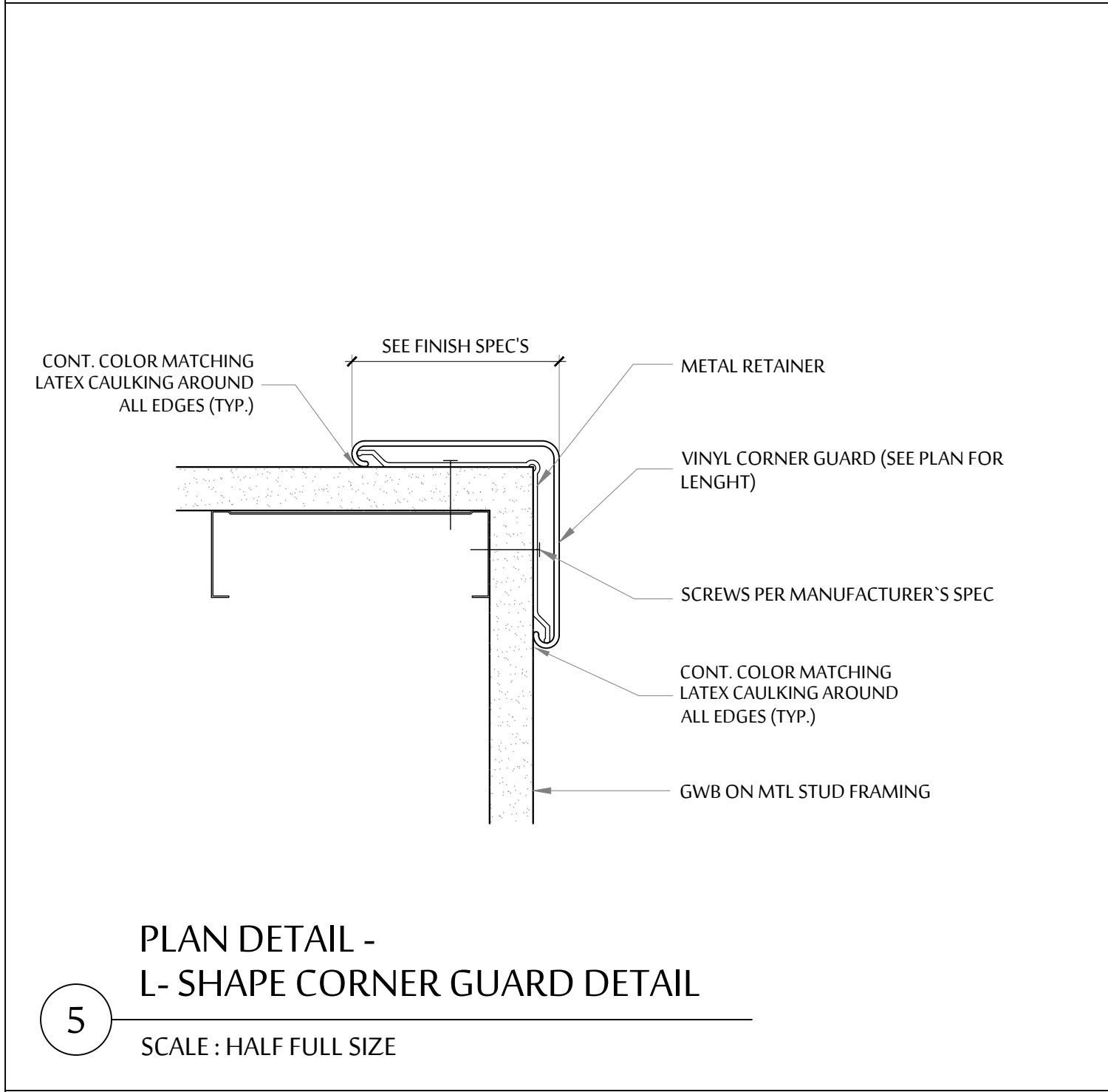
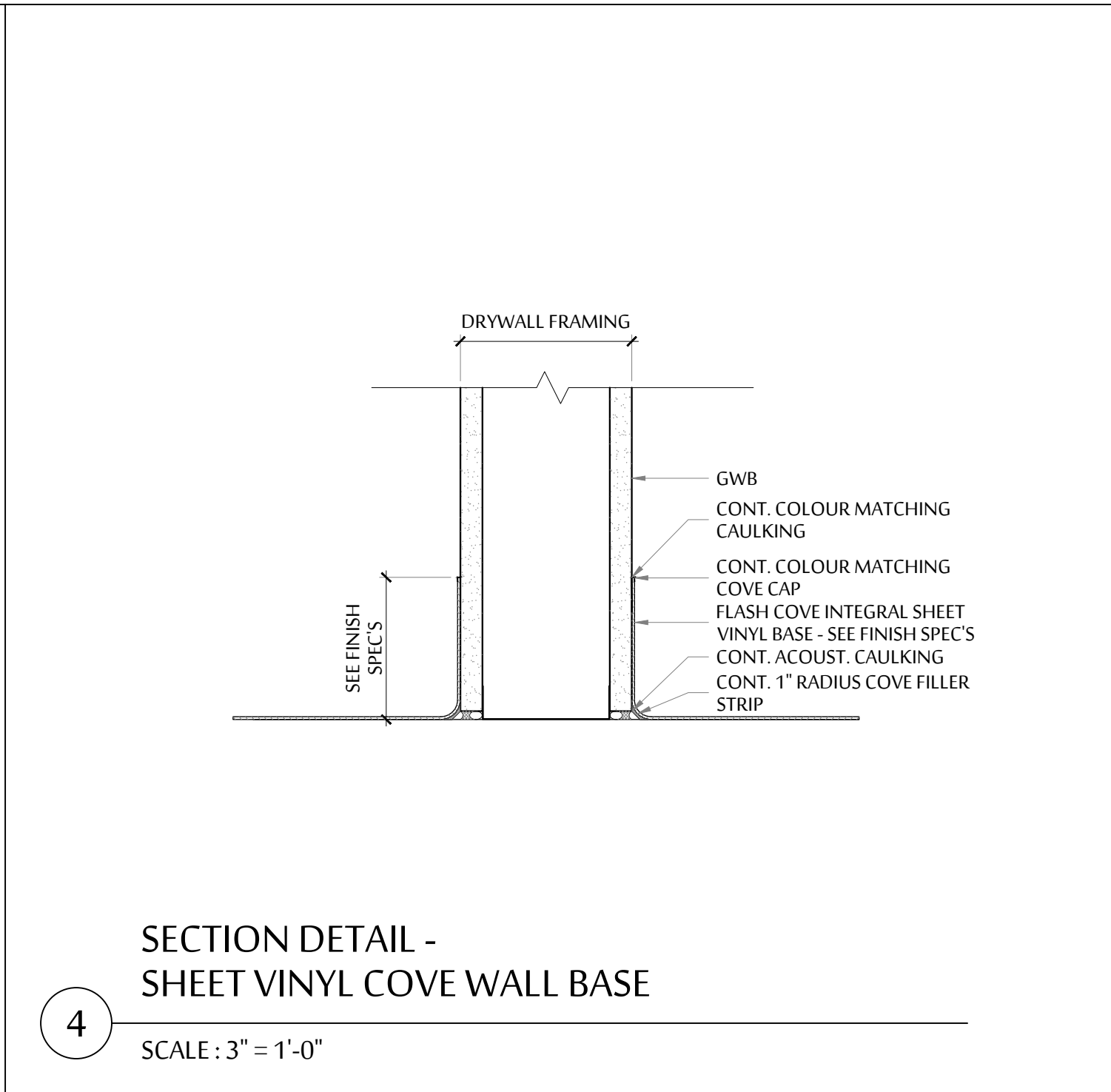
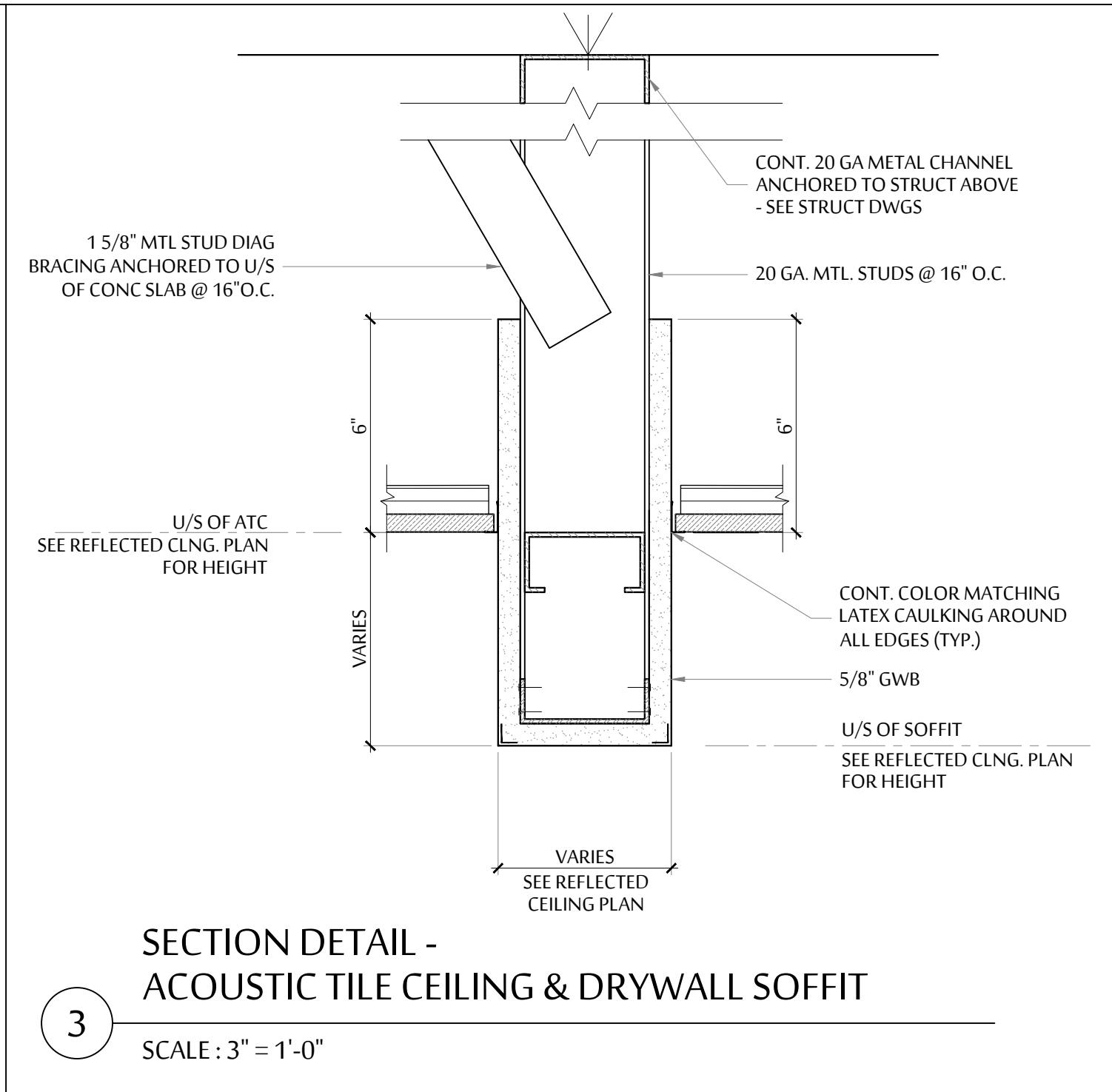
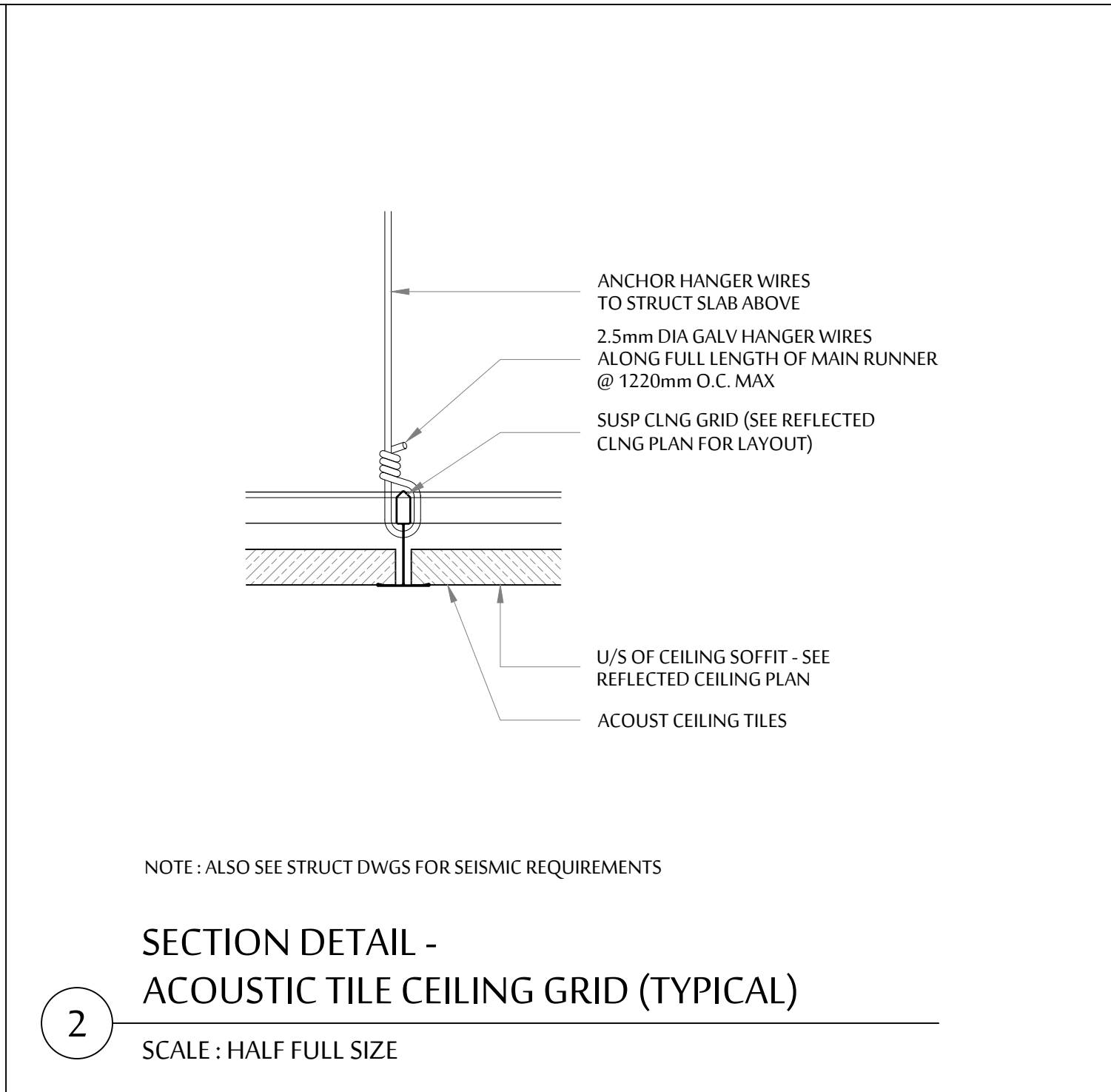
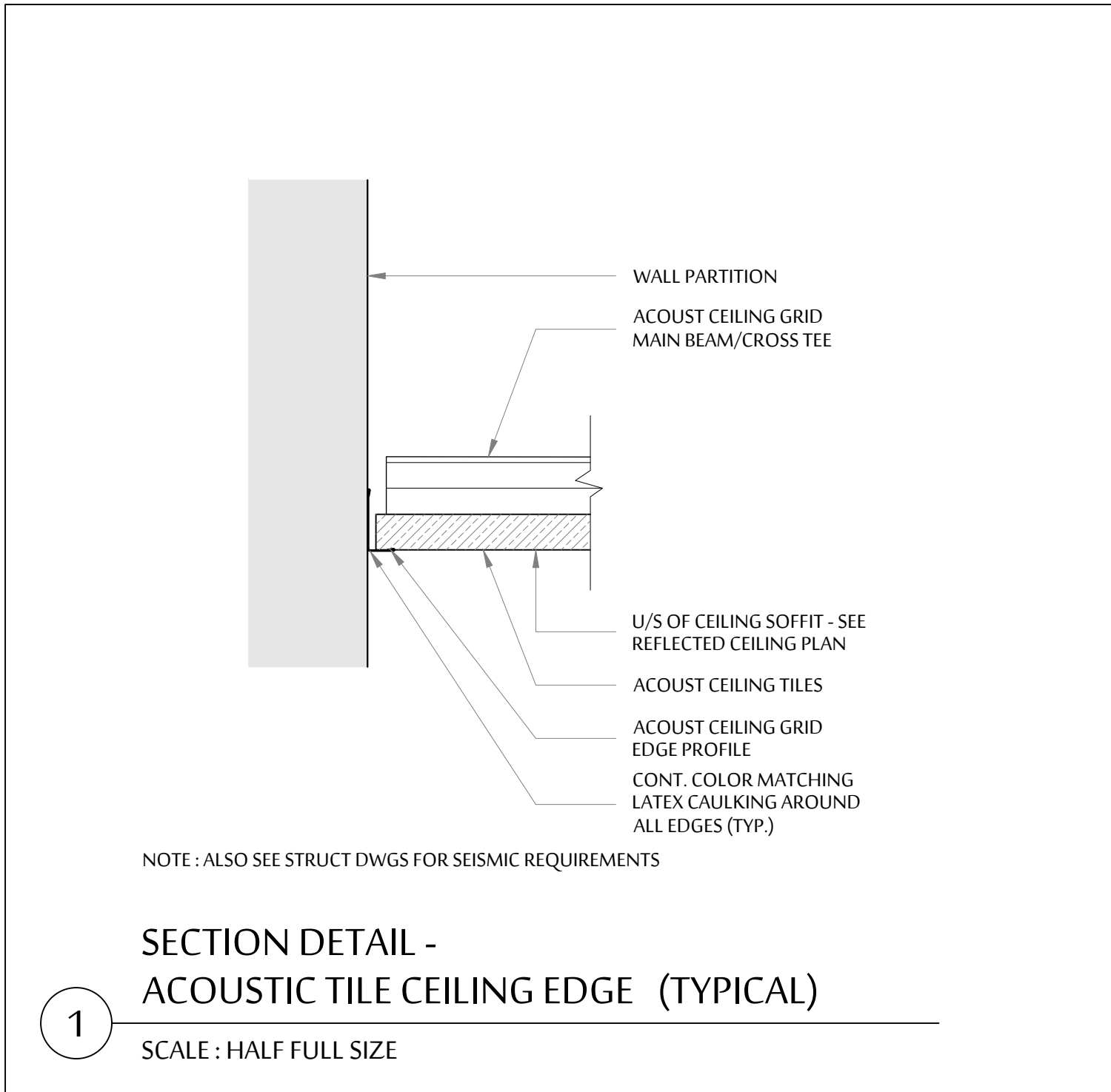
SCALE:
AS NOTED
DATE:
OCTOBER 2020
DRAWN:
RC
CHECKED:
DC
JOB No.:
DCYT2009

**PHASE 1
A2.06**

1 PHASE 1 - ROOF PLAN
SCALE : 1 = 75



**PHASE 1 - INTER FLUORO : APPROX.
GROSS FLOOR AREA = 95.7 m² (1,030 ft²)**



ARCHITECT :

DCYT
ARCHITECTURE
HEALTHCARE COMMERCIAL RESIDENTIAL INTERIOR DESIGN

WWW.DCYTARCHITECTURE.CA

8	ISSUED FOR ADDENDUM 2	2	FEB 26, 2021	RC
7	NOT ISSUED	-	-	-
6	ISSUED FOR TENDER	-	FEB 10, 2021	RC
5	NOT ISSUED	-	-	-
4	NOT ISSUED	-	-	-
3	NOT ISSUED	-	-	-
2	NOT ISSUED	-	-	-
1	NOT ISSUED	-	-	-
No.	REVISION		DATE	BY

THIS DRAWING IS THE PROPERTY OF DCYT ARCHITECTURE. REPRODUCTION OF THIS DRAWING IN WHOLE OR IN PART IS PROHIBITED UNLESS WITH WRITTEN PERMISSION.

northern health
the northern way of caring

**UHNBC
FLUOROSCOPY
REPLACEMENT**

1475 EDMONTON STREET, PRINCE GEORGE
BC V2M 1S2

**PHASE 1 - INTER FLUORO
TYPICAL DETAILS**

SCALE:
AS NOTED
DATE:
OCTOBER 2020
DRAWN:
RC
CHECKED:
DC
JOB No.:
DCYT2009

**PHASE 1
A5.03**

FINISHES & FIXTURES SCHEDULE							
	DESCRIPTION	TYPE	SIZE	BRAND	MODEL	COLOR/FINISH	NOTES
PAINT	WALL - FIELD COLOR	PT1	-	DULUX	LIFEMASTER (ZERO VOC)	ENDURING ICE - DLX1102-1	SHEEN : EGGSHELL
	WALL - ACCENT COLOR	PT2	-	DULUX	LIFEMASTER (ZERO VOC)	EMBELLISHMENT - DLX1151-2	SHEEN : EGGSHELL PROVIDE 3' X 3' MOCK UP OF THE ACCENT COLOR ON SITE FOR FINAL DECISION
	METAL DOOR FRAME	PT3	-	DULUX	LIFEMASTER (ZERO VOC)	MOTH GRAY - DLX1024-4	SHEEN : SEMI-GLOSS
	WOOD DOOR	PT3	-	DULUX	LIFEMASTER (ZERO VOC)	MOTH GRAY - DLX1024-4	SHEEN : SEMI-GLOSS
	CEILING	PT4	-	DULUX	LIFEMASTER (ZERO VOC)	DELICATE WHITE - DLX1001-1	SHEEN : FLAT
	WOOD WINDOW FRAME	PT5	-	DULUX	LIFEMASTER (ZERO VOC)	ENDURING ICE - DLX1102-1	SHEEN : SEMI-GLOSS
	WALL - CORRIDOR	PT6	-	DULUX	LIFEMASTER (ZERO VOC)	MATCH EXISTING	SHEEN : MATCH EXISTING
FLOORING	SHEET VINYL - FIELD COLOUR	SV1	2mm THICK	JOHNSONITE	IQ GRANIT	770 SOFT FLEECE WB	SEE FINISHES PLAN DWG A2.03 FOR EXTENT C/W 6" H INTEGRAL COVE BASE
	SHEET VINYL - CORRIDOR BORDER INFILL	SV2	2mm THICK	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	SEE FINISHES PLAN DWG A2.03 FOR EXTENT C/W INTEGRAL COVE BASE TO MATCH EXISTING HEIGHT
MILLWORK	PLAS LAM-BASE CABINET	PL1	-	NEVAMAR	HIGH PRESSURE LAMINTE	GRAPHITE BLUE S3023-T	FINISH: ARP (T-)
	PLAS LAM-UPPER CABINET	PL2	-	NEVAMAR	HIGH PRESSURE LAMINATE	BONE WHITE S7032-T	FINISH: ARP (T-)
	PLAS LAM-UPPER CABINET	PL3	-	NEVAMAR	HIGH PRESSURE LAMINATE	GARDEN MIST SG0004-T	FINISH: ARP (T-)
	DOOR HANDLE	DH1	-	RICHELIEU	1076CV	CHROME	-
WALL PROTECTION	CORNER GUARD 90 DEG	CG1	3" LEG	C/S ACROVYN 4000	SM-20N	#929 OYSTER GRAY	SEE FLOOR PLAN FOR HEIGHT
	CRASH RAIL	CR1	8" H	C/S ACROVYN	SCR-80	#929 OYSTER GRAY	ALUMINUM CLIP, SURFACE MOUNTED
	CRASH RAIL	CR2	5" H	C/S ACROVYN	SCR-50	#929 OYSTER GRAY	ALUMINUM CLIP, SURFACE MOUNTED
	WALL PROTECTION	WP1	0.06" THK	C/S ACROVYN 4000	-	#929 OYSTER GRAY	COMPLETE WITH COLOUR MATCHING CAULKING AT BUTT JOINT & WAINSCOT TRIM ON EXPOSED TOP & SIDES
	WALL PROTECTION	WP2	0.09" THK	PANOLAM	FRP	WHITE (CLASSIC COLLECTION) SMOOTH (SURFACE TEXTURE)	COMPLETE WITH COLOUR MATCHING CAULKING AT BUTT JOINT & WAINSCOT TRIM ON EXPOSED TOP & SIDES
CEILING	SUSPENDED T-BAR	ATC1	15/16"	ARMSTRONG	15/16" CLEAN ROOM ALUMINUM	WHITE	
	ACOUSTIC CEILING PANEL		24" X 24"	ARMSTRONG	ULTIMA HEALTH ZONE HIGH NRC	WHITE	SQUARE LAY-IN PANELS NRC : 0.80 / CAC : 35
MISCELLANEOUS	LEAD APRON HOOK	AH1	-	BOBRICK	HEAVY-DUTY CLOTHES HOOK B-2116	SATIN NICKEL-PLATED FINISH	COMPLETE WITH CONCEALED MOUNTING PROVIDE BACKING AS REQUIRED; SEE PLAN & ELEVATIONS FOR TOTAL NUMBER
	ROLLBOARD HOOK	RH1	-	SAMARIT	ROLLBOARD WALL MOUNT	WHITE	PROVIDE BACKING AS REQUIRED
	UNDER DESK CABLE TRAY ORGANIZER	CTO1	23.6" W	PROGRESSIVE DESK	D0-06-BLACK	BLACK POWDER COATED STEEL	MOUNT TO UNDERSIDE OF DESK

PART OF DWG A5.02

ADDENDUM 02 - FINISHES & FIXTURES SCHEDULE

DWG : ADD2-A01
SCALE : N/A
DATE : FEBRUARY 26, 2021

STRUCTURAL ADDENDUM No. 2

Project: UHN Fluoroscopy Replacement **File:** 11815
Architect: DCYT Architecture, Douglas Cheung **Date:** February 26, 2021

This Addendum forms part of the Contract Documents and amends the original Drawings and Specifications. The following are revisions to the information contained on the original drawings and specifications issued to the extent referenced and shall become a part thereof. No considerations will be allowed for extra cost to the contract price from the Contractor or SubContractors not being familiar with this Addendum.

1 Full Size Drawings Issued:

S11r 2 Phase 1 - Inter Fluoro - Roof & Penthouse Plans & Sections

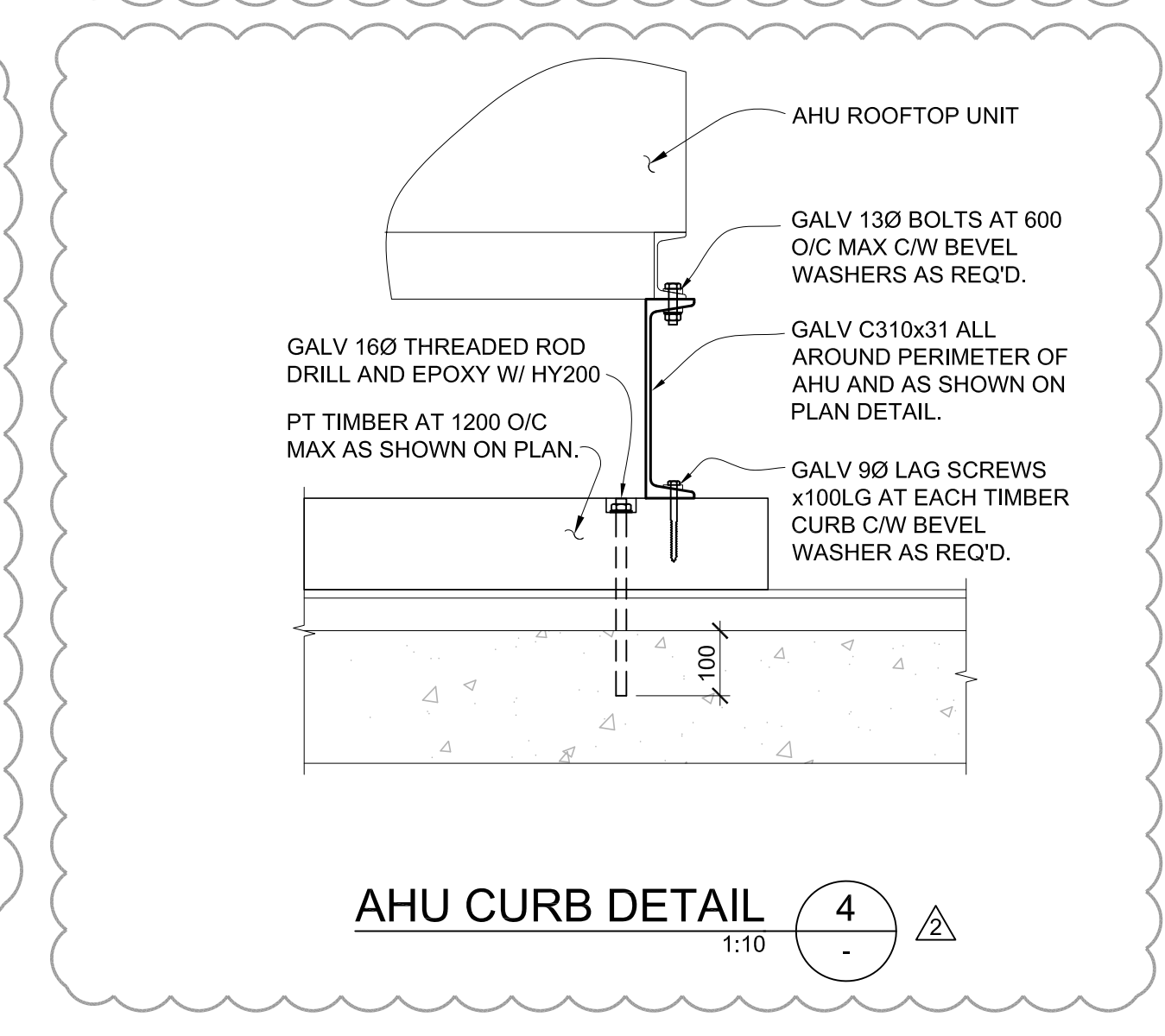
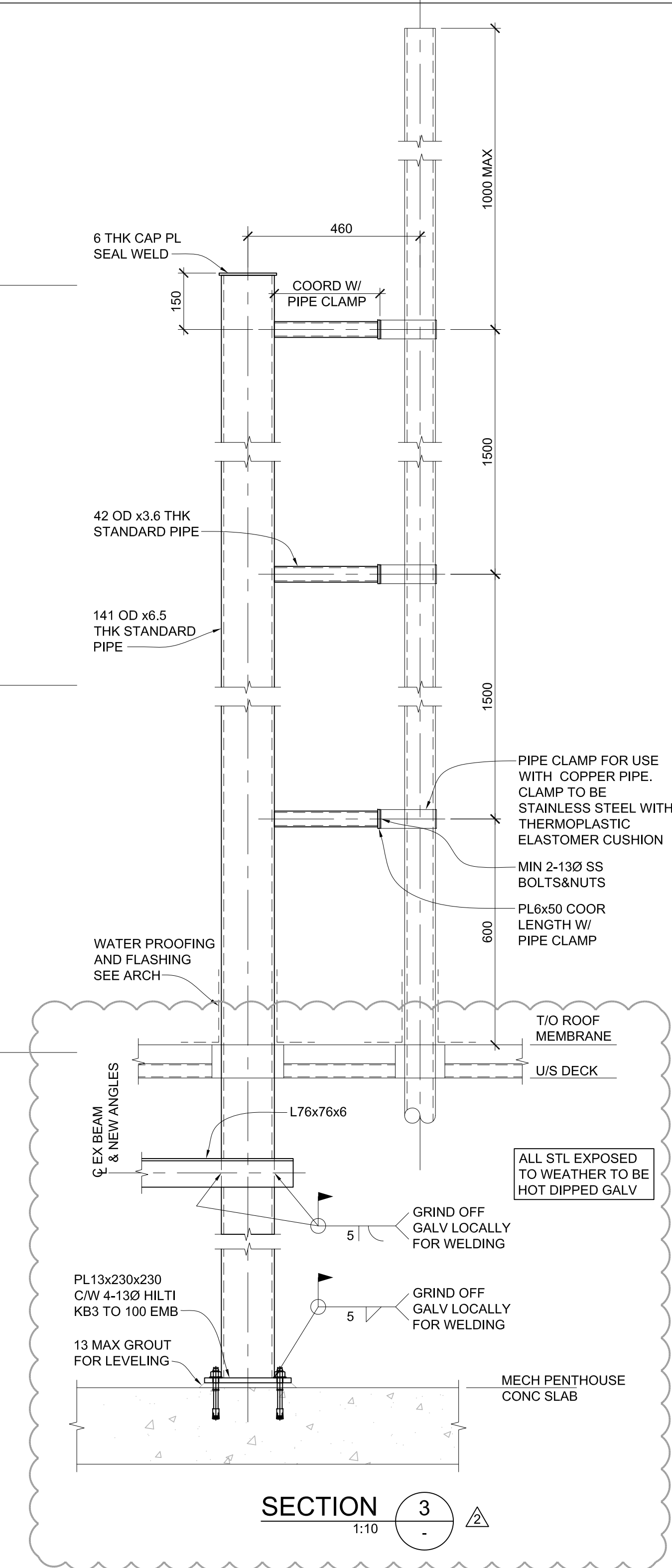
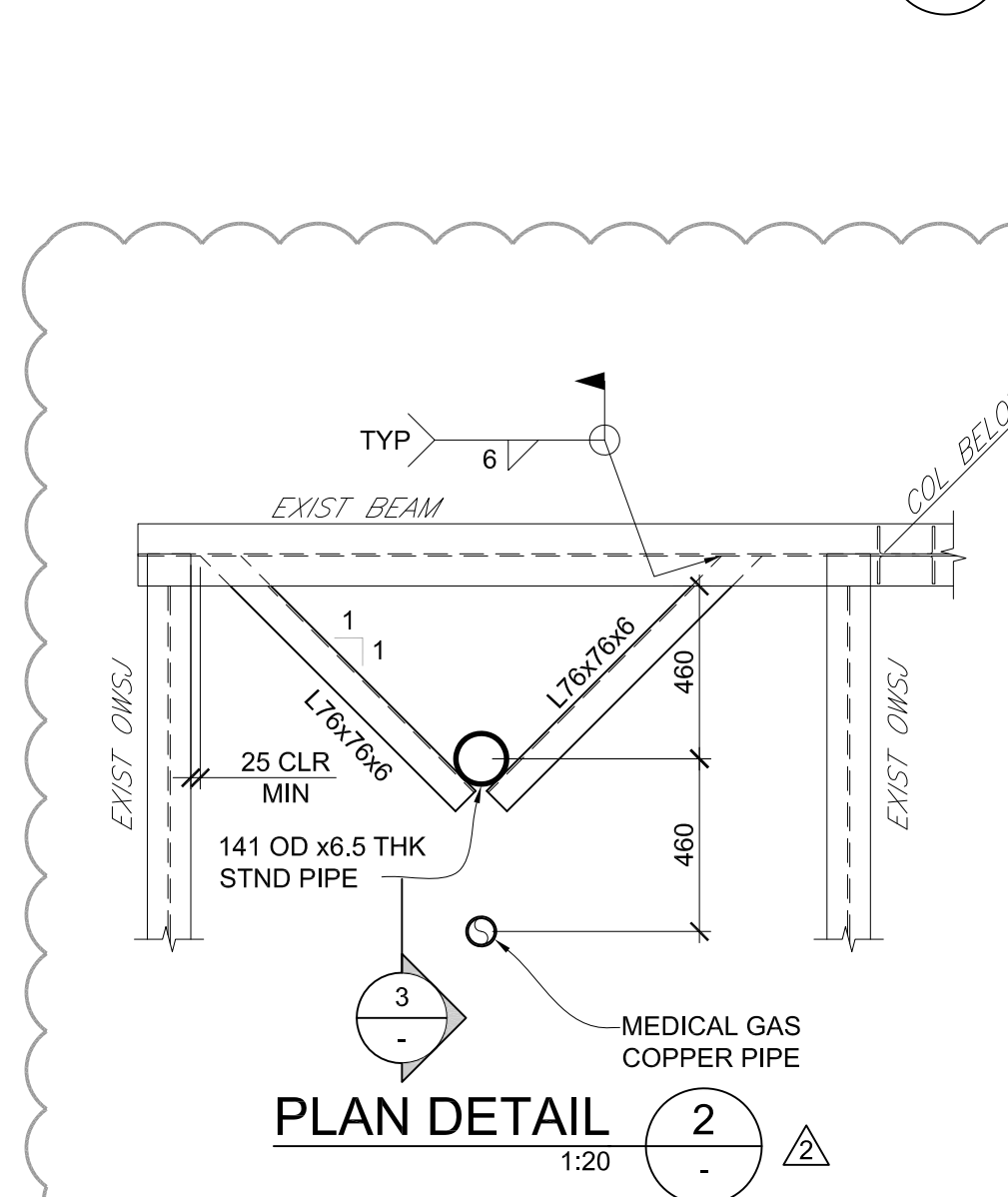
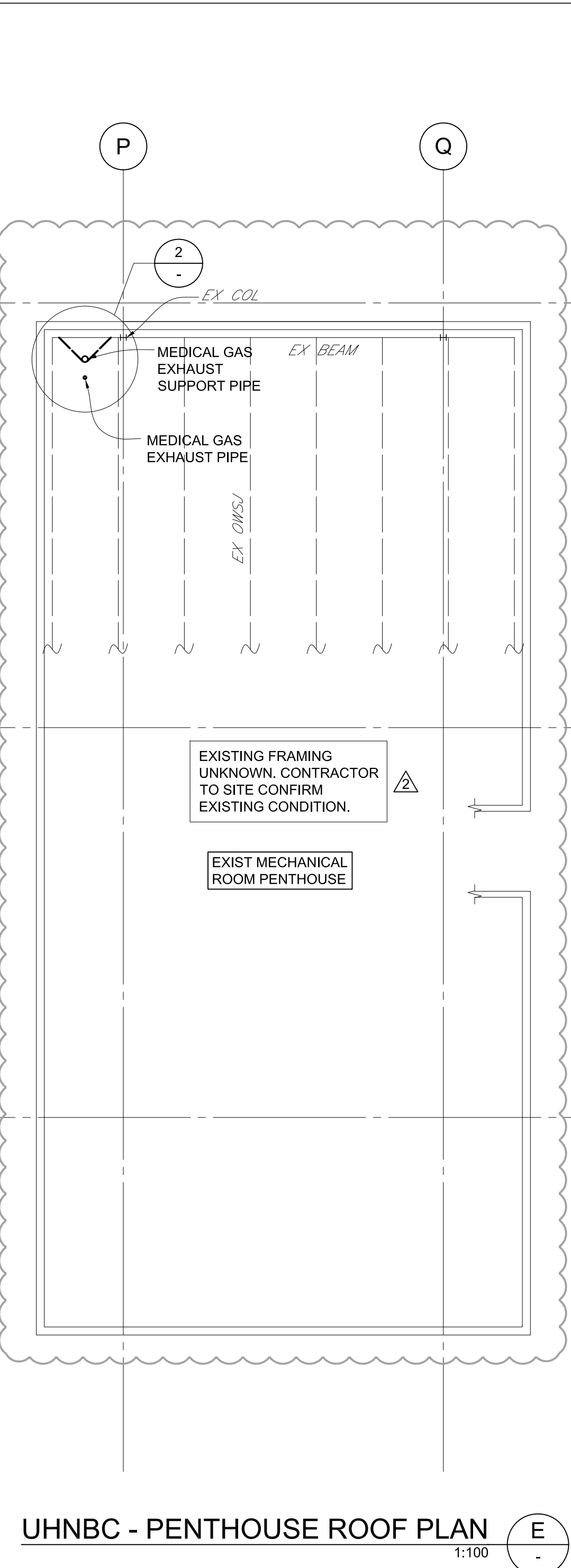
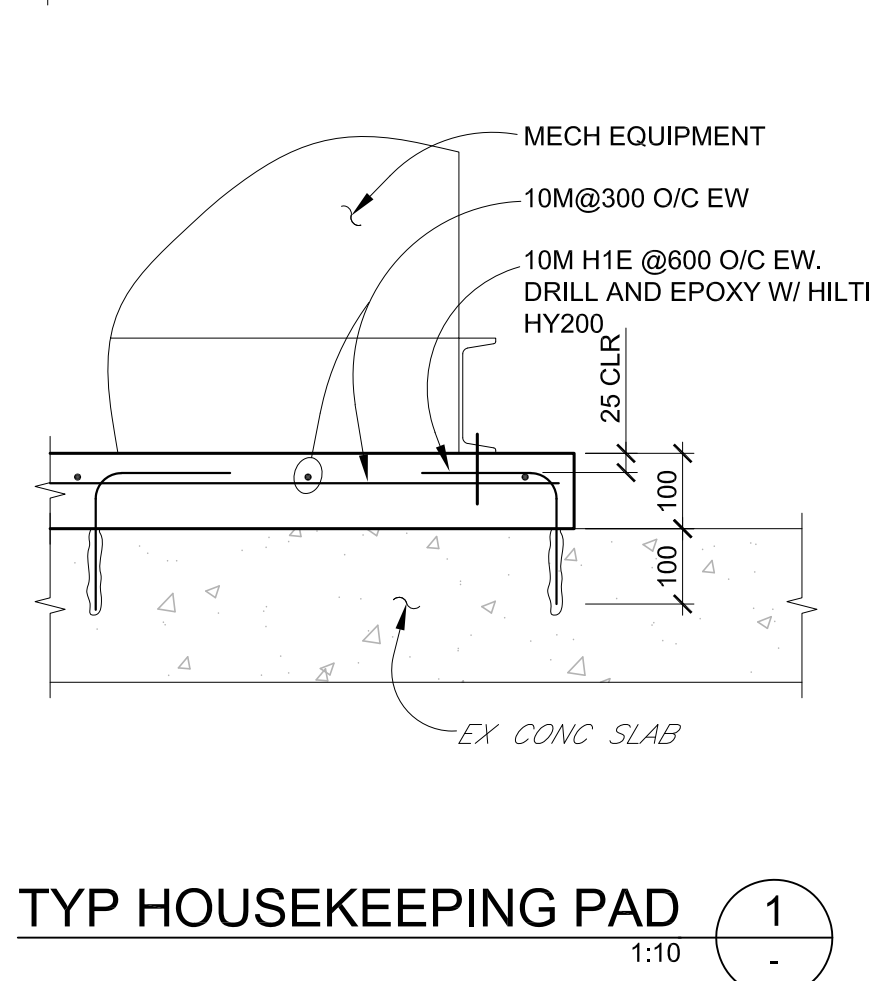
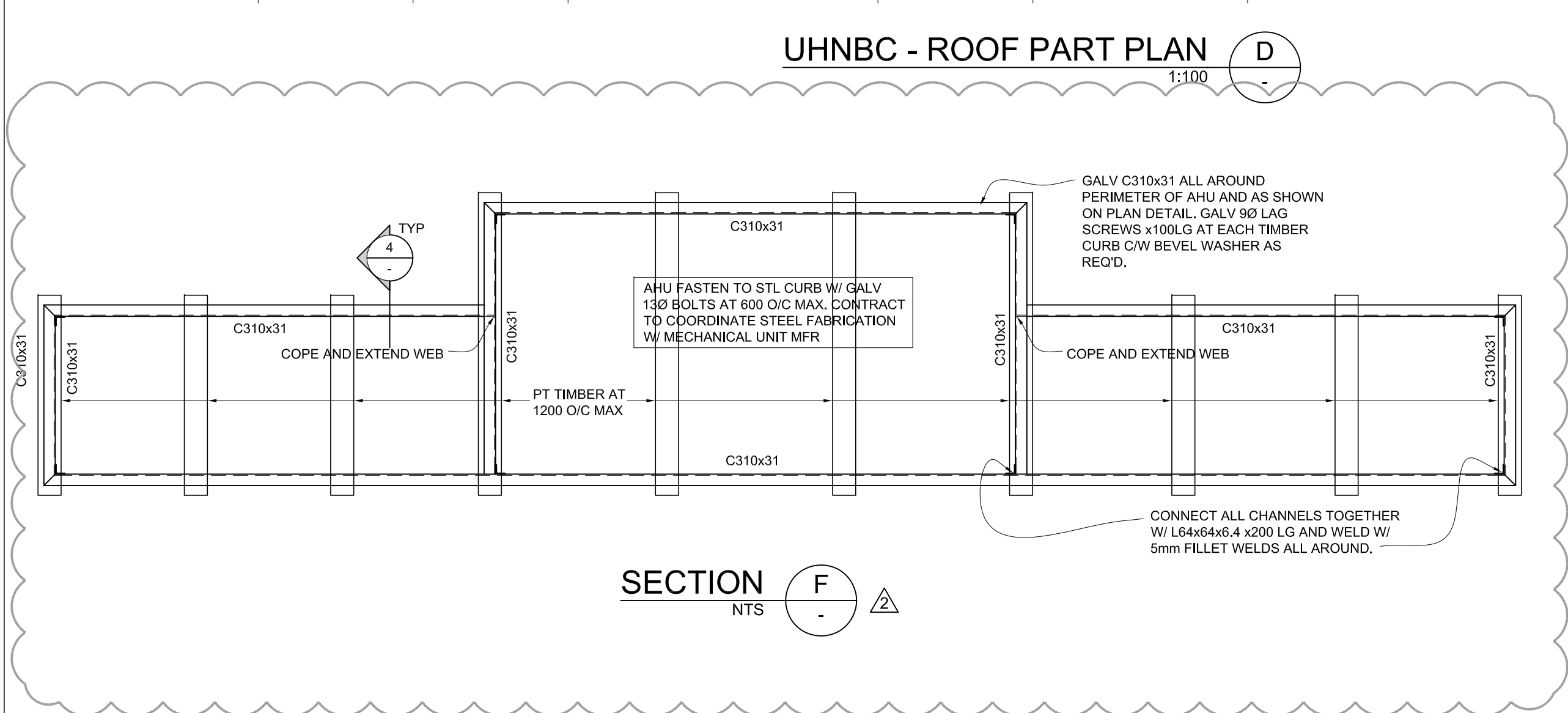
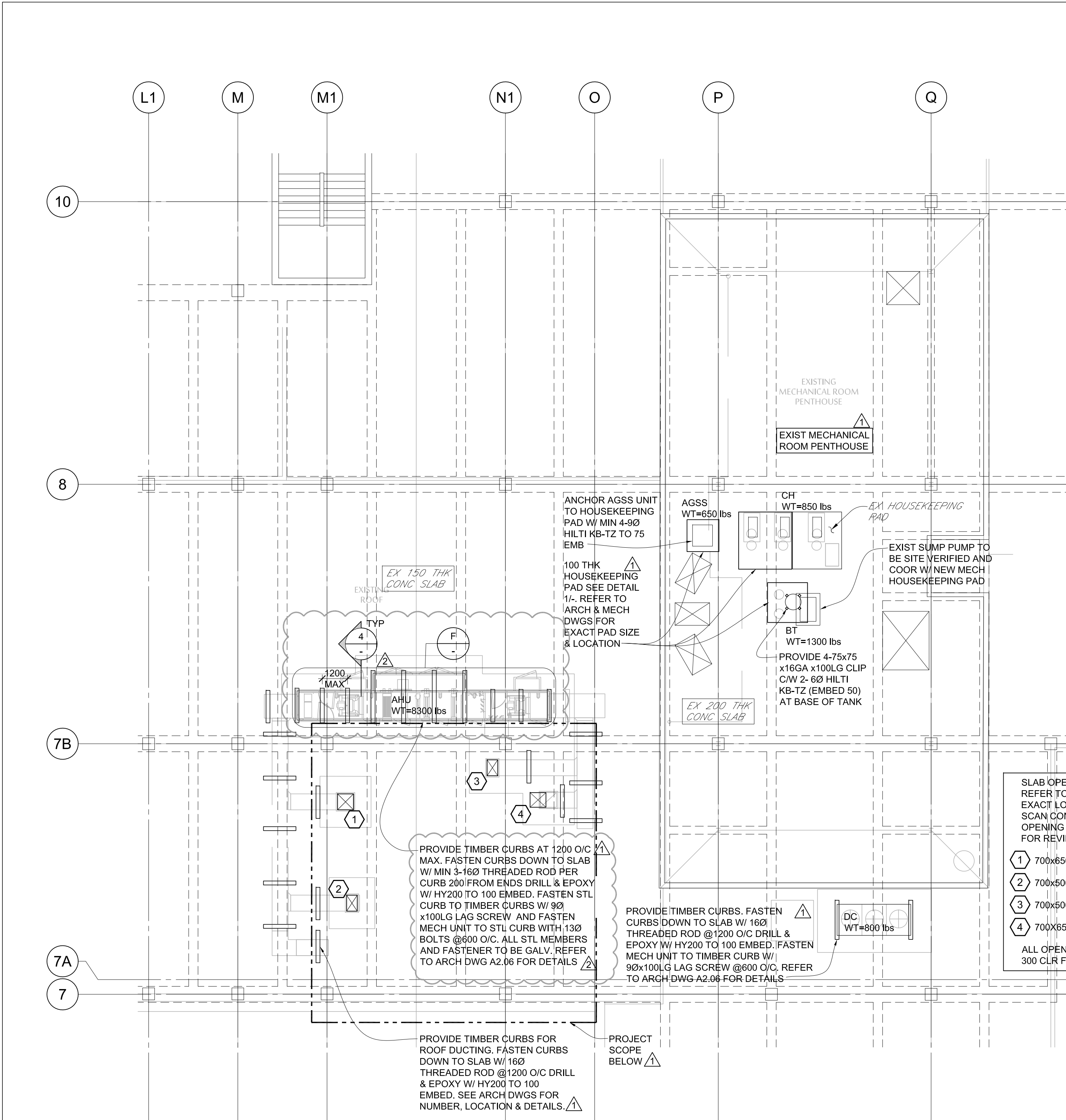
REVISIONS TO DRAWINGS**ITEM DWG. REVISION TO DRAWING / SPECIFICATION****1 S11 PHASE 1 - INTER FLUORO - ROOF & PENTHOUSE PLANS & SECTIONS**

- 1 On roof plan, change continuous AHU timber curb to timber curbs spaced at 1200mm on center and adjust notes to match as shown on S11 attached.
- 2 Add detail F and section 4 to show extent of pressure treated timber curbs and structural steel C310x31 curb around perimeter of AHU unit. All steel and fasteners to be hot dip galvanized as noted on details.
- 3 On penthouse roof plan, adjust existing roof framing based on site photos as existing framing does not match existing drawings. Framing is to be confirmed by the contractor on site prior to fabrication of medical gas exhaust support structure. Adjust support structure location to suit site conditions as shown on S11 attached.
- 4 Detail 2 and 3 revised to suit site conditions. Change vertical steel pipe size to 141mm outside diameter and extend to penthouse floor slab.


END OF STRUCTURAL ADDENDUM

Issued by: Chris Naylor

11815ADDM2



ARCHITECT :



HEALTHCARE COMMERCIAL RESIDENTIAL INTERIORDESIGN

WWW.DCYTARCHITECTURE.CA

C.Y. LOH ASSOCIATES LTD

Consulting Structural Engineers


1863 Powell Street
Vancouver, B.C. V5L 1H8
T: 604.254.0868
E: cyla@cyla.ca

Copyright reserved. This design and drawing is the exclusive property of C.Y. Loh Associates Ltd. and cannot be used for any purpose without the written consent of C.Y. Loh Associates Ltd.

Prior to commencement of the Work, the Contractor shall verify all dimensions, datums and levels to identify any errors and omissions, ascertain any discrepancies between this drawing and the full Contract Documents, and bring these items to the attention of the C.Y. Loh Associates Ltd. for clarification.

No.	REVISION	DATE	BY
02	ISSUED FOR TENDER ADDENDUM 2	2020.02.26	CN
01	ISSUED FOR TENDER ADDENDUM 1	2020.02.22	SAL
	ISSUED FOR TENDER	2020.02.10	SAL

THIS DRAWING IS THE PROPERTY OF DCYT ARCHITECTURE. REPRODUCTION OF THIS DRAWING IN WHOLE OR IN PART IS PROHIBITED UNLESS WITH WRITTEN PERMISSION.



the northern way of caring

UHNBC

FLUOROSCOPY

REPLACEMENT

1475 EDMONTON STREET, PRINCE GEORGE
BC V2M 1S2

PHASE 1 - INTER FLUORO

ROOF & PENTHOUSE

PLANS & SECTIONS

SCALE:

AS NOTED

DATE:

FEBRUARY 2021

DRAWN:

SAL

CHECKED:

KM

JOB No.:

11815

PHASE 1

S11

Client: Northern Health

Project Number: 20_002

Project Name: UHN Fluoroscopy

Attention: Douglas Cheung

Date: February 26, 2021

Addendum No: 2

Number of Pages: 2

General

1. AHU steel curb to be deleted from the equipment vendor requirements. The steel curb will be provided by structural. Refer to structural addendum for details.

Drawings

2. ADD: Drawing M2.202 Roof Mechanical Plan
 - a. Note #6 to be revised to have the existing HX-1 to be replaced with new
 - i. HX-1 to be as follows:
 - Armstrong (or equivalent) Plate and Frame
 - Model: A32H-150-101-750
 - a. ASME Rated with CRN.
 - b. Hot Side (water):
 - i. 78 GPM
 - ii. EWT: 55F
 - iii. LWT:43F
 - iv. PD: 2.14 PSI
 - v. 470 MBH
 - c. Cold Size (50% PG)
 - i. 107 GPM
 - ii. EWT: 40F
 - iii. LWT:50F
 - iv. PD:4.96 PSI
3. Clarification: Drawing M4.100 Schematics
 - a. 2-way control valve not shown for the AHU coils. Refer to Detail #4 M4.201.
4. Revise: Drawing M2.101 Level 1 Plumbing Plan
 - a. Note #9 to be revised to include electric heat tracing for the non-potable water line serving the steam generator in the AHU above.
 - i. Heat Trace to be Raychem 5XL2, 208v, 15 amp circuit.

5. ADD: Drawing M5.100 Schedules
 - a. AGSS that was added as part of addendum #1 is to include a BACNET controller,
 - i. Class 1 Inc AGSS Elektronikon Bacnet Controller
6. Clarification: Drawing M5.200 Specifications
 - a. Controls
 - i. The base building controls contractor is Houle
 - Contact: Nick Hauff
 - Nick@houle.ca
 - ii. Mechanical Contractor shall carry a cash allowance for DDC controls in the amount of:
\$97,000 + GST

End of Document

Jason Le, P.Eng., CEM
Senior Mechanical Engineer
P: 604 992 5920
E: jle@impacteng.ca

PROJECT: UHNBC Interventional Fluoroscopy – Phase 1

PROJECT No: 2474

PRIME CONSULTANT: DCYT Architecture

DATE: February 26, 2021

This addendum information is to be included as part of the tender documents, and the cost of this work shall be included in the tender amount. Indicate receipt of this addendum on the Tender Form.

1. Drawing #E2.01

- a. Specification for Light Fixtures LF01, LF02 and LF04 has changed.

LIGHTING LEGEND		
LF01	RECESSED 4" LED 1% DIMMING LIGHT, WALL WASH 11 WATTS, 1000 LUMENS, TUNABLE WHITE 2700-6500K, 90 CRI	COOPER LD4B 10 D010 EU4B 1020 90 1020W2N902765 4LB SW0GPH
LF02	RECESSED 4" LED 1% DIMMING LIGHT 21 WATTS, 2000 LUMENS, TUNABLE WHITE 2700-6500K, 90 CRI	COOPER LD4B 20 D010 EU4B 1020 90 1020W2N902765 4LB M02GPH
LF03	2'x4' LED FLAT PANEL, 0-10V DIMMING 30W, 3600 LUMENS, 3500K	LITELINE LEDP-24-WH-35-30W-120
LF04	2'x2' LED ARCHITECTURAL FIXTURE, 1% 0-10V DIMMING, CLEAN ROOM 20W, 2500 LUMENS, TUNABLE WHITE 2700-3500K, 90 CRI	METALUX ENCOUNTER ENC 242 LED2 25 2765 CA125 UNV ED1D 1 90

- b. The alternate lighting package from Symmetry Lighting has been reviewed and is acceptable, along with the N-Light lighting controls.
- c. The colour temperature lighting control is to adjust the colour temperature of all LF01, LF02 and LF04 fixtures on dimming circuits a,b,c.

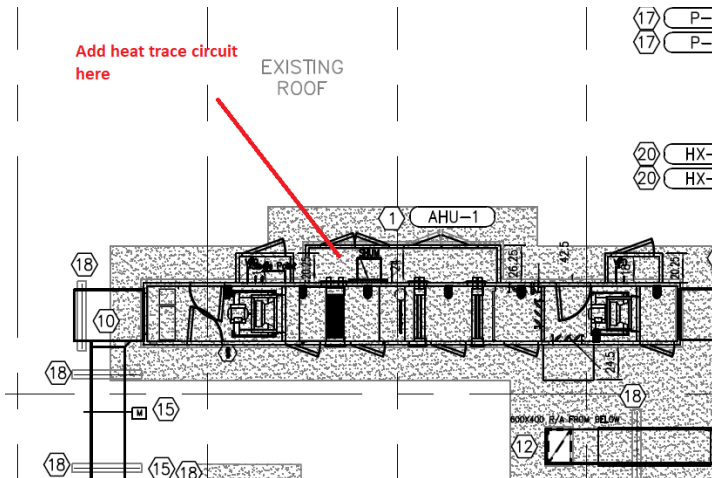
2. Acceptable alternate for the 225 KVA transformer feeding panel PNL-IFL is:

- a. Delta
Copper Windings
Triple Electrostatic Shielding
K13 Rated
150 DegC Rise
Low 2% impedance
3R enclosure

3. For the transformer feeding Panel D1A, a more standard size of 30 KVA is acceptable. General Purpose transformer with fully isolated windings, Aluminum windings, 3R enclosure is acceptable.

4. Mechanical Equipment:

- a. Pumps P1A and P1B have changed from 7.5 HP to 10 HP, still at 600V/3.
- b. Provide a 15A, 208V breaker and feeder to heat trace within the AHU enclosure



- c. Add 120V, 15A circuit and connect to glycol tank in mechanical penthouse.

