

**PARTIAL GROUND FLOOR DEMOLITION PLAN**  
SCALE: 3/16" = 1'-0"

- ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY
- PATCH FLOOR SLAB TO MATCH EXISTING AS REQUIRED AT SANITARY CONNECTION. MAKE GOOD ALL FINISHES.
- TYPICAL FOR NEW OPENINGS IN EXISTING BLOCK:
- REMOVE PARTIAL BLOCK AND INSERT NEW BLOCK BACK INTO THE TEETH TO MAKE THE JAMBS FLUSH FOR NEW DOORS OR NEW OPENING LOCATIONS (TOOTHING MASONRY).

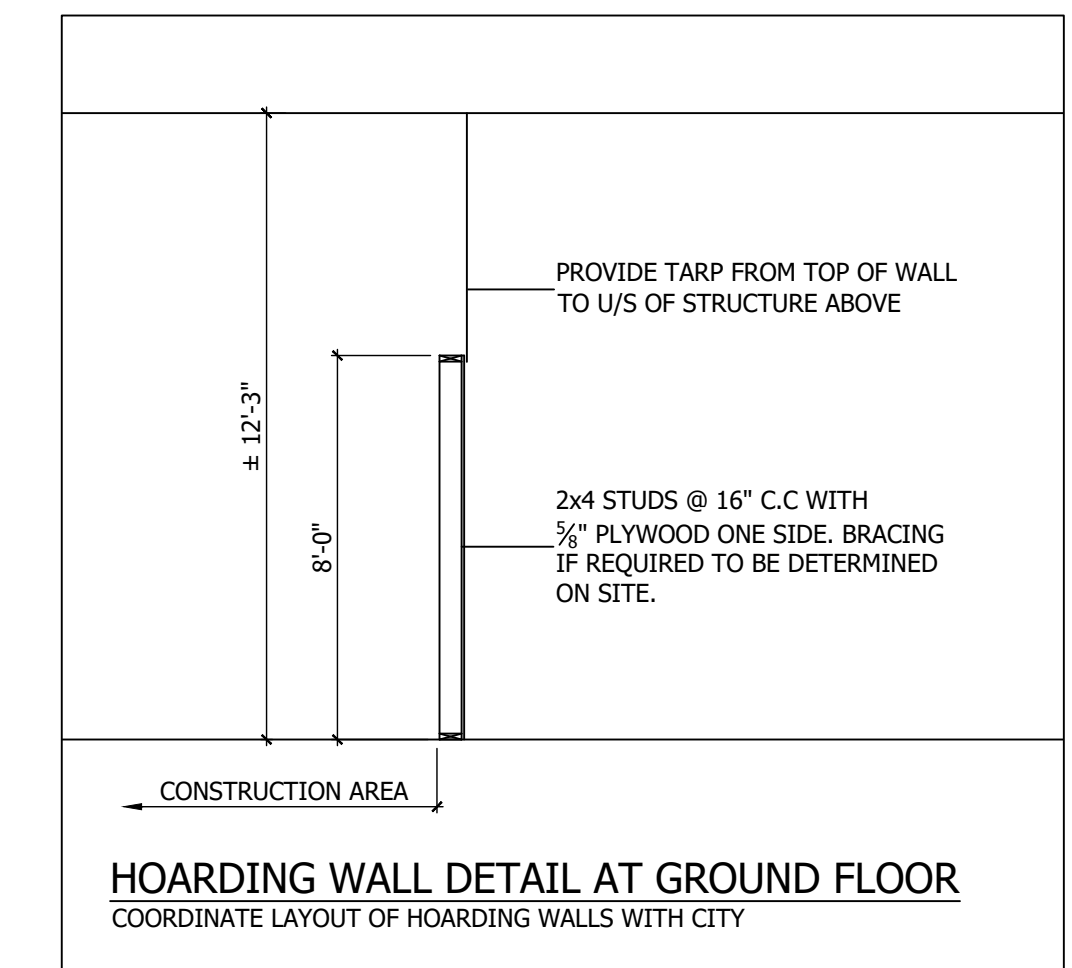
- EXISTING BLOCK WALLS TO BE REMOVED
- EXISTING STUD & GYPSUM BOARD WALLS TO BE REMOVED
- SHORING LOCATION

**DEMOLITION NOTES:**

- A. EXISTING FRAMED WALL BEHIND URINALS COVERED WITH STAINLESS STEEL APPROXIMATELY 48" HIGH. WALL TO BE REMOVED ALONG WITH BLOCK WALL AND URINALS.
- B. EXISTING WASHER (W) AND DRYER (D) TO BE REMOVED AND TURN OVER TO OWNER.
- C. EXISTING LOCKERS TO BE REMOVED AND TURNED OVER TO OWNER.
- D. EXISTING BUILT IN CABINETS TO BE REMOVED.
- E. EXISTING LOW AND HIGH CABINETS, SINK & FRIG TO BE REMOVED TURN FRIG OVER TO OWNER.
- F. WALL BEHIND WATER CLOSETS THAT IS TO BE REMOVED HAS 48" HIGH TILE. TILES ON SHOWER WALLS.
- G. REMOVE PART OF WALL FOR NEW DOOR OPENING.
- H. REMOVE EXISTING BLOCK TIES ON COLUMNS AND PROVIDE CLEAN SURFACE TO INSTALL NEW TIES (IF REQUIRED) FOR NEW BLOCK.
- I. NOT USED.
- J. REPAIR FLOOR WHERE BLOCK AND STUDS WALLS ARE REMOVED.
- K. SHADED AREA REPRESENTS EXISTING CONCRETE RAISED LANDING AND STAIR TO BE REMOVED.
- L. REMOVE EXISTING GYPSUM BOARD AND STRAPPING FROM LINE '9' TO '12'. PROVIDE CLEAN SMOOTH SURFACE FOR NEW PAINT FINISH.
- M. BLOCK TO BE REMOVED TO MINIMUM ONE COURSE BELOW FLOOR SLAB. SEE FOUNDATION PLAN.
- N. EXISTING COUNTER AND SHELF BELOW TO BE REMOVED.
- P. REMOVE CHAIR RAIL WALL PROTECTION ON MECHANICAL ROOM AND LUNCH ROOM NORTH WALLS AND REPAIR GYPSUM BOARD AT FASTENERS AND PREP FOR NEW PAINT FINISH.
- Q. END OF WALL ABOVE EXISTING OPENING TO HAVE NEW BLOCK INSERT BACK INTO THE TEETH TO MAKE THE END OF WALL FLUSH WITH EXISTING END OF WALL BELOW (TOOTHING MASONRY).
- R. SHORE EX BEAMS. CONTRACTOR TO PROVIDE SHORING DESIGN TO SPH FOR REVIEW. SHORING DESIGN TO BE STAMPED BY PROFESSIONAL ENGINEER CURRENTLY REGISTERED IN ONTARIO. SEE STRUCTURAL DRAWINGS FOR LIMIT OF COLUMN TO BE REMOVED.
- S. REMOVE EXISTING SLAB LOCALLY TO ALLOW EXISTING COLUMN TO BE REMOVED.

**OFFICE DEMOLITION NOTES:**

- EX OFFICE 1**
  - REMOVE EXISTING VINYL FLOORING AND PROVIDE CLEAN SMOOTH SURFACE FOR NEW FLOORING
  - REMOVE EX SUSPENDED CEILING
  - REMOVE EX VINYL BASEBOARD
  - REFER TO MECHANICAL/ ELECTRICAL FOR EXISTING UTILITY REMOVALS
- EX OFFICE 2**
  - REMOVE EXISTING VINYL FLOORING AND PROVIDE CLEAN SMOOTH SURFACE FOR NEW FLOORING
  - REMOVE EX SUSPENDED CEILING
  - REMOVE EX VINYL BASEBOARD
  - CONTRACTOR TO BE AWARE POSSIBLE GLASS IN PREVIOUSLY FILLED IN EXISTING WINDOWS IN INTERNAL WALLS (2 LOCATIONS)
  - REFER TO MECHANICAL/ ELECTRICAL FOR EXISTING UTILITY REMOVALS
- EX OFFICE 3**
  - REMOVE EXISTING VINYL FLOORING AND PROVIDE CLEAN SMOOTH SURFACE FOR NEW FLOORING
  - REMOVE EX SUSPENDED CEILING
  - REMOVE EX VINYL BASEBOARD
  - EXISTING WINDOWS IN INTERNAL WALLS (1 LOCATION)
  - REFER TO MECHANICAL/ ELECTRICAL FOR EXISTING UTILITY REMOVALS
- EX OFFICE 4**
  - REMOVE EXISTING VINYL FLOORING AND PROVIDE CLEAN SMOOTH SURFACE FOR NEW FLOORING
  - REMOVE EX SUSPENDED CEILING
  - REMOVE EX VINYL BASEBOARD
  - REFER TO MECHANICAL/ ELECTRICAL FOR EXISTING UTILITY REMOVALS
- EX LUNCH ROOM**
  - REMOVE EXISTING VINYL FLOORING AND PROVIDE CLEAN SMOOTH SURFACE FOR NEW FLOORING
  - REMOVE EX SUSPENDED CEILING
  - REMOVE EX VINYL BASEBOARD
  - REFER TO MECHANICAL/ ELECTRICAL FOR EXISTING UTILITY REMOVALS
- EX MEN'S WASHROOM**
  - SHOWERS: REMOVE CURBS, FLOOR TILE AND SLOPING MORTAR. PROVIDE CLEAN SMOOTH SURFACE. REMOVE GYPSUM BOARD CEILING.
- EX WOMEN'S WASHROOM**
  - SEE NOTE F
  - REMOVE EXISTING SUSPENDED CEILING
  - SHOWERS: REMOVE CURBS, FLOOR TILE AND SLOPING MORTAR. PROVIDE CLEAN SMOOTH SURFACE. REMOVE GYPSUM BOARD CEILING.
- EX MEN'S LOCKER ROOM**
  - CONTRACTOR TO COORDINATE WITH OWNER THE REMOVAL AND RELOCATION OF LOCKERS AND RACKS.



**HOARDING WALL DETAIL AT GROUND FLOOR**  
COORDINATE LAYOUT OF HOARDING WALLS WITH CITY

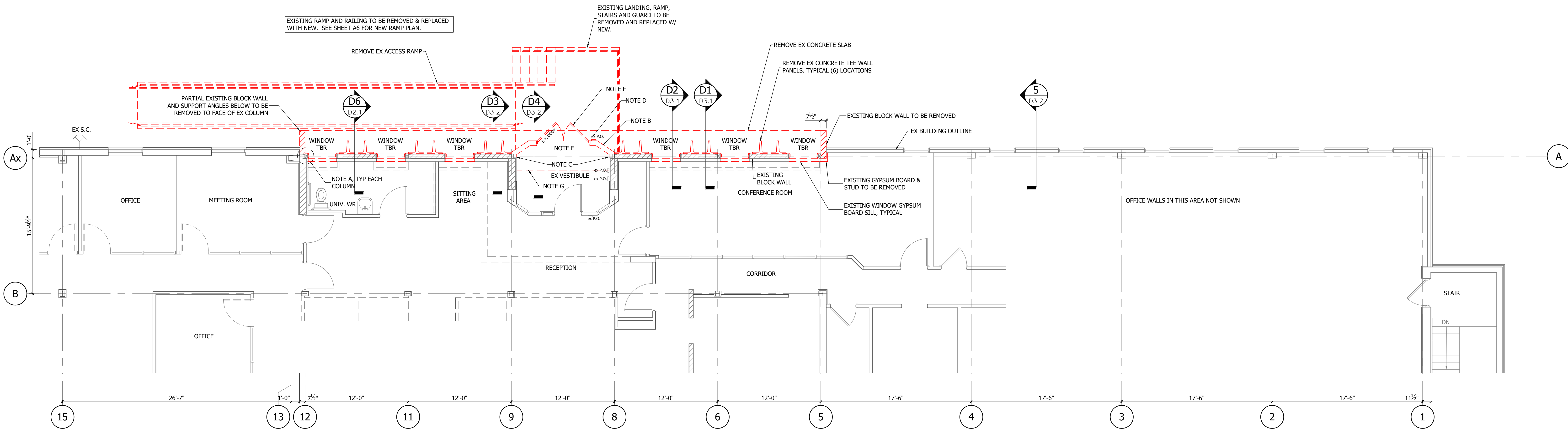
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DATE 2024-07-24	REV. BY AA	DESCRIPTION JH	FILE NAME 21367MAIN16	DRAWING <b>D1.1</b>
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CLIENT  
**CITY OF WOODSTOCK**  
ENGINEERING BLDG  
944 JAMES ST

PROJECT  
**ADDITION AND RENOVATION**

DRAWING  
**GROUND FLOOR DEMOLITION PLAN**

**SPH ENGINEERING INC.**  
REAL WORLD ENGINEERING SOLUTIONS  
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485037 SWEABURG ROAD  
WOODSTOCK, ONTARIO  
N4S 7V6



**PARTIAL FIRST FLOOR DEMOLITION PLAN**  
 SCALE: 3/16" = 1'-0"

- ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY  
 - PATCH FLOOR SLAB TO MATCH EXISTING AS REQUIRED MAKE GOOD ALL FINISHES.

EXISTING BLOCK WALLS TO BE REMOVED  
 EXISTING STUD & GYPSUM BOARD WALLS TO BE REMOVED

- DEMOLITION NOTES:
- A. ALLOW FOR INSPECTION OF CONDITION OF COLUMNS ONCE REMOVAL IS COMPLETE PRIOR TO COVERING (GRID LINES '5' TO '12').
  - B. EXISTING EFIS WALL AND ENTRANCE DOOR TO BE REMOVED. SALVAGE AND RELOCATE EX B.F. DOOR
  - C. WALL REPAIRS EXPECTED AT THESE AREAS ONCE CONCRETE TEES AND SLAB FLOORING AREAS ARE REMOVED.
  - D. REMOVE & RELOCATE EX POWER DOOR OPERATOR.
  - E. REMOVE AND REPAIR EX FLOOR TILE WHERE WALLS ARE REMOVED. MAKE GOOD ALL FINISHES
  - F. REMOVE AND SALVAGE EXISTING VESTIBULE DOOR. TO BE REUSED IN NEW VESTIBULE.
  - G. APPROXIMATE LINE OF EXISTING CEILING TILE TRACK. EXISTING CEILING NORTH OF THIS LINE TO BE REMOVED.

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**FIRST FLOOR  
 DEMOLITION PLAN**



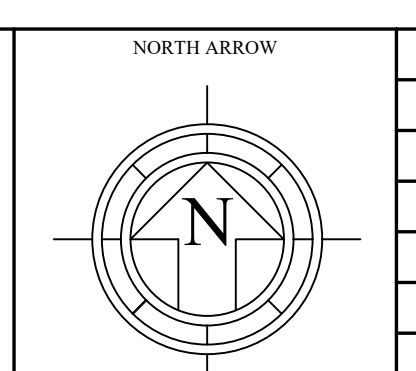
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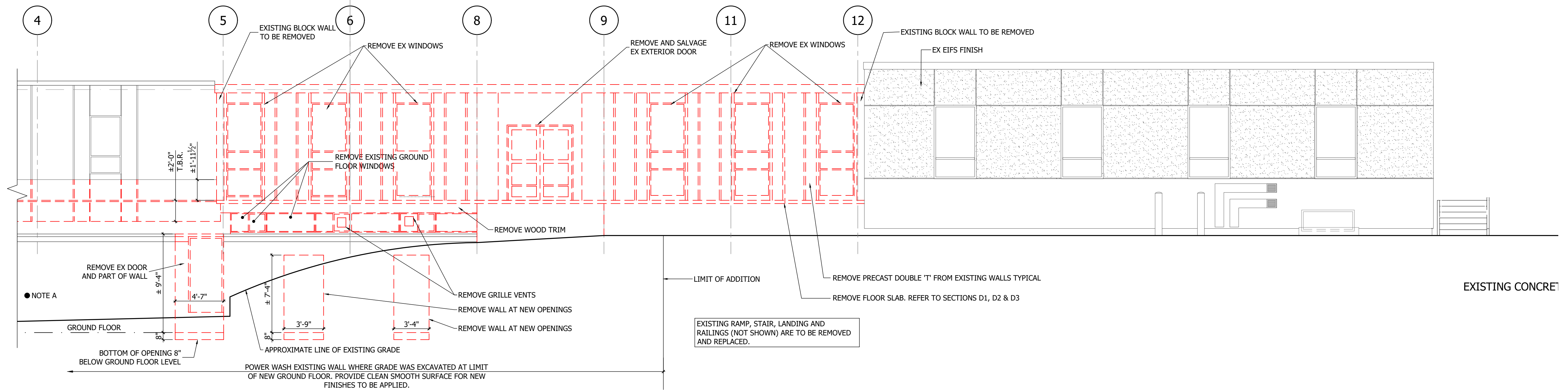
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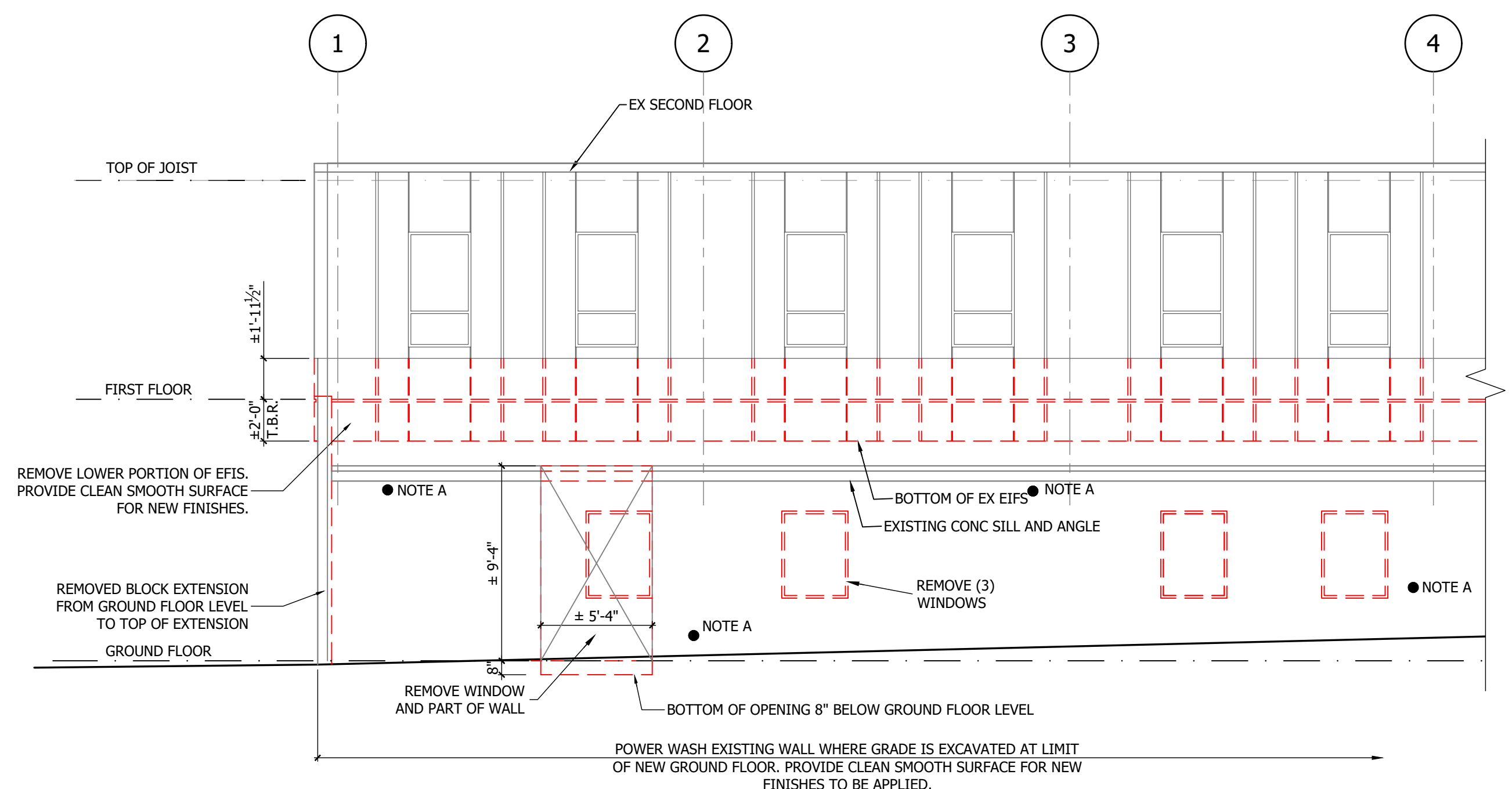


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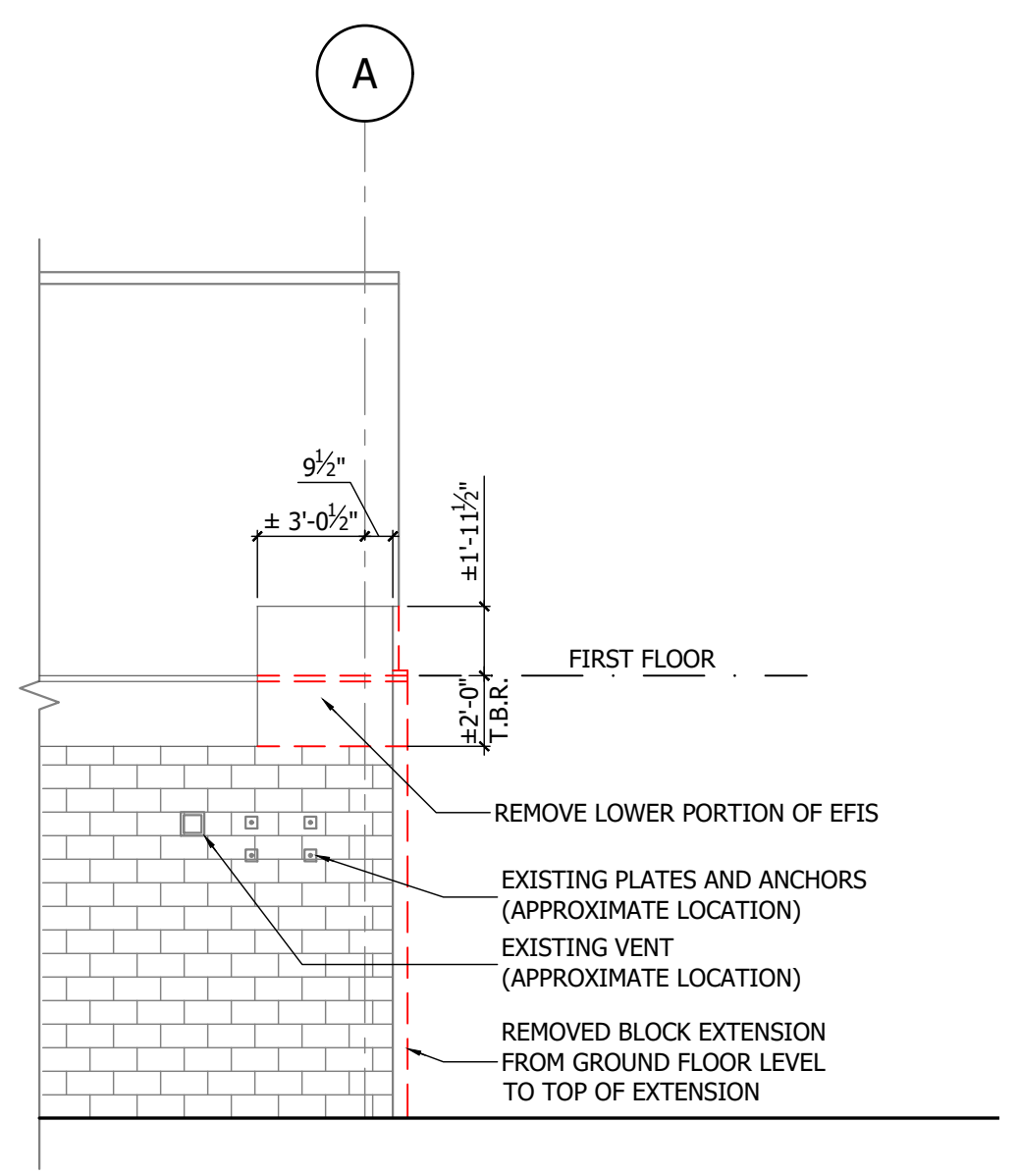


**PARTIAL NORTH ELEVATION - DEMOLITION**  
SCALE: 3/16" = 1'-0"



**PARTIAL NORTH ELEVATION- DEMOLITION**  
SCALE: 3/16" = 1'-0"

- ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE CONFIRMED.  
- NOTE A: REMOVE VENTS OR PIPES AND FILL IN HOLES BLOCK WITH GROUT.



**PARTIAL EAST ELEVATION- DEMOLITION**  
SCALE: 3/16" = 1'-0"

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**ADDITION  
AND  
RENOVATION**

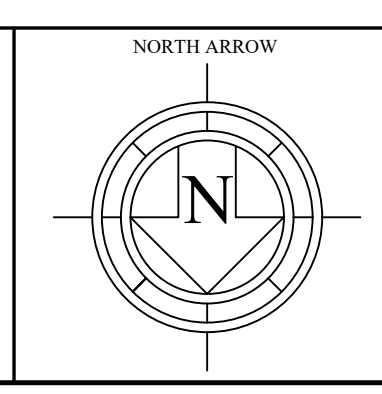
DRAWING  
**NORTH DEMOLITION  
ELEVATION**



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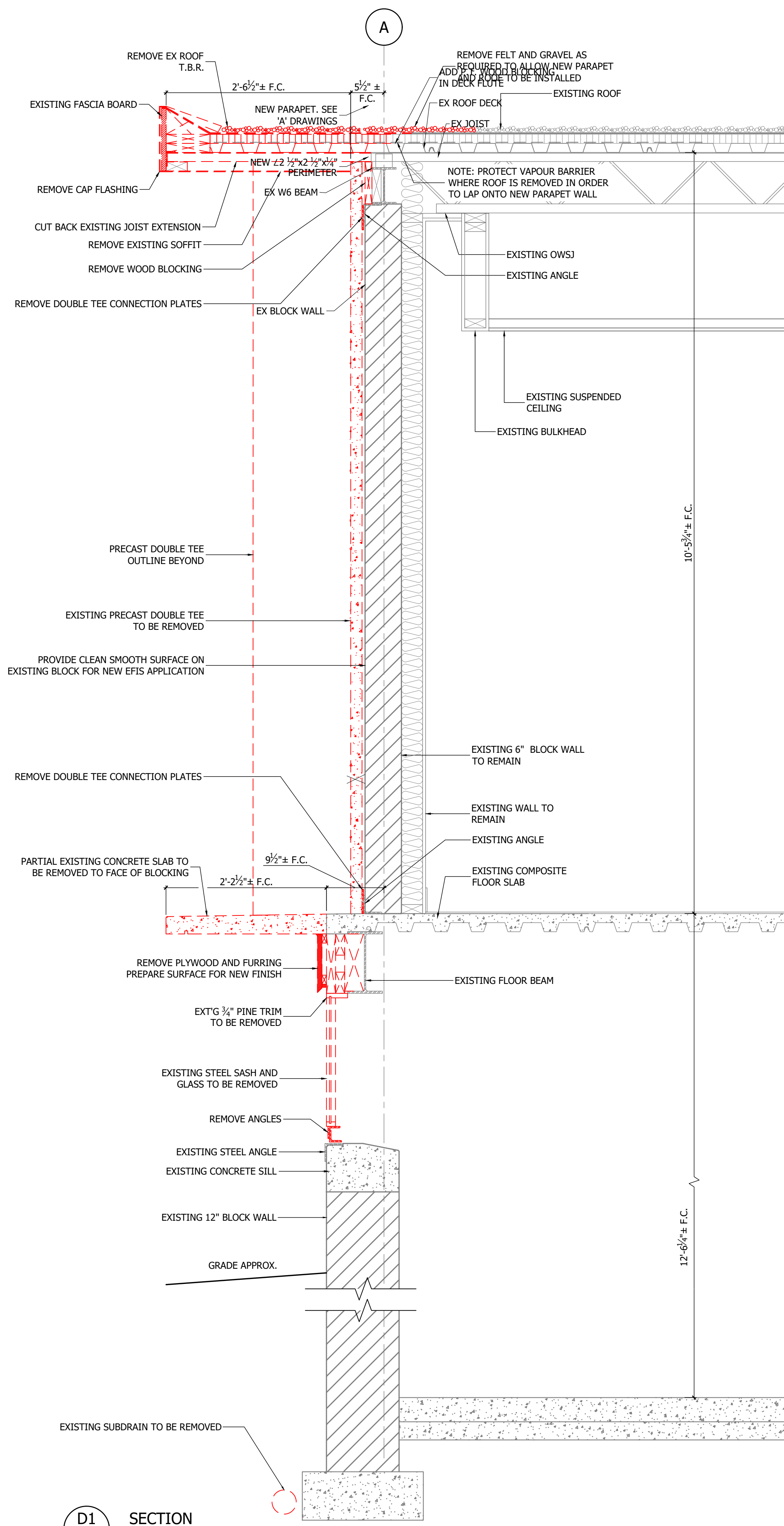
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DATE 2024-07-24  
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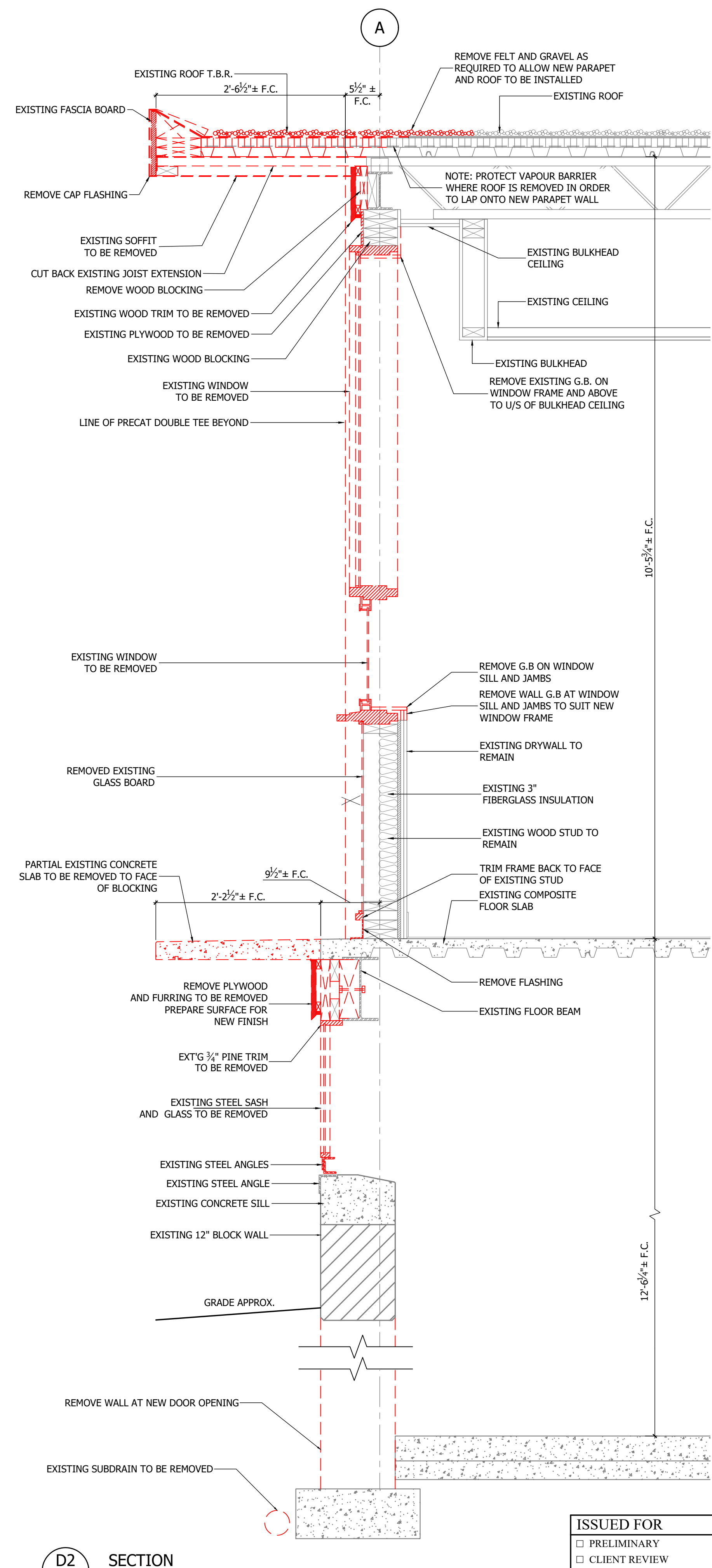


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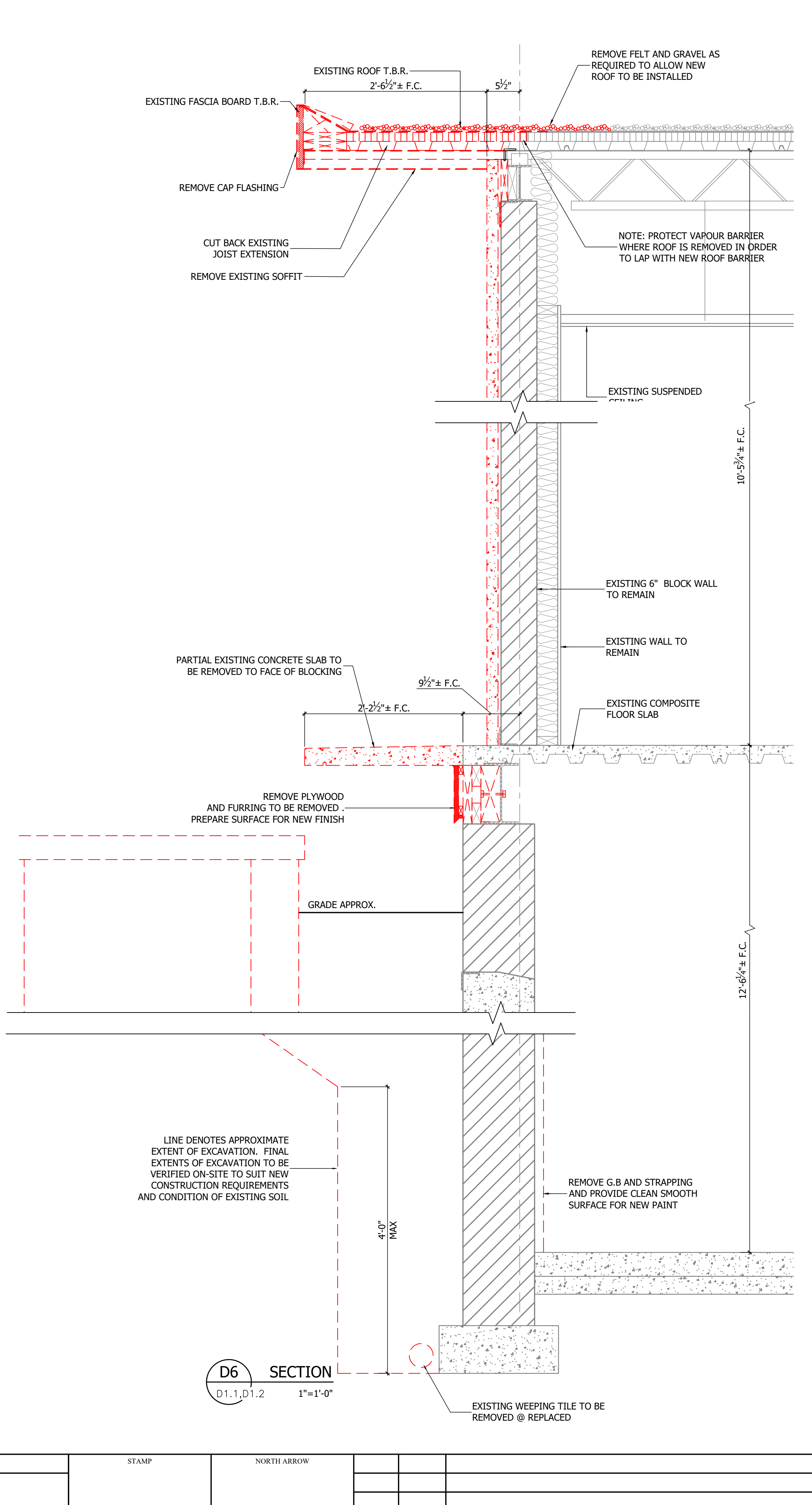
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DATE 2022-07-12	SCALE AS NOTED	FILE NAME 21367MAIN16	<b>D2.1</b>



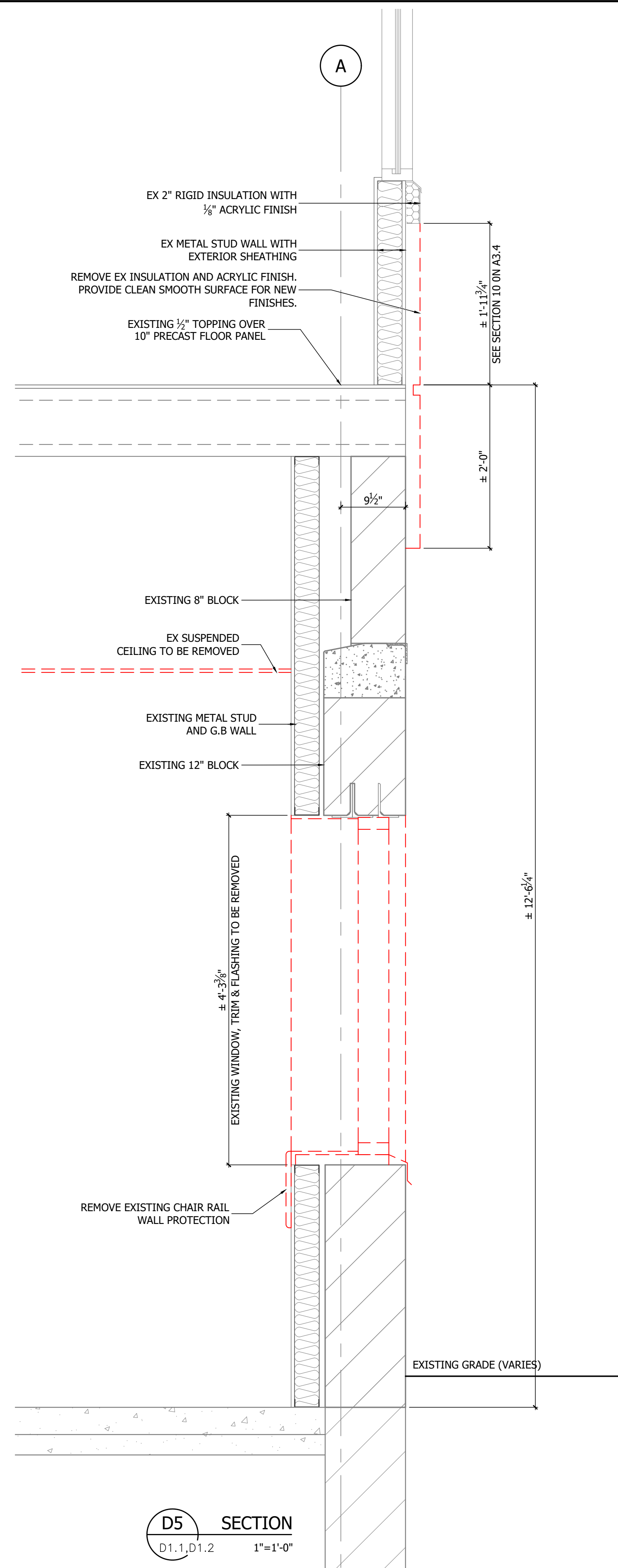
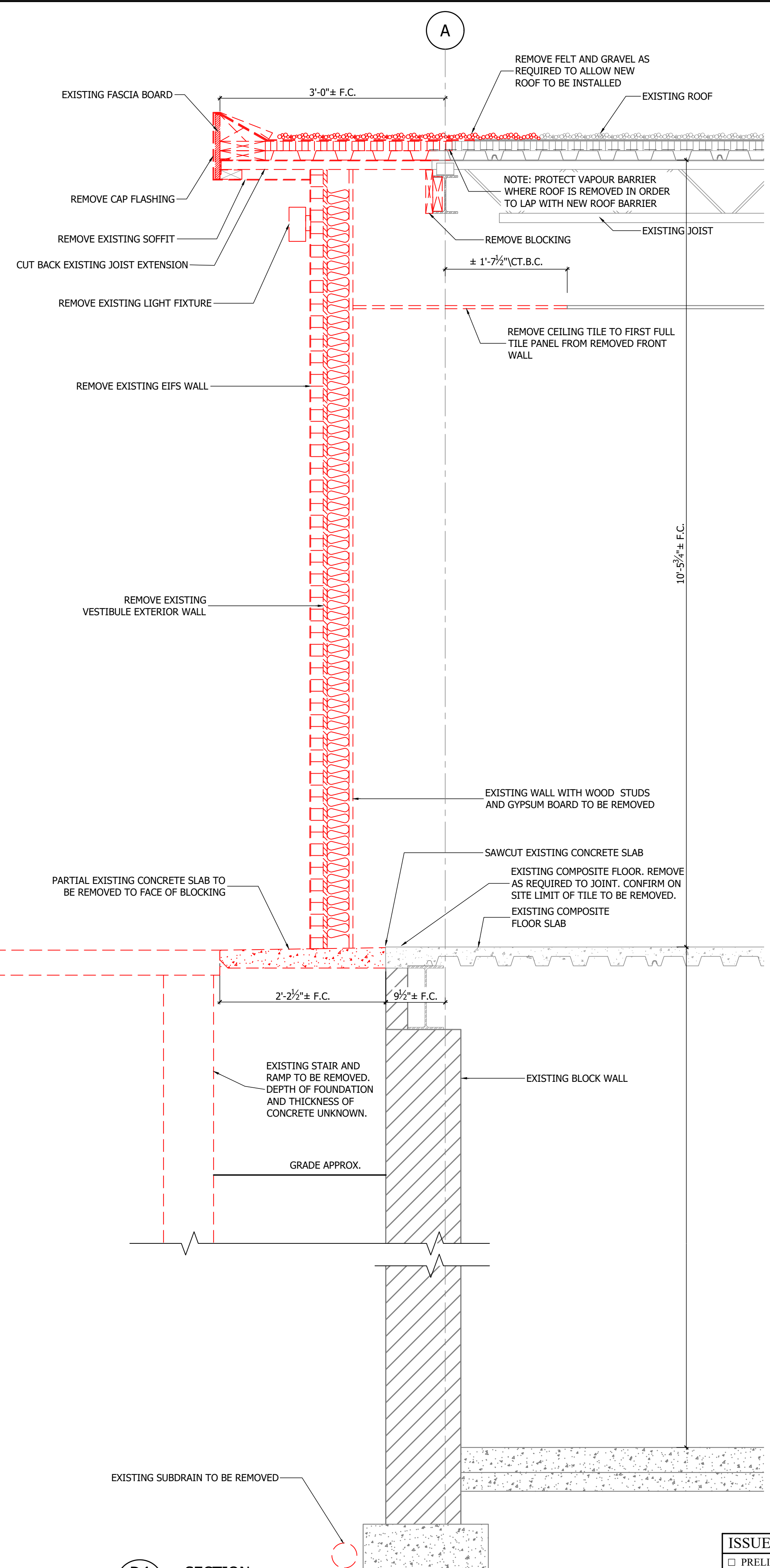
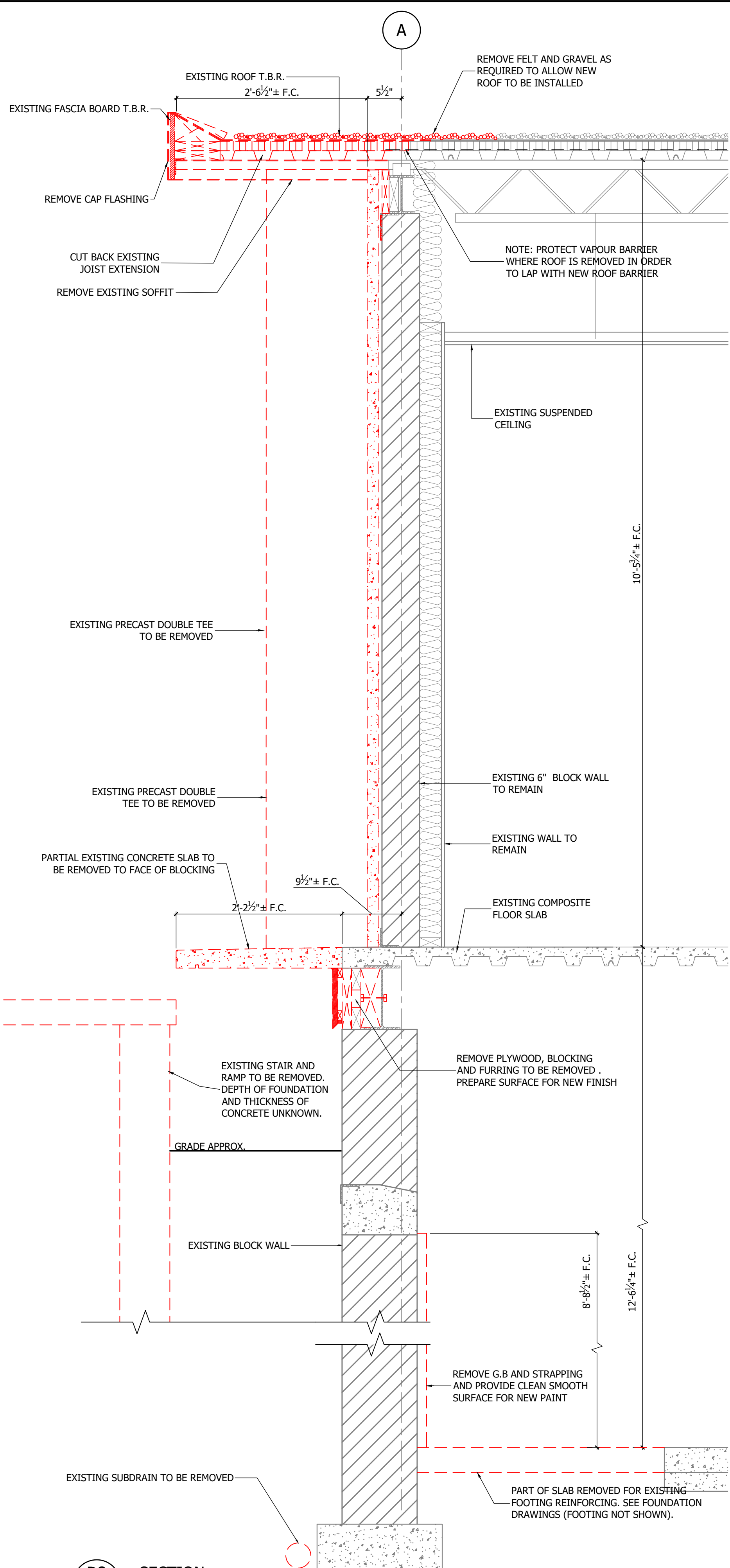
**D1 SECTION**  
D1.1, D1.2 1"=1'-0"



**D2 SECTION**  
D1.1, D1.2 1"=1'-0"




**D6 SECTION**  
D1.1, D1.2 1"=1'-0"



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DRAWING  
**DEMOLITION SECTIONS**

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STAMP

NORTH ARROW

REV. BY DESCRIPTION DATE

AA JH 21367

2022-07-12 AS NOTED 21367MAIN16

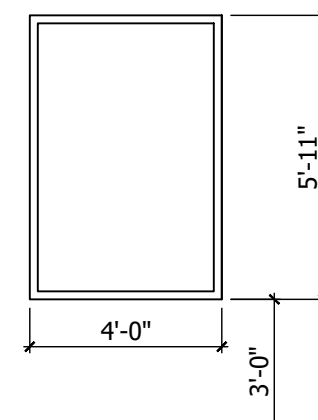
SHEET SIZE 24x36

DRAWING **D3.2**

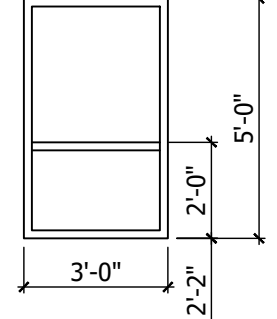


**WINDOW SCHEDULE**

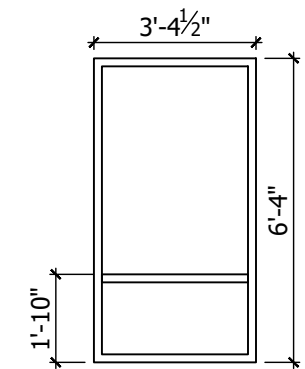
EFFECTIVE 'U' = 0.34 SHGC=0.4 U=BTU/(H<sup>2</sup>F)  
 - DIMENSION SHOWN ARE FOR ROUGH OPENING SIZE  
 - ALL DIMENSIONS ARE TO BE SITE VERIFY BEFORE TO FABRICATION  
 - ALL EXTERIOR WINDOWS TO BE THERMAL UNITS WITH LOW E, ARGON FILLED, ALUMINUM FRAME KAWNEER 451T OR APPROVED EQUAL.  
 WINDOW TRIM COLOR, TO BE CLEAR ANODIZED, FIXED TEMPERED GLASS, DOUBLE GLAZED/ EXT GLAZING TO BE TINTED WITH TRULITE COLOR GREY SIMILAR TO EXISTING PREVIOUS 2019 ADDITION.  
 - ALL INTERIOR WINDOW PARTITIONS TO BE ALUMINUM FRAME, CLEAR ANODIZED, FIXED TEMPERED GLASS, U.N.O  
 - ALL EXTERIOR WINDOWS TO BE TINTED/ COLOR TO BE SELECTED BY OWNER. PROVIDE SAMPLE OPTIONS TO BE DISCUSSED AND SELECTED BY OWNER.  
 - NEW WINDOWS ARE TO MATCH EXISTING BUILDING WINDOW APPEARANCE INCLUDING TRIM SIZES.  
 - PROVIDE WINDOW SHOP DRAWINGS FOR REVIEW AND APPROVAL



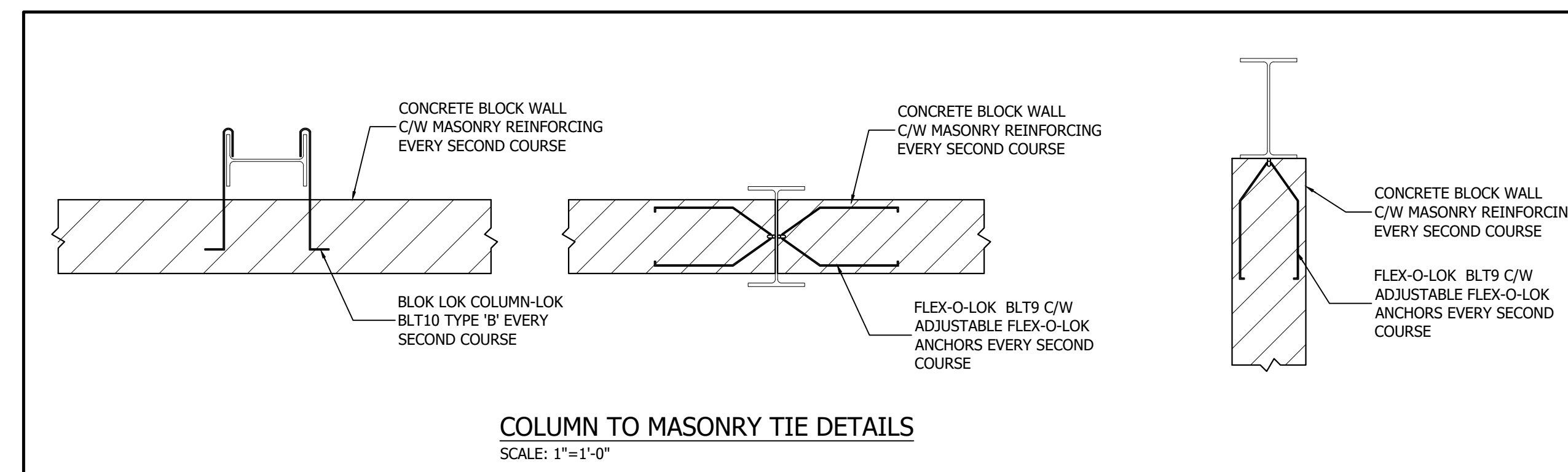
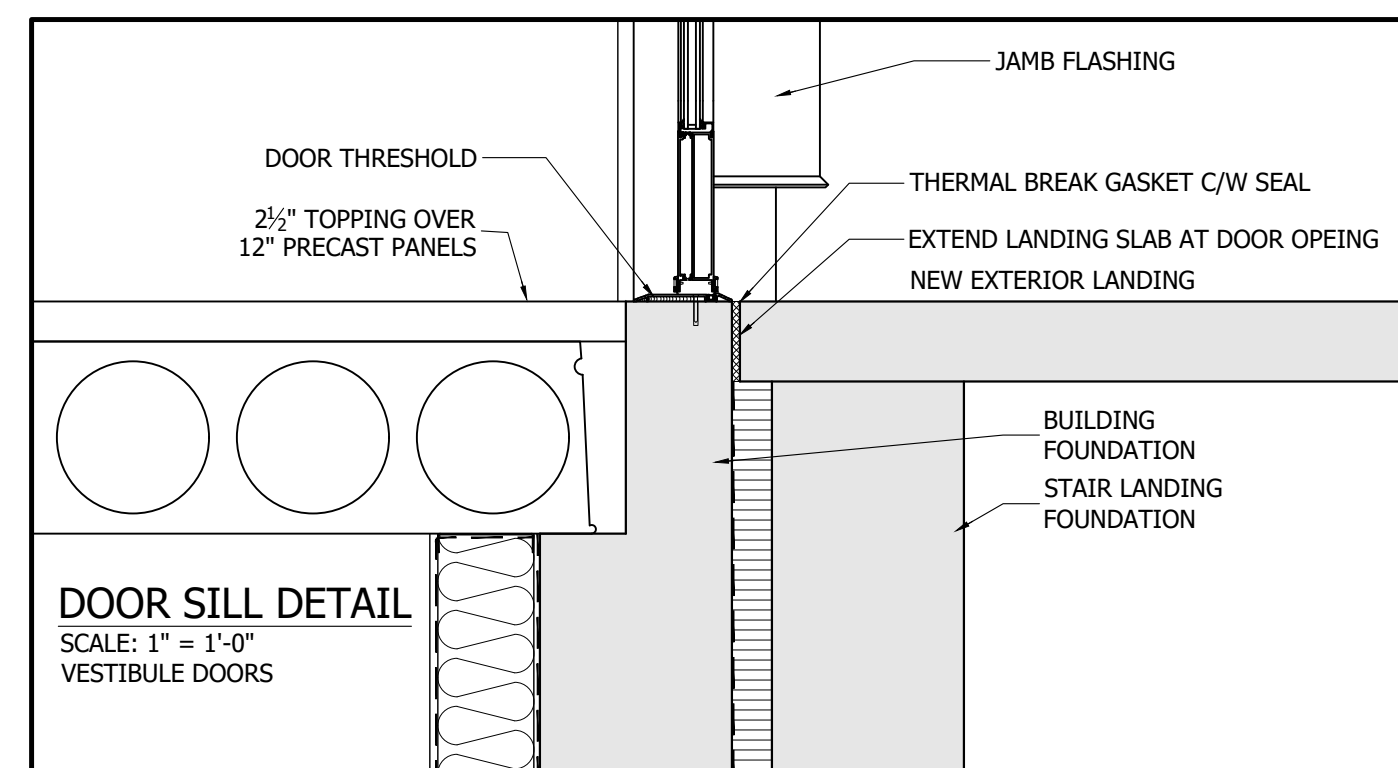
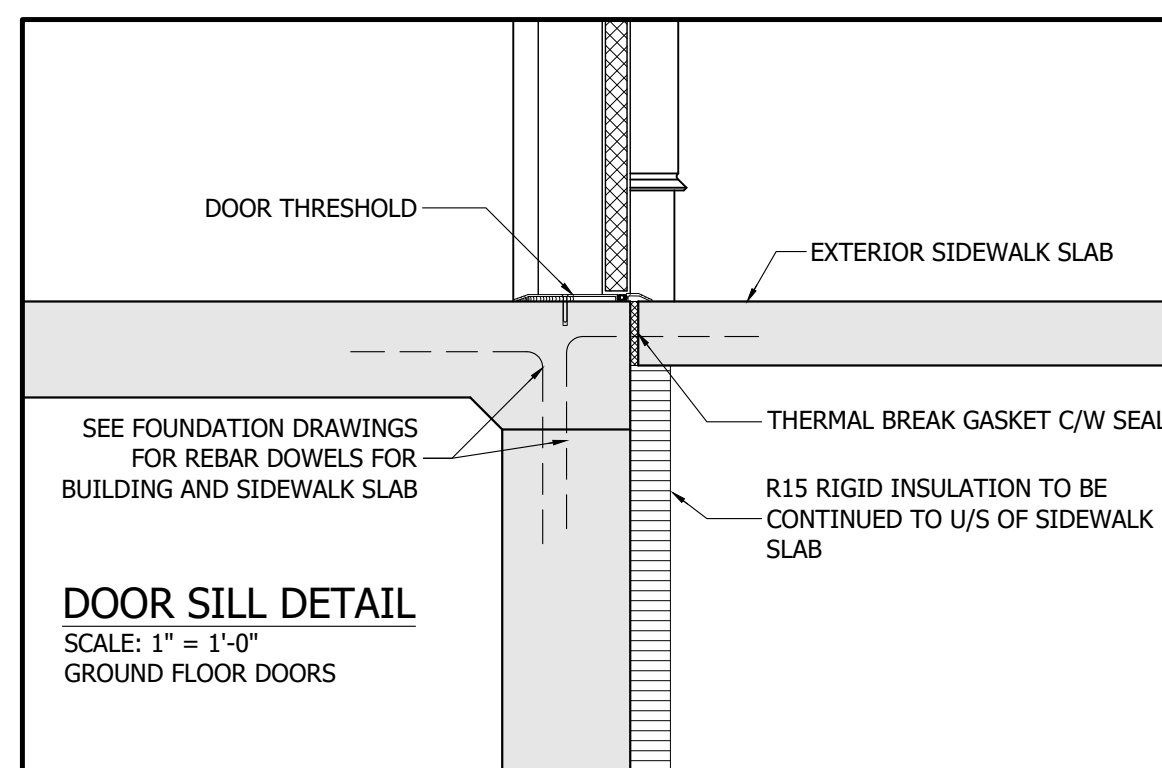
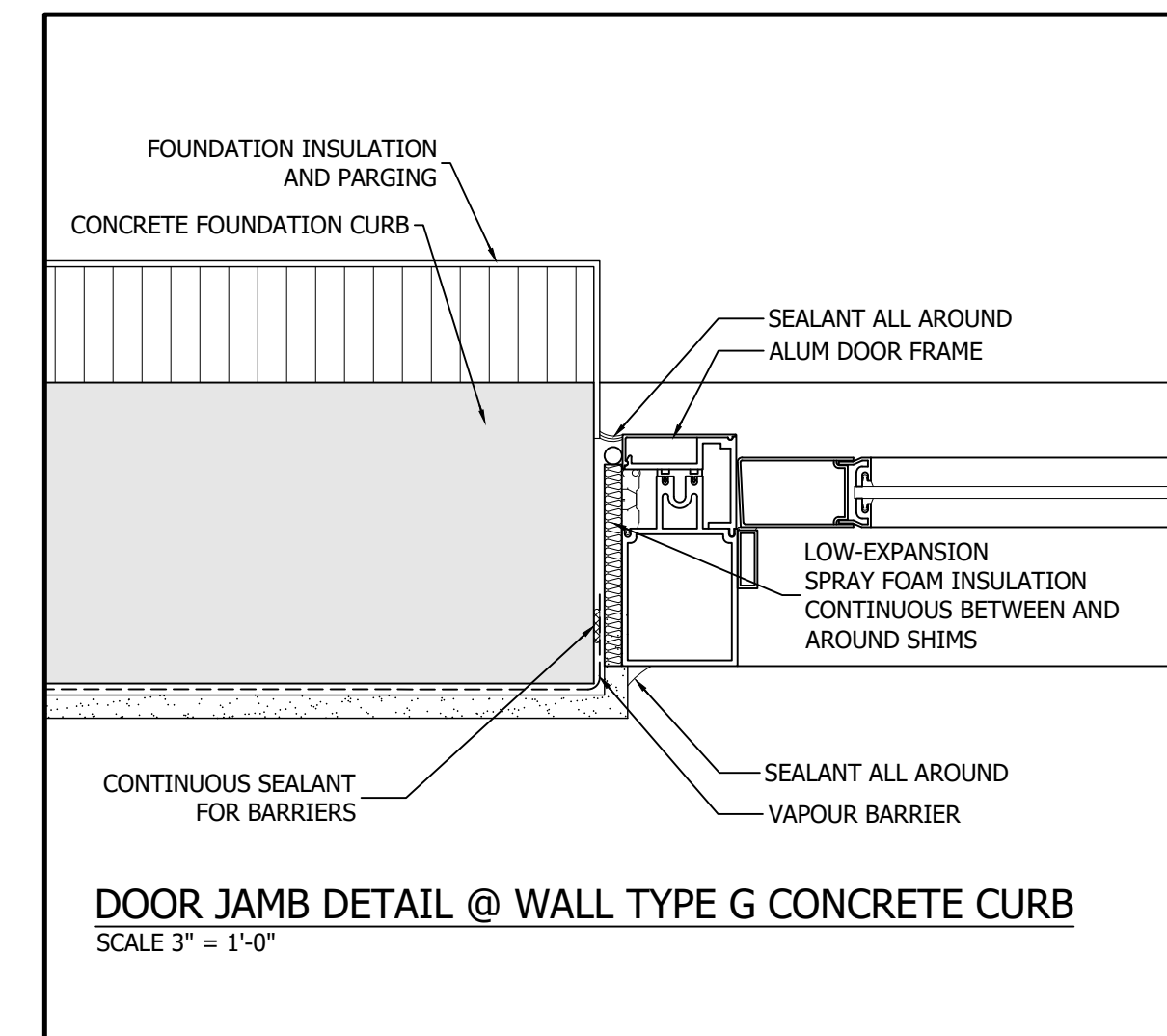
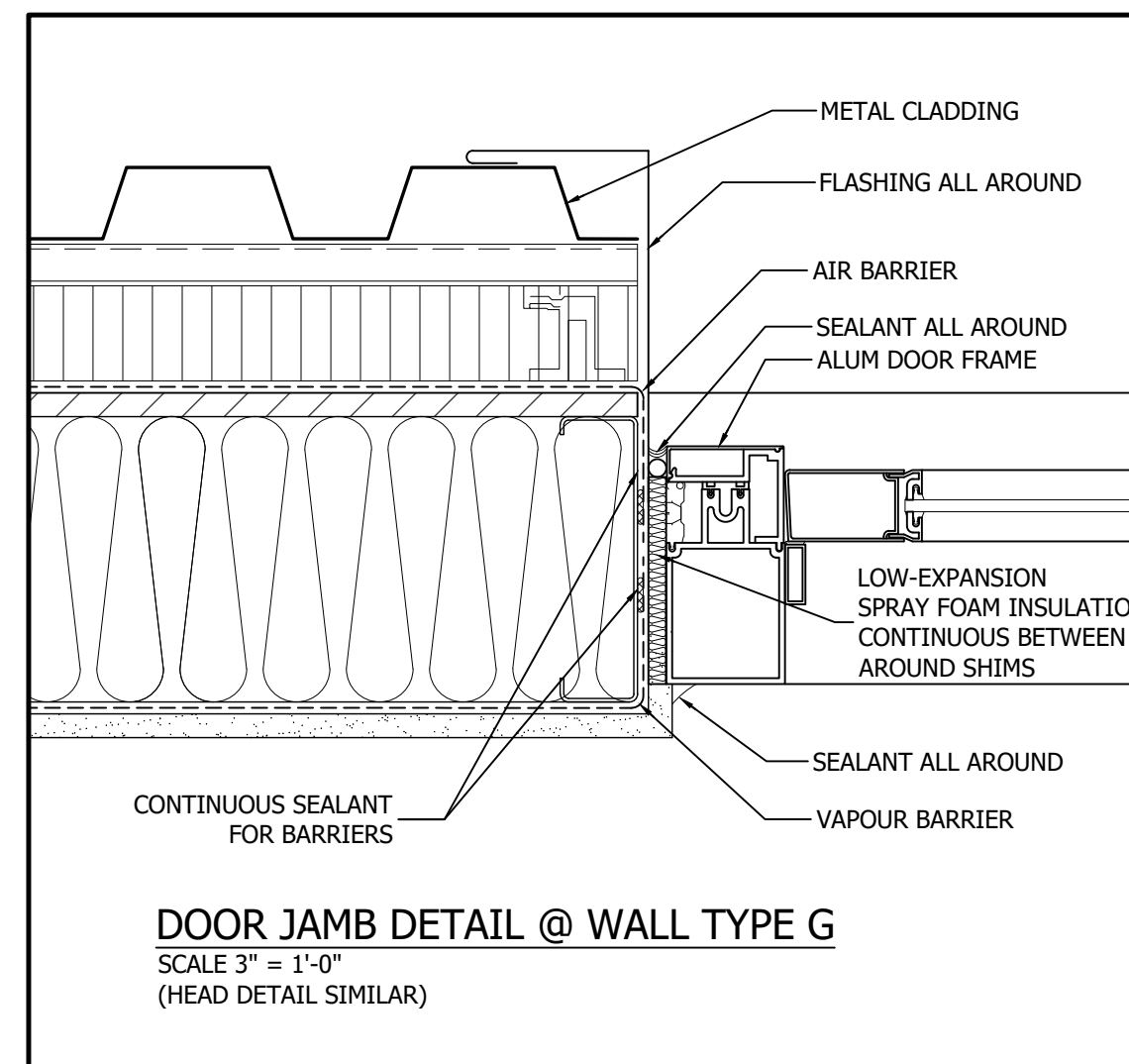
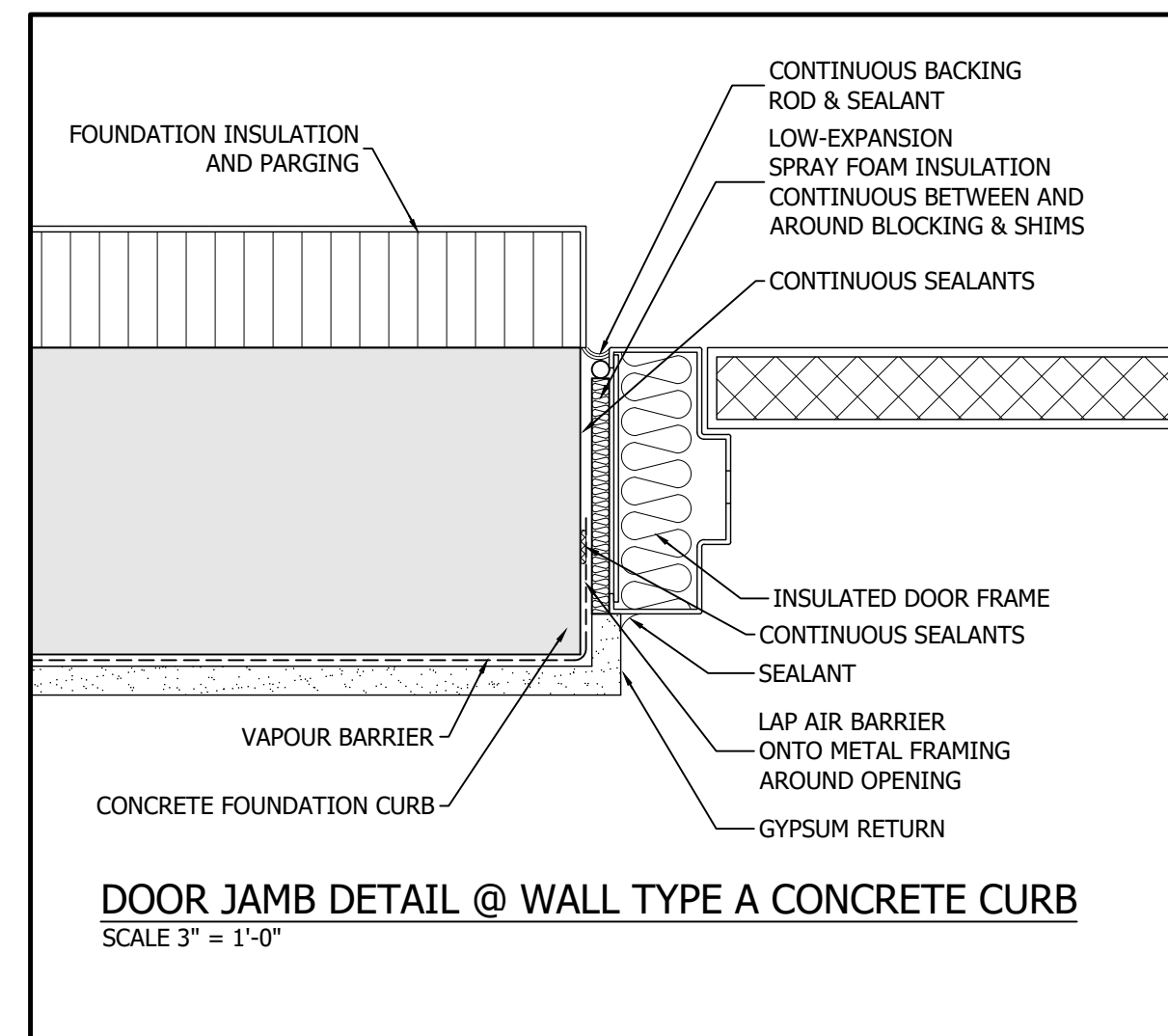
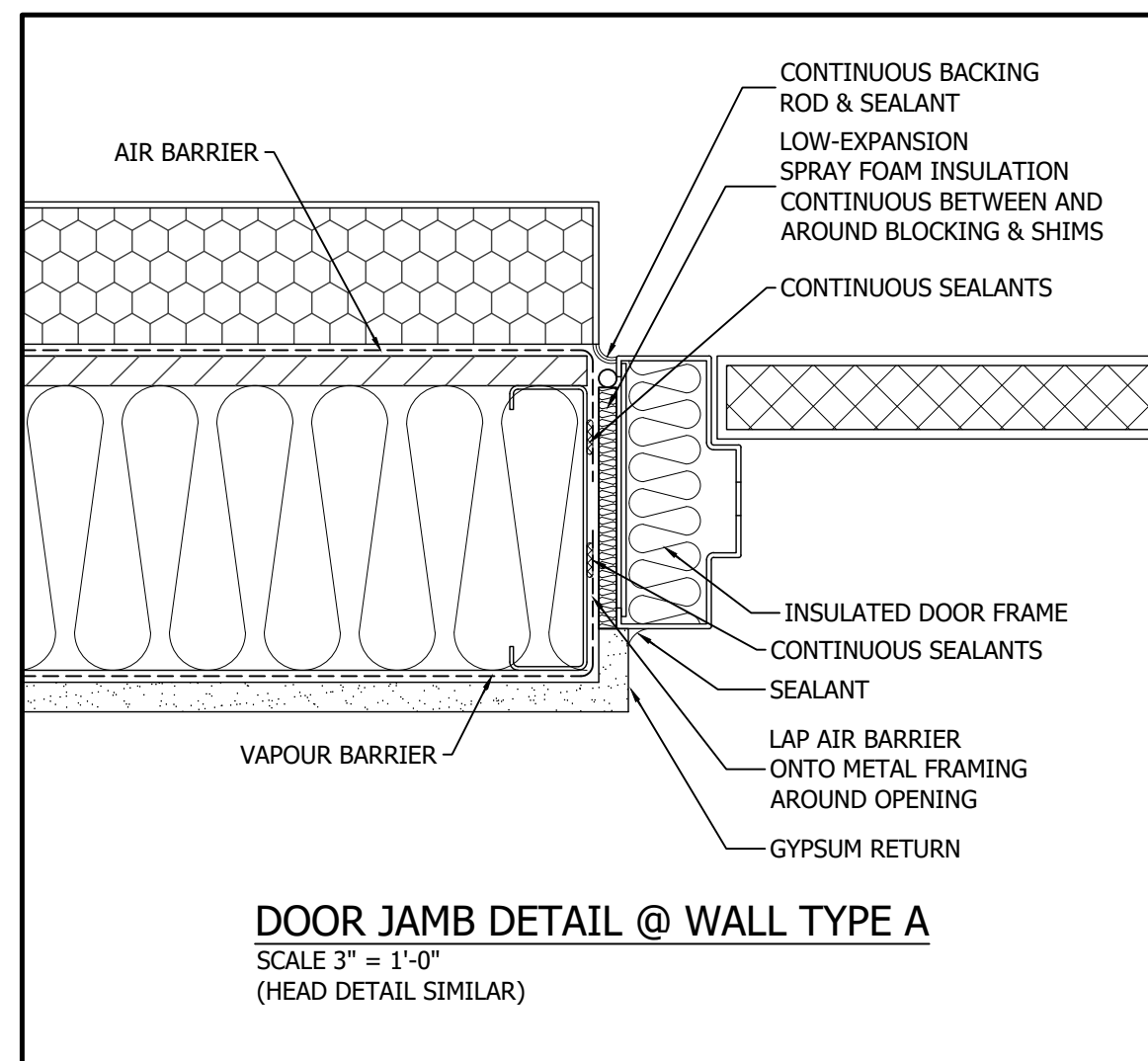
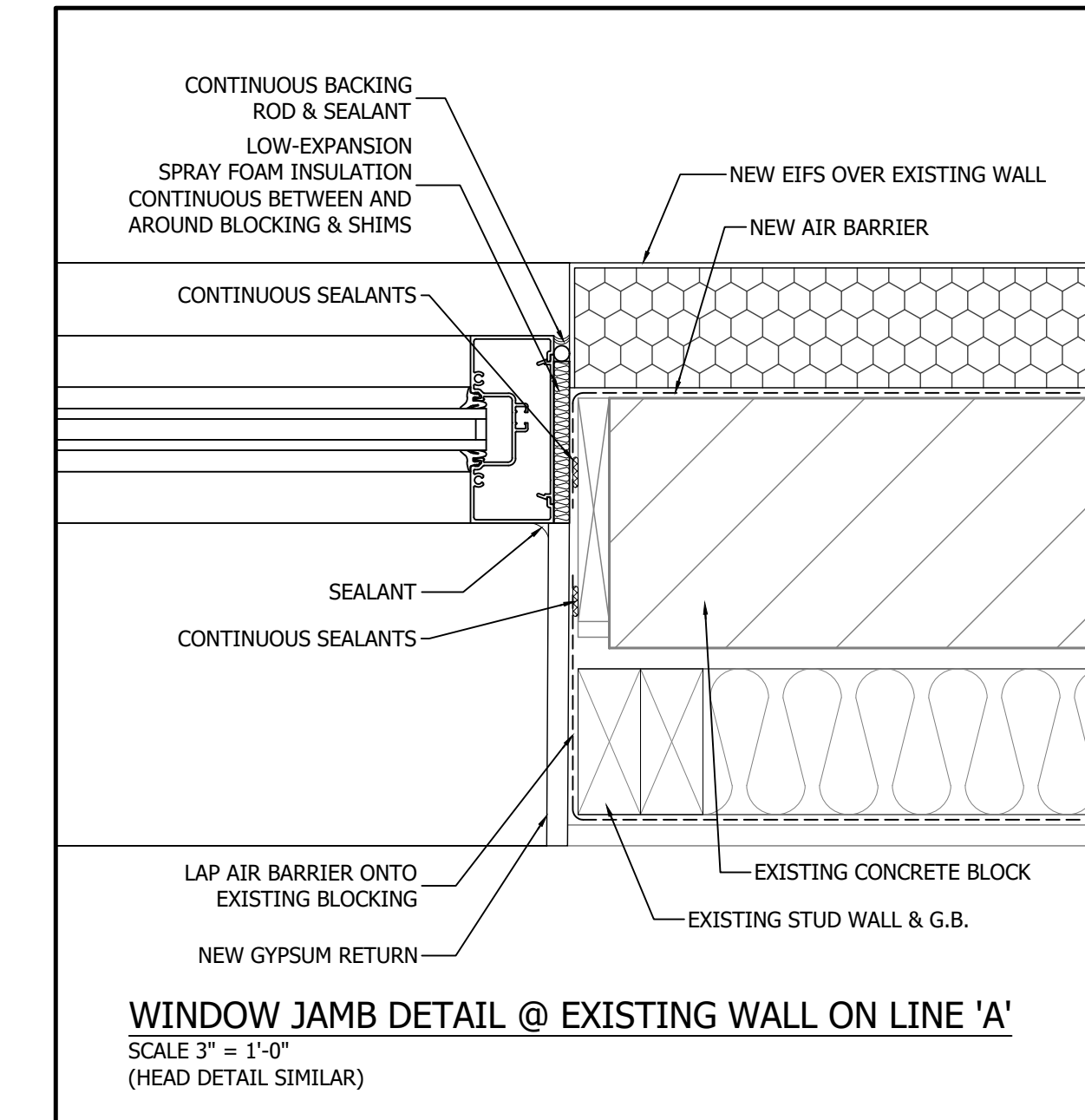
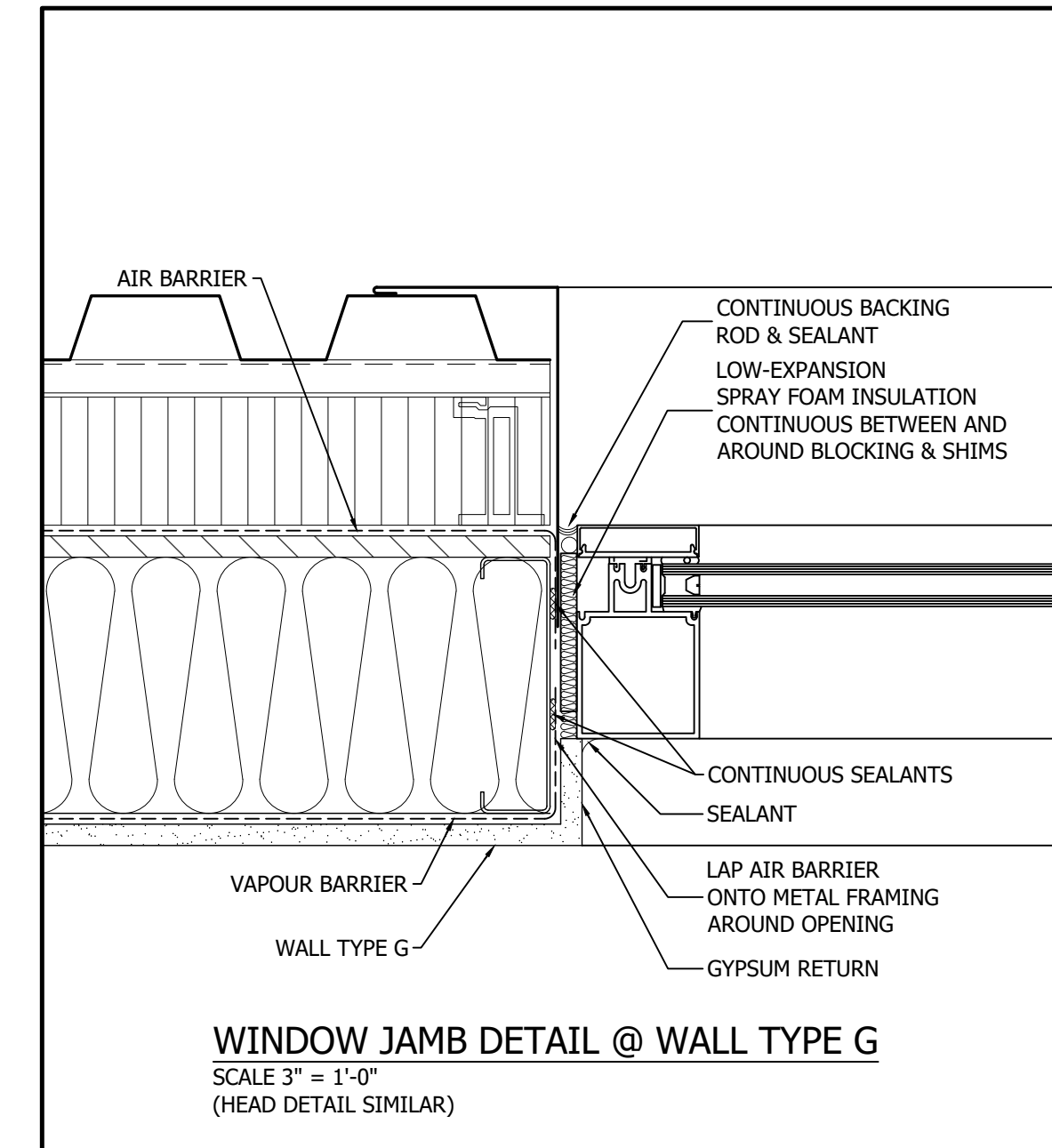
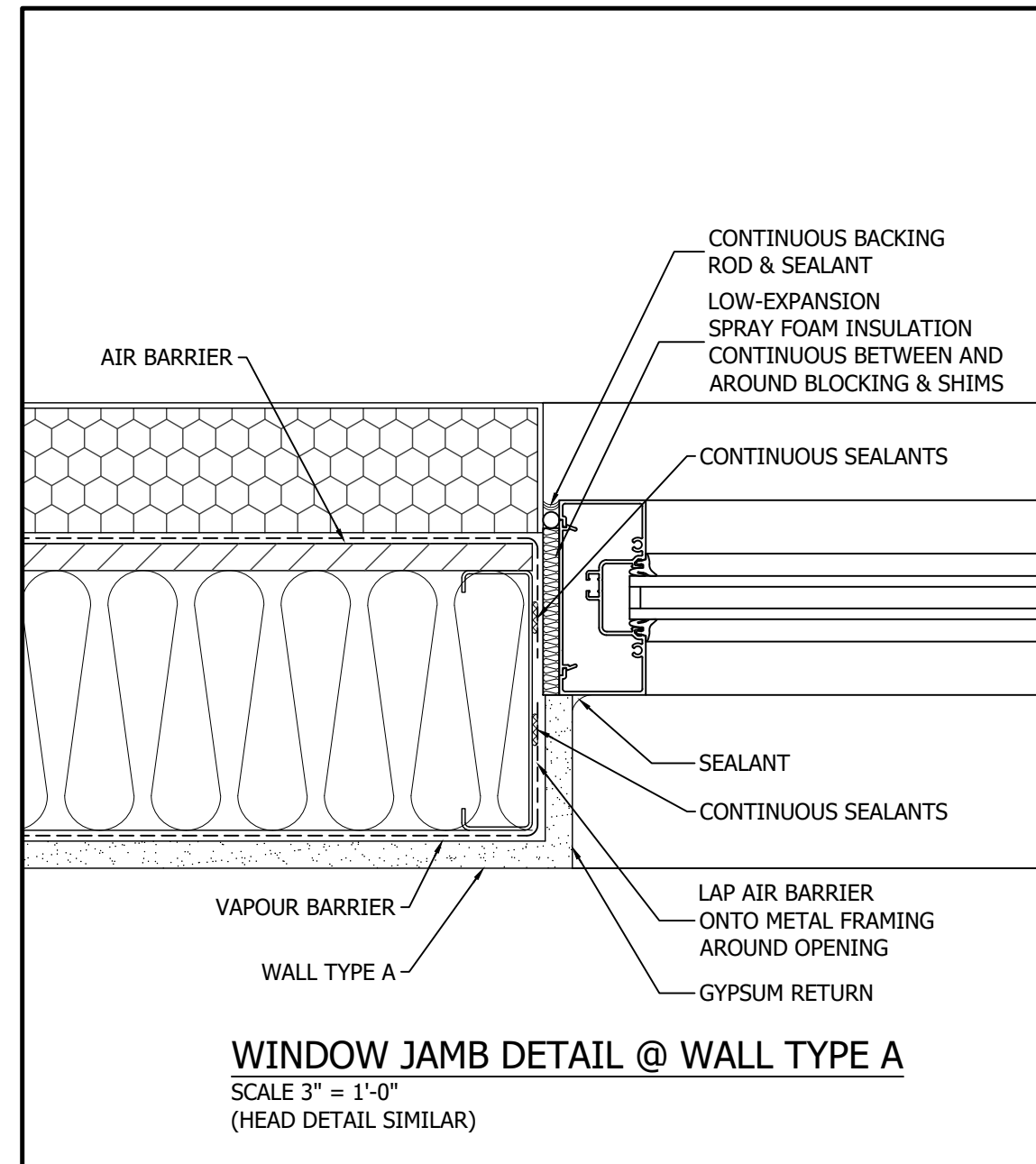
**W1**  
ALUMINUM FRAME.  
CLEAR ANODIZED  
FIXED TEMPERED GLASS.  
DOUBLE GLAZED  
TINTED REFLECTIVE.



**W2**  
ALUMINUM FRAME.  
CLEAR ANODIZED  
FIXED TEMPERED GLASS.  
DOUBLE GLAZED  
TINTED REFLECTIVE.

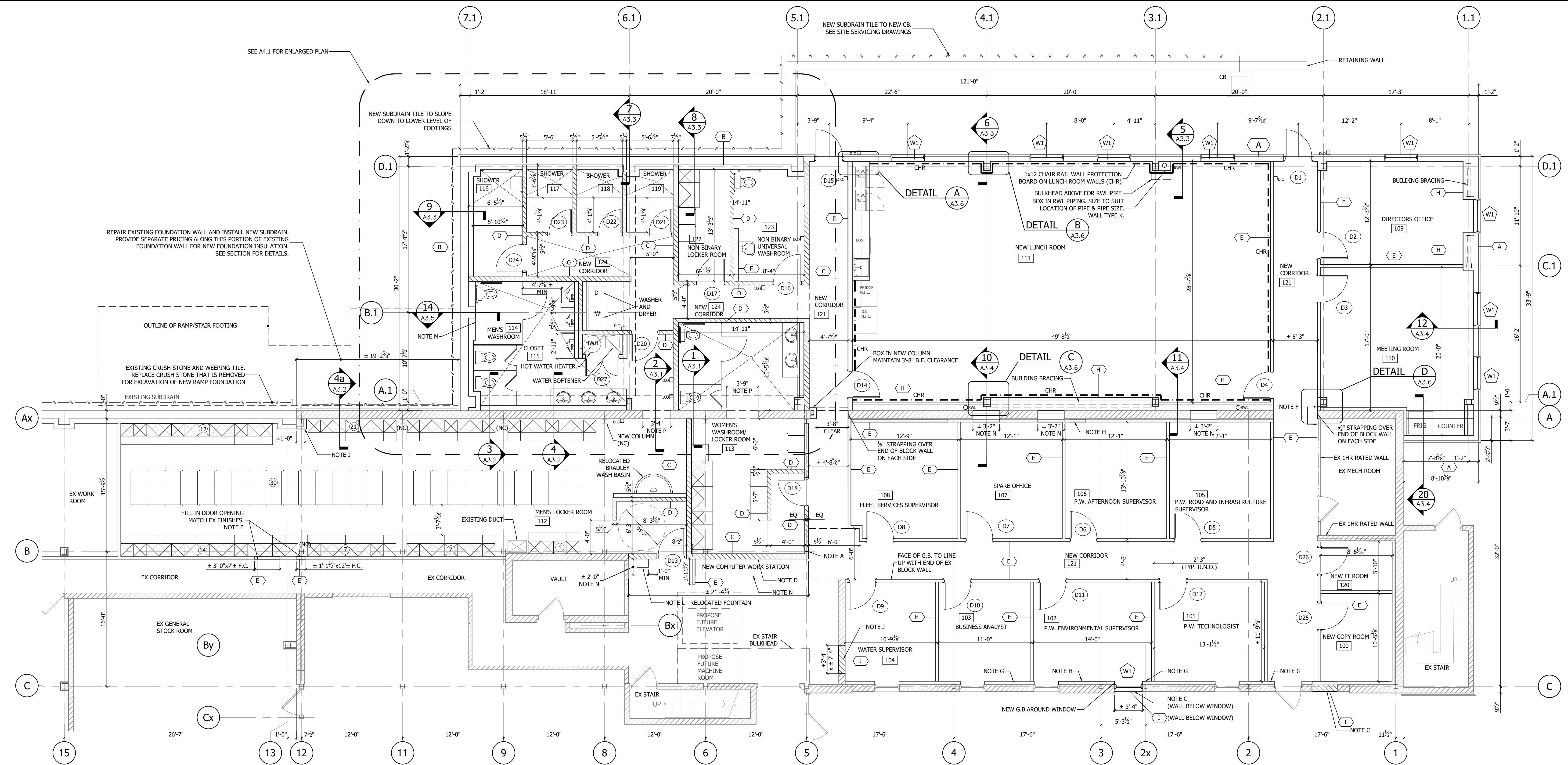


**W3**  
ALUMINUM FRAME.  
CLEAR ANODIZED  
FIXED TEMPERED GLASS.  
DOUBLE GLAZED  
TINTED REFLECTIVE.



STAMP	NORTH ARROW				
REV.	BY	DESCRIPTION			DATE
AA	JH	21367			24x36
DATE	SCALE	FILE NAME	DRAWING		
2022-07-12	AS NOTED	21367MAIN16	<b>A1.1a</b>		





**PROPOSED PARTIAL GROUND FLOOR PLAN**  
 SCALE: 3/16" = 1'-0"

- ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY  
 - PATCH FLOOR SLAB TO MATCH EXISTING AS REQUIRED AT SANITARY CONNECTION  
 MAKE GOOD ALL FINISHES.

NOTE: DIMENSIONS TAKEN TO STUD WALLS

**CONSTRUCTION NOTES:**

- A. ADD NEW MASONRY TIES TO EXISTING COLUMNS. SEE SHEET A1.1a.
- B. NEW OPENING IN WALL. MAKE GOOD JAMBS.
- C. FIELD CONFIRM EXISTING WALL CONSTRUCTION MATCH EXISTING. ALL DIMENSIONS TO BE FIELD CONFIRMED.
- D. SOUTH SIDE OF NEW CONCRETE BLOCK WALL TO BE PAINTED. CONTRACTOR TO CONFIRM COLOR WITH OWNER 4" VCB BASE ON CORRIDOR SIDE OF WALL MATCH EXISTING. TOUCH UP PAINT AT EXPOSED CEILING.
- E. NEW GYPSUM BOARD WALL TO BE PAINTED AND NEW 4" VCB (NOTCH EXISTING). TYPICAL FILL IN WALL BELOW WINDOW.
- F. NEW WALL TO LINE UP WITH EXISTING WALL.
- G. FILL IN WITH NEW DRYWALL WHERE EXISTING WALL HAS BEEN REMOVED.
- H. NEW WALL TYPE H WHERE WALL AND SLAB WAS REMOVED FOR NEW SANITARY PIPE EXCAVATION. WIDTH OF WALL TO BE DETERMINE ON SITE (TO SUIT WIDTH OF EXCAVATION).
- I. ADD NEW WALL TYPE H AT END OF EXISTING STUD/G.B WALL TO COVER BLOCK WALL.

**CONSTRUCTION NOTES CONTINUED**

- J. FILL IN EX 10" BLOCK WALL (ASSUMED F.C.) WITH NEW WALL TYPE J MAKE INSIDE OFFICE WALLS FLUSH. ALIGN NEW BLOCK JOINTS WITH EXISTING BY INCREASE MORTAR JOINT THICKNESS.
- K. FILL IN EXISTING WINDOW OPENING. SEE SECTION 10 ON A3.4 FOR DETAILS.
- L. EX. WATER FOUNTAIN TO BE RELOCATED BACK TO NEW WALL. REFER TO MECHANICAL DRAWINGS.
- M. INSIDE FACE OF STUD WALL TO BE IN LINE WITH CONCRETE PIER.
- N. EXISTING COUNTER AND SHELF TO BE RELOCATED TO THIS LOCATION AND MOUNTED TO NEW BLOCK WALL.
- P. HEIGHT OF OPENING TO BE 7'-4" MIN OR TO NEAREST BLOCK COURSING.

LEGEND	
	DOOR TYPE IDENTIFIER - SEE SCHEDULE ON SHEET A1.1
	ROOM NUMBER IDENTIFIER - SEE SCHEDULE ON SHEET A1.1
	WALL TYPE IDENTIFIER - SEE SCHEDULE ON SHEET A1.1
	WINDOW TYPE IDENTIFIER - SEE SCHEDULE ON SHEET A1.1a
	WASHROOM ACCESSORIES - SEE SCHEDULE ON SHEET 4.1

CLIENT  
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 ENGINEERING BLDG  
 944 JAMES ST

PROJECT  
**ADDITION  
 AND  
 RENOVATION**

DRAWING  
**GROUND FLOOR  
 PROPOSED PLAN**



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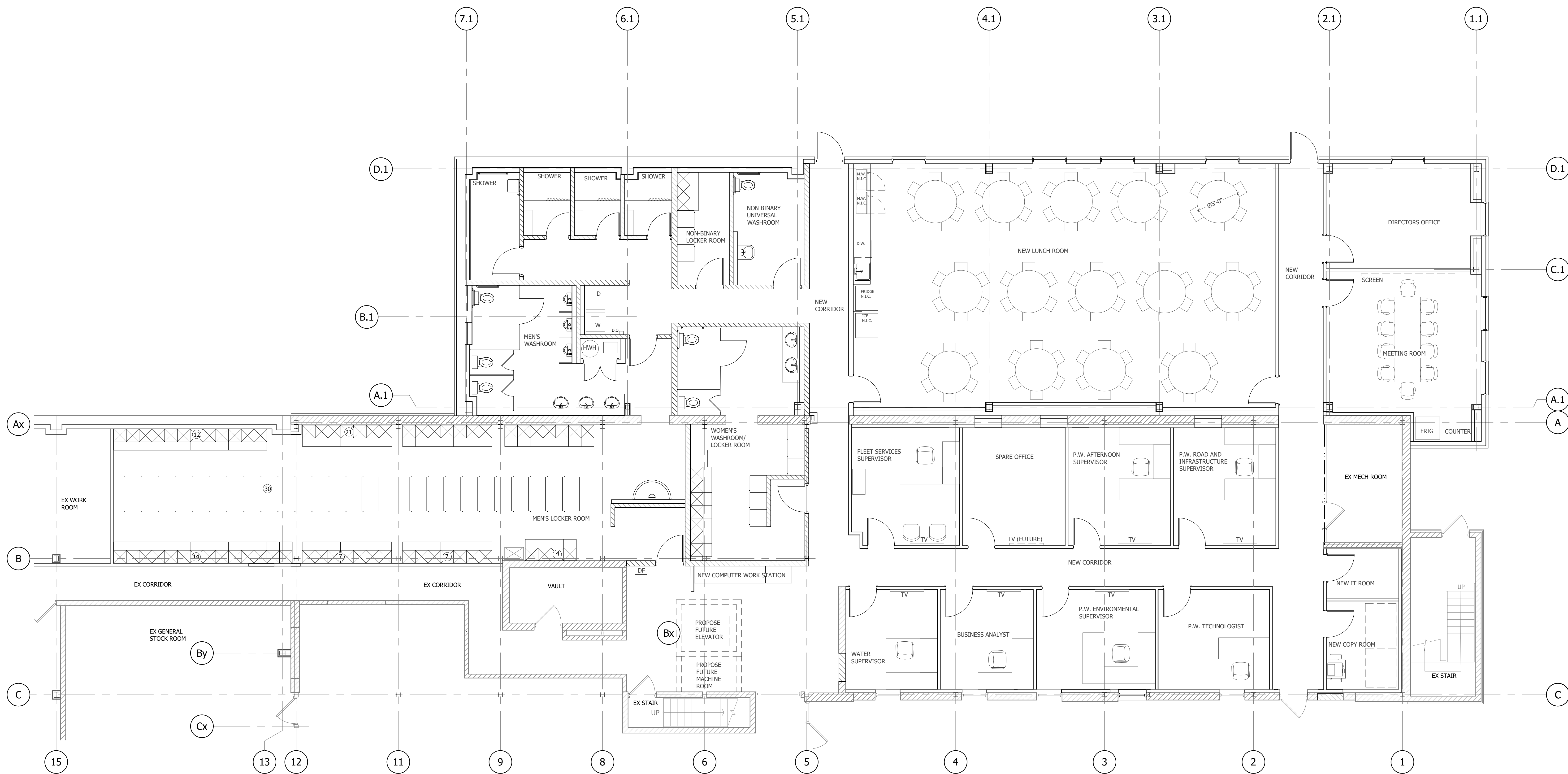
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 BUILDING PERMIT  
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DATE 2024-07-24

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DATE	SCALE	FILE NAME	DRAWING
2022-07-12	AS NOTED	21367MAIN16	<b>A1.2</b>



**GROUND FLOOR PROPOSED FURNITURE FLOOR PLAN**  
 SCALE: 3/16" = 1'-0"  
 FURNITURE N.I.C.

CLIENT  
**CITY OF WOODSTOCK**  
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**ADDITION  
 AND  
 RENOVATION**

DRAWING  
**GROUND FLOOR  
 PROPOSED  
 FURNITURE PLAN**

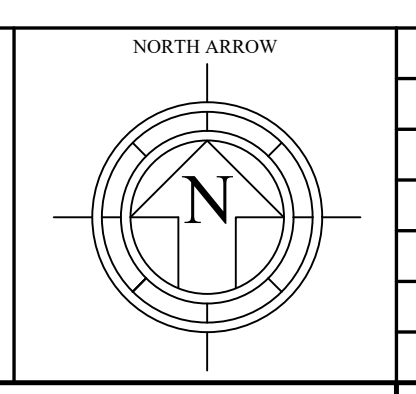


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- DATE 2024-07-24

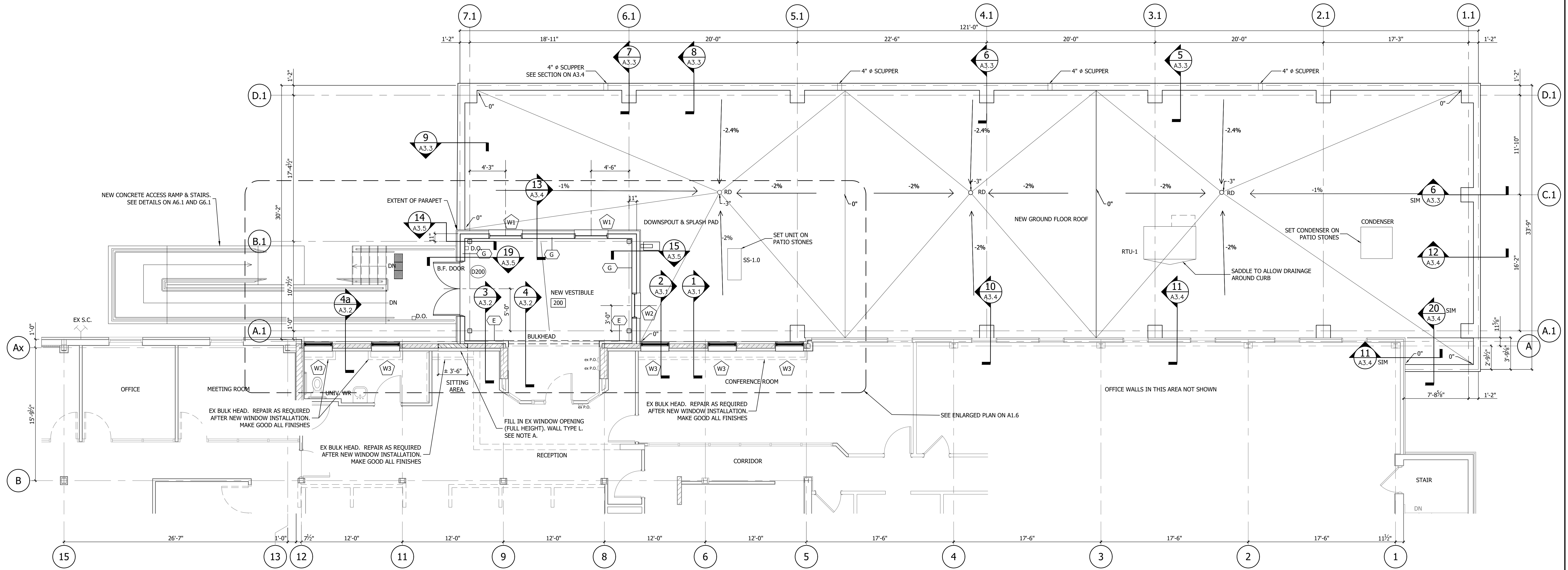
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REV.	BY	DESCRIPTION	DATE

DRAWN AA	CHECKED JH	PROJECT NUMBER 21367	SHEET SIZE 24x36
DATE 2022-07-12	SCALE AS NOTED	FILE NAME 21367MAIN16	<b>A1.3</b>

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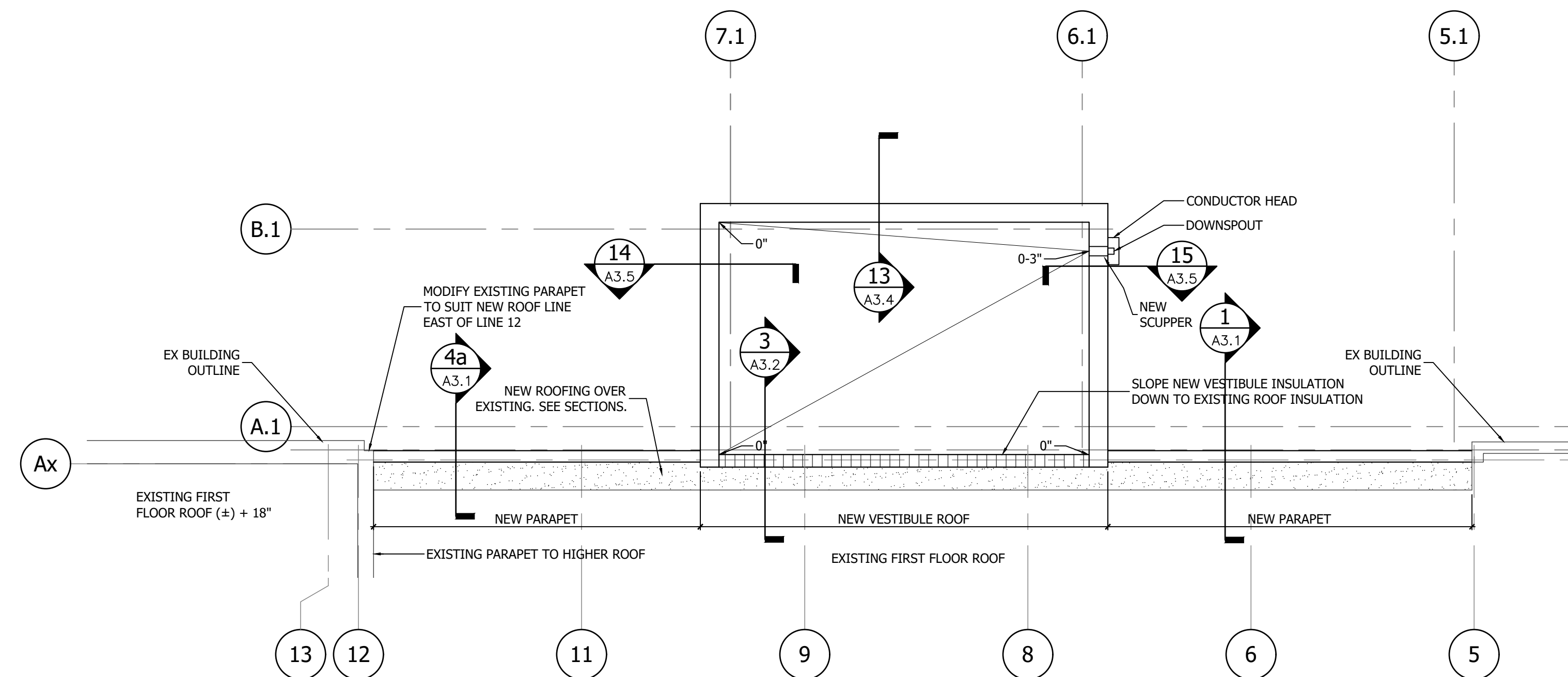


**FIRST FLOOR / GROUND FLOOR ROOF PLAN**

SCALE: 3/16" = 1'-0"

- ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY
- PATCH FLOOR SLAB TO MATCH EXISTING AS REQUIRED AT SANITARY CONNECTION MAKE GOOD ALL FINISHES.
- SEE ROOFING DETAILS ON SHEET A1.4a.

CONSTRUCTION NOTES:  
A. FIELD CONFIRM EXISTING WALL CONSTRUCTION MATCH EXISTING.  
ALL DIMENSIONS TO BE FIELD CONFIRMED.



**VESTIBULE / PARTIAL FIRST FLOOR ROOF PLAN**

- SCALE: 3/16" = 1'-0"
- ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY
- PATCH FLOOR SLAB TO MATCH EXISTING AS REQUIRED AT SANITARY CONNECTION MAKE GOOD ALL FINISHES.
- SEE ROOFING DETAILS ON SHEET A1.4a.

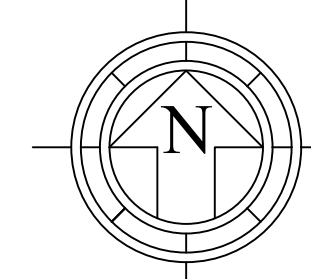
**ISSUED FOR**

- PRELIMINARY
- CLIENT REVIEW
- SITE PLAN APPROVAL
- BUILDING PERMIT
- TENDER
- CONSTRUCTION

DATE 2024-07-24

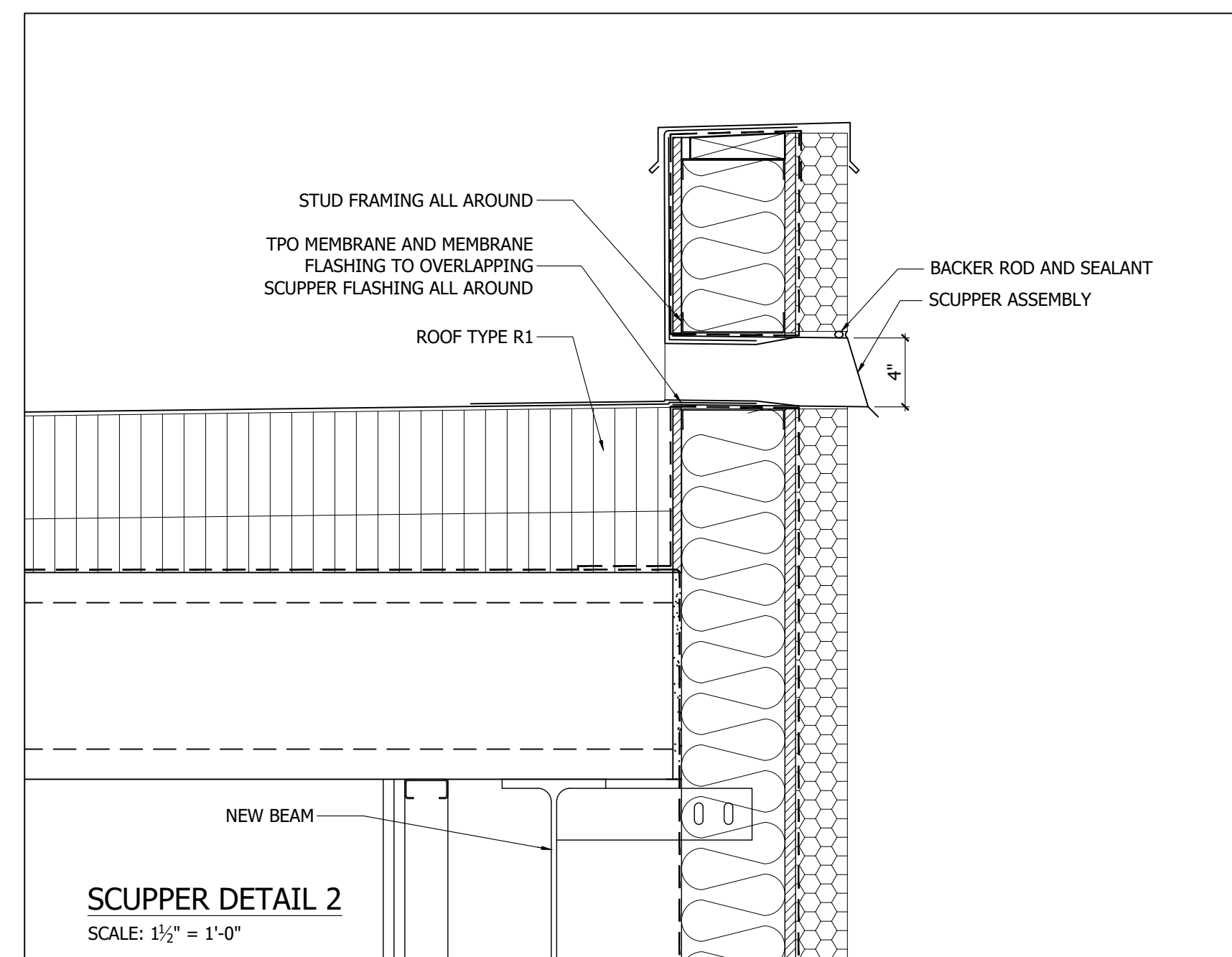
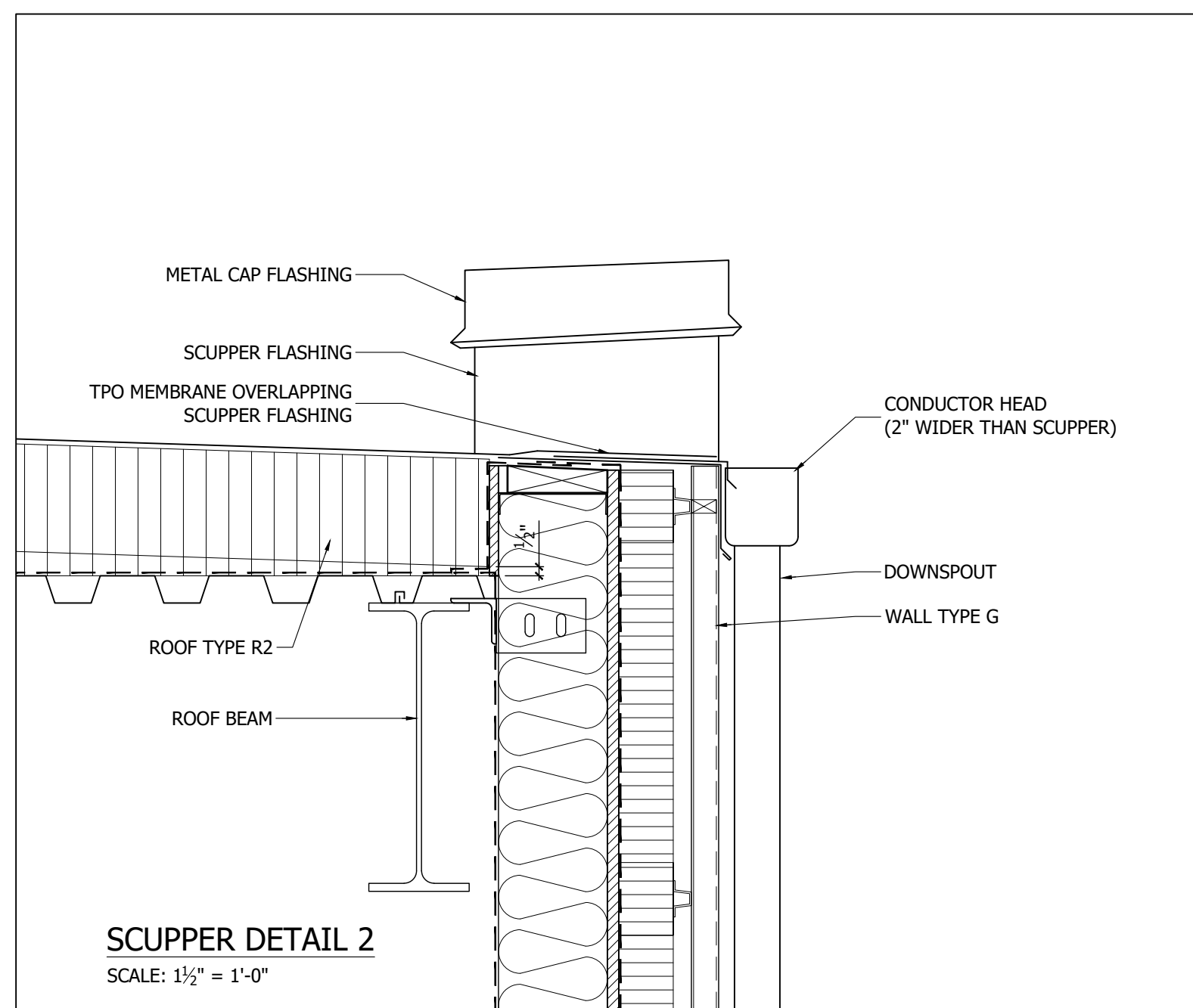
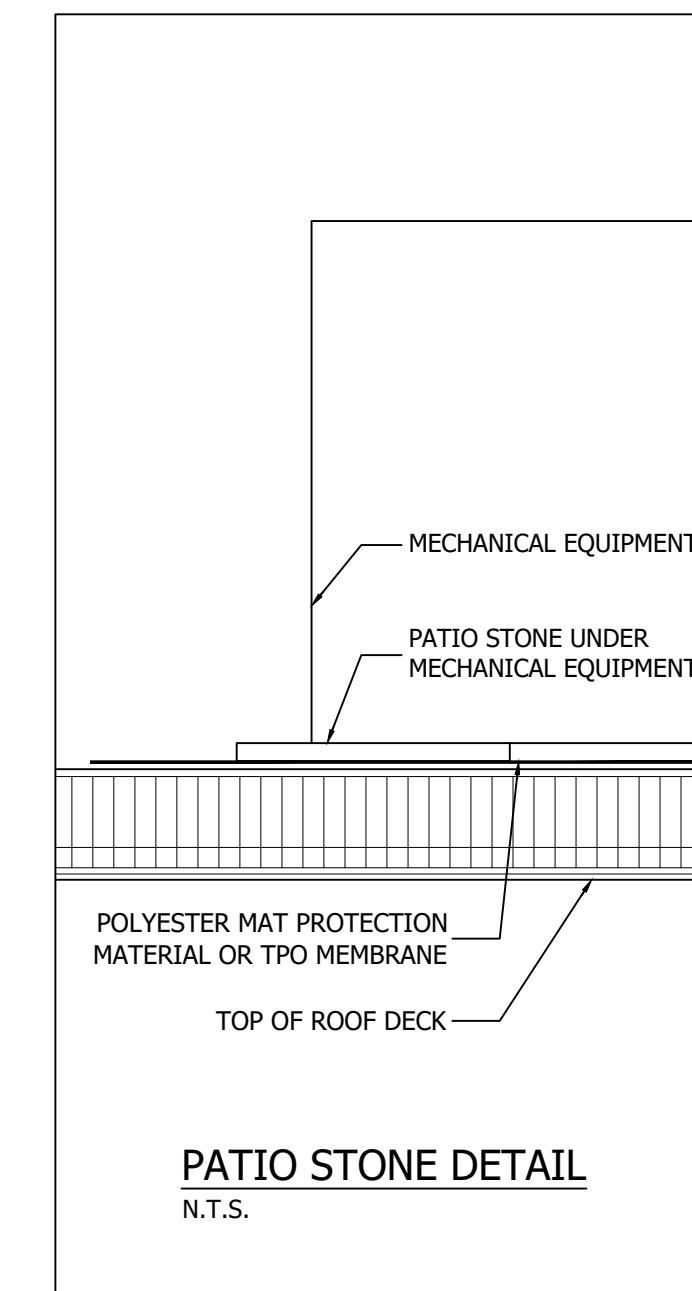
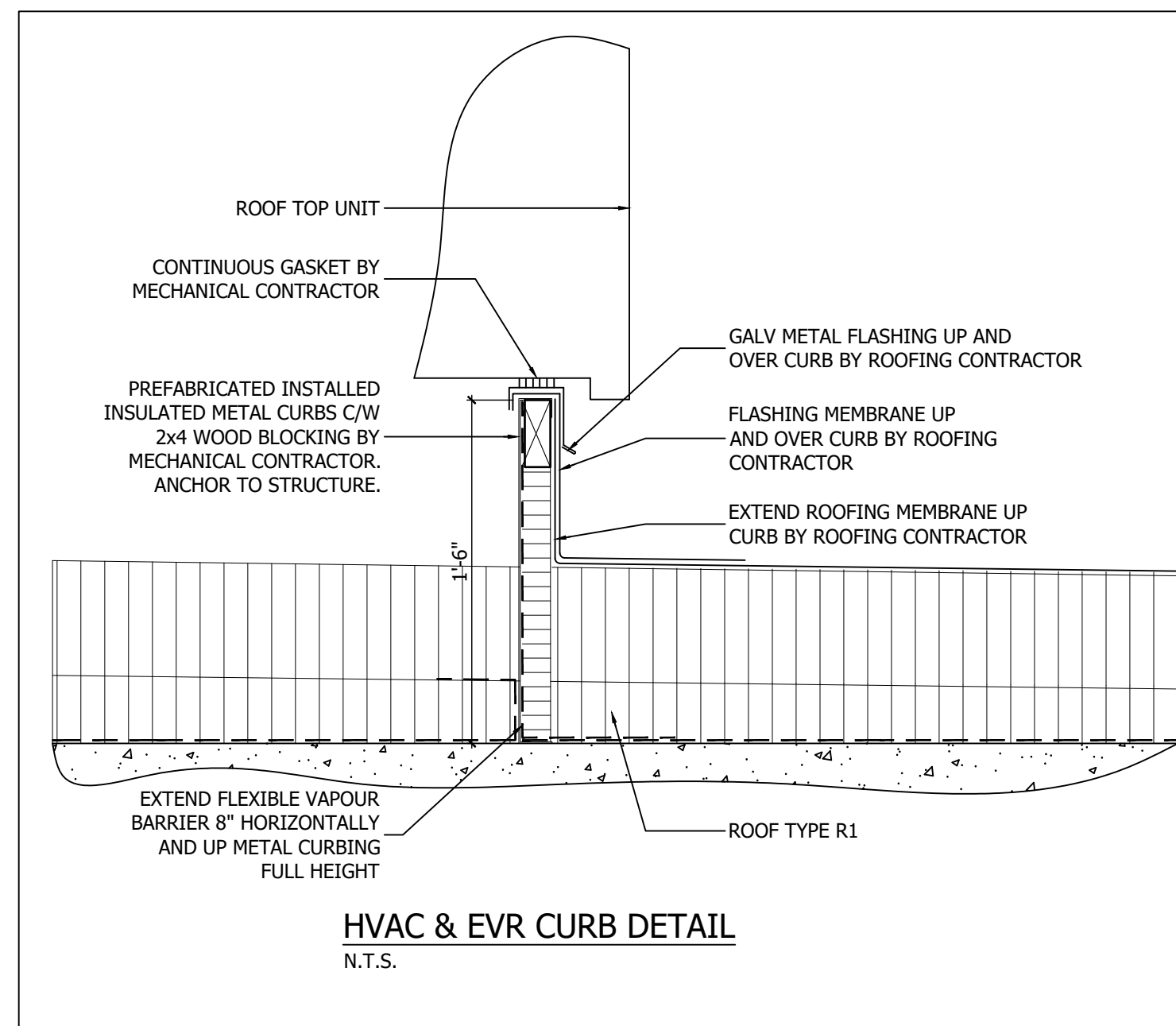
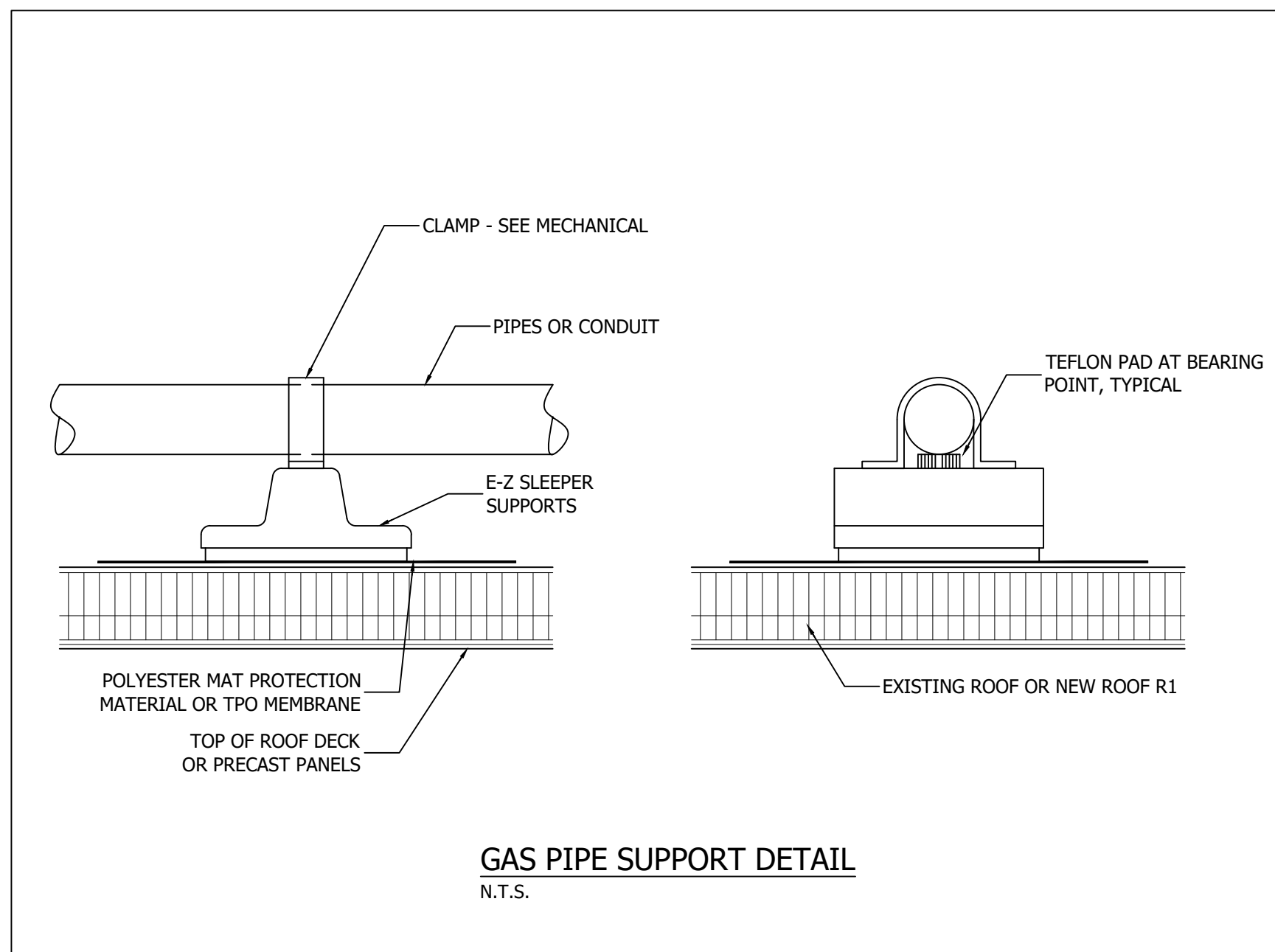
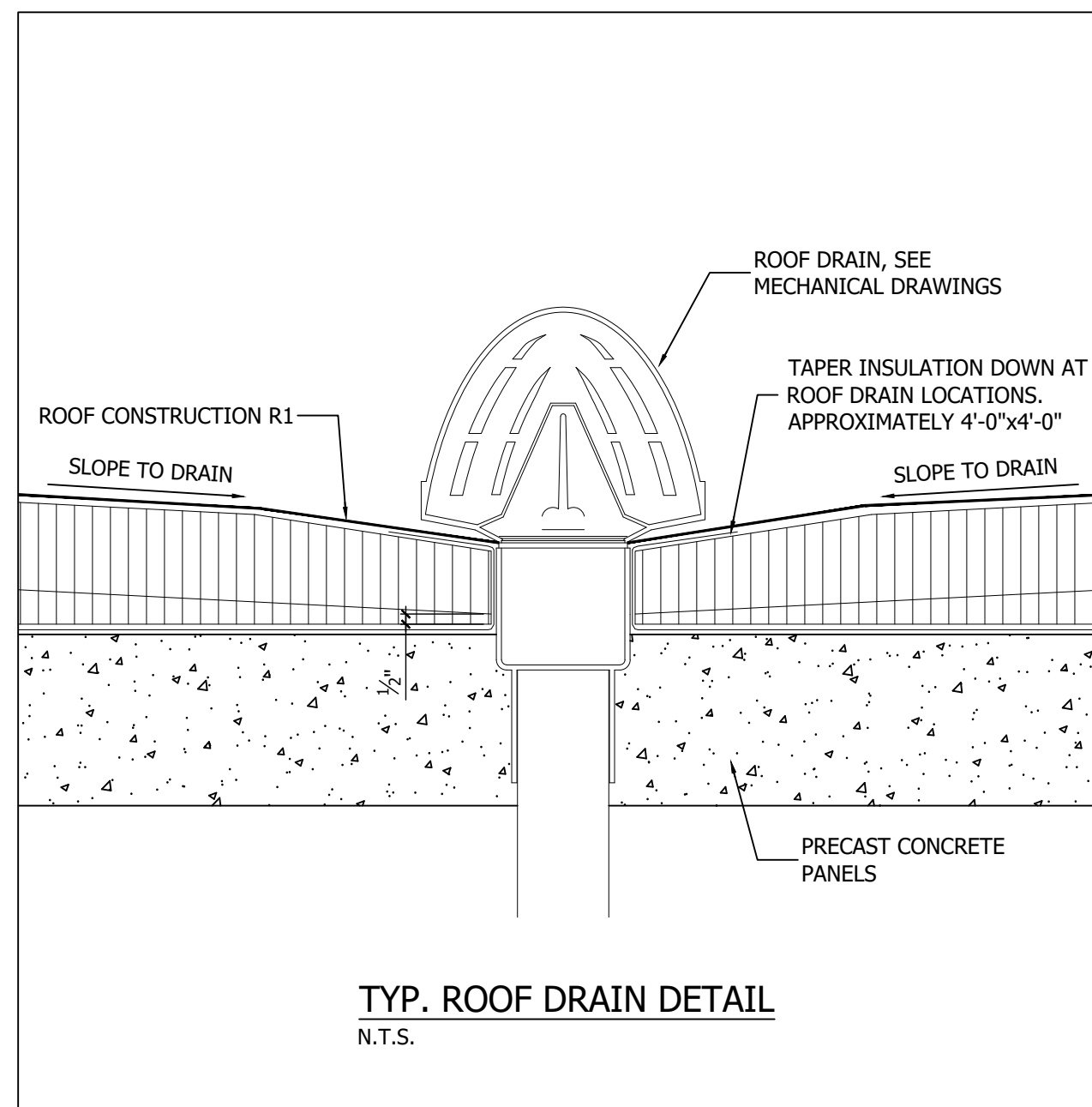
STAMP

NORTH ARROW

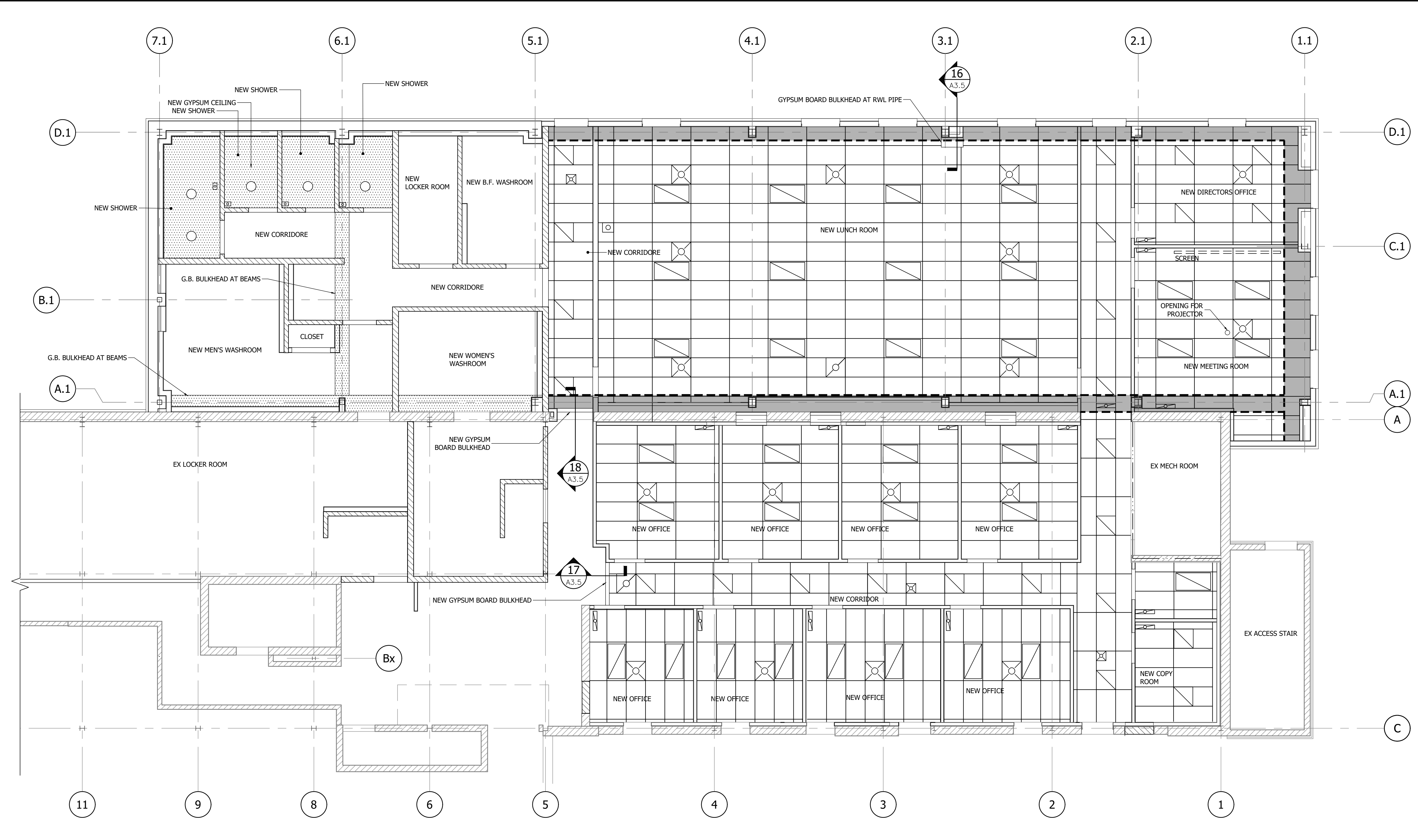


REV.	BY	DESCRIPTION	DATE





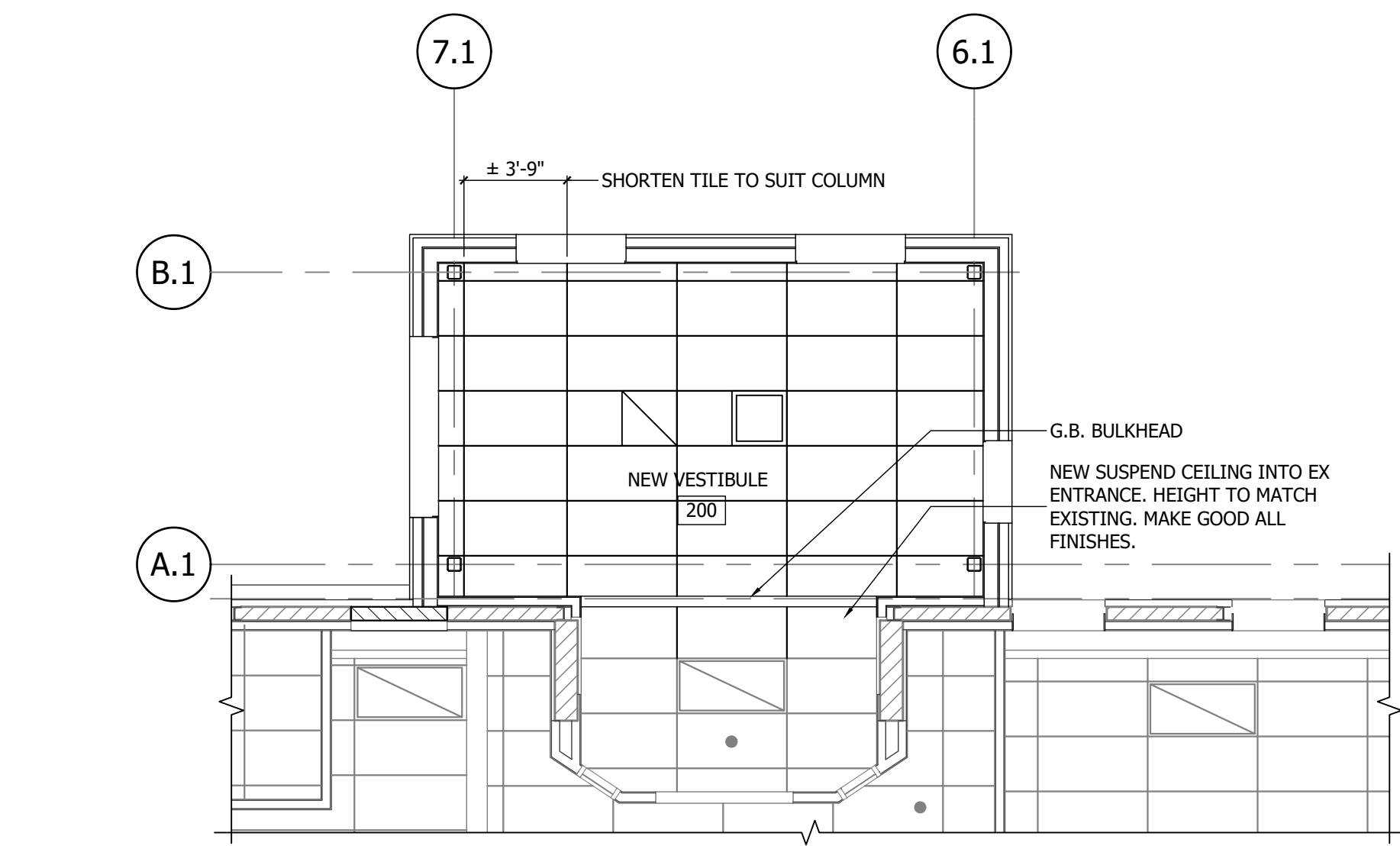
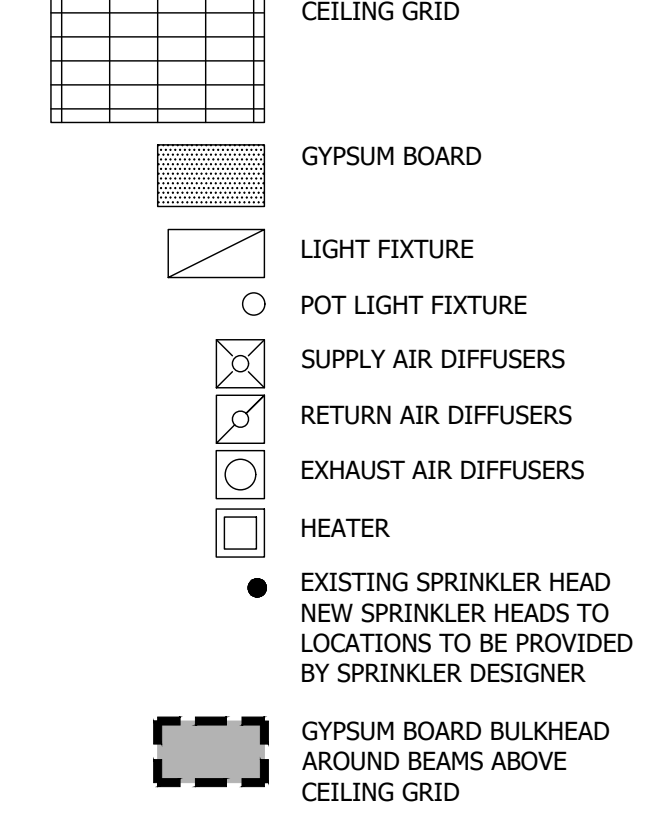
REV.	BY	DESCRIPTION	DATE



**PROPOSED REFLECTIVE CEILING PLAN**  
SCALE: 3/16" = 1'-0"

- GENERAL NOTES**
- COORDINATE LOCATIONS OF LIGHT FIXTURES AND MECHANICAL DIFFUSERS WITH ELECTRICAL & MECHANICAL CONTRACTORS.
  - SPRINKLER HEAD LOCATIONS TO BE LOCATED AS PER SPRINKLER DRAWINGS.
  - CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND RE-INSTALL ALL CEILING GRID AND TILES WHERE NECESSARY FOR RELATED WORK IN THE CEILING.
  - ALL MATERIALS IN A CONCEALED SPACE USED AS A RETURN AIR PLENUM MUST COMPLY TO O.B.C. 3.6.4.3 REQUIREMENTS.
  - LAY-IN OR RECESSED LUMINAIRES ARE TO BE SECURELY SUPPORTED. LUMINAIRES ARE CONSIDERED SUFFICIENTLY SUPPORTED BY ONE OF THE FOLLOWING METHODS:
    - THE LUMINAIRE IS FASTENED DIRECTLY TO THE CEILING-FRAMING MEMBERS OR BUILDING STRUCTURE BY MINIMUM 12 AWG GALVANIZED, SOFT ANNEALED, MILD STEEL WIRE OR FIXTURE CHAIN ATTACHED AT OPPOSITE ENDS OF THE LUMINAIRE.
    - THE LUMINAIRE IS FASTENED TO THE MAIN GRID FRAMING MEMBERS WITH SUITABLE SCREWS, RIVETS, OR OTHER MANUFACTURER APPROVED FASTENING DEVICES.

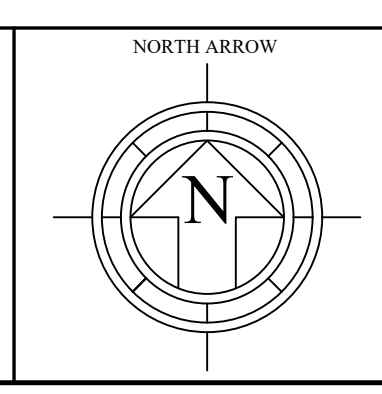
**LEGEND**



**VESTIBULE REFLECTIVE CEILING PLAN**  
SCALE: 3/16" = 1'-0"  
NEW GRID TO LINE UP WITH EXISTING IN NORTH/SOUTH DIRECTION.

ISSUED FOR	
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<input type="checkbox"/>	CLIENT REVIEW
<input type="checkbox"/>	SITE PLAN APPROVAL
<input type="checkbox"/>	BUILDING PERMIT
<input checked="" type="checkbox"/>	TENDER
<input type="checkbox"/>	CONSTRUCTION
DATE	2024-07-24

REV.	BY	DESCRIPTION	DATE



CLIENT  
**CITY OF WOODSTOCK**  
ENGINEERING BLDG  
944 JAMES ST

PROJECT  
**ADDITION AND RENOVATION**

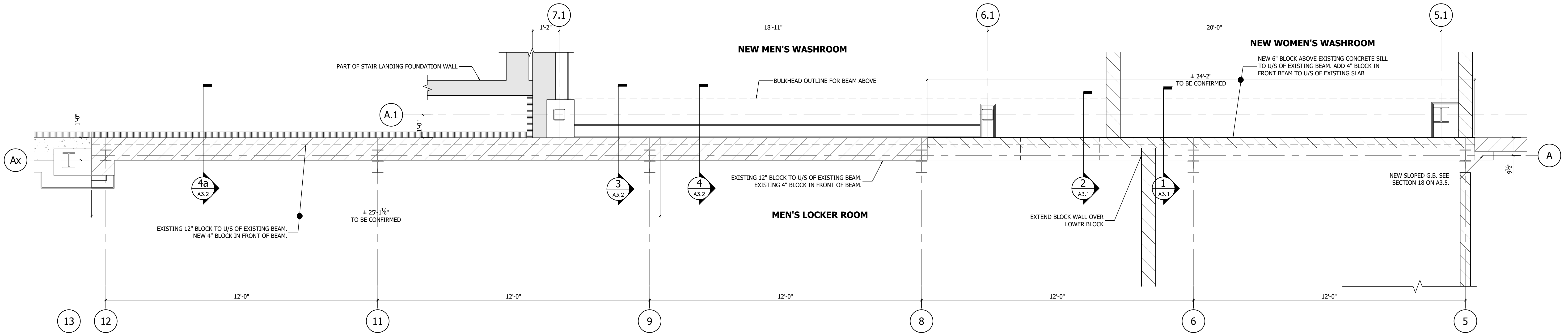
DRAWING  
**REFLECTIVE CEILING PLAN**

 **SPH ENGINEERING INC.**  
REAL WORLD ENGINEERING SOLUTIONS  
TEL: 519-539-5700 FA: 1: 519-539-5775

485037 SWEABURG ROAD  
WOODSTOCK, ONTARIO  
N4S 7V6

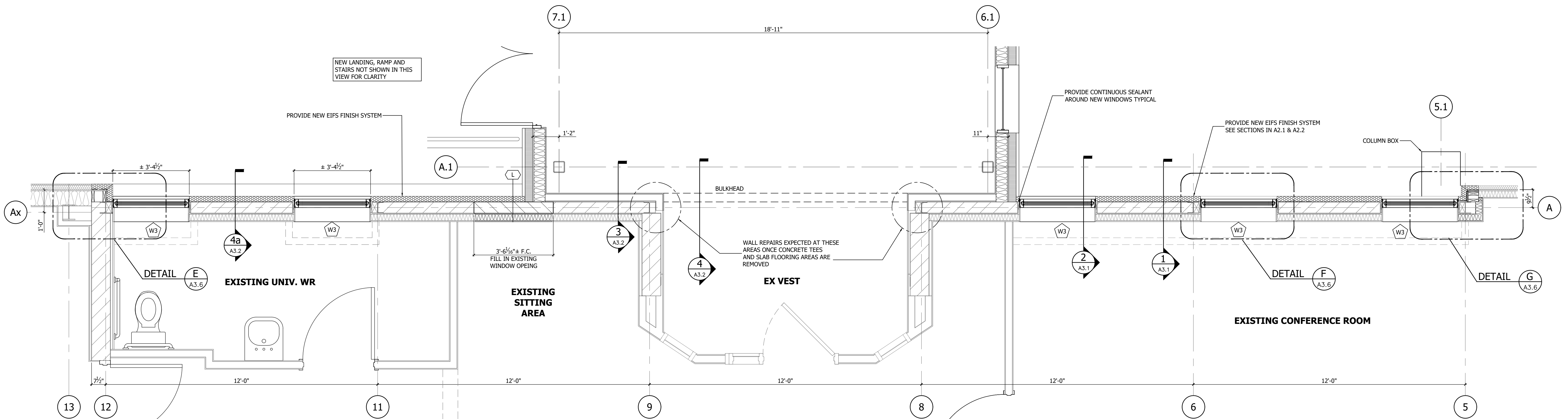
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DRAWN	CHECKED	PROJECT NUMBER	SHEET SIZE
AA	JH	21367	24x36
DATE	SCALE	FILE NAME	<b>A1.5</b>
2022-07-12	AS NOTED	21367MAIN16	



**ENLARGED GROUND FLOOR PLAN**

SCALE: 1/8" = 1'-0"  
 - ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY  
 - PATCH FLOOR SLAB TO MATCH EXISTING AS REQUIRED AT SANITARY CONNECTION  
 MAKE GOOD ALL FINISHES.

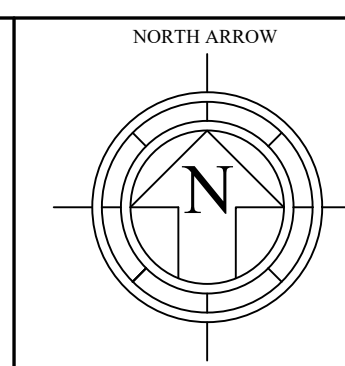


**ENLARGED FIRST FLOOR PLAN**

SCALE: 1/8" = 1'-0"  
 - ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY  
 - PATCH FLOOR SLAB TO MATCH EXISTING AS REQUIRED AT SANITARY CONNECTION  
 MAKE GOOD ALL FINISHES.

ISSUED FOR	
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<input type="checkbox"/>	CLIENT REVIEW
<input type="checkbox"/>	SITE PLAN APPROVAL
<input type="checkbox"/>	BUILDING PERMIT
<input checked="" type="checkbox"/>	TENDER
<input type="checkbox"/>	CONSTRUCTION
DATE 2024-07-24	

STAMP	



REV.	BY	DESCRIPTION	DATE

CLIENT  
**CITY OF WOODSTOCK**  
 ENGINEERING BLDG  
 944 JAMES ST

PROJECT  
**ADDITION  
 AND  
 RENOVATION**

DRAWING  
**ENLARGED PLANS**

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 N4S 7V6

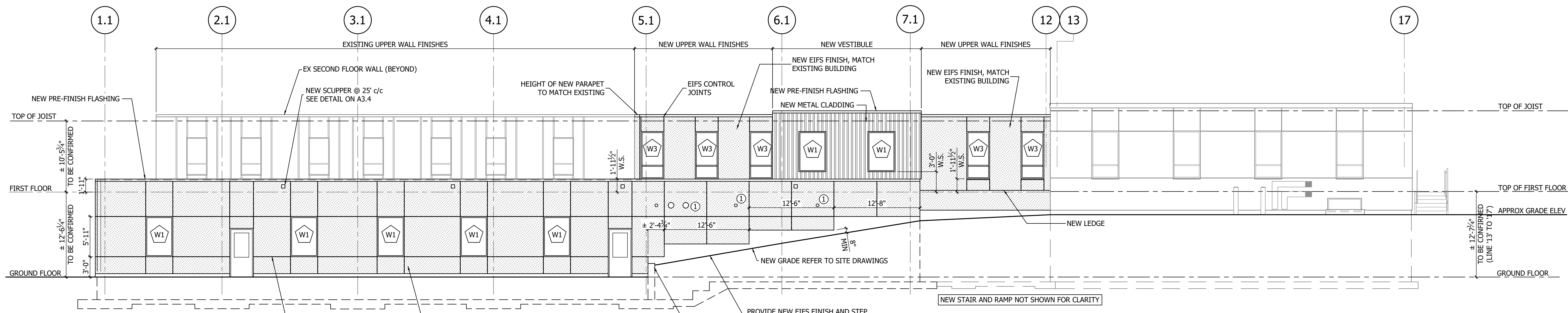
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DRAWN  
 AA  
 DATE  
 2022-07-12

CHECKED  
 JH  
 SCALE  
 AS NOTED

PROJECT NUMBER  
 21367  
 FILE NAME  
 21367MAIN16

SHEET SIZE  
 24x36  
 DRAWING  
**A1.6**



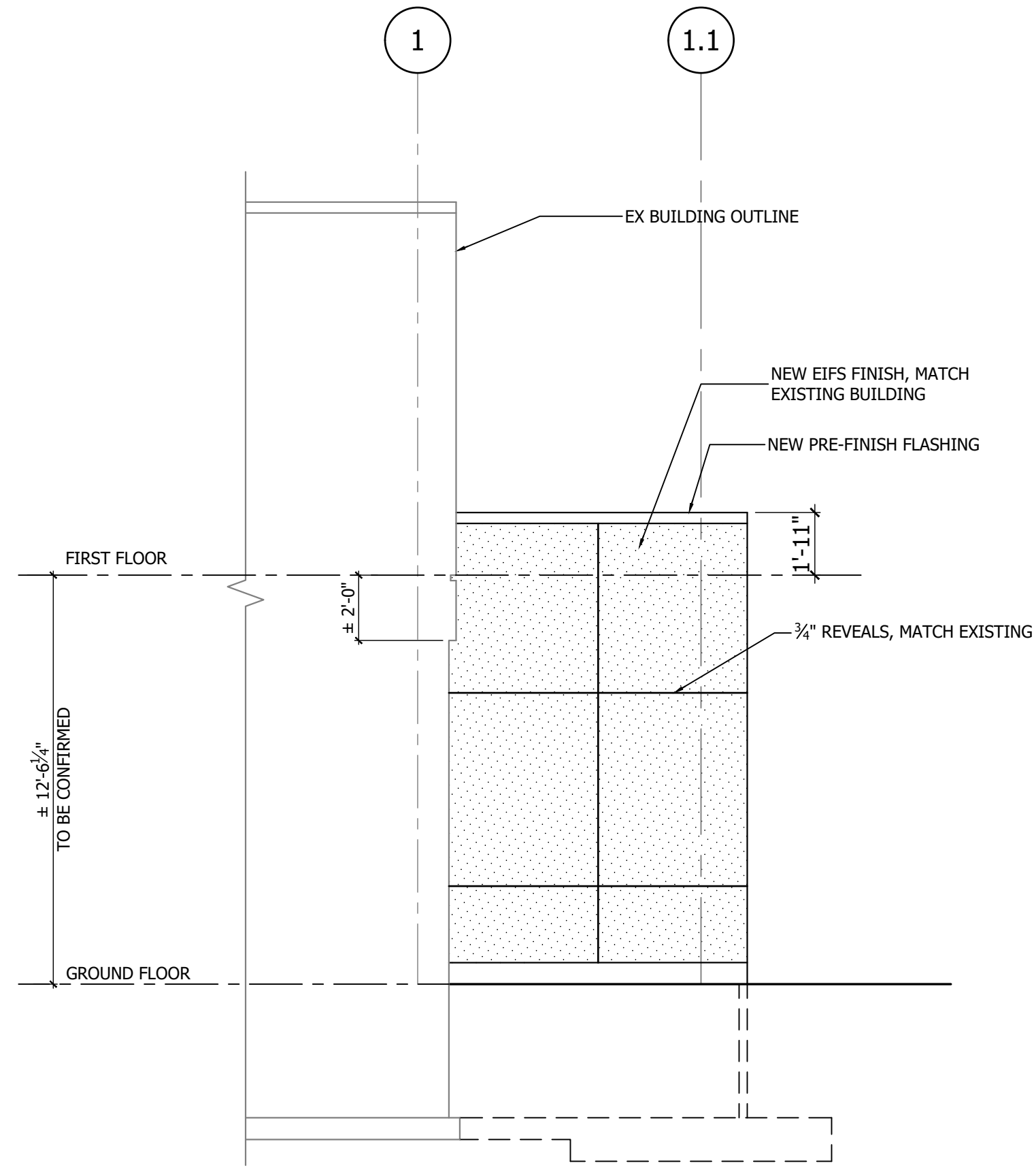
**EXTERIOR COLOR FINISHES SCHEDULE**  
 - STUCCO FLASHING AND PARAPET CAP FLASHING / QC 28129 PEBBLE KHAKI  
 - EIFS COLOR - BENJAMIN MOORE / SILVER FOX 2108-50  
 - NEW PRE-FINISH ALUMN SOFFIT COLOR - QC 28129 PEBBLE KHAKI OR APPROVED EQUAL  
 - WINDOW TRIM AND GLASS - SEE WINDOW SCHEDULE

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

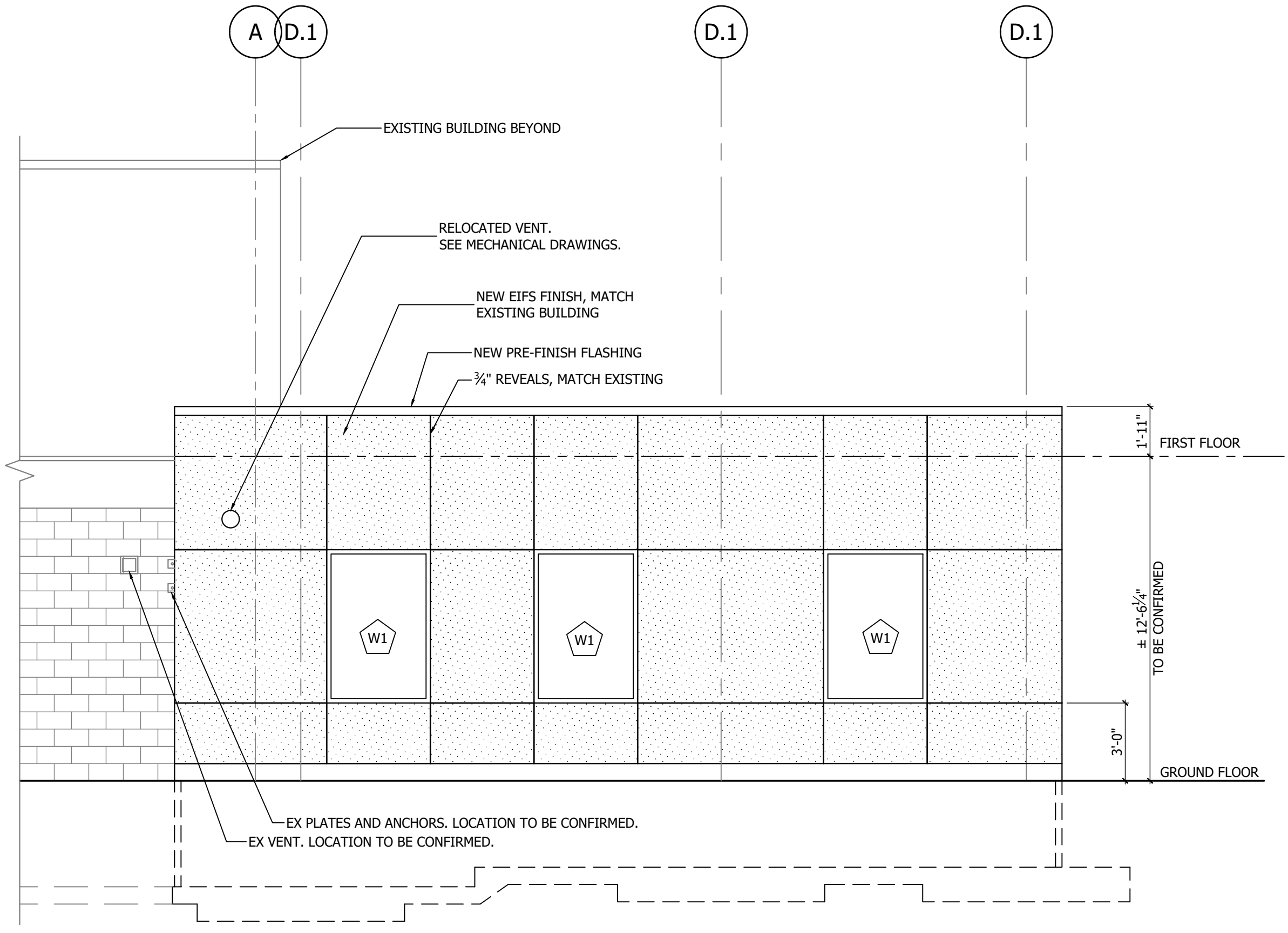
NOTE:  
 NEW WINDOWS IN NEW VESTIBULE TO BE SALVAGED AND REUSED IN PHASE 2.  
 W.S. DENOTES: WINDOW SILL.

① - PROVIDE OPENING FOR NEW VENT. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS. SEAL ALL AROUND OPENINGS. PROVIDE SLEEVES OR IF HOLES ARE CORED INTO CONCRETE WALL DO NOT CUT OR DAMAGE EXISTING EMBEDDED REBAR.

PROVIDE NEW EIFS FINISH AND STEP TO SUIT GRADE  
 NEW RETAINING WALL REFER TO SITE DRAWINGS FOR LOCATION SEE FOUNDATION DRAWINGS FOR DETAILS



**GROUND FLOOR SOUTH ELEVATION**  
 SCALE: 1/4" = 1'-0"



**GROUND FLOOR EAST ELEVATION**  
 SCALE: 1/4" = 1'-0"

CLIENT  
**CITY OF WOODSTOCK**  
 ENGINEERING BLDG  
 944 JAMES ST

PROJECT  
**ADDITION AND RENOVATION**

DRAWING  
**PROPOSED ELEVATIONS**



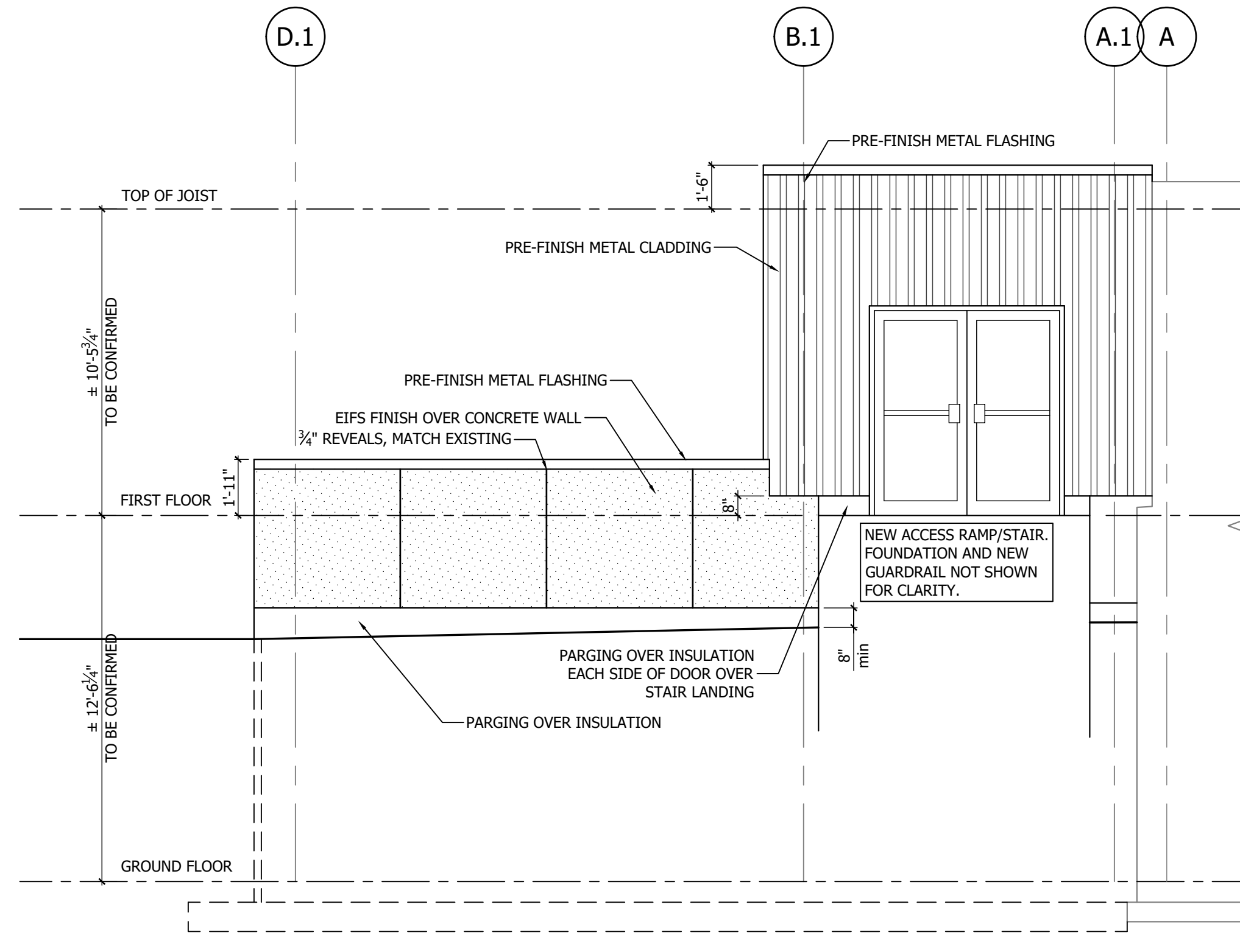
**SPH ENGINEERING INC.**  
 REAL WORLD ENGINEERING SOLUTIONS  
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 485037 SWEABURG ROAD  
 WOODSTOCK, ONTARIO  
 N4S 7V6

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 SITE PLAN APPROVAL  
 BUILDING PERMIT  
 TENDER  
 CONSTRUCTION  
 DATE 2024-07-24  
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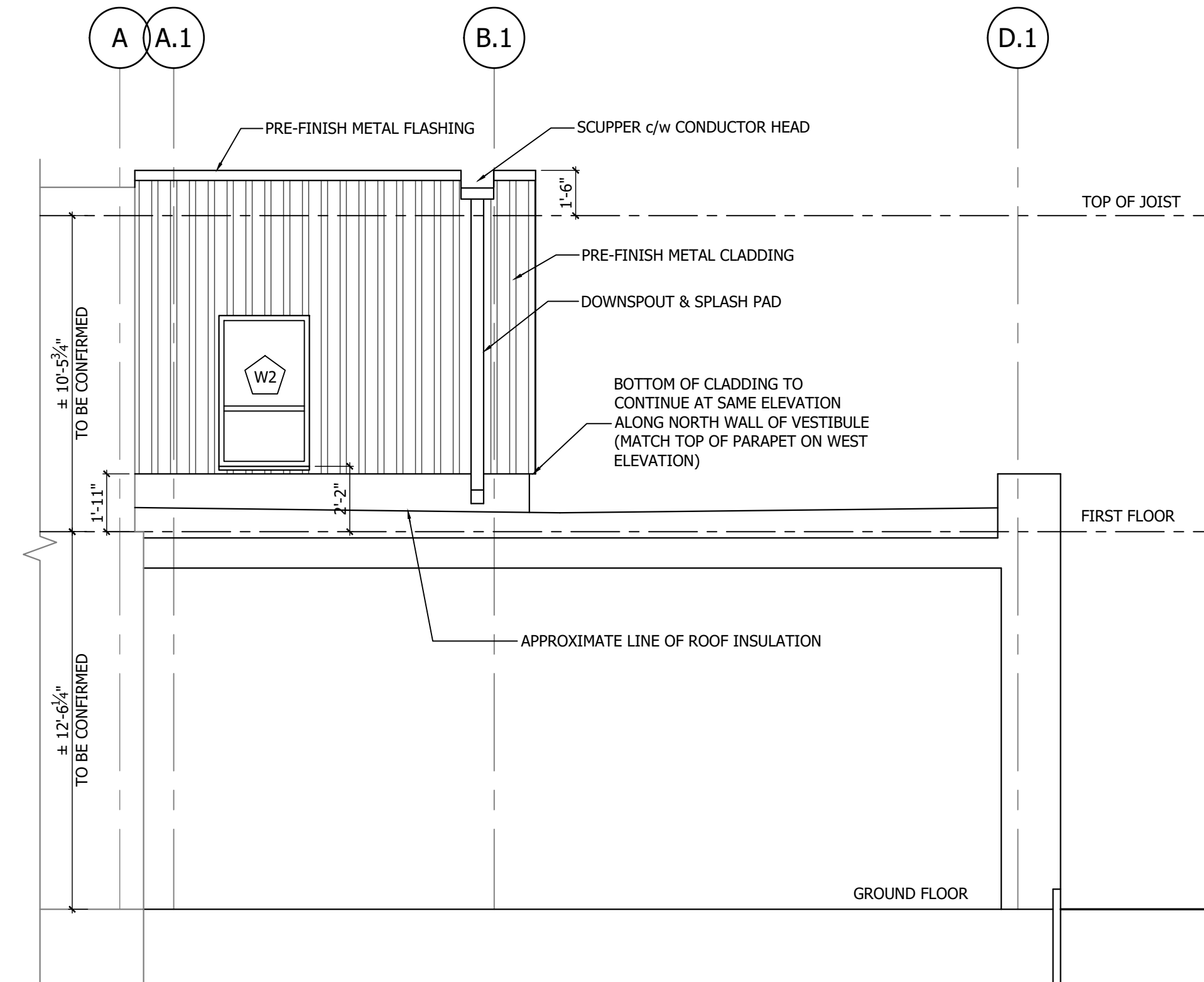
STAMP	NORTH ARROW

REV.	BY	DESCRIPTION	DATE

AA	JH	21367	24x36
2022-07-12	AS NOTED	21367MAIN16	<b>A2.1</b>



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



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

- EXTERIOR COLOR FINISHES SCHEDULE**
- STUCCO FLASHING AND PARAPET CAP FLASHING / QC 28129 PEBBLE KHAKI
  - EIFS COLOR - BENJAMIN MOORE / SILVER FOX 2108-50
  - NEW PRE-FINISH ALUMN SOFFIT COLOR - QC 28129 PEBBLE KHAKI OR APPROVED EQUAL
  - WINDOW TRIM AND GLASS - SEE WINDOW SCHEDULE

ISSUED FOR		STAMP	NORTH ARROW	REV.	BY	DESCRIPTION	DATE
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DATE 2024-07-24							
DRAWN	CHECKED	PROJECT NUMBER	SHEET SIZE				
AA	JH	21367	24x36				
DATE	SCALE	FILE NAME					
2022-07-12	AS NOTED	21367MAIN16	<b>A2.2</b>				

CLIENT  
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ENGINEERING BLDG  
944 JAMES ST

PROJECT  
**ADDITION  
AND  
RENOVATION**

DRAWING  
**PROPOSED ELEVATIONS**

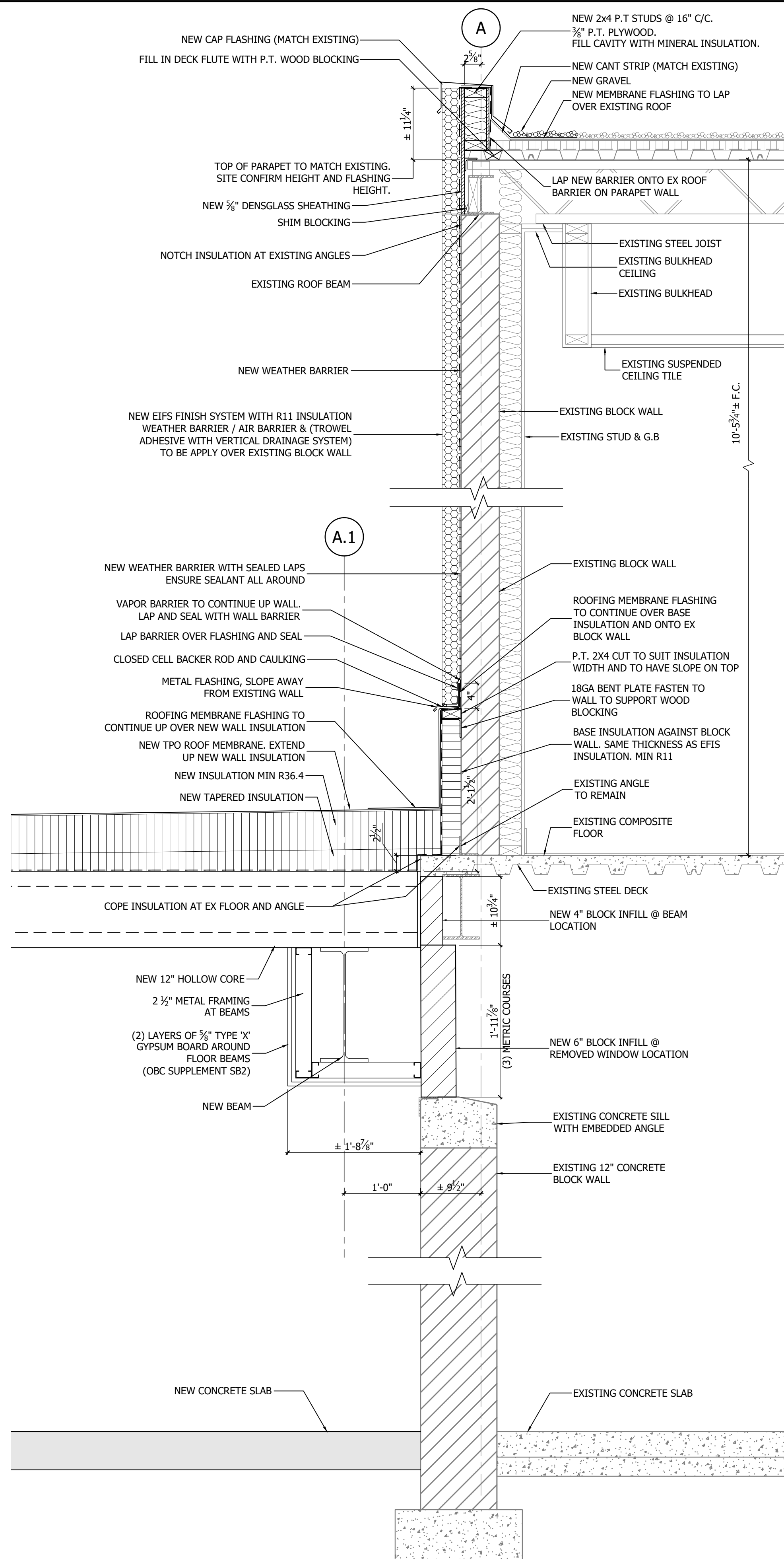


**SPH ENGINEERING INC.**  
REAL WORLD ENGINEERING SOLUTIONS  
TEL: 519-539-5700 FA.1: 519-539-5775

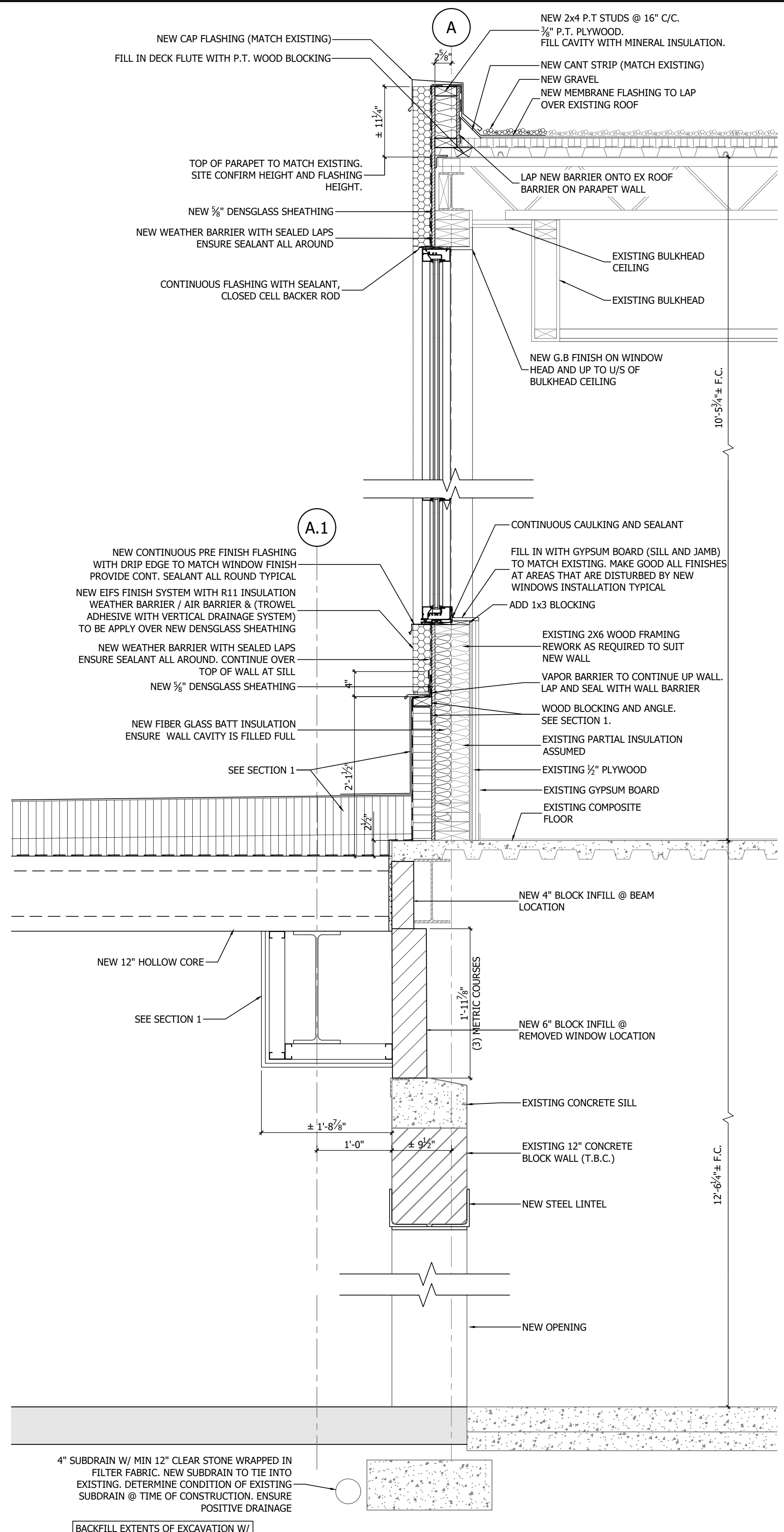
485037 SWEABURG ROAD  
WOODSTOCK, ONTARIO  
N4S 7V6

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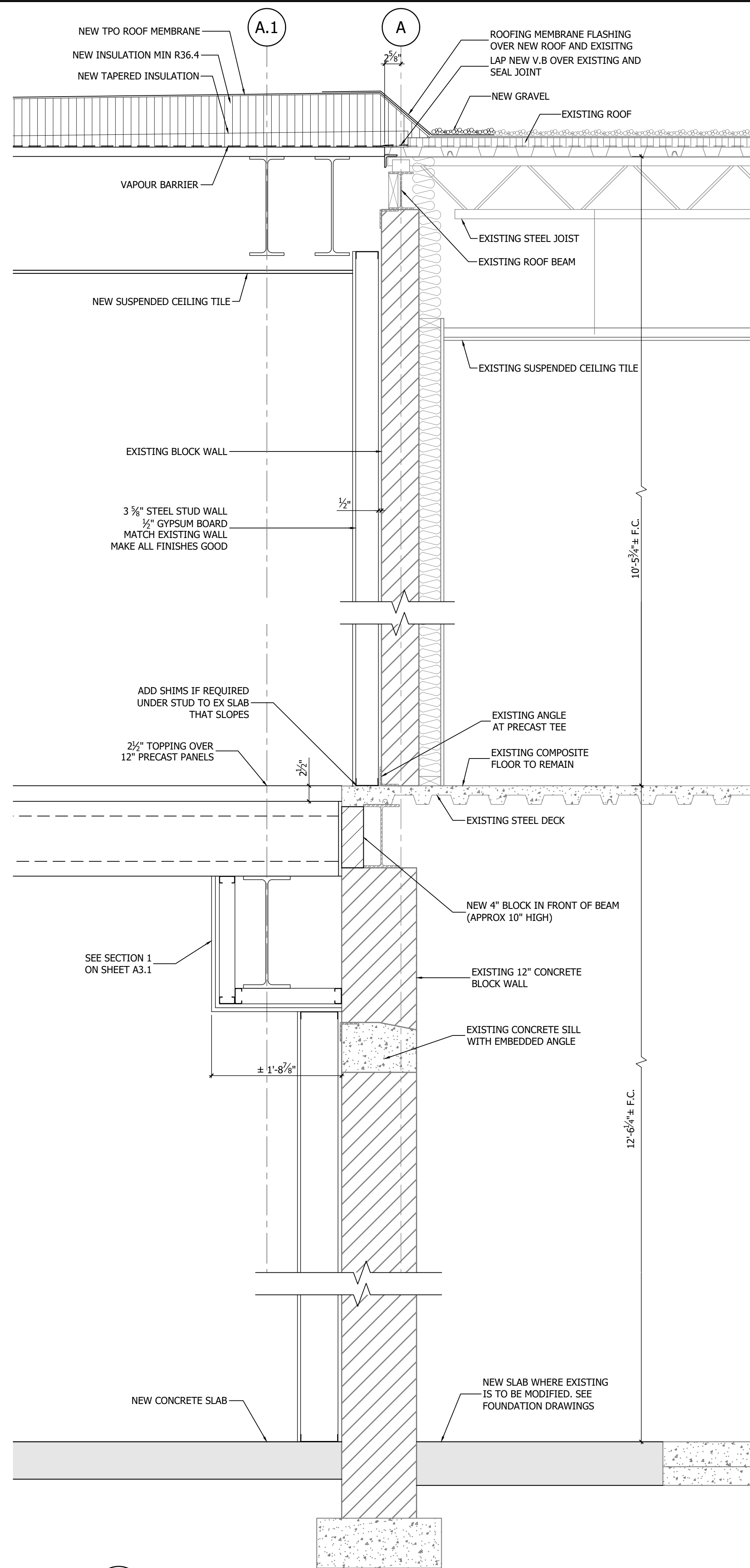




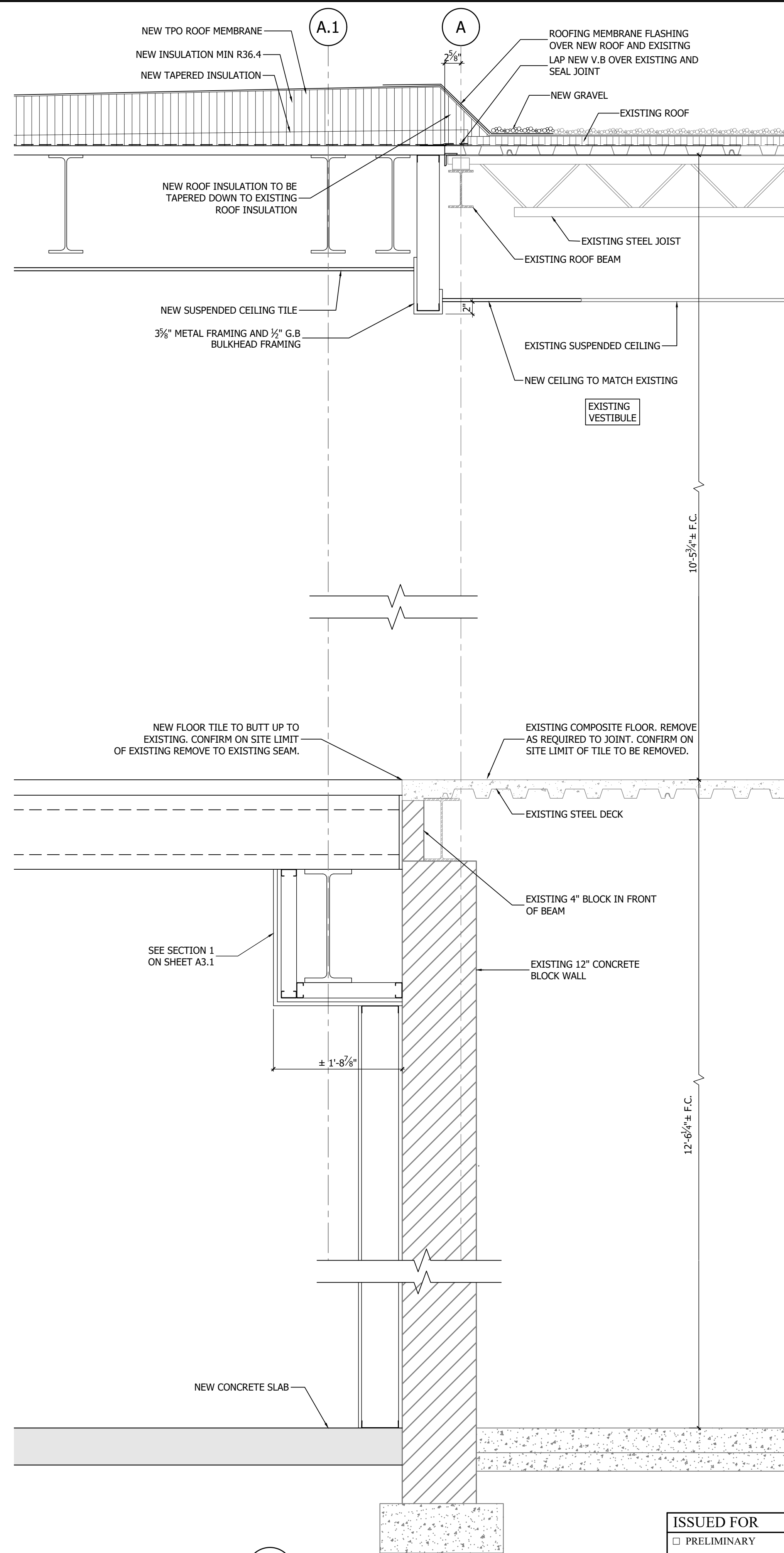
**1 SECTION**  
A1.2, A1.4 1"=1'-0"



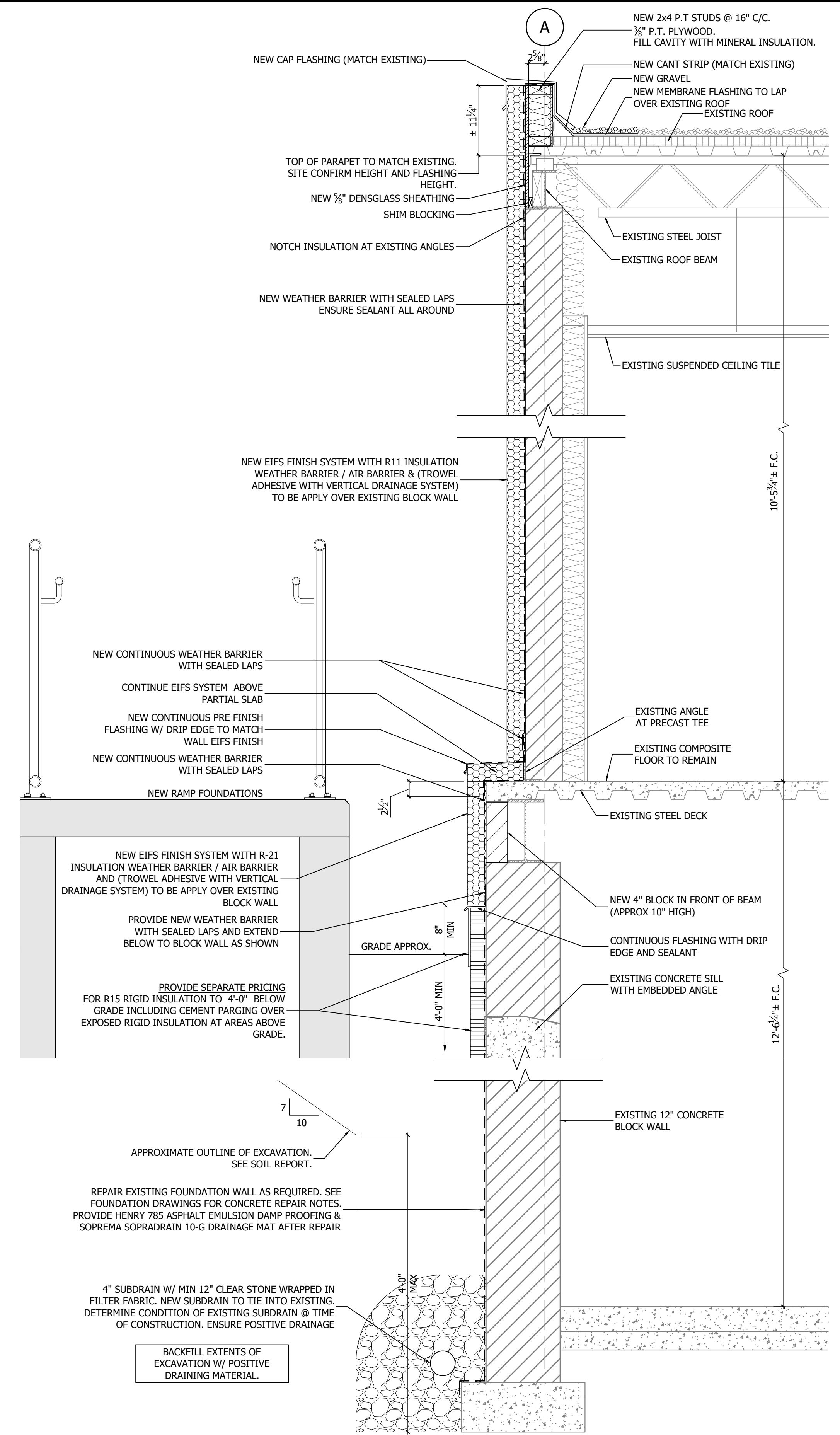
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A1.2, A1.4 1"=1'-0"



**3 SECTION**  
A1.2, A1.4 1" = 1'-0"

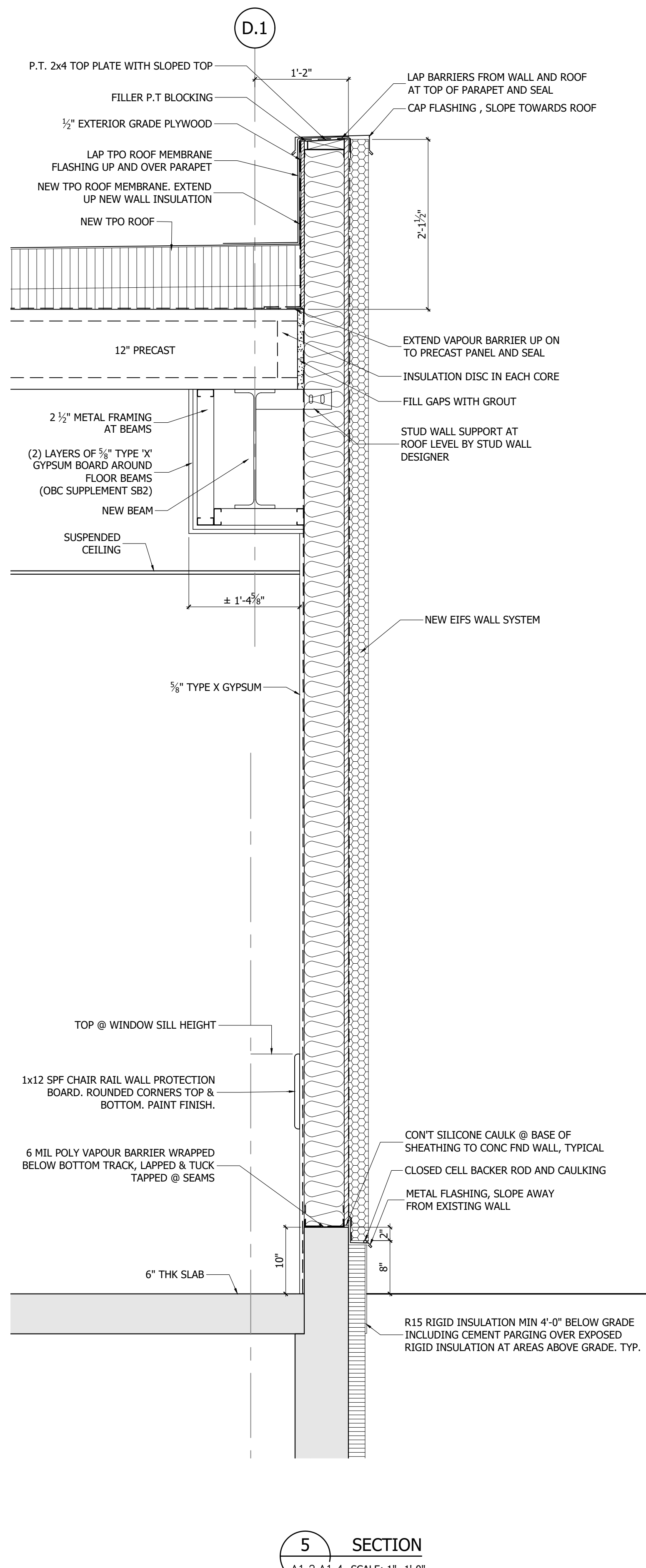


**4 SECTION**  
A1.2, A1.4 1" = 1'-0"

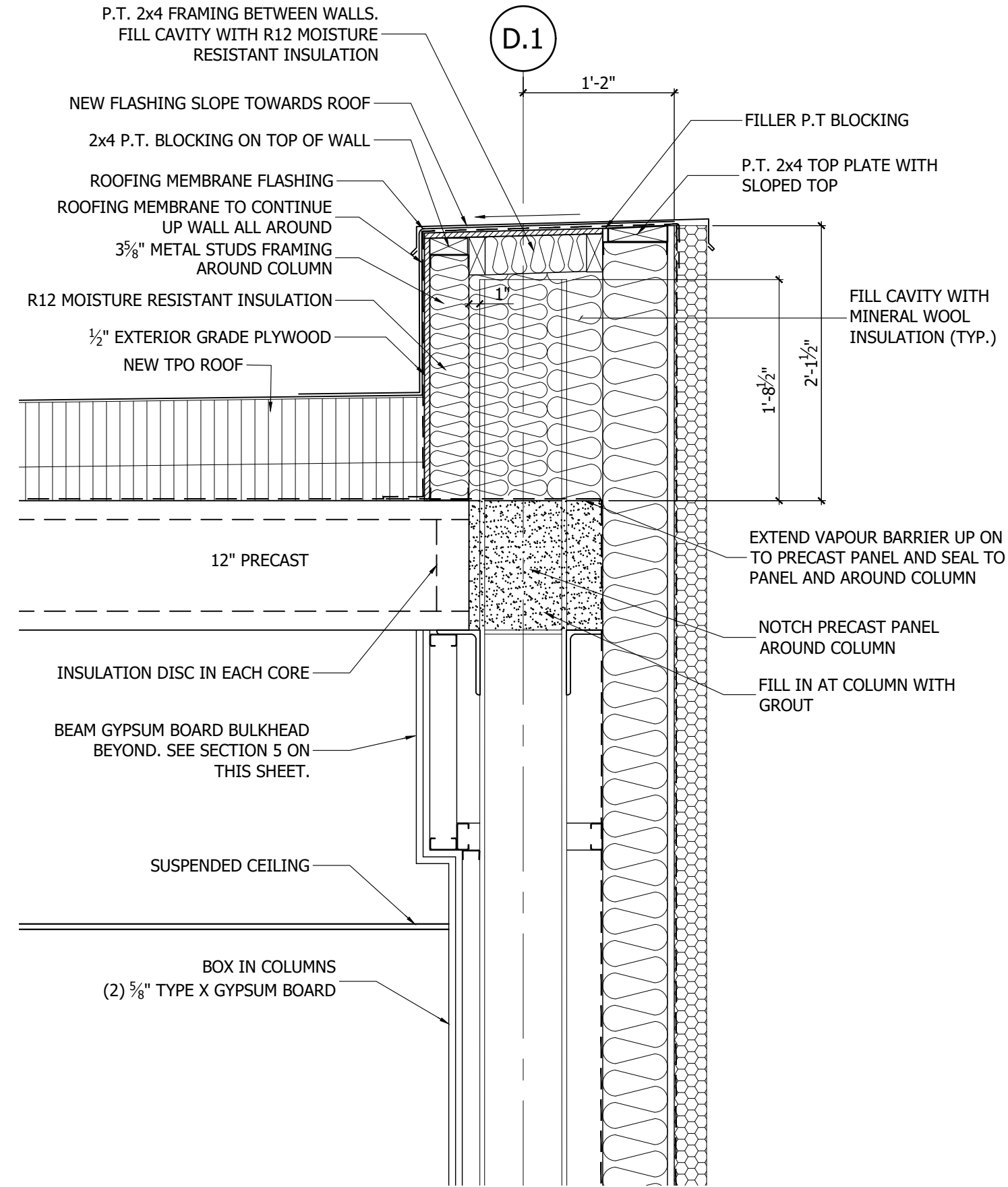


**4a SECTION**  
A1.2, A1.4 1" = 1'-0"

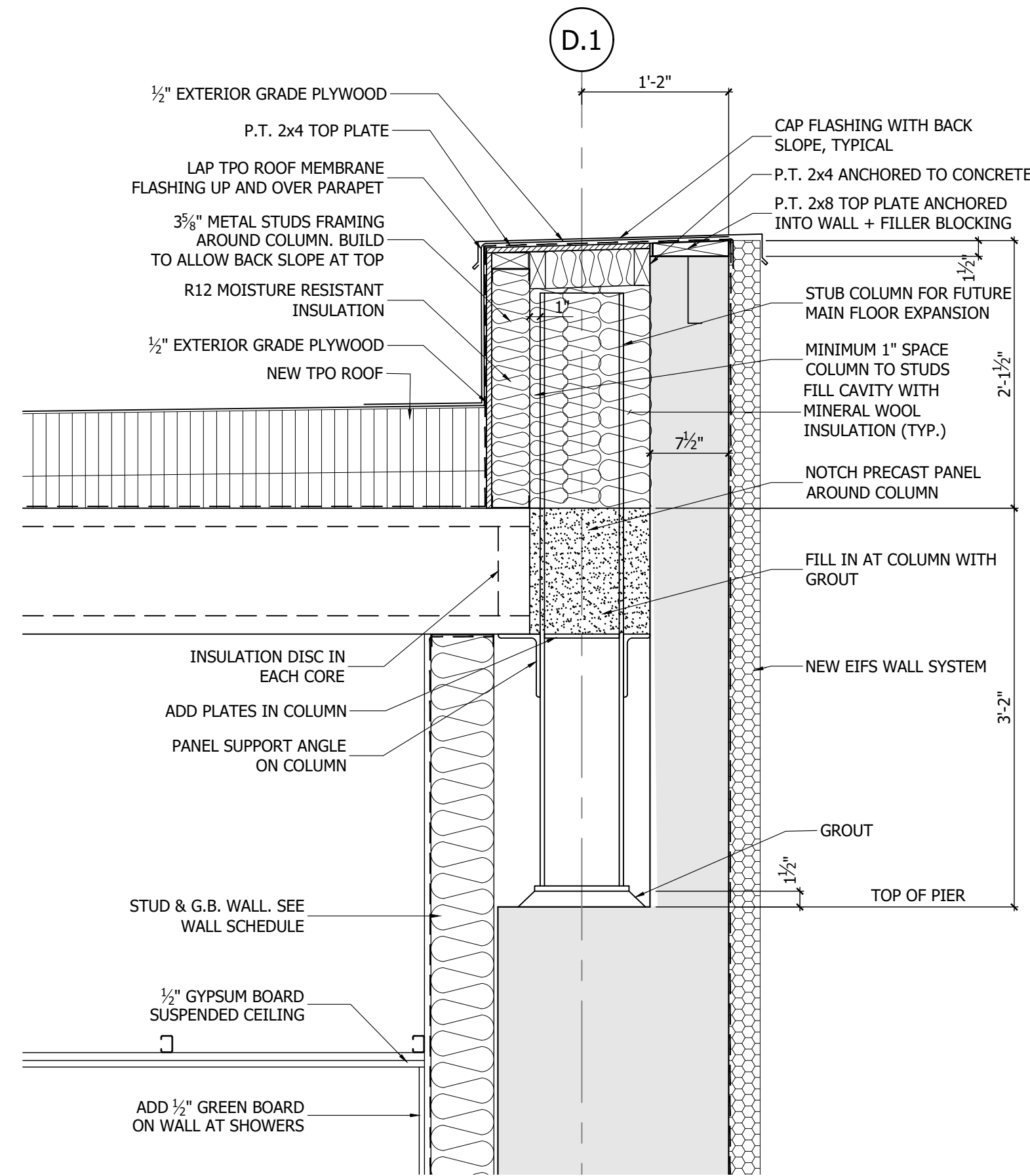
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DATE	2024-07-24				
REV.	BY	DESCRIPTION		DATE	
	AA	JH	21367	24x36	
DATE	2022-07-12	SCALE	AS NOTED	FILE NAME	21367MAIN16
					<b>A3.2</b>



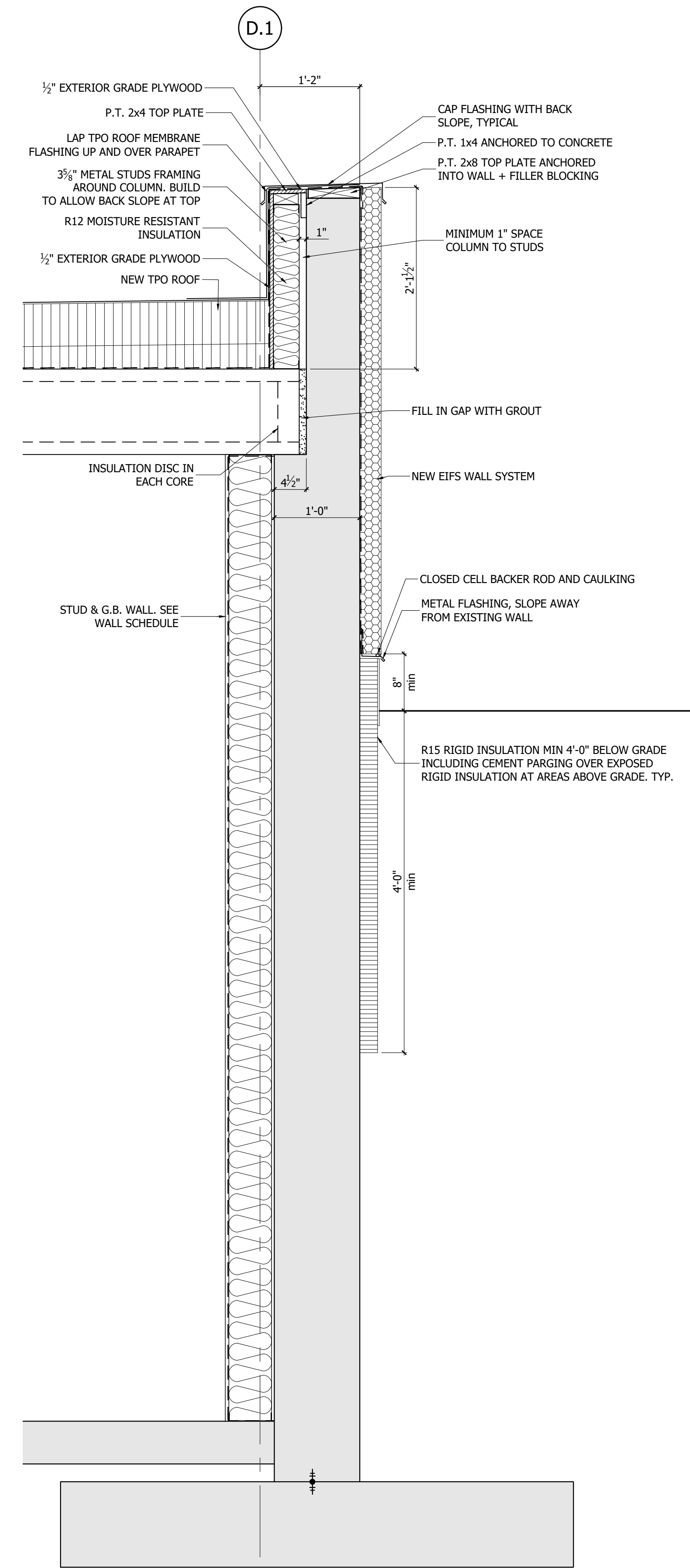
5 SECTION  
A1.2,A1.4 SCALE: 1"=1'-0"



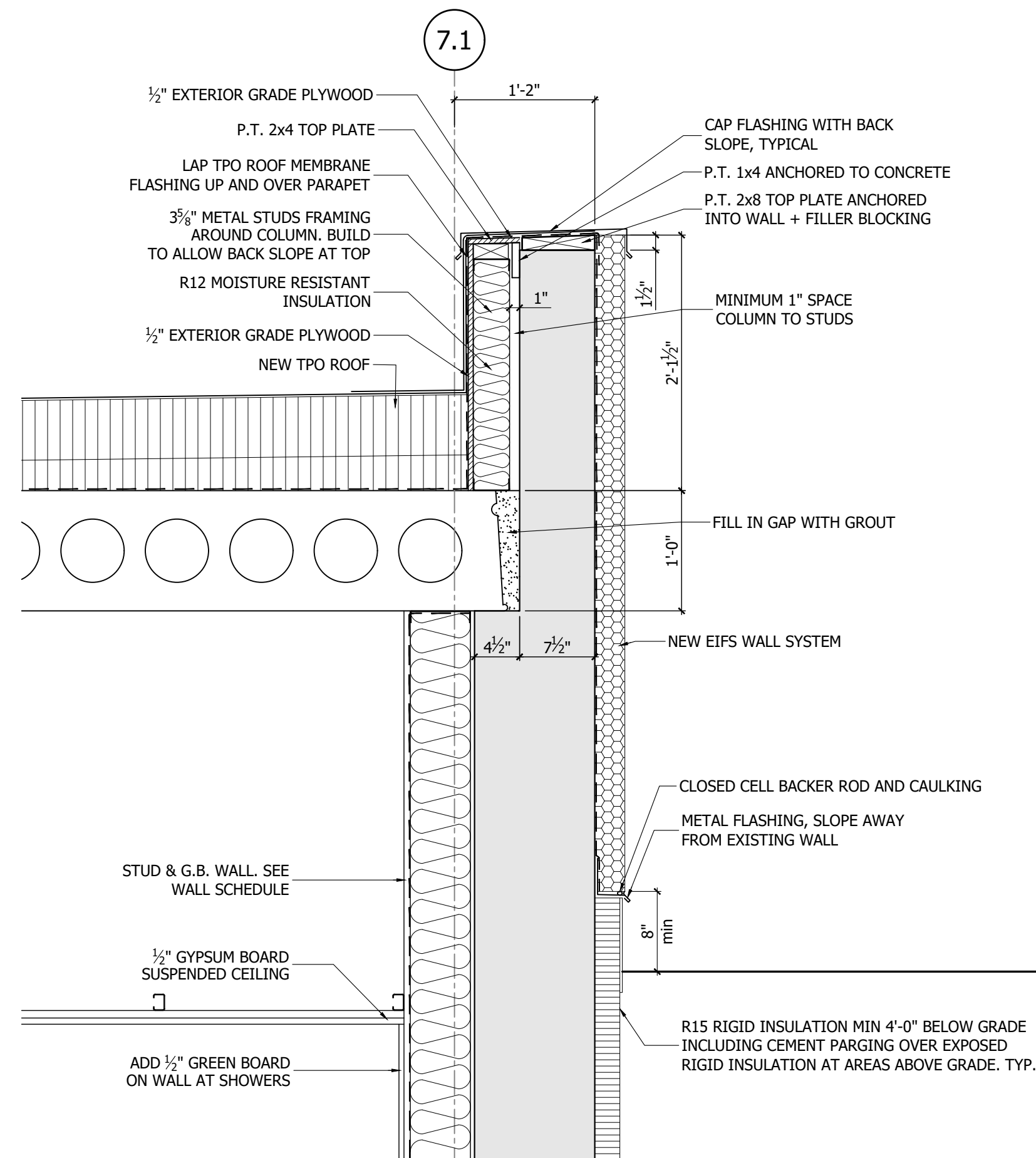
6 SECTION  
A1.2,A1.4 SCALE: 1"=1'-0"



7 SECTION  
A1.2,A1.4 SCALE: 1"=1'-0"



8 SECTION  
A1.2,A1.4 SCALE: 1"=1'-0"



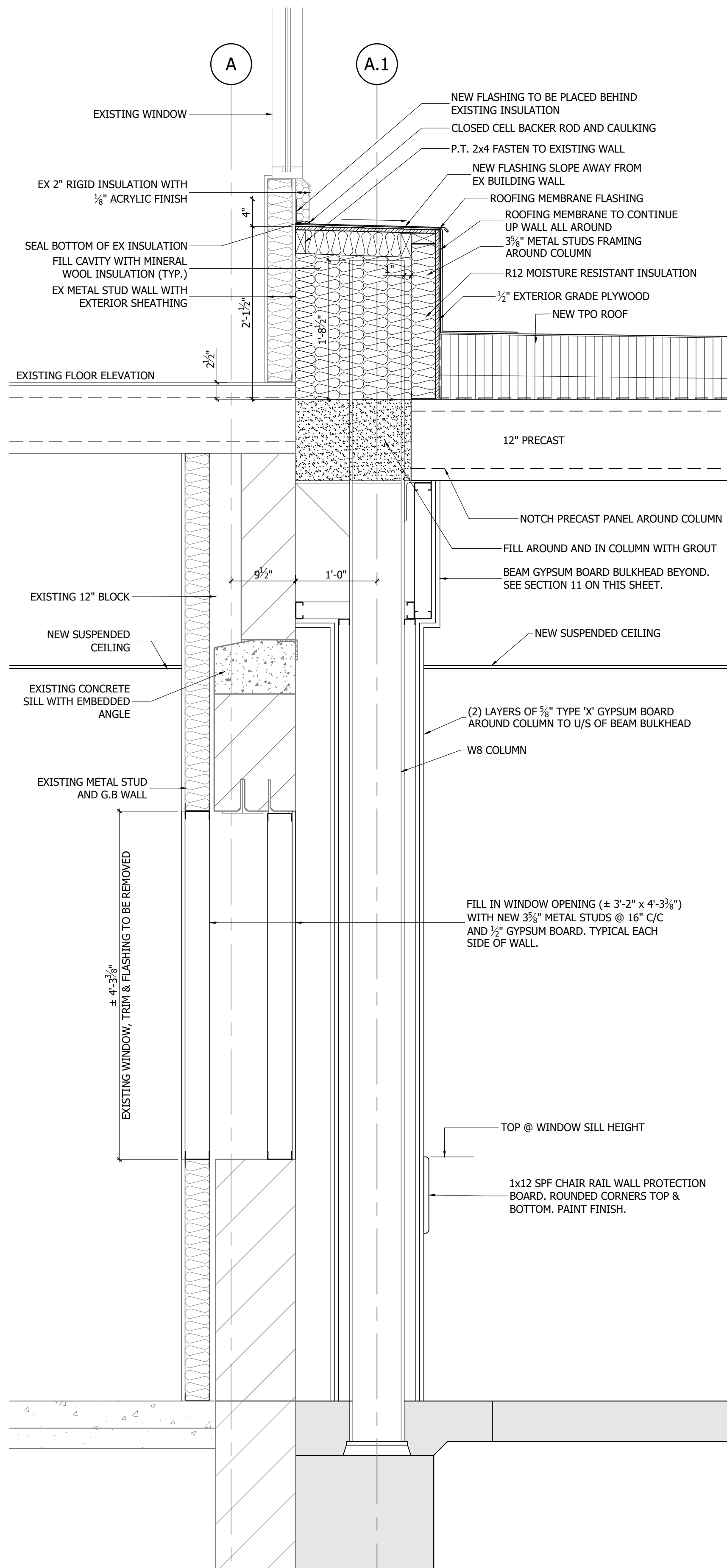
9 SECTION  
A1.2,A1.4 SCALE: 1"=1'-0"

ISSUED FOR		STAMP	NORTH ARROW
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<input type="checkbox"/> SITE PLAN APPROVAL	<input type="checkbox"/> BUILDING PERMIT		
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DATE 2024-07-24			

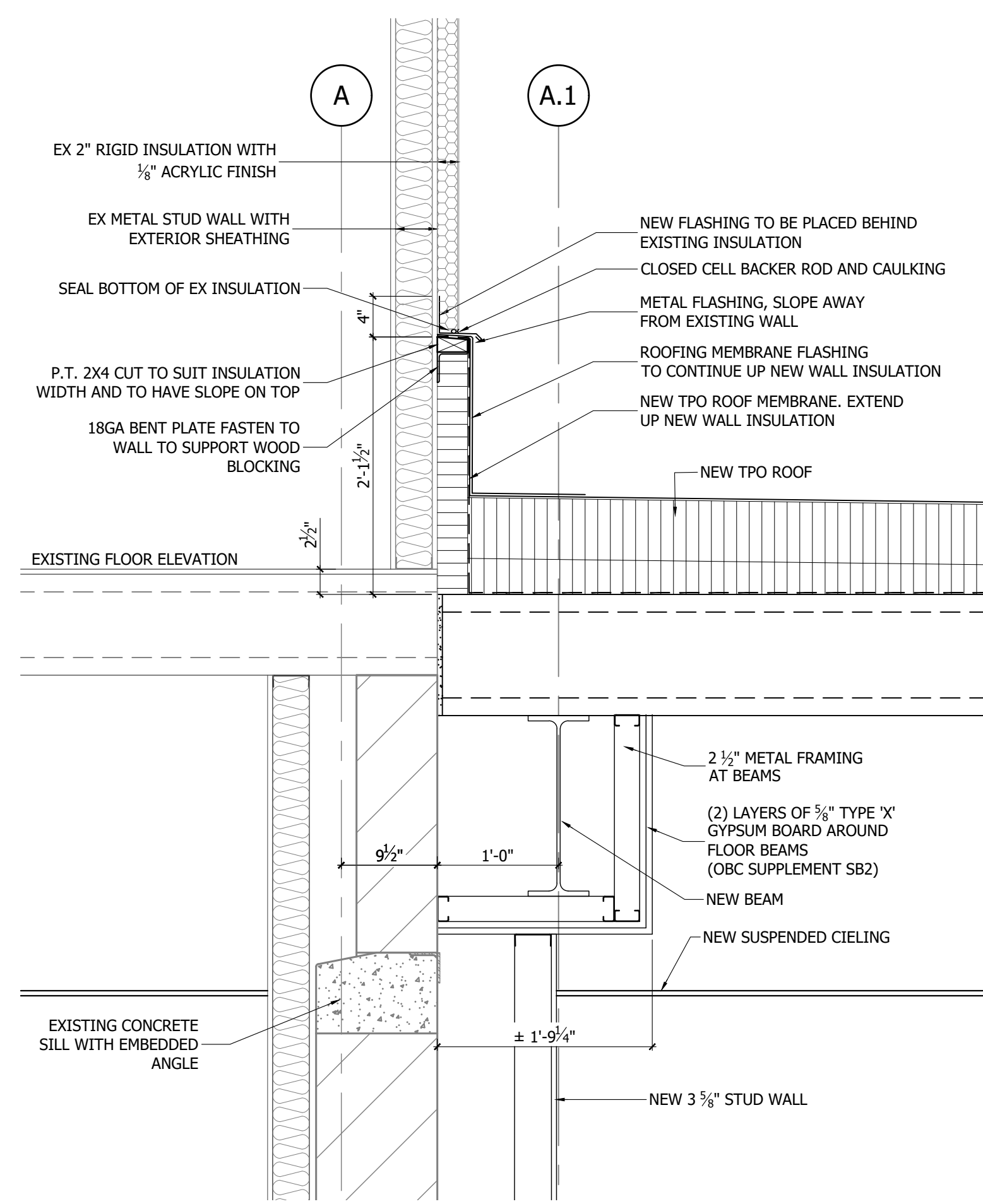
REV.	BY	DESCRIPTION	DATE

DRAWN	CHECKED	PROJECT NUMBER	SHEET SIZE
AA	JH	21367	24x36
DATE	SCALE	FILE NAME	A3.3
2022-07-12	AS NOTED	21367MAIN16	

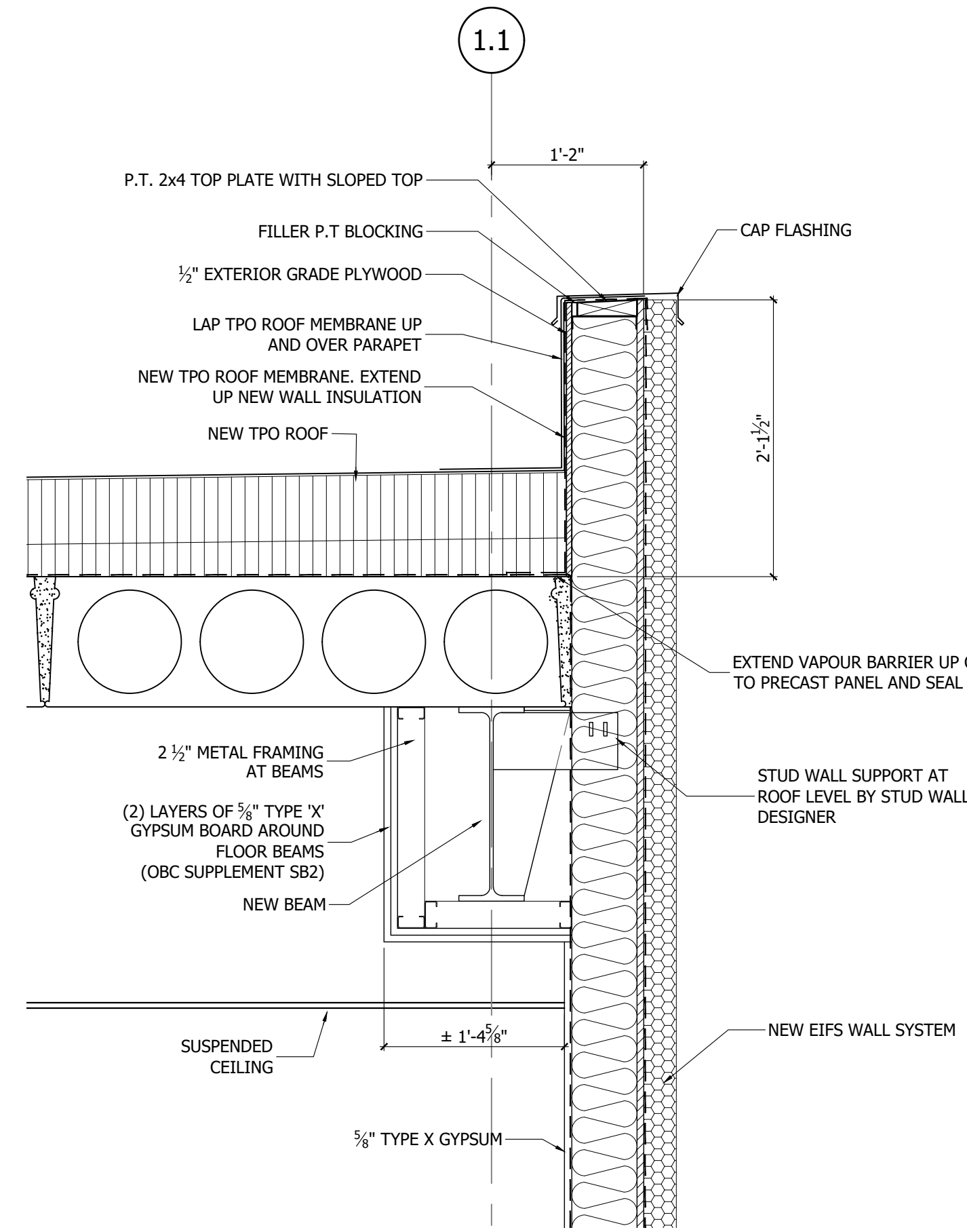




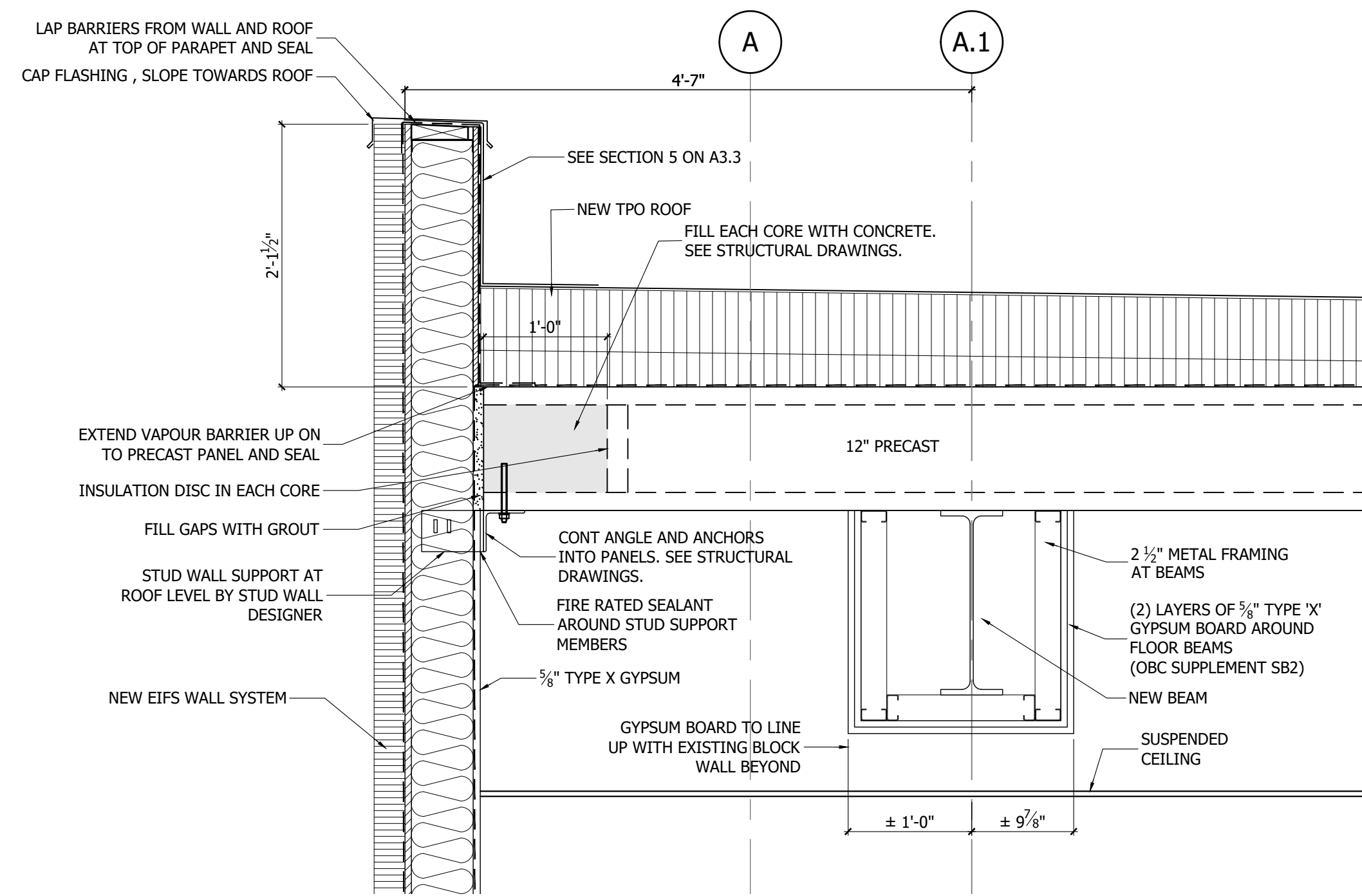
10 SECTION  
A1.2,A1.4 SCALE: 1"=1'-0"



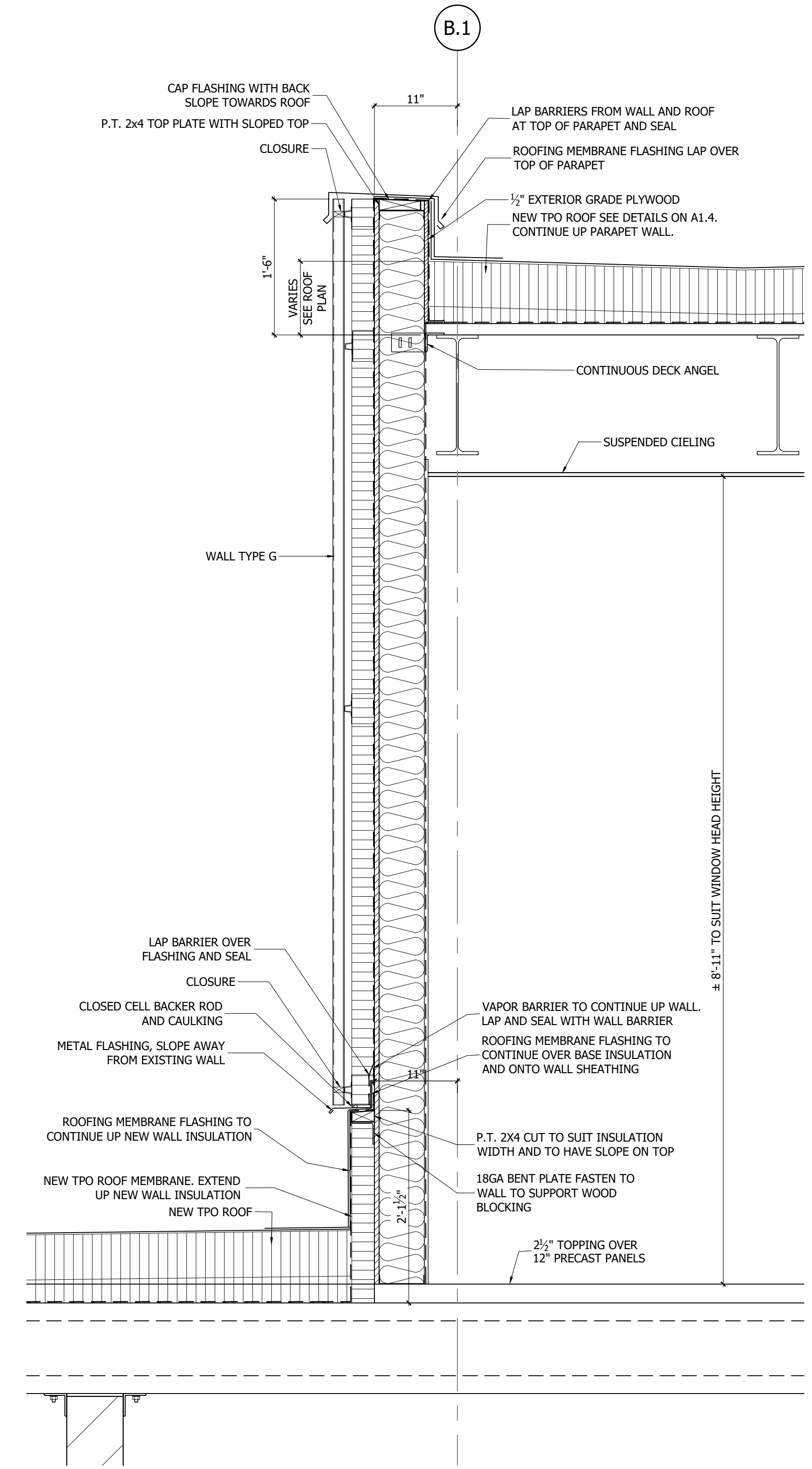
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A1.2,A1.4 SCALE: 1"=1'-0"



12 SECTION  
A1.2,A1.4 SCALE: 1"=1'-0"



20 SECTION  
A1.2 SCALE: 1"=1'-0"



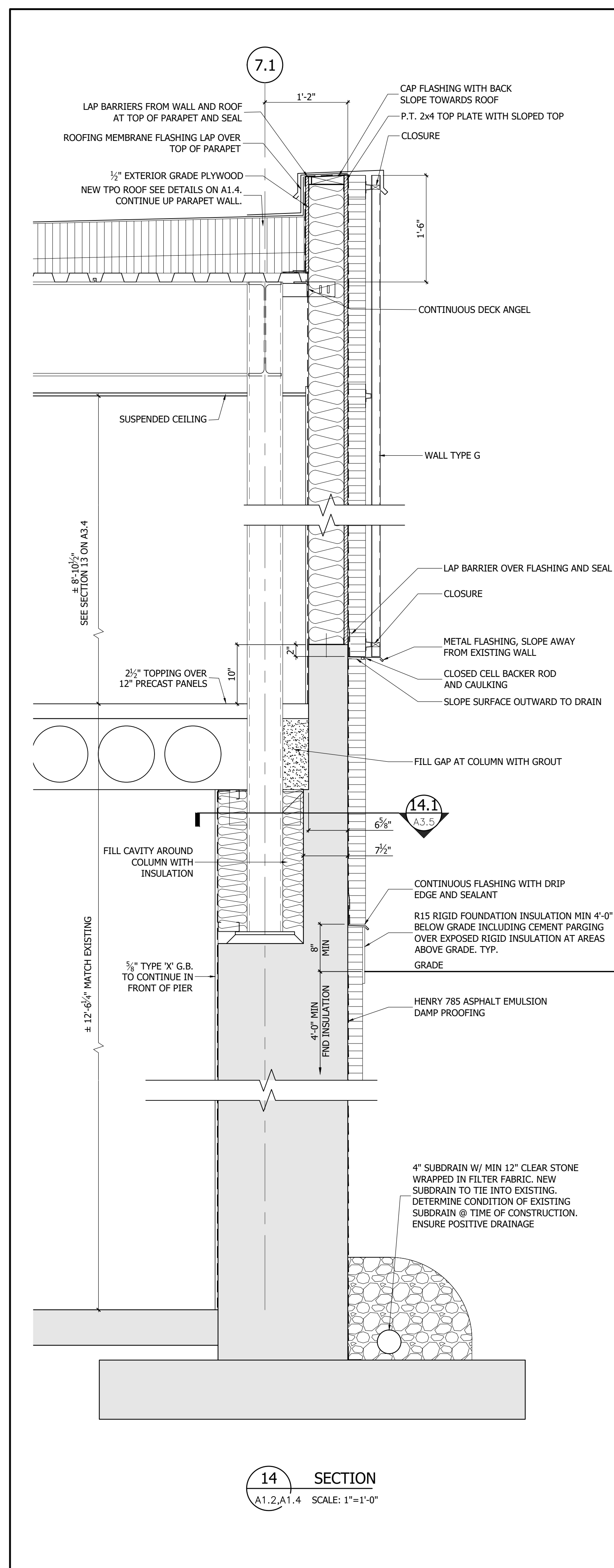
13 SECTION  
A1.4 SCALE: 1"=1'-0"



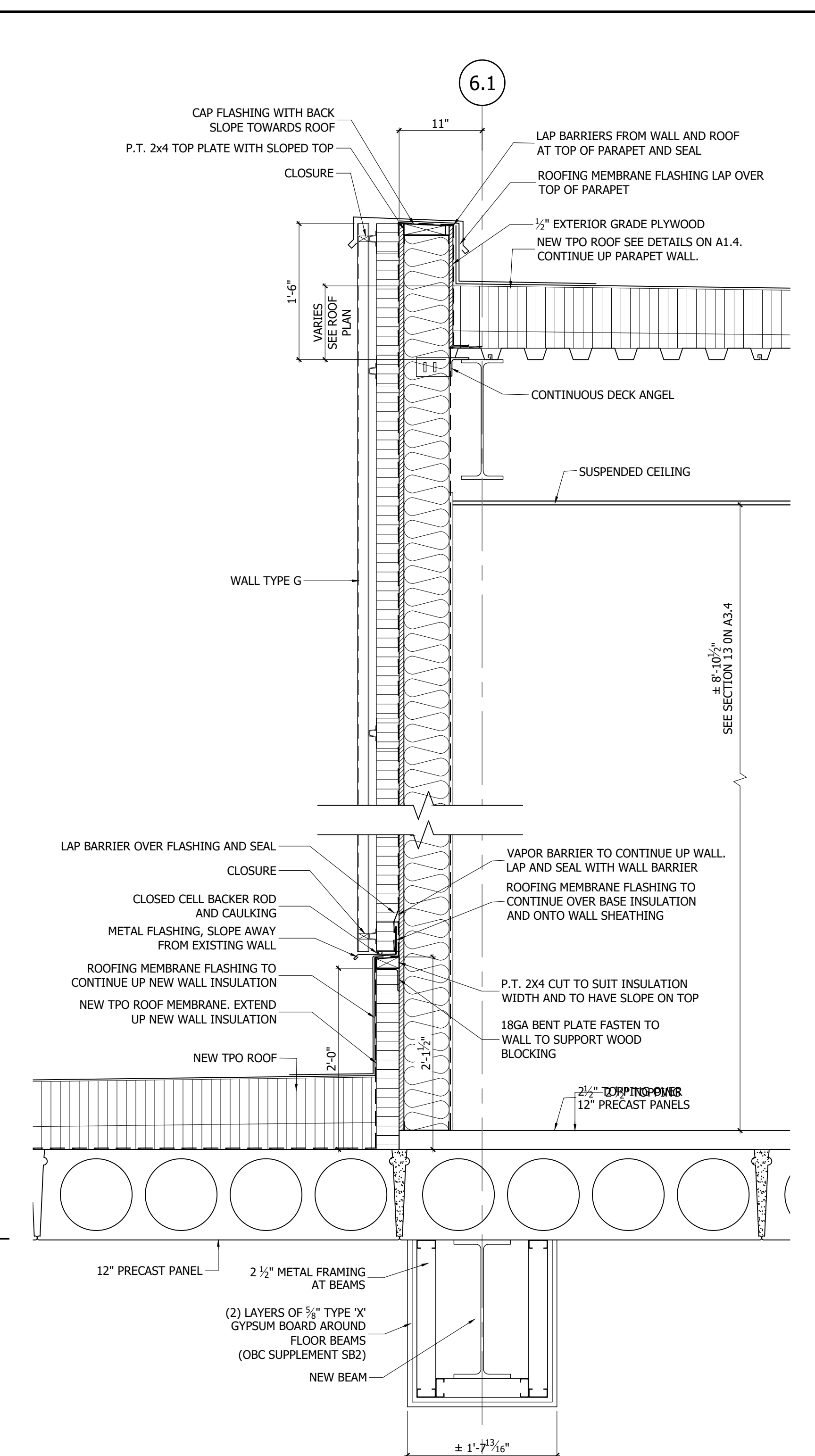
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<input type="checkbox"/>	CONSTRUCTION
DATE	2024-07-24

STAMP	
NORTH ARROW	

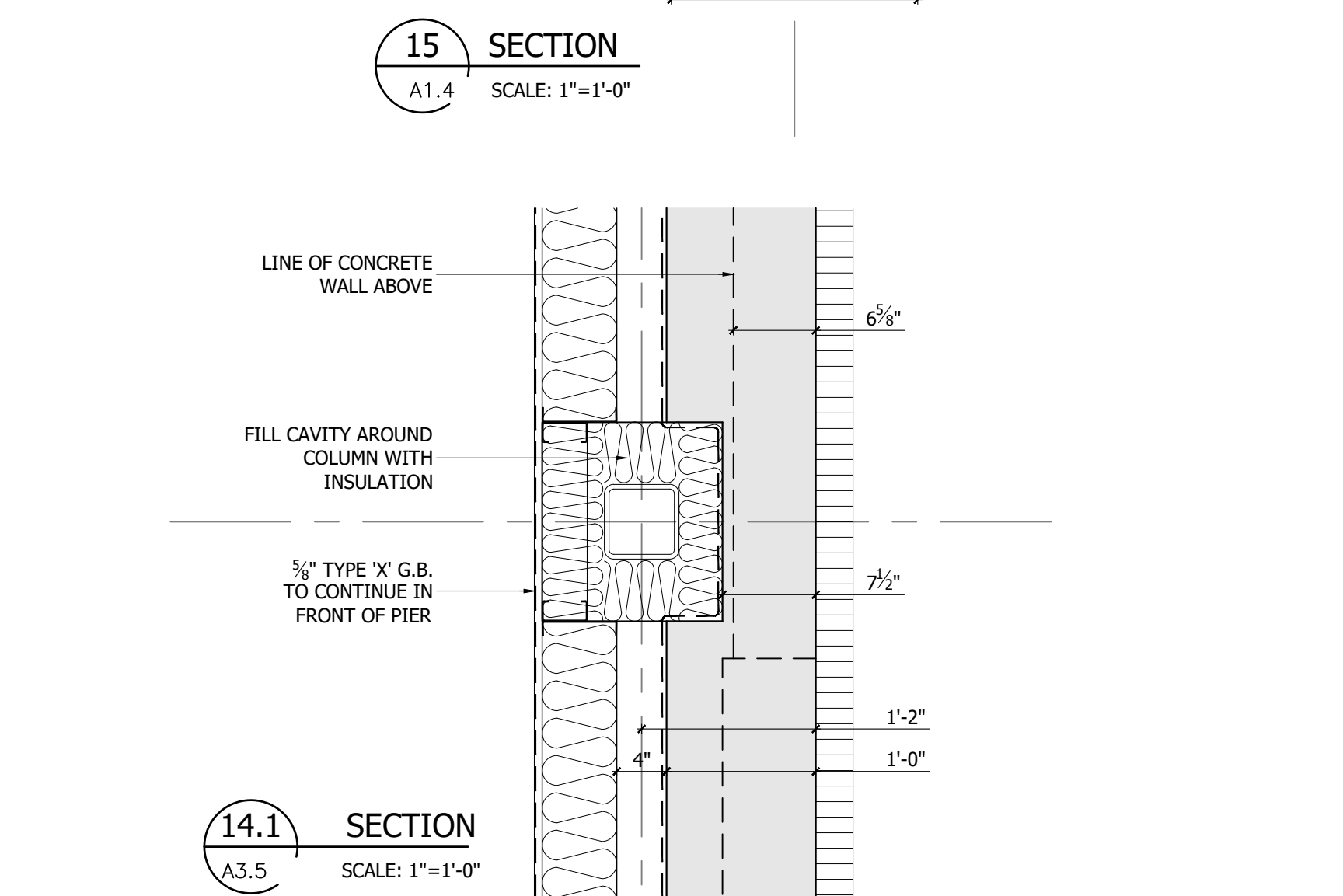
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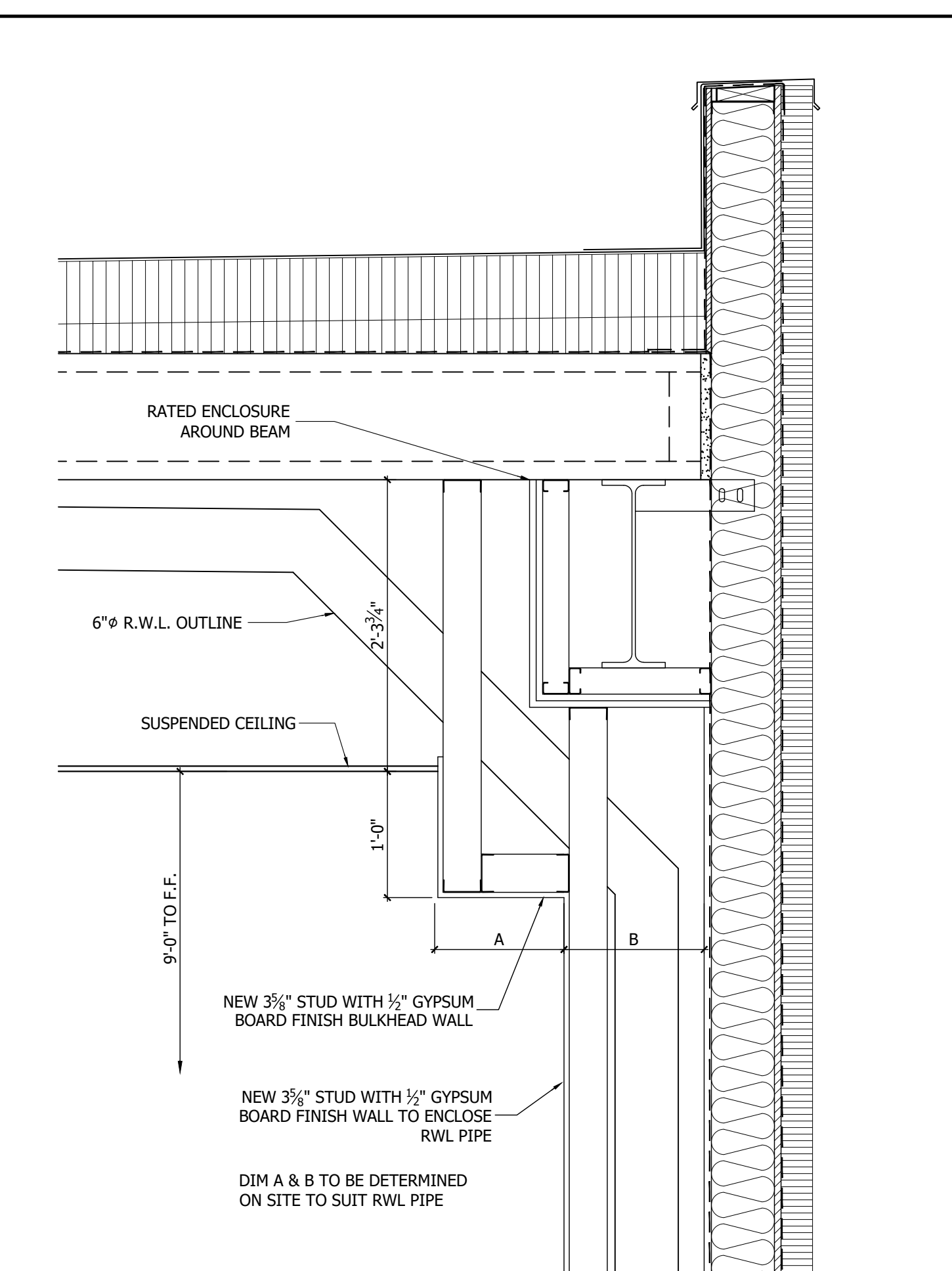
**7.1 SECTION**  
A1.2, A1.4 SCALE: 1"=1'-0"



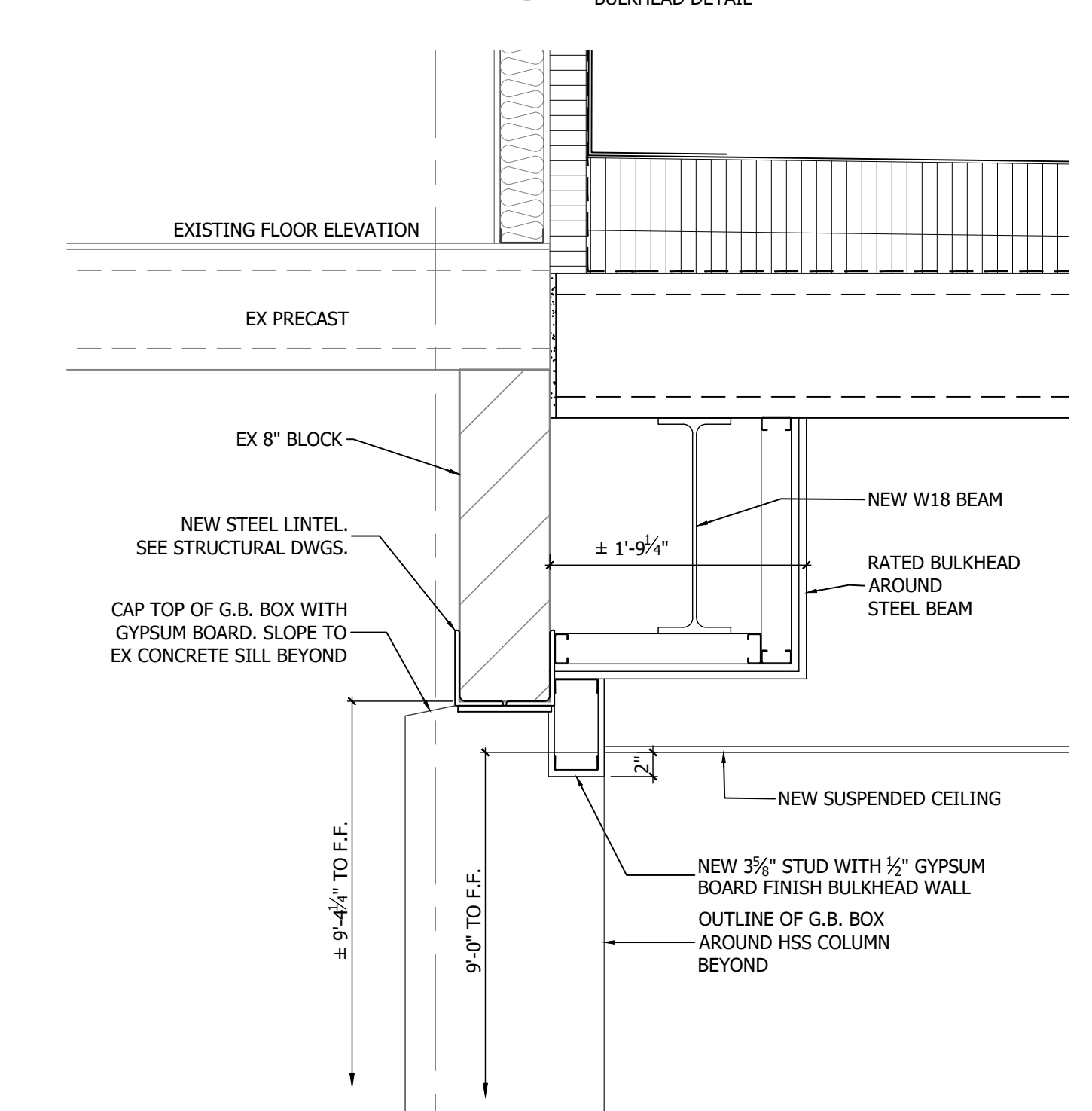
**6.1 SECTION**  
A1.5 SCALE: 1"=1'-0"



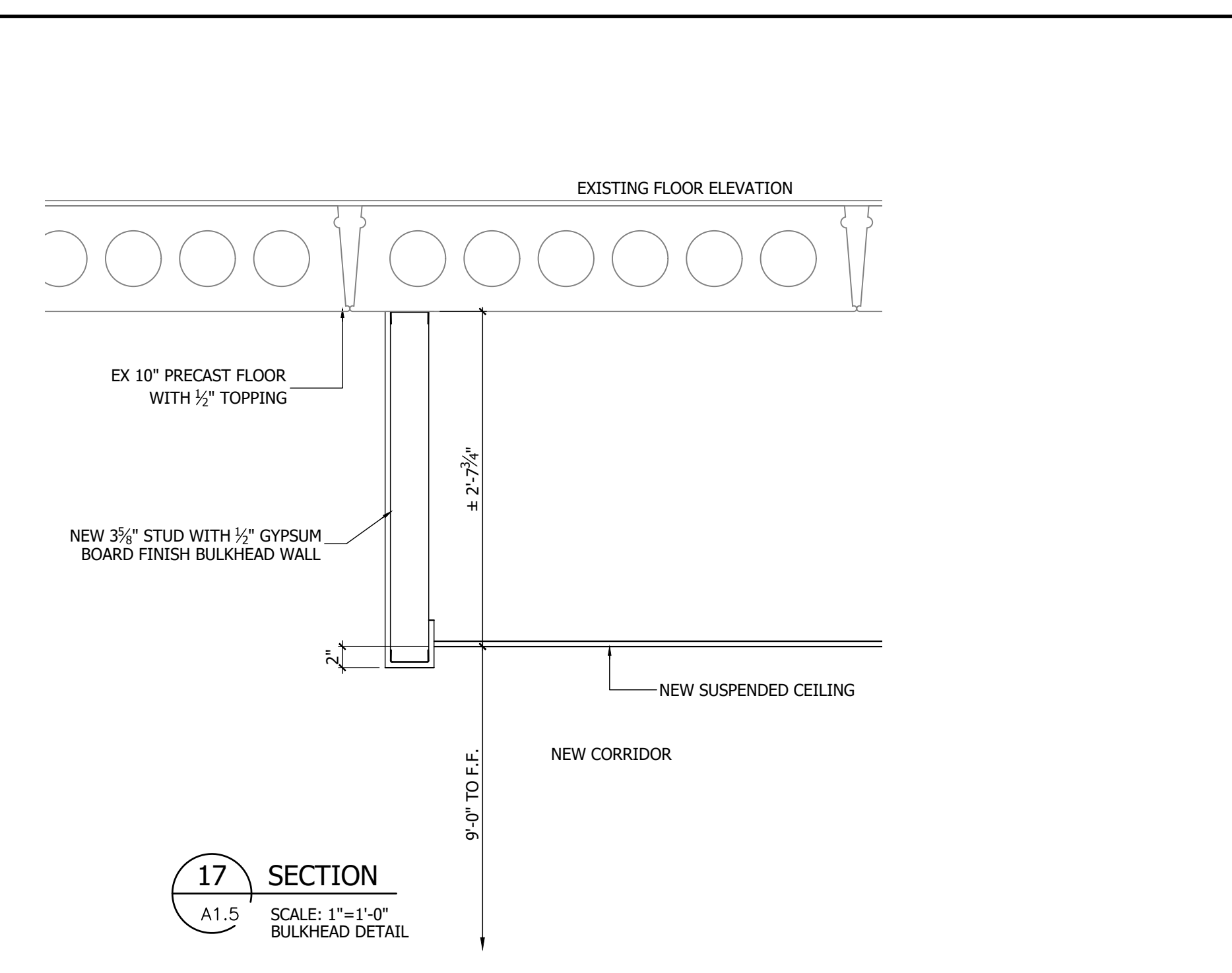
**14.1 SECTION**  
A3.5 SCALE: 1"=1'-0"



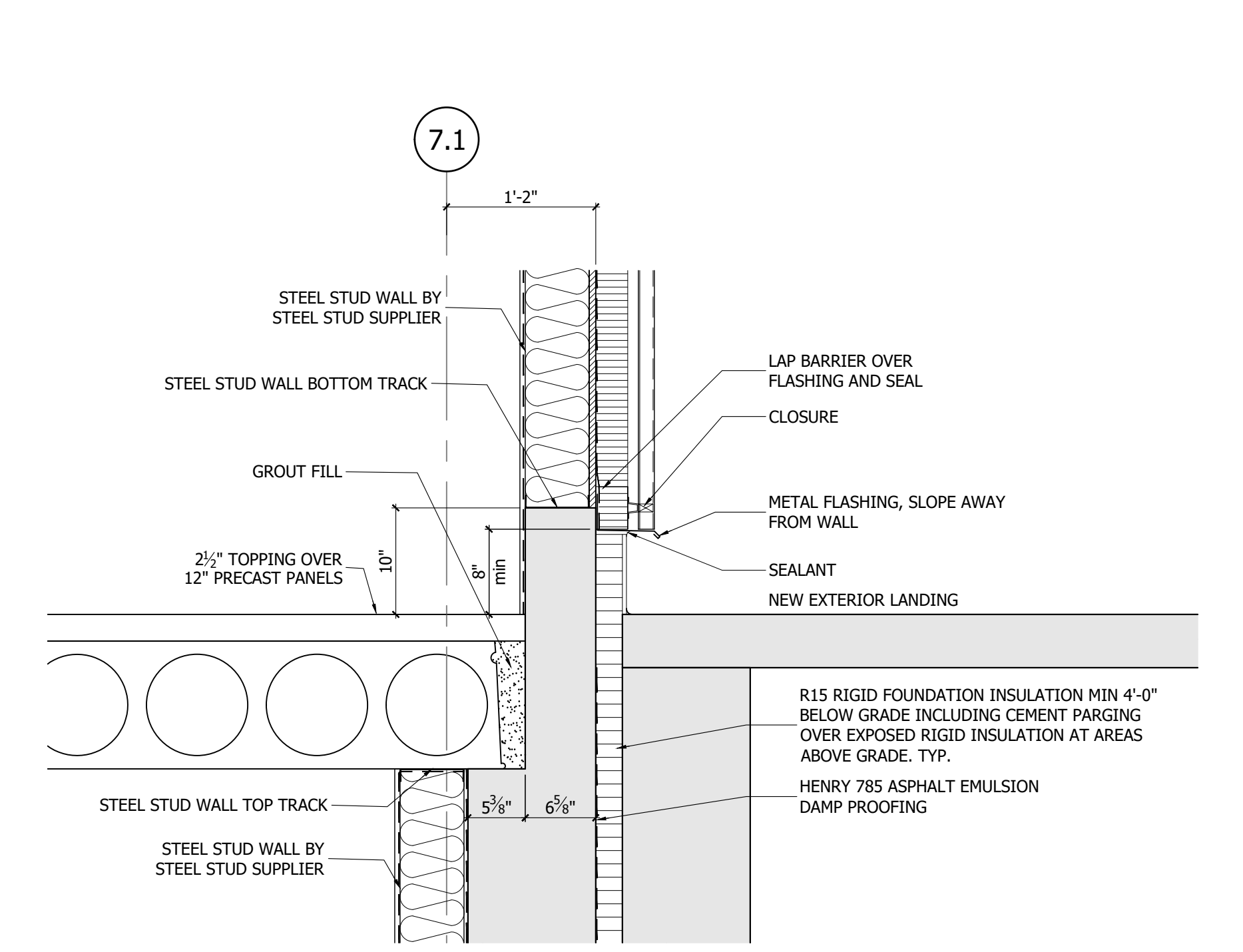
**16 SECTION**  
A1.5 SCALE: 1"=1'-0" BULKHEAD DETAIL



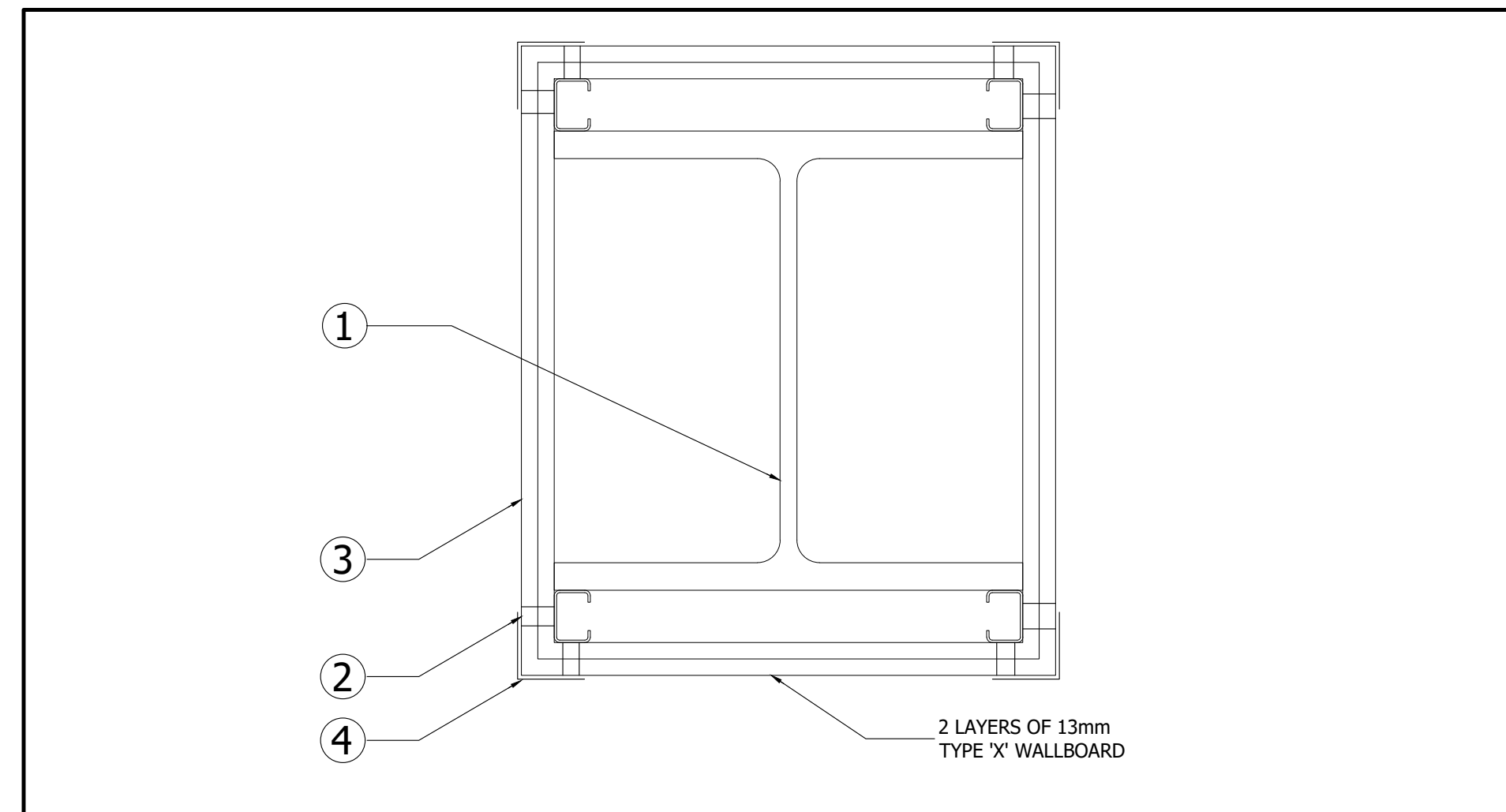
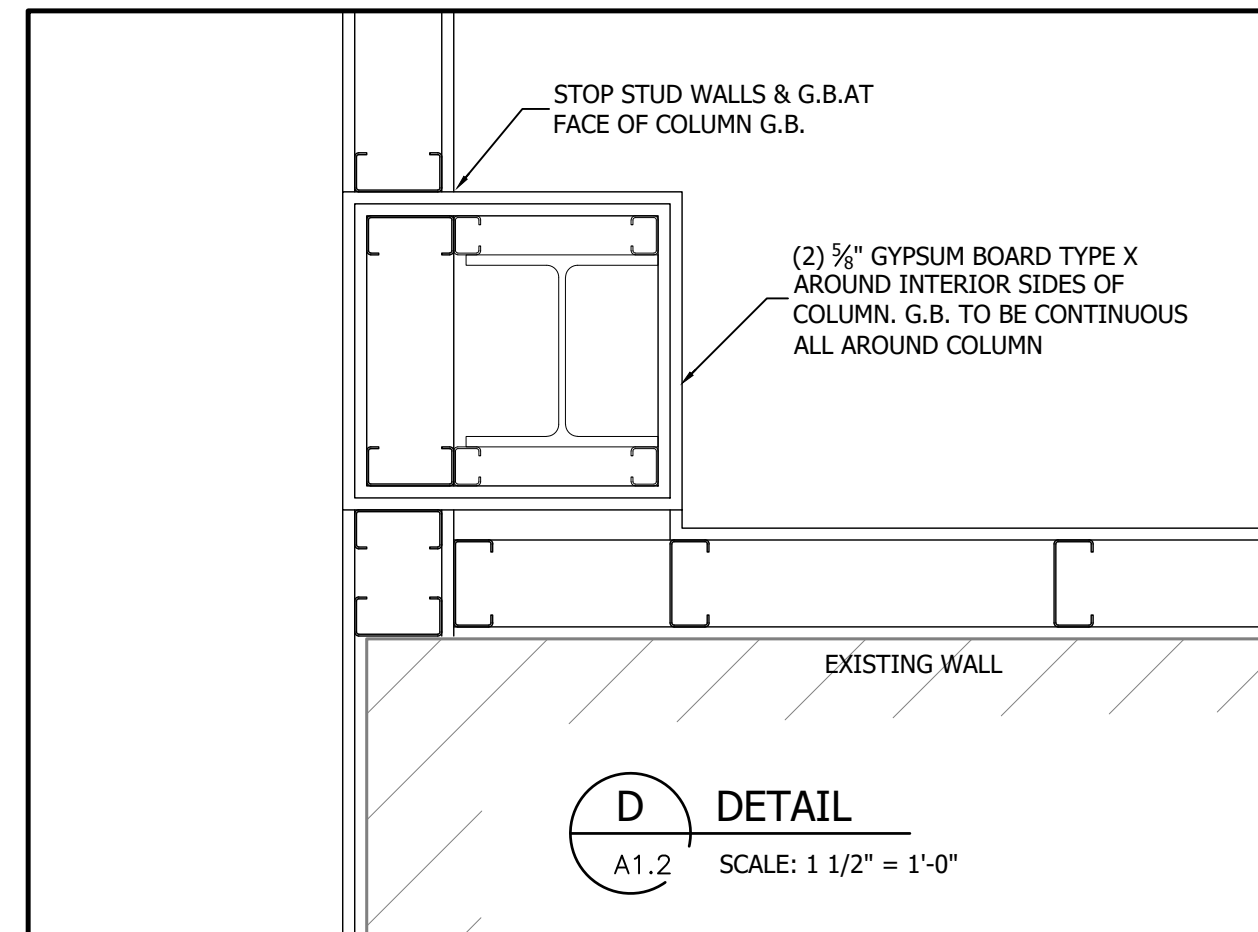
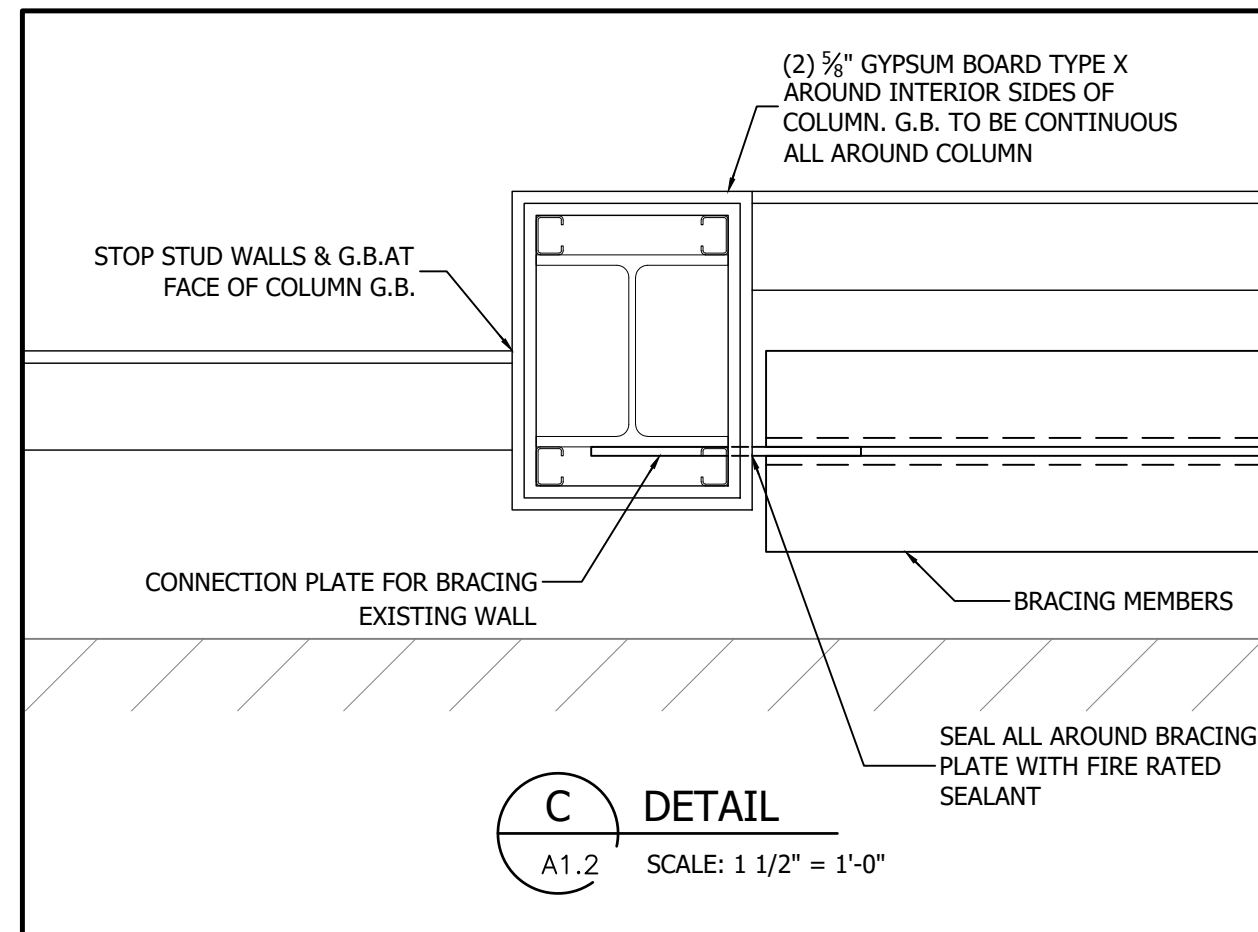
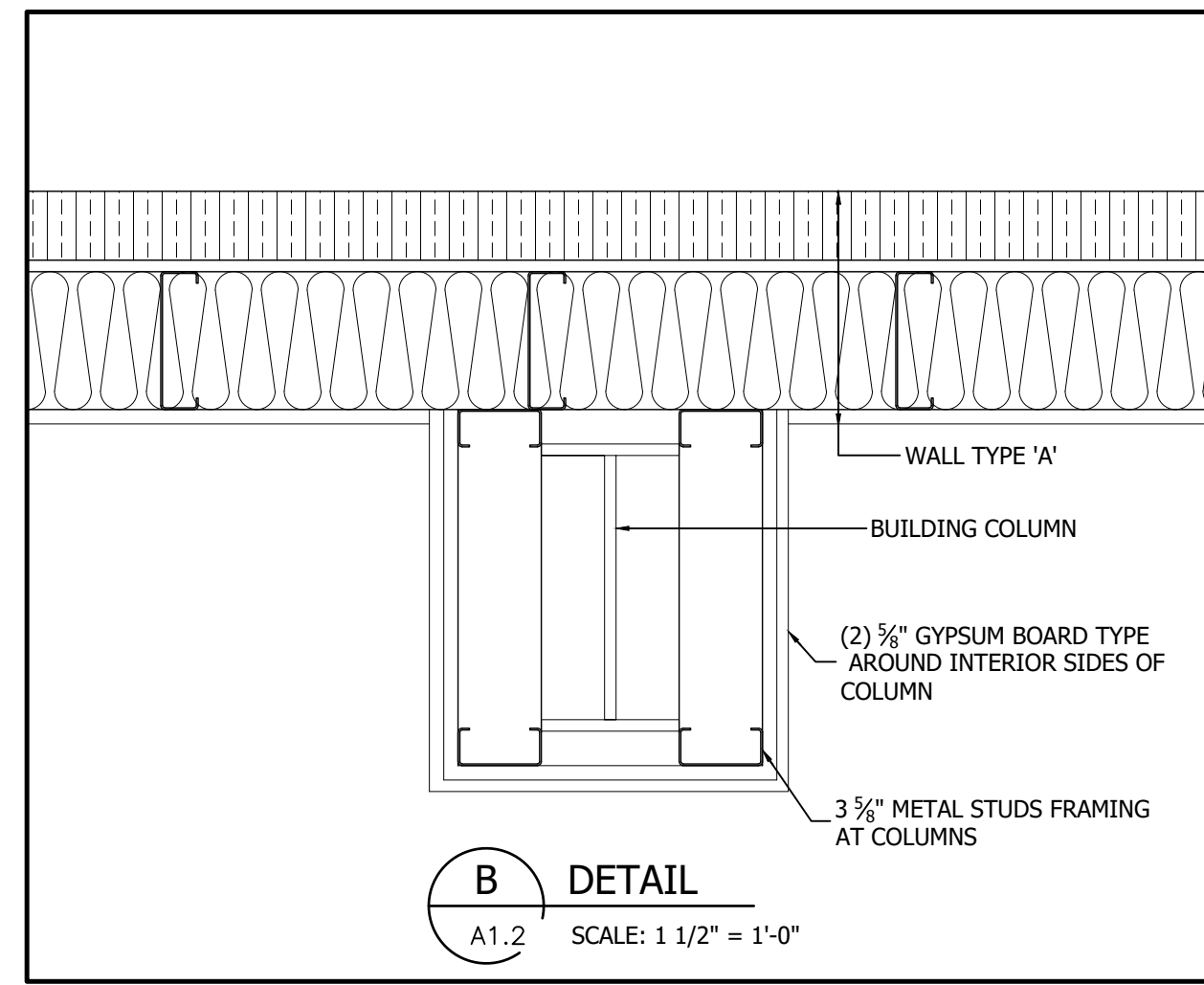
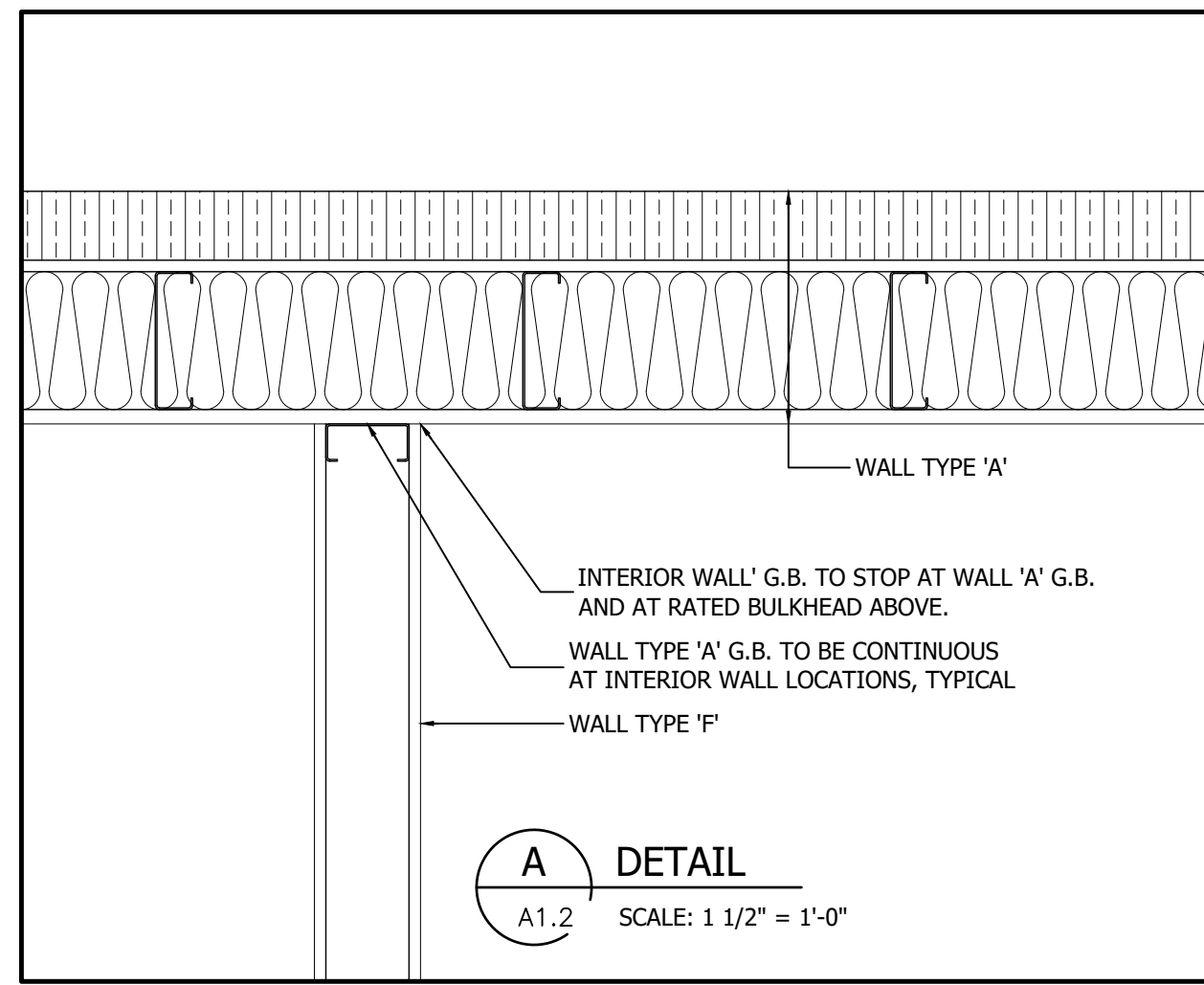
**18 SECTION**  
A1.5 SCALE: 1"=1'-0" BULKHEAD DETAIL



**17 SECTION**  
A1.5 SCALE: 1"=1'-0" BULKHEAD DETAIL



**19 SECTION**  
A1.4 SCALE: 1"=1'-0"

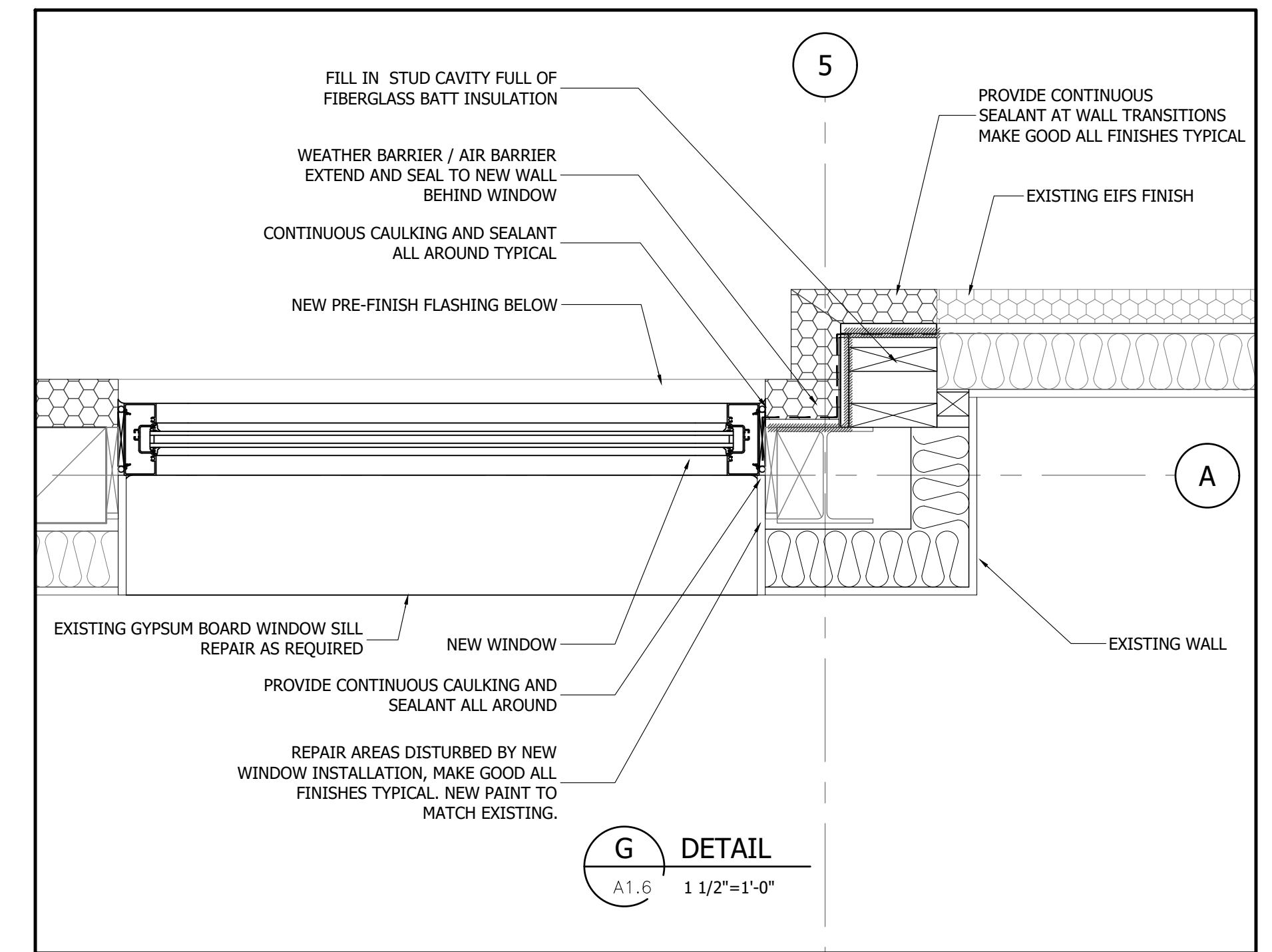
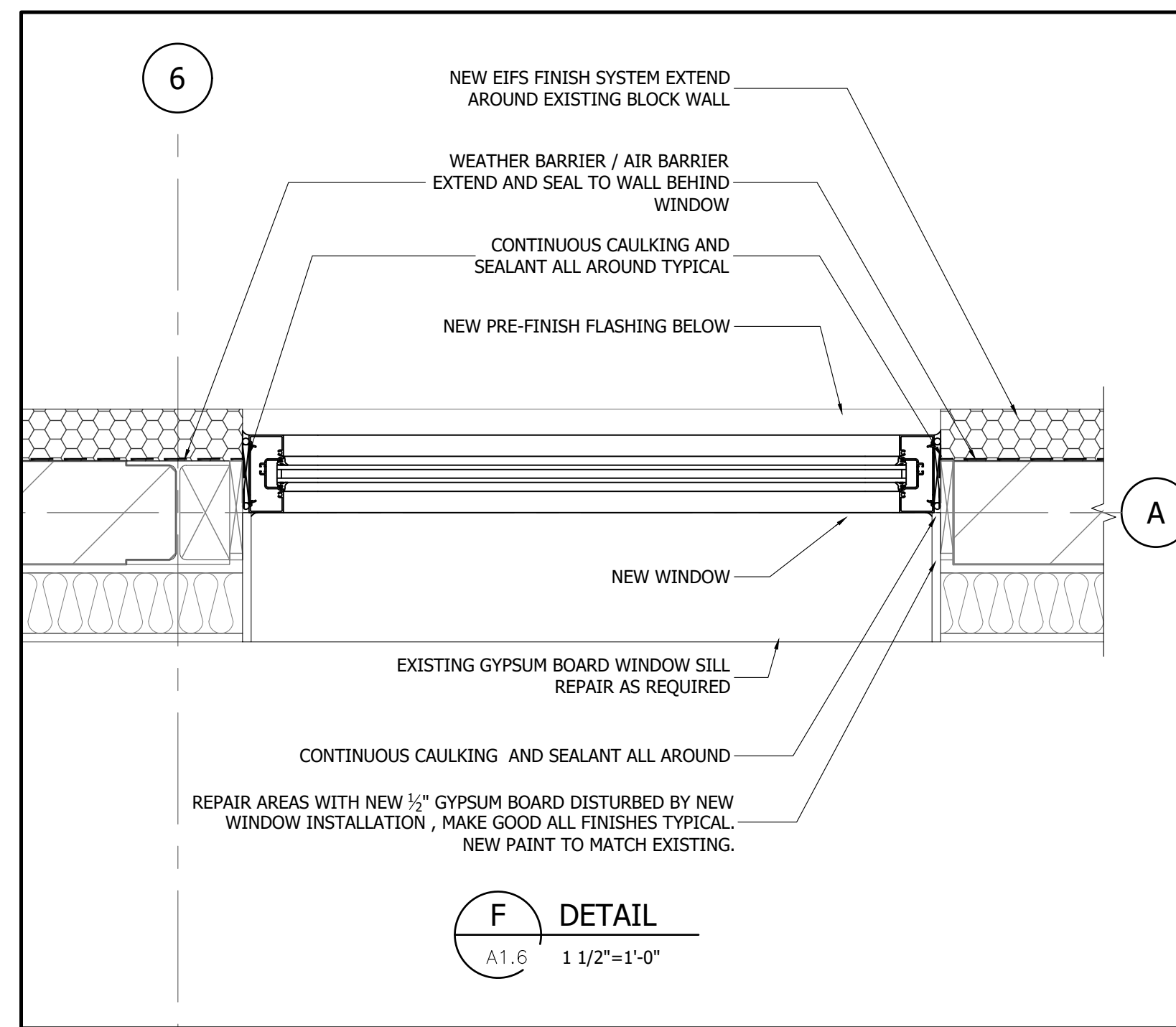
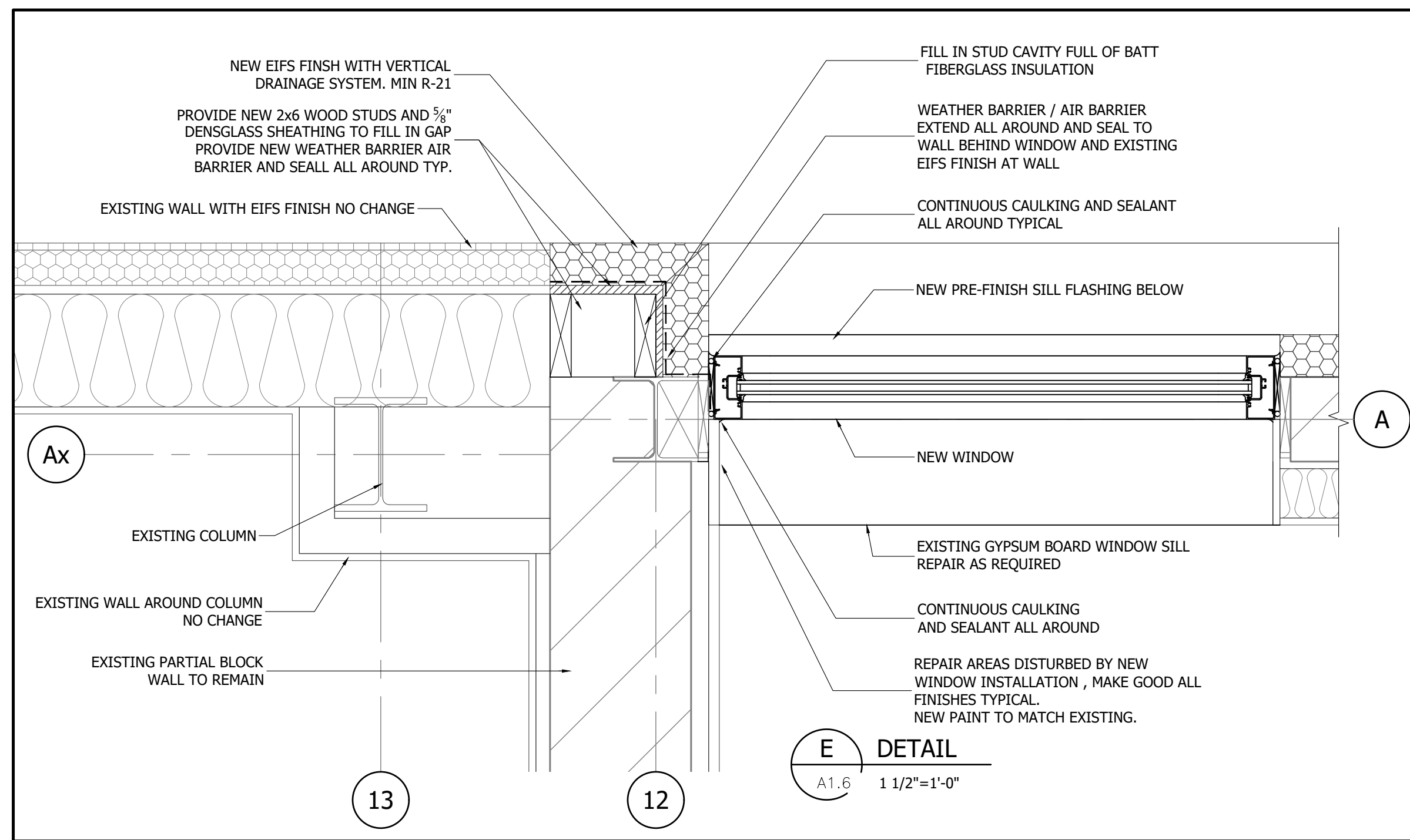


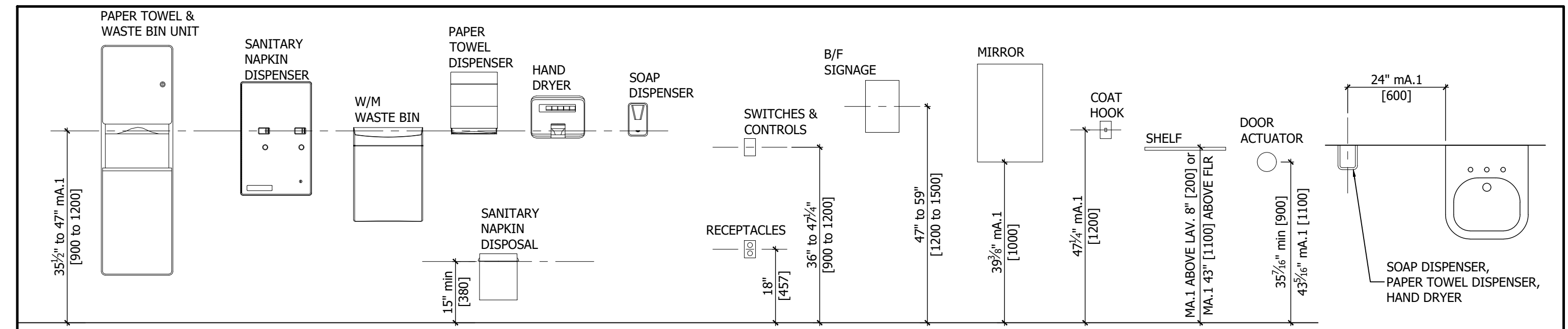
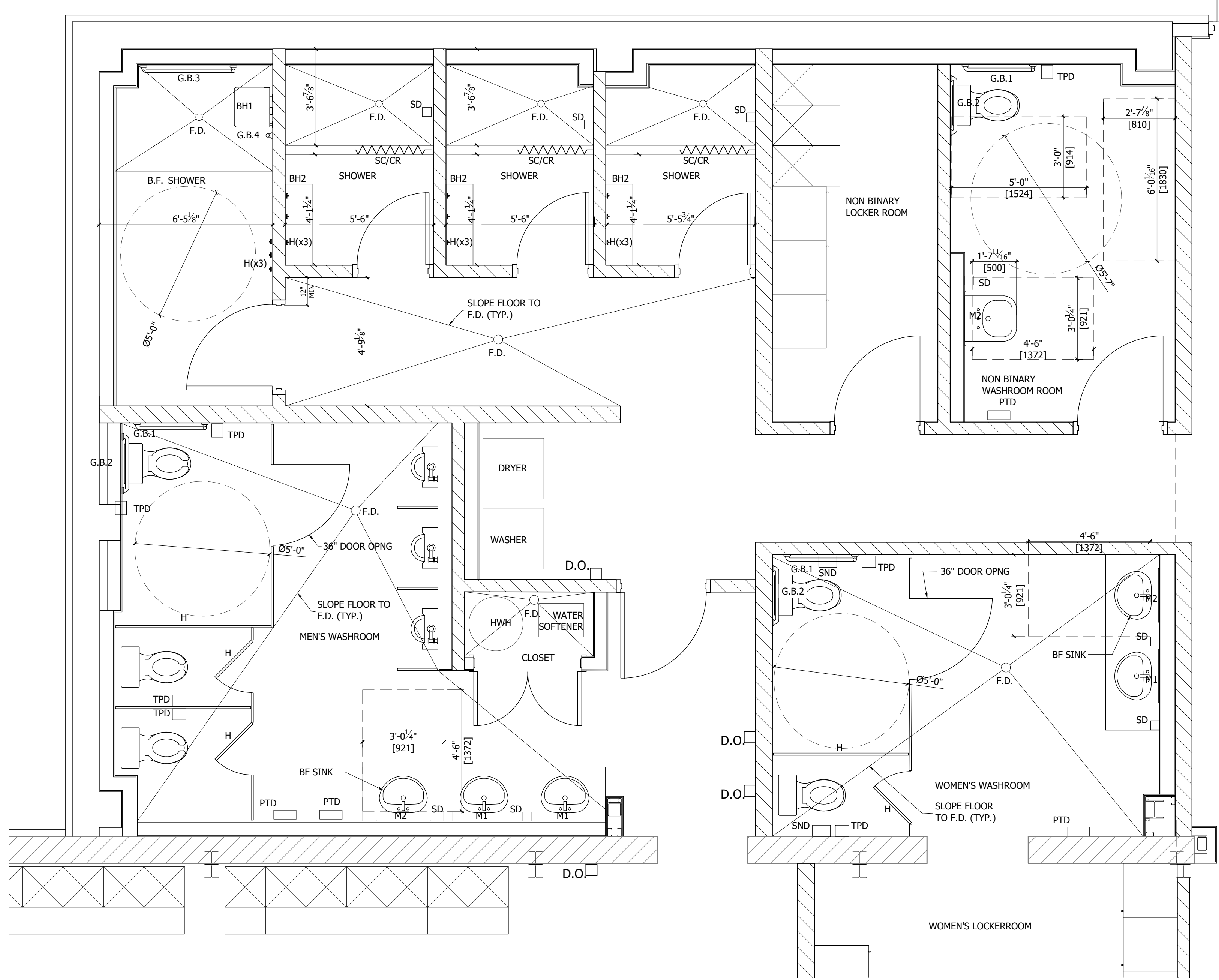
**2.6.5 SB-2 OBC ATTACHMENT OF GYPSUM BOARD TO COLUMN - 1H RATED COLUMNS**

COLUMNS PROTECTED BY TYPE 'X' GYPSUM WALLBOARD WITHOUT SHEET-STEEL MEMBRANE

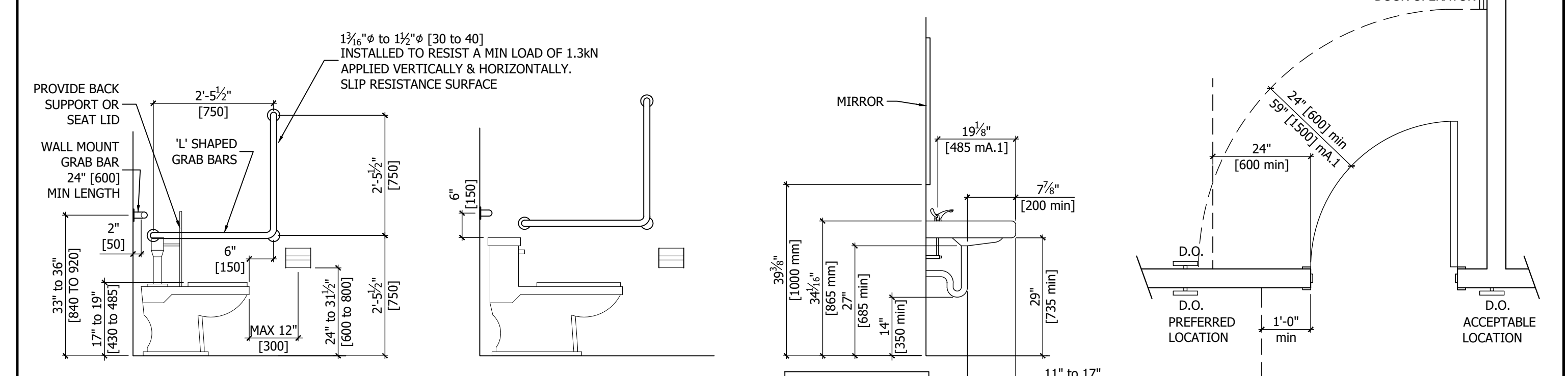
- (1) WHERE TYPE 'X' GYPSUM WALLBOARD IS USED TO PROTECT A STEEL COLUMN WITHOUT AN OUTSIDE SHEET-STEEL MEMBRANE, THE METHOD OF WALLBOARD ATTACHMENT TO THE COLUMN SHALL BE AS SHOWN ABOVE.
- (2) THE TYPE 'X' GYPSUM WALLBOARD SHALL BE APPLIED VERTICALLY WITHOUT HORIZONTAL JOINTS.
- (3) THE FIRST LAYER OF WALLBOARD SHALL BE ATTACHED TO STEEL STUDS WITH SCREWS SPACED NOT MORE THAN 610mm O.C AND OTHER LAYERS OF WALLBOARD SHALL BE ATTACHED TO STEEL STUDS AND STEEL CORNER BEADS WITH SCREWS SPACED AT A MAXIMUM OF 305 mm O.C. WHERE A SINGLE LAYER OF WALLBOARD IS USED, ATTACHMENT SCREWS SHALL BE SPACED NOT MORE THAN 305mm O.C.
- (4) STEEL TIE WIRES SPACED AT A MAXIMUM OF 610mm O.C SHALL BE USED TO SECURE THE SECOND LAST LAYER OF WALLBOARD
- (5) STUDS SHALL BE FABRICATED OF GALVANIZED STEEL NOT LESS THAN 0.53mm THICK AND NOT LESS 41.3mm WIDE, WITH LEGS NOT LESS THAN 33.3mm LONG AND SHALL BE 12.7mm LESS THAN THE ASSEMBLY HEIGHT.
- (6) CORNER BEADS SHALL
  - (a) BE FABRICATED OF GALVANIZED STEEL THAT IS NOT LESS THAN 0.41mm THICK.
  - (b) HAVE LEGS NOT LESS THAN 31mm LONG.
  - (c) BE ATTACHED TO THE WALLBOARD OR STUD WITH 25.4mm SCREWS SPACED NOT MORE THAN 305mm O.C AND
  - (d) HAVE THE ATTACHING FASTENERS PENETRATE EITHER ANOTHER CORNER BEAD IN MULTIPLE LAYER ASSEMBLIES OR THE STEEL STUD MEMBER.

- NOTES:
- ROOF PANELS (FUTURE FLOOR) TO HAVE 2HR RATING.
  - CONTRACTOR TO PROVIDE OPTION PRICE TO SPRAY NEW COLUMNS AND BEAMS WITH INTUMESCENT COATING TO OBTAIN 2HR RATING. PROVIDE ULC DESIGN NUMBERS WITH QUOTE.
  - OWNER TO SUPPLY AND INSTALL NEW LOCKERS AND BENCHES IN LOCKER ROOM.
  - WORK IN EXISTING BUILDING TO BE DONE AFTER ADDITION IS COMPLETED.





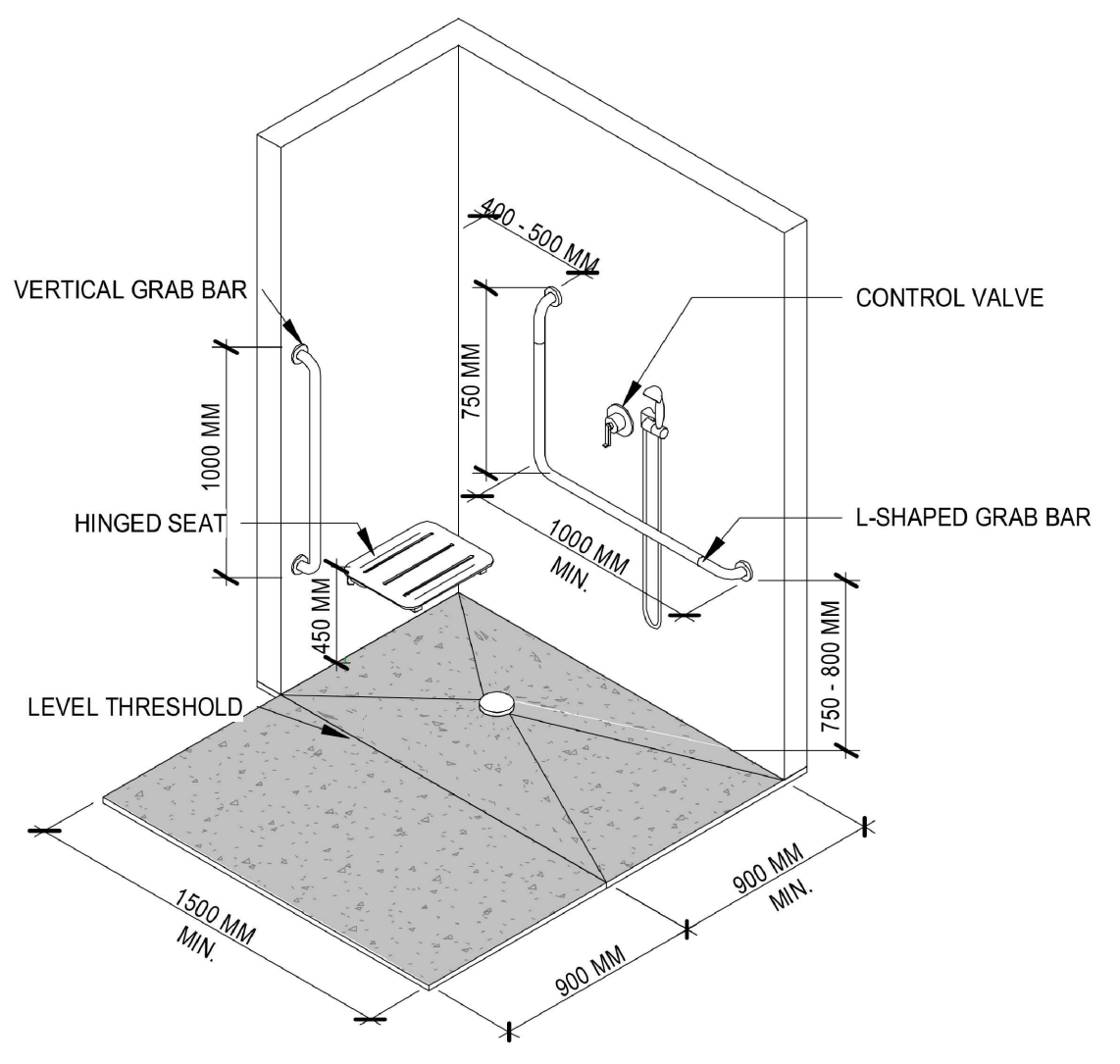
**BARRIER FREE ACCESSIBLE HEIGHT (NTS)**



**BARRIER FREE W.C. & LAVATORY REQUIREMENTS (NTS)**

- PROVIDE LEVER TYPE HANDLE FOR BARRIER FREE ACCESSIBILITY. LEVER HANDLE TO HAVE END RETURN TOWARDS DOOR AND BE BETWEEN 900 TO 1000 ABOVE FINISHED FLOOR.
  - PROVIDE BARRIER FREE SIGNAGE IN ACCORDANCE WITH OBC 3.8.3. LOCATIONS TO BE DETERMINED ON SITE.
  - MOUNT ALL SWITCHES AND CONTROLS AT HEIGHTS SHOWN IN ABOVE DETAIL.
  - WASHROOM DOORS WITH AN OUTWARD SWING TO COMPLY WITH OBC 3.8.3.12 (1)(b) AND (1)(i).
  - POWER DOOR OPERATOR TO BE IN ACCORDANCE TO O.B.C. 3.8.3.3.(16) & (17)
  - DOOR TO BE CAPABLE OF LOCKING FROM INSIDE AND RELEASED FROM THE OUTSIDE IN CASE OF EMERGENCY (FOR UNIVERSAL WASHROOMS)
- EMERGENCY CALL SYSTEM (FOR UNIVERSAL WASHROOMS) OBC 3.8.3.12 (2)
- BARRIER FREE WASHROOM TO BE EQUIPPED WITH EMERGENCY CALL SYSTEM
  - SYSTEM TO INCLUDE AUDIBLE & VISUAL DEVICES INSIDE & OUTSIDE WASHROOM
  - SYSTEM TO BE ACTIVATED BY BUTTON WITHIN WASHROOM
  - BUTTON TO BE LABELED WITH SIGN WHICH READS **"IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE & VISUAL SIGNAL WILL ACTIVATE"**

**BARRIER FREE SHOWER DETAILS & NOTES**  
REF: OBC DIVISION B PART 3 3.8.3.13.



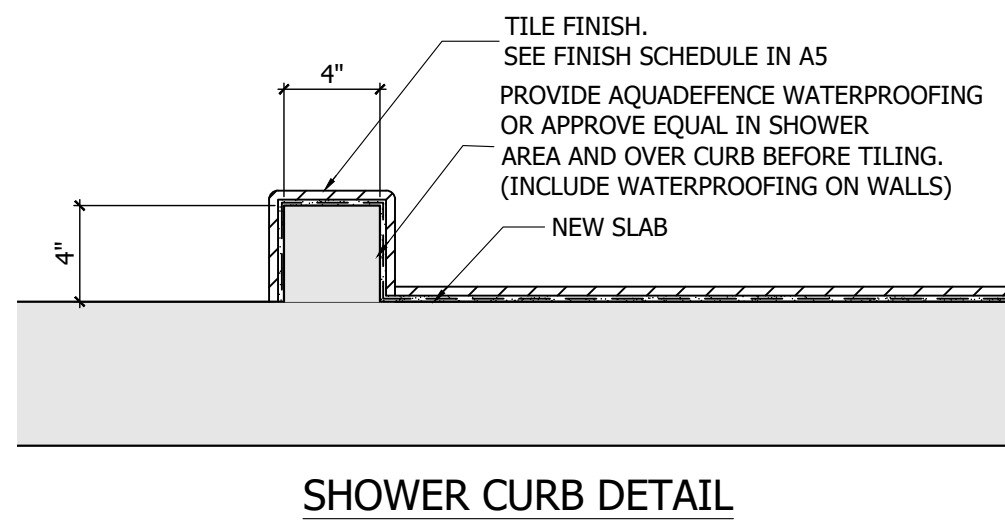
- EXCEPT WITHIN A SUITE OF RESIDENTIAL OCCUPANCY, IF SHOWERS ARE PROVIDED IN A BUILDING, THE NUMBER OF BARRIER-FREE SHOWERS SHALL CONFORM TO TABLE 3.8.3.13. (SEE APPENDIX A)
- A BARRIER-FREE SHOWER REQUIRED BY SENTENCE (1) SHALL:
  - BE NOT LESS THAN 1 500 MM WIDE AND 900 MM DEEP.
  - HAVE A CLEAR FLOOR SPACE AT THE ENTRANCE TO THE SHOWER NOT LESS THAN 900 MM DEEP AND THE SAME WIDTH AS THE SHOWER, EXCEPT THAT FIXTURES ARE PERMITTED TO PROJECT INTO THAT SPACE PROVIDED THEY DO NOT RESTRICT ACCESS TO THE SHOWER, (SEE APPENDIX A)
  - HAVE NO DOORS THAT OBSTRUCT THE SHOWER CONTROLS OR THE CLEAR FLOOR SPACE AS DESCRIBED IN CLAUSE (b).
  - HAVE A SLIP-RESISTANT FLOOR SURFACE.
  - HAVE A THRESHOLD THAT IS LEVEL WITH THE ADJACENT FINISHED FLOOR OR A BEVELLED THRESHOLD NOT MORE THAN 13 MM HIGHER THAN THE ADJACENT FINISHED FLOOR.
- HAVE A HINGED SEAT THAT IS NOT SPRING-LOADED OR A FIXED SEAT THAT SHALL BE:
  - NOT LESS THAN 450 MM WIDE AND 400 MM DEEP.
  - BE MOUNTED ON THE SAME SIDE WALL AS THE VERTICAL GRAB BAR BETWEEN 460 MM AND 480 MM ABOVE THE FINISHED FLOOR.
  - BE DESIGNED TO CARRY A MINIMUM LOAD OF 1.3 KN.
  - BE LOCATED SO THAT THE EDGE OF THE SEAT IS WITHIN 500 MM OF THE SHOWER CONTROLS, AND
- HAVE A SMOOTH AND SLIP-RESISTANT SURFACE AND NO ROUGH EDGES (SEE APPENDIX A)
- HAVE TWO GRAB BARS:
  - THAT CONFORM TO SENTENCE 3.8.3.8.(7) AND DO NOT OBSTRUCT THE USE OF THE SHOWER CONTROLS.
  - ONE OF WHICH IS 1000 MM LONG VERTICALLY LOCATED ON THE SIDE WALL BETWEEN 50 MM AND 80 MM FROM THE ADJACENT CLEAR FLOOR AREA, AND WITH THE LOWER END BETWEEN 600 MM AND 650 MM ABOVE THE FINISHED FLOOR, AND
  - ONE OF WHICH IS L-SHAPED, LOCATED ON THE WALL OPPOSITE THE ENTRANCE TO THE SHOWER, WITH A 1000 MM LONG HORIZONTAL COMPONENT MOUNTED BETWEEN 750 MM AND 870 MM ABOVE THE FINISHED FLOOR AND A 750 MM LONG VERTICAL COMPONENT MOUNTED BETWEEN 400 MM AND 500 MM FROM THE SIDE WALL ON WHICH THE VERTICAL GRAB BAR DESCRIBED IN SUBCLAUSE (ii) IS MOUNTED, (SEE APPENDIX A)
- HAVE A PRESSURE-EQUALIZING OR THERMOSTATIC MIXING VALVE THAT:
  - IS OPERABLE USING A CLOSED FIST AND WITH A FORCE OF NOT MORE THAN 22.2N.
  - IS MOUNTED ON THE WALL OPPOSITE THE ENTRANCE TO THE SHOWER NO MORE THAN 1200 MM ABOVE THE FINISHED FLOOR, AND
  - IS LOCATED WITHIN REACH OF THE SEAT
- HAVE A HAND-HELD SHOWER HEAD WITH NOT LESS THAN 1800 MM OF FLEXIBLE HOSE LOCATED SO THAT IT:
  - CAN BE REACHED FROM SEATED POSITION.
  - CAN BE USED IN A FIXED POSITION AT A HEIGHT OF 1200 MM AND 2030 MM FROM THE FINISHED FLOOR, AND
  - DOES NOT OBSTRUCT THE USE OF THE GRAB BARS, AND
  - HAVE A FULLY RECESSED SOAP HOLDERS THAT CAN BE REACHED FROM THE SEATED POSITION.
- ALL OTHER CONTROLS INSTALLED IN A SHOWER DESCRIBED IN SENTENCE (2) SHALL COMPLY WITH SUBCLAUSES (2)(H)(i) TO (iii)
- INDIVIDUAL SHOWERS THAT ARE PROVIDED FOR USE BY PATIENTS OR RESIDENTS IN BUILDINGS OF GROUP B, DIVISION 2 OR 3 OCCUPANCY SHALL CONFORM TO SENTENCE (2).

**WASHROOM ACCESSORY LEGEND**

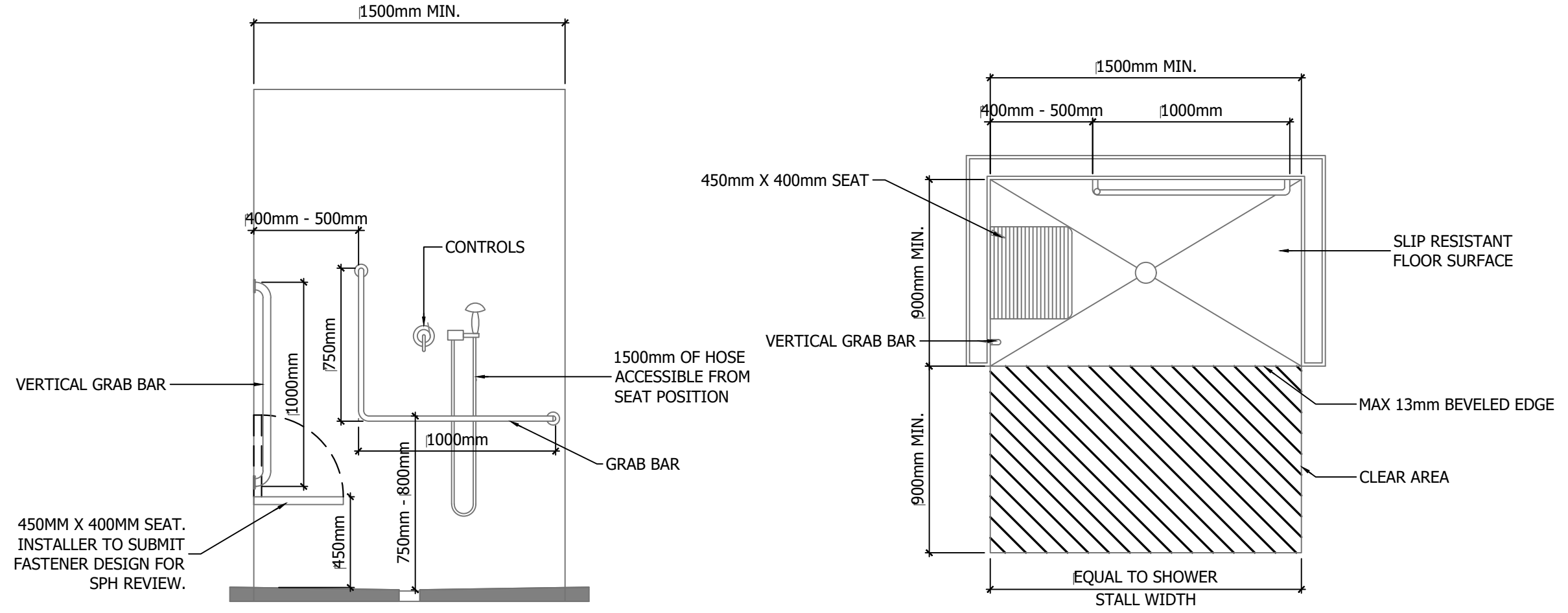
- OWNER TO SUPPLY ACCESSORIES. GENERAL CONTRACTOR TO INSTALL.
- M1 - 24"x36" MIRROR
  - M2 - 24x36" MIRROR TO MEET B.F. REQUIREMENTS
  - G.B.1 - "L" GRAB BAR
  - G.B.2 - HORIZONTAL GRAB BAR
  - G.B.3 - B.F. SHOWER GRAB BAR
  - G.B.4 - B.F. VERTICAL GRAB BAR
  - PTD - PAPER TOWEL DISPENSER
  - TPD - TOILET PAPER DISPENSER
  - SNV - SANITARY NAPKIN VENDOR
  - SND - SANITARY NAPKIN DISPOSAL
  - WR - WASTE RECEPTACLE
  - SD - SURFACE MOUNTED SOAP DISPENSER
  - H - SAFETY COAT HOOK
  - SC.CR - SHOWER CURTAIN, CURTAIN ROD
  - BR1 - HINGED SEAT DESIGN TO CARRY 1.3 KN MIN LOAD TO MEET B/F REQUIREMENTS
  - BR2 - 12"x36" BENCH

**ENLARGED WASHROOM PLAN**

SCALE: 3/16" = 1'-0"



**SHOWER CURB DETAIL**



**BARRIER FREE SHOWER PLAN & ELEVATION**

CLIENT  
**CITY OF WOODSTOCK**  
ENGINEERING BLDG  
944 JAMES ST

PROJECT  
**ADDITION AND RENOVATION**

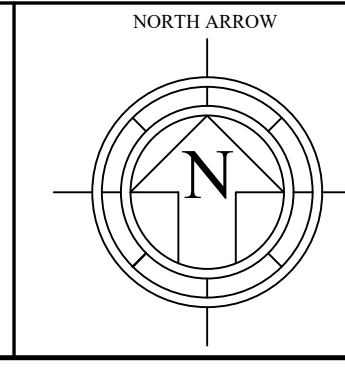
DRAWING  
**ENLARGED WASHROOM PLAN**



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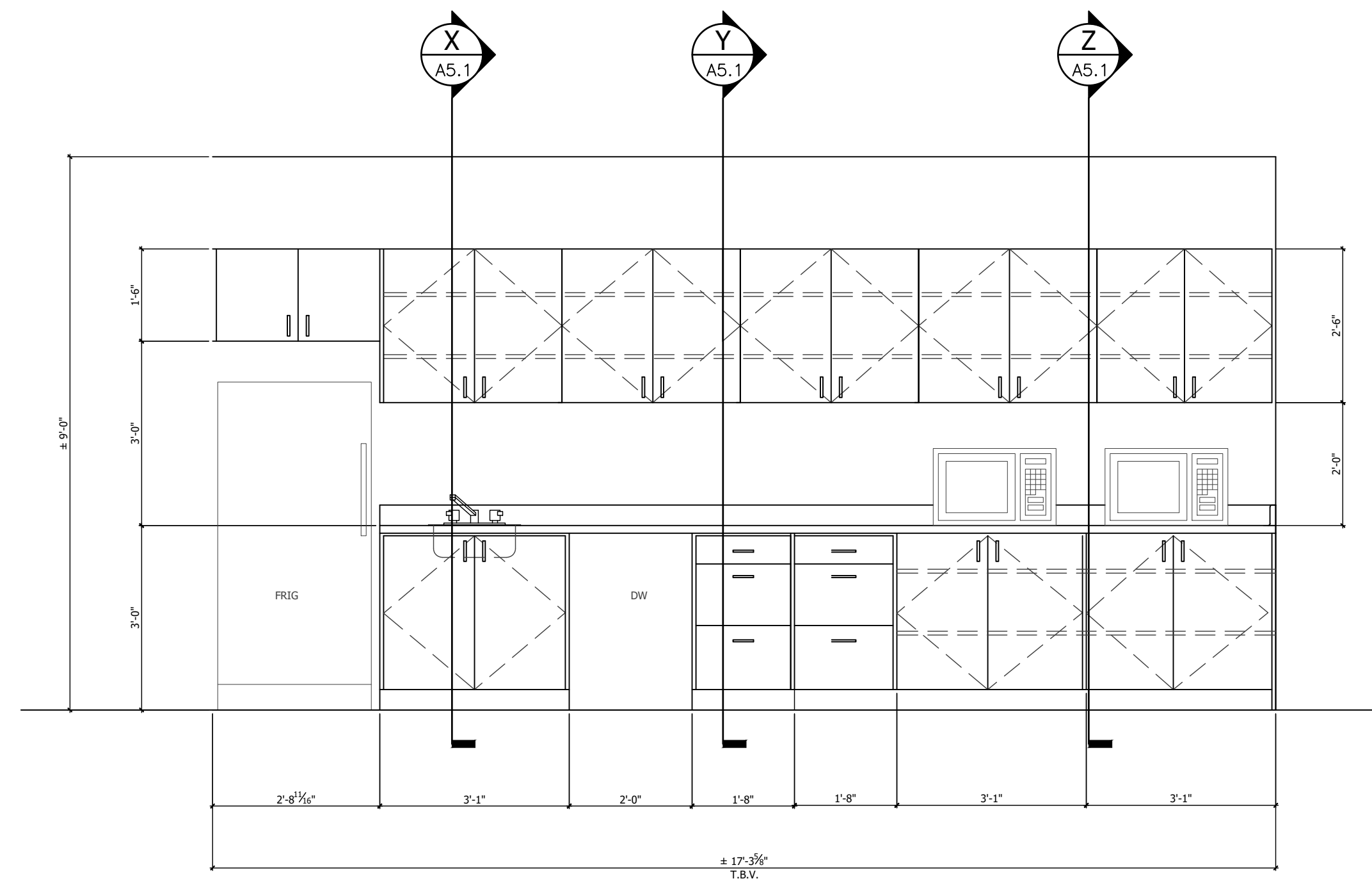
485037 SWEABURG ROAD  
WOODSTOCK, ONTARIO  
N4S 7V6

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<input type="checkbox"/> SITE PLAN APPROVAL	
<input type="checkbox"/> BUILDING PERMIT	
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DATE 2024-07-24	

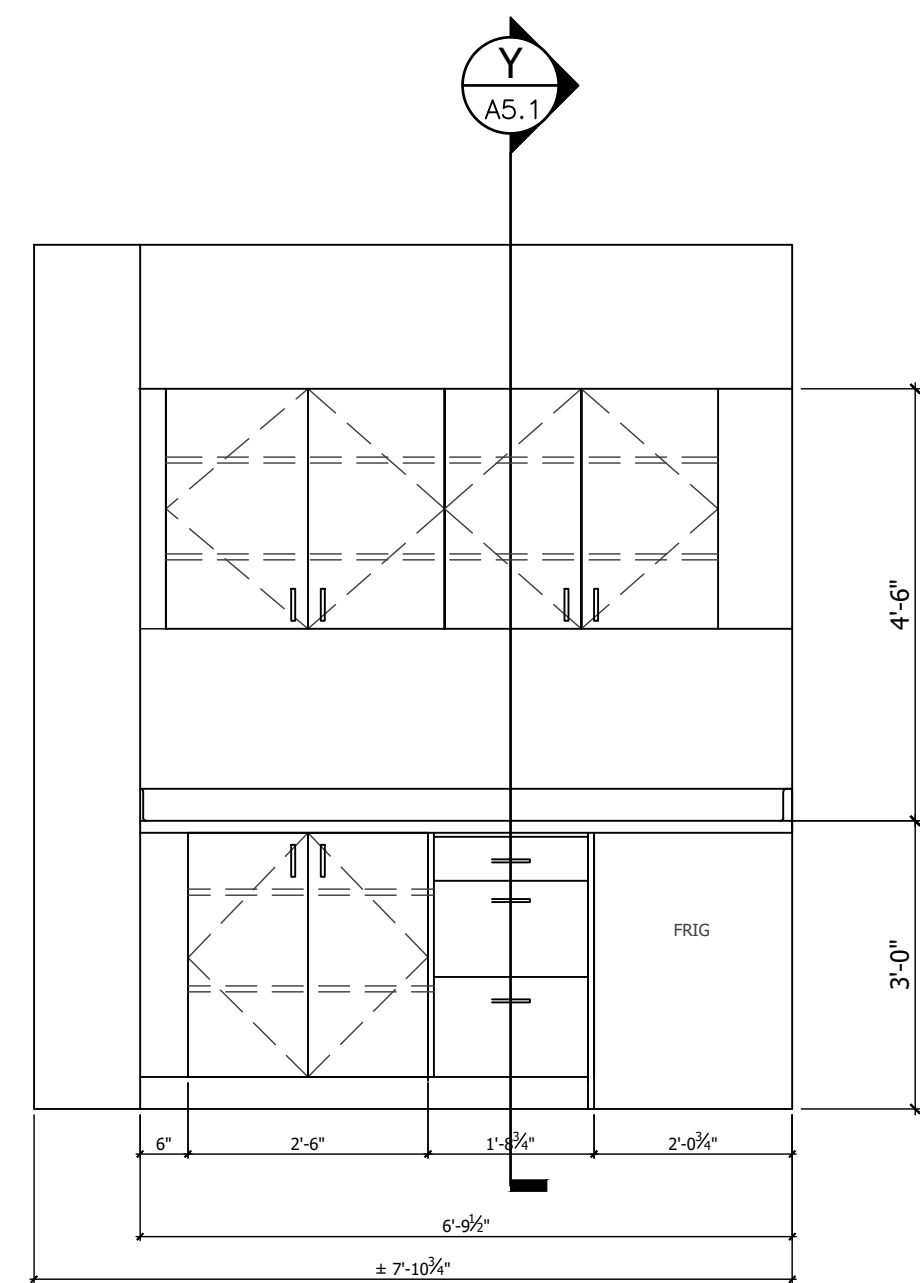


REV.	BY	DESCRIPTION	DATE

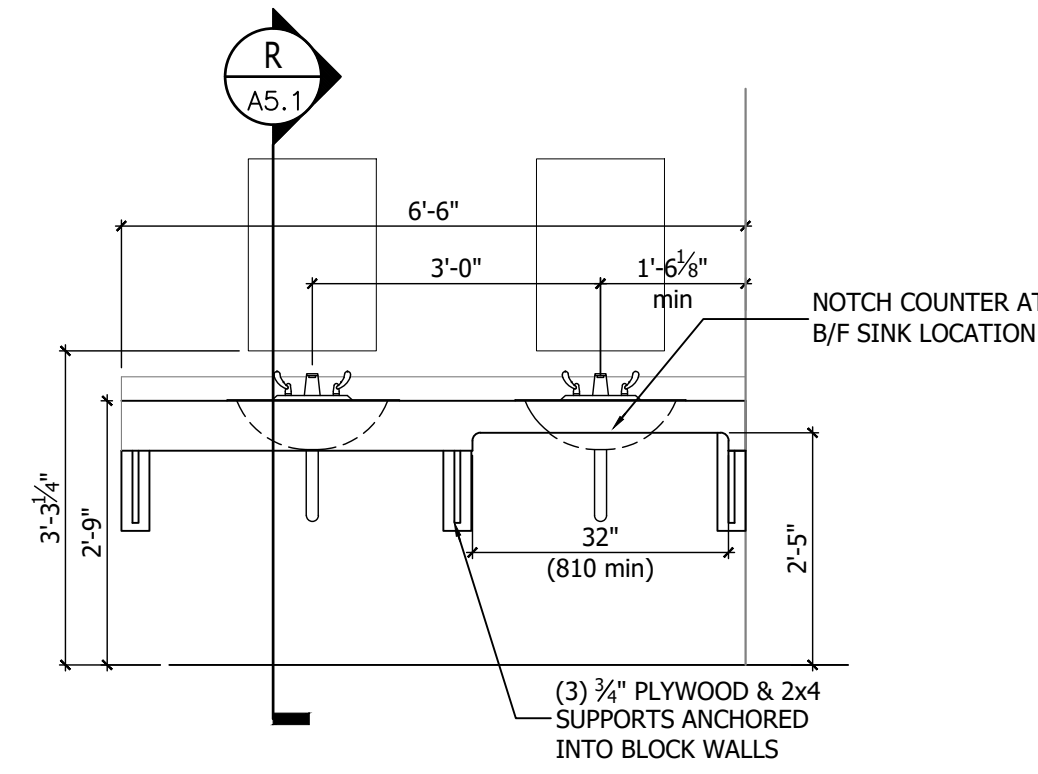
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DATE	SCALE	FILE NAME	DRAWING
2022-07-12	AS NOTED	21367MAIN16	<b>A4.1</b>



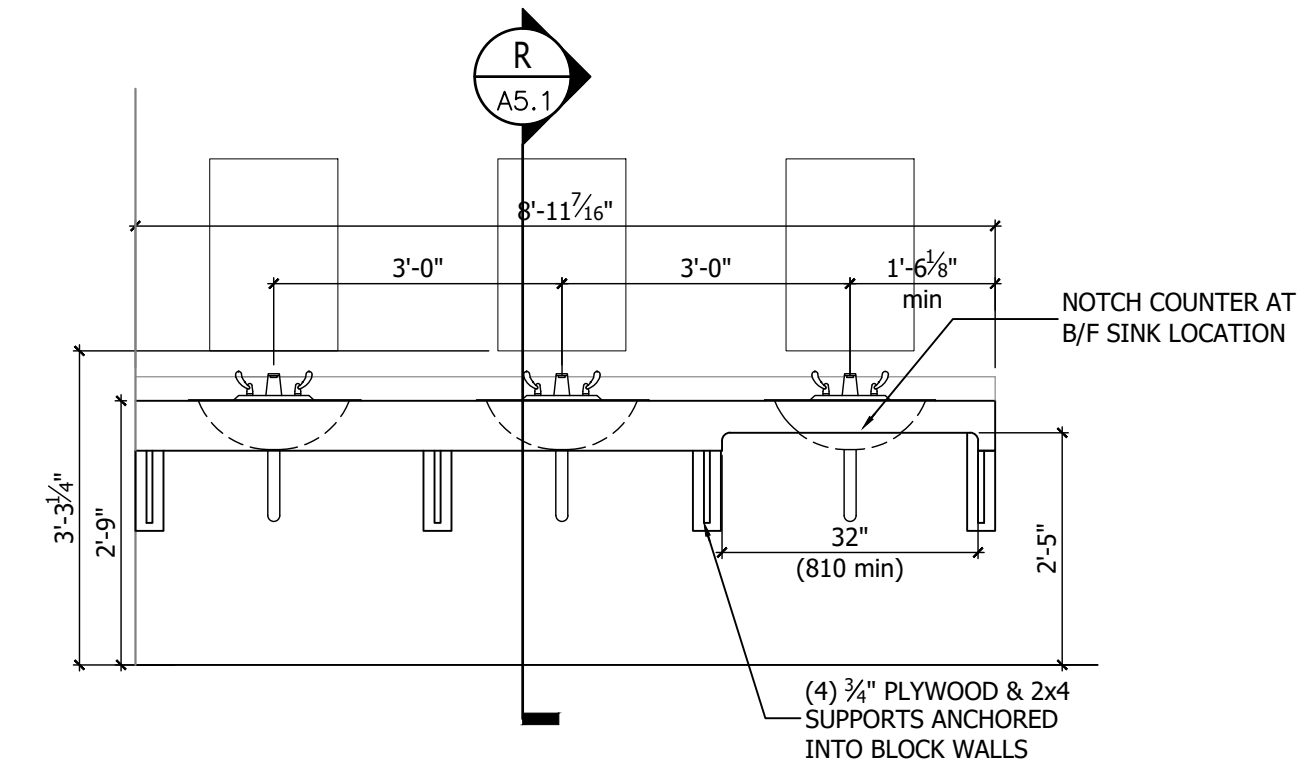
**LUNCHROOM ELEVATION**  
SCALE: 1/2"=1'-0"



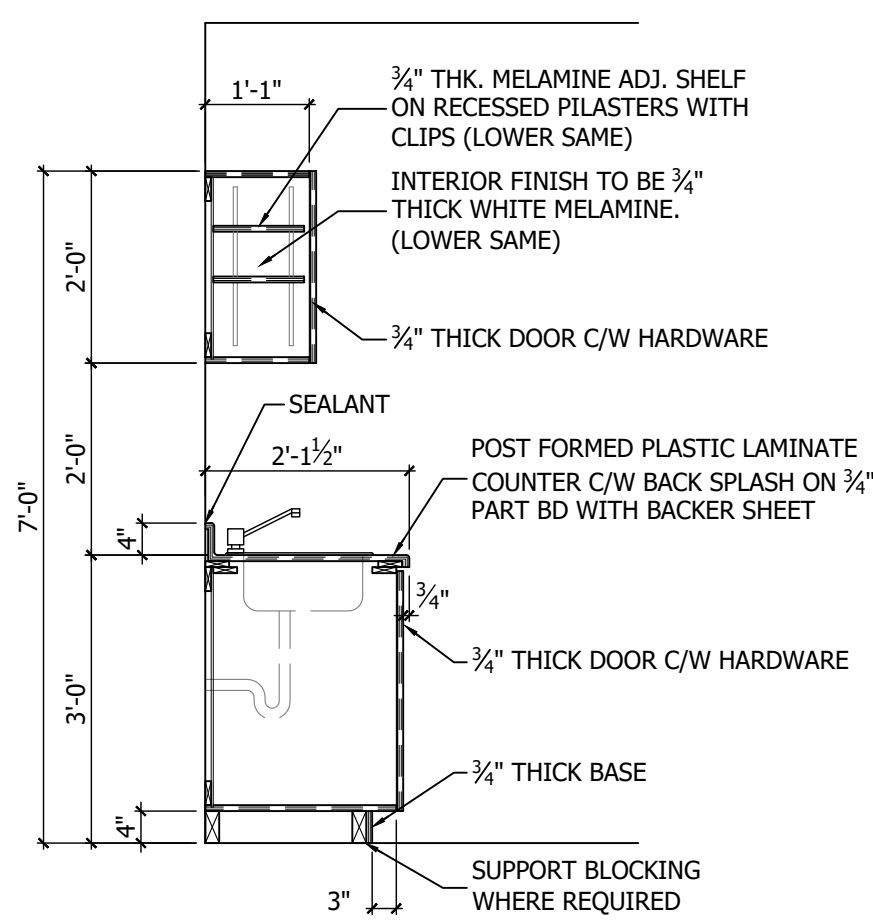
**MEETING ROOM ELEVATION**  
SCALE: 1/2"=1'-0"



**WASHROOM 113 ELEVATION**  
SCALE: 1/2"=1'-0"

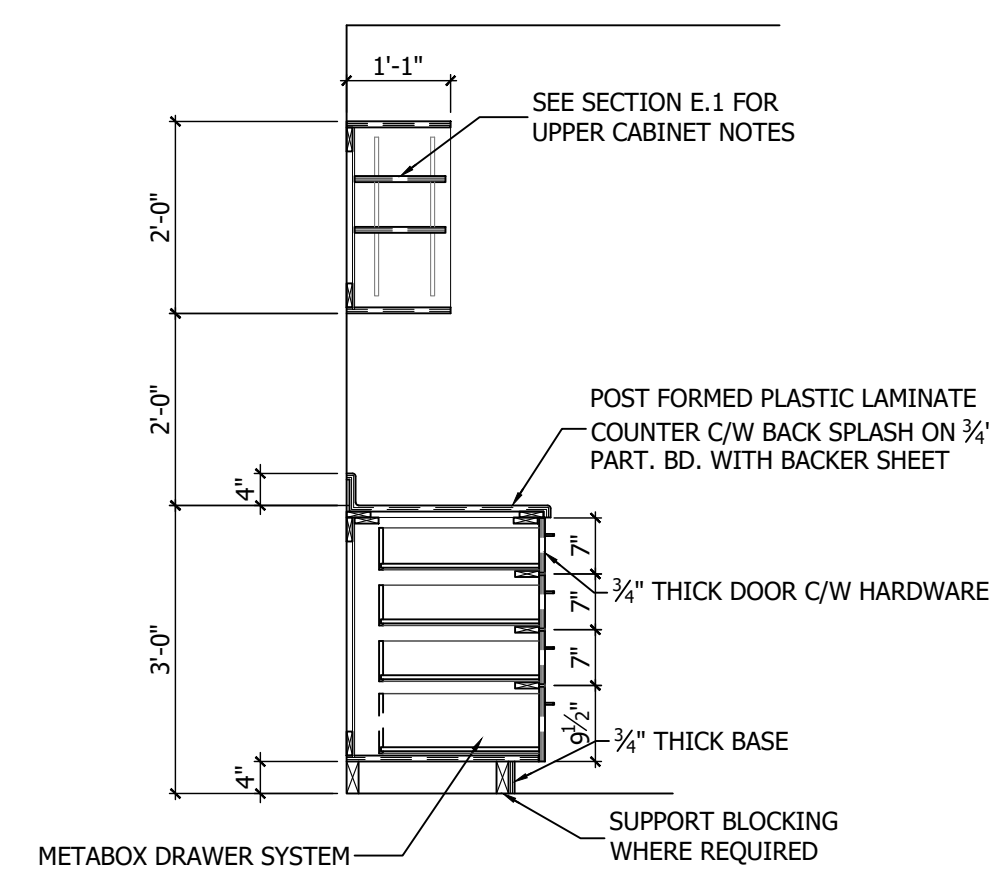


**WASHROOM 114 ELEVATION**  
SCALE: 1/2"=1'-0"



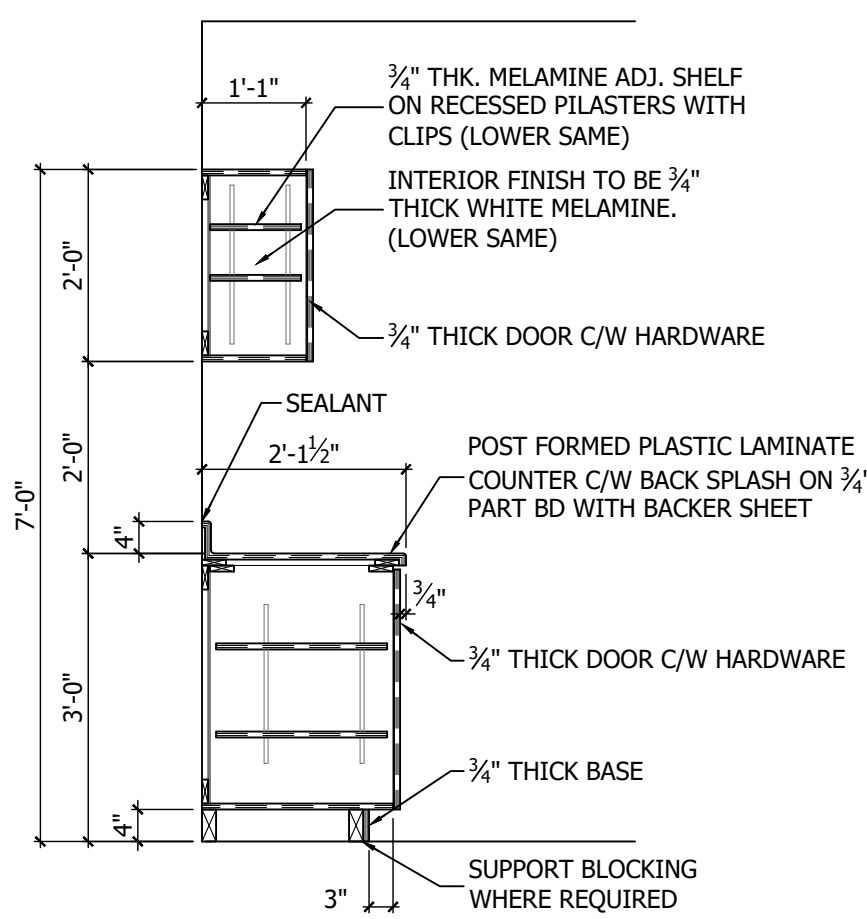
**X SECTION**  
A5.1

SCALE: 1/2"=1'-0"  
DOOR WOOD TYPE, COLOR AND FINISH TO BE SELECTED BY OWNER.  
BASE COLOR AND FINISH TO BE SELECTED BY OWNER.  
PROVIDE BLOCKING IN WALL FOR UPPER CABINET SUPPORT.



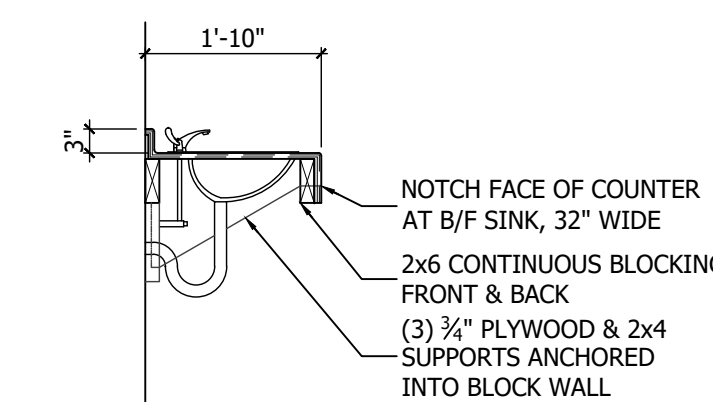
**Y SECTION**  
A5.1

SCALE: 1/2"=1'-0"  
DOOR WOOD TYPE, COLOR AND FINISH TO BE SELECTED BY OWNER.  
BASE COLOR AND FINISH TO BE SELECTED BY OWNER.  
PROVIDE BLOCKING IN STUD WALL FOR UPPER CABINET SUPPORT.



**Z SECTION**  
A5.1

SCALE: 1/2"=1'-0"  
DOOR WOOD TYPE, COLOR AND FINISH TO BE SELECTED BY OWNER.  
BASE COLOR AND FINISH TO BE SELECTED BY OWNER.  
PROVIDE BLOCKING IN WALL FOR UPPER CABINET SUPPORT.



**R SECTION**  
A5

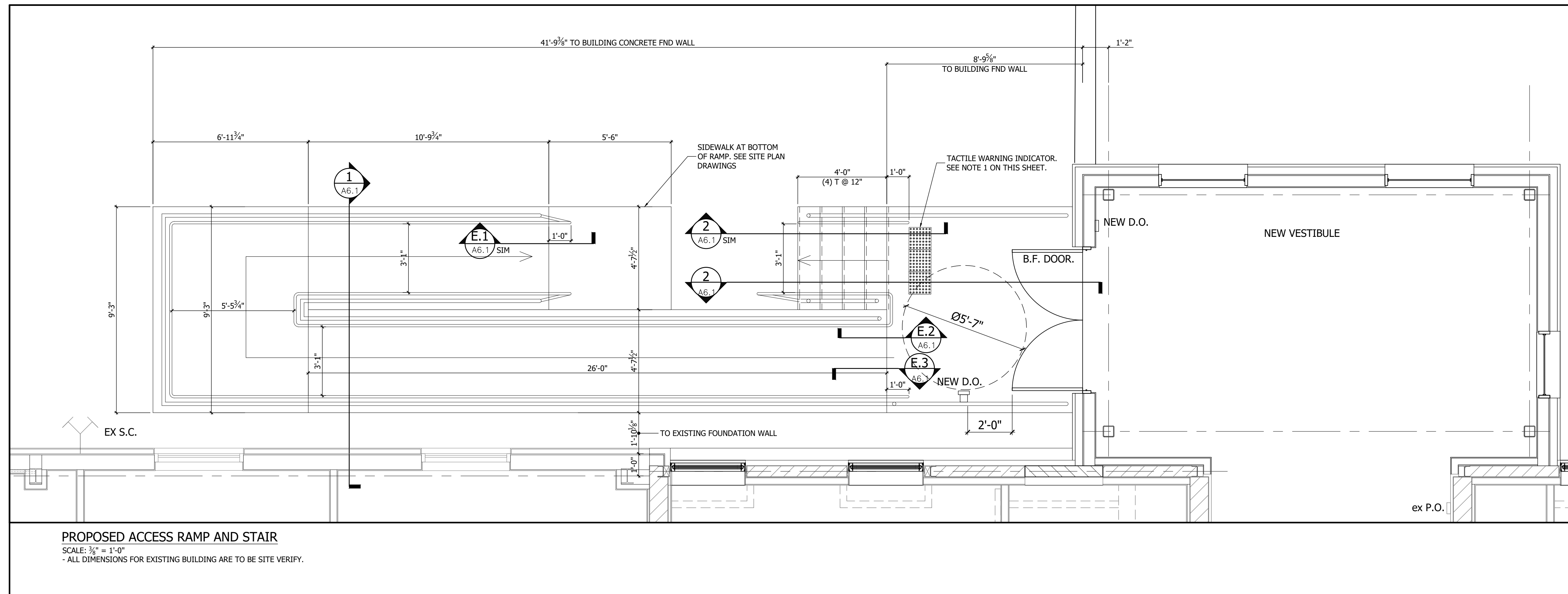
SCALE: 1/2"=1'-0"

- GENERAL NOTES:
- MILLWORK TO BE GROUP 2 COLOR, MELAMINE, PARTICLE BOARD, 3 MM PVC EDGES, STANDARD HARDWARE, 110 DEGREE HINGES, D PULL HANDLES.
  - DOOR WOOD TYPE, COLOR AND FINISH TO BE SELECTED BY OWNER.
  - BASE COLOR AND FINISH TO BE SELECTED BY OWNER.
  - PROVIDE BLOCKING IN WALL FOR UPPER CABINET SUPPORT.

ISSUED FOR		STAMP	NORTH ARROW		
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DATE: 2024-07-24					
REV.	BY	DESCRIPTION			DATE
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DATE: 2022-07-12	SCALE: AS NOTED	FILE NAME: 21367MAIN16	<b>A5.1</b>		

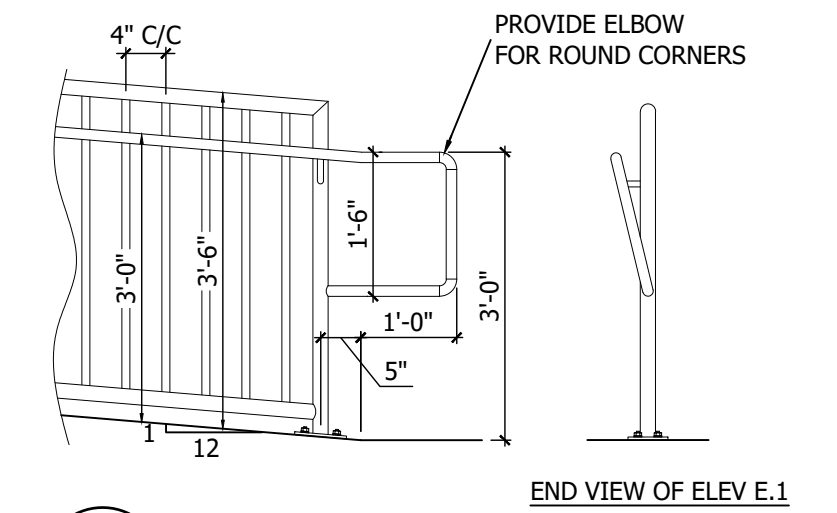




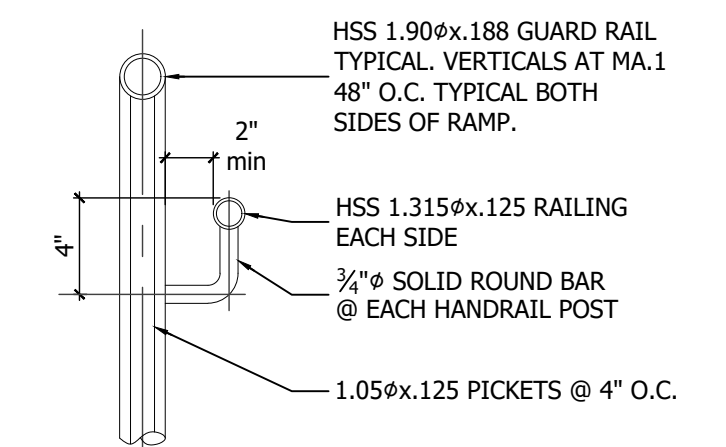


**PROPOSED ACCESS RAMP AND STAIR**  
 SCALE: 3/8" = 1'-0"  
 - ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY.

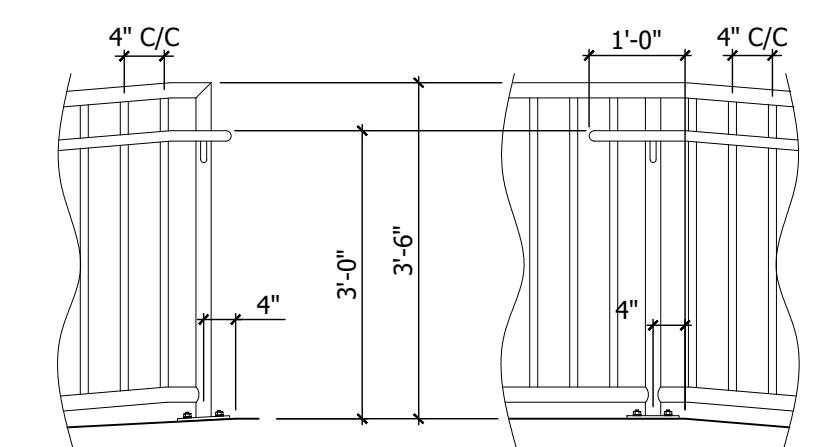
- NOTE 1**  
 INSTALL TACTILE WARNING INDICATOR MIN DEPTH 12" - 24" (300mm-600mm). START FROM EDGE OF LANDING TREAD DEPTH.
- STAIR TREADS, RAMPS & LANDINGS:**  
 OBC 3.4.6.1  
 (1) THE SURFACES OF RAMPS, LANDINGS AND TREADS SHALL,  
 (a) HAVE A FINISH THAT IS SLIP-RESISTANT, AND  
 (b) IF ACCESSIBLE TO THE PUBLIC, HAVE A COLOUR CONTRAST OR A DISTINCTIVE VISUAL PATTERN TO DEMARCATÉ,  
 (i) THE LEADING EDGE OF THE TREAD,  
 (ii) THE LEADING EDGE OF THE LANDING, AND  
 (iii) THE BEGINNING AND END OF A RAMP.
- (2) A TACTILE ATTENTION INDICATOR CONFORMING TO ARTICLE 3.8.3.18. SHALL BE INSTALLED,  
 (a) AT THE TOP OF THE STAIRS, STARTING ONE TREAD DEPTH BACK FROM THE EDGE OF THE TOP STAIR, AND  
 (b) AT THE LEADING EDGE OF LANDINGS WHERE A DOORWAY OPENS ONTO STAIRS, STARTING ONE TREAD DEPTH BACK FROM THE EDGE OF THE LANDINGS.



**E.1 ELEVATION**  
 A6.1 SCALE: 1/2" = 1'-0"

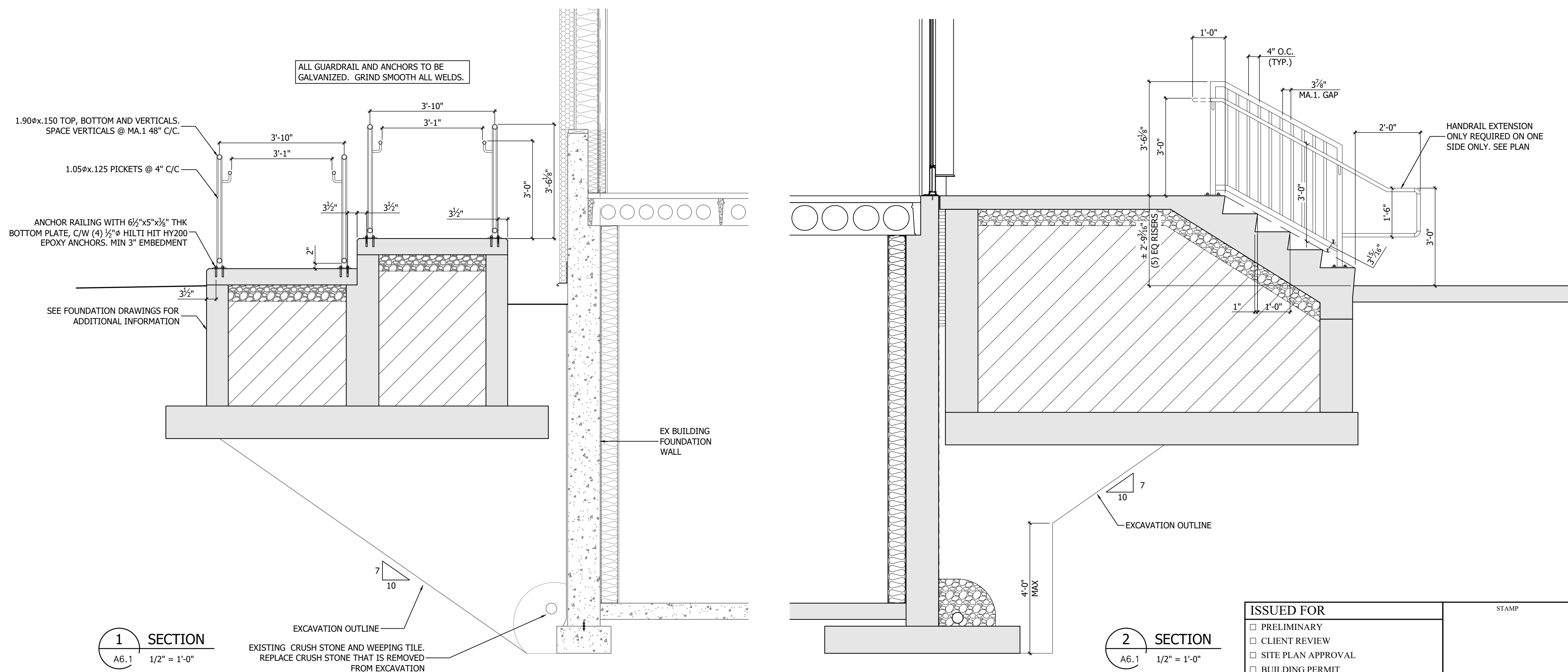


**HANDRAIL DETAIL**  
 SCALE: 1/2" = 1'-0"



**ELEVATION E.2**  
 SCALE: 1/2" = 1'-0" A6.1

**ELEVATION E.3**  
 SCALE: 1/2" = 1'-0" A6.1



**1 SECTION**  
 A6.1 1/2" = 1'-0"

**2 SECTION**  
 A6.1 1/2" = 1'-0"

<b>ISSUED FOR</b>		<b>STAMP</b>		<b>NORTH ARROW</b>	
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DATE 2024-07-24					
<b>REV.</b>	<b>BY</b>	<b>DESCRIPTION</b>		<b>DATE</b>	
	AA	JH		21367	
	2022-07-12	AS NOTED		21367MAIN16	

CLIENT  
**CITY OF WOODSTOCK**  
 ENGINEERING BLDG  
 944 JAMES ST

PROJECT  
**ADDITION AND RENOVATION**

DRAWING  
**PROPOSED ACCESS STAIR AND RAMP**

**SPH ENGINEERING INC.**  
 REAL WORLD ENGINEERING SOLUTIONS  
 TEL: 519-539-5700 FA: 519-539-5775  
 485037 SWEABURG ROAD WOODSTOCK, ONTARIO N4S 7V6

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DRAWN AA CHECKED JH PROJECT NUMBER 21367 SHEET SIZE 24x36  
 DATE 2022-07-12 SCALE AS NOTED FILE NAME 21367MAIN16 DRAWING **A6.1**

WALL FOUNDATION SCHEDULE					NOTE: IF FOOTING ELEVATION IS REQUIRED TO BE LOWER THAN WHAT IS INDICATED ON THE DRAWINGS TO SUIT SITE SOIL CONDITIONS THAN INFORM TO SPH ENGINEERING NEW ELEVATION OF FOOTING BEFORE CONCRETE IS POURED.	
FOOTING MARK	FOOTING SIZE (DIM ARE IN INCHES)	FOOTING REINFORCING	WALL SIZE (DIM ARE IN INCHES)	WALL REINFORCING	TOP OF WALL ELEVATION	REMARKS
WF1	16"x8" THK	(2) 15M CONT 15M DOWELS@24" c/c 6"x18"	8" WALL	(2) 15M TOP CONT	+6" @ F.F. UNLESS NOTED OTHERWISE	-
WF2	72"x12" THK	(5) 15M CONT 20M@12" SHORT	12" WALL	-	-	-
WF3	14"x8" THK	(2) 15M CONT 15M DOWELS@24" C/C 6"x18"	6" WALL	(2) 15M TOP CONT	-	-
WF4	72"x30" THK	(12) 25M LONG T.U.L & B.L.L. 25M @12" o/c T.L.L & B.U.L.	6" WALL	(2) 15M TOP CONT	-	-
WF5	96"x16" THK	20M @ 12" o/c E/W TOP AND BOTTOM	12" WALL	15M BACK FACE @ 12" o/c 15M FRONT FACE @ 12" o/c 15M H.E.F. @ 12" o/c	-	-

PIER SCHEDULE				
PIER MARK	PIER SIZE (DIM ARE IN INCHES)	PIER REINFORCING	TOP OF PIER ELEVATION	REMARKS
P1	16"x16"	(4) 25M VERTICAL 10M TIES @ 16" c/c	SEE SECTIONS	SEE STRUCTURAL DRAWINGS FOR ANCHOR BOLT DESIGN
P2	16"x16"	(4) 25M VERTICAL 10M TIES @ 16" c/c	SEE SECTIONS	SEE STRUCTURAL DRAWINGS FOR ANCHOR BOLT DESIGN

FOOTING SCHEDULE					NOTE: IF FOOTING ELEVATION IS REQUIRED TO BE LOWER THAN WHAT IS INDICATED ON THE DRAWINGS TO SUIT SITE SOIL CONDITIONS THAN INFORM TO SPH ENGINEERING NEW ELEVATION OF FOOTING BEFORE CONCRETE IS POURED.	
FOOTING MARK	FOOTING SIZE (DIM ARE IN INCHES)	FOOTING REINFORCING	U/S OF FTG ELEVATION	REMARKS		
F1	96"x96"x 16" THK	(9) 20M BARS @ BEW	-	-		
F2	144"x72"x18" THK	(12) 20M BARS LONG (13) 20M BARS SHORT	-	-		
F3	72"x72"x16" THK	(7) 20M BARS BEW	-	-		
F4	144"x120"x24" THK	(10) 25M BARS BEW	-	-		

ABBREVIATIONS:  
A.F.F. DENOTES: ABOVE FINISH FLOOR  
B.F.F. DENOTES: BELOW FINISH FLOOR  
B.LL DENOTES: BOTTOM LOWER LAYER  
B.U.L DENOTES: BOTTOM UPPER LAYER  
T.L.L DENOTES: TOP LOWER LAYER  
T.U.L DENOTES: TOP UPPER LAYER  
B.E.W DENOTES: BOTTOM EACH WAY  
V.E.F. DENOTES: VERTICAL EACH FACE  
H.E.F. DENOTES: HORIZONTAL EACH FACE

CONCRETE COVER IN A NONCORROSIVE ENVIRONMENT		
(a) WHEN CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH (ie: FOOTINGS, FOUNDATION WALLS, PIERS)	3" (76mm)	
EXPOSURE TO EARTH OR WEATHER	EXPOSED	NOT EXPOSED
(b) ALL CONCRETE CAST IN CONCRETE FORMS FOR: (i) BEAMS, GIRDERS, COLUMNS, AND PILES PRINCIPAL REINFORCEMENT, No. 35 & SMALLER TIES, STIRRUPS, AND SPIRALS	2" (50mm)	1 1/2" (40mm)
(ii) SLABS, WALLS, JOIST SHELLS AND FOLDED PLATES: No. 20 AND SMALLER	1 1/2" (40mm)	1 1/2" (30mm)
(c) FOR BARS WITH A DIAMETER $\phi$ LARGER THAN LISTED ABOVE, THE COVER SHALL BE AT LEAST; BUT NEED NOT BE MORE THAN 2 3/8" (60mm)	1.5 $\phi$	1.0 $\phi$
COVER TYPICAL AS PER THIS CHART UNLESS NOTED OTHERWISE ON PLANS & DETAILS		

BAR LAP SPLICES UNLESS NOTED OTHERWISE			
BAR SIZE	CONCRETE STRENGTH		
	25 MPa	30 MPa	35 MPa
10M	23" (580mm)	20" (520mm)	16" (420mm)
15M	32" (810mm)	29" (730mm)	27" (685mm)
20M	39" (990mm)	35" (890mm)	34" (860mm)
25M	62" (1575mm)	57" (1440mm)	50" (1270mm)
30M	74" (1880mm)	68" (1730mm)	63" (1600mm)
35M	88" (2235mm)	81" (2060mm)	75" (1905mm)

### GENERAL NOTES

(ALL DESIGN REFERENCE STANDARDS TO CURRENT EDITION)

- GENERAL:
- ALL WORK SHALL CONFORM TO THE ONTARIO BUILDING CODE, REC. 332/12.
  - ALL WORK TO BE PERFORMED IN ACCORDANCE WITH APPLICABLE LEGISLATION AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO, OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS.
  - THE CONTRACTOR SHALL AS PART OF HIS WORK CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH CONSTRUCTION.
  - SAFEGUARD AND PROTECT ALL EXISTING STRUCTURES, SERVICES AND UTILITIES WHICH MAY BE AFFECTED BY THE WORK OF THIS CONTRACT.
  - OWNER/CONTRACTOR TO NOTIFY ENGINEER FOR INSPECTION DURING CONSTRUCTION. SPH ENGINEERING NOT RESPONSIBLE FOR INSPECTIONS NOT PERFORMED DUE TO NON-NOTIFICATION.

- EXCAVATION AND BACKFILL:
- ALL FOUNDATIONS SHALL BEAR ON UNDISTURBED, NATIVE SOIL OR ENGINEERED FILL HAVING AN ALLOWABLE BEARING CAPACITY AS FOLLOWS:  
SPREAD & STRIP FOUNDATIONS: SLS = 3000 psf (ASSUMED)  
ULS = 4500 psf (ASSUMED)  
SOIL CONDITIONS TO BE VERIFIED @ TIME OF CONSTRUCTION.  
SEE SOILS REPORTS BY EXP.

- ALL EXCAVATIONS SHALL BE COMPLETELY DEWATERED DURING CONSTRUCTION TO PREVENT UPLIFT OF THE STRUCTURE. KEEP EXCAVATION DEWATERED TO AT LEAST 12" (300mm) BELOW LOWEST ELEVATION OF EXCAVATION. SEE SOILS REPORTS BY EXP FOR DEWATERING RECOMMENDATIONS
- PLACE ALL CONCRETE IN THE DRY
- CONTINUOUSLY PROTECT THE BOTTOM OF THE EXCAVATION & ALL FOUNDATIONS ON THE GROUND FROM DAMAGE DUE TO FROST & GROUNDWATER PRESSURE. MINIMUM FOOTING ELEVATION BELOW FINISHED GRADE TO BE +4'-0" U.N.O.
- OWNER &/OR CONTRACTOR TO ARRANGE TO HAVE SOILS CONSULTANT TO REVIEW & CONFIRM BEARING CAPACITY @ ALL FOOTING LOCATIONS PRIOR TO PLACING CONCRETE.
- PROVIDE 12" (300mm) MINIMUM GRANULAR 'A' UNDER SLAB ON GRADE & COMPACT TO 100% SPMD U.N.O. IN SOILS REPORT.
- BACKFILL EXCAVATION WITH GRANULAR 'B' & COMPACT MA.11MUM 8" (200mm) LAYERS TO 98% SPMD U.N.O. IN SOILS REPORT.
- DO NOT PLACE BACKFILL AGAINST WALLS RETAINING EARTH (OTHER THAN CANTILEVER WALLS) UNTIL FLOORS AT TOP AND BOTTOM OF WALLS ARE PLACED AND HAVE ATTAINED SPECIFIC DESIGN STRENGTH.
- FILL REQUIRED ON BOTH SIDES OF FOUNDATION WALLS SHALL BE PLACED AND COMPACTED SIMULTANEOUSLY ON BOTH SIDES TO EQUALIZE SOIL PRESSURE.

- CONCRETE:
- DO CONCRETE WORK IN ACCORDANCE WITH CSA A23.1 AND TESTING TO CSA A23.2.
  - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS TO BE:  
32 MPa C - 2 FOR UNREINFORCED EXTERIOR CONCRETE  
35 MPa C - 1 FOR REINFORCED EXTERIOR CONCRETE  
30 MPa FOR FOOTINGS, PIERS, SLAB ON GRADE, TOPPING & FOUNDATION WALLS
  - CONCRETE FORM WORK AND FALSE WORK MATERIALS SHALL CONFORM TO CSA A23.1.
  - ALL CONCRETE SHALL BE PLACED IN THE DRY.
  - CONCRETE EXPOSED TO WEATHER SHALL HAVE 5-8% AIR ENTRAINMENT.
  - SLAB ON GRADE: PROVIDE 1/2" WIDE x 1/4 OF SLAB THICKNESS DEEP SAWCUTS. MA.11MUM SPACING TO BE [25 x SLAB THICKNESS] OR 15'(4.5m) GRID, WHICHEVER IS LESS, OR AS INDICATED ON FOUNDATION PLAN.  
NOTE: DO NOT SAWCUT SLAB ON COLUMN LINES FOR PRE-ENGINEERED TYPE BUILDINGS THAT HAVE TIE RODS PARALLEL TO THE COLUMN LINE CAST IN CONCRETE SLAB.
  - WINTER CONSTRUCTION PROTECTION PROCEDURES TO BE OBSERVED.
  - CONCRETE DESIGN TO CSA A23.3 - "DESIGN OF CONCRETE STRUCTURES"
  - ISOLATION JOINT MATERIAL SHALL BE MIN. 10mm THICK ASPHALT IMPREGNATED FIBREBOARD, STERNBOARD BY STERNSON OR EQUAL.
  - SLAB ON GRADE TO SLOPE TO DRAINS U.N.O.
  - SLAB ON GRADE TO HAVE A FLATNESS / LEVELNESS VALUE OF:  
FF - 35 OVERALL / 23 LOCAL  
FL - 25 OVERALL / 17 LOCAL

- REINFORCEMENT:
- DO REINFORCEMENT WORK IN ACCORDANCE WITH CSA A23.1.
  - REINFORCEMENT STEEL SHALL CONFORM TO CAN/CSA G30.18, STRENGTH TO BE 400 MPa.
  - WELDED STEEL WIRE FABRIC SHALL CONFORM TO ASTM A1064/A1064M (6" SPACING) AND ASTM A497/A497M (12" SPACING). PROVIDE IN FLAT SHEETS ONLY.
  - CONTRACTOR TO CONTACT SPH ENGINEERING INC TO ARRANGE FOR INSPECTION OF REINFORCING BEFORE PLACING CONCRETE.

- EPOXY SYSTEM NOTES:
- EPOXY SYSTEM FOR DOWELS AND ANCHORS TO BE HILTI HIT HY 200 OR FOR WINTER CONDITIONS USE HILTI HIT-ICE. HILTI HIT HY 270 FOR CONCRETE BLOCK WALLS AND PRECAST CONCRETE SLABS. ANCHOR MATERIAL TO BE MINIMUM GRADE 36ksi AND TO MEET THE REQUIREMENTS OF CSA G40.20/G40.21. USE 316 STAINLESS ROD, GRADE F593G FOR EXTERIOR LOCATIONS.

SEISMIC DESIGN DATA:  
Sa (0.2) = 0.118  
Sa (0.5) = 0.075  
Sa (1.0) = 0.043  
Sa (2.0) = 0.022  
PGA = 0.071

SITE SOIL CONDITION - SITE CLASS D ASSUMED FOR PRICING

- UNIT MASONRY
- CSA STANDARD S304.1: MASONRY DESIGN FOR BUILDINGS (LIMITED STATES DESIGN)
  - CSA A371: MASONRY CONSTRUCTION FOR BUILDINGS.
  - CAN3 A165 SERIES (CAN3-A165.1) : CSA STANDARDS ON CONCRETE MASONRY UNITS. STRENGTH: 15 MPa
  - CSA A370: CONNECTORS FOR MASONRY. SEE DRAWINGS FOR TYPES.

- MORTAR
- CSA A179 (CURRENT ENGINEERING BLDG): MORTAR FOR UNIT MASONRY.
  - MORTAR FOR LOAD BEARING MASONRY ABOVE GRADE: TYPE 5 WITH COMPRESSIVE STRENGTH OF 8.5 MPa @ 28 DAYS.
  - MORTAR FOR INTERIOR NON-LOAD BEARING MASONRY: TYPE O.
- GROUT
- CSA A179 (CURRENT EDITION), TABLE 5 - GROUT FOR MASONRY UNITS.
  - COMPRESSIVE STRENGTH: FINE 10 MPa, COURSE 12.5 MPa @ 28 DAYS

- MASONRY REINFORCEMENT:
- DO REINFORCEMENT WORK IN ACCORDANCE WITH CSA A23.1.
  - REINFORCEMENT STEEL SHALL CONFORM TO CAN/CSA G30.5, STRENGTH TO BE 400 MPa.
  - CONTRACTOR TO CONTACT SPH ENGINEERING INC TO ARRANGE FOR INSPECTION OF REINFORCING.

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<input type="checkbox"/> SITE PLAN APPROVAL									
<input type="checkbox"/> BUILDING PERMIT									
<input checked="" type="checkbox"/> TENDER									
<input type="checkbox"/> CONSTRUCTION									
DATE	2024-07-24								
REV.	BY	DESCRIPTION				DATE			
DRAWN	AA	CHECKED	JH	PROJECT NUMBER	21367	SHEET SIZE	24x36		
DATE	2022-07-12	SCALE	AS NOTED	FILE NAME	21367MAIN16	<b>G1.1</b>			

CLIENT  
**CITY OF WOODSTOCK**  
ENGINEERING BLDG  
944 JAMES ST

PROJECT  
**ADDITION  
AND  
RENOVATION**

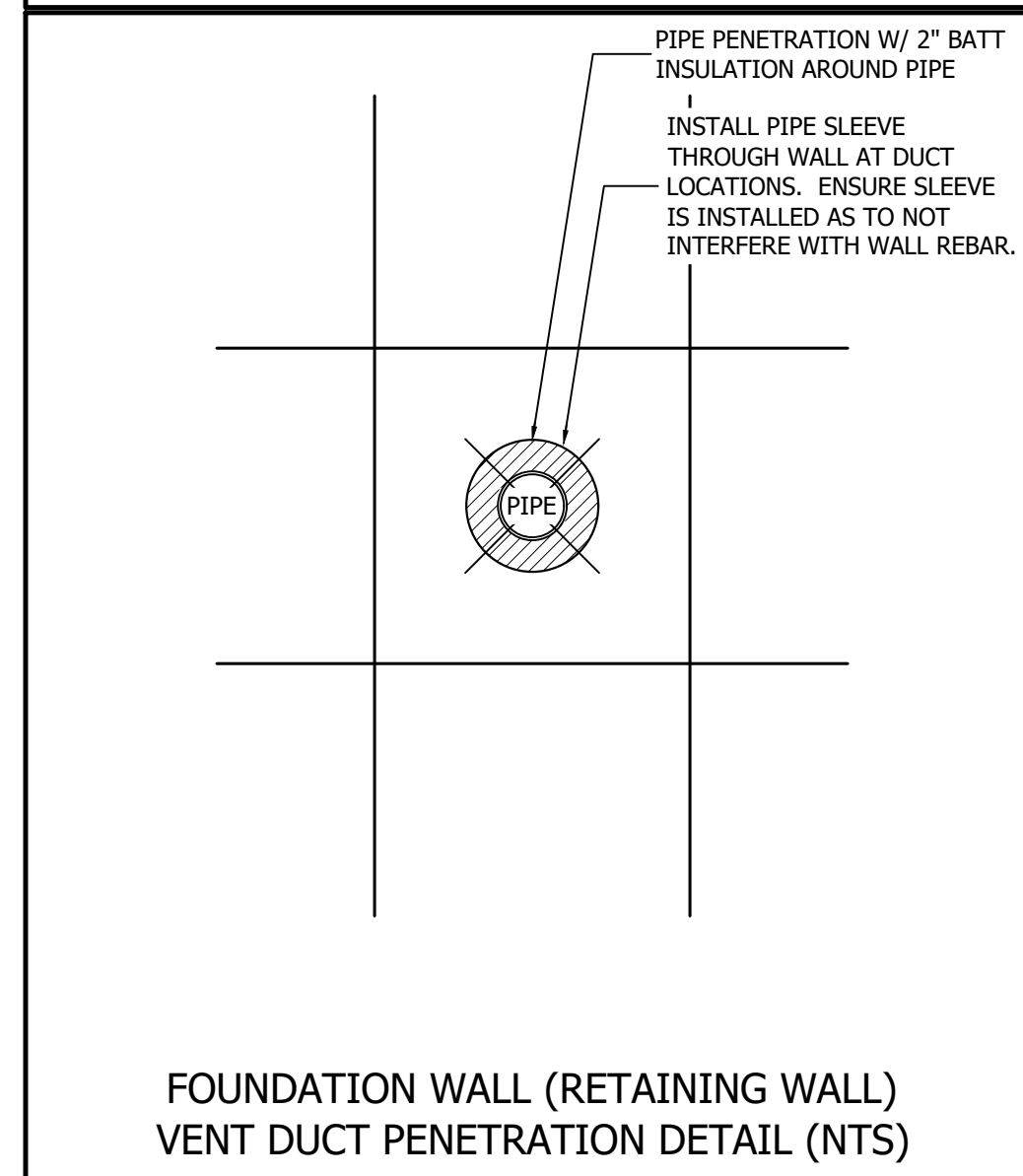
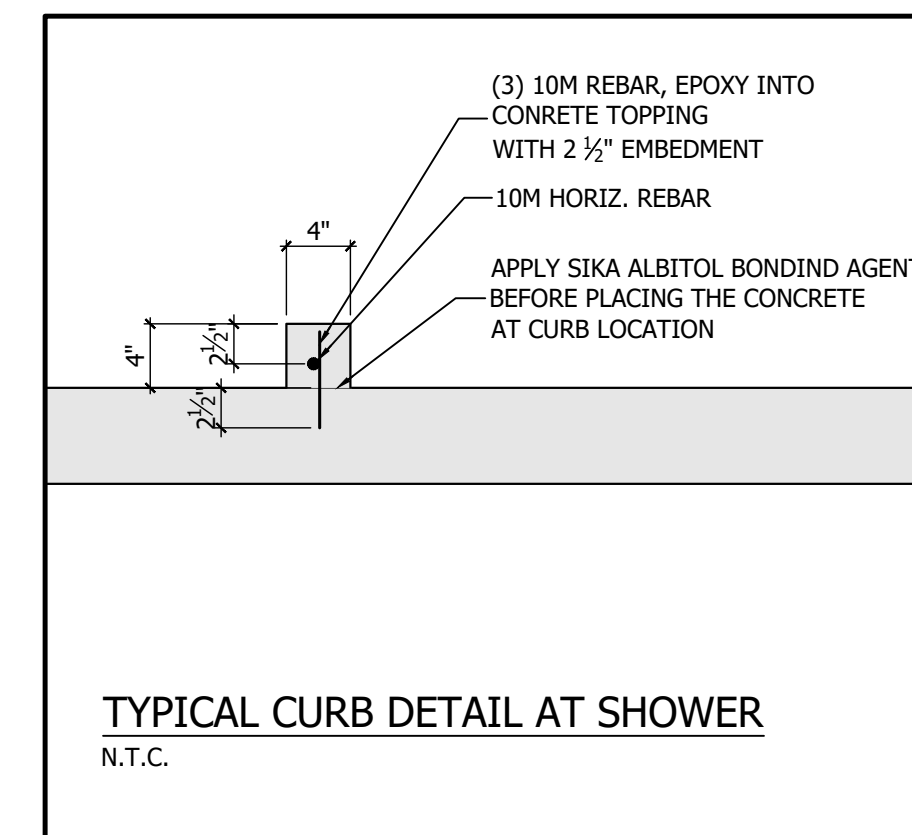
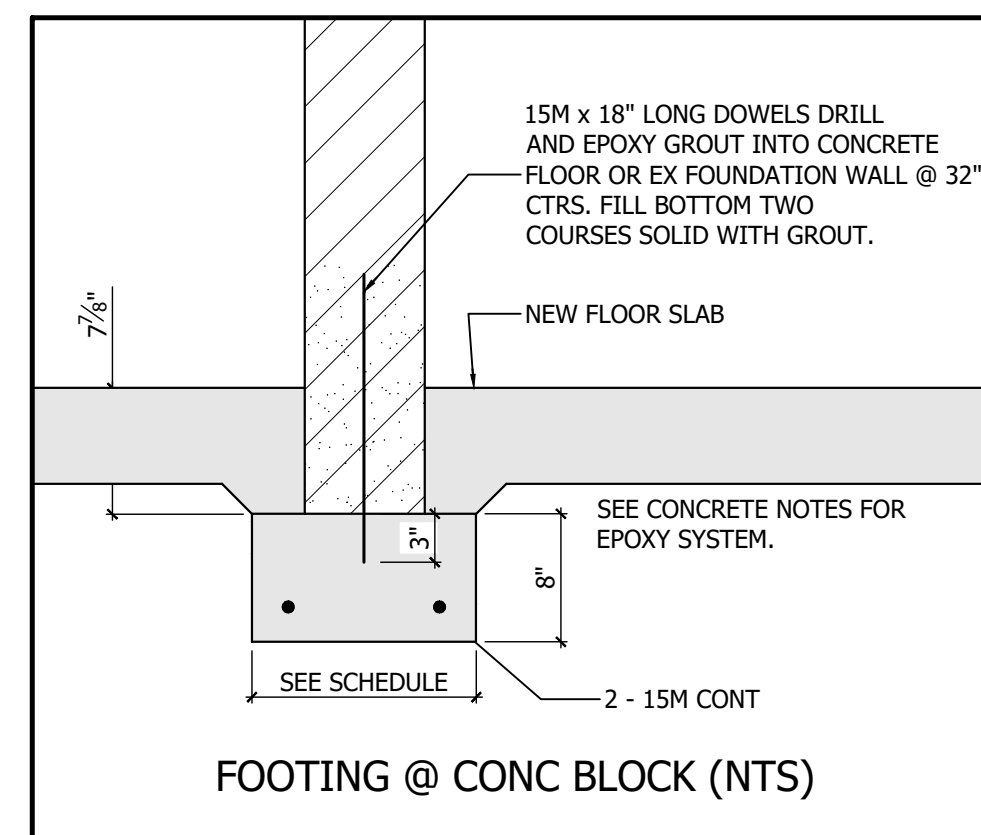
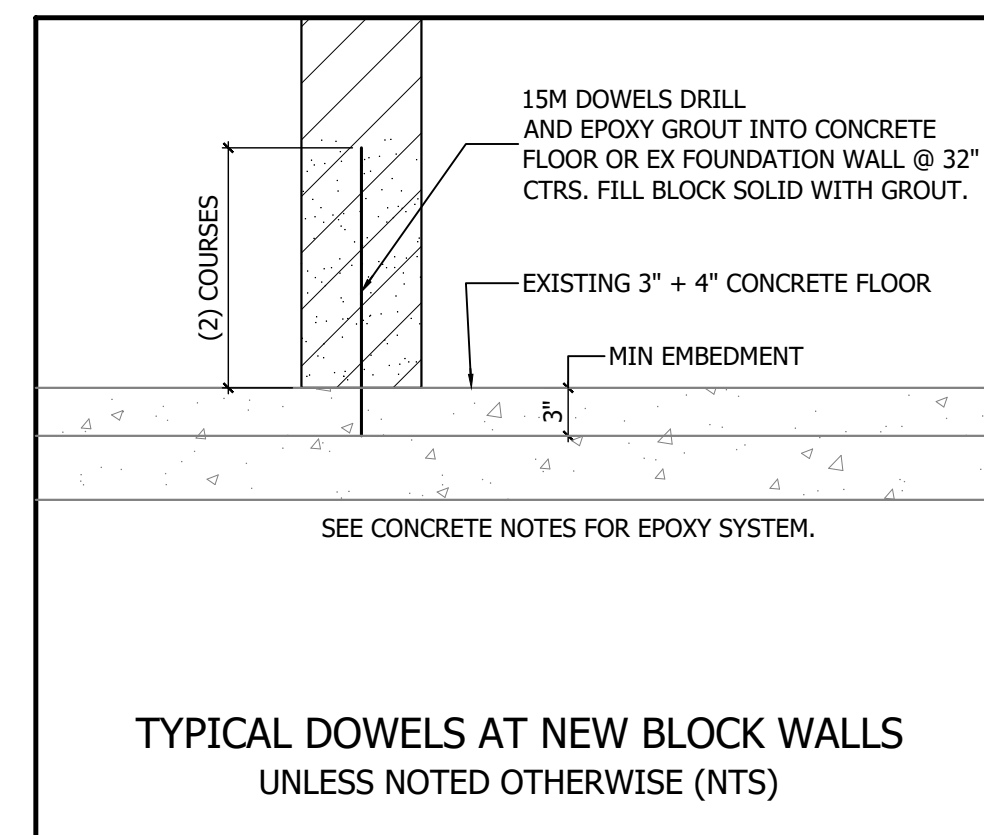
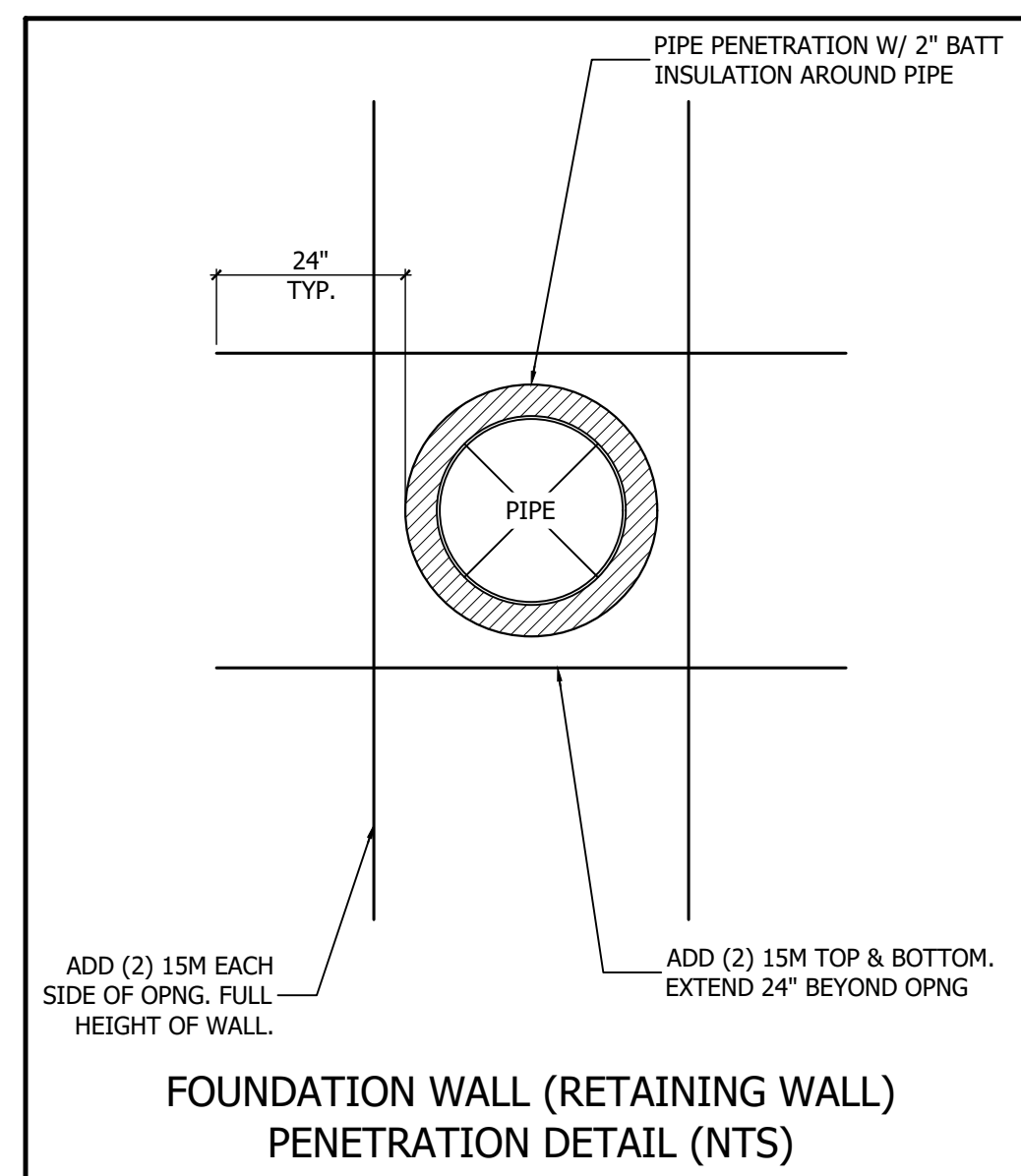
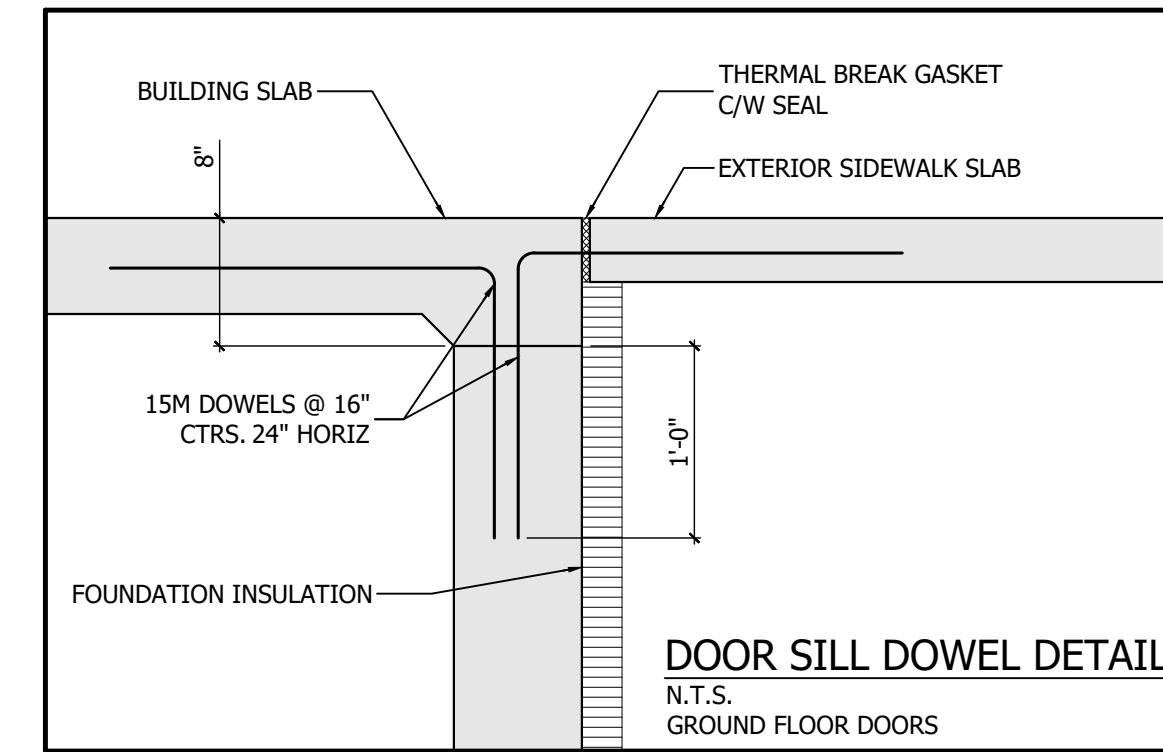
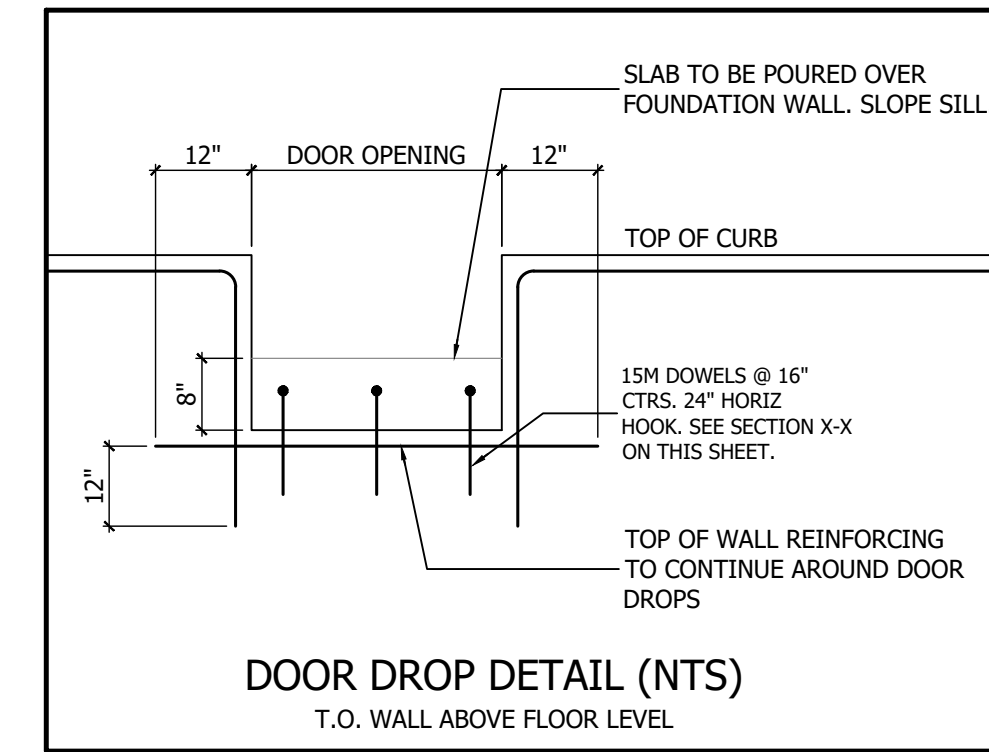
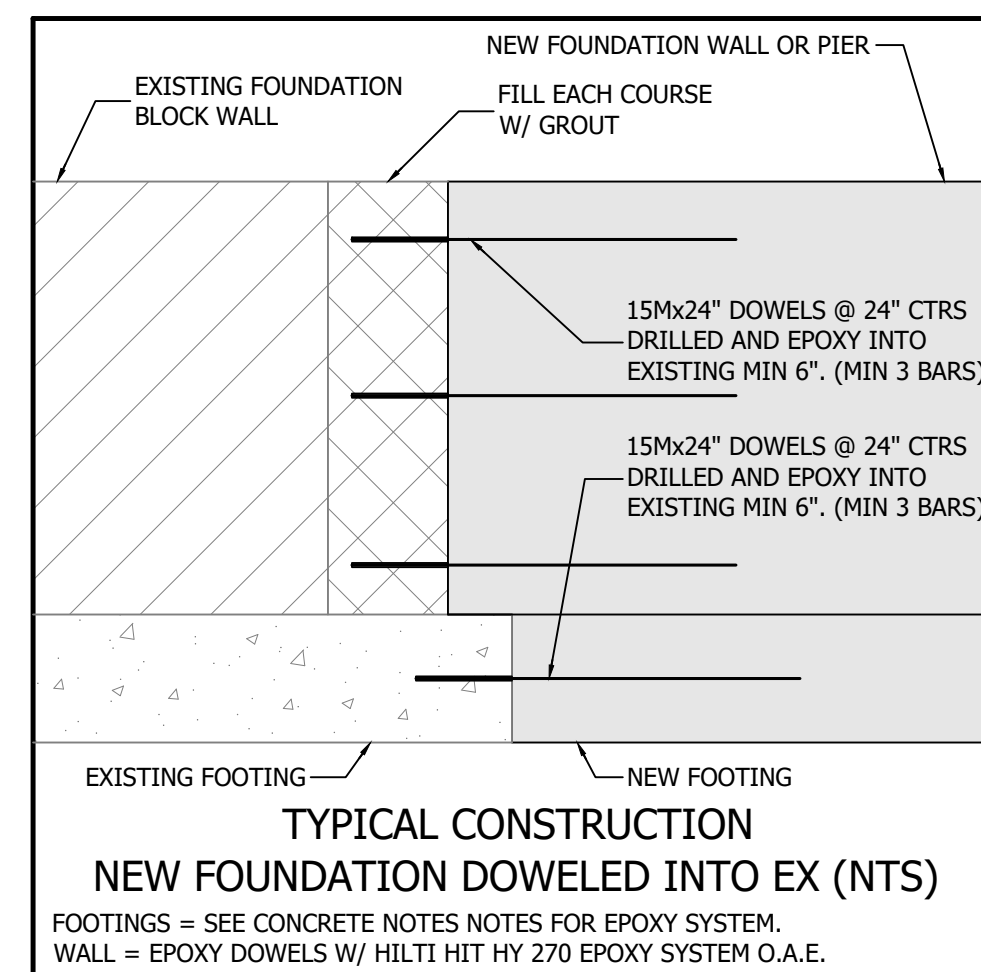
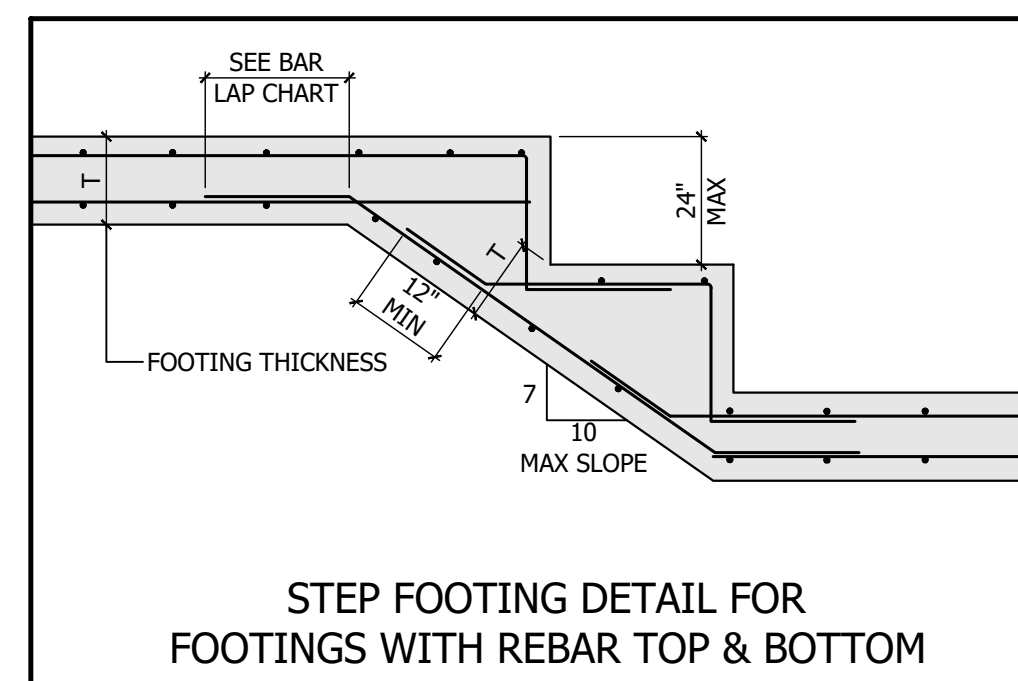
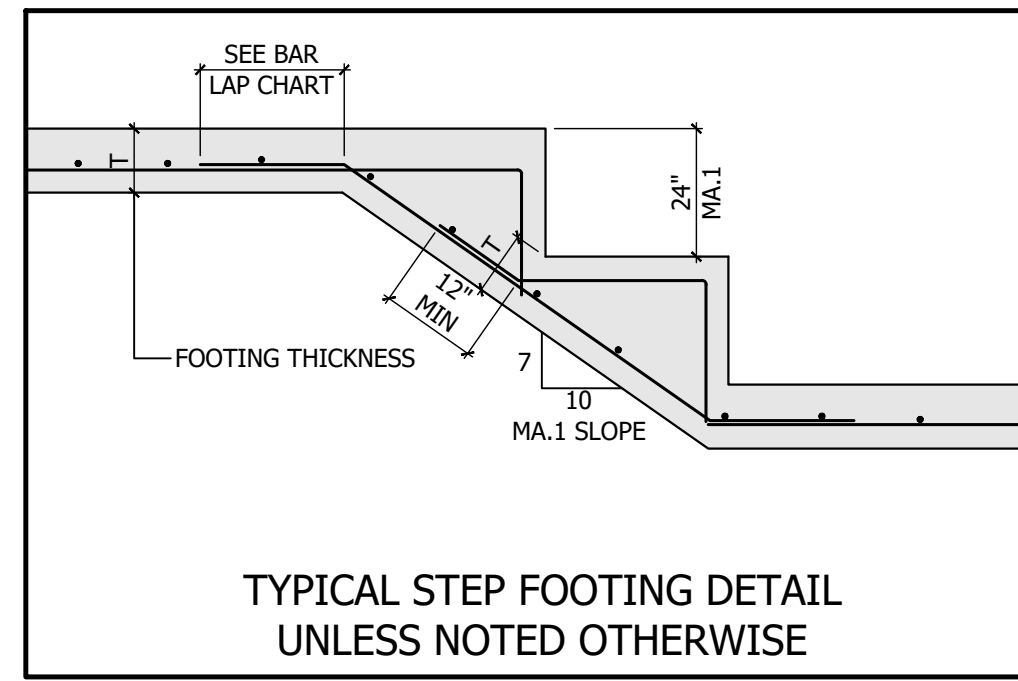
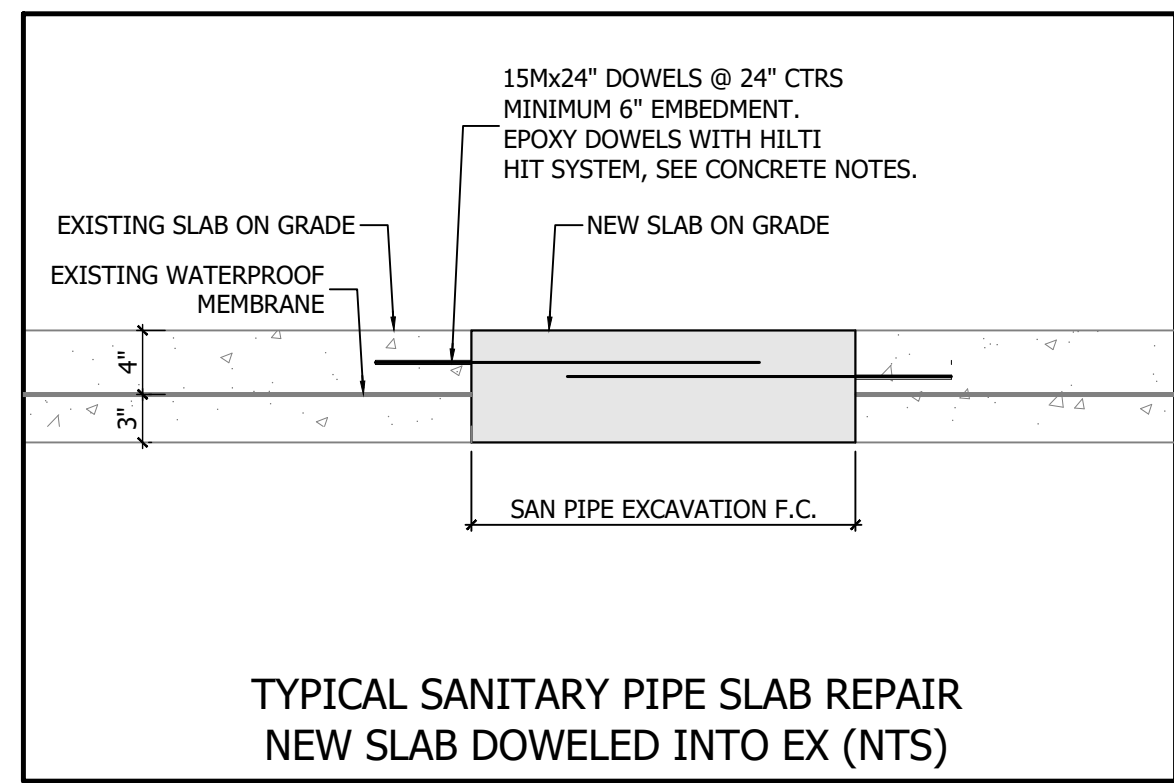
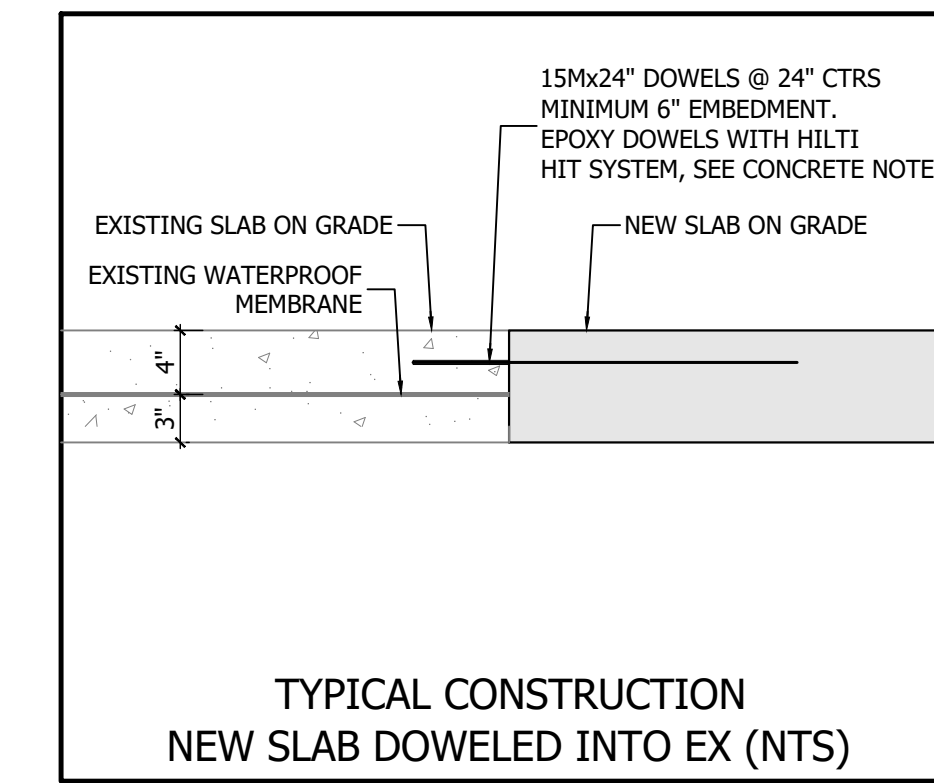
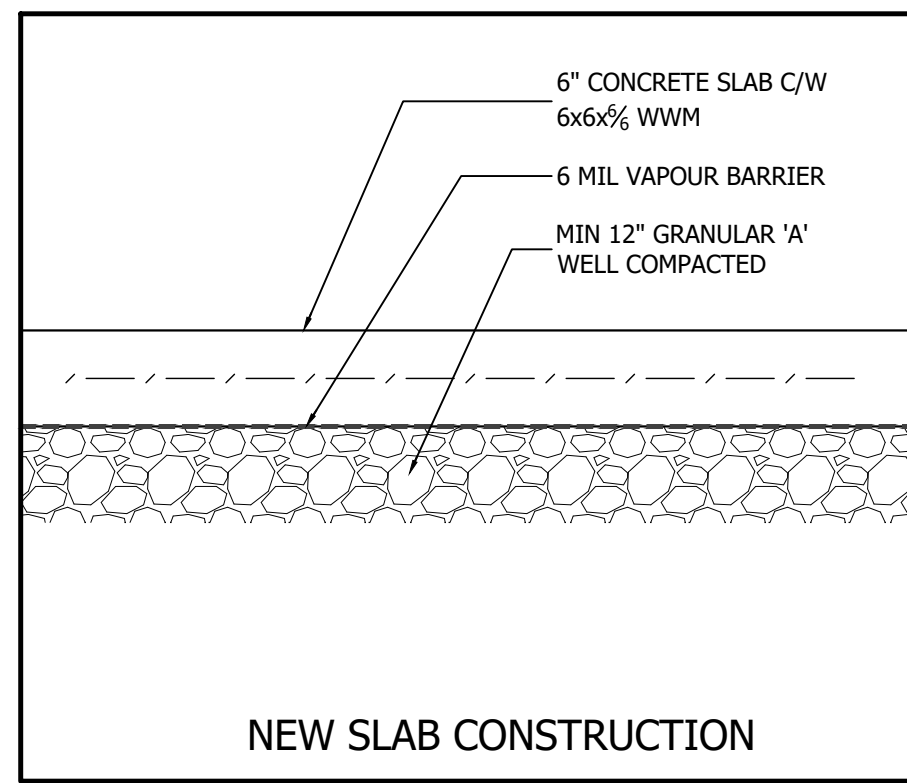
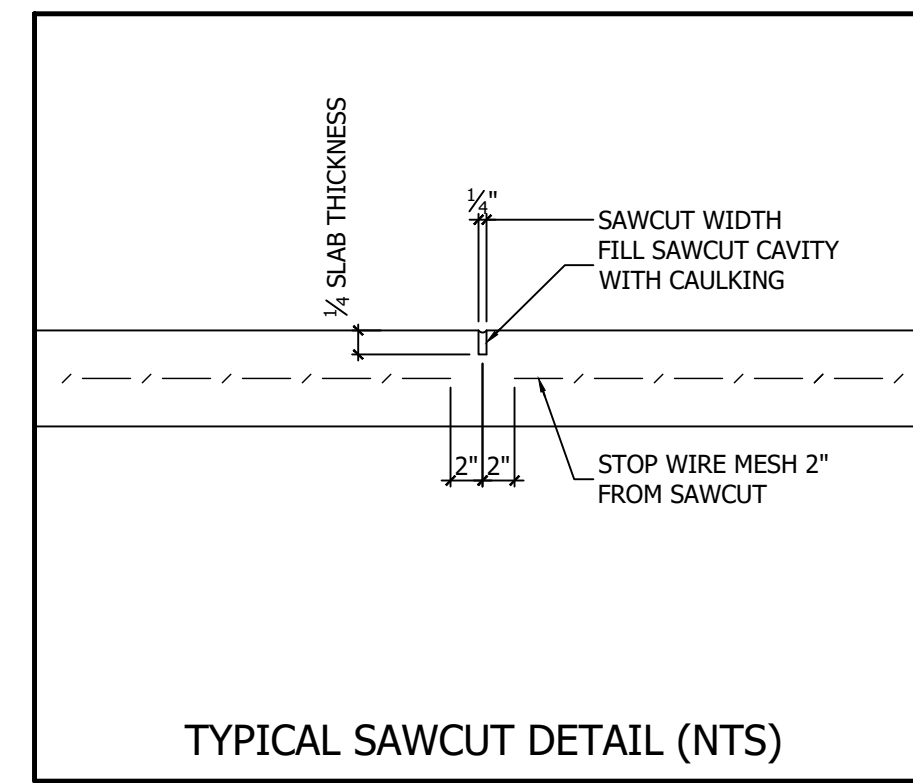
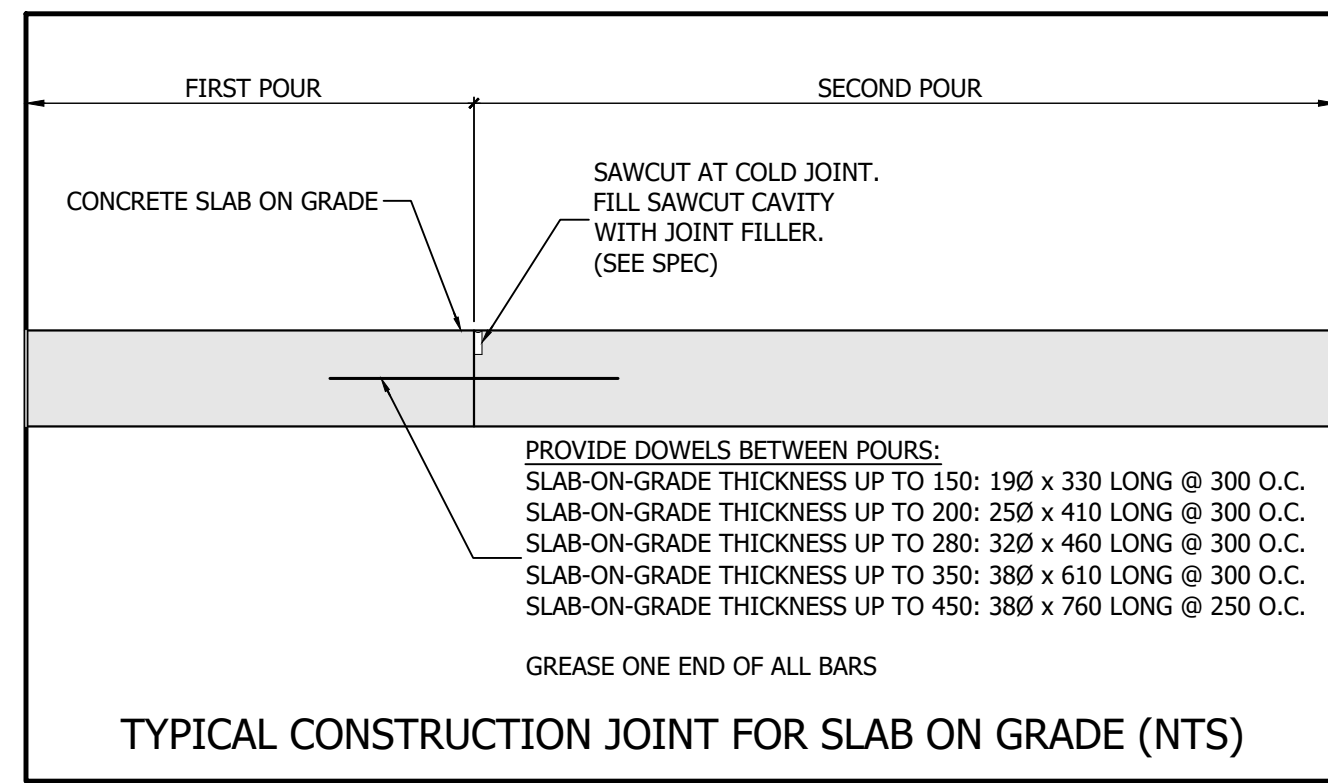
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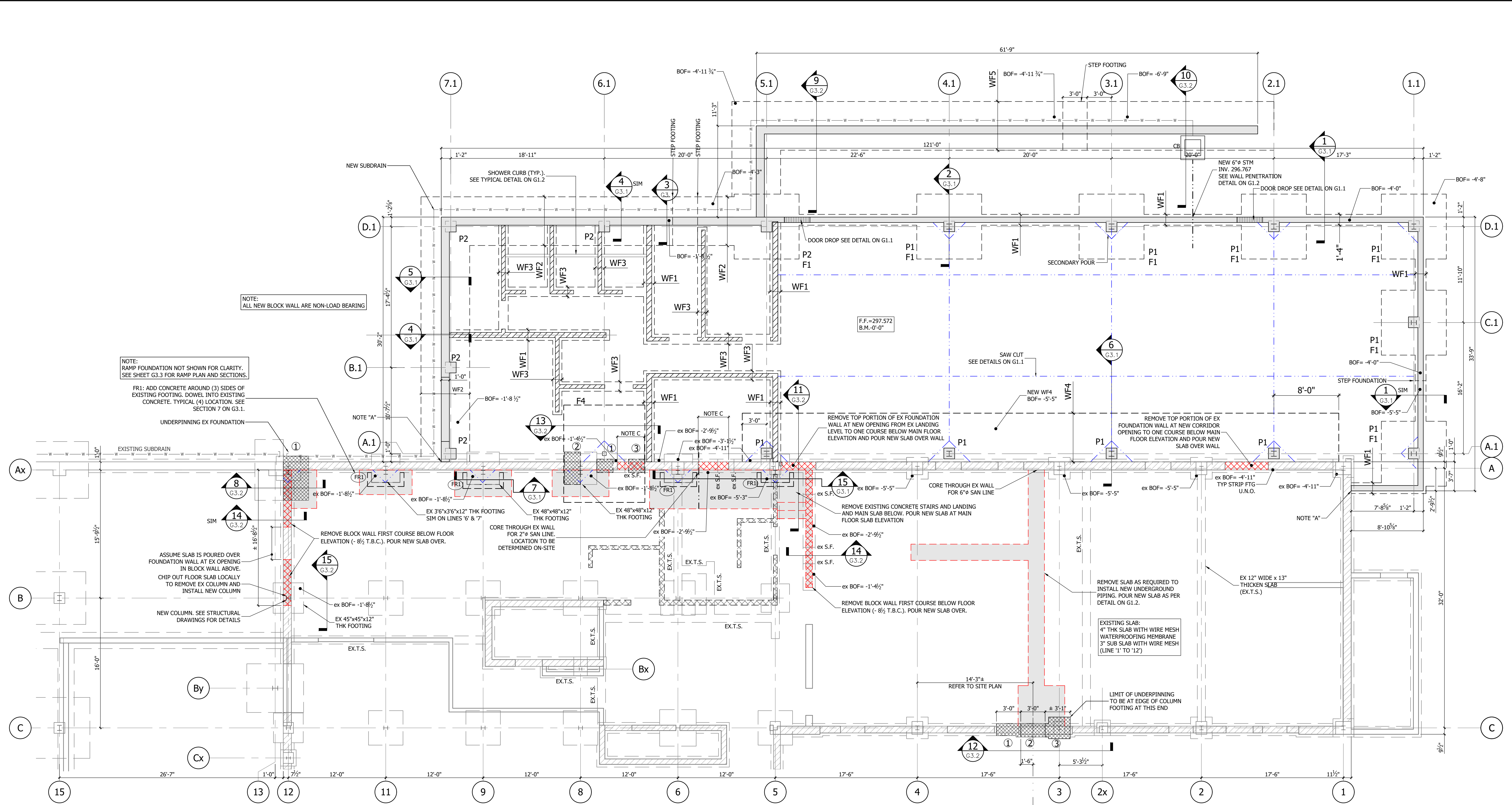


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WOODSTOCK, ONTARIO  
N4S 7V6

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NOTE:  
ALL NEW BLOCK WALL ARE NON-LOAD BEARING

NOTE:  
RAMP FOUNDATION NOT SHOWN FOR CLARITY.  
SEE SHEET G3.3 FOR RAMP PLAN AND SECTIONS.

FR1: ADD CONCRETE AROUND (3) SIDES OF  
EXISTING FOOTING. DOWEL INTO EXISTING  
CONCRETE. TYPICAL (4) LOCATION. SEE  
SECTION 7 ON G3.1.

UNDERPINNING EX FOUNDATION

EXISTING SUBDRAIN

ASSUME SLAB IS POURED OVER  
FOUNDATION WALL AT EX OPENING  
IN BLOCK WALL ABOVE.  
CHIP OUT FLOOR SLAB LOCALLY  
TO REMOVE EX COLUMN AND  
INSTALL NEW COLUMN

NEW COLUMN. SEE STRUCTURAL  
DRAWINGS FOR DETAILS

NOTE "A"

NOTE C

REMOVE TOP PORTION OF EX FOUNDATION  
WALL AT NEW OPENING FROM EX LANDING  
LEVEL TO ONE COURSE BELOW MAIN FLOOR  
ELEVATION AND POUR NEW SLAB OVER WALL

REMOVE TOP PORTION OF EX  
FOUNDATION WALL AT NEW CORRIDOR  
OPENING TO ONE COURSE BELOW MAIN  
FLOOR ELEVATION AND POUR NEW  
SLAB OVER WALL

REMOVE EXISTING CONCRETE STAIRS AND LANDING  
AND MAIN SLAB BELOW. POUR NEW SLAB AT MAIN  
FLOOR SLAB ELEVATION

REMOVE BLOCK WALL FIRST COURSE BELOW FLOOR  
ELEVATION (- 8 1/2" T.B.C.). POUR NEW SLAB OVER.

REMOVE SLAB AS REQUIRED TO  
INSTALL NEW UNDERGROUND  
PIPING. POUR NEW SLAB AS PER  
DETAIL ON G1.2.

EXISTING SLAB:  
4" THK SLAB WITH WIRE MESH  
WATERPROOFING MEMBRANE  
3" SUB SLAB WITH WIRE MESH  
(LINE 1' TO 12')

LIMIT OF UNDERPINNING  
TO BE AT EDGE OF COLUMN  
FOOTING AT THIS END

**LEGEND**

	NEW BLOCK WALL ON EX SLAB
	NEW BLOCK WALL ON FTG
	EXISTING BLOCK WALL ON EX SLAB
	APPROXIMATE OUTLINE OF EXISTING SLAB TO BE REMOVED AND NEW SLAB TO BE POURED. THICKNESS TO MATCH EXISTING (7"). DOWEL NEW SLAB INTO EXISTING.
	NEW FOUNDATION WALL

**NOTES:**

A. ELEVATION TO MATCH EXISTING MIN 4'-0" COVER. REQUIRED UNDERPINNING AS  
REQUIRED.

B. ALL EXCAVATIONS SHALL BE COMPLETELY DEWATERED DURING CONSTRUCTION TO  
PREVENT UPLIFT OF THE STRUCTURE. KEEP EXCAVATION DEWATERED TO AT LEAST  
12" (300MM) BELOW LOWEST ELEVATION OF EXCAVATION.

C. REMOVE MIN 8" OF TOP OF EXISTING FOUNDATION WALL AT NEW OPENINGS. POUR  
NEW SLAB OVER.

**PROPOSED FOUNDATION PLAN**  
SCALE: 3/16" = 1'-0"

ELEVATIONS OF EXISTING FOOTING SHOWN ARE TAKEN FROM ORIGINAL DESIGN DRAWINGS.  
ELEVATIONS ARE TO BE CONFIRMED ON SITE. REPORT TO SPH ENGINEERING IF ELEVATIONS  
ARE DIFFERENT THAN SHOWN TO ENSURE NEW FOOTING DESIGN WILL NOT BE AFFECTED.

-S.F. DENOTES: STEP FOOTING

**ALL EXCAVATIONS SHALL BE COMPLETELY DEWATERED DURING  
CONSTRUCTION TO PREVENT UPLIFT OF THE STRUCTURE. KEEP  
EXCAVATION DEWATERED TO AT LEAST 12" (300MM) BELOW LOWEST  
ELEVATION OF EXCAVATION. SEE SOILS REPORTS BY EXP FOR DEWATERING  
RECOMMENDATIONS**

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DATE	2024-07-24	REV.	BY	DESCRIPTION	DATE
DRAWN	AA	CHECKED	JH	PROJECT NUMBER	21367
DATE	2022-07-12	SCALE	AS NOTED	FILE NAME	21367MAIN16
				SHEET SIZE	24x36
				DRAWING	<b>G2.1</b>

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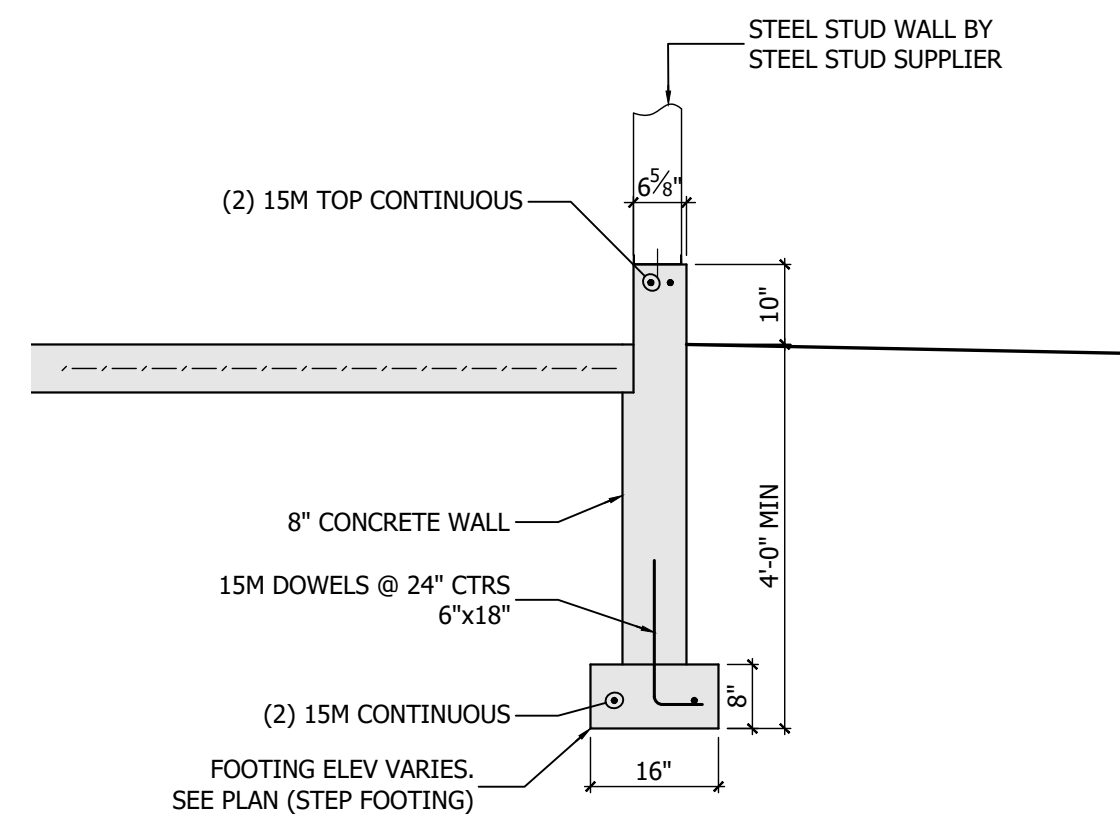
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**ADDITION  
AND  
RENOVATION**

DRAWING  
**FOUNDATION PLAN**

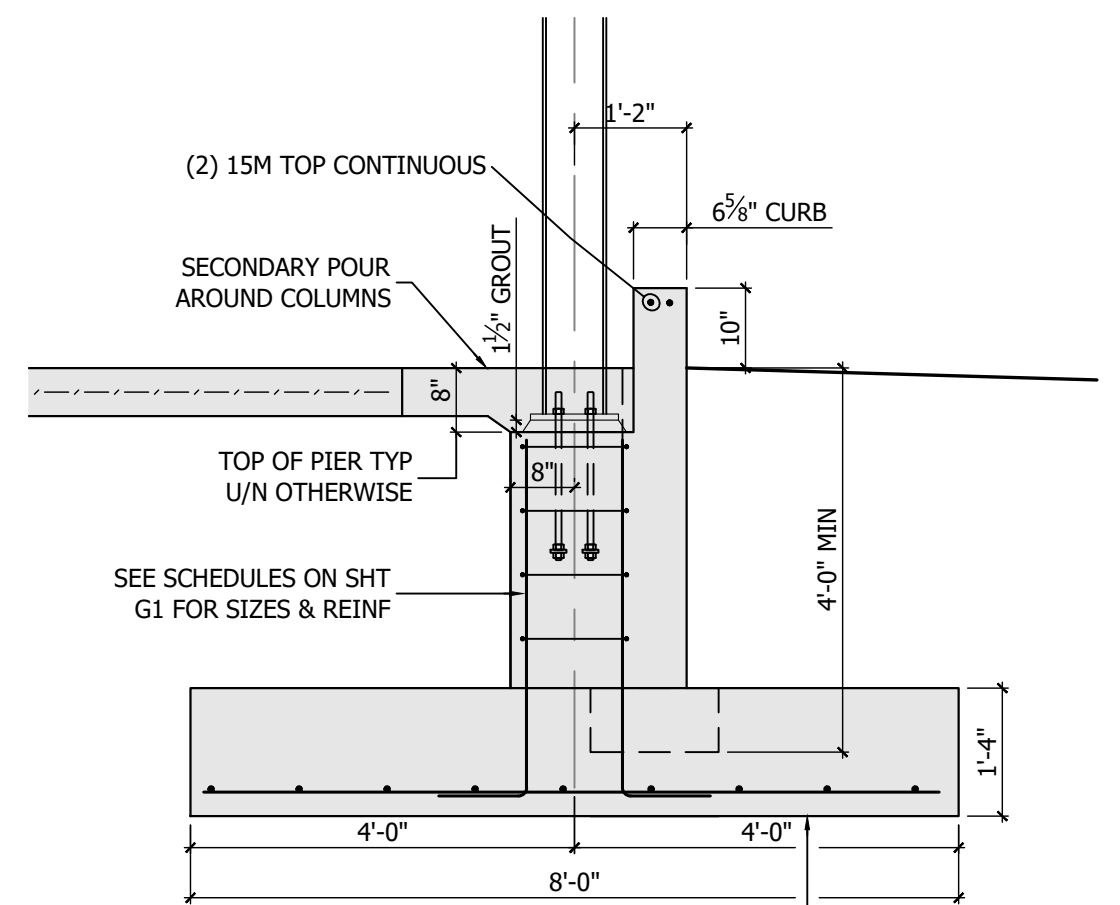
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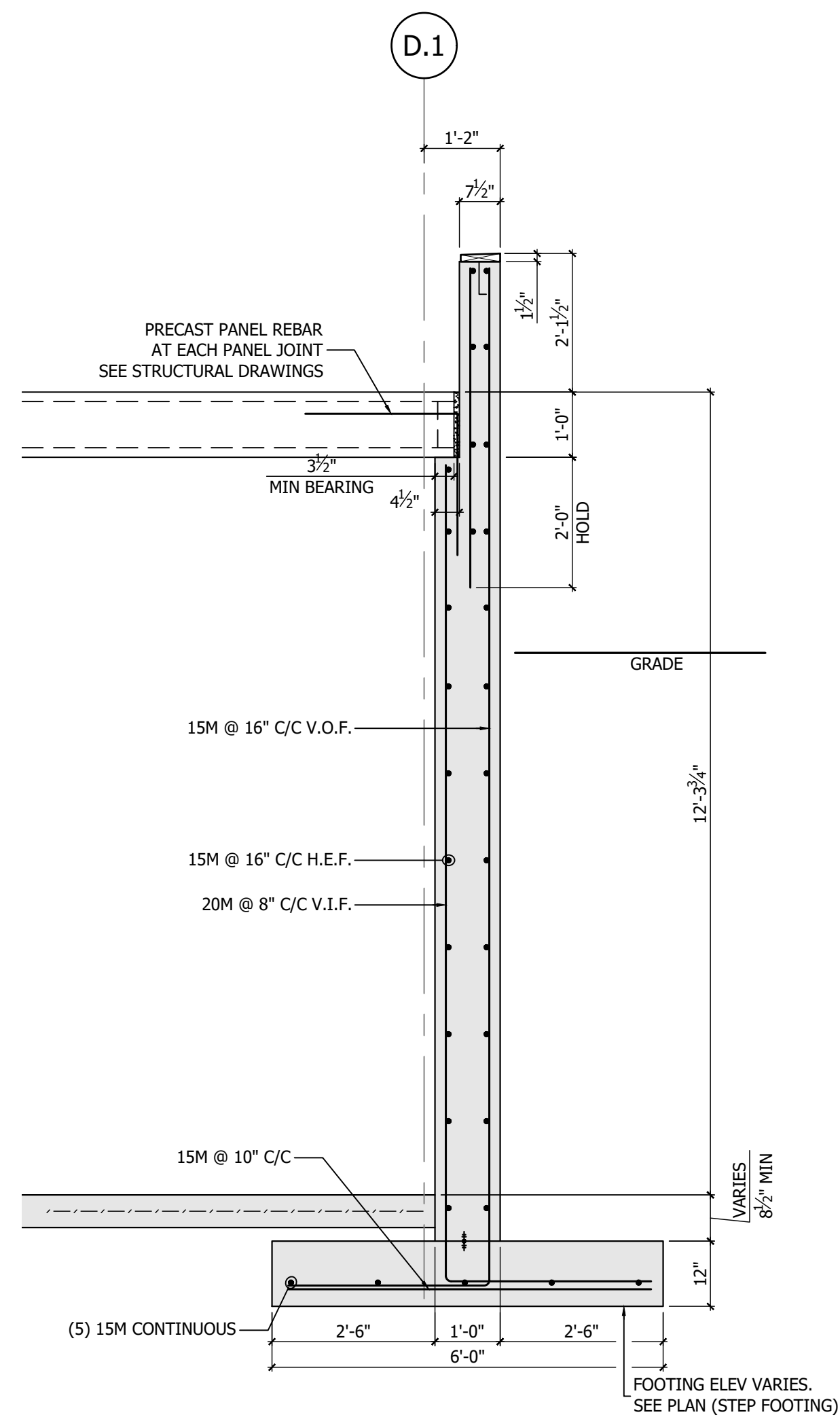
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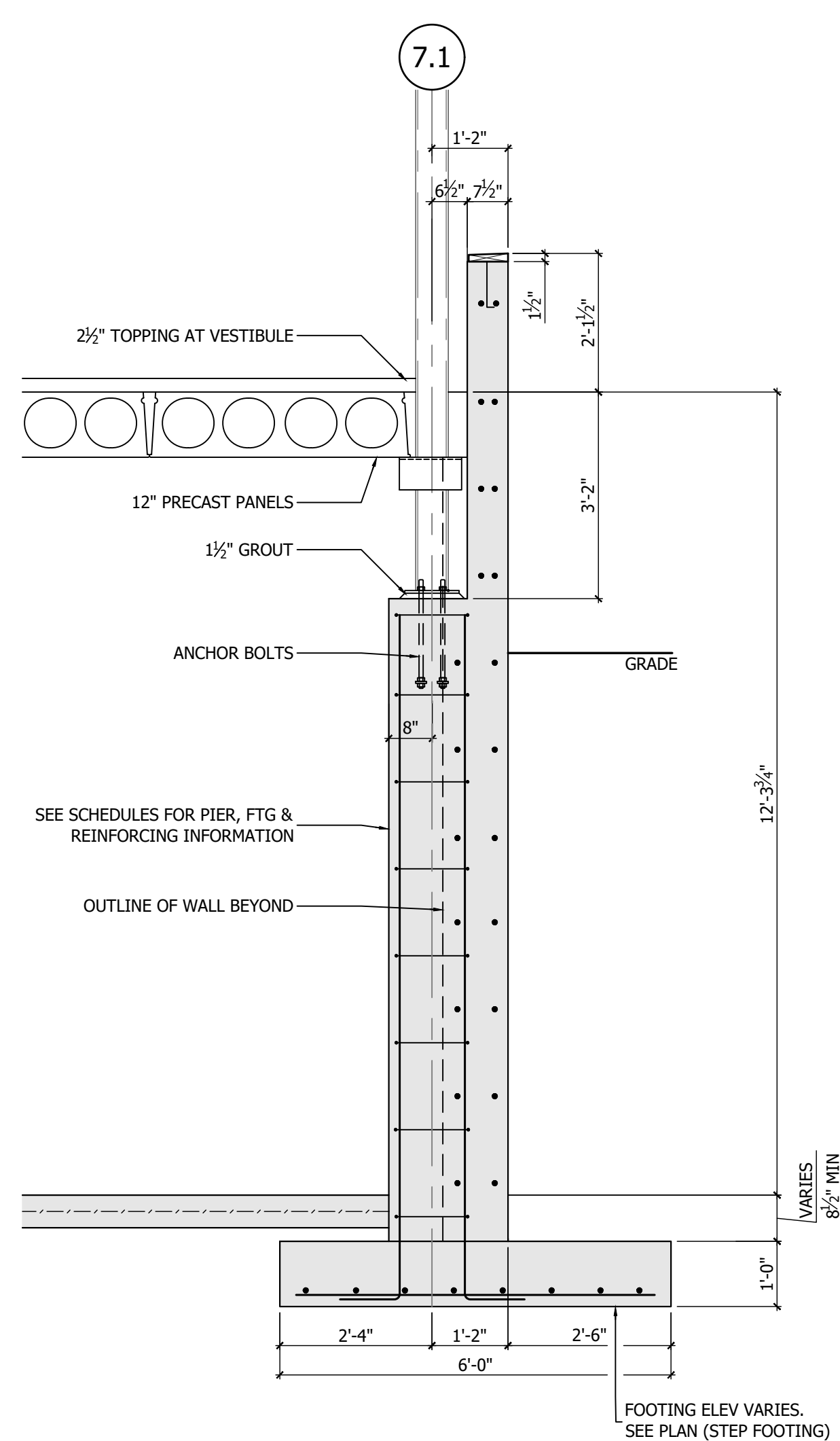
1 SECTION  
G2.1 SCALE: 1/2" = 1'-0"



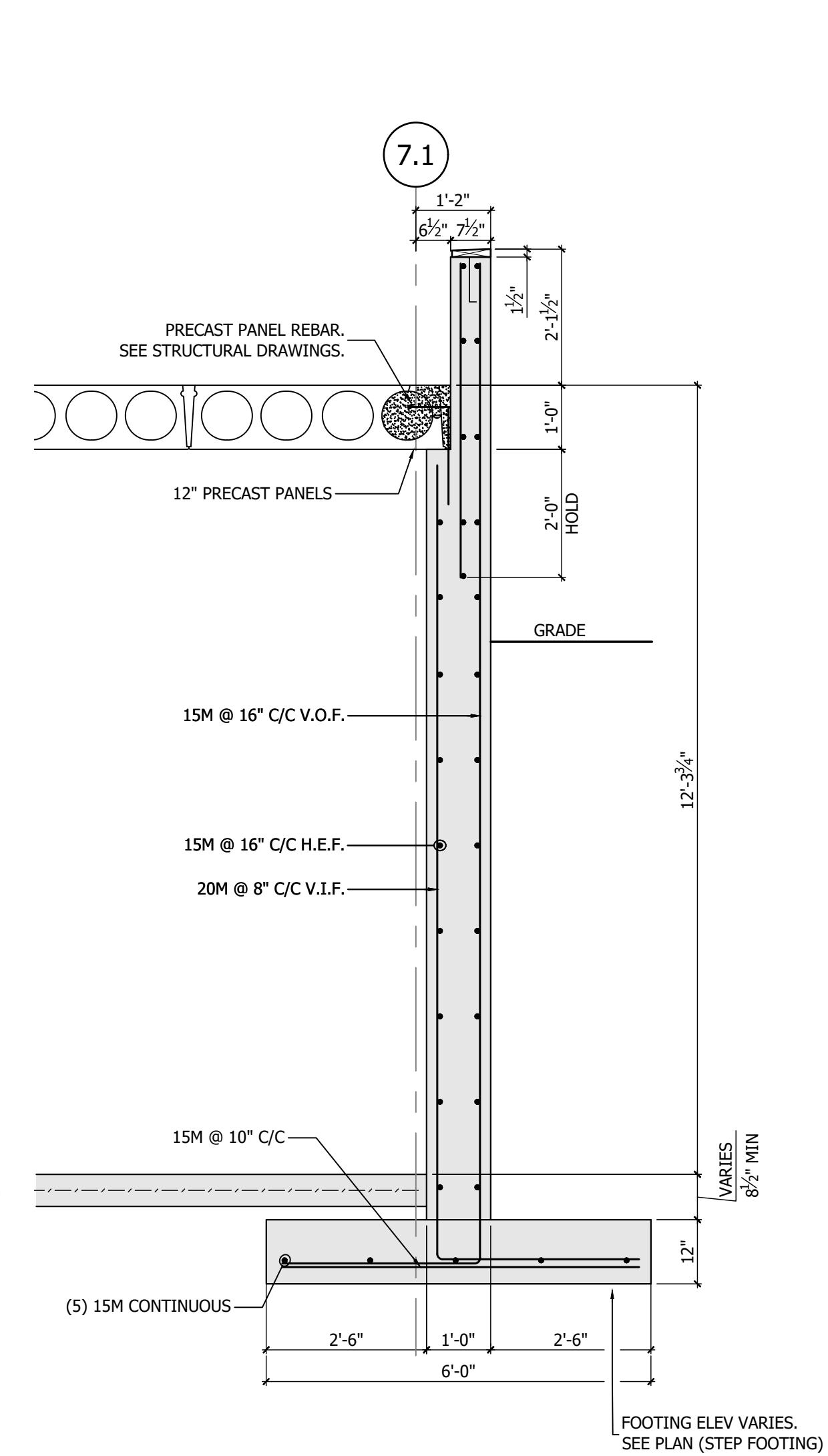
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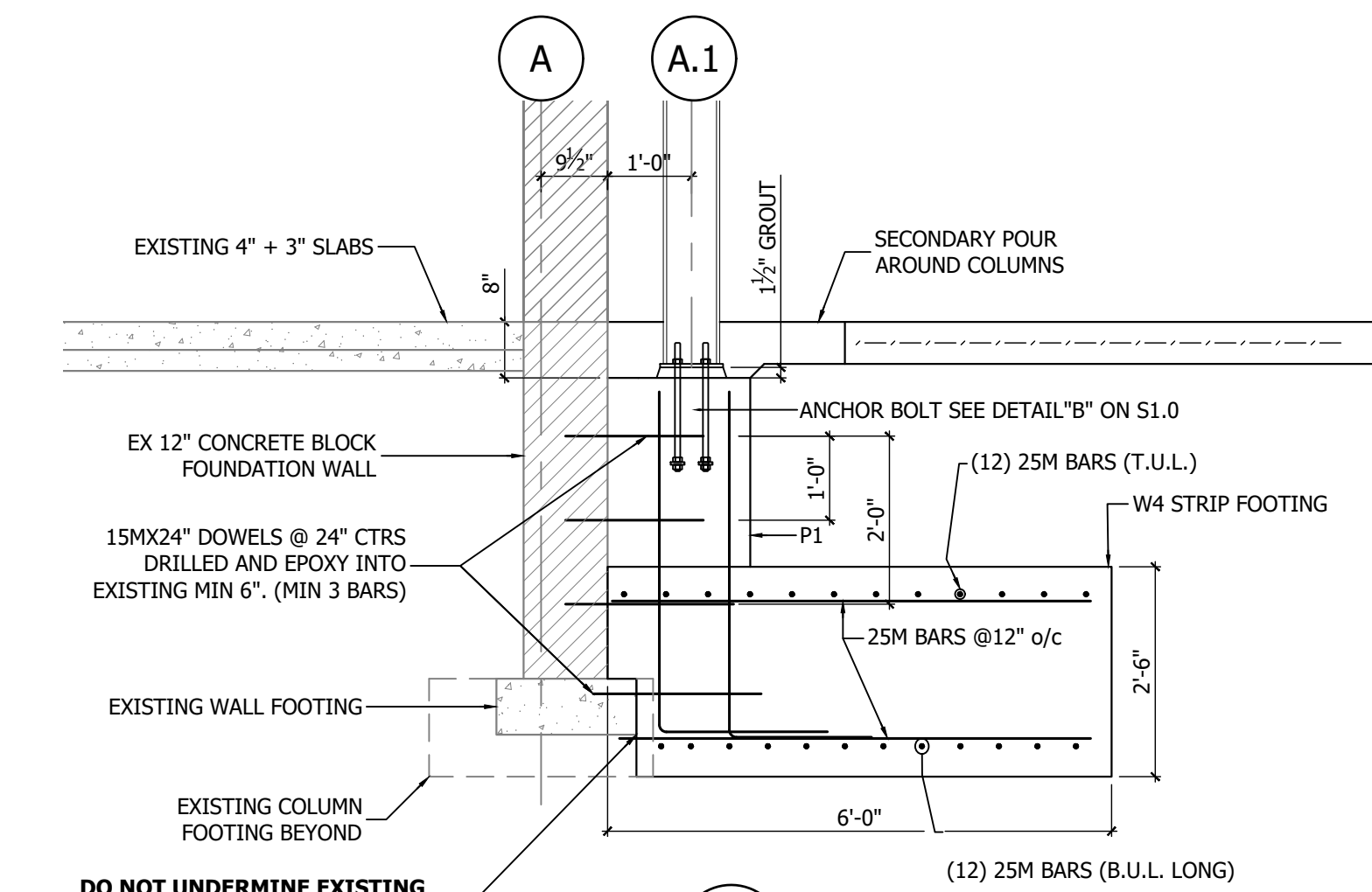
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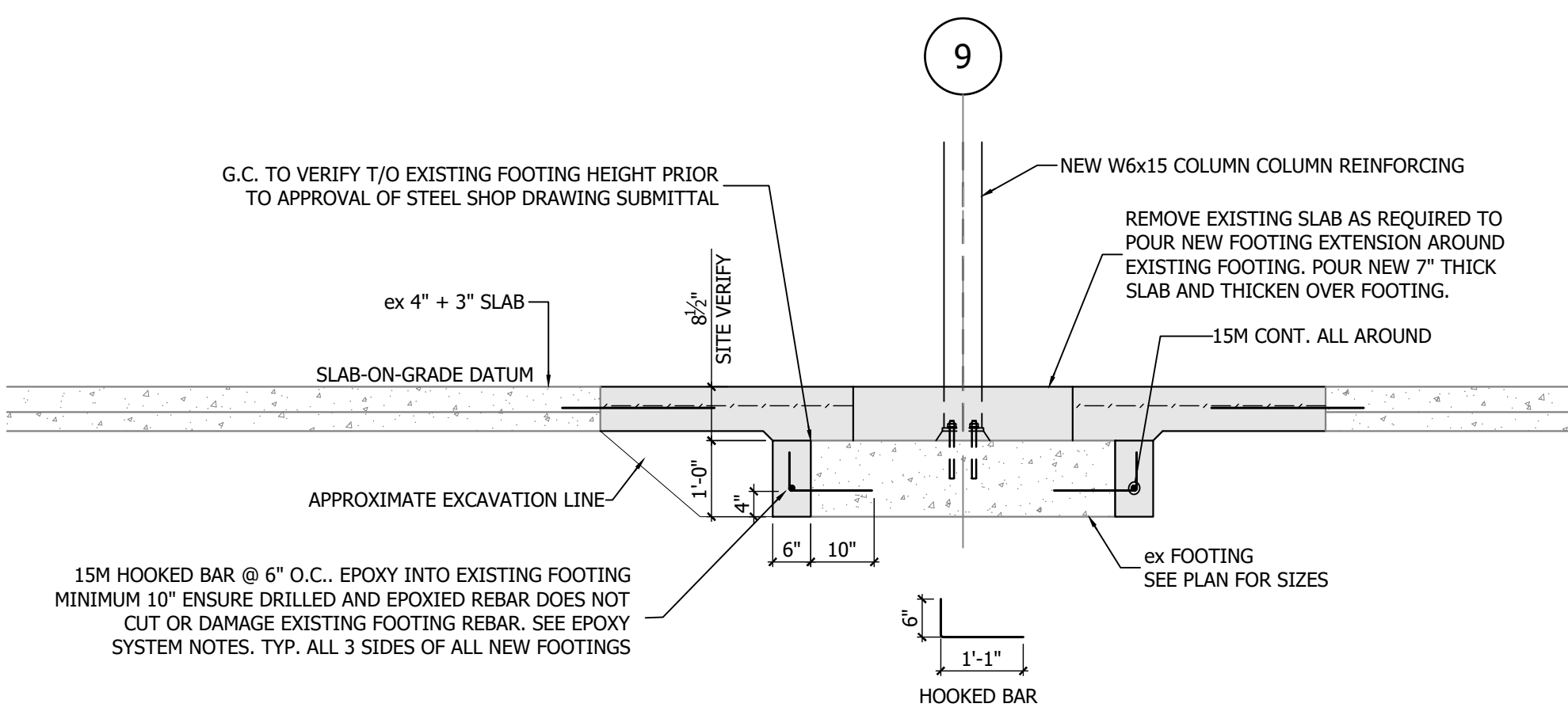
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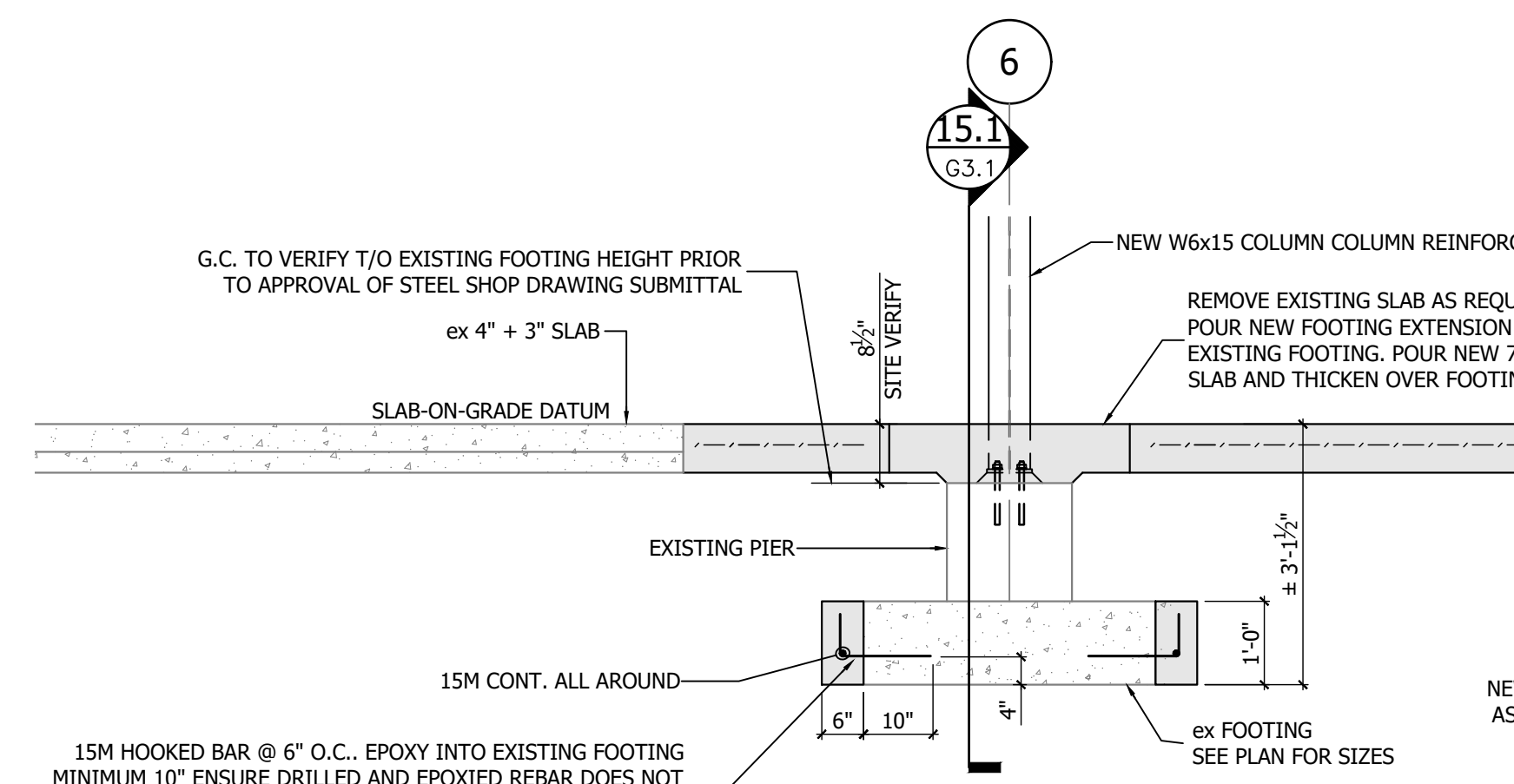
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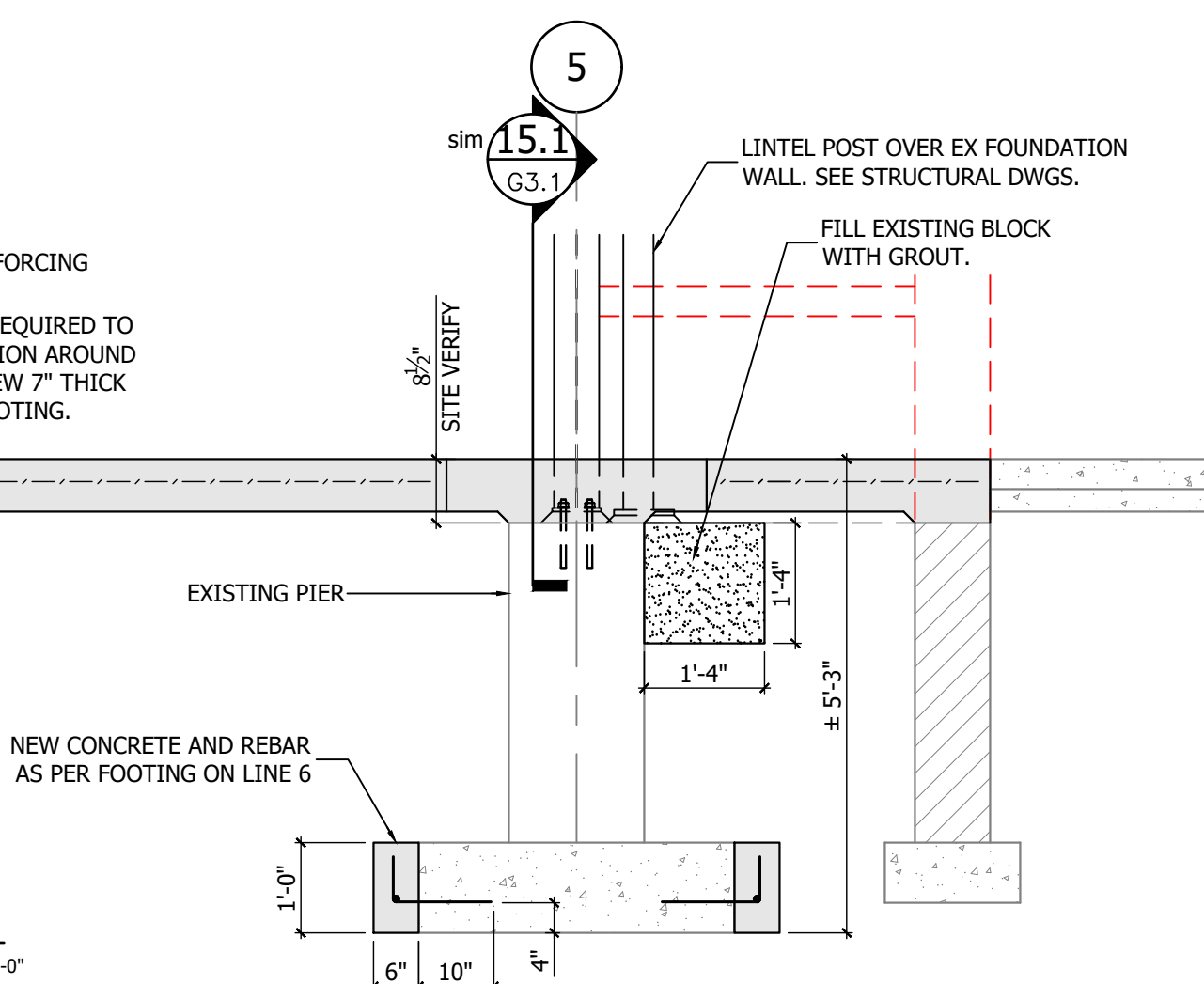
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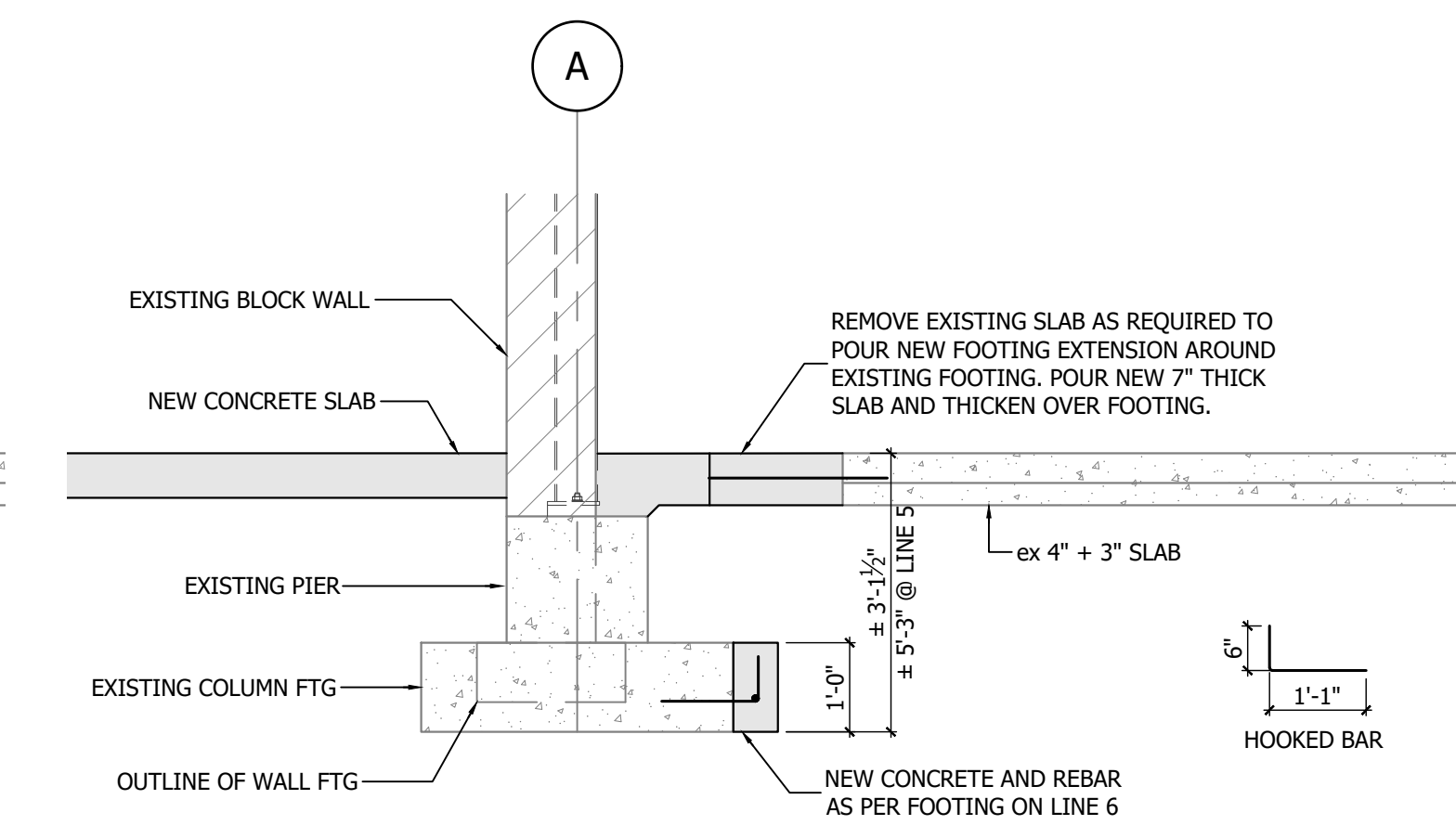
7 SECTION  
G2.1 SCALE: 1/2" = 1'-0"



15 SECTION  
G2.1 SCALE: 1/2" = 1'-0"



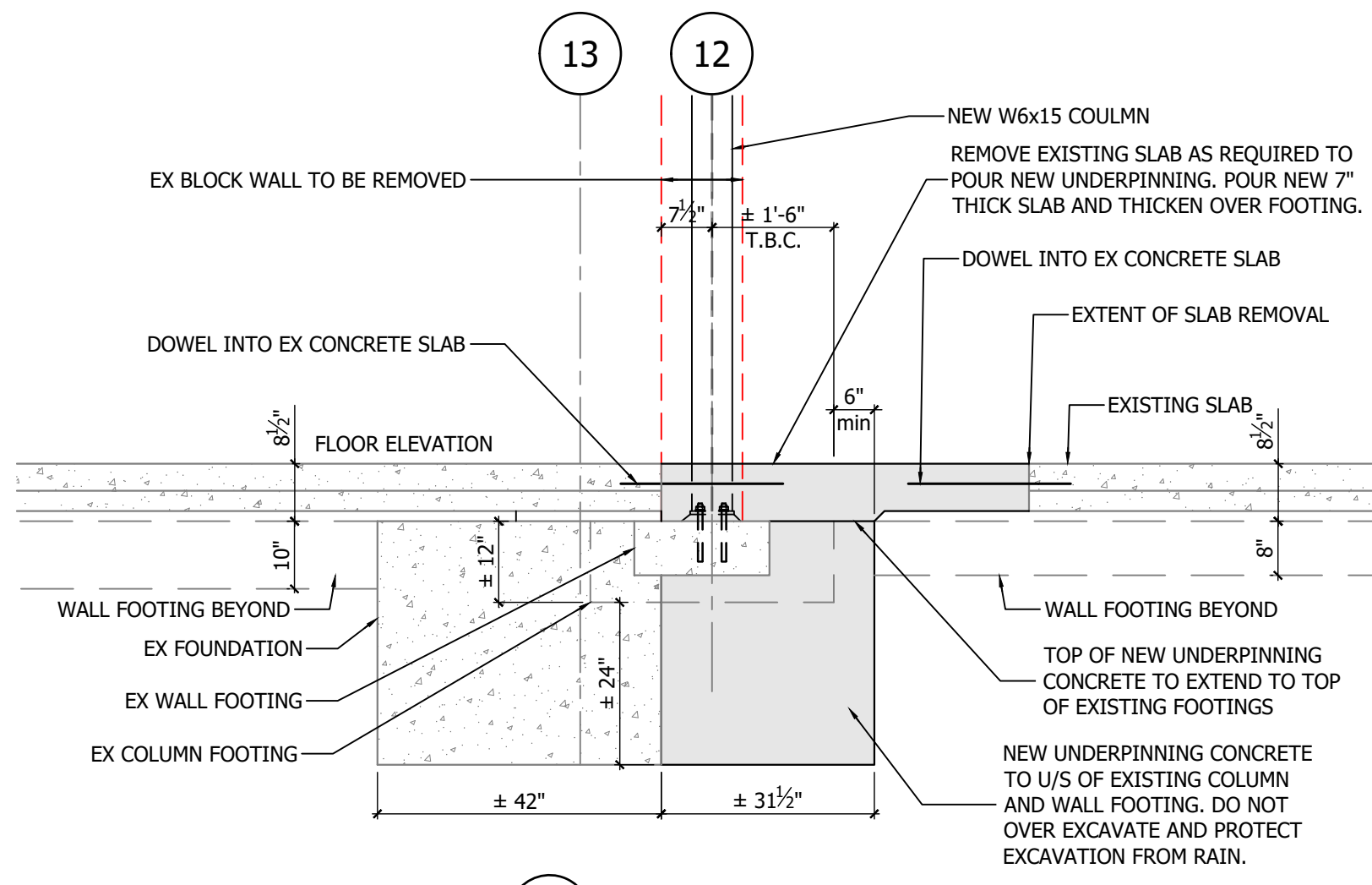
5 SECTION  
G3.1 SCALE: 1/2" = 1'-0"



15.1 SECTION  
G3.1 SCALE: 1/2" = 1'-0"

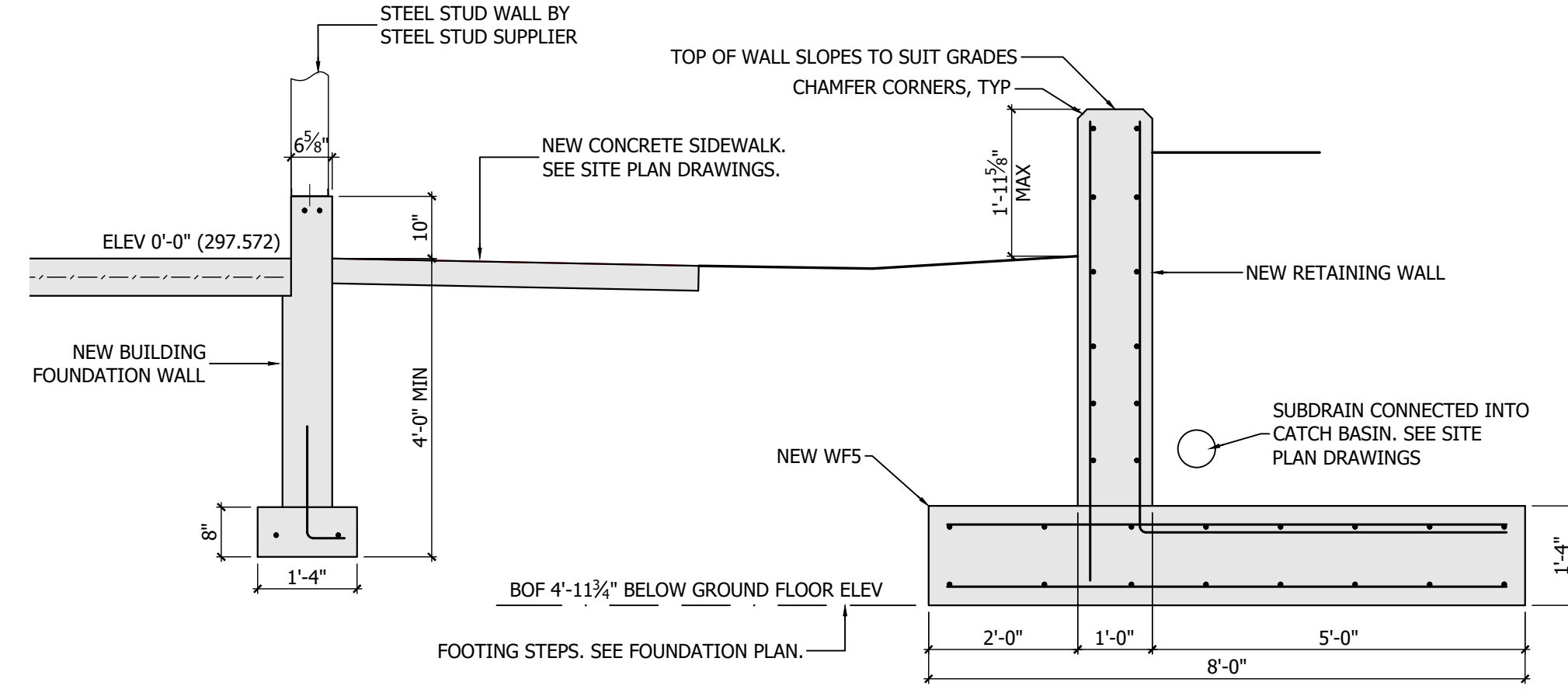
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DATE: 2024-07-24							
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DATE: 2022-07-12	SCALE: AS NOTED	FILE NAME: 21367MAIN16	DRAWING: G3.1				



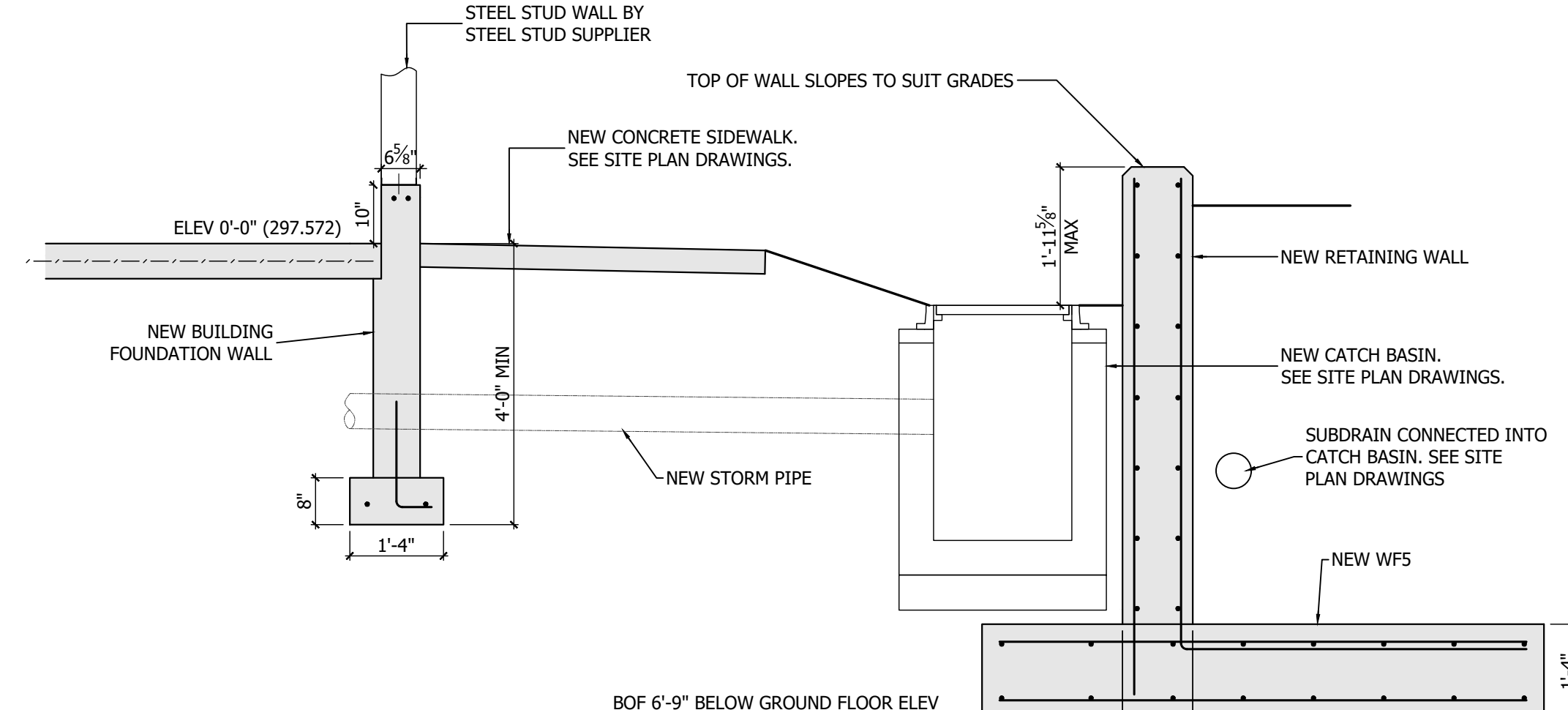


**8 SECTION**  
G2.1 SCALE: 1/2" = 1'-0"

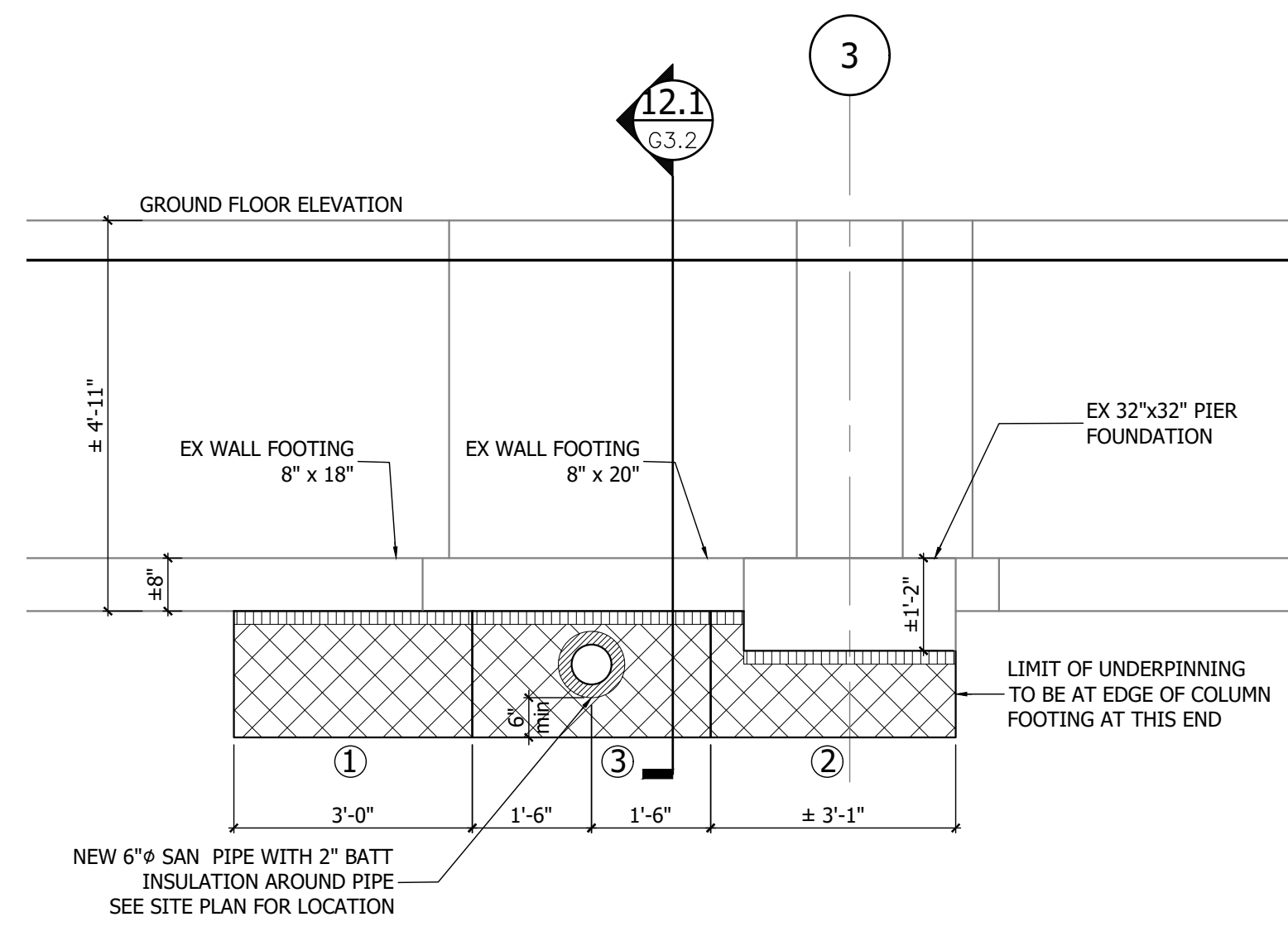
UNDERPINNING NOTES:  
 - EXCAVATE UNDER EXISTING SLAB 31 1/2" WIDE (U.N.O.) STARTING AT #1 SECTIONS.  
 - POUR CONCRETE FOR #1 SECTIONS CONCRETE SLAB REPAIR MONOLITHICALLY.



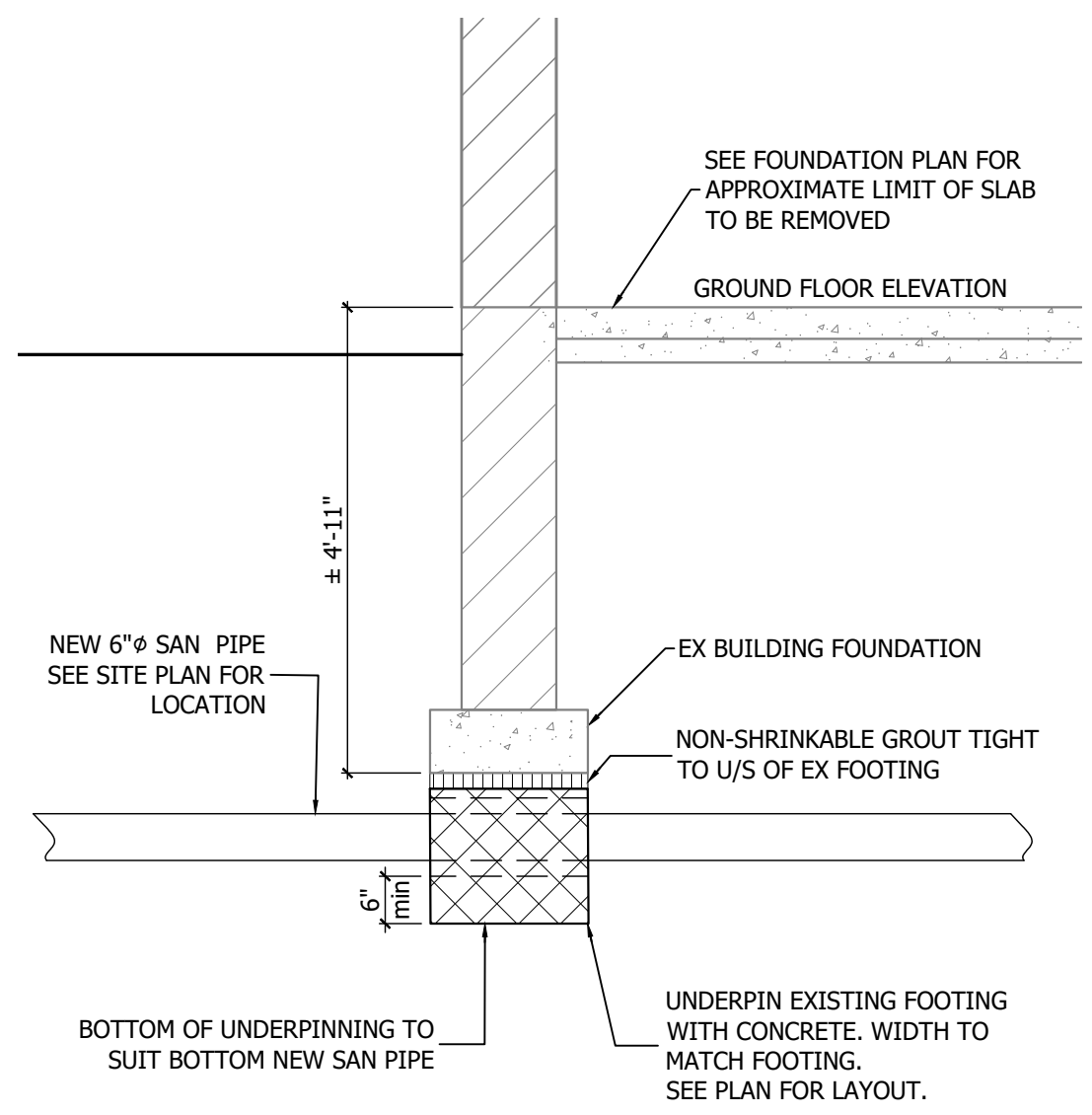
**9 SECTION**  
G2.1 SCALE: 1/2" = 1'-0"



**10 SECTION**  
G2.1 SCALE: 1/2" = 1'-0"

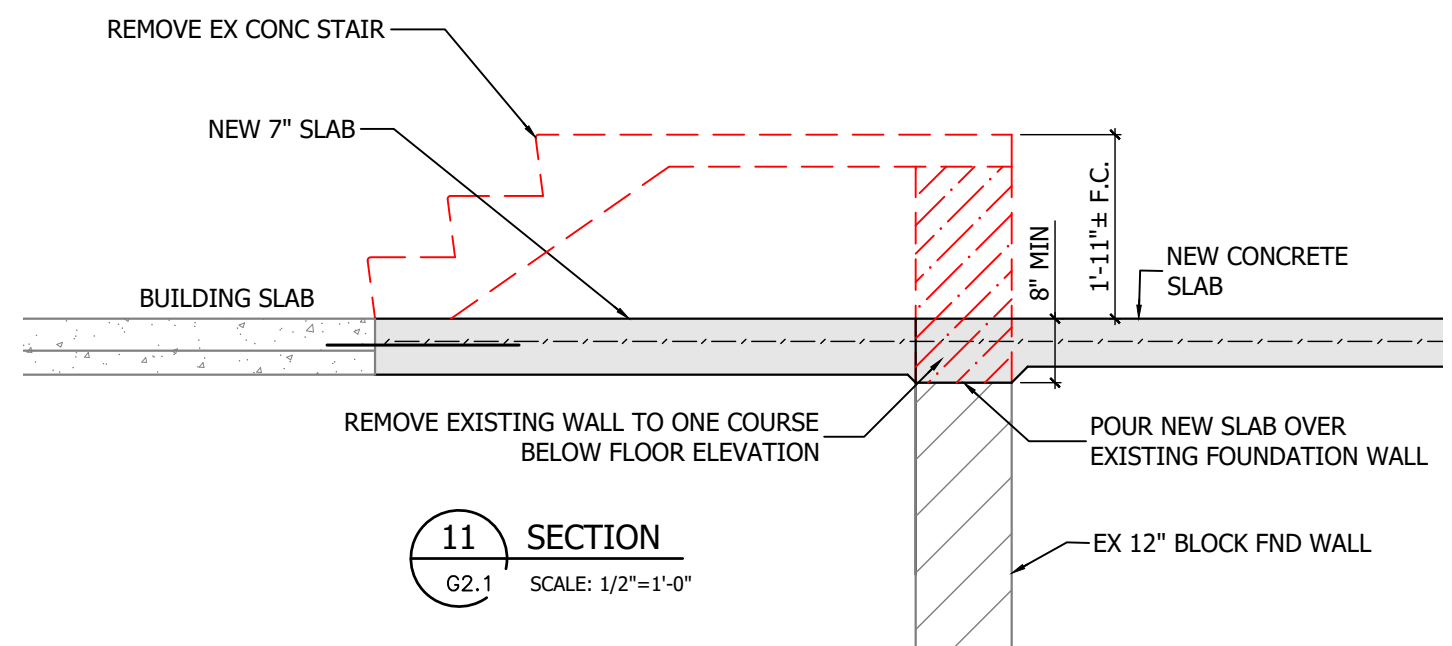


**12 SECTION**  
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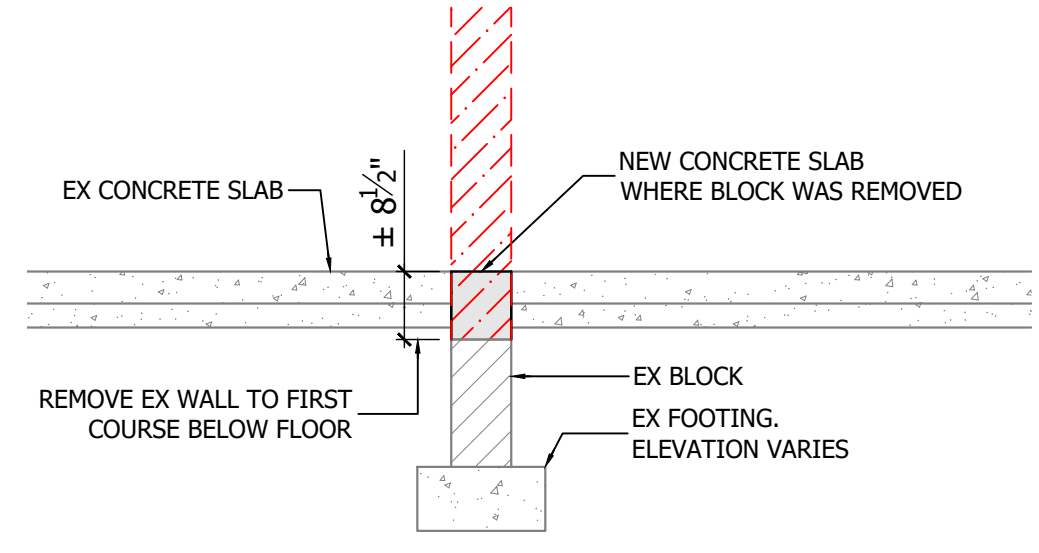


**12.1 UNDERPINNING SECTION**  
G3.2 1/2" = 1'-0"

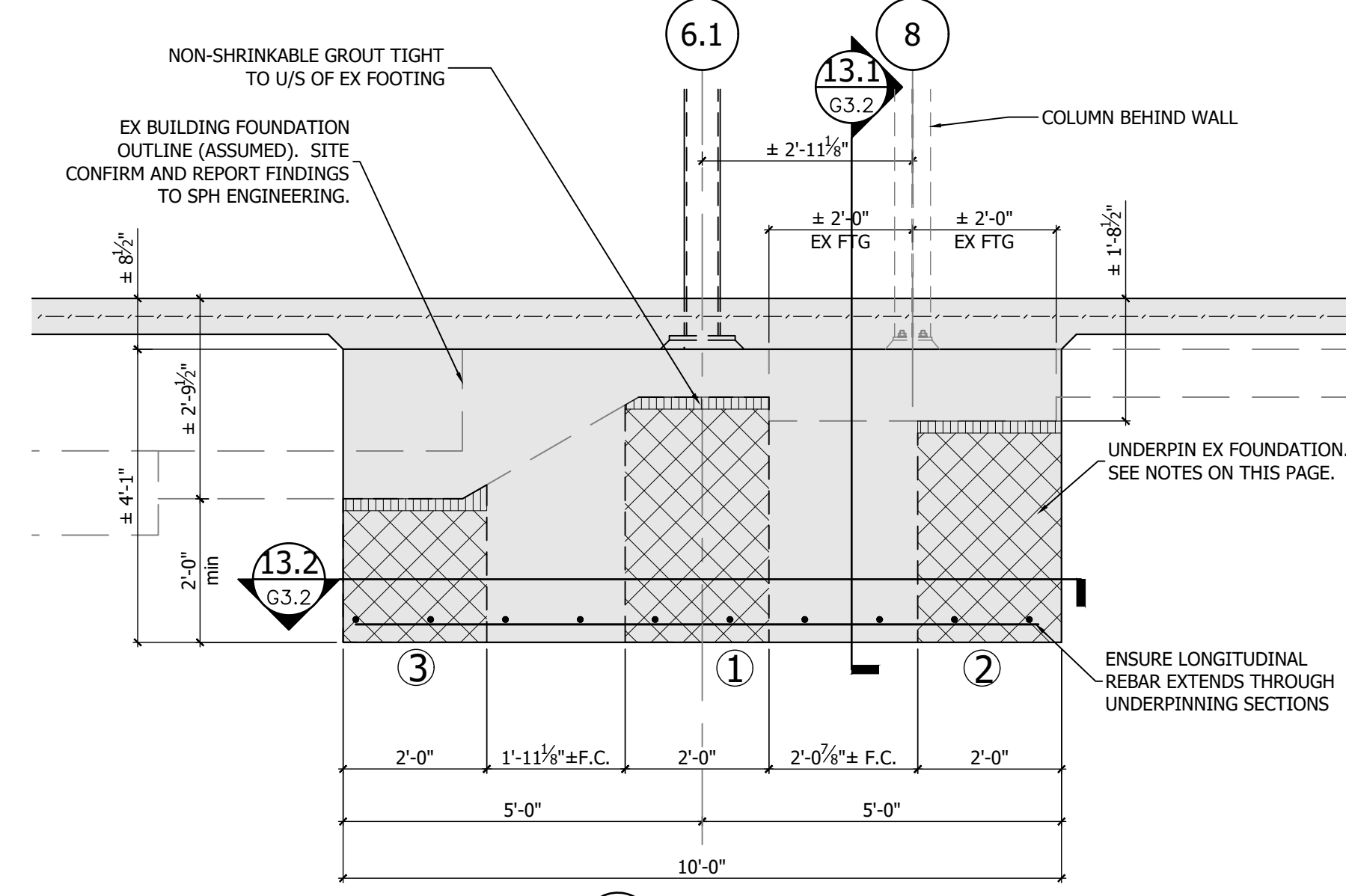
UNDERPINNING NOTES:  
 - EXCAVATE UNDER EXISTING SLAB 36" WIDE (U.N.O.) STARTING AT #1 SECTIONS.  
 - POUR CONCRETE FOR #1 SECTIONS AND GROUT IN CAVITY AT TOP.  
 - AFTER #1 SECTION ARE COMPLETED THEN DO THE SAME FOR #2 SECTION.  
 - AFTER #2 SECTION ARE COMPLETED THEN DO THE SAME FOR #3 SECTION.



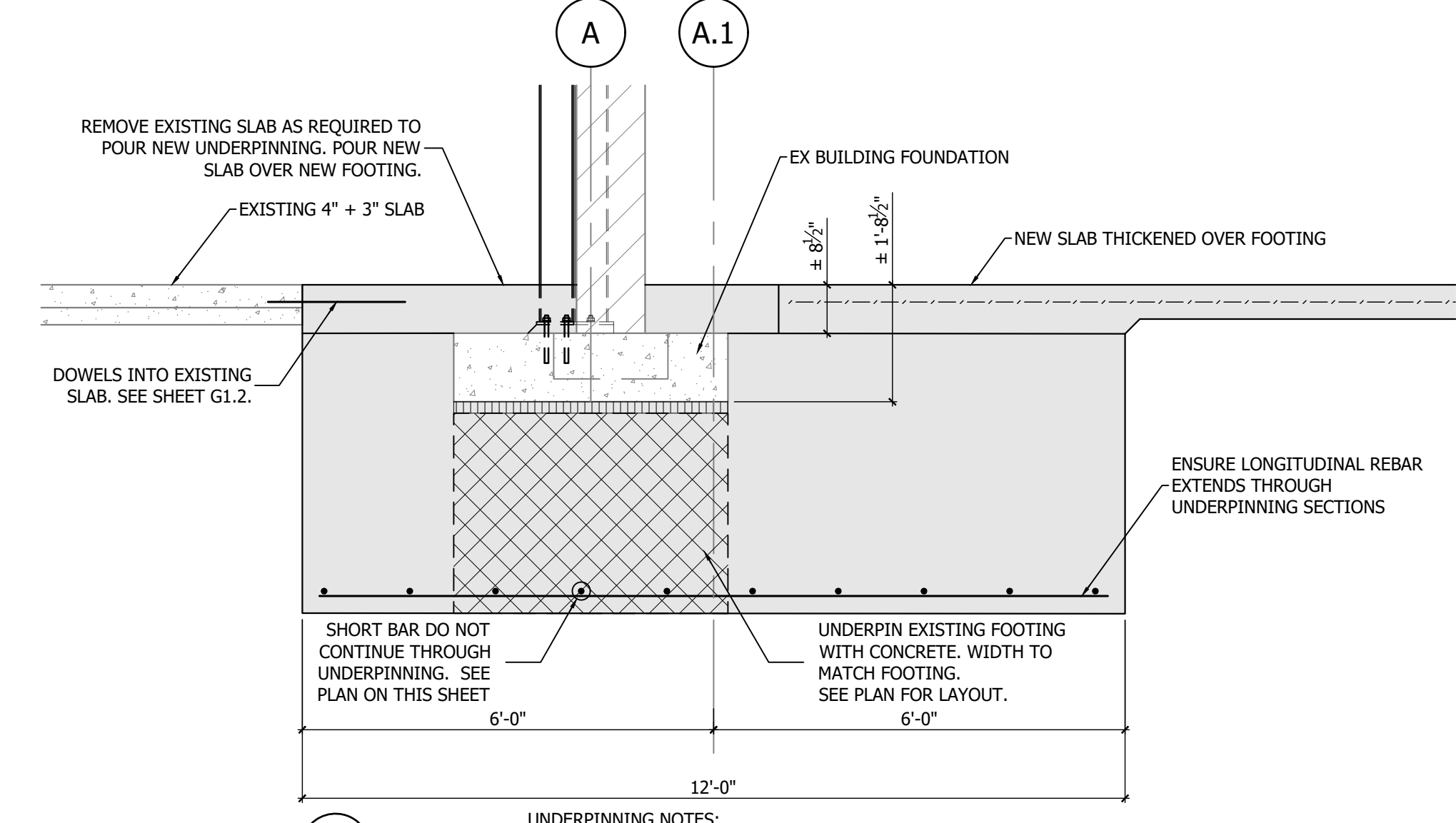
**11 SECTION**  
G2.1 SCALE: 1/2" = 1'-0"



**14 SECTION**  
G2.1 SCALE: 1/2" = 1'-0"

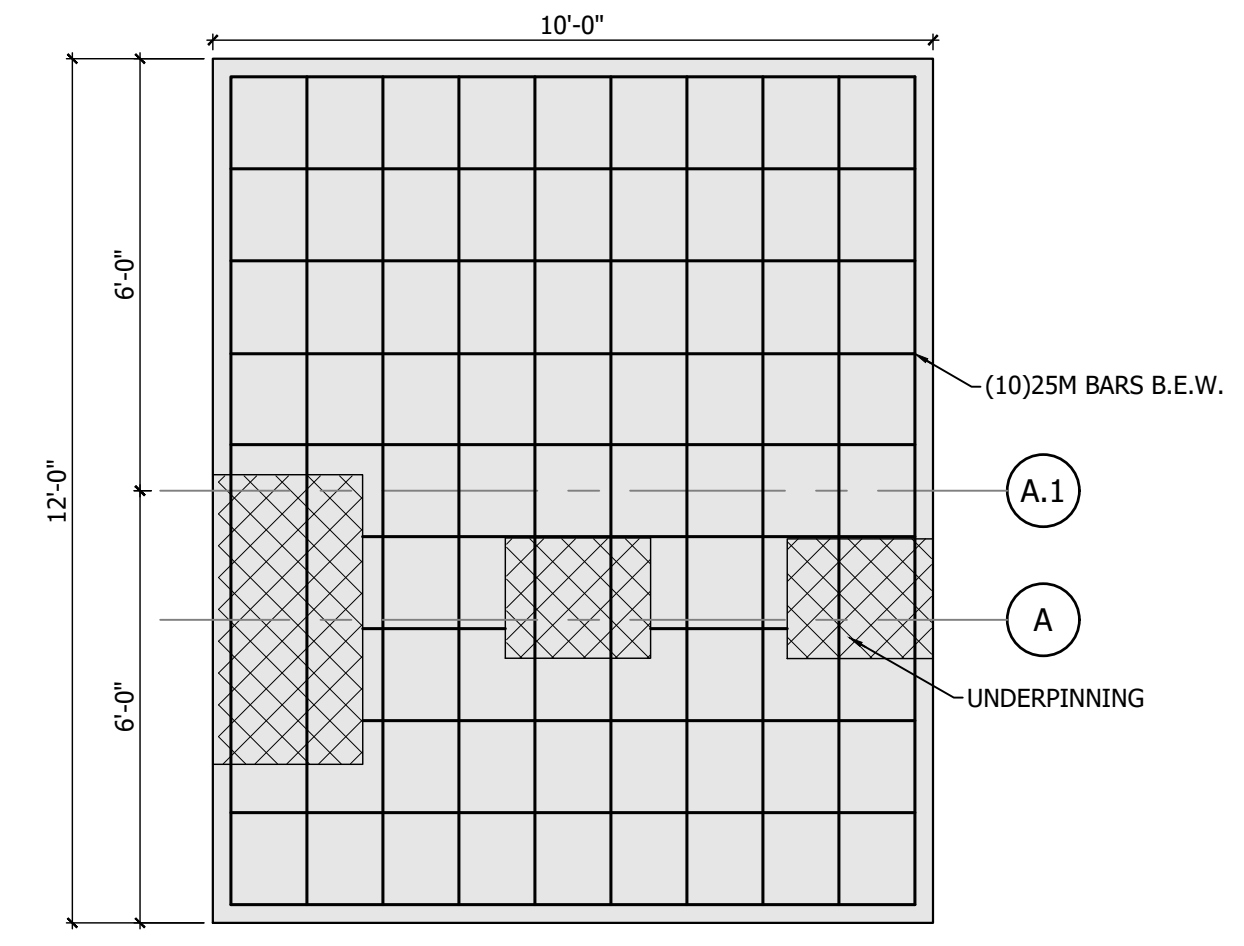


**13 SECTION**  
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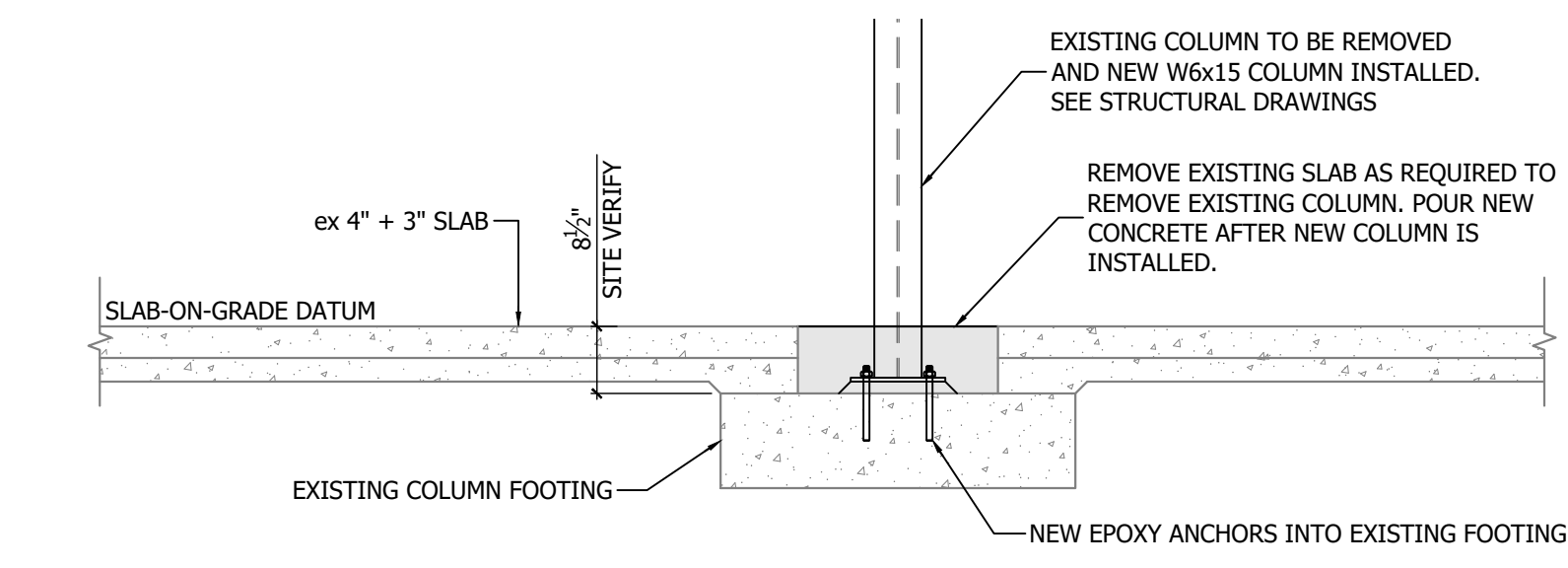
**13.1 SECTION**  
G3.2 SCALE: 1/2" = 1'-0"

UNDERPINNING NOTES:  
 - EXCAVATE UNDER EXISTING SLAB 24" WIDE (U.N.O.) STARTING AT #1 SECTIONS.  
 - POUR CONCRETE FOR #1 SECTIONS AND GROUT IN CAVITY AT TOP.  
 - AFTER #1 SECTION ARE COMPLETED THEN DO THE SAME FOR #2 SECTION.  
 - AFTER #2 SECTION ARE COMPLETED THEN DO THE SAME FOR #3 SECTION.

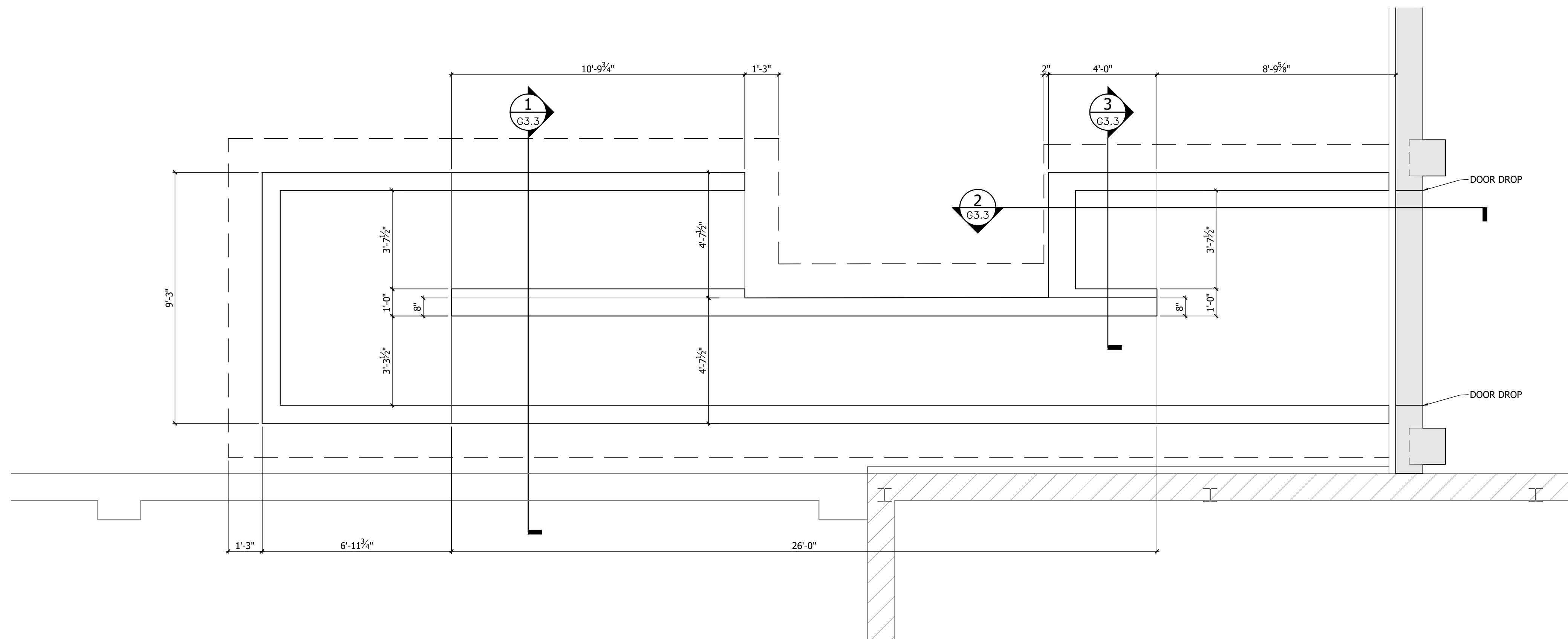


**13.3 SECTION**  
G3.2 SCALE: 3/8" = 1'-0"

ENSURE LONGITUDINAL REBAR EXTENDS THROUGH UNDERPINNING SECTIONS ON EITHER SIDE (TYP.)



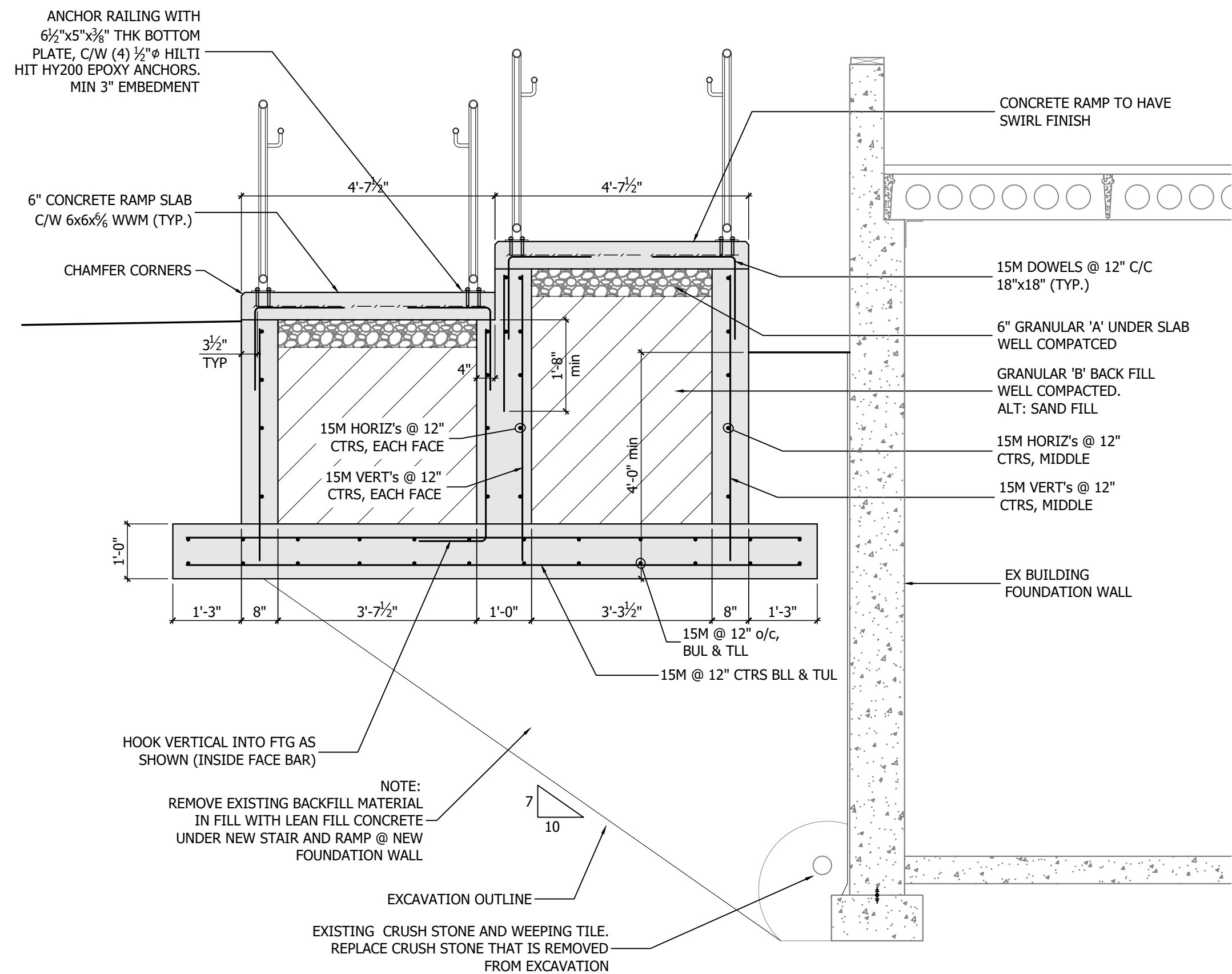
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G2.1 SCALE: 1/2" = 1'-0"



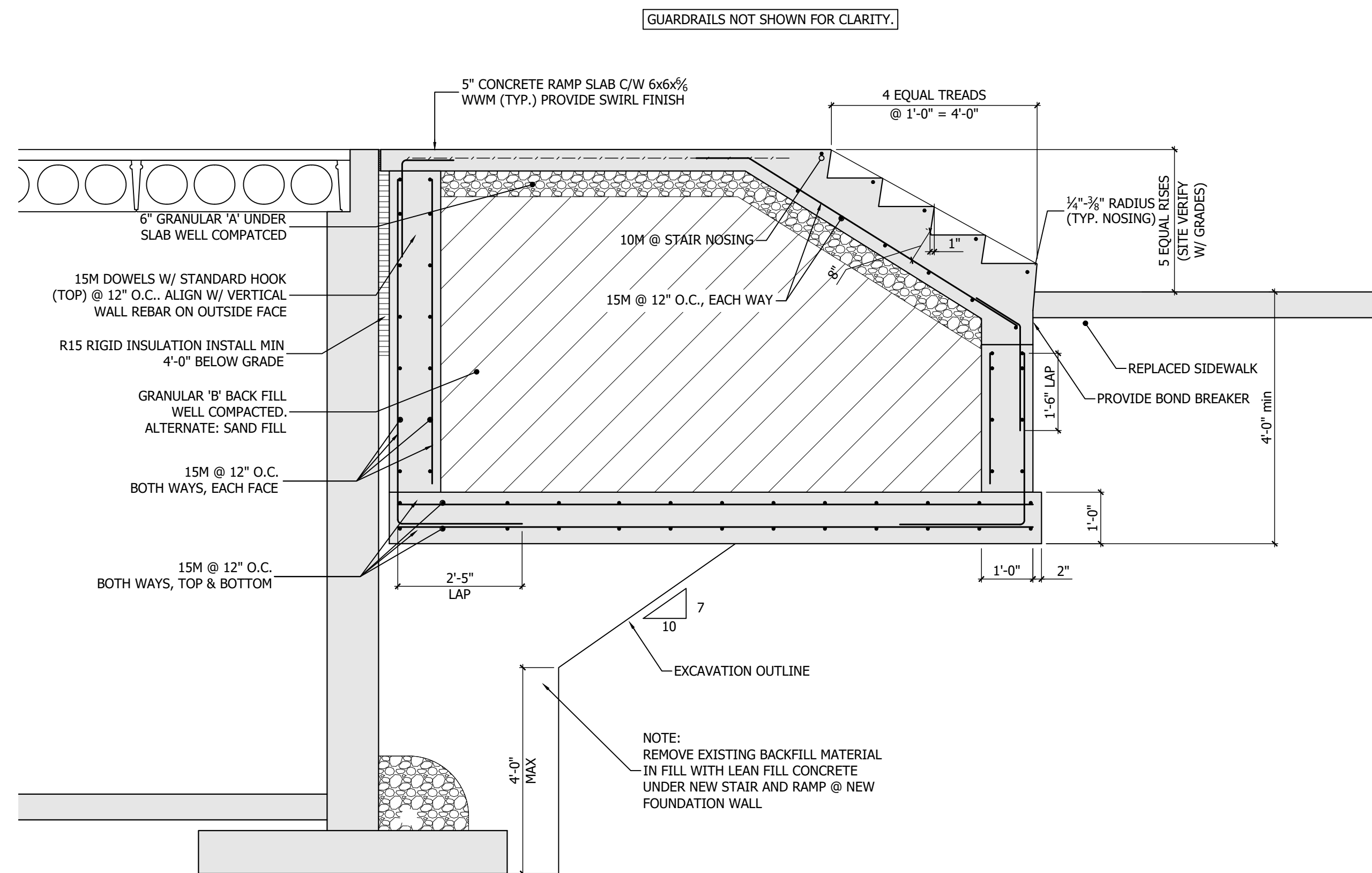
**ACCESS RAMP AND STAIR FOUNDATION PLAN**

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

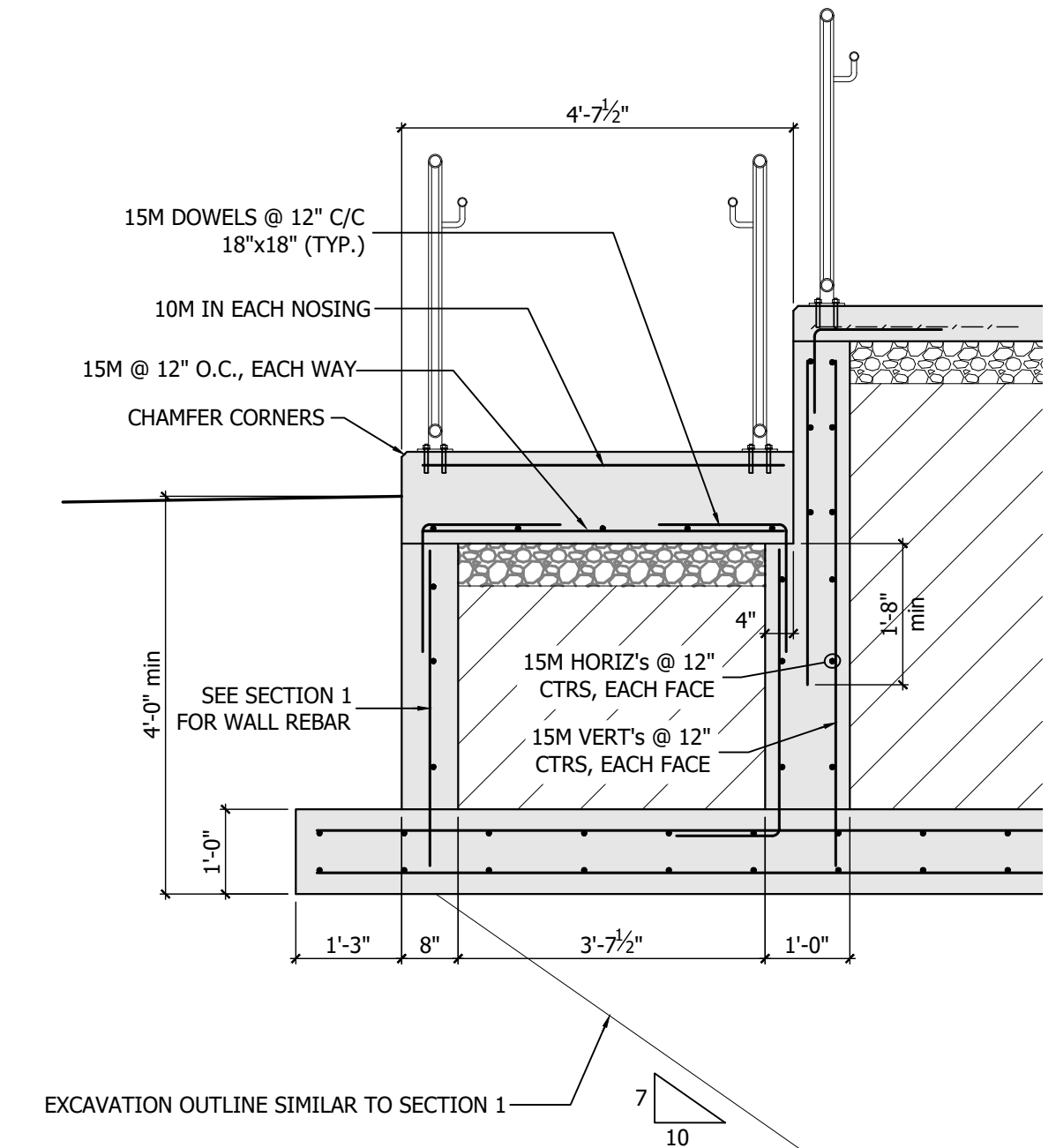
- ALL DIMENSIONS FOR EXISTING BUILDING ARE TO BE SITE VERIFY.



**1 SECTION**  
G3.3 SCALE: 1/2"=1'-0"



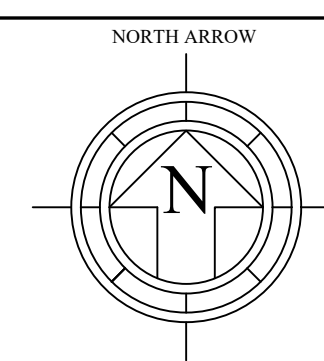
**2 SECTION**  
G3.3 SCALE: 1/2"=1'-0"



**3 SECTION**  
G3.3 SCALE: 1/2"=1'-0"

ISSUED FOR	
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<input type="checkbox"/>	CLIENT REVIEW
<input type="checkbox"/>	SITE PLAN APPROVAL
<input type="checkbox"/>	BUILDING PERMIT
<input checked="" type="checkbox"/>	TENDER
<input type="checkbox"/>	CONSTRUCTION
DATE	2024-07-24

STAMP	
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REV.	BY	DESCRIPTION	DATE

CLIENT  
**CITY OF WOODSTOCK**  
ENGINEERING BLDG  
944 JAMES ST

PROJECT  
**ADDITION  
AND  
RENOVATION**

DRAWING  
**PROPOSED ACCESS  
STAIR AND RAMP**

 **SPH ENGINEERING INC.**  
REAL WORLD ENGINEERING SOLUTIONS  
TEL: 519-539-5700 FA: 1: 519-539-5775

485037 SWEABURG ROAD  
WOODSTOCK, ONTARIO  
N4S 7V6

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DRAWN	AA	CHECKED	JH	PROJECT NUMBER	21367	SHEET SIZE	24x36
DATE	2022-07-12	SCALE	AS NOTED	FILE NAME	21367MAIN16	<b>G3.3</b>	

ALL STRUCTURAL DESIGN TO CONFORM TO OBC 2012, ONT. REGULATION 332/12

GENERAL NOTES (ALL DESIGN REFERENCE STANDARDS TO CURRENT EDITION)

- GENERAL:**
- ALL WORK SHALL CONFORM TO THE ONTARIO BUILDING CODE, ONT. REG. 332/12.
  - ALL WORK TO BE PERFORMED IN ACCORDANCE WITH APPLICABLE LEGISLATION AND REGULATIONS INCLUDING BUT NOT LIMITED TO, OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS.
  - THE CONTRACTOR SHALL AS PART OF HIS WORK CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH CONSTRUCTION.
  - SAFEGUARD AND PROTECT ALL EXISTING STRUCTURES, SERVICES AND UTILITIES WHICH MAY BE AFFECTED BY THE WORK OF THIS CONTRACT.
  - OWNER/CONTRACTOR TO NOTIFY ENGINEER FOR INSPECTION DURING CONSTRUCTION. SPH ENGINEERING NOT RESPONSIBLE FOR INSPECTIONS NOT PERFORMED DUE TO NON-NOTIFICATION.
- STRUCTURAL STEEL:**
- DO STRUCTURAL STEEL WORK IN ACCORDANCE WITH CAN/CSA-S16.1 "LIMITS STATES DESIGN OF STEEL STRUCTURES".
  - ALL FABRICATION AND WELDING SHALL CONFORM TO CSA W59 AND BE PERFORMED BY A COMPANY CERTIFIED BY AND WELDERS QUALIFIED IN ACCORDANCE WITH CSA W47.1 FOR DIVISION ONE OR DIVISION TWO.
  - FILLET WELDS SHALL NOT BE LESS THAN 3/8" (5mm) AT ALL MATING PARTS UNLESS NOTED OTHERWISE.
  - WELDING ELECTRODES TO BE "BASIC" LOW HYDROGEN TYPE TO CSA W48 SERIES, COMPATIBLE WITH STEEL TO BE WELDED. STRENGTH LEVEL 480MPa.
  - STRUCTURAL SHAPES TO CSA G40.21, GRADE 350W.
  - STRUCTURAL PLATES TO CSA G40.21, GRADE 300W (MINIMUM).
  - HOLLOW STEEL STRUCTURAL SECTIONS TO CAN/CSA G40.21, GRADE 350W, CLASS C.
  - HIGH TENSILE BOLTS, NUTS AND WASHERS TO BE ASTM A325.
  - ANCHOR BOLTS AND NUTS TO BE ASTM F1554 GRADE 36 UNLESS NOTED OTHERWISE.
  - PROVIDE UNDER COLUMN BASE PLATES SEALTIGHT V-1 PREMIUM GROUT BY W.R. MEADOWS.
  - STEEL FABRICATOR TO SUBMIT STEEL SHOP DRAWINGS FOR REVIEW TO SPH ENGINEERING INC. SHOP DRAWINGS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO FOR CONNECTION DESIGN. DESIGN CONNECTIONS FOR LOADS SHOWN ON DRAWING OR FOR THE END SHEAR DUE TO THE MAJIMUM UNIFORMLY DISTRIBUTED LOAD THAT MAY BE APPLIED TO A FULLY BRACED BEAM, WHICHEVER IS GREATER. DESIGN 'X' BRACING FOR 50% OF THE GROSS TENSILE CAPACITY OF THE MEMBER OR FOR LOADS INDICATED ON THE DRAWINGS.
  - EPOXY SYSTEM NOTES: EPOXY SYSTEM FOR DOWELS AND ANCHORS TO BE HILTI HIT HY 200 OR FOR WINTER CONDITIONS USE HILTI HIT-ICE. HILTI HIT HY 270 FOR CONCRETE BLOCK WALLS AND PRECAST CONCRETE SLABS. ANCHOR MATERIAL TO BE MINIMUM GRADE 36ksi AND TO MEET THE REQUIREMENTS OF CSA G40.20/G40.21. USE 316 STAINLESS ROD, GRADE F593G FOR EXTERIOR LOCATIONS.

- UNIT MASONRY**
- CSA STANDARD S304.1: MASONRY DESIGN FOR BUILDINGS (LIMITED STATES DESIGN)
  - CSA A371: MASONRY CONSTRUCTION FOR BUILDINGS.
  - CAN3 A165 SERIES (CAN3-A165.1) : CSA STANDARDS ON CONCRETE MASONRY UNITS. STRENGTH: 15 MPa
  - CSA A370: CONNECTORS FOR MASONRY. SEE DRAWINGS FOR TYPES.

- MORTAR**
- CSA A179 (CURRENT ENGINEERING BLDG): MORTAR FOR UNIT MASONRY.
  - MORTAR FOR LOAD BEARING MASONRY ABOVE GRADE: TYPE S WITH COMPRESSIVE STRENGTH OF 8.5 MPa @ 28 DAYS.
  - MORTAR FOR INTERIOR NON- LOAD BEARING MASONRY: TYPE O.

- GROUT**
- CSA A179 (CURRENT EDITION), TABLE 5 - GROUT FOR MASONRY UNITS.
  - COMPRESSIVE STRENGTH: FINE 10 MPa, COURSE 12.5 MPa @ 28 DAYS

- MASONRY REINFORCEMENT:**
- DO REINFORCEMENT WORK IN ACCORDANCE WITH CSA A23.1.
  - REINFORCEMENT STEEL SHALL CONFORM TO CAN/CSA G30.5, STRENGTH TO BE 400 MPa.
  - CONTRACTOR TO CONTACT SPH ENGINEERING INC TO ARRANGE FOR INSPECTION OF REINFORCING.

LINTEL SCHEDULE		
LINTEL MARK	LINTEL SIZE	REMARKS (8" B.E.E UNLESS NOTED OTHERWISE FOR STEEL)
L1	(2) L3 1/2"x3 1/2"x5/16"	SEE LINTEL DETAIL "A"
L2	(2) L2 1/2"x2 1/2"x1/4"	SEE LINTEL DETAIL "A"
L3	(2) L6"x4"x3/8" +1/2" PLATE	EX 12" BLOCK SEE LINTEL DETAIL "B"
L4	(2) L6"x4"x3/8" +1/2" PLATE	EX 8" BLOCK SEE LINTEL DETAIL "B"
L5	(2) L4"x3"x3/8" +1/2" PLATE	EX 6" BLOCK SEE LINTEL DETAIL "B"

**LINTEL DETAIL "A"**

FILL BLOCK SOLID WITH GROUT AT EACH END OF LINTEL BEARING AS SHOWN (MINIMUM)

**LINTEL DETAIL "B"**

FILL BLOCK SOLID WITH GROUT AT EACH END OF LINTEL BEARING AS SHOWN (MINIMUM)

CONFIRM WIDTH OF BLOCK ON SITE. REPORT TO SPH ENG IF BLOCK WIDTH IS DIFFERENT THAN NOTED.

SEE SCHEDULE FOR ANGLE SIZES

3/4" x 3-12 / 6" @ ENDS TYP

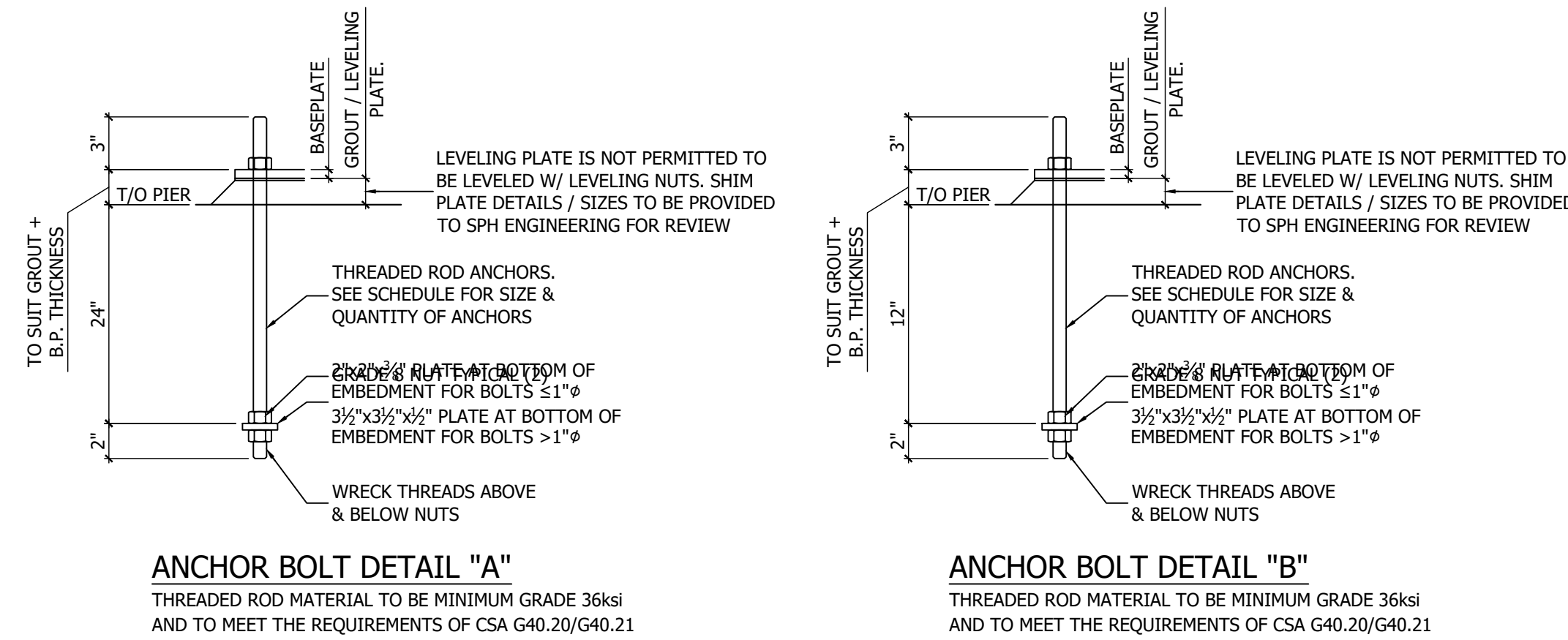
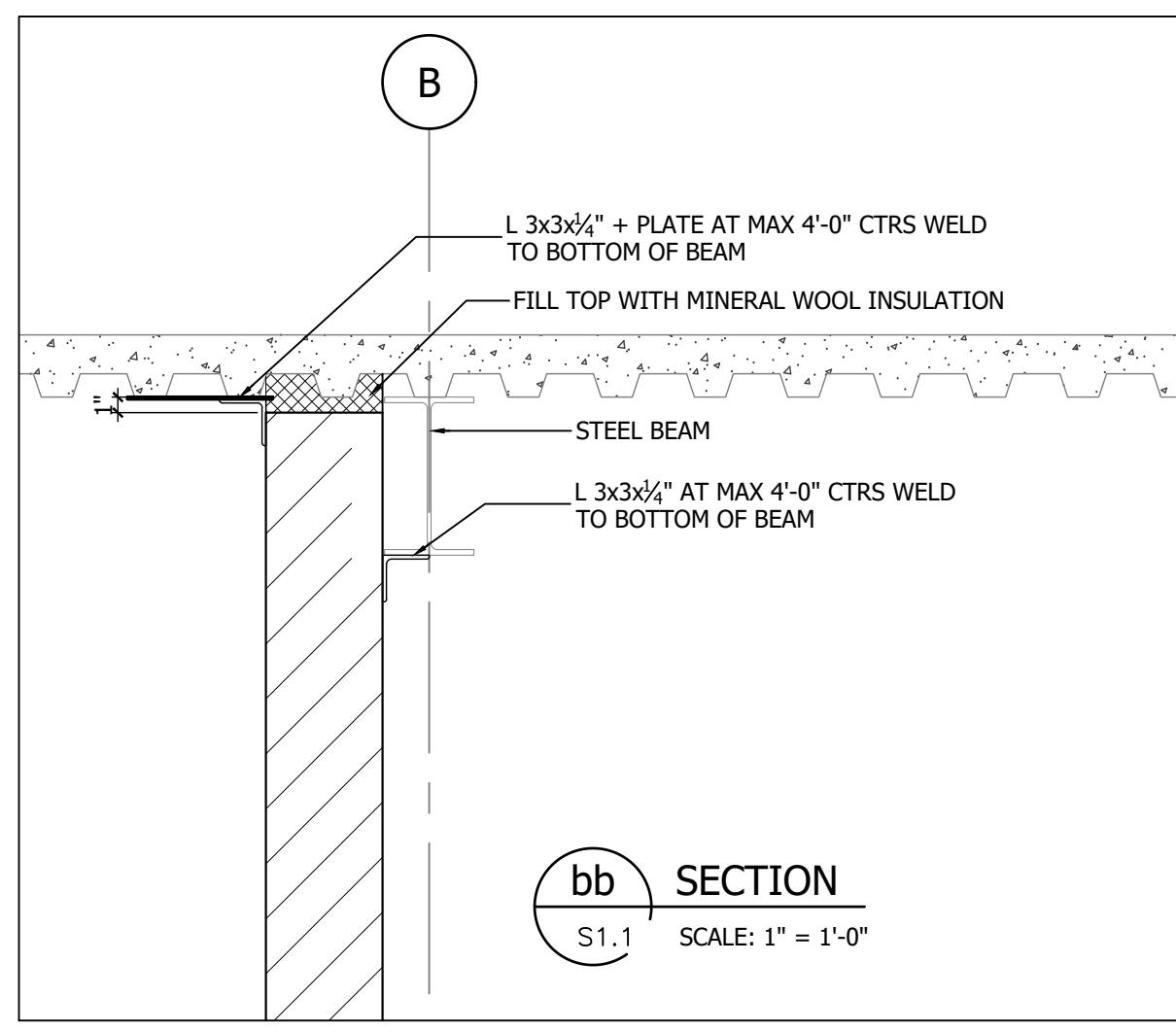
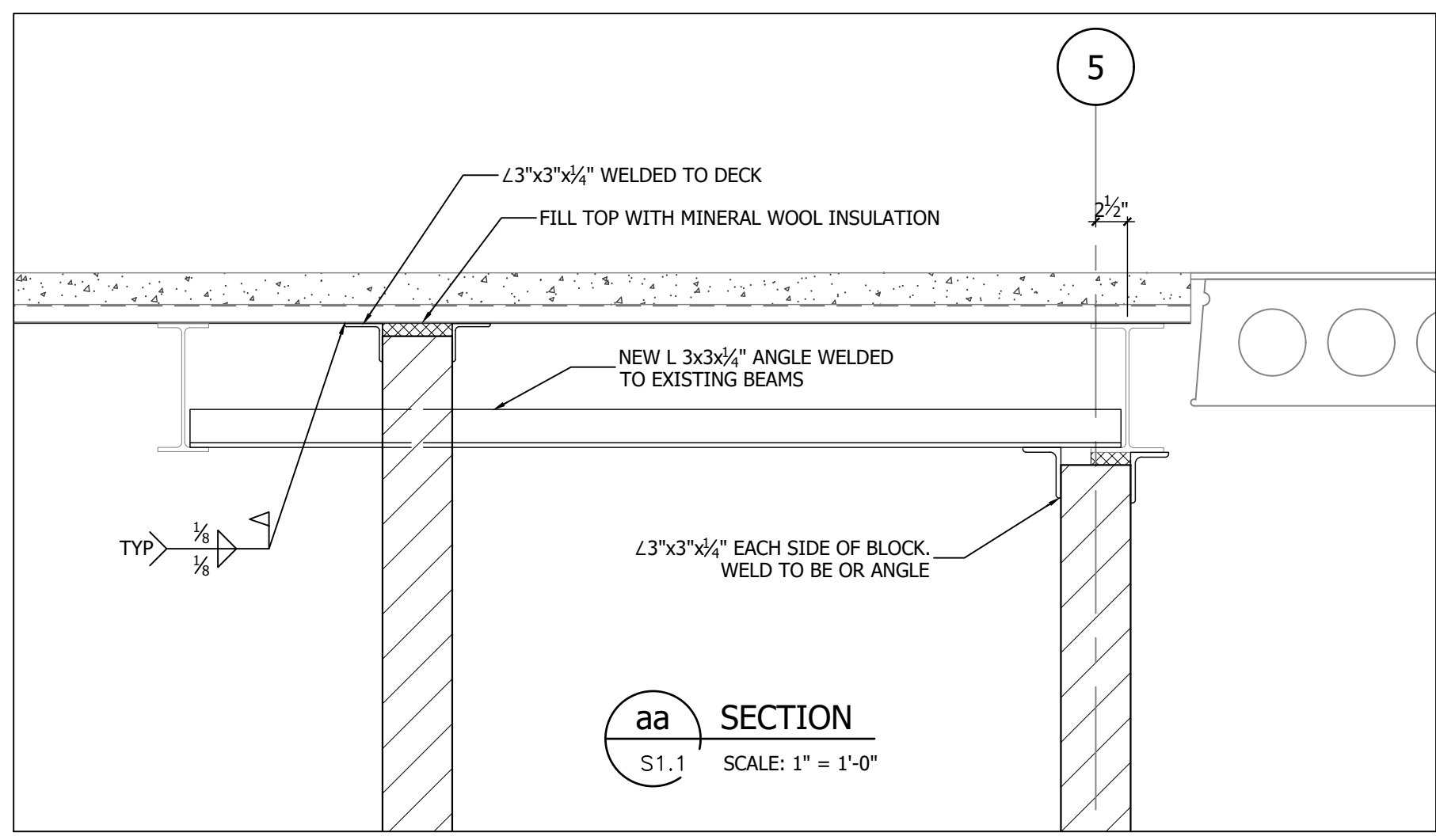
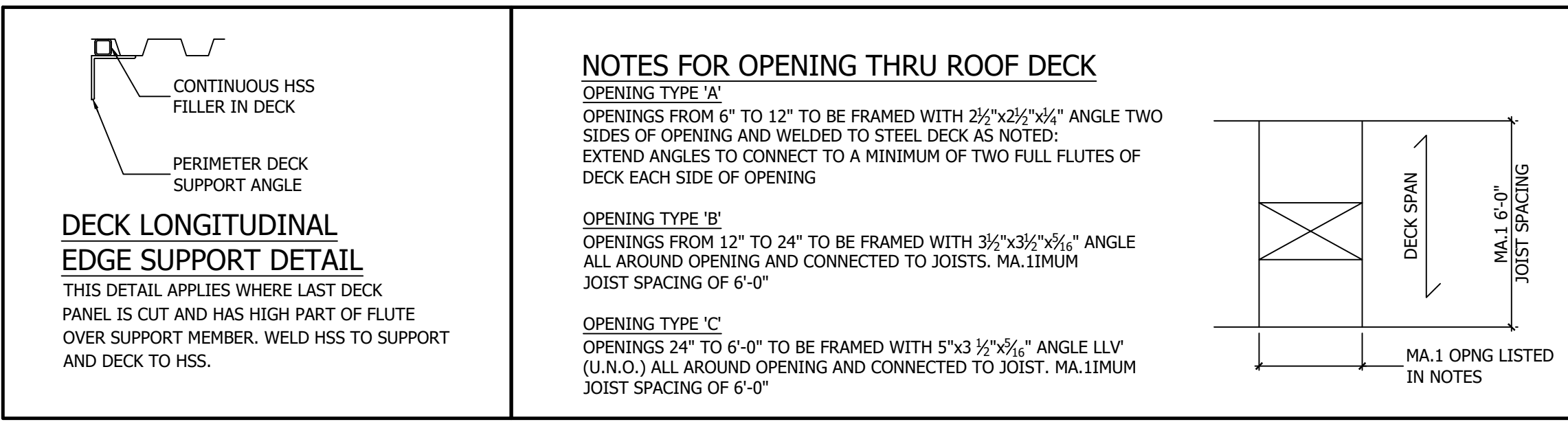
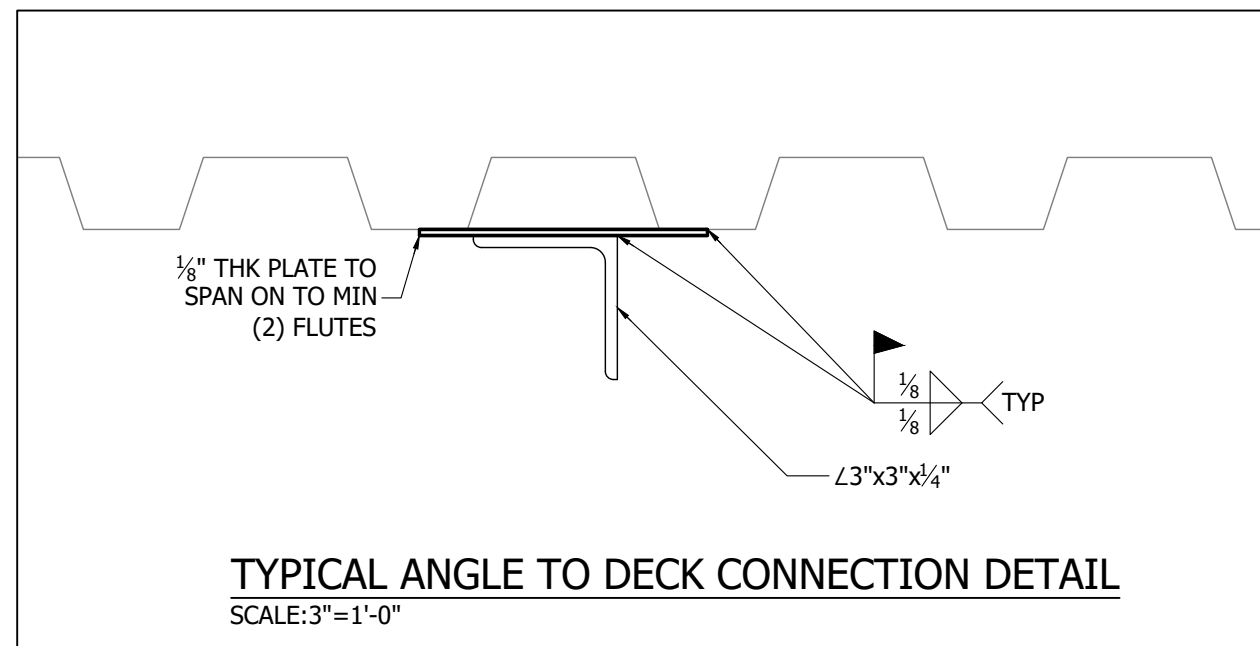
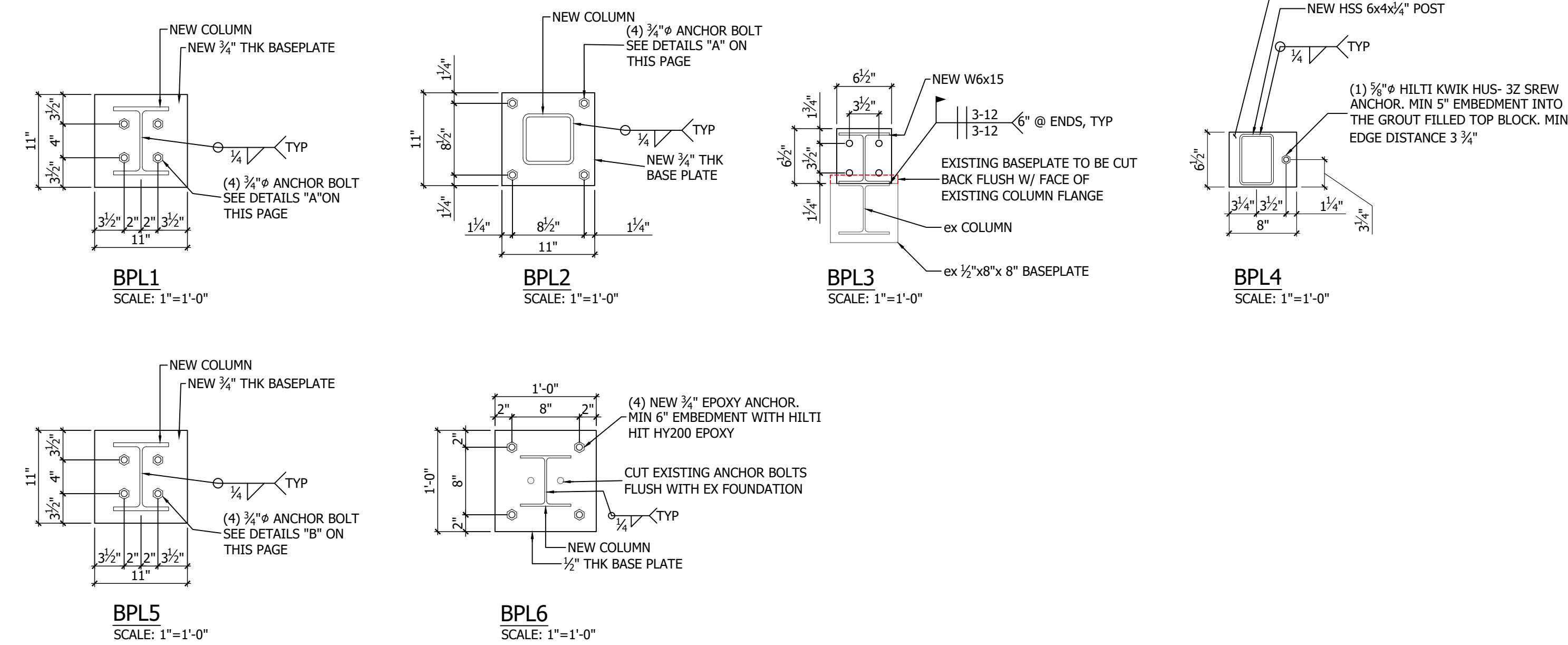
1/2" THK CONTINUOUS PLATE WELDED TO ANGLES

SECTION @ L3, L4 & L5 LINTELS NOT TO SCALE

COLUMN SCHEDULE		
COLUMN MARK	COLUMN SIZE	REMARKS
C1	W8x31	BPL1
C2	W8x24	BPL1
C3	HSS 6"x6"x3/8"	BPL2
C4	W6x15	BPL3
C5	HSS 6"x4"x3/8"	BPL4
C6	W8x31	BPL5
C7	W6x15	BPL6

BASE PLATE SCHEDULE			
COLUMN MARK	BASE PLATE	ANCHOR BOLTS	REMARKS
BPL1	3/4"x11"x11"	(4) 3/4" ANCHOR BOLTS SEE DETAIL "A" THIS PAGE	
BPL2	3/4"x11"x11"	(4) 3/4" ANCHOR BOLTS SEE DETAIL "A" THIS PAGE	
BPL3	1/2"x6 1/2"x6 1/2"	(4) 3/4" THREADED ROD. MIN 6" EMBEDMENT. SEE EPOXY SYSTEM NOTES	
BPL4	3/4"x6 1/2"x8"	(1) 3/8" HILTI KWIK HUS- 3Z SREW MIN 5" EMBEDMENT.	
BPL5	3/4"x11"x11"	(4) 3/4" ANCHOR BOLTS SEE DETAIL "B" THIS PAGE	
BPL6	1/2"x12"x12"	(4) NEW 3/4" EPOXY ANCHOR. MIN 6" EMBEDMENT WITH HILTI HIT HY200 EPOXY	

1 1/2" THK GROUT UNDER BASE PLATES U.N.O.  
1" GROUT UNDER BASE PLATE BPL4. GROUT THICKNESS UNDER BPL3 TO MATCH EXISTING.



ISSUED FOR	STAMP	NORTH ARROW	REV.	BY	DESCRIPTION	DATE
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DATE: 2024-07-24						
			AA	JH	21367	24x36
			DATE: 2022-07-12	SCALE: AS NOTED	FILE NAME: 21367MAIN16	<b>S1.0</b>

CLIENT: CITY OF WOODSTOCK  
ENGINEERING BLDG  
944 JAMES ST

PROJECT: ADDITION AND RENOVATION

DRAWING: SCHEDULES AND NOTES FRAMING PLAN

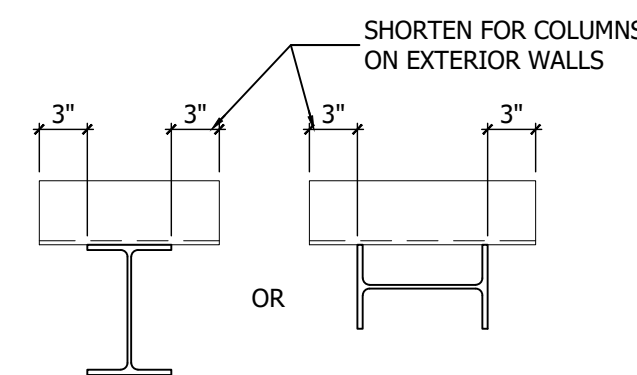
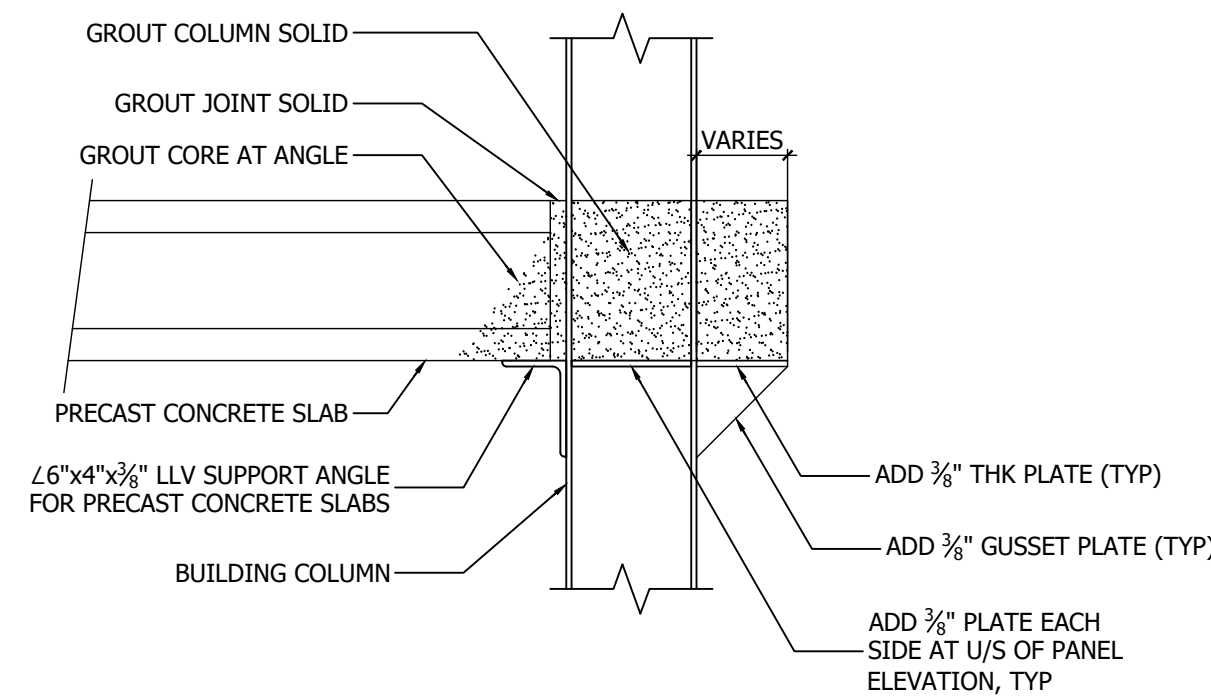
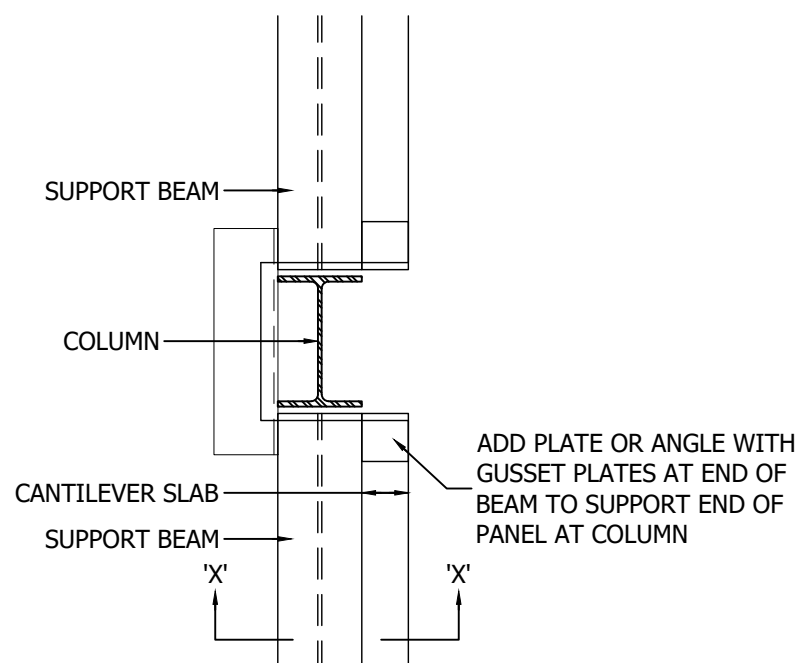
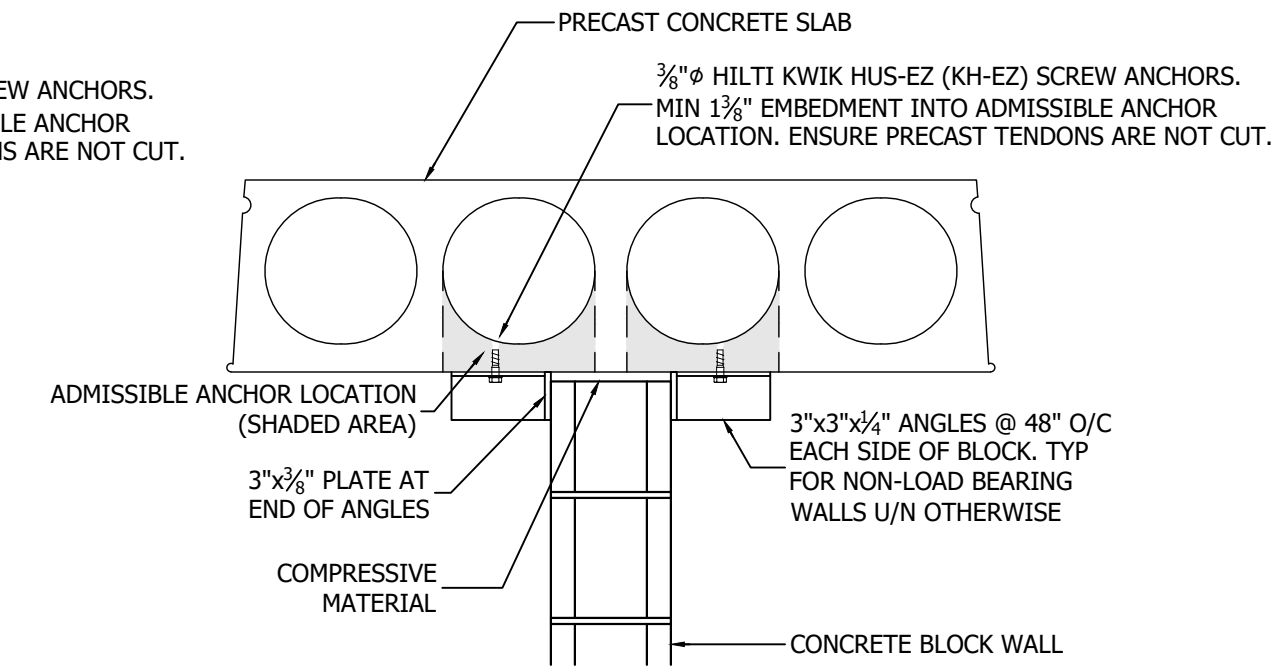
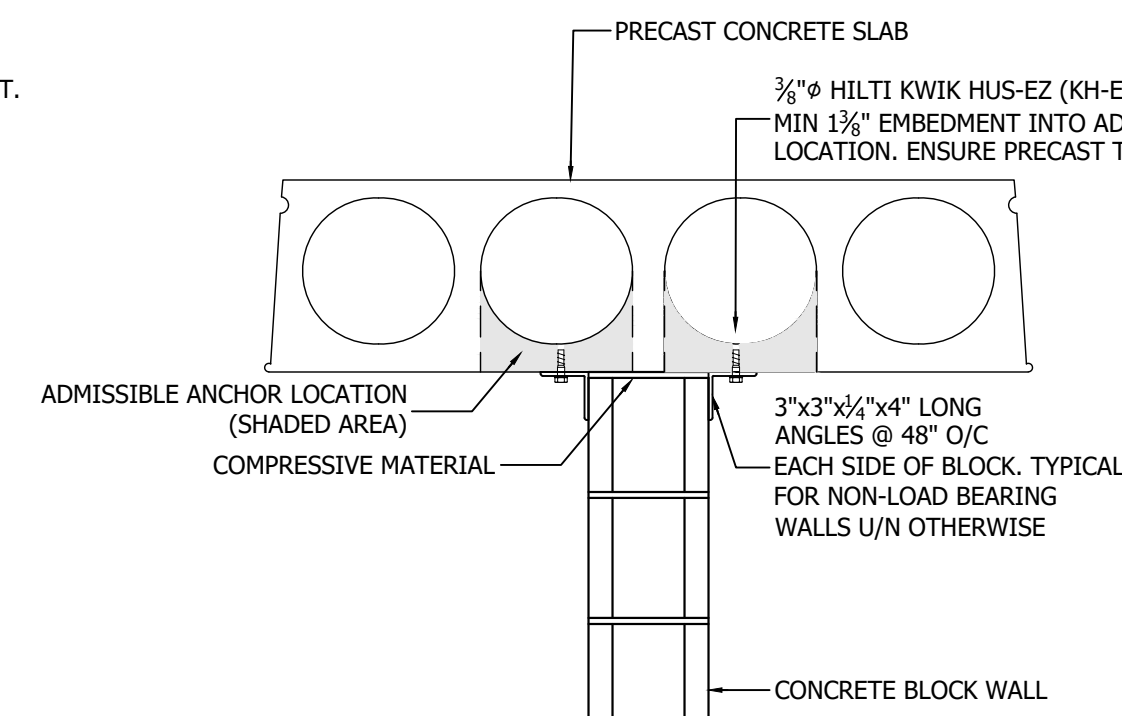
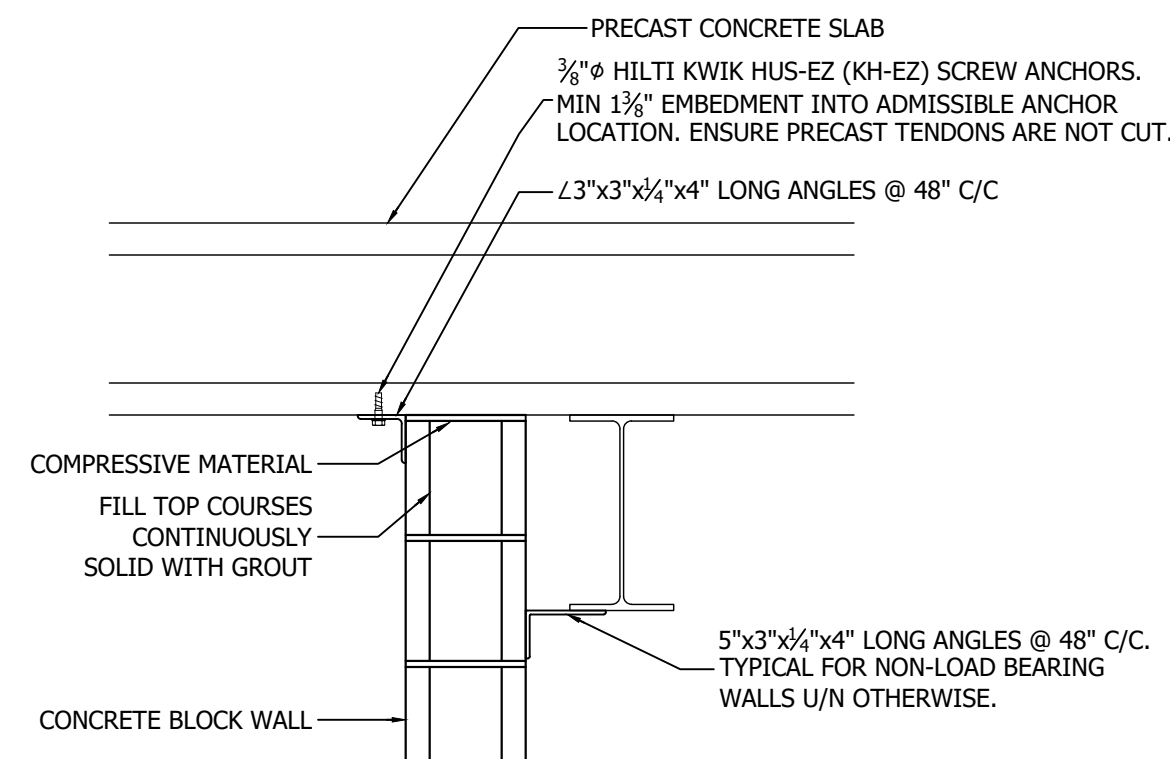
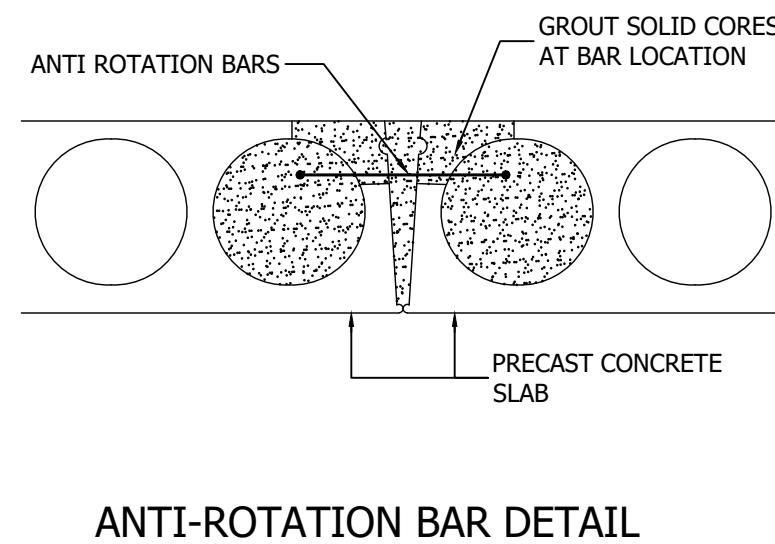
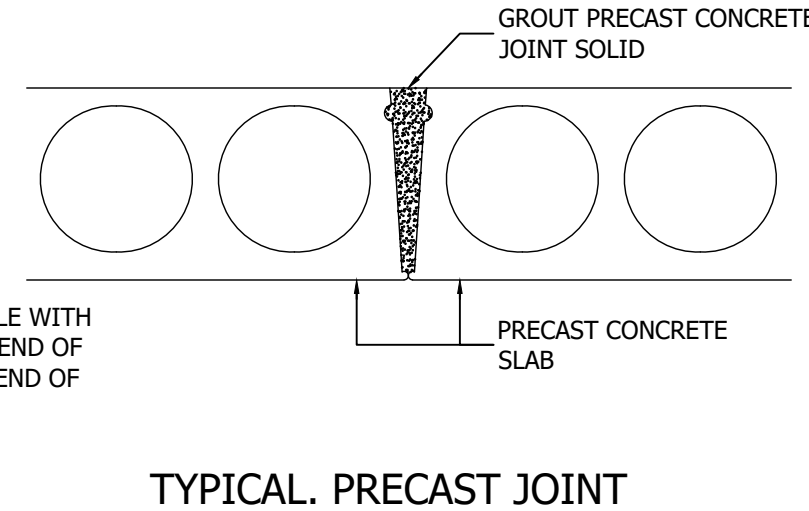
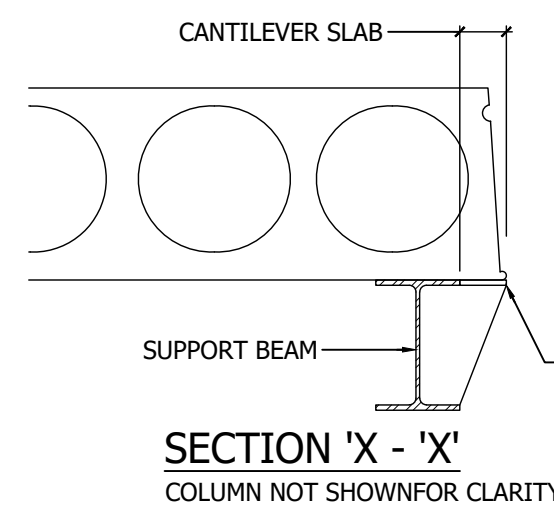
SPH ENGINEERING INC.  
REAL WORLD ENGINEERING SOLUTIONS  
TEL: 519-539-5700 FA.1: 519-539-5775

485037 SWEABURG ROAD  
WOODSTOCK, ONTARIO  
N4S 7V6

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DRAWN: AA  
CHECKED: JH  
PROJECT NUMBER: 21367  
SHEET SIZE: 24x36  
DATE: 2022-07-12  
SCALE: AS NOTED  
FILE NAME: 21367MAIN16

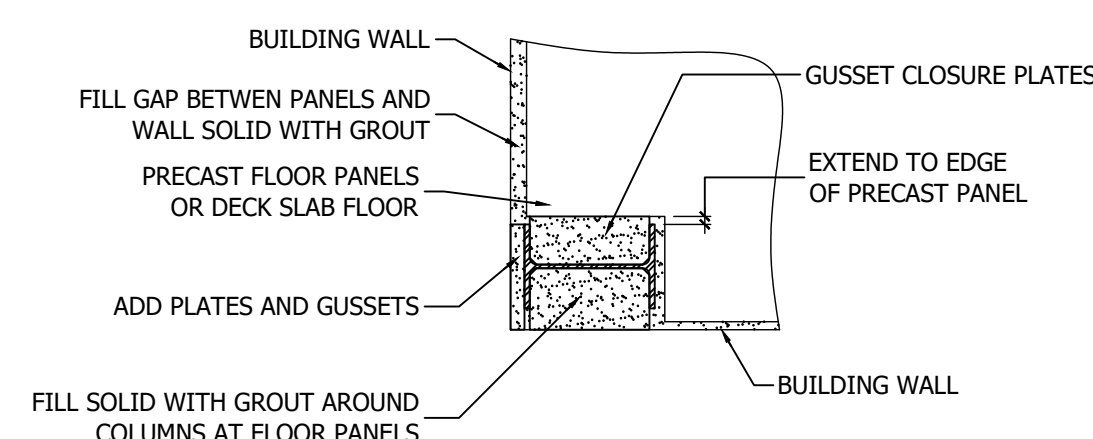




**BLOCK WALL PERPENDICULAR TO SPAN**  
DO NOT CUT PANEL REBAR WHEN DRILLING IN ANCHORS  
MIN (2) ANGLES PER SIDE IF SHORTER THAN 48"

**BLOCK WALL PARALLEL TO SPAN**  
NON-LOAD BEARING WALL.  
DO NOT CUT PANEL REBAR WHEN DRILLING IN ANCHORS.  
MIN (2) ANGLES PER SIDE IF SHORTER THAN 48"

**BLOCK WALL PARALLEL TO SPAN**  
NON-LOAD BEARING WALL.  
DO NOT CUT PANEL REBAR WHEN DRILLING IN ANCHORS.  
MIN (2) ANGLES PER SIDE IF SHORTER THAN 48"



GENERAL CONTRACTOR TO COORDINATE TO SUPPLY AND INSTALLATION OF CLOSURE PLATES

PANEL SUPPORT @ SIDE CANTILEVER

PANEL SUPPORT ANGLE & PLATES ON COLUMN

ISSUED FOR		STAMP	NORTH ARROW		
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DATE 2024-07-24		REV.	BY	DESCRIPTION	DATE
AA	JH	21367			24x36
2022-07-12	AS NOTED	21367MAIN16			<b>S1.0a</b>

CLIENT  
**CITY OF WOODSTOCK**  
ENGINEERING BLDG  
944 JAMES ST

PROJECT  
**ADDITION AND RENOVATION**

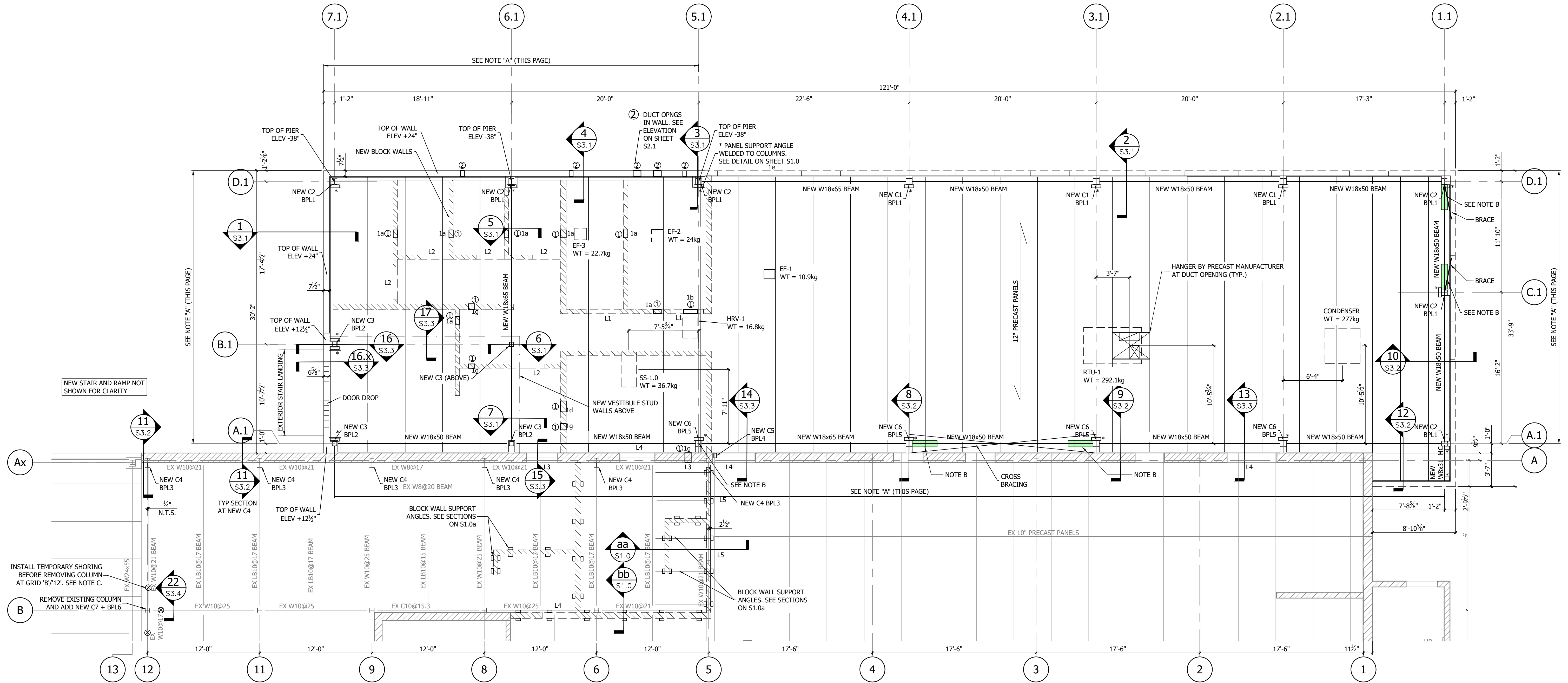
DRAWING  
**DETAILS**



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485037 SWEABURG ROAD  
WOODSTOCK, ONTARIO  
N4S 7V6

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**GROUND FLOOR ROOF/VESTIBULE FLOOR FRAMING PLAN**  
 SCALE: 3/16" = 1'-0"

NOTE: SEE DRAWING S1.2 FOR SNOW SHADOWS

DENOTES HVAC WALL PENETRATIONS THROUGH BLOCK WALL OR CONCRETE WALL. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS AND SIZE OF DUCTS. LINTEL SIZE TO BE L1 FOR 8" BLOCK AND L2 FOR 6" BLOCK.

1a - 10" Ø DUCT  
 1b - (2) 5" Ø DUCTS  
 1d - 14x6 DUCT  
 1e - 8"x8" DUCT  
 1g - 8"x6" DUCT

DATUM FOR TOP OF PIER AND WALL ELEVATION SHOWN ON PLAN: TOP OF 12" PRECAST

NOTE "A": DIAPHRAGM DESIGN & TRANSFER OF LOADS THROUGH PRECAST TO LATERAL FORCE RESISTING SYSTEM CONCRETE FOUNDATION WALLS TO BE PROVIDED BY PRECAST DESIGNER. MIN TRANSFER LOAD 1500 lbs/ft

NOTE B: SHADED AREA REPRESENTS PART OF PRECAST PANEL TO BE REMOVED WHEN FUTURE UPPER FLOOR IS BUILT TO ACCOMMODATE WALL BRACING. APPROXIMATELY 40" FROM COLUMN CENTER LINE x 8" WIDE.

NOTE C: SHORE EX BEAMS. CONTRACTOR TO PROVIDE SHORING DESIGN TO SPH FOR REVIEW. SHORING DESIGN TO BE STAMPED BY PROFESSIONAL ENGINEER CURRENTLY REGISTERED IN ONTARIO. SEE STRUCTURAL DRAWINGS FOR LIMIT OF COLUMN TO BE REMOVED.

\* PANEL SUPPORT ANGLE WELDED TO COLUMNS OR BEAMS. SEE DETAILS ON SHEET S1.0.

SEE SHEET S1.0 FOR PRECAST PANEL TYPICAL DETAILS. ALL STRUCTURAL DESIGN TO CONFORM TO OBC 2006, ONT. REGULATION 423/06

**PRECAST ROOF LOADS**

SNOW: S<sub>s</sub> = 1.9 kPa  
 S<sub>r</sub> = 0.4 kPa  
 S = 1.92 kPa = 40.1 psf

ROOF DEAD:  
 ROOFING SYSTEM = 10 psf  
 12" PRECAST PANEL = 86 psf  
 MECH & ELEC = 19 psf

WIND LOAD:  
 q<sub>50</sub> = 9.2 psf

**DESIGN FOR FUTURE FLOOR LOADS:**  
 AVERAGE 2" TOPPING = 25 psf  
 FLOORING = 5 psf  
 PARTITIONS = 20 psf  
 LIVE LOAD = 100 psf

**PRECAST FLOOR NOTES:**  
 - PANEL MANUFACTURER TO PROVIDE PLANS AND DETAILS FOR PRECAST PANEL DESIGN COMPLETE WITH STAMP AND SIGNATURE OF A PROFESSIONAL ENGINEER CURRENTLY REGISTERED IN ONTARIO TO SPH ENGINEERING.  
 - 45min RATING ON PANELS.

**SPRINKLER MAINS LOADS:**  
 FOR 6" (150mm) PIPE - 25.2 lb/ft (.375 kN/m)  
 FOR 8" (200mm) PIPE - 50.0 lb/ft (.75 kN/m)  
 SEE SPRINKLER DESIGN DRAWINGS FOR LOCATIONS OF SPRINKLER MAINS LAYOUT.

**LIGHT STEEL FRAMING**  
 METAL STUD WALL AT GROUND FLOOR LEVEL NOT SHOWN FOR CLARITY. SEE ARCHITECTURAL FLOOR PLAN ON A1.2.

- PROVIDE DEFLECTION TRACK AT TOP OF ALL NON LOAD BEARING LIGHT WEIGHT STUDS.
- PROVIDE BRACING FOR STEEL STUDS AT TOP OF WALLS. BRACING TO MEET MANUFACTURERS SPECIFICATIONS.
- PROVIDE SHOP DRAWING FOR LIGHT WEIGHT STRUCTURAL STEEL FRAMING. SHOP DRAWINGS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO FOR MEMBER AND CONNECTION DESIGN.

DEFLECTION LIMITS:  
 L/720; FOR MASONRY SUPPORT GIRTS.  
 L/360; FOR DRYWALL INTERIOR FINISHES SUPPORTING GIRTS.  
 L/180; EVERYWHERE ELSE (ie. GIRTS, ROOF BEAMS, PURLINS) UNLESS NOTED OTHERWISE.

ISSUED FOR	
<input type="checkbox"/>	PRELIMINARY
<input type="checkbox"/>	CLIENT REVIEW
<input type="checkbox"/>	SITE PLAN APPROVAL
<input type="checkbox"/>	BUILDING PERMIT
<input checked="" type="checkbox"/>	TENDER
<input type="checkbox"/>	CONSTRUCTION
DATE	2024-07-24

REV.	BY	DESCRIPTION	DATE

DRAWN	CHECKED	PROJECT NUMBER	SHEET SIZE
AA	JH	21367	24x36
DATE	SCALE	FILE NAME	DRAWING
2022-07-12	AS NOTED	21367MAIN16	S1.1

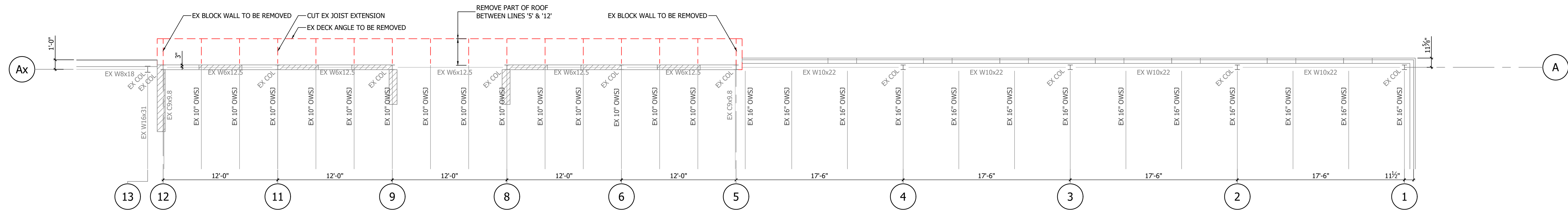
CLIENT: CITY OF WOODSTOCK  
 ENGINEERING BLDG  
 944 JAMES ST

PROJECT: ADDITION AND RENOVATION

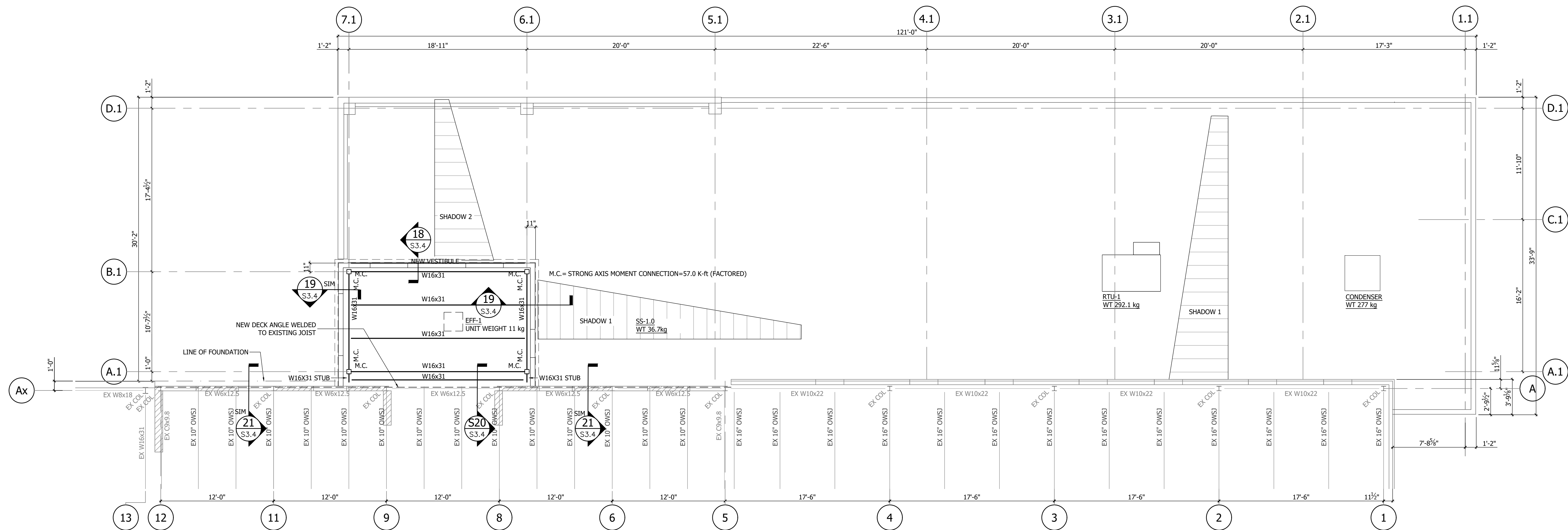
DRAWING: STRUCTURAL FRAMING PLAN

SPH ENGINEERING INC. 485037 SWEABURG ROAD WOODSTOCK, ONTARIO N4S 7V6  
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**EXISTING FIRST FLOOR ROOF FRAMING PLAN - DEMOLITION**  
SCALE: 3/16"=1'-0"



**NEW VESTIBULE ROOF FRAMING PLAN AND GROUND FLOOR ROOF PLAN**  
SCALE: 3/16"=1'-0"

- VESTIBULE ROOF FRAMING NOTES:**
- SEE SHEET S1 FOR STANDARD NOTES AND DETAILS.
  - TOP OF ROOF DATUM (U/S OF PRECAST PANEL) ELEVATION TO BE 11' 3 3/4"
  - TOP OF STEEL JOIST TO BE AT ROOF DATUM ELEVATION UNLESS NOTED OTHERWISE ON PLAN
  - APPROVAL MUST BE OBTAINED FROM ENGINEER FOR ALL OPENINGS OTHER THAN THOSE SHOWN ON PLAN.
  - ROOF DECK TO BE 1 1/2", 22ga L2C, VICWEST RD 938. (3 PANEL SPAN DESIGN)
  - DECK TO BE SPOT WELDED TO STRUCTURAL STEEL AT EVERY SECOND FLUTE (1/2) WELD EACH DECK PANEL AT SIDE LAPS TO STRUCTURAL MEMBER. WELD ENDS OF DECK AT EVERY FLUTE (3/4) AND ON LONGITUDINAL END AT 6" C/C. BUTTON PUNCH SIDE LAPS AT 24" MAXIMUM CENTERS. SEE DETAIL THIS SHEET FOR LONGITUDINAL EDGE HSS SUPPORT DETAIL. FASTEN DECK AROUND ALL OPENINGS.
  - LOCATION, SIZE AND WEIGHTS OF MECHANICAL EQUIPMENT ON ROOF TO BE VERIFIED BEFORE JOIST FABRICATION.
  - ALL OPENINGS LARGER THAN 6" TO BE REINFORCED AS PER DETAIL NOTES ON THIS DRAWING.

**VESTIBULE ROOF LOADS:**

DEAD LOAD = 30 psf

SNOW LOAD SS = 1.9 KPA  
SR = 0.4 KPA  
S = 1.92 KPA = 40.1 psf

SPRINKLER MAINS LOADS:  
FOR 6" (150mm) PIPE - 25.2 lb/ft (.375 kN/m)  
FOR 8" (200mm) PIPE - 50.0 lb/ft (.75 kN/m)  
SEE SPRINKLER DESIGN DRAWINGS FOR LOCATIONS OF SPRINKLER MAINS LAYOUT.

SNOW SHADOW TABLE			
	DIM 'C'		
LOAD 'A'			LOAD 'B'
SHADOW '1'	143.0 psf	40.1 psf	28'-0"
SHADOW '2'	143.0 psf	80.0 psf	17'-3"

ISSUED FOR		STAMP		NORTH ARROW	
<input type="checkbox"/> PRELIMINARY <input type="checkbox"/> CLIENT REVIEW <input type="checkbox"/> SITE PLAN APPROVAL <input type="checkbox"/> BUILDING PERMIT <input checked="" type="checkbox"/> TENDER <input type="checkbox"/> CONSTRUCTION					
DATE	2024-07-24	REV.	BY	DESCRIPTION	DATE
DRAWN	AA	CHECKED	JH	PROJECT NUMBER	21367
DATE	2022-07-12	SCALE	AS NOTED	FILE NAME	21367MAIN16
				SHEET SIZE	24x36
				DRAWING	<b>S1.2</b>

CLIENT  
**CITY OF WOODSTOCK**  
ENGINEERING BLDG  
944 JAMES ST

PROJECT  
**ADDITION  
AND  
RENOVATION**

DRAWING  
**STRUCTURAL  
FRAMING PLAN**

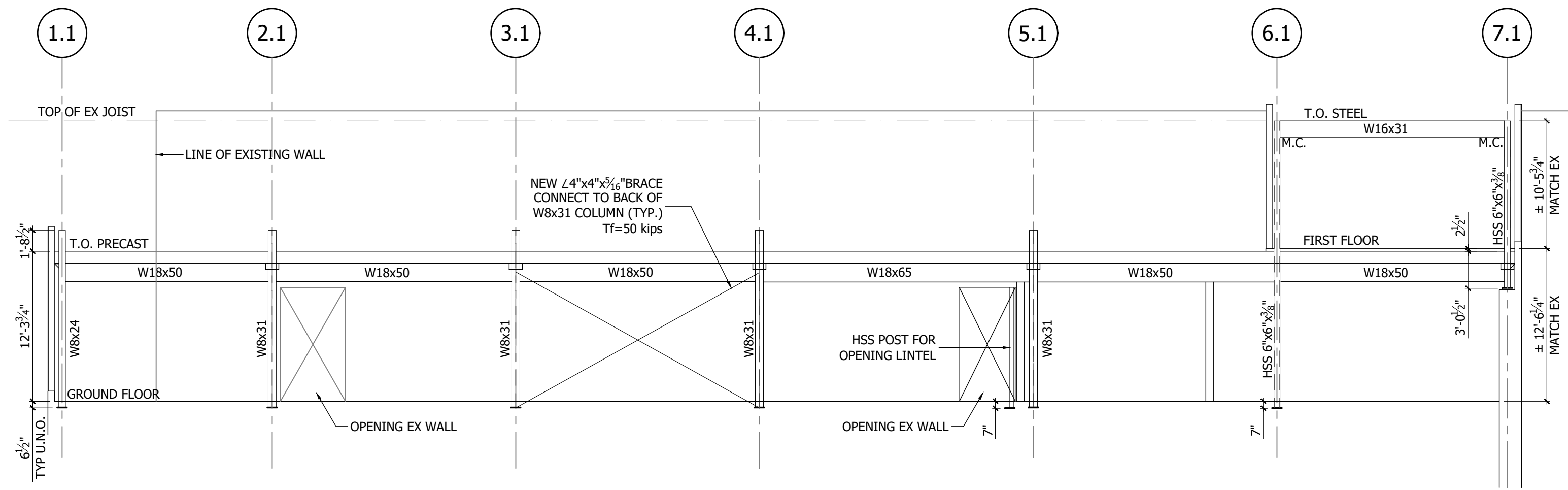


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485037 SWEABURG ROAD  
WOODSTOCK, ONTARIO  
N4S 7V6

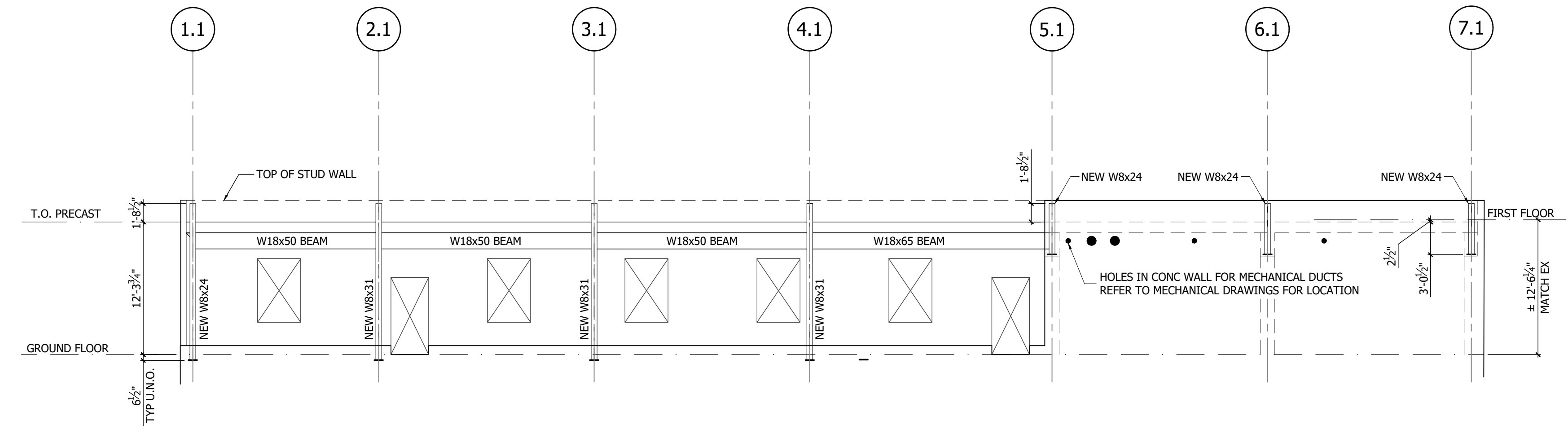
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DRAWN AA  
CHECKED JH  
DATE 2022-07-12  
SCALE AS NOTED  
PROJECT NUMBER 21367  
FILE NAME 21367MAIN16  
SHEET SIZE 24x36  
DRAWING **S1.2**

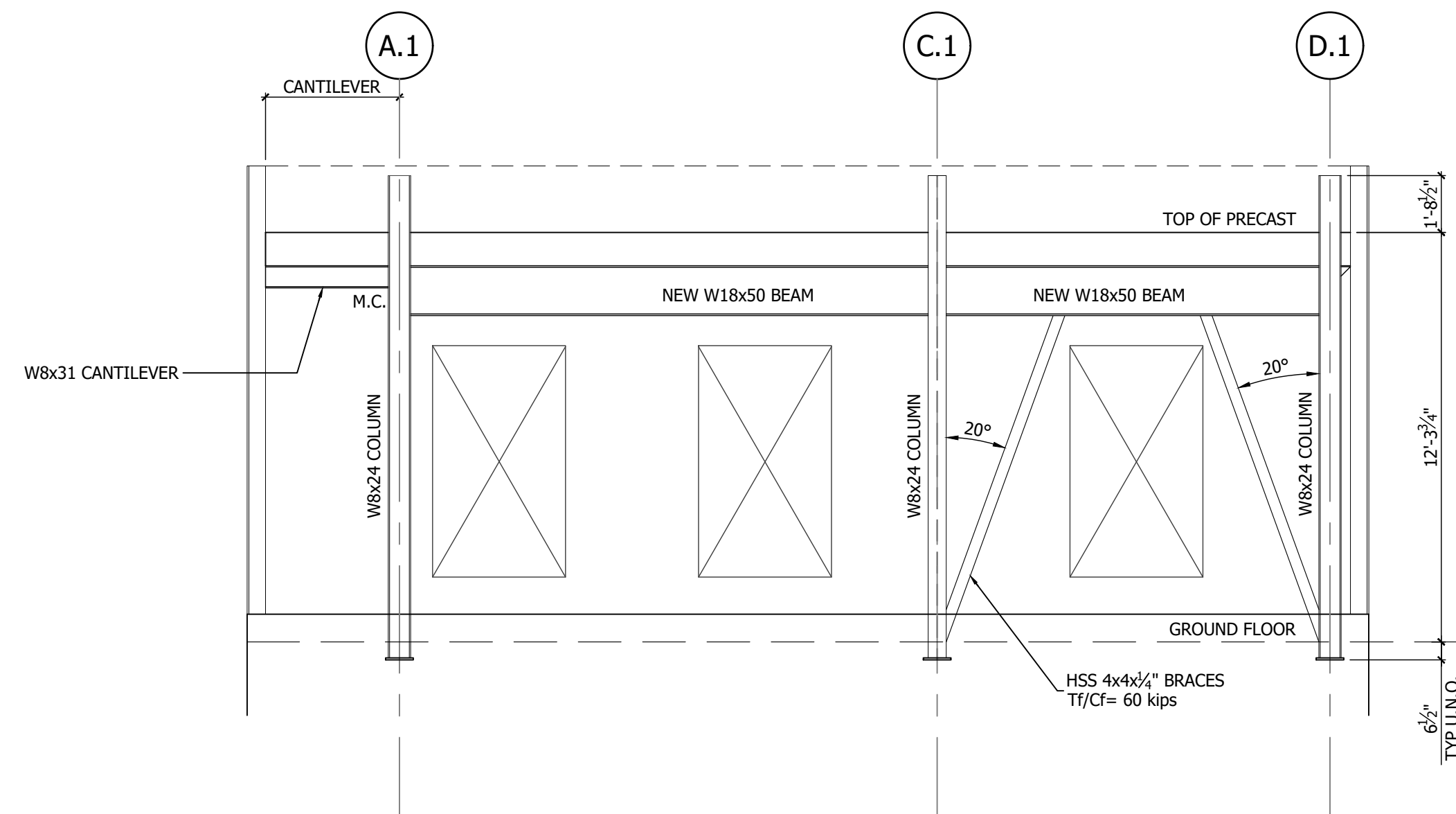


**ELEVATION ALONG LINE A.1**  
1/8"=1'-0"

M.C. = STRONG AXIS MOMENT CONNECTION = 57.0 K-Ft (FACTORED)

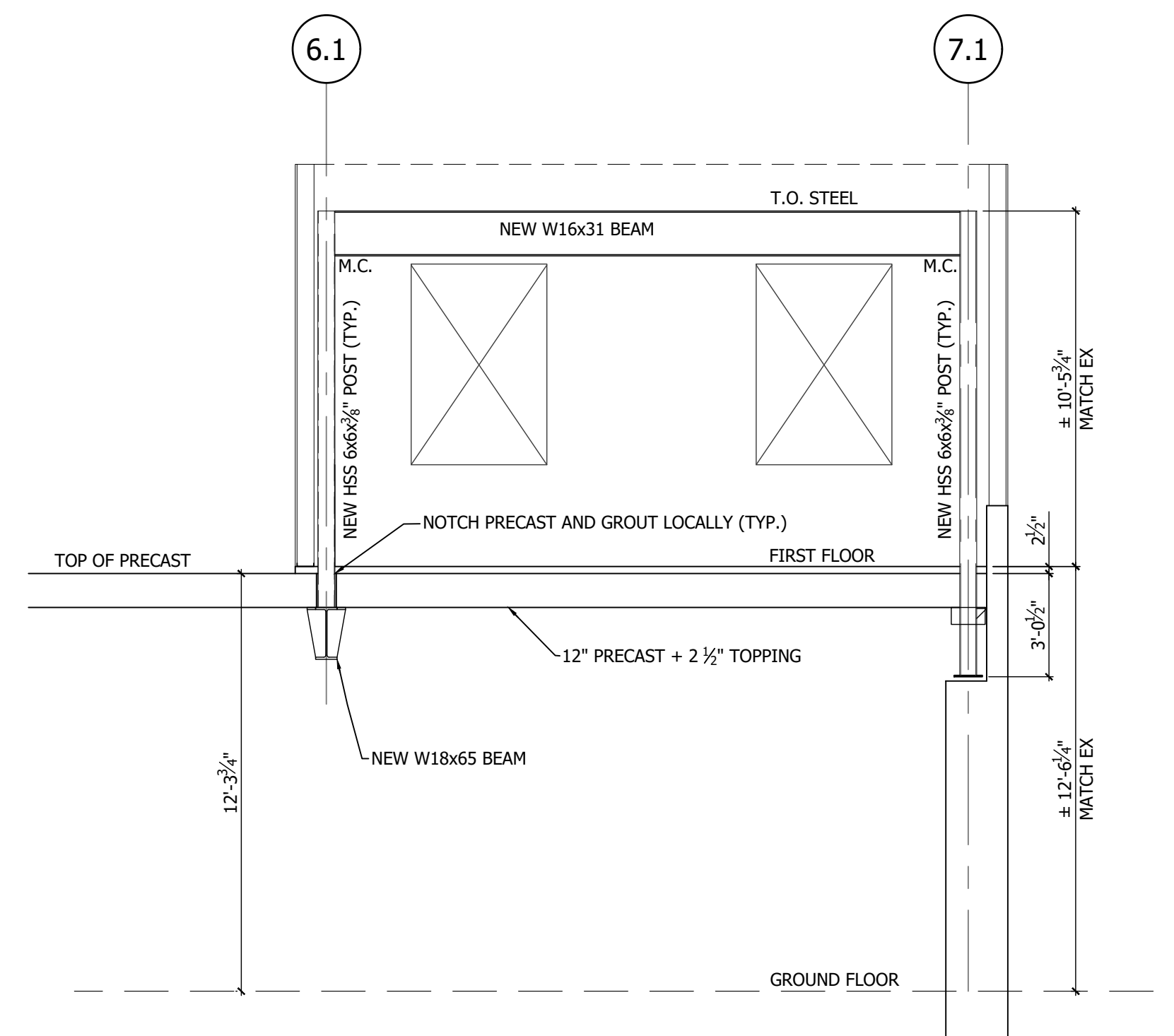


**ELEVATION ALONG LINE D.1**  
1/8"=1'-0"



**ELEVATION ALONG LINE 1.1**  
1/4"=1'-0"

M.C. = STRONG AXIS MOMENT CONNECTION = 10.0 K-Ft (FACTORED)

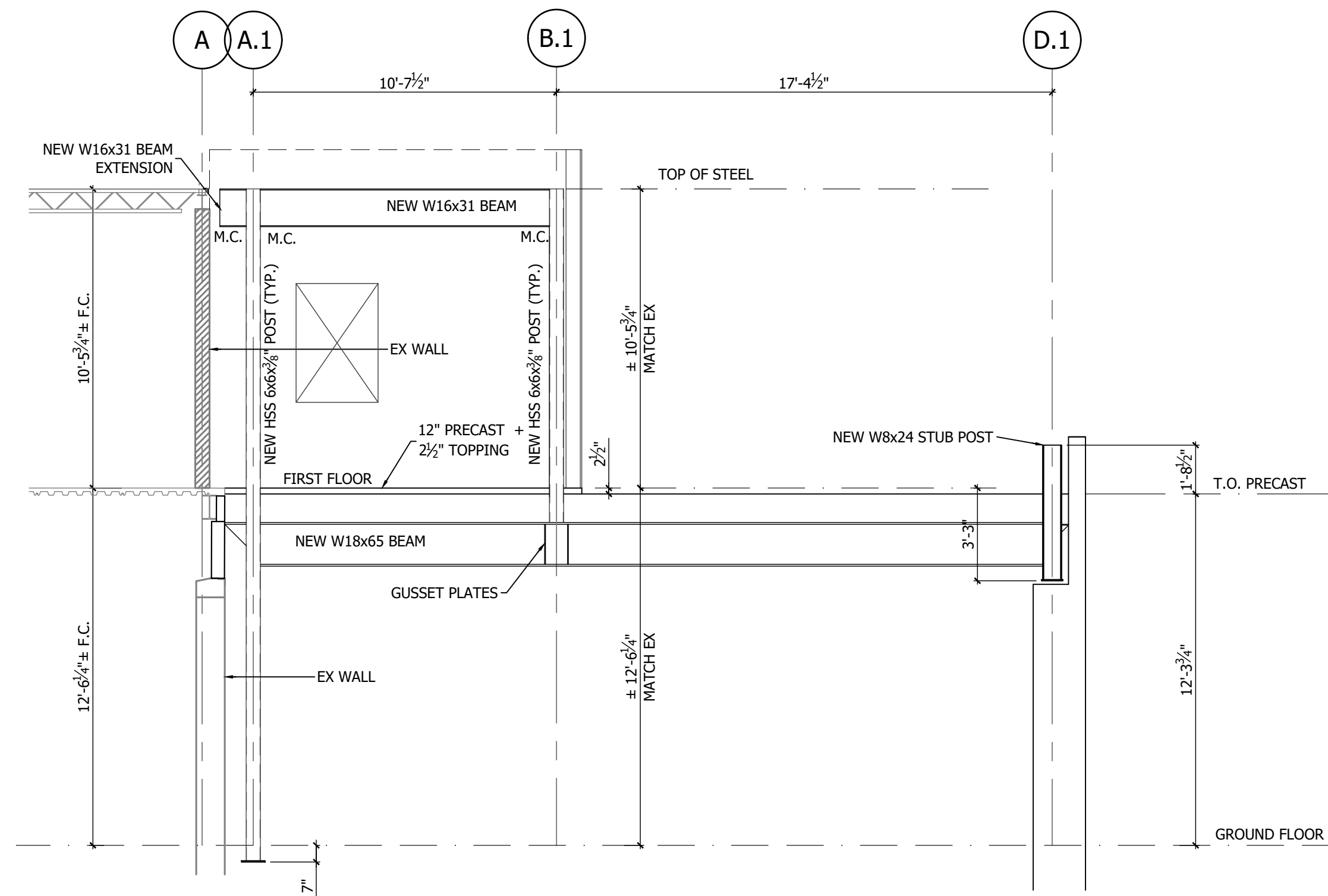


**ELEVATION ALONG LINE B.1**  
1/4"=1'-0"

M.C. STRONG AXIS MOMENT CONNECTION = 57.0 K-Ft (FACTORED)



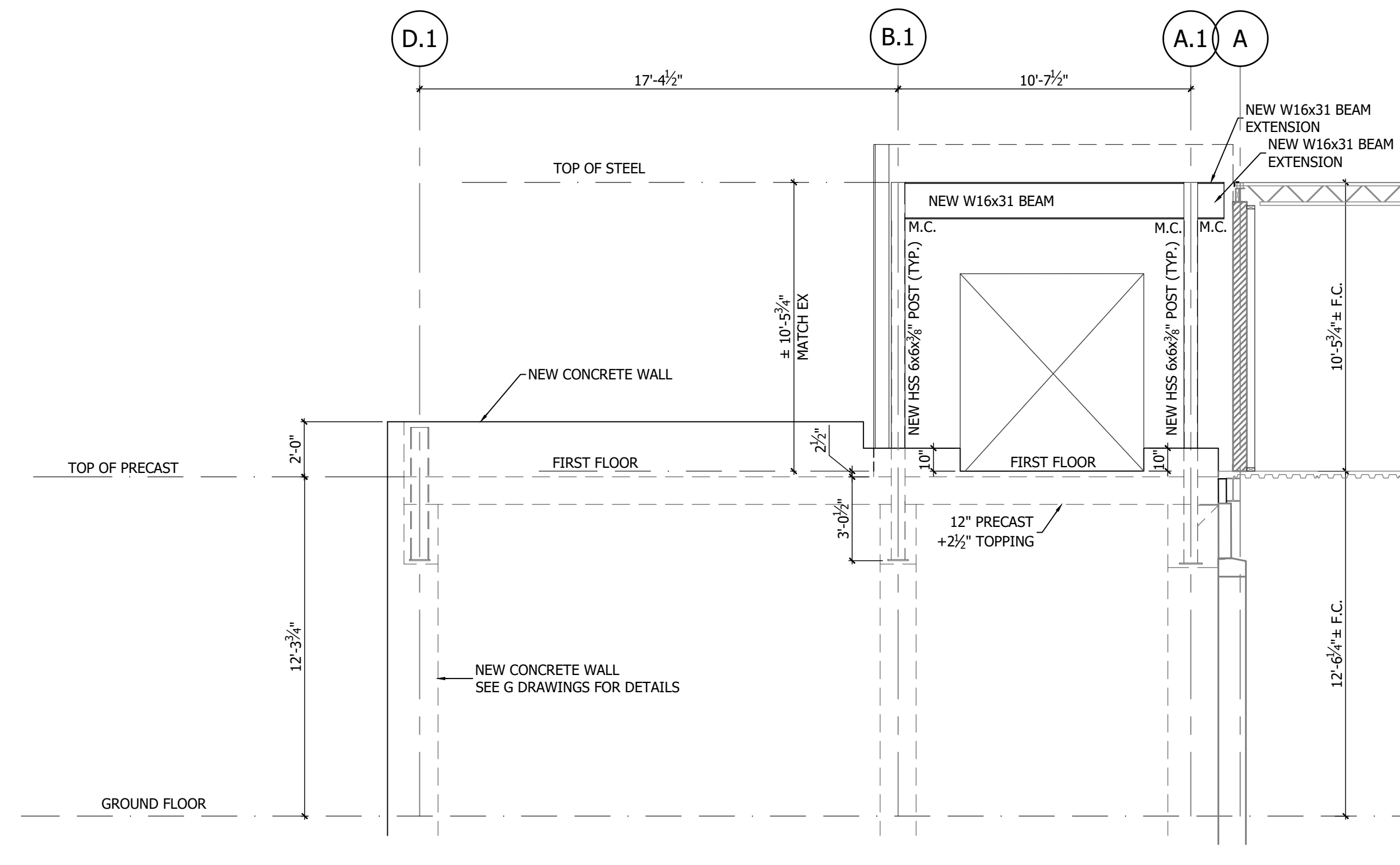
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DATE 2024-07-24		REV. BY		DESCRIPTION	
DRAWN AA		CHECKED JH		PROJECT NUMBER 21367	
DATE 2022-07-12		SCALE AS NOTED		FILE NAME 21367MAIN16	
				SHEET SIZE 24x36	
				<b>S2.1</b>	



**ELEVATION ALONG LINE 6.1**

1/4"=1'-0"

M.C. = STRONG AXIS MOMENT CONNECTION- 57.0 K-ft (FACTORED)



**ELEVATION ALONG LINE 7.1**

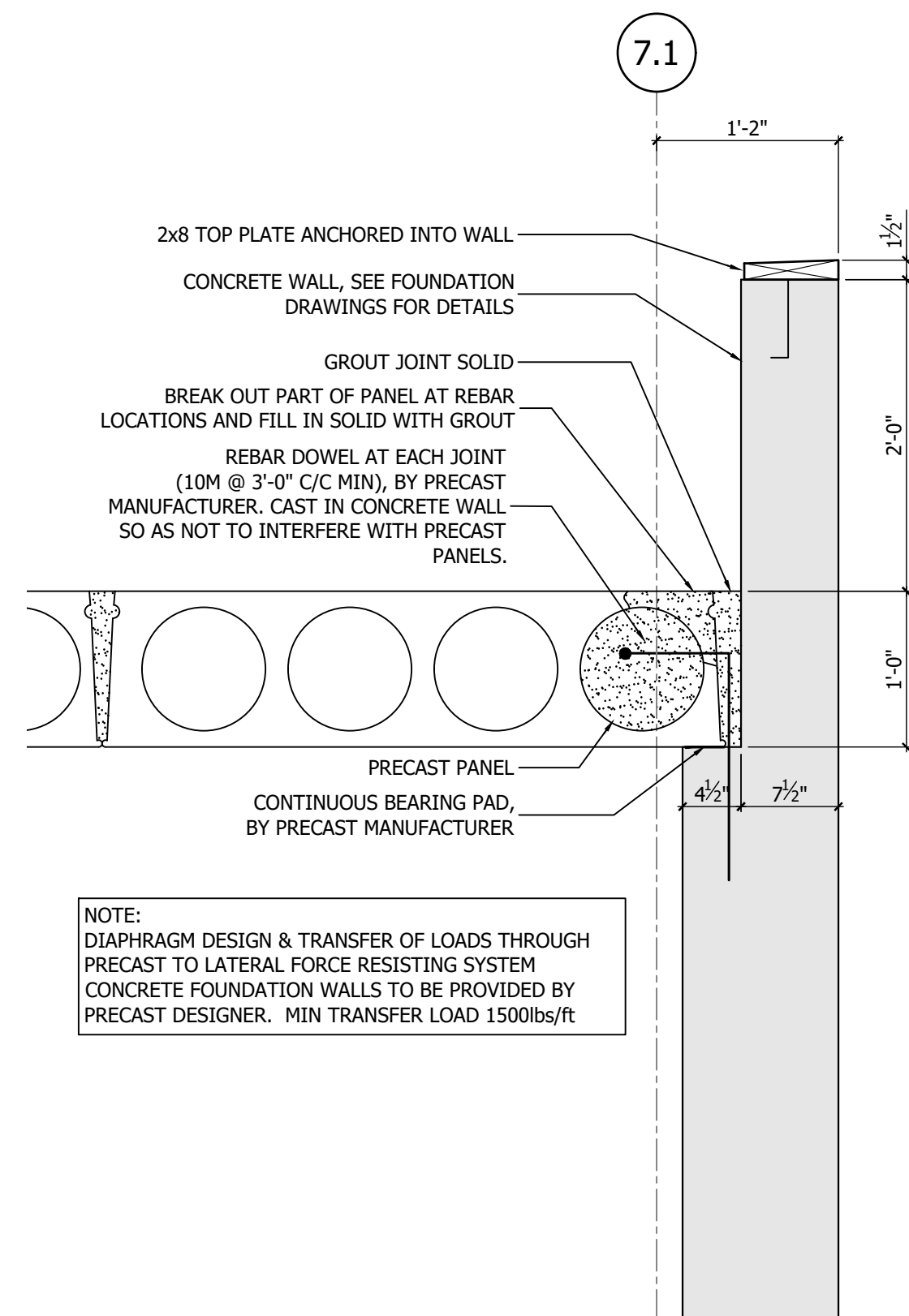
1/4"=1'-0"

M.C. = STRONG AXIS MOMENT CONNECTION- 57.0 K-ft (FACTORED)

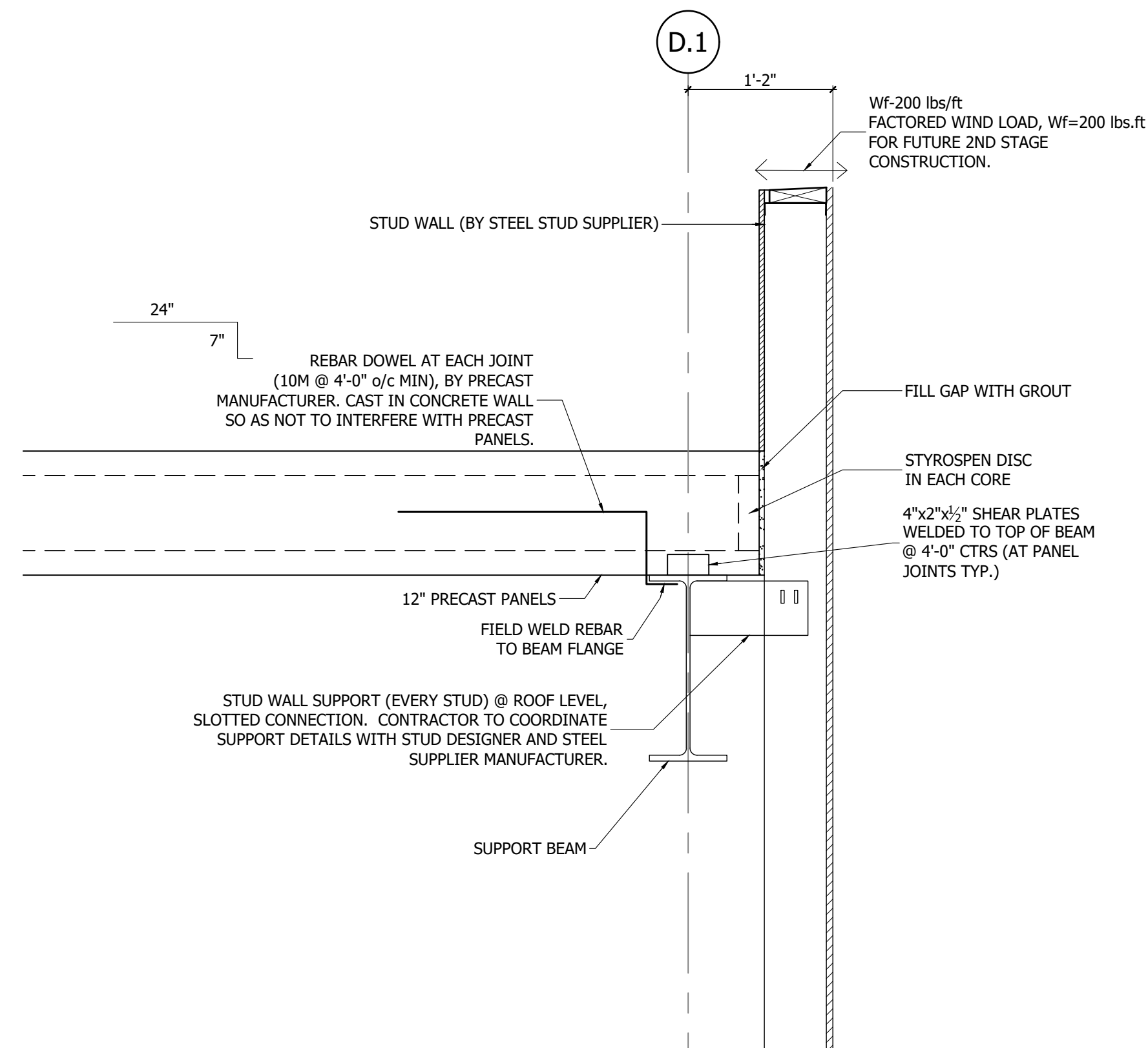


REV.	BY	DESCRIPTION	DATE

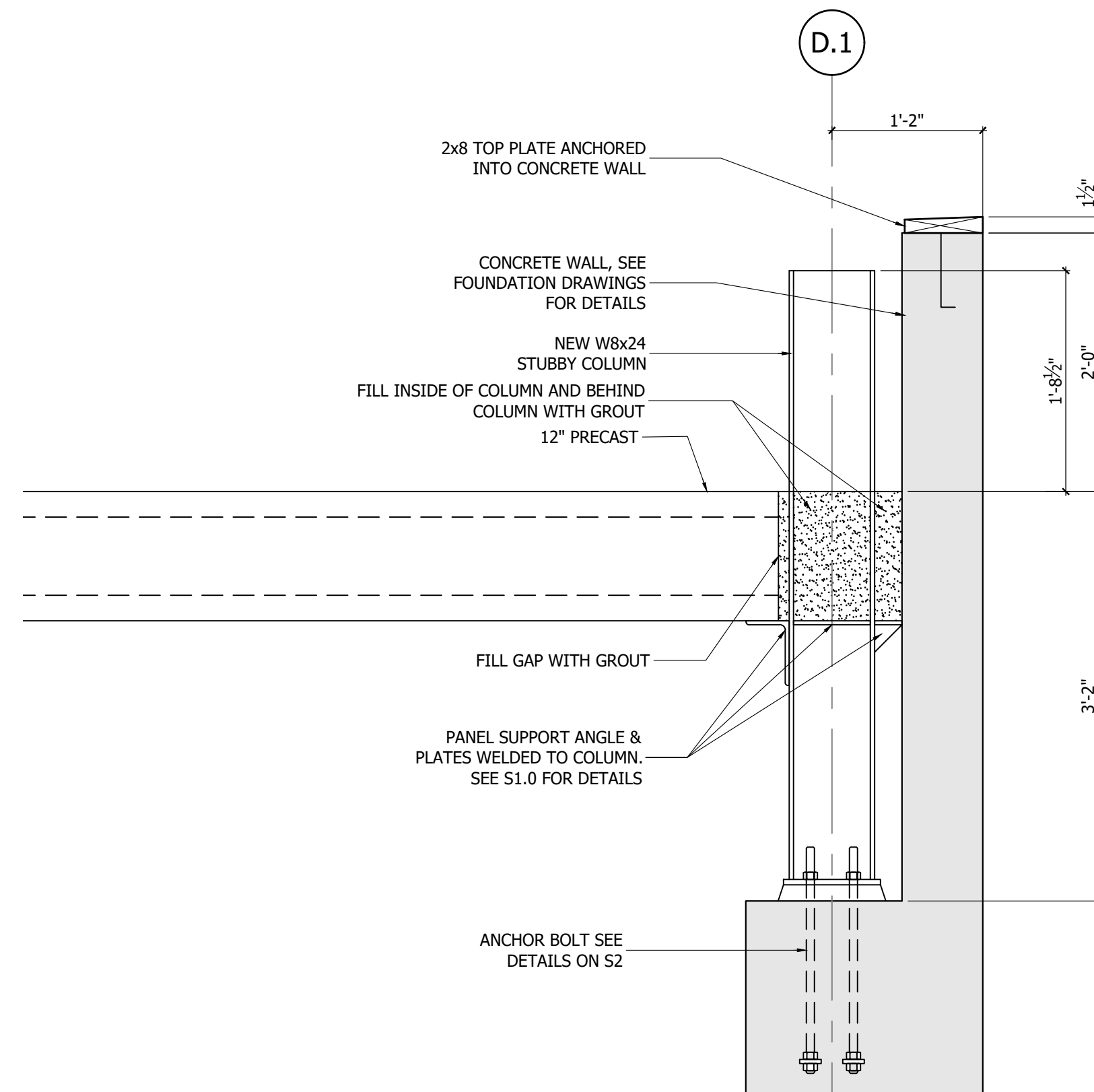
DRAWN AA	CHECKED JH	PROJECT NUMBER 21367	SHEET SIZE 24x36
DATE 2022-07-12	SCALE AS NOTED	FILE NAME 21367MAIN16	<b>S2.2</b>



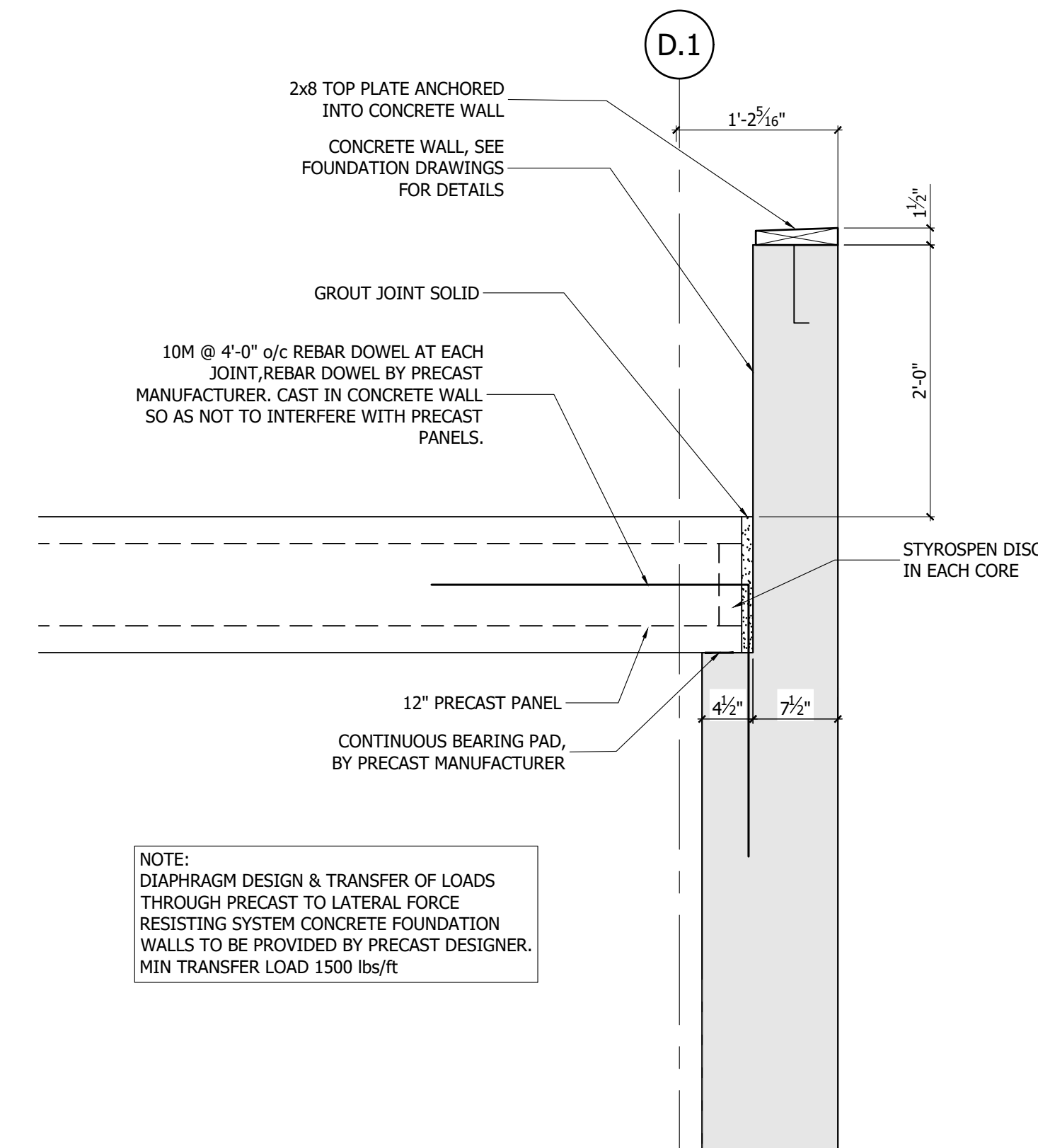
1 SECTION  
S1.1 SCALE: 1"=1'-0"



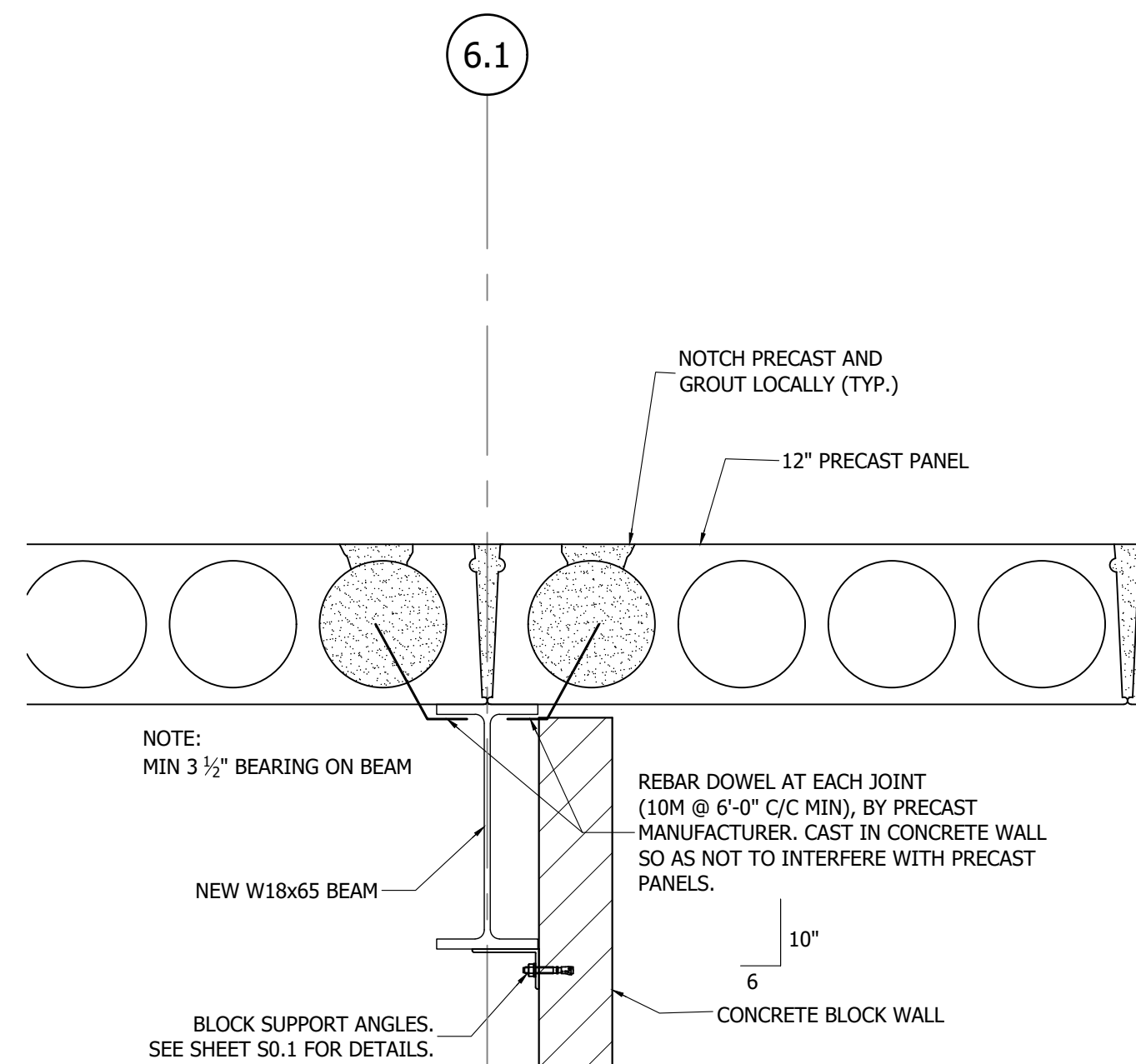
2 SECTION  
S1.1 SCALE: 1"=1'-0"



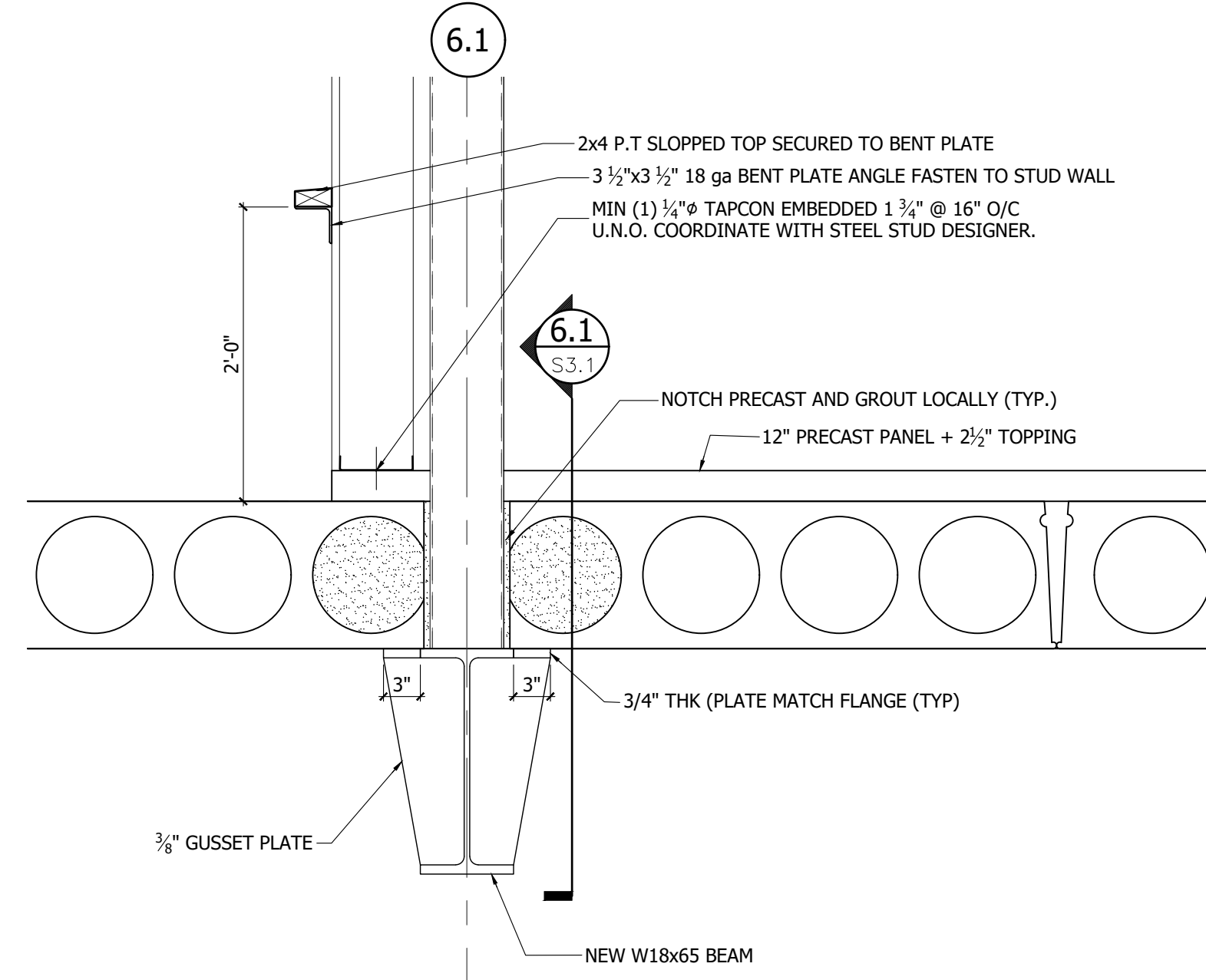
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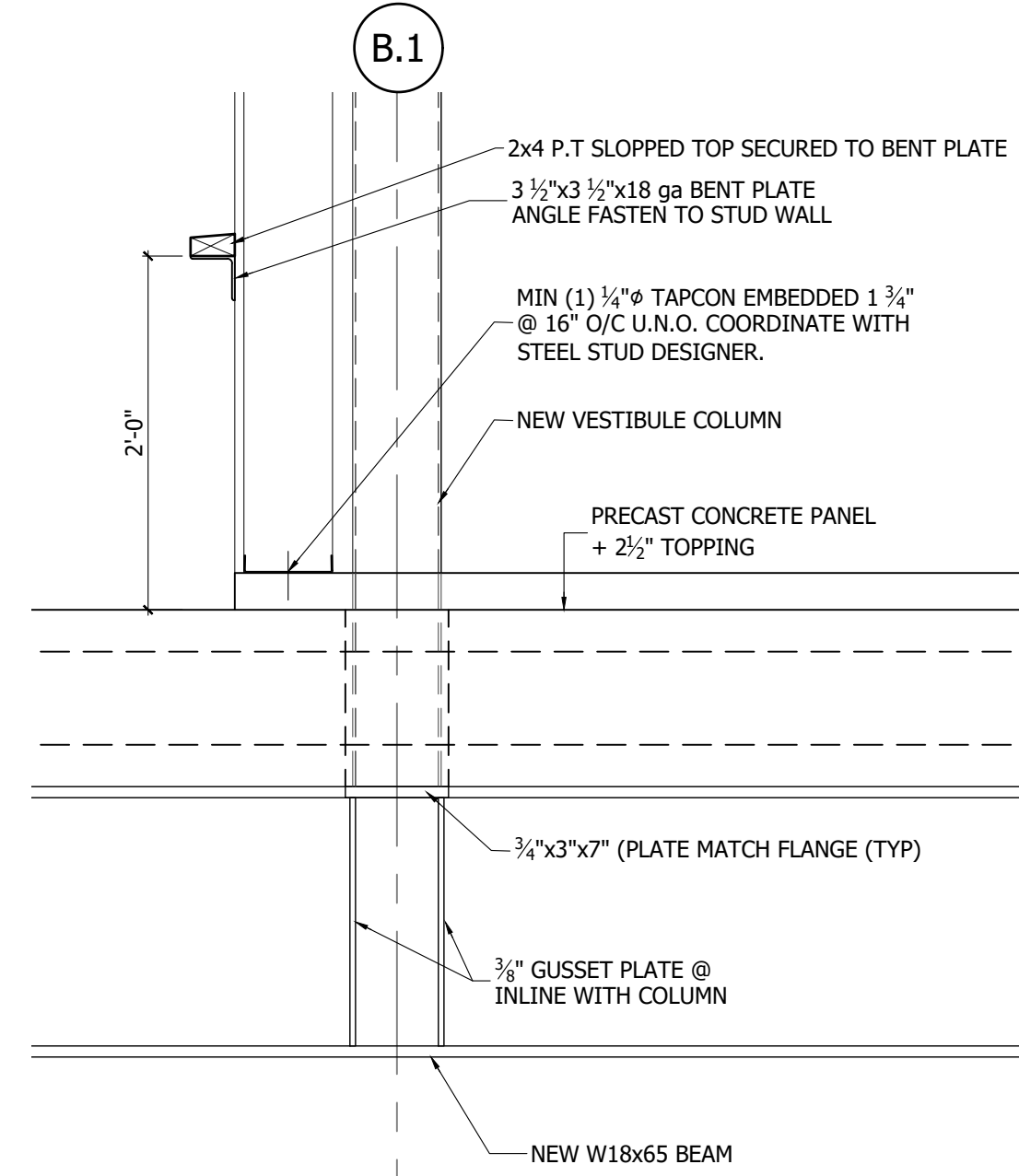
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S1.1 SCALE: 1"=1'-0"



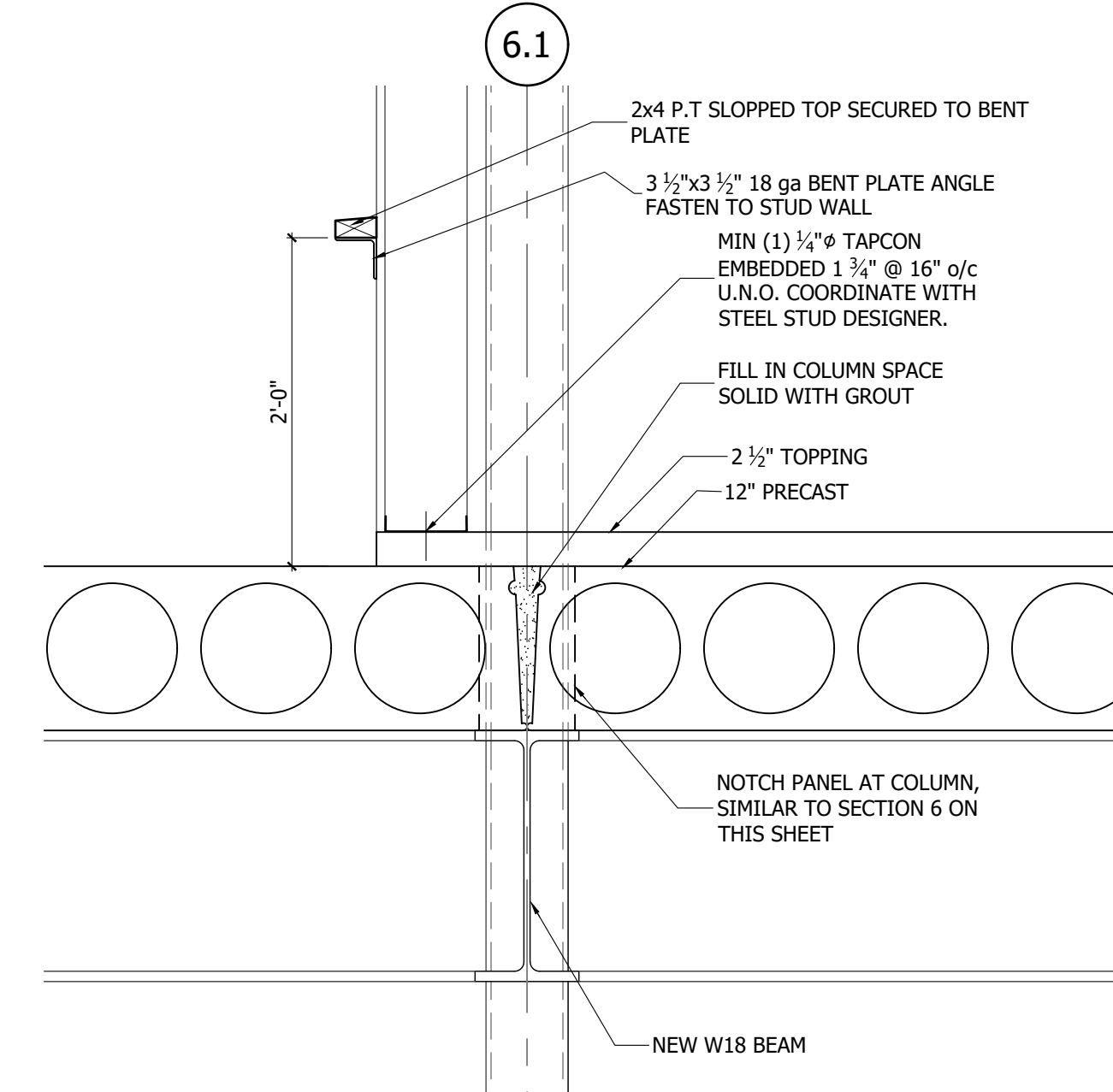
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S1.1 SCALE: 1"=1'-0"



6 SECTION  
S1.1 SCALE: 1"=1'-0"



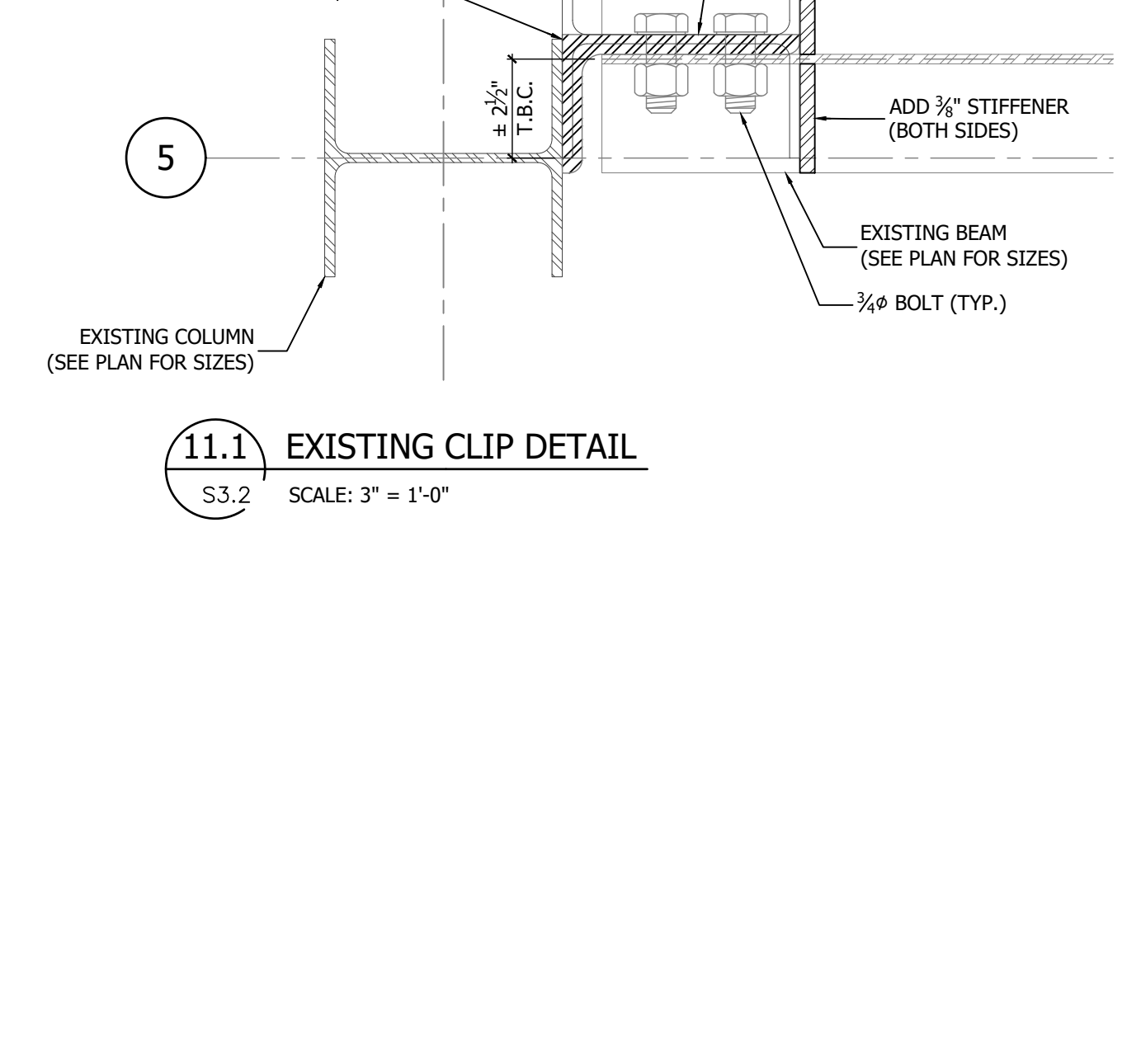
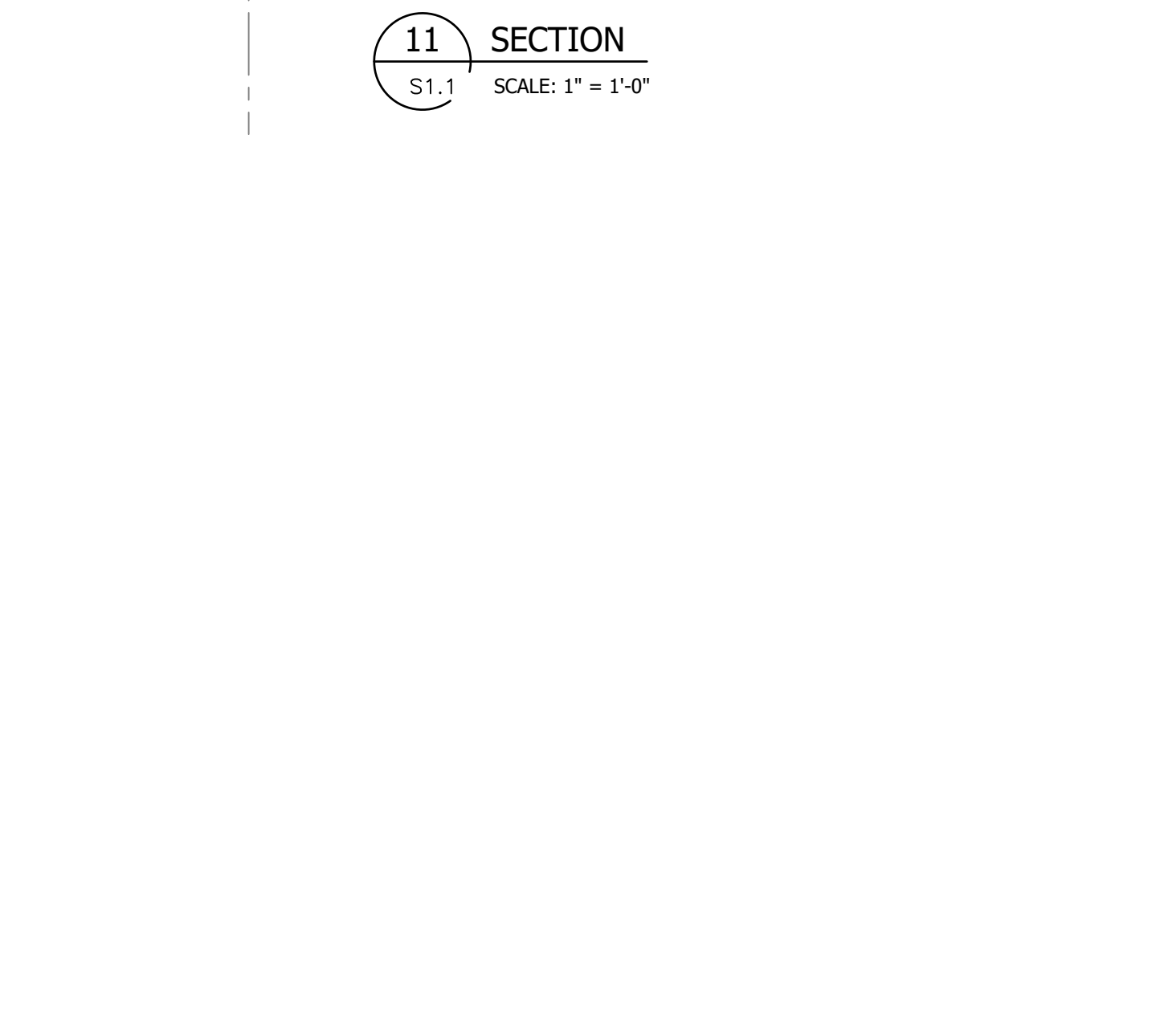
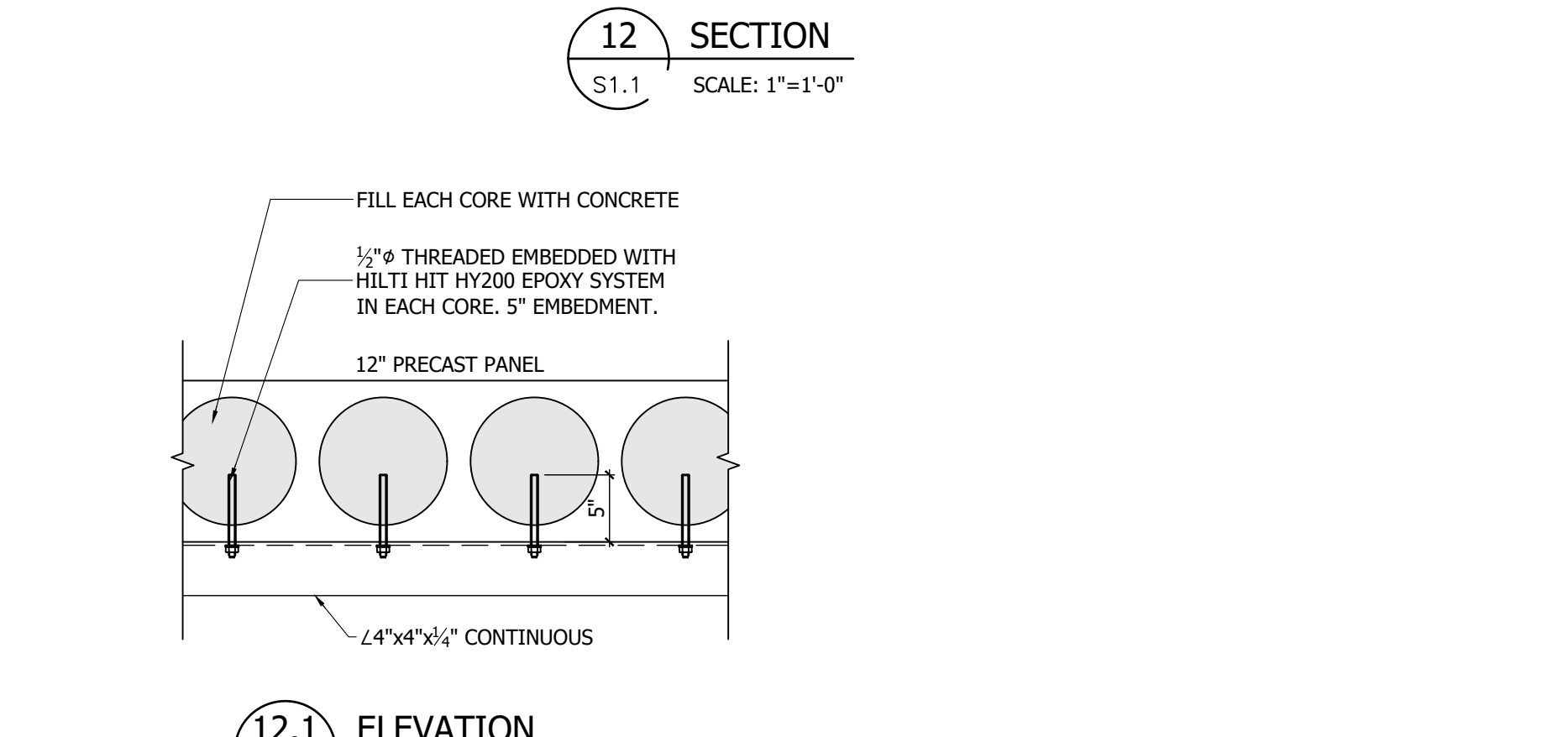
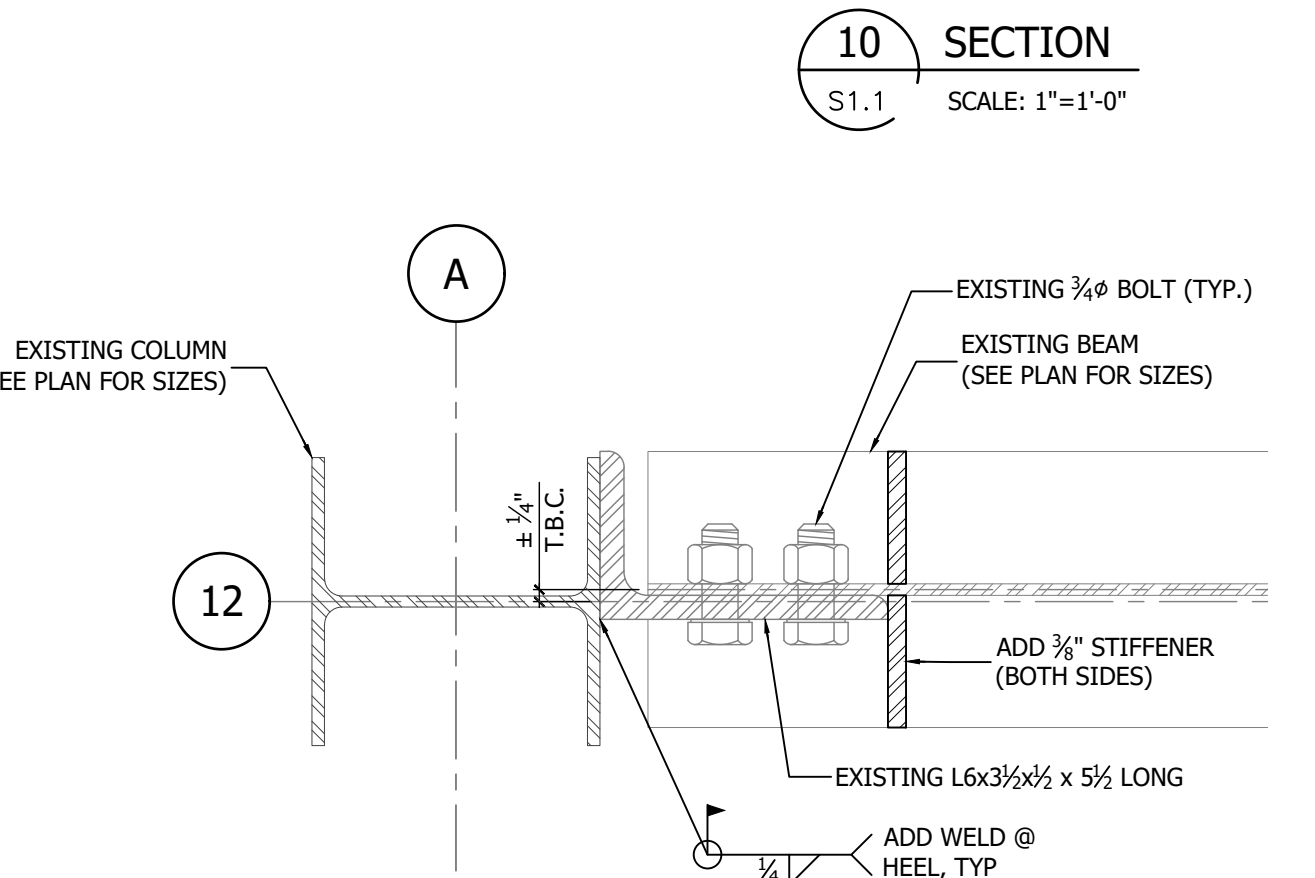
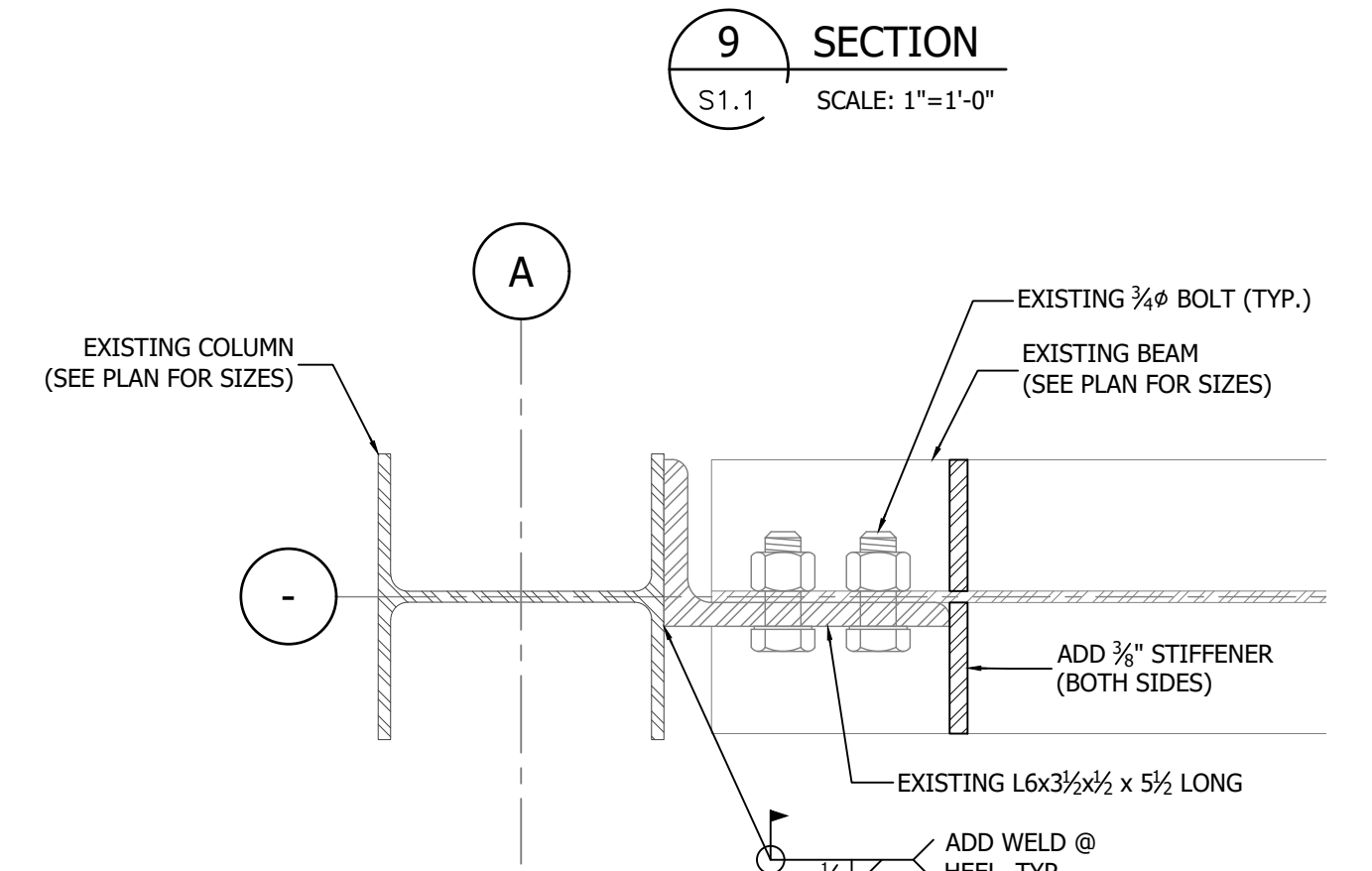
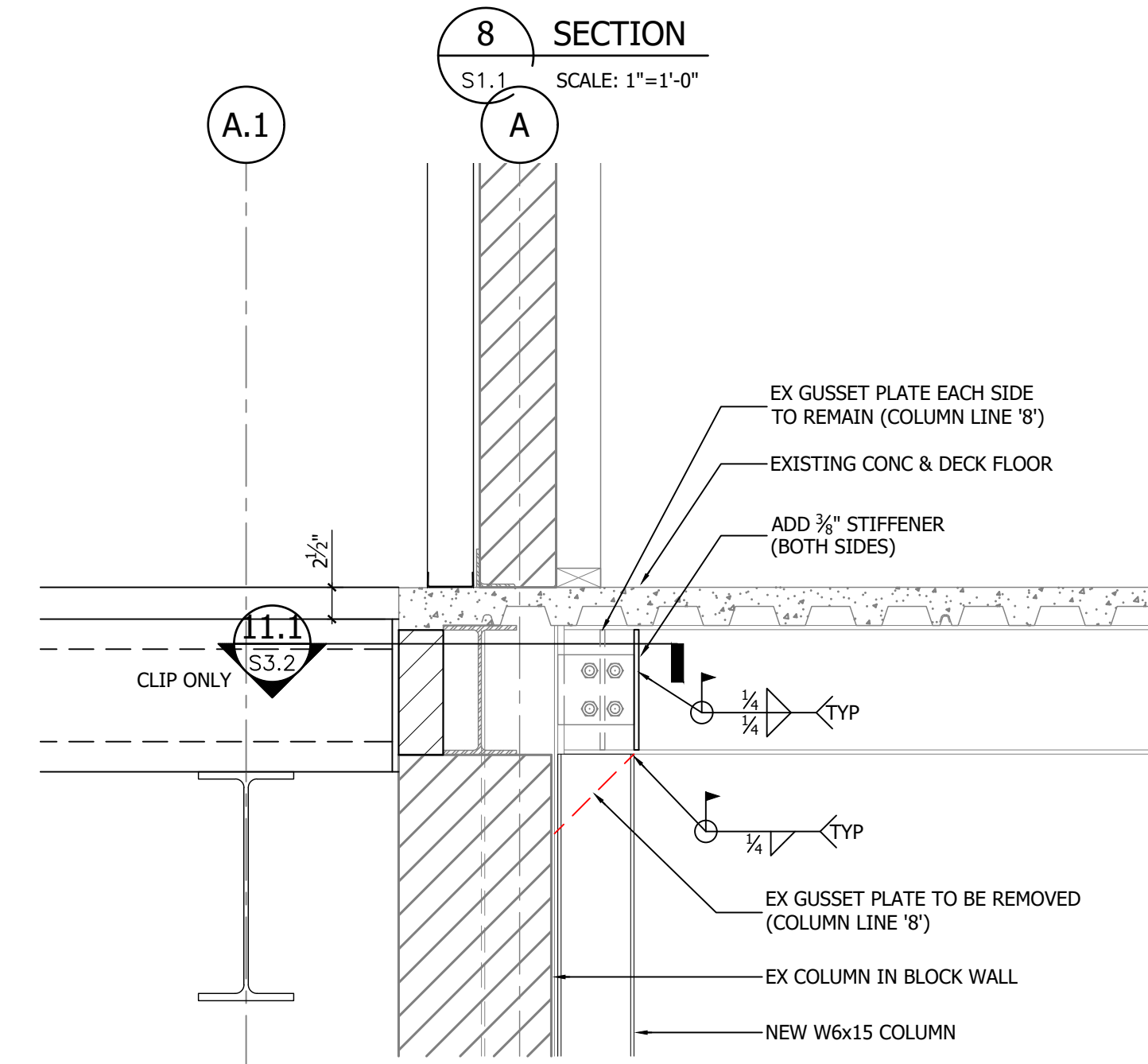
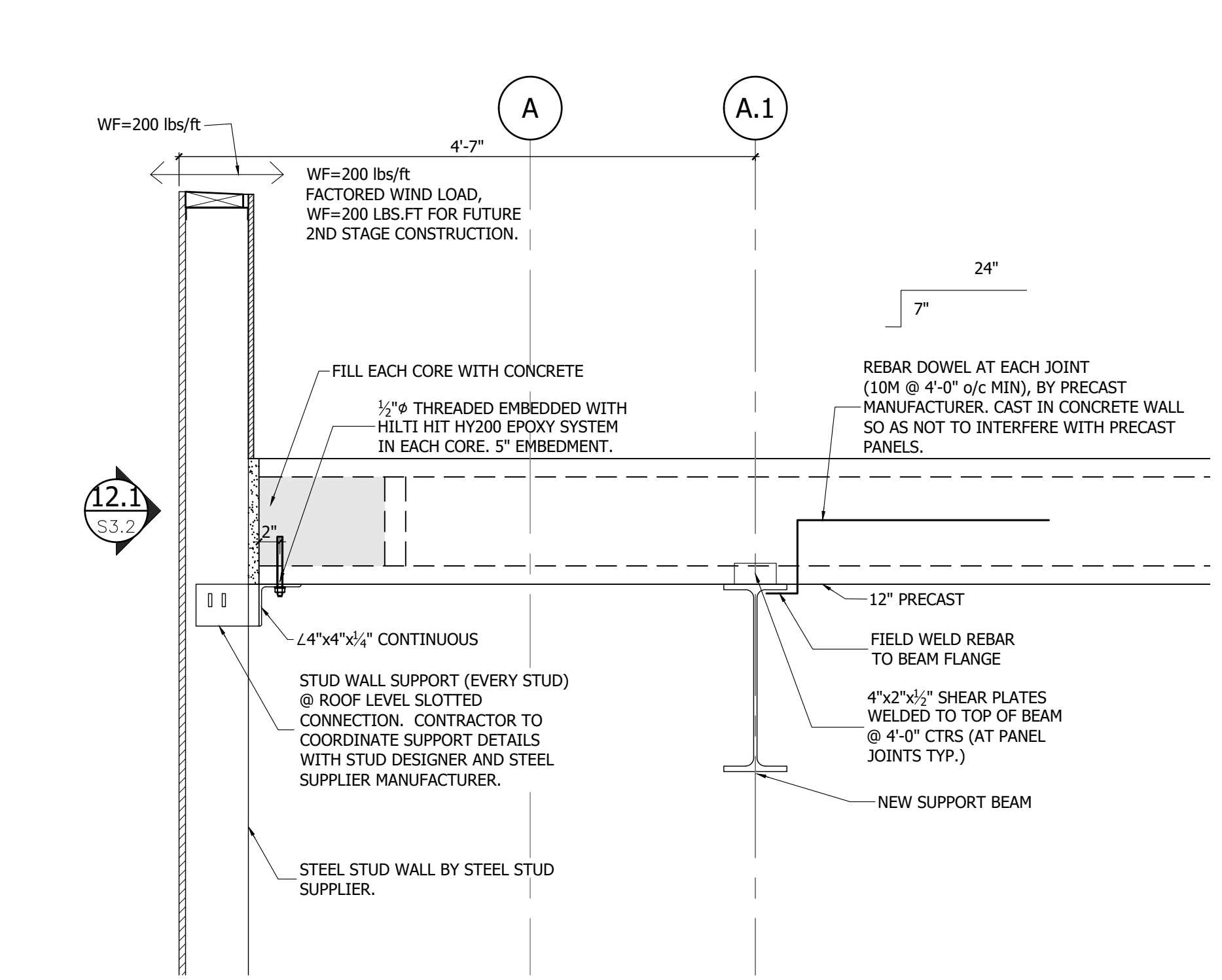
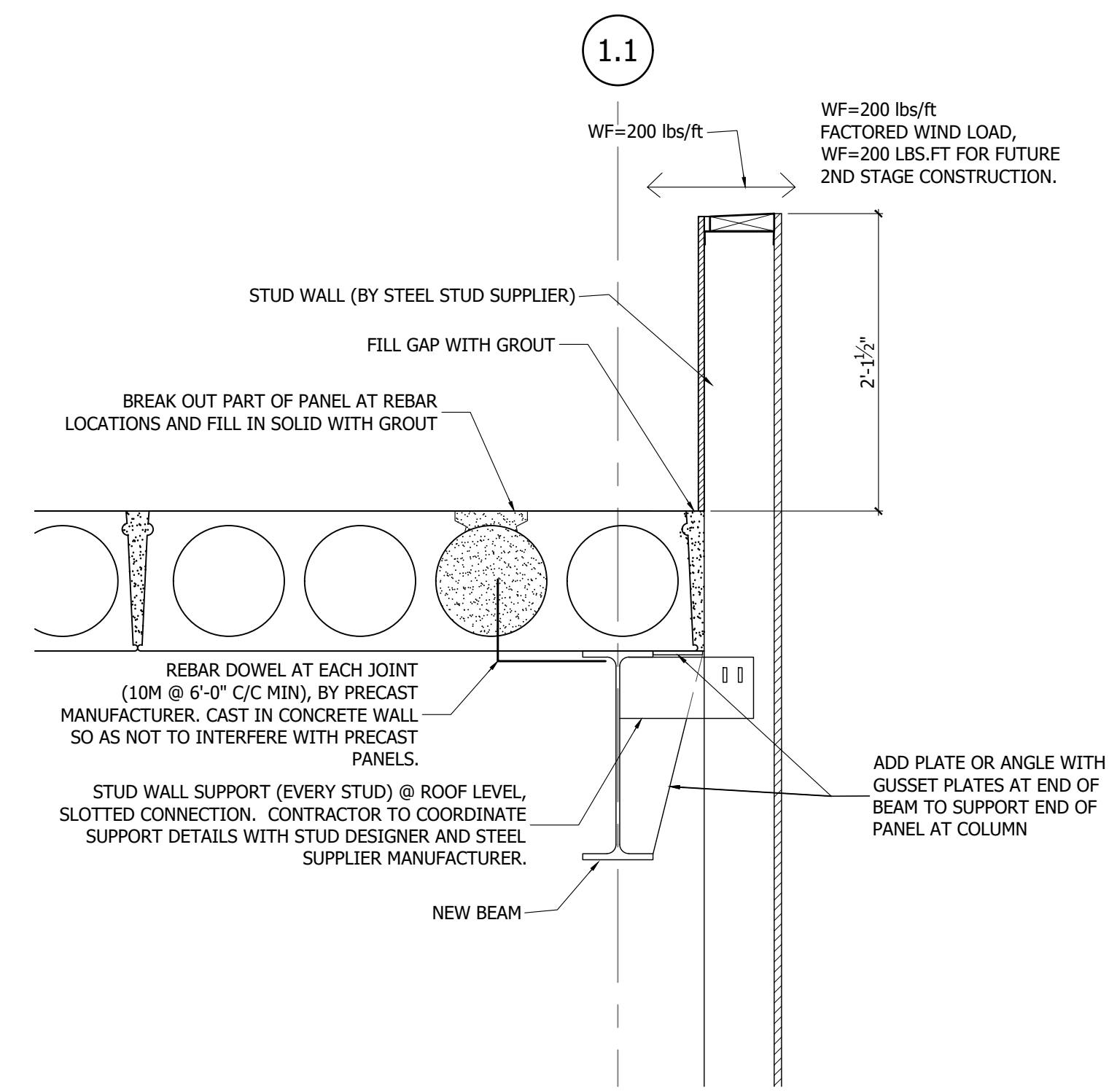
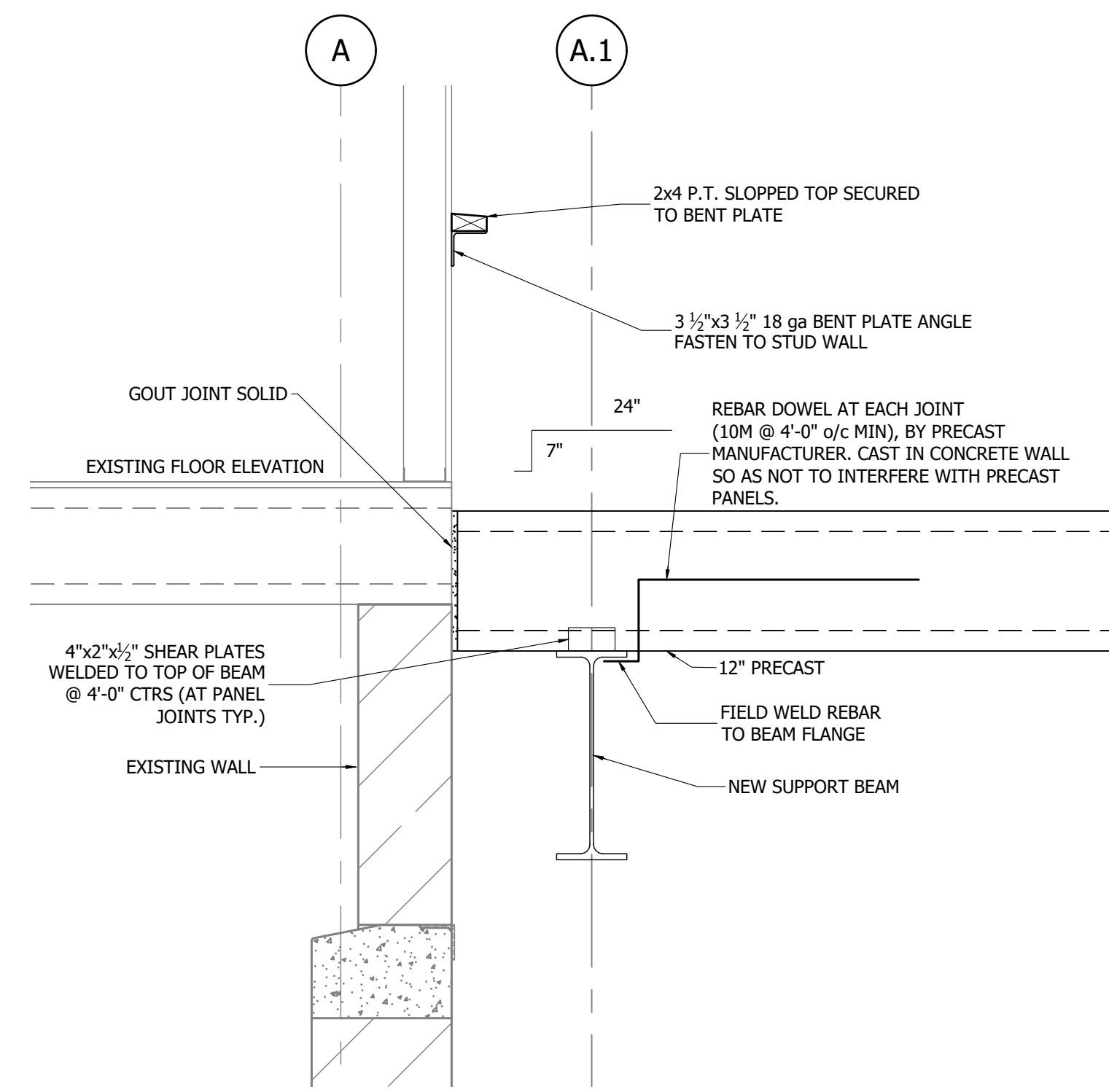
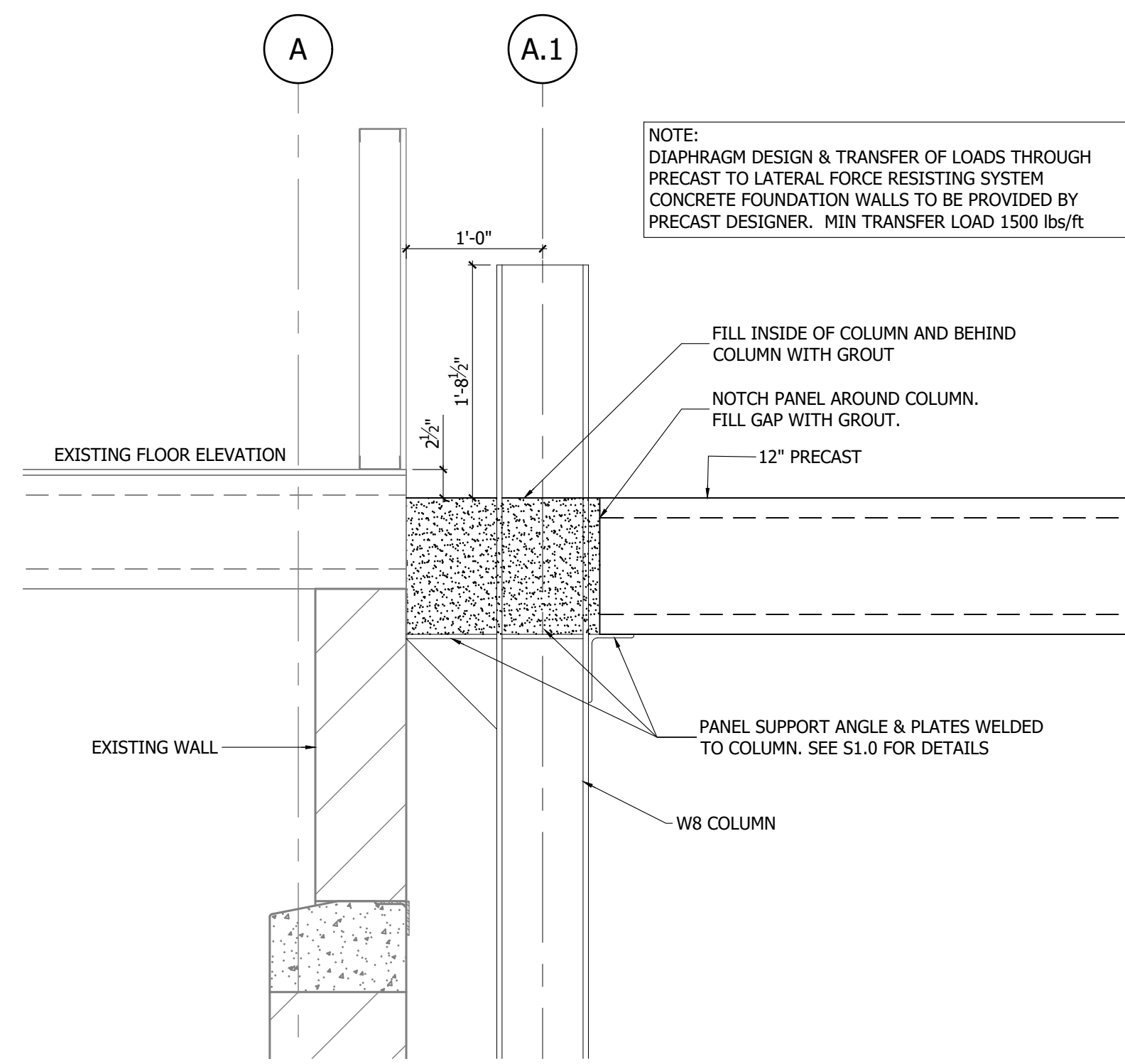
6.1 SECTION  
S1.1 SCALE: 1"=1'-0"



7 SECTION  
S1.1 SCALE: 1"=1'-0"



ISSUED FOR		STAMP	NORTH ARROW	REV.	BY	DESCRIPTION	DATE
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<input type="checkbox"/>	CLIENT REVIEW						
<input type="checkbox"/>	SITE PLAN APPROVAL						
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DATE 2024-07-24							
DRAWN	CHECKED	PROJECT NUMBER	SHEET SIZE				
AA	JH	21367	24x36				
DATE	SCALE	FILE NAME					
2022-07-12	AS NOTED	21367MAIN16					
			<b>S3.1</b>				



ISSUED FOR		STAMP	NORTH ARROW		
<input type="checkbox"/> PRELIMINARY <input type="checkbox"/> CLIENT REVIEW <input type="checkbox"/> SITE PLAN APPROVAL <input type="checkbox"/> BUILDING PERMIT <input checked="" type="checkbox"/> TENDER <input type="checkbox"/> CONSTRUCTION					
DATE 2024-07-24					
REV.	BY	DESCRIPTION		DATE	

CLIENT  
CITY OF WOODSTOCK  
ENGINEERING BLDG  
944 JAMES ST

PROJECT  
ADDITION  
AND  
RENOVATION

DRAWING  
SECTIONS

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DRAWN  
AA

DATE  
2022-07-12

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JH

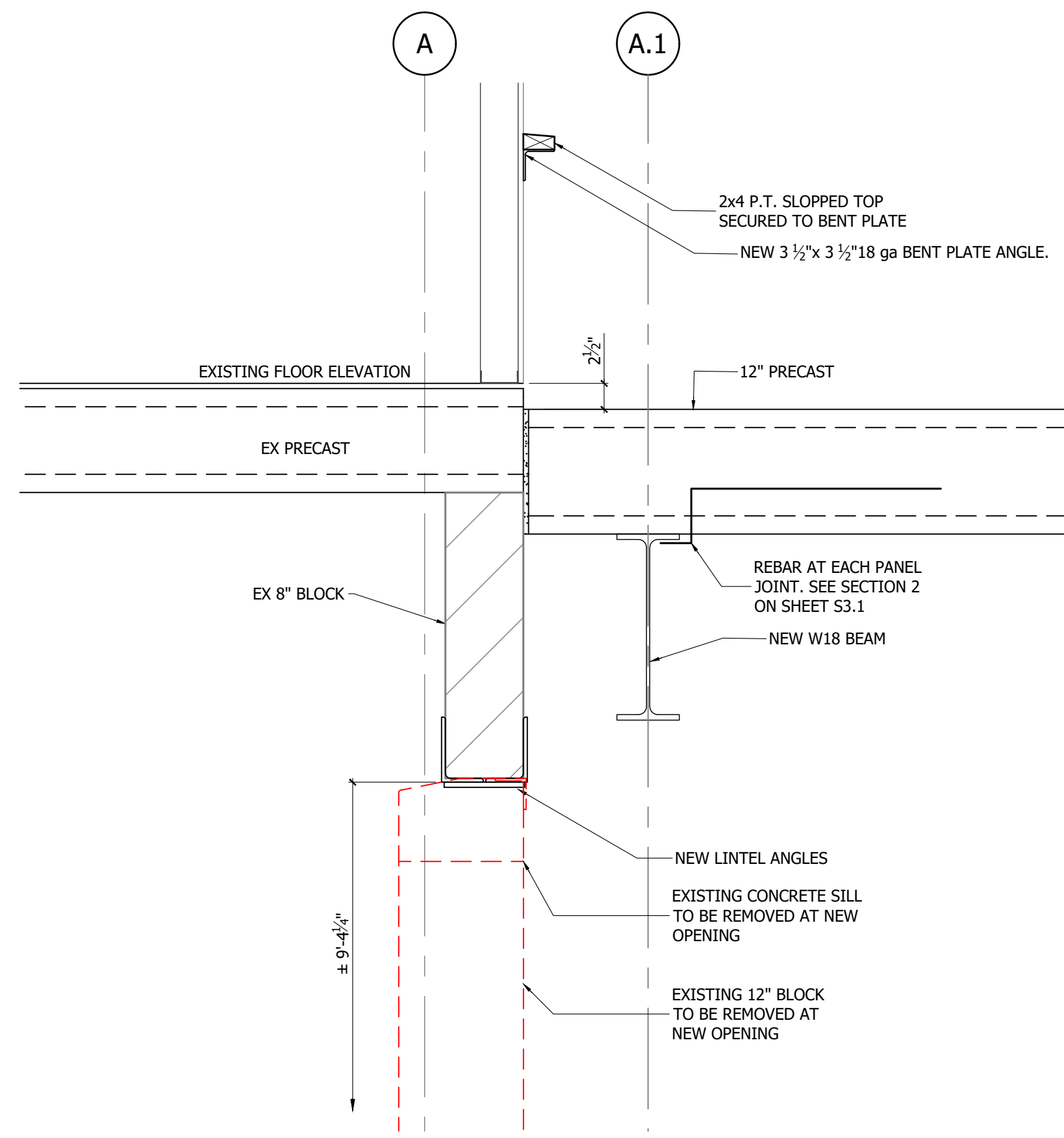
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AS NOTED

PROJECT NUMBER  
21367

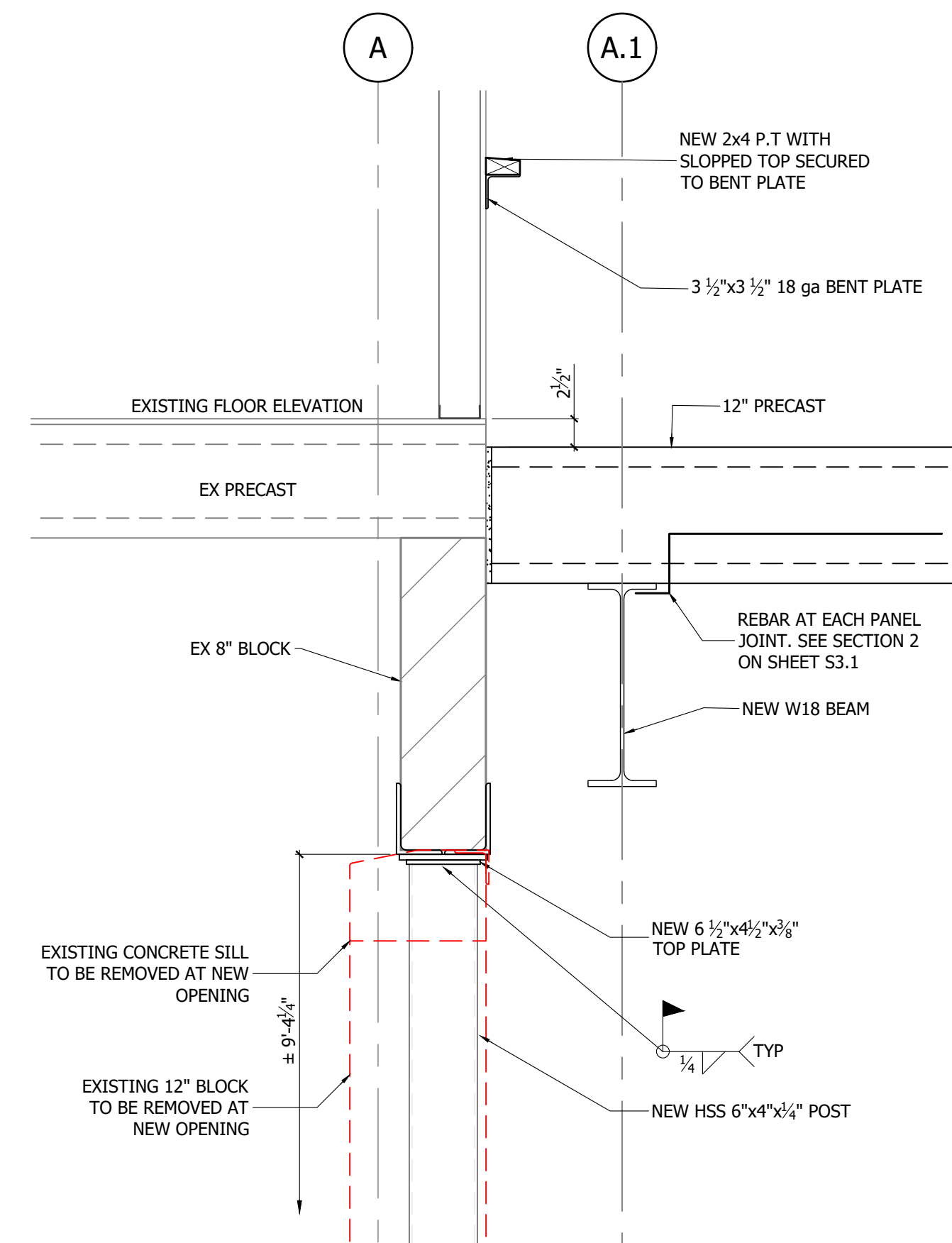
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21367MAIN16

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24x36

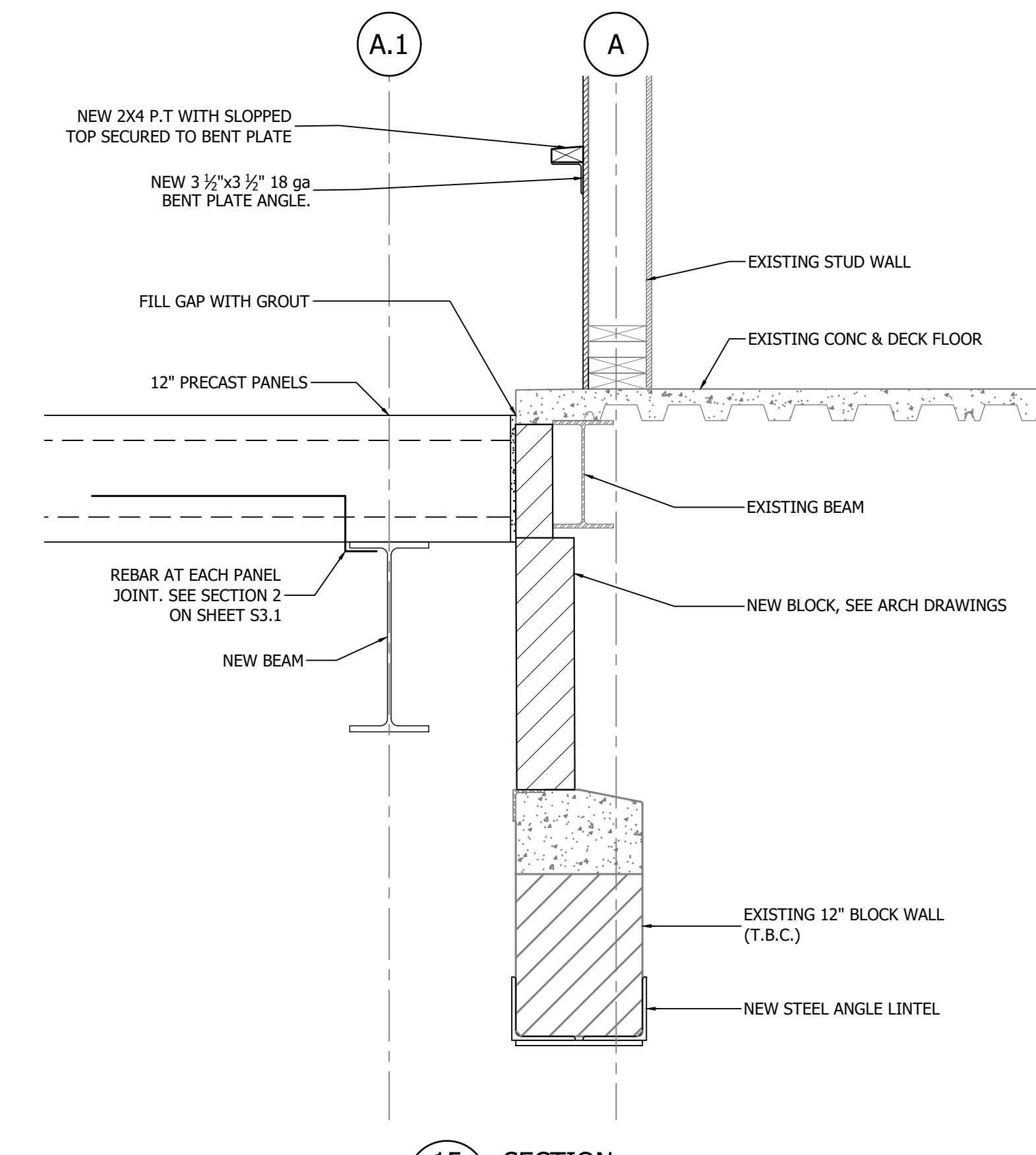
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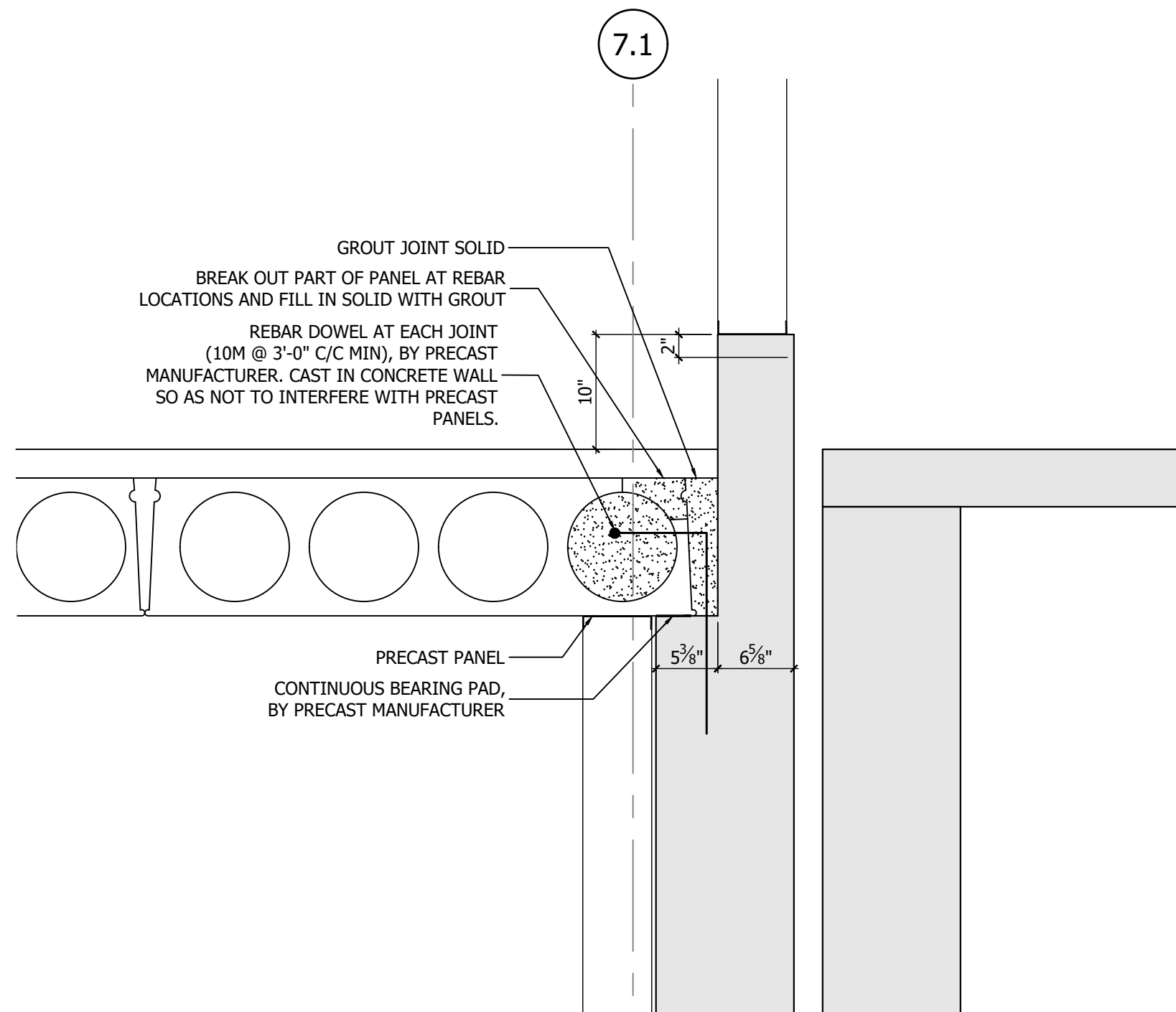
13 SECTION  
S1.1 SCALE: 1"=1'-0"



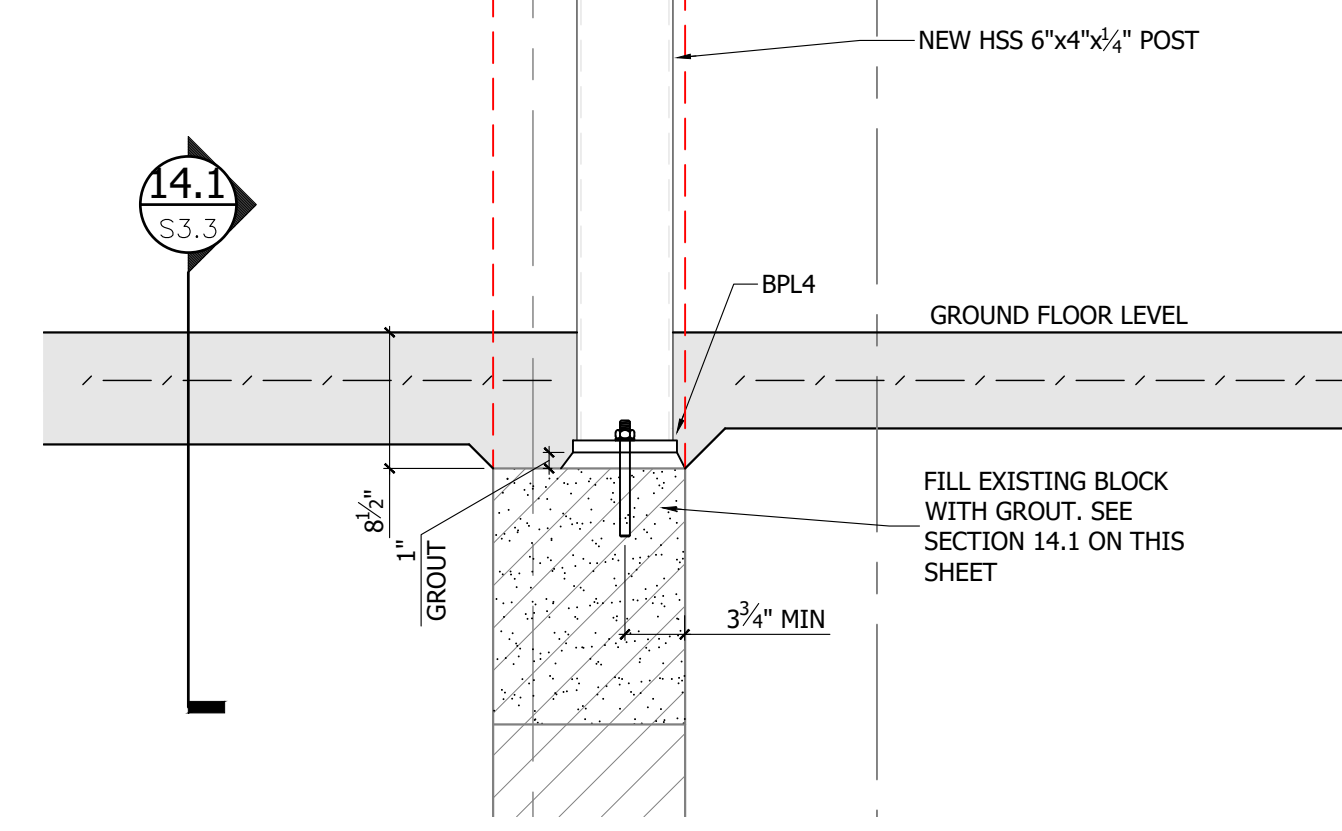
14 SECTION  
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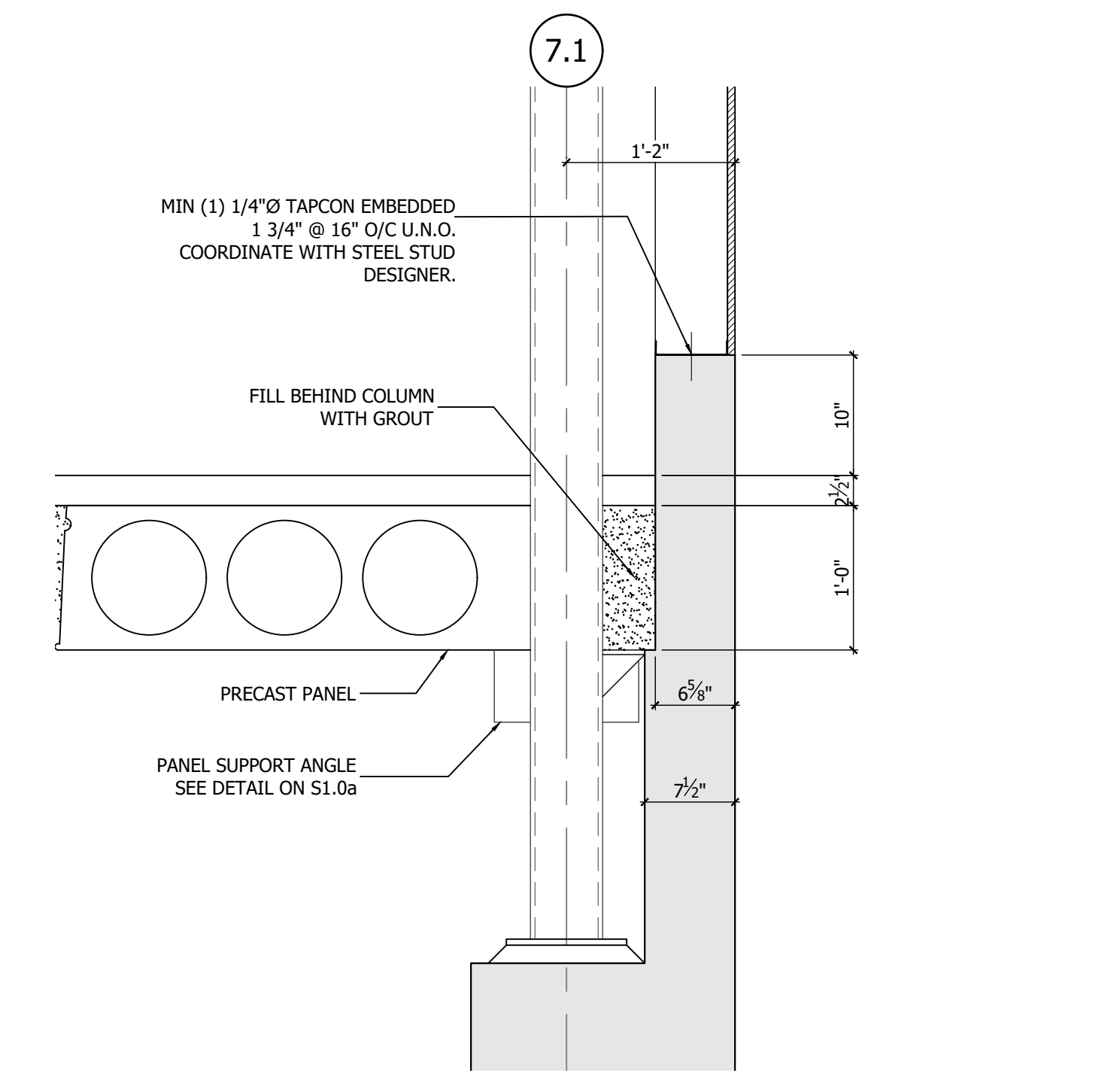
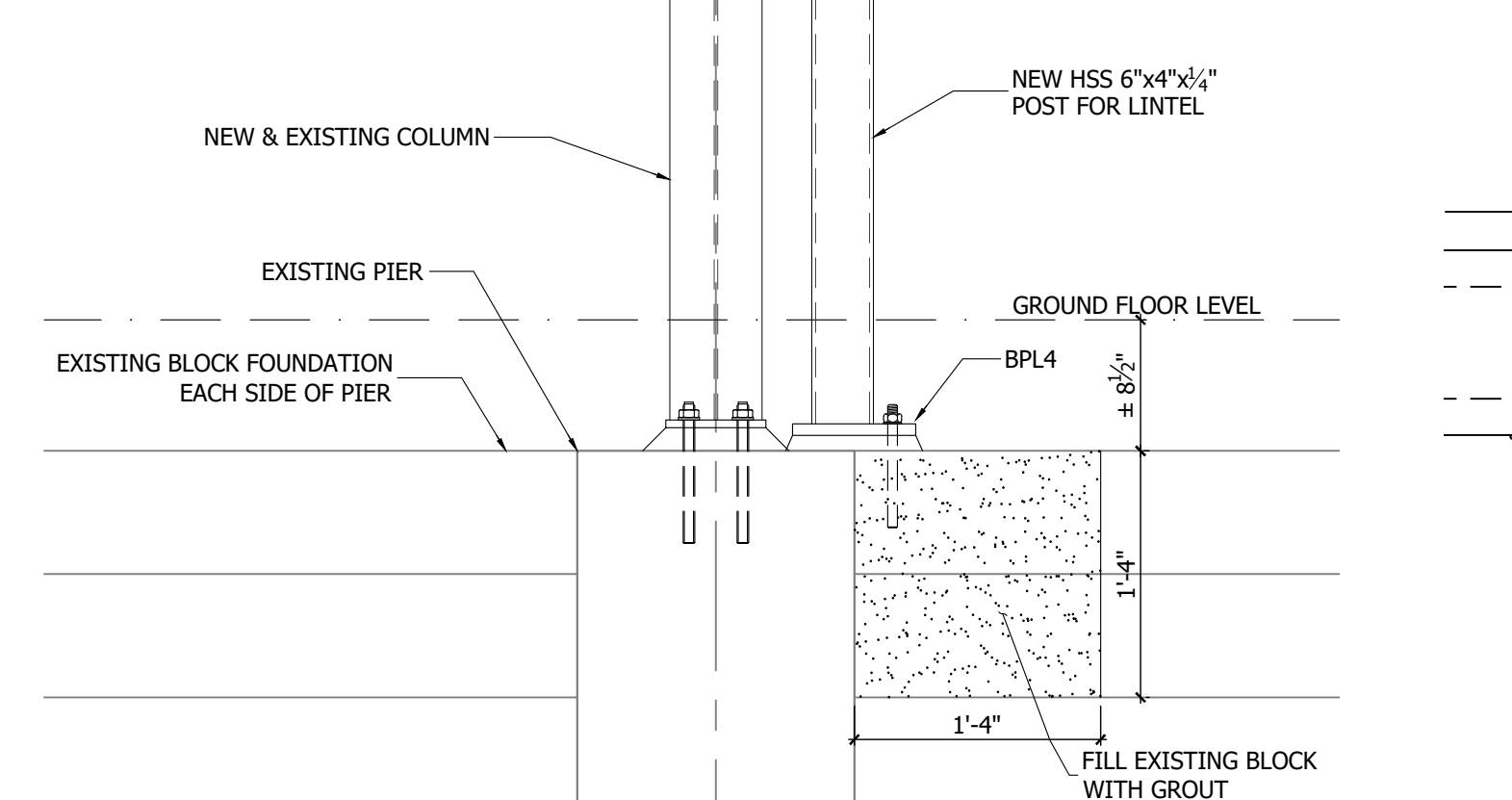
15 SECTION  
S1.1 SCALE: 1"=1'-0"



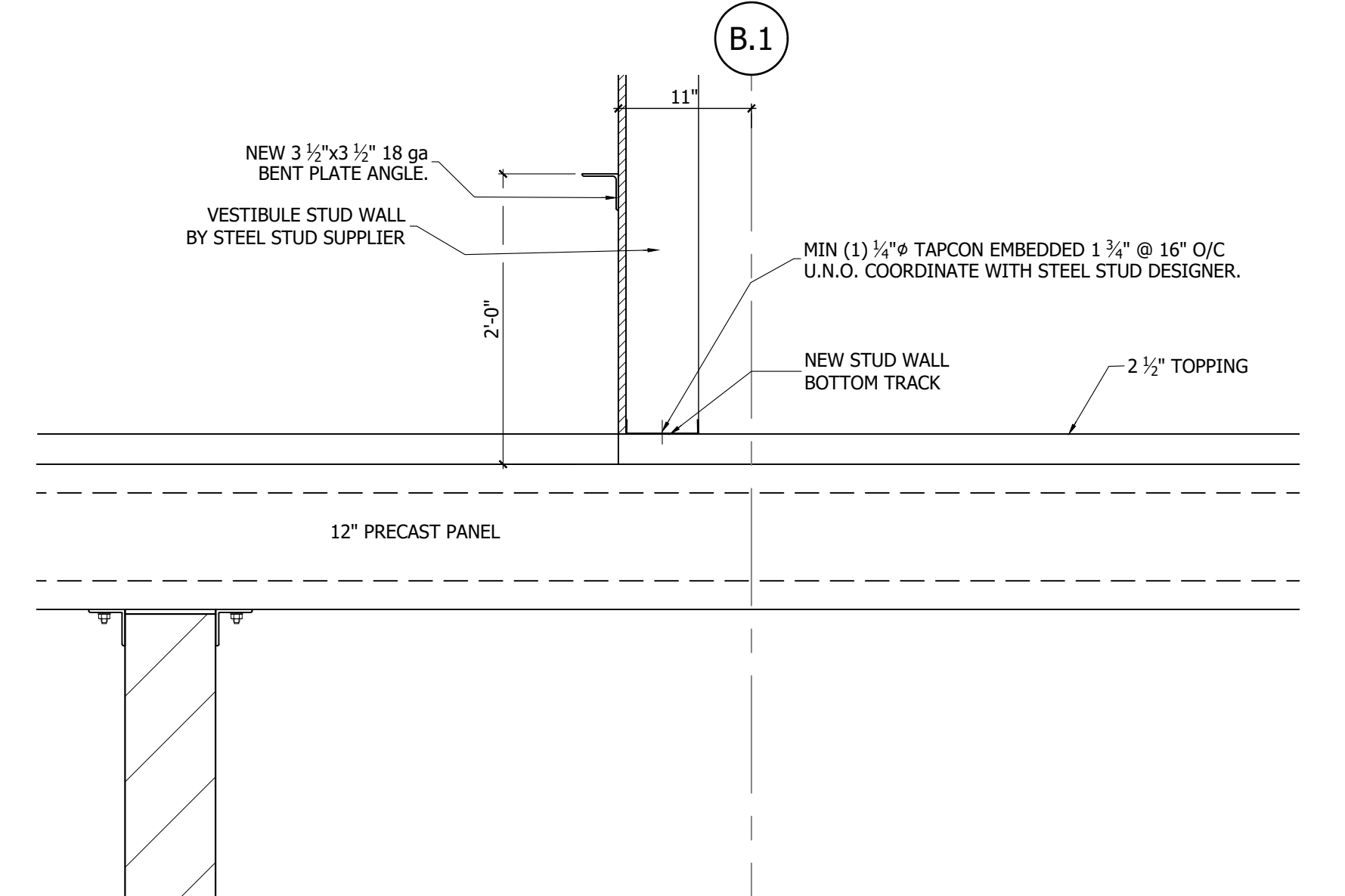
16.x SECTION  
S1.1 SCALE: 1"=1'-0"



14.1 SECTION  
S3.3 SCALE: 1"=1'-0"



16 SECTION  
S1.1 SCALE: 1"=1'-0"



17 SECTION  
S1.1 SCALE: 1"=1'-0"

CLIENT  
**CITY OF WOODSTOCK**  
ENGINEERING BLDG  
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AND  
RENOVATION**

DRAWING  
**SECTIONS**

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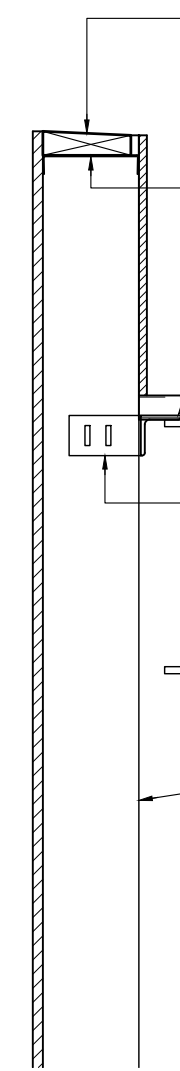
ISSUED FOR  
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 BUILDING PERMIT  
 TENDER  
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NORTH ARROW  
REV. BY DESCRIPTION DATE

AA	JH	21367	24x36
2022-07-12	AS NOTED	21367MAIN16	<b>S3.3</b>

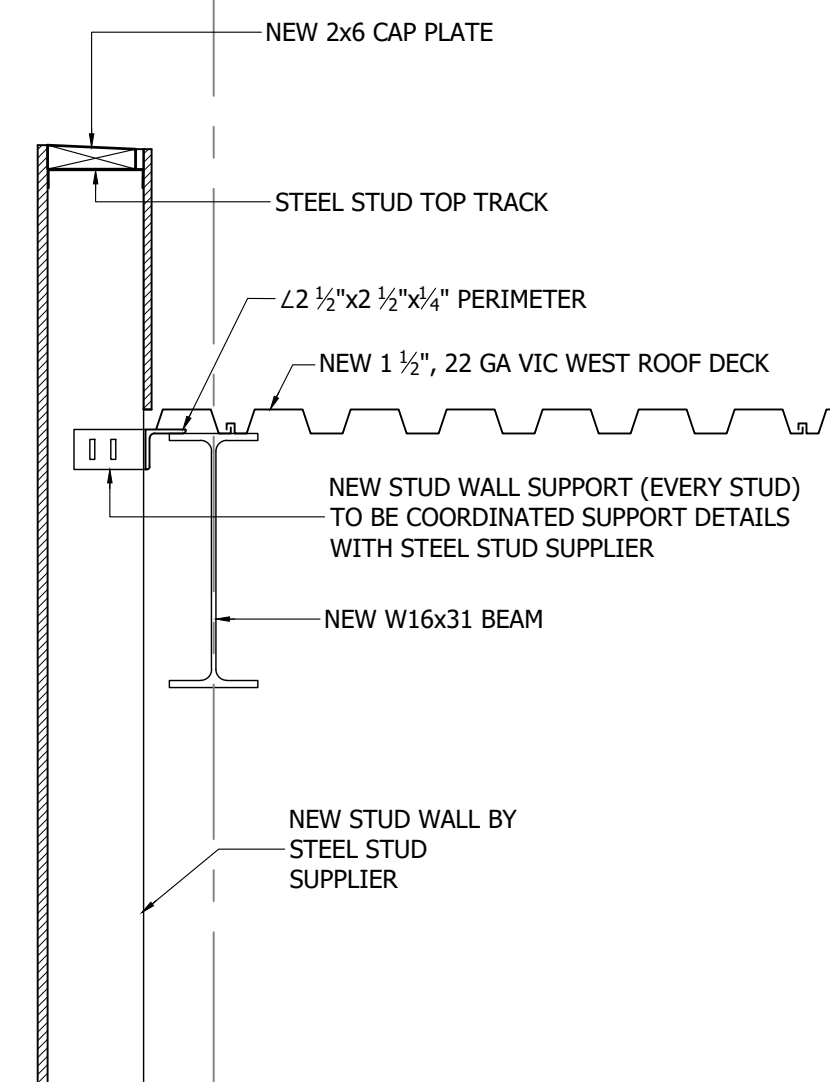


B.1



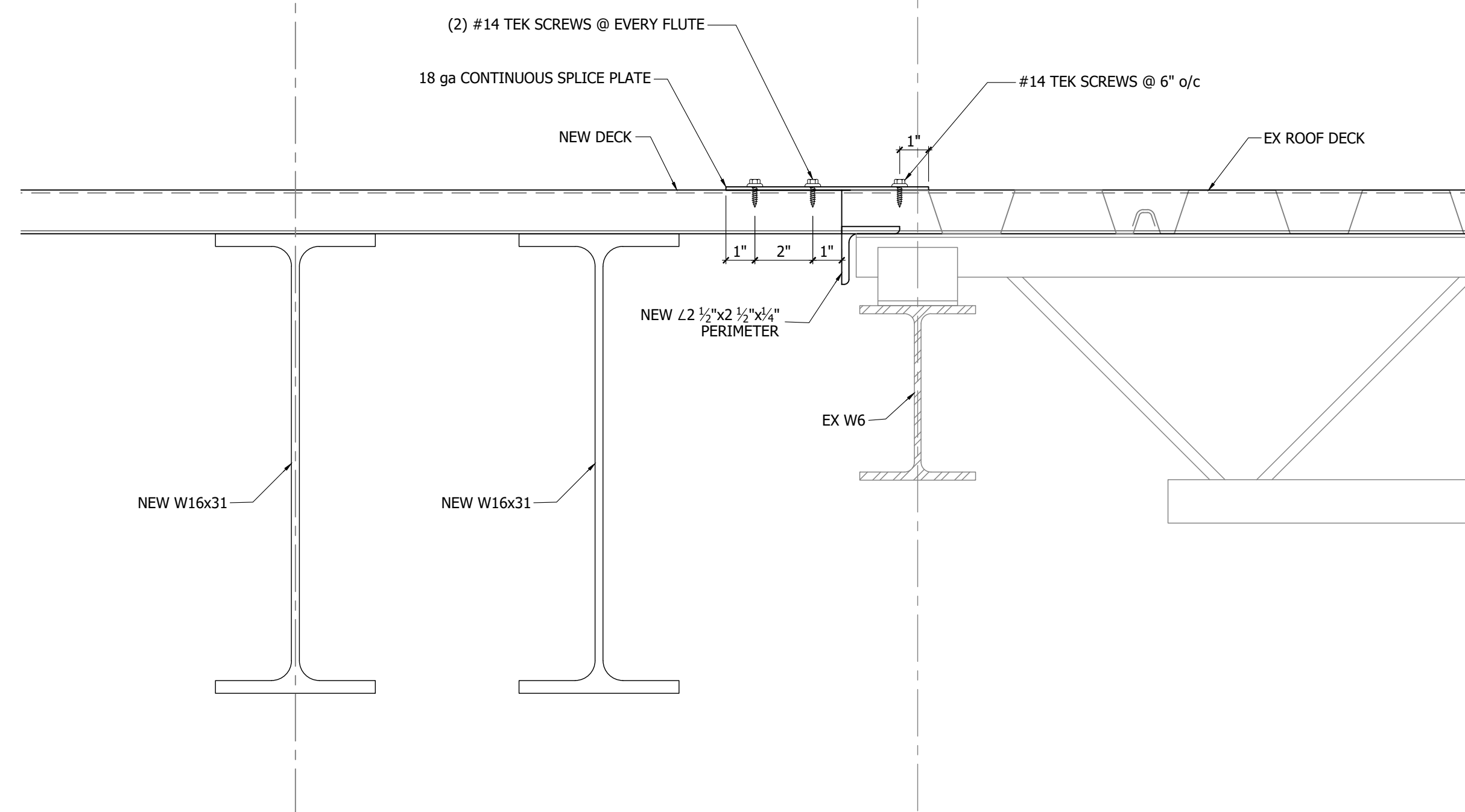
18 SECTION  
S3.4 SCALE: 1"=1'-0"

GRID



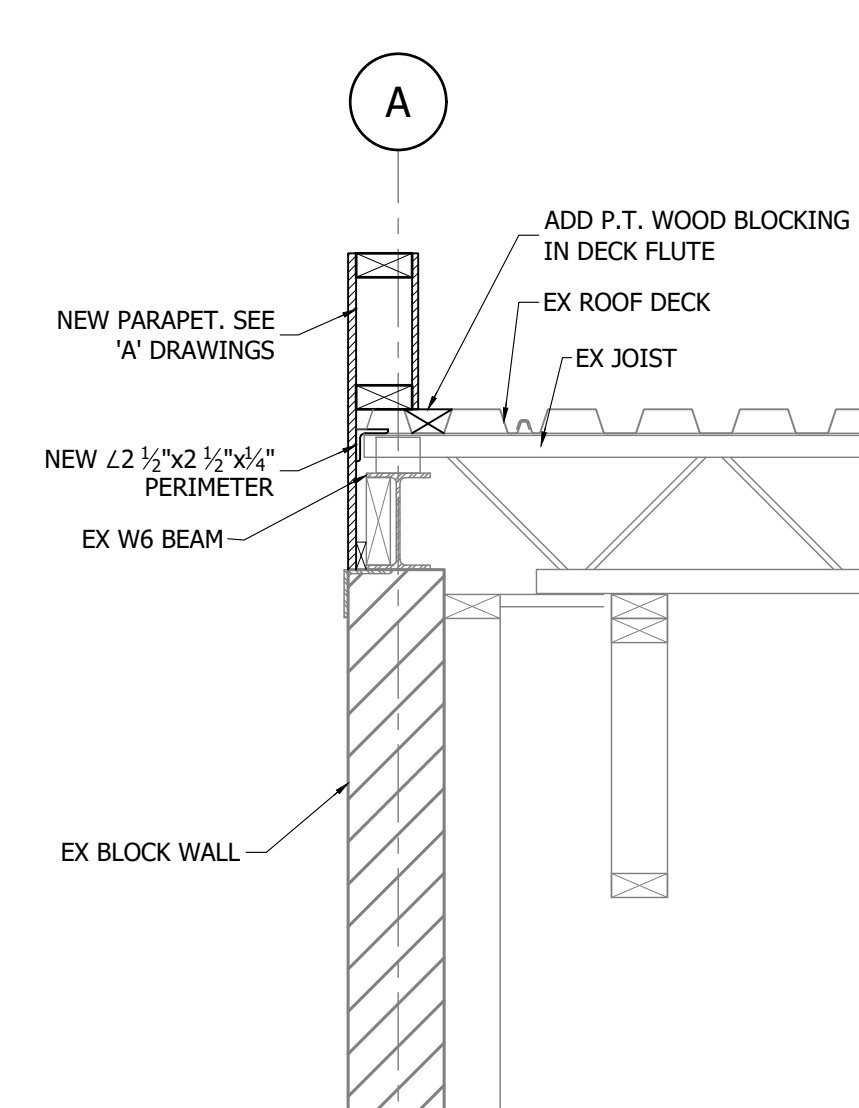
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S3.4 SCALE: 1"=1'-0"

A.1

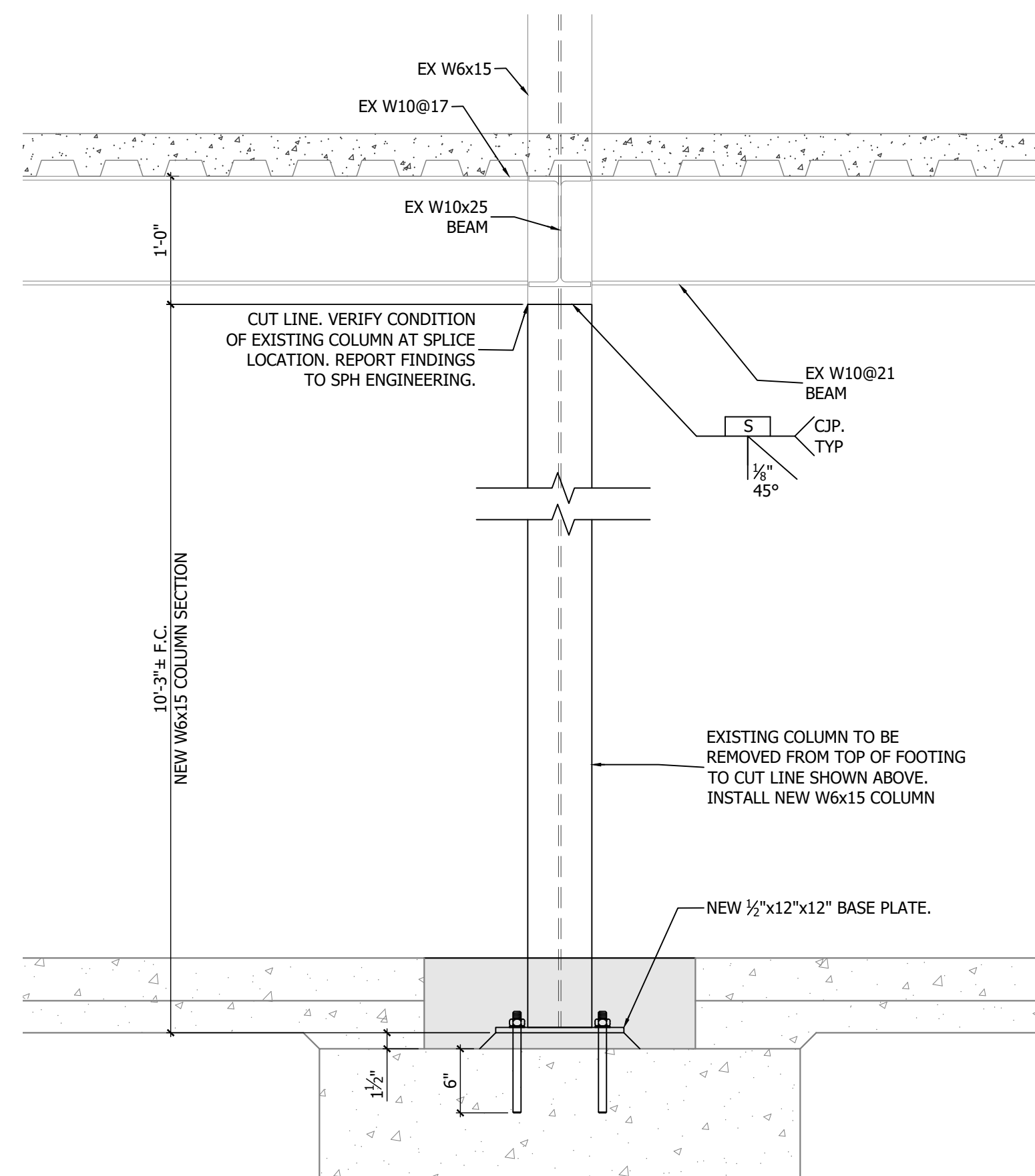


20 SECTION  
S3.4 SCALE: 3"=1'-0"

A



21 SECTION  
S3.4 SCALE: 1"=1'-0"



22 SECTION  
S1.1 SCALE: 1"=1'-0"

ISSUED FOR	
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<input type="checkbox"/> CONSTRUCTION	
DATE 2024-07-24	

REV.	BY	DESCRIPTION	DATE



CLIENT CITY OF WOODSTOCK  
ENGINEERING BLDG  
944 JAMES ST

PROJECT ADDITION  
AND  
RENOVATION

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CHECKED JH  
SCALE AS NOTED

PROJECT NUMBER 21367  
FILE NAME 21367MAIN16

SHEET SIZE 24x36  
DRAWING S3.4