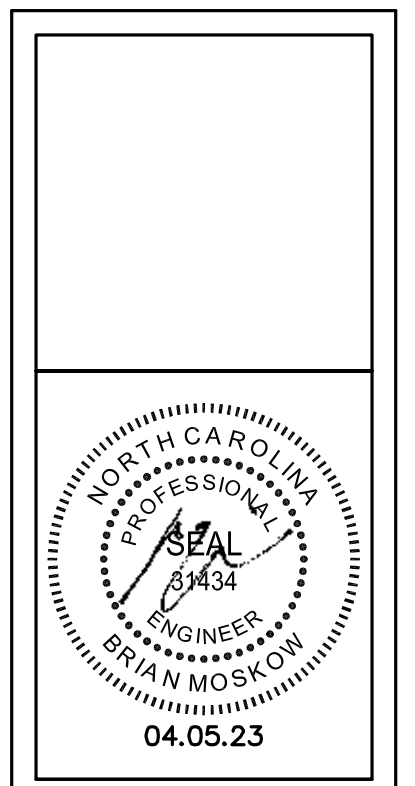


				<p>DESIGN CRITERIA</p> <p>1. BUILDING CODES a. NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION b. MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES, ASCE 7-10</p> <p>2. LIVE LOAD ROOF UNINHABITABLE ATTIC WITHOUT STORAGE 20 PSF FLOOR 10 PSF 40 PSF</p> <p>3. SOIL LOADS MINIMUM ALLOWABLE SOIL BEARING PRESSURE 2000 PSF (ASSUMED) UNIT WEIGHT OF SOIL 120 PCF (ASSUMED)</p> <p>4. SNOW LOAD GROUND SNOW LOAD, P_g 15 PSF</p> <p>5. WIND LOADS WIND SPEED, V (3 SECOND GUST) 117 MPH (ULTIMATE) RISK CATEGORY II EXPOSURE B</p>		<p>GENERAL CONSTRUCTION SPECIFICATION</p> <p>1. THE FOLLOWING DOCUMENTS ARE THE PROPERTY OF RED ENGINEERING & DESIGN, INC. FOR USE SOLELY FOR THIS PROJECT AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR OTHER PURPOSES WITHOUT WRITTEN PERMISSION FROM RED ENGINEERING & DESIGN, INC.</p> <p>2. NO OTHER PARTY MAY REVISE, ALTER, OR DELETE THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN PERMISSION FROM RED ENGINEERING & DESIGN, INC.</p> <p>3. THIS STRUCTURE IS ONLY STABLE IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY BRACING DURING CONSTRUCTION TO STABILIZE THE STRUCTURE. TEMPORARY SHORING AND BRACING METHODS ARE NOT THE RESPONSIBILITY OF RED ENGINEERING & DESIGN, INC. AND ARE BEYOND THE SCOPE OF THESE DRAWINGS.</p> <p>4. THE SER IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE. THE SER WILL NOT BE HELD RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CONFORM TO THE CONSTRUCTION DOCUMENTS, SHOULD ANY NON-CONFORMITIES OCCUR.</p> <p>5. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND CIVIL DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE SER. SHOULD ANY DISCREPANCIES BECOME APPARENT THE CONTRACTOR SHALL NOTIFY RED ENGINEERING & DESIGN, INC. BEFORE ANY CONSTRUCTION BEGINS.</p> <p>6. VERIFICATION OF ASSUMED FIELD CONDITIONS IS NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR SHALL VERIFY THE FIELD CONDITIONS FOR ACCURACY AND REPORT ANY DISCREPANCIES TO RED ENGINEERING & DESIGN, INC. BEFORE CONSTRUCTION BEGINS.</p> <p>7. THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY SECONDARY STRUCTURAL ELEMENTS OR NON-STRUCTURAL ELEMENTS, EXCEPT FOR THE ELEMENTS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.</p>		
X	NOT USED	SCALE: XXXX	NOT USED	SCALE: S001	DESIGN CRITERIA	SCALE: S001	GENERAL NOTES	SCALE:
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PROJECT: PLEASANT RESIDENCE
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GENERAL NOTES

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S001

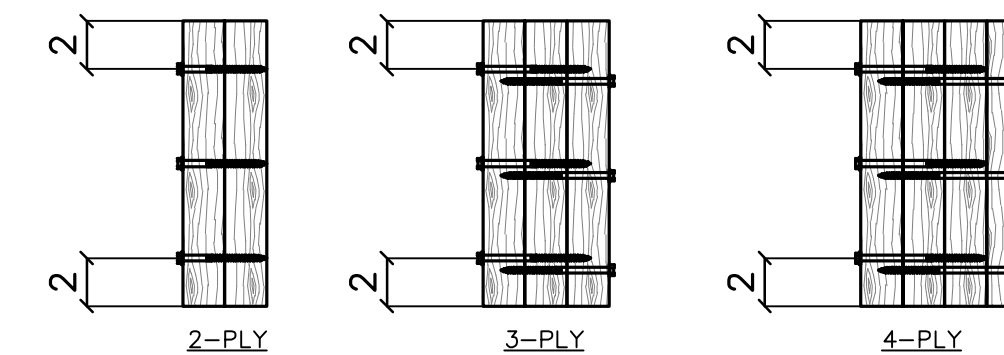
WOOD WALL OPENING SCHEDULE								
MARK	HEADER		KING STUDS		JACK STUDS		SILL	
	SIZE	MAX SPAN	SIZE	MAX HEIGHT	SIZE	MAX HEIGHT	SIZE	MAX SPAN
[WH1]	2 ~ 2 x 6	3'-0"	ONE ~ 2 x 4	8'-0"	ONE ~ 2 x 4	7'-6"	ONE ~ 2 x 4	3'-0"

NOTES:
 1.) ALL SOLID SAWN MEMBERS TO BE SPF (SOUTH) #2 OR BETTER.
 2.) ALL LVL MEMBERS SHALL HAVE MINIMUM REFERENCE VALUES OF Fb = 2600psi, Fv = 285 psi, Fc = 750 psi, E = 1,900,000 psi.
 3.) CONTRACTOR TO VERIFY SIZE AND DIMENSIONS OF ALL STRUCTURAL MEMBERS. CONTACT EOR IF DISCREPANCY IS DISCOVERED.
 4.) SEE SHEET S301 FOR ADDITIONAL REQUIREMENTS AND DETAILS.

WALL FOOTING SCHEDULE					
MARK	WIDTH	THICKNESS	REINFORCEMENT		NOTES
			BOTTOM	TOP	
WF1	2'-0"	12"	3 ~ #4 CONTINUOUS w/ #4 TIES @ 12" o.c.	N/A	1, 2, 3

NOTES:
 1.) SEE FOUNDATION PLAN FOR TOP OF FOOTING ELEVATIONS.
 2.) SPACE REINFORCING BARS EQUALLY THROUGHOUT FOOTING.
 3.) BOTTOM STEEL SHALL BE PLACED 3" CLEAR FROM THE BOTTOM OF THE FOOTING.

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MULTIPLE PLY HEADER ATTACHMENT SCHEDULE				
NUMBER OF PLIES	FASTENER			
	TYPE	# OF ROWS (NOTE 2)	o.c. SPACING	LOCATION (NOTE 1)
2	10d COMMON	3	12"	ONE SIDE
	16d COMMON	3	12"	ONE SIDE
	SDS 1" x 3 1/2"	3	12"	ONE SIDE
3	10d COMMON	3	12"	BOTH SIDES
	16d COMMON	3	12"	BOTH SIDES
	SDS 1" x 4 1/2"	3	12"	BOTH SIDES
4	SDS 1" x 6	3	12"	BOTH SIDES
	1" ø x 8" A307 THROUGH-BOLT	3	24"	ONE SIDE

NOTES:
 1.) WITH FASTENERS ON BOTH SIDES, STAGGER FASTENERS ON OPPOSITE SIDE OF HEADER BY ONE HALF OF THE REQUIRED SPACING.
 2.) AN ADDITIONAL ROW OR FASTENERS IS REQUIRED FOR HEADERS WITH DEPTHS OF 14" AND GREATER.
 3.) FASTENERS MUST PENETRATE A MINIMUM OF 1 1/2" INTO OUTERMOST PLY.

MASONRY BEARING/NON-LOAD BEARING WALL SCHEDULE					
MARK	MAXIMUM UNBAL FILL	NOMINAL WALL THICKNESS	REINFORCEMENT		NOTES
			VERTICAL	HORIZONTAL	
MW1	4'-0"	8"	N/A	9G6 LADDER WIRE @ EACH COURSE	1, 2, 3

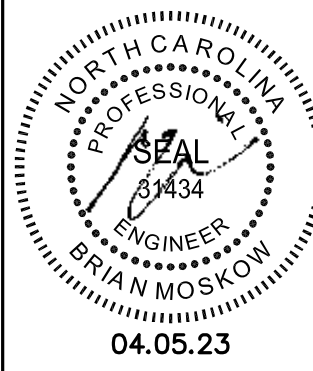
NOTES:
 1.) SEE PLANS FOR WALL LOCATIONS. WALL THICKNESS DOES NOT INCLUDE VENEER.
 2.) REFER TO TYPICAL DETAILS AND SPECIFICATIONS FOR REBAR PLACEMENT, EMBEDMENTS REQUIREMENTS, BOND BEAM LOCATIONS, ETC.
 3.) GROUT REINFORCED CELLS SOLID.

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WALL SCHEDULE				
MARK	STUD SIZE	SPACING	BRIDGING/BLOCKING	NOTES
[W1]	2 x 4	16" o.c.	N/A	1

NOTES:
 1.) WALL SHEATHING TO BE 5/8" OSB APA RATED 24/16 - EXPOSURE 1. SEE SECTION 4/S301 FOR ATTACHMENT.

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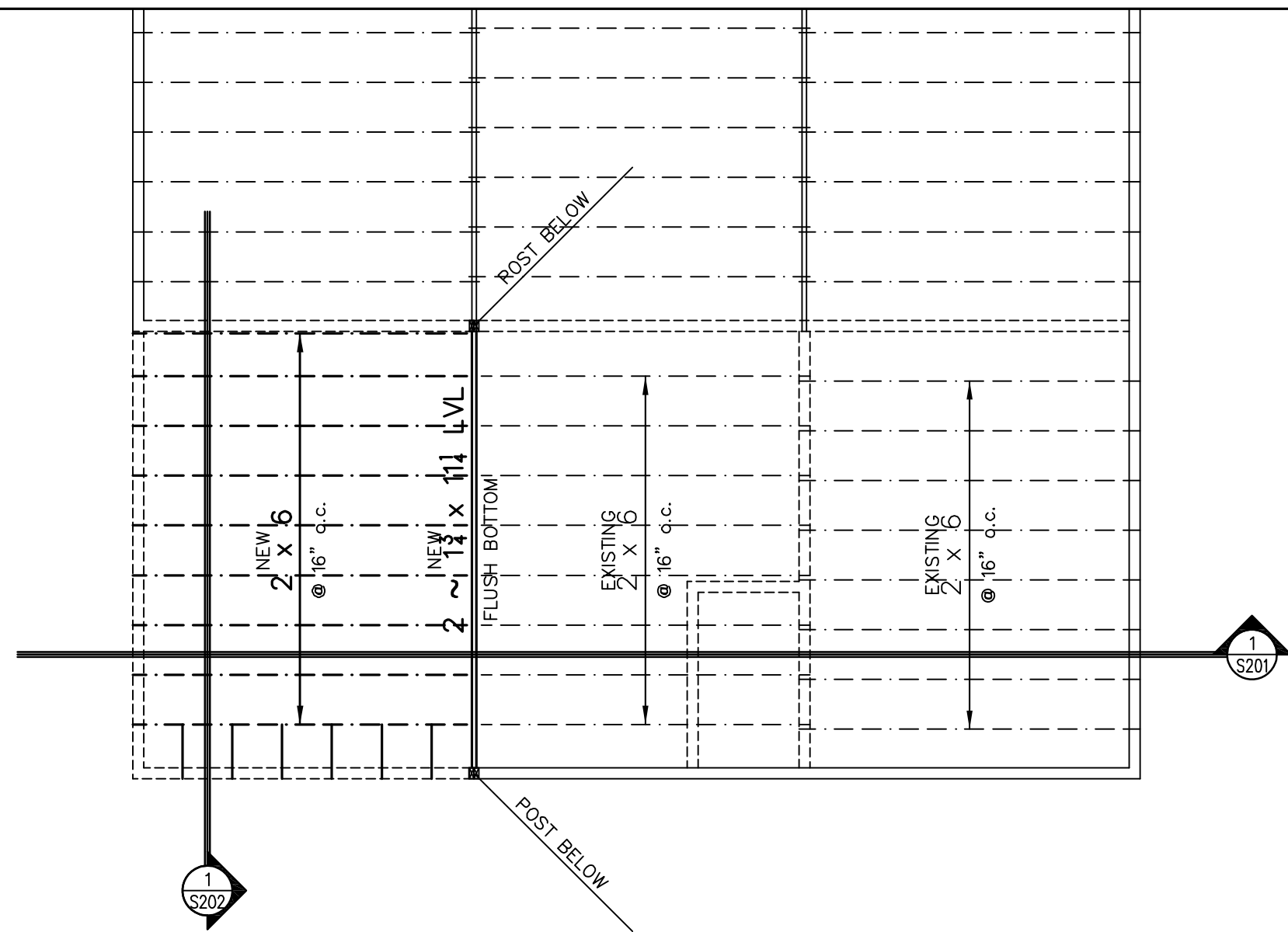
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SCHEDULE

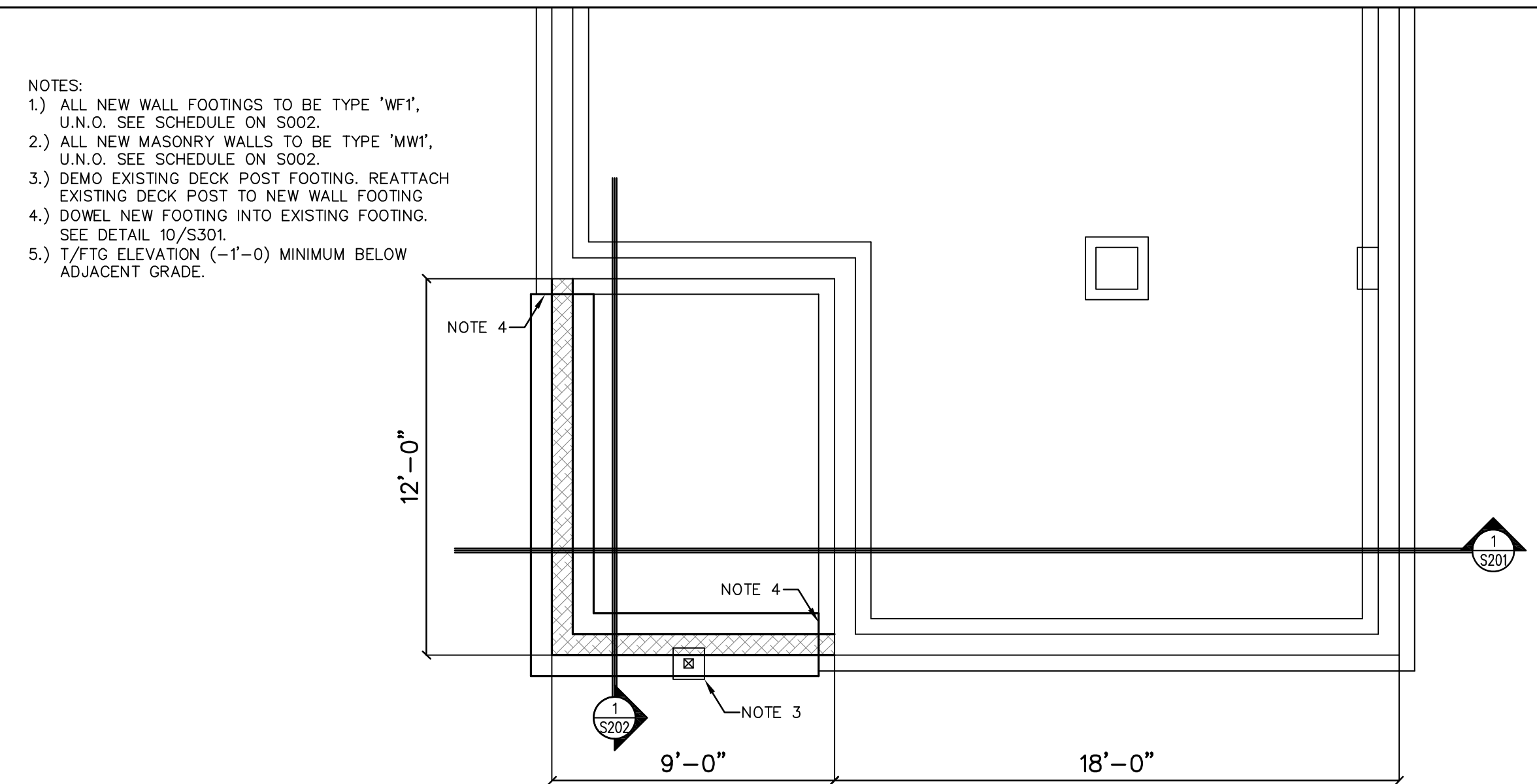
Project #: 23-E036
 Date: 04.05.23
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S002



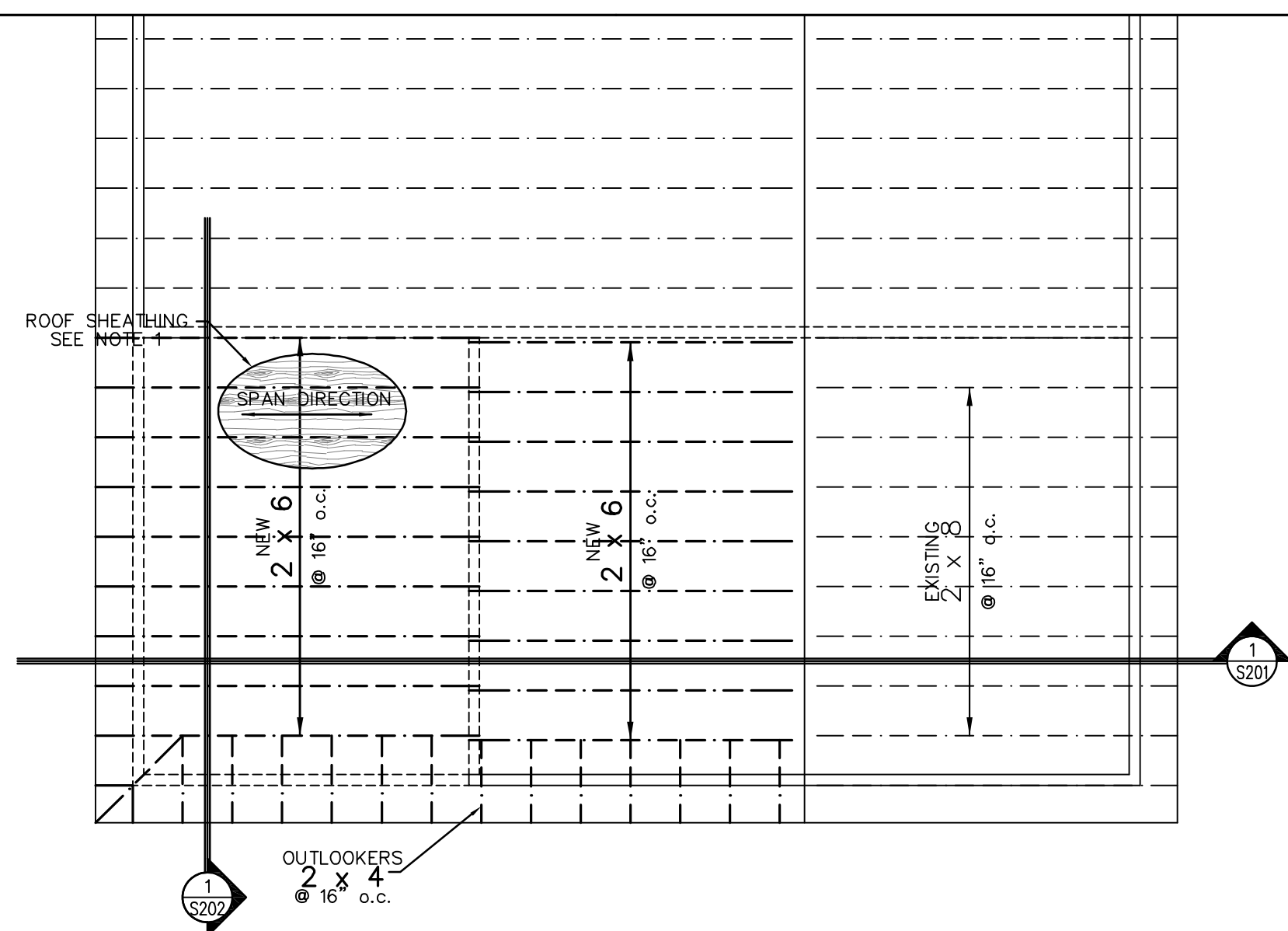
4 S101 CEILING FRAMING PLAN SCALE: 1/4" = 1'-0"



1 S101 FOUNDATION PLAN SCALE: 1/4" = 1'-0"

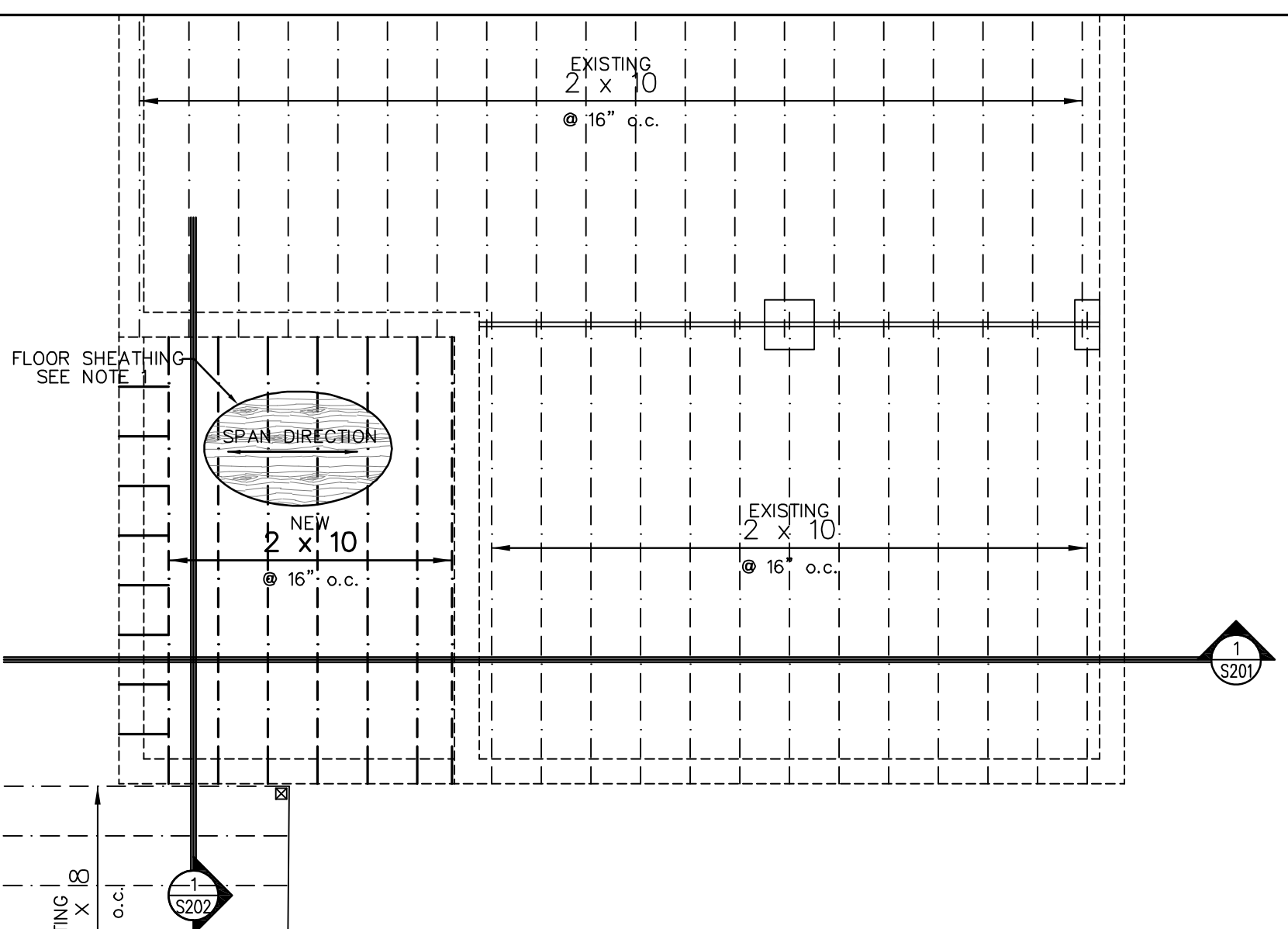
- NOTES:
- 1.) ALL NEW WALL FOOTINGS TO BE TYPE 'WFI', U.N.O. SEE SCHEDULE ON S002.
 - 2.) ALL NEW MASONRY WALLS TO BE TYPE 'MWI', U.N.O. SEE SCHEDULE ON S002.
 - 3.) DEMO EXISTING DECK POST FOOTING. REATTACH EXISTING DECK POST TO NEW WALL FOOTING.
 - 4.) DOWEL NEW FOOTING INTO EXISTING FOOTING. SEE DETAIL 10/S301.
 - 5.) T/FTG ELEVATION (-1'-0") MINIMUM BELOW ADJACENT GRADE.

- NOTES:
- 1.) ROOF SHEATHING TO BE 3/4" OSB APA RATED 24/16 - EXPOSURE 1, BLOCKED EDGES NOT REQUIRED. SEE SECTION 4/S301 FOR ATTACHMENT.



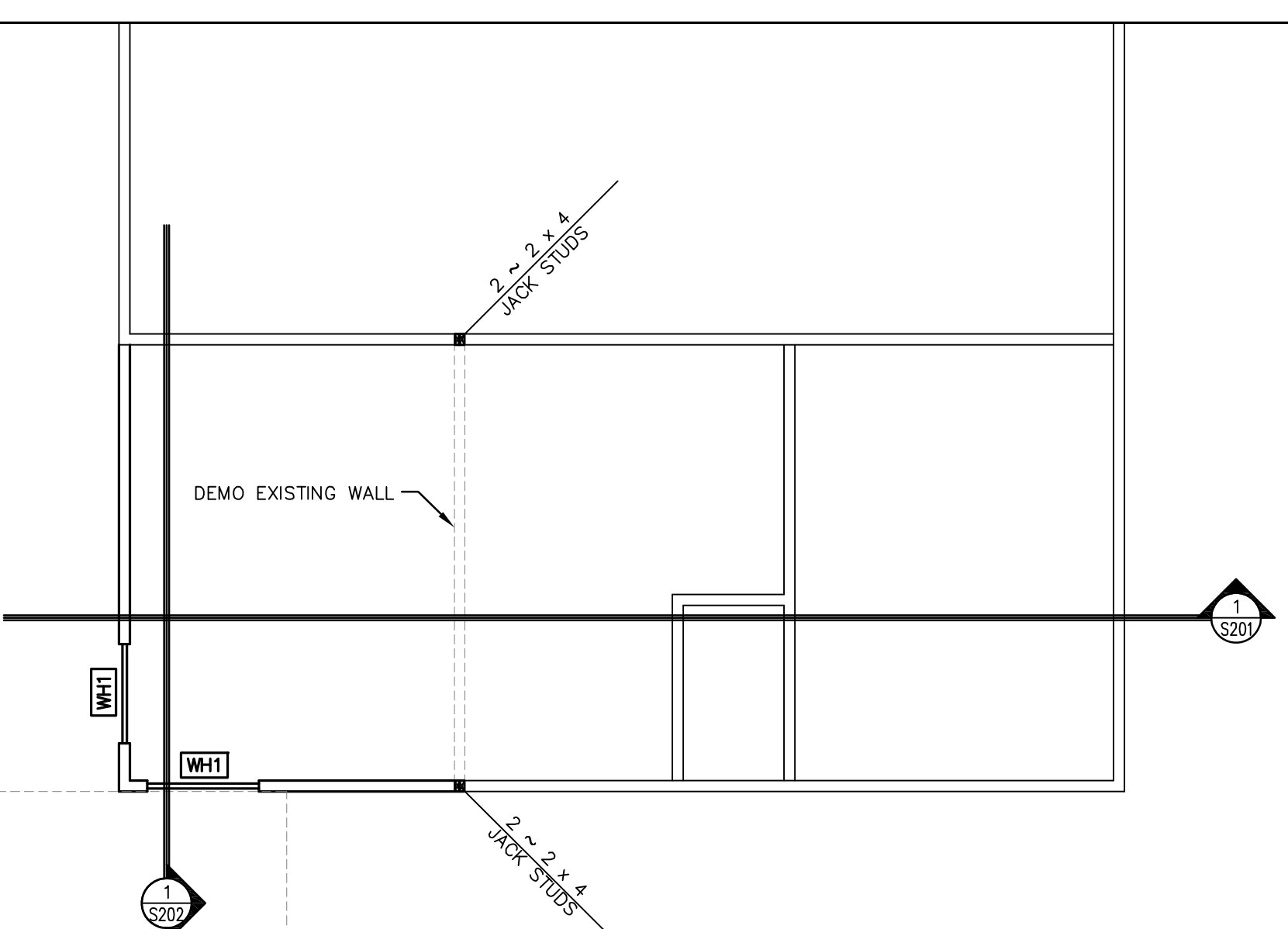
5 S101 ROOF FRAMING PLAN SCALE: 1/4" = 1'-0"

- NOTES:
- 1.) FLOOR SHEATHING TO BE 3/4" APA RATED 48/24. BLOCKED EDGES NOT REQUIRED. SEE DETAIL 4/S301 FOR ATTACHMENT.



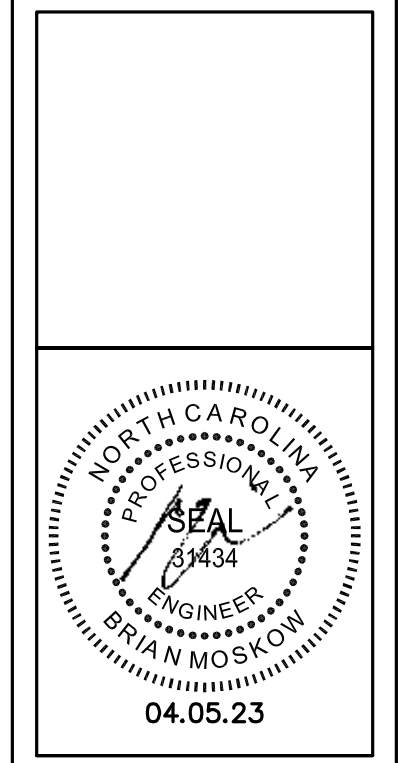
2 S101 FLOOR FRAMING PLAN SCALE: 1/4" = 1'-0"

- NOTES:
- 1.) ALL NEW WALLS TO BE TYPE 'WI', U.N.O. SEE SCHEDULE ON S002.
 - 2.) 'WH1' DENOTES NEW HEADER TYPE. SEE SCHEDULE ON S002.



3 S101 WALL FRAMING PLAN SCALE: 1/4" = 1'-0"

X SXXX NOT USED SCALE: X SXXX NOT USED



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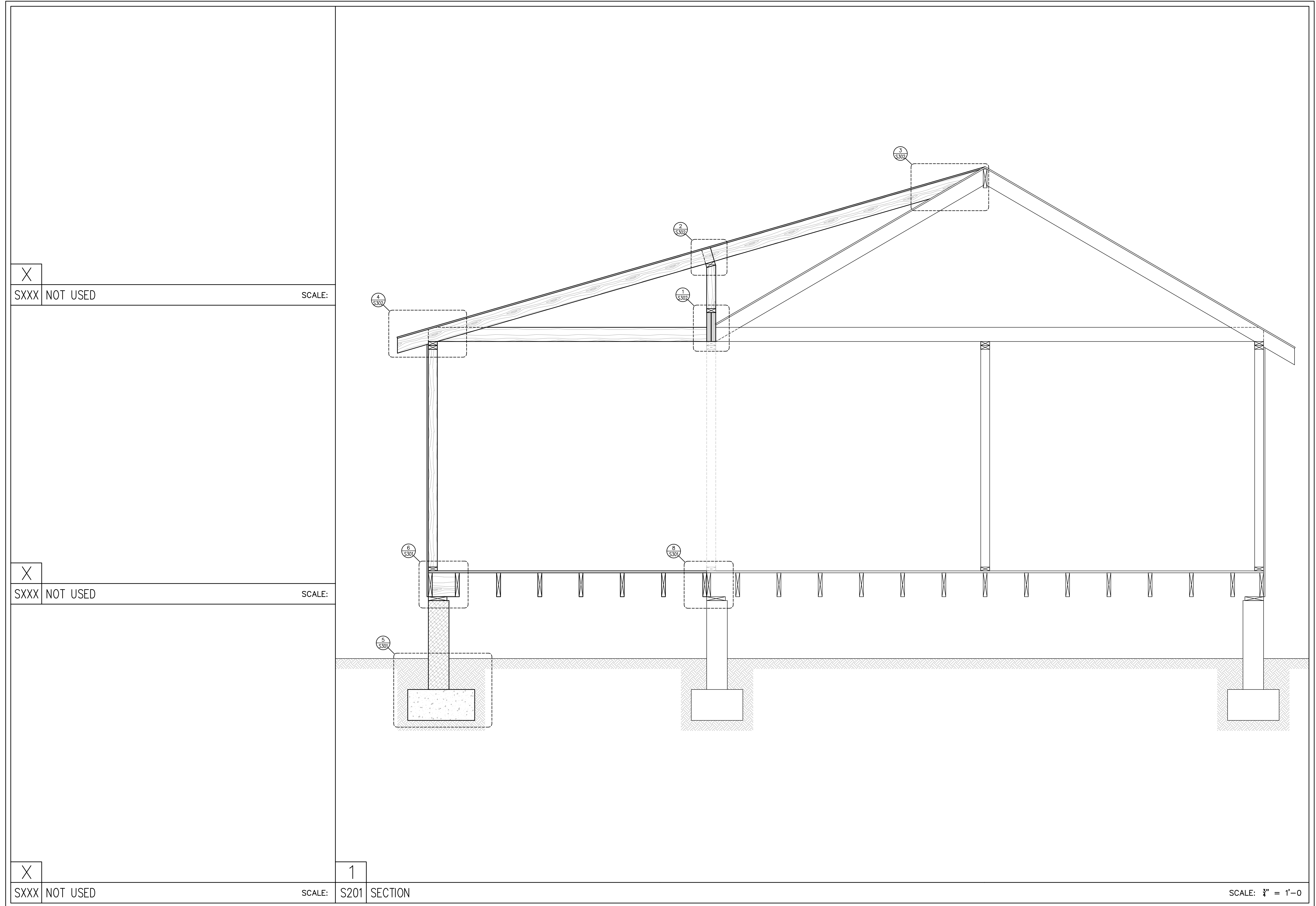
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PLANS

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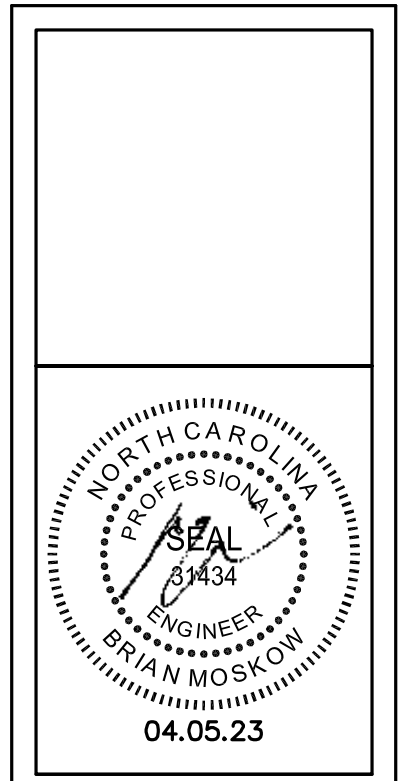
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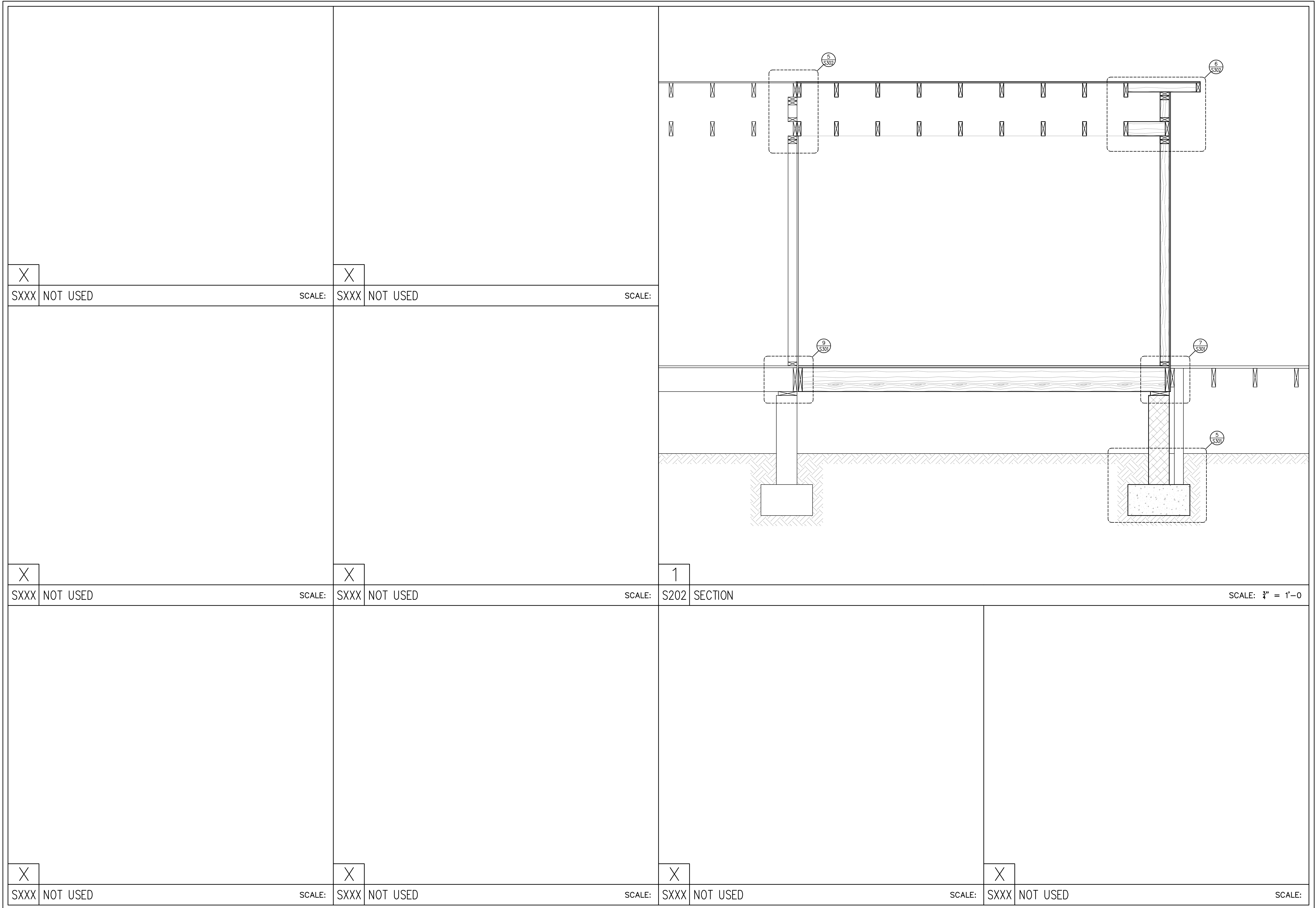
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SCALE: 3/4" = 1'-0"

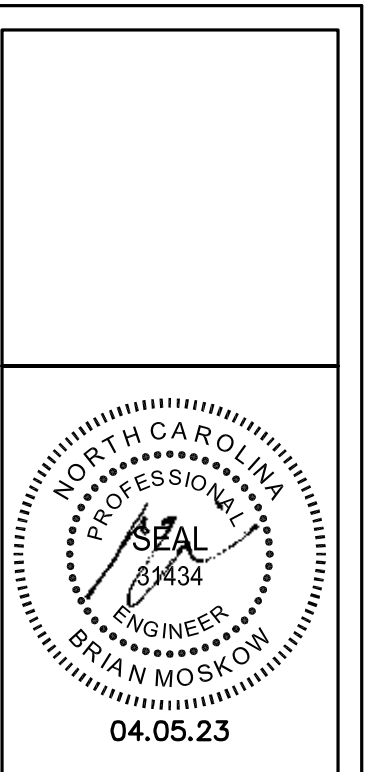


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1	SECTION	SCALE:	3/4" = 1'-0"		
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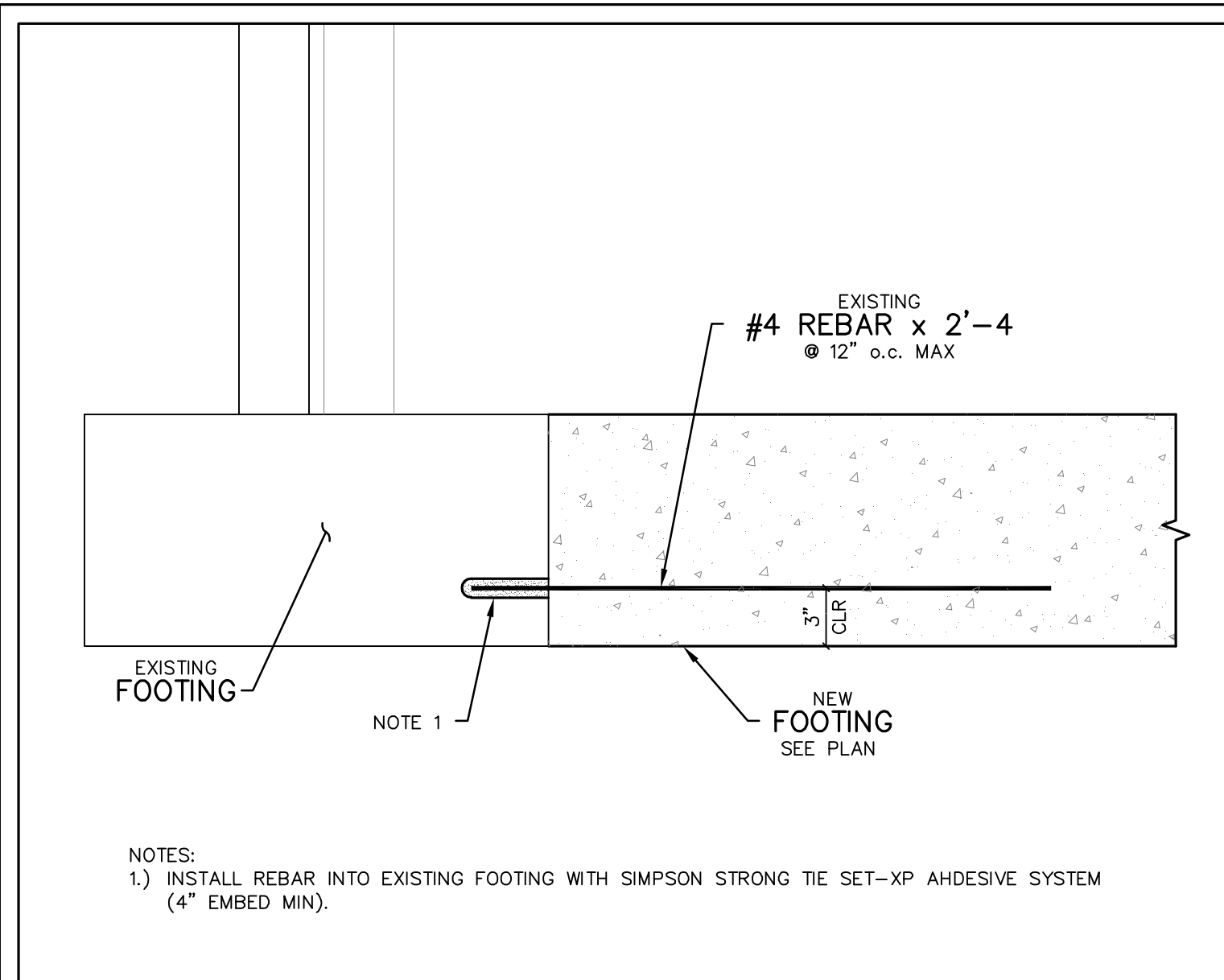
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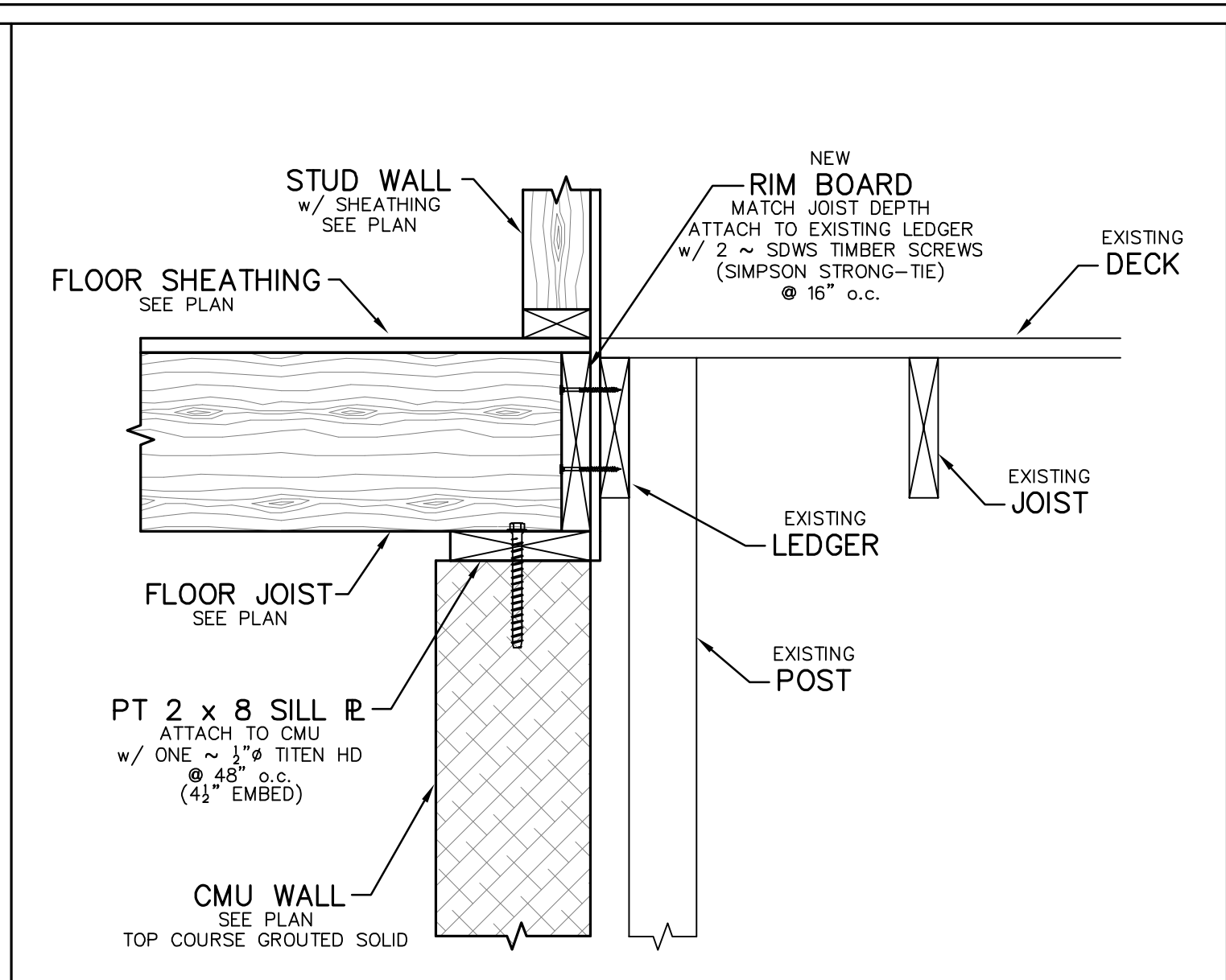
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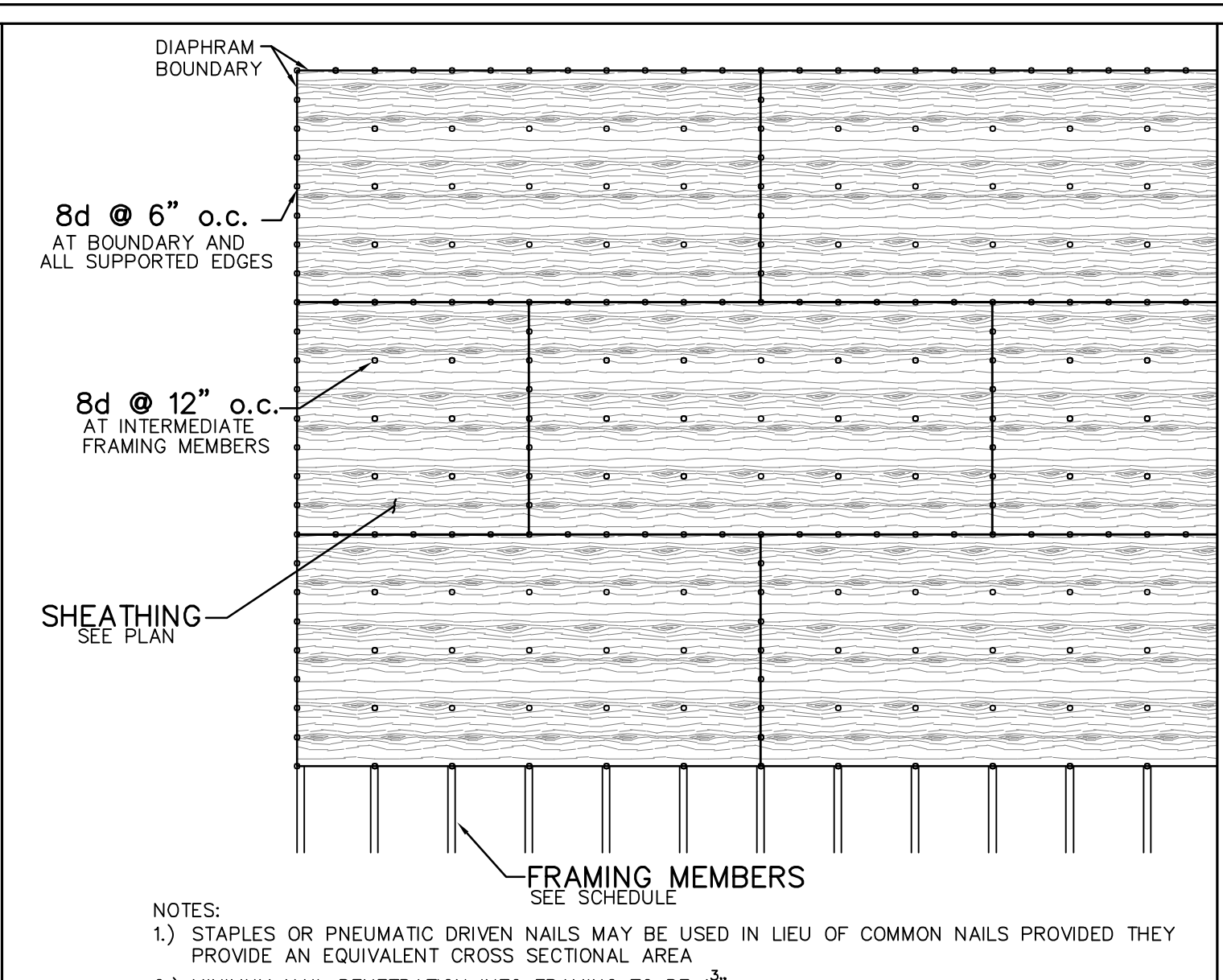
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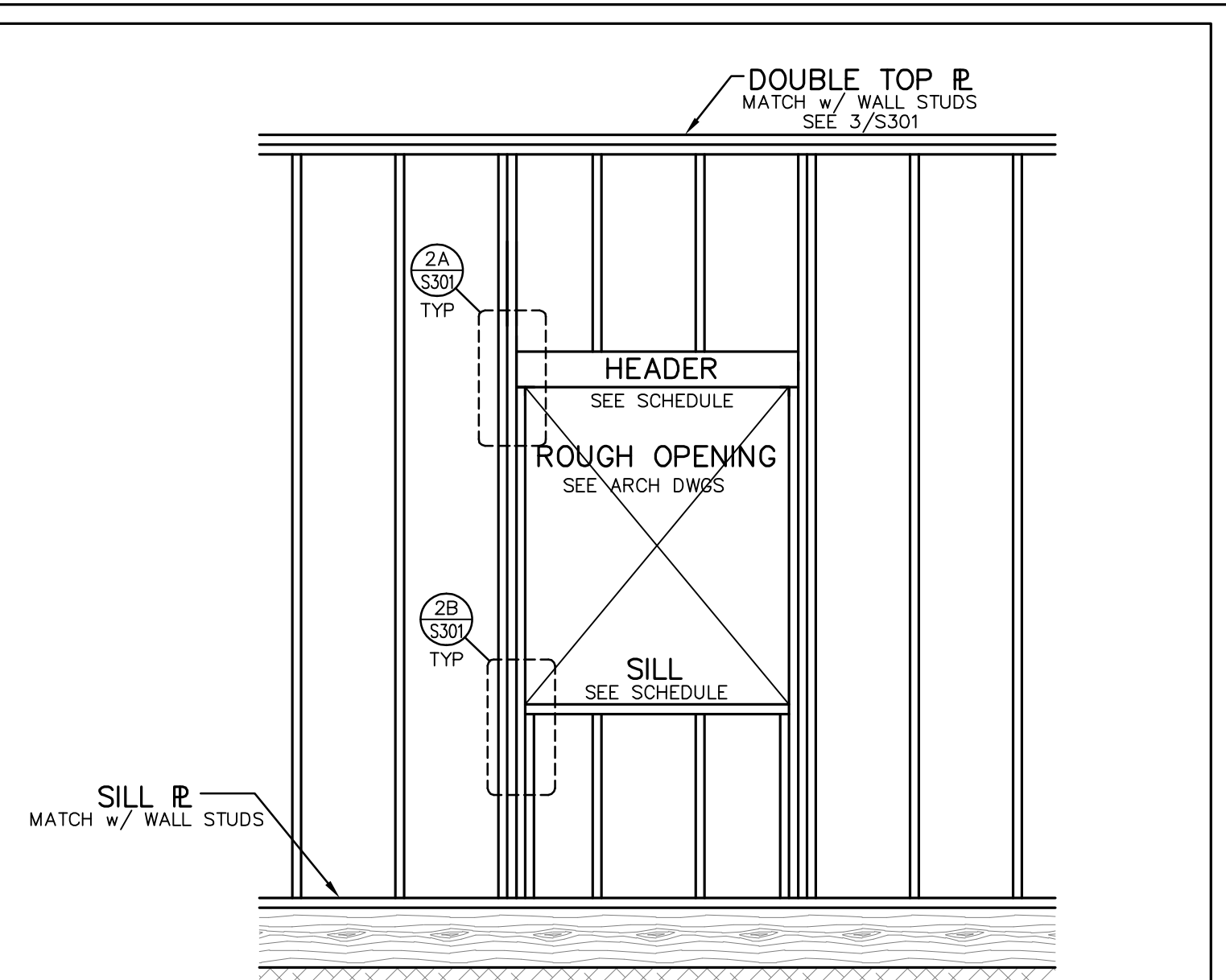
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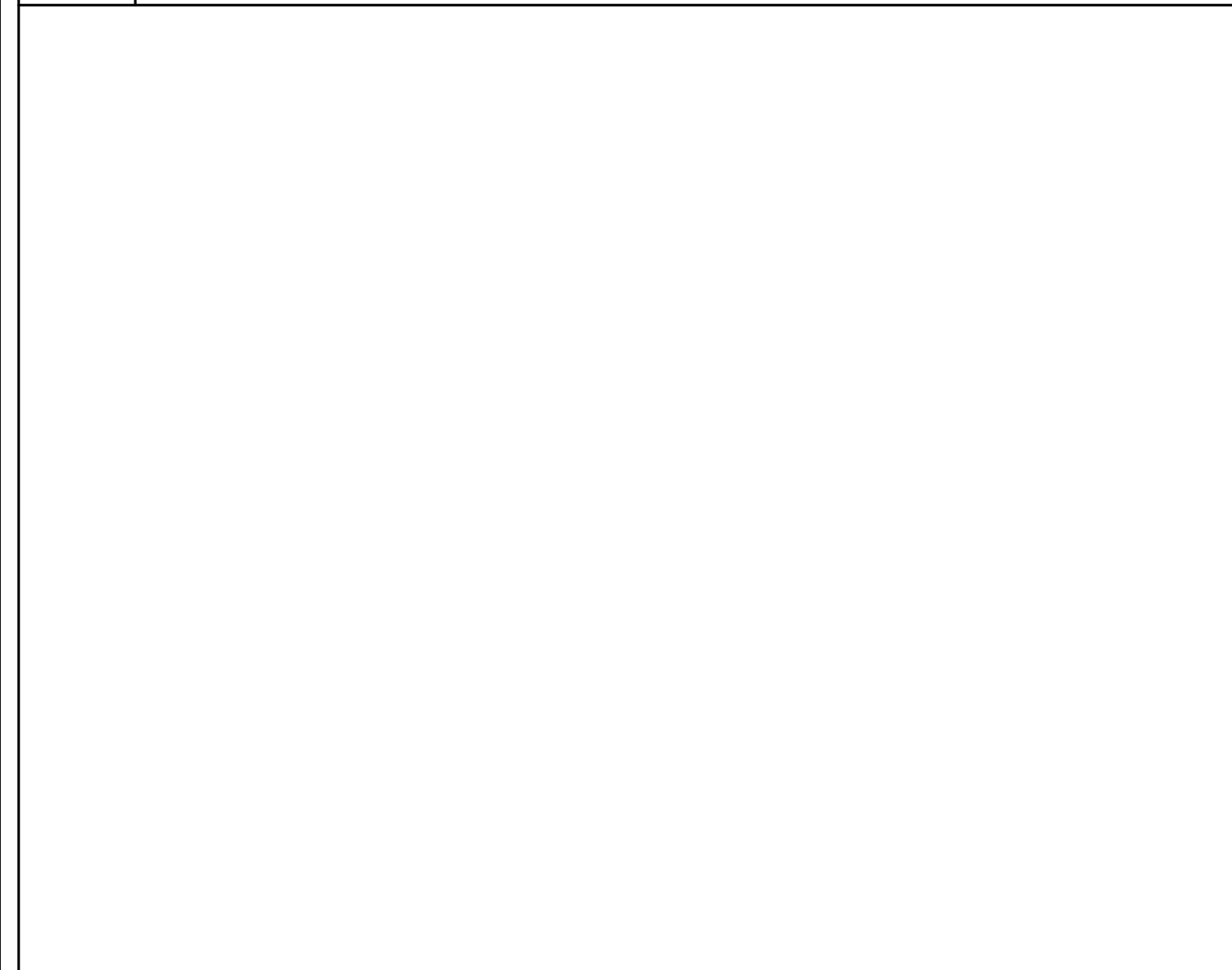
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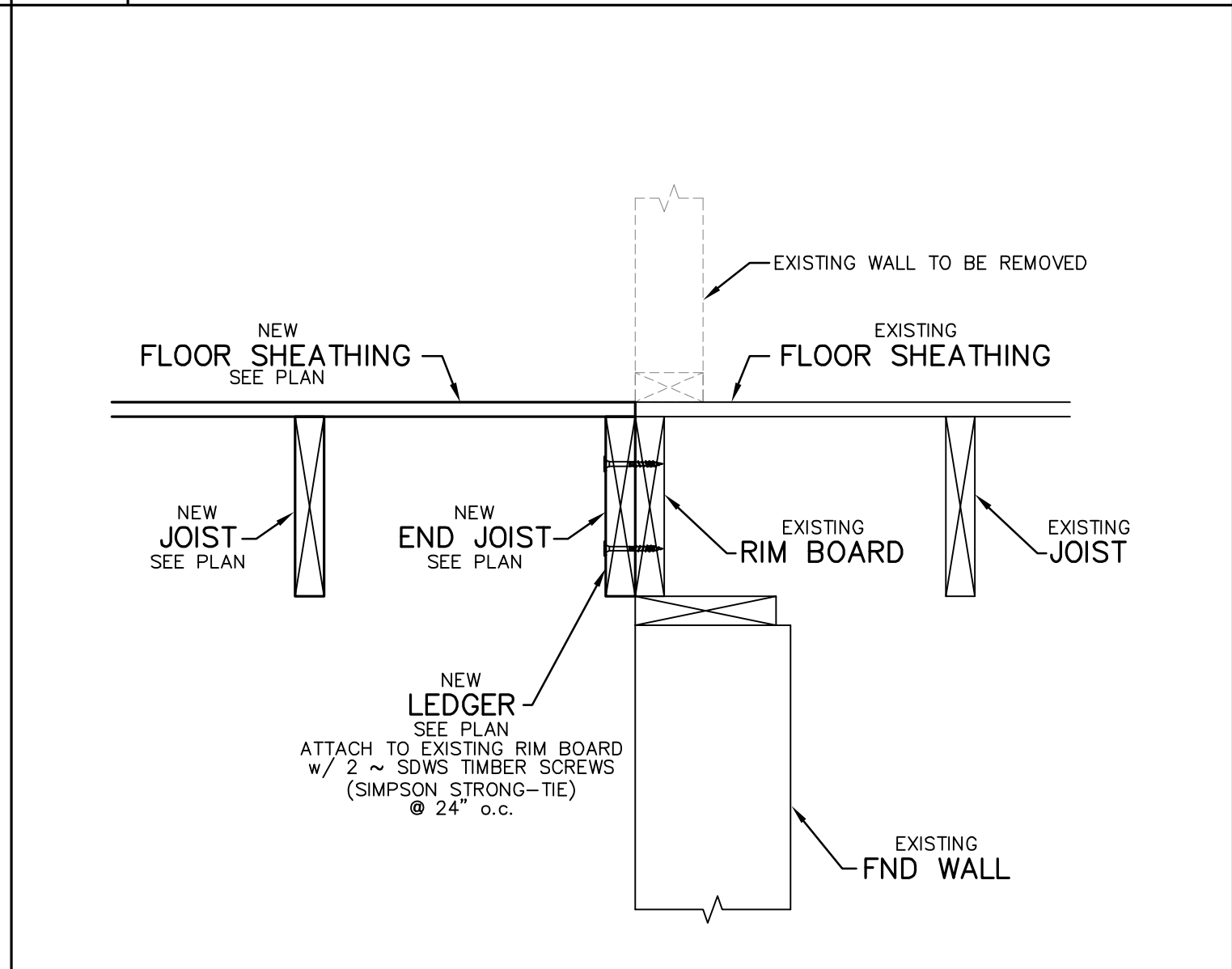
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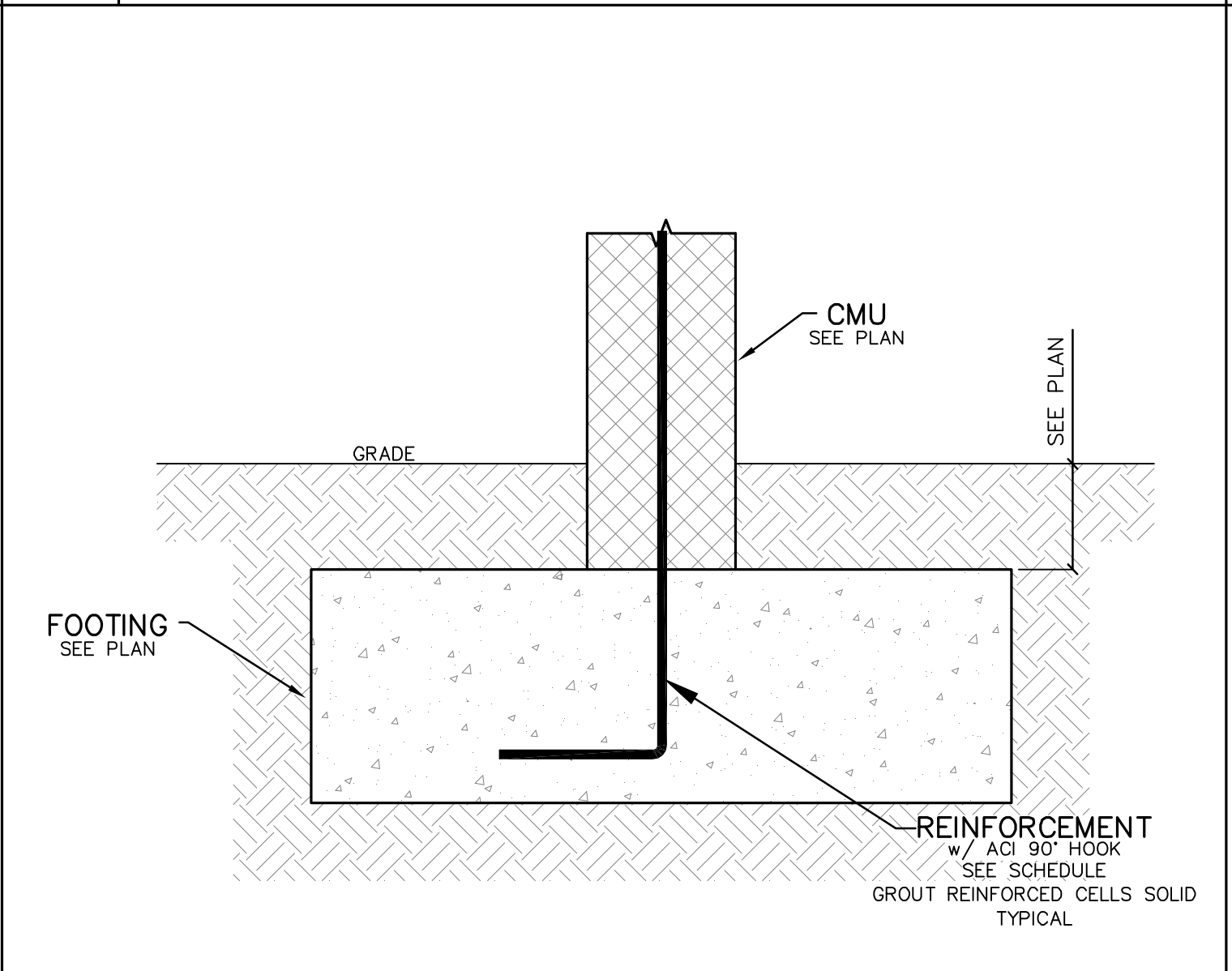
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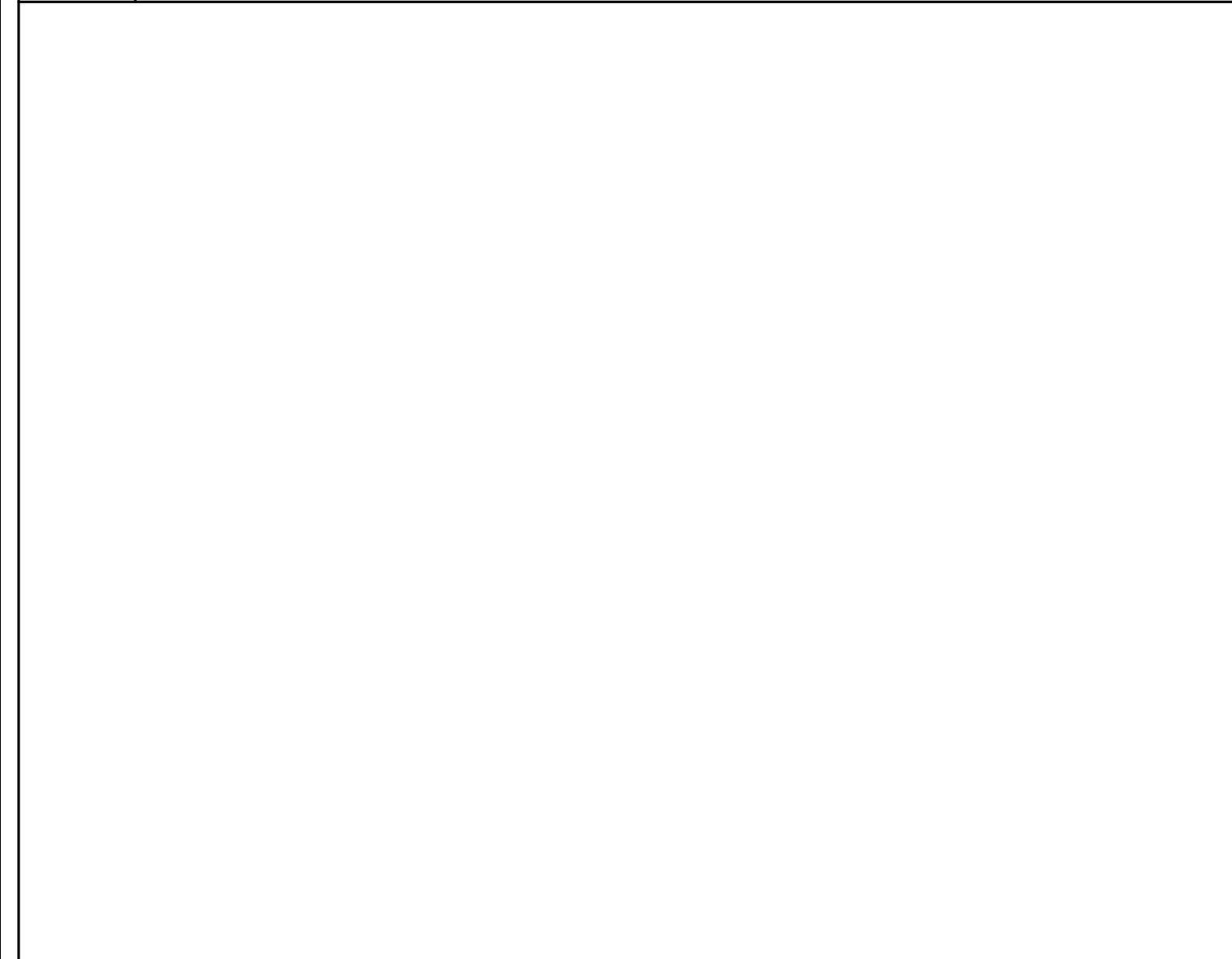
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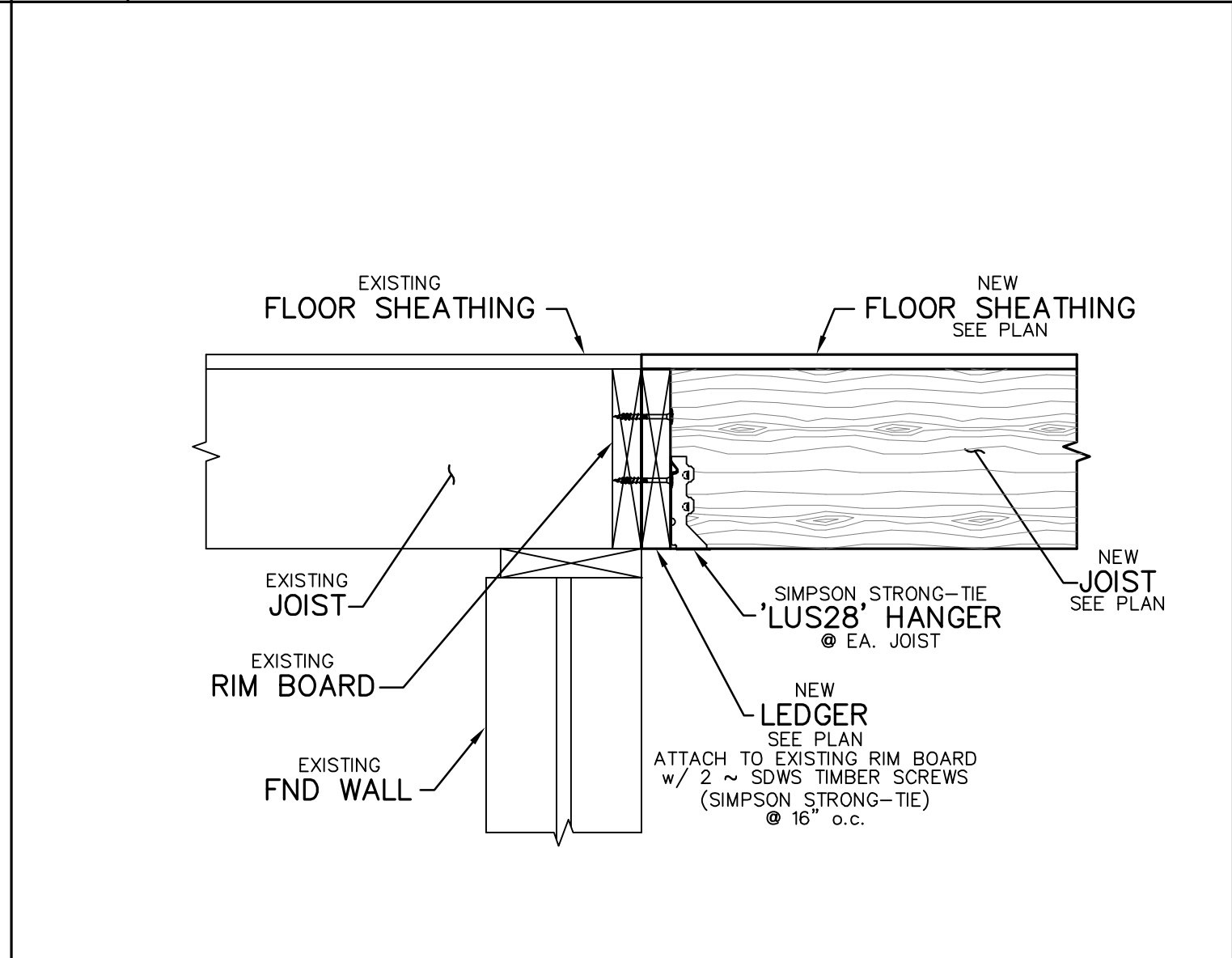
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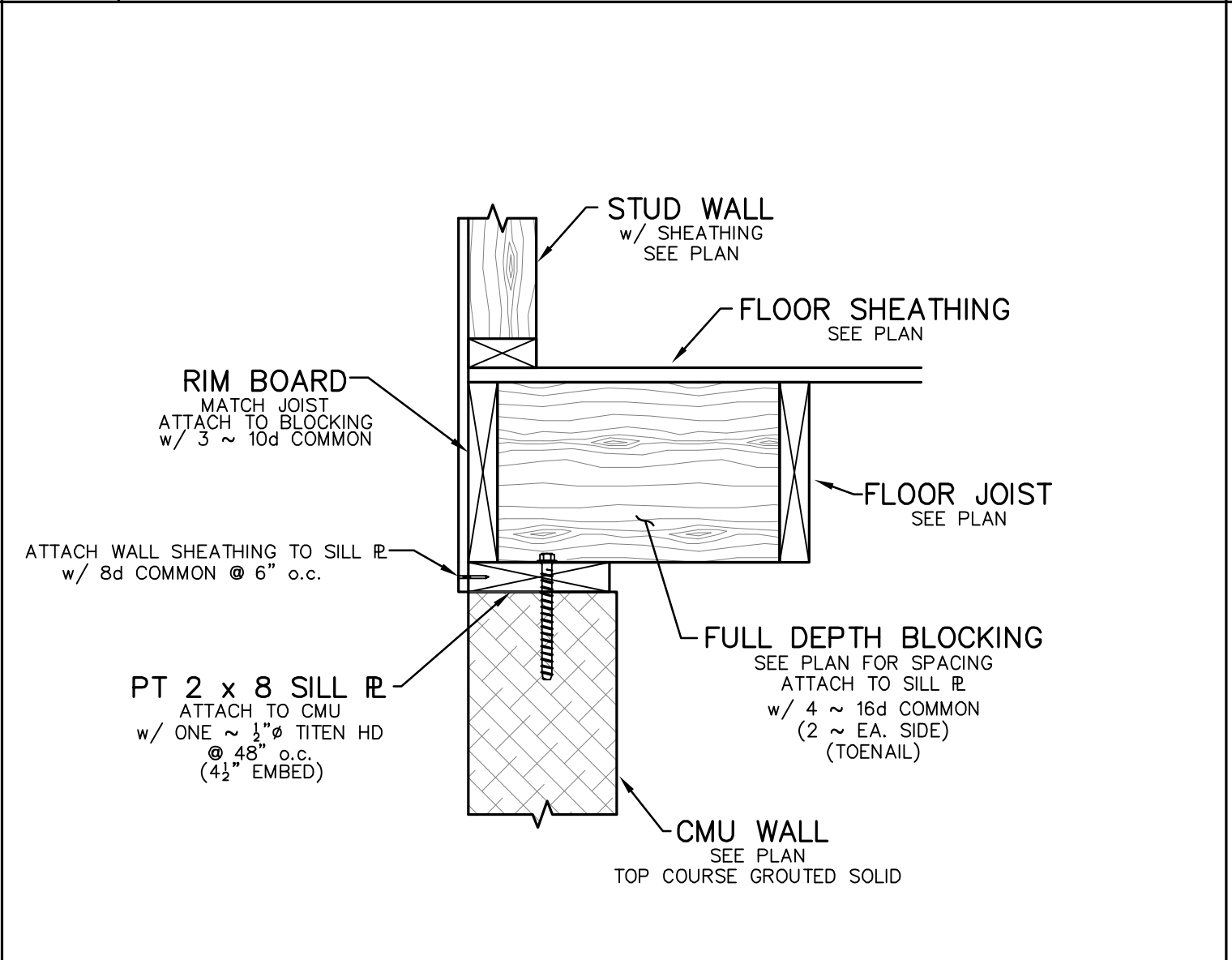
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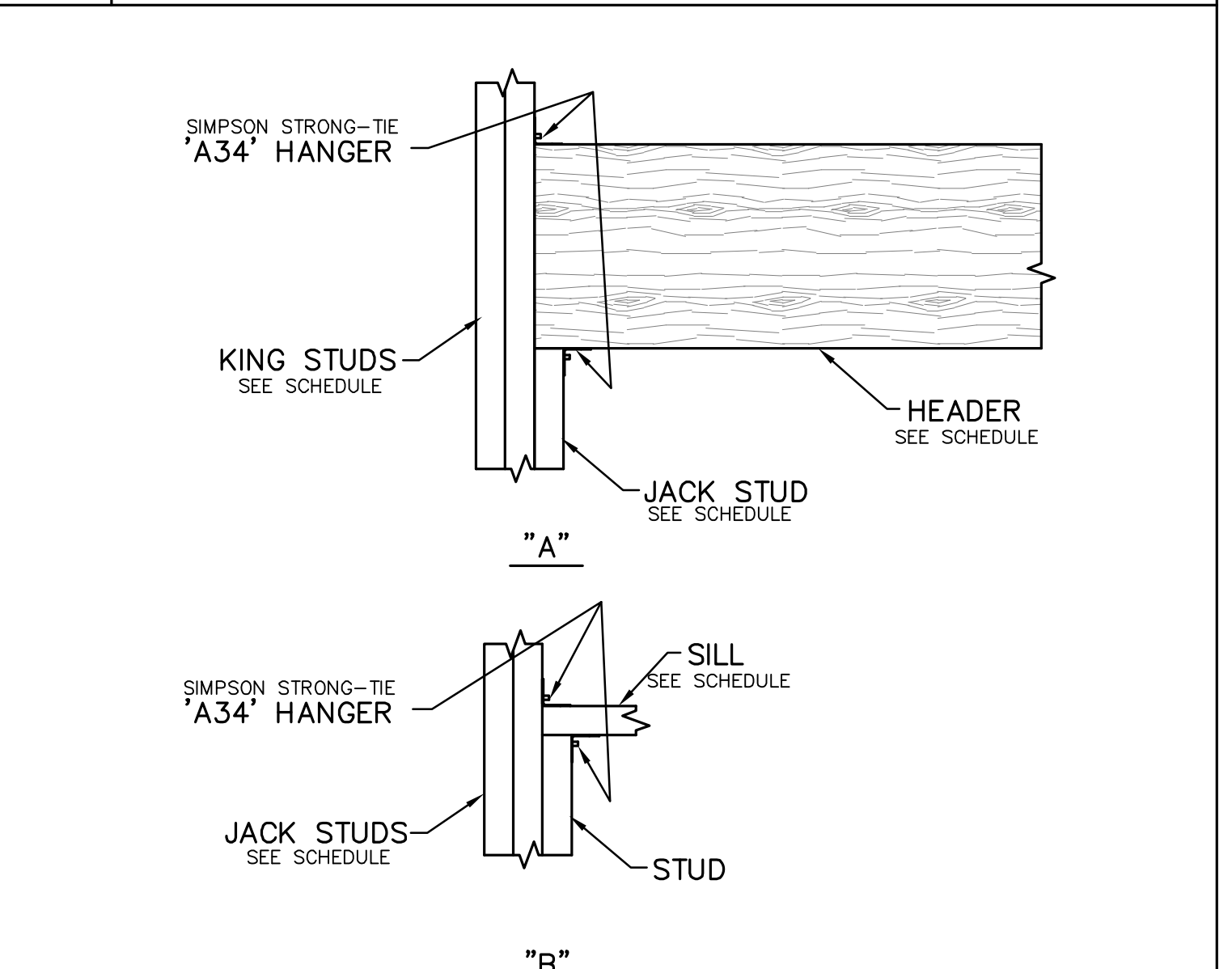
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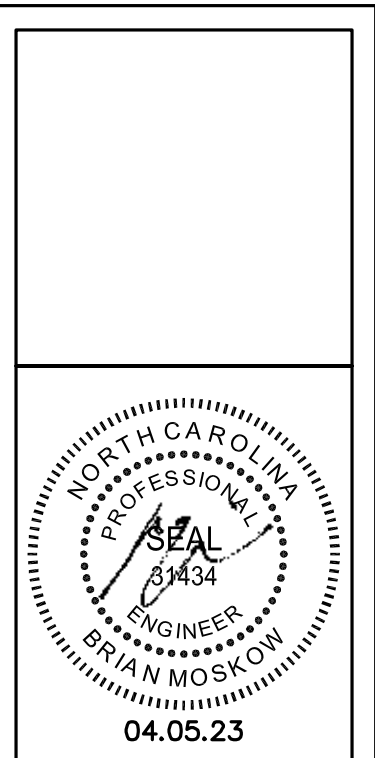
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3
S301 DETAIL SCALE: 3/4" = 1'-0"



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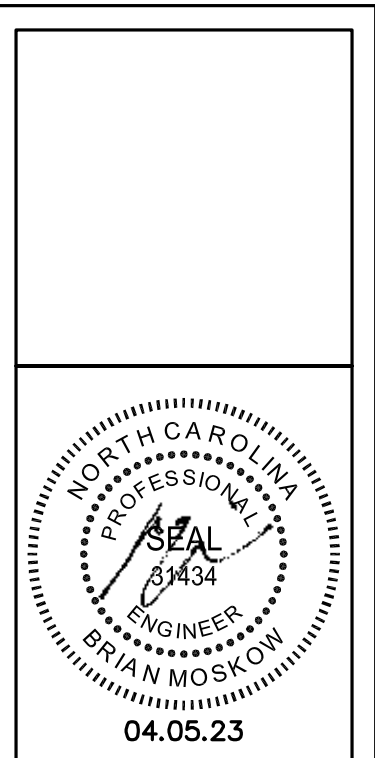
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