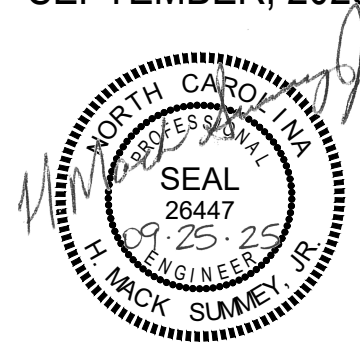


STRUCTURAL PLANS
FOR
JAMIE PETREE
CALDERON CARPORTS AND METAL BUILDINGS, INC
24' X 45' X 10' METAL BUILDING

407 PINE WOOD RD
HARNETT COUNTY - SANFORD TOWNSHIP - NORTH CAROLINA

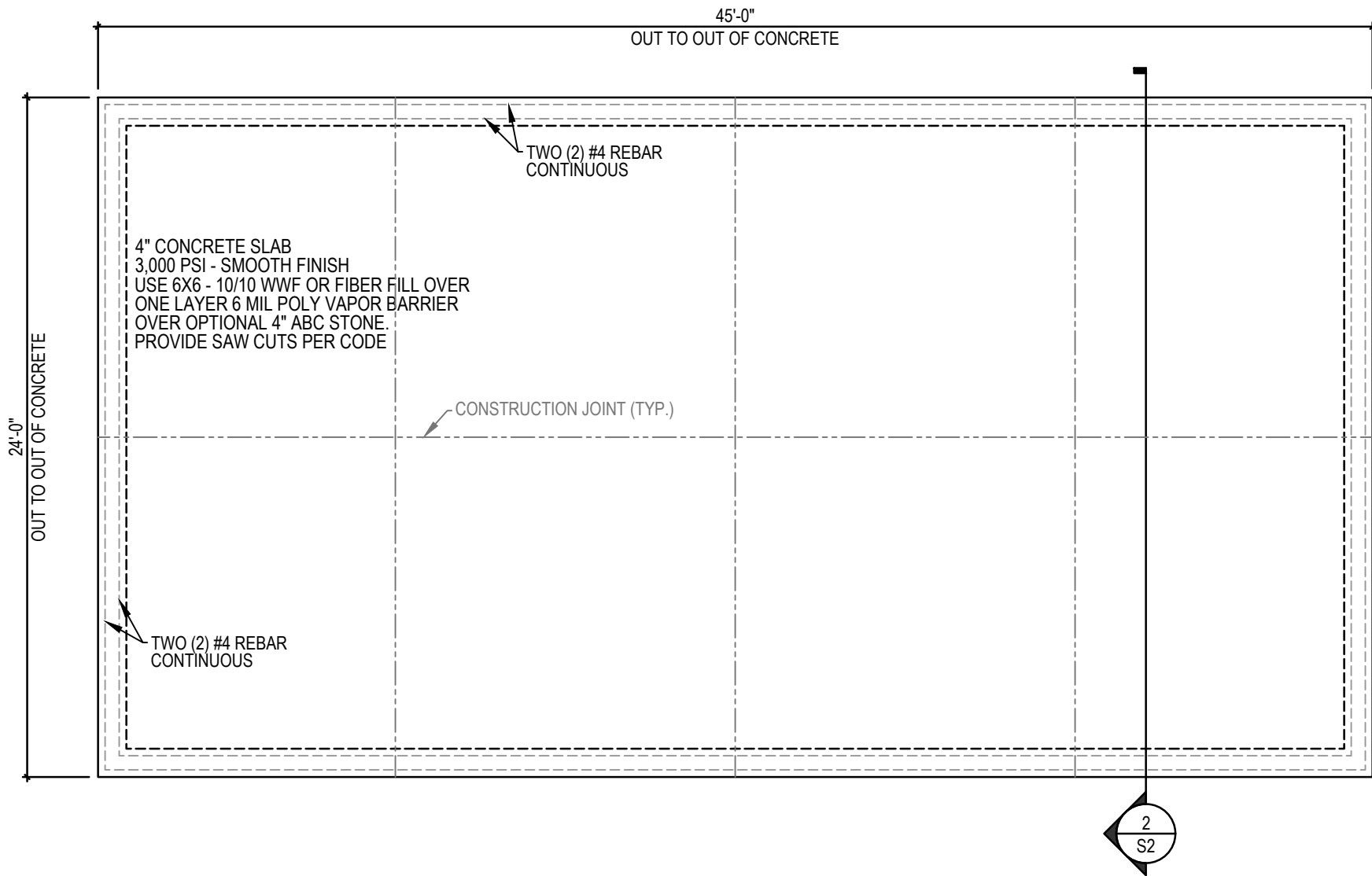
PROJECT NO.: E-10445
SEPTEMBER, 2025



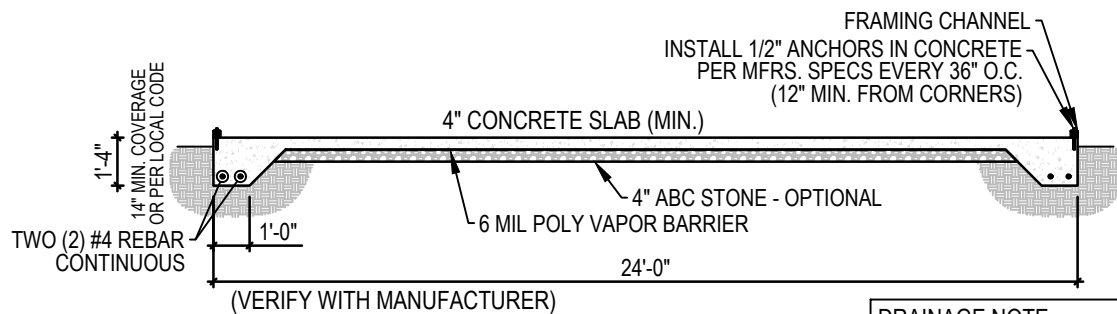
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Engineering - Consulting - Surveying
PO Box 968, Asheboro, NC 27204
Ph: 336-328-0902 Fx: 336-328-0922
www.summeyengineering.com

CALDERON CARPORTS AND METAL BUILDINGS, INC
910 E. DIXIE DR
ASHEBORO, NC 27203

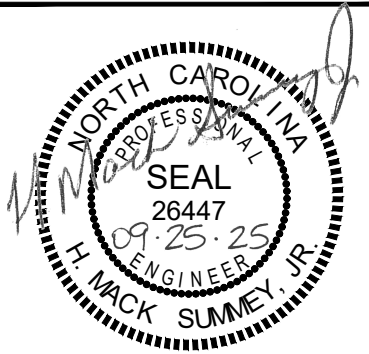
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1 PLAN VIEW CONCRETE SLAB
SCALE: 3/16" = 1'-0"



2 SECTION VIEW CONCRETE SLAB
SCALE: 3/16" = 1'-0"



FOUNDATION LAYOUT
JAMIE PETREE

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Scale: AS NOTED

Date: SEPTEMBER, 2025

Drawn By: MJC

Checked By: HMSJ

Job No.: E-10445

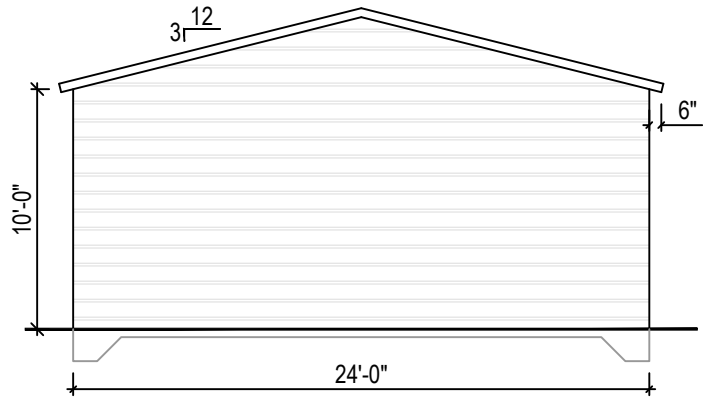
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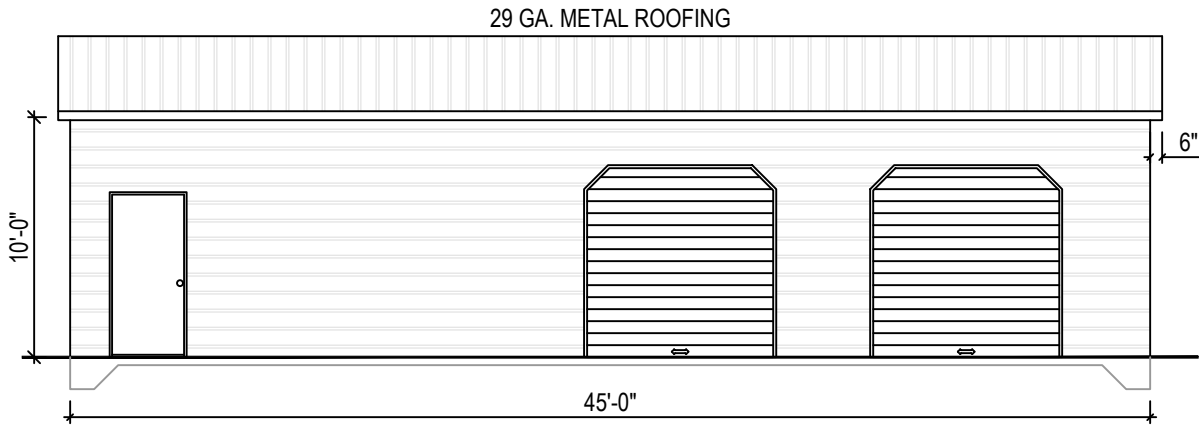
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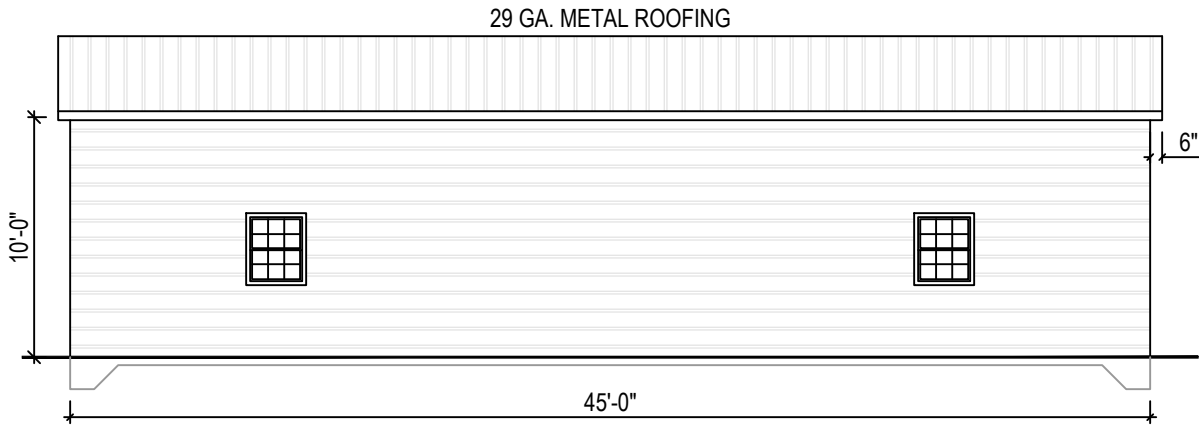
1 FRONT ELEVATION
SCALE: 1/8" = 1'-0"



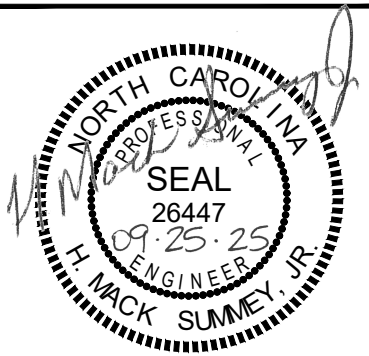
2 RIGHT ELEVATION
SCALE: 1/8" = 1'-0"



3 REAR ELEVATION
SCALE: 1/8" = 1'-0"



4 LEFT ELEVATION
SCALE: 1/8" = 1'-0"



ELEVATIONS
JAMIE PETREE

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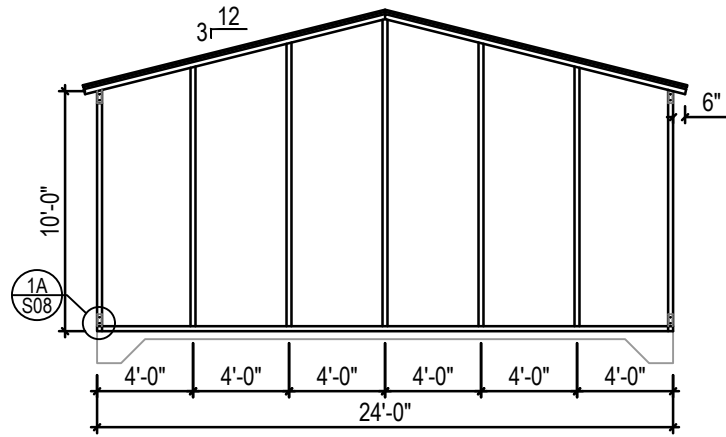
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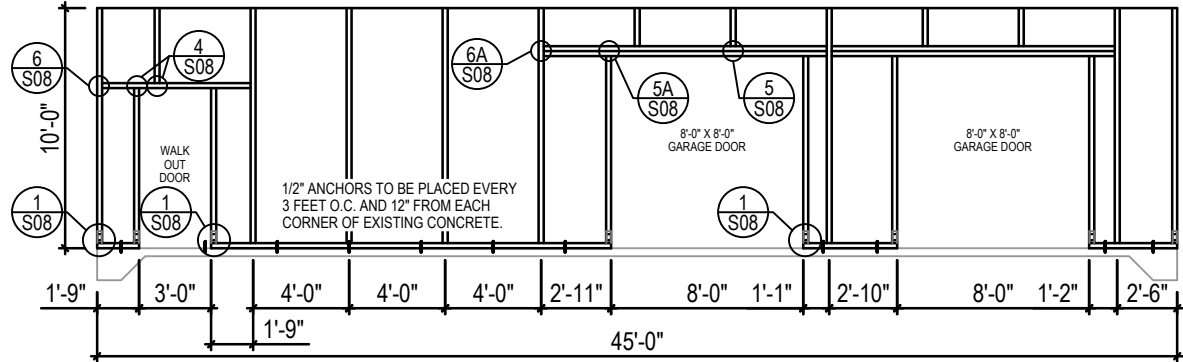
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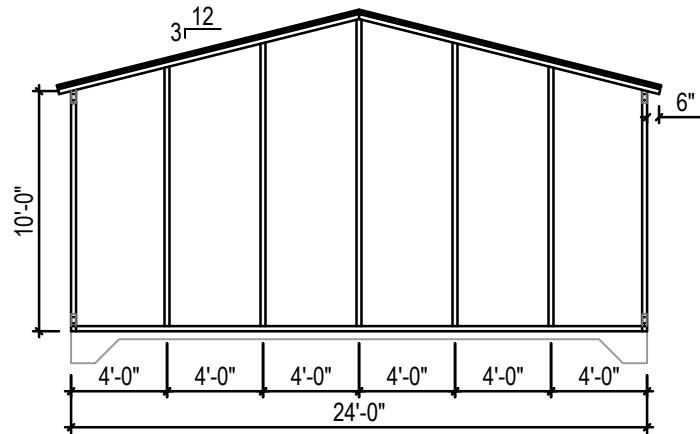
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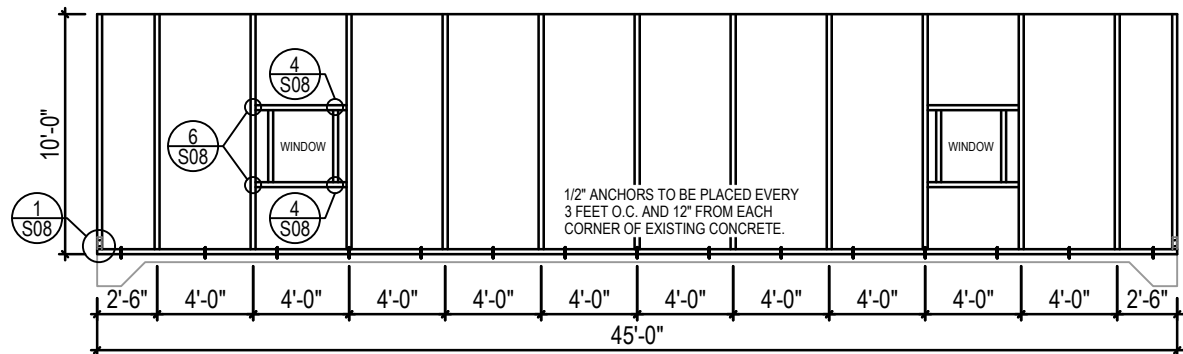
1 FRONT WALL
SCALE: 1/8" = 1'-0"



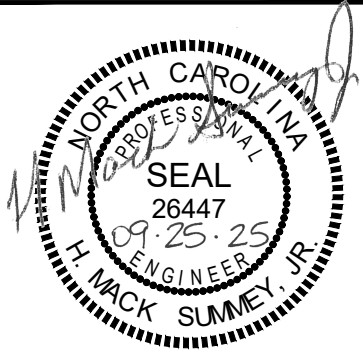
2 RIGHT WALL
SCALE: 1/8" = 1'-0"



3 REAR WALL
SCALE: 1/8" = 1'-0"



4 LEFT WALL
SCALE: 1/8" = 1'-0"



FRAMING SECTIONS
JAMIE PETREE

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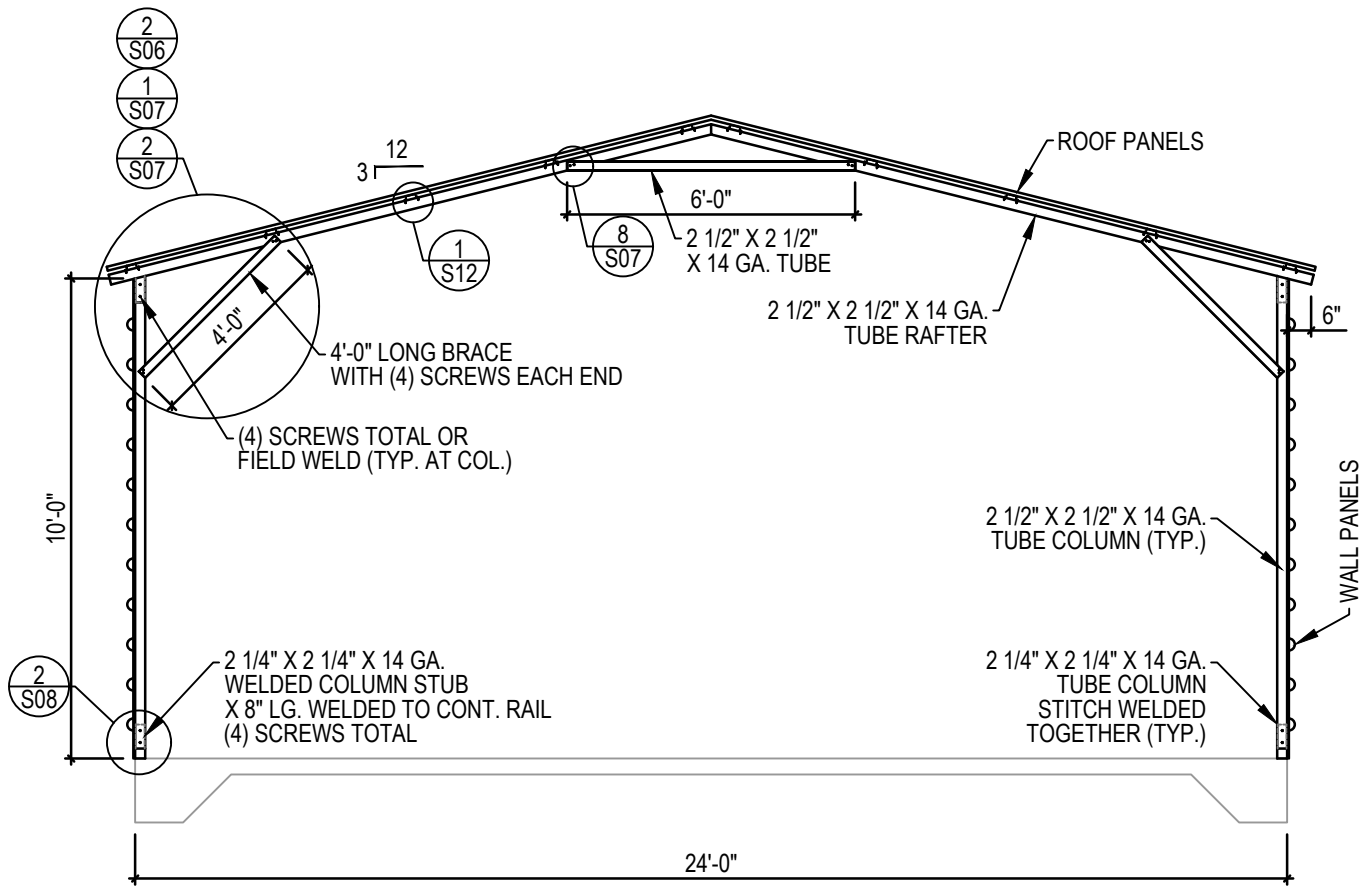
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1

TYPICAL CROSS SECTION

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



MATERIAL NOTE:

1. SCREWS TO BE #12 X 3/4" HEX WASH WITH SEAL, METAL OR EQUIV.
2. TUBING = 2 1/2" X 2 1/2" X 14 GA. UNLESS NOTED OTHERWISE
3. CONCRETE ANCHORS TO BE 1/2" X 6 1/2" RAWL POWER STUD WEDGE ANCHORS OR EQUAL 2-1/4" (MIN) EMBEDMENT INTO 3,000 PSI CONCRETE
4. ROOFING AND SIDING TO BE 29 GA. MAC-RIB PANELS

GAUGE THICKNESS

- 14 GA. - 0.083
12 GA. - 0.109

TYPICAL CROSS SECTION

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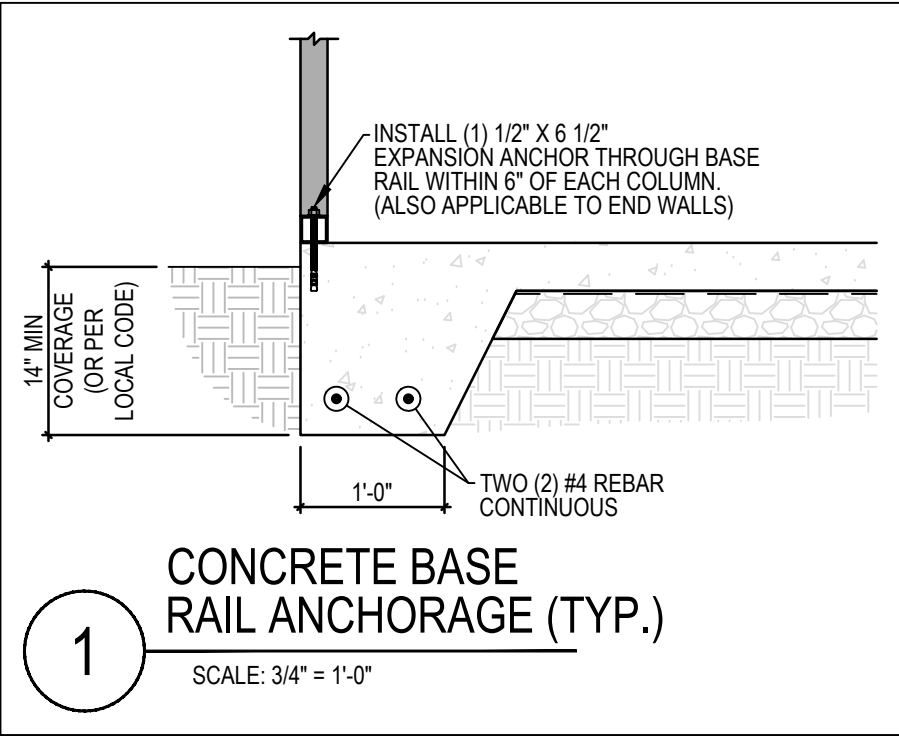
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GENERAL NOTES:

ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 P.S.F.

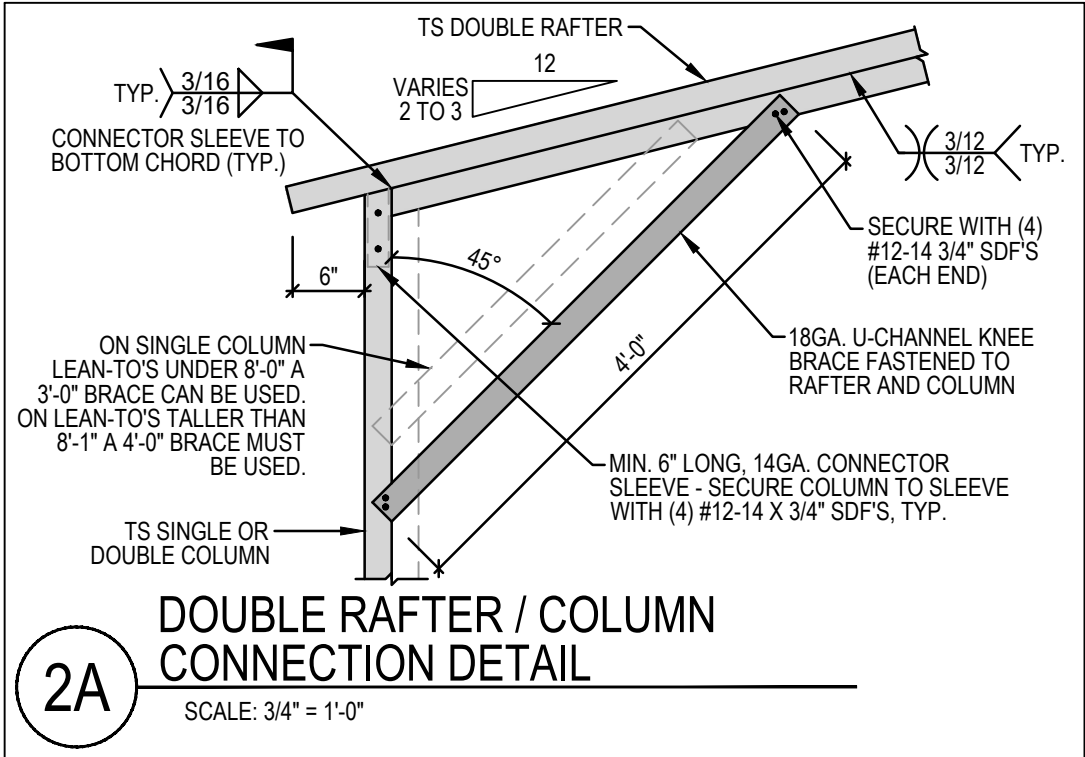
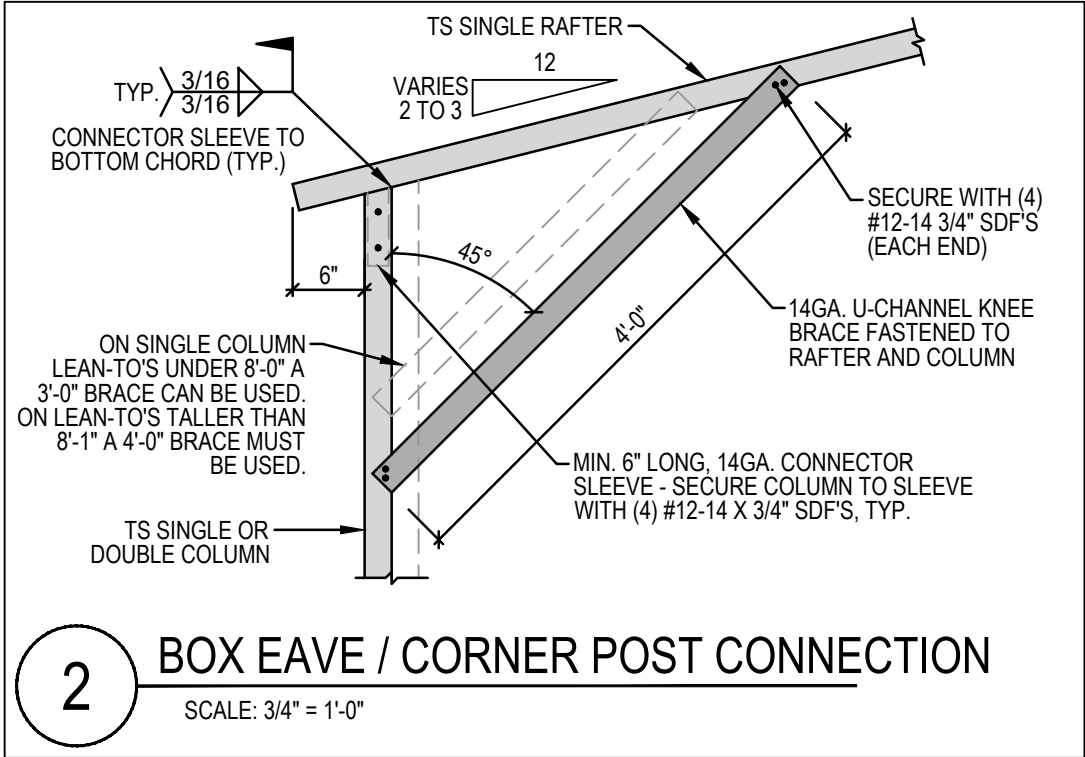
CONCRETE:
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.

COVER OVER REINFORCING STEEL:
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318:
3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH AND WEATHER AND 1-1/2" ELSEWHERE.

REINFORCING STEEL:
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

REINFORCEMENT MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:

1. REINFORCEMENT IS BENT COLD
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAT SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.



CONCRETE BASE RAIL ANCHORAGE / CONN. DETAILS

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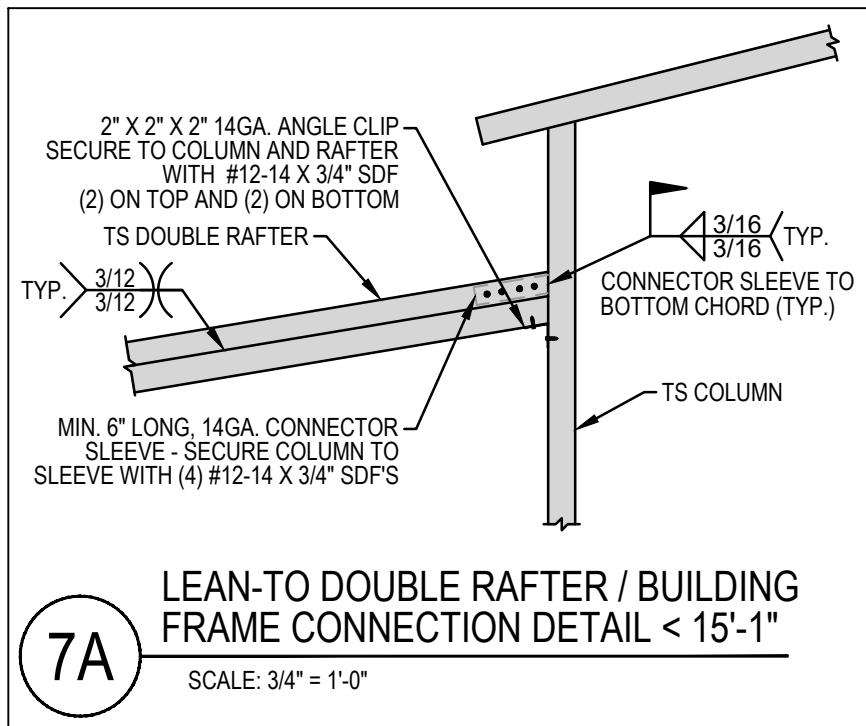
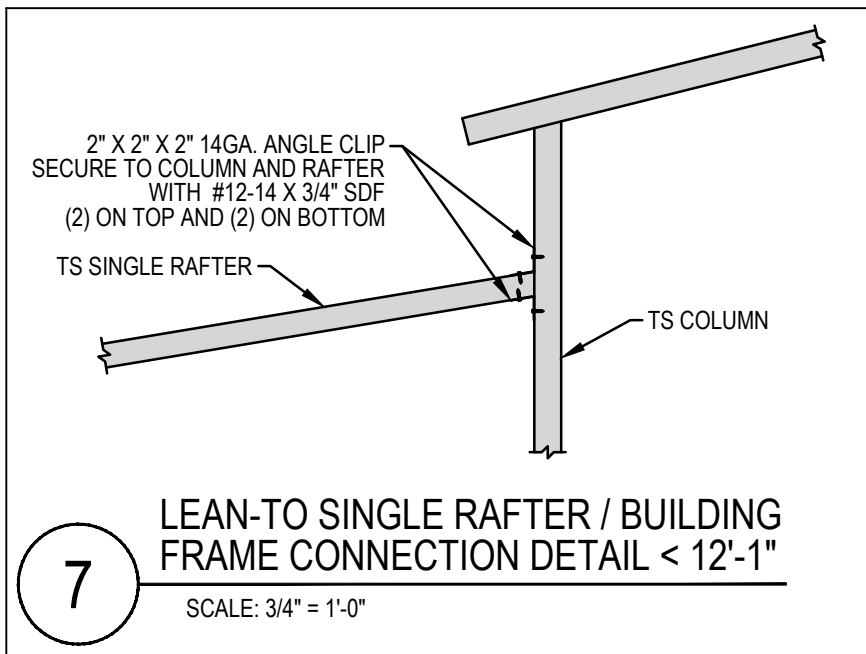
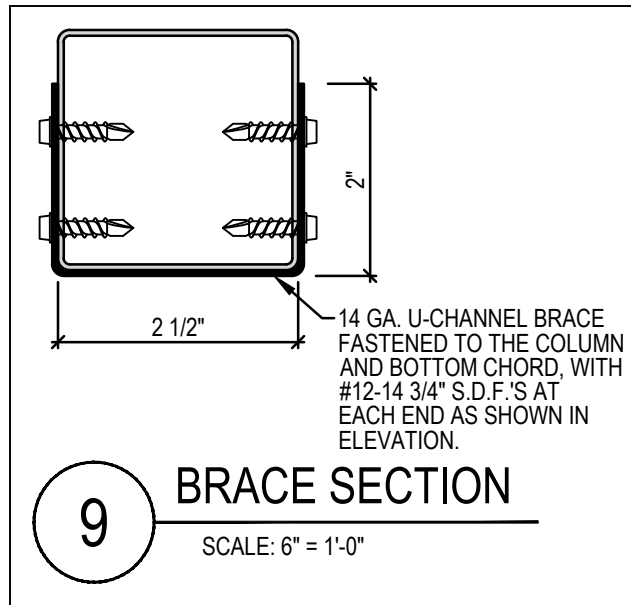
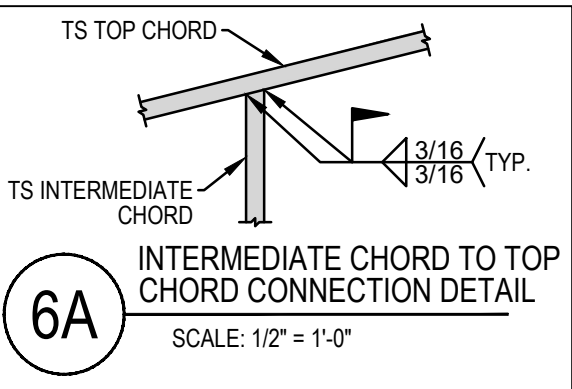
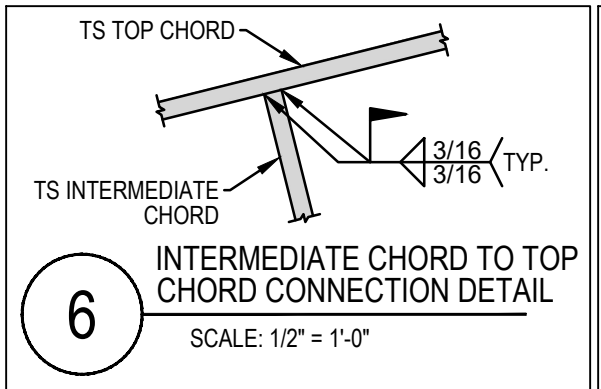
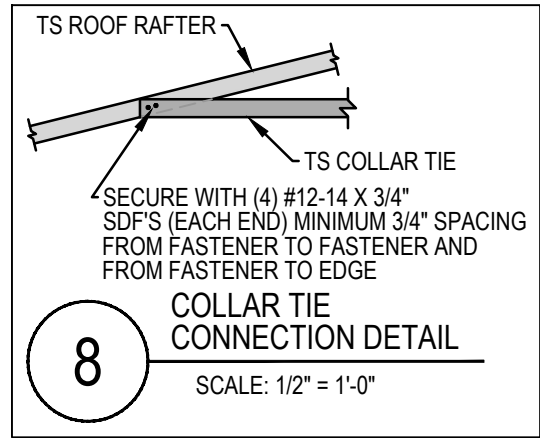
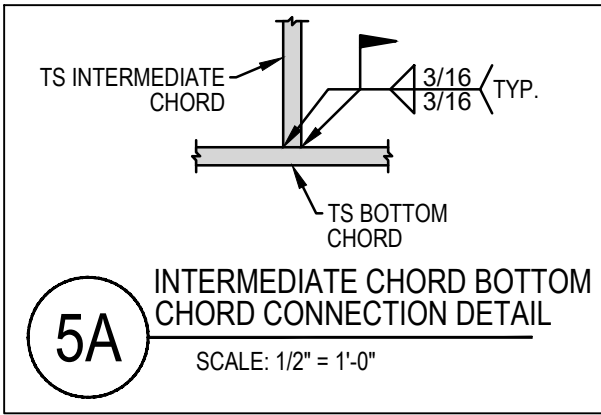
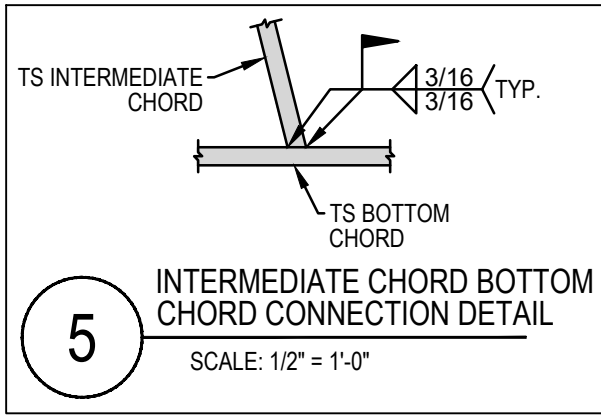
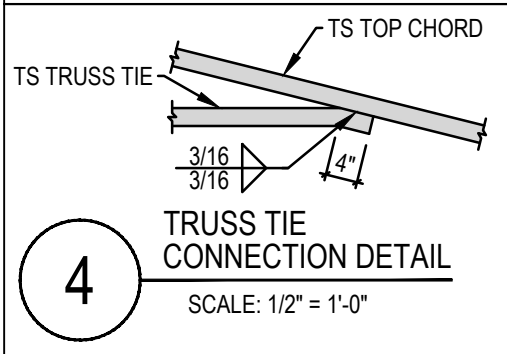
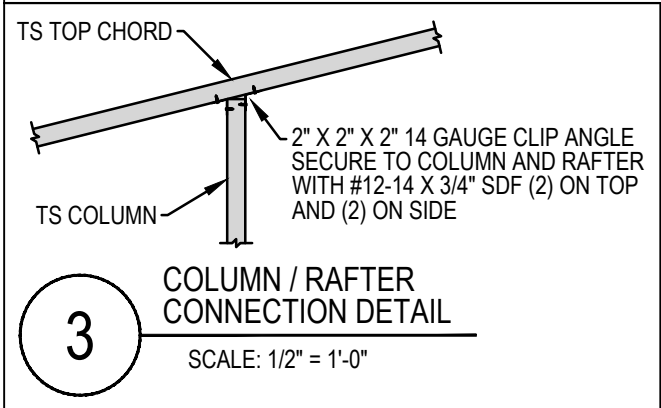
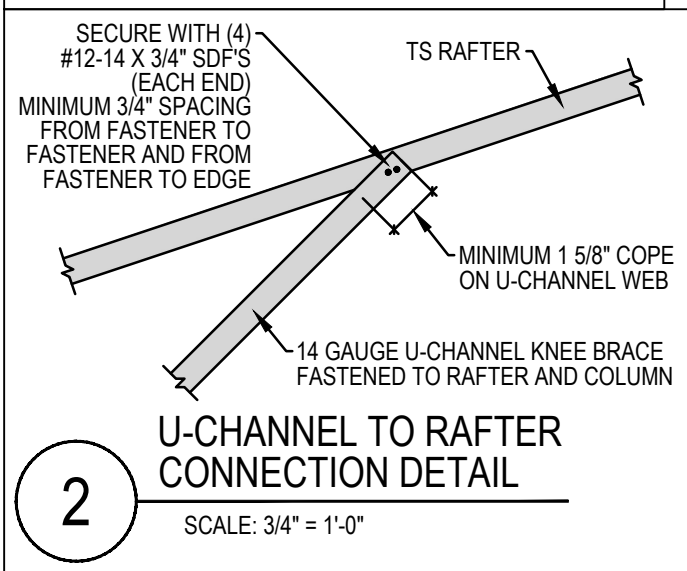
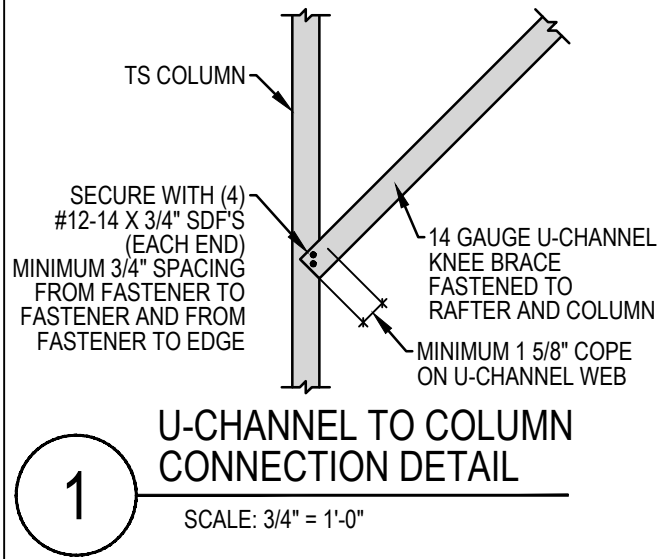
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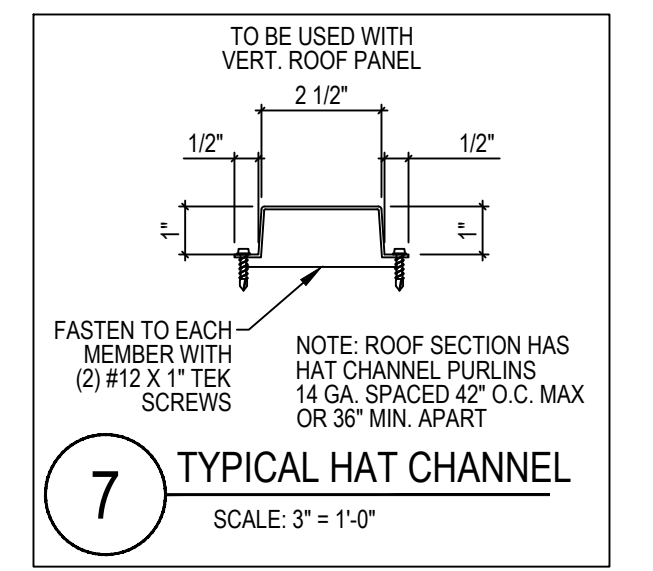
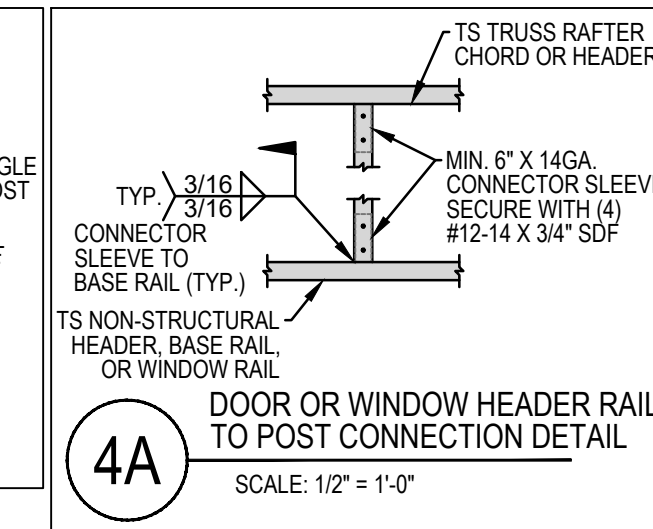
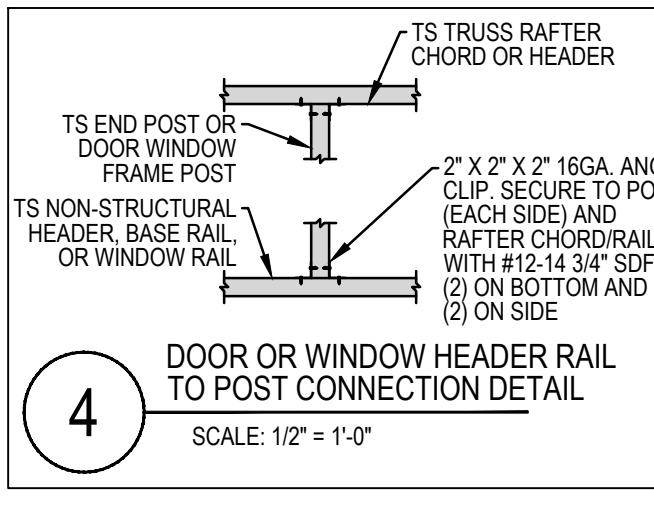
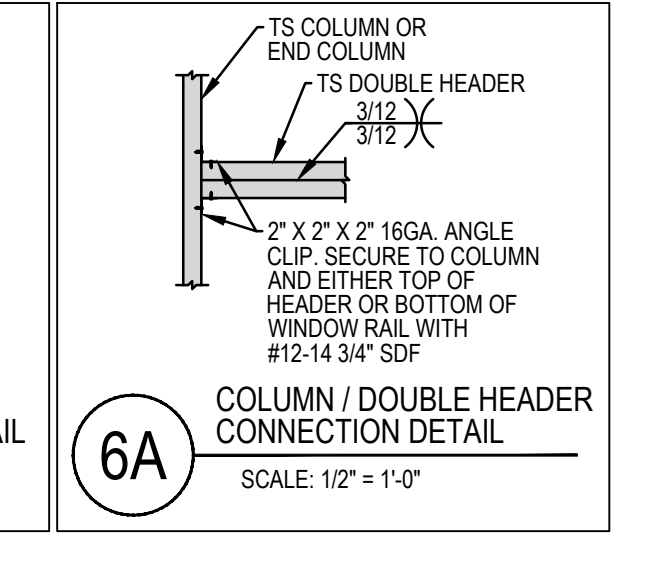
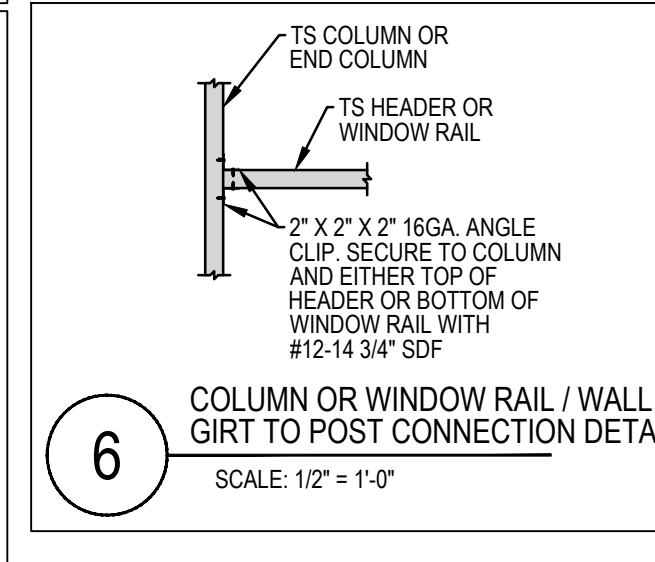
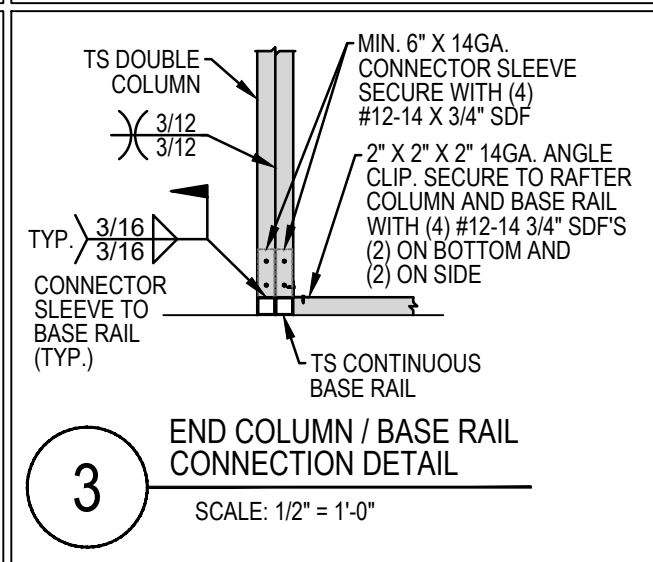
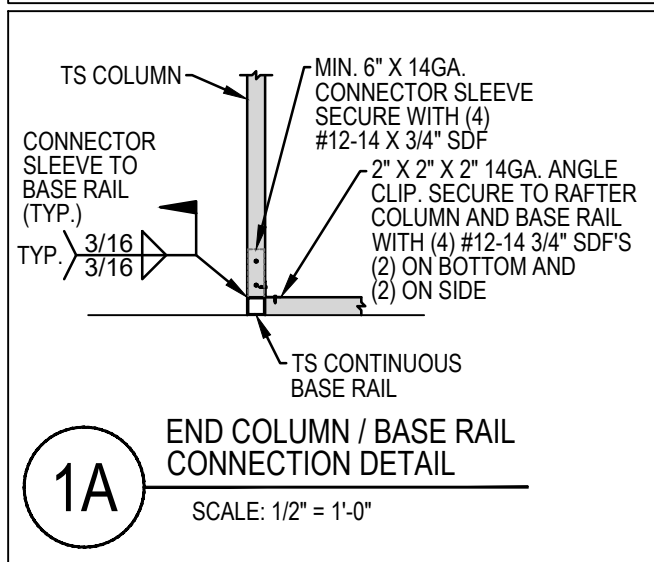
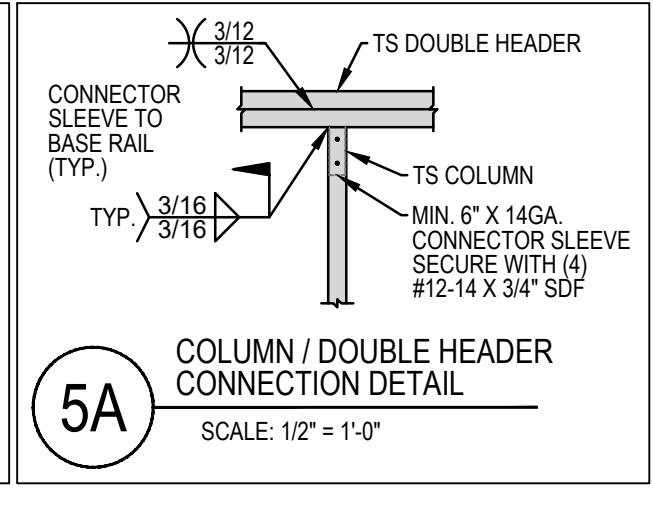
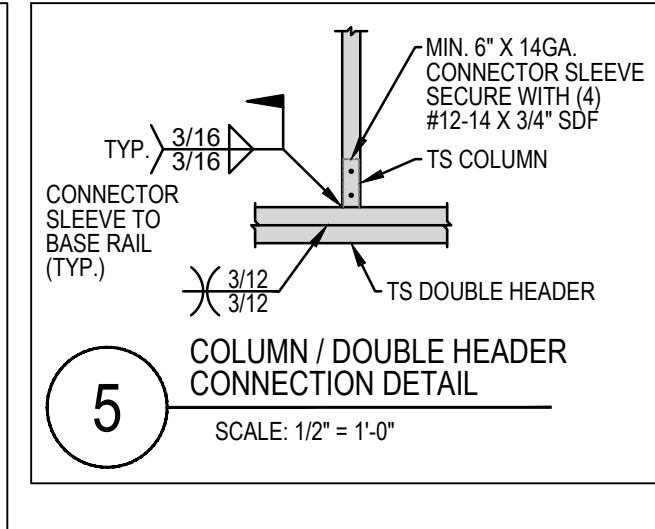
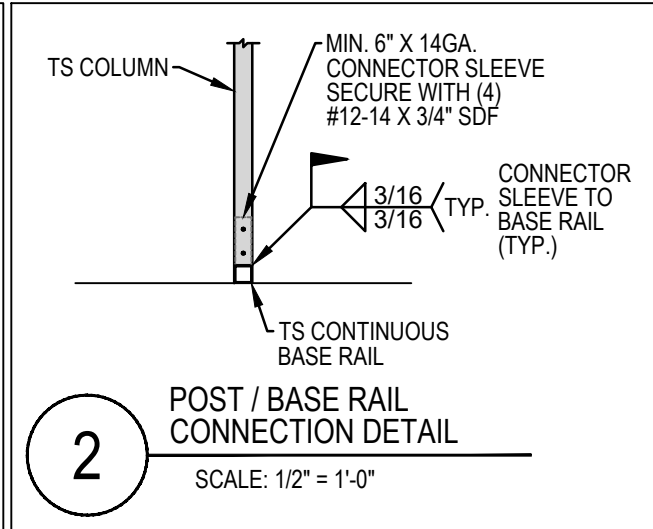
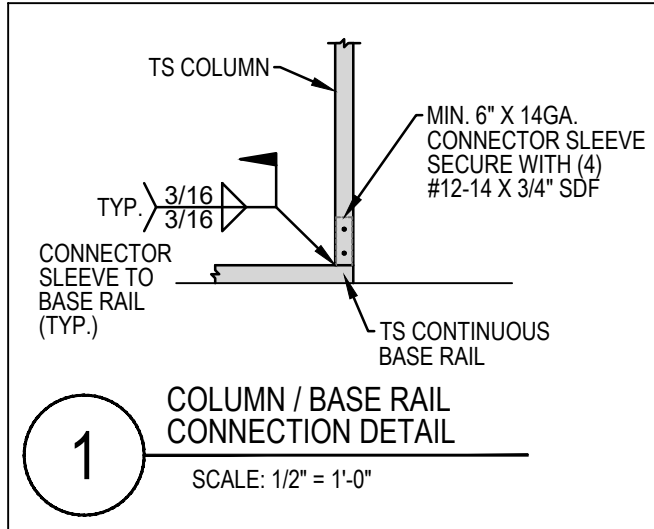
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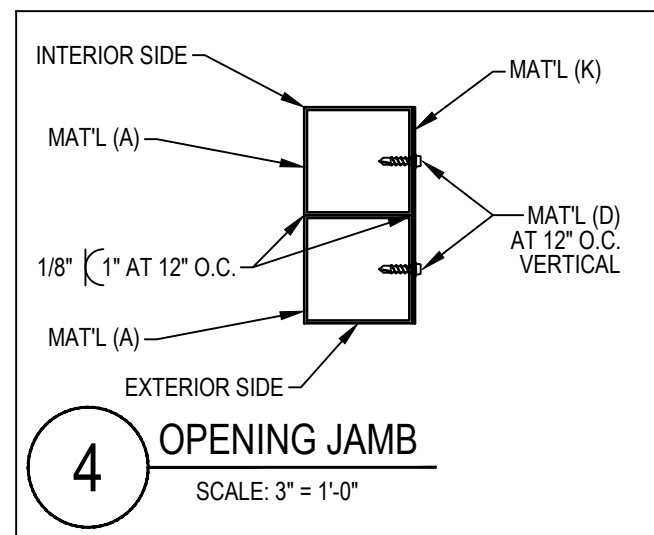
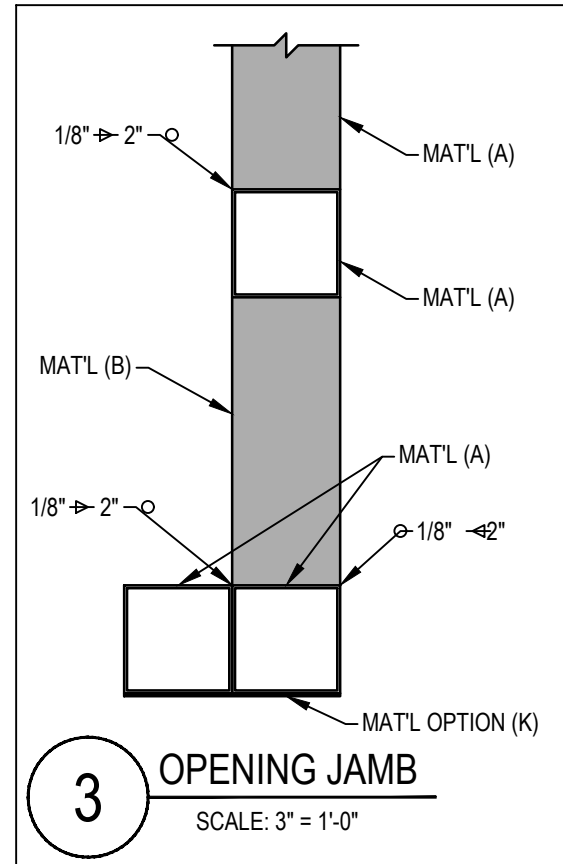
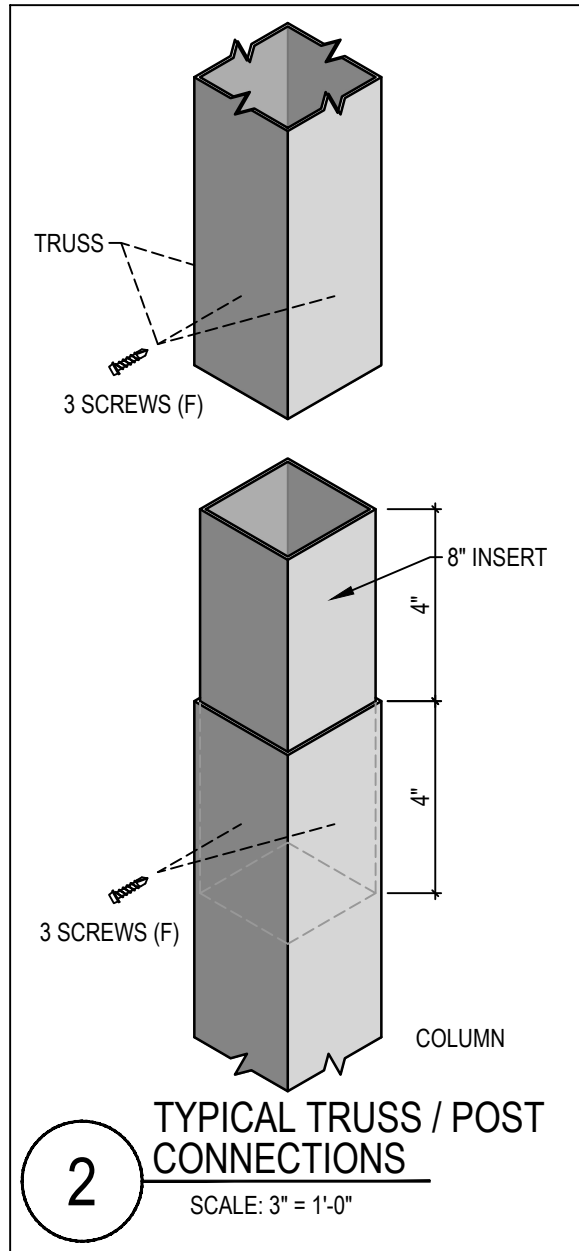
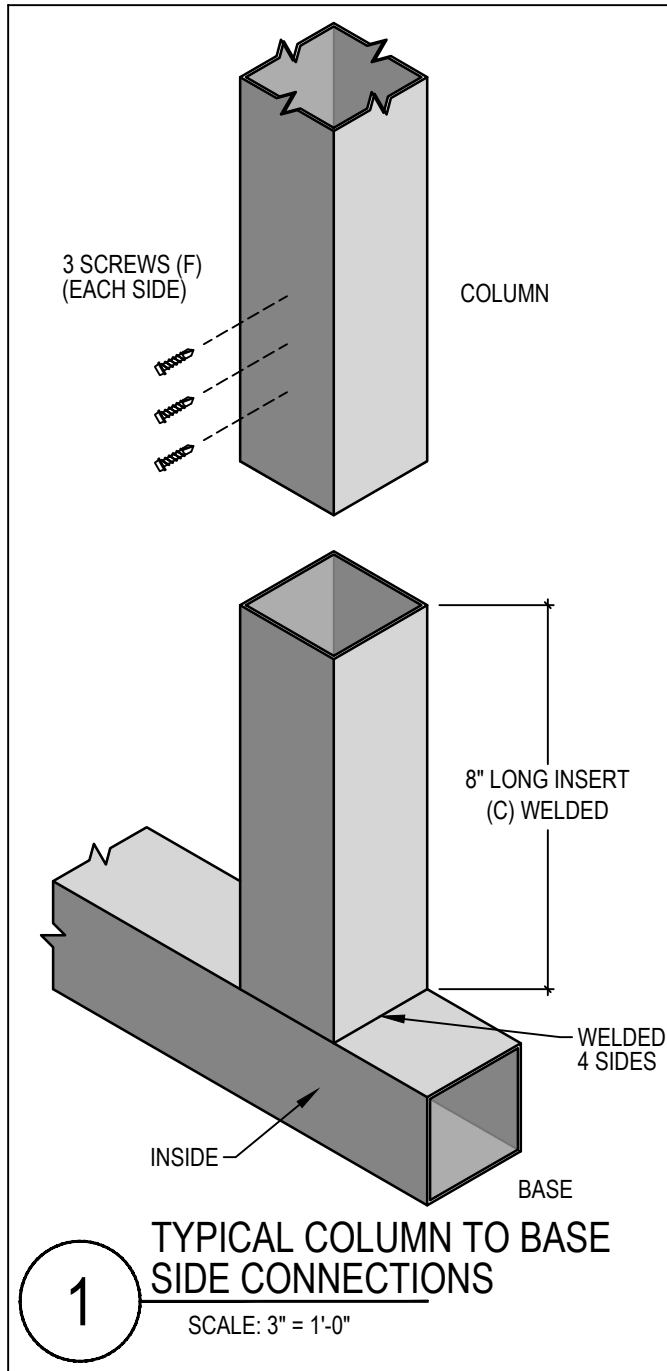


CHART OF MATERIAL	
A	2 1/4" X 2 1/4" X 14 GA. TUBING
B	4" X 4" X 1/4" ANGLE MIN. A-36 STEEL
C	NOT USED
D	#12 X 3/4" TEK SCREW
E	#12 X 3/4" TEK SCREW / LAP SCREW
F	#14 X 1 1/4" TEK SCREW / LAP SCREW
G	29 GAUGE METAL ROOF PANELS *
H	20 GA. GALVANIZED TP15 TIE PLATE 1 13/16" X 5" OR SIMPSON STRONG TIE A-21
J	2" X 2" X 3/16" 36 KSI STEEL ANGLE
K	4" X 12" GAUGE BAR
L	29 GAUGE METAL WALL PANELS *
M	2 1/4" X 2 1/4" X 14 GA. NESTED WITH 2" X 2" X 12 GA. TUBING

* COMMERCIAL BUILDING MUST HAVE A MINIMUM OF 26 GAUGE PANELS



CONNECTION DETAILS
JAMIE PETREE

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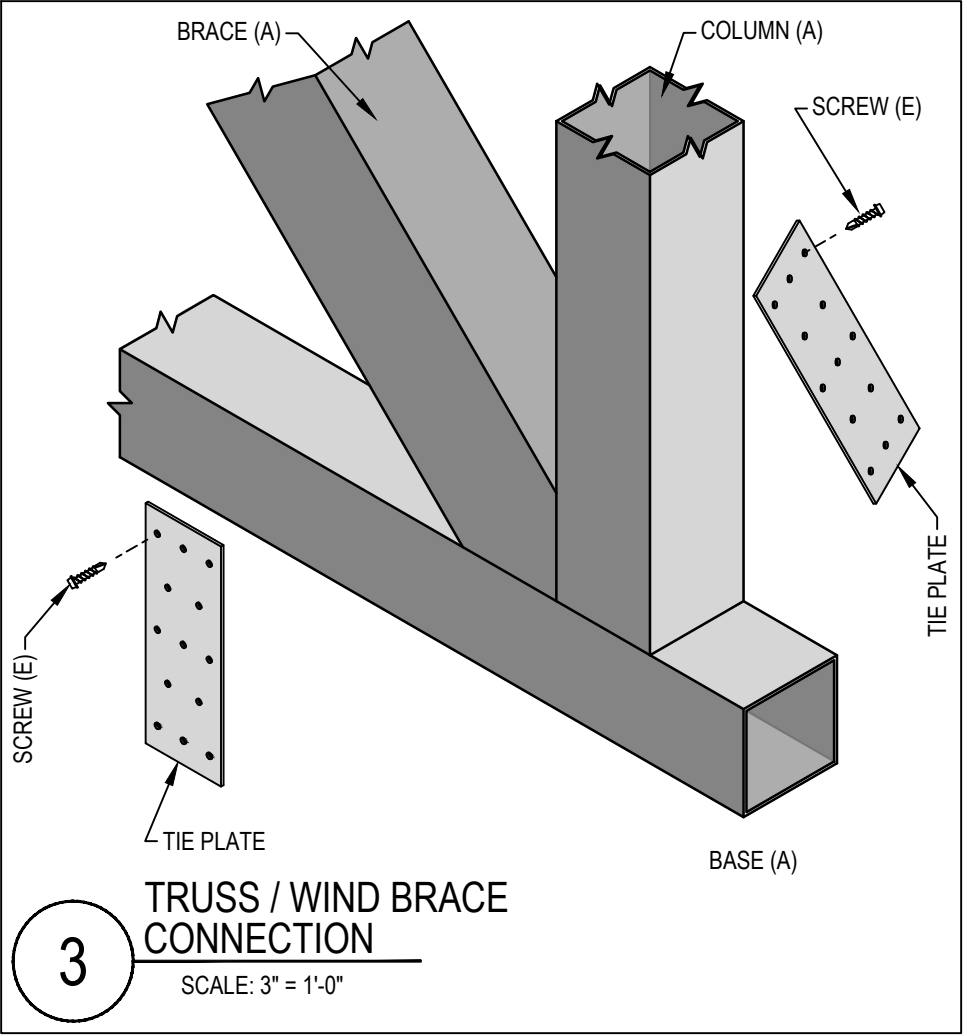
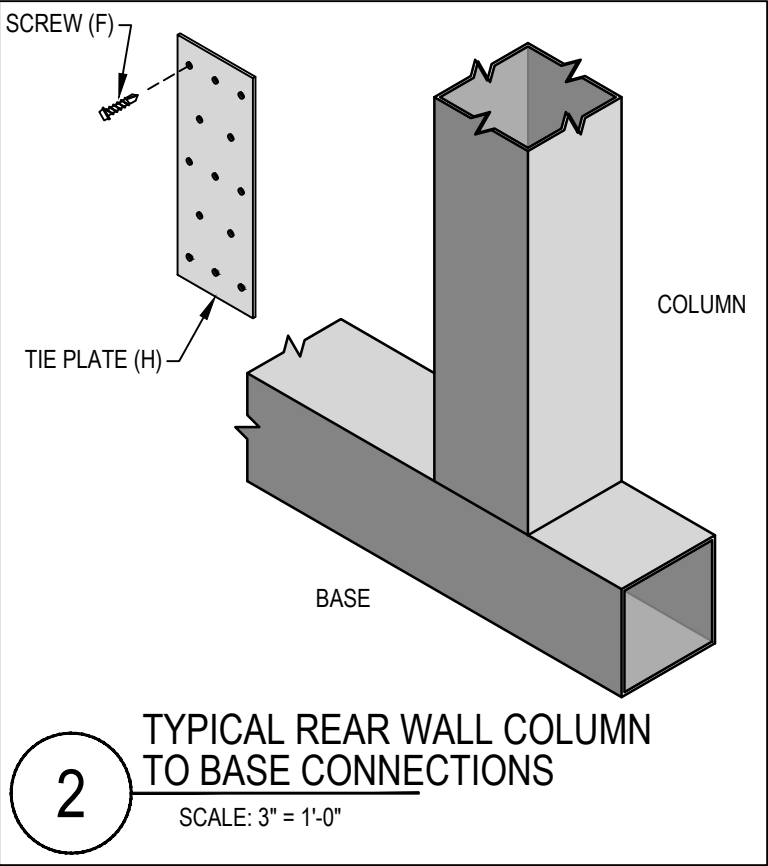
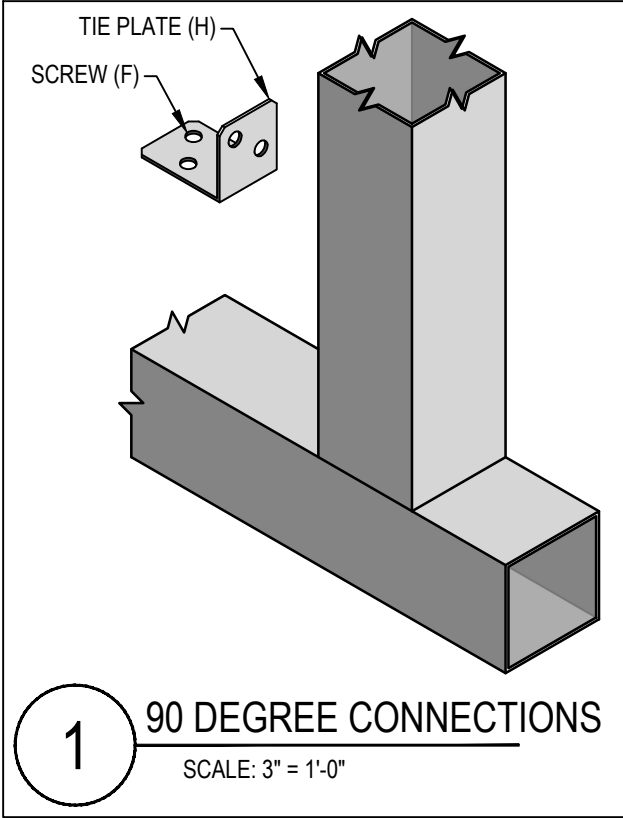


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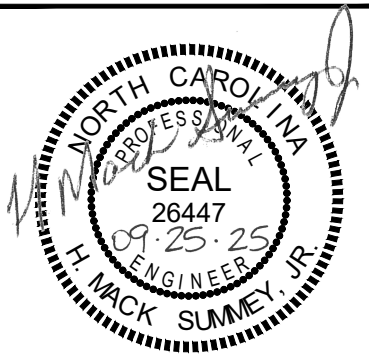
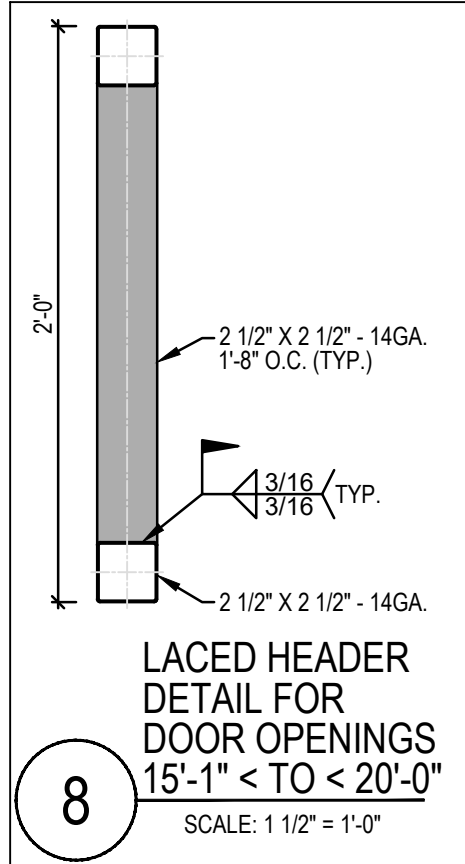
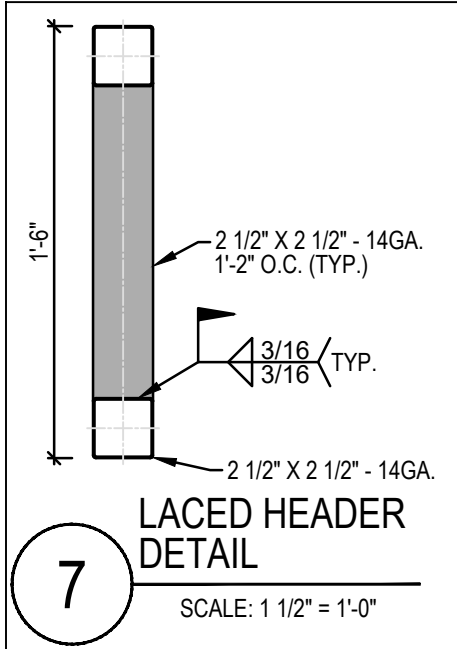
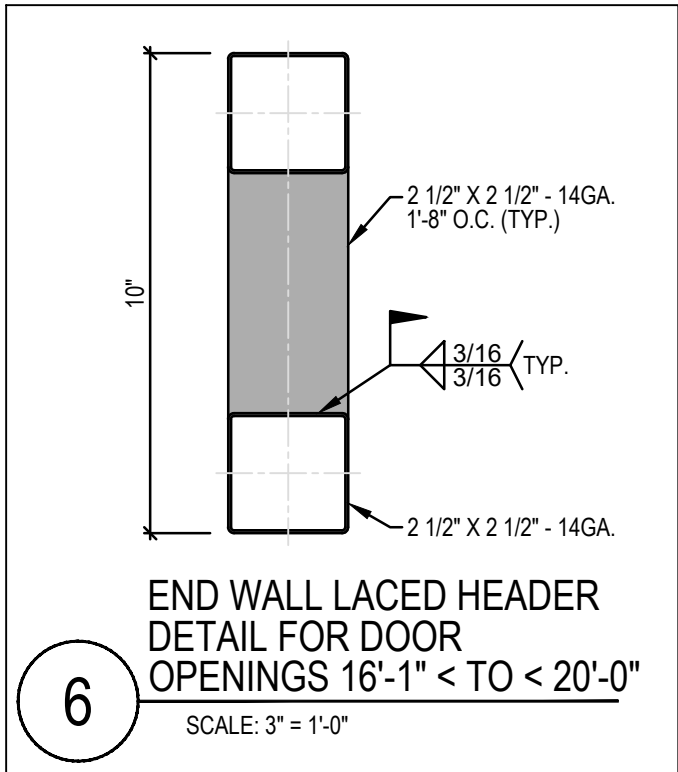
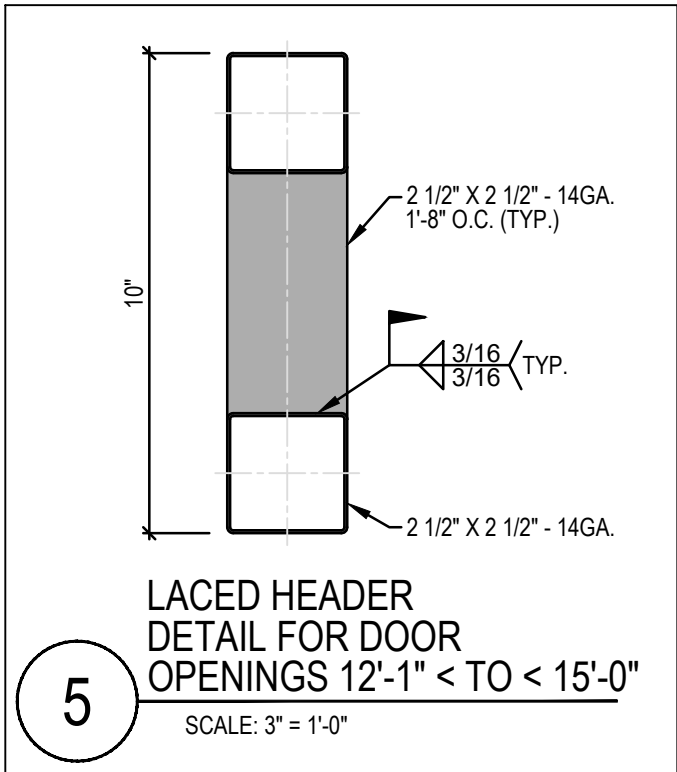
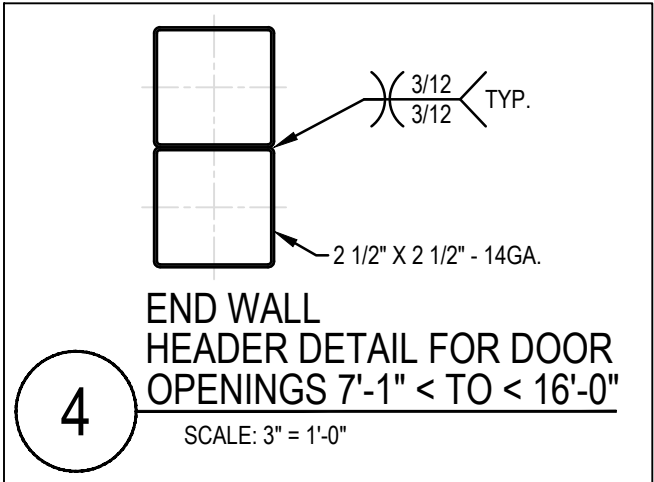
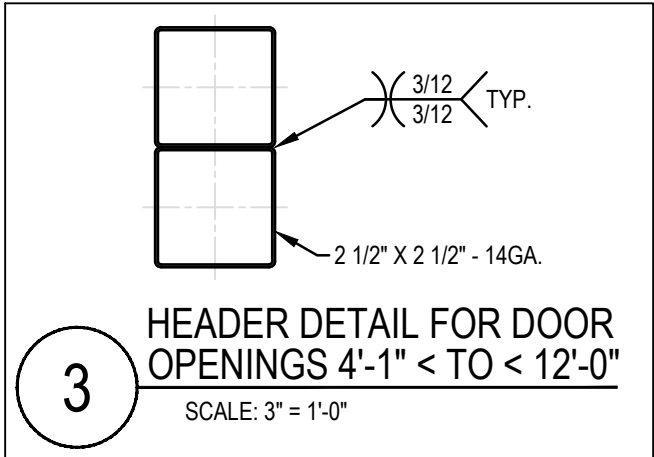
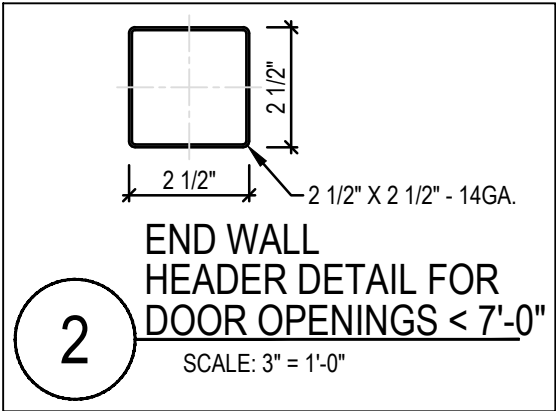
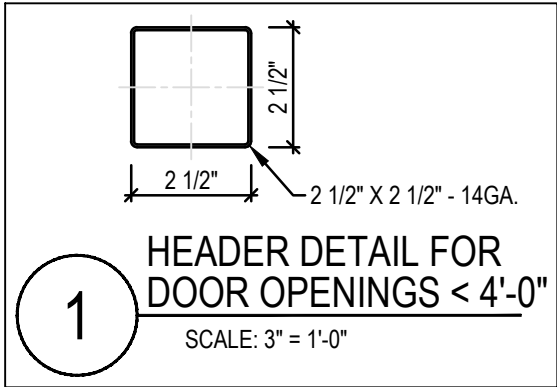
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Checked By:	HMSJ
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Sheet No.

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HEADER DETAILS
JAMIE PETREE

407 PINE WOOD RD
HARNETT COUNTY - SANFORD TOWNSHIP - NORTH CAROLINA

Summey Engineering Associates, PLLC
Engineering - Consulting - Surveying

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NC ENGINEERING FIRM CERTIFICATE OF AUTHORIZATION: P-0336

Scale: AS NOTED

Date: SEPTEMBER, 2025

Drawn By: MJC

Checked By: HMSJ

Job No.: E-10445

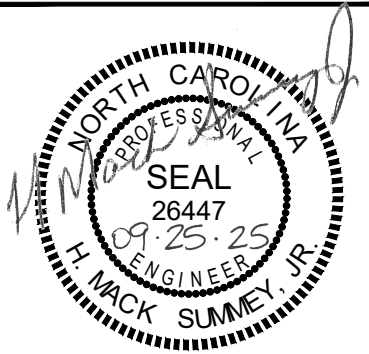
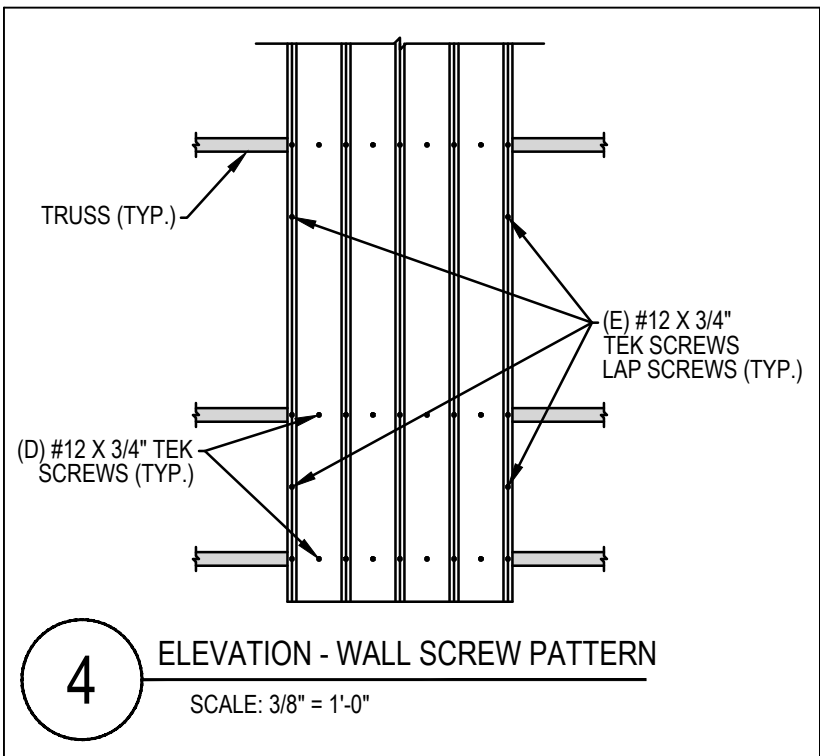
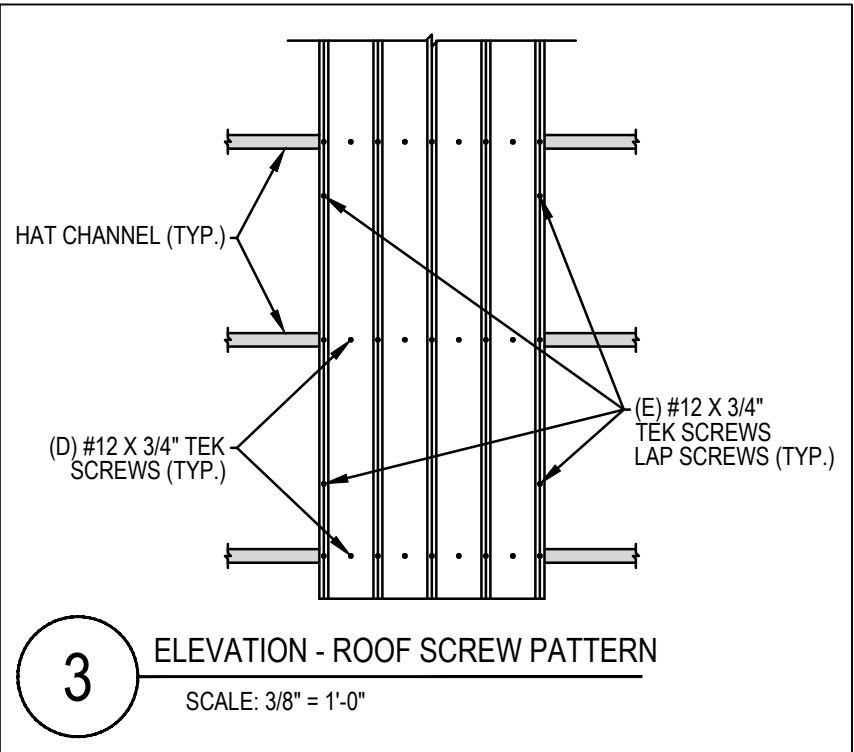
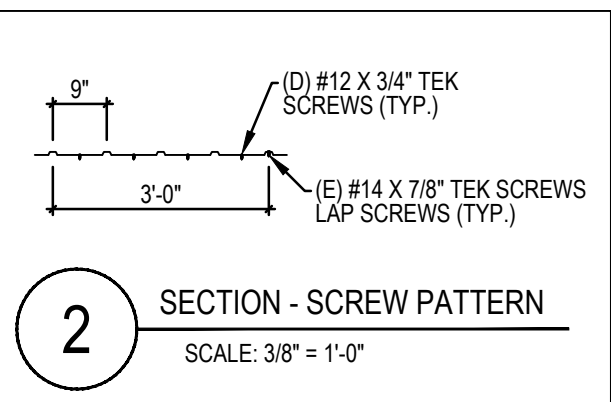
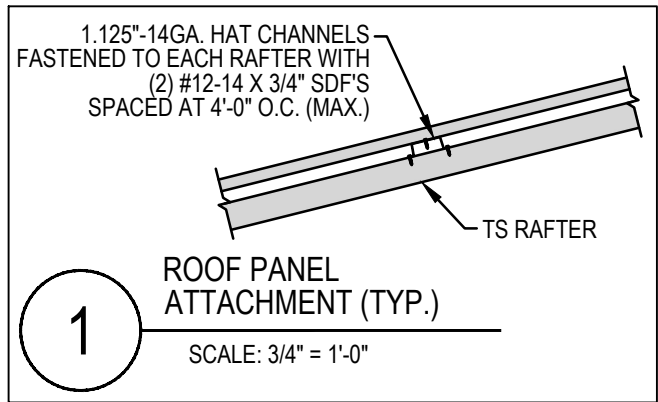
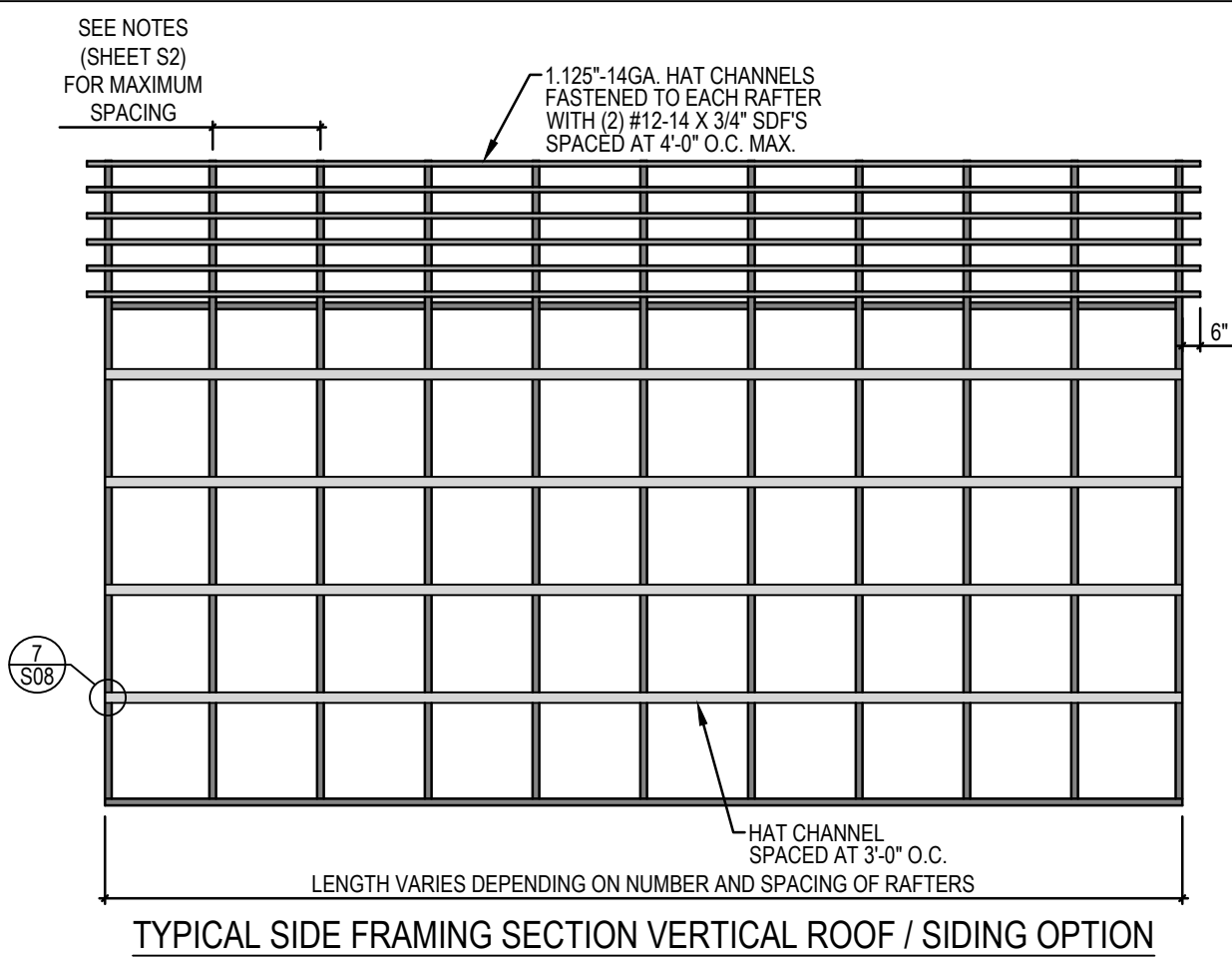
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SANFORD, NORTH CAROLINA

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TYPICAL FRAMING VERTICAL ROOF / SIDING OPTION

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Scale: AS NOTED

Date: SEPTEMBER, 2025

Drawn By: MJC

Checked By: HMSJ

Job No.: E-10445

Sheet No.

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SANFORD, NORTH CAROLINA