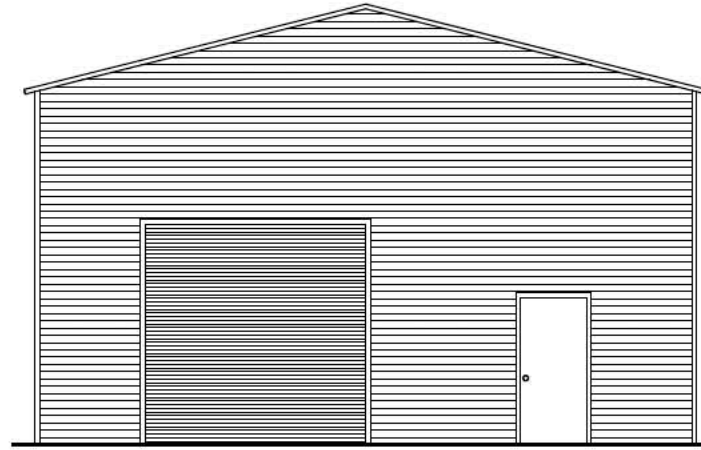




ENCLOSED GABLE END BUILDING

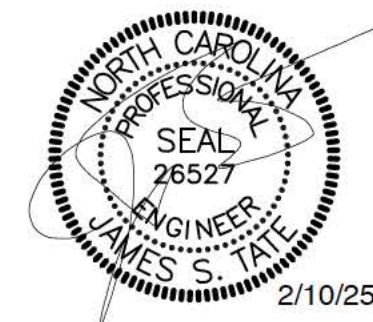
MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35 / 43.5 P.S.F. SNOW LOAD(S)

FOR:

MAMMOTH METAL MANUFACTURING, LLC

1035 E. SPRINGFIELD ROAD
HIGH POINT, NORTH CAROLINA 27263
336-515-7855

ISSUE DATE: FEBRUARY 10, 2025



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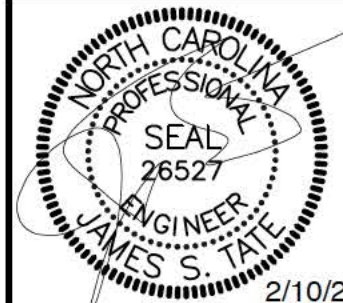


ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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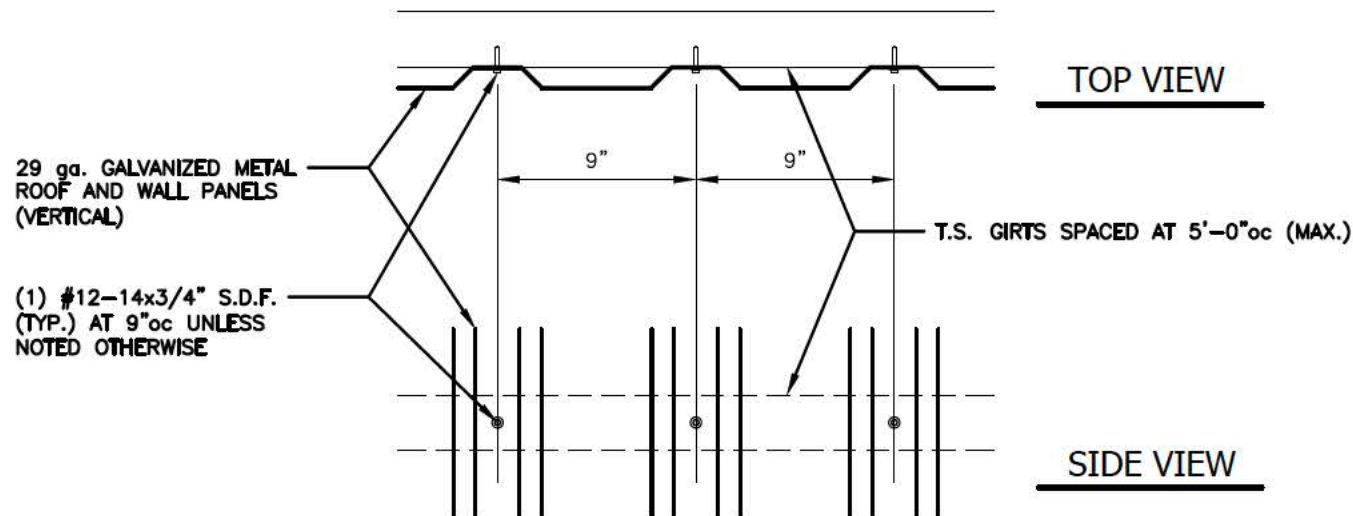
Revisions:
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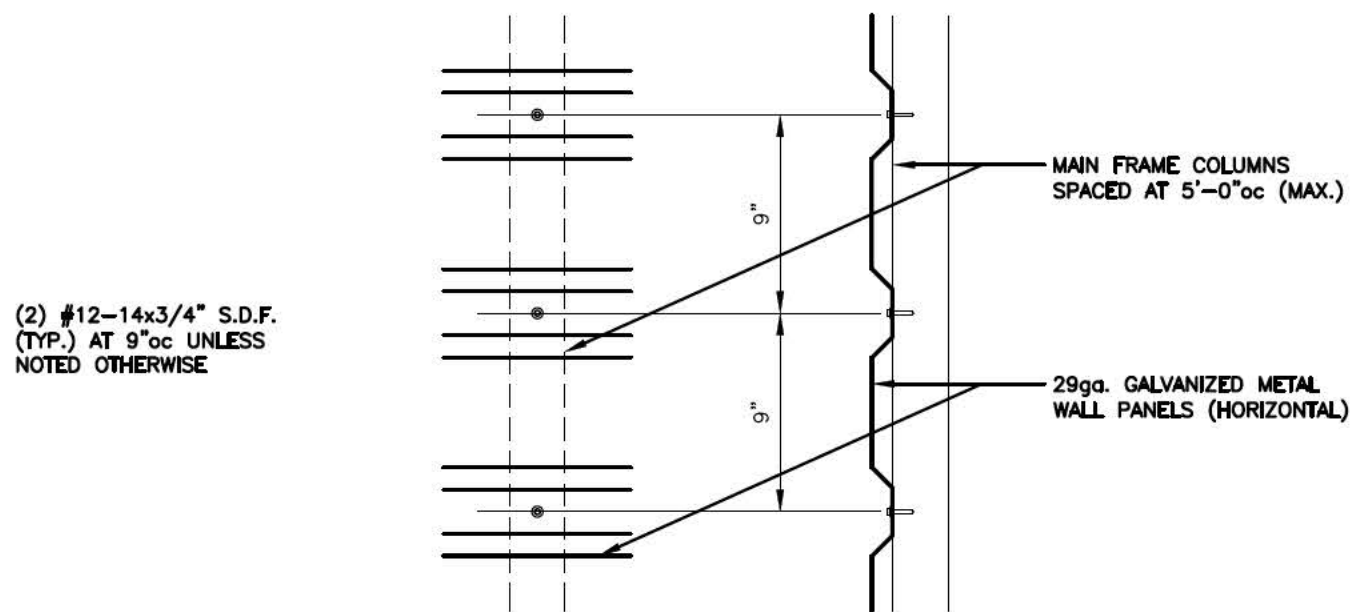


(VERTICAL) SIDING CONNECTION DETAIL

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

ELEVATION

SECTION



(HORIZONTAL) SIDING CONNECTION DETAIL

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

APPENDIX "B" STRUCTURAL DESIGN

DESIGN LOADS:

IMPORTANCE FACTORS	WIND	(1w)	1.00
	SNOW	(1s)	1.00
	SEISMIC	(1e)	1.00
DEAD LOADS	ROOF	13	P.S.F.
	ROOF COLLATERAL	0	P.S.F.
LIVE LOADS	ROOF	20	P.S.F.
GROUND SNOW LOAD:		35	P.S.F. *DRIFT LOAD HAS NOT BEEN CALCULATED
WIND LOAD:	BASIC WIND SPEED	V 145	M.P.H. (ASCE 7-16)
	EXPOSURE CATEGORY	A/B/C	

SEISMIC DESIGN CATEGORY ☒ A ☒ B ☒ C ☐ D

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:

OCCUPANCY CATEGORY I/II

SPECTRAL RESPONSE ACCELERATION S_s VARIES BASED ON SITE %g S_1 VARIES BASED ON SITE %g

SITE CLASSIFICATION D ☐ FIELD TEST ☒ PRESUMPTIVE ☐ HISTORICAL DATA

BASIC STRUCTURAL SYSTEM (CHECK ONE)

☐ BEARING WALL ☐ DUAL W/ SPECTRAL MOMENT FRAME
☒ BUILDING FRAME ☐ DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL
☐ MOMENT FRAME ☐ INVERTED PENDULUM

ANALYSIS PROCEDURE ☐ SIMPLIFIED ☒ EQUIVALENT LATERAL FORCE ☐ MODAL

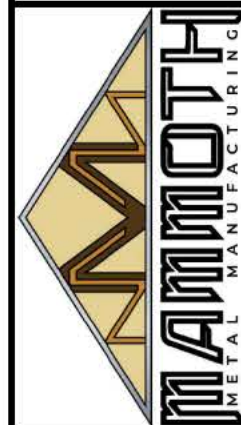
LATERAL DESIGN CONTROL? ☐ EARTHQUAKE ☒ WIND

SOIL BEARING CAPACITIES:
PRESUMPTIVE BEARING CAPACITIES: 1,500 P.S.F.

GENERAL NOTES:

- MAX FRAME SPACING SHALL BE 60"oc UNLESS NOTED OTHERWISE.
- MAX. END-WALL COLUMN SPACING SHALL BE 60"oc UNLESS NOTED OTHERWISE.
- TUBE MATERIAL SHALL BE 2-1/2" x 2-1/2" x 14ga 50 K.S.I. MIN. UNLESS NOTED OTHERWISE.
- ALL SIDING FASTENERS SHALL BE (1) #12 SELF TAPPING AT 9"o.c. UNLESS NOTED OTHERWISE.
- 1,500 P.S.F. ASSUMED BEARING CAPACITY UNLESS NOTED OTHERWISE.
- THESE DRAWINGS ARE NOT APPLICABLE TO OPEN / PARTIALLY OPEN BUILDINGS.
- THESE DRAWINGS ARE NOT DESIGNED FOR SLEEPING QUARTERS.
- ALLOWABLE GROUND SNOW LOAD CAN BE 43.5 WITH MAXIMUM FRAME SPACING AT 48"oc.

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(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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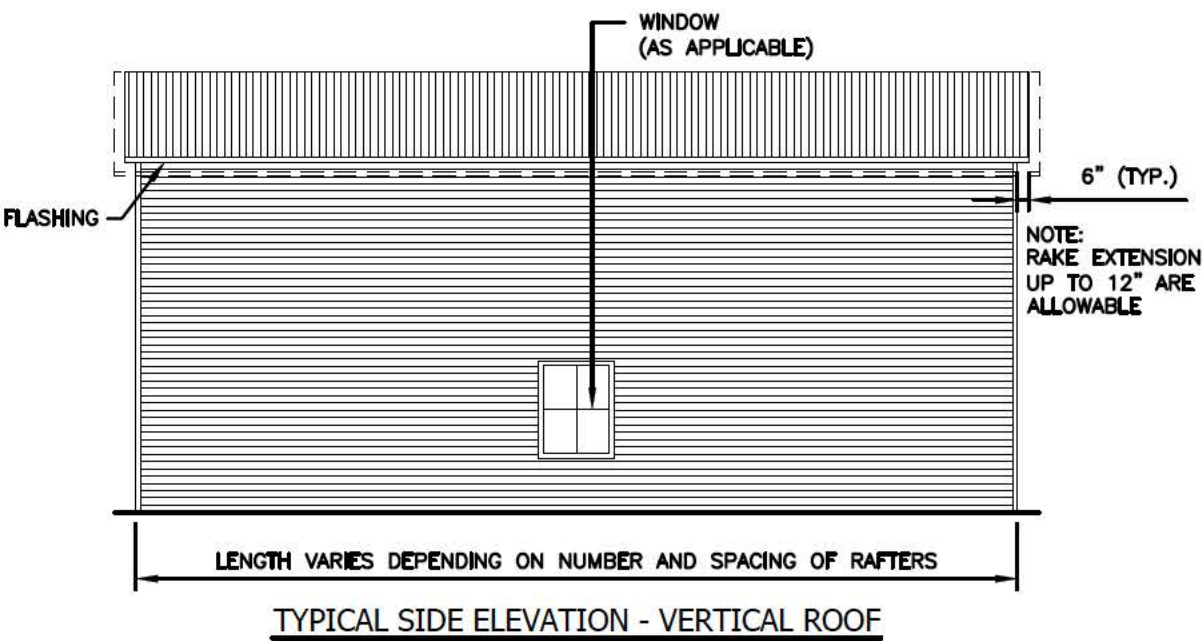
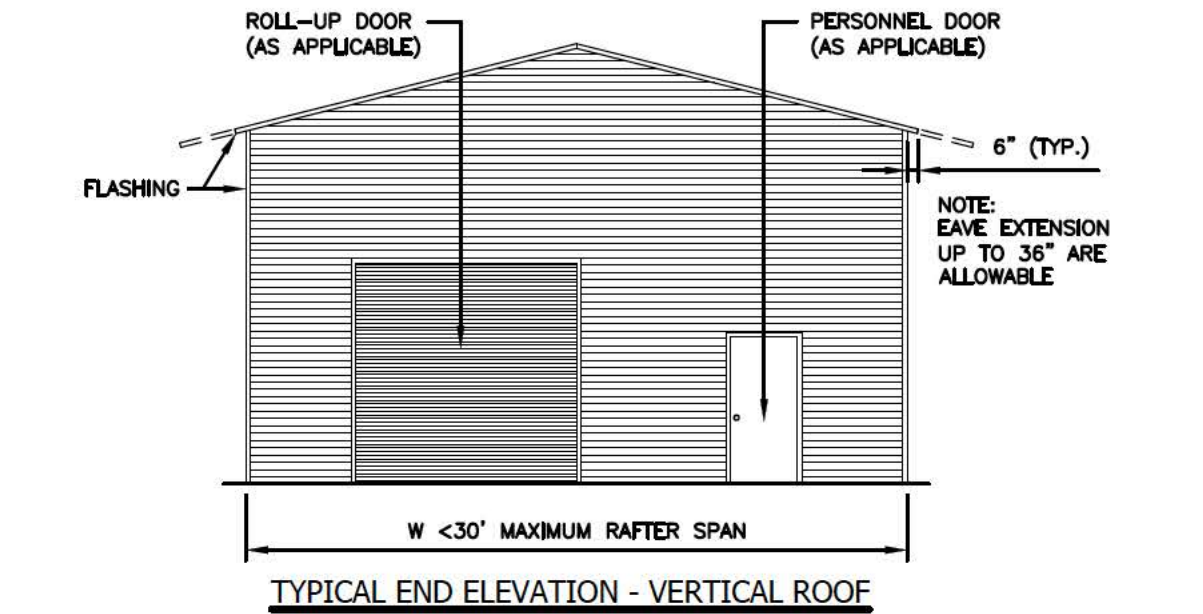


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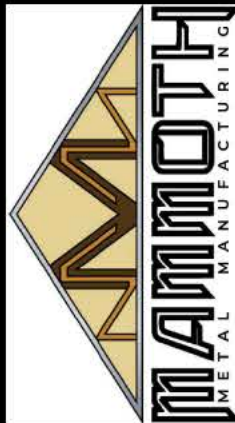
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BOX EVE FRAME RAFTER STURCTURE



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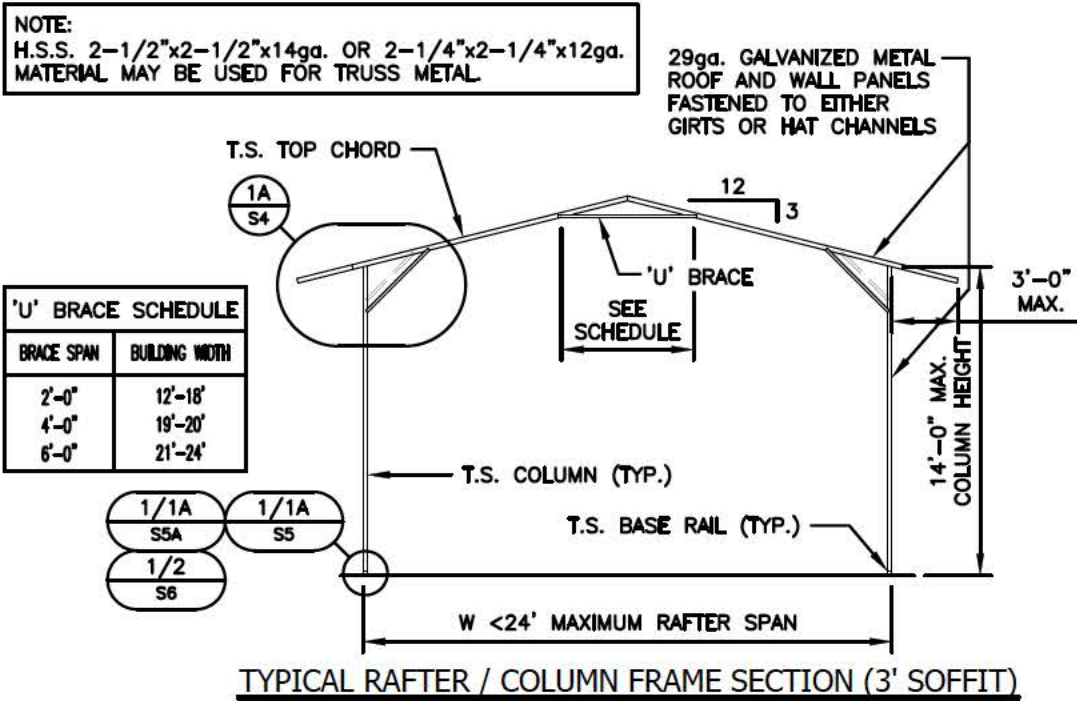
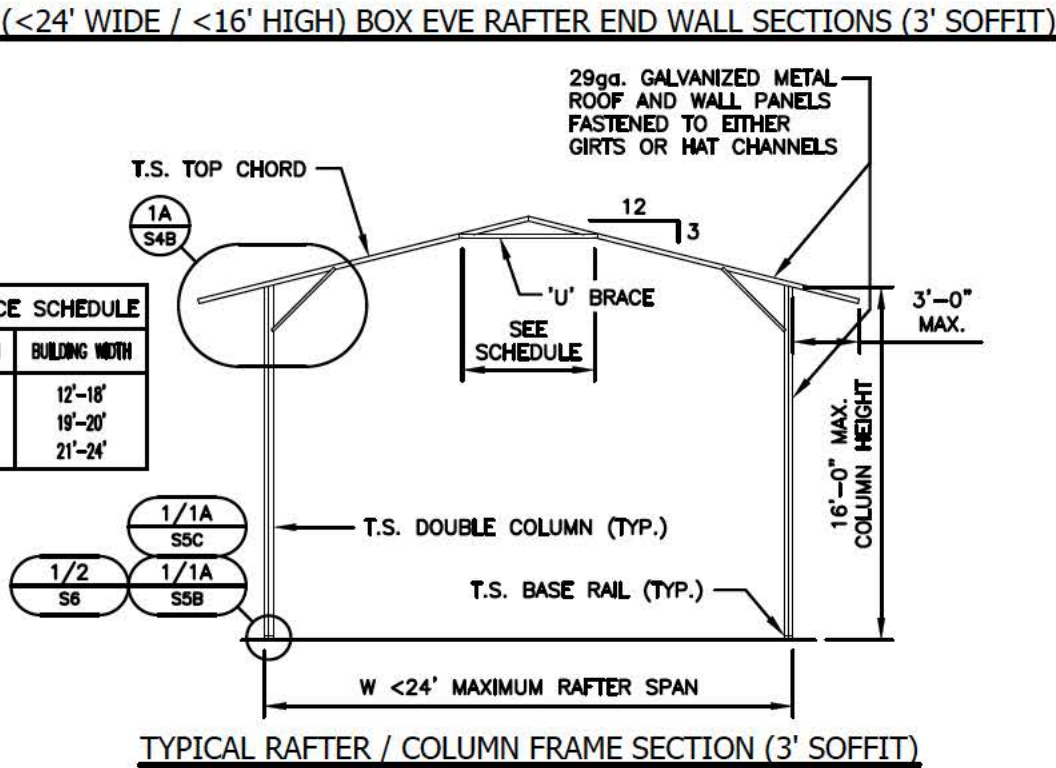
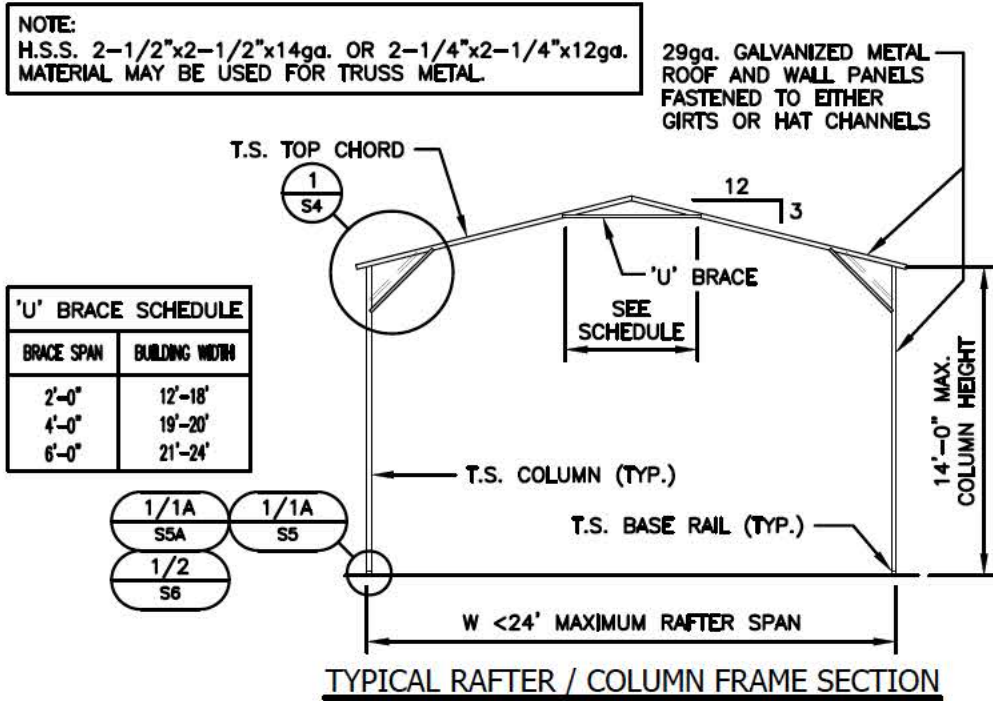
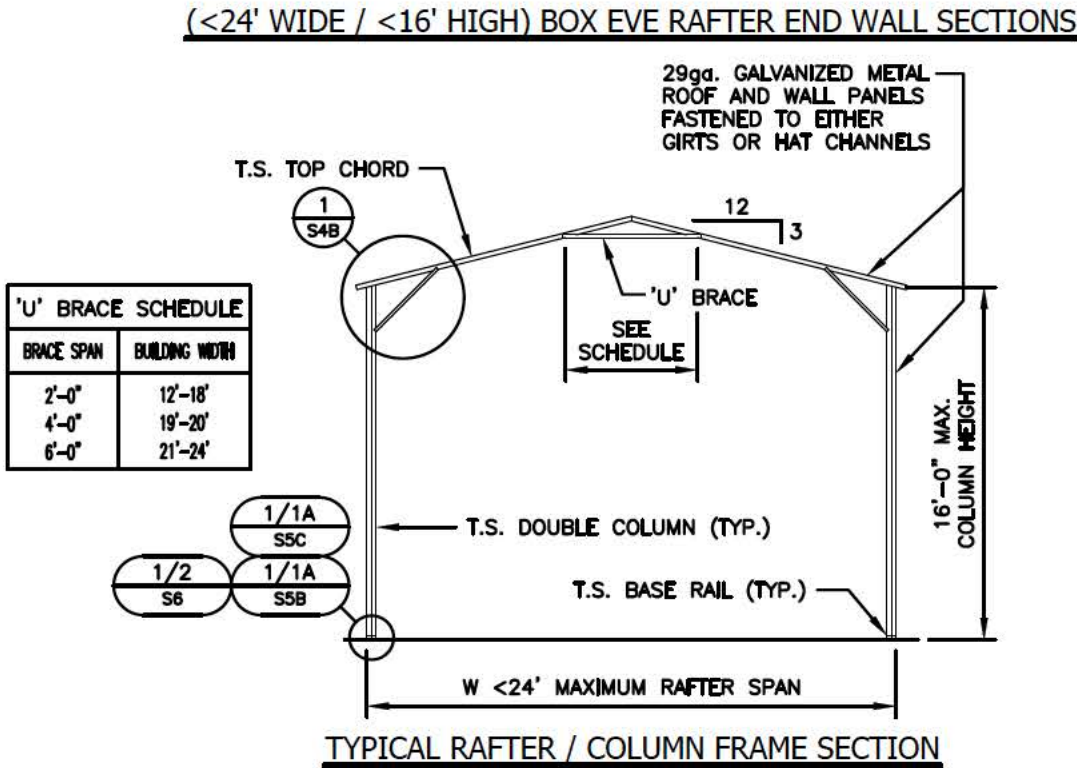


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(<24' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS



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ENCLOSED GABLE END BUILDING

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(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

Date:
02-10-2025

Revisions:
-



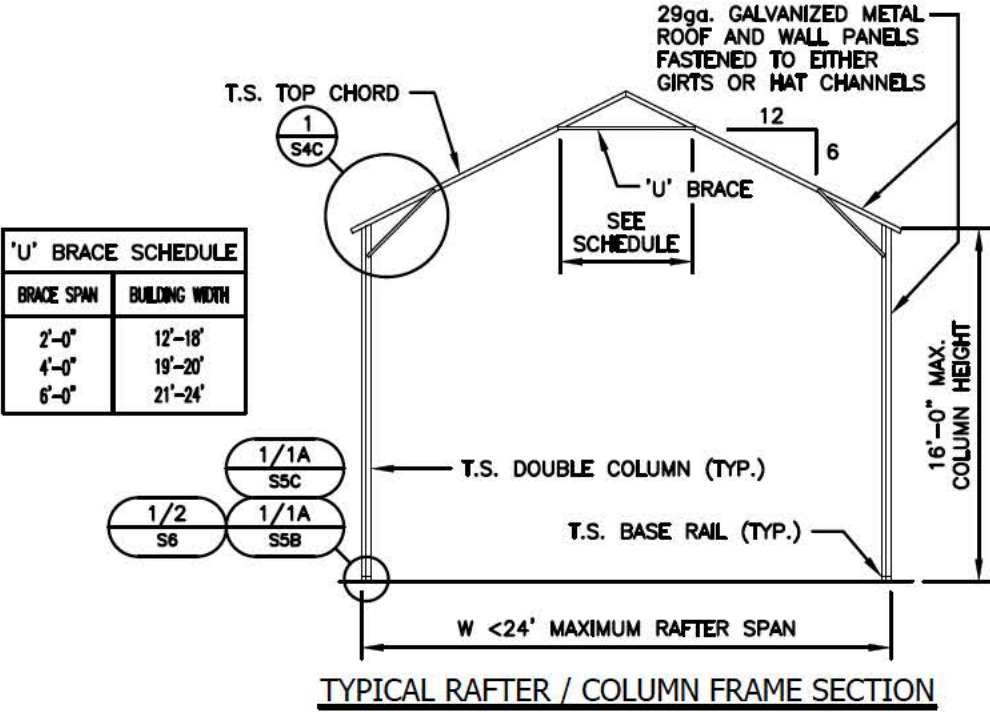
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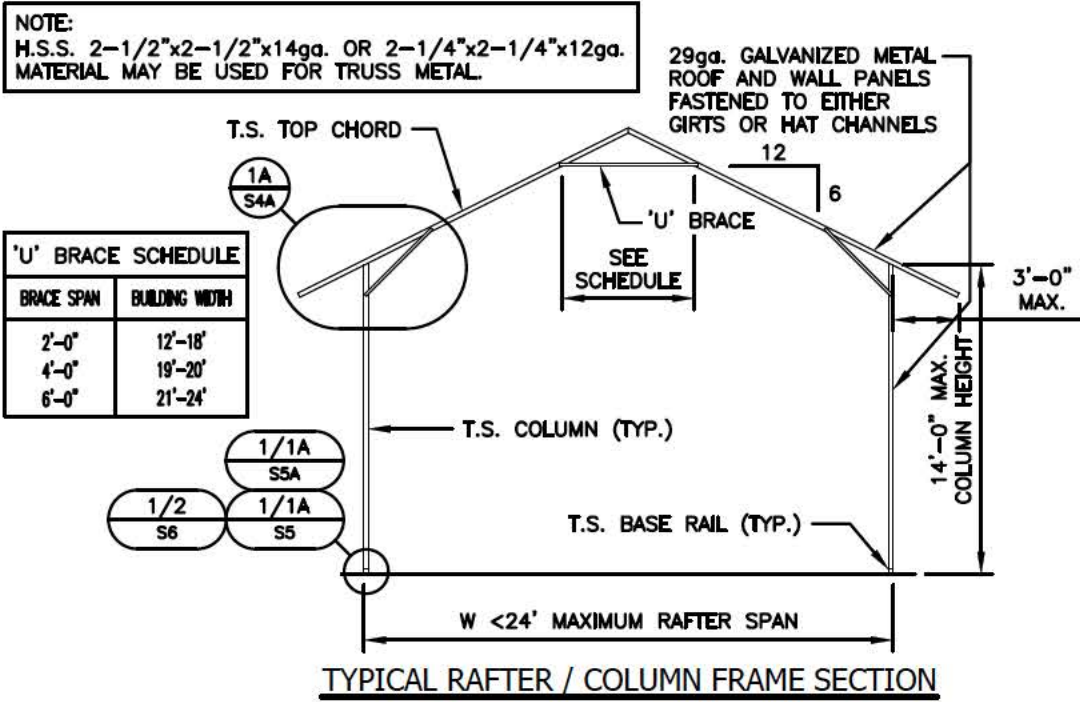
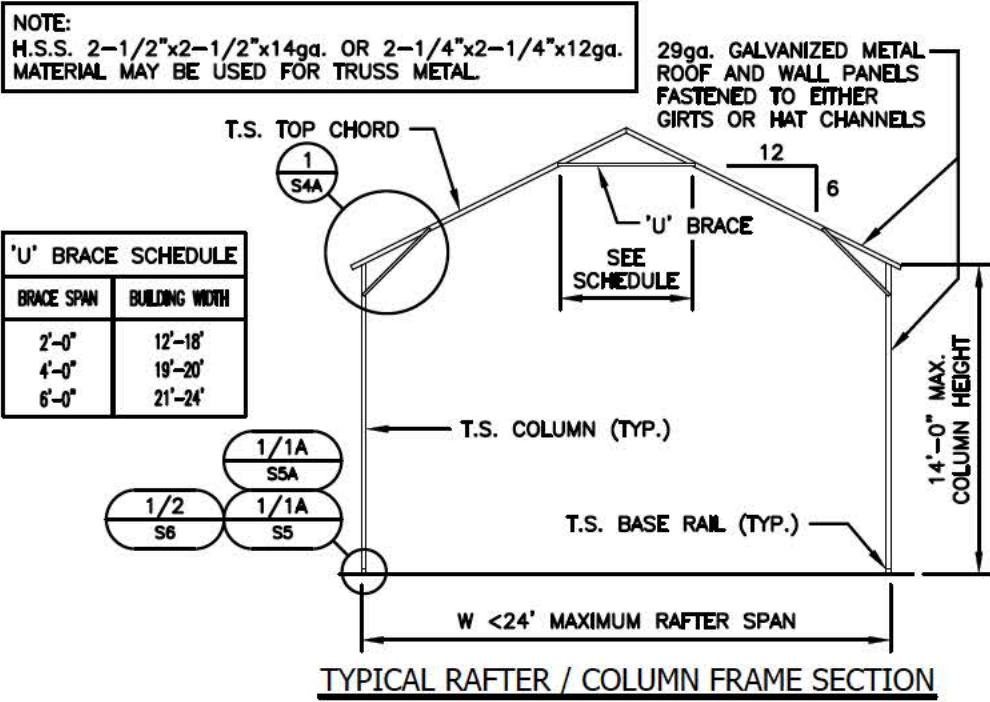
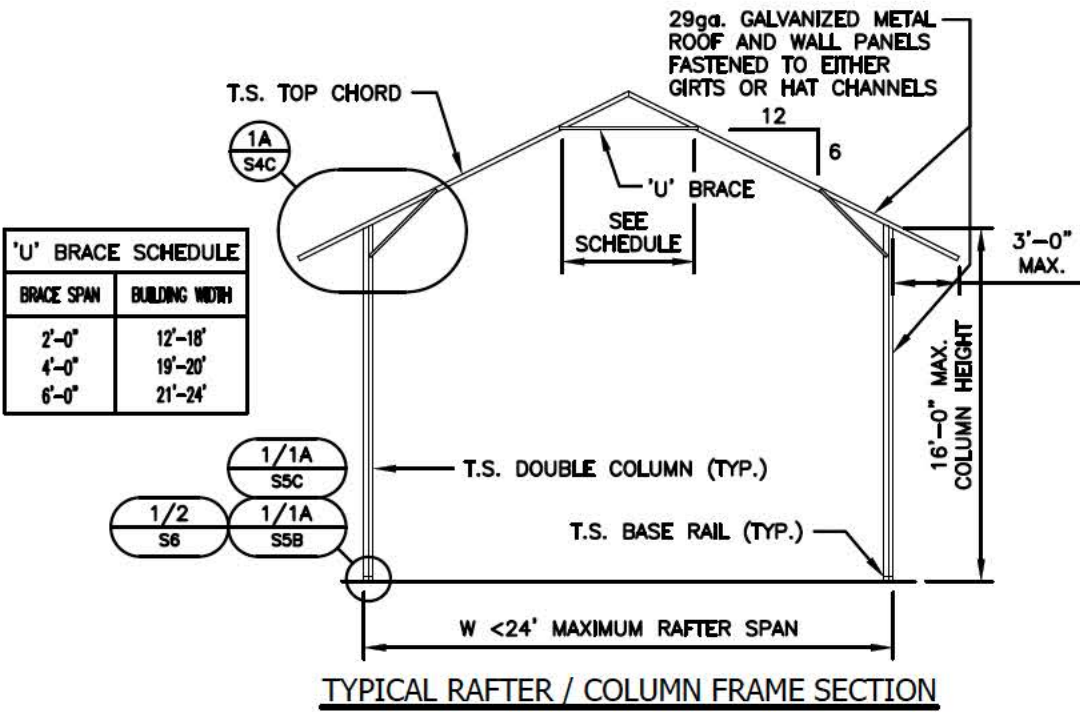
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S2

(<24' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS

(<24' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS (6:12 PITCH)



(<24' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS (6:12 PITCH)



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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

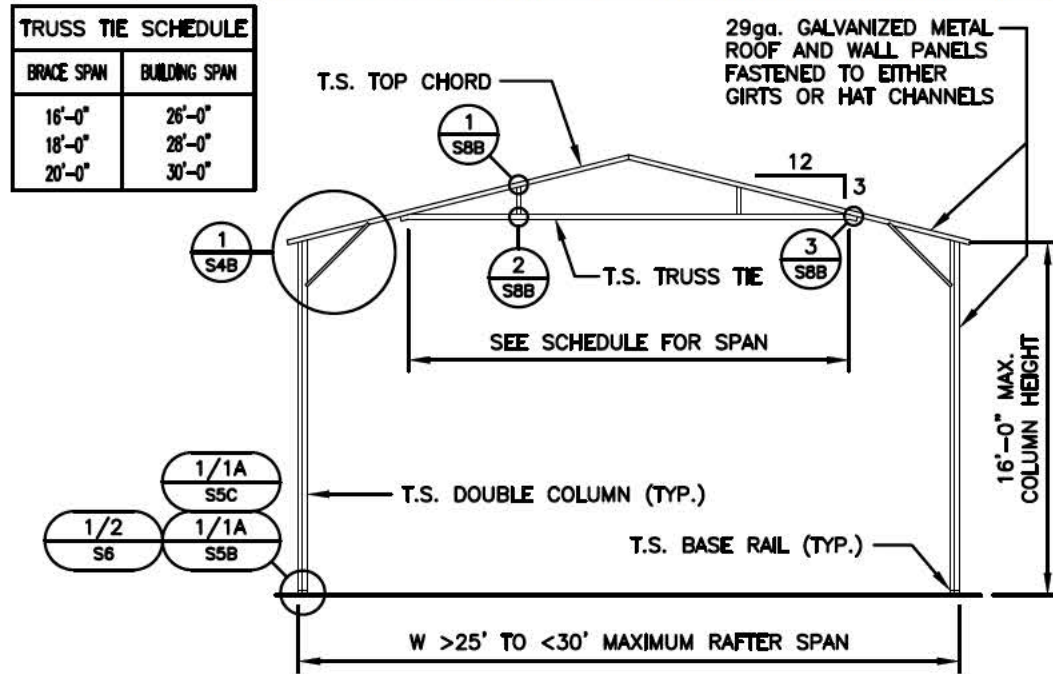
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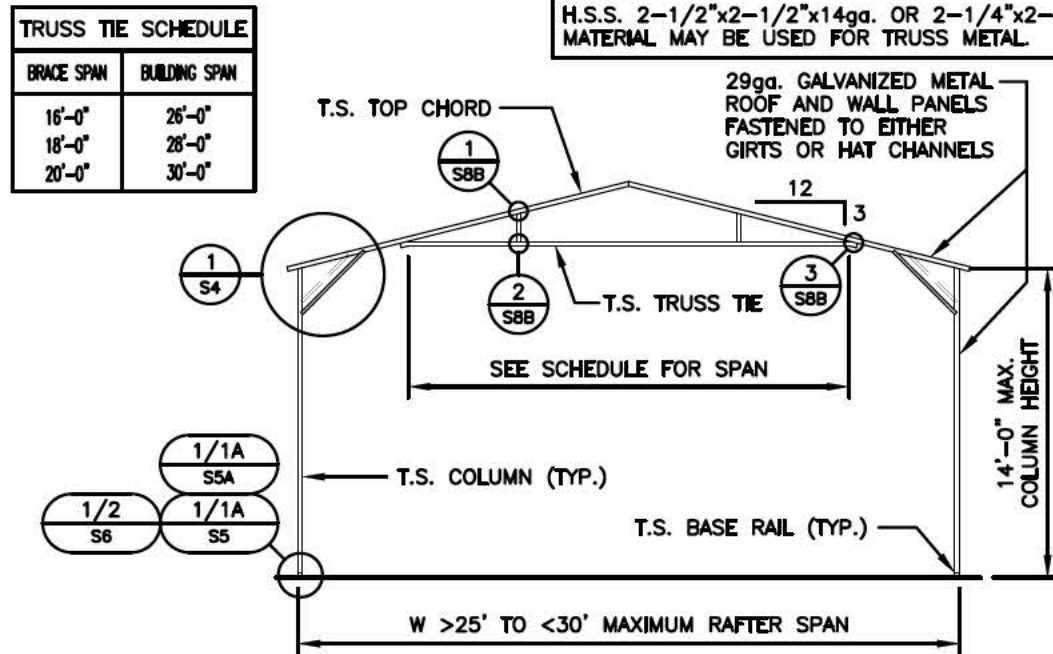


(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS

(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS

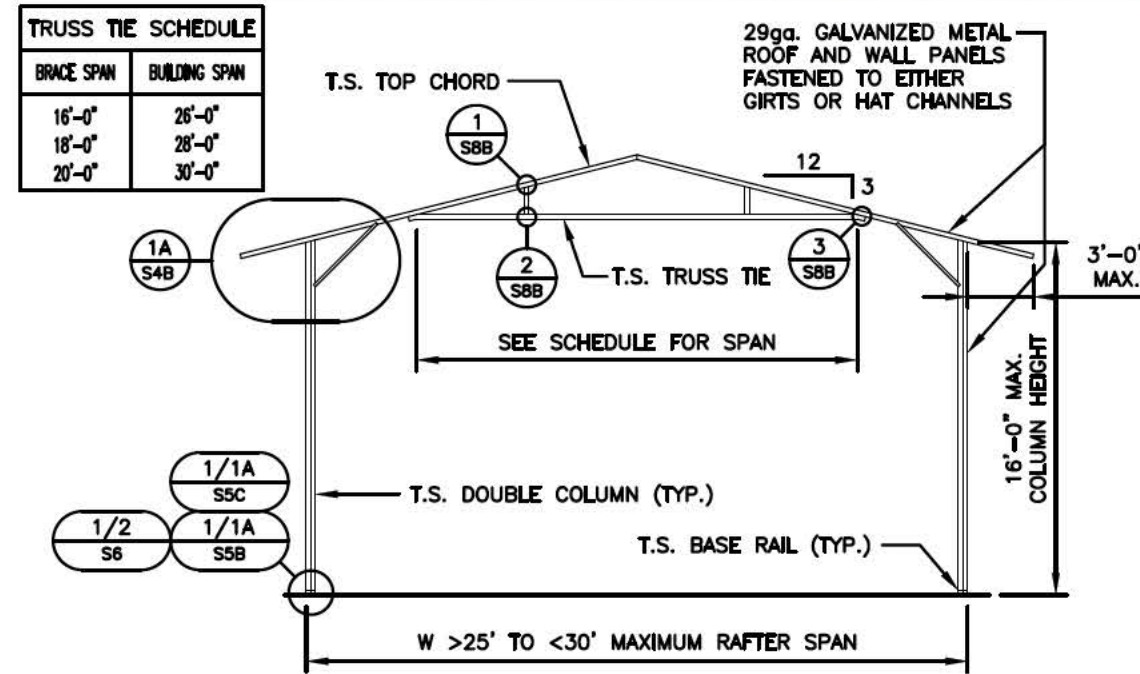


TYPICAL RAFTER / COLUMN FRAME SECTION

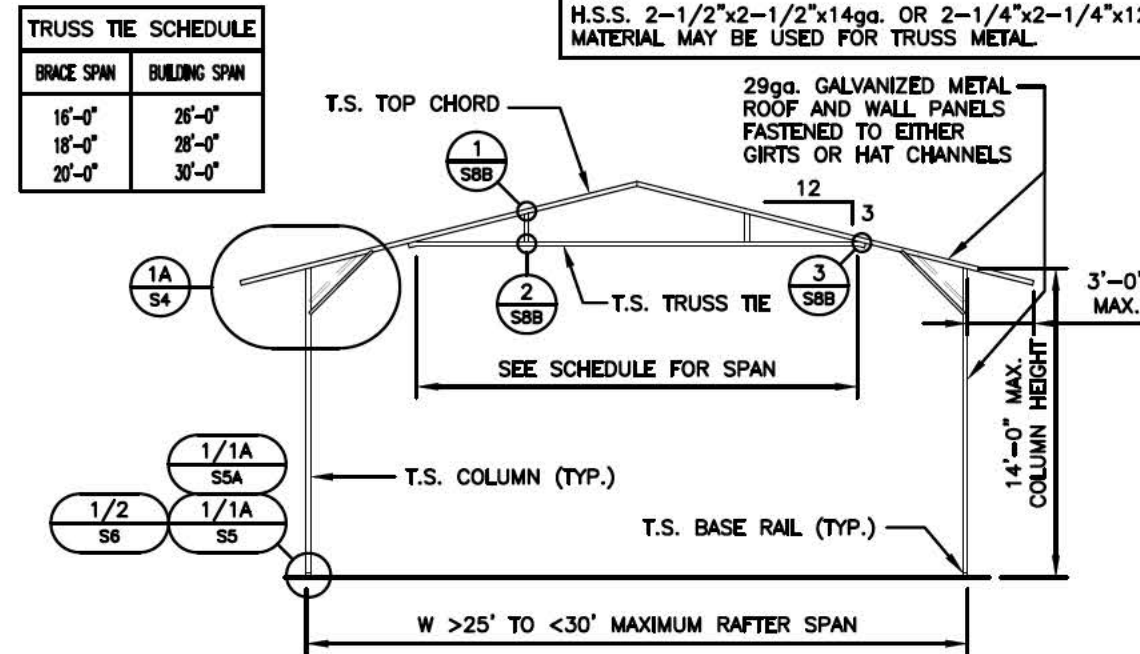


TYPICAL RAFTER / COLUMN FRAME SECTION

(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS (3' SOFFIT)

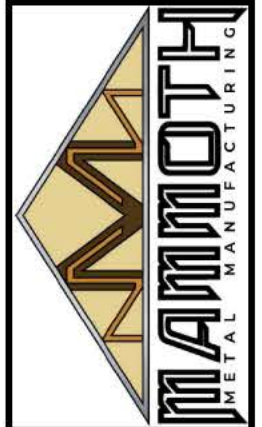


TYPICAL RAFTER / COLUMN FRAME SECTION



TYPICAL RAFTER / COLUMN FRAME SECTION

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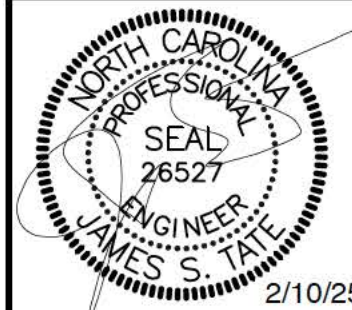


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(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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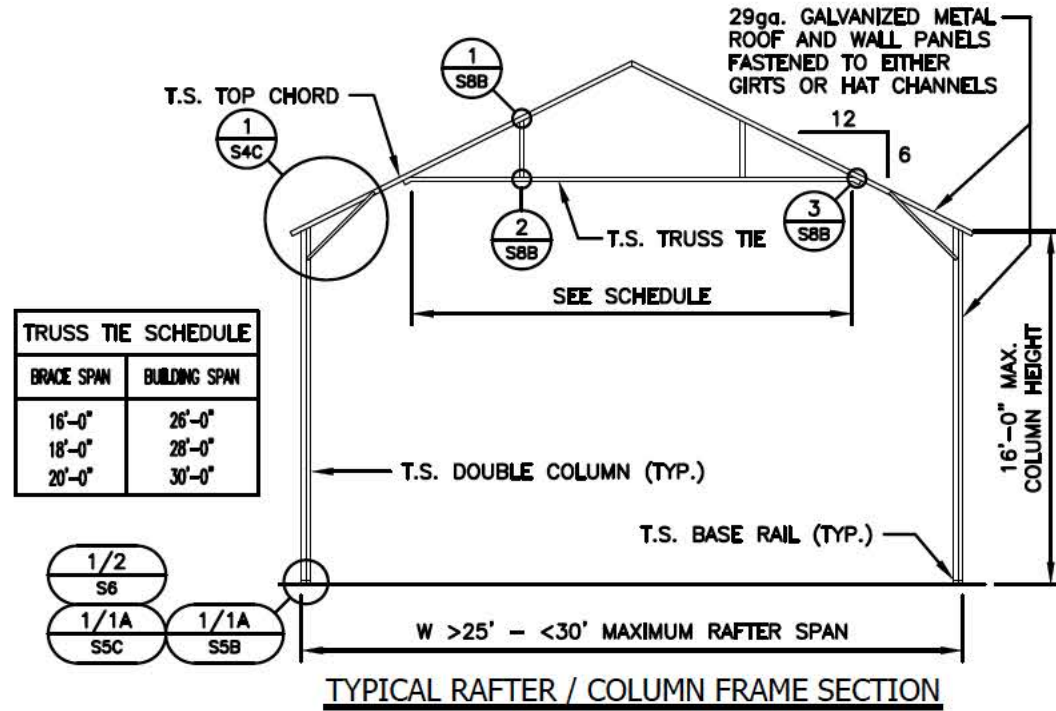
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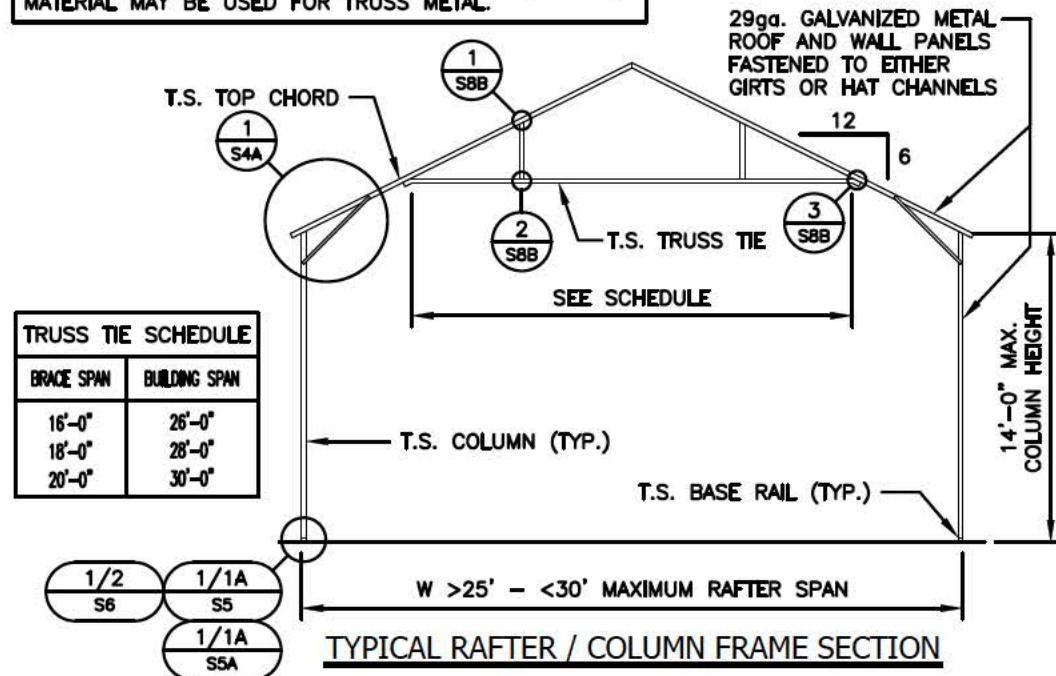
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S2B

(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS

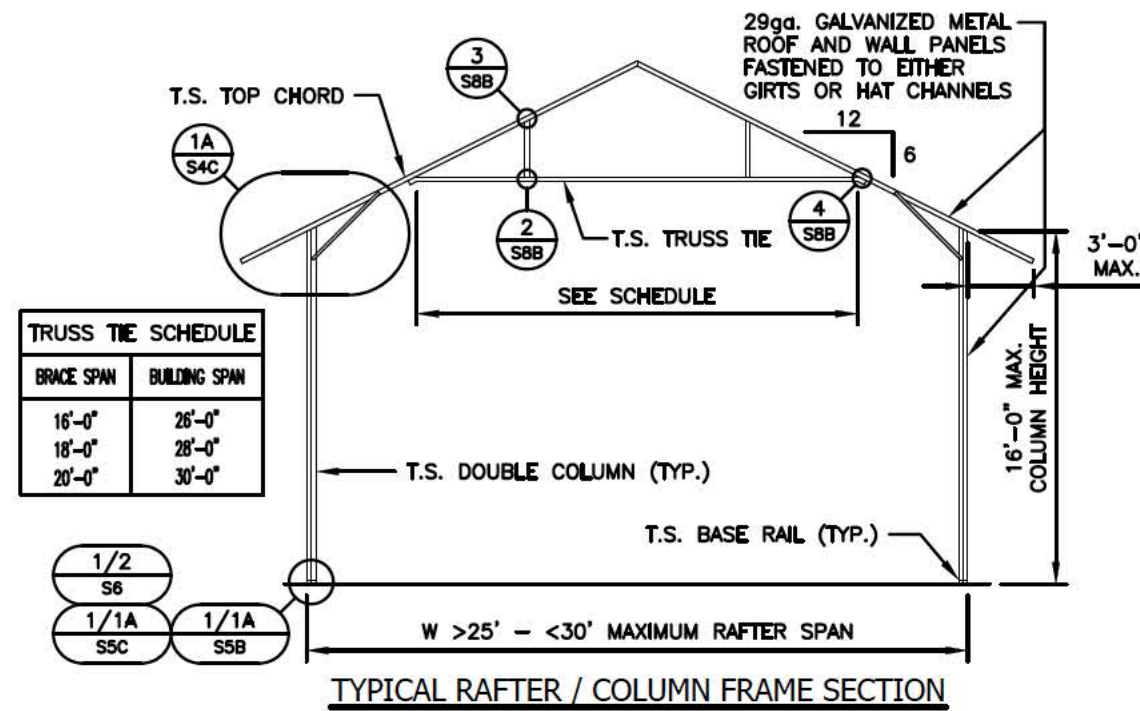
(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS (6:12 PITCH)



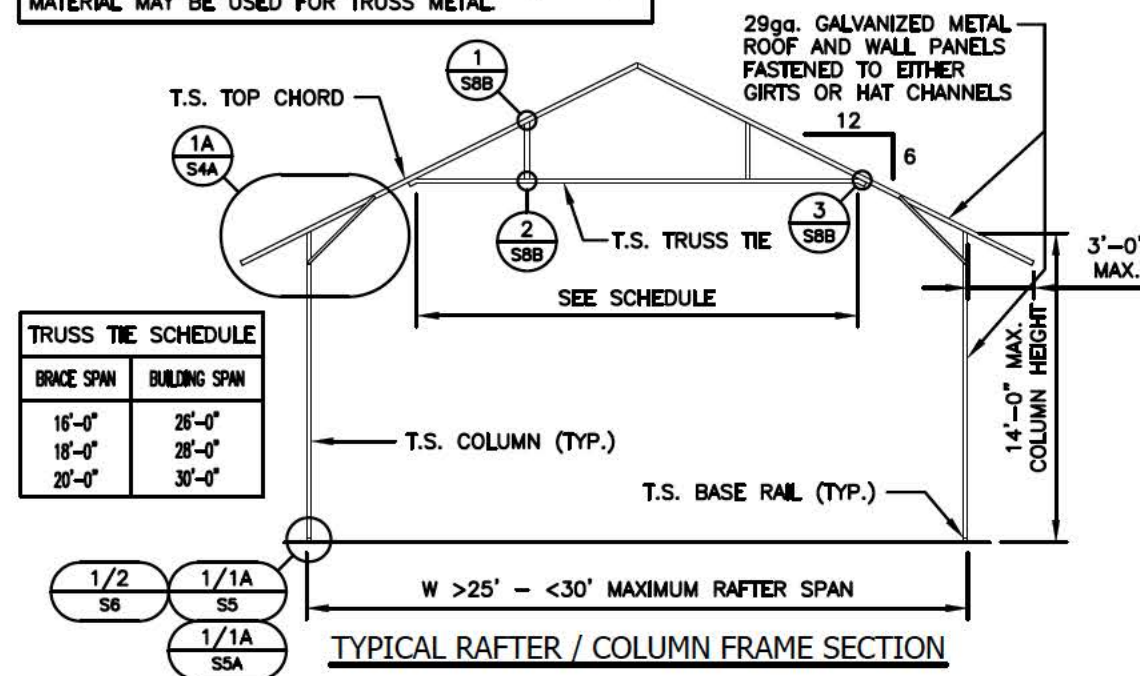
NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.
MATERIAL MAY BE USED FOR TRUSS METAL.



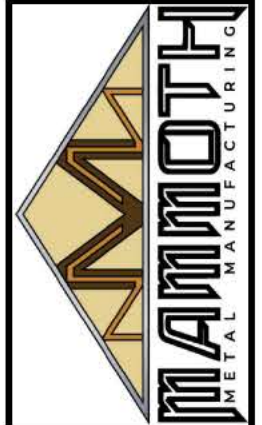
(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS (6:12 PITCH / 3' SOFFIT)



NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.
MATERIAL MAY BE USED FOR TRUSS METAL.



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ENCLOSED GABLE END BUILDING

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(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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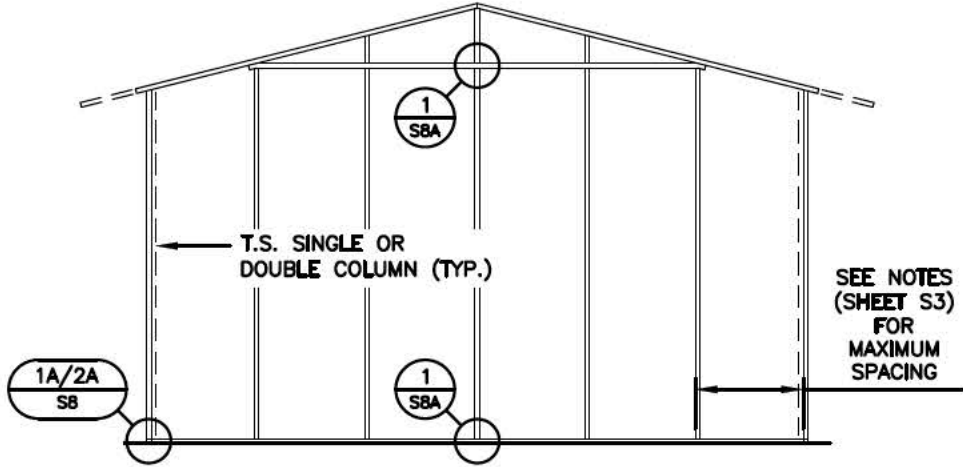


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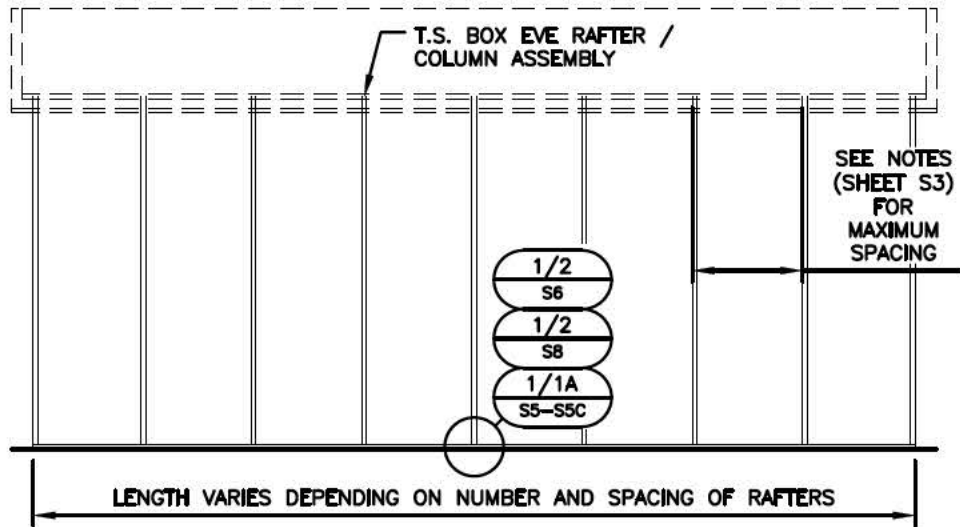
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TYPICAL SIDE / END FRAMING ELEVATIONS



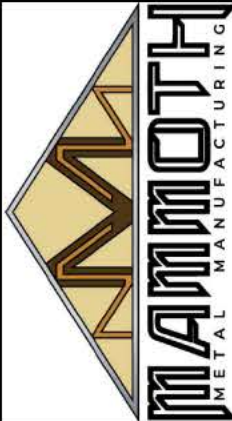
TYPICAL BOX EVE RAFTER / END WALL COLUMN FRAME SECTION

NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.
MATERIAL MAY BE USED FOR TRUSS METAL.



TYPICAL RAFTER / COLUMN SIDE FRAME SECTION

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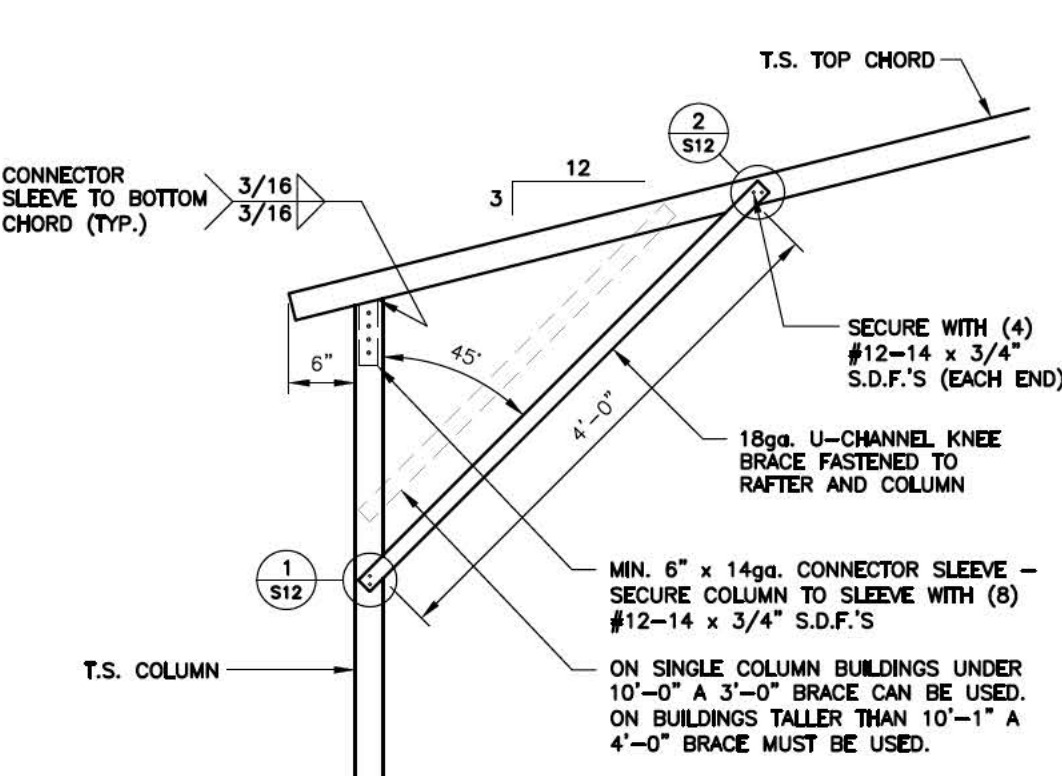
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Sheet No.
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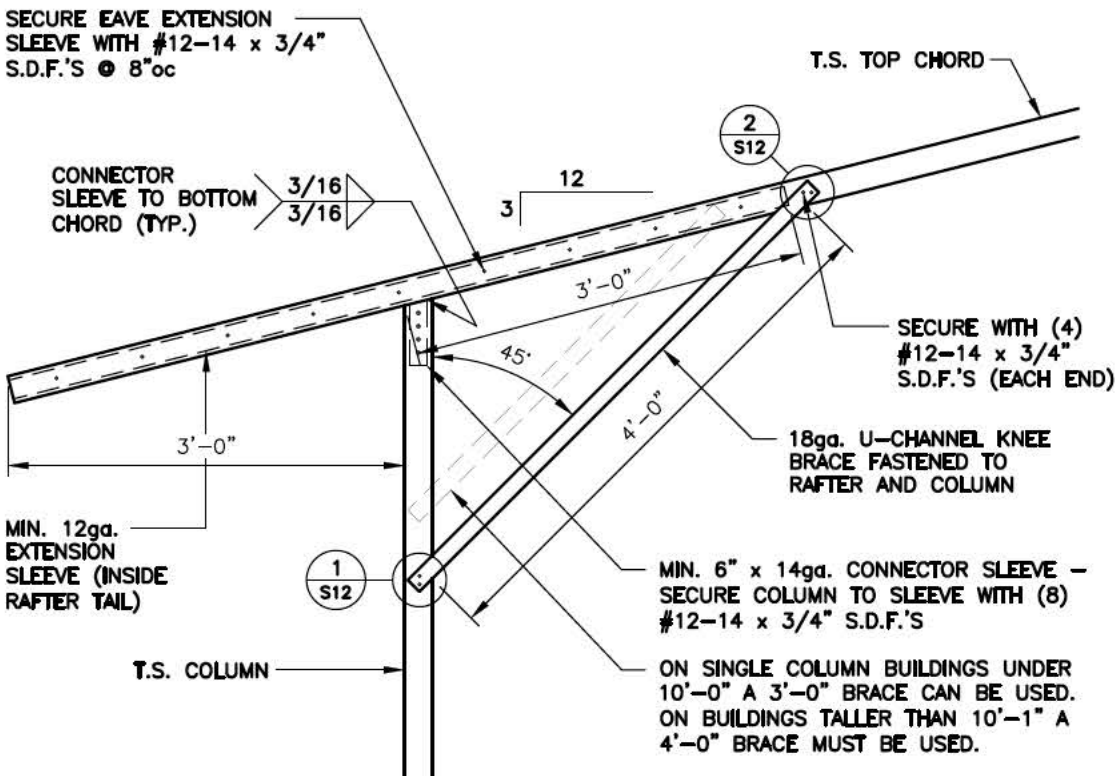
SINGLE COLUMN OPTION



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS <14'-0"

1
S4

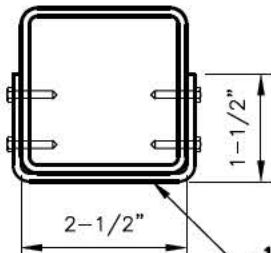
SCALE: 3/4" = 1'-0"



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS <14'-0" (3' SOFFIT)

1A
S4

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



BRACE
SECTION

18ga. U-CHANNEL BRACE FASTENED
TO THE COLUMN AND BOTTOM CHORD,
WITH #12-14 x 3/4" S.D.F.'S AT
EACH END AS SHOWN IN ELEVATION.

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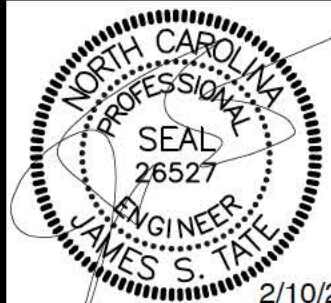


ENCLOSED GABLE END BUILDING

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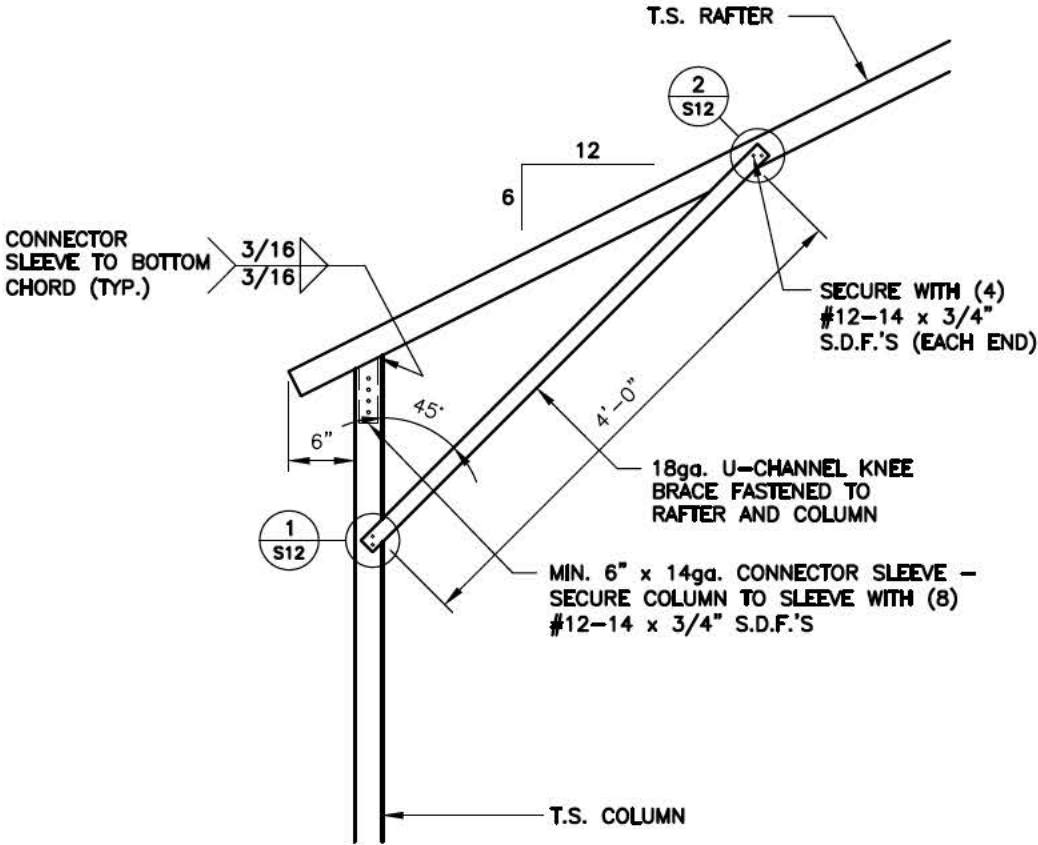


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Sheet No.
S4

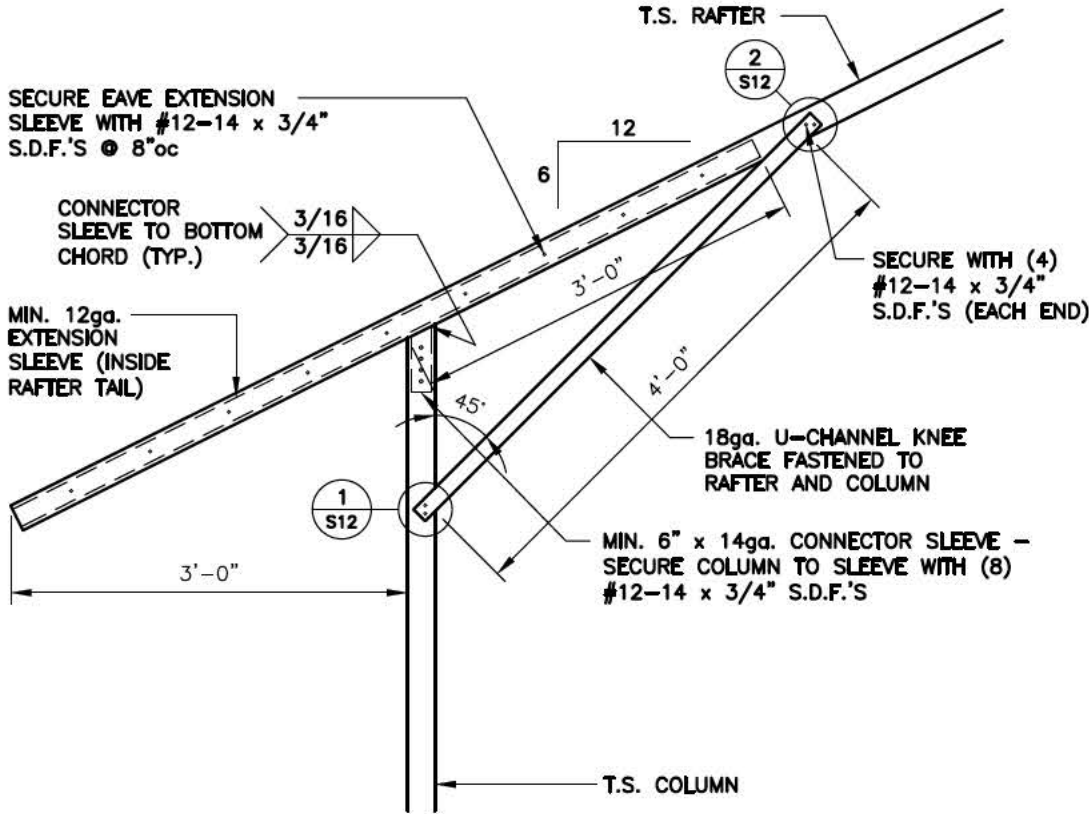
SINGLE COLUMN OPTION



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS <14'-0" (6:12 PITCH)

1
S4A

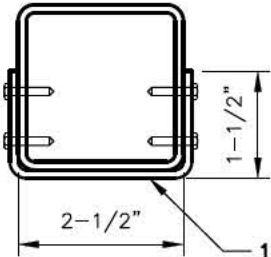
SCALE: 3/4" = 1'-0"



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS <14'-0" (6:12 PITCH / 3' SOFFIT)

1A
S4A

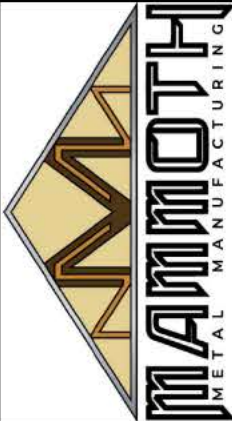
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BRACE
SECTION

18ga. U-CHANNEL BRACE FASTENED
TO THE COLUMN AND BOTTOM CHORD,
WITH #12-14 x 3/4" S.D.F.'S AT
EACH END AS SHOWN IN ELEVATION.

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ENCLOSED GABLE END BUILDING

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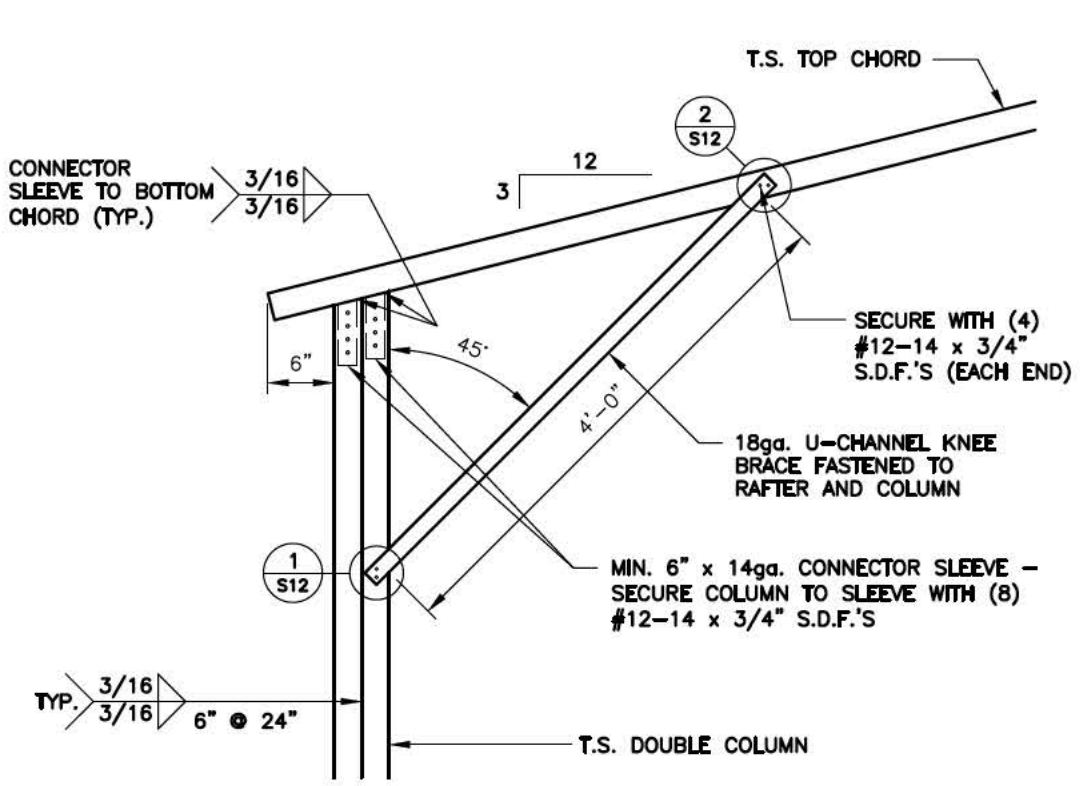
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Sheet No.
S4A



2/10/25 v1.1

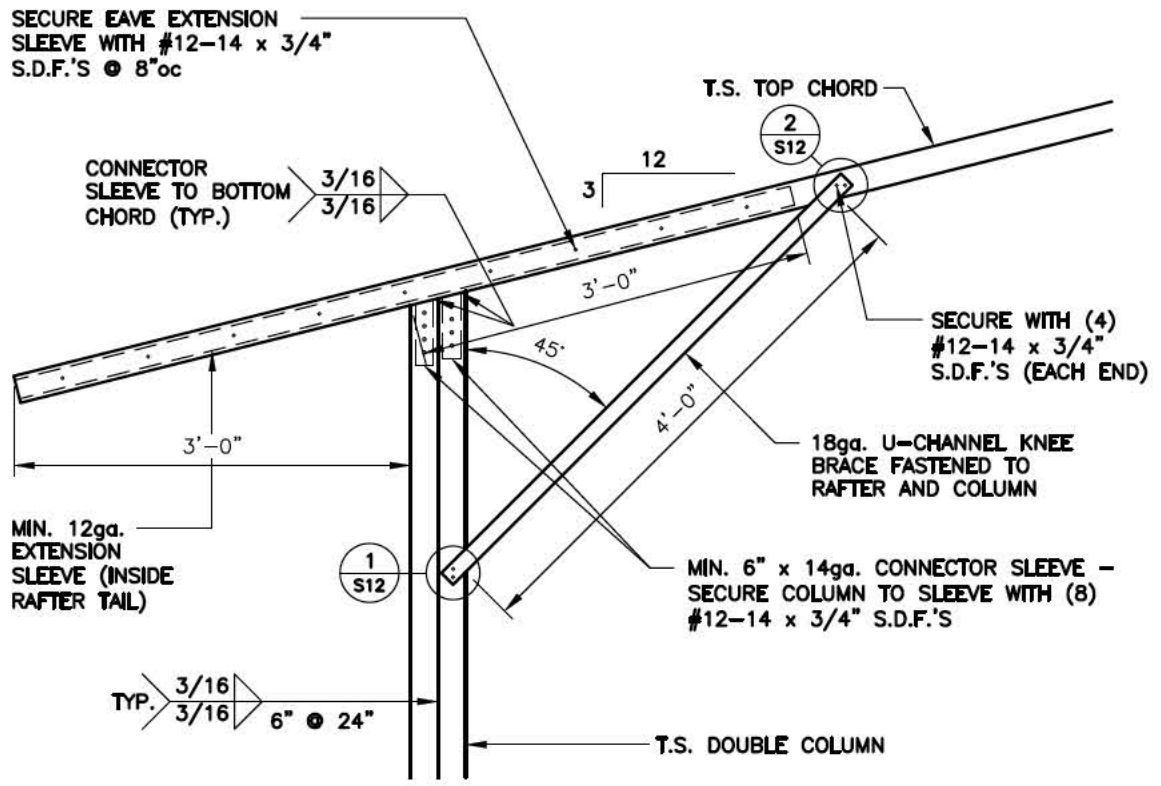
DOUBLE COLUMN OPTION



BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS >14'-1" TO <16'-0"

1
S4B

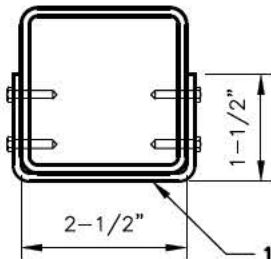
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BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS >14'-1" TO <16'-0" (3' SOFFIT)

1A
S4B

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



BRACE SECTION

18ga. U-CHANNEL BRACE FASTENED TO THE COLUMN AND BOTTOM CHORD, WITH #12-14 x 3/4" S.D.F.'S AT EACH END AS SHOWN IN ELEVATION.

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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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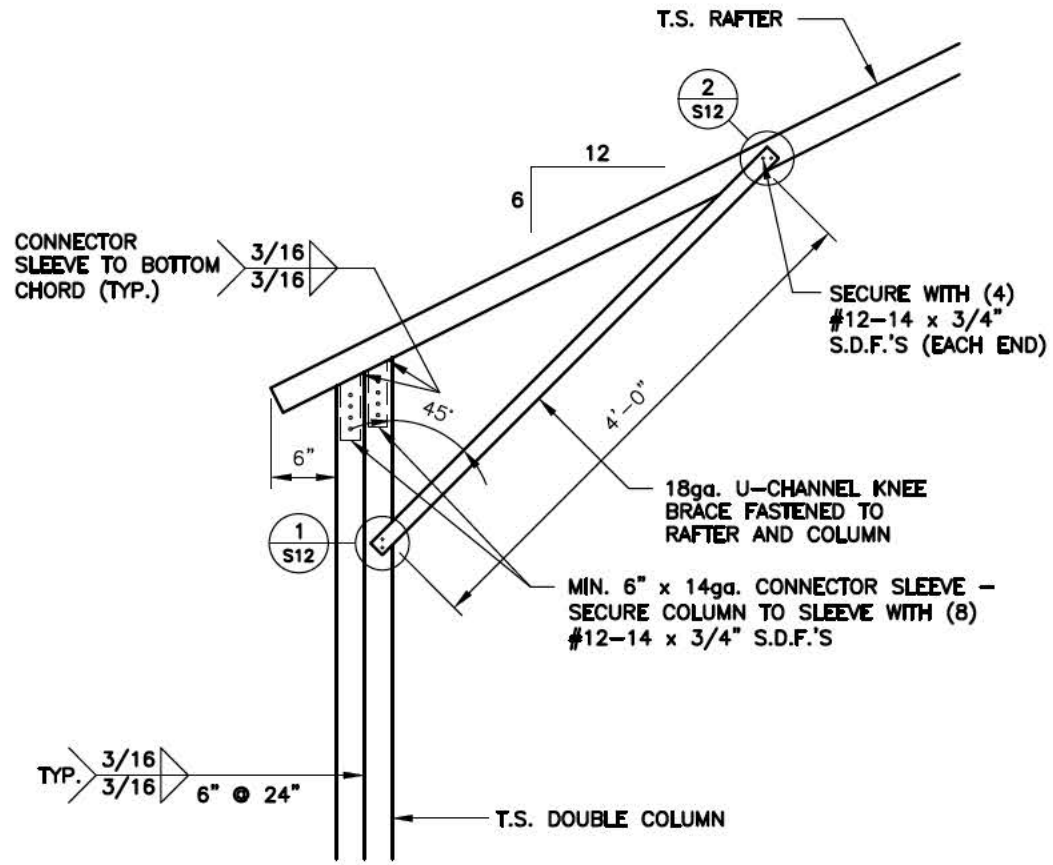


2/10/25 v1.1

Project No.
25-501

Sheet No.
S4B

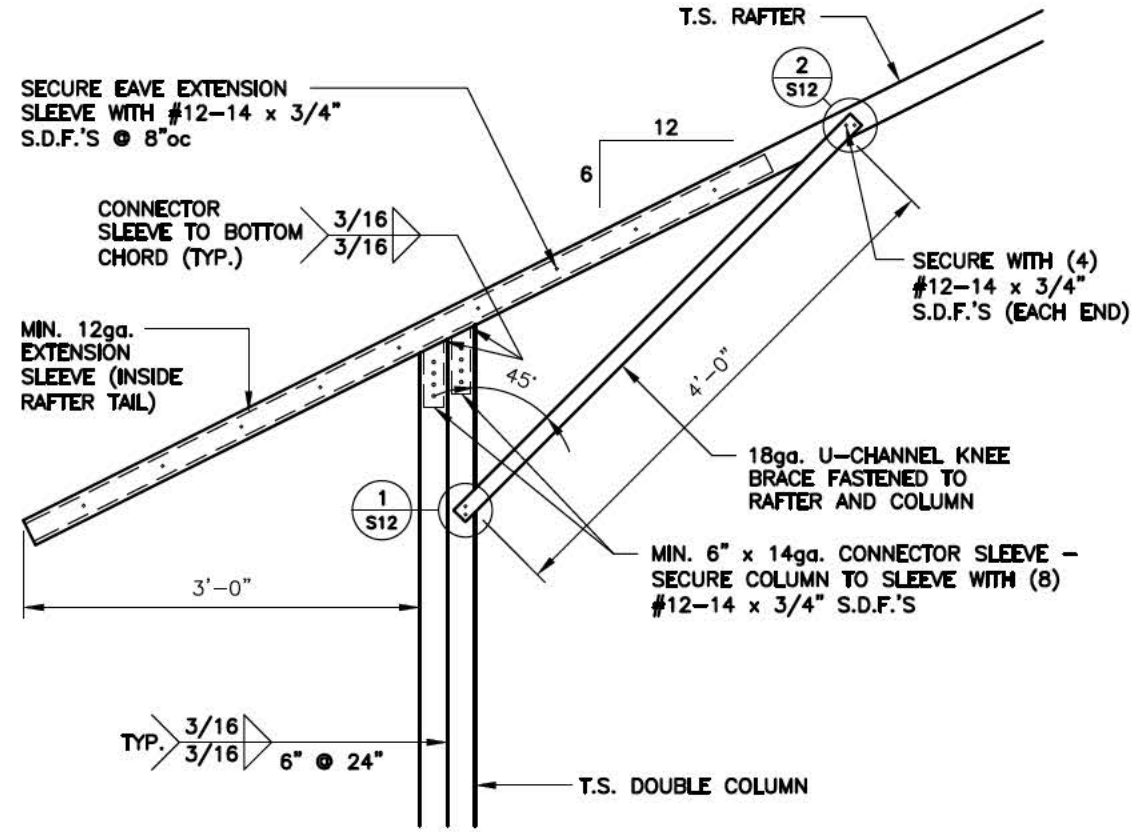
DOUBLE COLUMN OPTIONS



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS >14'-1" TO <16'-0" (6:12 PITCH)

1
S4C

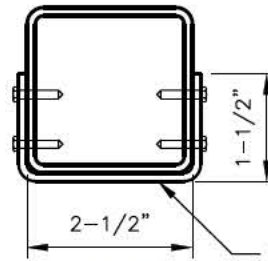
SCALE: $3/4" = 1'-0"$



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS >14'-0" TO <16'-0" (6:12 PITCH / 3' SOFFIT)

1A
S4C

SCALE: $\frac{3}{4}'' = 1'-0''$

BRACE
SECTION

18ga. U-CHANNEL BRACE FASTENED
TO THE COLUMN AND BOTTOM CHORD,
WITH #12-14 x 3/4" S.D.F.'S AT
EACH END AS SHOWN IN ELEVATION.



ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

Project No.
25-501

Sheet No.
S4C

Date: 02-10-2025

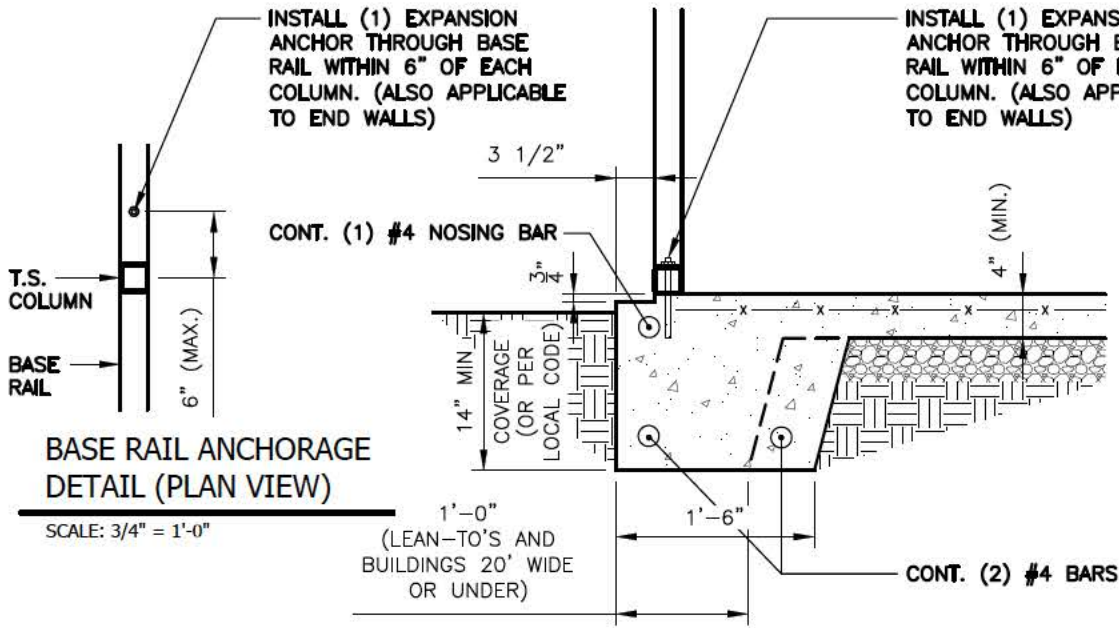
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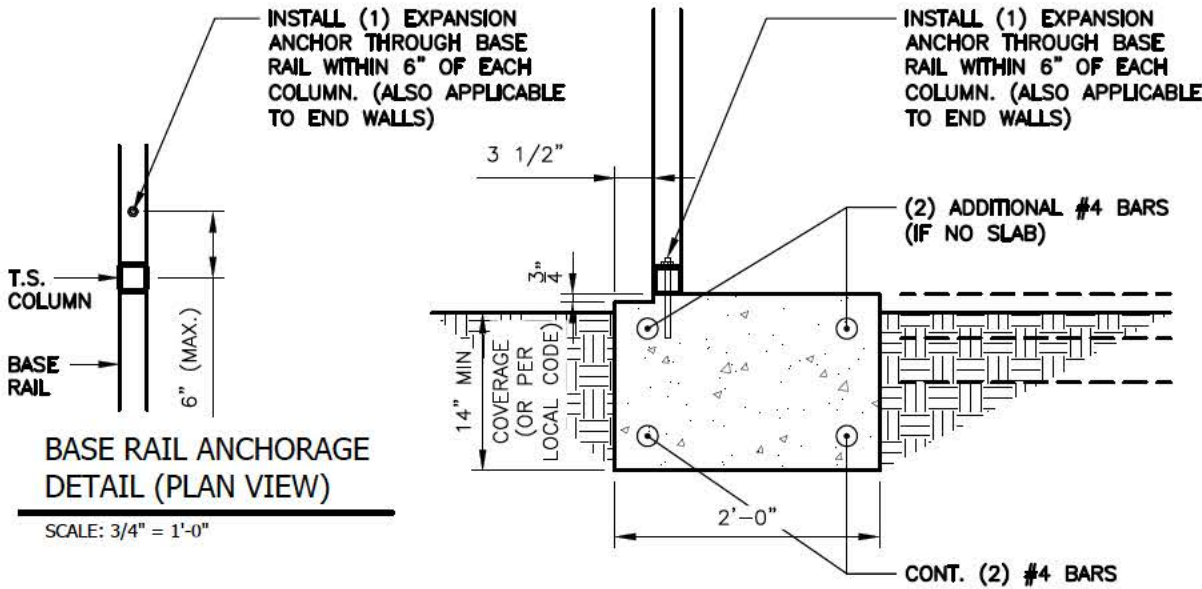
2/10/25 VI.1

SINGLE COLUMN OPTIONS

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



1 BASE RAIL ANCHORAGE DETAIL
S5 SCALE: 3/4" = 1'-0"



1A BASE RAIL ANCHORAGE DETAIL (NO SLAB)
S5 SCALE: 3/4" = 1'-0"

GENERAL NOTES:

ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 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.

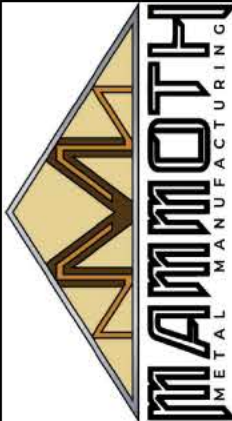
REINFORCING STEEL:

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 THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

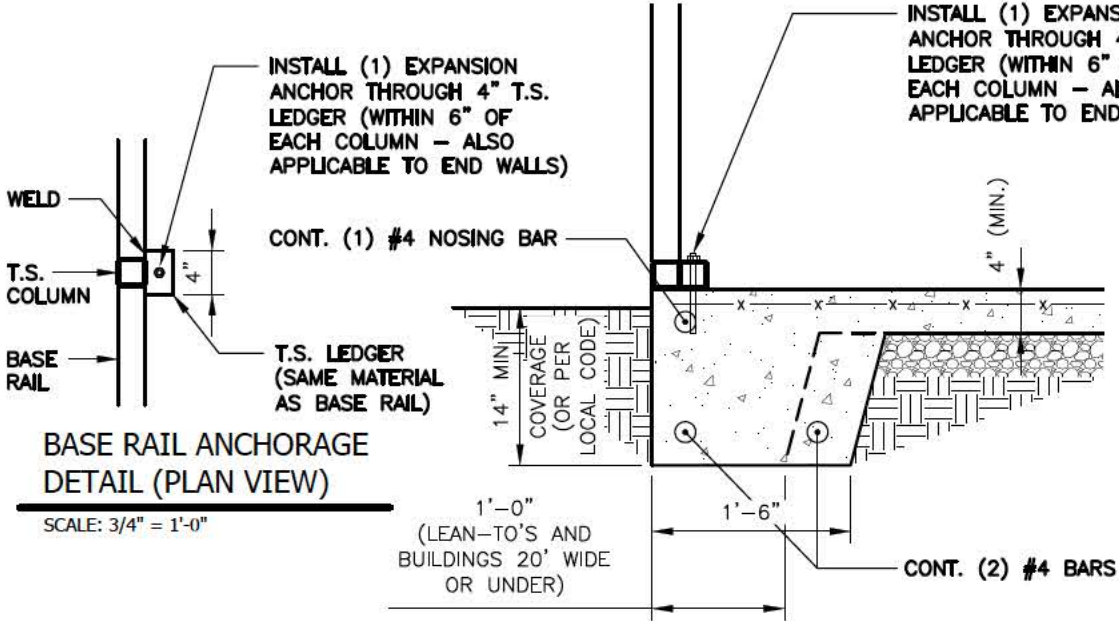
Date:
02-10-2025

Revisions:
-

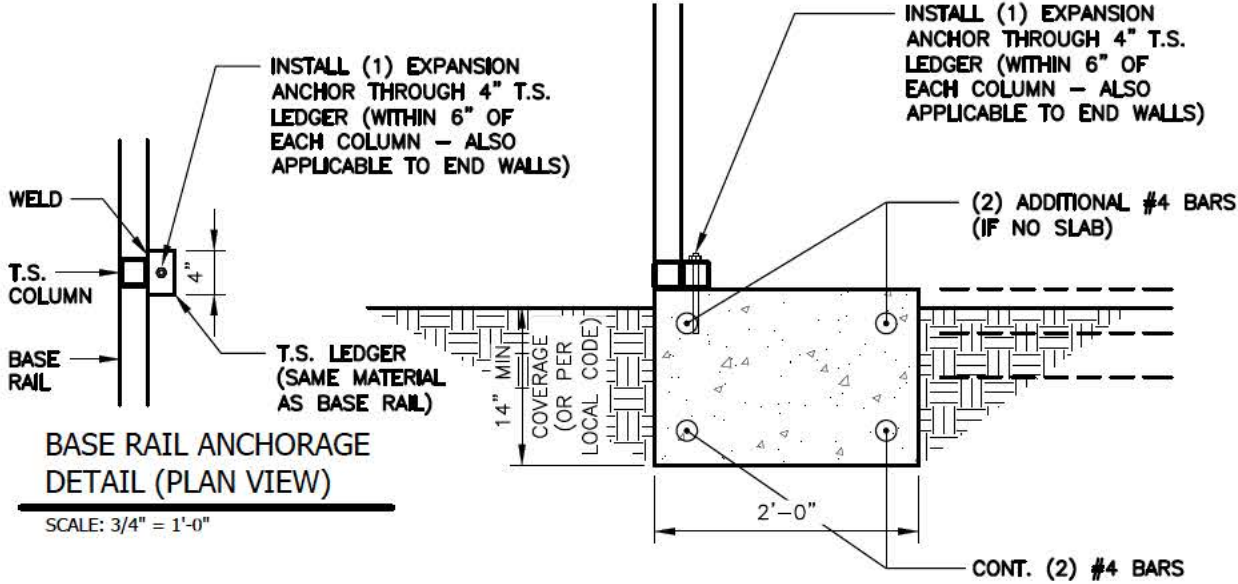


SINGLE COLUMN OPTIONS - NO SIDING LEDGE

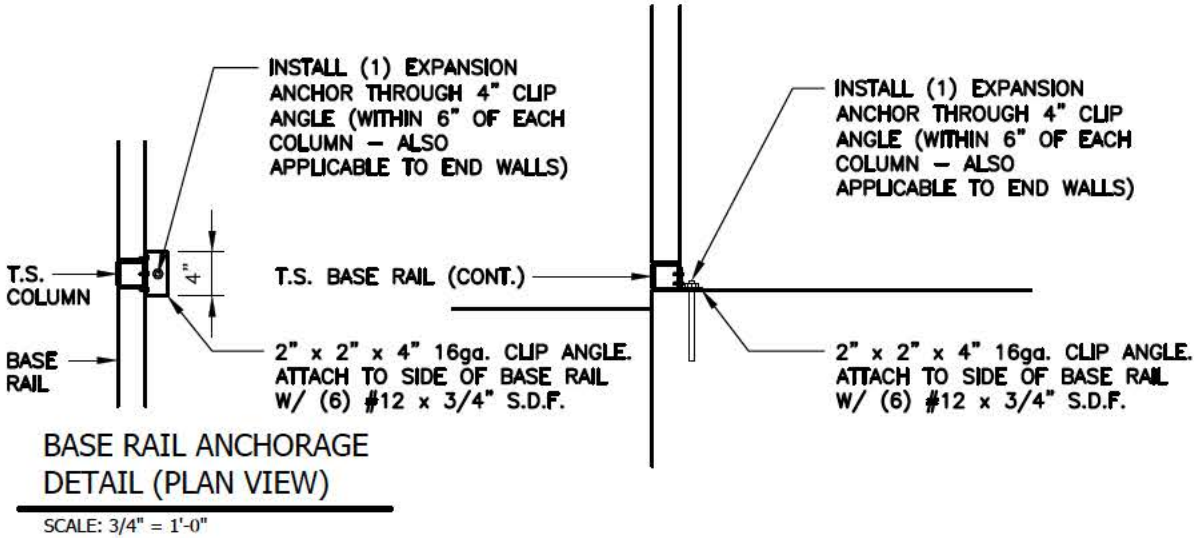
ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



1 BASE RAIL ANCHORAGE DETAIL
S5A SCALE: 3/4" = 1'-0"



1A BASE RAIL ANCHORAGE DETAIL (NO SLAB)
S5A SCALE: 3/4" = 1'-0"



2 (ALTERNATE) BASE RAIL ANCHORAGE DETAIL
S5A SCALE: 3/4" = 1'-0"

GENERAL NOTES:

ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 P.S.F.

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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 THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

Project No.
25-501

Date:
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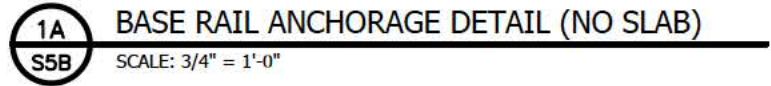
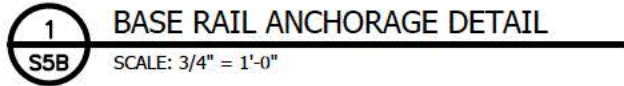
Revisions:
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Sheet No.
S5A



2/10/25 VI.1

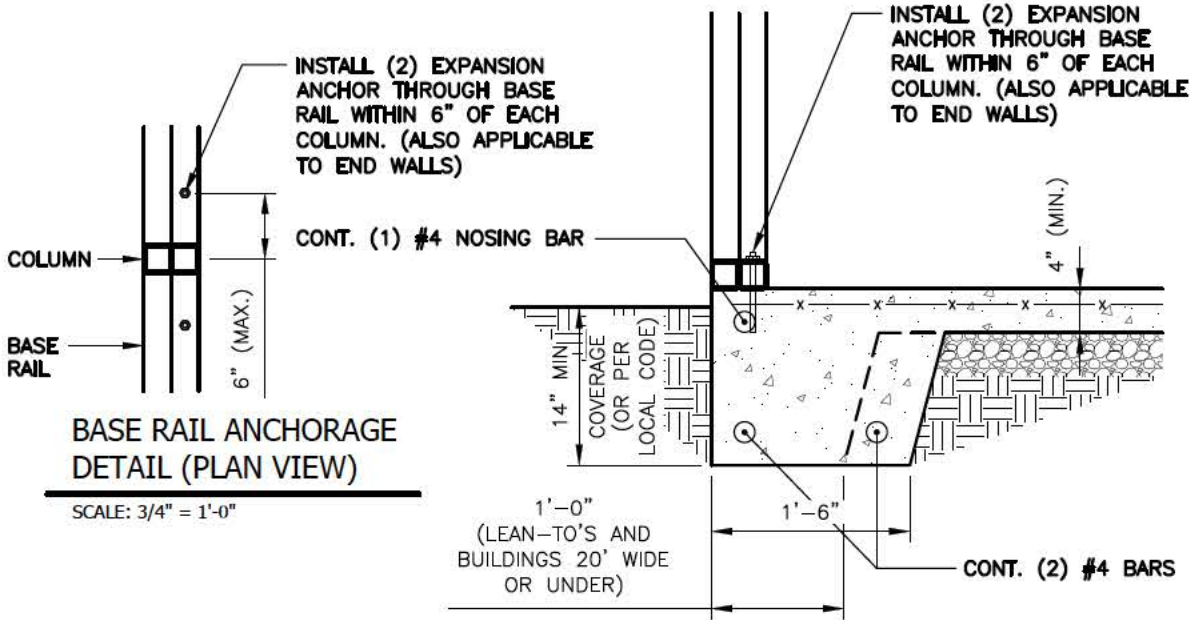
ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



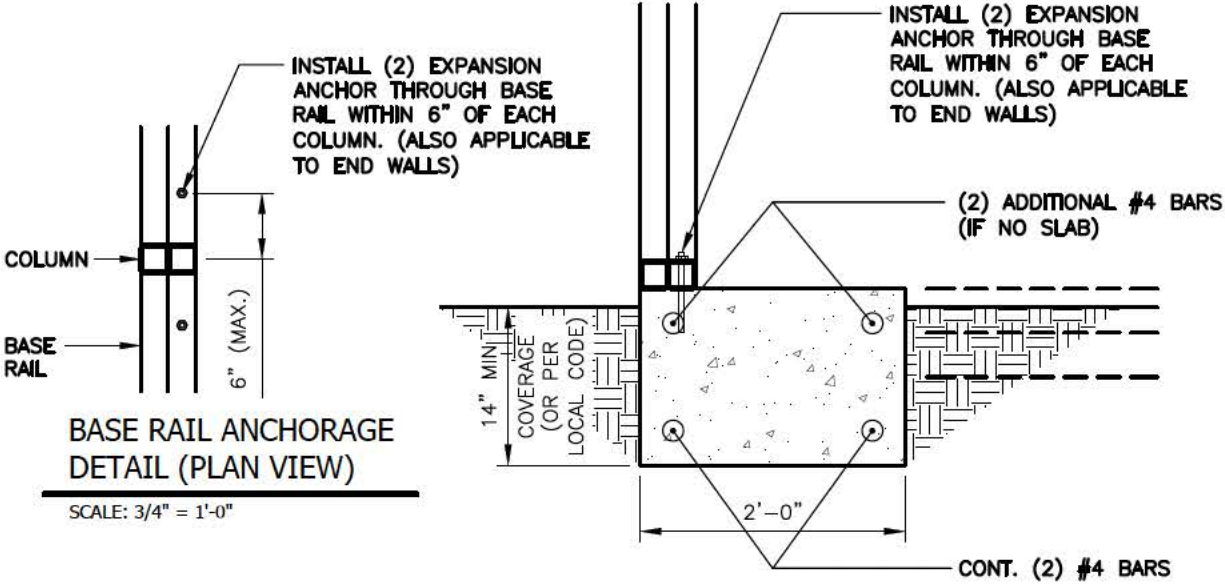
1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

DOUBLE COLUMN OPTIONS - NO SIDING LEDGE

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



1 BASE RAIL ANCHORAGE DETAIL
S5C SCALE: 3/4" = 1'-0"



1A BASE RAIL ANCHORAGE DETAIL (NO SLAB)
S5C SCALE: 3/4" = 1'-0"

GENERAL NOTES:

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3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

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ENCLOSED GABLE END BUILDING

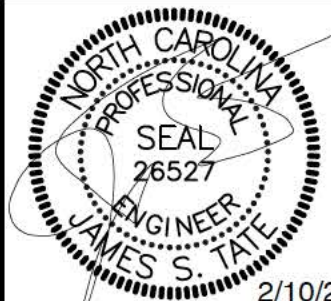
MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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25-501

Sheet No.
S5C

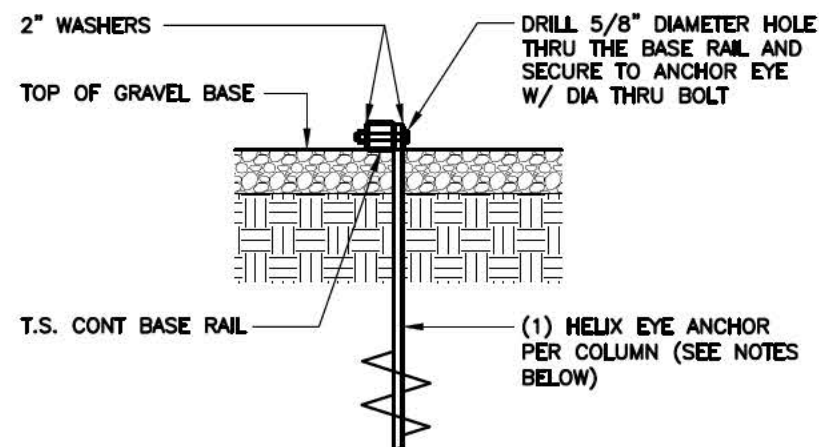
Date:
02-10-2025

Revisions:
-



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ALTERNATE ANCHORAGE OPTIONS



1
S6 BASE RAIL ANCHORAGE DETAIL
SCALE: 3/4" = 1'-0"

HELIX EMBEDMENT INFORMATION:

FOR VERY DENSE OR CEMETED SANDS, COARSE GRAVEL, COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, USE MIN. (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT - ONE EACH END BASE RAIL AND 25'oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

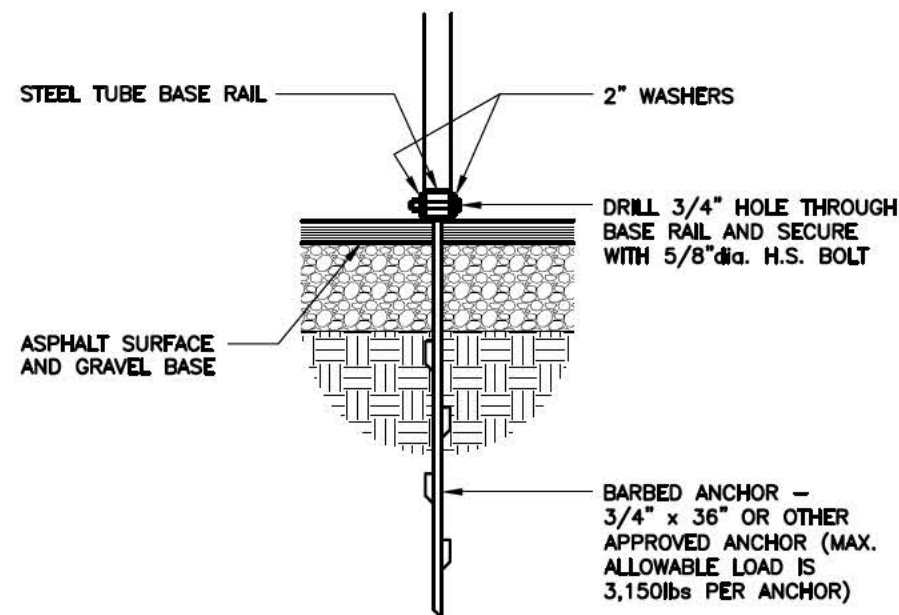
FOR CORAL, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT - ONE EACH END BASE RAIL AND 25'oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR MED DENSE COARSE SANDS, SANDY GRAVEL, VERY STIFF SILTS, AND CLAYS, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT - ONE EACH END BASE RAIL AND 25'oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS, USE MIN (2) 6" HELICES WITH MINIMUM 50" EMBEDMENT - ONE EACH END BASE RAIL AND 25'oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS AND ALLUVIAL FILL, USE MIN (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT - ONE EACH END BASE RAIL AND 25'oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

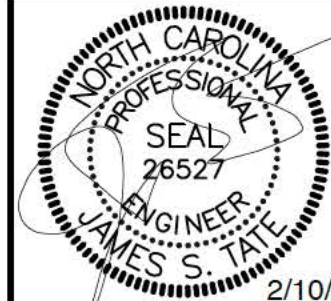
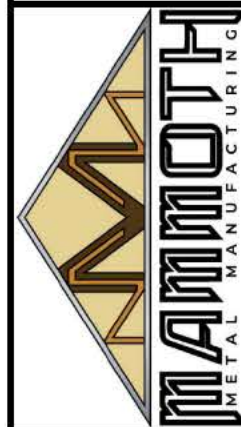
NOTE:
IN ALL CASES, IF FROST DEPTH EXCEEDS STATED DEPTH,
ANCHOR SHOULD EXTEND A MIN. OF 12" BELOW FROST LINE.



2
S6 ASPHALT / BASE RAIL ANCHORAGE DETAIL
SCALE: 3/4" = 1'-0"

NOTE:
IN ALL CASES, IF FROST DEPTH EXCEEDS STATED DEPTH,
ANCHOR SHOULD EXTEND A MIN. OF 12" BELOW FROST LINE.

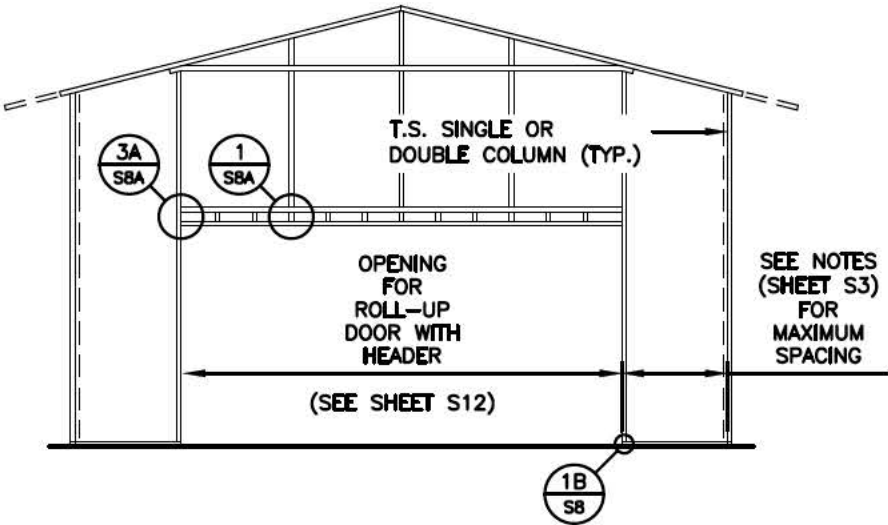
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Pilot Mountain, NC 27041
336-399-6277



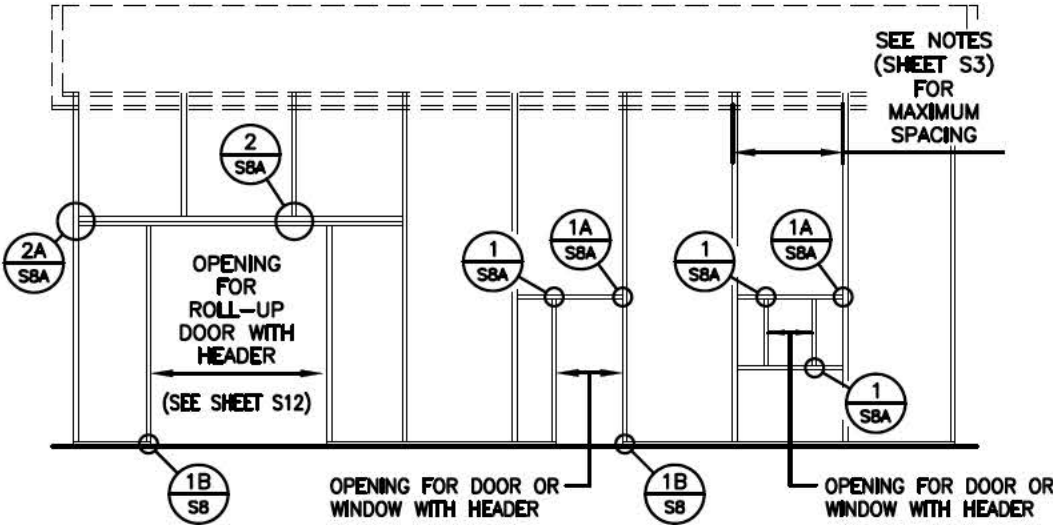
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TYPICAL SIDE / END WALL OPENING FRAMING SECTIONS

NOTE:
ROLL UP DOORS SHALL HAVE ONE JAMB
EACH SIDE + ONE FRAME COLUMN BETWEEN
OR SITE SPECIFIC SHALL BE REQ'D.

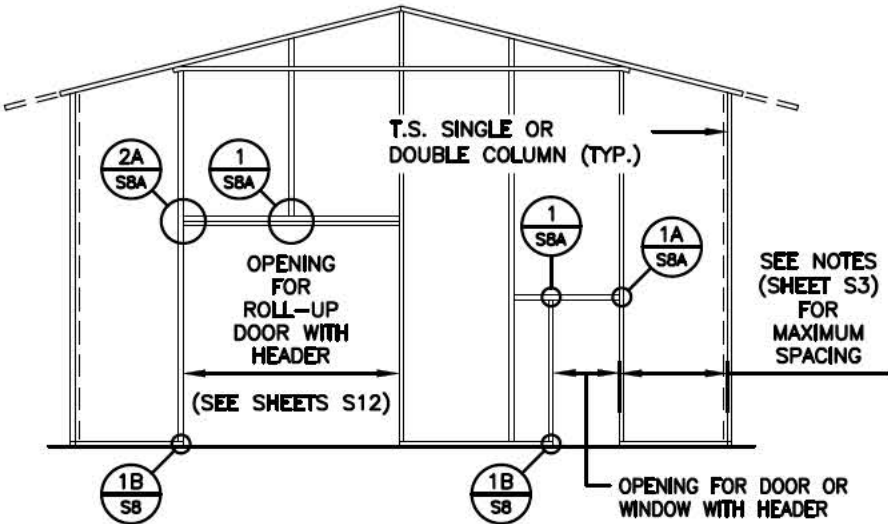


TYPICAL END WALL FRAMING SECTION

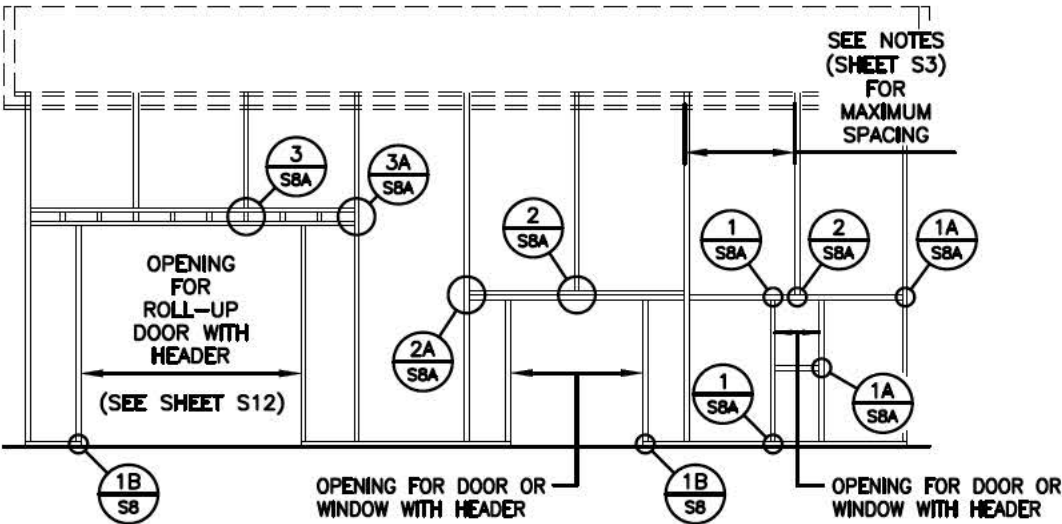


TYPICAL SIDE WALL OPENING FRAMING SECTION

NOTE:
ROLL UP DOORS SHALL HAVE ONE JAMB
EACH SIDE + ONE FRAME COLUMN BETWEEN
OR SITE SPECIFIC SHALL BE REQ'D.

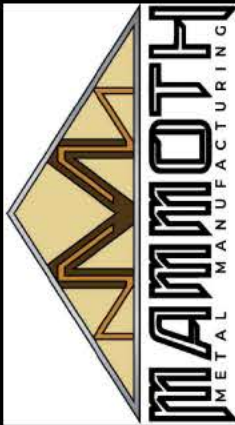


TYPICAL END WALL FRAMING SECTION



TYPICAL SIDE WALL OPENING FRAMING SECTION

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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

Date:
02-10-2025

Revisions:
-

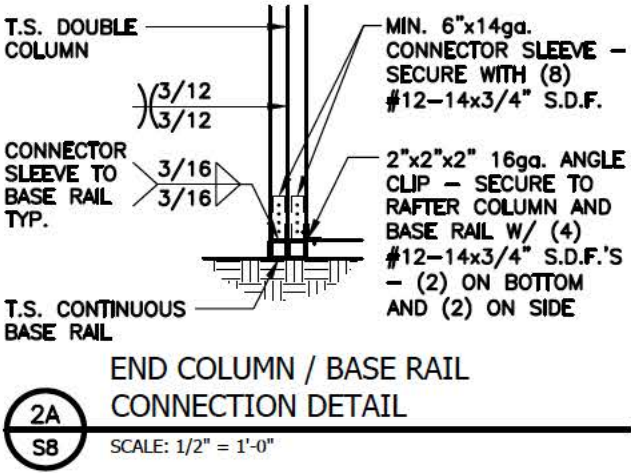
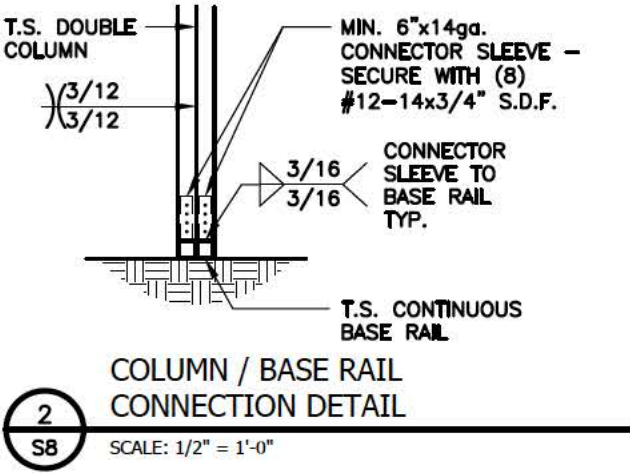
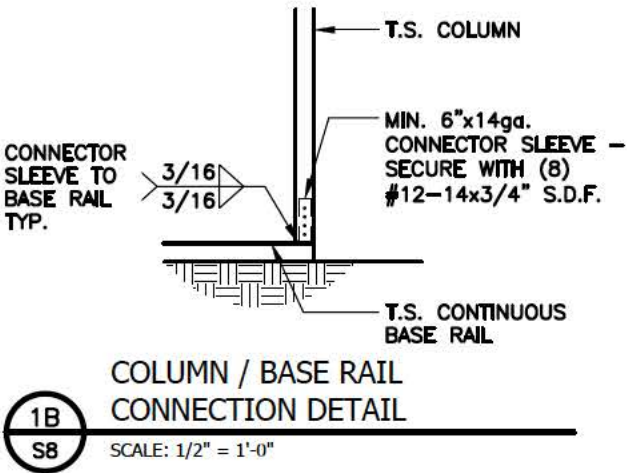
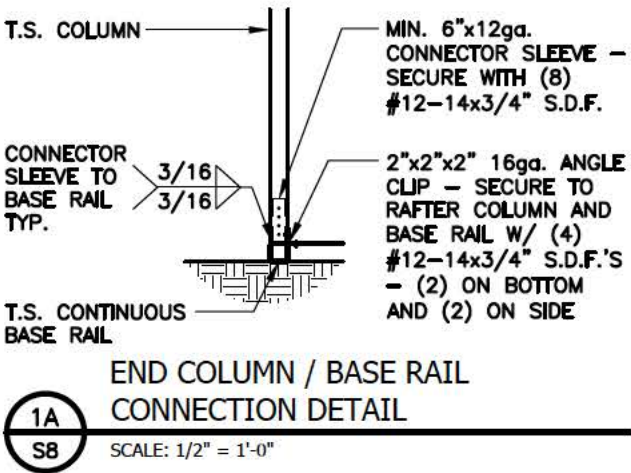
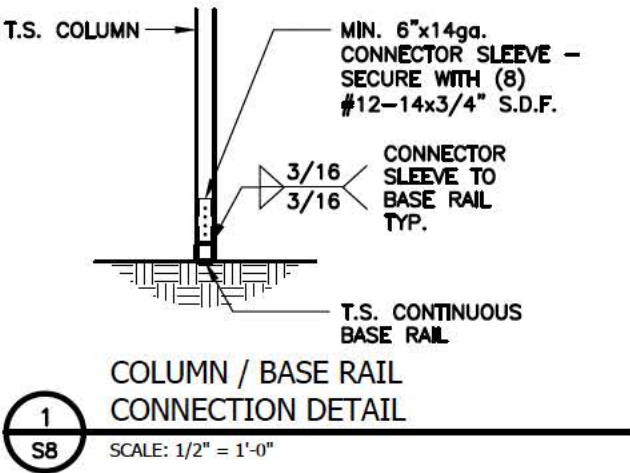


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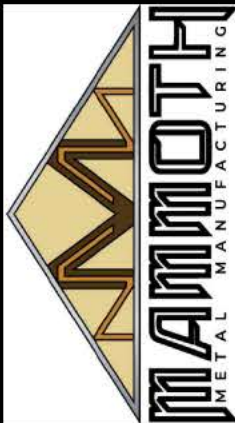
Project No.
25-501

Sheet No.
S7

BASE RAIL CONNECTION DETAILS



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ENCLOSED GABLE END BUILDING

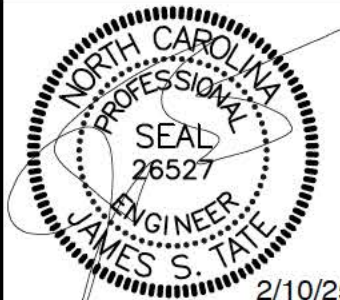
MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

Project No.
25-501

Sheet No.
S8

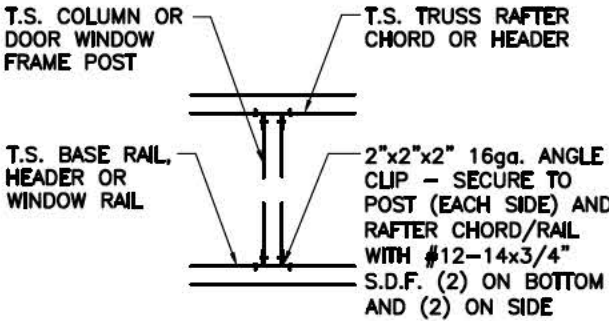
Date:
02-10-2025

Revisions:
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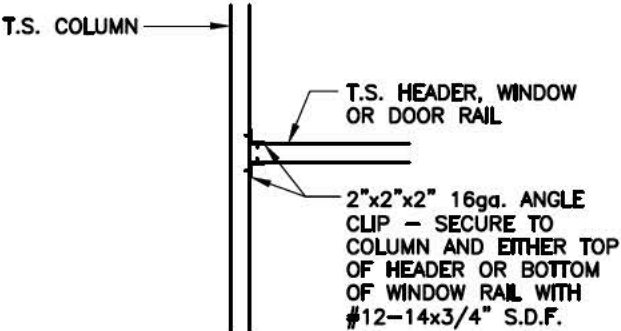


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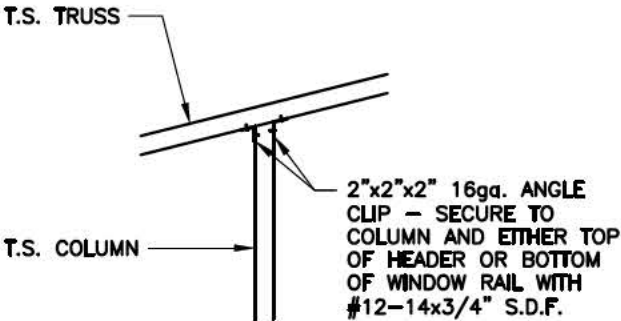
CONNECTION DETAILS



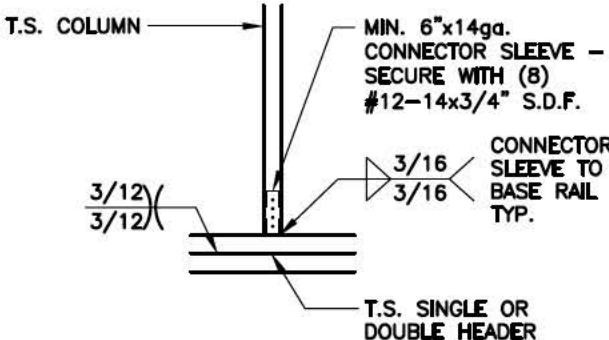
1
S8A
SCALE: 1/2" = 1'-0"



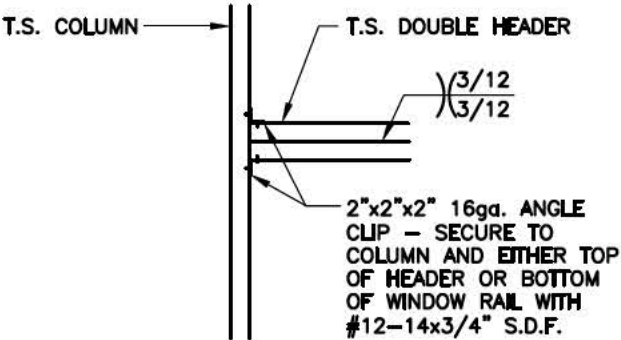
1A
S8A
SCALE: 1/2" = 1'-0"



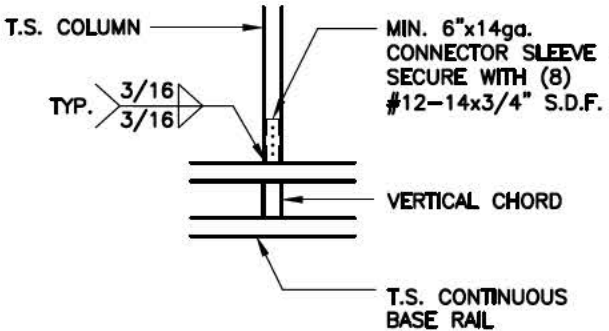
1B
S8A
SCALE: 1/2" = 1'-0"



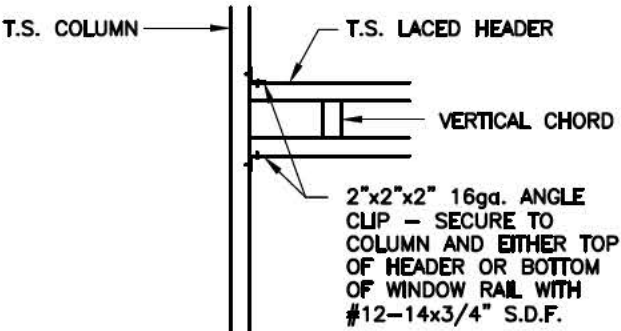
2
S8A
SCALE: 1/2" = 1'-0"



2A
S8A
SCALE: 1/2" = 1'-0"



3
S8A
SCALE: 1/2" = 1'-0"



3A
S8A
SCALE: 1/2" = 1'-0"

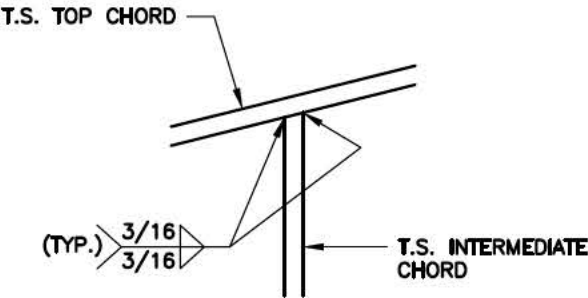
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Pilot Mountain, NC 27041
336-399-6277

MAMOTH
METAL MANUFACTURING

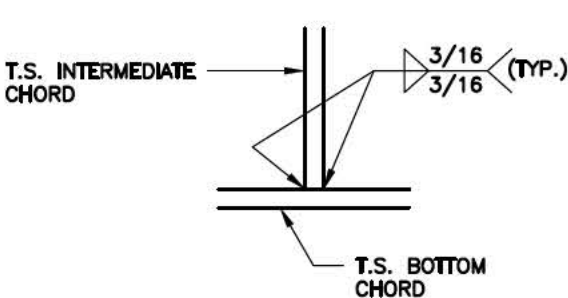
NORTH CAROLINA
PROFESSIONAL
SEAL
26527
ENGINEER
JAMES S. TATE

Project No. 25-501	Sheet No. S8A
ENCLOSED GABLE END BUILDING MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME) (UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)	
Date: 02-10-2025	Revisions: -
2/10/25 VI.1	

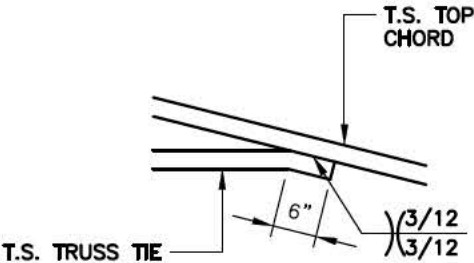
TRUSS CONNECTION DETAILS



1
S8B
INTERMEDIATE CHORD / TOP CHORD CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

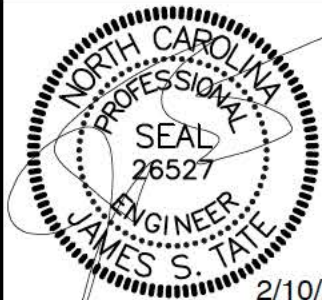
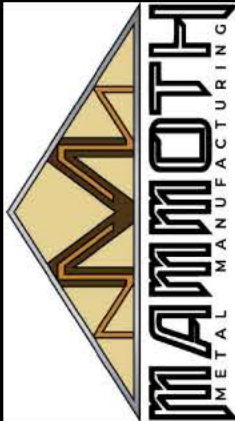


2
S8B
INTERMEDIATE CHORD / BOTTOM CHORD CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



3
S8B
TRUSS TIE / TOP CHORD CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

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Pilot Mountain, NC 27041
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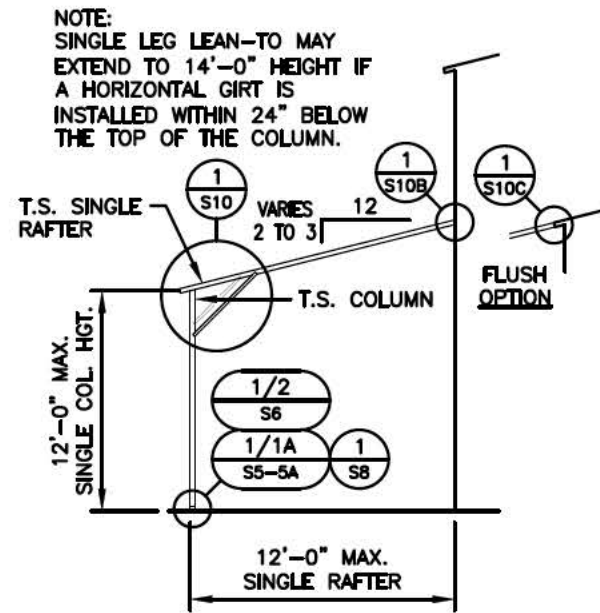


ENCLOSED GABLE END BUILDING
MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

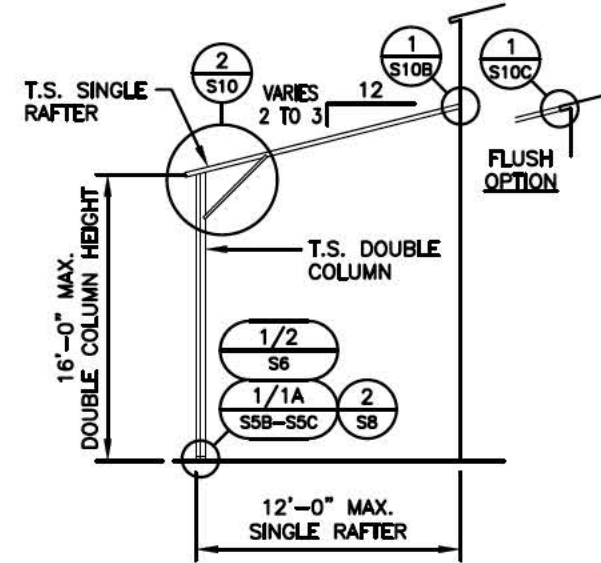
Date:
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Revisions:
-

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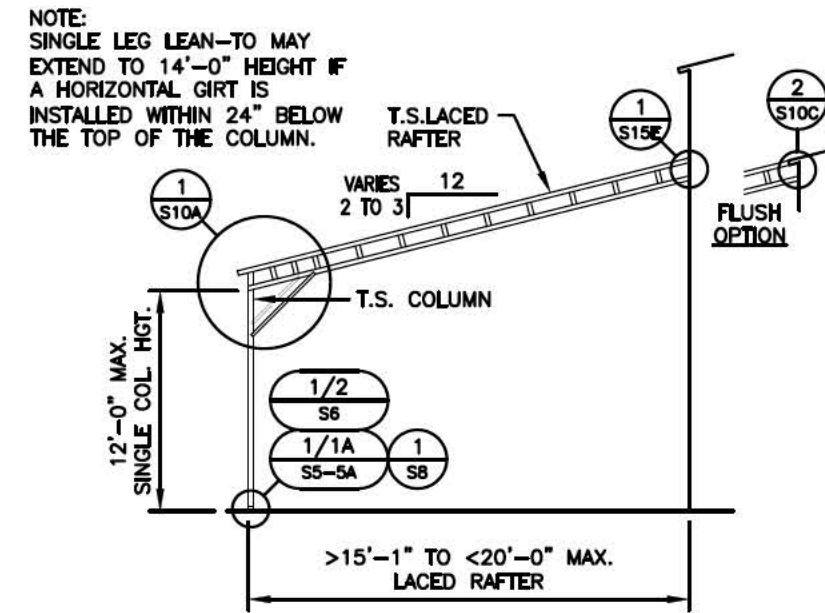
LEAN-TO FRAMING OPTIONS



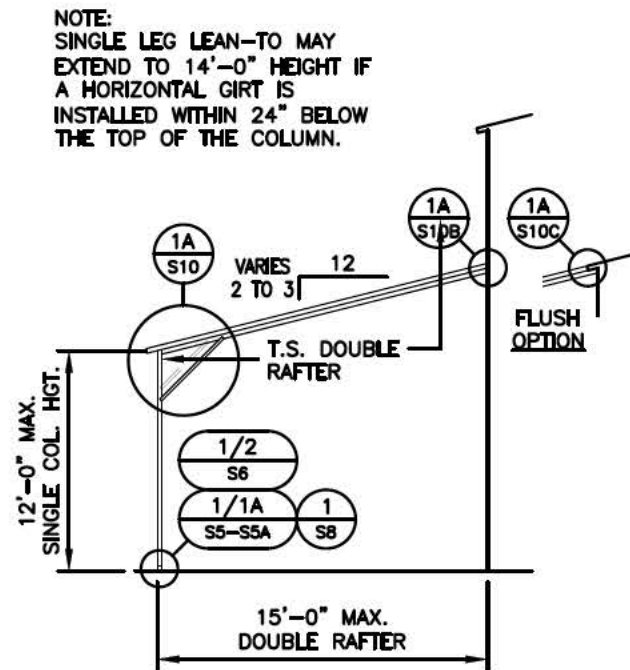
**SINGLE RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION**



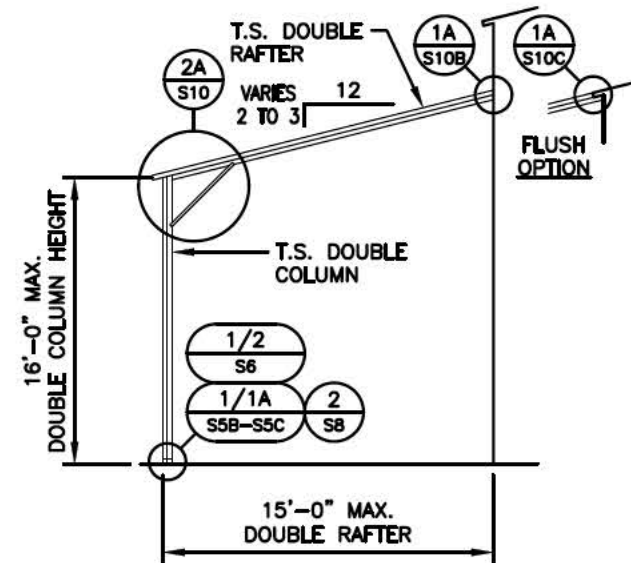
**SINGLE RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION**



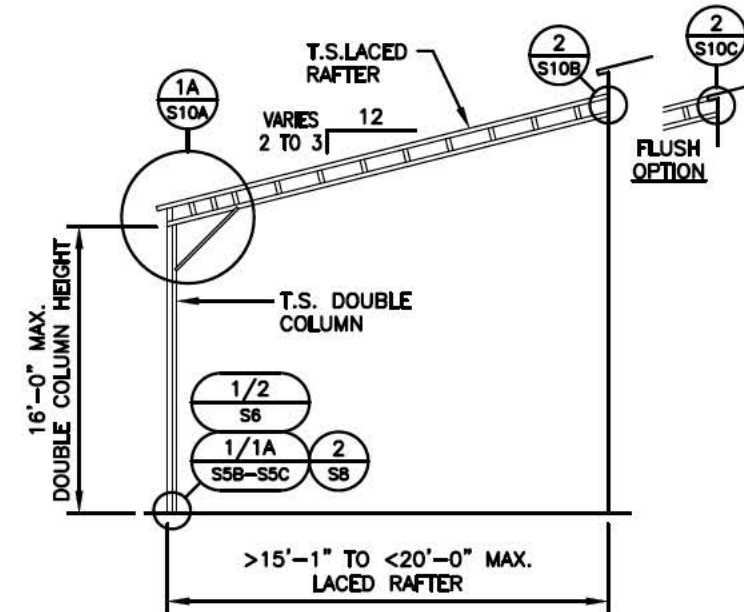
**LACED RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION**



**DOUBLE RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION**

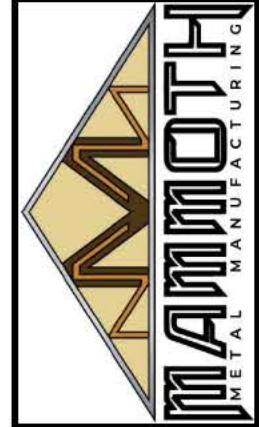


**DOUBLE RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION**



**LACED RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION**

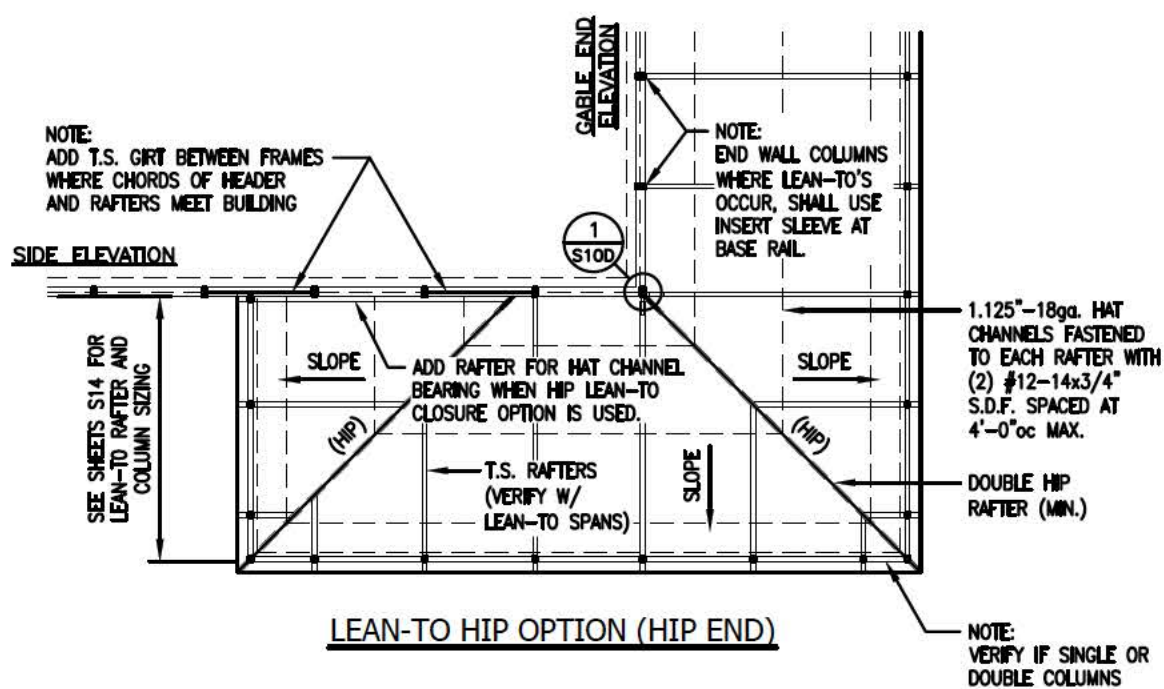
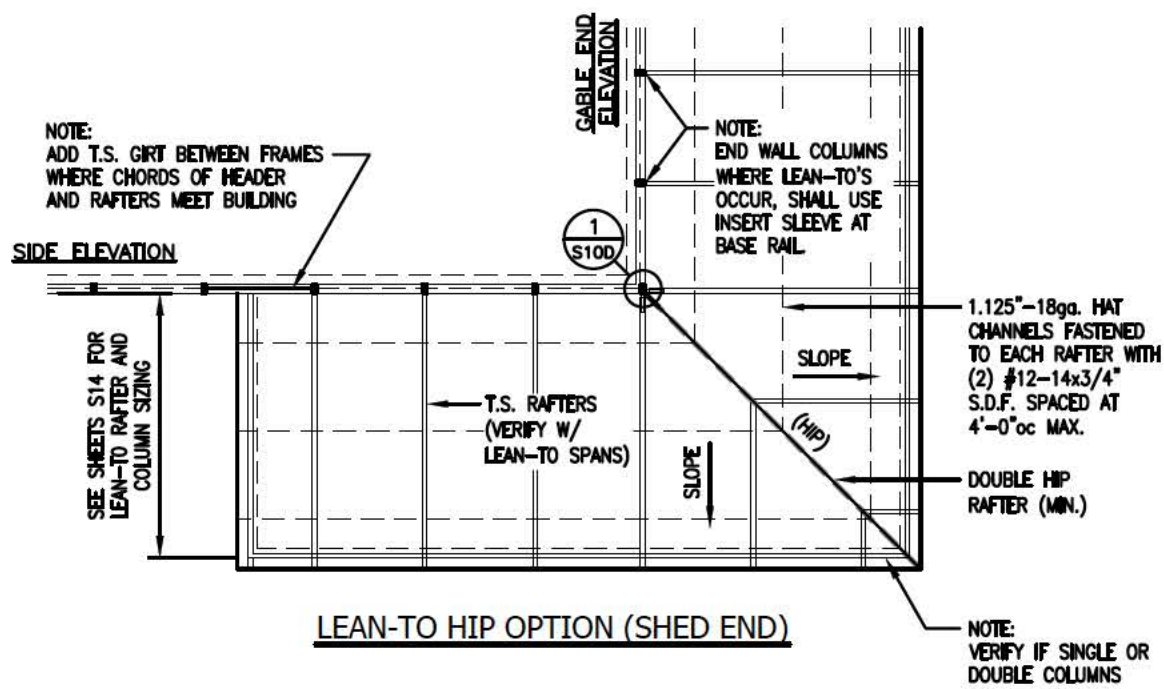
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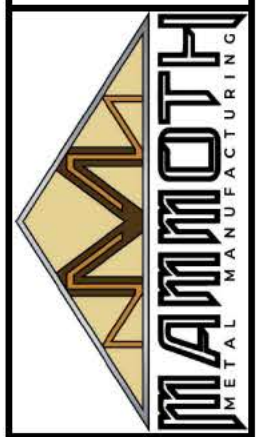
Project No. 25-501	Sheet No. S9
ENCLOSED GABLE END BUILDING MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME) (UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)	
Date: 02-10-2025	Revisions: -



LEAN-TO HIP FRAMING OPTIONS



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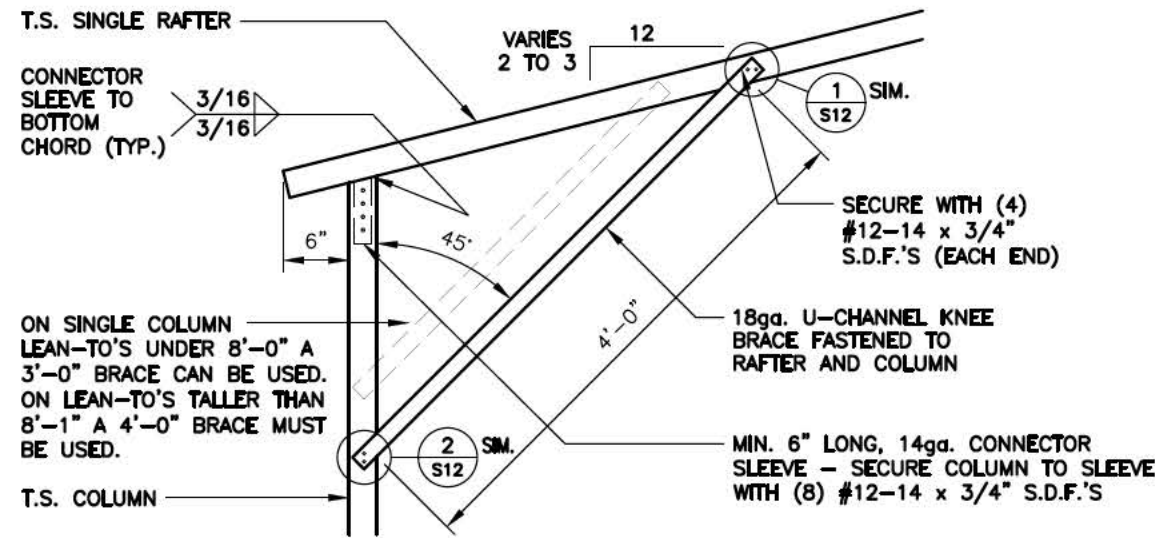
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S9A

ENCLOSED GABLE END BUILDING
MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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ENGINEER
JAMES S. TATE
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v1.1

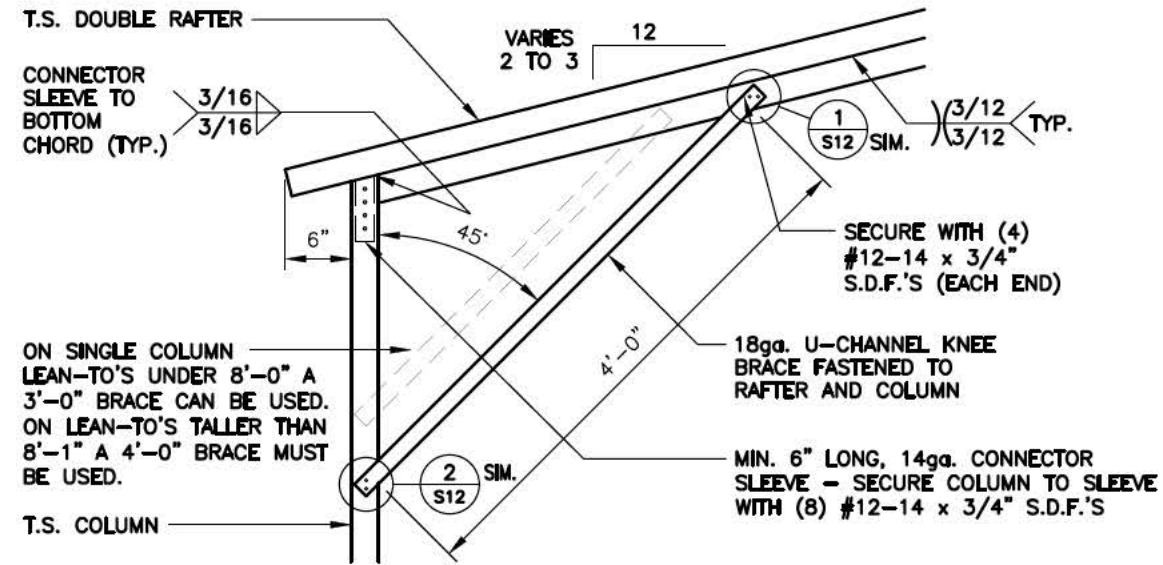
LEAN-TO FRAMING OPTIONS



LEAN-TO SINGLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

1
S10

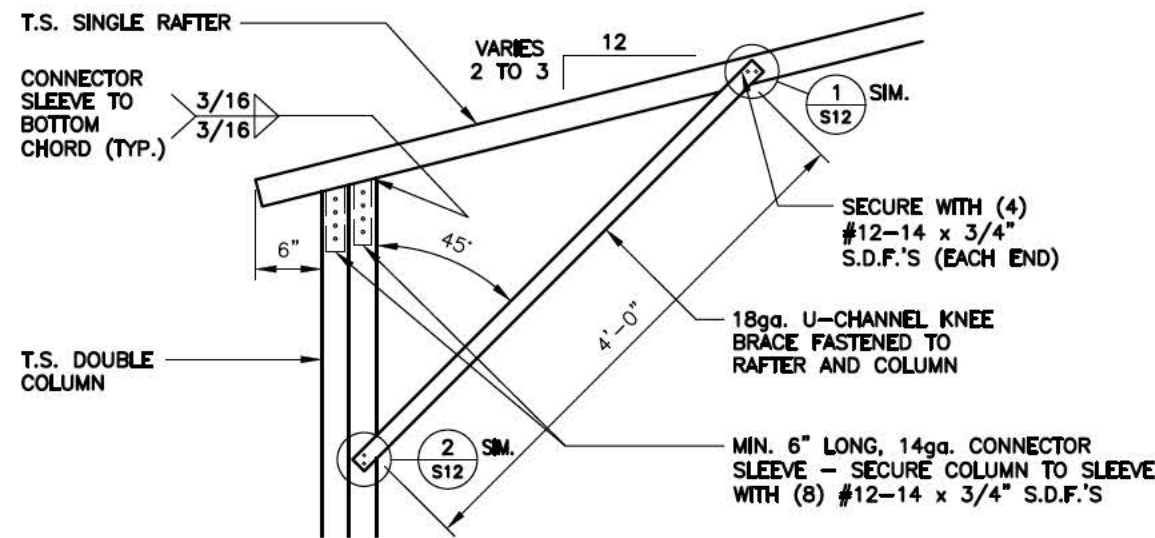
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LEAN-TO DOUBLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

1A
S10

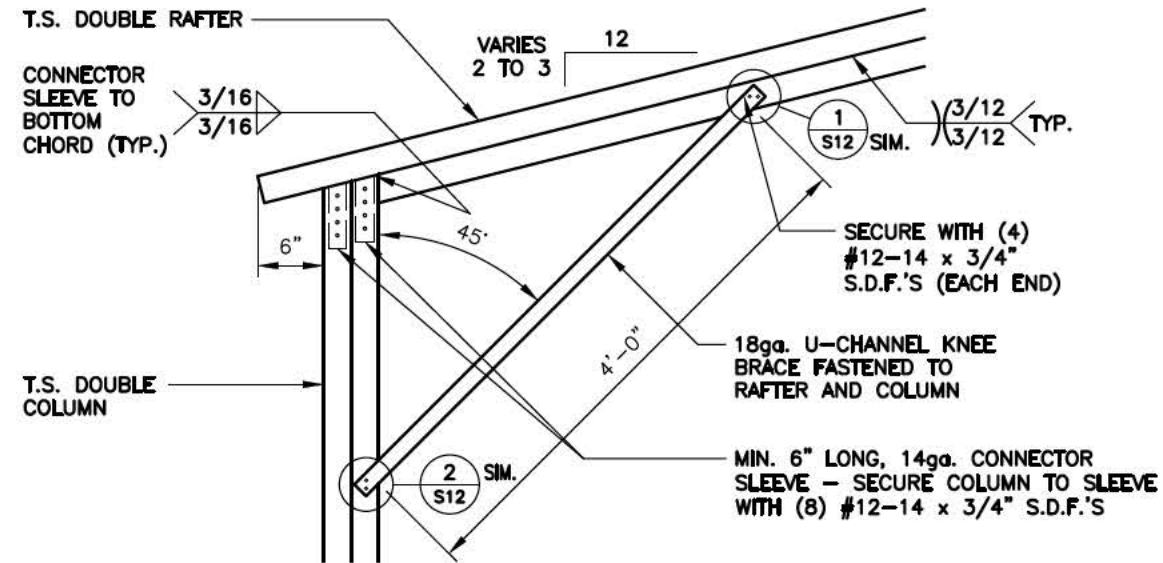
SCALE: 3/4" = 1'-0"



LEAN-TO SINGLE RAFTER / DOUBLE COLUMN CONNECTION DETAIL

2
S10

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

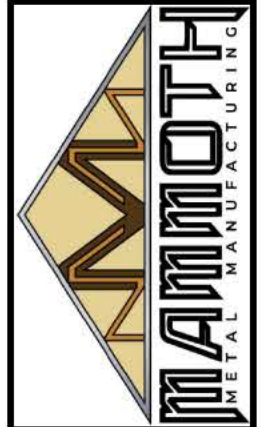


LEAN-TO DOUBLE RAFTER / DOUBLE COLUMN CONNECTION DETAIL

2A
S10

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

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ENCLOSED GABLE END BUILDING

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25-501

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

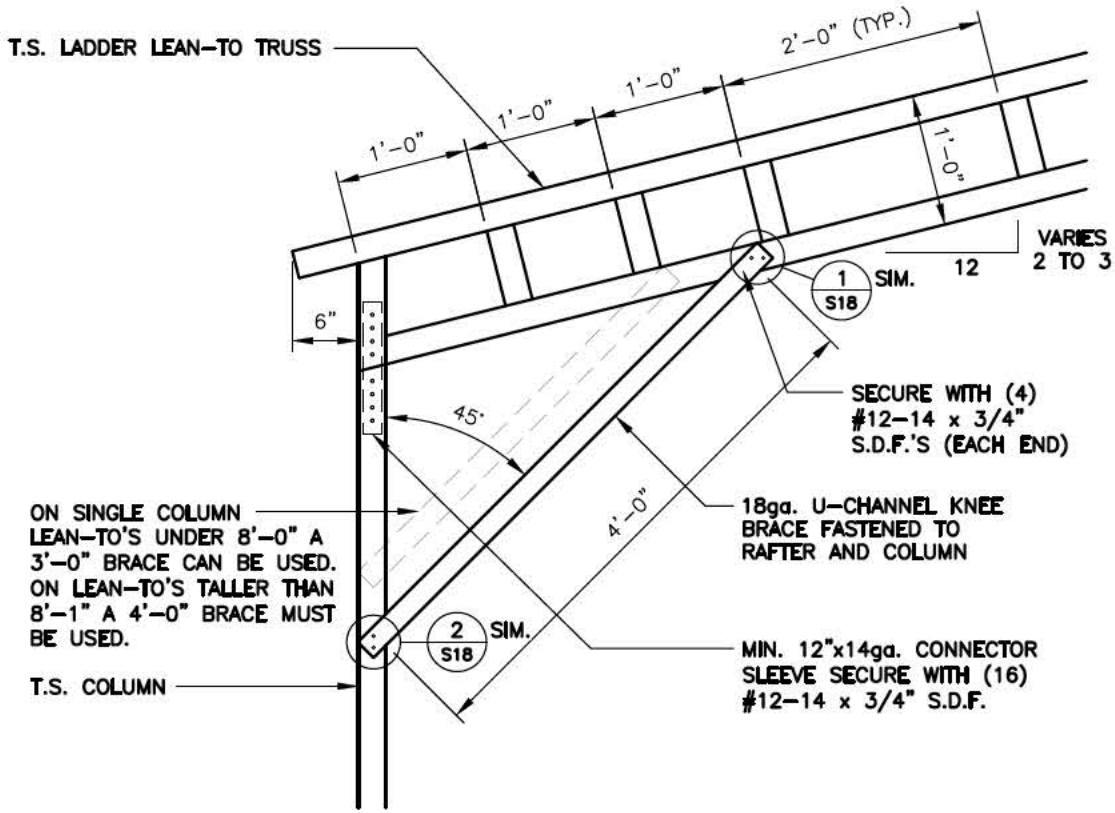
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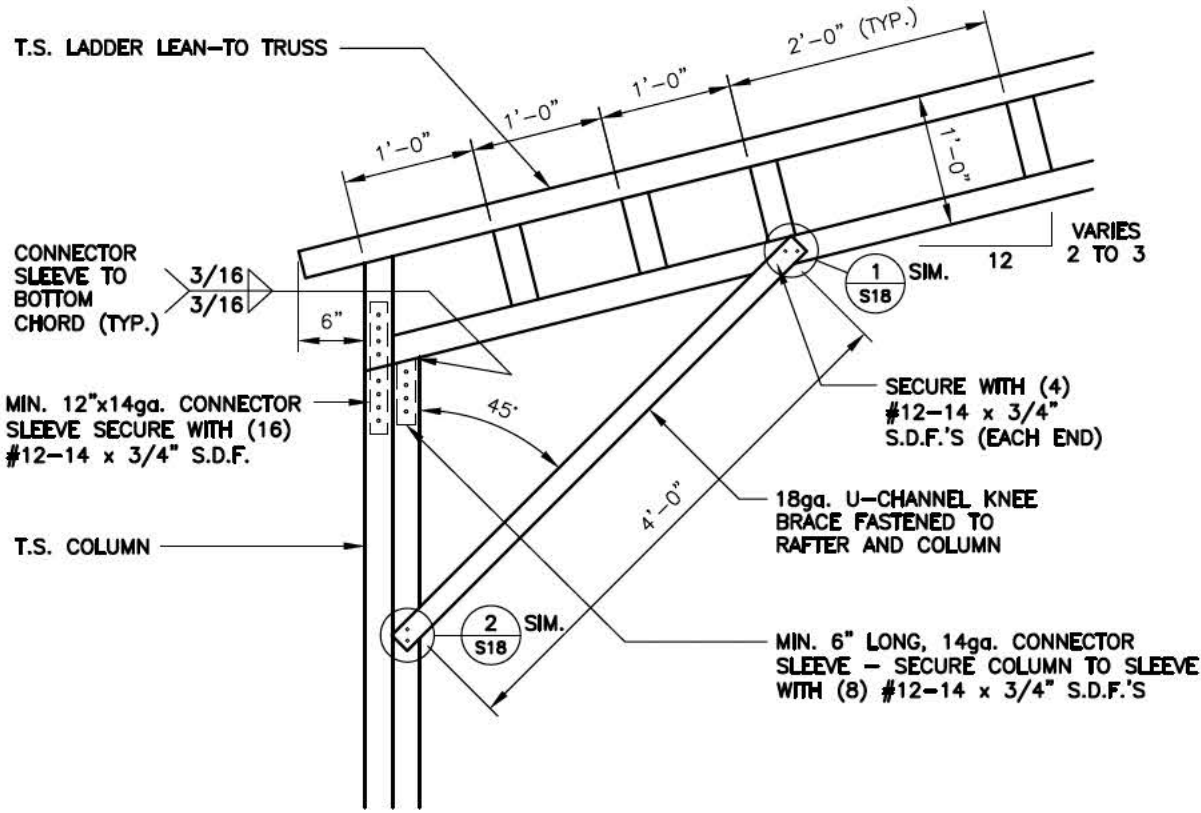
LEAN-TO FRAMING OPTIONS



LEAN-TO LACED RAFTER / SINGLE COLUMN CONNECTION DETAIL

1
S10A

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



LEAN-TO LACED RAFTER / DOUBLE COLUMN CONNECTION DETAIL

1A
S10A

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

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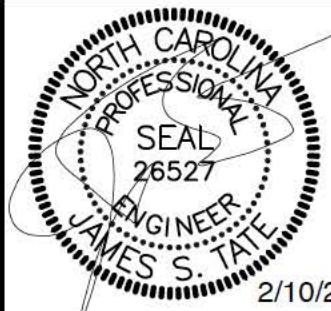


ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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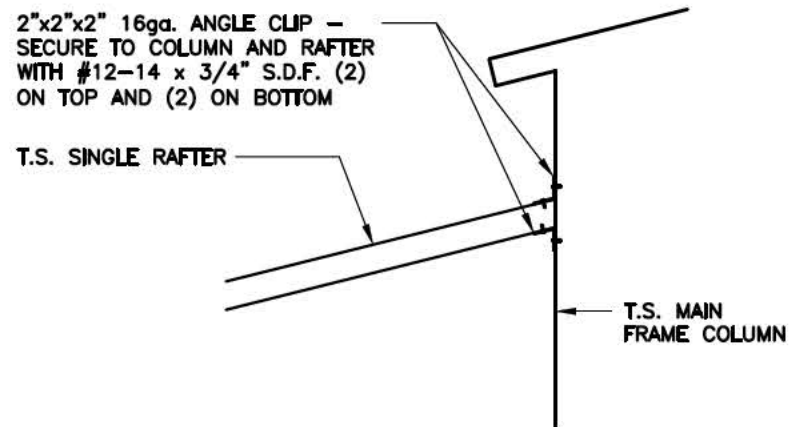


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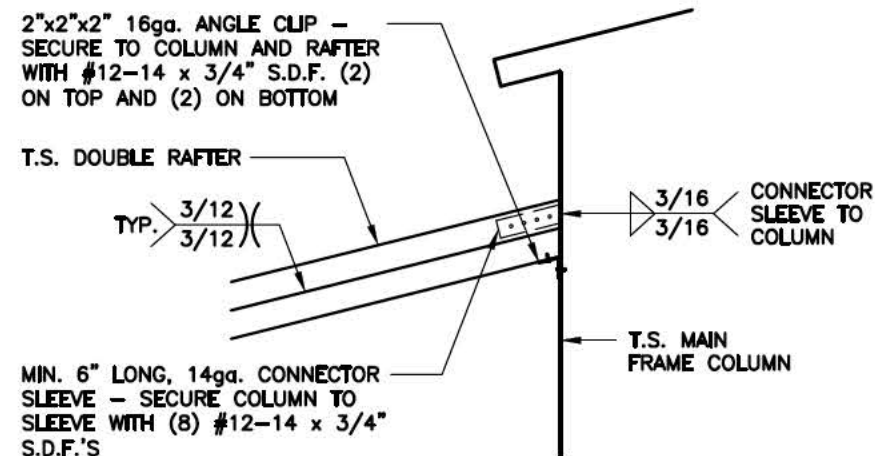
LEAN-TO FRAMING OPTIONS



LEAN-TO SINGLE RAFTER / BUILDING FRAME
CONNECTION DETAIL

1
S10B

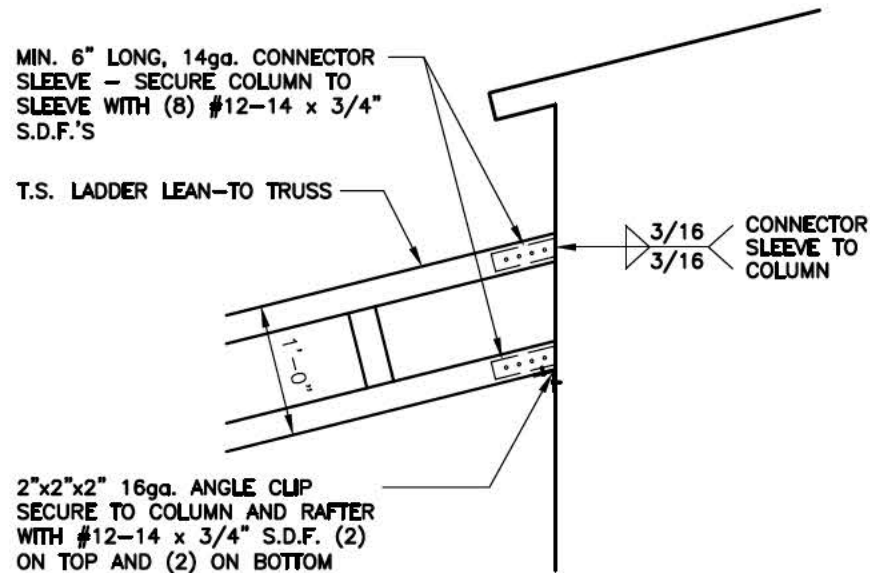
SCALE: 3/4" = 1'-0"



LEAN-TO DOUBLE RAFTER / BUILDING FRAME
CONNECTION DETAIL

1A
S10B

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

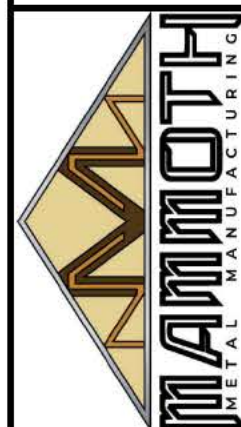


LEAN-TO SINGLE RAFTER / BUILDING FRAME
CONNECTION DETAIL

2
S10B

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

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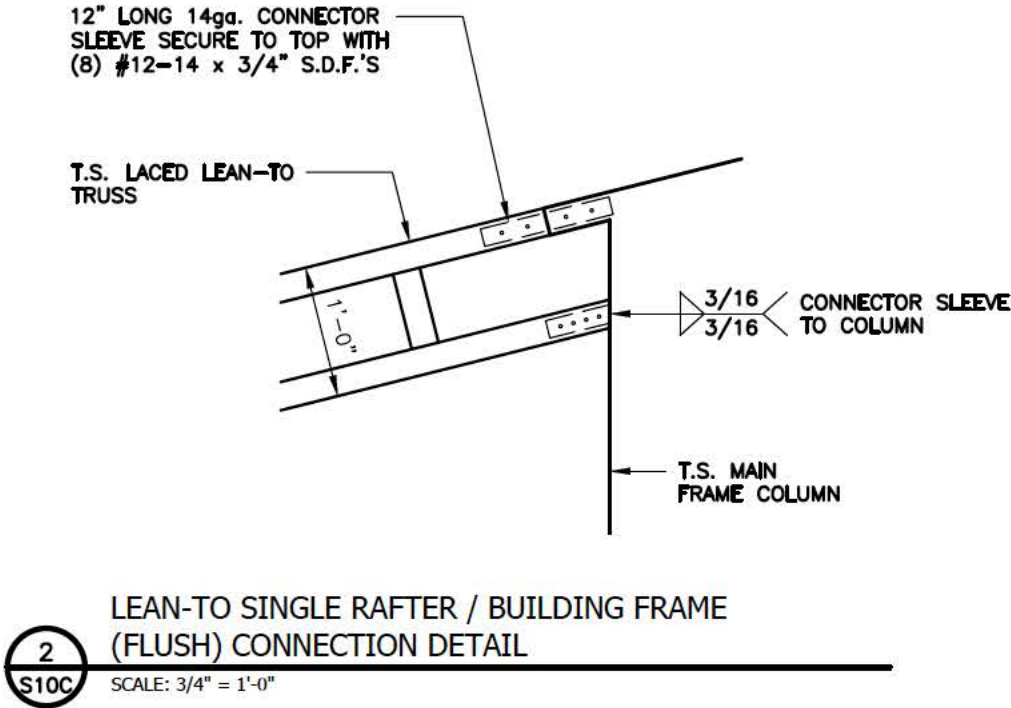
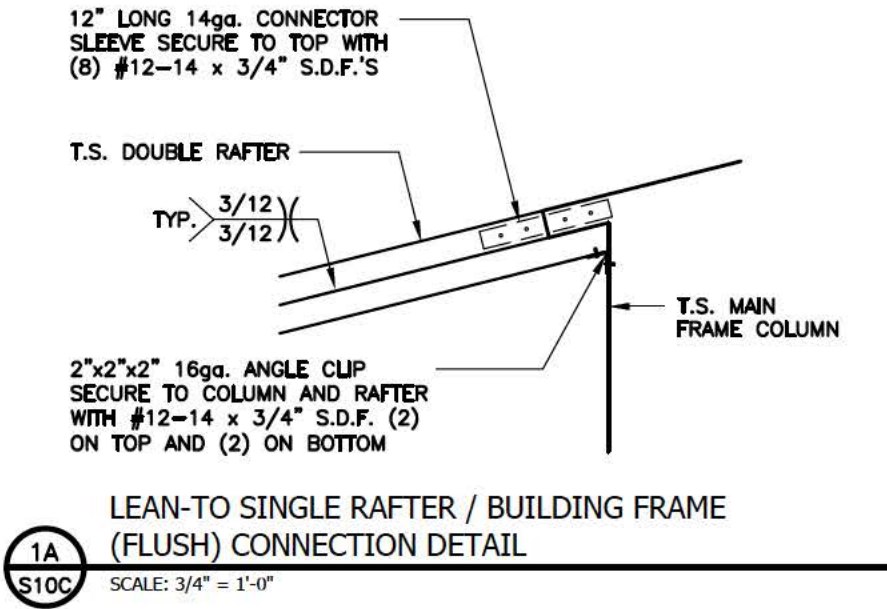
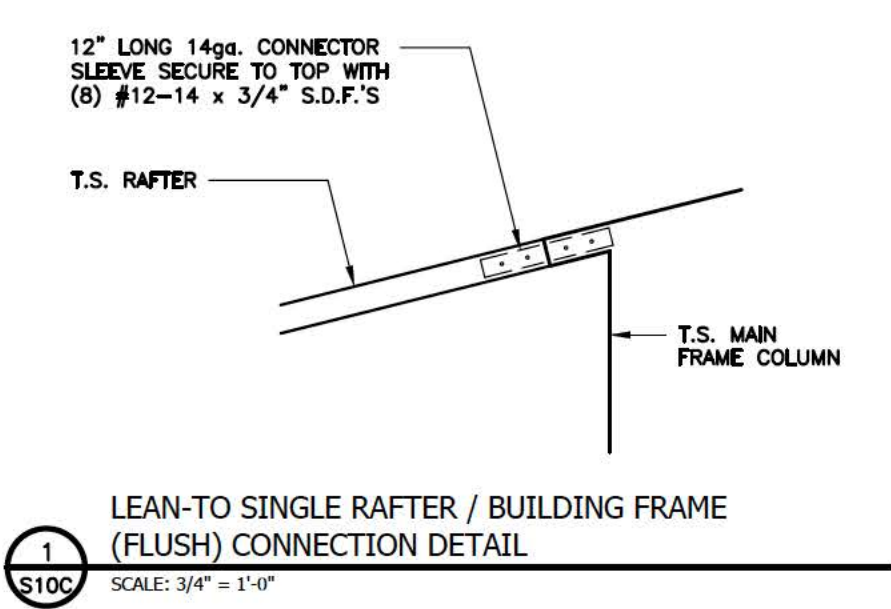
ENCLOSED GABLE END BUILDING
MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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LEAN-TO FRAMING OPTIONS



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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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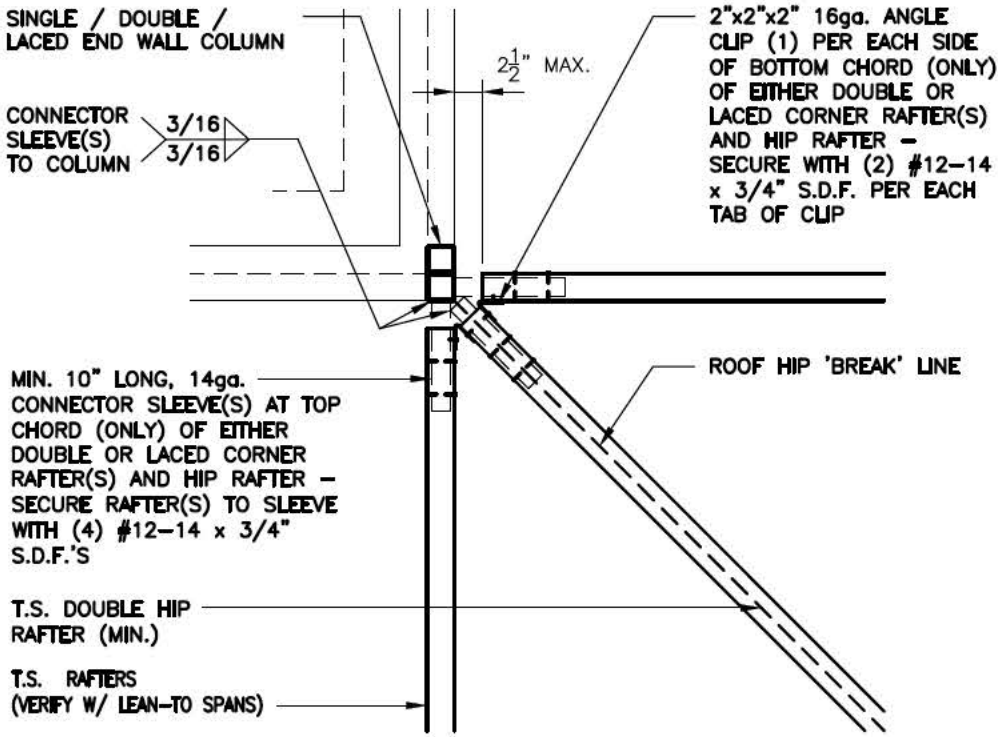


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LEAN-TO FRAMING OPTIONS



1
S10D

END WALL COLUMN / HIP RAFTER
CONNECTION DETAIL

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

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ENCLOSED GABLE END BUILDING

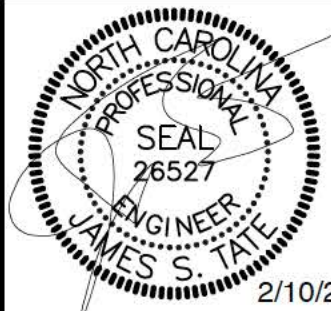
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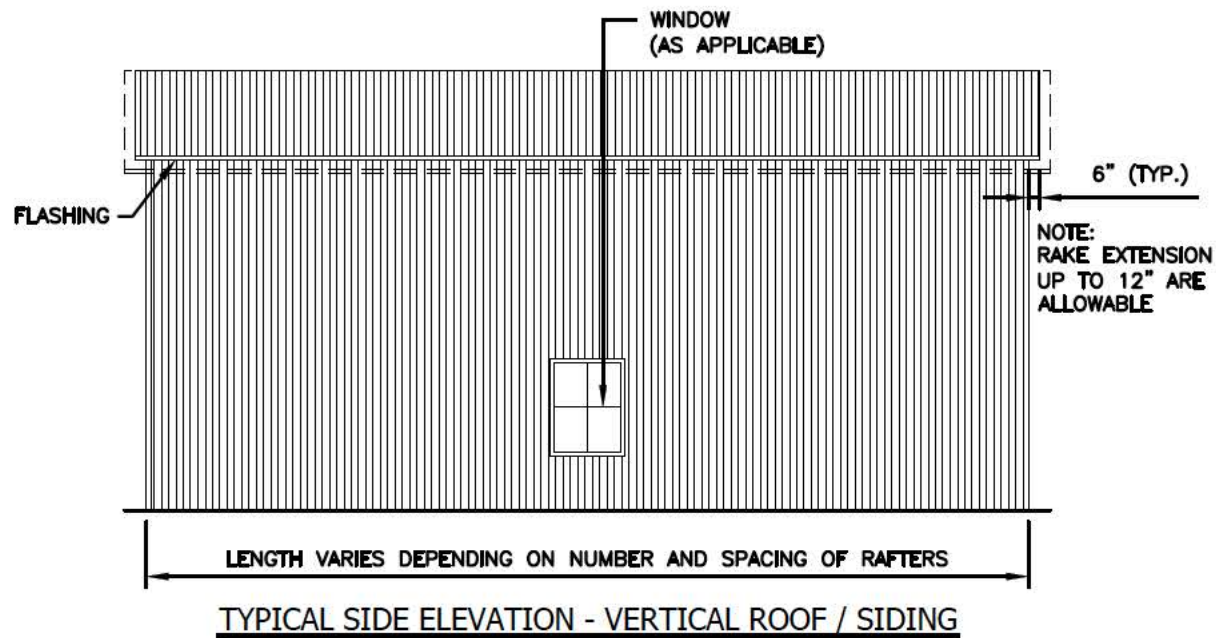
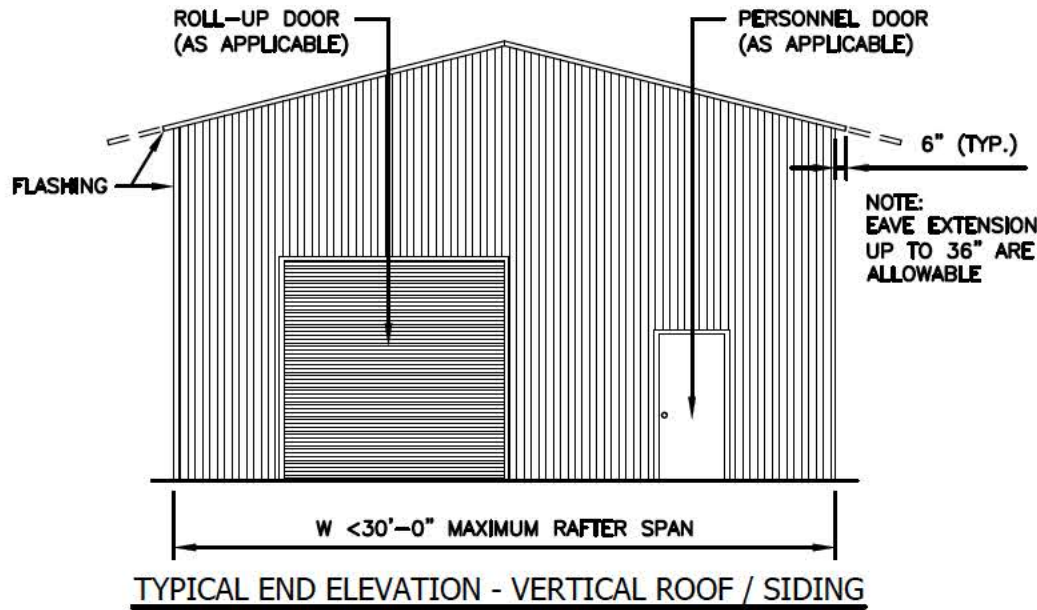
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VERTICAL ROOF / SIDING OPTION



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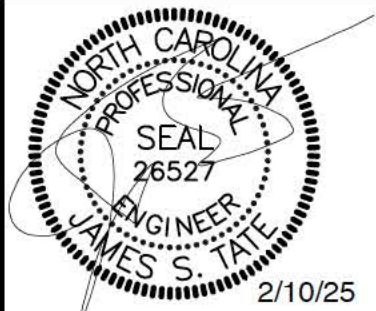


ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

Date:
02-10-2025

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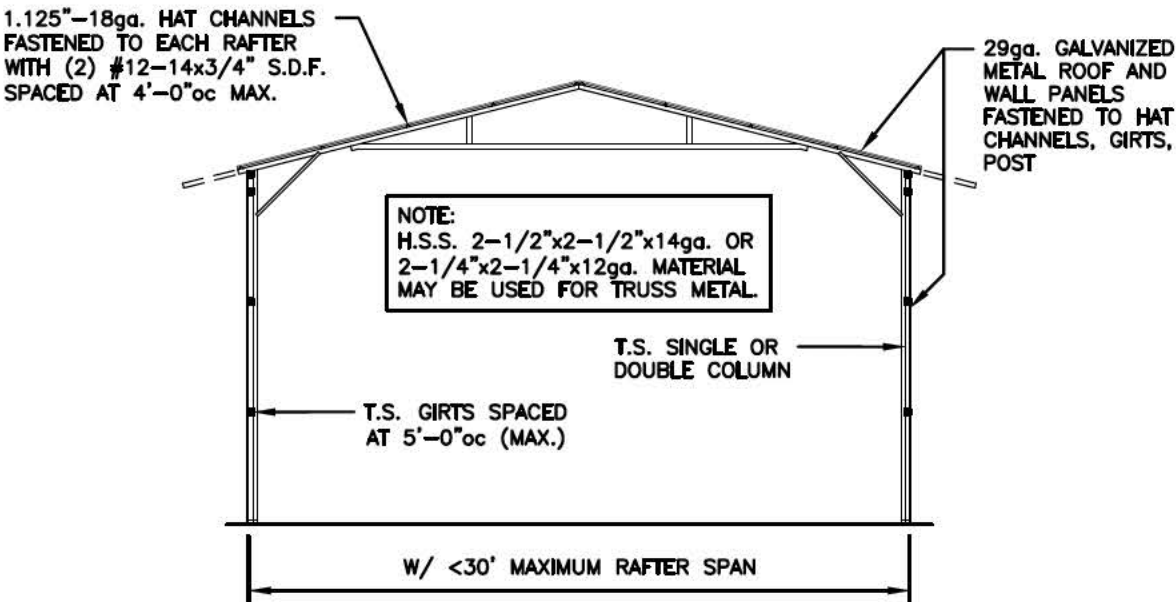
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VERTICAL ROOF / SIDING OPTION

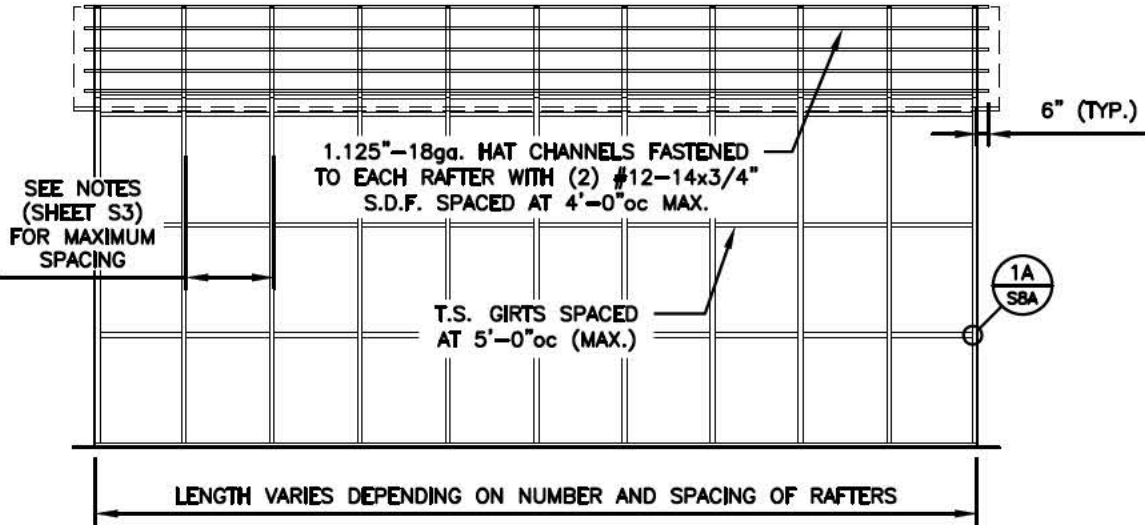
VERTICAL ROOF / SIDING OPTION



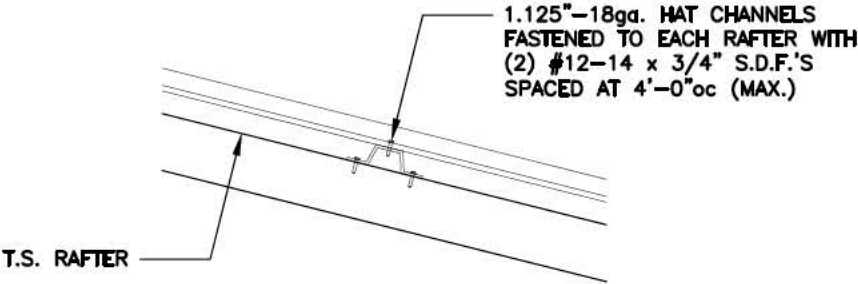
TYPICAL SECTION VERTICAL ROOF / SIDING OPTION

MAIN BUILDING COLUMNS TO BE SINGLE COLUMNS FOR COLUMN HEIGHTS <14'-0"

MAIN BUILDING COLUMNS TO BE DOUBLE COLUMNS FOR COLUMN HEIGHTS >14'-1" TO <16'-0"

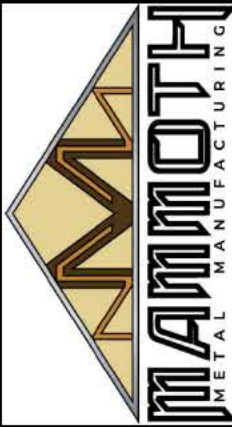


TYPICAL SIDE FRAMING SECTION VERTICAL ROOF / SIDING OPTION



(TYPICAL) ROOF PANEL ATTACHMENT

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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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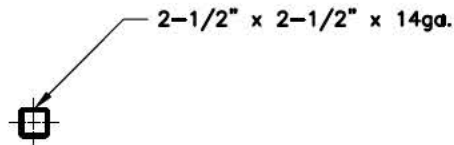


GENERAL NOTE:

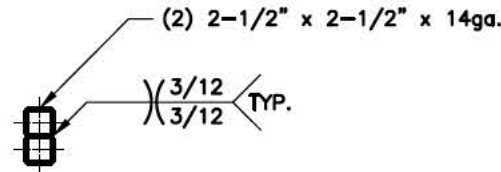
PROVIDE DOUBLE WYTHE HEADER ON DOUBLE COLUMNS.

HEADER OPTIONS

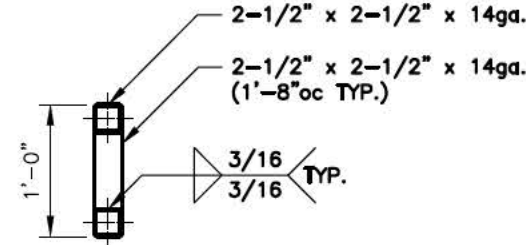
SIDE WALL HEADER OPTIONS



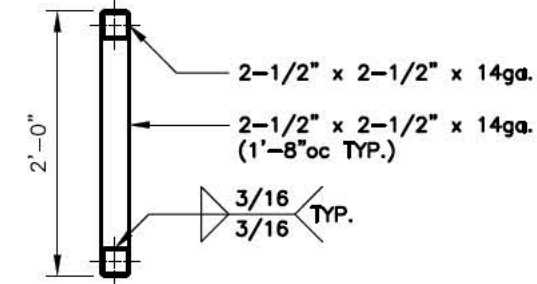
SINGLE T.S. HEADER DETAIL
FOR OPENINGS <4'-0"



DOUBLE T.S. HEADER DETAIL
FOR OPENINGS >4'-0" TO <12'-0"

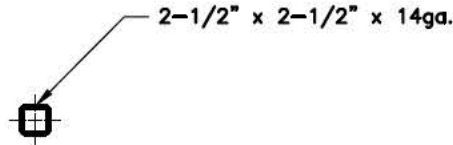


LACED T.S. HEADER DETAIL
FOR OPENINGS >12'-1" TO <16'-0"

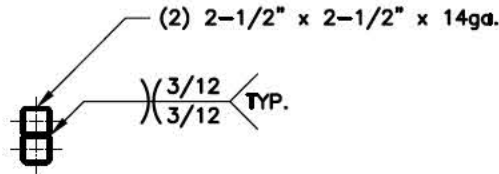


LACED T.S. HEADER DETAIL
FOR OPENINGS >16'-1" TO <20'-0"

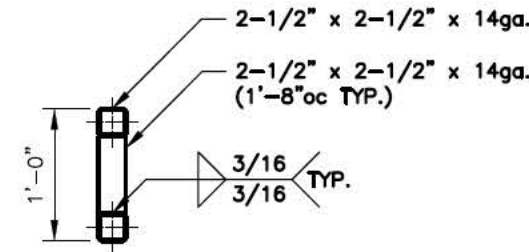
END WALL HEADER OPTIONS



SINGLE T.S. HEADER DETAIL
FOR OPENINGS <7'-0"

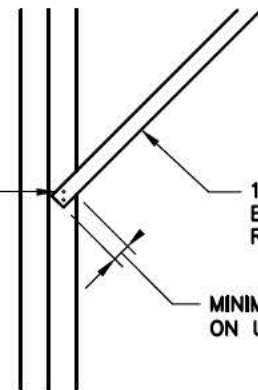


DOUBLE T.S. HEADER DETAIL
FOR OPENINGS >7'-1" TO <16'-0"



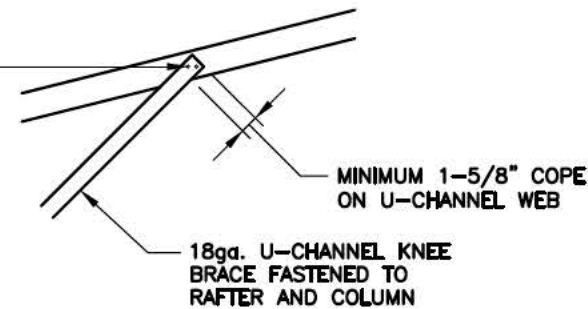
LACED T.S. HEADER DETAIL
FOR OPENINGS >16'-1" TO <20'-0"

SECURE WITH (4) W12-14x3/4"
S.D.F.'S (EACH END) MINIMUM
11/16" SPACING FROM
FASTENER TO FASTENER AND
FROM FASTENER TO EDGE



1
S12 U-CHANNEL TO COLUMN CONNECTION DETAIL
SCALE: 3/4" = 1'-0"

SECURE WITH (4) W12-14x3/4"
S.D.F.'S (EACH END) MINIMUM
11/16" SPACING FROM
FASTENER TO FASTENER AND
FROM FASTENER TO EDGE



2
S12 U-CHANNEL TO TRUSS CONNECTION DETAIL
SCALE: 3/4" = 1'-0"

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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5 P.S.F. SNOW LOAD(S)

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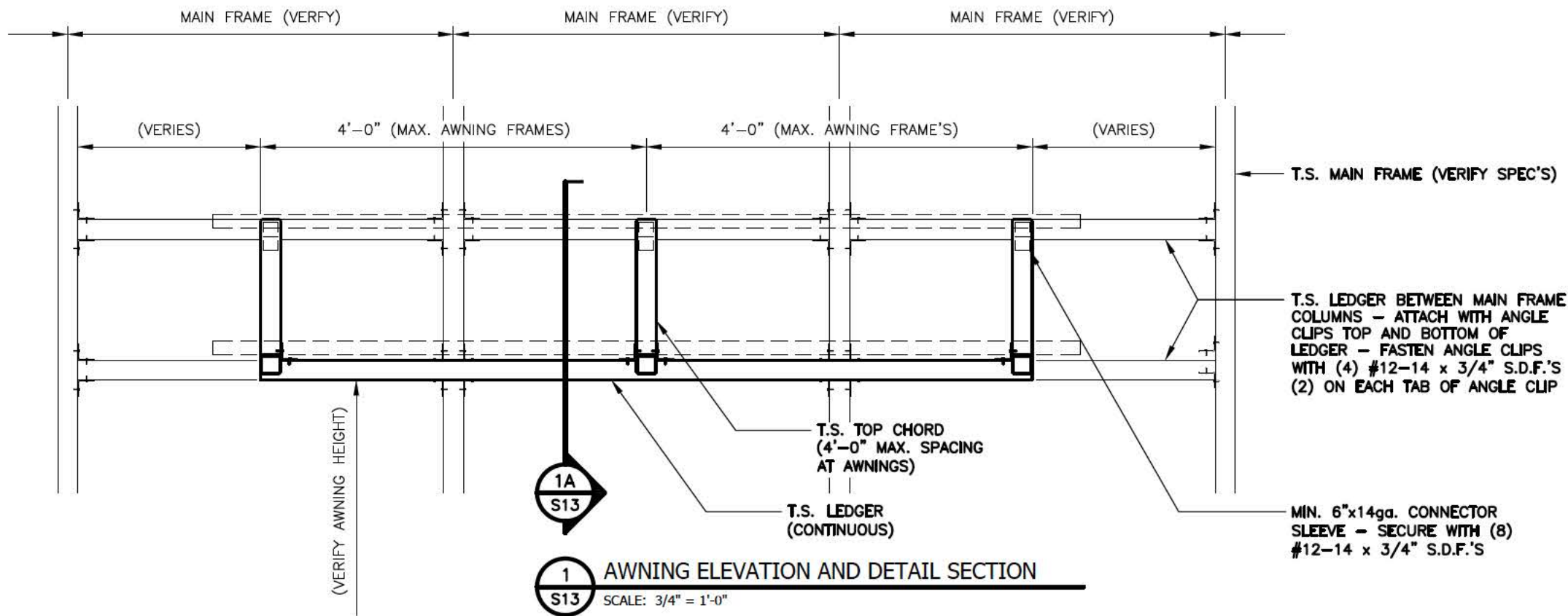
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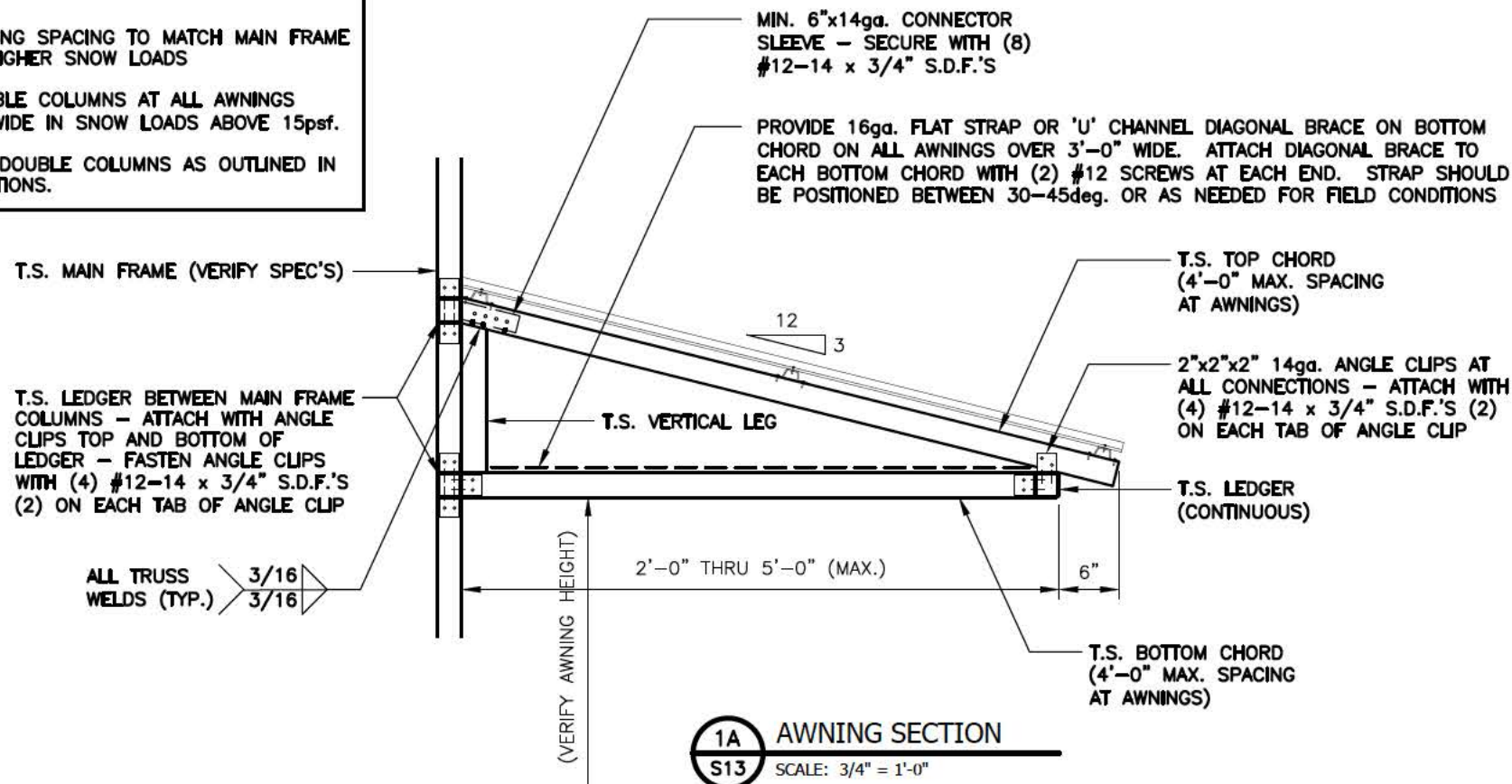
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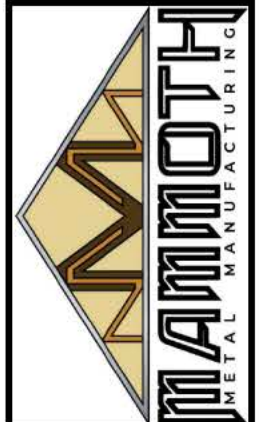


FABRICATOR NOTE:

1. AWNING FRAMING SPACING TO MATCH MAIN FRAME SPACING IN HIGHER SNOW LOADS
2. PROVIDE DOUBLE COLUMNS AT ALL AWNINGS OVER 3'-0" WIDE IN SNOW LOADS ABOVE 15psf.
3. STITCH WELD DOUBLE COLUMNS AS OUTLINED IN GENERAL SECTIONS.



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ENCLOSED GABLE END BUILDING

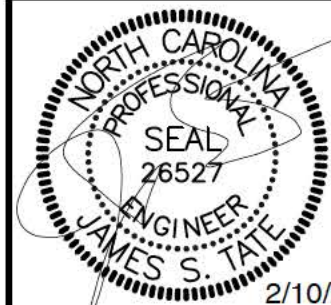
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