

TRUSS CONNECTION DETAILS

VOID THIS SHEET FOR BUILDINGS
<24'-0" WITH 'U' BRACE TRUSS TIE



JCMT
ASSOCIATES, PLLC

PO BOX 27
Pilot Mountain, NC 28641
828-310-7160

V2.0

Vickie Woods
368 Loop Road
Bunnlevel, NC 28323

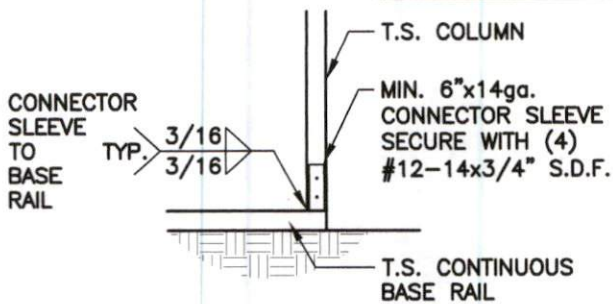
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09/04/25

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S11

T.S. OPENING CONNECTION DETAILS

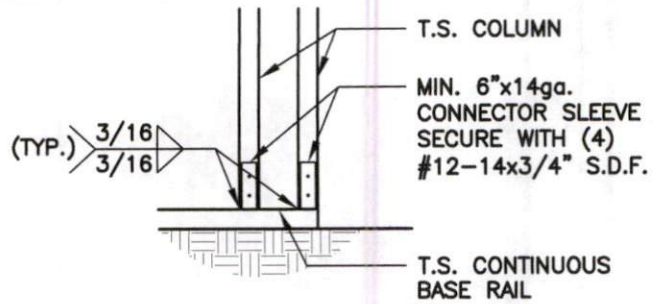


DOOR COLUMN / BASE RAIL CONNECTION DETAIL

1

S12

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

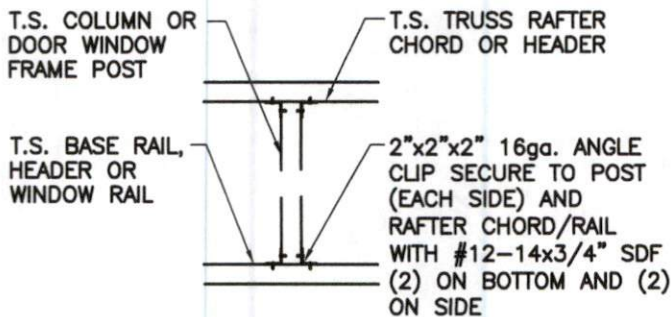


DOOR COLUMN / BASE RAIL CONNECTION DETAIL

1A

S12

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

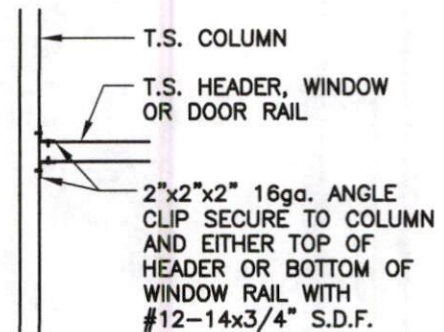


COLUMN TO RAIL CONNECTION DETAIL

2

S12

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

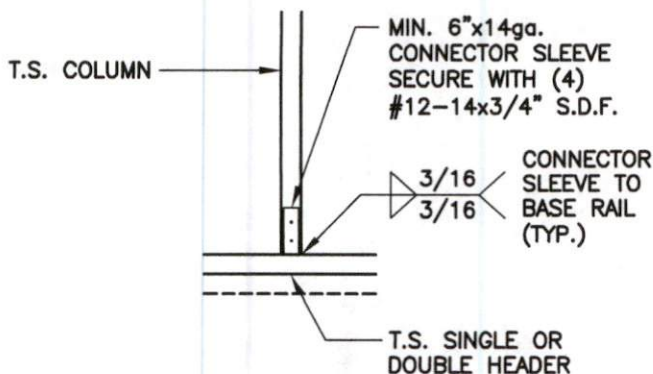


HEADER / GIRT TO COLUMN CONNECTION DETAIL

3

S12

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

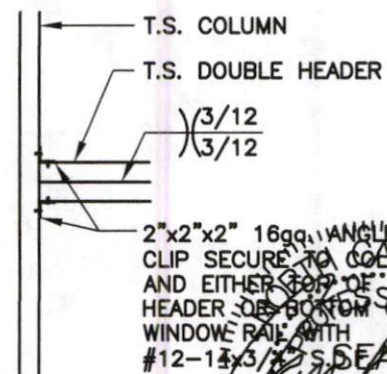


COLUMN / DOUBLE HEADER CONNECTION DETAIL

4

S12

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



DOUBLE HEADER / COLUMN CONNECTION DETAIL

5

S12

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

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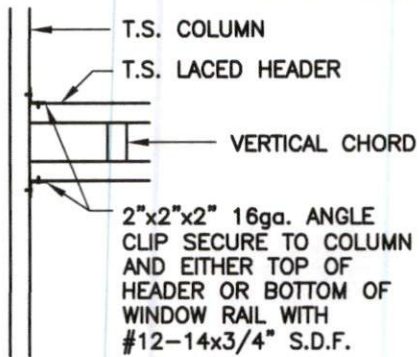
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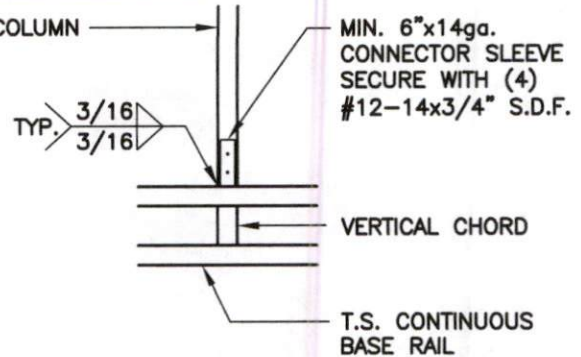


T.S. OPENING CONNECTION DETAILS



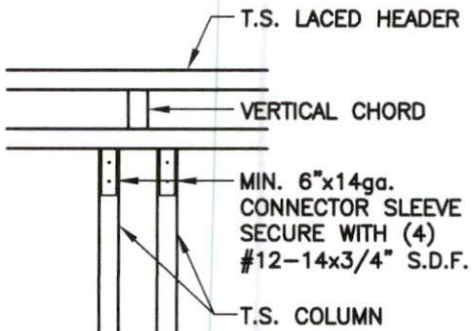
1
S13 COLUMN / LACED HEADER
CONNECTION DETAIL

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



2
S13 LACED HEADER / COLUMN
CONNECTION DETAIL

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



3
S13 LACED HEADER / COLUMN
CONNECTION DETAIL

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



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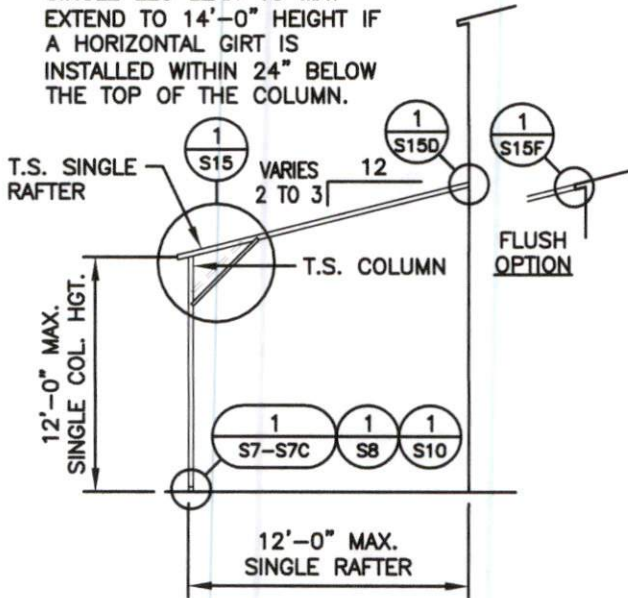
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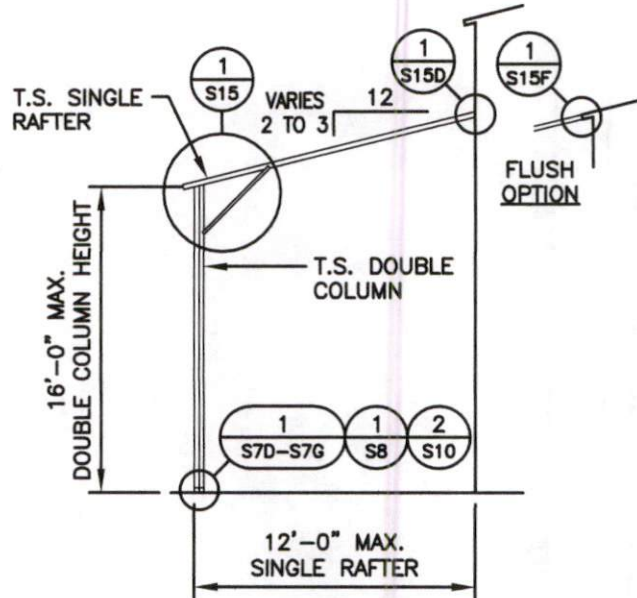
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S13

BOX EVE RAFTER / SINGLE & DOUBLE RAFTER - LEAN-TO OPTIONS

NOTE:
SINGLE LEG LEAN-TO MAY
EXTEND TO 14'-0" HEIGHT IF
A HORIZONTAL GIRT IS
INSTALLED WITHIN 24" BELOW
THE TOP OF THE COLUMN.

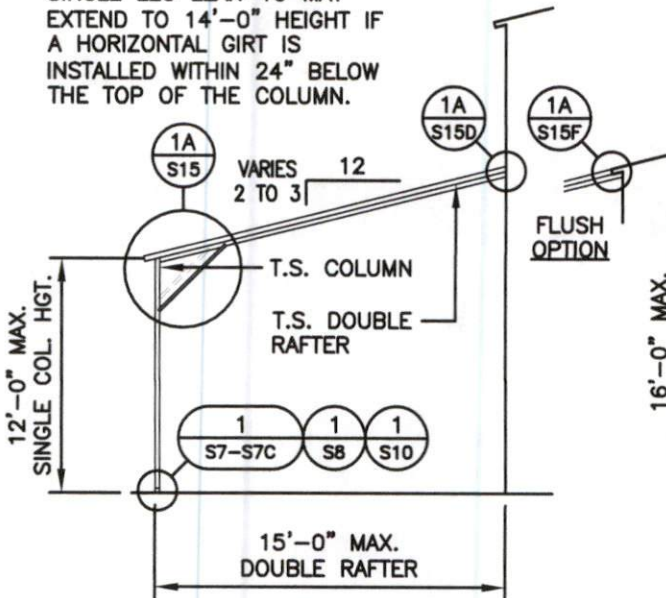


SINGLE RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION

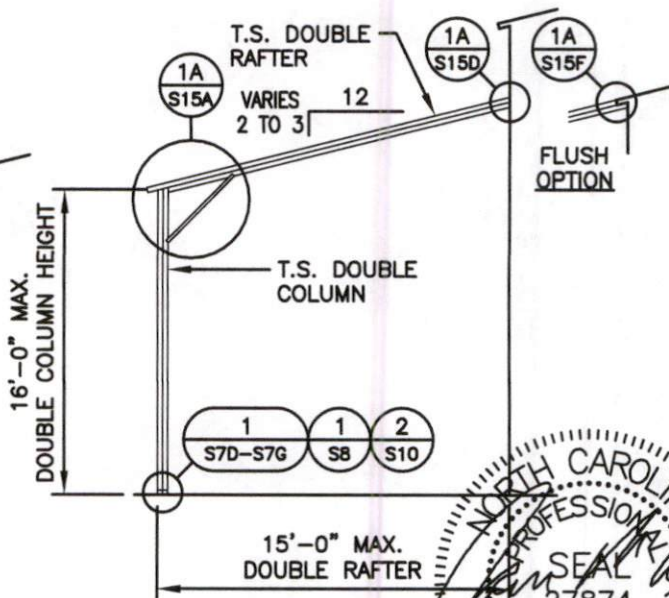


SINGLE RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION

NOTE:
SINGLE LEG LEAN-TO MAY
EXTEND TO 14'-0" HEIGHT IF
A HORIZONTAL GIRT IS
INSTALLED WITHIN 24" BELOW
THE TOP OF THE COLUMN.



DOUBLE RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION



DOUBLE RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION



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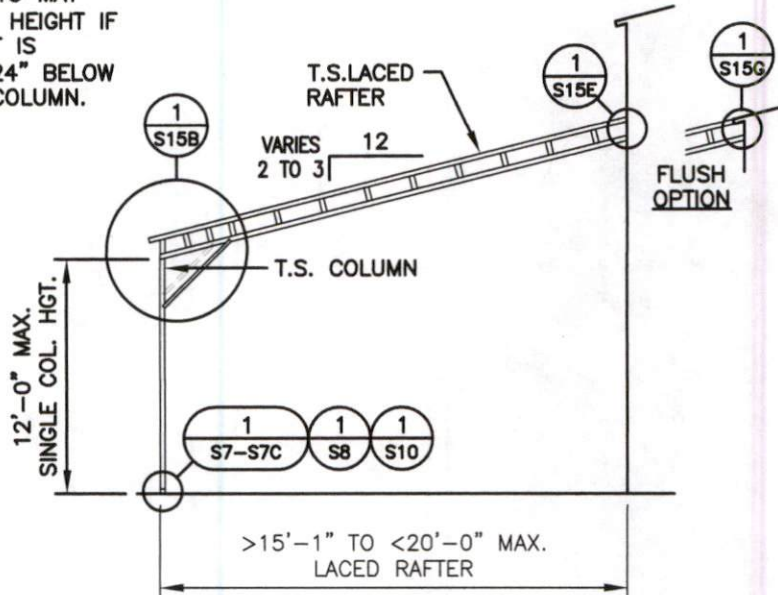
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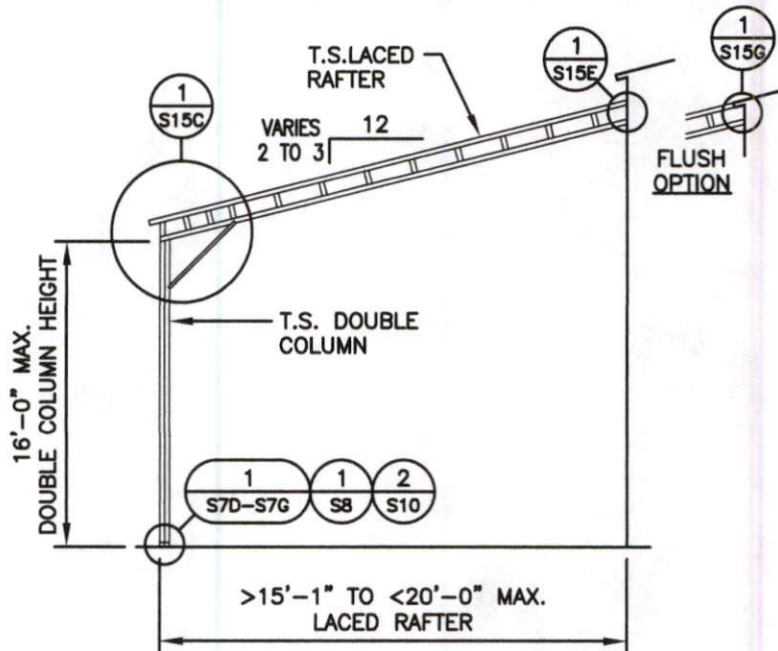
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S14

BOX EVE RAFTER / LACED RAFTER - LEAN-TO OPTIONS

NOTE:
SINGLE LEG LEAN-TO MAY
EXTEND TO 14'-0" HEIGHT IF
A HORIZONTAL GIRT IS
INSTALLED WITHIN 24" BELOW
THE TOP OF THE COLUMN.



LACED RAFTER / SINGLE COLUMN LEAN-TO FRAMING SECTION



LACED RAFTER / DOUBLE COLUMN LEAN-TO FRAMING SECTION



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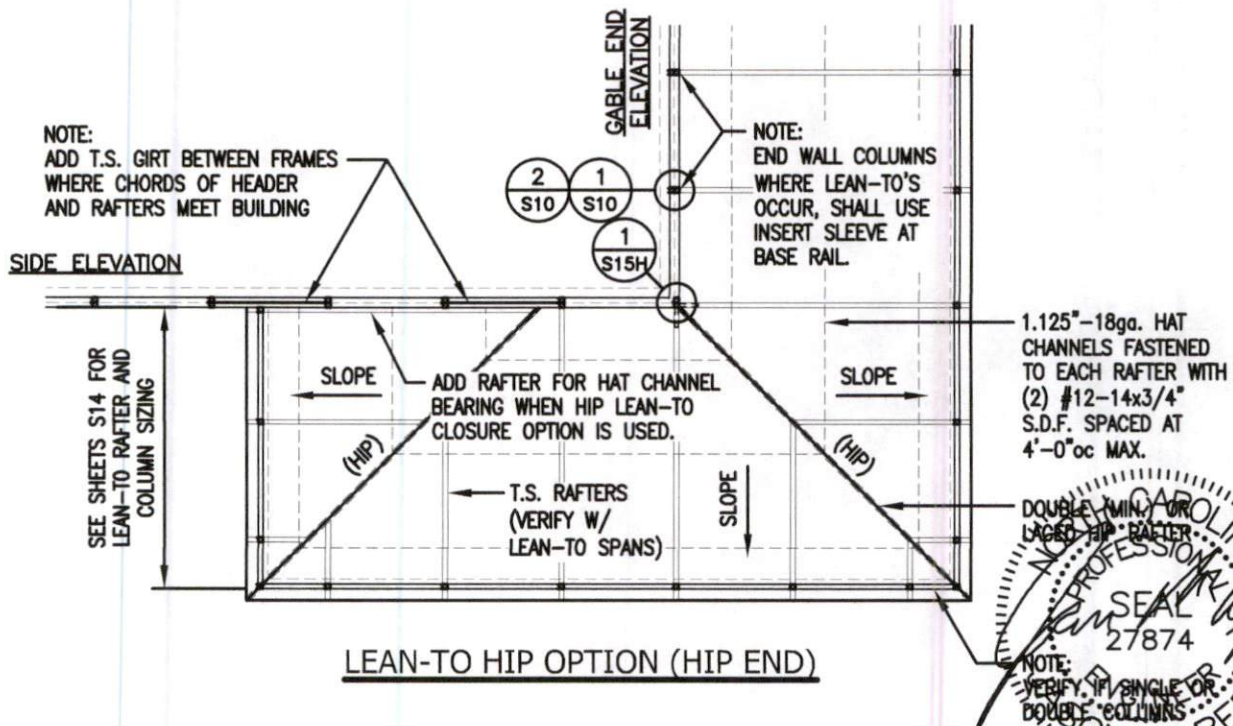
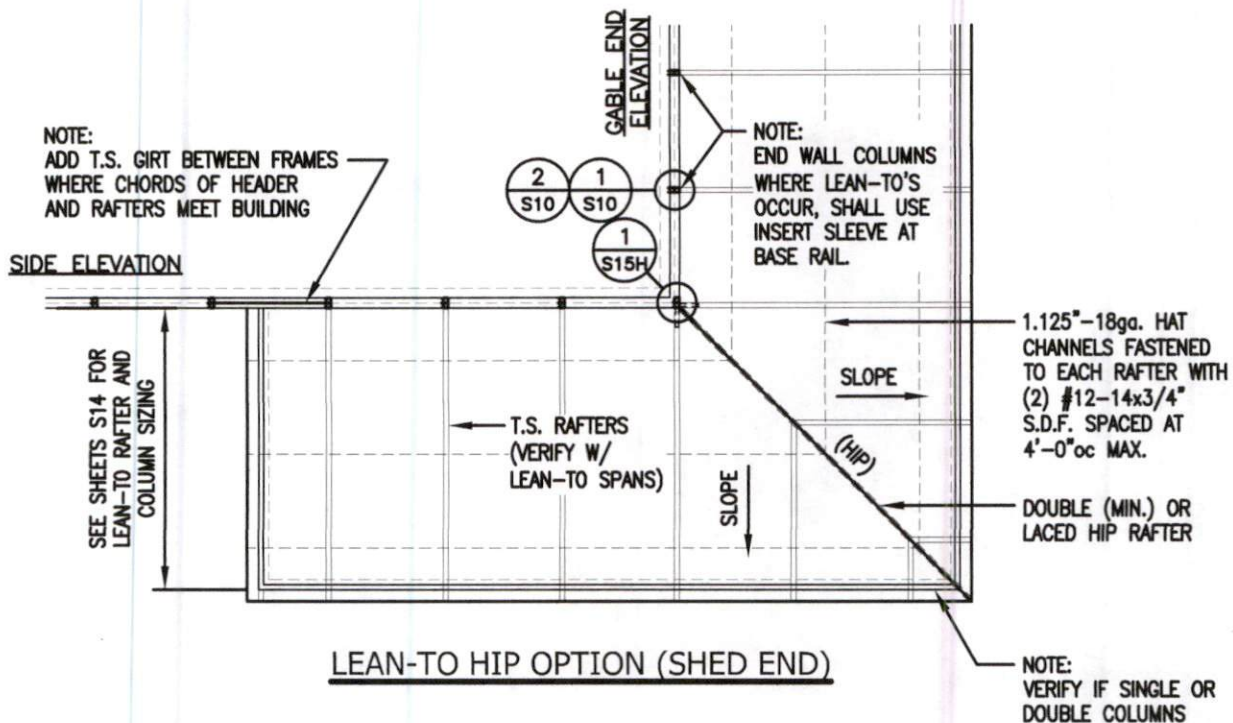
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LEAN-TO 'HIP' OPTIONS



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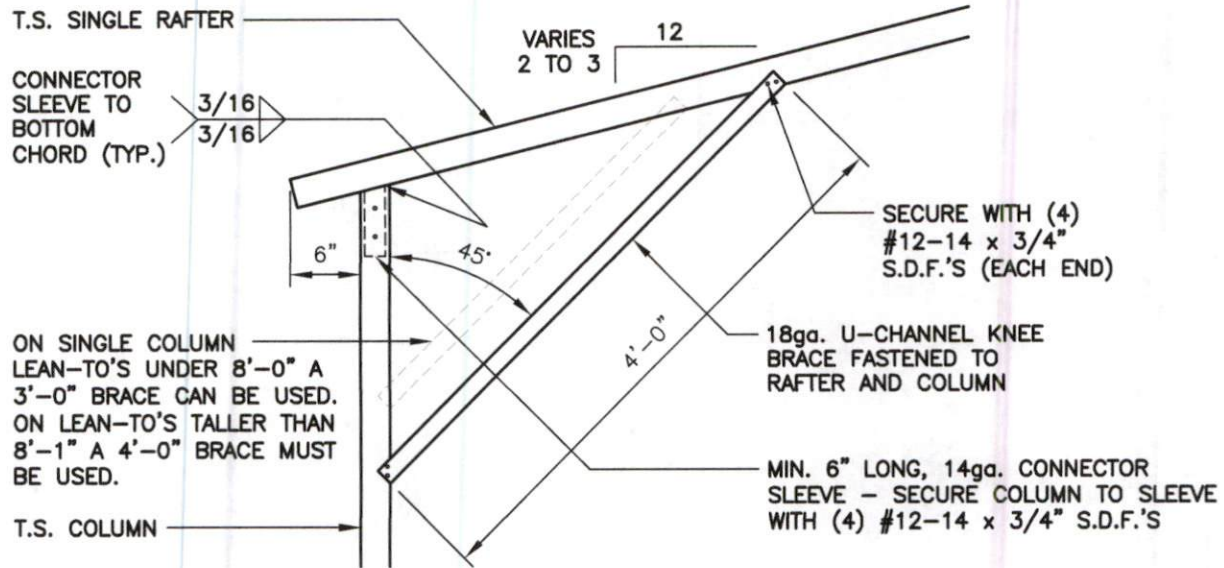
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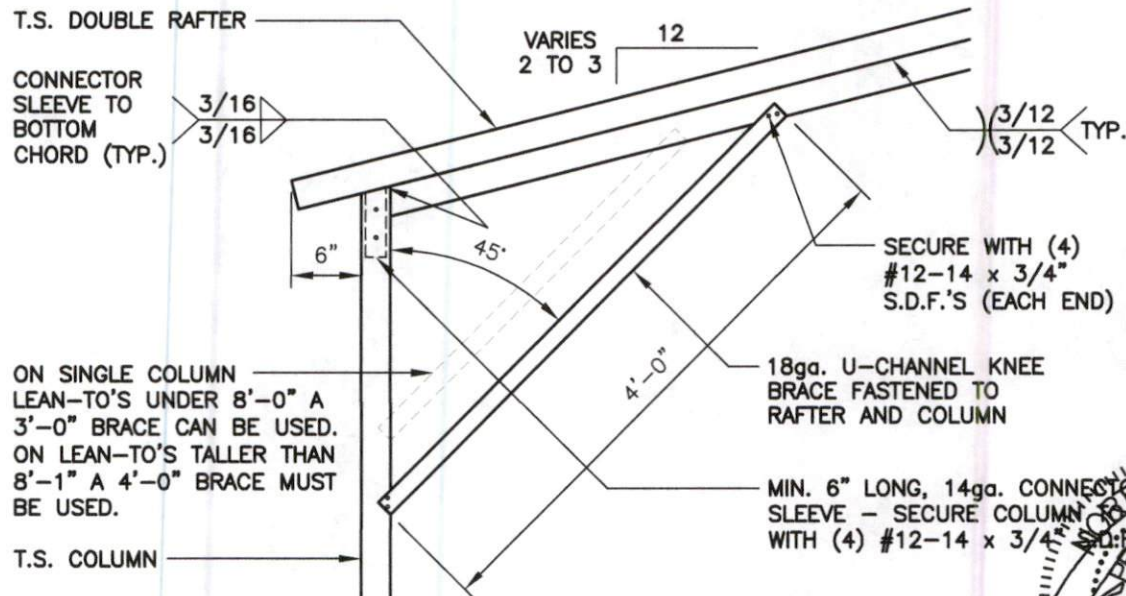
LEAN-TO CONNECTION DETAILS - SINGLE COLUMN



LEAN-TO SINGLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

1
S15

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



LEAN-TO DOUBLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

1A
S15

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



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09/04/25

SHEET NO:
S15

T.S. SINGLE RAFTER

CONNECTOR SLEEVE TO BOTTOM CHORD (TYP.)

VARIES 2 TO 3

12

3/16

3/16

6"

45°

4'-0"

SECURE WITH (4) #12-14 x 3/4" S.D.F.'S (EACH END)

18ga. U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN

T.S. DOUBLE COLUMN

MIN. 6" LONG, 14ga. CONNECTOR SLEEVE - SECURE COLUMN TO SLEEVE WITH (4) #12-14 x 3/4" S.D.F.'S

T.S. DOUBLE RAFTER

CONNECTOR SLEEVE TO BOTTOM CHORD (TYP.)

VARIES 2 TO 3

12

3/16

3/16

6"

45°

4'-0"

18ga. U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN

MIN. 6" LONG, 14ga. CONNECTOR SLEEVE - SECURE COLUMN TO RAFTER WITH (4) #12-14 x 3/4" S.D.F.'S

SECURE WITH (4) #12-14 x 3/4" S.D.F.'S (EACH END)

3/12

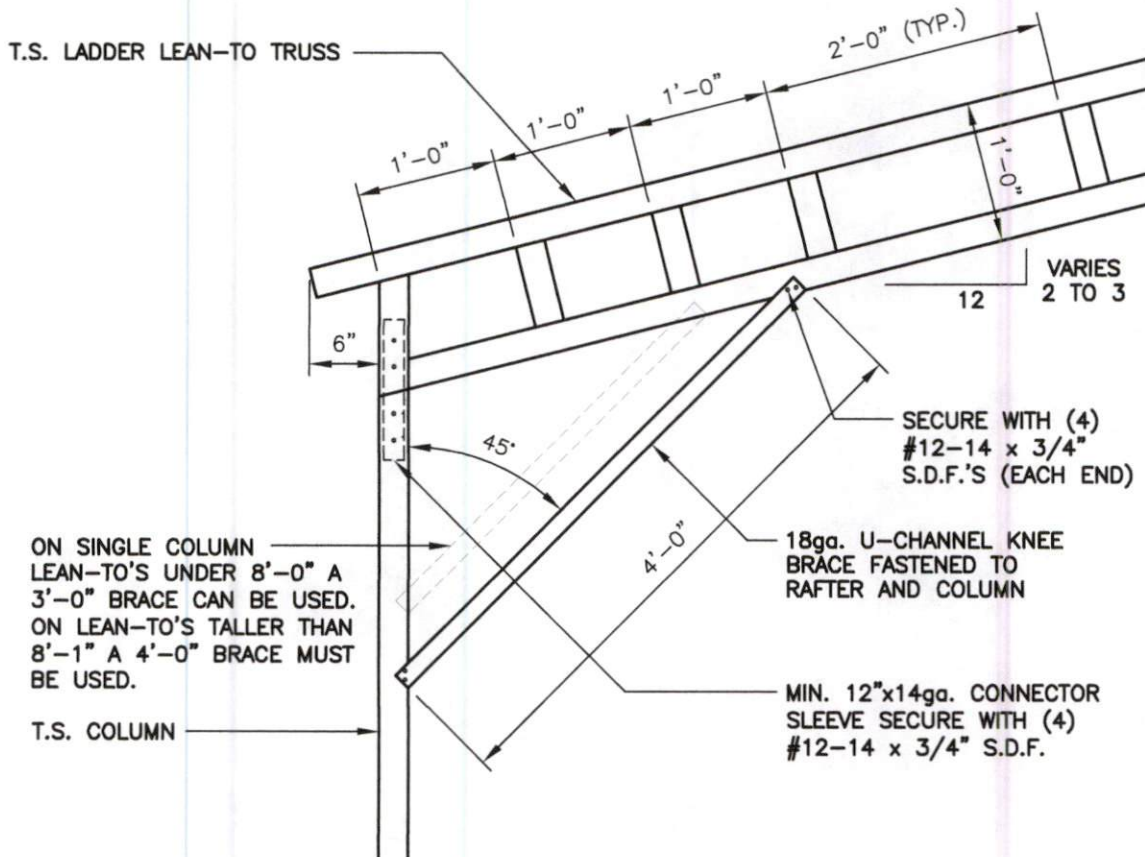
3/12 TYP.

T.S. DOUBLE COLUMN

CONNECTICUT
COLUMN TO STEVE
3/4" SELF
SEAL
27874
ENGINEER
JASON M. REED
09/04/2025

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LEAN-TO CONNECTION DETAILS - LACED RAFTER / SINGLE COLUMN



LEAN-TO LACED RAFTER / SINGLE COLUMN
CONNECTION DETAIL

1
S15B

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



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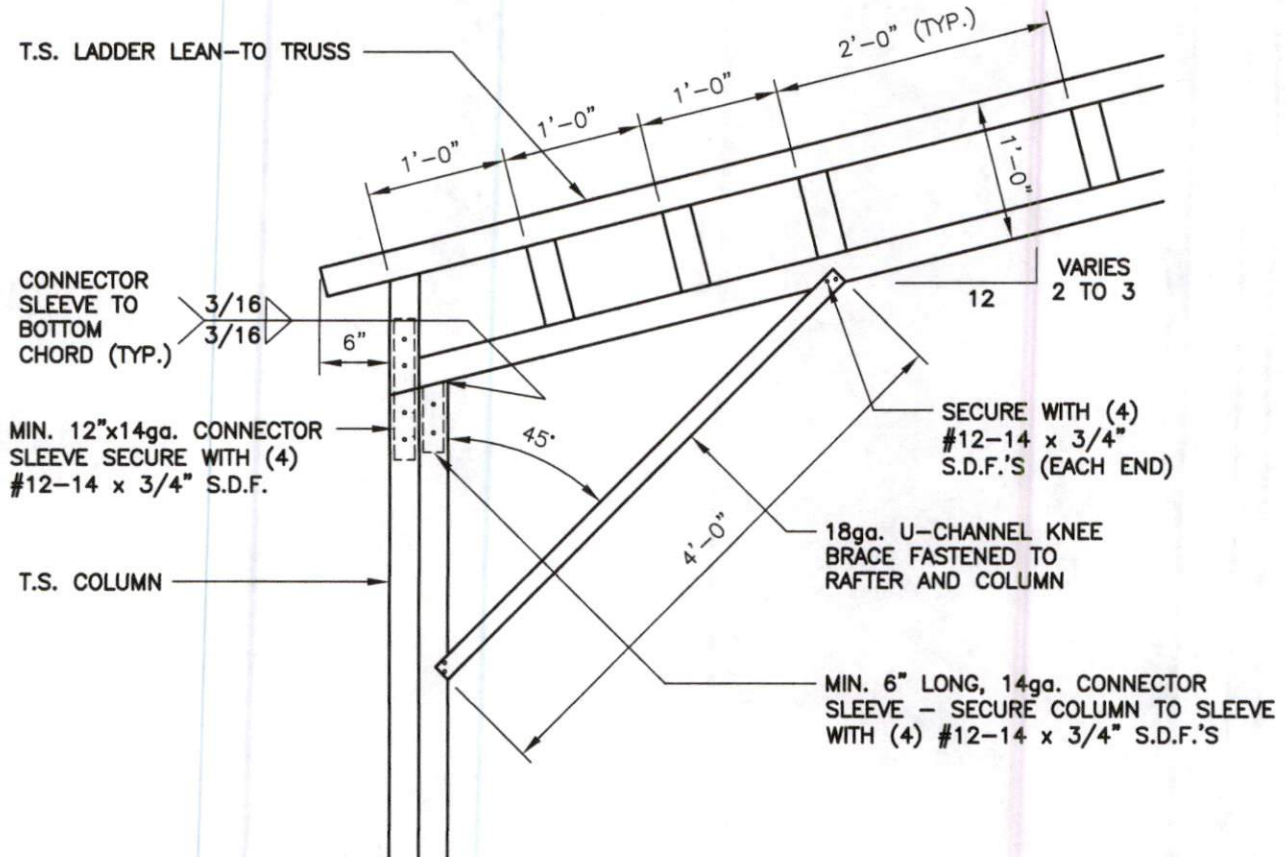
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S15B

LEAN-TO CONNECTION DETAILS - LACED RAFTER / DOUBLE COLUMN



LEAN-TO LACED RAFTER / DOUBLE COLUMN
CONNECTION DETAIL



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



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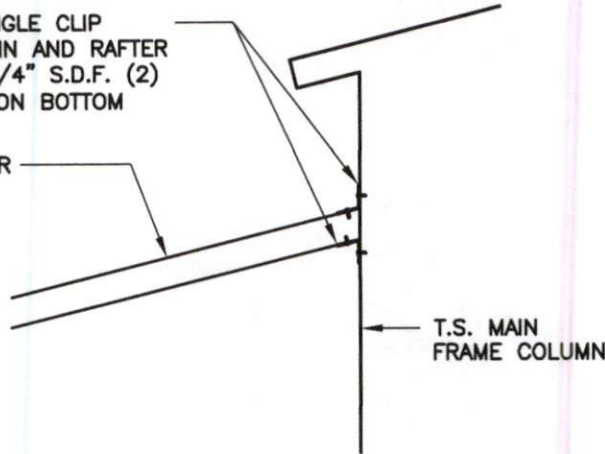
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S15C

LEAN-TO / MAIN FRAME CONNECTION DETAILS

2"x2"x2" 14ga. ANGLE CLIP
SECURE TO COLUMN AND RAFTER
WITH #12-14 x 3/4" S.D.F. (2)
ON TOP AND (2) ON BOTTOM

T.S. SINGLE RAFTER



LEAN-TO SINGLE RAFTER / BUILDING FRAME CONNECTION DETAIL

1

S15D

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

2"x2"x2" 16ga. ANGLE CLIP
SECURE TO COLUMN AND RAFTER
WITH #12-14 x 3/4" S.D.F. (2)
ON TOP AND (2) ON BOTTOM

T.S. DOUBLE RAFTER

TYP. 3/12 / 3/12

3/16 3/16
CONNECTOR
SLEEVE TO
COLUMN

MIN. 6" LONG, 14ga. CONNECTOR
SLEEVE - SECURE COLUMN TO
SLEEVE WITH (4) #12-14 x 3/4"
S.D.F.'S

T.S. MAIN
FRAME COLUMN

LEAN-TO DOUBLE RAFTER / BUILDING FRAME CONNECTION DETAIL

1A

S15D

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



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SHEET NO:
S15D

LEAN-TO / MAIN FRAME CONNECTION DETAILS

MIN. 6" LONG, 14ga. CONNECTOR
SLEEVE - SECURE COLUMN TO
SLEEVE WITH (4) #12-14 x 3/4"
S.D.F.'S

T.S. LADDER LEAN-TO TRUSS

3/16
3/16
CONNECTOR
SLEEVE TO
COLUMN

2"x2"x2" 16ga. ANGLE CLIP
SECURE TO COLUMN AND RAFTER
WITH #12-14 x 3/4" S.D.F. (2)
ON TOP AND (2) ON BOTTOM

LEAN-TO SINGLE RAFTER / BUILDING FRAME CONNECTION DETAIL

1
S15E

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



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S15E

LEAN-TO / MAIN FRAME CONNECTION DETAILS

12" LONG 14ga. CONNECTOR
SLEEVE SECURE TO TOP WITH
(8) #12-14 x 3/4" S.D.F.'S

T.S. RAFTER

T.S. MAIN
FRAME COLUMN

LEAN-TO SINGLE RAFTER / BUILDING FRAME (FLUSH) CONNECTION DETAIL

1

S15F

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

12" LONG 14ga. CONNECTOR
SLEEVE SECURE TO TOP WITH
(8) #12-14 x 3/4" S.D.F.'S

T.S. DOUBLE RAFTER

TYP. $\frac{3}{12} \left(\frac{3}{12} \right)$

T.S. MAIN
FRAME COLUMN

2"x2"x2" 14ga. ANGLE CLIP
SECURE TO COLUMN AND RAFTER
WITH #12-14 x 3/4" S.D.F. (2)
ON TOP AND (2) ON BOTTOM

LEAN-TO SINGLE RAFTER / BUILDING FRAME (FLUSH) CONNECTION DETAIL

1A

S15F

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



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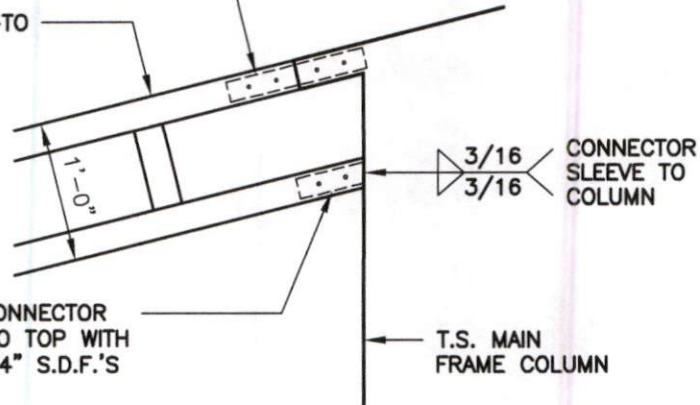
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S15F

LEAN-TO / MAIN FRAME CONNECTION DETAILS

12" LONG 14ga. CONNECTOR
SLEEVE SECURE TO TOP WITH
(8) #12-14 x 3/4" S.D.F.'S

T.S. LACED LEAN-TO
TRUSS

6" LONG 14ga. CONNECTOR
SLEEVE SECURE TO TOP WITH
(4) #12-14 x 3/4" S.D.F.'S



LEAN-TO SINGLE RAFTER / BUILDING FRAME
(FLUSH) CONNECTION DETAIL

1
S15G

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



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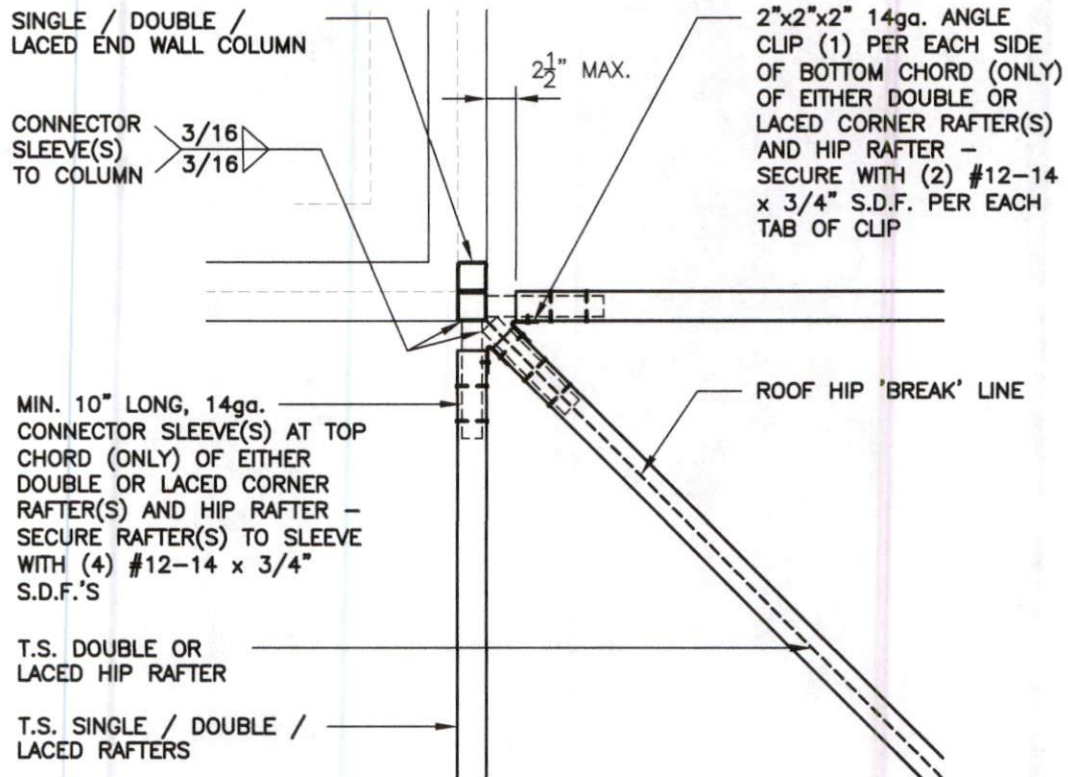
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END WALL COLUMN / HIP RAFTER CONNECTION DETAIL



END WALL COLUMN / HIP RAFTER
CONNECTION DETAIL

1
S15H

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



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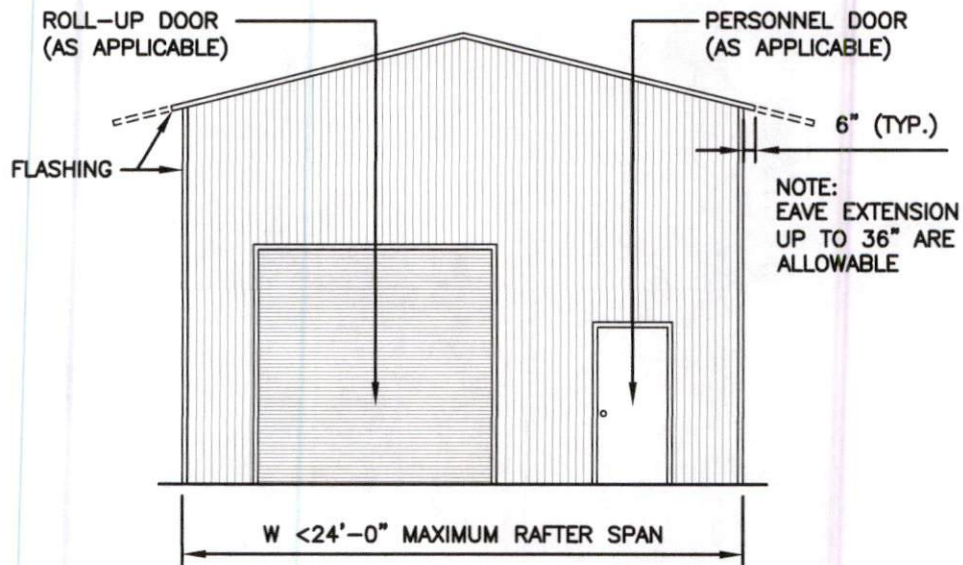
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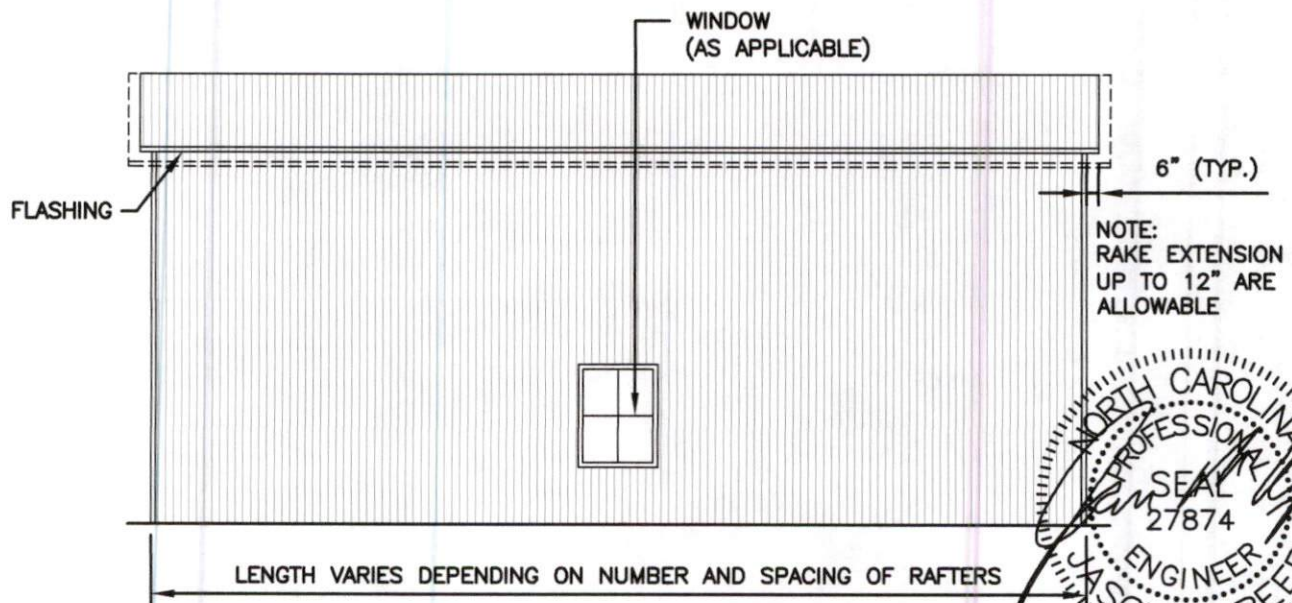
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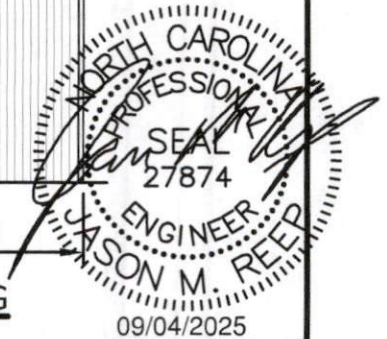
VERTICAL ROOF / SIDING OPTION



TYPICAL END ELEVATION - VERTICAL ROOF / SIDING



TYPICAL SIDE ELEVATION - VERTICAL ROOF / SIDING



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VERTICAL ROOF / SIDING OPTION

1.125"-18 GA. HAT CHANNELS
FASTENED TO EACH RAFTER
WITH (2) #12-14x3/4" S.D.F.
SPACED AT 4'-0"oc MAX.

29ga. GALVANIZED
METAL ROOF AND
WALL PANELS
FASTENED TO HAT
CHANNELS, GIRTS,
POST

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.

T.S. SINGLE OR
DOUBLE COLUMN

T.S. GIRTS SPACED
AT 5'-0"oc (MAX.)

W <24'-0" MAXIMUM RAFTER SPAN

TYPICAL SECTION VERTICAL ROOF / SIDING OPTION



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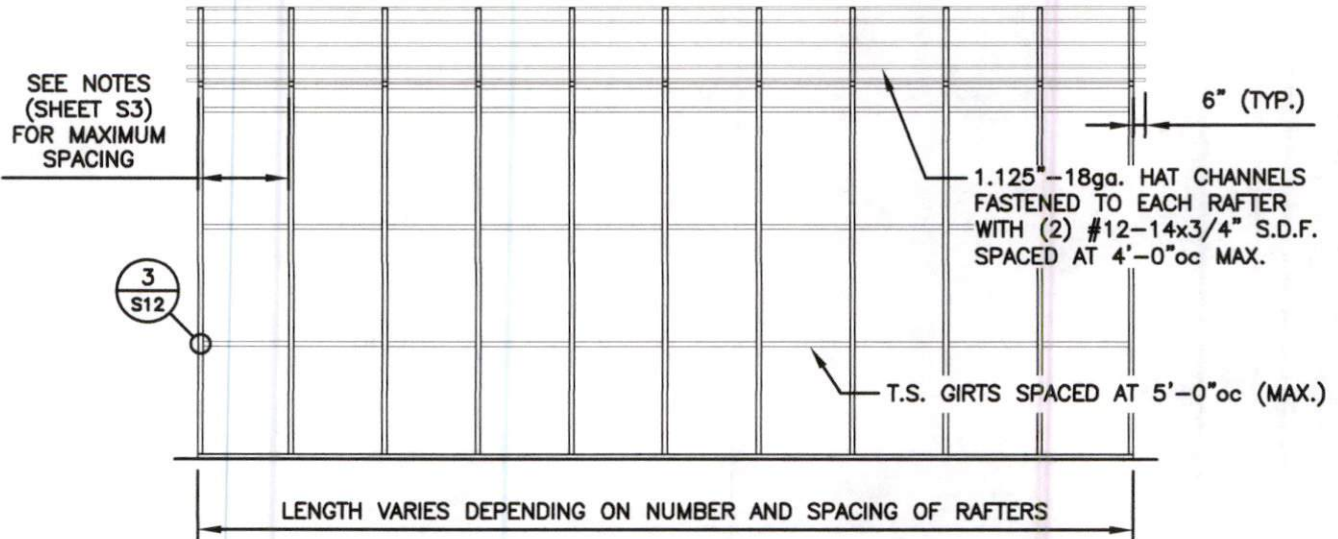
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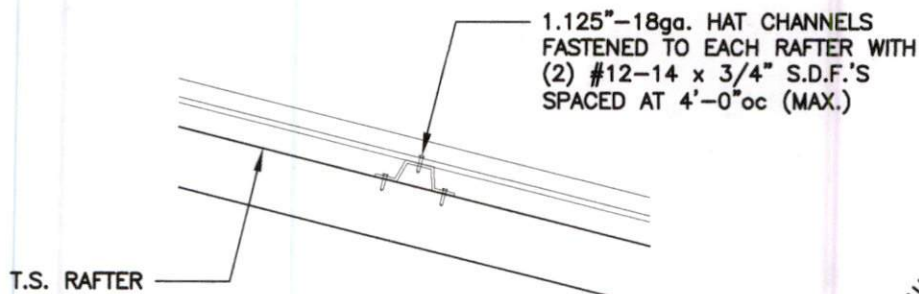
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VERTICAL ROOF / SIDING OPTION



TYPICAL SIDE FRAMING SECTION VERTICAL ROOF / SIDING OPTION



(TYPICAL) ROOF PANEL ATTACHMENT



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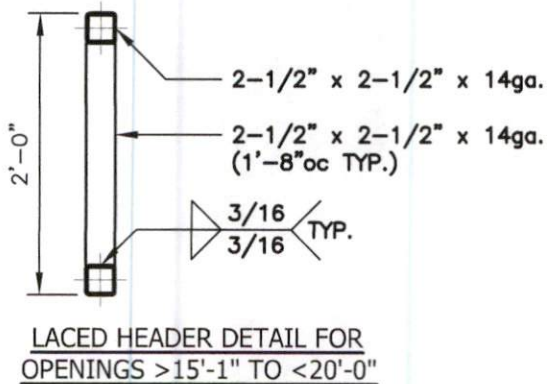
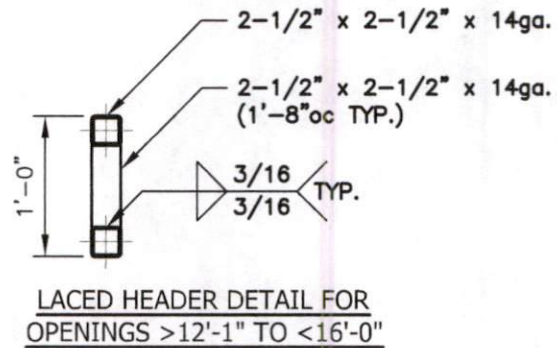
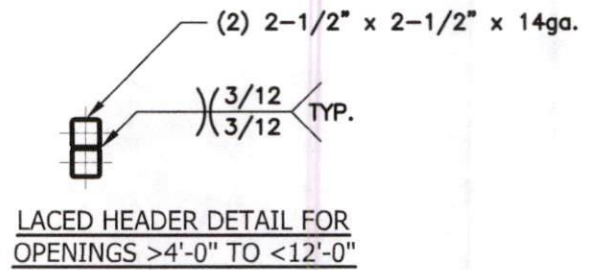
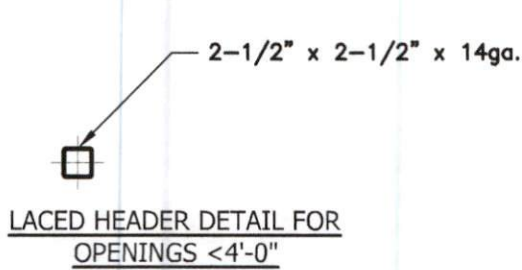
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SIDE WALL HEADER OPTIONS



GENERAL NOTE:

PROVIDE DOUBLE WYTHE HEADER
ON DOUBLE COLUMNS.



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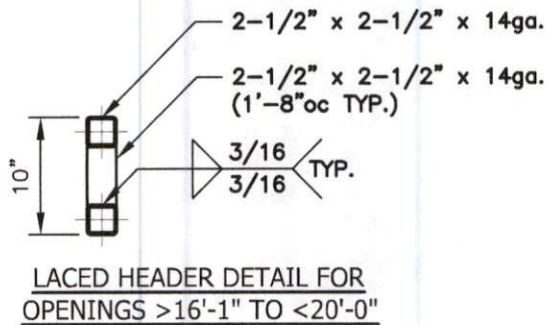
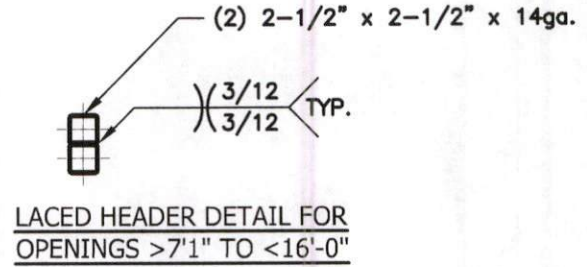
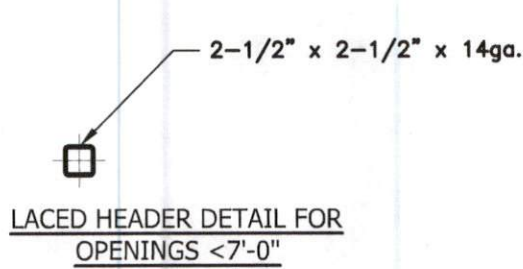
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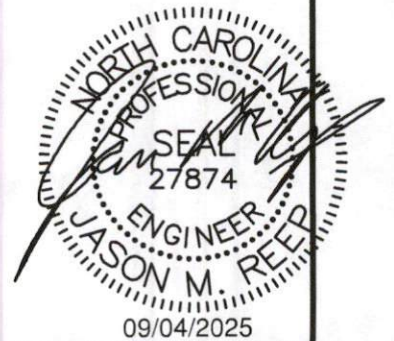
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END WALL HEADER OPTIONS



GENERAL NOTE:

PROVIDE DOUBLE WYTHE HEADER
ON DOUBLE COLUMNS



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V2.0

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Eagle Carports

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CORPORATE HEADQUARTERS
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