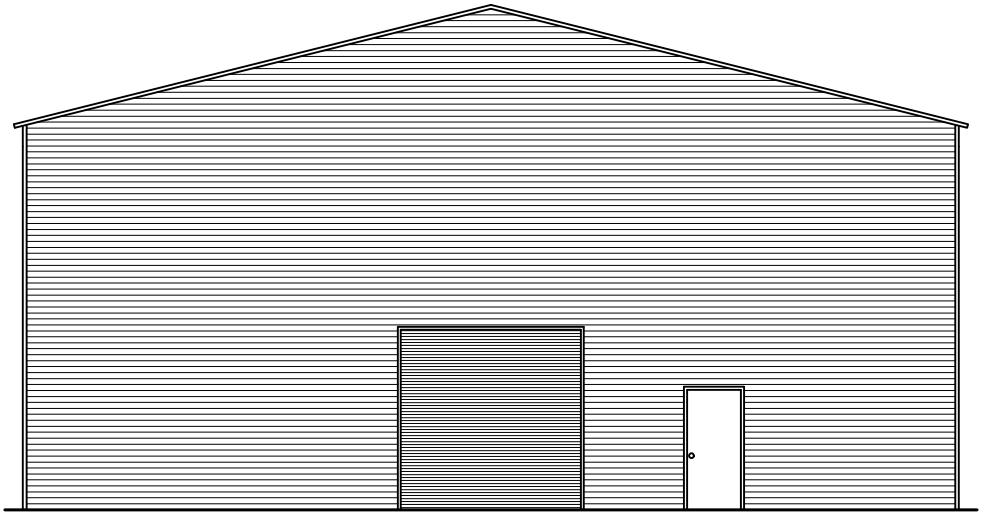

ENCLOSED GABLE END BUILDING

MIN. 31' TO MAX. 60' WIDE X 20' EAVE HEIGHT WITH BOX FRAME / (UP TO) 145 M.P.H. WIND ZONE – 35 P.S.F. SNOW LOAD

FOR:

Tyler Heishman
2603 Abattoir Rd
Coats, NC 27521

ISSUE DATE: 12/12/2024

FIVE STAR METAL BUILDINGS

TAYLOR & VIQUESNEY
STRUCTURAL ENGINEERS

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

THESE PLANS HAVE BEEN PROPERLY EXAMINED BY THE UNDERSIGNED.I DETERMINED THAT THEY COMPLY WITH EXISTING LOCAL NORTH CAROLINA CODES AND ARE APPROPRIATE FOR USE IN THIS AREA

JCMT Associates, PLLC
211 Stone Drive / Pilot Mountain, NC 27041
336-399-6277

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

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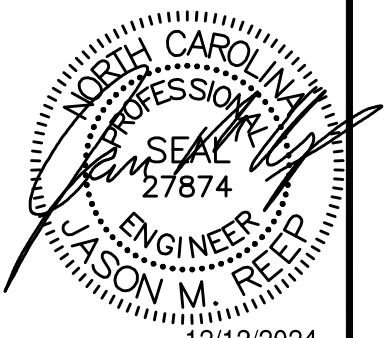
SHEET INDEX



12/12/2024

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Tyler Heishman
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Coats, NC 27521

DRAWN BY:	PROJECT NO:
BKS	0724-0122
DATE:	**SHEET NO:**
12/12/24	**S2**

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

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:		15	
WIND LOAD:	BASIC WIND SPEED	117	M.P.H. ASCE 7-10
	EXPOSURE CATAGORY	C	

*DRIFT LOAD HAS NOT BEEN CALCULATED

SEISMIC DESIGN CATAGORY ☐ A ☑ B ☐ C ☐ D

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:

OCCUPANCY CATEGORY II

SPECTRAL RESPONSE ACCELERATION Ss 17.4 %g S1 8.3 %g

SITE CLASSIFICATION D [.] FIELD TEST [X] PRESUMPTIVE [.] HISTORICAL DATA

BASIC STRUCTURAL SYSTEM (CHECK ONE)

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

ANALYSIS PROCEDURE . SIMPLIFIED X EQUIVALANT LATERAL FORCE . MODAL

LATERAL DESIGN CONTROL? . EARTHQUAKE X WIND

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

GENERAL NOTES:

1. MAX FRAME SPACING SHALL BE 48"oc UNLESS NOTED OTHERWISE.
2. MAX. END-WALL COLUMN SPACING SHALL BE 48"oc UNLESS NOTED OTHERWISE.
3. TUBE MATERIAL SHALL BE 2-1/2" x 2-1/2" x 14ga. 50 K.S.I. MIN. UNLESS NOTED OTHERWISE.
4. ALL FASTENERS SHALL BE #12 SELF TAPPING AT 9"oc. UNLESS NOTED OTHERWISE.
5. 1,500 P.S.F. ASSUMED BEARING CAPACITY UNLESS NOTED OTHERWISE.

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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DRAWN BY: BKS	PROJECT NO: 0724-0122
DATE: 12/12/24	SHEET NO: S3

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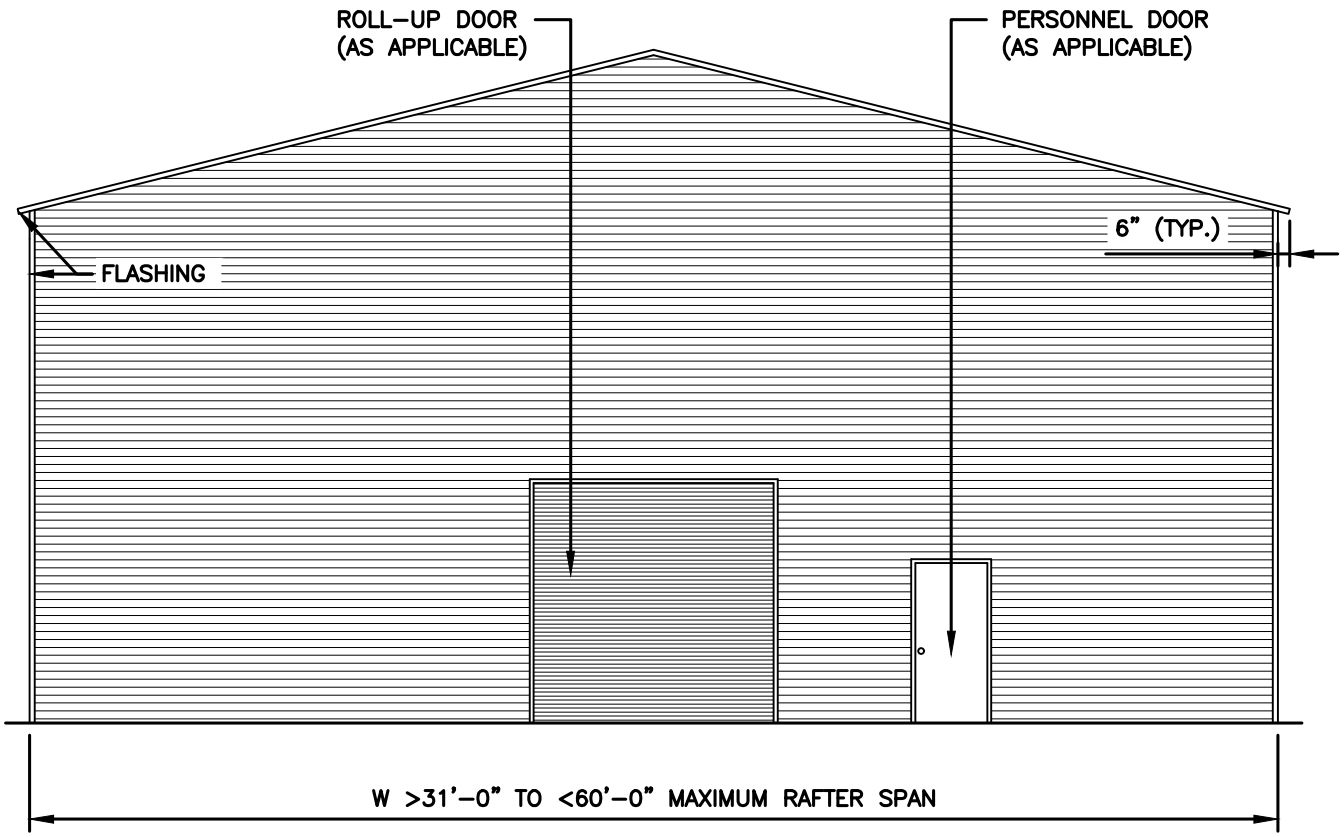
BOX EVE FRAME RAFTER STURCTURE



TYPICAL END ELEVATION

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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DATE:	SHEET NO:
12/12/24	S4

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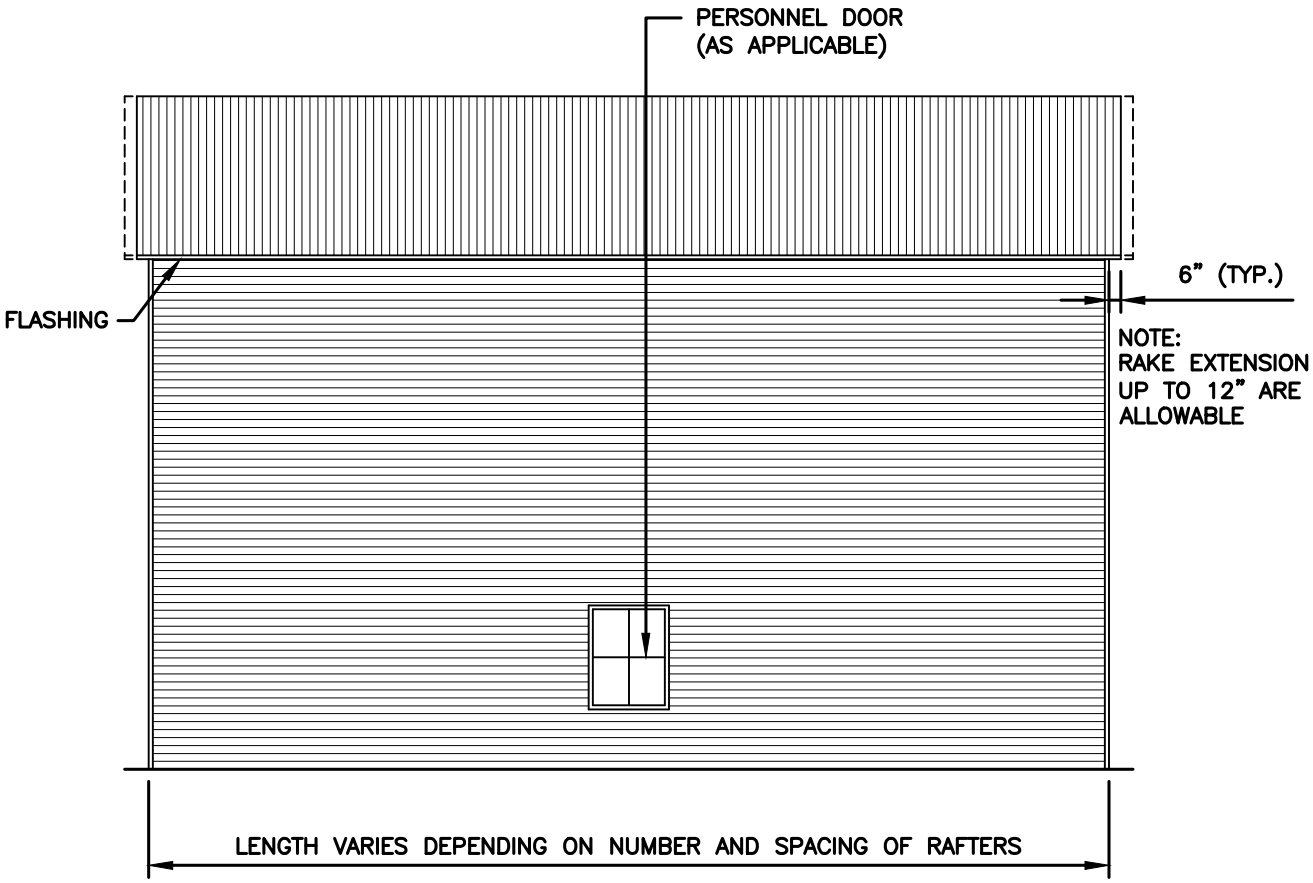
BOX EVE FRAME RAFTER STURCTURE



TYPICAL SIDE ELEVATION

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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12/12/24	S4A

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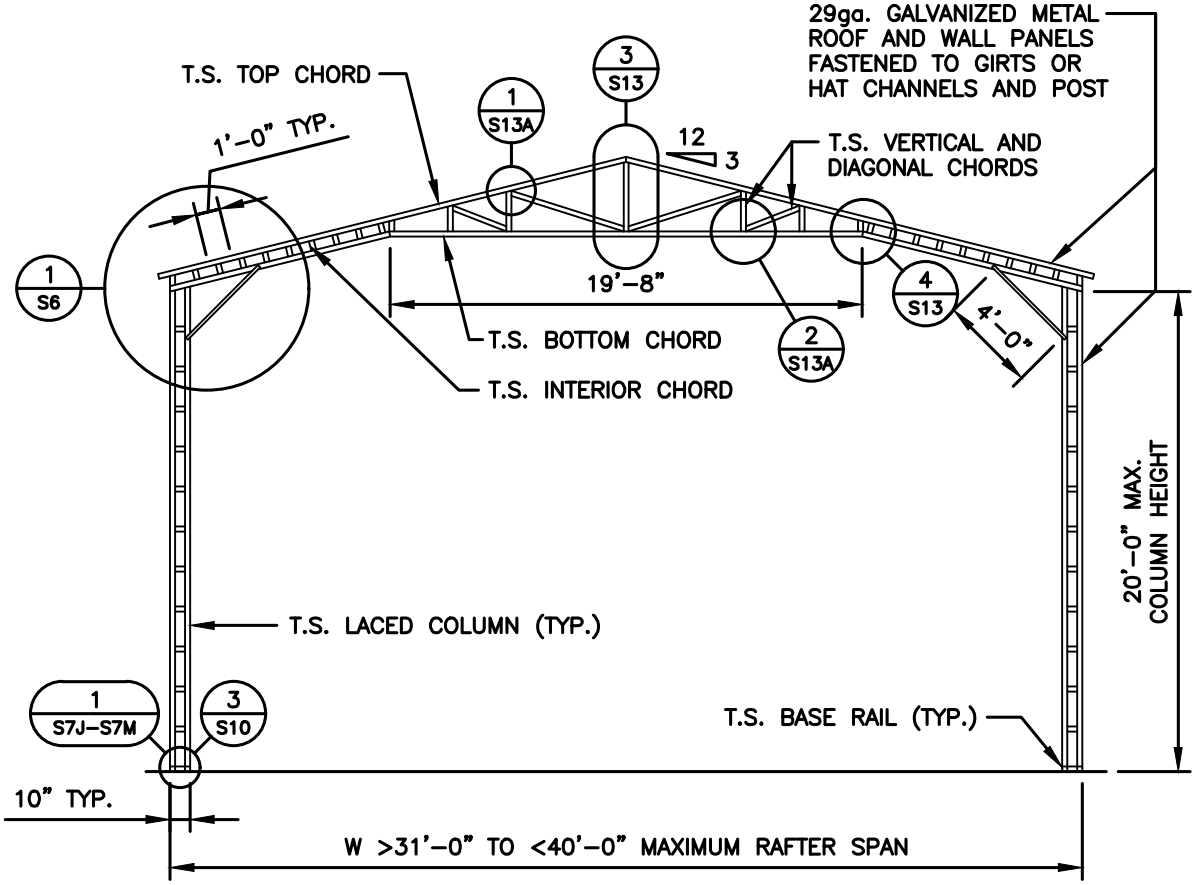
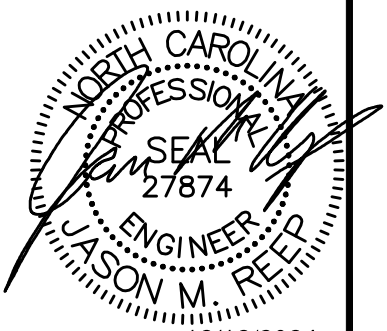
>31' TO <40'



TYPICAL RAFTER / COLUMN FRAME SECTION



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BKS	0724-0122
DATE:	**SHEET NO:**
12/12/24	**S5**

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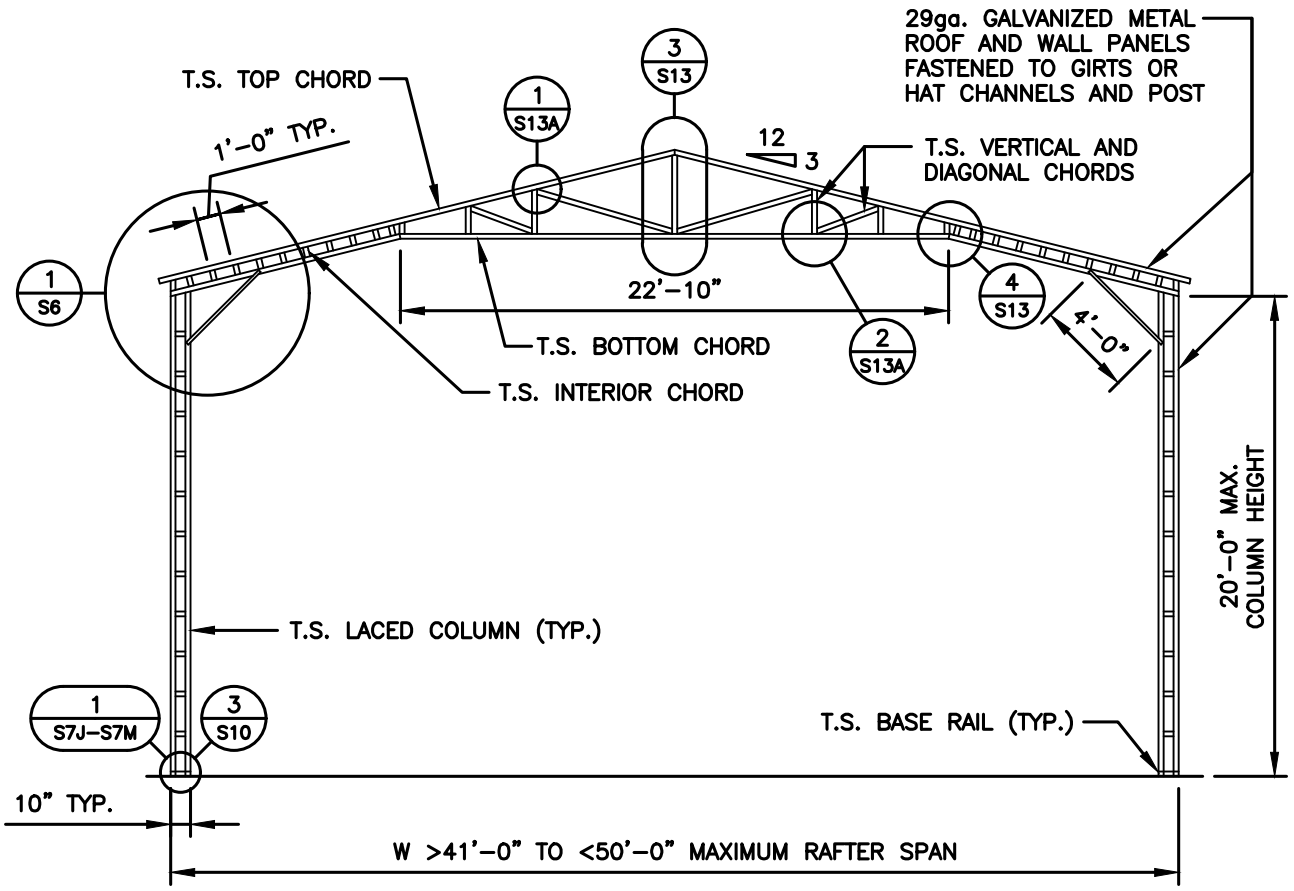
>41' TO <50'



TYPICAL RAFTER / COLUMN FRAME SECTION

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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12/12/24	S5A

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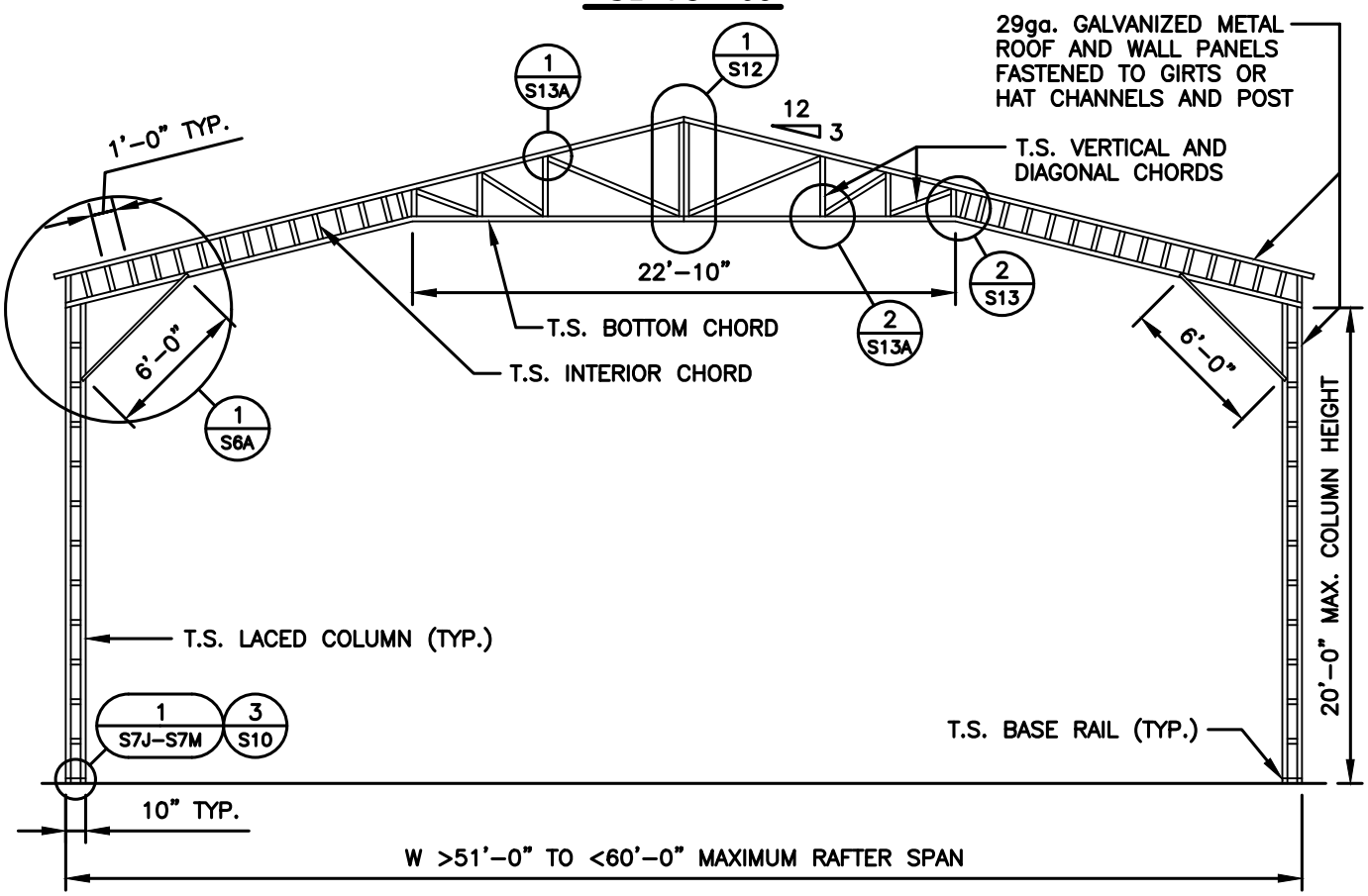
>51' TO <60'



TYPICAL RAFTER / COLUMN FRAME SECTION

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BKS	0724-0122
DATE:	SHEET NO:
12/12/24	S5B

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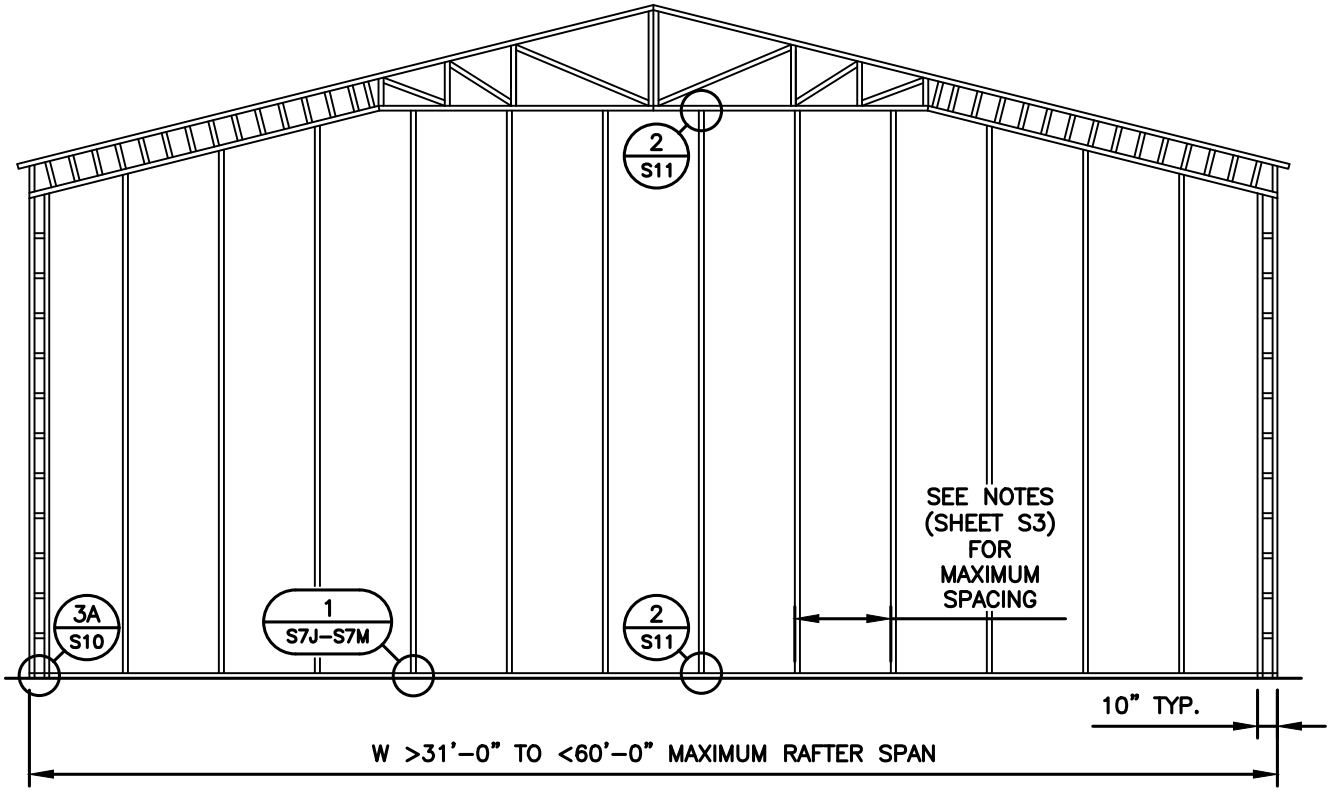
TYPICAL FRAME SECTIONS



TYPICAL RAFTER / COLUMN / END WALL FRAME SECTION

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

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DATE:	SHEET NO:
12/12/24	S5C

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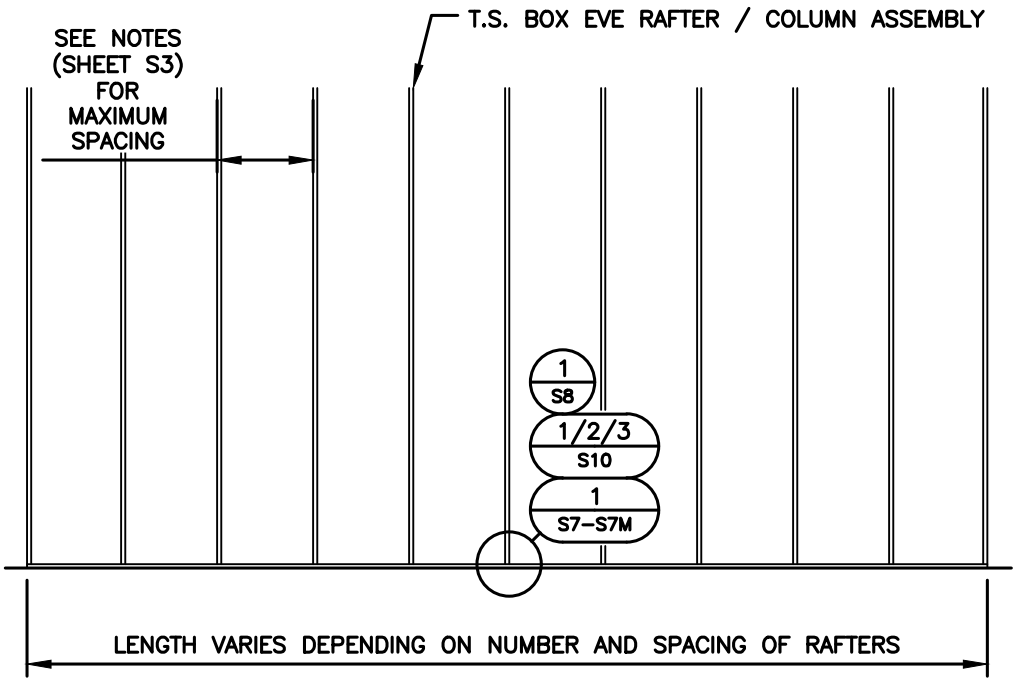
TYPICAL FRAME SECTIONS



TYPICAL RAFTER / COLUMN SIDE FRAME SECTION

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

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BKS	0724-0122
DATE:	SHEET NO:
12/12/24	S5D

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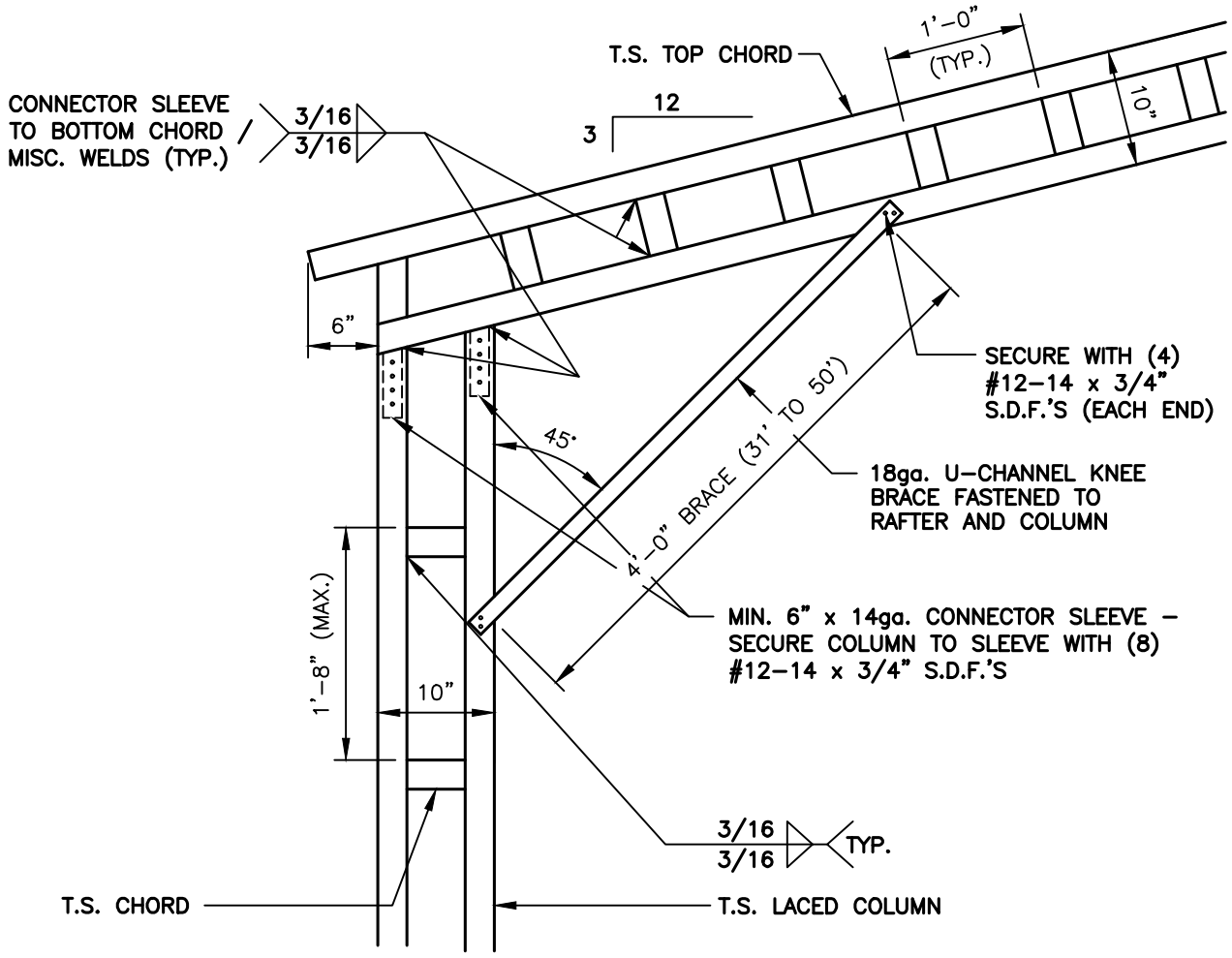
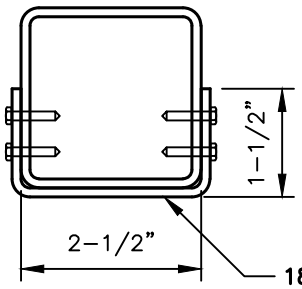
>31'-0" TO <50'-0"



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS <20'-0"

1
S6

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.

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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12/12/24	S6

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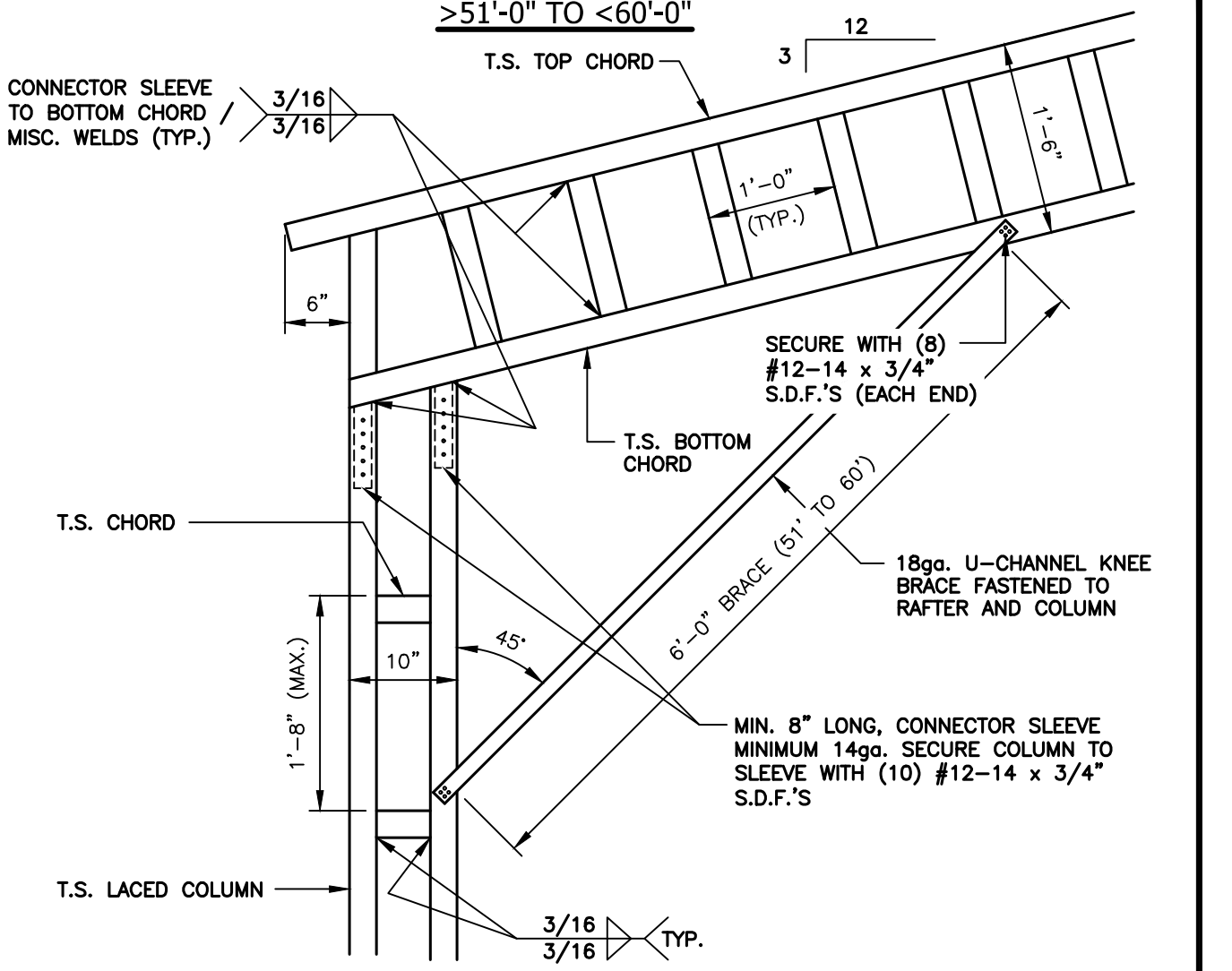
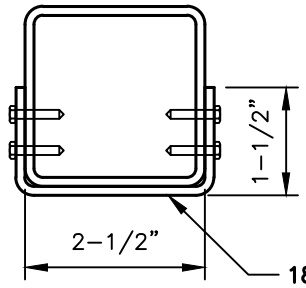
>51'-0" TO <60'-0"



BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS <20'-0"

1 / S6A

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



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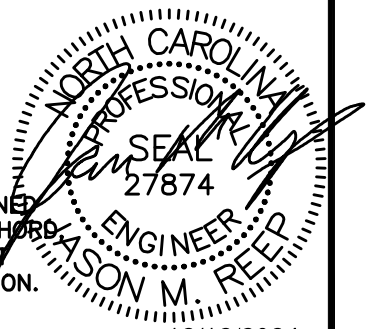

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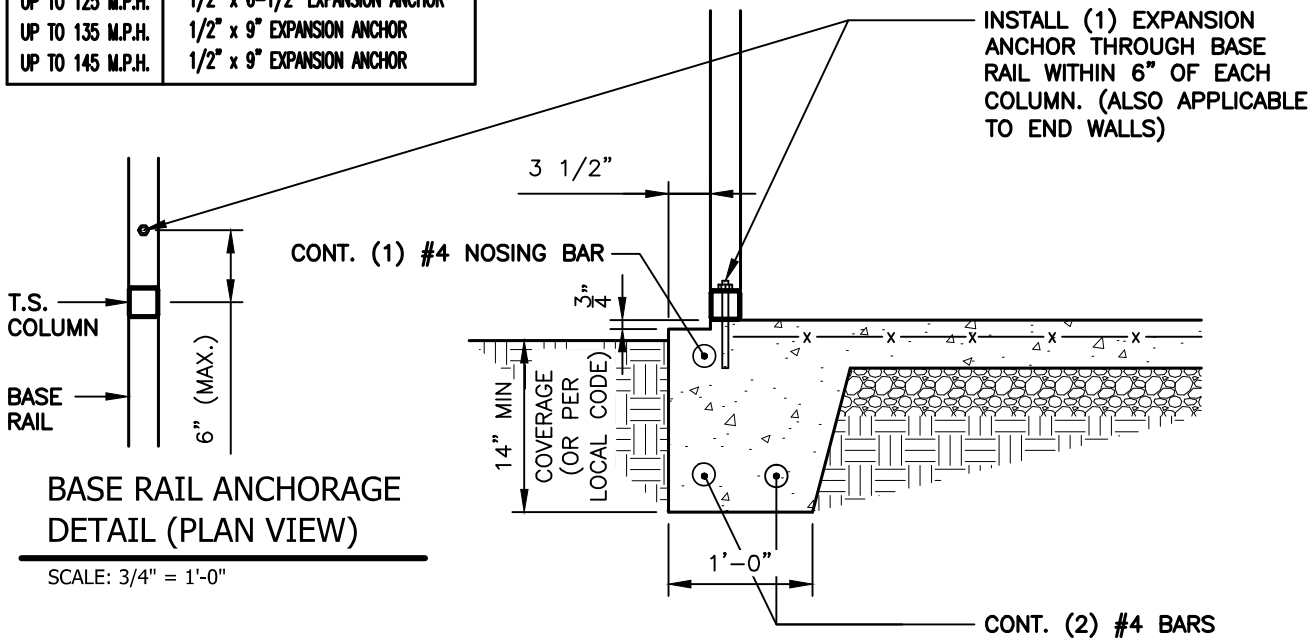
CONCRETE BASE RAIL ANCHORAGE (LEAN-TO'S ONLY)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 135 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 145 M.P.H.	1/2" x 9" EXPANSION ANCHOR



BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1 / S7 BASE RAIL ANCHORAGE DETAIL

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

GENERAL NOTES:

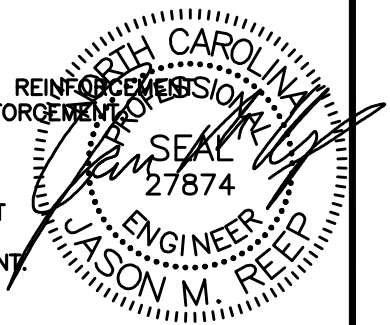
ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 P.S.F.

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 MAT BE BENT IN THE SHOP OF 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.



12/12/2024

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12/12/24	S7

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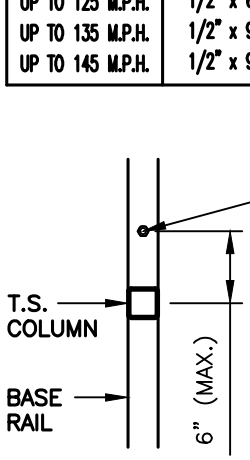
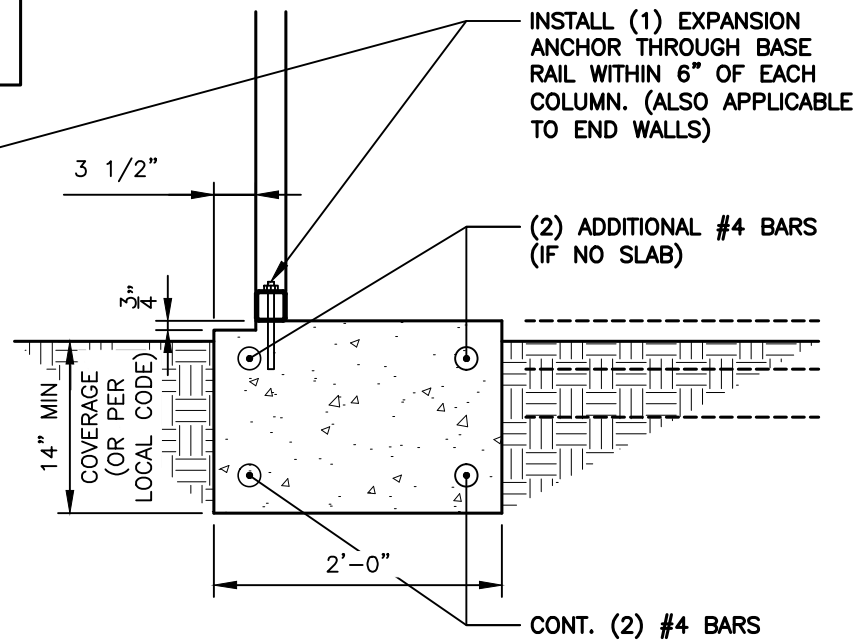
CONCRETE BASE RAIL ANCHORAGE (NO SLAB / LEAN-TO'S ONLY)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 135 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 145 M.P.H.	1/2" x 9" EXPANSION ANCHOR



BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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



1 / S7A BASE RAIL ANCHORAGE DETAIL (NO SLAB)

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:
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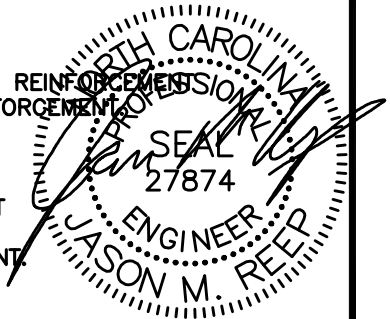

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CONCRETE BASE RAIL ANCHORAGE (NO LEDGE / LEAN-TO'S ONLY)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
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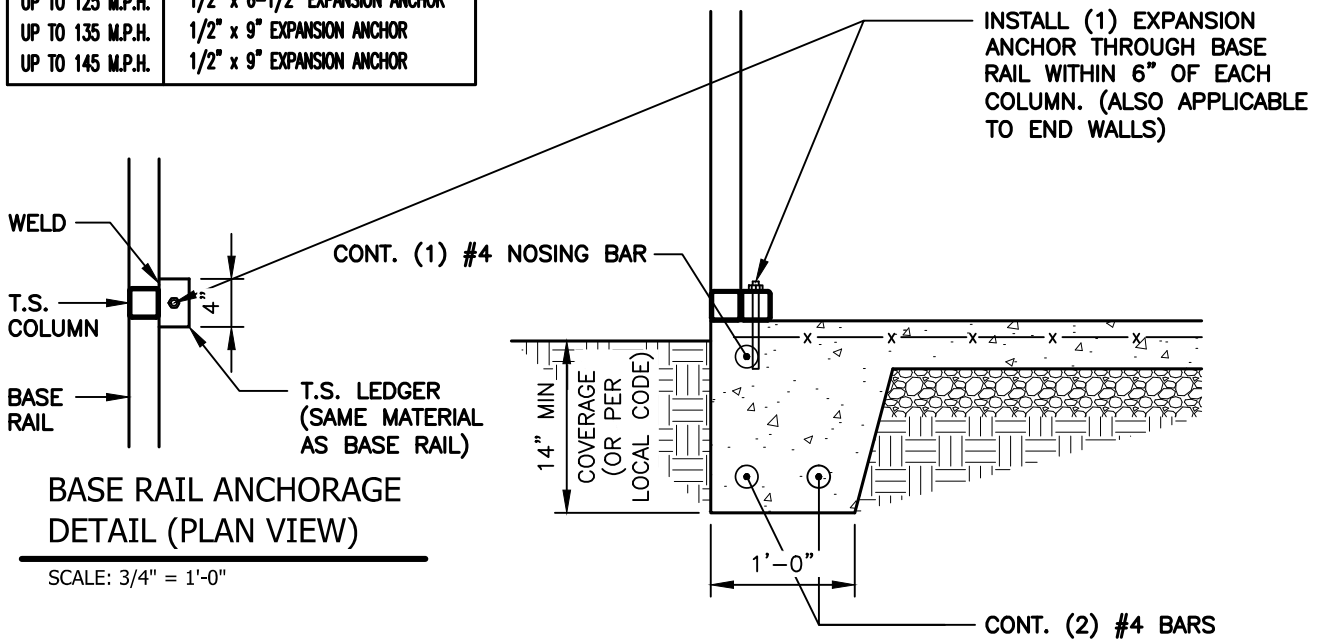

BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1 / S7B BASE RAIL ANCHORAGE DETAIL

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:
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REINFORCING STEEL:
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REINFORCEMENT MAT BE BENT IN THE SHOP OF THE FIELD PROVIDED:
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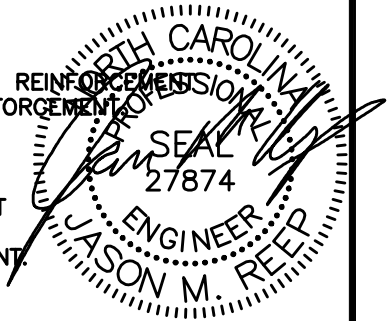

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Tyler Heishman
2603 Abattoir Rd
Coats, NC 27521

DRAWN BY:	PROJECT NO:
BKS	0724-0122
DATE:	SHEET NO:
12/12/24	S7B

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

CONCRETE BASE RAIL ANCHORAGE (NO LEDGE / NO SLAB / LEAN-TO'S ONLY)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
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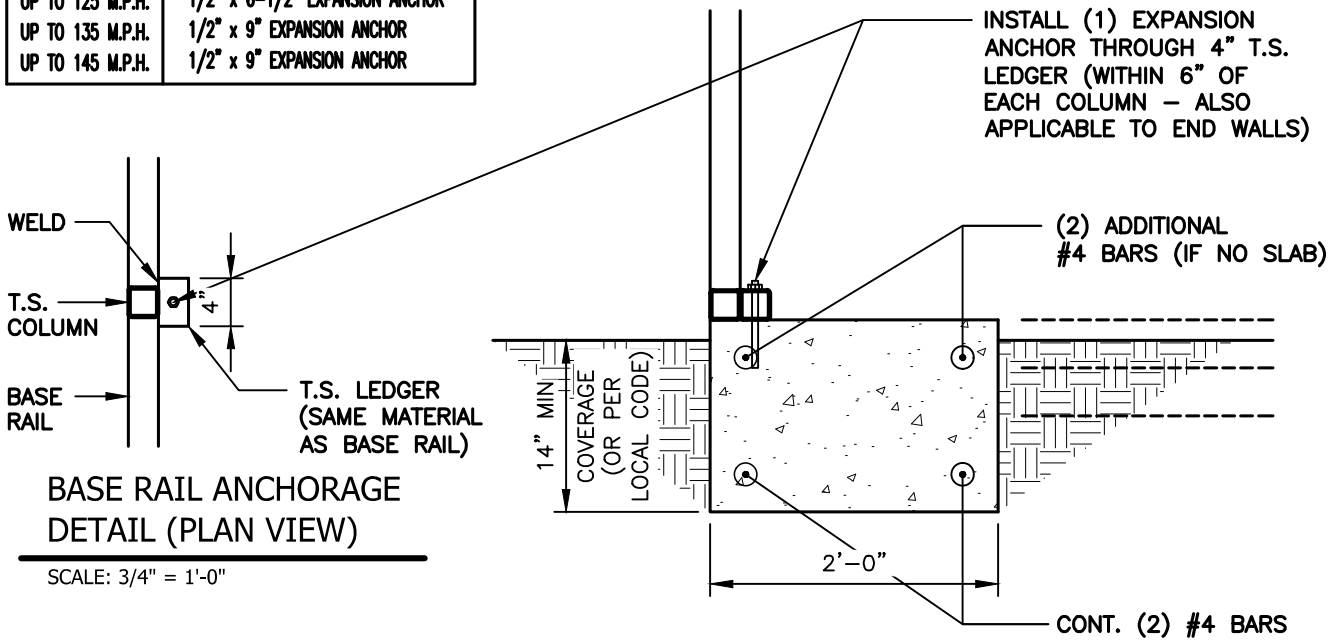

BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1 / S7C BASE RAIL ANCHORAGE DETAIL (NO SLAB)

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

GENERAL NOTES:

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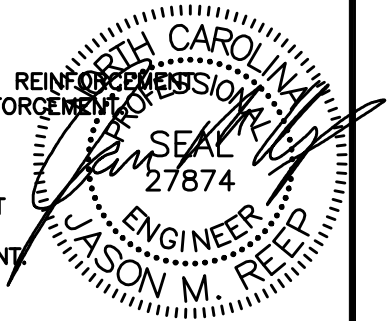

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CONCRETE BASE RAIL ANCHORAGE (CLIP ANGLE ATTACHMENT OPTION)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
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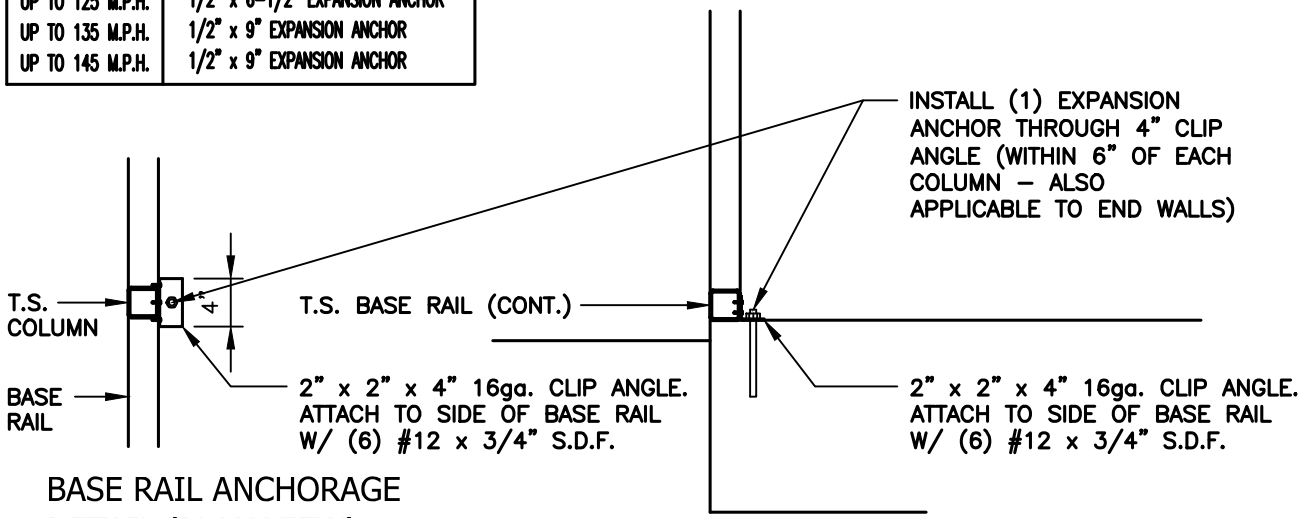
UP TO 145 M.P.H.	1/2" x 9" EXPANSION ANCHOR



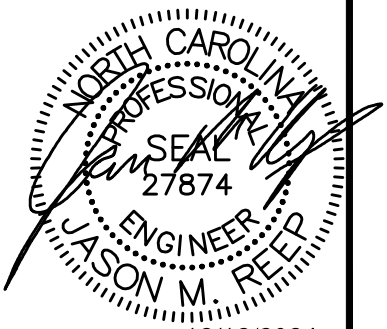
BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1 / S7D

BASE RAIL ANCHORAGE DETAIL (CLIP ANGLE ATTACHMENT OPTION)

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



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CONCRETE BASE RAIL ANCHORAGE (LEAN-TO ONLY)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
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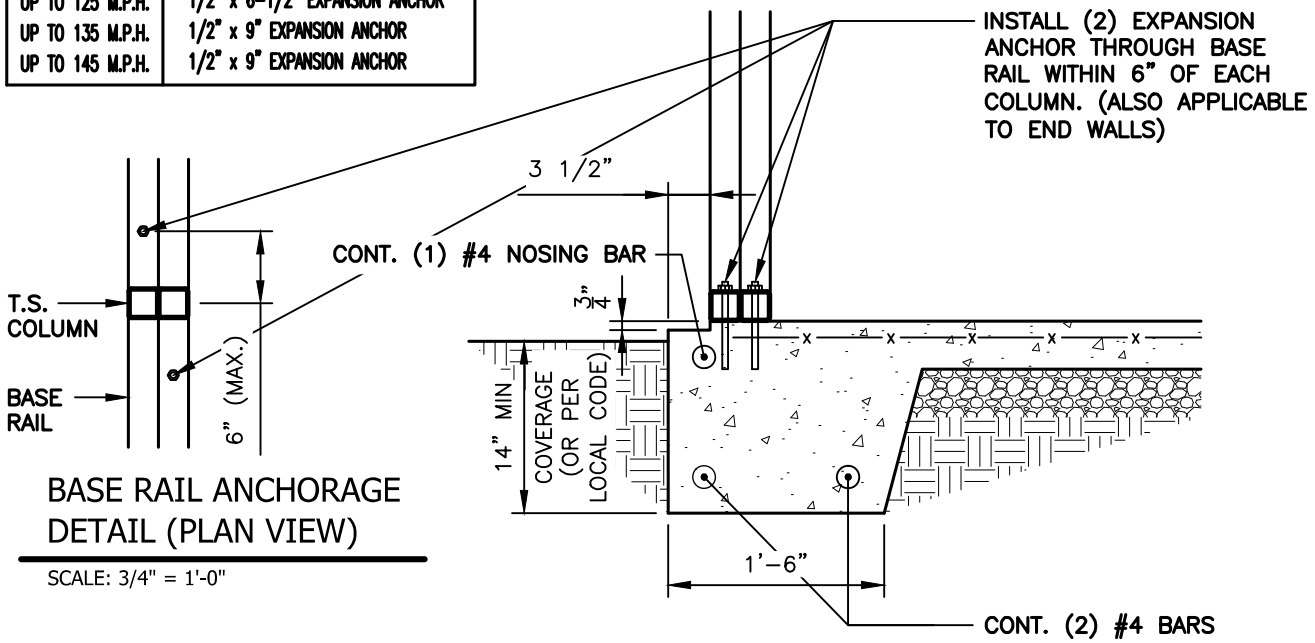

BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1 / S7E BASE RAIL ANCHORAGE DETAIL

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

GENERAL NOTES:

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NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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CONCRETE BASE RAIL ANCHORAGE (NO SLAB - LEAN-TO ONLY)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
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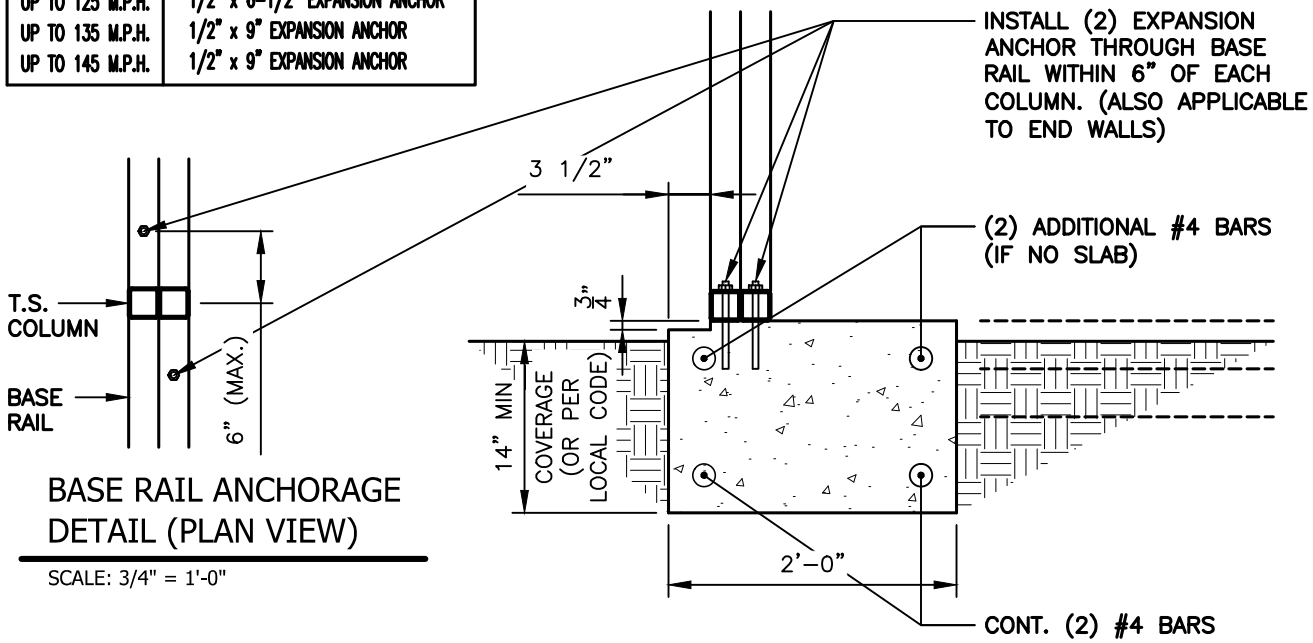

BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1 / S7F BASE RAIL ANCHORAGE DETAIL (NO SLAB)

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

GENERAL NOTES:

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NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REER

12/12/2024

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12/12/24	S7F

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CONCRETE BASE RAIL ANCHORAGE (NO LEDGE - LEAN-TO ONLY)

ANCHORAGE BOLT SCHEDULE	
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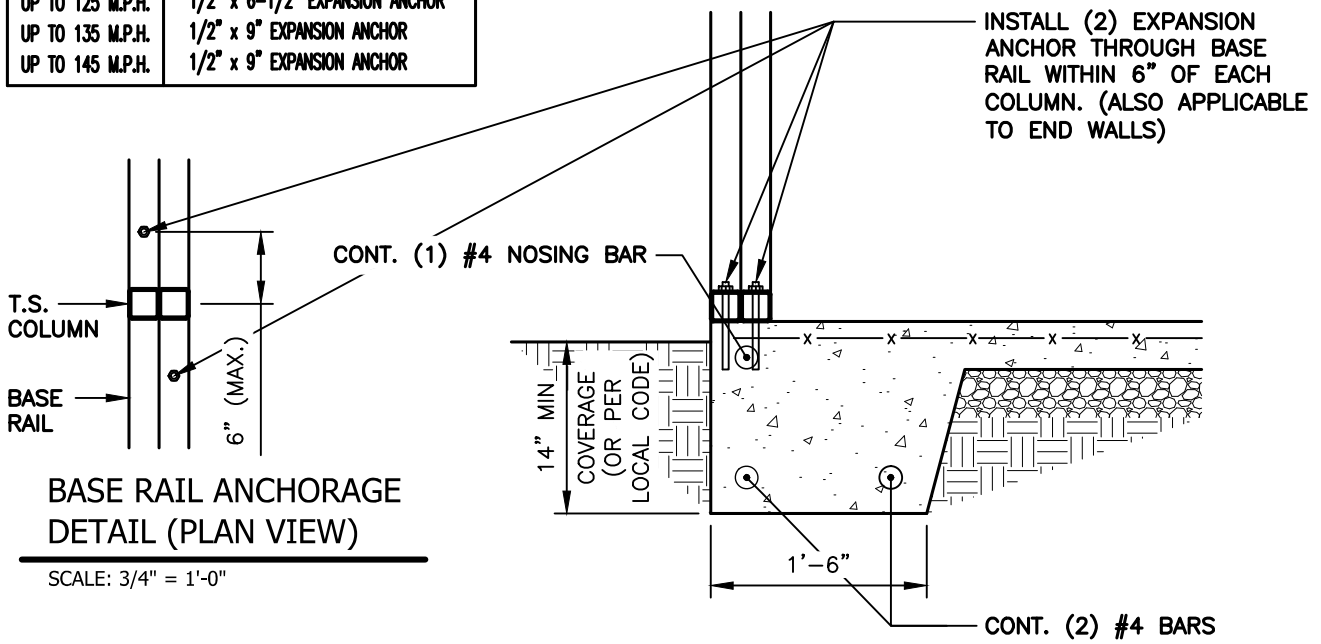

BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1 / S7G BASE RAIL ANCHORAGE DETAIL

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

GENERAL NOTES:

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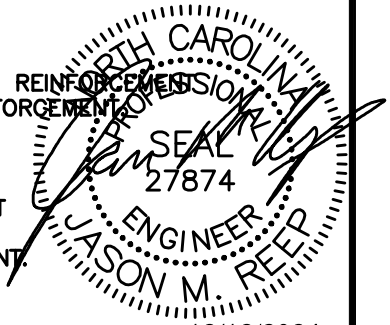

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CONCRETE BASE RAIL ANCHORAGE (NO LEDGE / NO SLAB - LEAN-TO ONLY)

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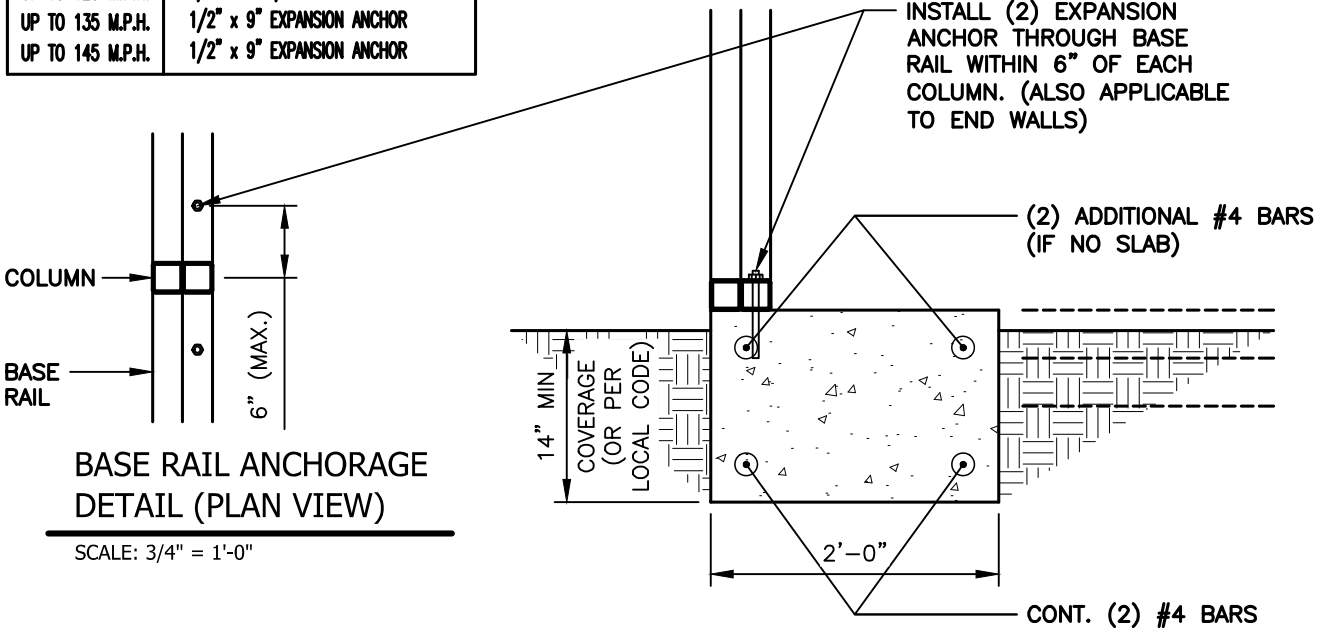

BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1 / S7H BASE RAIL ANCHORAGE DETAIL

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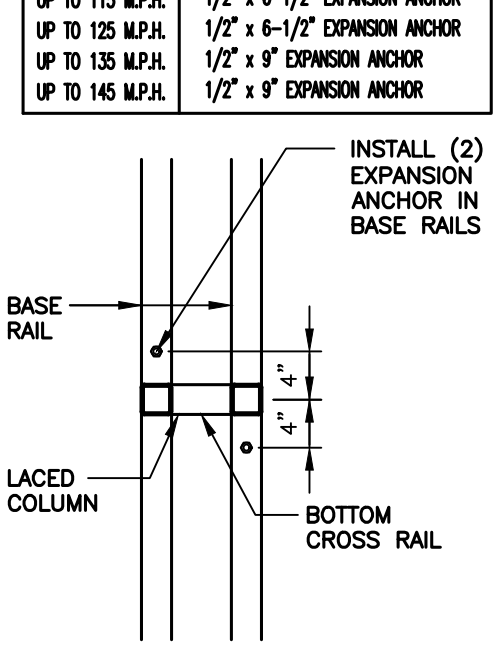

ANCHORAGE DETAIL (PLAN VIEW)

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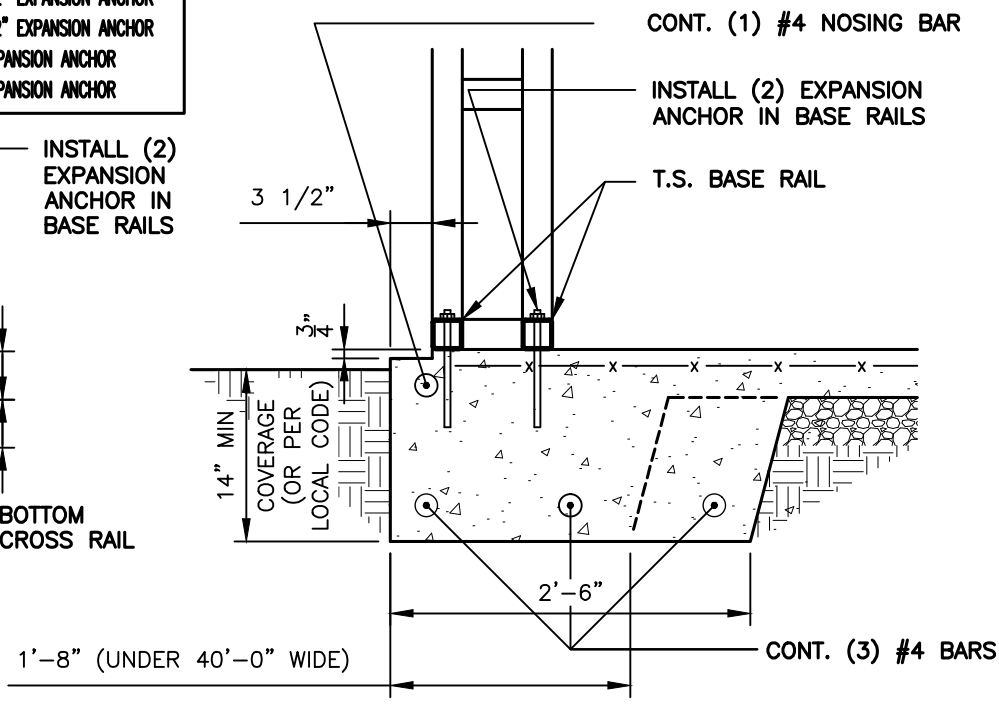

1 / S7J BASE RAIL ANCHORAGE DETAIL

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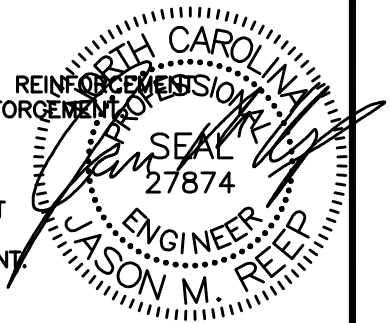

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CONCRETE BASE RAIL ANCHORAGE (NO SLAB)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
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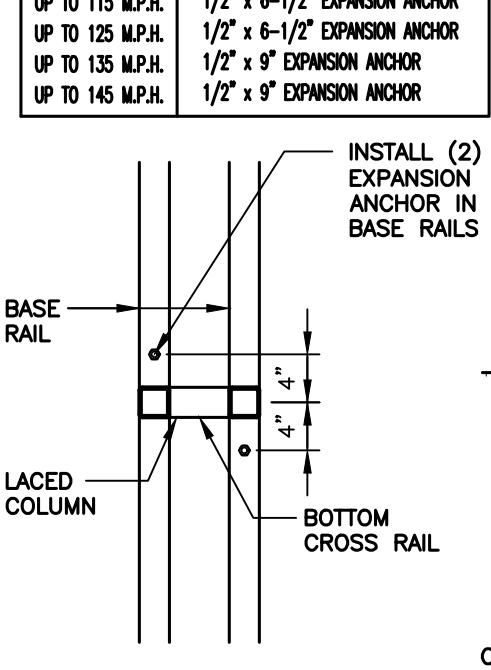
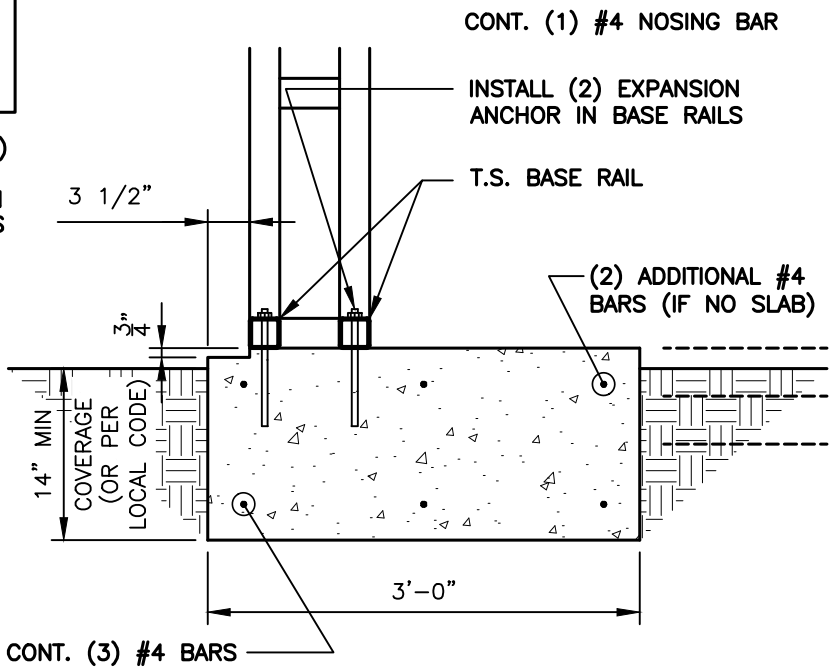
UP TO 135 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 145 M.P.H.	1/2" x 9" EXPANSION ANCHOR



ANCHORAGE DETAIL (PLAN VIEW)

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



1 / S7K BASE RAIL ANCHORAGE DETAIL

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

GENERAL NOTES:

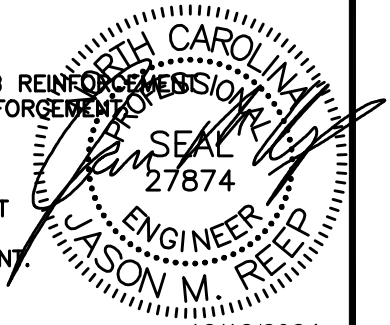
ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 P.S.F.

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 MAT BE BENT IN THE SHOP OF 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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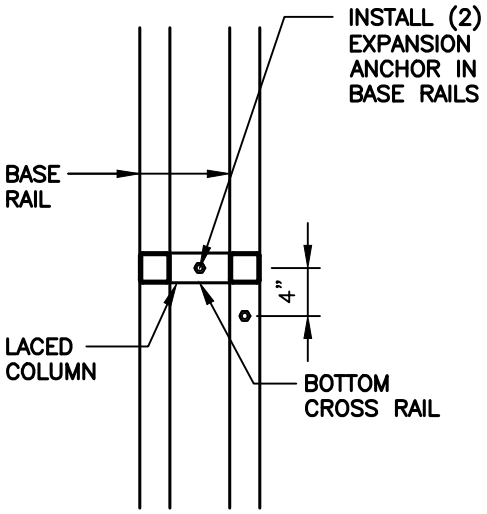
Tyler Heishman
2603 Abattoir Rd
Coats, NC 27521

DRAWN BY:	PROJECT NO:
BKS	0724-0122
DATE:	SHEET NO:
12/12/24	S7K

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

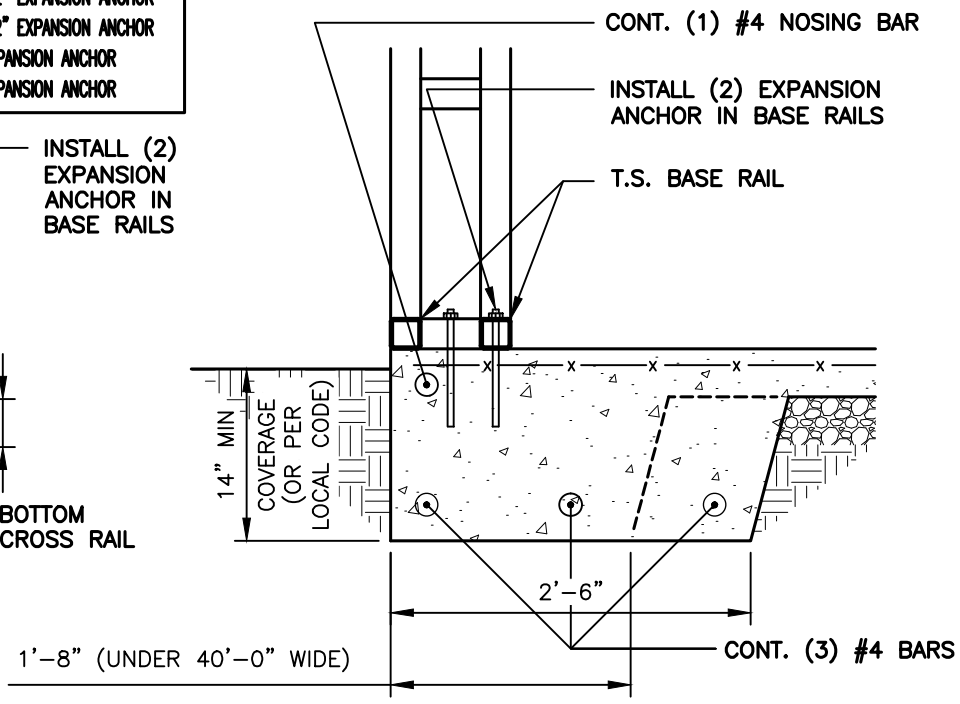
CONCRETE BASE RAIL ANCHORAGE (NO LEDGE)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 135 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 145 M.P.H.	1/2" x 9" EXPANSION ANCHOR



ANCHORAGE DETAIL (PLAN VIEW)

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



1 / S7L BASE RAIL ANCHORAGE DETAIL

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

GENERAL NOTES:

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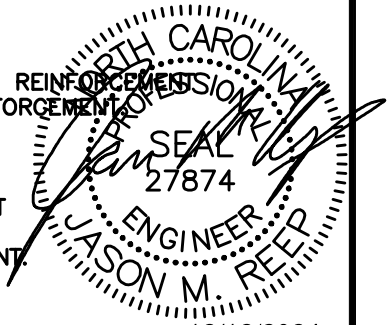

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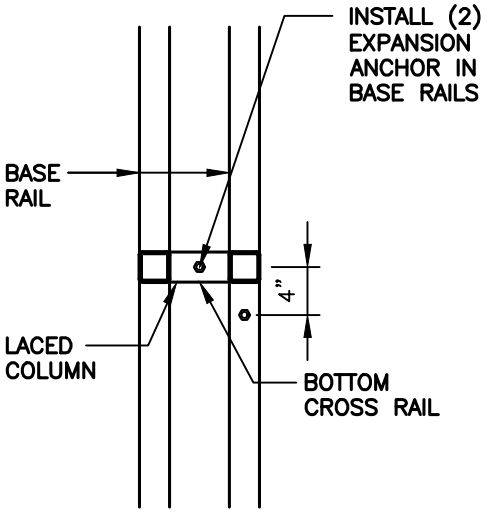
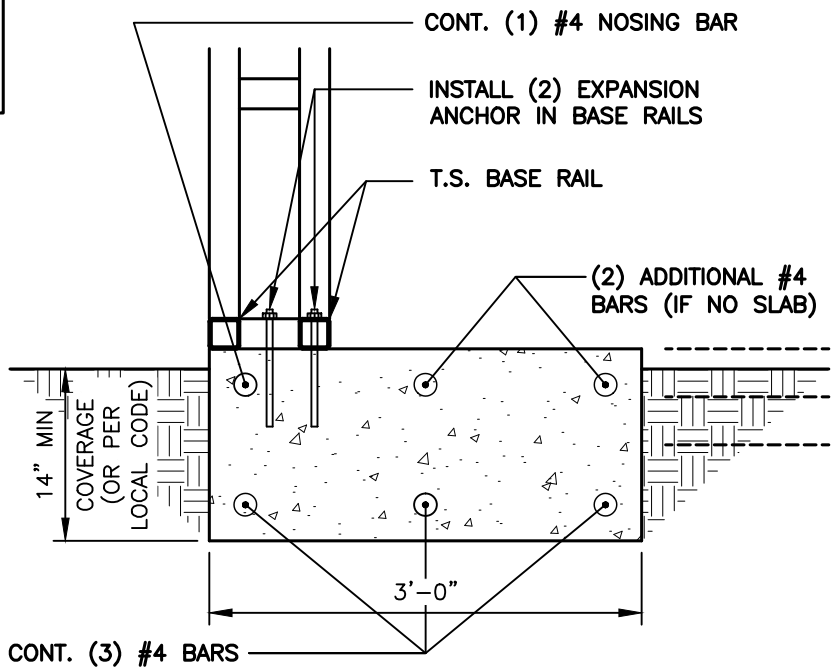
CONCRETE BASE RAIL ANCHORAGE (NO LEDGE / NO SLAB

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 135 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 145 M.P.H.	1/2" x 9" EXPANSION ANCHOR



ANCHORAGE DETAIL (PLAN VIEW)

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



1 / S7M BASE RAIL ANCHORAGE DETAIL

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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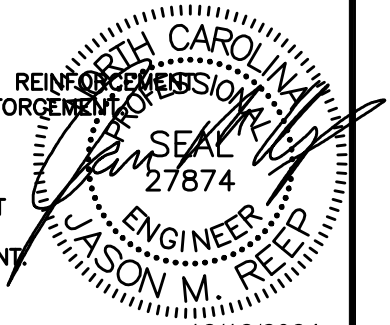

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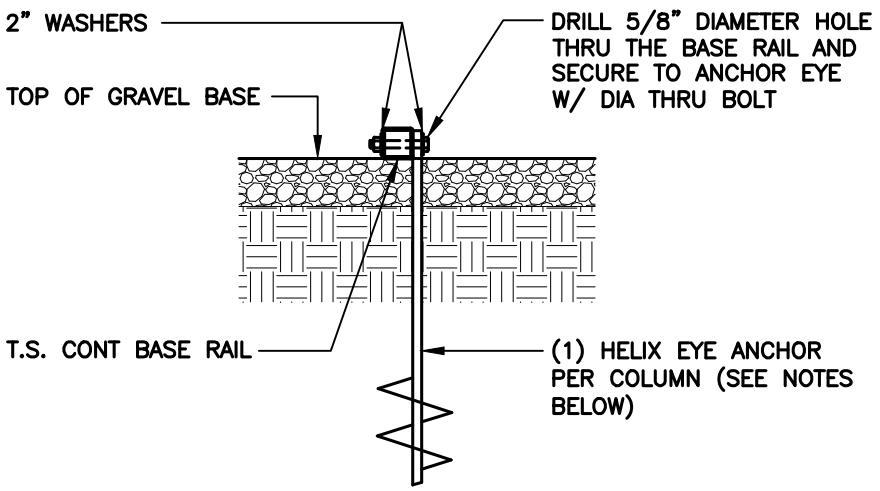
SOIL NAIL BASE RAIL ANCHORAGE



1/S8 BASE RAIL ANCHORAGE DETAIL

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

HELIX EMBEDMENT INFORMATION:

FOR VERY DENSE OR CEMETED SANDS, COARSE GRAVEL, COBBLES, CALICHE, PRELOADED SILT.S. AND CLAYS, USE MIN. (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT – ONE EACH END BASE RAIL AND 20'–0"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 20'–0"oc MAX. WITH #4 REBAR AT 5'–0"oc BETWEEN.

FOR MED DENSE COARSE SANDS, SANDY GRAVEL, VERY STIFF SILT.S., AND CLAYS, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT – ONE EACH END BASE RAIL AND 20'–0"oc MAX. WITH #4 REBAR AT 5'–0"oc BETWEEN.

FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILT.S., USE MIN (2) 6" HELICES WITH MINIMUM 50" EMBEDMENT – ONE EACH END BASE RAIL AND 20'–0"oc MAX. WITH #4 REBAR AT 5'–0"oc BETWEEN.

FOR VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILT.S. AND ALLUVIAL FILL, USE MIN (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT – ONE EACH END BASE RAIL AND 20'–0"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.

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REER

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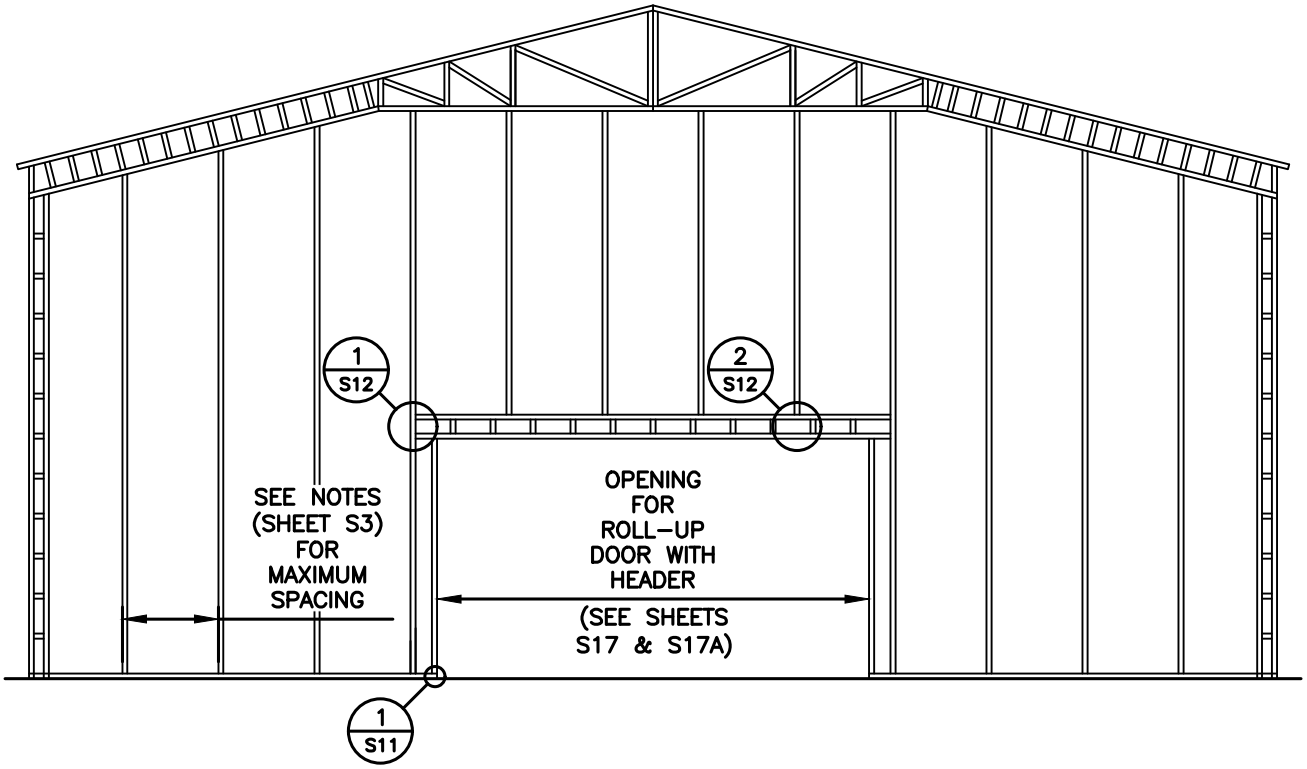
TYPICAL END WALL FRAMING SECTION



TYPICAL END WALL OPENING FRAMING

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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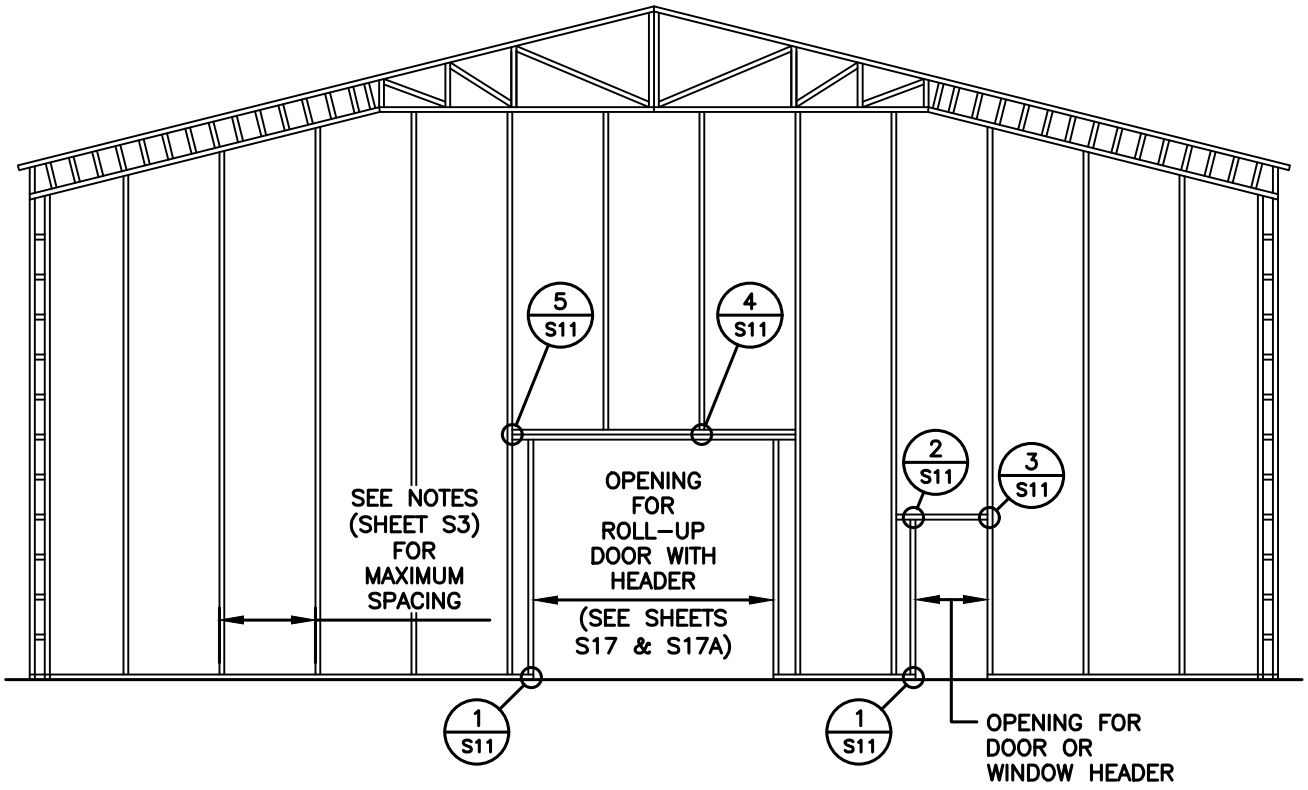
TYPICAL END WALL OPENING FRAMING SECTION



TYPICAL END WALL OPENING FRAMING

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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12/12/24	**S9A**

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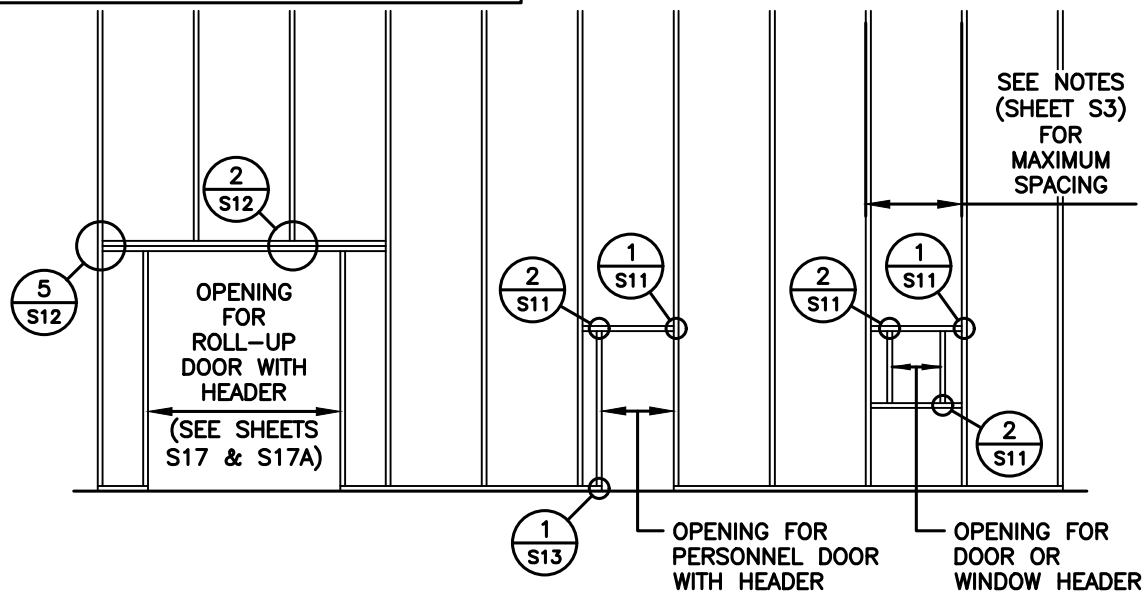
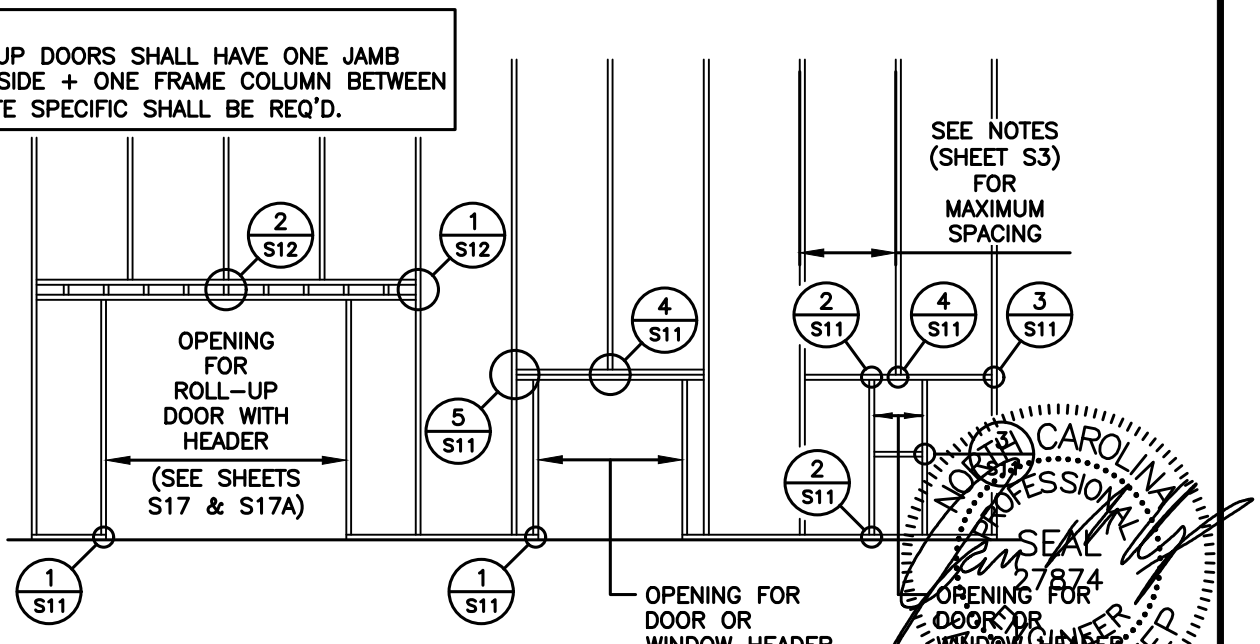
BOX EAVE RAFTER / SIDE WALL OPENINGS FRAMING

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



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 SIDE WALL OPENING FRAMING SECTION

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REER

12/12/2024

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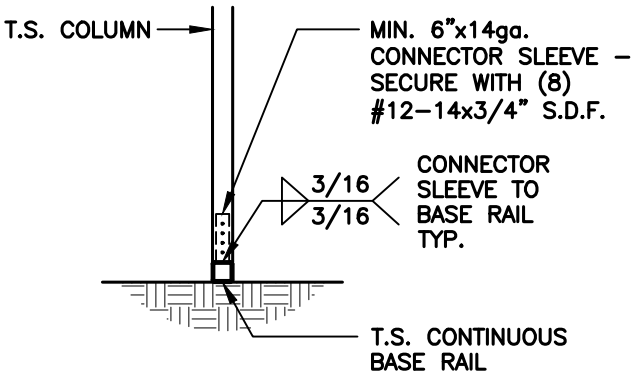
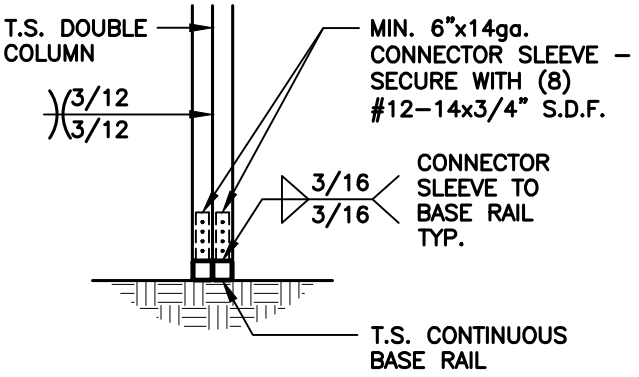
BASE RAIL CONNECTION DETAILS



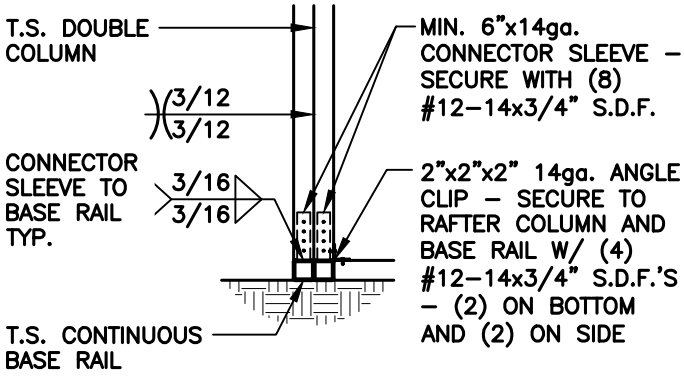
1 S10 COLUMN / BASE RAIL CONNECTION DETAIL

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



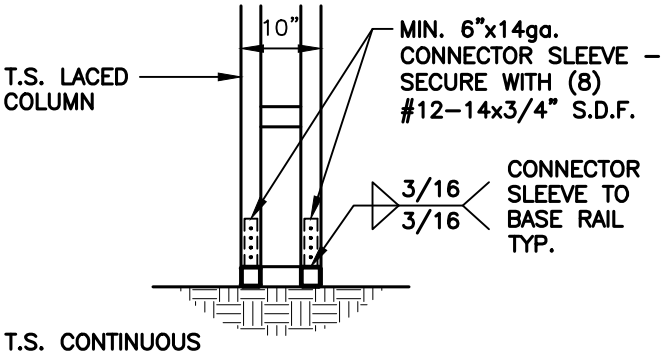
2 S10 COLUMN / BASE RAIL CONNECTION DETAIL

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

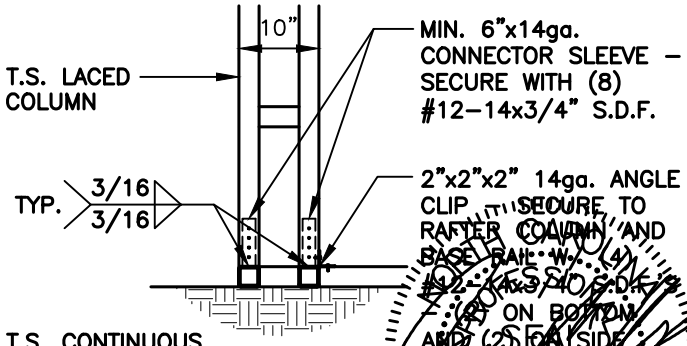


2A S10 END COLUMN / BASE RAIL CONNECTION DETAIL

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



3 S10 COLUMN / BASE RAIL CONNECTION DETAIL



3A S10 END COLUMN / BASE RAIL CONNECTION DETAIL

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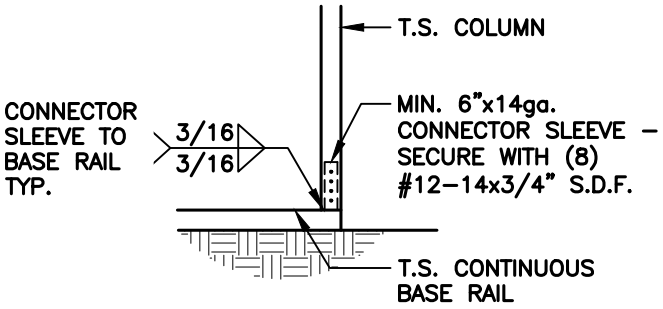
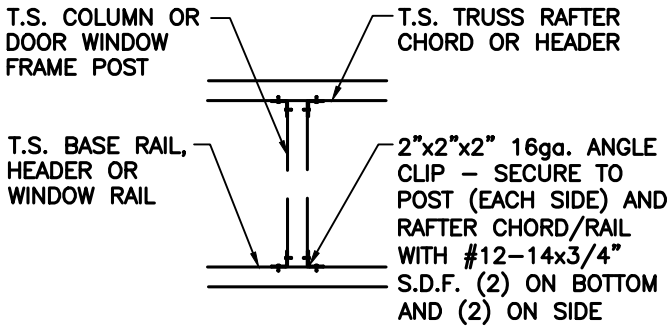
T.S. OPENING CONNECTION DETAILS



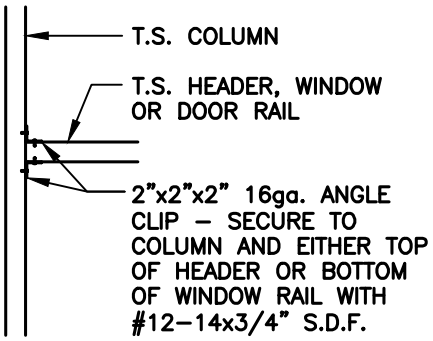
1 S11 COLUMN / BASE RAIL CONNECTION DETAIL

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



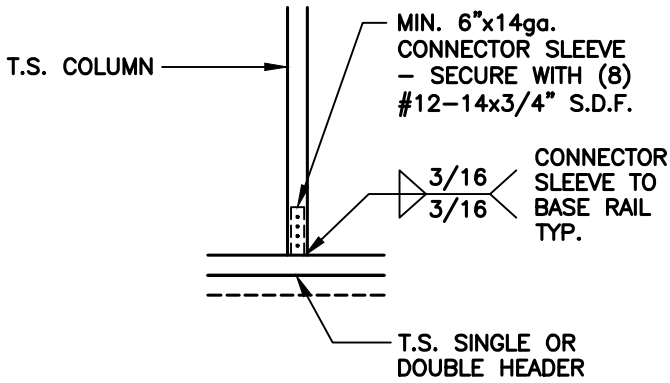
2 S11 TRUSS / HEADER TO POST CONNECTION DETAIL

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



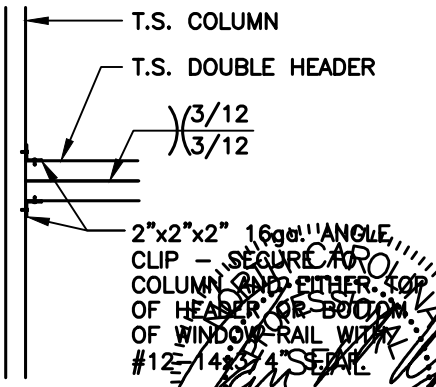
3 S11 HEADER / WINDOW OR DOOR RAIL TO POST CONNECTION DETAIL

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



4 S11 COLUMN / DOUBLE HEADER CONNECTION DETAIL

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



5 S11 DOUBLE HEADER / COLUMN CONNECTION DETAIL

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

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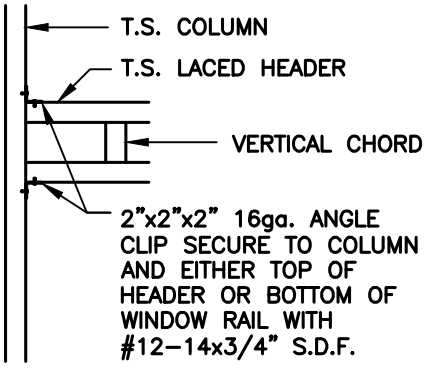
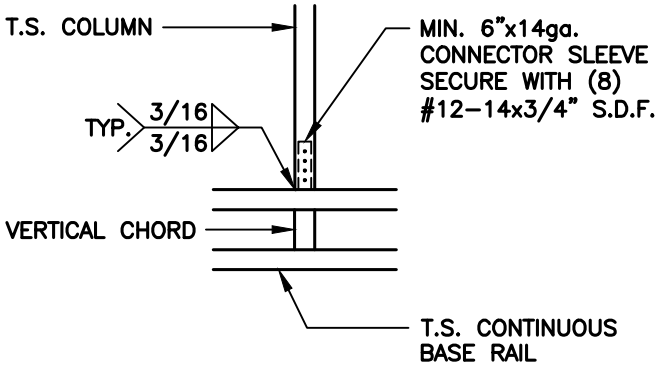
T.S. OPENING CONNECTION DETAILS



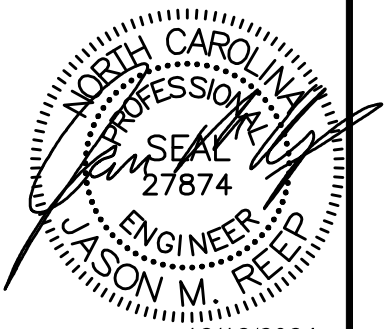
1 / S12 COLUMN / LACED HEADER CONNECTION DETAIL

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



2 / S12 LACED HEADER / COLUMN CONNECTION DETAIL

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



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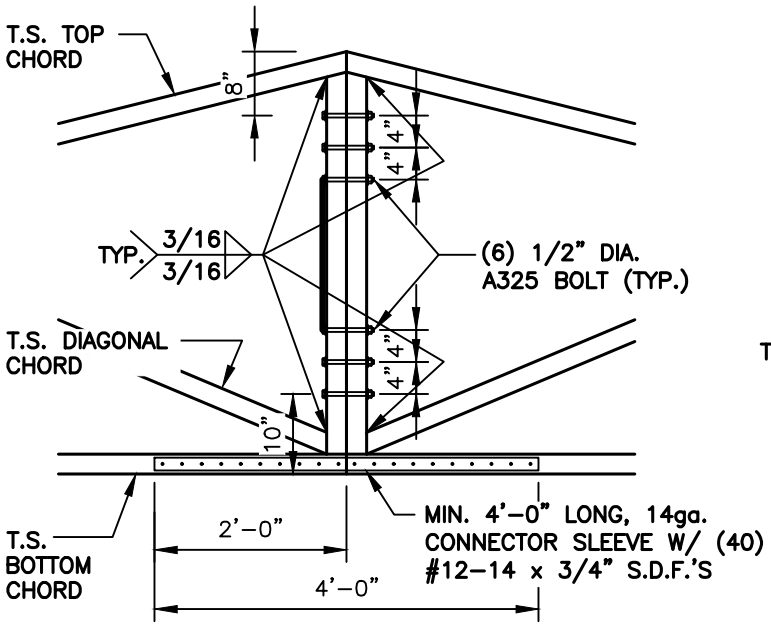
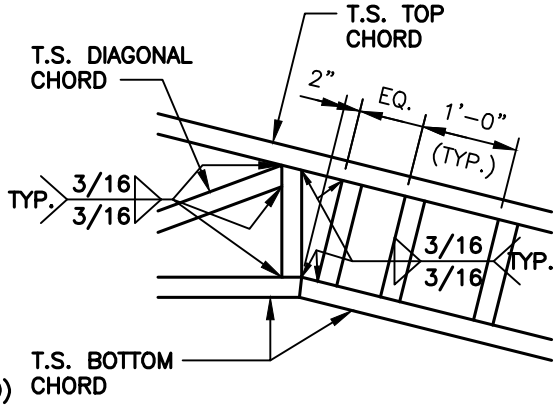


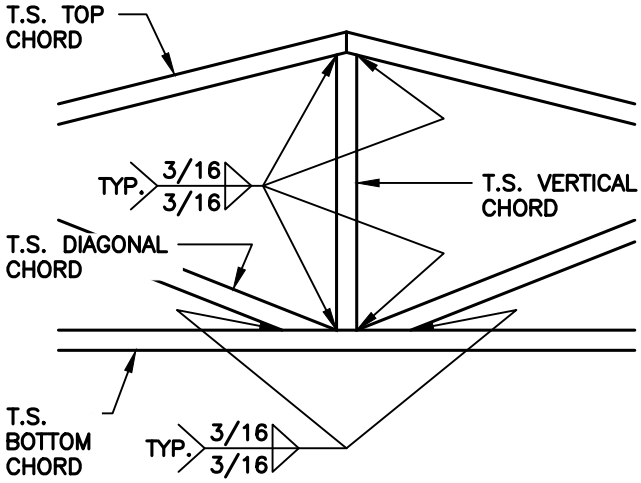
1 S13 SPLICE CONNECTION DETAIL

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



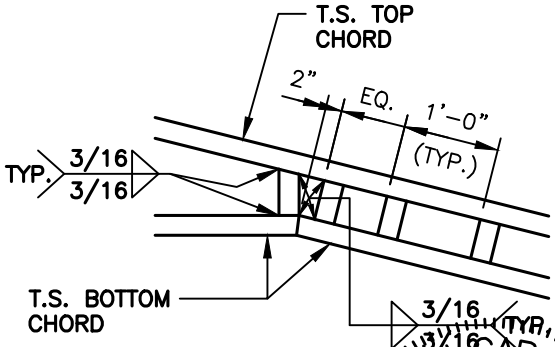
2 S13 TRUSS TIE CONNECTION DETAIL

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



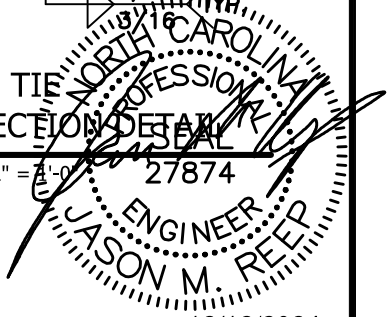
3 S13 CONNECTION DETAIL

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



4 S13 TRUSS TIE CONNECTION DETAIL

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



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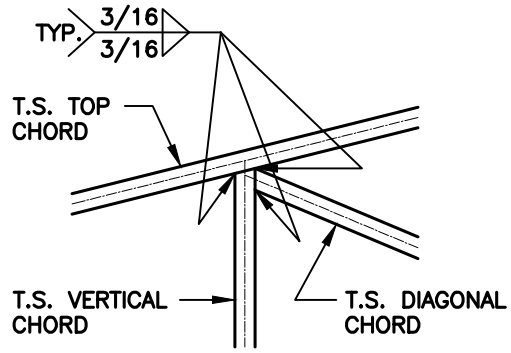
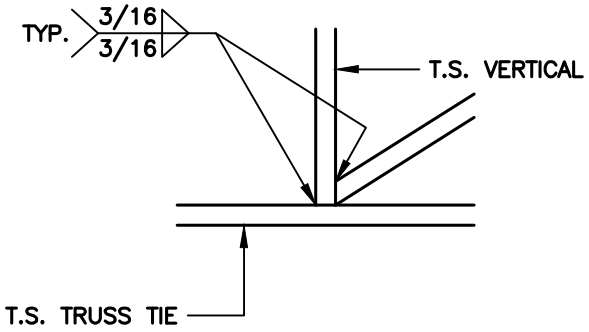
CONNECTION DETAILS



1 S13A

TRUSS TIE CONNECTION DETAIL

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



2 S13A

TRUSS TIE / TRUSS CONNECTION DETAIL

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

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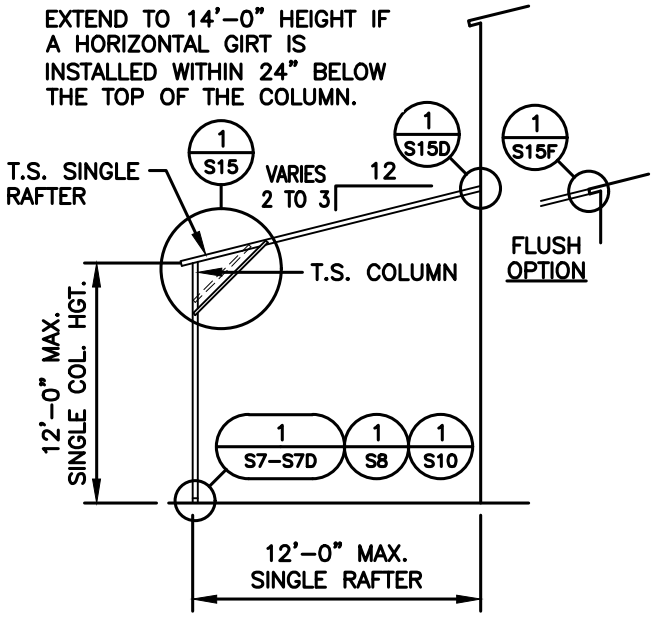
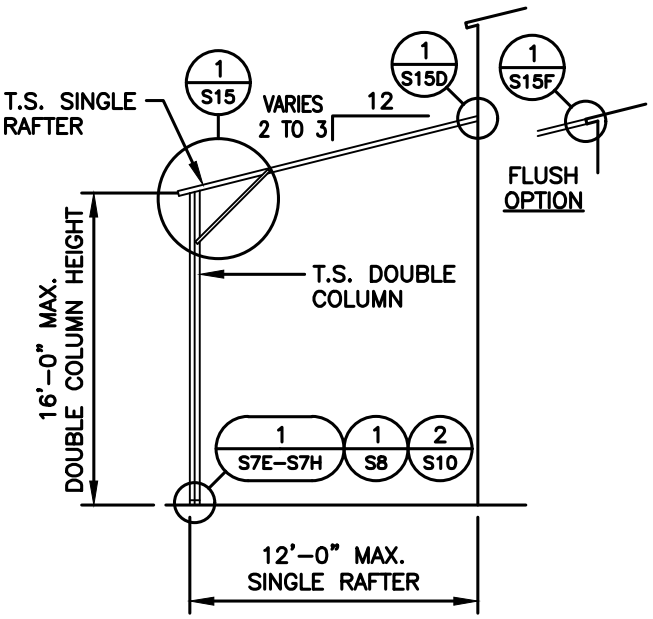
BOX EVE RAFTER / SINGLE & DOUBLE RAFTER - LEAN-TO OPTIONS

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.

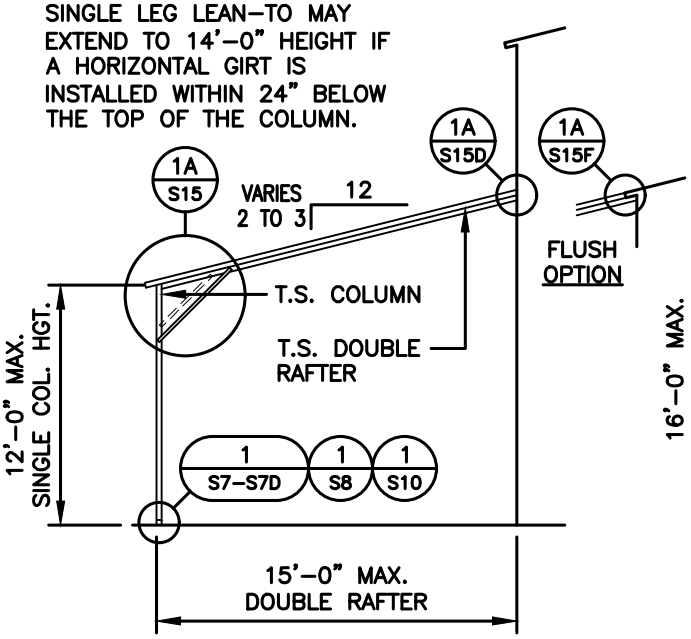


SINGLE RAFTER / SINGLE COLUMN LEAN-TO FRAMING SECTION

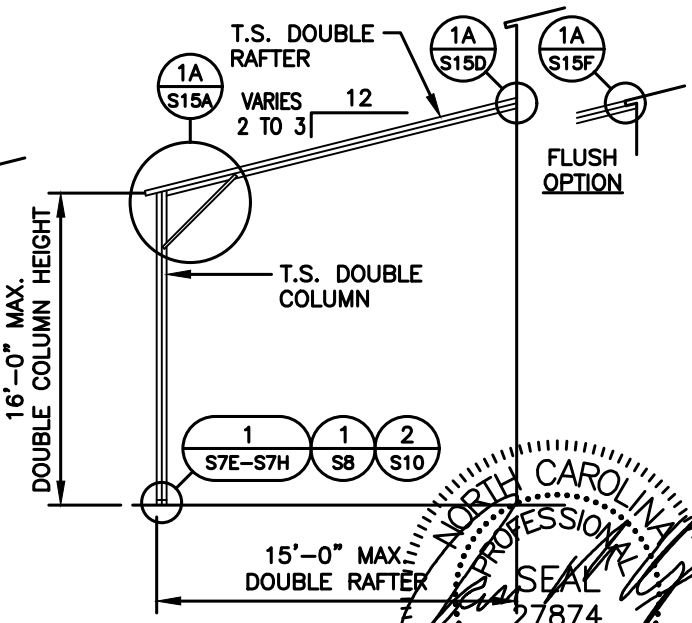


SINGLE RAFTER / DOUBLE COLUMN LEAN-TO FRAMING SECTION

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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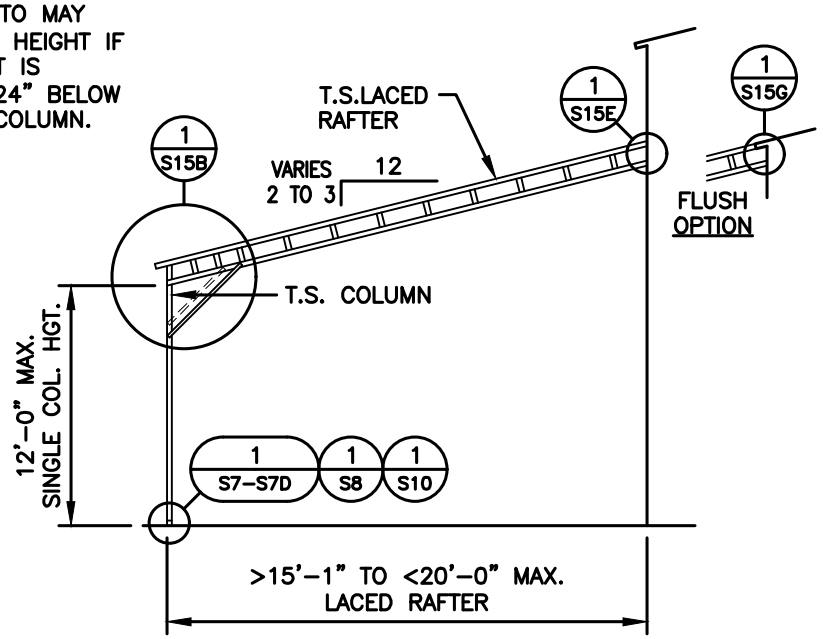
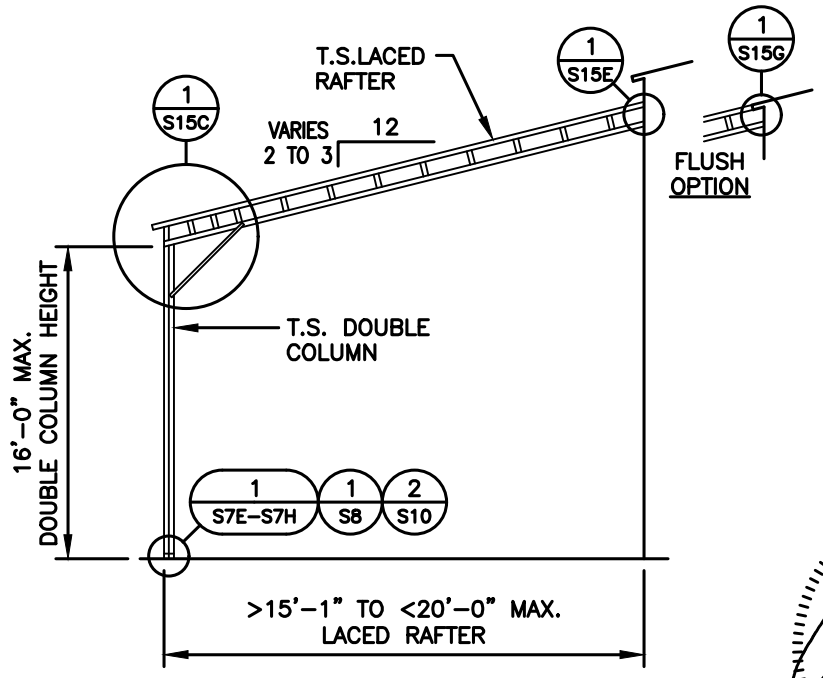
BOX EVE RAFTER / LACED RAFTER - LEAN-TO OPTIONS

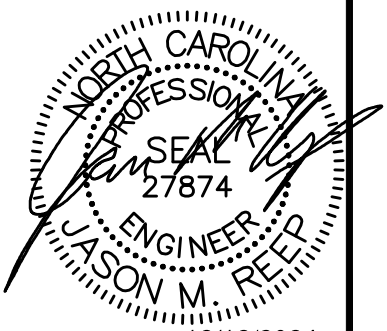
NOTE:
SINGLE LEG LEAN–TO MAY EXTEND TO 14'–0" HEIGHT IF A HORIZONTAL GIRT IS INSTALLED WITHIN 24" BELOW THE TOP OF THE COLUMN.



LACED RAFTER / SINGLE COLUMN LEAN-TO FRAMING SECTION



LACED RAFTER / DOUBLE COLUMN LEAN-TO FRAMING SECTION



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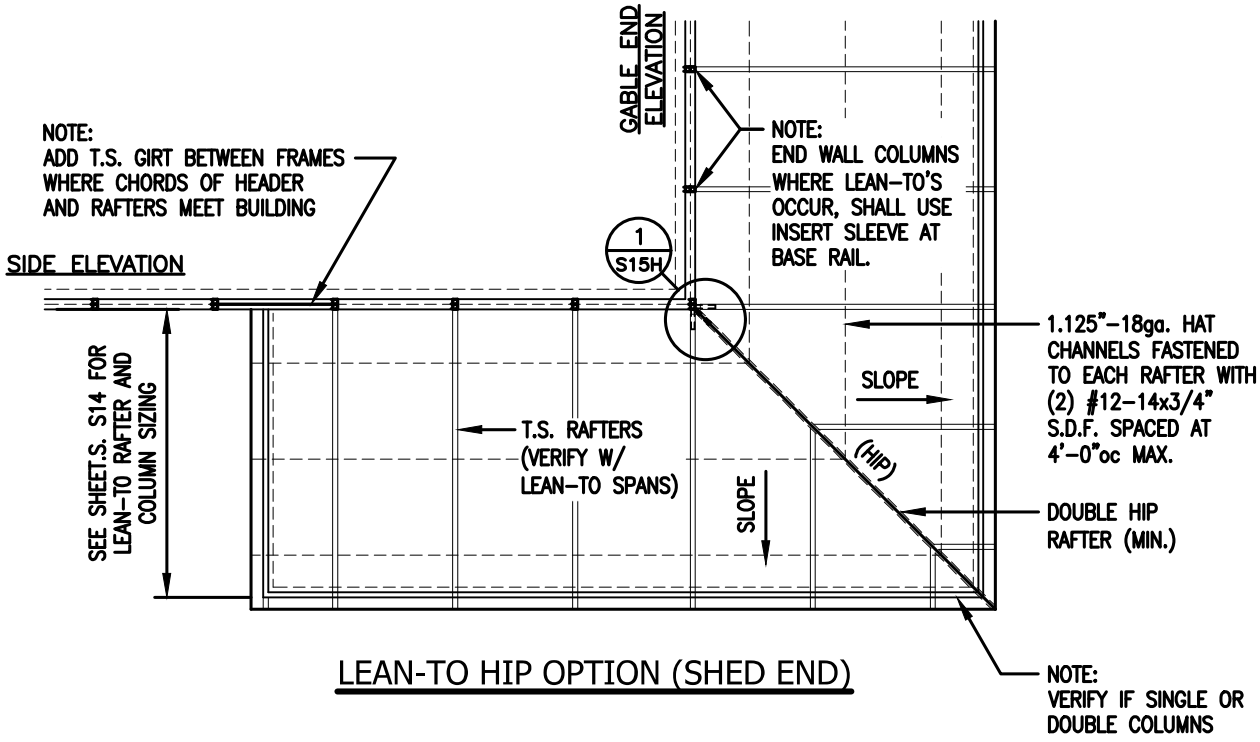
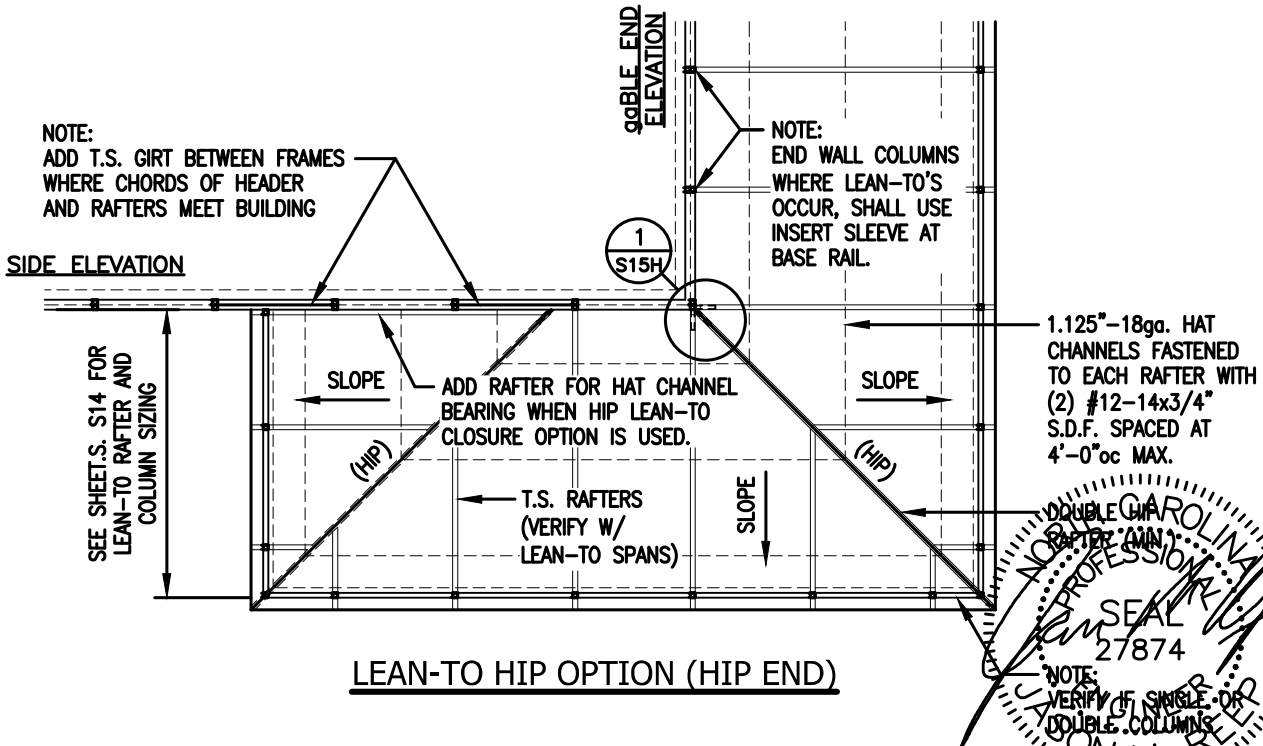
LEAN-TO 'HIP' OPTIONS



LEAN-TO HIP OPTION (SHED END)



LEAN-TO HIP OPTION (HIP END)

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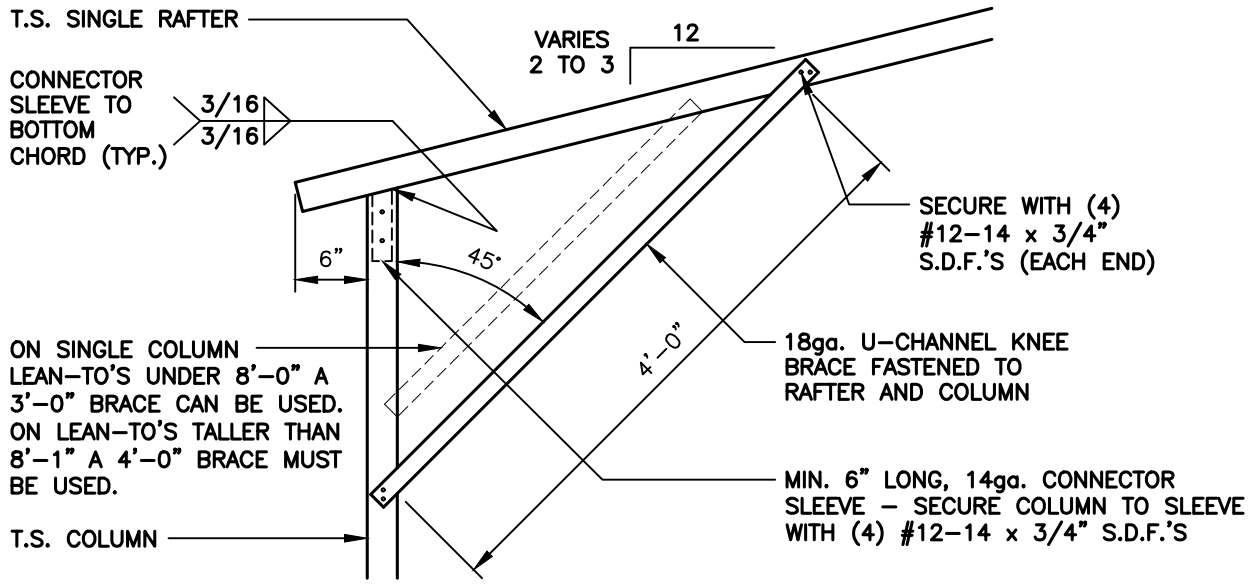
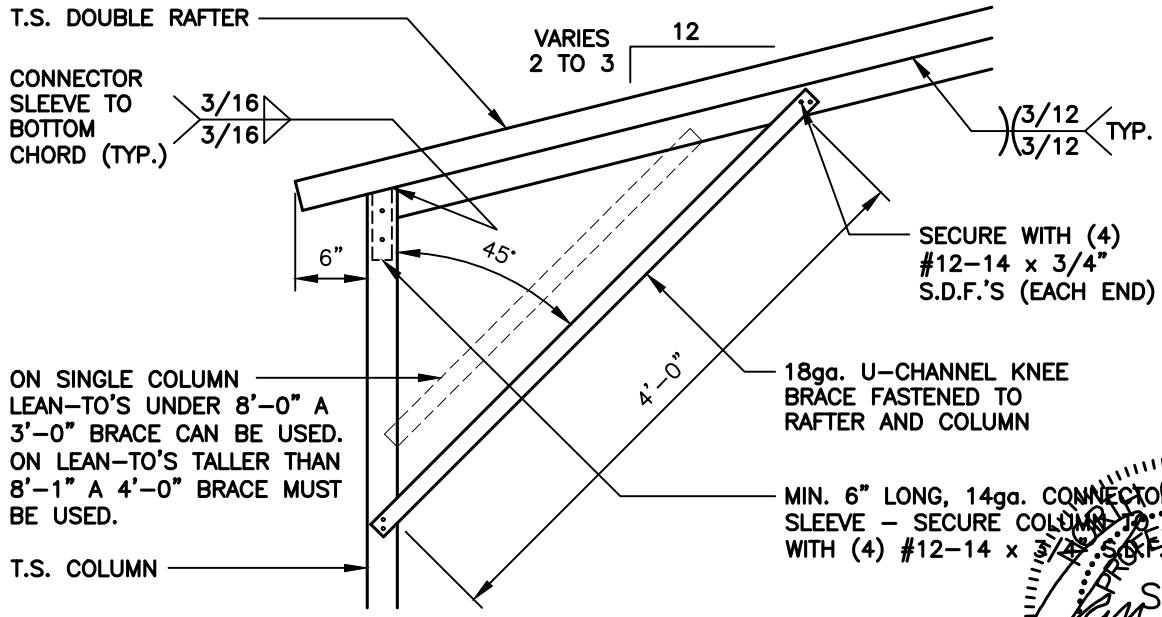
LEAN-TO CONNECTION DETAILS - SINGLE COLUMN



1 / S15 LEAN-TO SINGLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

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



1A / S15 LEAN-TO DOUBLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

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

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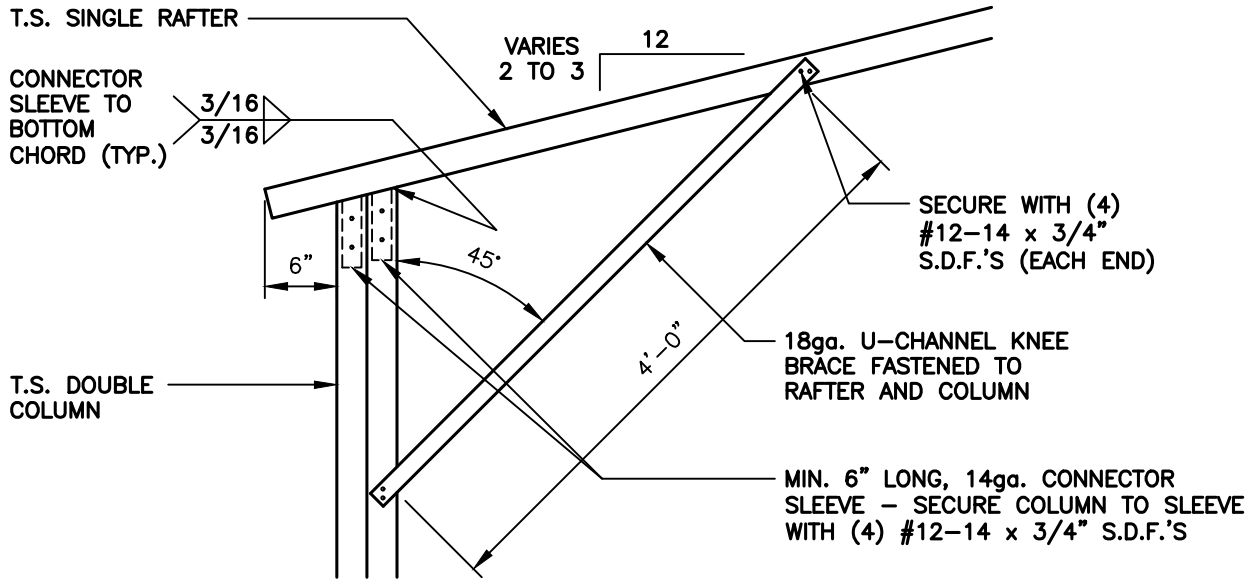
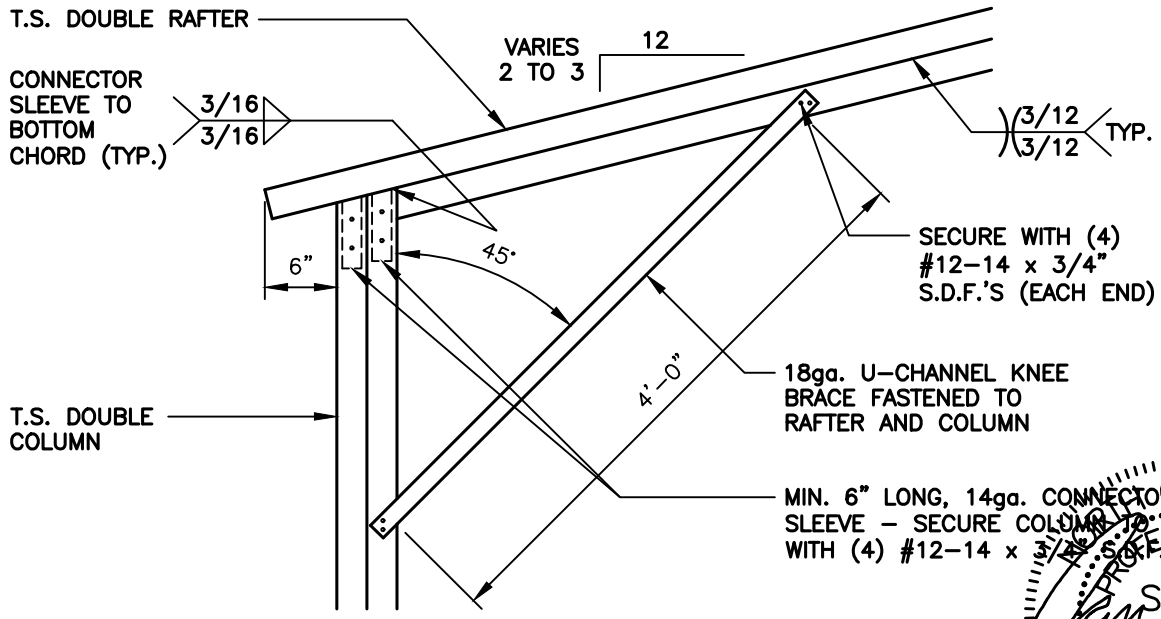
LEAN-TO CONNECTION DETAILS - DOUBLE COLUMN



LEAN-TO SINGLE RAFTER / DOUBLE COLUMN CONNECTION DETAIL

1 / S15A

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



LEAN-TO DOUBLE RAFTER / DOUBLE COLUMN CONNECTION DETAIL

1A / S15A

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

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

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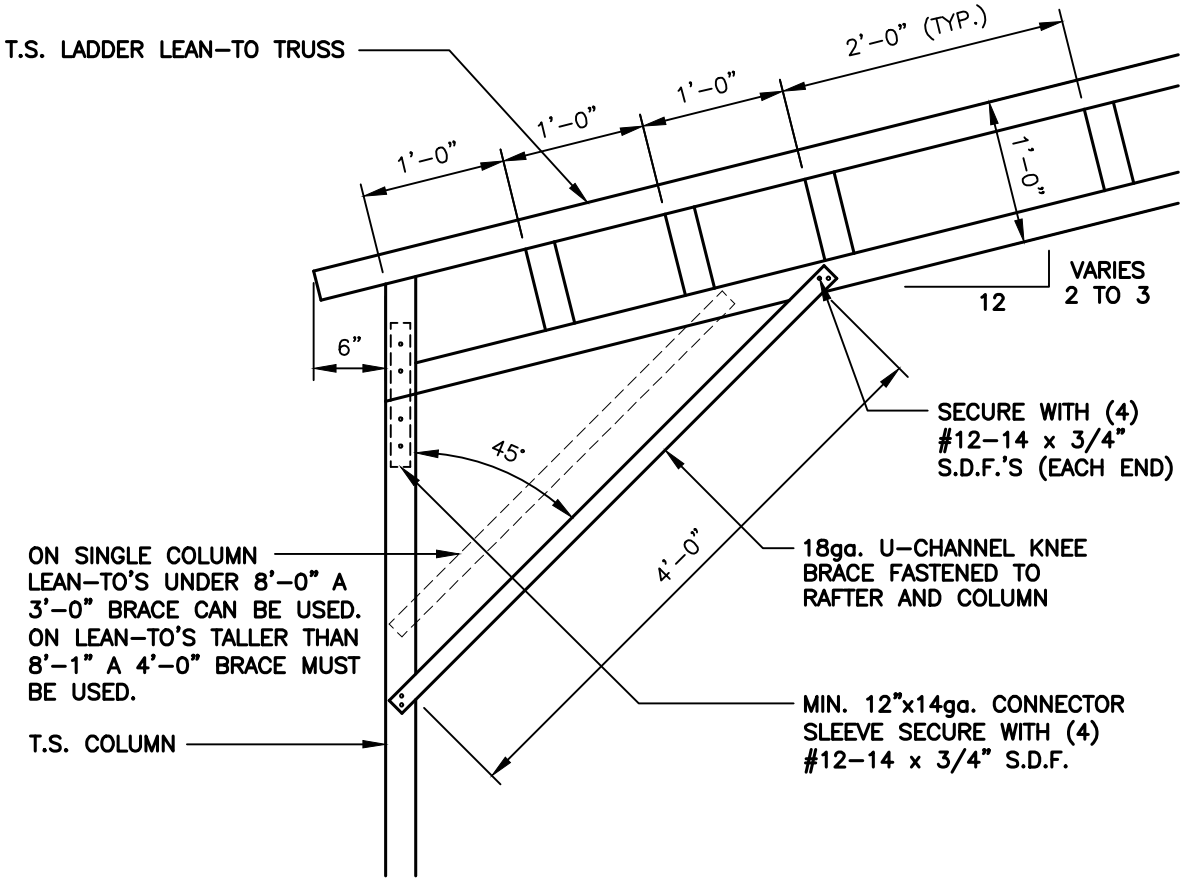
LEAN-TO CONNECTION DETAILS - LACED RAFTER / SINGLE COLUMN



1 / S15B

LEAN-TO LACED RAFTER / SINGLE COLUMN CONNECTION DETAIL

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

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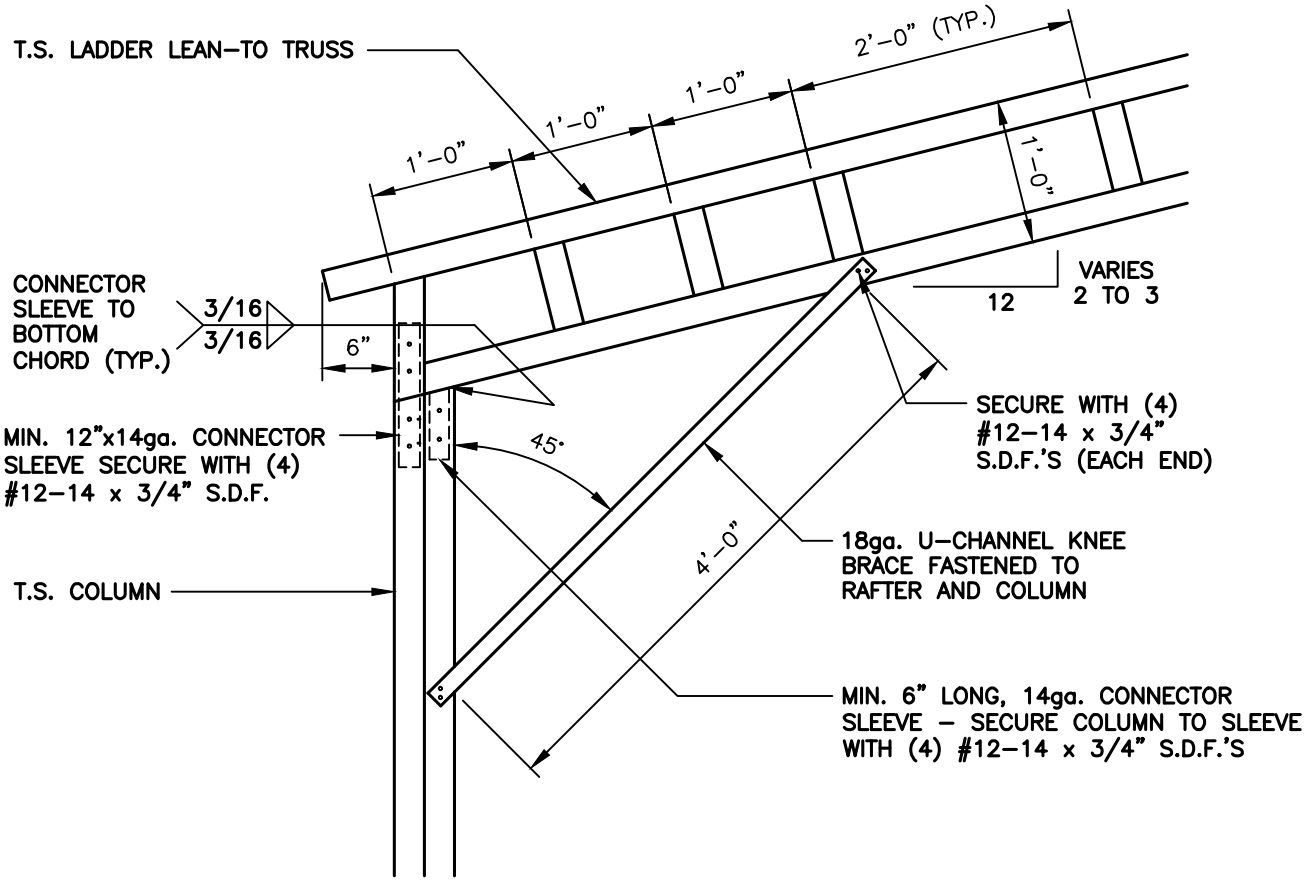
LEAN-TO CONNECTION DETAILS - LACED RAFTER / DOUBLE COLUMN



LEAN-TO LACED RAFTER / DOUBLE COLUMN CONNECTION DETAIL

1 / S15C

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

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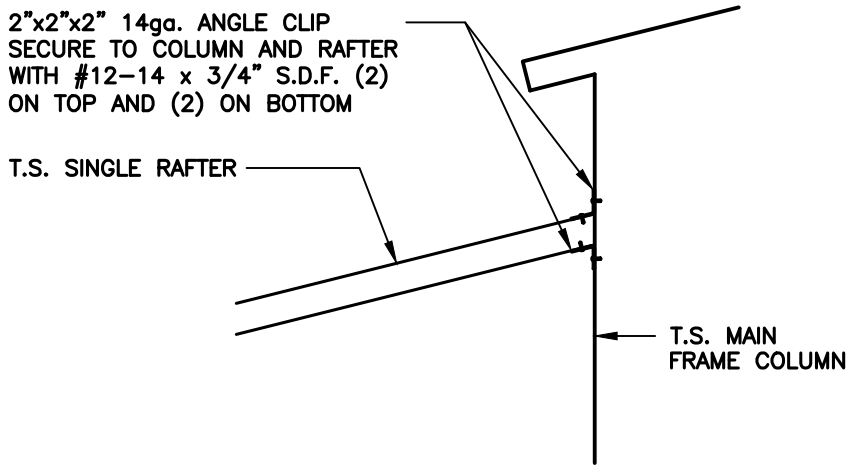
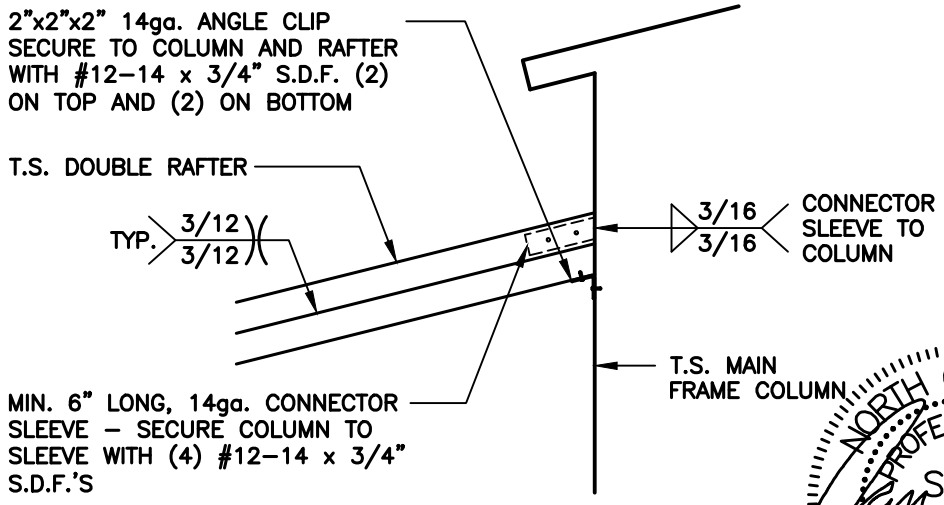
LEAN-TO / MAIN FRAME CONNECTION DETAILS



1 / S15D LEAN-TO SINGLE RAFTER / BUILDING FRAME CONNECTION DETAIL

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



1A / S15D LEAN-TO DOUBLE RAFTER / BUILDING FRAME CONNECTION DETAIL

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

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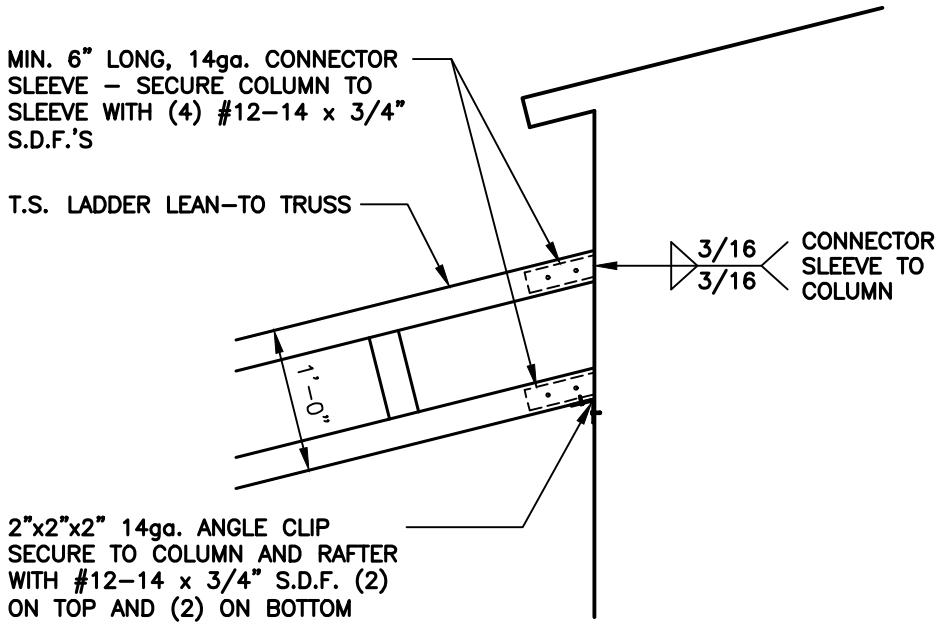

1 / S15E LEAN-TO SINGLE RAFTER / BUILDING FRAME CONNECTION DETAIL

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

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

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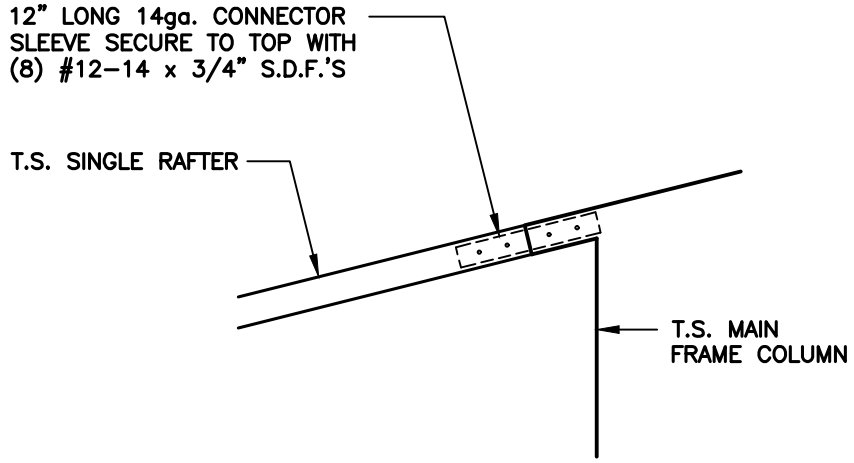
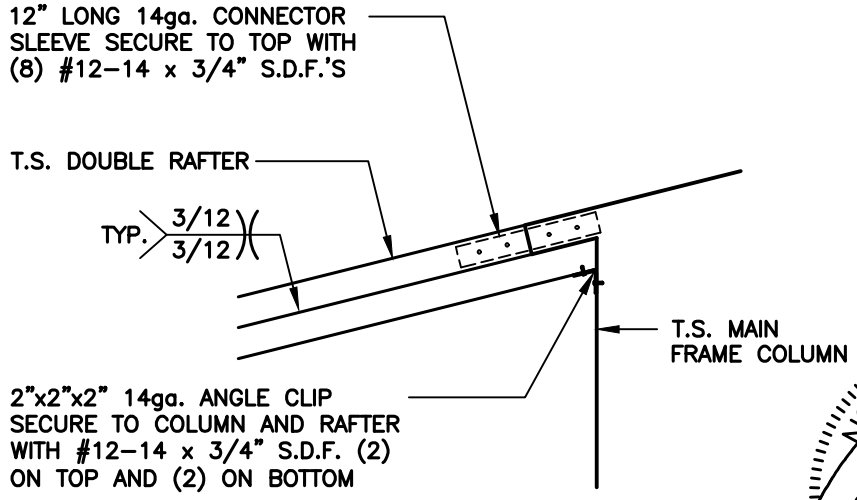
LEAN-TO / MAIN FRAME CONNECTION DETAILS



1 / S15F — LEAN-TO SINGLE RAFTER / BUILDING FRAME (FLUSH) CONNECTION DETAIL

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



1A / S15F — LEAN-TO DOUBLE RAFTER / BUILDING FRAME (FLUSH) CONNECTION DETAIL

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

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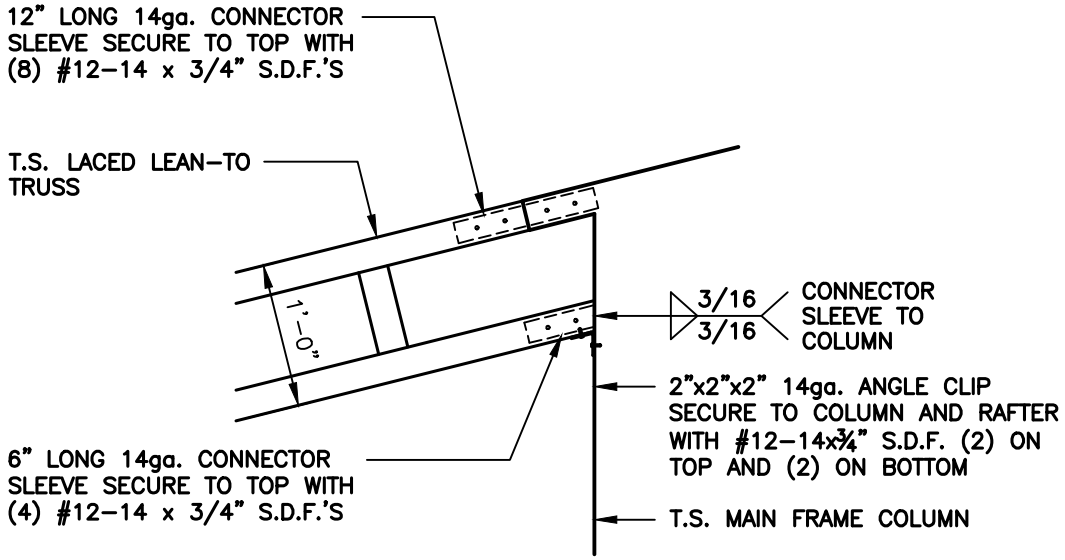

1 / S15G

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

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

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BKS	0724-0122
DATE:	SHEET NO:
12/12/24	S15G

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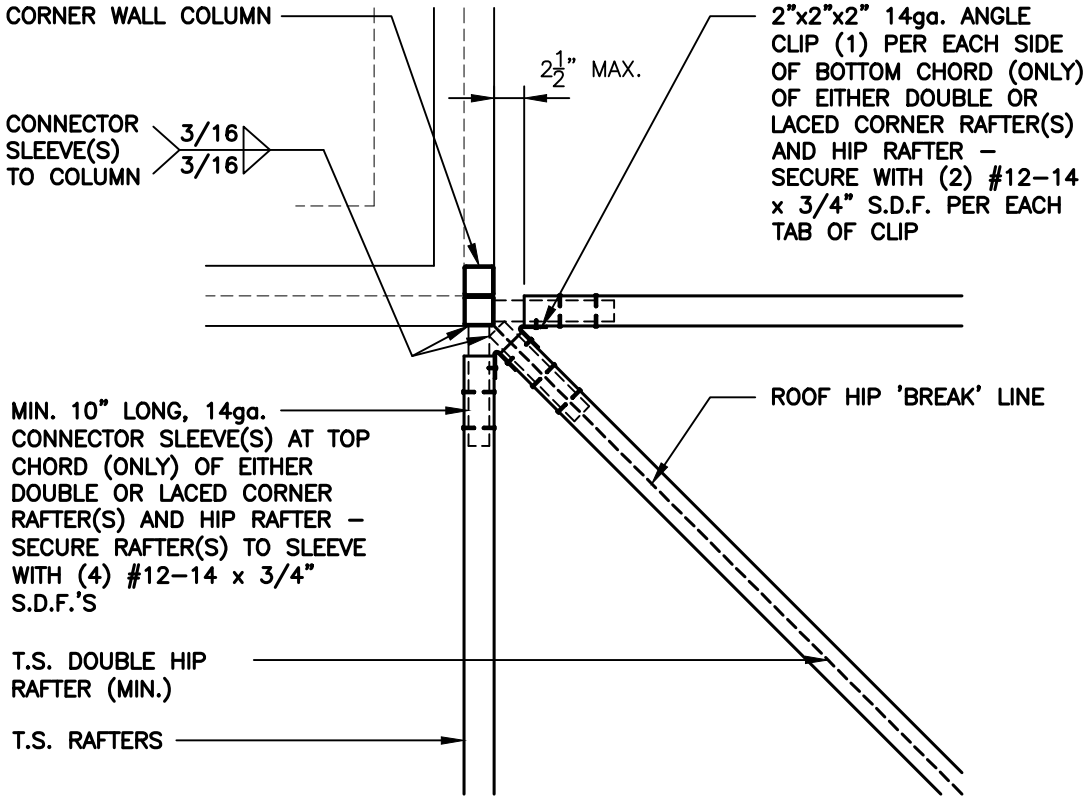
END WALL COLUMN / HIP RAFTER CONNECTION DETAIL



1 / S15H

END WALL COLUMN / HIP RAFTER CONNECTION DETAIL

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

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

12/12/2024

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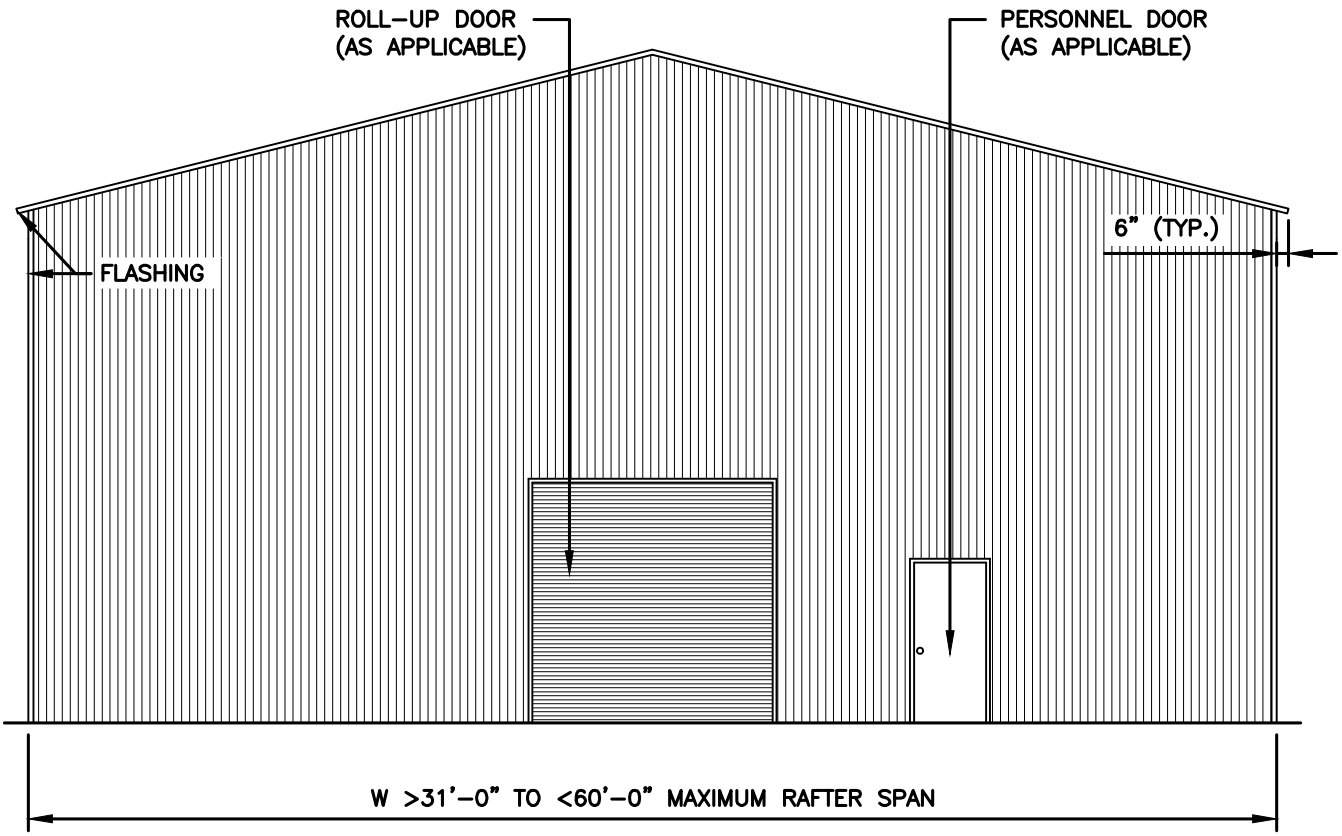
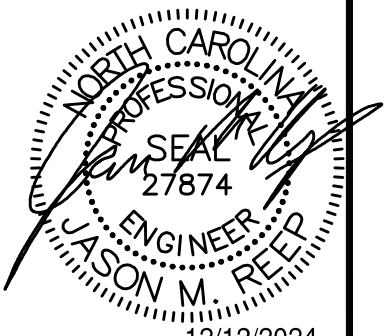
VERTICAL ROOF / SIDING OPTION ELEVATIONS



TYPICAL END ELEVATION



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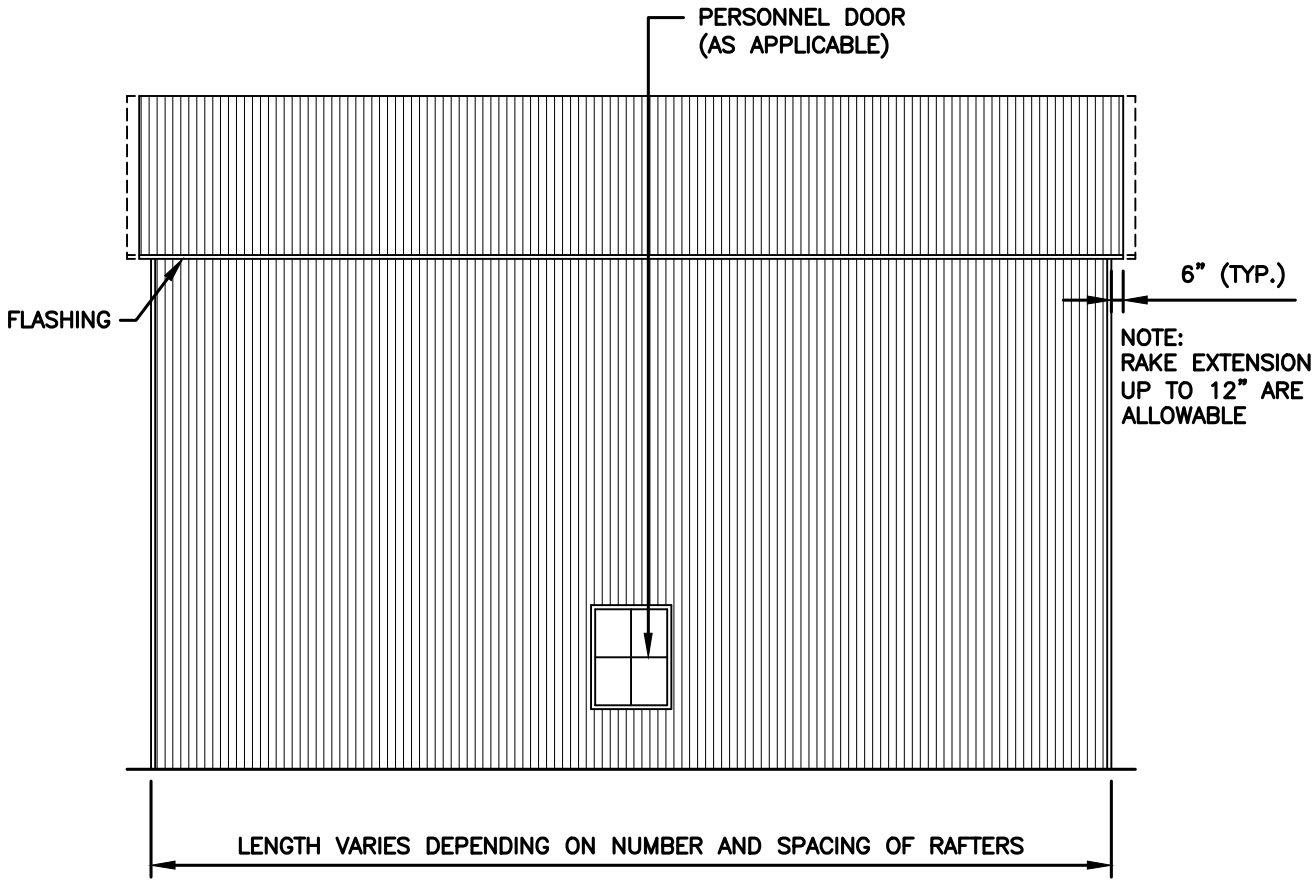
VERTICAL ROOF / SIDING OPTION ELEAVTIONS



TYPICAL SIDE ELEVATION

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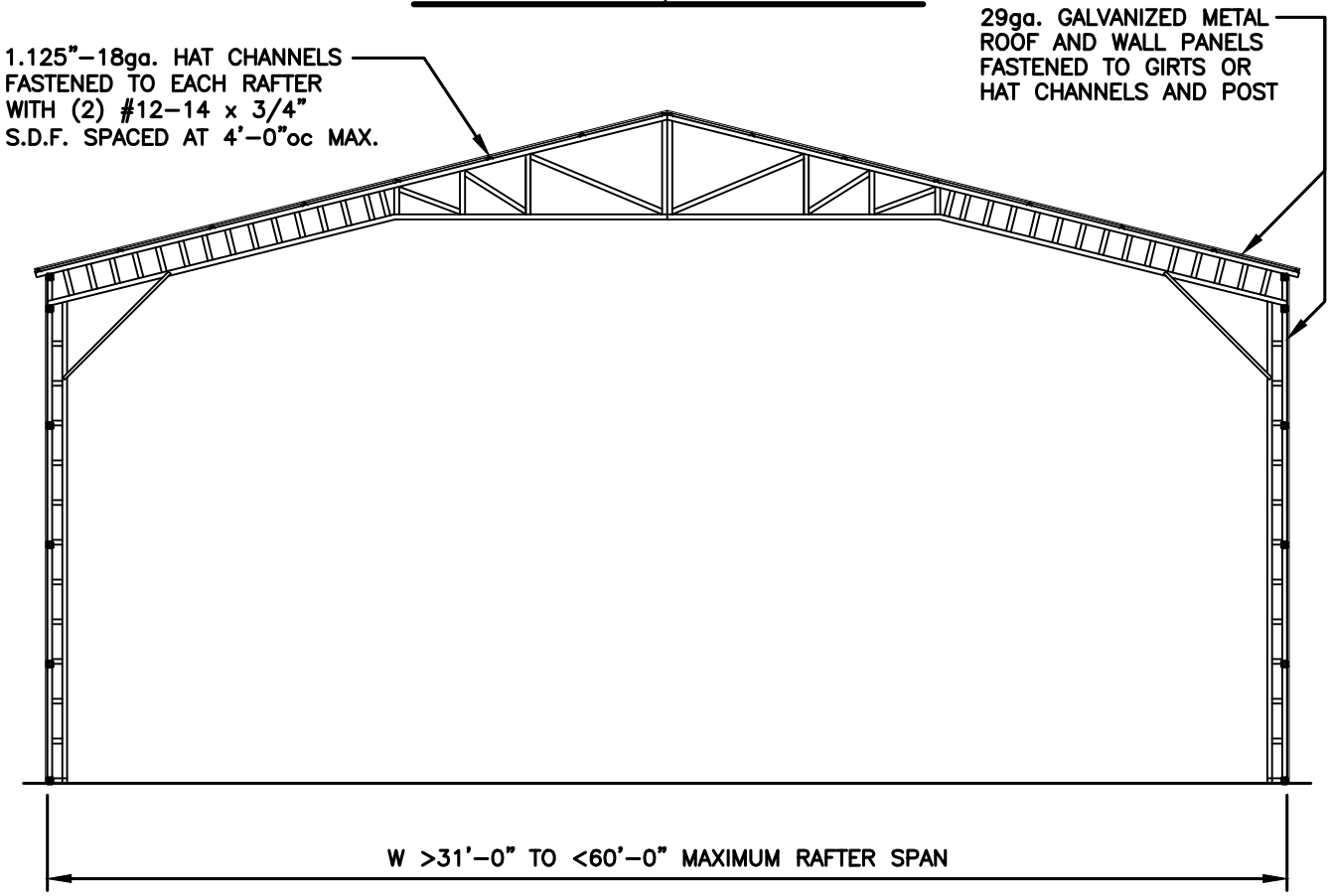
VERTICAL ROOF / SIDING OPTION



TYPICAL RAFTER / COLUMN FRAME SECTION

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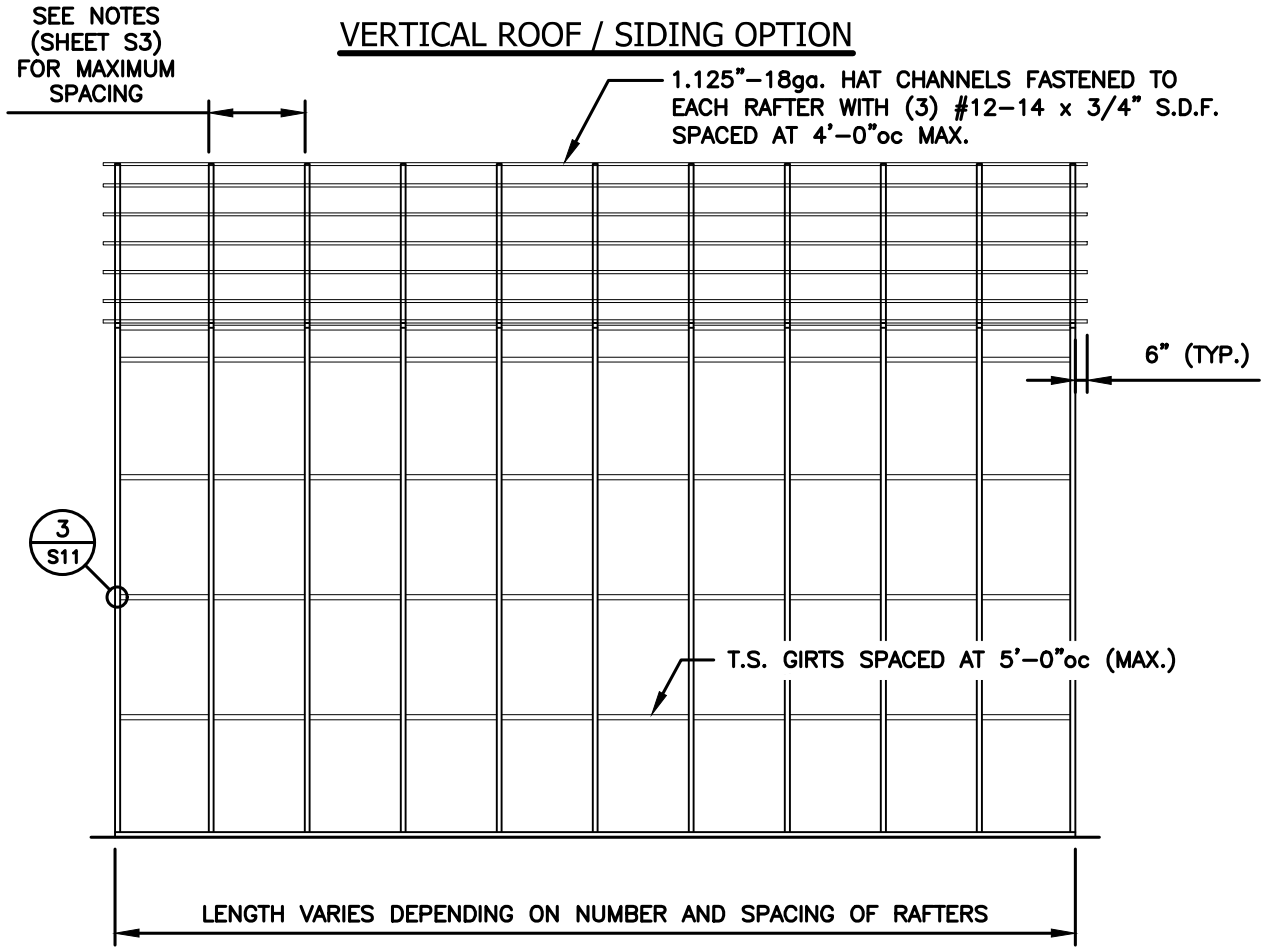
VERTICAL ROOF / SIDING OPTION



TYPICAL SIDE FRAMING SECTION VERTICAL ROOF / SIDING OPTION

NOTE:

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP

1.125"–18ga. H

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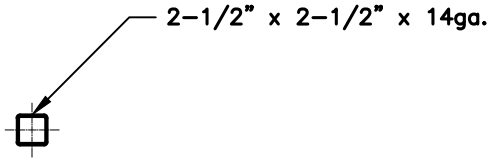
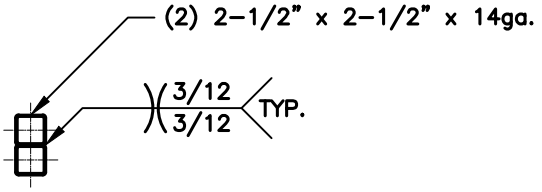
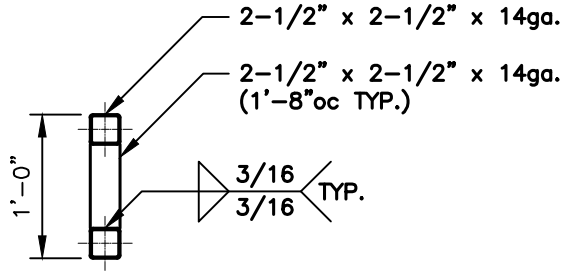
SIDE WALL HEADER OPTIONS



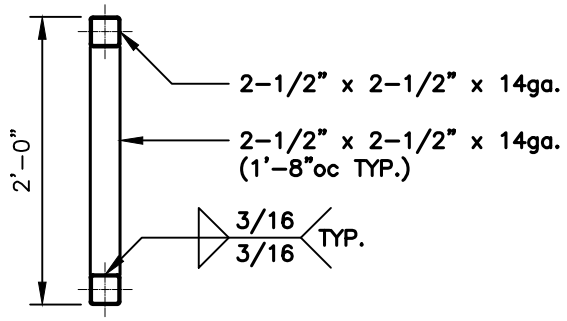
LACED HEADER DETAIL FOR
OPENINGS <4'-0"



LACED HEADER DETAIL FOR
OPENINGS >4'-0" TO <12'-0"



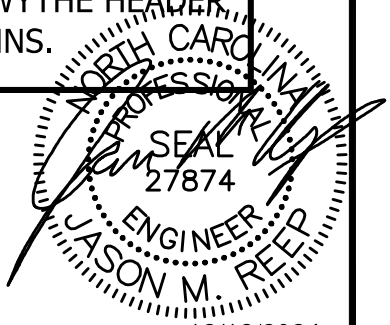
LACED HEADER DETAIL FOR
OPENINGS >12'-1" TO <15'-0"



LACED HEADER DETAIL FOR
OPENINGS >15'-1" TO <20'-0"

GENERAL NOTE:

PROVIDE DOUBLE WYTHE HEADER
ON DOUBLE COLUMNS.



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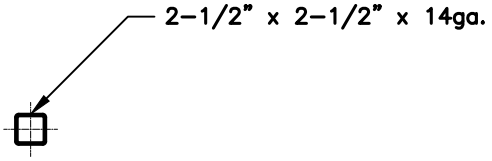
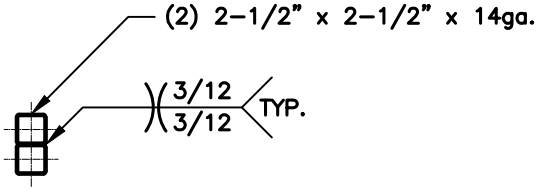
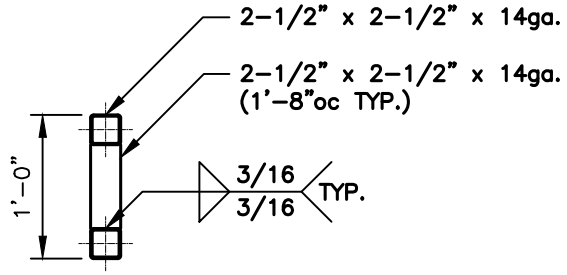
END WALL HEADER OPTIONS



LACED HEADER DETAIL FOR
OPENINGS <7'-0"



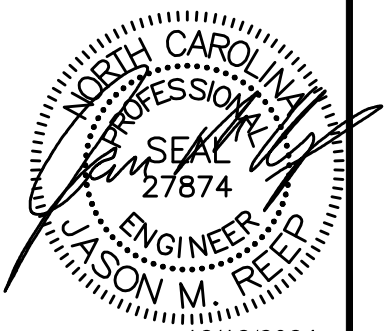
LACED HEADER DETAIL FOR
OPENINGS >7'1" TO <16'-0"



LACED HEADER DETAIL FOR
OPENINGS >16'-1" TO <20'-0"

GENERAL NOTE:

PROVIDE DOUBLE WYTHE HEADER
ON DOUBLE COLUMNS



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