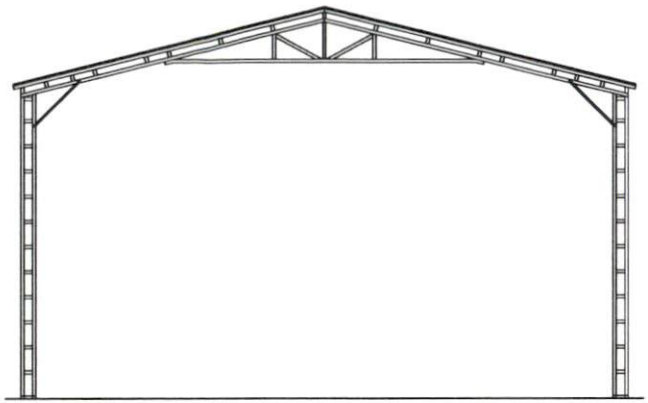

OPEN GABLE END BUILDING (HIGH CLEARANCE)

MAXIMUM >31' TO <40' WIDE x <20' MAXIMUM EAVE HEIGHT (BOX FRAME) (UP TO) 155 M.P.H. WIND ZONE - 35 P.S.F. SNOW LOAD - (UP TO) SEISMIC CATEGORY D/D2

FOR:

FREDDY CASTRO GUERRA
34 N MCKINLEY ST
COATS, NC 27521

ISSUE DATE: 01/31/2026

LONGHORN STEEL STRUCTURES
980-222-9935

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

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

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

V1.1

INDEX OF DRAWINGS

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828-310-7160

FREDDY CASTRO GUERRA
34 N MCKINLEY ST
COATS, NC 27521

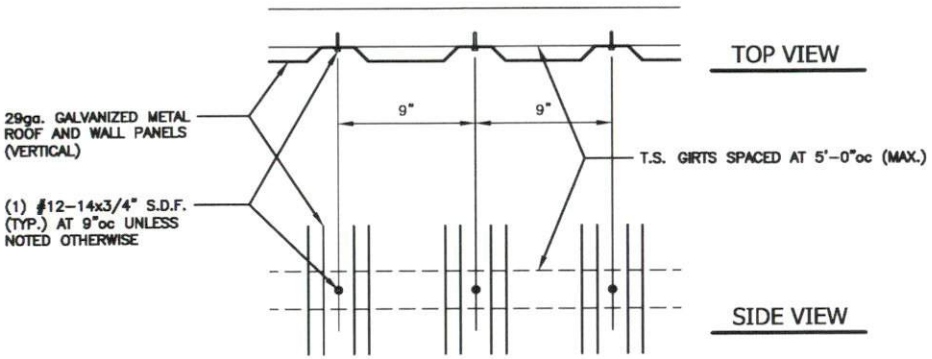
(HIGH SEISMIC) - OPEN GABLE END BUILDING
MAXIMUM >31' TO <40' WIDE x <20' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 155 M.P.H. WIND ZONE - 35 SNOW LOAD

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

Date: 01/31/26
Revisions: -

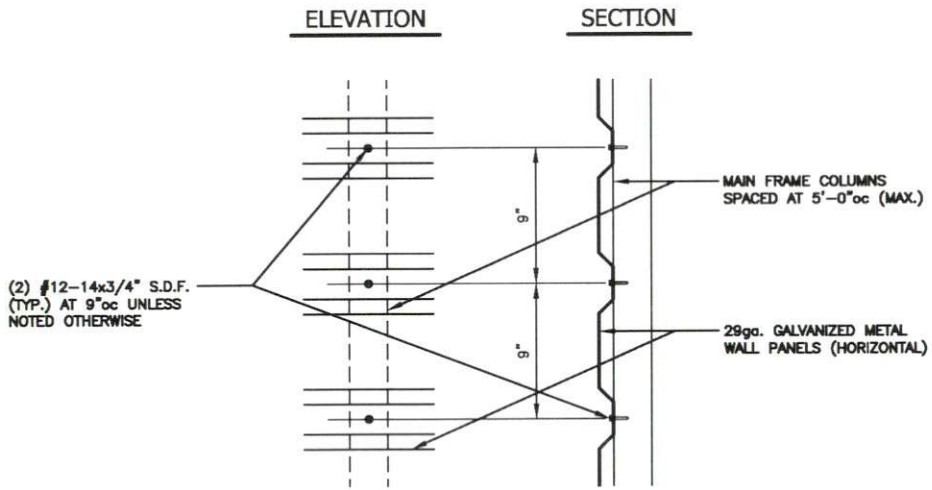
Project No. 2426-0091
Sheet No. S0A

V1.1



(VERTICAL) SIDING CONNECTION DETAIL

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



(HORIZONTAL) SIDING CONNECTION DETAIL

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

APPENDIX "B"

STRUCTURAL DESIGN

DESIGN LOADS:

IMPORTANCE FACTORS	WIND	(Iw) 1.00	
	SNOW	(Is) 1.00	
	SEISMIC	(Ie) 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	P.S.F. * DRIFT LOAD HAS NOT BEEN CALCULATED
WIND LOAD:	BASIC WIND SPEED	118	M.P.H. ASCE 7-10
	EXPOSURE CATAGORY	C	

SEISMIC DESIGN CATAGORY ☐ A ☐ B ☐ C ☒ D

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:

OCCUPANCY CATEGORY II

SPECTRAL RESPONSE ACCELERATION Ss 12.9 %g S1 6.4 %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 60"oc UNLESS NOTED OTHERWISE.
2. MAX. END-WALL COLUMN SPACING SHALL BE 60"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 (2) #12 SELF TAPPING AT 9"oc UNLESS NOTED OTHERWISE.
5. 1,500 P.S.F. ASSUMED BEARING CAPACITY UNLESS NOTED OTHERWISE.
6. THESE DRAWINGS ARE NOT APPLICABLE TO OPEN / PARTIALLY OPEN BUILDINGS.
7. THESE DRAWINGS ARE NOT DESIGNED FOR SLEEPING QUARTERS

10. ALL WELDING SHOULD BE PERFORMED IN THE FABRICATION SHOP, NO FIELD WELDING SHOULD BE PERFORMED ON THIS PROJECT.

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FREDDY CASTRO GUERRA
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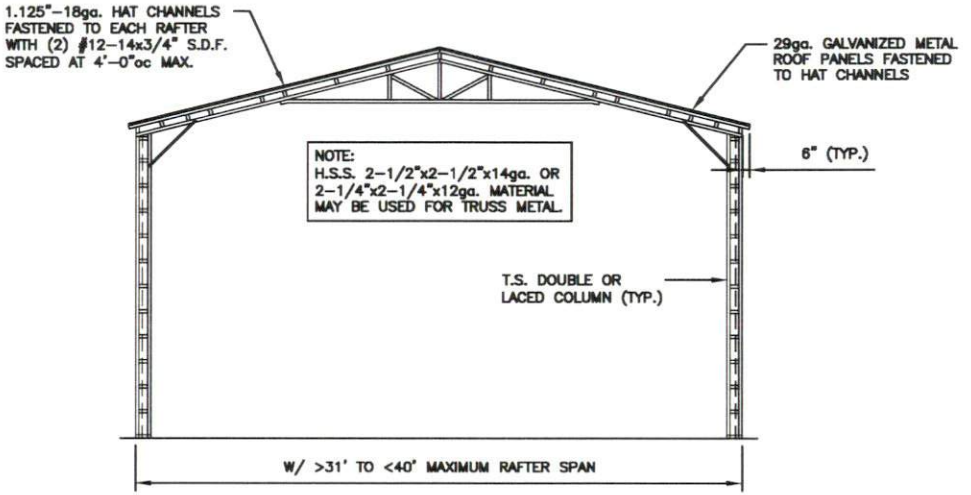
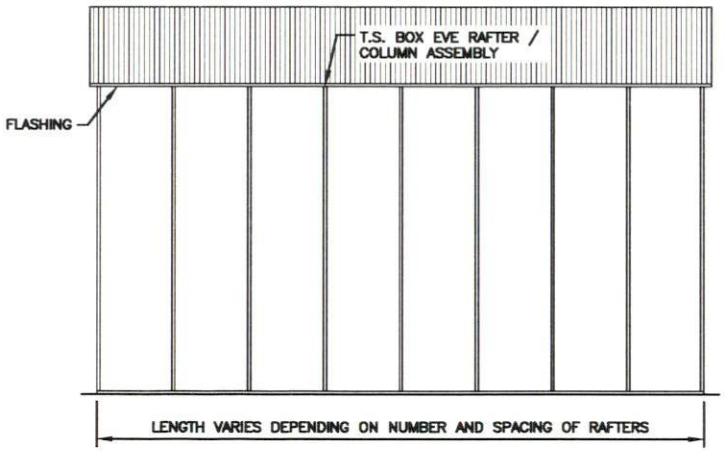
BOX EVE FRAME RAFTER STURCTURE



TYPICAL END ELEVATION



TYPICAL SIDE ELEVATION - VERTICAL ROOF

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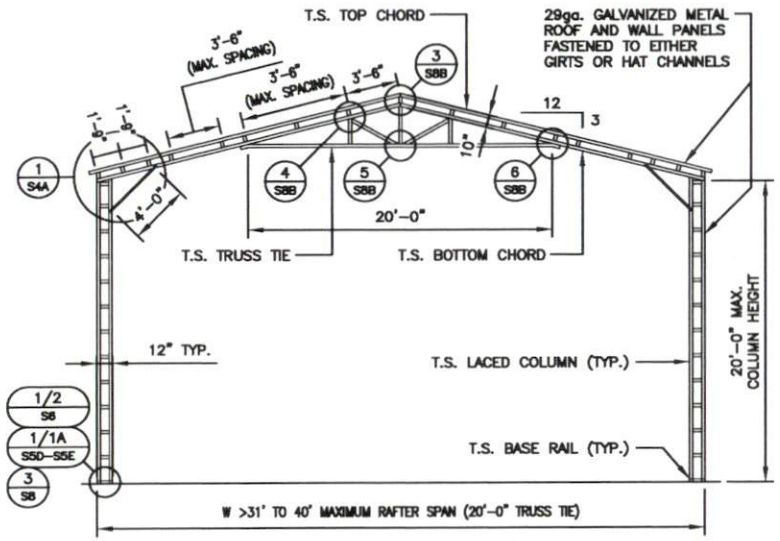
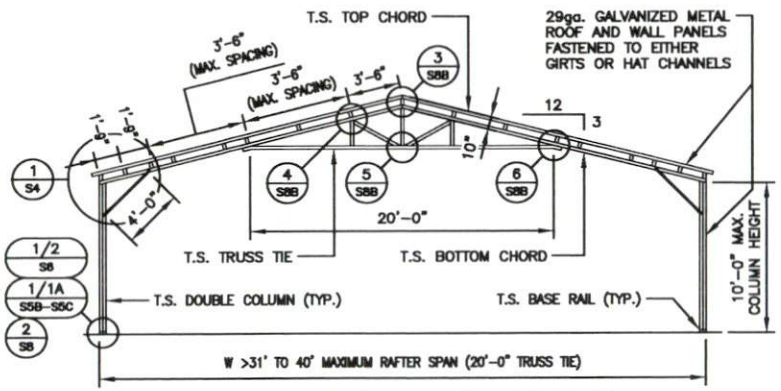
(>31' TO 40' WIDE / <20' HIGH) BOX EVE RAFTER END WALL SECTIONS

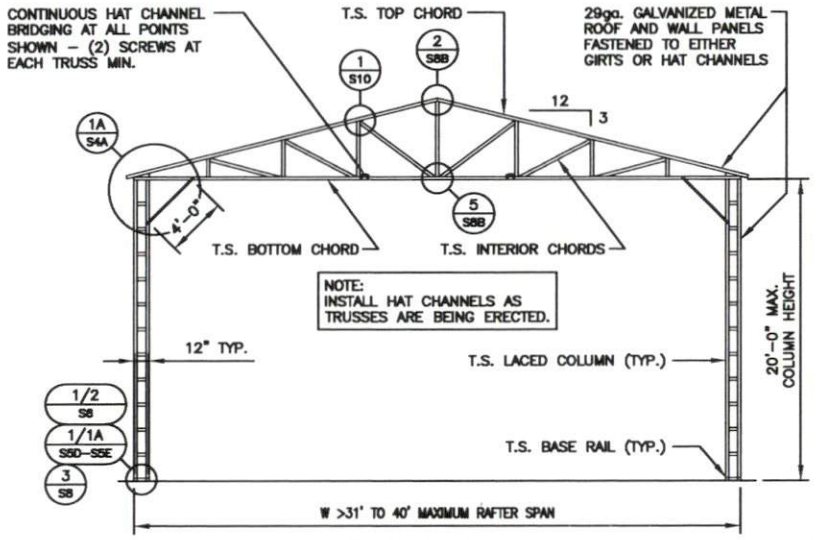


TYPICAL RAFTER / COLUMN FRAME SECTION

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.

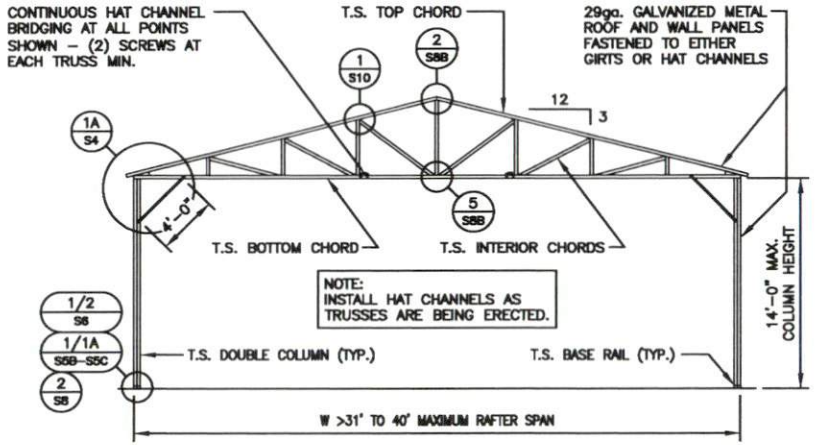


TYPICAL RAFTER / COLUMN FRAME SECTION



TYPICAL RAFTER / COLUMN FRAME SECTION (FLAT BOTTOM CHORD TRUSS OPTION)

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 FRAME SECTION (FLAT BOTTOM CHORD TRUSS OPTION)

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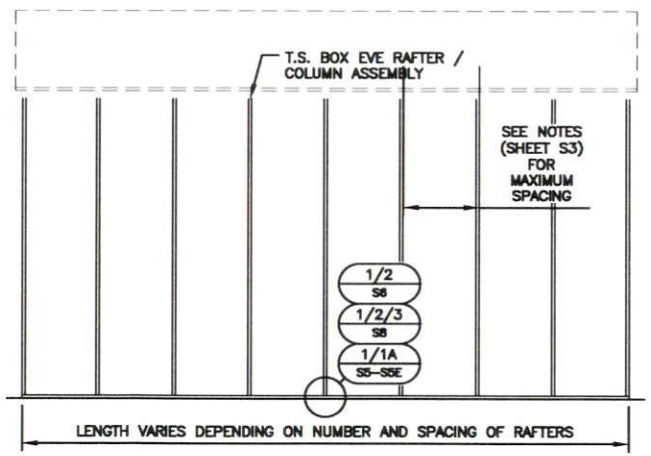
TYPICAL SIDE FRAMING ELEVATION

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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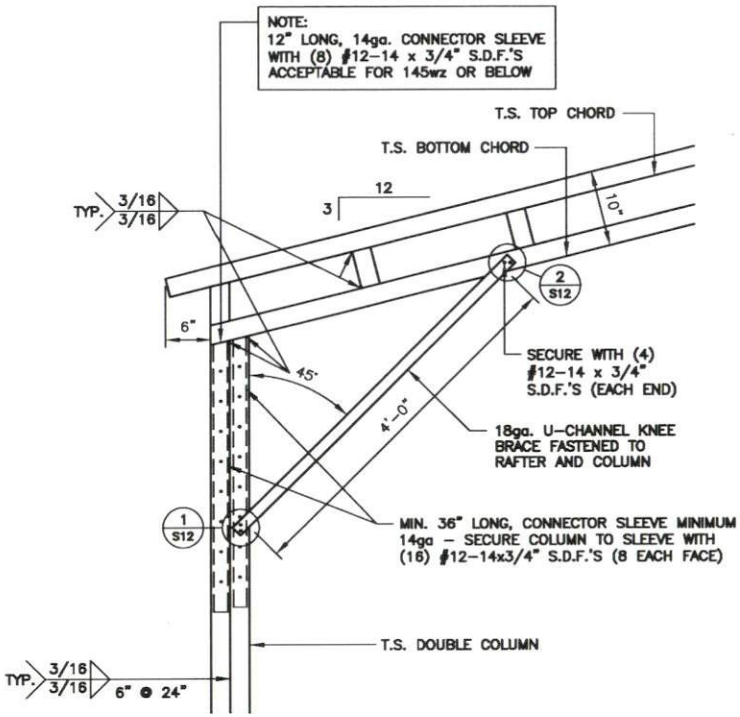
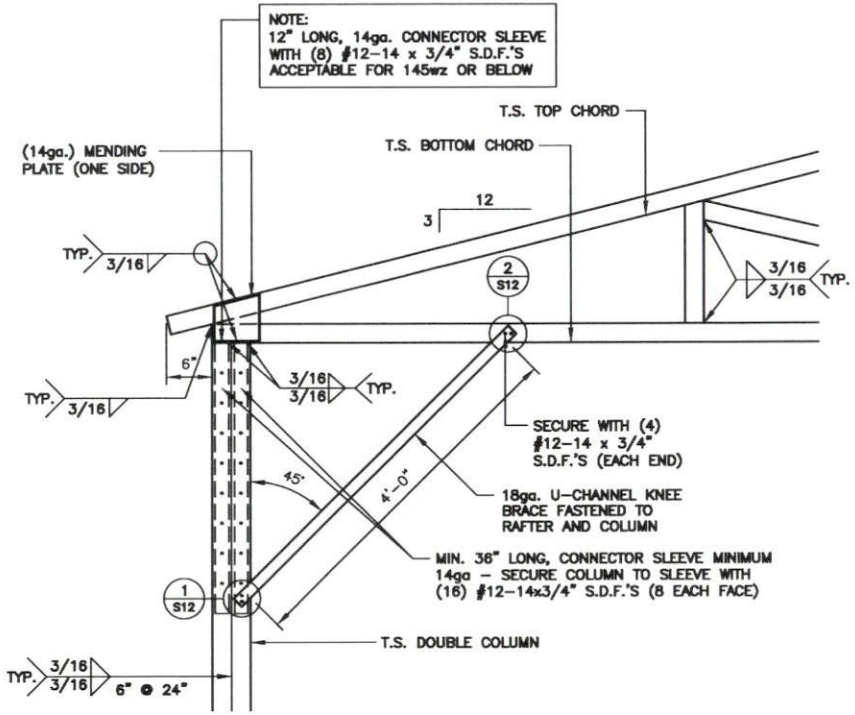
DOUBLE COLUMN OPTIONS



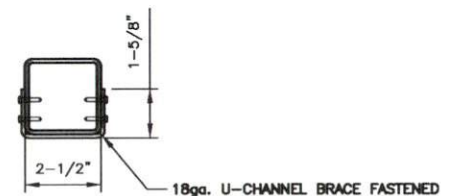
1 / S4 BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS <10'-0"

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



1A / S4 BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS <14'-0" (FLAT BOTTOM CHORD OPTION)

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



BRACE SECTION

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828-310-7160

FREDDY CASTRO GUERRA
34 N MCKINLEY ST
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(HIGH SEISMIC) - OPEN GABLE END BUILDING
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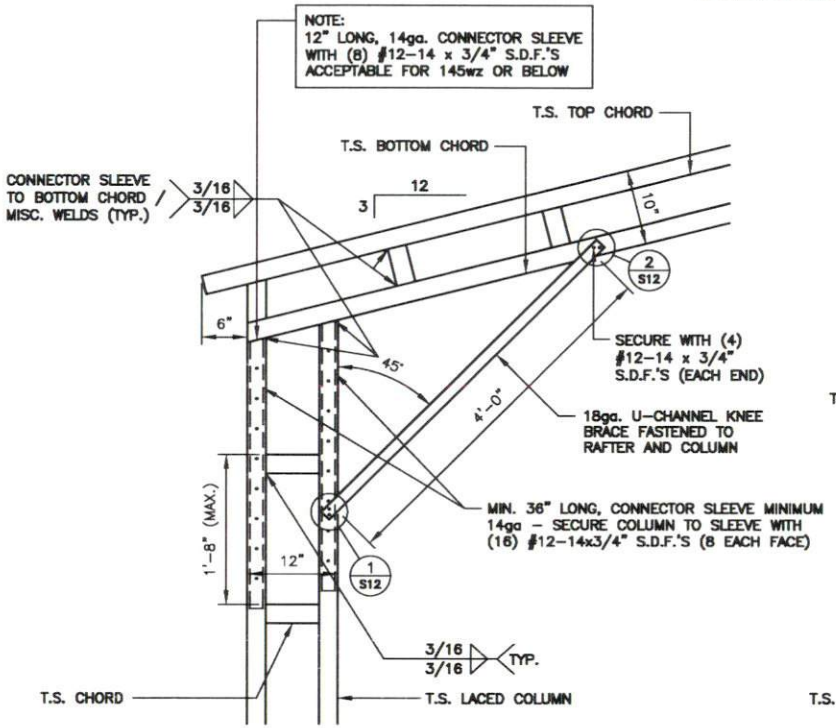
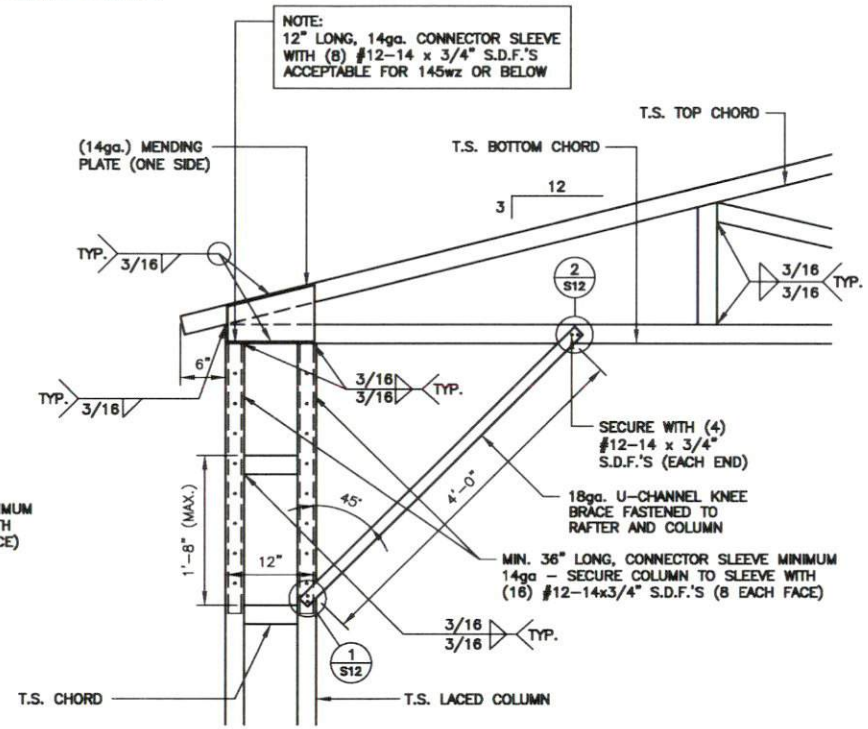
LACED COLUMN OPTIONS



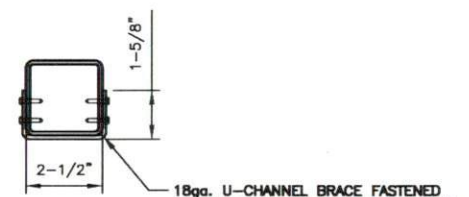
1 / S4A BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS <20'-0"

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



1A / S4A BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS <20'-0" (FLAT BOTTOM CHORD OPTION)

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



BRACE SECTION

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828-310-7160

FREDDY CASTRO GUERRA
34 N MCKINLEY ST
COATS, NC 27521

(HIGH SEISMIC) - OPEN GABLE END BUILDING
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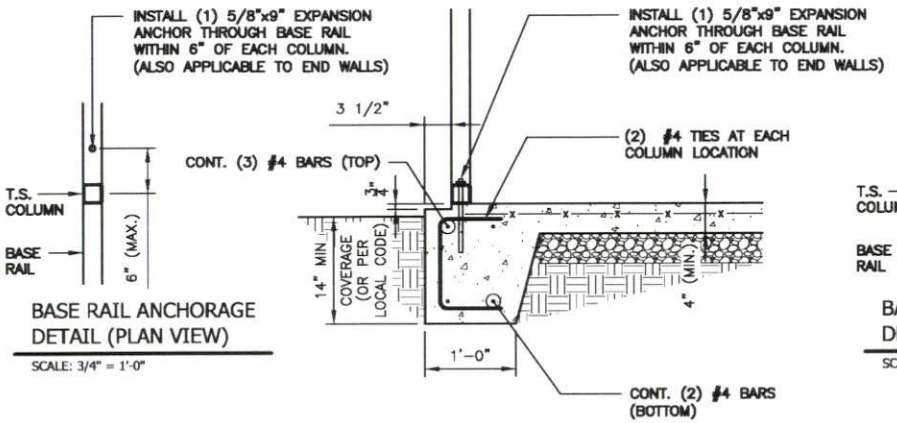
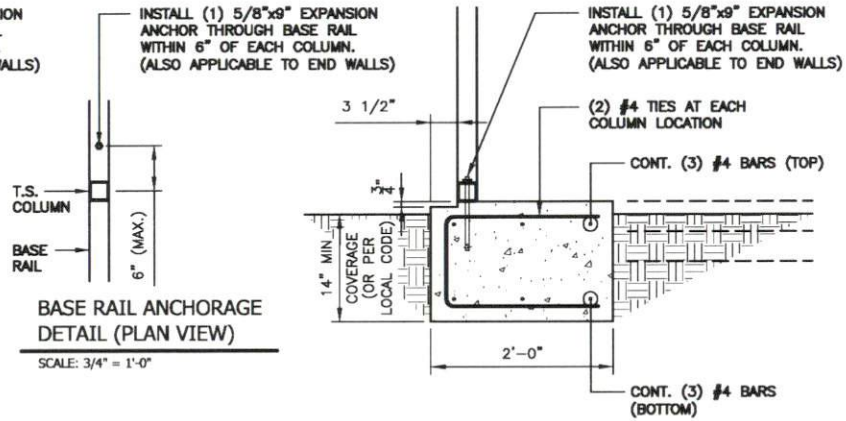
V1.1

(HIGH SEISMIC) SINGLE COLUMN OPTIONS (LEAN-TO'S ONLY)





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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FREDDY CASTRO GUERRA
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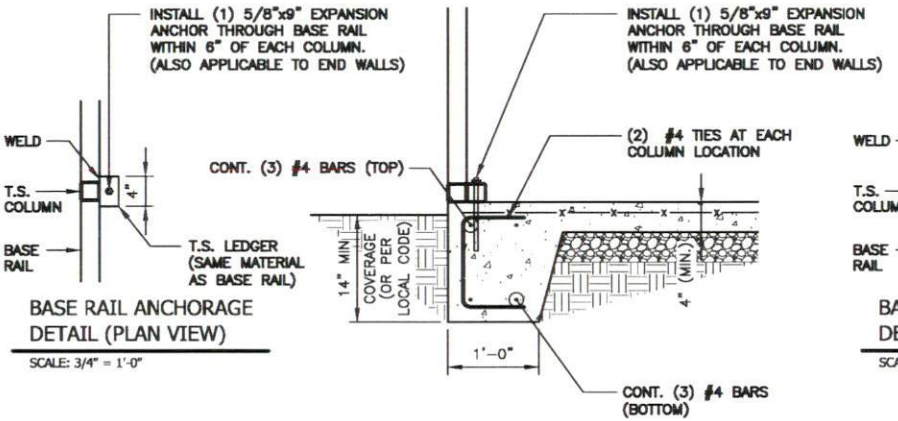
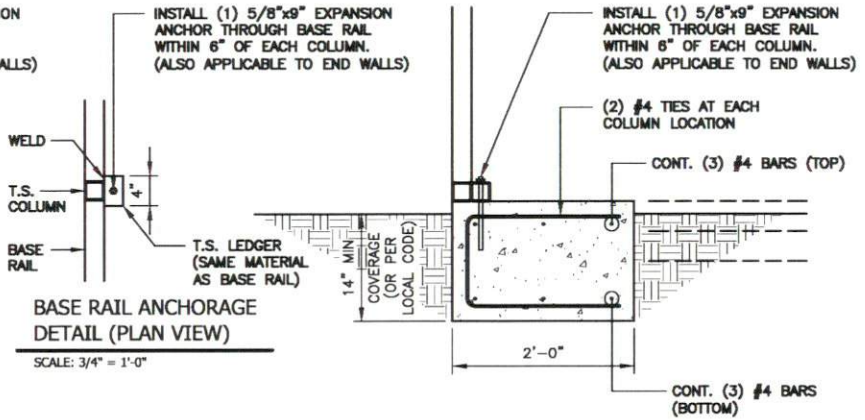
NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

v.1

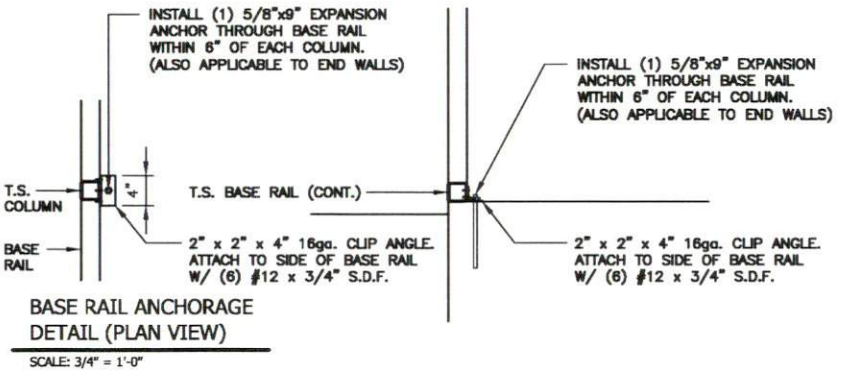
(HIGH SEISMIC) SINGLE COLUMN OPTIONS - NO SIDING LEDGE



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



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



2 S5A (ALTERNATE) 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 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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NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

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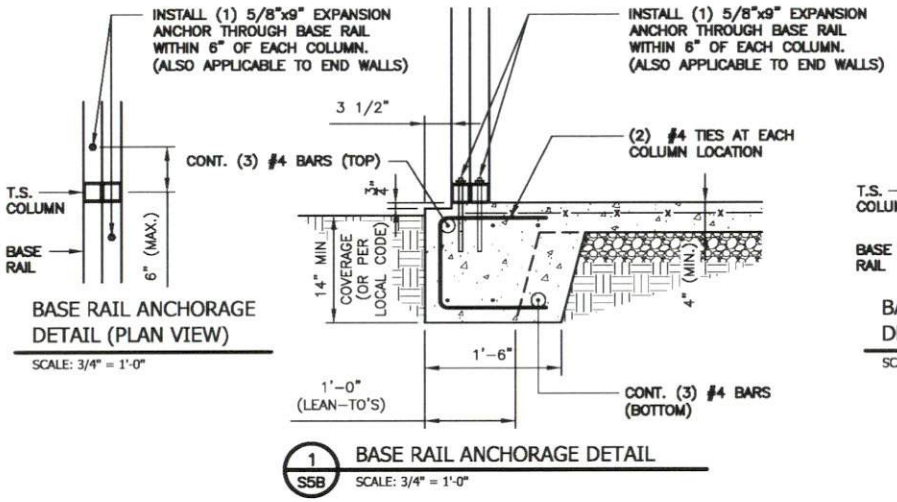
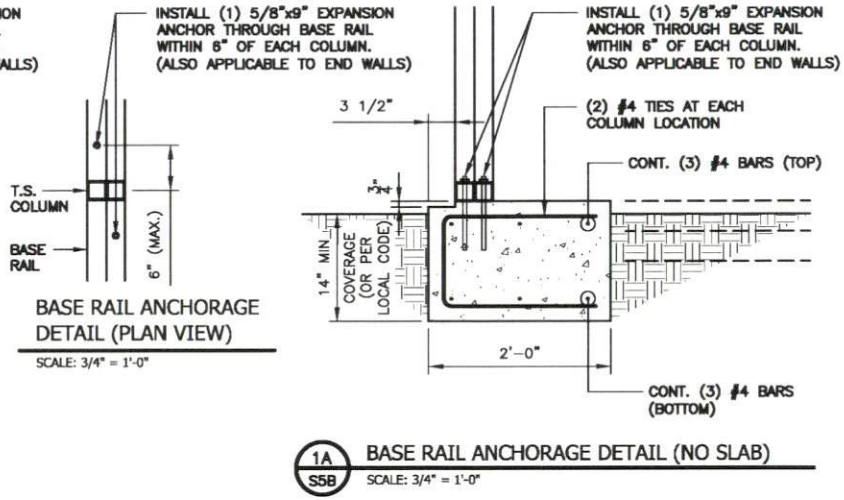
(HIGH SEISMIC) DOUBLE COLUMN OPTIONS





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.

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

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Project No. 2426-0091

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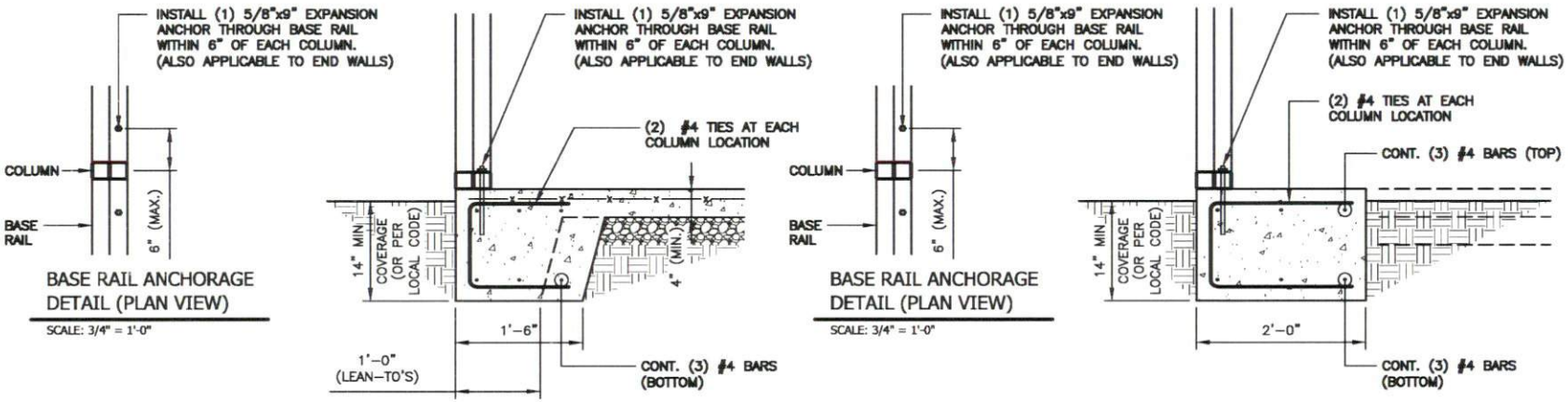
NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

V1

(HIGH SEISMIC) DOUBLE COLUMN OPTIONS - NO SIDING LEDGE



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.

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

FREDDY CASTRO GUERRA
34 N MCKINLEY ST
COATS, NC 27521

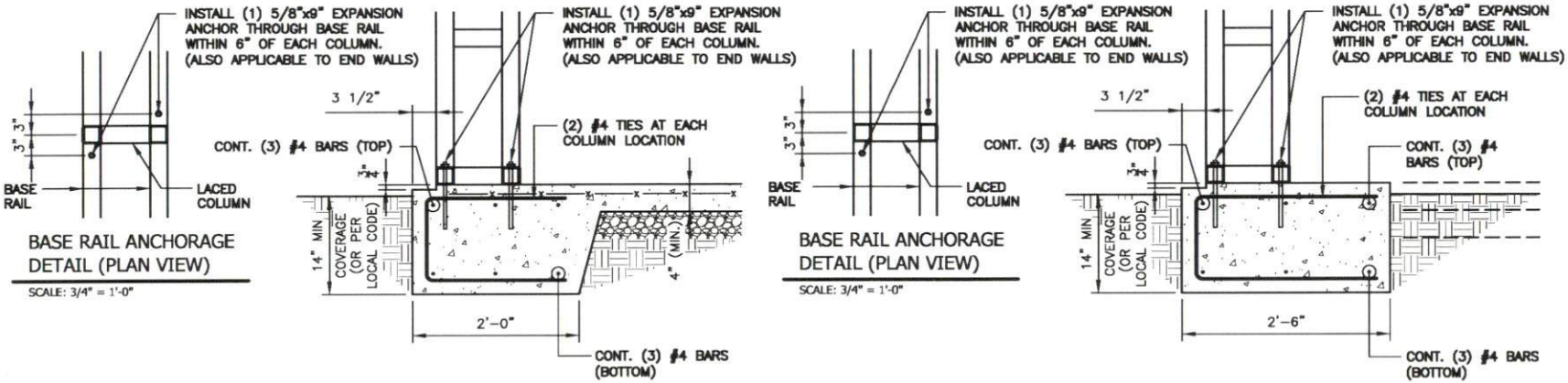
(HIGH SEISMIC) - OPEN GABLE END BUILDING
MAXIMUM >31' TO <40' WIDE x <20' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 155 M.P.H. WIND ZONE - 35 SNOW LOAD

Project No. 2426-0091
Sheet No. S5C
Date: 01/31/26
Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

V1.1

(HIGH SEISMIC) LACED COLUMN OPTIONS



GENERAL NOTES:

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

CONCRETE:
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Project No. 2426-0091

Sheet No. S5D

FREDDY CASTRO GUERRA
34 N MCKINLEY ST
COATS, NC 27521

(HIGH SEISMIC) - OPEN GABLE END BUILDING
MAXIMUM >31' TO <40' WIDE x <20' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 155 M.P.H. WIND ZONE - 35 SNOW LOAD

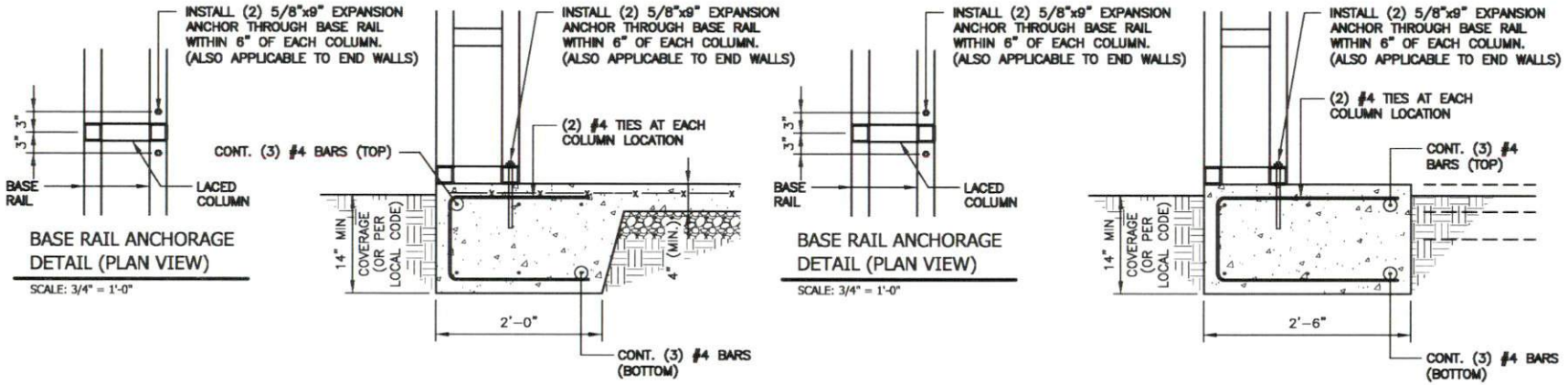
Date: 01/31/26

Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

V.1

(HIGH SEISMIC) LACED COLUMN OPTIONS (NO SIDING LEDGE)



1 / S5E BASE RAIL ANCHORAGE DETAIL
SCALE: 3/4" = 1'-0"

1A / S5E 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:
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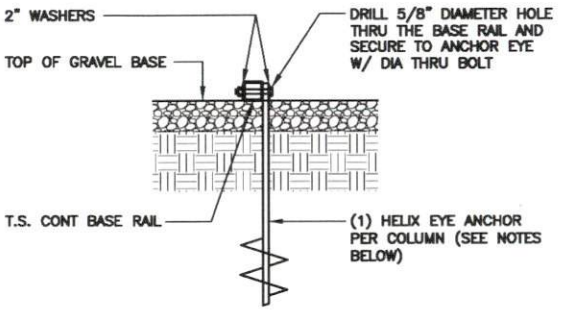
(UP TO) 155 M.P.H. WIND ZONE - 35 SNOW LOAD

Project No. 2426-0091
Sheet No. S5E
Date: 01/31/26
Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

V1.1

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'–0"oc MAX. WITH #4 REBAR AT 5'–0"oc BETWEEN.

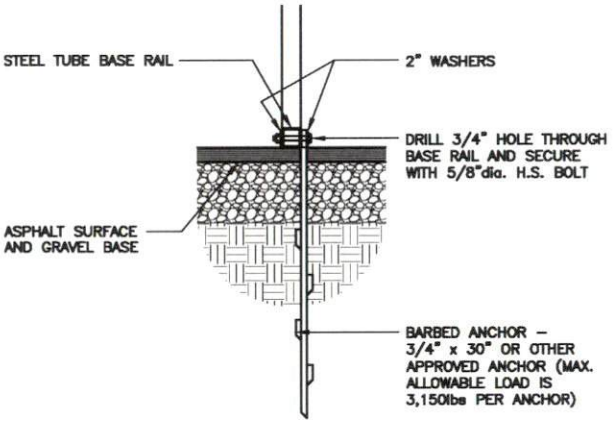
FOR CORAL, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT – ONE EACH END BASE RAIL AND 25'–0"oc MAX. WITH #4 REBAR AT 5'–0"oc BETWEEN.

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'–0"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'–0"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'–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.



2 / S6 ASPHALT / BASE RAIL ANCHORAGE DETAIL

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

BARBED ANCHOR EMBEDMENT INFORMATION:

(1) ASPHALT ANCHOR WITHIN 6" OF EACH COLLUMN.

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

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FREDDY CASTRO GUERRA
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COATS, NC 27521

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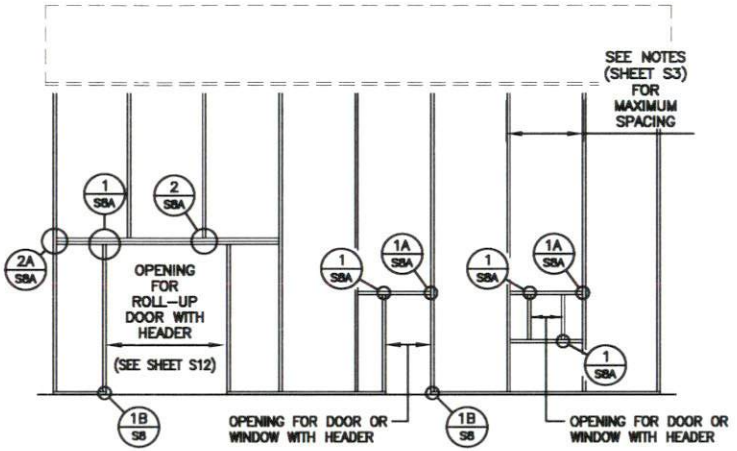
NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

V1.1

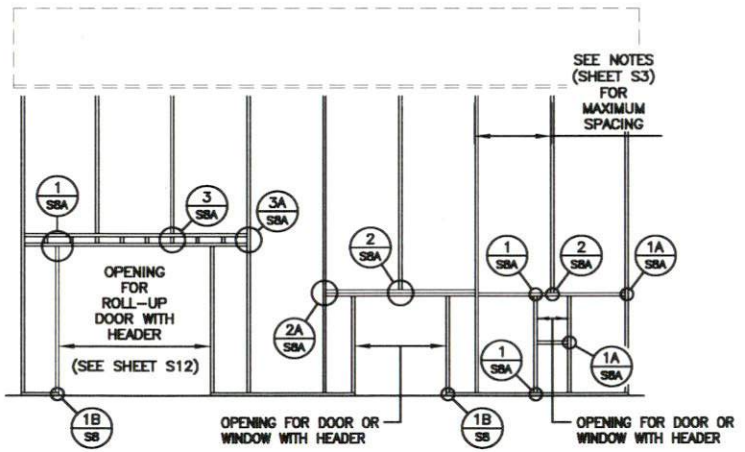
TYPICAL SIDE / END WALL OPENING FRAMING SECTIONS

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



TYPICAL 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

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FREDDY CASTRO GUERRA
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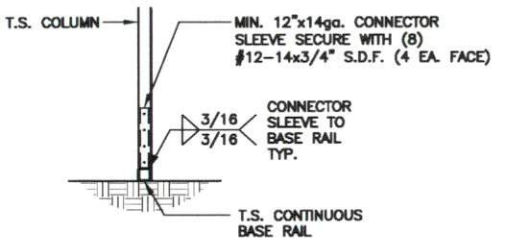
Project No. 2426-0091
Sheet No. S7
Date: 01/31/26
Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

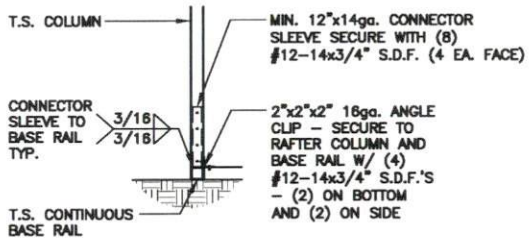
V1.1

BASE RAIL CONNECTION DETAILS



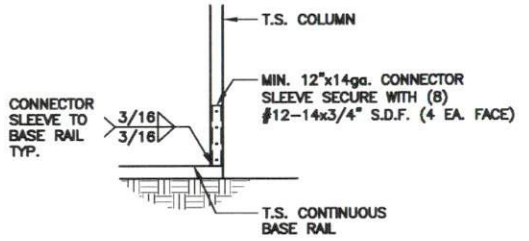
1 / S8 COLUMN / BASE RAIL CONNECTION DETAIL

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



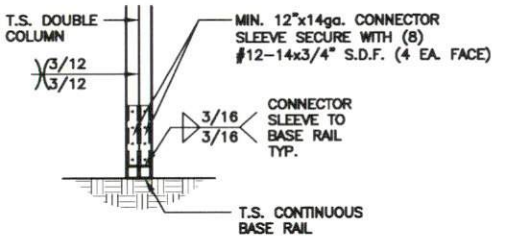
1A / S8 END COLUMN / BASE RAIL CONNECTION DETAIL

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



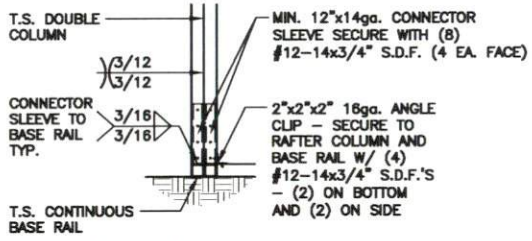
1B / S8 COLUMN / BASE RAIL CONNECTION DETAIL

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



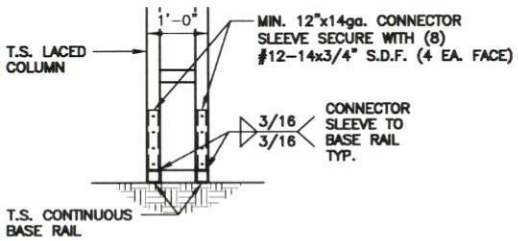
2 / S8 COLUMN / BASE RAIL CONNECTION DETAIL

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



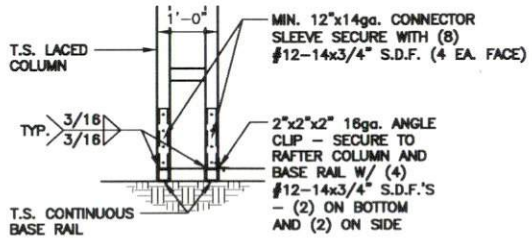
2A / S8 END COLUMN / BASE RAIL CONNECTION DETAIL

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



3 / S8 COLUMN / BASE RAIL CONNECTION DETAIL

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



3A / S8 END COLUMN / BASE RAIL CONNECTION DETAIL

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

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Project No. 2426-0091

Sheet No. S8

FREDDY CASTRO GUERRA
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COATS, NC 27521

(HIGH SEISMIC) - OPEN GABLE END BUILDING
MAXIMUM >31' TO <40' WIDE x <20' MAXIMUM EAVE HEIGHT (BOX FRAME)
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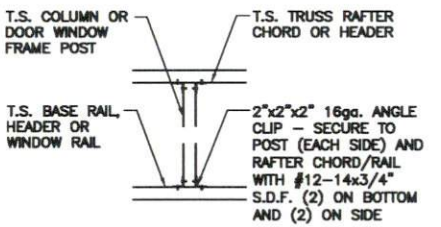
Date: 01/31/26

Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

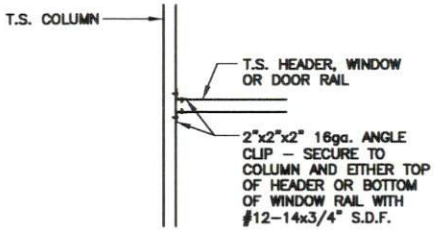
V.1

CONNECTION DETAILS



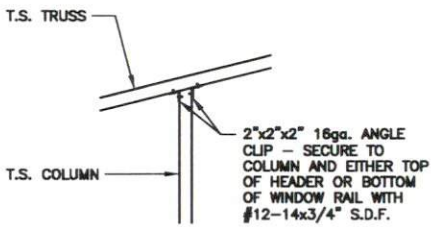
1 S8A POST TO TRUSS / HEADER CONNECTION DETAIL

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



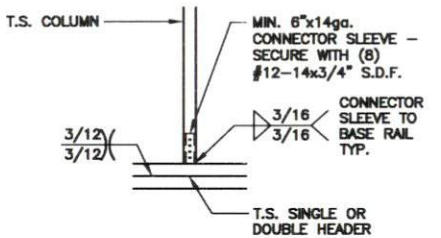
1A S8A HEADER RAIL TO POST CONNECTION DETAIL

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



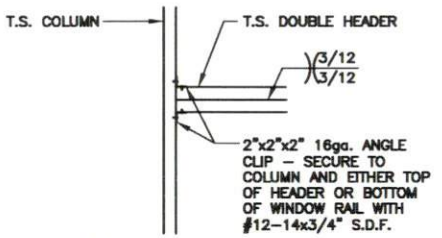
1B S8A POST TO TRUSS CONNECTION DETAIL

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



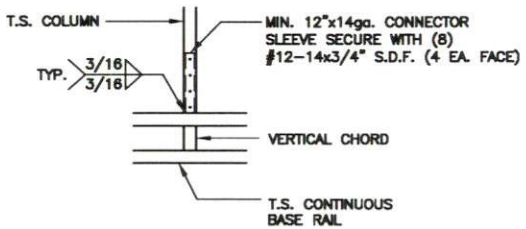
2 S8A POST TO DOUBLE HEADER CONNECTION DETAIL

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



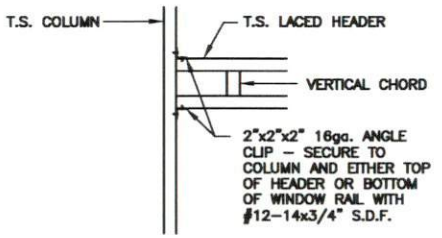
2A S8A DOUBLE HEADER TO POST CONNECTION DETAIL

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



3 S8A POST TO LACED HEADER CONNECTION DETAIL

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



3A S8A LACED HEADER TO POST CONNECTION DETAIL

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

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Project No. 2426-0091

Sheet No. S8A

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COATS, NC 27521

(HIGH SEISMIC) - OPEN GABLE END BUILDING
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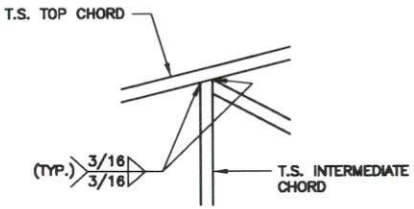
Date: 01/31/26

Revisions: -

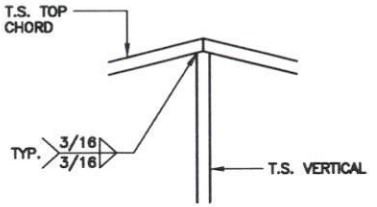
NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

V1.1

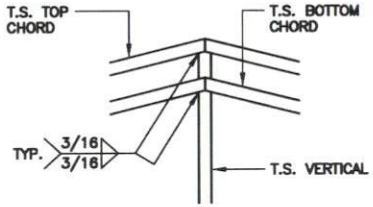
TRUSS CONNECTION DETAILS



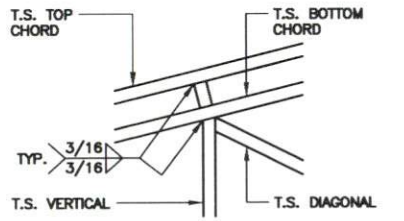
1 S8B INTERMEDIATE CHORD / TOP CHORD CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



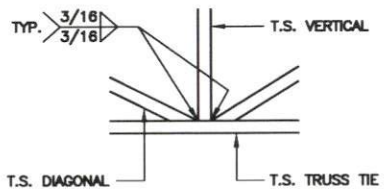
2 S8B CENTER POST / TRUSS CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



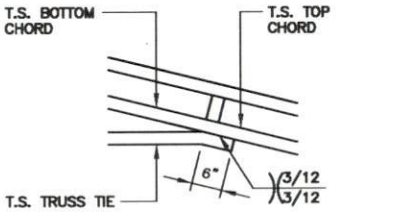
3 S8B CENTER POST / TRUSS CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



4 S8B VERTICAL / DIAGONAL / TRUSS CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



5 S8B CENTER POST / TRUSS TIE CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



6 S8B TRUSS TIE / TRUSS CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

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Project No. 2426-0091

Sheet No. S8B

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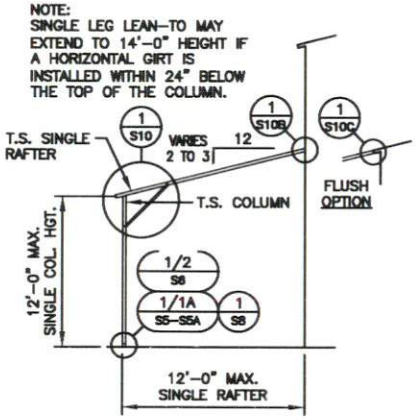
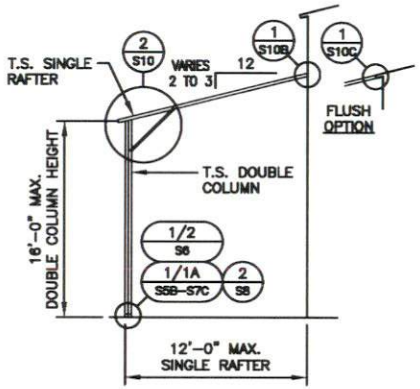
01/31/2026

V1.1

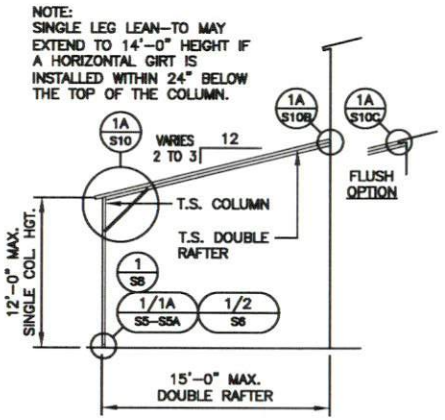
LEAN-TO FRAMING OPTIONS



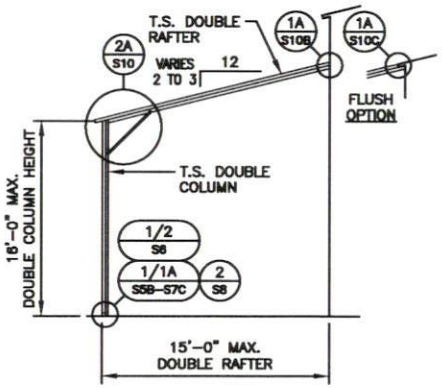
SINGLE RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION



SINGLE RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION



DOUBLE RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION



DOUBLE RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION

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828-310-7160

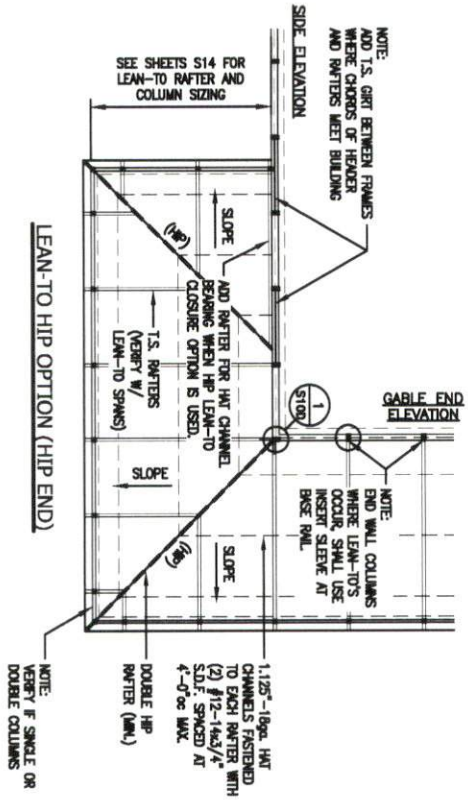
FREDDY CASTRO GUERRA
34 N MCKINLEY ST
COATS, NC 27521

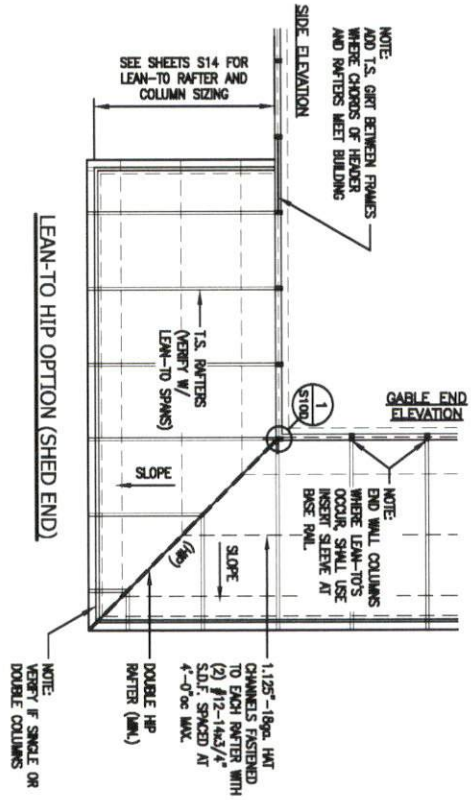
(HIGH SEISMIC) - OPEN GABLE END BUILDING
MAXIMUM >31' TO <40' WIDE x <20' MAXIMUM EAVE HEIGHT (BOX FRAME)
(UP TO) 155 M.P.H. WIND ZONE - 35 SNOW LOAD

Project No. 2426-0091
Sheet No. S9
Date: 01/31/26
Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

V1.1





LEAN-TO HIP FRAMING OPTIONS

FREDDY CASTRO GUERRA
34 N MCKINLEY ST
COATS, NC 27521

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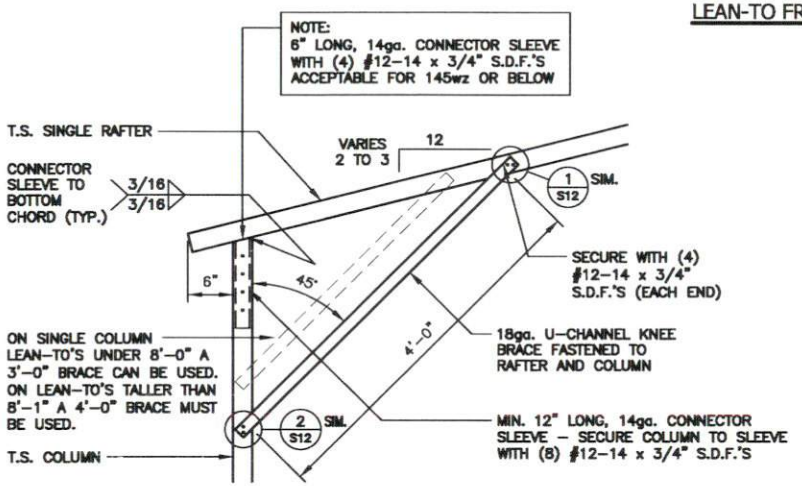
Date: 01/31/26	(HIGH SEISMIC) - OPEN GABLE END BUILDING	Project No. 2426-0091
Revisions: -	MAXIMUM >31' TO <40' WIDE x <20' MAXIMUM EAVE HEIGHT (BOX FRAME) (UP TO) 155 M.P.H. WIND ZONE - 35 SNOW LOAD	Sheet No. S9A

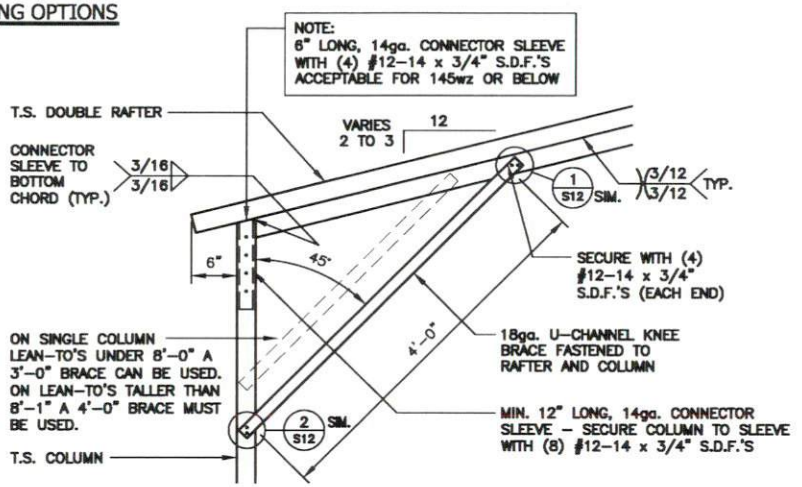
VI.1

LEAN-TO FRAMING OPTIONS



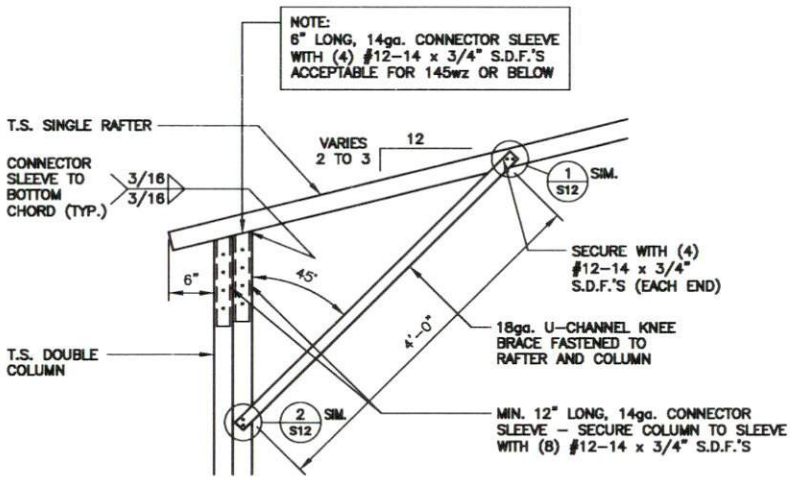
1 S10 LEAN-TO SINGLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

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



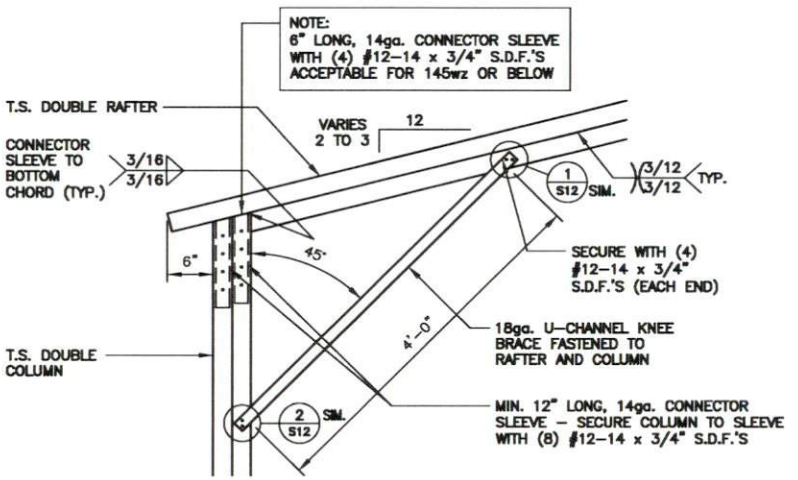
1A S10 LEAN-TO DOUBLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

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



2 S10 LEAN-TO SINGLE RAFTER / DOUBLE COLUMN CONNECTION DETAIL

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



2A S10 LEAN-TO DOUBLE RAFTER / DOUBLE COLUMN CONNECTION DETAIL

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

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COATS, NC 27521

(HIGH SEISMIC) - OPEN GABLE END BUILDING
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(UP TO) 155 M.P.H. WIND ZONE - 35 SNOW LOAD

Project No. 2426-0091

Sheet No. S10

Date: 01/31/26

Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

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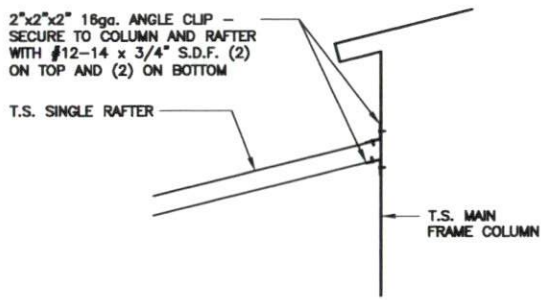
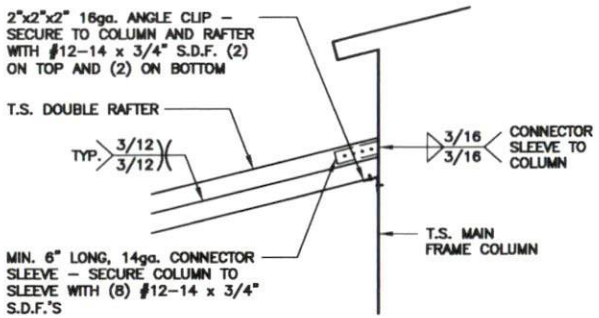
LEAN-TO FRAMING OPTIONS



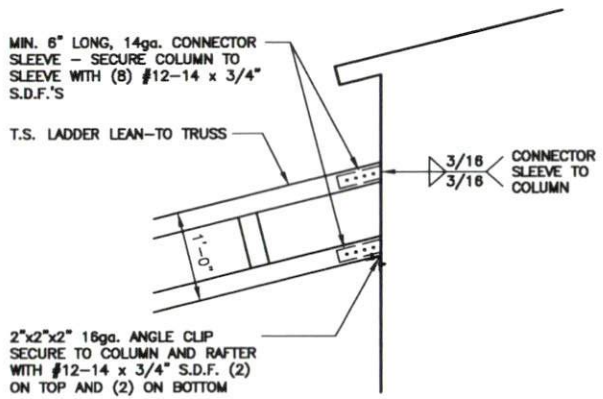
1 S10B LEAN-TO SINGLE RAFTER / BUILDING FRAME CONNECTION DETAIL

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



1A S10B LEAN-TO DOUBLE RAFTER / BUILDING FRAME CONNECTION DETAIL

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



2 S10B LEAN-TO SINGLE RAFTER / BUILDING FRAME CONNECTION DETAIL

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

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Project No. 2426-0091
Sheet No. S10B
Date: 01/31/26
Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

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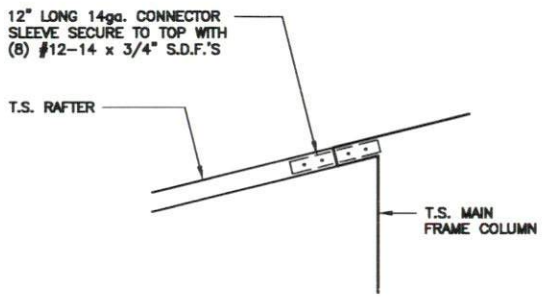
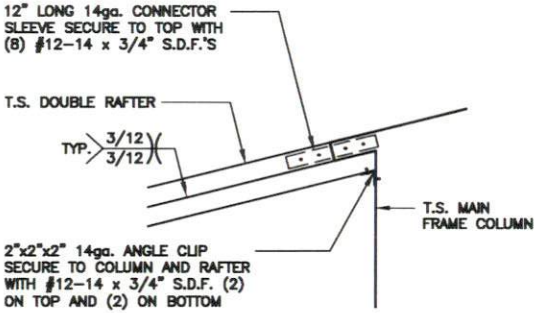
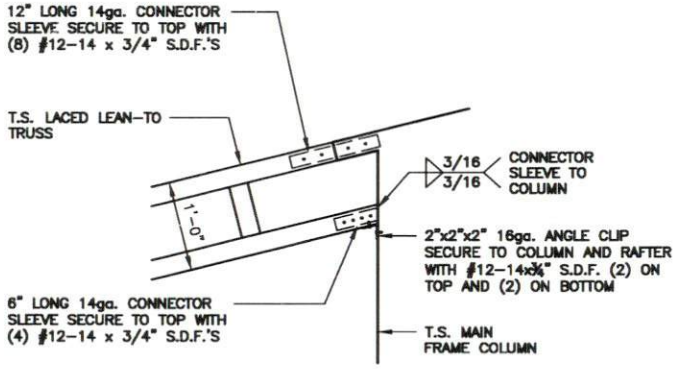
LEAN-TO FRAMING OPTIONS



1 S10C LEAN-TO SINGLE RAFTER / BUILDING FRAME (FLUSH) CONNECTION DETAIL
SCALE: 3/4" = 1'-0"



1A S10C LEAN-TO SINGLE RAFTER / BUILDING FRAME (FLUSH) CONNECTION DETAIL
SCALE: 3/4" = 1'-0"



2 S10C LEAN-TO SINGLE RAFTER / BUILDING FRAME (FLUSH) CONNECTION DETAIL
SCALE: 3/4" = 1'-0"

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FREDDY CASTRO GUERRA
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(HIGH SEISMIC) - OPEN GABLE END BUILDING
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Project No. 2426-0091
Sheet No. S10C
Date: 01/31/26
Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

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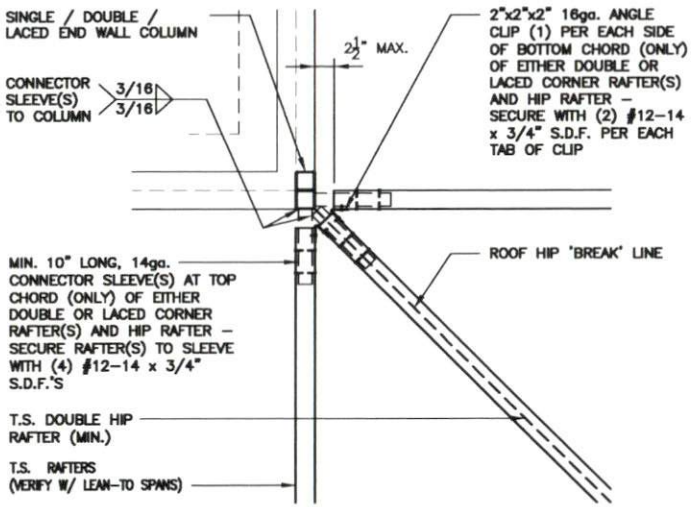
LEAN-TO FRAMING OPTIONS



1 S10D END WALL COLUMN / HIP RAFTER CONNECTION DETAIL

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

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(HIGH SEISMIC) - OPEN GABLE END BUILDING

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(UP TO) 155 M.P.H. WIND ZONE - 35 SNOW LOAD

Project No. 2426-0091

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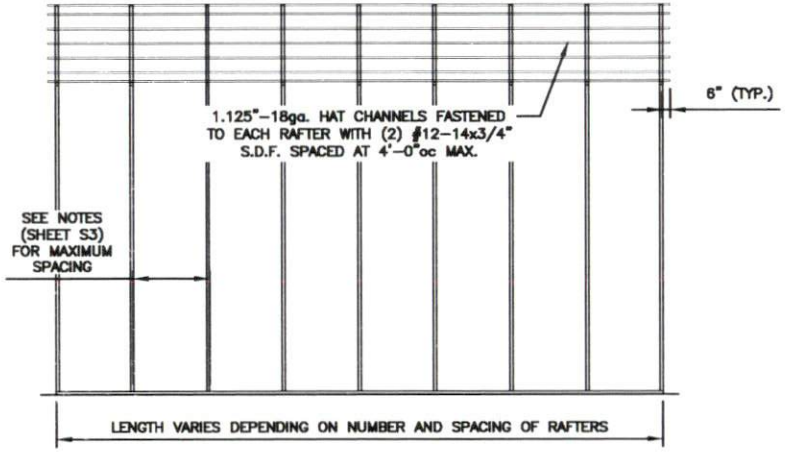
Date: 01/31/26

Revisions: -

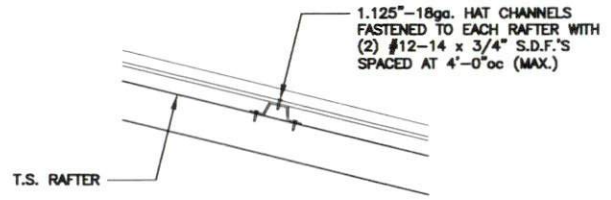
NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP 01/31/2026

V.1

ROOF / HAT CHANNEL ELEVATION



TYPICAL SIDE FRAMING SECTION VERTICAL ROOF / SIDING OPTION



(TYPICAL) ROOF PANEL ATTACHMENT

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Project No. 2426-0091
Sheet No. S11
Date: 01/31/26
Revisions: -

NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REED
01/31/2026

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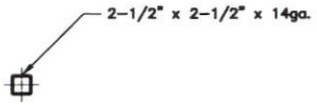
GENERAL NOTE:

PROVIDE DOUBLE WYTHE HEADER ON DOUBLE COLUMNS.

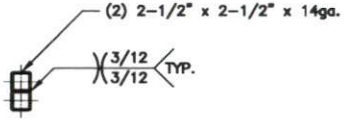
PROVIDE DOUBLE WYTHE HEADER ON LACED COLUMNS

HEADER OPTIONS

SIDE WALL HEADER OPTIONS

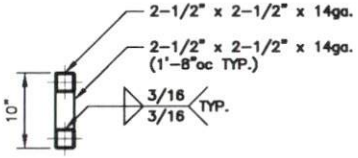


SINGLE T.S. HEADER DETAIL
FOR OPENINGS <4'-0"

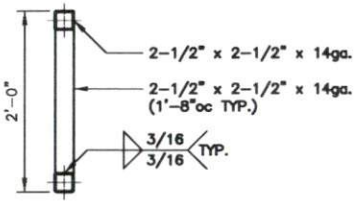


DOUBLE T.S. HEADER DETAIL
FOR OPENINGS >4'-0" TO <12'-0"

FABRICATOR NOTE:
MAX. SPAN FOR SINGLE WYTHE HEADER IS 8'-0"

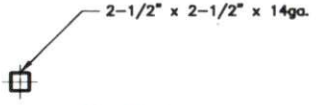


LACED T.S. HEADER DETAIL
FOR OPENINGS >12'-1" TO <16'-0"

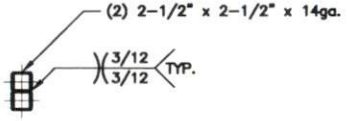


LACED T.S. HEADER DETAIL
FOR OPENINGS >16'-1" TO <20'-0"

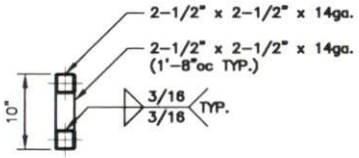
END WALL HEADER OPTIONS



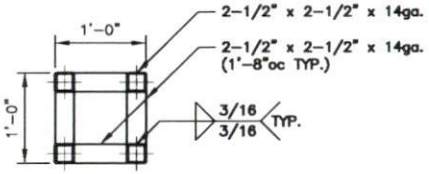
SINGLE T.S. HEADER DETAIL
FOR OPENINGS <7'-0"



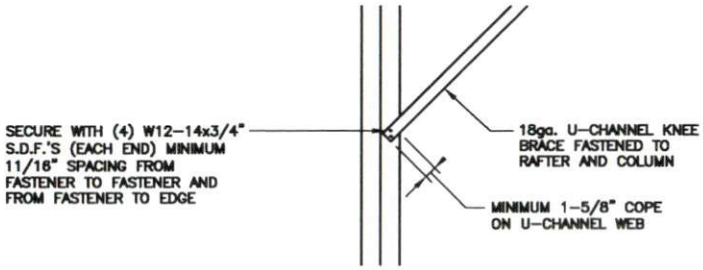
DOUBLE T.S. HEADER DETAIL
FOR OPENINGS >7'-1" TO <16'-0"



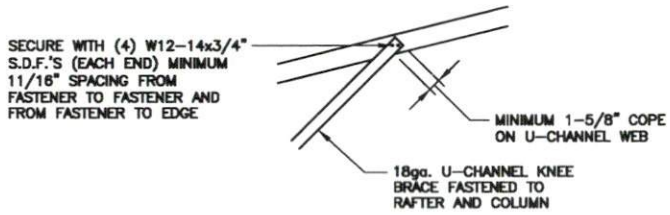
LACED T.S. HEADER DETAIL
FOR OPENINGS >16'-1" TO <20'-0"



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



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



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

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Sheet No. S12

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NORTH CAROLINA PROFESSIONAL SEAL 27874 ENGINEER JASON M. REEP
01/31/2026

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