

APPLICABLE CODES AND STANDARDS

- 1. 2020 FLORIDA BUILDING CODE (7TH EDITION)
- 2. 2018 INTERNATIONAL BUILDING CODE
- 3. ASCE 7-16: MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES
- 4. AISC STEEL CONSTRUCTION MANUAL (15TH EDITION)
- 5. ACI 318-14: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- 6. TMS 402-16: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
- 7. AWS D1.1: STRUCTURAL WELDING

INSTALLATION NOTES AND SPECIFICATIONS

- 1. ROOF PITCH SHALL NOT BE GREATER THAN 12H:4V
- 2. END WALL COLUMNS (POST) AND SIDE WALL COLUMNS ARE THE SAME U.N.O.
- 3. 29 GA METAL PANELS SHALL BE FASTENED DIRECTLY TO 2.5" x 2.5" x 14 GA TUBE STEEL (TS) FRAMING MEMBERS FOR VERTICAL PANELS.
- 3.1. 29 GA METAL PANELS SHALL BE FASTENED DIRECTLY TO 18 GA HAT CHANNELS U.N.O.
- 4. FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS SHALL BE:
 - 4.1. INTERIOR = 9"
 - 4.2. END = 6"
- 5. FASTENERS SHALL BE #12-14 x 3/4" SELF-DRILLING SCREWS (SDS), USE CONTROL SEAL WASHER WITH EXTERIOR FASTENERS.
 - 5.1. APPLICABLE ONLY FOR:
 - 5.1.1. MEAN ROOF HEIGHT OF 20'-0" OR LESS
 - 5.2. ROOF SLOPES OF 18" (4:12 PITCH) OR LESS.
 - 5.3. SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY.
 - 6. ANCHORS SHALL BE INSTALLED THROUGH THE BASE RAIL WITHIN 6" OF EACH RAFTER COLUMN ALONG SIDES AND ENDS.
 - 7. STANDARD GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBAR WITH WELDED NUT x 30" LONG AND MAY BE USED IN SUITABLE SOILS.
 - 7.1. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS AS NOTED. SOIL NAILS MAY BE USED FOR WIND SPEEDS LESS THAN OR EQUAL TO 145 MPH.
 - 8. STRUCTURAL ANALYSIS PERFORMED ON CAT 1 ENCLOSED BUILDING.
 - 9. EXTERIOR FINISH BY OTHERS.
 - 10. 5'-0" MAX. SPACING FOR END WALL SUPPORTS.

DESIGN LOADS

- 1. DEAD LOAD = 15 PSF
- 2. LIVE LOAD= 20 PSF
- 3. WIND LOAD (SEE TABLE 1)
 - A. RISK CATEGORY = I
 - B. WIND EXPOSURE CATEGORY = C
 - C. ULTIMATE WIND SPEED = 110 MPH
 - D. NOMINAL WIND SPEED = 85 MPH

TABLE 1

MEMBER	PRODUCT APPROVAL NUMBER	MAX WIND DESIGN PRESSURES
ROOF PANELS	FL39466	+41.6 PSF / -31.2 PSF
WALL PANELS	FL39594	+55.4 PSF / -41.6 PSF
GARAGE DOOR	CTP	CTP
WALK-IN DOOR	CTP	CTP

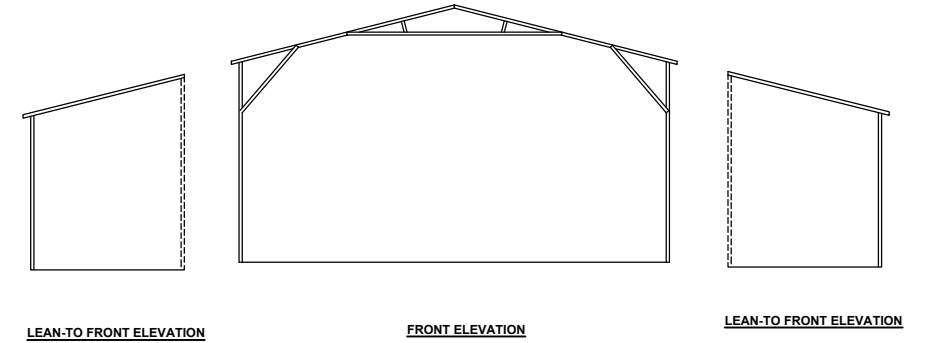
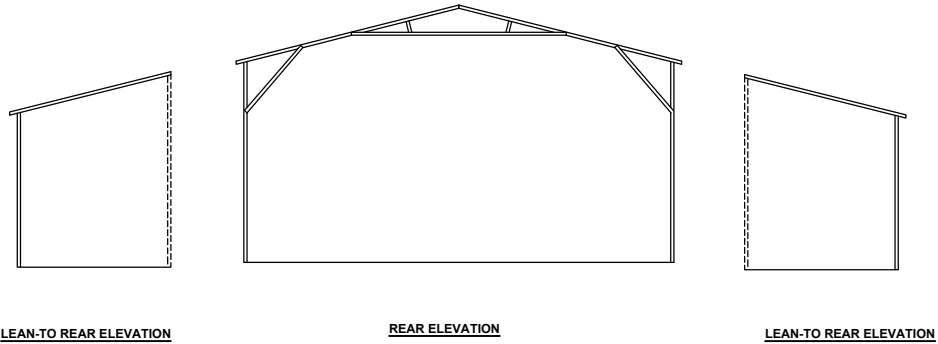
CTP = CONTRACTOR TO PROVIDE 2020 FBC APPROVED PRODUCTS THAT MEET OR EXCEED DESIGN PRESSURES AS TABULATED.

DRAWING INDEX

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S-3	FOUNDATION PLAN AND DETAILS
S-4	CONNECTION DETAILS (1 OF 2)
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S-6	BOX EAVE FRAME RAFTER LEAN-TO DETAILS

NO.	REVISIONS	DATE	DATE	2023-05-08	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
			DRAWN	SM			CA# 31728 ~ P: 386.320.7400 ~ WWW.COLLINSENG.COM ADAM COLLINS ENGINEERING INC.	WESLEY DAVIS	NOTES AND SPECIFICATIONS	DAVIS BUILDING	S-1
			DESIGNED	DMC				888 SW KING STREET LAKE CITY, FL 32024			SCALE
			CHECKED	ATC							AS SHOWN
			JOB No.	22047							

ENCLOSED METAL BUILDING DESIGN
28'-0" WIDE x 30'-0" LONG x 13'-0" HIGH (EAVE)
10'-0" WIDE x 30'-0" LONG x 10'-0" HIGH (LEAN-TO EA. SIDE)

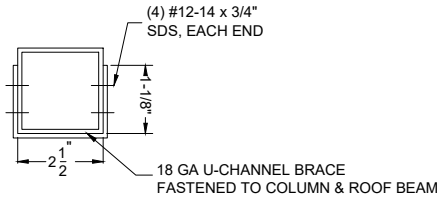
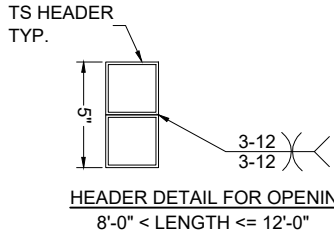


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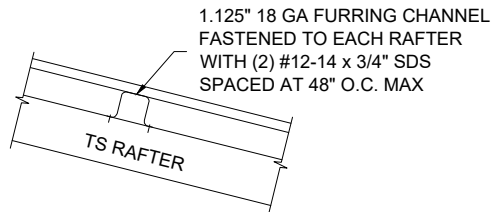
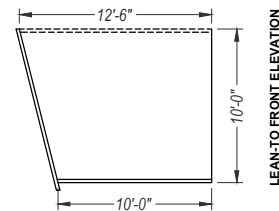
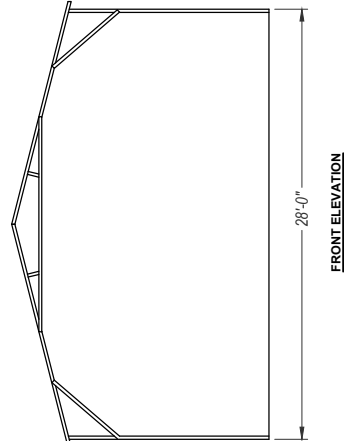
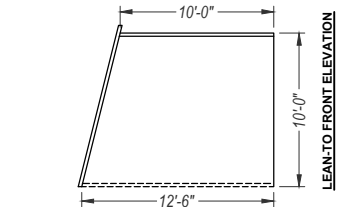
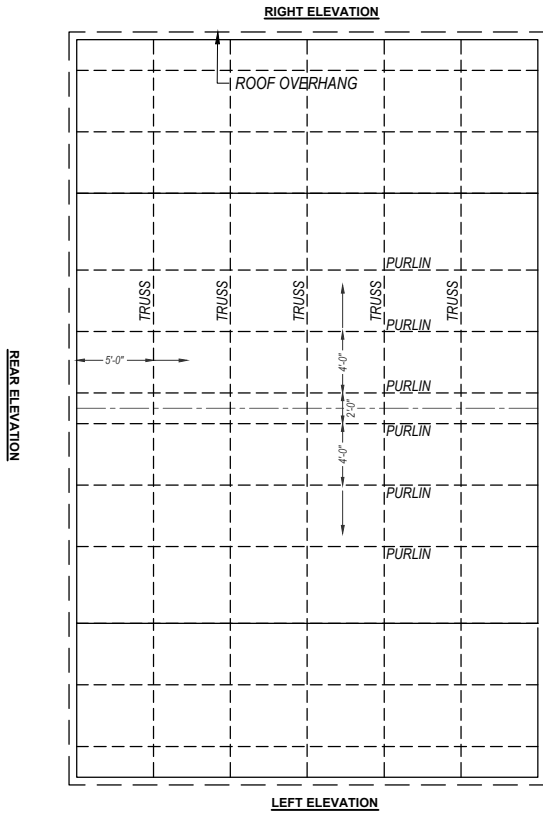
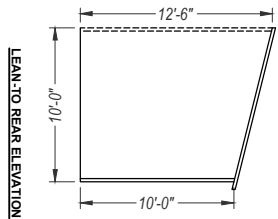
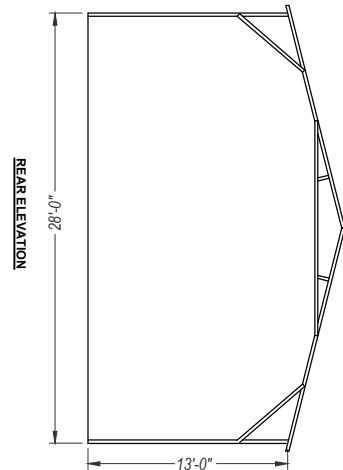
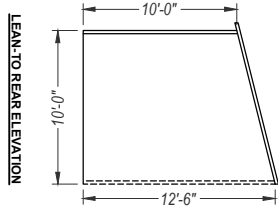
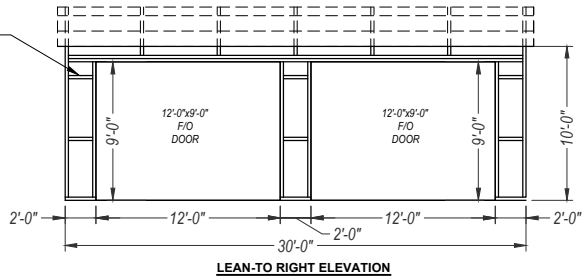
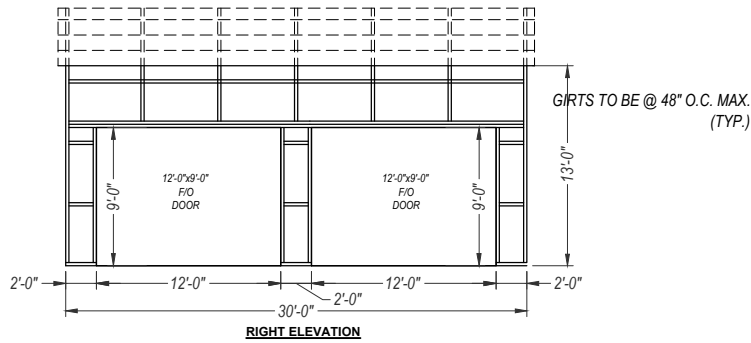
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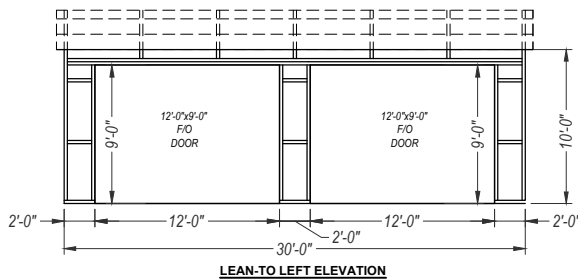
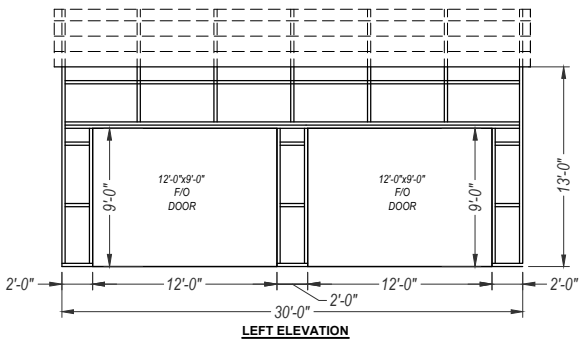
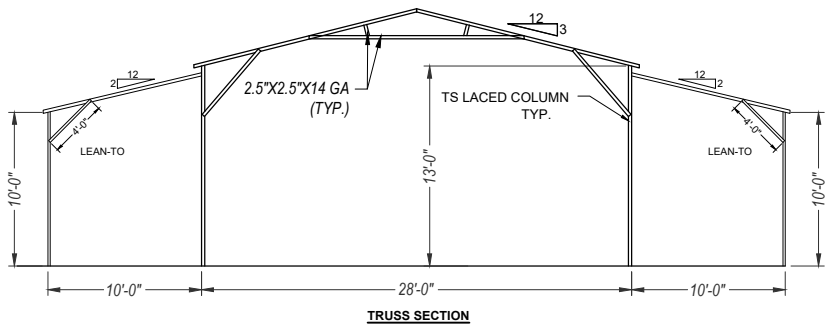
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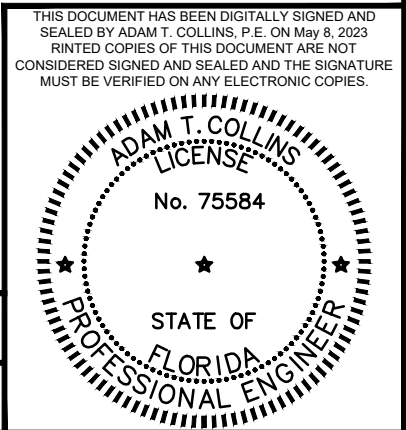
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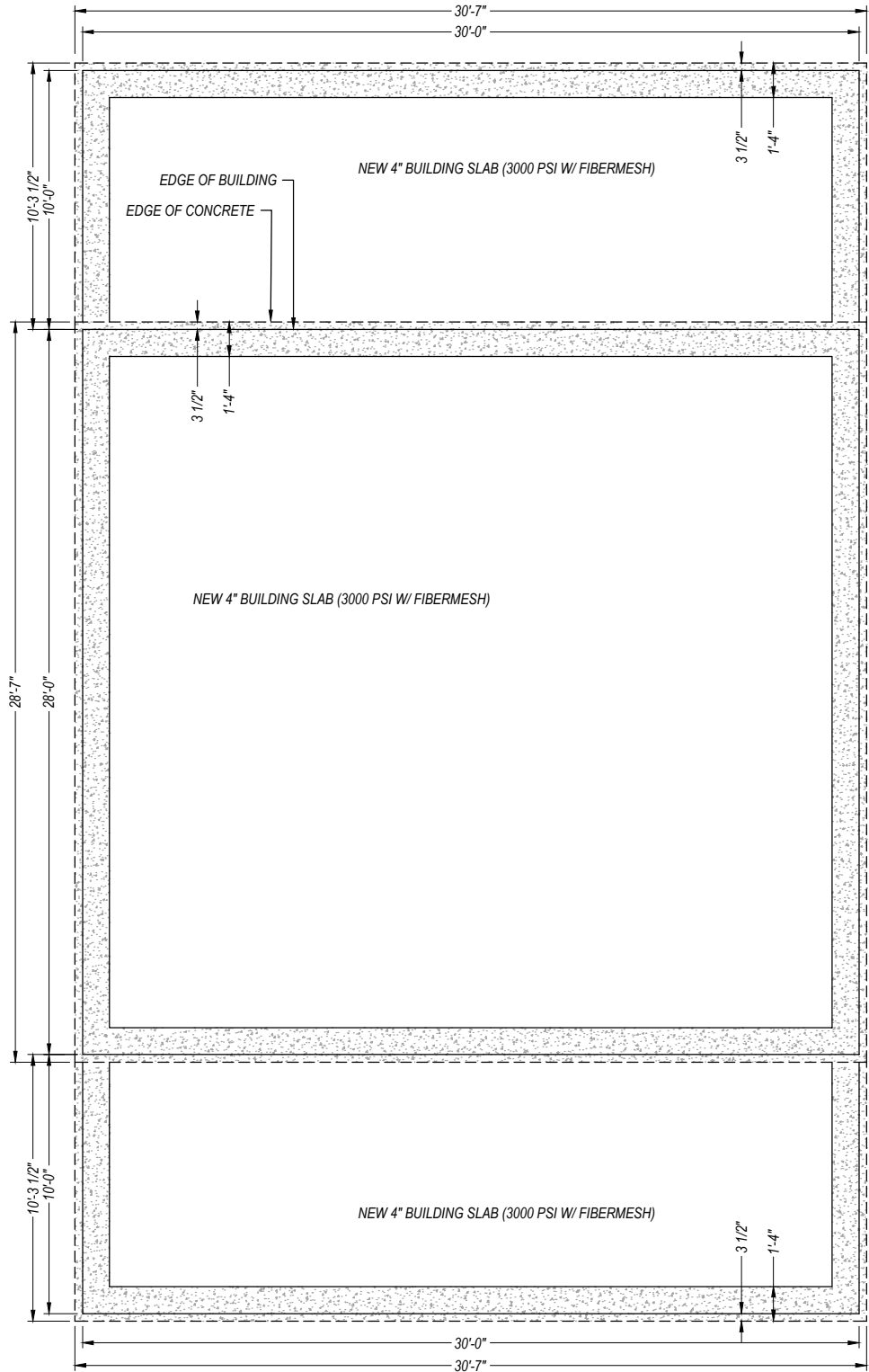
PANEL ATTACHMENT
(ALTERNATE FOR VERTICAL ROOF PANELS)
SCALE: NTS



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			DRAWN	SM			 ADAM COLLINS ENGINEERING INC. CA# 31728 ~ P: 386.320.7400 ~ WWW.COLLINSENG.COM	WESLEY DAVIS 888 SW KING STREET LAKE CITY, FL 32024	FRAMING LAYOUT ELEVATIONS	DAVIS BUILDING	S-2
			DESIGNED	DMC		SCALE					
			CHECKED	ATC		AS SHOWN					
			JOB No.	22047							



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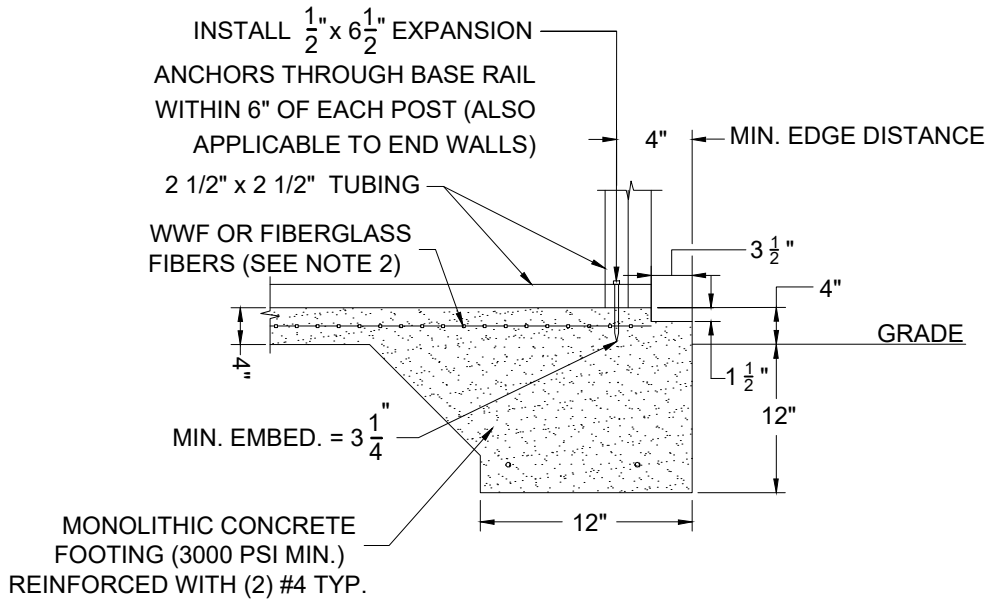


GENERAL NOTES

MINIMUM SOIL BEARING CAPACITY: 1500 PSF.
CONCRETE STRENGTH: 3000 PSI @ 28 DAYS

REINFORCING STEEL

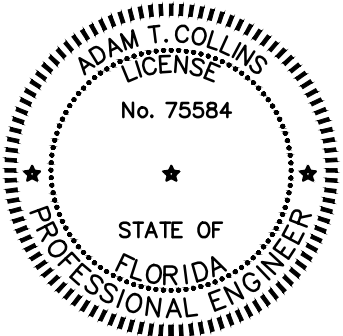
1. REBAR SHALL BE ASTM A615 GRADE 60
2. SLAB REINFORCEMENT = WELDED WIRE FABRIC PER ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT
3. CONCRETE COVER SHALL BE
 - 3.1. 3" WHERE EXPOSED TO SOIL OR WATER.
 - 3.2. 2" EVERYWHERE ELSE.
4. REBAR SHALL BE BENT WITHOUT HEATING.
5. MINIMUM BEND = 6 X BAR DIAMETER
6. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.



1

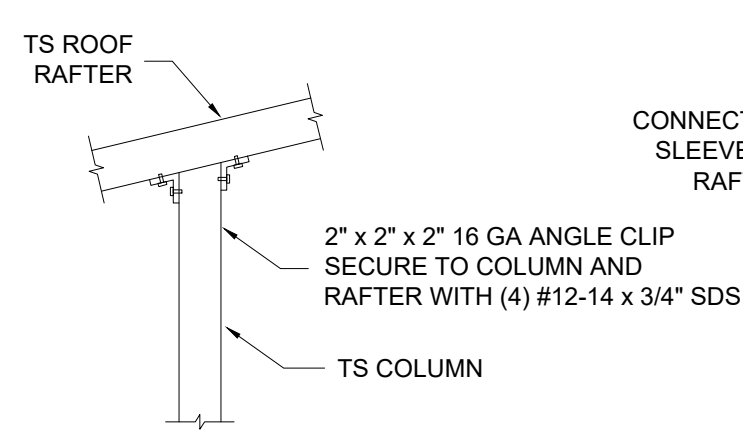
CONCRETE MONOLITHIC SLAB
BASE RAIL ANCHORAGE
SCALE: NTS

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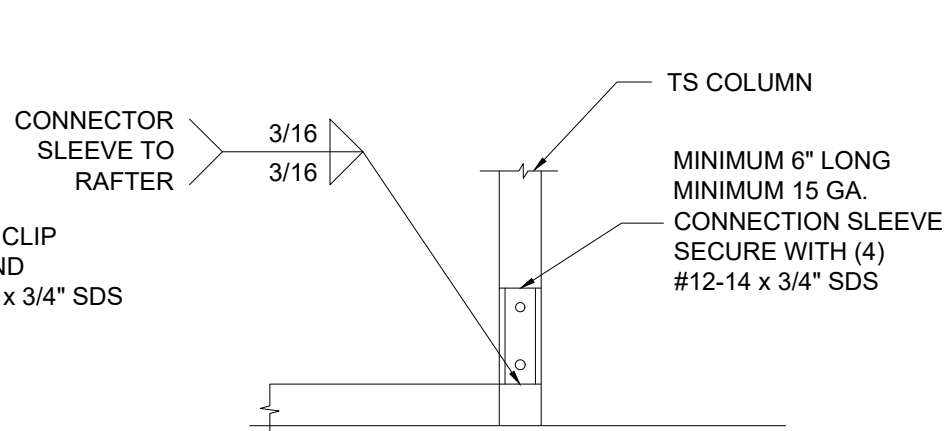


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			CHECKED	ATC							AS SHOWN
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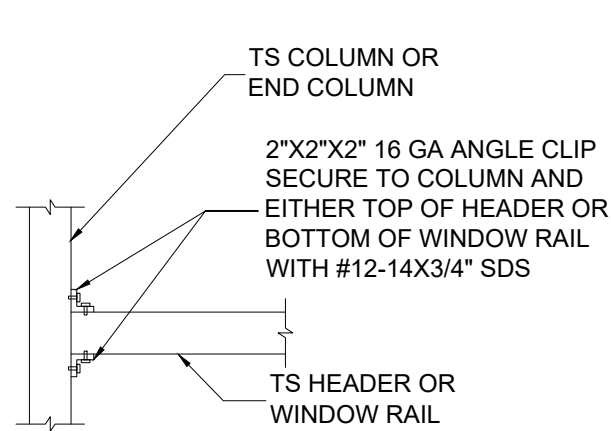
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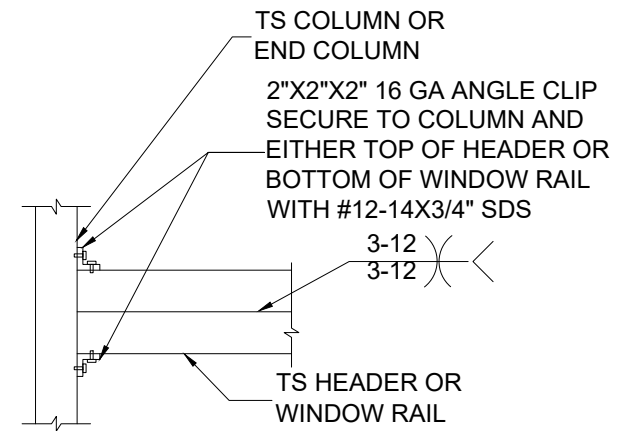
1 POST/RAFTER CONNECTION
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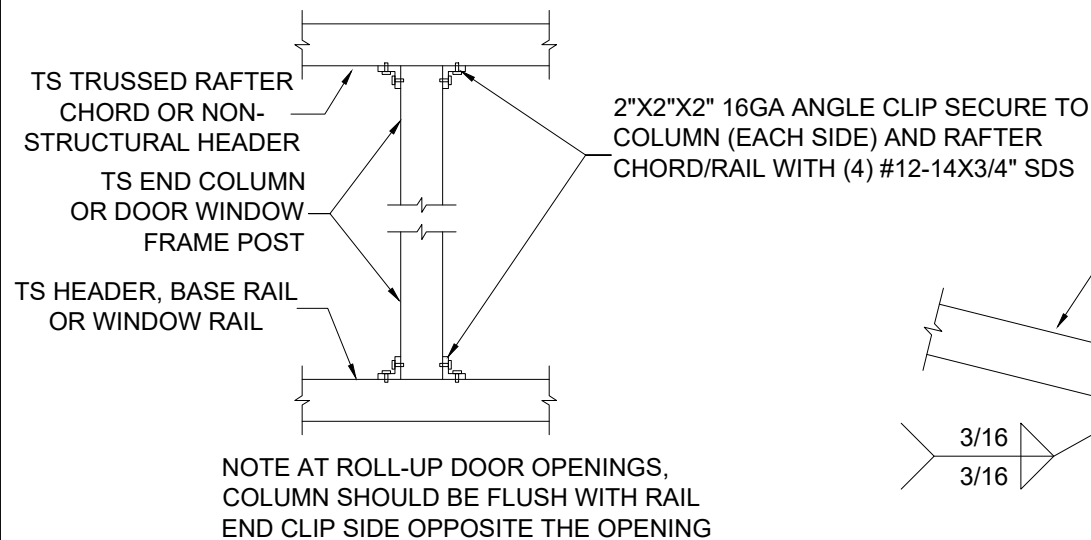
2 POST/BASE RAIL CONNECTION
SCALE: NTS



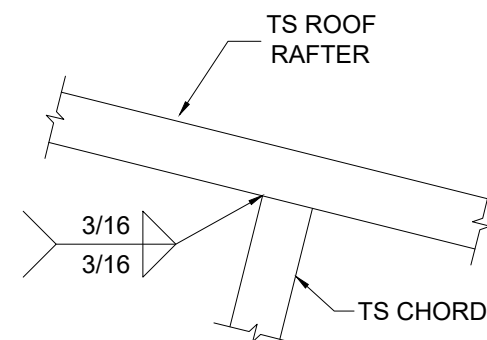
3 HEADER TO POST CONNECTION
SCALE: NTS



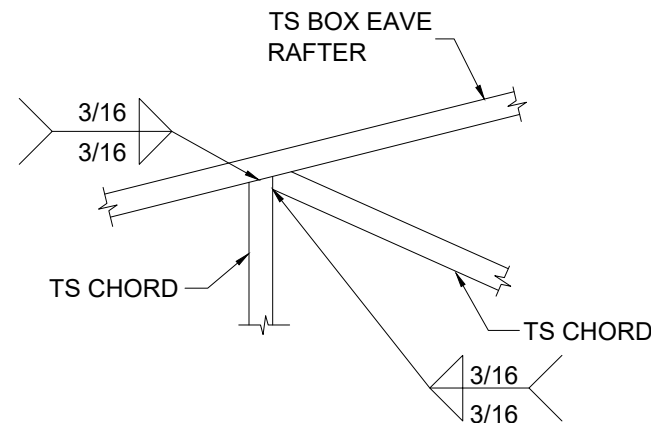
4 DOUBLE HEADER TO POST CONNECTION
SCALE: NTS



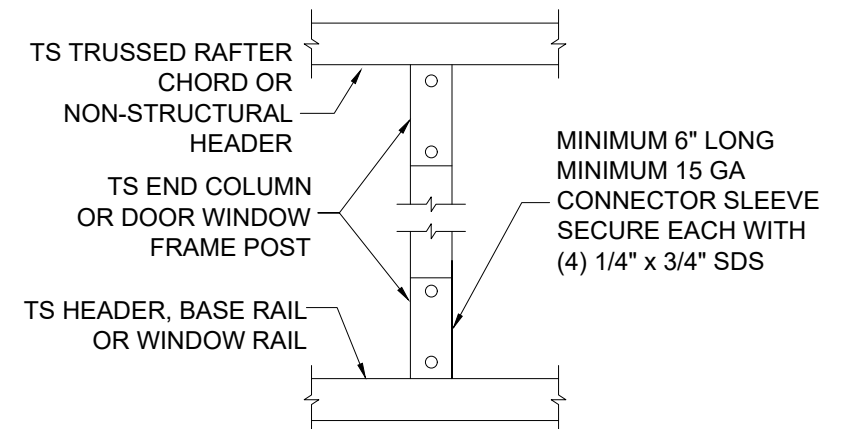
5 POST TO HEADER, BASE RAIL OR WINDOW RAIL CONNECTION
SCALE: NTS



6 RAFTER TO CHORD CONNECTION
SCALE: NTS

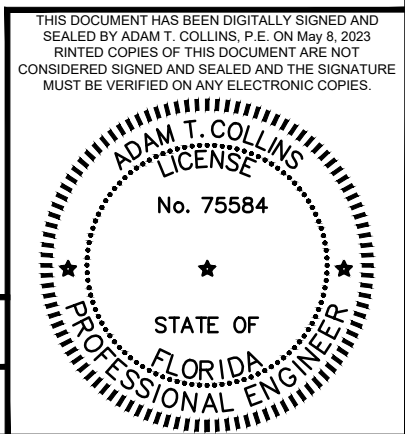


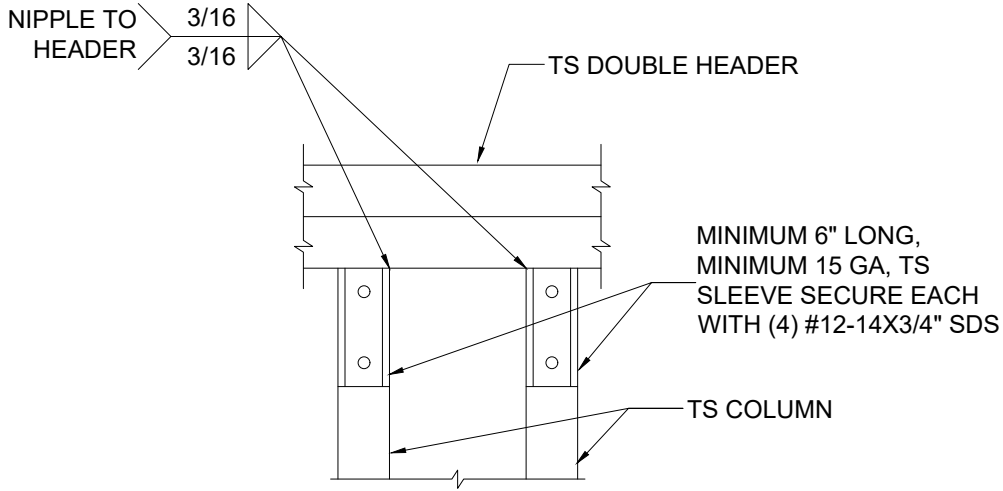
7 TRUSS POST AND CHORD TO RAFTER CONNECTION
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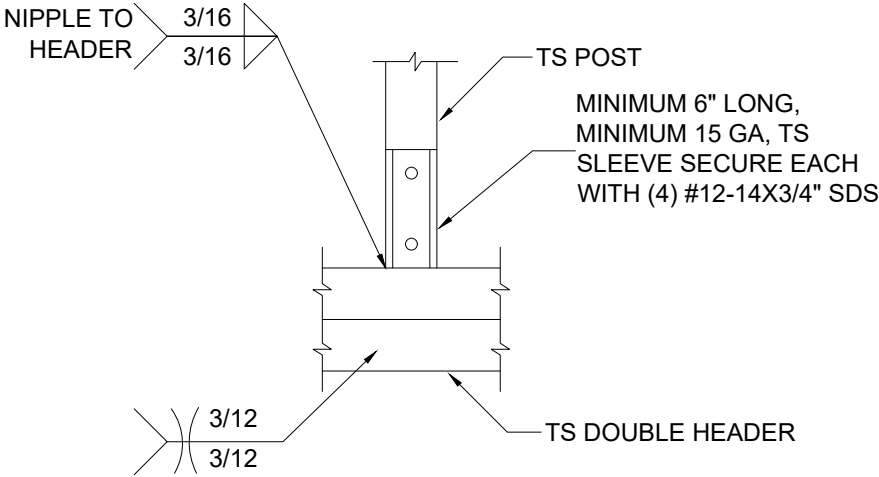
8 POST TO HEADER, BASE RAIL CONNECTION
SCALE: NTS

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			DESIGNED	DMC		SCALE					
			CHECKED	ATC		AS SHOWN					
			JOB No.	22047							

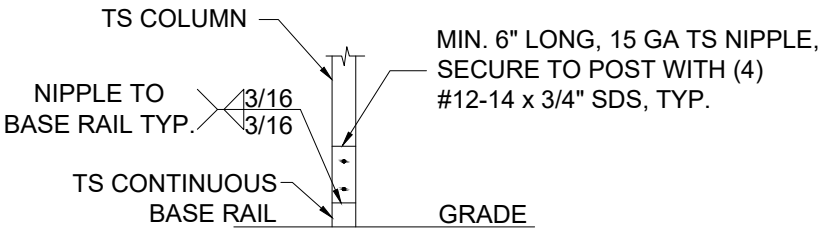




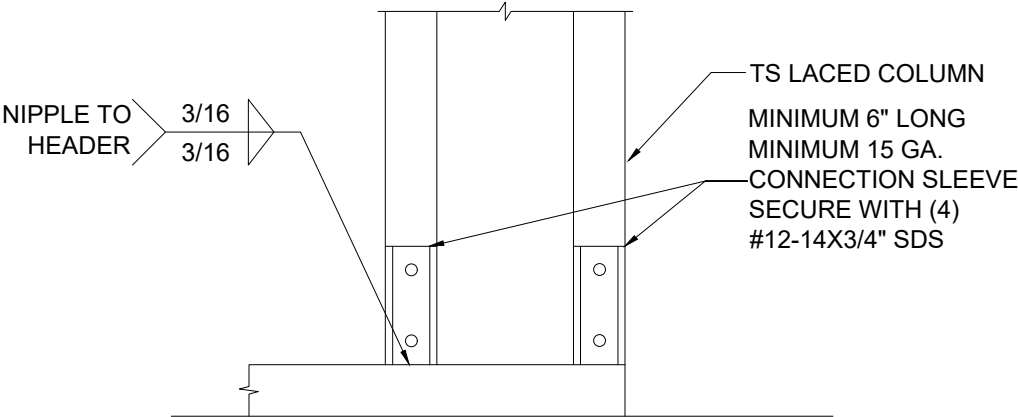
9 DOUBLE HEADER TO POST CONNECTION
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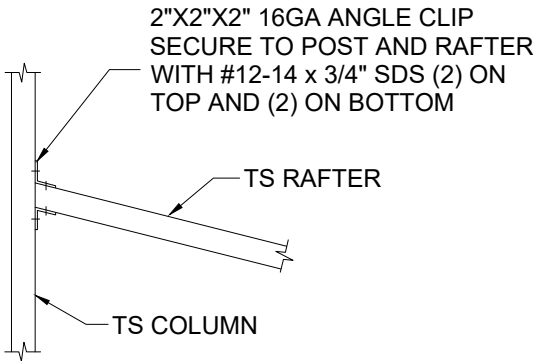
10 POST/DOUBLE HEADER CONNECTION
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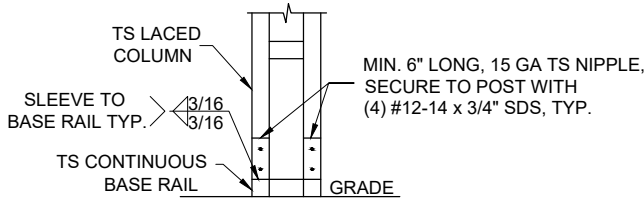
11 LEAN-TO POST CONNECTION
SCALE: NTS



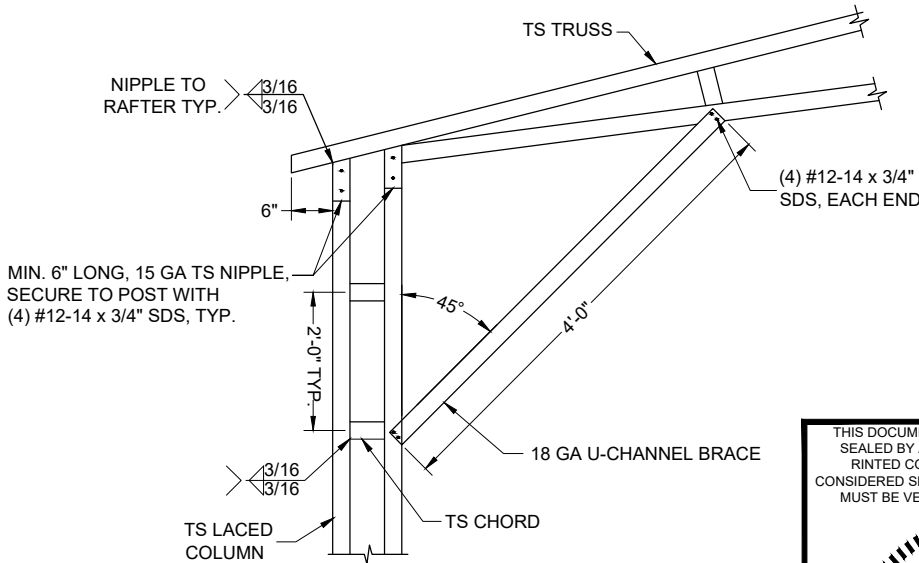
12 POST/BASE RAIL CONNECTION
SCALE: NTS



13 LEAN TO RAFTER/COLUMN CONNECTION
RAFTER SPANLESS THAN 12'-0"
SCALE: NTS



14 POST/BASE RAIL CONNECTION
SCALE: NTS

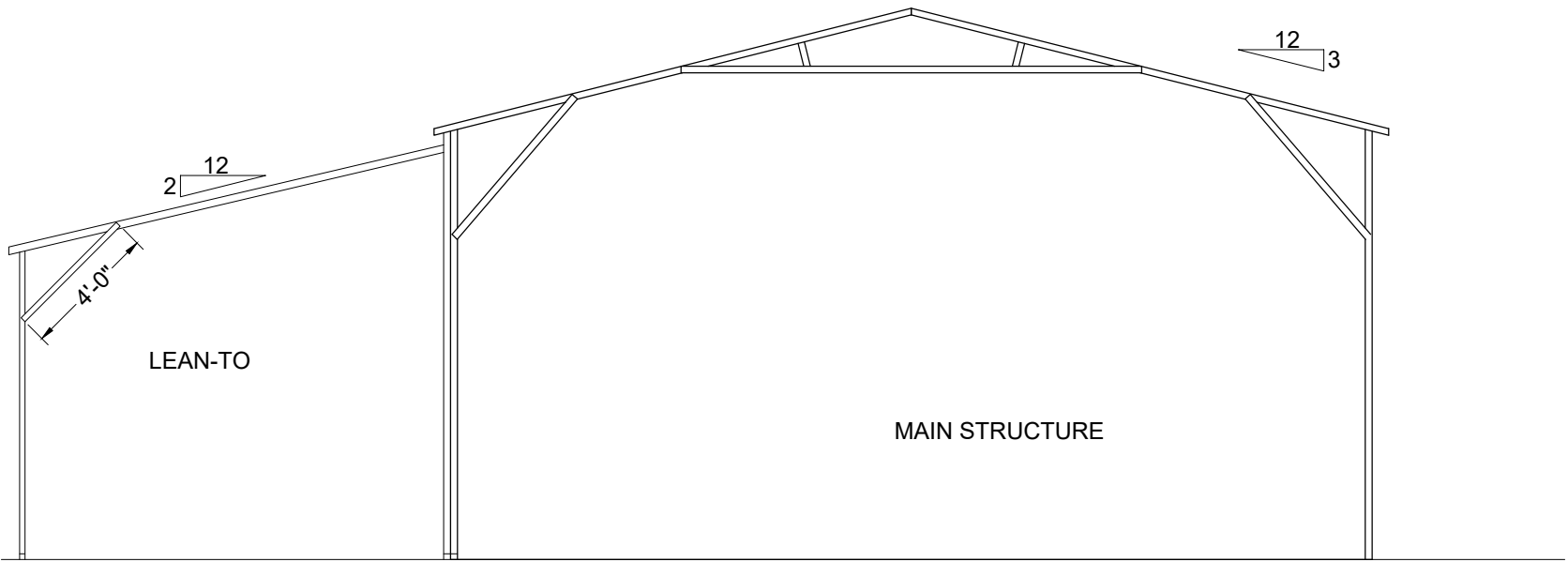


15 BOX EAVE RAFTER/CORNER POST
CONNECTION 30'(MAX.)W x 20'H
SCALE: NTS

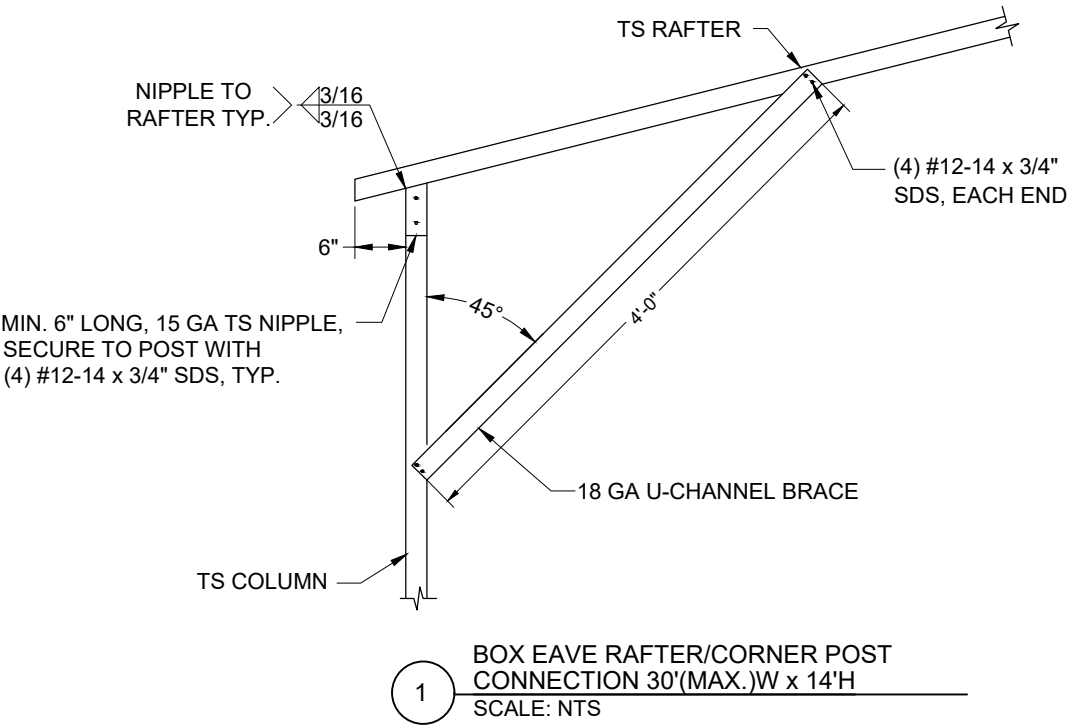
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TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION
SCALE: NTS



BOX EAVE RAFTER/CORNER POST
CONNECTION 30'(MAX.)W x 14'H
SCALE: NTS

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