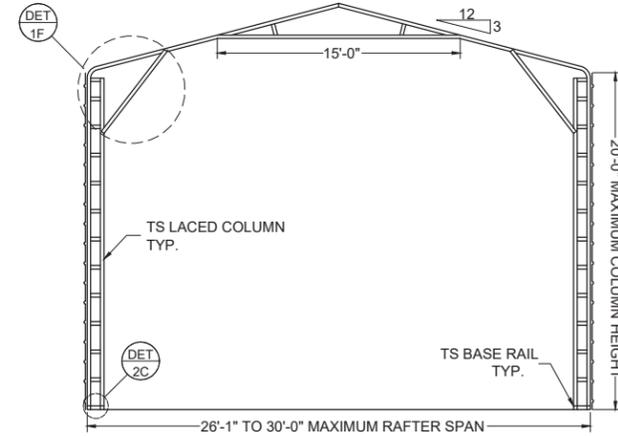
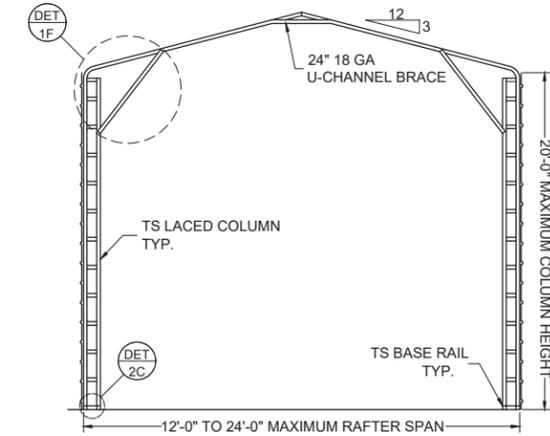
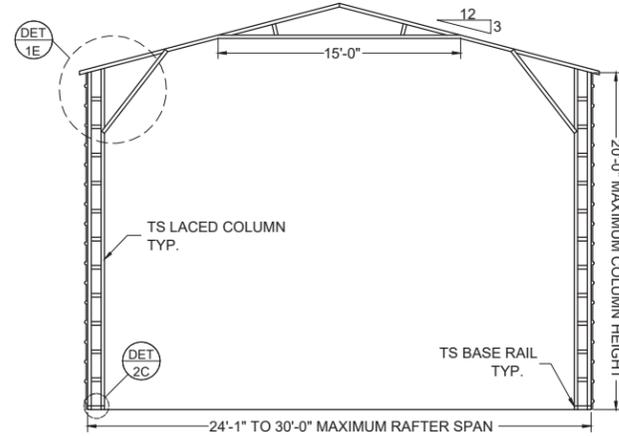
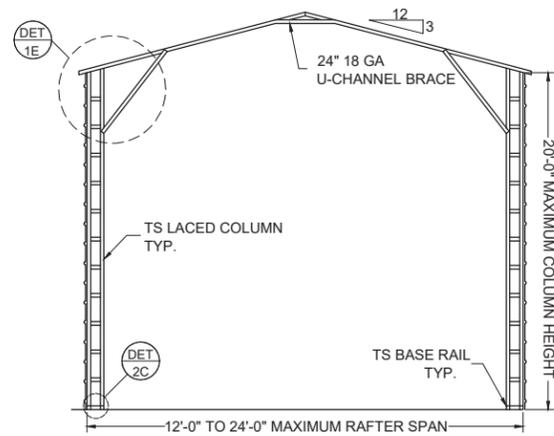
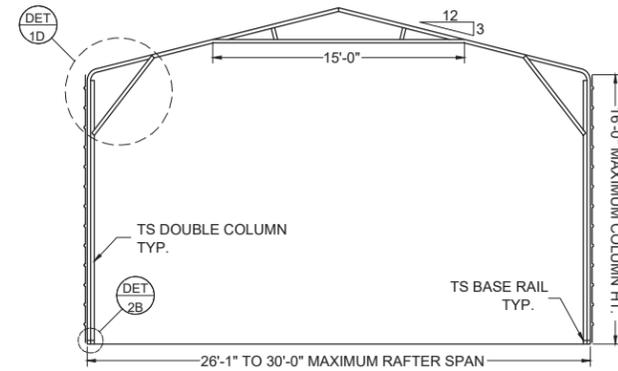
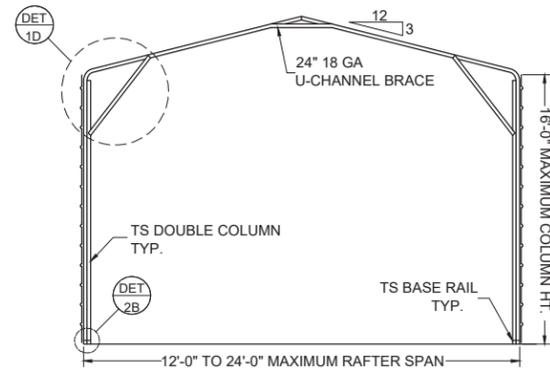
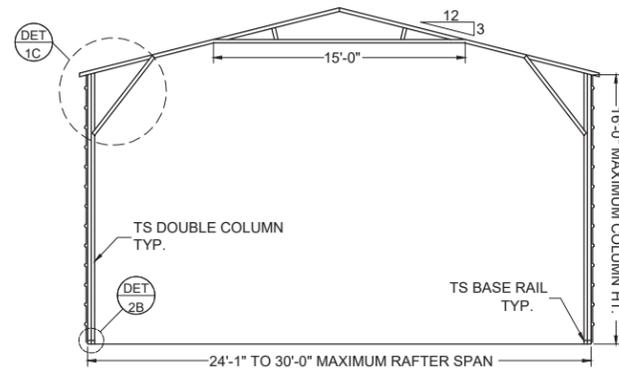
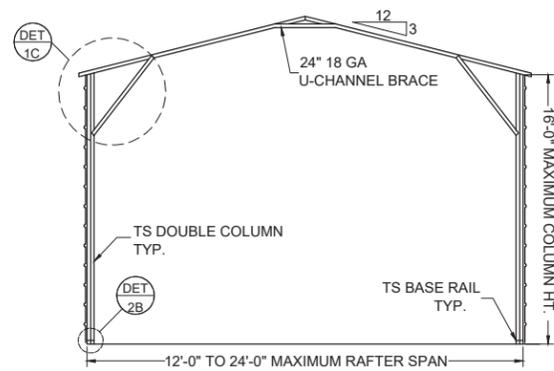
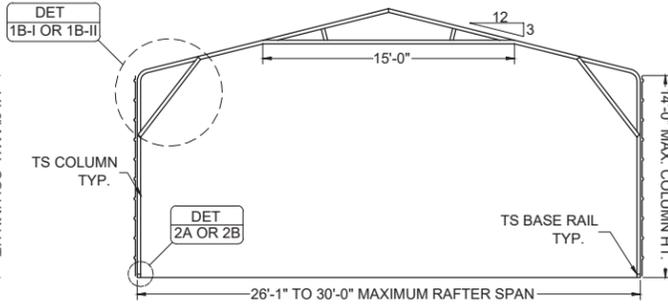
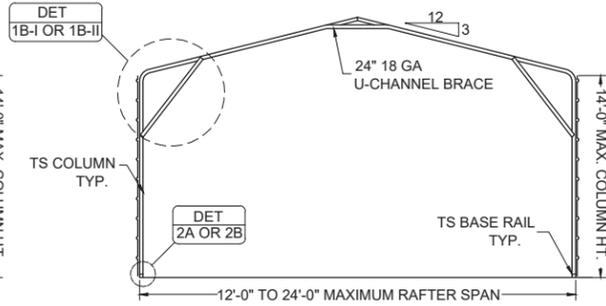
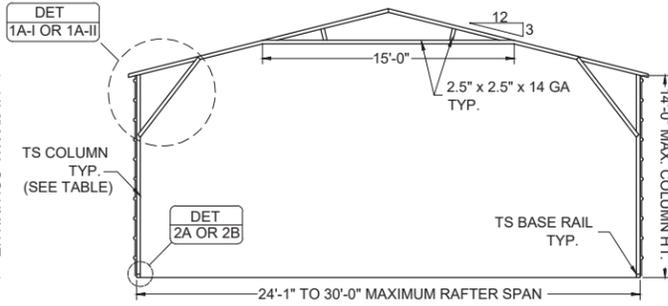
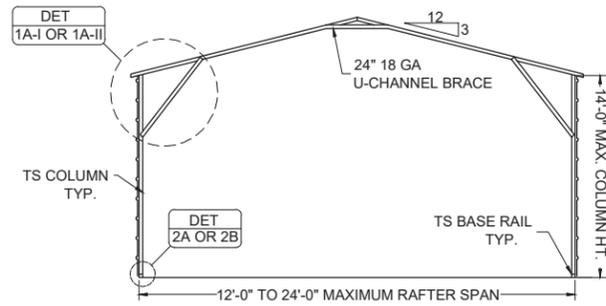


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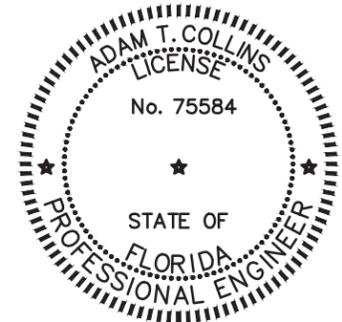
BOX EAVE FRAME

SCALE: NTS

BOW EAVE FRAME

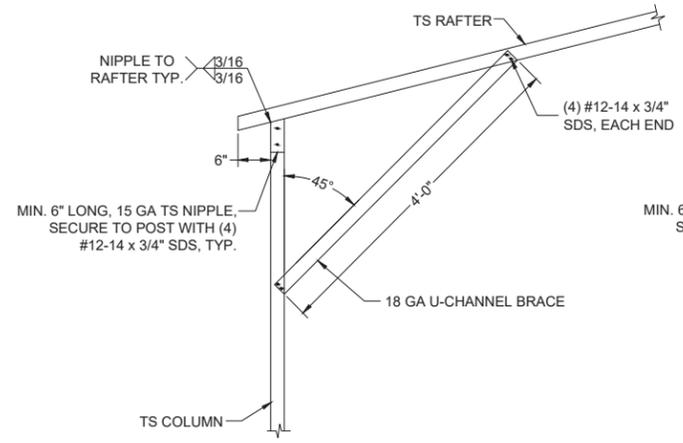
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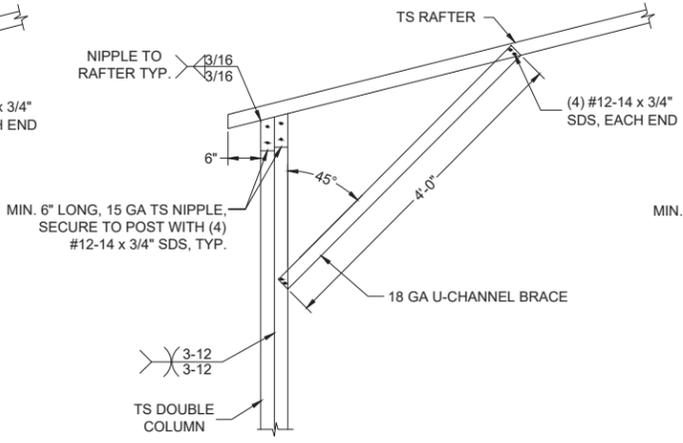


NO.	REVISIONS	DATE	DATE	2025.10.06	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
							ADAM COLLINS ENGINEERING INC.	ELITE METAL MANUFACTURING 10121 88TH TRACE	BOX-BOW EAVE FRAME RAFTER ENCLOSED BUILDING	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-2
							CA# 31728 - P: 386.320.7400 - WWW.COLLINSENG.COM				SCALE AS-SHOWN

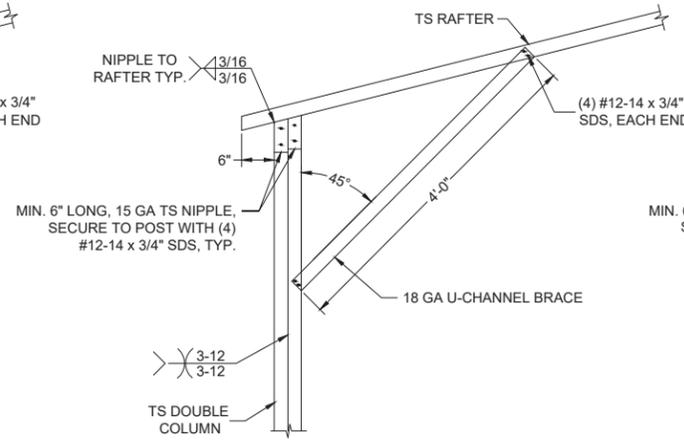
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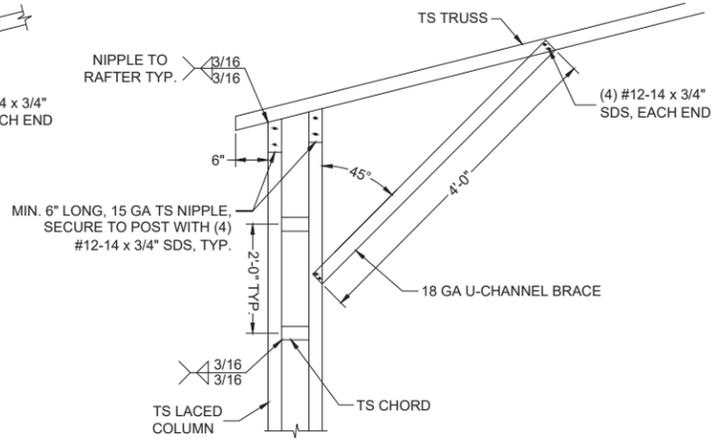
1A-I BOX EAVE RAFTER/CORNER POST CONNECTION 30'(MAX.)W x 14'H
SCALE: NTS



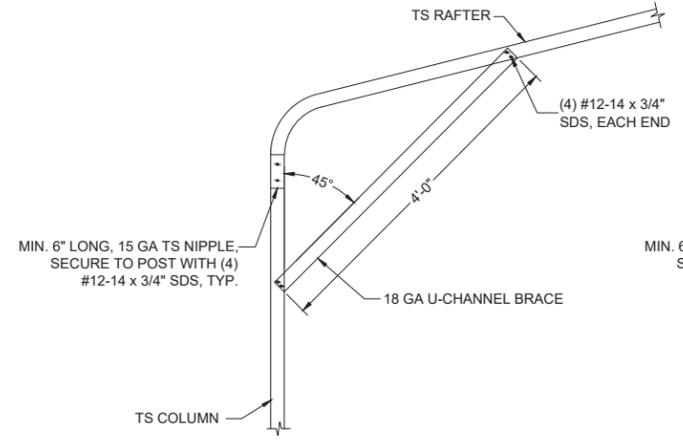
1A-II BOX EAVE RAFTER/CORNER POST CONNECTION 30'(MAX.)W x 14'H
SCALE: NTS



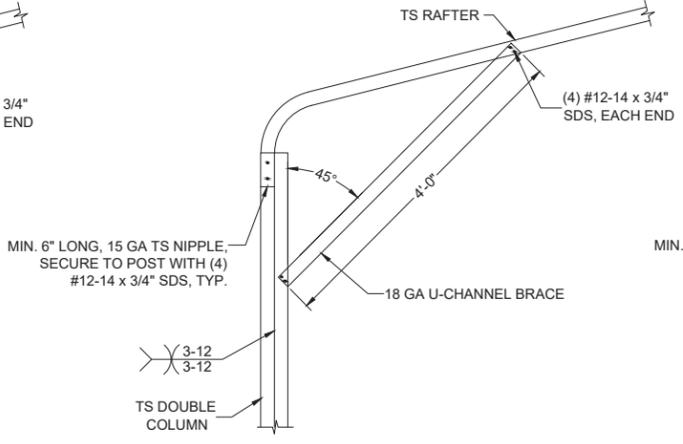
1C BOX EAVE RAFTER/CORNER POST CONNECTION 30'(MAX.)W x 16'H
SCALE: NTS



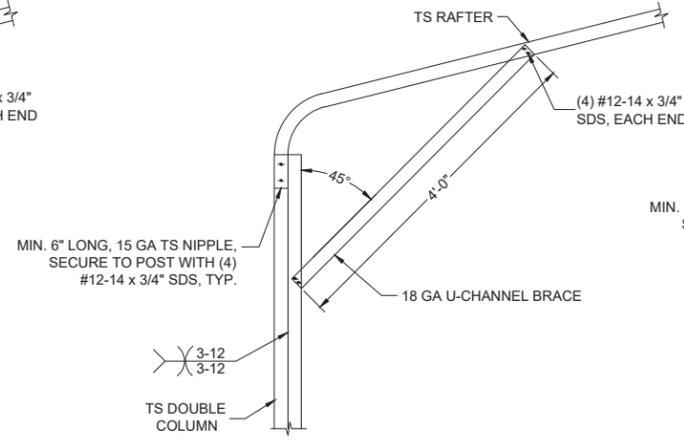
1E BOX EAVE RAFTER/CORNER POST CONNECTION 30'(MAX.)W x 20'H
SCALE: NTS



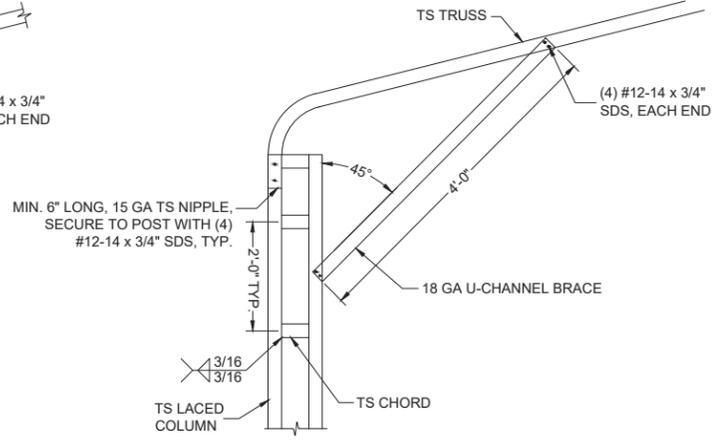
1B-I BOW EAVE RAFTER/CORNER POST CONNECTION 30'(MAX.)W x 14'H
SCALE: NTS



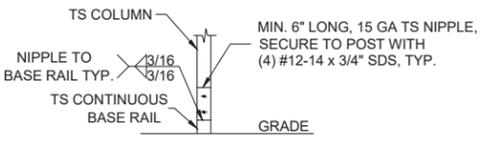
1B-II BOW EAVE RAFTER/CORNER POST CONNECTION 30'(MAX.)W x 14'H
SCALE: NTS



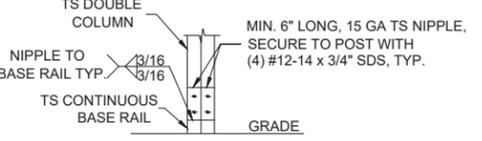
1D BOW EAVE RAFTER/CORNER POST CONNECTION 30'(MAX.)W x 16'H
SCALE: NTS



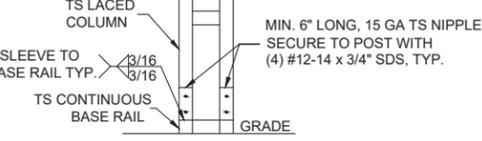
1F BOW EAVE RAFTER/CORNER POST CONNECTION 30'(MAX.)W x 20'H
SCALE: NTS



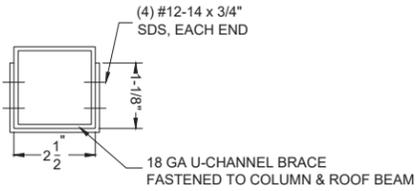
2A POST/BASE RAIL CONNECTION
SCALE: NTS



2B POST/BASE RAIL CONNECTION
SCALE: NTS

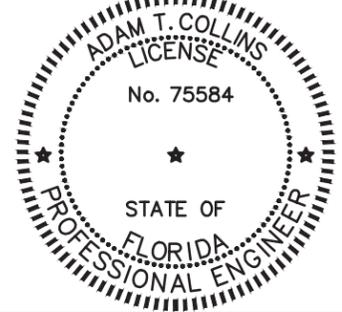


2C POST/BASE RAIL CONNECTION
SCALE: NTS



BRACE SECTION
SCALE: NTS

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NO.	REVISIONS	DATE	DATE	2025.10.06	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
							ADAM COLLINS ENGINEERING INC.	ELITE METAL MANUFACTURING 10121 88TH TRACE	CONNECTION DETAILS (1 OF 4)	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-3
											SCALE AS-SHOWN

GENERAL NOTES

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

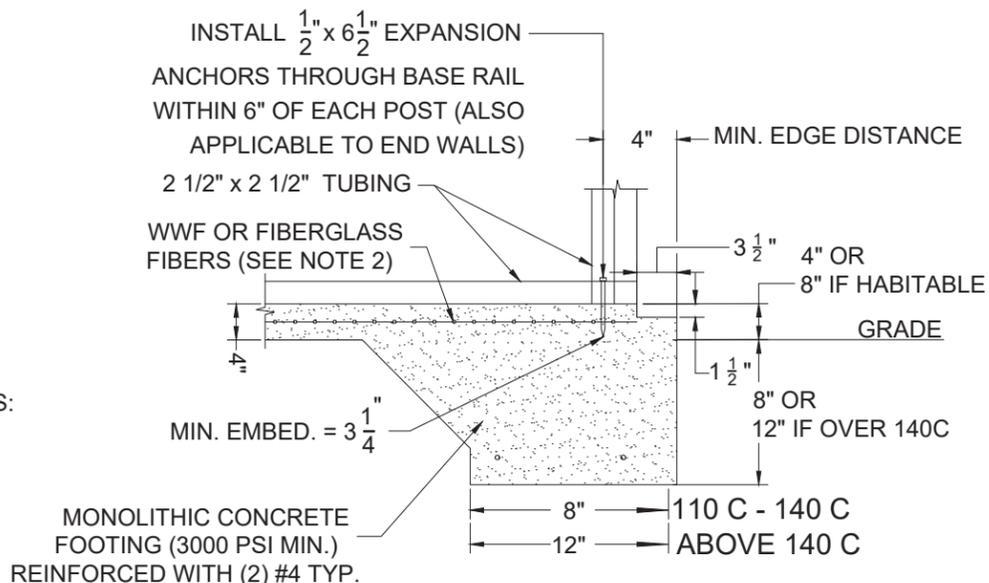
REINFORCING STEEL

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.

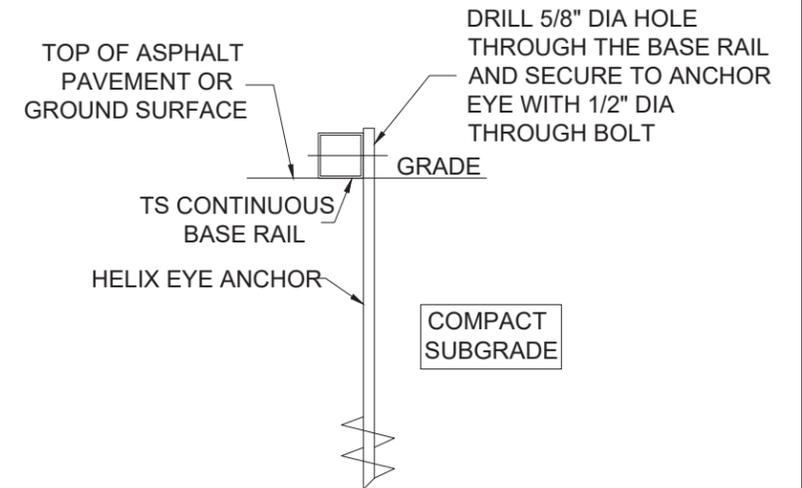
HELIX ANCHOR NOTES

1. USE MINIMUM (2) 4" HELICES WITH 30" EMBEDMENT FOR THE FOLLOWING SOILS:
 - 1.1. VERY DENSE AND/OR CEMENTED SANDS
 - 1.2. COARSE GRAVEL AND COBBLES
 - 1.3. CALICHE
 - 1.4. PRELOADED SILTS AND CLAYS
 - 1.5. CORALS
 - 1.6. MEDIUM DENSE COARSE SANDS
 - 1.7. SANDY GRAVEL
 - 1.8. VERY STIFF SILTS AND CLAYS
2. USE MINIMUM (2) 6" HELICES WITH MINIMUM 48" EMBEDMENT FOR
 - 2.1. LOOSE TO MEDIUM DENSE SANDS
 - 2.2. FIRM TO STIFF CLAYS AND SILTS
 - 2.3. ALLUVIAL FILL
3. USE MINIMUM (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT.
 - 3.1. FOR VERY LOOSE TO MEDIUM DENSE SANDS
 - 3.2. FIRM TO STIFFER CLAYS AND SILTS
 - 3.3. ALLUVIAL FILL,

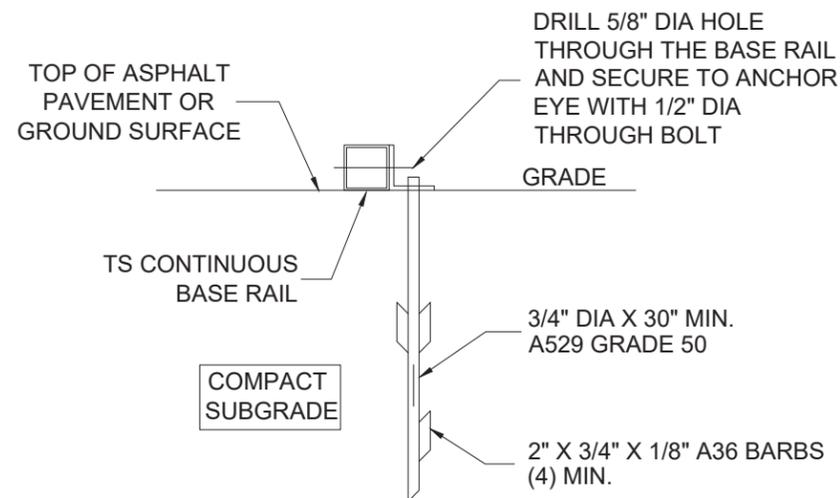
MONOLITHIC FOOTER SIZE	
110 C - 140 C	8" x 12" - (2) #4
ABOVE 140 C	12" x 16" - (2) #4



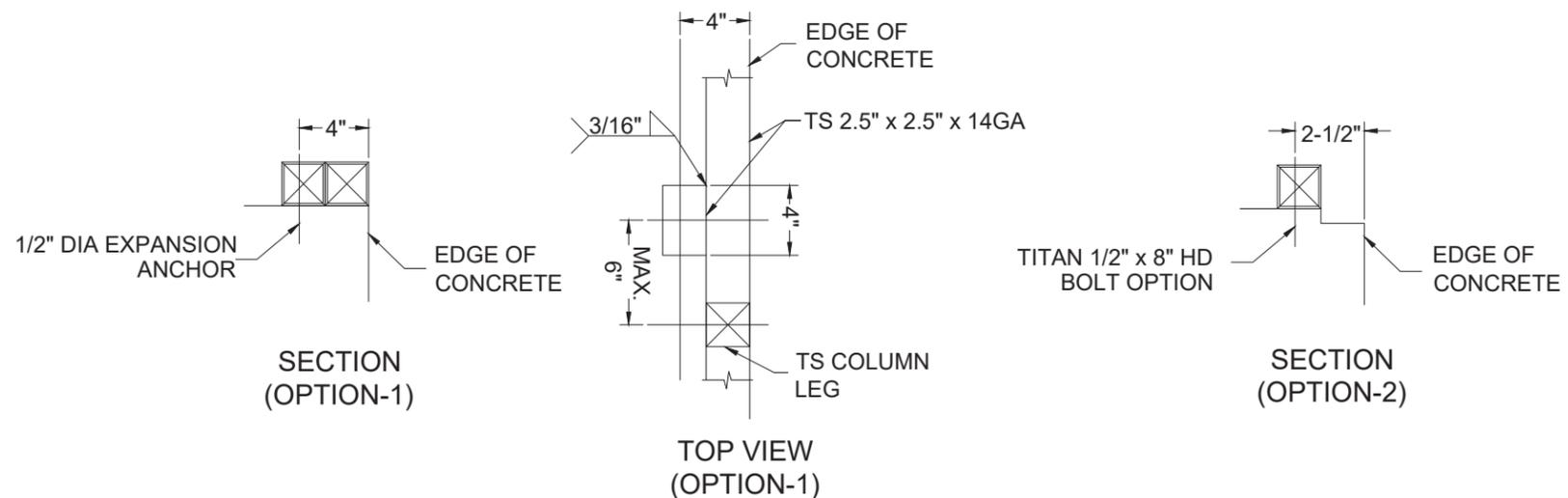
3A
SCALE: NTS



3B
SCALE: NTS

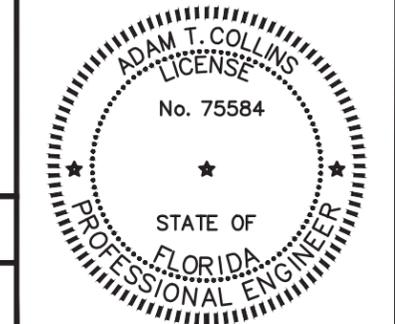


3C
SCALE: NTS



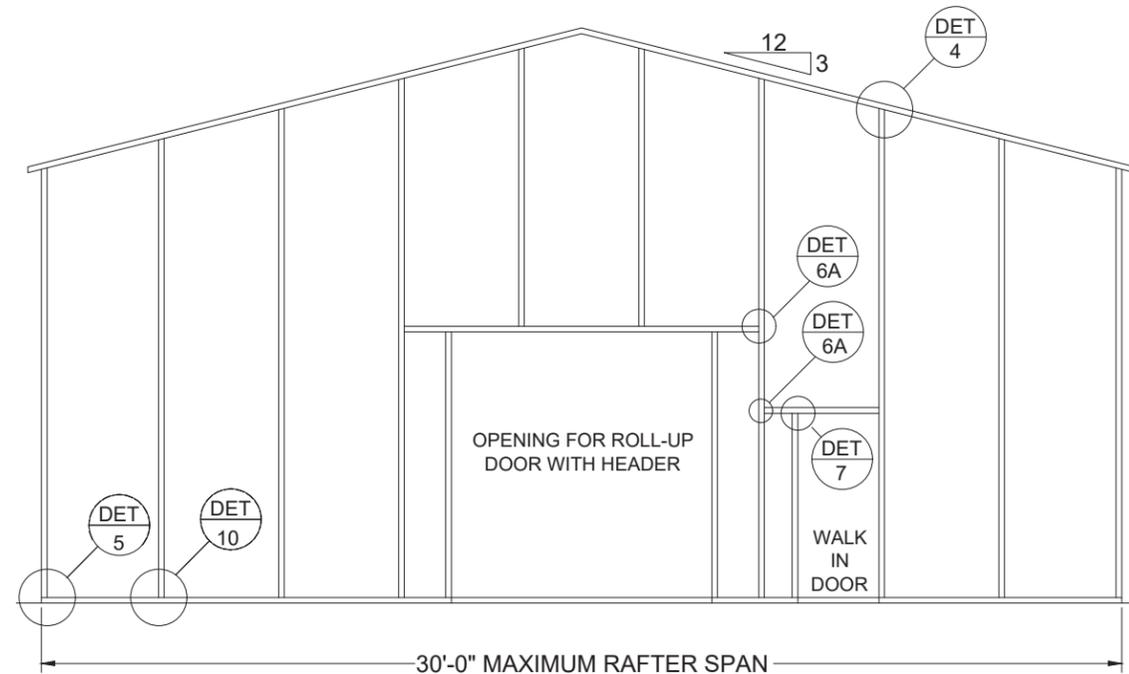
TYPICAL ANCHOR DETAIL WHEN BASE RAIL IS NEAR EDGE OF CONCRETE
SCALE: NTS

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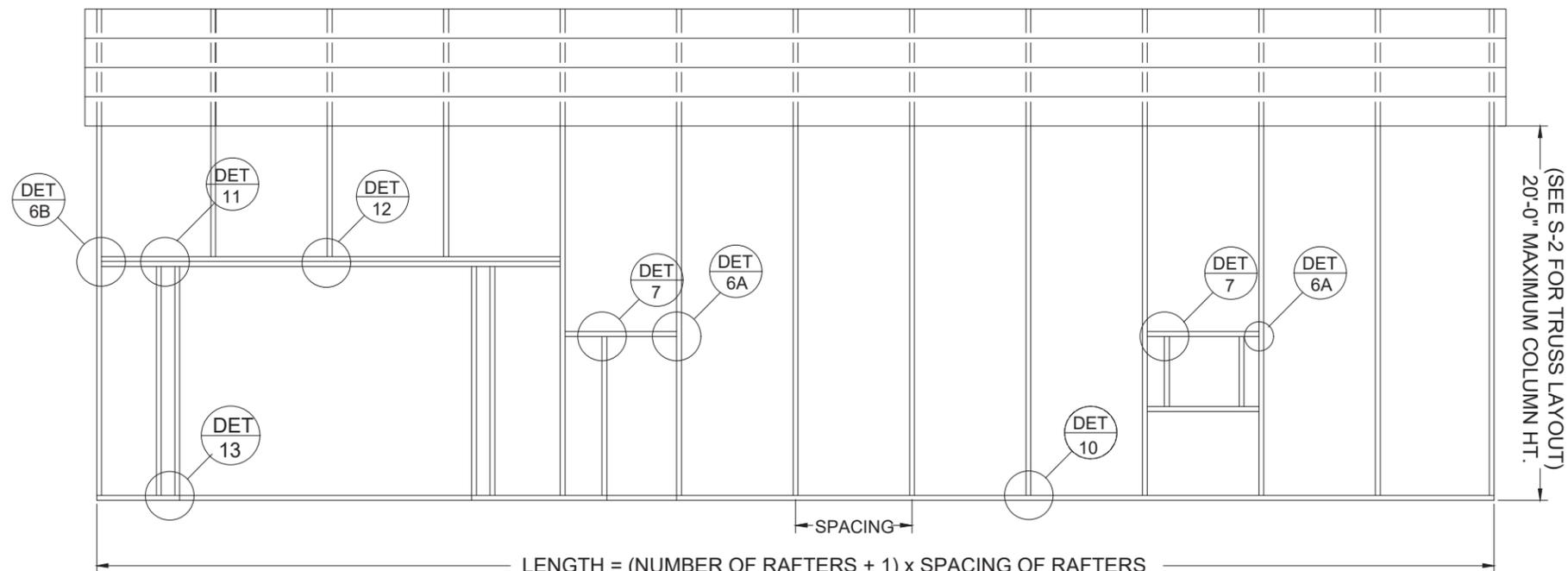
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							ADAM COLLINS ENGINEERING INC.	ELITE METAL MANUFACTURING 10121 88TH TRACE	BASE RAIL AND ANCHORAGE DETAILS	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-4
											SCALE AS-SHOWN



SPACING = 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 140 MPH
 SPACING = 4'-0" FOR WIND SPEEDS BETWEEN 140 MPH AND 180 MPH

TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION
 SCALE: NTS



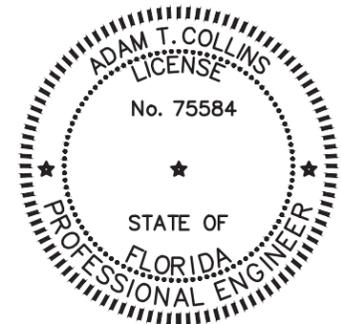
SPACING = 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 140 MPH
 SPACING = 4'-0" FOR WIND SPEEDS BETWEEN 140 MPH AND 180 MPH

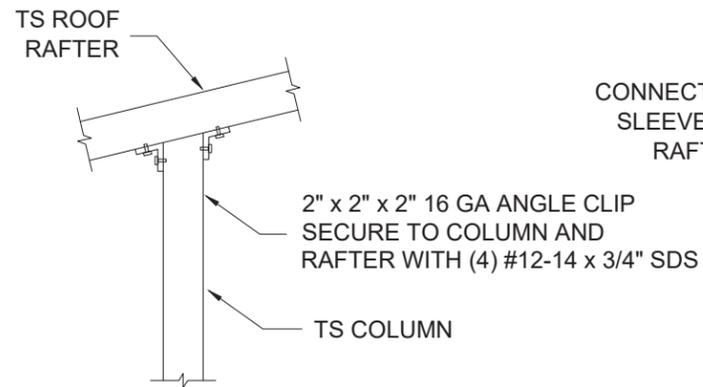
TYPICAL BOX EAVE RAFTER SIDE FRAMING SECTION
 SCALE: NTS

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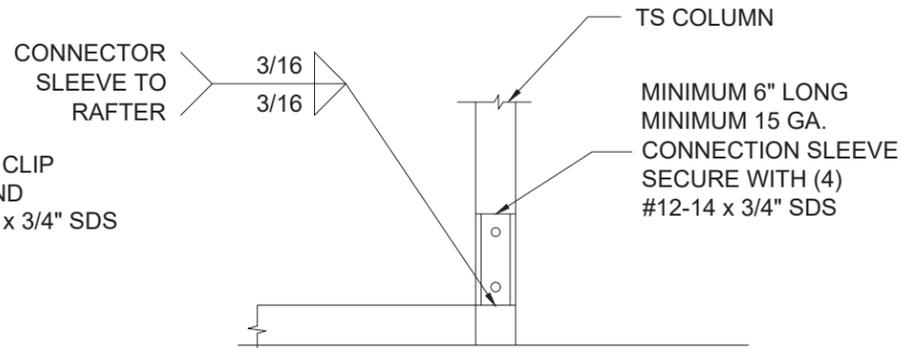
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			DRAWN	SM			ADAM COLLINS ENGINEERING INC. CA# 31728 - P: 386.320.7400 - WWW.COLLINSENG.COM	ELITE METAL MANUFACTURING 10121 88TH TRACE	BOX EAVE RAFTER END WALL, SIDE WALL AND OPENING FRAMING	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-5
			DESIGNED	DMC		SCALE					
			CHECKED	ATC		AS-SHOWN					
			JOB No.	22047							

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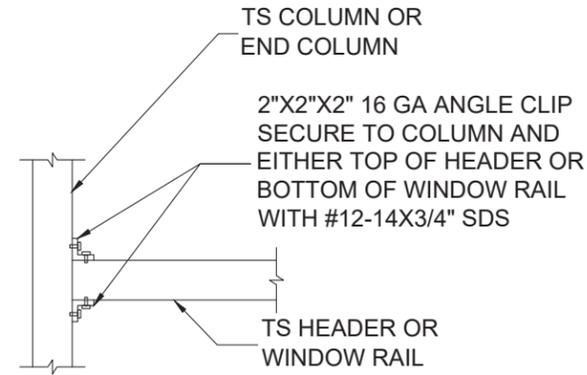




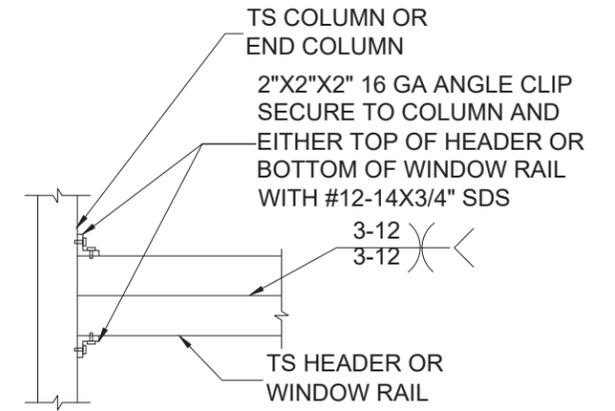
4 POST/RAFTER CONNECTION
SCALE: NTS



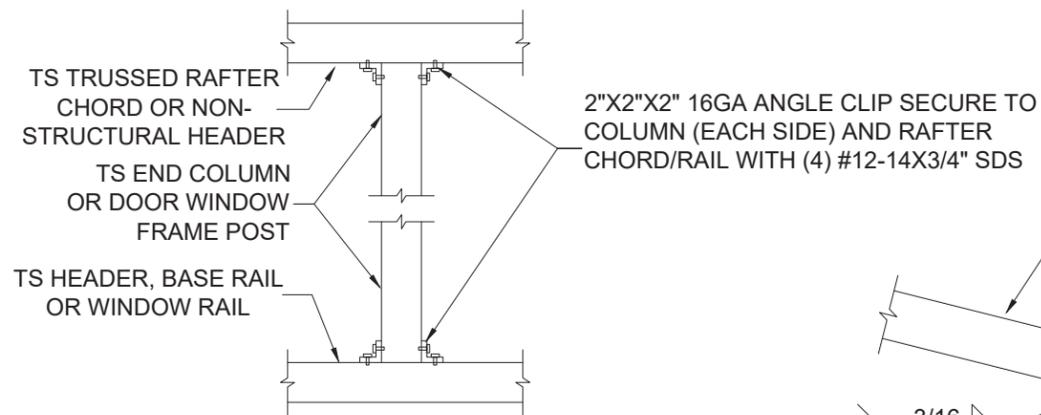
5 POST/BASE RAIL CONNECTION
SCALE: NTS



6A HEADER TO POST CONNECTION
SCALE: NTS

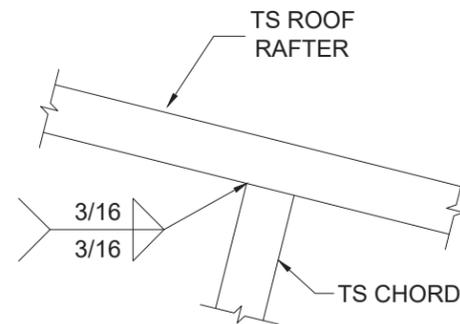


6B DOUBLE HEADER TO POST CONNECTION
SCALE: NTS

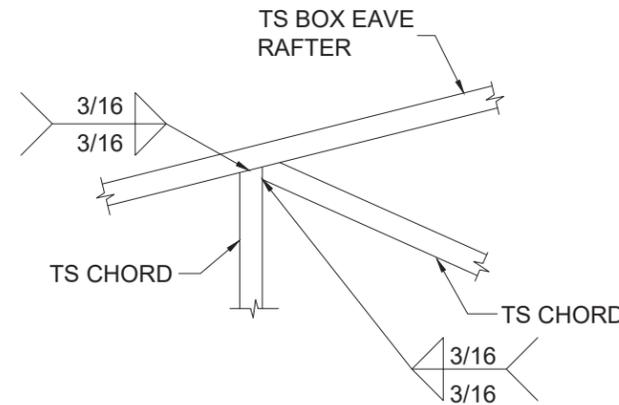


7 POST TO HEADER, BASE RAIL OR WINDOW RAIL CONNECTION
SCALE: NTS

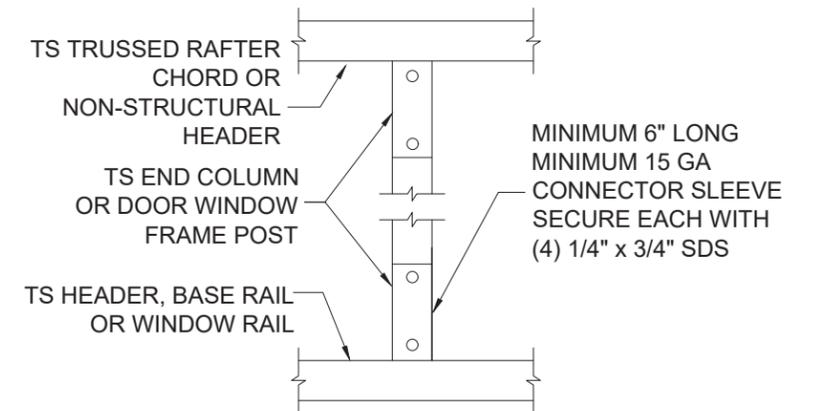
NOTE AT ROLL-UP DOOR OPENINGS, COLUMN SHOULD BE FLUSH WITH RAIL END CLIP SIDE OPPOSITE THE OPENING



8 RAFTER TO CHORD CONNECTION
SCALE: NTS



9 TRUSS POST AND CHORD TO RAFTER CONNECTION
SCALE: NTS



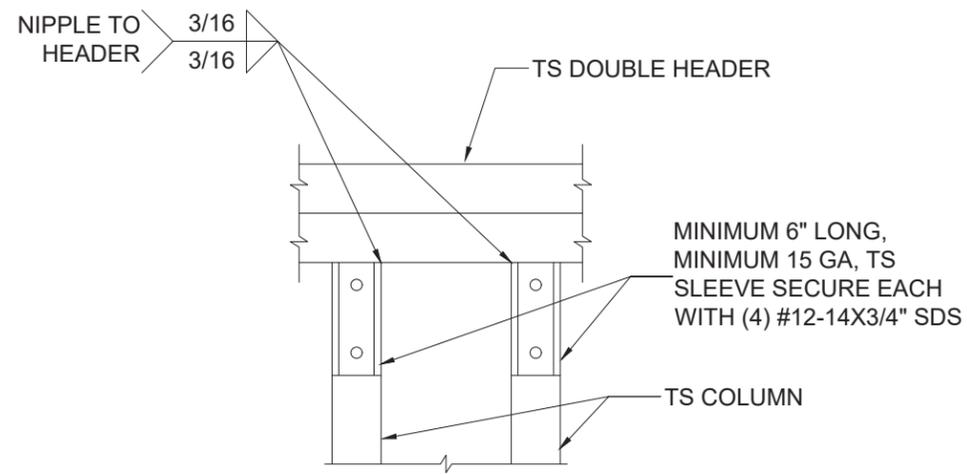
10 POST TO HEADER, BASE RAIL CONNECTION
SCALE: NTS

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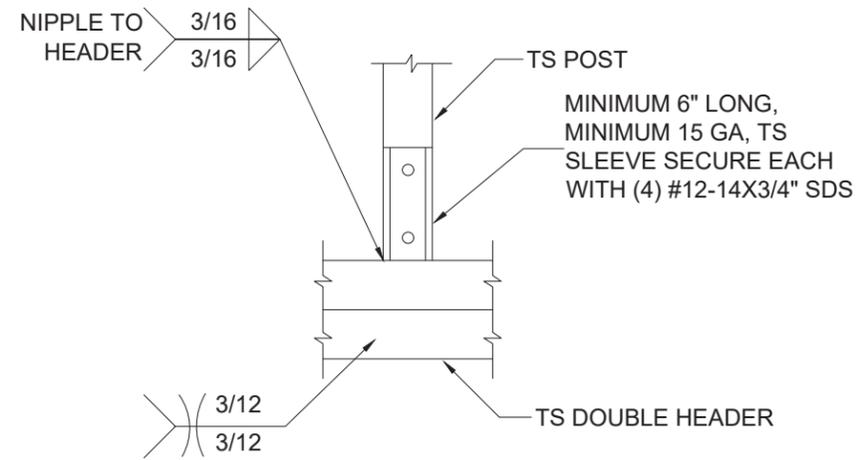
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			DESIGNED	DMC		SCALE					
			CHECKED	ATC		AS-SHOWN					
			JOB No.	22047							

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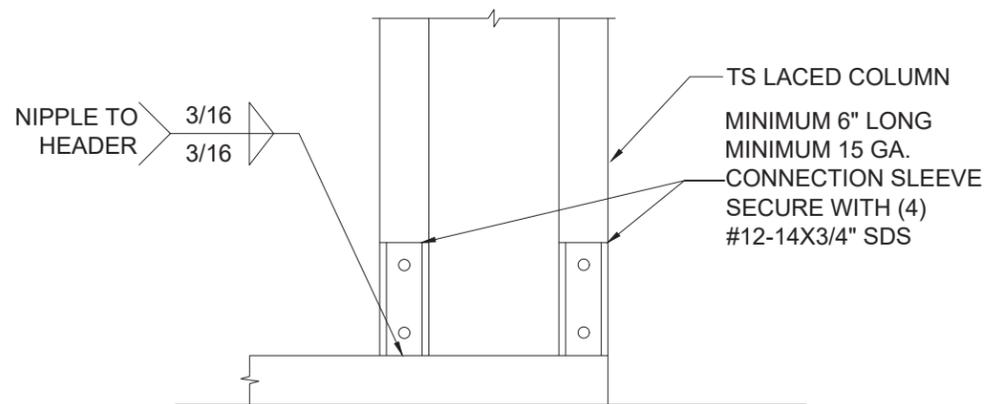
ADAM T. COLLINS
LICENSE
No. 75584
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



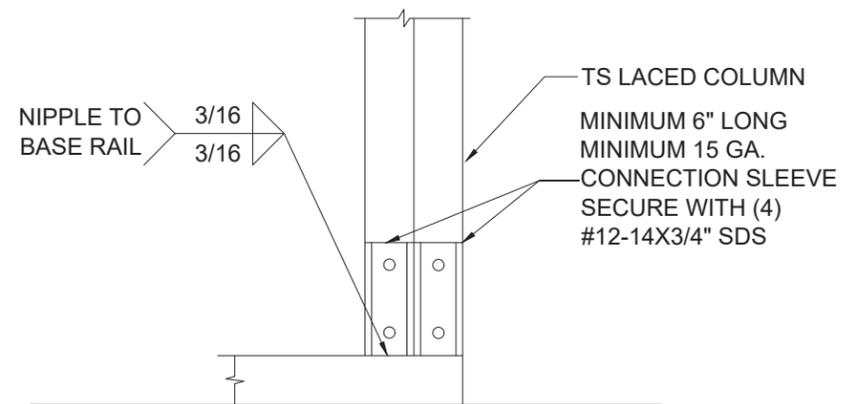
11 DOUBLE HEADER TO POST CONNECTION
SCALE: NTS



12 POST/DOUBLE HEADER CONNECTION
SCALE: NTS



13A POST/BASE RAIL CONNECTION
SCALE: NTS



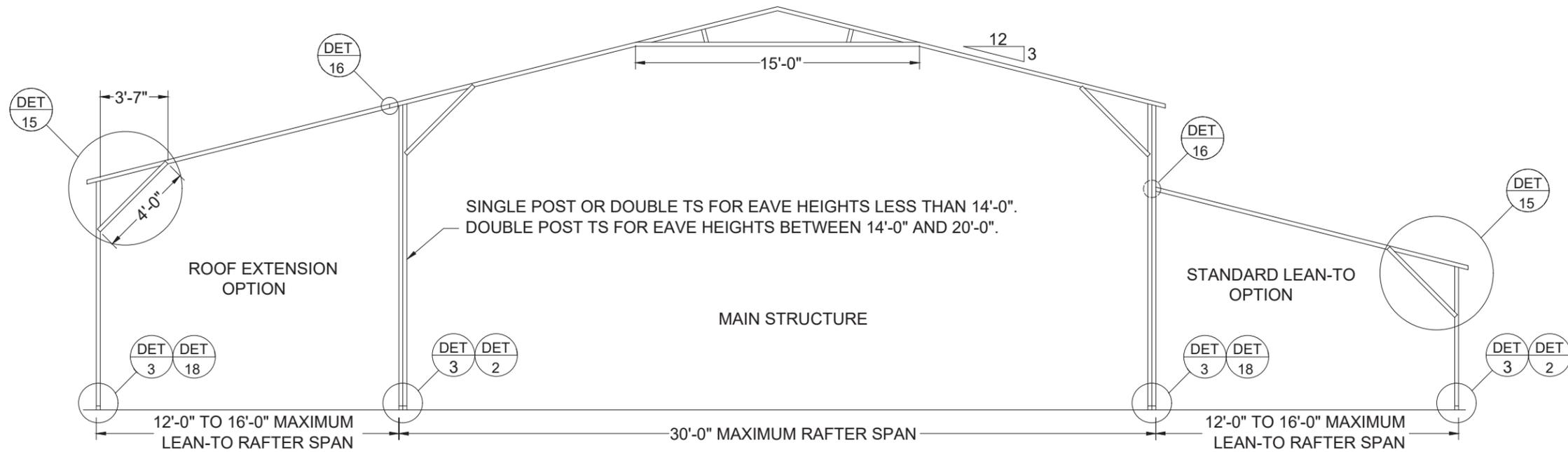
13B POST/BASE RAIL CONNECTION
SCALE: NTS

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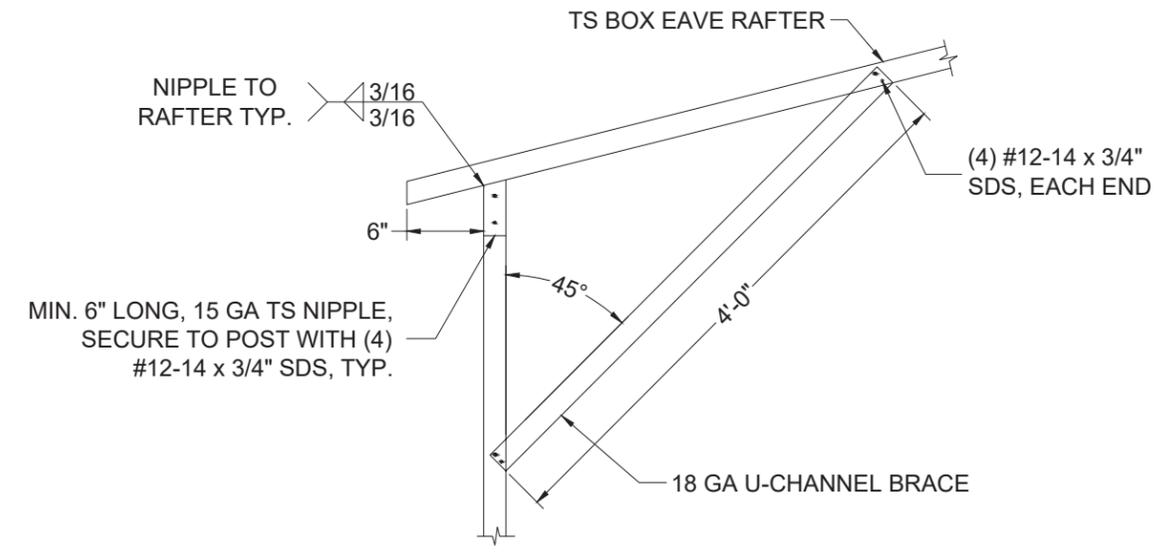
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			DESIGNED	DMC		SCALE					
			CHECKED	ATC		AS-SHOWN					
			JOB No.	22047							

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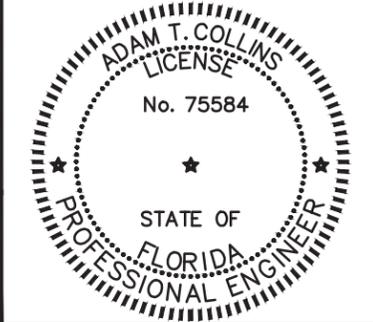


TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION
SCALE: NTS



LEAN-TO RAFTER/CORNER POST CONNECTION
SCALE: NTS

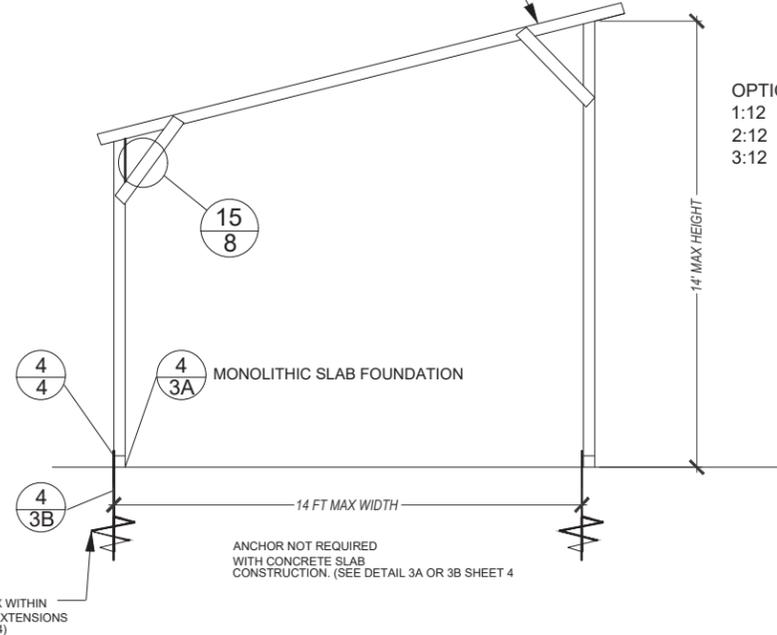
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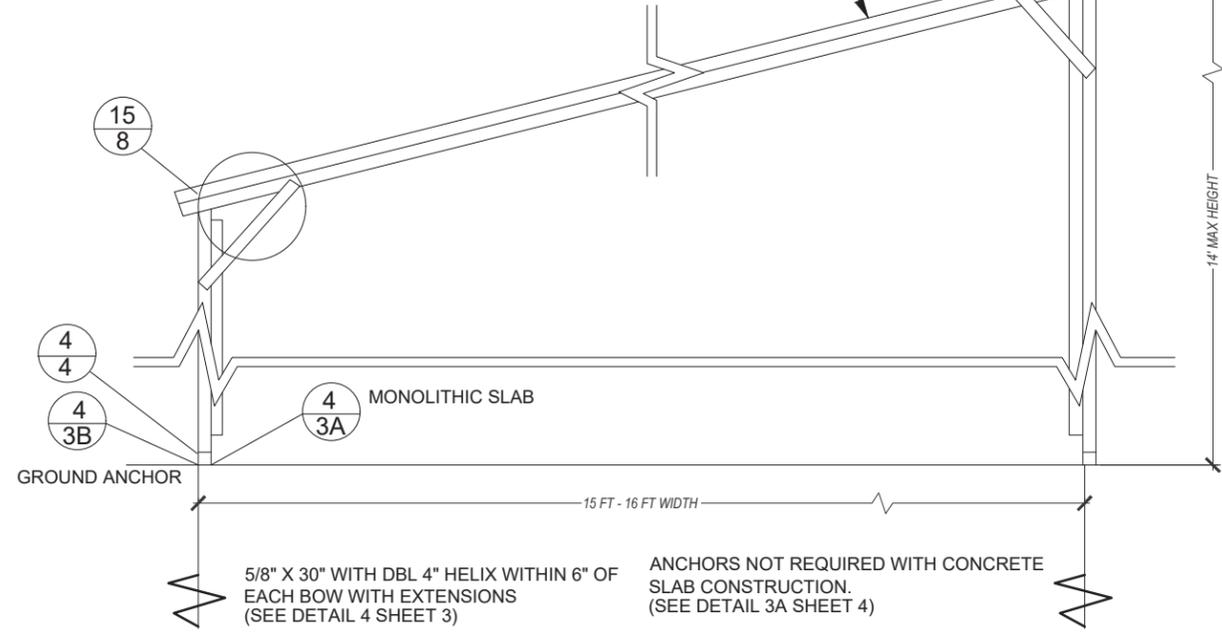
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			DRAWN	SM			ADAM COLLINS ENGINEERING INC. CA# 31728 - P: 386.320.7400 - WWW.COLLINSENG.COM	ELITE METAL MANUFACTURING 10121 88TH TRACE	BOX EAVE RAFTER LEAN TO OPTIONS	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-8
			DESIGNED	DMC		SCALE					
			CHECKED	ATC		AS-SHOWN					
			JOB No.	22047							

26 OR 29 GA. METAL ROOF PANELS
FASTENED TO BOW FRAME WITH 1/4" X 3/4" SDF'S
WITH CONTROL SEAL WASHER.
(SEE TABLE 1 FOR FASTENER SPACING)



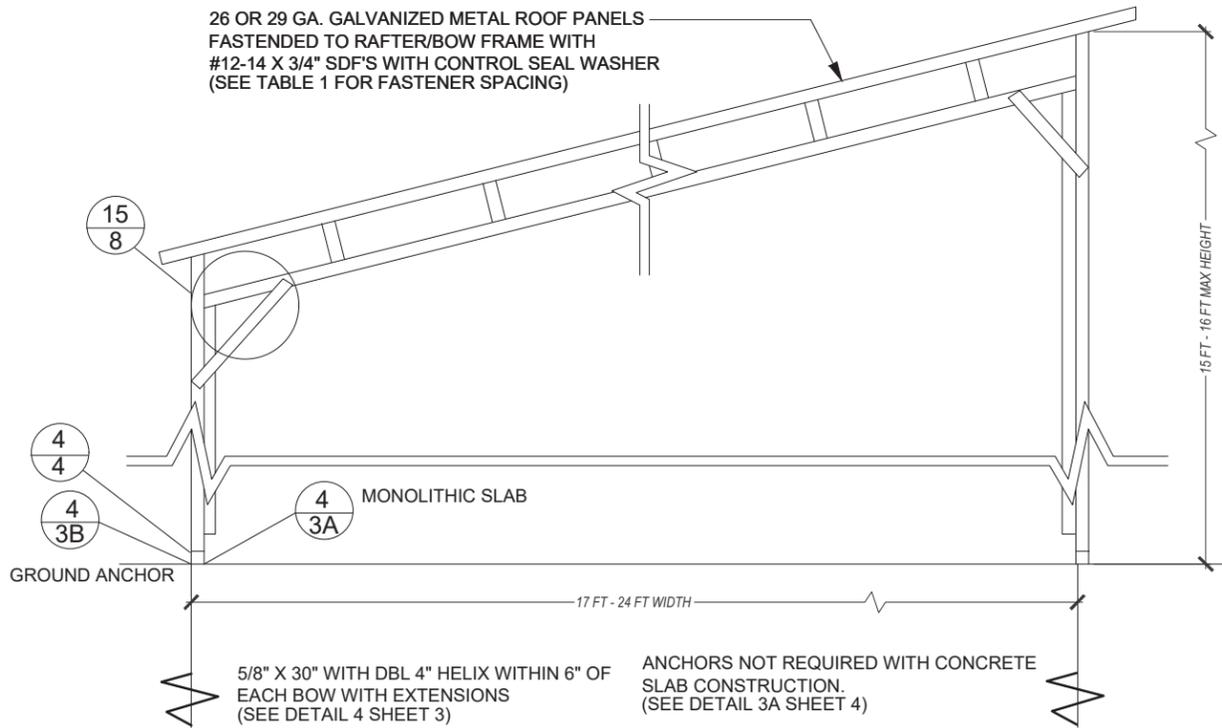
14 FT MAX WIDTH FREESTANDING LEAN-TO
SCALE: NTS

26 OR 29 GA. GALVANIZED METAL ROOF PANELS
FASTENED TO RAFTER/BOW FRAME WITH
#12-14 X 3/4" SDF'S WITH CONTROL SEAL WASHER
(SEE TABLE 1 FOR FASTENER SPACING)



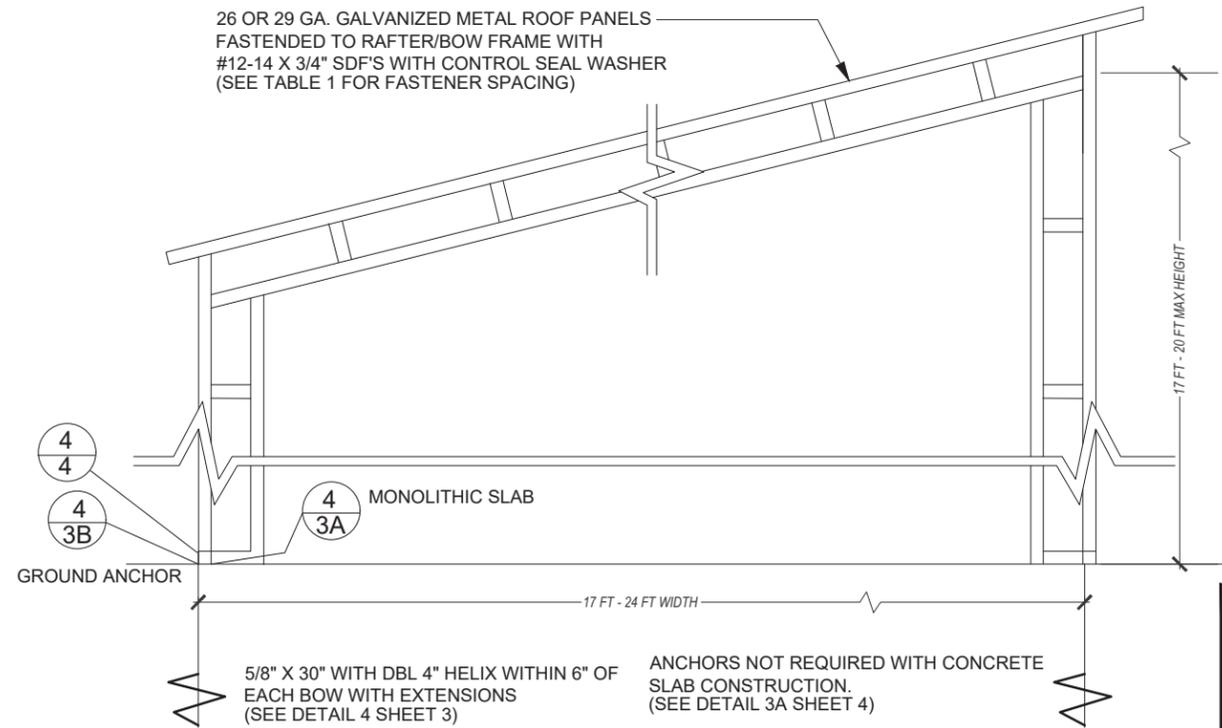
15 FT - 16 FT WIDTH FREESTANDING LEAN-TO LEAN-TO
SCALE: NTS

26 OR 29 GA. GALVANIZED METAL ROOF PANELS
FASTENED TO RAFTER/BOW FRAME WITH
#12-14 X 3/4" SDF'S WITH CONTROL SEAL WASHER
(SEE TABLE 1 FOR FASTENER SPACING)



17 FT - 24 FT WIDTH FREESTANDING LEAN-TO LEAN-TO
SCALE: NTS

26 OR 29 GA. GALVANIZED METAL ROOF PANELS
FASTENED TO RAFTER/BOW FRAME WITH
#12-14 X 3/4" SDF'S WITH CONTROL SEAL WASHER
(SEE TABLE 1 FOR FASTENER SPACING)



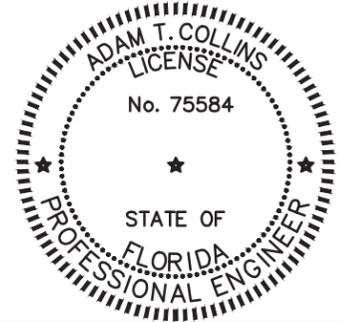
17 FT - 24 FT WIDTH FREESTANDING LEAN-TO LEAN-TO
SCALE: NTS

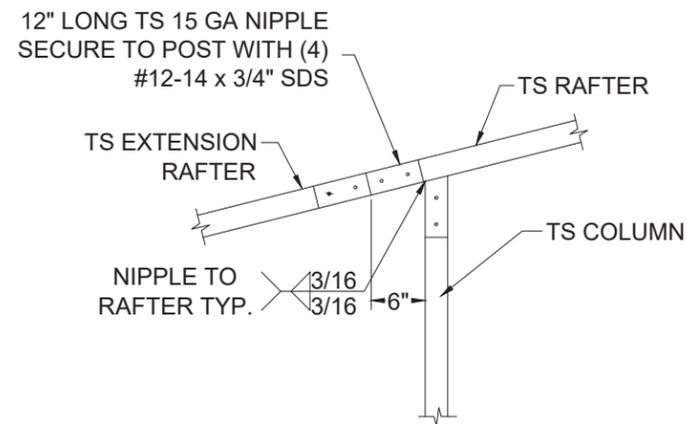
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NO.	REVISIONS	DATE	DATE	#	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
				2023			ADAM COLLINS	ELITE METAL MANUFACTURING	FREESTANDING BOX EAVE RAFTER LEAN-TO OPTIONS	Steve Mackey	S-9
				2023			SM	10121 88TH TRACE		102 NW Emporia Glen	SCALE
				2023			DMC			Lake City, FL 32055	AS-SHOWN
				2023			ATC				
				2023			JOB No. 22047				

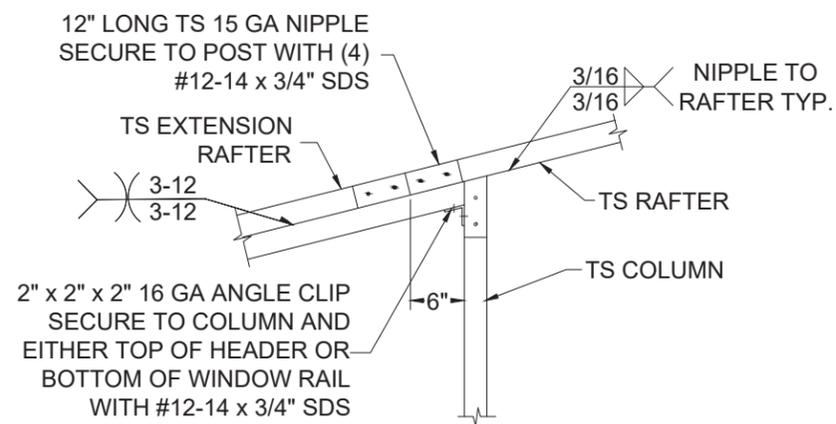


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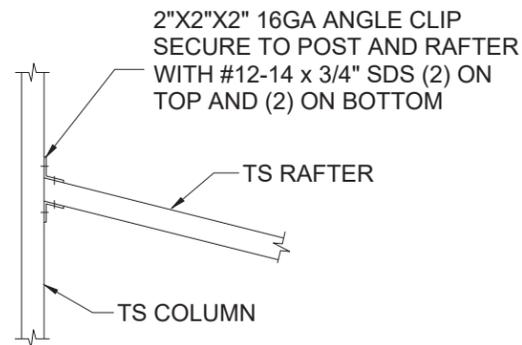




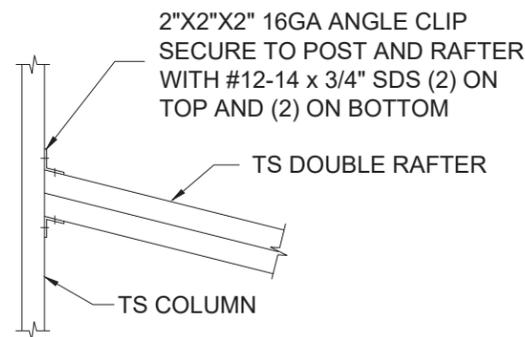
16A SIDE EXTENSION RAFTER/POST CONNECTION
 RAFTER SPAN LESS THAN 12'-0"
 SCALE: NTS



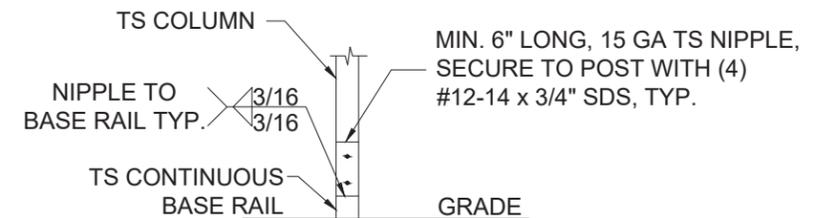
16B SIDE EXTENSION RAFTER/POST CONNECTION
 RAFTER SPAN BETWEEN 12'-0" AND 16'-0"
 SCALE: NTS



17A LEAN TO RAFTER/COLUMN CONNECTION
 RAFTER SPAN LESS THAN 12'-0"
 SCALE: NTS



17B LEAN TO RAFTER/COLUMN CONNECTION
 RAFTER SPAN BETWEEN 12'-0" AND 16'-0"
 SCALE: NTS



18 LEAN-TO POST CONNECTION
 SCALE: NTS

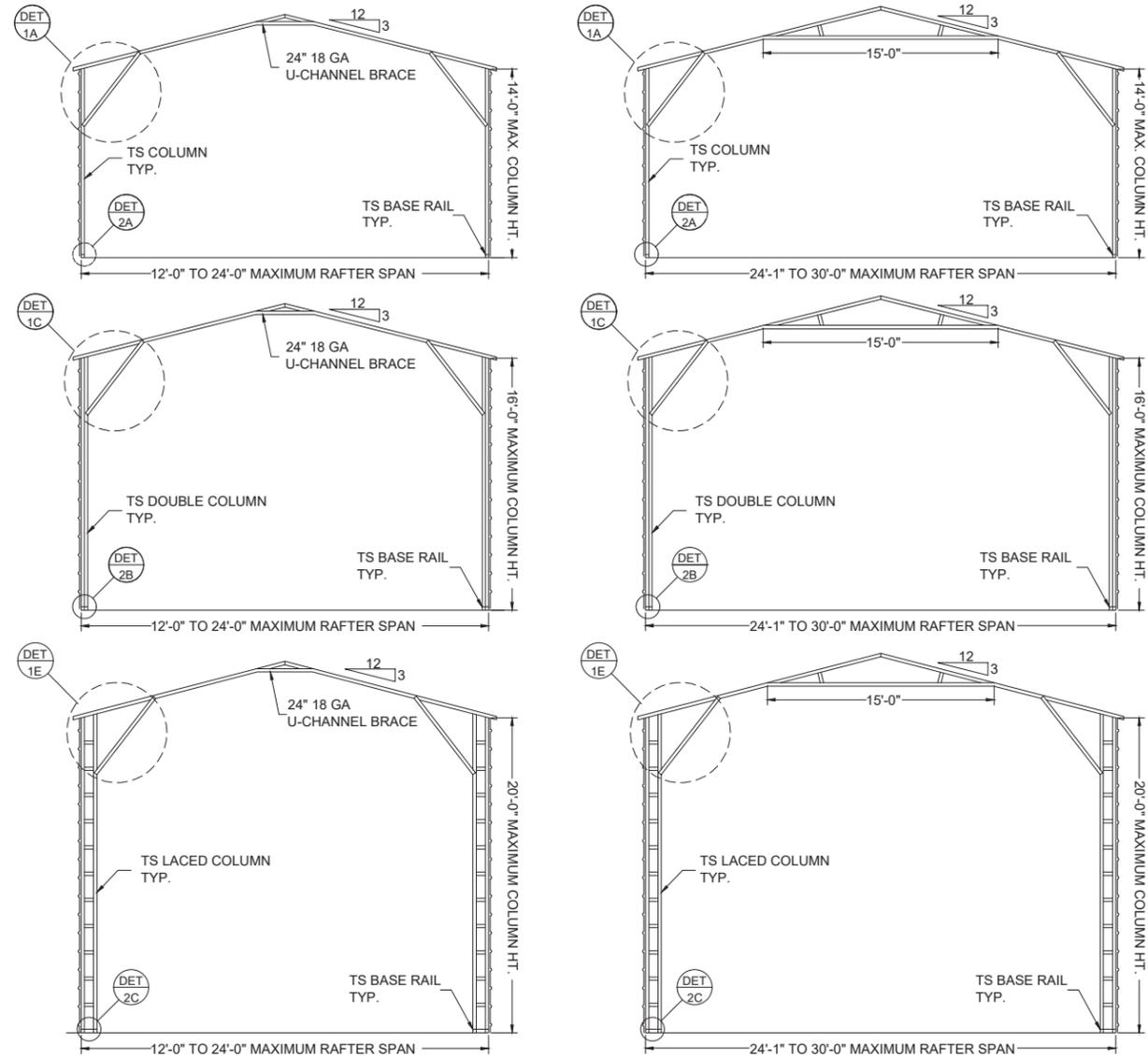
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NO.	REVISIONS	DATE	DATE	2025.10.06	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
			DRAWN	SM			ADAM COLLINS ENGINEERING INC. <small>CA# 31728 - P. 386.320.7400 - WWW.COLLINSENG.COM</small>	ELITE METAL MANUFACTURING 10121 88TH TRACE	CONNECTION DETAILS (4 OF 4)	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-10
			DESIGNED	DMC		SCALE					
			CHECKED	ATC		AS-SHOWN					
			JOB No.	22047							

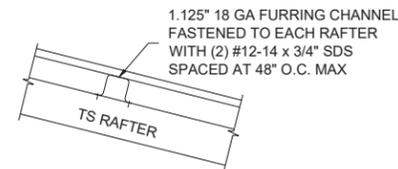
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ADAM T. COLLINS
 LICENSE
 No. 75584
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

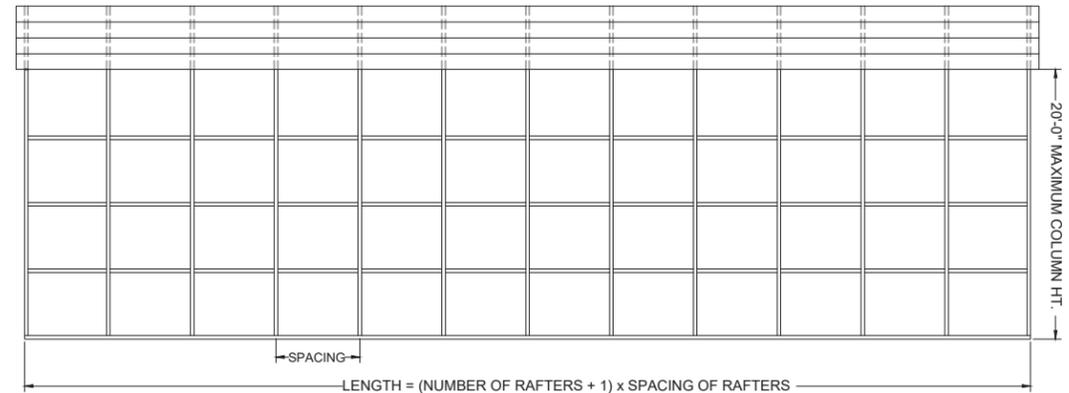
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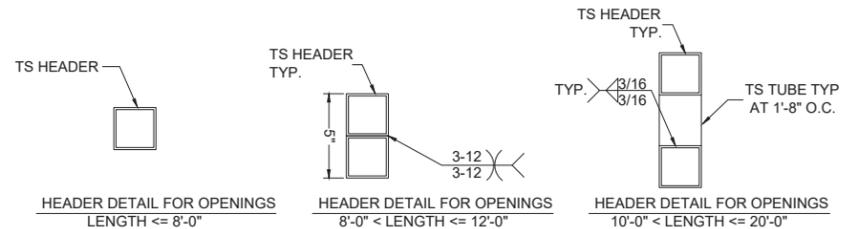
BOX EAVE FRAME
SCALE: NTS



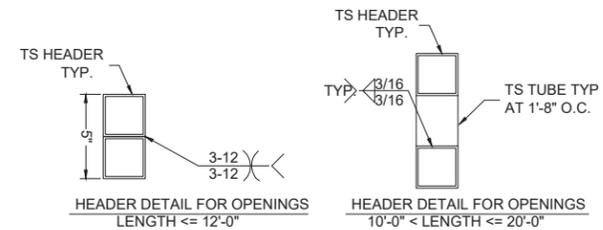
PANEL ATTACHMENT
(ALTERNATE FOR VERTICAL ROOF PANELS)
SCALE: NTS



TYPICAL SIDE FRAME SECTION
SCALE: NTS



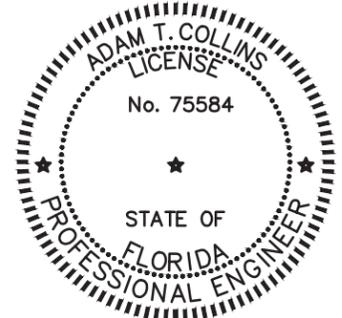
SIDE WALL OPTION HEADER
SCALE: NTS



END WALL OPTION HEADER
SCALE: NTS

NO.	REVISIONS	DATE	DATE	2025.10.06	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
			DRAWN	SM			 ADAM COLLINS ENGINEERING INC. CA# 31728 - P: 386.320.7400 - WWW.COLLINSENG.COM	ELITE METAL MANUFACTURING 10121 88TH TRACE	BOX EAVE RAFTER VERTICAL ROOF-SIDING OPTION	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-11
		DESIGNED	DMC			SCALE					
		CHECKED	ATC			AS-SHOWN					
		JOB No.	22047								

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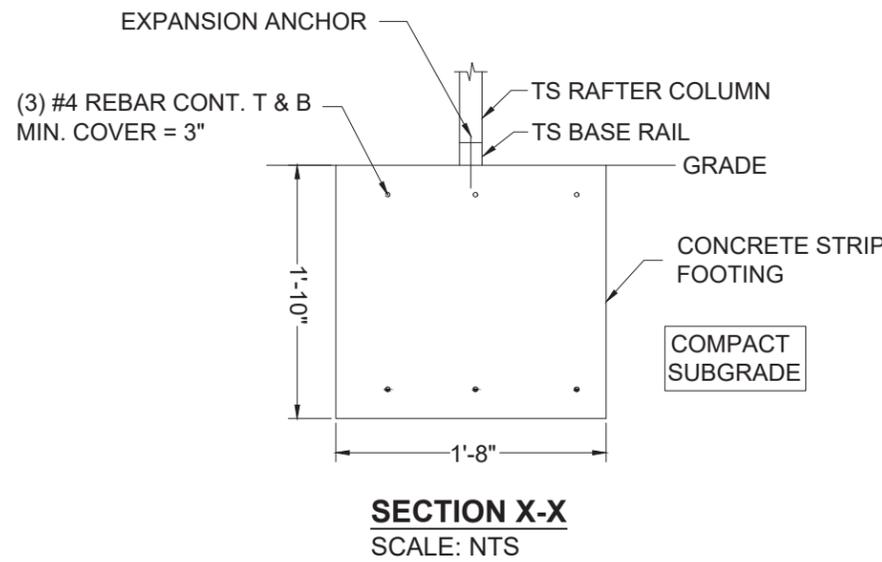
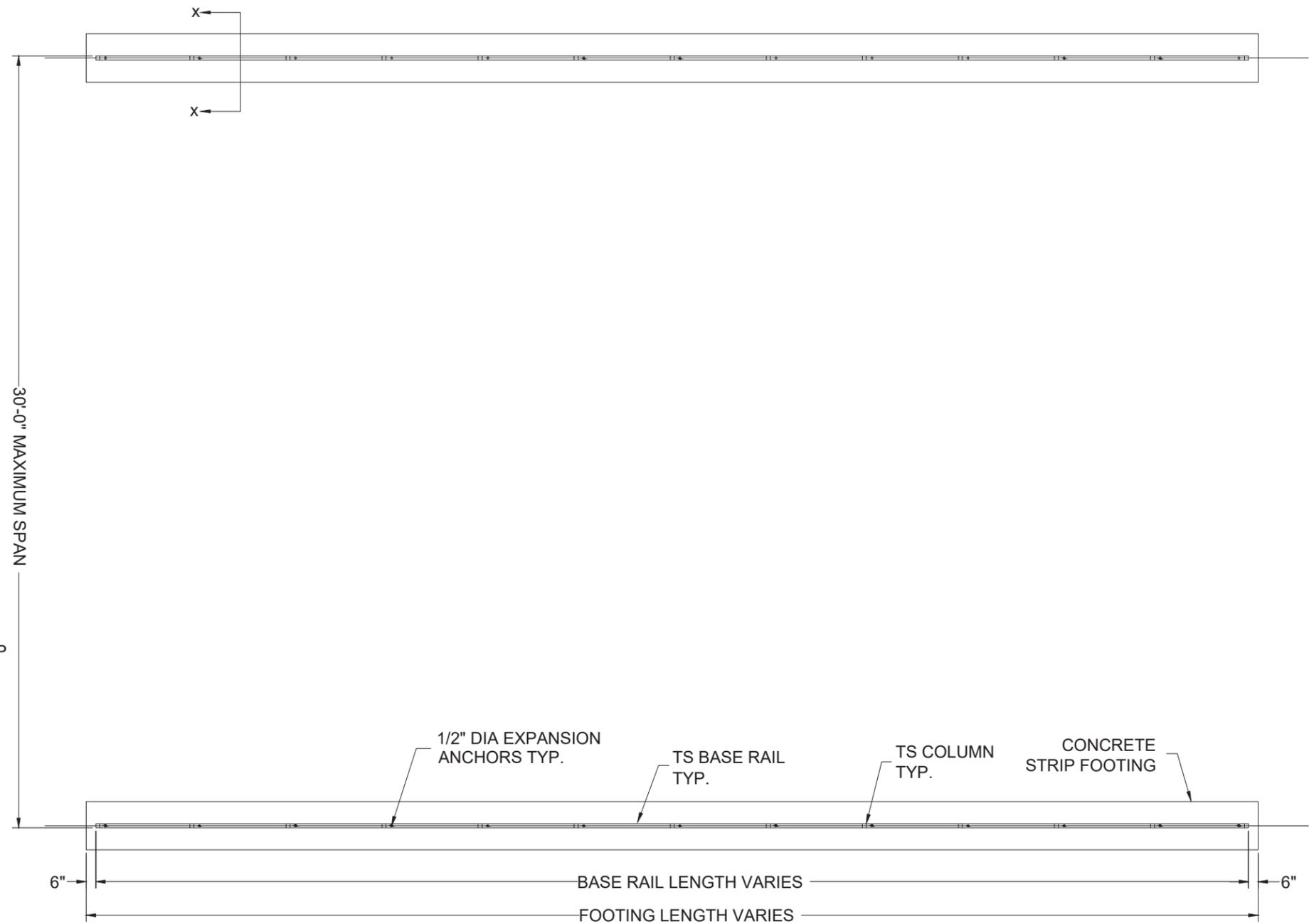


GENERAL NOTES

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

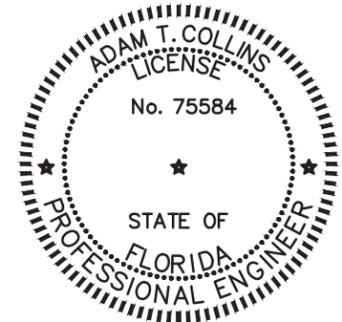
REINFORCING STEEL

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.



CONCRETE STRIP FOOTING PLAN
 SCALE: NTS

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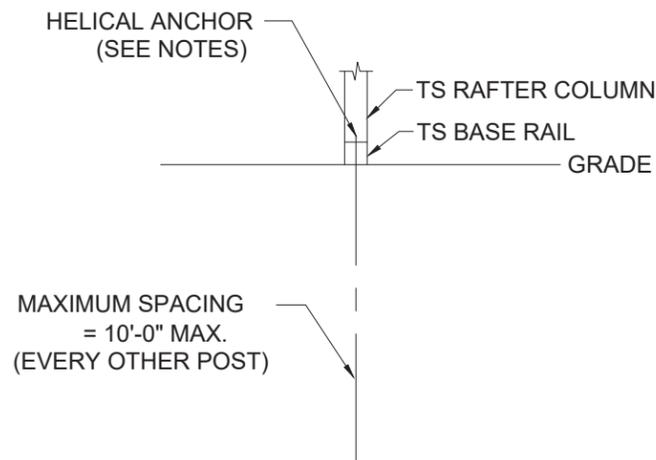
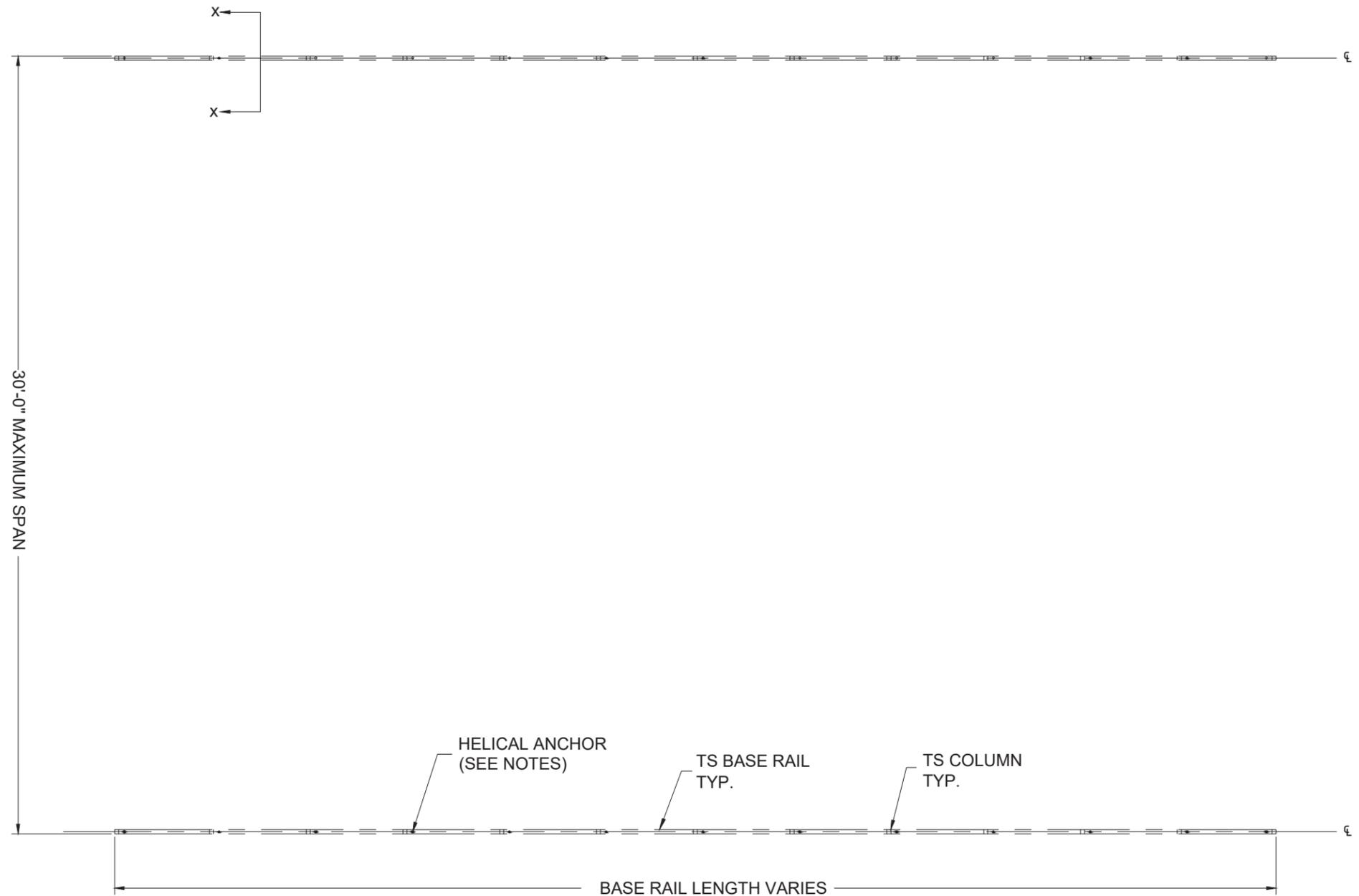


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NO.	REVISIONS	DATE	DATE	2025.10.06	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
			DRAWN	SM			ADAM COLLINS ENGINEERING INC. CA# 31728 - P: 386.320.7400 - WWW.COLLINSENG.COM	ELITE METAL MANUFACTURING 10121 88TH TRACE	OPTIONAL CONCRETE STRIP FOOTING	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-12
			DESIGNED	DMC		SCALE					
			CHECKED	ATC		AS-SHOWN					
			JOB No.	22047							

HELIX ANCHOR NOTES

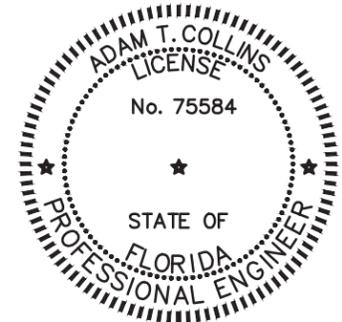
1. USE MINIMUM (2) 4" HELICES WITH 30" EMBEDMENT FOR THE FOLLOWING SOILS:
 - 1.1. VERY DENSE AND/OR CEMENTED SANDS
 - 1.2. COARSE GRAVEL AND COBBLES
 - 1.3. CALICHE
 - 1.4. PRELOADED SILTS AND CLAYS
 - 1.5. CORALS
 - 1.6. MEDIUM DENSE COARSE SANDS
 - 1.7. SANDY GRAVEL
 - 1.8. VERY STIFF SILTS AND CLAYS
2. USE MINIMUM (2) 6" HELICES WITH MINIMUM 50" EMBEDMENT FOR
 - 2.1. LOOSE TO MEDIUM DENSE SANDS
 - 2.2. FIRM TO STIFF CLAYS AND SILTS
 - 2.3. ALLUVIAL FILL
3. USE MINIMUM (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT.
 - 3.1. FOR VERY LOOSE TO MEDIUM DENSE SANDS
 - 3.2. FIRM TO STIFFER CLAYS AND SILTS
 - 3.3. ALLUVIAL FILL,



SECTION X-X
SCALE: NTS

BASE RAIL PLAN
SCALE: NTS

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NO.	REVISIONS	DATE	DATE	2025.10.06	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
			DRAWN	SM			<p>ADAM COLLINS ENGINEERING INC. CA# 31728 - P: 386.320.7400 - WWW.COLLINSENG.COM</p>	ELITE METAL MANUFACTURING 10121 88TH TRACE	OPTIONAL HELICAL ANCHORING DETAIL	Steve Mackey 102 NW Emporia Glen Lake City, FL 32055	S-13
			DESIGNED	DMC							SCALE
			CHECKED	ATC							AS-SHOWN
			JOB No.	22047							