

APPLICABLE CODES
1. 2023 FLORIDA BUILDING CODE, BUILDING
2. 2023 FLORIDA BUILDING CODE, RESIDENTIAL

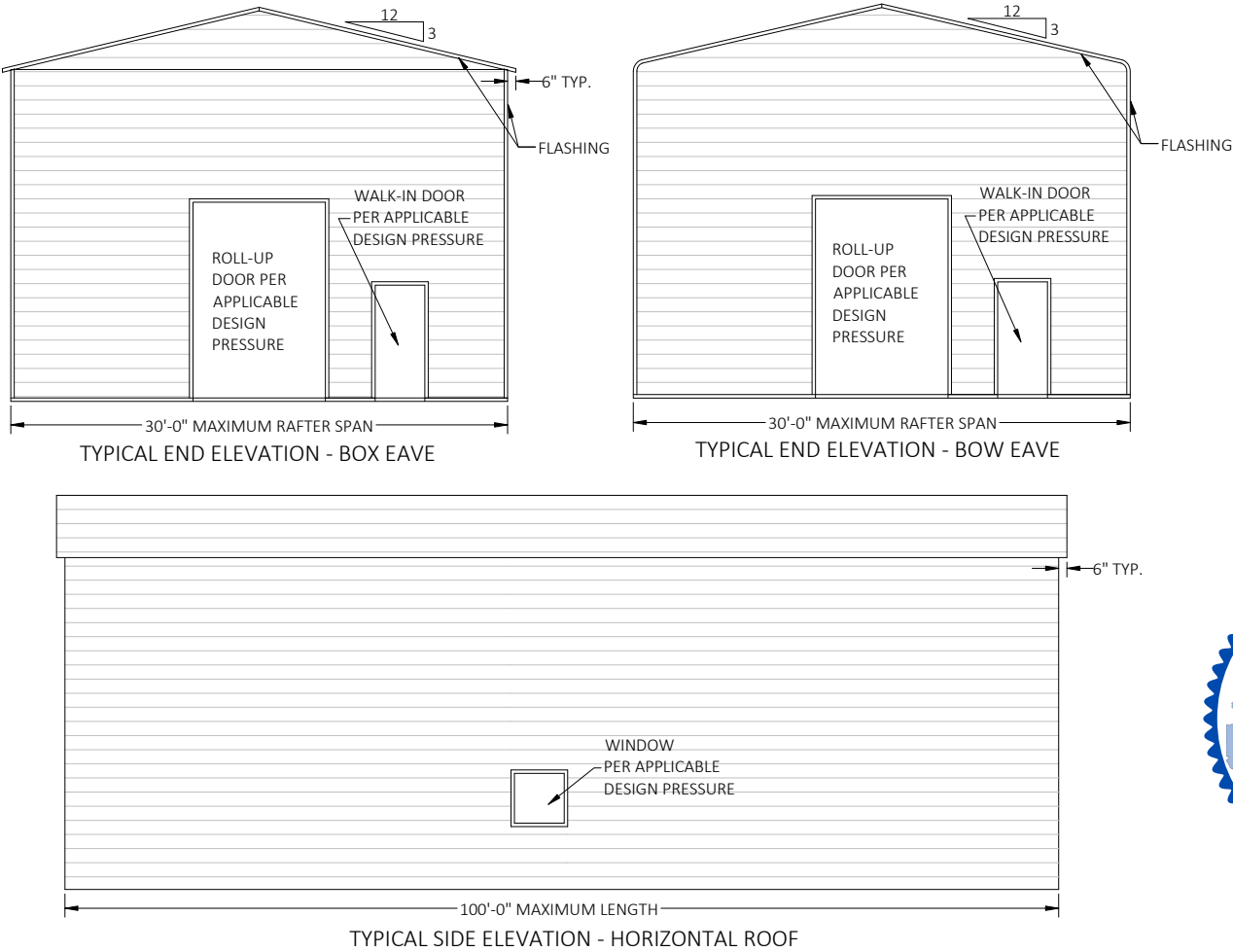
APPLICABLE STANDARDS
1. ASCE 7-22: MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES
2. AISC STEEL CONSTRUCTION MANUAL (8TH EDITION)
3. ACI 318-19: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
4. TMS 402-16: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
5. AWS D1.1: STRUCTURAL WELDING

DESIGN LOADS
1.DEAD LOAD = 1.5 PSF
2.ROOF LIVE LOAD = 12 PSF
3. GROUND SNOW LOAD = 4 PSF
4.WIND LOAD
A.RISK CATEGORY = II
B.WIND EXPOSURE CATEGORY = C
C.ULTIMATE WIND SPEED = 120 MPH
NOMINAL WIND SPEED = 94 MPH
D. THE PROPOSED STRUCTURE SHALL BE CONSTRUCTED BASED ON THE DESIGN FOR A WIND SPEED OF 170 MPH, PER THE CONTRACTOR'S REQUEST.

INSTALLATION NOTES AND SPECIFICATIONS
1. THESE PLANS BELONG EXCLUSIVELY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (MWFRS), COMPONENTS AND CLADDING (C&C), AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PROPERTY SET-BACKS, ELECTRICAL, PLUMBING, INGRESS/EGRESS, FINISH FLOOR SLOPES AND ELEVATIONS, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE LIABILITY OF OTHERS.
2. THESE STRUCTURES ARE ENGINEERED AS CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND LIVE AND WIND LOADS. UPGRADES NOT SPECIFICALLY ADDRESSED HEREIN, SUCH AS WINDOWS, DOORS, OR ANOTHER COMPONENT NOT LISTED IN THE BUILDING CODE APROVED PRODUCT LIST, AND NOT PROVIDED AND INSTALLED BY THE CONTRACTOR, WHICH CAUSE ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR FAILURE OR STRUCTURAL DAMAGE DUE TO THE EXTRA LOAD.
3. ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL WITH MINIMUM YIELD STRENGTH OF 54 KSI. ALL FASTENERS SHALL BE ZINC COATED HARDWARE.
4.END WALL COLUMNS (POST) AND SIDE WALL COLUMNS ARE EQUIVALENT IN SIZE AND SPACING U.N.O.
5.SPECIFICATIONS APPLICABLE TO 29 GA DUTCH LAP METAL PANELS FASTENED DIRECTLY TO 2.5"X2.5"X14 GA/2.5"X2.5"X12GA TUBE STEEL (TS) FRAMING MEMBERS FOR VERTICAL PANELS. 29 GA METAL PANELS SHALL BE FASTENED DIRECTLY TO 18 GA HAT CHANNELS U.N.O.
6.AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS, INTERIOR = 9" AND END = 6" MAX.
7.FASTENERS CONSIST OF #12-14X3/4" SELF-DRILLING SCREWS (SDS), USE CONTROL SEAL WASHER WITH EXTERIOR FASTENERS. SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 20'-0" OR LESS, AND ROOF SLOPES OF 14° (3:12 PITCH) OR LESS. SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY.
8.ANCHORS SHALL BE INSTALLED THROUGH THE BASE RAIL WITHIN 6" OF EACH RAFTER COLUMN ALONG SIDES AND ENDS.
9.STANDARD GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBARS WITH WELDED NUT X 36" LONG AND MAY BE USED IN SUITABLE SOILS. 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.
10.RAFTER SPACING IS 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 140 MPH AND 4'-0" FOR WIND SPEEDS BETWEEN 140 MPH AND 170 MPH.
11. WIND FORCES GOVERN OVER SEISMIC FORCES.
12. CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS:
CONTRACTOR TO VERIFY THAT THE FINISHED FLOOR ELEVATION FOR THE PROPOSED STRUCTURE IS AT OR ABOVE THE GREATER OF THE FOLLOWING ELEVATIONS:
I) BFE (BASE FLOOD ELEVATION) + 2'-0"
II) DFE (DESIGN FLOOD ELEVATION)
III) THE MINIMUM ELEVATION MANDATED BY THE BUILDING CODES ADOPTED BY THE AUTHORITY HAVING JURISDICTION.

DRAWING INDEX	
PAGE NO.	DESCRIPTION
1	TITLE PAGE WITH INDEX
2	TRUSS DESIGN FOR RAFTER SPAN
3	CONNECTION DETAILS (1-3)
4	BASE RAIL AND FOUNDATION ANCHORAGE
5	RAFTER END WALL, SIDE WALL AND OPENING FRAMING
6	CONNECTION DETAILS (5-17)
7	BOX EAVE RAFTER LEAN-TO OPTIONS
8	CONNECTION DETAILS (19-21)
9	BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION
10	OPTIONAL HELICAL ANCHORING ON GRADE DETAIL

ENCLOSED METAL BUILDING DESIGN
MAXIMUM 30'-0" WIDE X 100'-0" LONG X 20'-0" HIGH (EAVE)
BOX EAVE FRAME / BOW EAVE FRAME



This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

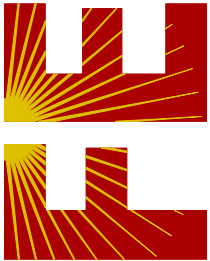


ADJUSTED C & C WIND PRESSURES (ROOF, ASD, PSF)				ADJUSTED C & C WIND PRESSURES (WALL, ASD, PSF)	
EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 1' (NEGATIVE) = ZONE 1' (OVERHANG) = ZONE 1 (NEGATIVE) = ZONE 1 (OVERHANG) = ZONE 2 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 3 (NEGATIVE) = ZONE 3 (OVERHANG) =	10.00	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 1' (NEGATIVE) = ZONE 1' (OVERHANG) = ZONE 1 (NEGATIVE) = ZONE 1 (OVERHANG) = ZONE 2 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 3 (NEGATIVE) = ZONE 3 (OVERHANG) =	200.00	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (NEGATIVE) =	10.00 26.9 -28.6 -33.8
	NA NA NA -44.1 -61.4 -56.3 -73.5 -71.8 -89.1		NA NA NA -21.3 -34.6 -26.9 -40.2 -40.7 -54.0		
	20.00		300.00	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (NEGATIVE) =	20.00 26.0 -27.7 -32.0
	NA NA NA -38.9 -55.2 -49.5 -65.8 -62.4 -78.8		NA NA NA -18.2 -31 -26.9 -39.6 -40.7 -53.5	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (NEGATIVE) =	50.00 24.8 -26.4 -29.5
	50.00		500.00	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (NEGATIVE) =	200.00 22.9 -24.6 -25.8
EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 1' (NEGATIVE) = ZONE 1' (OVERHANG) = ZONE 1 (NEGATIVE) = ZONE 1 (OVERHANG) = ZONE 2 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 3 (NEGATIVE) = ZONE 3 (OVERHANG) =	NA NA NA -31.9 -47 -40.5 -55.6 -50.1 -65.2	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 1' (NEGATIVE) = ZONE 1' (OVERHANG) = ZONE 1 (NEGATIVE) = ZONE 1 (OVERHANG) = ZONE 2 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 3 (NEGATIVE) = ZONE 3 (OVERHANG) =	1000.00	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (NEGATIVE) =	300.00 22.4 -24.1 -24.8
	NA NA NA -26.6 -40.8 -33.6 -47.9 -40.7 -54.9		NA NA NA -18.2 -30.3 -26.9 -39 -40.7 -52.8		
	100.00		1000.00	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (NEGATIVE) =	500.00 21.7 -23.4 -23.4
	NA NA NA -26.6 -40.8 -33.6 -47.9 -40.7 -54.9		NA NA NA -18.2 -30.3 -26.9 -39 -40.7 -52.8	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (NEGATIVE) =	1000.00 21.7 -23.4 -23.4
	100.00		1000.00	EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 4 (NEGATIVE) = ZONE 5 (NEGATIVE) =	1000.00 21.7 -23.4 -23.4

CONTRACTOR TO PROVIDE BUILDING CODE APPROVED PRODUCTS TO MEET OR EXCEED THE DESIGN PRESSURES AS TABULATED.

THE ENGINEERING ON THESE PLANS IS SITE SPECIFIC FOR (1) STRUCTURE ONLY AT THE PROVIDED ADDRESS(ES).

FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com



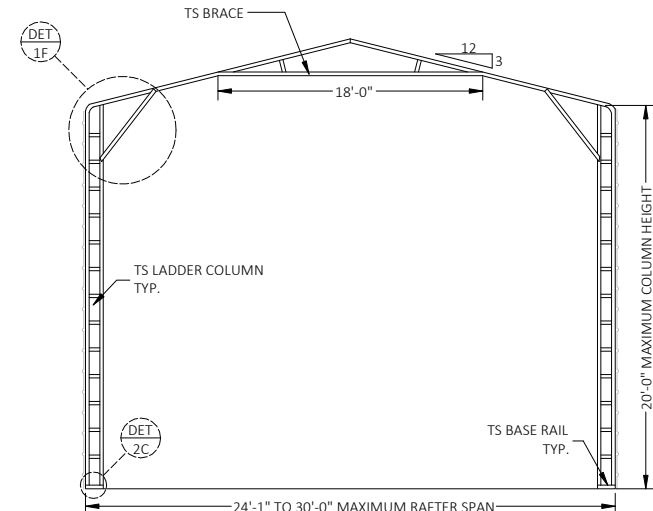
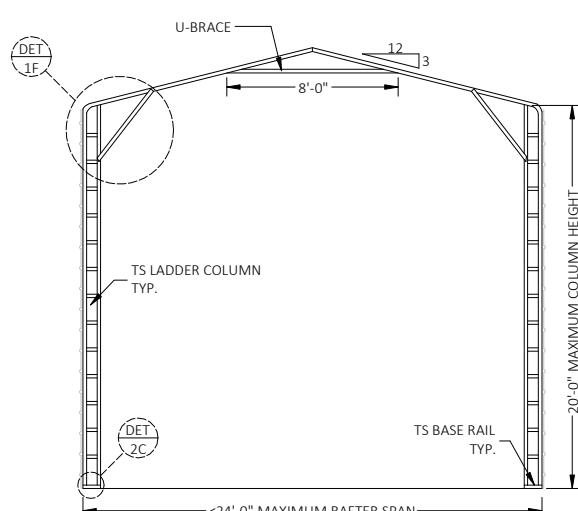
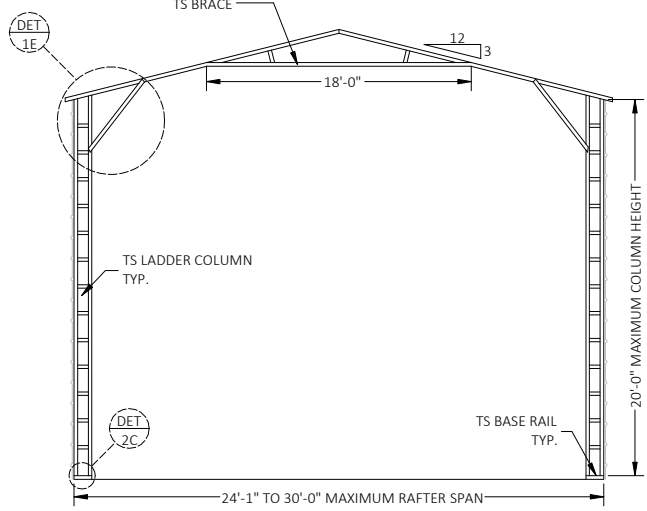
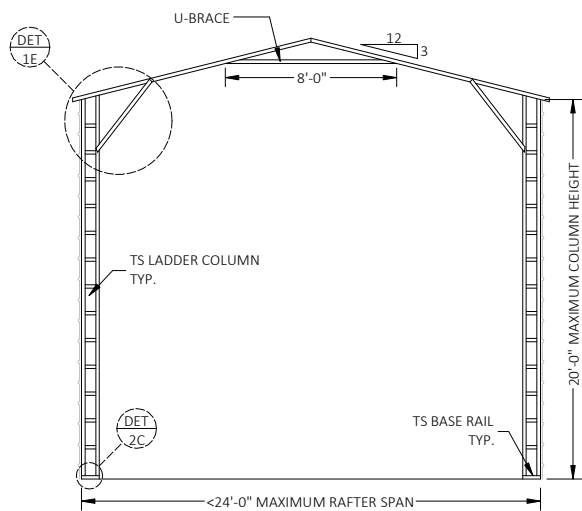
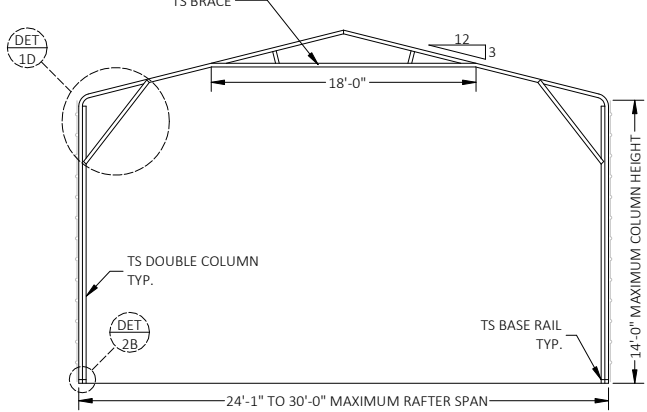
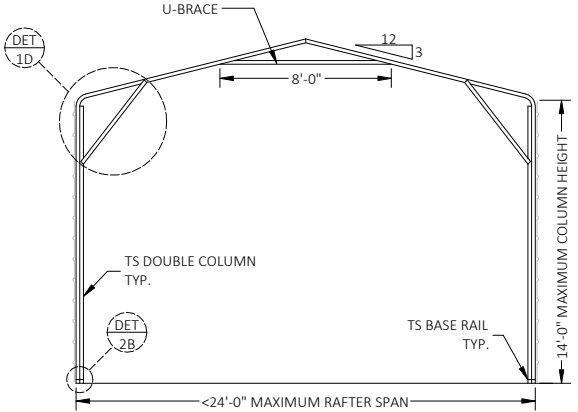
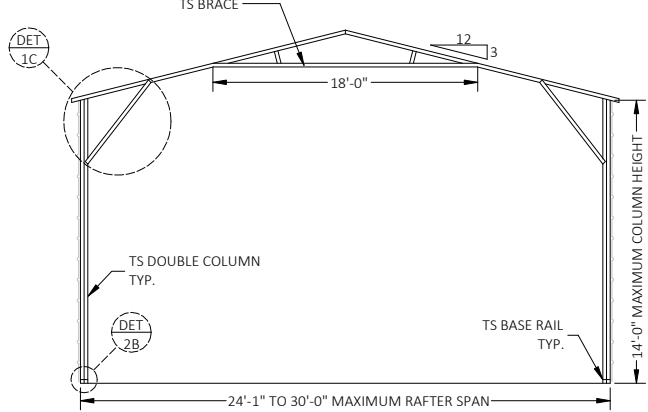
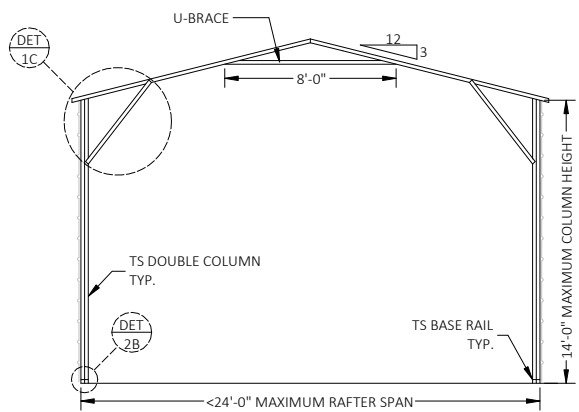
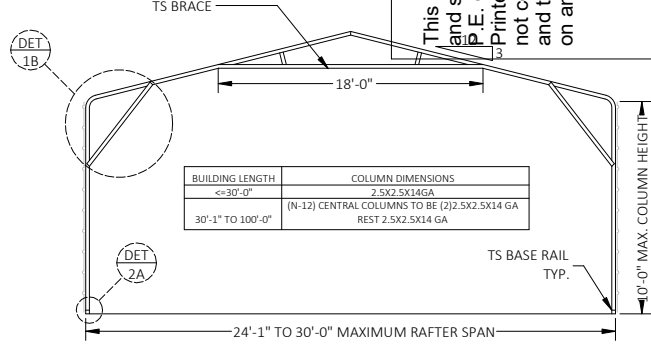
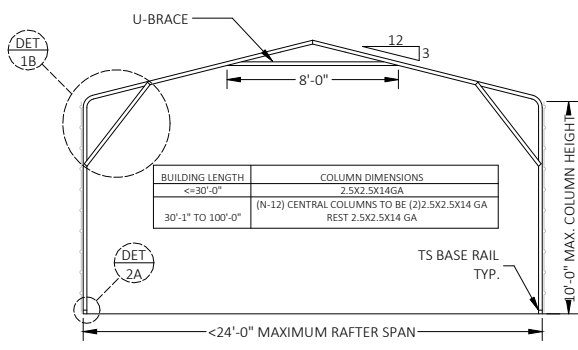
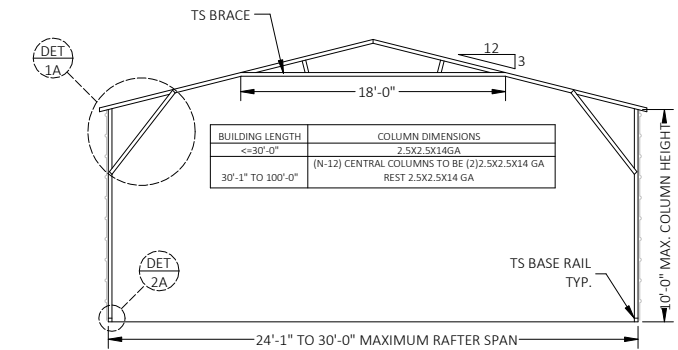
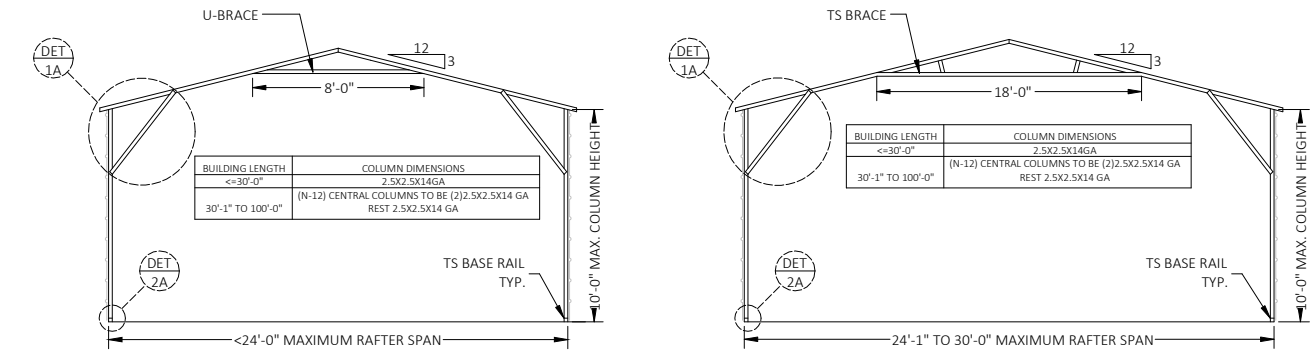
CA CERT. #30782

PROJECT NO. 2512579

CONTRACTOR: BEST METAL BUILDINGS LLC 484 NW TURNER AVE LAKE CITY FL 32055		PROJECT ADDRESS: PHILPOT 177 SE PITTMAN CT, LAKE CITY, FLORIDA, 32025	
DESIGN DATE:		03/07/2025	
REVISION 1:		DATE	
REVISION 2:		DATE	SHEET: 1 OF 10
DRAWN BY:		JS	
SCALE:		NTS	

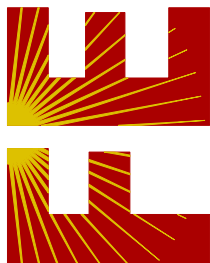
- MEMBER LEGEND:
1. TS COLUMN = 2.5X2.5X14 GA U.N.O.
 2. TRUSS MEMBERS = 2.5X2.5X14 GA U.N.O.
 3. KNEE-BRACE = 2.5"X2"X18GA CHANNEL
 4. PURLIN = 1.125"X18GA HAT CHANNEL
 5. TS BRACE = 2.5"X2.5"X14GA TUBE
 6. U-BRACE = 2.5"X2"X18GA CHANNEL
 7. END WALL COLUMN = (2)2.5X2.5X14GA U.N.O.

TRUSS LAYOUT- BOX EAVE



This item has been digitally signed
and sealed by Richard E. Walker,
P.E. on the date adjacent to the seal.
Printed copies of this document are
not considered signed and sealed
and the signature must be verified
on any electronic copies.

FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com



PROJECT NO. 2512579

CA CERT. #30782

CONTRACTOR:
BEST METAL BUILDINGS LLC
484 NW TURNER AVE
LAKE CITY FL 32055

PROJECT ADDRESS:
PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025

DESIGN DATE: 03/07/2025

REVISION 1: DATE

REVISION 2: DATE

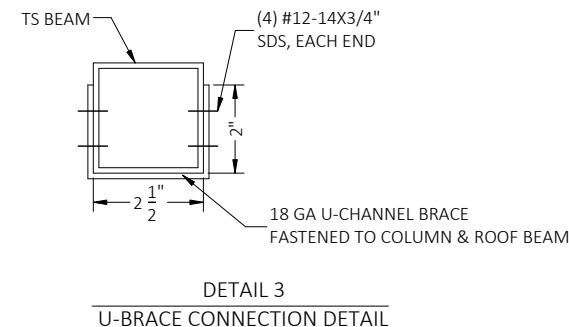
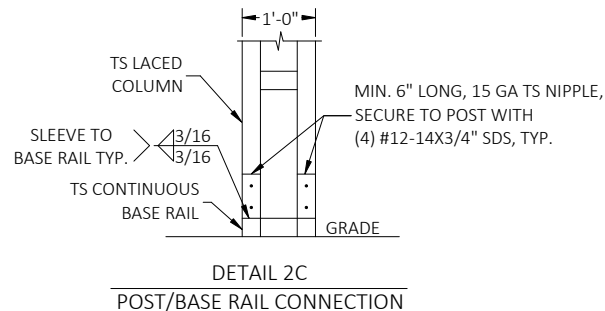
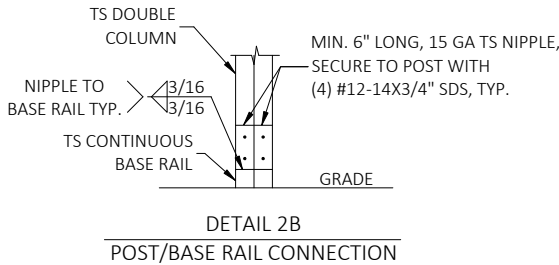
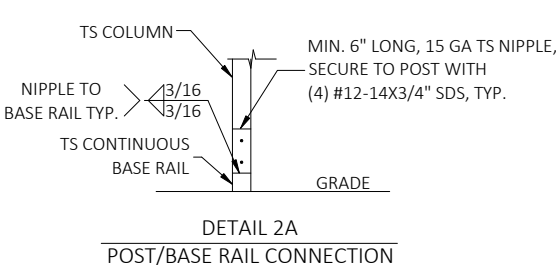
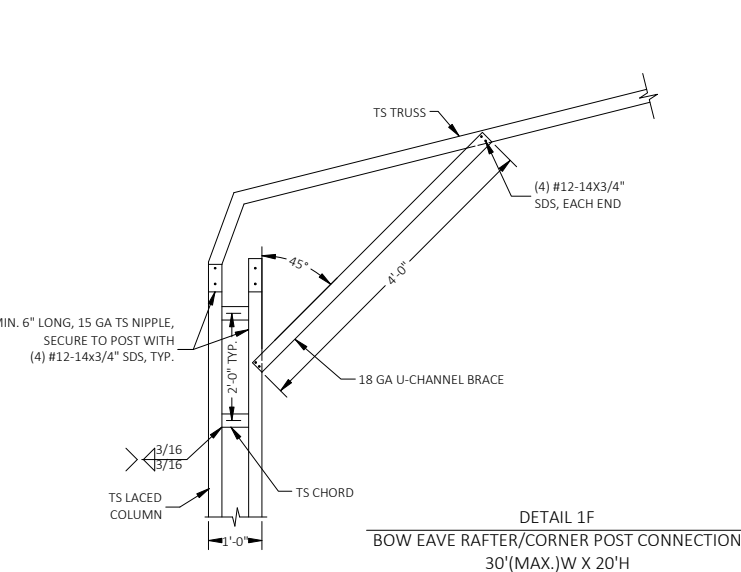
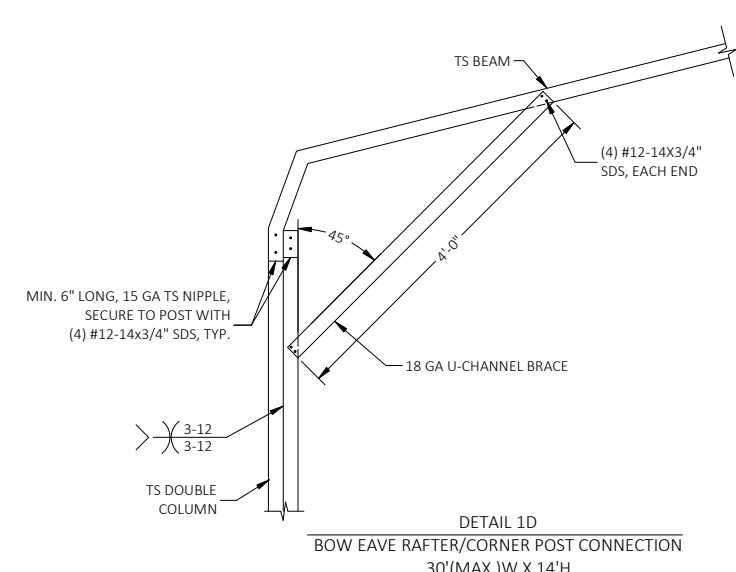
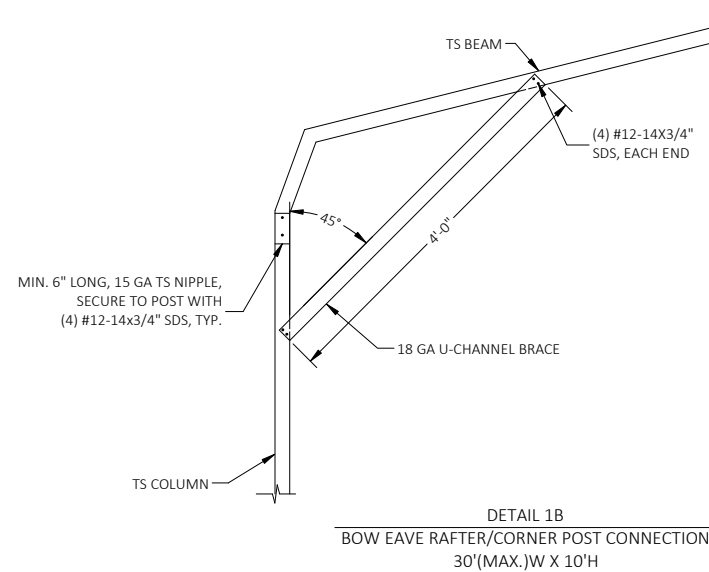
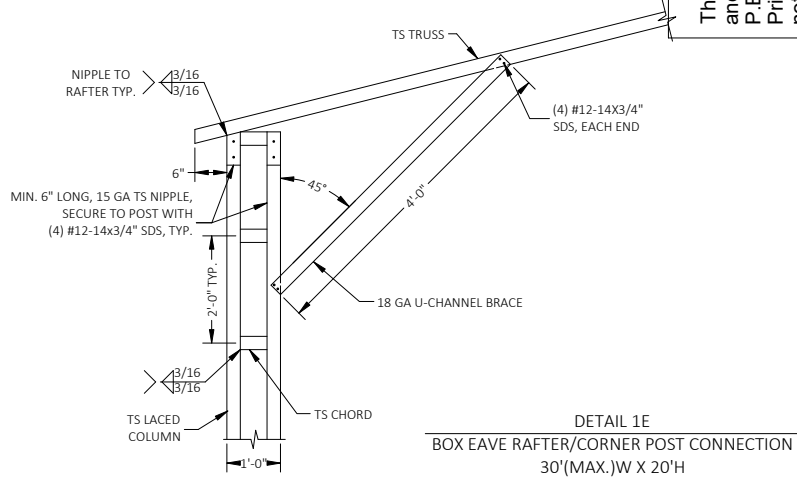
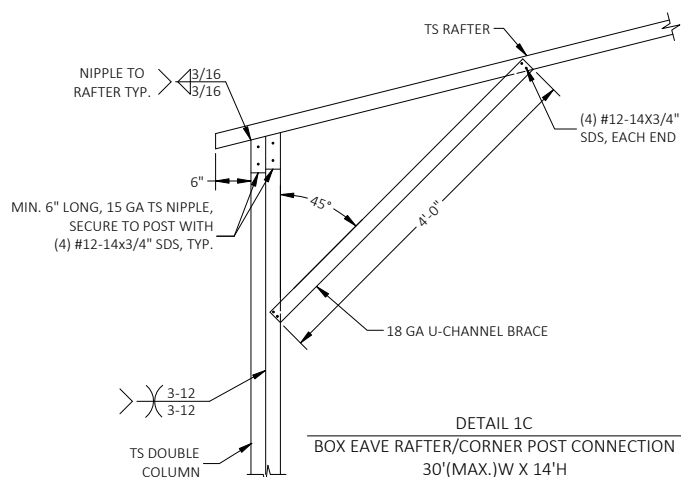
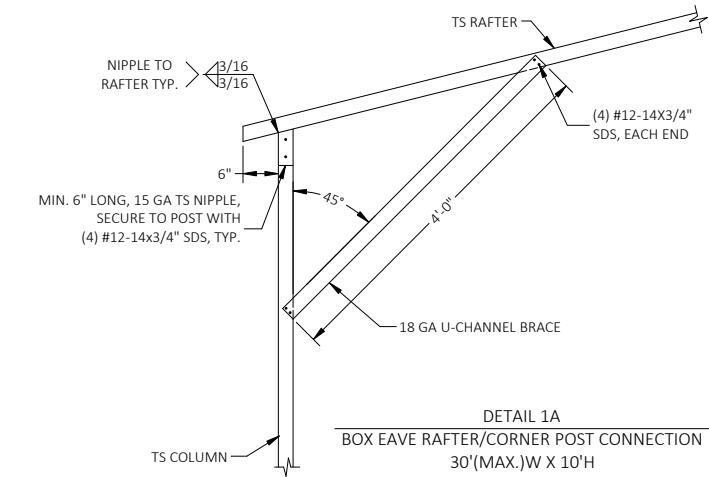
DRAWN BY: JS

SCALE: NTS

SHEET:

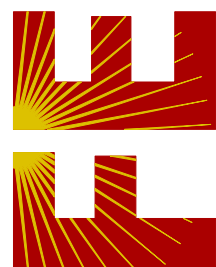
2

OF 10



This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com



PROJECT NO. 2512579

CA CERT. #30782

CONTRACTOR:
BEST METAL BUILDINGS LLC
484 NW TURNER AVE
LAKE CITY FL 32055

PROJECT ADDRESS:
PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025

DESIGN DATE: 03/07/2025

REVISION 1: DATE

REVISION 2: DATE

DRAWN BY: JS

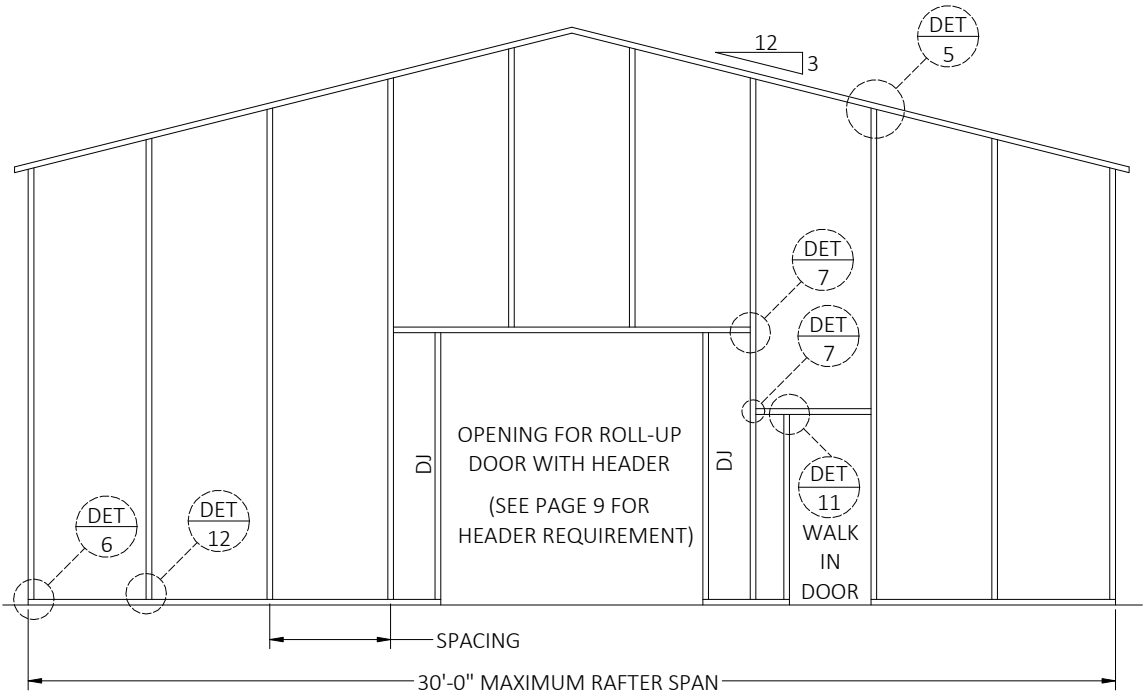
SCALE: NTS

SHEET:

3

OF 10

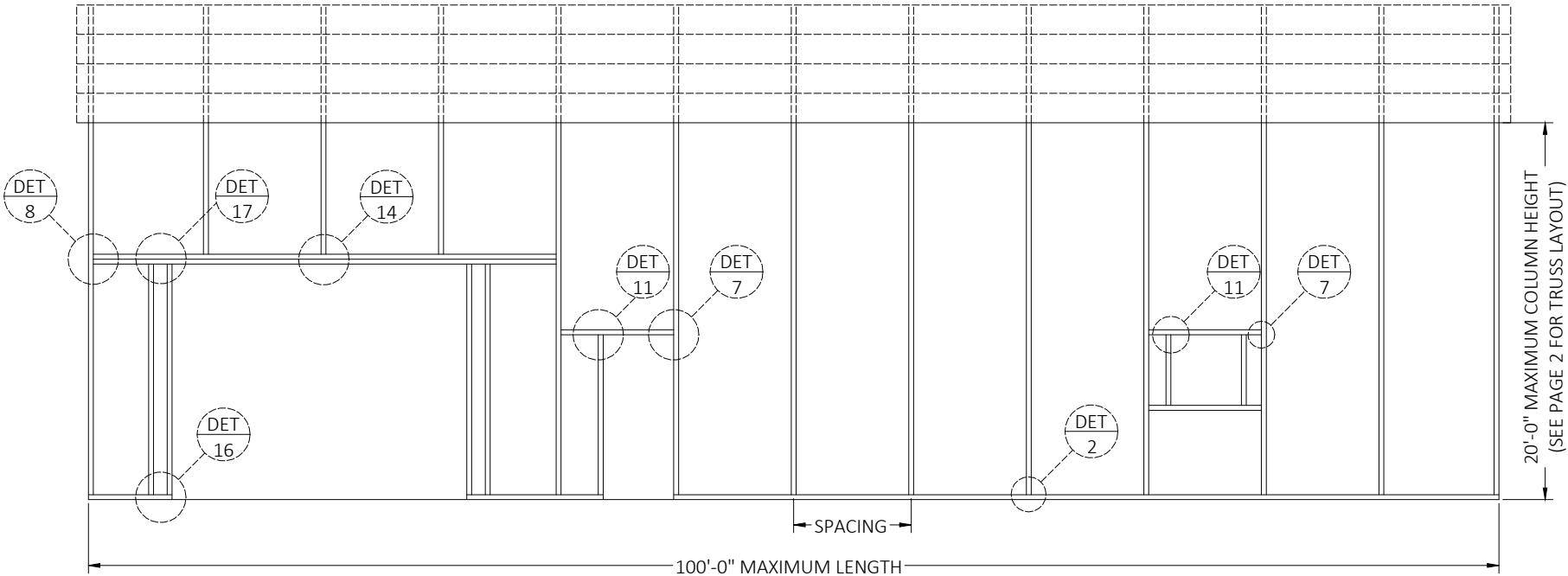
This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION

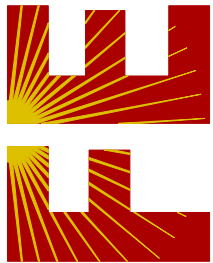
SPACING = 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 150 MPH
SPACING = 4'-0" FOR WIND SPEEDS BETWEEN 151 MPH AND 170 MPH

(SEE PG-09 FOR HEADER DETAILS)



TYPICAL BOX EAVE RAFTER SIDE WALL FRAMING SECTION

SPACING = 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 150 MPH
SPACING = 4'-0" FOR WIND SPEEDS BETWEEN 151 MPH AND 170 MPH



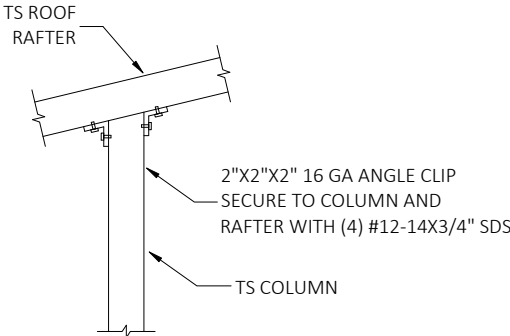
FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com

CA CERT. #30782

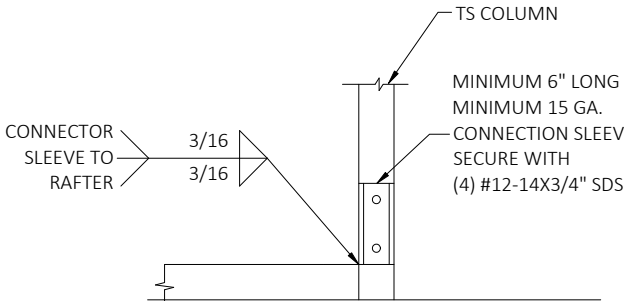
PROJECT NO. 2512579

CONTRACTOR: BEST METAL BUILDINGS LLC 484 NW TURNER AVE LAKE CITY FL 32055	PROJECT ADDRESS: PHILPOT 177 SE PITTMAN CT, LAKE CITY, FLORIDA, 32025	
	DESIGN DATE:	03/07/2025
REVISION 1:		DATE
REVISION 2:	DATE	SHEET:
DRAWN BY:	JS	
SCALE:	NTS	5 OF 10

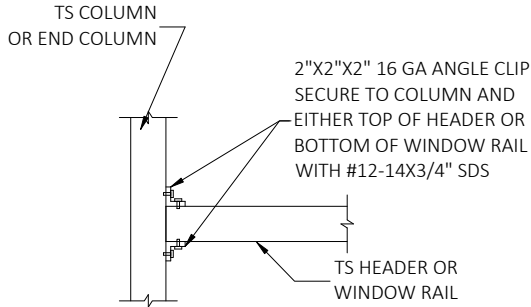
CONNECTION DETAILS



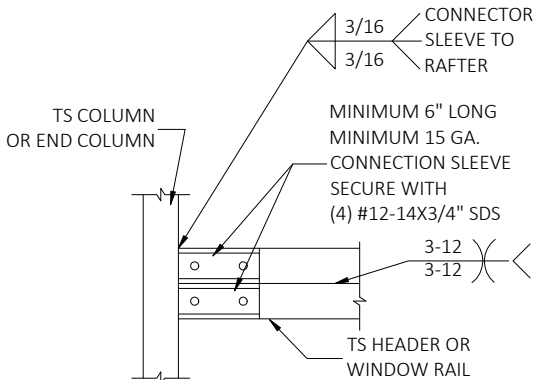
DETAIL 5
END COLUMN/RAFTER CONNECTION



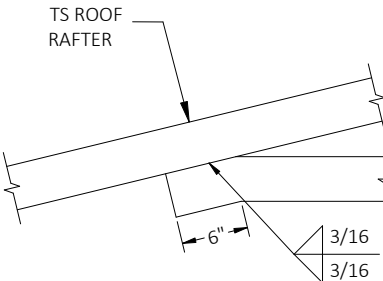
DETAIL 6
END POST/BASE RAIL CONNECTION



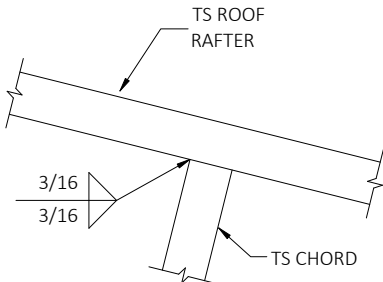
DETAIL 7
HEADER TO COLUMN CONNECTION



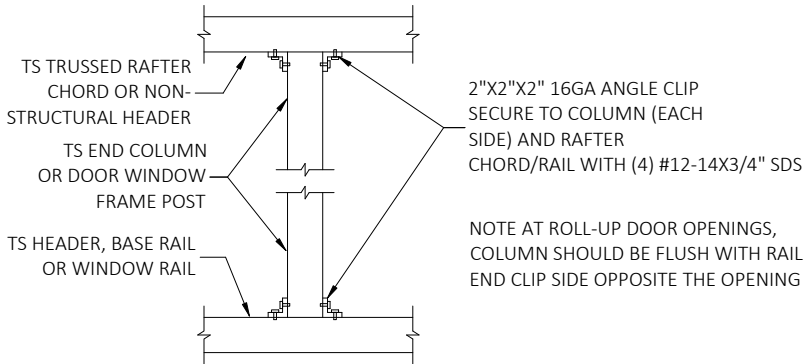
DETAIL 8
DOUBLE HEADER TO COLUMN CONNECTION



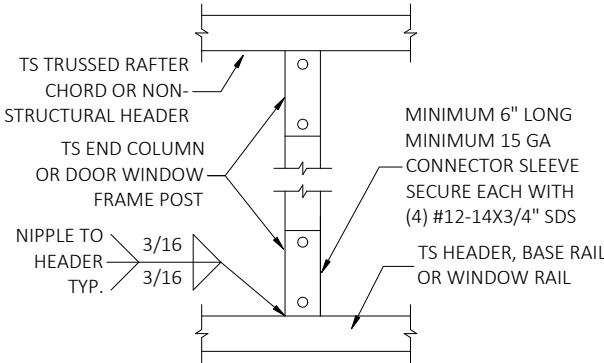
DETAIL 9
COLLAR TIE CONNECTION



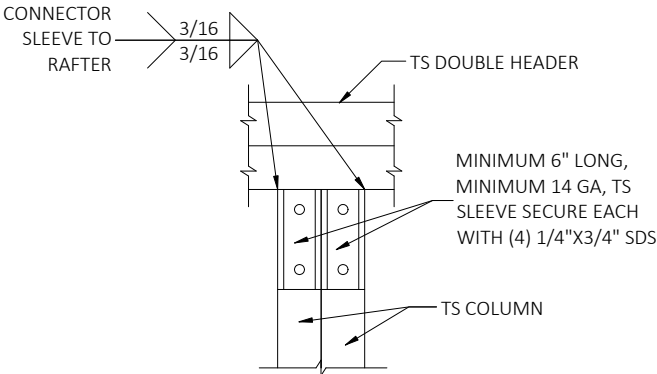
DETAIL 10
RAFTER TO CHORD CONNECTION



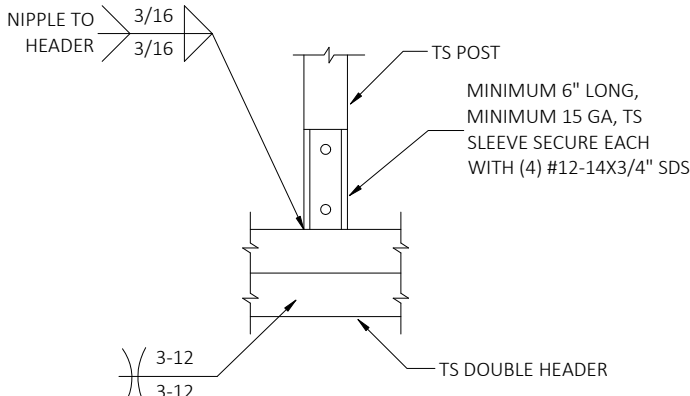
DETAIL 11
POST TO HEADER, BASE RAIL OR WINDOW RAIL CONNECTION
(OPTION-1)



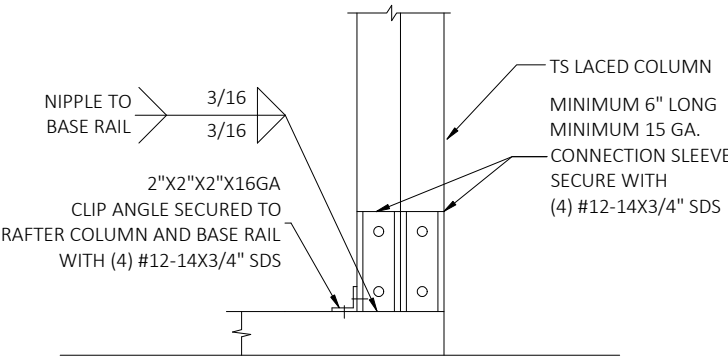
DETAIL 12
POST TO HEADER, BASE RAIL CONNECTION
(OPTION-2)



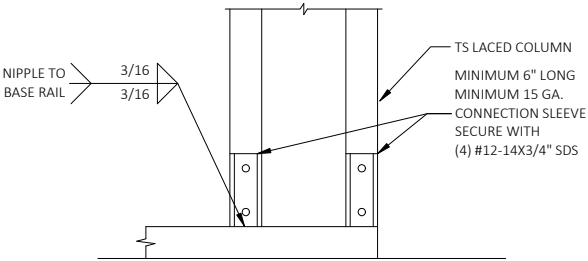
DETAIL 13
DOUBLE HEADER TO COLUMN CONNECTION



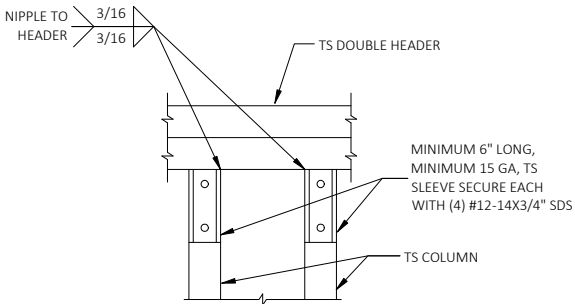
DETAIL 14
POST/DOUBLE HEADER CONNECTION



DETAIL 15
POST/BASE RAIL CONNECTION



DETAIL 16
POST/BASE RAIL CONNECTION



DETAIL 17
POST/BASE RAIL CONNECTION

This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FLORIDA ENGINEERING LLC

4161 TAMiami TRAIL, UNIT 101

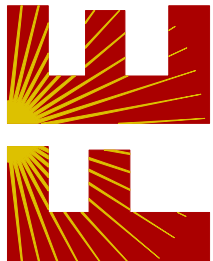
PORT CHARLOTTE, FLORIDA 33952

(941) 391-5980

FLEng.com

Orders@FLEng.com

CA CERT. #30782



PROJECT NO. 2512579

CONTRACTOR:
BEST METAL BUILDINGS LLC
484 NW TURNER AVE
LAKE CITY FL 32055

PROJECT ADDRESS:
PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025

DESIGN DATE: 03/07/2025

REVISION 1: DATE

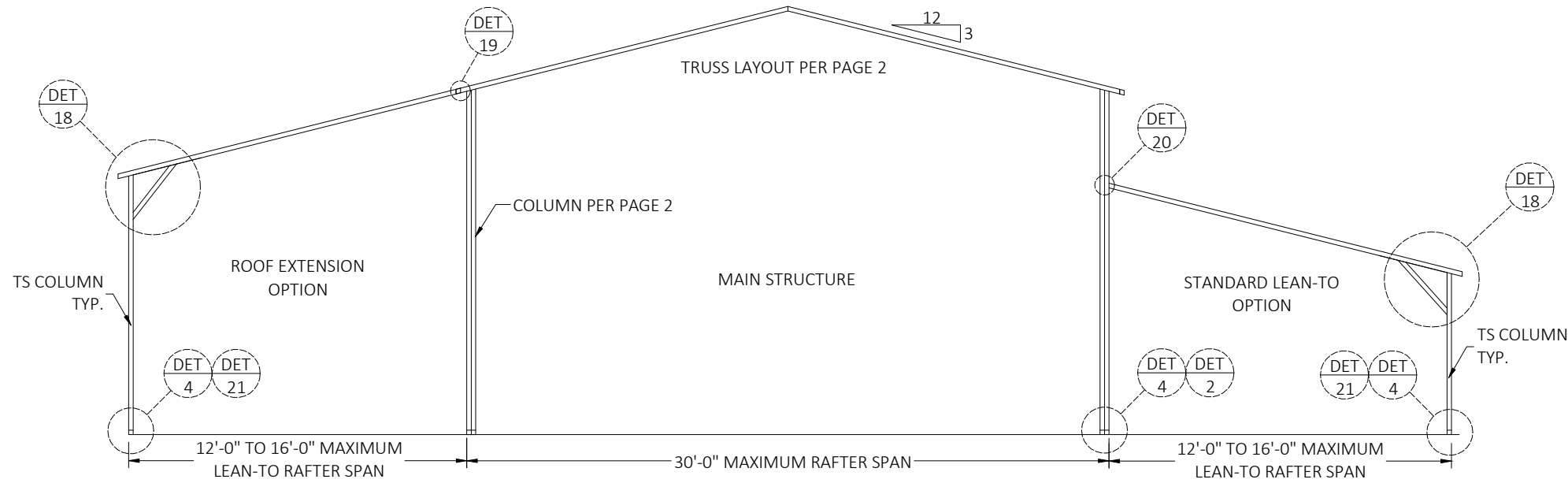
REVISION 2: DATE

DRAWN BY: JS

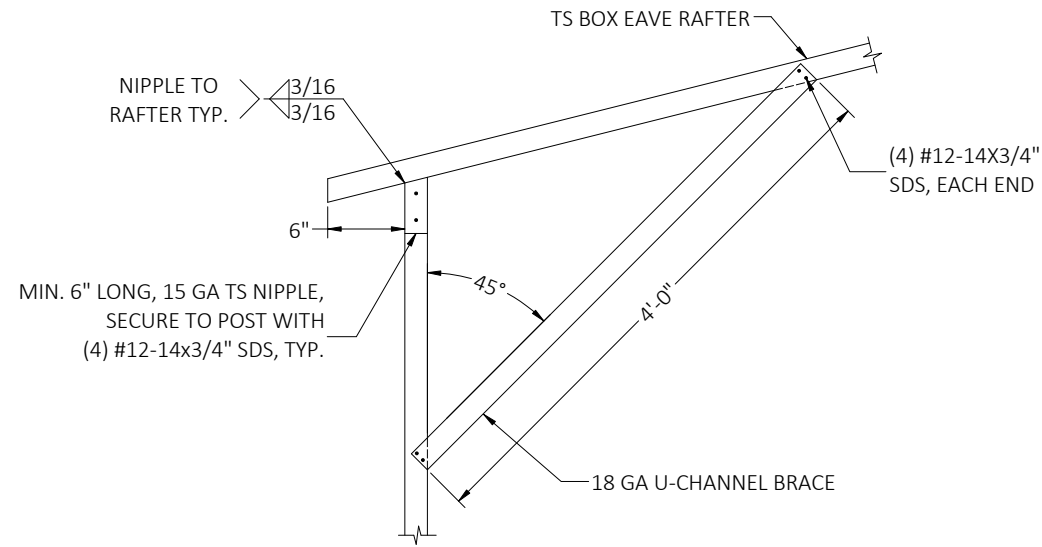
SCALE: NTS

SHEET:

6 OF 10

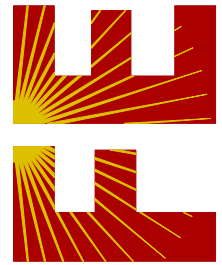


TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION



DETAIL 18
LEAN-TO RAFTER/CORNER POST CONNECTION

This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



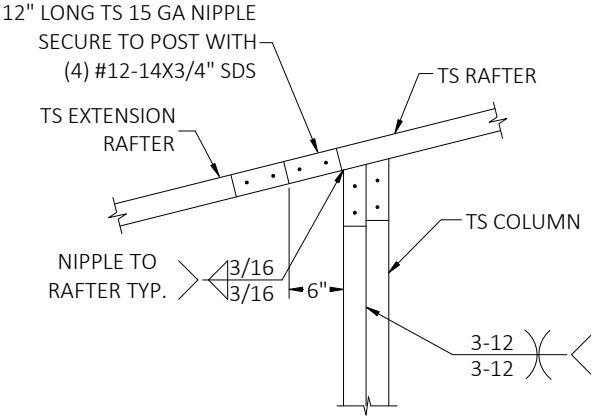
FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com

PROJECT NO. 2512579

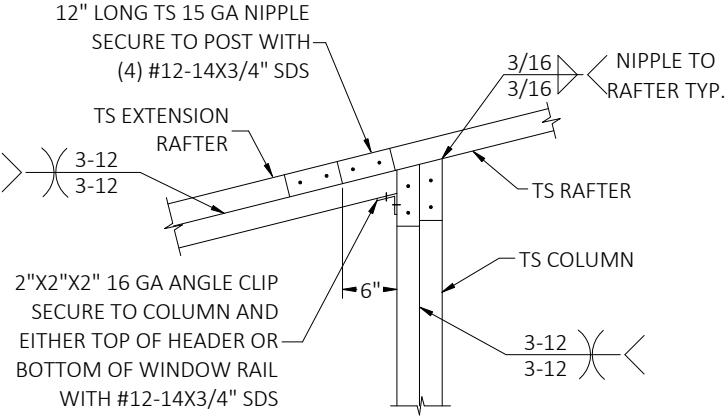
CA CERT. #30782

CONTRACTOR: BEST METAL BUILDINGS LLC 484 NW TURNER AVE LAKE CITY FL 32055	PROJECT ADDRESS: PHILPOT 177 SE PITTMAN CT, LAKE CITY, FLORIDA, 32025	
	DESIGN DATE:	03/07/2025
	REVISION 1:	DATE
	REVISION 2:	DATE
	DRAWN BY:	JS
SCALE:	NTS	SHEET: 7 OF 10

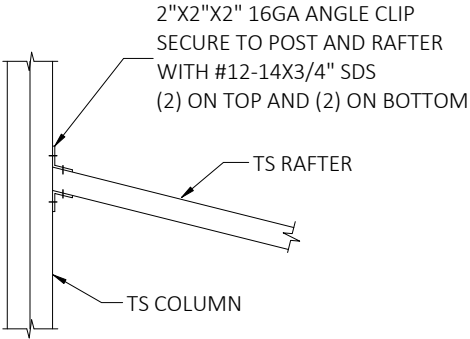
CONNECTION DETAILS



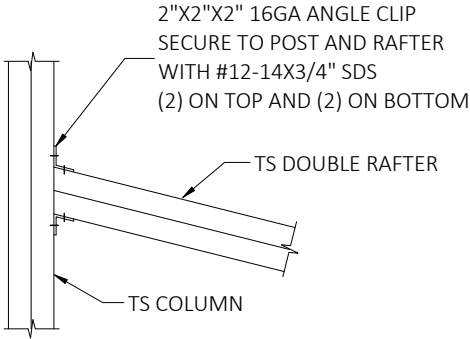
DETAIL 19A
SIDE EXTENSION RAFTER/COLUMN CONNECTION
FOR RAFTER SPANS LESS THAN 12'-0"



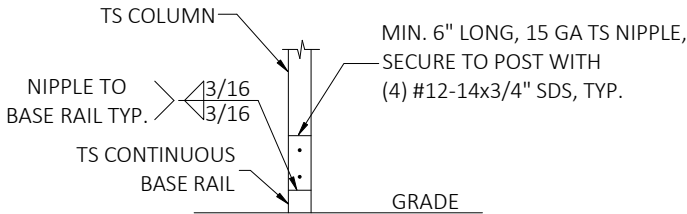
DETAIL 19B
SIDE EXTENSION RAFTER/COLUMN CONNECTION
FOR RAFTER SPANS BETWEEN 12'-0" AND 16'-0"



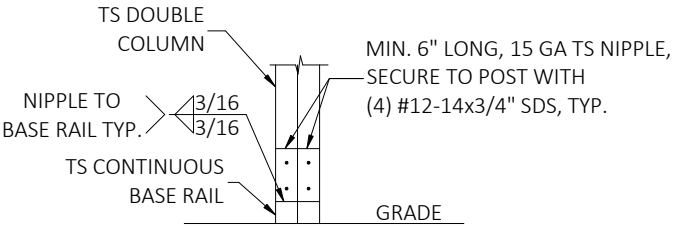
DETAIL 20A
LEAN TO RAFTER/COLUMN CONNECTION
FOR RAFTER SPANS LESS THAN 12'-0"



DETAIL 20B
LEAN TO RAFTER/COLUMN CONNECTION
FOR RAFTER SPANS BETWEEN 12'-0" AND 16'-0"

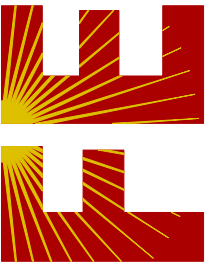


DETAIL 21A
LEAN-TO POST CONNECTION



DETAIL 21B
LEAN-TO DOUBLE POST CONNECTION

This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com

PROJECT NO. 2512579

CA CERT. #30782

CONTRACTOR:
BEST METAL BUILDINGS LLC
484 NW TURNER AVE
LAKE CITY FL 32055

PROJECT ADDRESS:
PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025

DESIGN DATE: 03/07/2025

REVISION 1: DATE

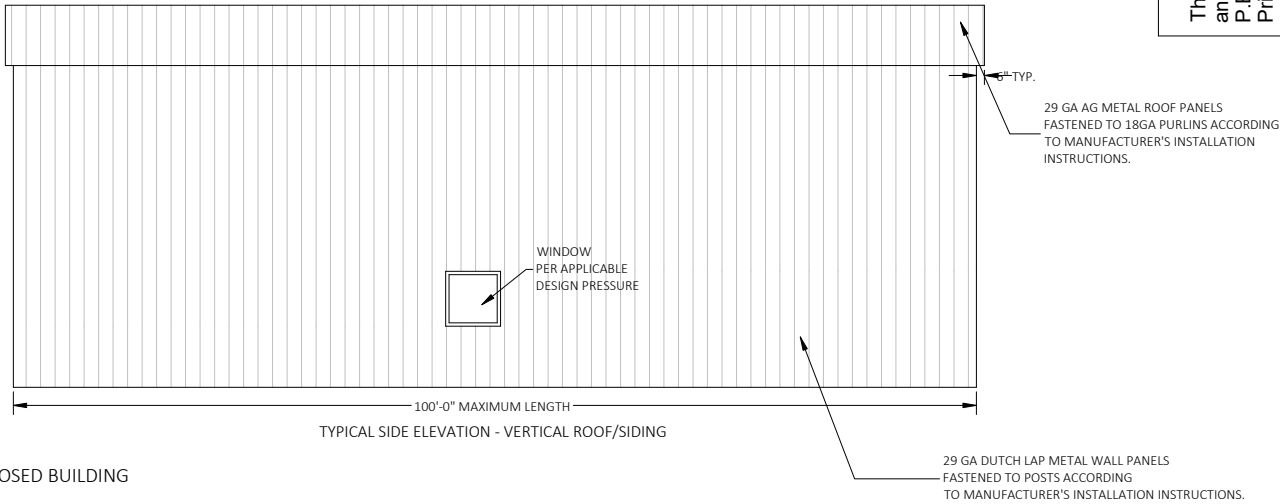
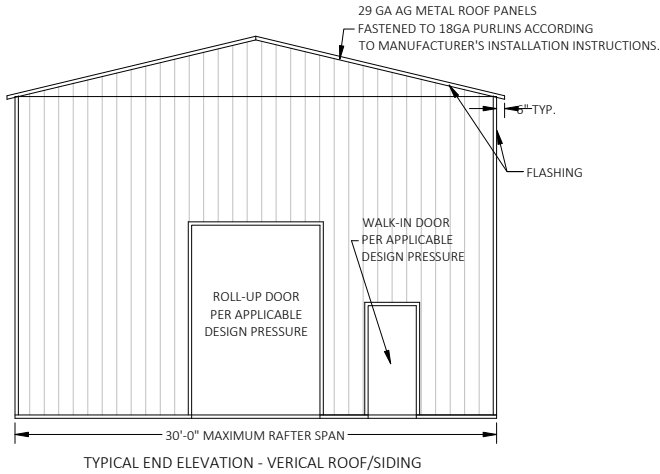
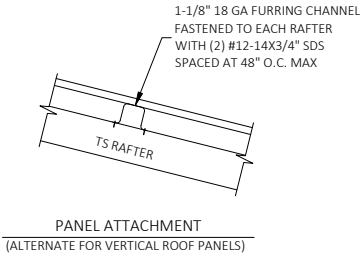
REVISION 2: DATE

DRAWN BY: JS

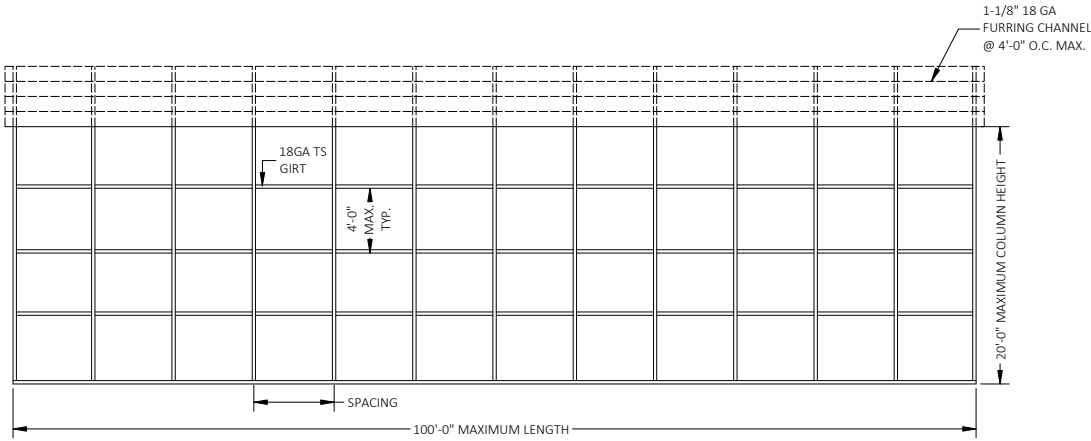
SCALE: NTS

SHEET:

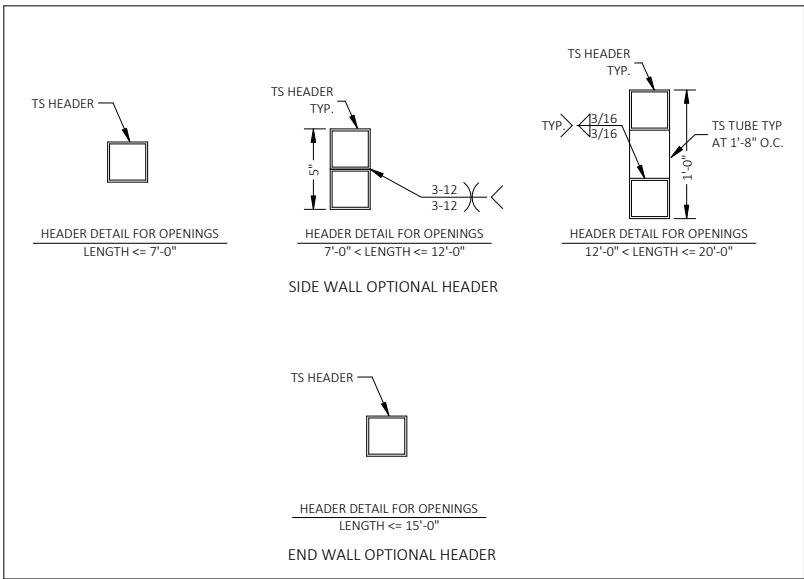
8 OF 10



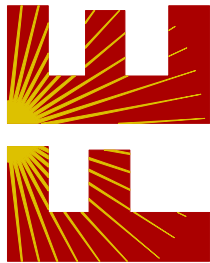
BOX EAVE FRAME RAFTER ENCLOSED BUILDING



SPACING = 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 150 MPH
SPACING = 4'-0" FOR WIND SPEEDS BETWEEN 151 MPH AND 170 MPH



This item has been digitally signed
and sealed by Richard E. Walker,
P.E. on the date adjacent to the seal.
Printed copies of this document are
not considered signed and sealed
and the signature must be verified
on any electronic copies.



FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com

PROJECT NO. 2512579

CA CERT. #30782

CONTRACTOR:
BEST METAL BUILDINGS LLC
484 NW TURNER AVE
LAKE CITY FL 32055

PROJECT ADDRESS:
PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025

DESIGN DATE: 03/07/2025

REVISION 1: DATE

REVISION 2: DATE

DRAWN BY: JS

SCALE: NTS

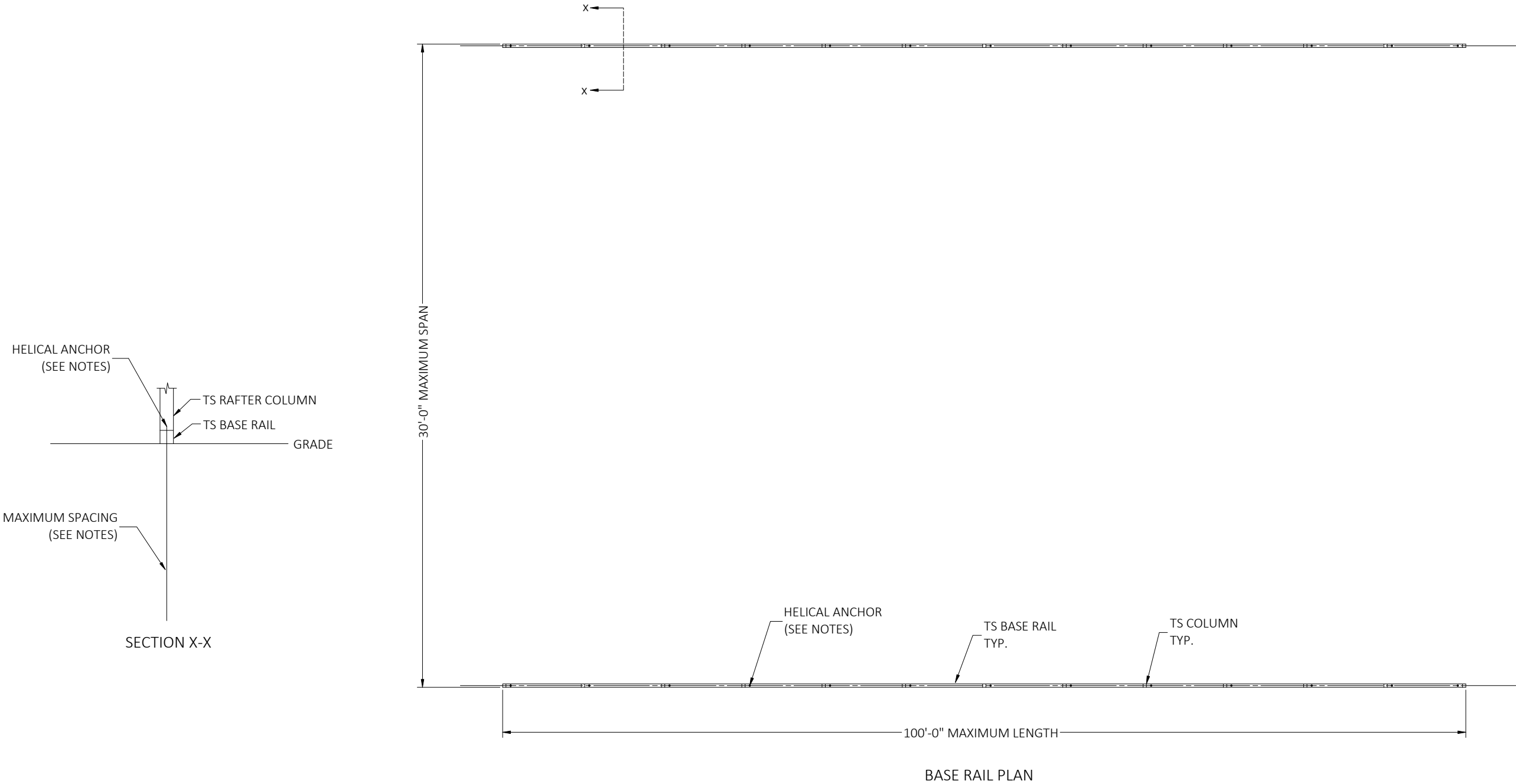
SHEET:

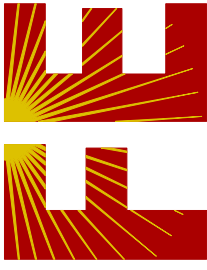
9 OF 10

- HELIX ANCHOR NOTES
1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, CORALS, MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS AND CLAYS, USE MINIMUM (2) 4” HELICES WITH MINIMUM 30” EMBEDMENT EVERY 10’.
 2. FOR MEDIUM TO VERY LOOSE DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 4” HELICES WITH MINIMUM 30” EMBEDMENT EVERY 5’ OR EVERY POST (LEG).
 3. THE UPLIFT/BEARING CAPACITY OF EACH ANCHOR MUST BE EQUAL TO OR GREATER THAN 8.5 KIPS.

OPTIONAL HELICAL ANCHORING ON GRADE DETAIL

This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.





FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com

CA CERT. #30782

PROJECT NO. 2512579

CONTRACTOR: BEST METAL BUILDINGS LLC 484 NW TURNER AVE LAKE CITY FL 32055	PROJECT ADDRESS: PHILPOT 177 SE PITTMAN CT, LAKE CITY, FLORIDA, 32025	DESIGN DATE:	03/07/2025
		REVISION 1:	DATE
		REVISION 2:	DATE
		DRAWN BY:	JS
SCALE:	NTS	SHEET: 10 OF 10	