

### STRUCTURAL DESIGN STANDARD PACKAGE ENCLOSED BUILDING

### MAXIMUM 30'- 0" WIDE X 20'- 0" HEIGHT-BOX EAVE FRAME AND BOW FRAME

2 March 2021 Revision 1 M&A Project No. 19294S/21025S

### Prepared for:

Best Metal Buildings, LLC 484 NW Turner Avenue Lake City, Florida 32055

### Prepared by:

Moore and Associates Engineering and Consulting, Inc.

1009 East Avenue North Augusta, SC 29841

401 South Main Street, Suite 200 Mount Airy, NC 27030

Digitally signed by Wayne S Moore Date: 2021.03.03 12:50:47 -05'00'





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#### INSTALLATION NOTES AND SPECIFICATIONS

- 1. DESIGN IS FOR MAXIMUM 30'-0" WIDE x 20'-0" EAVE HEIGHT ENCLOSED STRUCTURES.
- 2. DESIGN WAS DONE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION, 2015 IBC, AND 2012 IBC.
- 3. DESIGN LOADS ARE AS FOLLOWS:

A) DEAD LOAD

= 1.5 PSF

B) LIVE LOAD

- = 12 PSF
- C) GROUND SNOW LOAD = 10 PSF (UNBALANCED SNOW LOAD DUE TO DRIFTING HAS NOT BEEN EVALUATED).
- 4. LOW ULTIMATE WIND SPEED (LW) = 105 TO 140 MPH (NOMINAL WIND SPEED = 81 TO 108 MPH): MAXIMUM RAFTER/POST AND END COLUMN SPACING = 5.0 FEET.
- 5. HIGH ULTIMATE WIND SPEED (HW) = 141 TO 170 MPH (NOMINAL WIND SPEED = 109 TO 132 MPH) MAXIMUM RAFTER/POST AND END COLUMN SPACING = 4.0 FEET.
- 6. END WALL COLUMNS (POST) ARE EQUIVALENT IN SIZE AND SPACING TO SIDE WALL POSTS (UNLESS NOTED OTHERWISE).
- 7. RISK CATEGORY I.
- 8. WIND EXPOSURE CATEGORY B.
- 9. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2\*x2 1/2\*-14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS (UNLESS NOTED OTHERWISE). WHERE TS 2 1/2\* x 2 1/2\* 14 GAUGE IS SPECIFIED, TS 2 1/4\* x 2 1/4\* 12 GAUGE MAY BE USED AS AN OPTION.
- 10. AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR HAT CHANNELS, AND COLUMNS (INTERIOR DISTANCE OR EDGE DISTANCE) = 10° O.C. (MAX.) FOR LOW WIND AND 6° O.C. (MAX.) FOR HIGH WIND.
- 11. FASTENERS CONSIST OF #12-14×3/4' SELF-DRILLING FASTENER (SDF), USE CONTROL SEAL WASHER WITH EXTERIOR FASTENERS.
  SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 20 FEET OR LESS, AND ROOF SLOPES OF 14' (3:12 PITCH) OR LESS SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY. ROOFING WITH SLOPES LESS THAN 3:12 MUST BE LAP SEALANT.
- 12. ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL AT DR WITHIN 6' OF EACH COLUMN.
- 13. STANDARD GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBAR W/ WELDED NUT × 36" LONG IN SUITABLE SOILS. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED FOR WIND SPEEDS < 145 MPH. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS AND FOR WIND SPEEDS > 145 MPH AS NOTED. COORDINATE WITH LOCAL CODES/ORDINANCES REGARDING MINIMUM LENGTH FOR FROST DEPTH PROTECTION.
- 14. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE: SOIL SITE CLASS = D
  RISK CATEGORY I

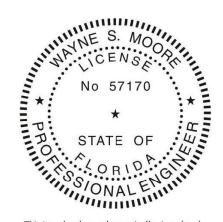
R= 3.25

 $I_E = 1.0$ 

Sps= 2.039 g

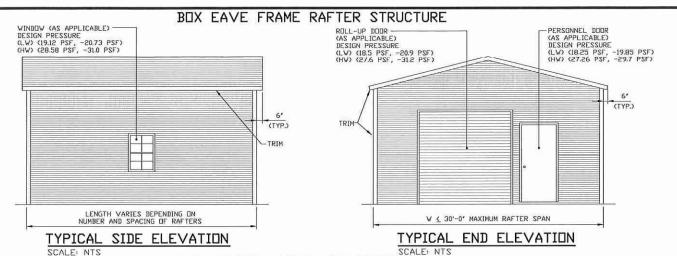
V= CSM

S<sub>DI</sub>= 1.258 g

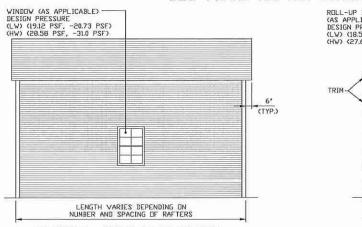


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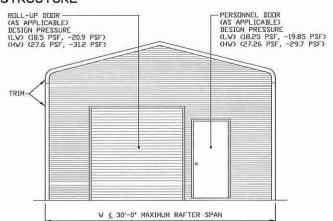
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### BOW FRAME RAFTER STRUCTURE



TYPICAL SIDE ELEVATION
SCALE: NTS

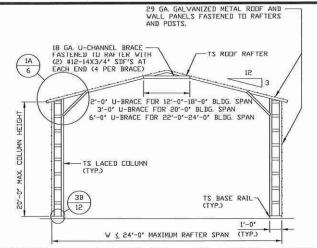


TYPICAL END ELEVATION
SCALE: NTS

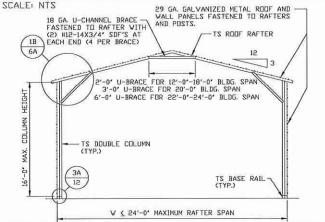


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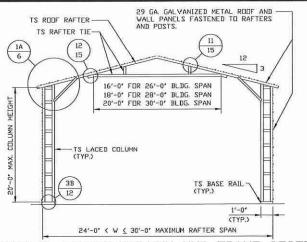
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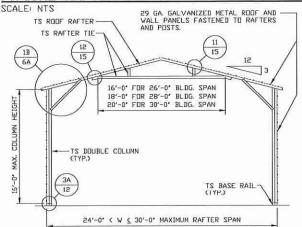
### TYPICAL RAFTER/COLUMN END FRAME SECTION



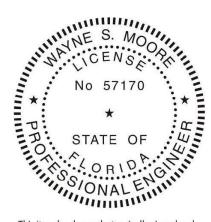
TYPICAL RAFTER/COLUMN END FRAME SECTION



TYPICAL RAFTER/COLUMN END FRAME SECTION



TYPICAL RAFTER/COLUMN END FRAME SECTION



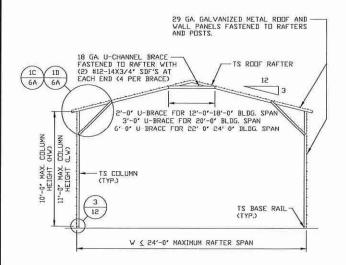
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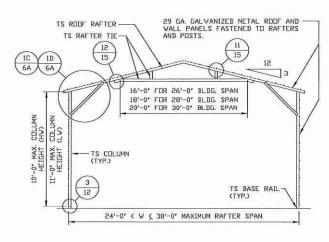
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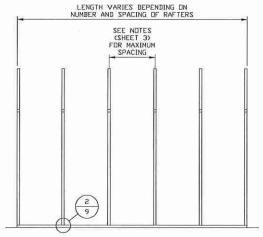
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### TYPICAL RAFTER/COLUMN END FRAME SECTION



TYPICAL RAFTER/COLUMN END FRAME SECTION

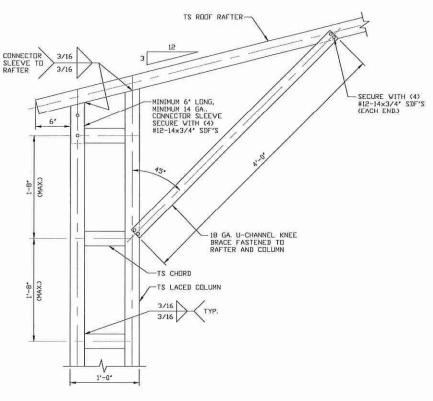


TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION SCALE: NTS

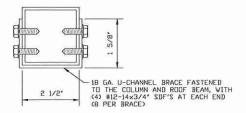


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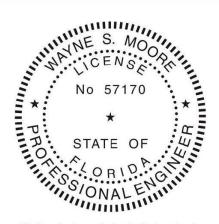
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BOX EAVE RAFTER COLUMN CONNECTION
DETAIL FOR HEIGHTS 16'-0" < TO < 20'-0"

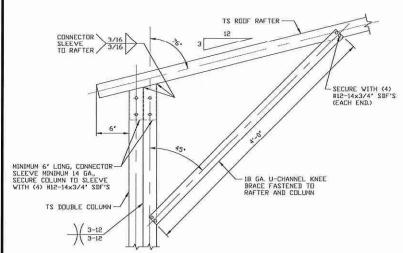


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1B

BOX EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS 10'-0" < TO < 16'-0" (HW)
AND HEIGHTS 11'-0" < TO < 16'-0" (LW)

CONNECTOR
SLEEVE
TO RAFTER

3/16

6.

3

SECURE WITH (4)
HI2-14x3/4' SDF'S

IB GA, U-CHANNEL KNEE
BRACE FASTENED TO
RAFTER AND COLUMN

MINIMUM 14 GA.,
SECURE COLUMN TO SLEEVE
WITH (4) HI2-14x3/4' SDF'S

BOX EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS 8'-0" < TO < 10'-0" (HW)
AND HEIGHTS 10'-0" < TO < 11'-0" (LW)
SCALE: NTS

CONNECTOR 3/16
SLEEVE TO RAFTER 3/16

MINIMUM 6' LONG, CONNECTOR
SLEEVE MINIMUM 14 GA,
SECURE COLUMN TO SLEEVE
VITH (4) #12-14x3/4' SDF'S
TS COLUMN TO SLEEVE
TO RAFTER AND COLUMN

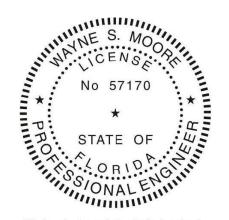
TS COLUMN TO SLEEVE
TS COLUMN TO SLEEVE
TS COLUMN TO SLEEVE
TS COLUMN TO SLEEVE
TS COLUMN TO SUBJECT TO RAFTER AND COLUMN

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS ≤ 8'-0" (HW), AND HEIGHTS ≤ 10'-0" (LW)

18 GA, U-CHANNEL BRACE FASTENED
TO THE COLUMN AND ROOF BEAM, WITH
(4) BIZ-14×3/4' SDF'S AT EACH END
(8) PER BRACE)

1D

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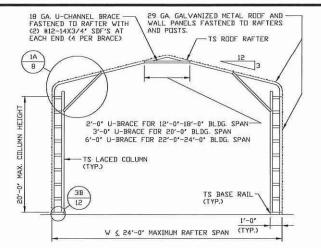
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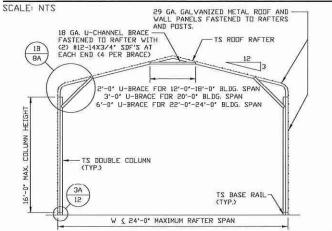
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SHT. 6A

CLIENT: BMB

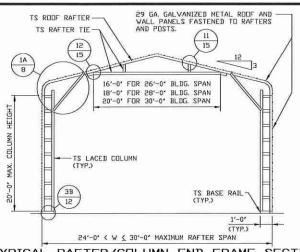


#### TYPICAL RAFTER/COLUMN END FRAME SECTION

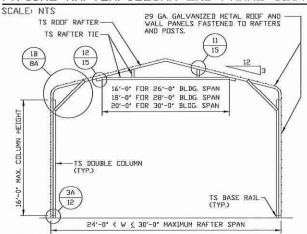


### TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



### TYPICAL RAFTER/COLUMN END FRAME SECTION



TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS

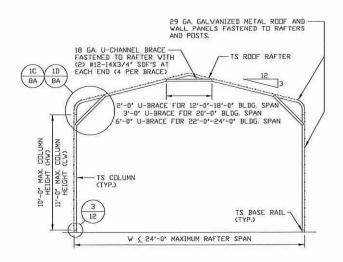
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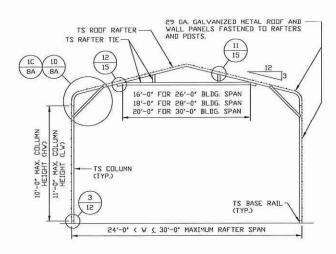
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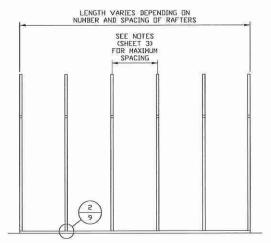
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SCALE: NTS

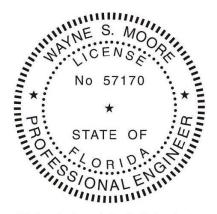


### TYPICAL RAFTER/COLUMN END FRAME SECTION

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TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION SCALE: NTS



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REV. 1

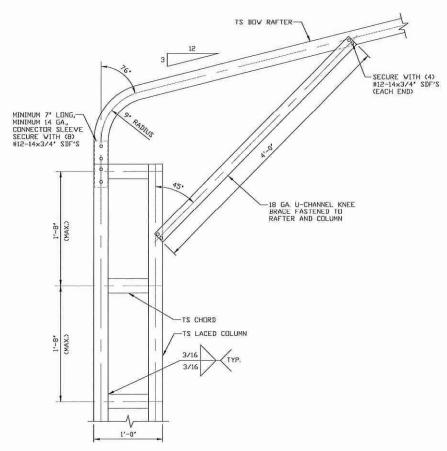
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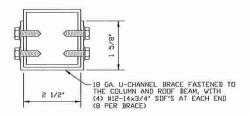
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SHT. 7A

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BOW EAVE RAFTER COLUMN CONNECTION
DETAIL FOR HEIGHTS 16'-0" < TO < 20'-0"

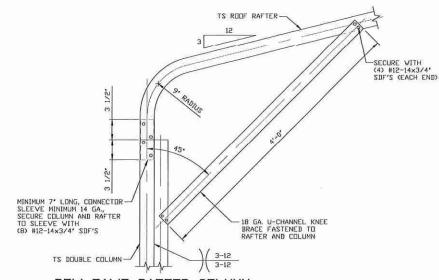


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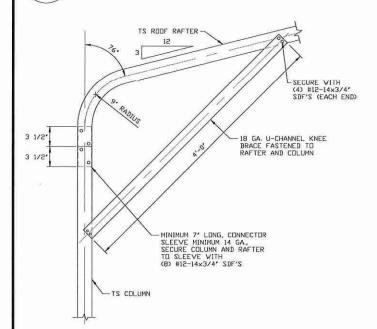
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BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 10'-0" < T□ < 16'-0" (HW) AND HEIGHTS 11'-0" < T□ < 16'-0" (LW)

1B

1C



BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 8'-0" < T□ < 10'-0" (HW) AND HEIGHTS 10'-0" < T□ < 11'-0" (LW)

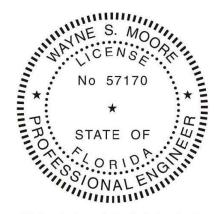
TS ROOF RAFTER S. PADIUS SECURE WITH
(4) #12-14×3/4'
SDF'S (EACH END) 1/5 18 GA. U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN 1/5 MINIMUM 6' LONG, CONNECTOR SLEEVE MINIMUM 14 GA., SECURE COLUMN TO SLEEVE WITH (8) #12-14×3/4' SDF'S m TS COLUMN

BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS < 8'-0" (HW) AND HEIGHTS < 10'-0" (LW)

SCALE: NTS (IIII) 18 GA. U-CHANNEL BRACE FASTENED TO THE COLUMN AND ROOF BEAM, WITH (4) #12-14×3/4\* SDF'S AT EACH END (8 PER BRACE) 2 1/2

1D

BRACE SECTION



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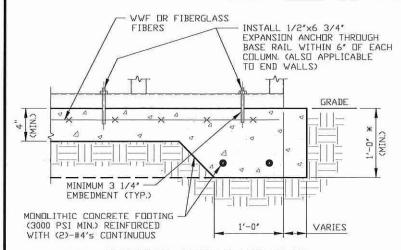
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BEST METAL BUILDINGS, LLC DRAWN BY: JG 484 NW TURNER AVENUE LAKE CITY, FLORIDA 32055 30-0"x20'-0" SP ENCLOSED STRUCTURE CHECKED BY: PDH JOB NO 19294S/ PROJECT MGR: WSM DATE: 3-2-21 SCALE: NTS 210255 DWG. NO SK-3 SHT. 8A REV. 1 CLIENT: BMB

### BASE RAIL ANCHORAGE OPTIONS





### CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

STALF: NTS MINIMUM ANCHOR EDGE DISTANCE IS 4".

\* COORDINATE WITH LOCAL BUILDING CODE AND/OR BUILDING OFFICIAL REGARDING REQUIRED FOOTING DEPTH.

### GENERAL NOTES

NOTE: CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 PSF.

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 PSI 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 OR WEATHER, AND 1 1/2' ELSEWHERE.

#### REINFORCING STEEL

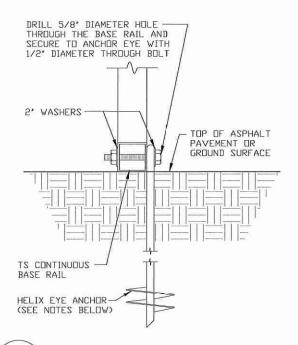
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM AGIS GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

### REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

- REINFORCEMENT IS BENT COLD.
  THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
  REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT
- BE FIELD BENT.

#### HELIX ANCHOR NOTES:

- FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT
- 2. FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
- 3. FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS, AND CLAYS USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
- 4. FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL, USE MINIMUM (2) 6" HELICES WITH MINIMUM
- 5. FOR VERY LODSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT.

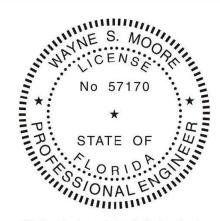




### GROUND BASE HELIX ANCHORAGE

SCALE: NTS (CAN BE USED FOR ASPHALT)

\* COORDINATE WITH LOCAL BUILDING CODE AND/OR BUILDING OFFICIAL REGARDING REQUIRED FOOTING DEPTH (LENGTH).



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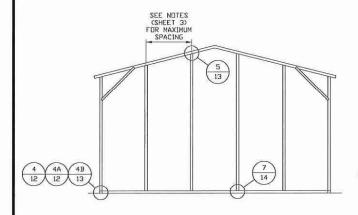
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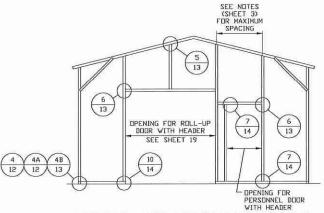
DRAWN BY: JG CHECKED BY: PDH	4	ST METAL BUILDINGS, LLC 184 NW TURNER AVENUE AKE CITY, FLORIDA 32055 0'-0" SP ENCLOSED STRUCTURE		
PROJECT MGR: WSM	DATE: 3-2-21	SCALE: NTS		NO: 19294S/
CLIENT: BMB	SHT. 9	DWG. NO SK-	-3	REV.: 1

### TYPICAL END WALL AND SIDE WALL FRAMING SECTIONS (BOX EAVE)



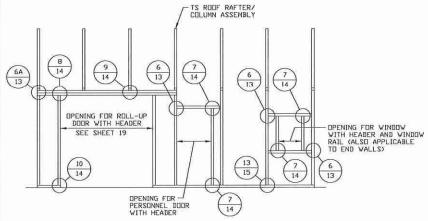
### TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION

SCALE: NTS



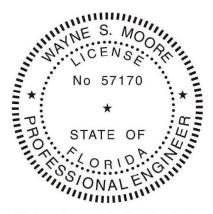
TYPICAL BOX EAVE RAFTER END WALL OPENINGS FRAMING SECTION

SCALE: NTS



### TYPICAL BOX EAVE RAFTER SIDE WALL OPENINGS FRAMING SECTION

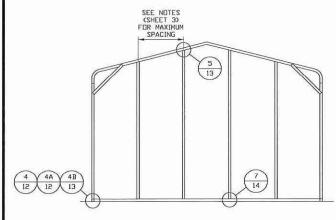
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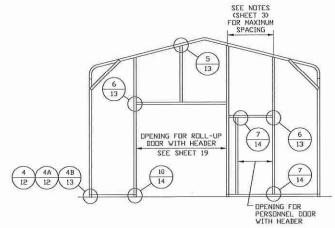
MOORE AND ASSOCIATES	DRAWN BY: JG	BEST METAL BUILDINGS, LLC 484 NW TURNER AVENUE				
ENGINEERING AND CONSULTING, INC.	CHECKED BY: PDH		AKE CITY, FLO 0'-0" SP ENCLOS			
THIS DOCUMENT IS THE PROPERTY OF MODRE AND ASSOCIATES ENGINEERING AND	PROJECT MGR: WSM	DATE: 3-2-21	SCALE: NTS	JDB 2102	ND: 19294S/ 5S	
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### TYPICAL END WALL AND SIDE WALL FRAMING SECTIONS (BOW EAVE)



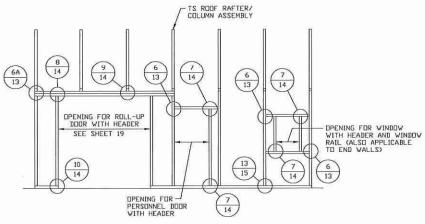


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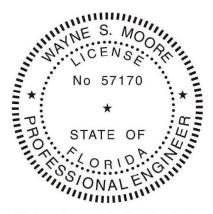
TYPICAL BOW RAFTER END WALL OPENINGS FRAMING SECTION

SCALE: NTS



TYPICAL BOW RAFTER SIDE WALL OPENINGS FRAMING SECTION

SCALE: NTS



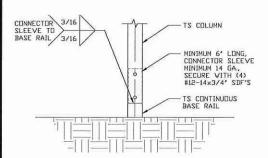
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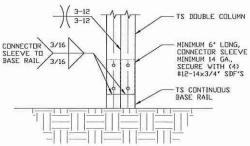
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PROJECT MGR: WSM	DATE: 3-2-21	SCALE: NTS		NO: 19294S/
CLIENT, DMD	SHT. 11	DWG. NO. SK-	-3	REV. 1

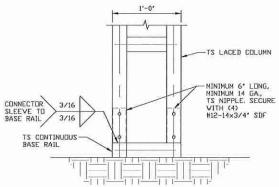


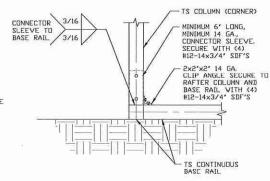


3 RAFTER COLUMN/BASE RAIL
CONNECTION DETAIL

SCALE: NTS

RAFTER COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS



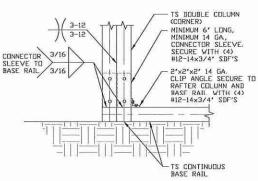


3B CONNECTION DETAIL

SCALE: NTS

4 END COLUMN/BASE RAIL CONNECTION DETAIL

SCALE: NTS



END COLUMN/BASE RAIL CONNECTION DETAIL

SCALE: NTS

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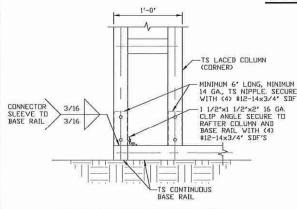
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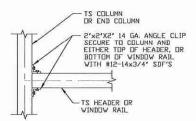
DRAWN BY: JG CHECKED BY: PDH	4	484 NW TURNER AVENUE LAKE CITY, FLORIDA 32055 30-0"x20'-0" SP ENCLOSED STRUCTURE			
PROJECT MGR: WSM	DATE: 3-2-21	SCALE: NTS	JDB 2102	ND: 19294S/	
CLIENT: BMB	SHT. 12	DWG. NO SK-	-3	REV. 1	



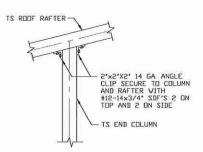
END COLUMN/BASE RAIL CONNECTION DETAIL 4B

SCALE: NTS

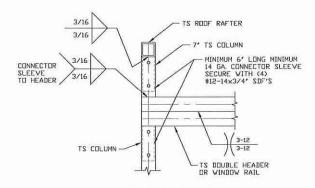
6



COLUMN OR WINDOW RAIL/GIRT TO POST CONNECTION DETAIL SCALE: NTS



END COLUMN/RAFTER CONNECTION DETAIL 5 SCALE: NTS



COLUMN OR WINDOW RAIL TO POST CONNECTION DETAIL 6A SCALE: NTS

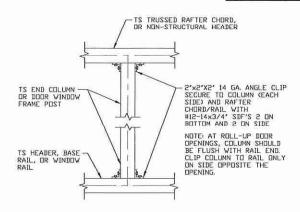
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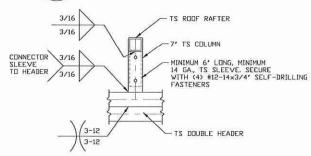
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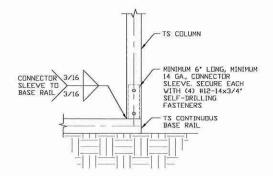
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CLIENT, DMD	SHT. 13	DWG. NO SK-	-3	REV. 1		



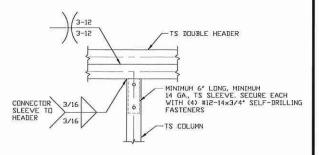
# 7 COLUMN TO WINDOW RAIL CONNECTION DETAIL SCALE: NTS



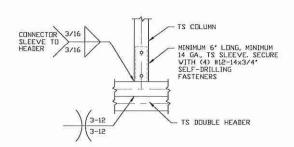
# 9 COLUMN/DOUBLE HEADER CONNECTION DETAIL SCALE: NTS



10 COLUMN/BASE RAIL CONNECTION DETAIL SCALE: NTS

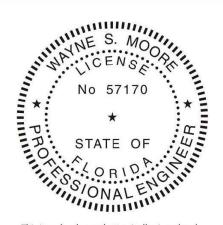


8 DOUBLE HEADER/COLUMN CONNECTION DETAIL
SCALE: NTS



9A COLUMN/DOUBLE HEADER CONNECTION DETAIL

SCALE: NTS



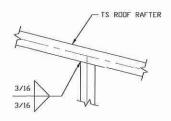
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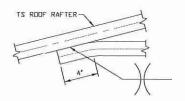
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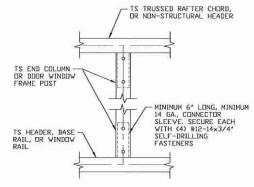
CLIENT: BMB	SHT. 14	DWG, NO SK-	-3	REV. 1
PROJECT MGR: WSM	DATE: 3-2-21	SCALE: NTS	JDB 2102	NO: 19294S/ 5S
CHECKED BY: PDH		AKE CITY, FLO 0'-0" SP ENCLOS		
DRAWN BY: JG	4	81 METAL BUII 84 NW TURNEI	RAVEN	NÚE





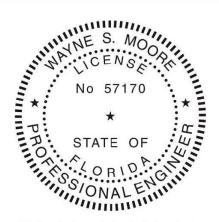
RAFTER TO CHORD CONNECTION DETAIL 11 SCALE: NTS

COLLAR TIE CONNECTION DETAIL 12 SCALE: NTS



COLUMN TO HEADER OR BASE RAIL CONNECTION DETAIL 13

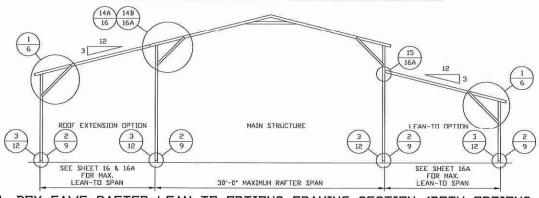
SCALE: NTS



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### BOX EAVE RAFTER LEAN-TO OPTIONS



### TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

SCALE: NTS

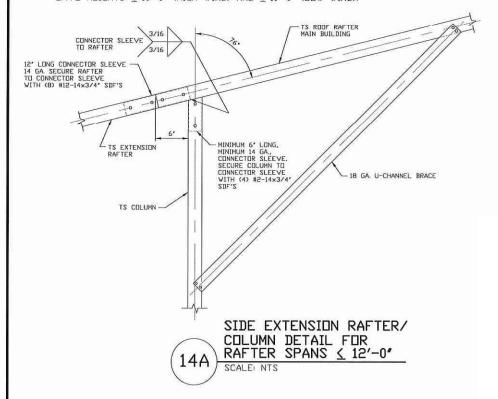
(MAXIMUM WIDTH OF SINGLE MEMBER ROOF EXTENSION LEAN-TO IS 12'-0'.)

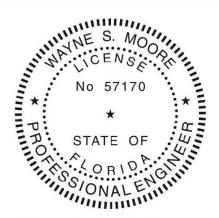
(MAXIMUM WIDTH OF DOUBLE MEMBER ROOF EXTENSION LEAN-TO IS 16'-0'.)

MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE LACED COLUMNS FOR

MAIN BUILDING COLUMNS WITH LEAN-TO DR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE LACED COLUMNS FOR EAVE HEIGHTS  $16'-0'' < TO \le 20'-0''$ .

MAIN BUILDING COLUMNS WITH LEAN-TO DR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE DOUBLE COLUMNS FOR EAVE HEIGHTS  $10'-0'' < TO \le 16'-0'' < TO \le 10'-0'' < TO < TO \le 10'-0'' < TO \le 10$ 



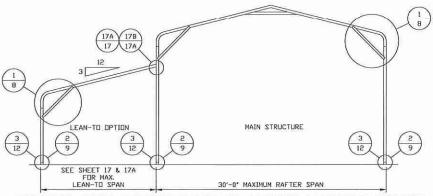


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### BOX EAVE RAFTER LEAN-TO OPTIONS TS ROOF RAFTER MAIN BUILDING CONNECTOR SLEEVE TO RAFTER 3/16 12" LONG CONNECTOR SLEEVE 14 GA. SECURE RAFTER TO CONNECTOR SLEEVE WITH (8) #12-14×3/4" SDF'S MINIMUM 6' LONG, MINIMUM 14 GA. CONNECTOR SLEEVE. SECURE COLUMN TO CONNECTOR SLEEVE WITH (4) #12-14×3/4'SDF'S TS DOUBLE EXTENSION RAFTER 18 GA. U-CHANNEL BRACE 2'x2'X2' 14 GA. ANGLE CLIP SECURE TO COLUMN AND RAFTER CHORD/RAIL WITH (4) #12-14x3/4' SDF'S TS COLUMN SIDE EXTENSION RAFTER/ COLUMN DETAIL FOR RAFTER SPANS 12'-0" < L ≤ 16'-0" 14B MINIMUM 6' LONG, MINIMUM 14 GA., CONNECTOR SLEEVE. SECURE RAFTER TO CONNECTOR SLEEVE WITH (4) #12-14×3/4' SDF'S TS RAFTER CONNECTOR SLEEVE TO COLUMN 3/16 - TS COLUMN LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS ≤ 12'-0" 15A SCALE: NTS 2'x2'X2' 14 GA. ANGLE CLIP SECURE TO COLUMN AND RAFTER CHORD/RAIL WITH (4) #12-14x3/4' SDF'S TS DOUBLE RAFTER This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date. TS COLUMN Printed copies of this document are not LEAN-TO RAFTER TO RAFTER considered signed and sealed and the COLUMN CONNECTION DETAIL signature must be verified on any electronic FOR RAFTER SPANS 12'-0" < TO < 16'-0" SCALE: NTS BEST METAL BUILDINGS, LLC MOORE AND ASSOCIATES DRAWN BY: JG 484 NW TURNER AVENUE LAKE CITY, FLORIDA 32055 ENGINEERING AND CONSULTING, INC. 30-0"x20'-0" SP ENCLOSED STRUCTURE CHECKED BY: PDH JDB NO 19294S/ THIS DOCUMENT IS THE PROPERTY OF MODRE AND ASSOCIATES ENGINEERING AND CONSULTING. THE UNAUTHORIZED REPRODUCTION, COPYING, OR OTHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION. PROJECT MGR: WSM DATE: 3-2-21 SCALE: NTS 210255 SHT. 16A DWG. NO SK-3 REV. 1 CLIENT: BMB

### BOW EAVE RAFTER LEAN-TO OPTIONS



### TYPICAL BOW RAFTER LEAN-TO OPTION FRAMING SECTION

SCALE: NTS

(MAXIMUM WIDTH DF SINGLE MEMBER ROOF EXTENSION LEAN-TO IS 12'-0'.)

(MAXIMUM WIDTH DF DOUBLE MEMBER ROOF EXTENSION LEAN-TO IS 16'-0'.)

MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED

TO BE LACED COLUMNS FOR EAVE HEIGHTS 16'-0' < TO < 20'-0'.

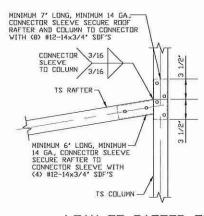
MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED

TO BE DOUBLE COLUMNS FOR EAVE HEIGHTS 10'-0' < TO < 16'-0' (HIGH WIND) AND

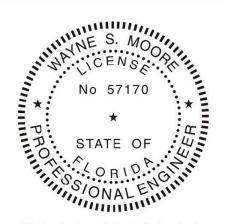
11'-0' < TO < 16'-0' (LOW WIND).

MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED

TO BE SINGLE COLUMNS FOR EAVE HEIGHTS < 10'-0' (HIGH WIND) AND < 11'-0' (LOW WIND).



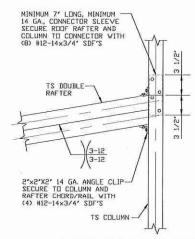
LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS & 12'-0"



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MOORE AND ASSOCIATES	DRAWN BY: JG		ST METAL BUIL 184 NW TURNER AKE CITY, FLO	RAVEN	<b>VÚE</b>
ENGINEERING AND CONSULTING, INC.	CHECKED BY: PDH		0'-0" SP ENCLOS		
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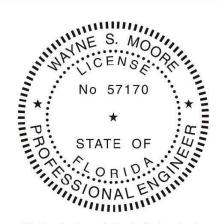
### BOW EAVE RAFTER LEAN-TO OPTIONS



LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS 12'-0" < TO ≤ 16'-0"

SCALE: NTS

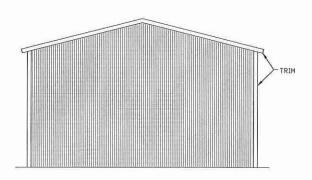
17B



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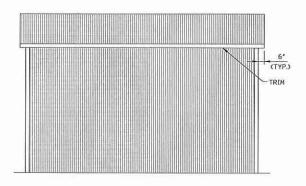
MOORE AND ASSOCIATES	DRAWN BY: JG	BEST METAL BUILDINGS, LLC 484 NW TURNER AVENUE				
ENGINEERING AND CONSULTING, INC.	CHECKED BY: PDH		KE CITY, FLOI -0" SP ENCLOS			
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### BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



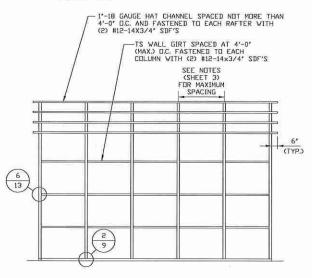
### TYPICAL END ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS



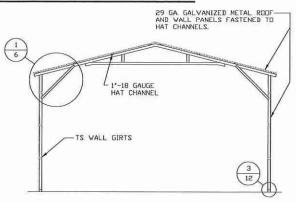
### TYPICAL SIDE ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS



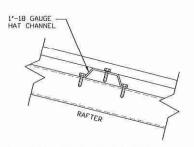
## TYPICAL FRAMING SECTION VERTICAL ROOF/SIDING OPTION

SCALE: NTS



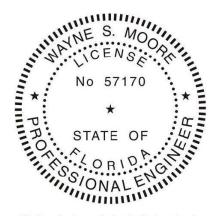
### TYPICAL SECTION VERTICAL ROOF/SIDING OPTION

SCALE: NTS



### PANEL ATTACHMENT

(ALTERNATE FOR VERTICAL ROOF PANELS) SCALE: NTS



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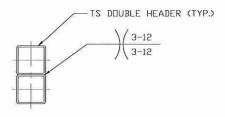
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CLIENT: BMB	CLIENT: BMB SHT. 18		DWG. NO SK-3				
PROJECT MGR: WSM	DATE: 3-2-21	SCALE: NTS	2102 2102	ND: 19294S/			
CHECKED BY: PDH		AKE CITY, FLO D'-0" SP ENCLOS					
DRAWN BY: JG	484 NW TURNER AVENUE						

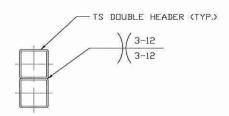
### **HEADER OPTIONS**

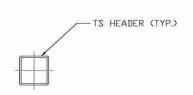
### SIDE WALL HEADER OPTION



HEADER DETAIL FOR LENGTHS < 16'-0"

### END WALL HEADER OPTIONS

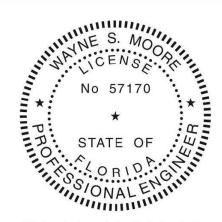




HEADER DETAIL FOR LENGTHS 14'-0" < T□ < 16'-0" SCALE: NTS

HEADER DETAIL FOR LENGTHS ≤ 14'-0"

SCALE: NTS



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BE S	JBJECT	TO LE	GAL	ACTION						

DRAWN BYI JG	BEST METAL BUILDINGS, LLC 484 NW TURNER AVENUE
CHECKED BY PDH	LAKE CITY, FLORIDA 32055 30-0"x20-0" SP ENCLOSED STRUCTURE
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