



**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.

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Digitally signed
by Wayne S
Moore
Date: 2021.03.03
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	CHECKED BY: PDH			
	PROJECT MGR: WSM	DATE: 3-2-21	SCALE: NTS	JOB NO: 19294S/ 21025S
CLIENT: BMB	SHT. 1	DWG. NO: SK-3	REV: 1	

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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 #12-14x3/4" 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 OR WITHIN 6" OF EACH COLUMN.
13. STANDARD GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBAR W/ WELDED NUT x 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

$R = 3.25$ $I_E = 1.0$
 $S_{DS} = 2.039 \text{ g}$ $V = C_s W$
 $S_{DI} = 1.258 \text{ g}$



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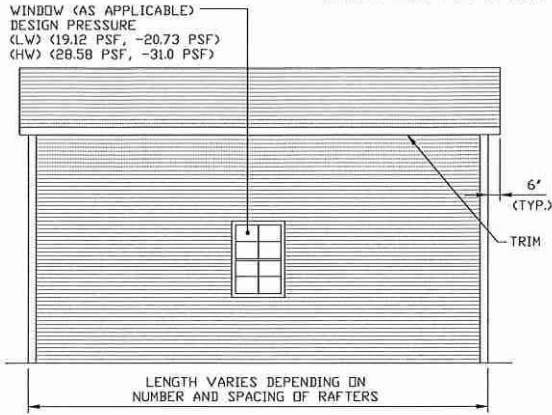
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DWG. NO: SK-3

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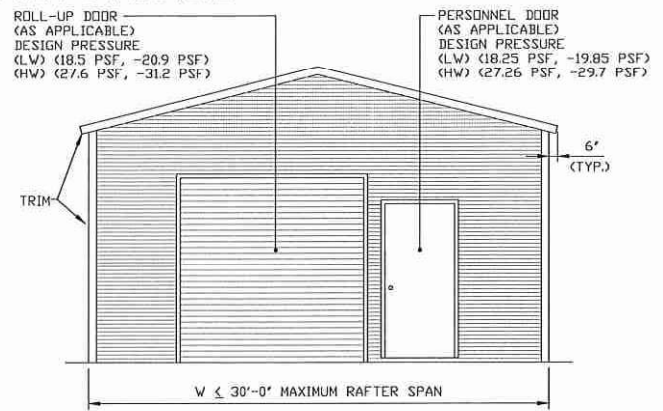
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BOX EAVE FRAME RAFTER STRUCTURE



TYPICAL SIDE ELEVATION

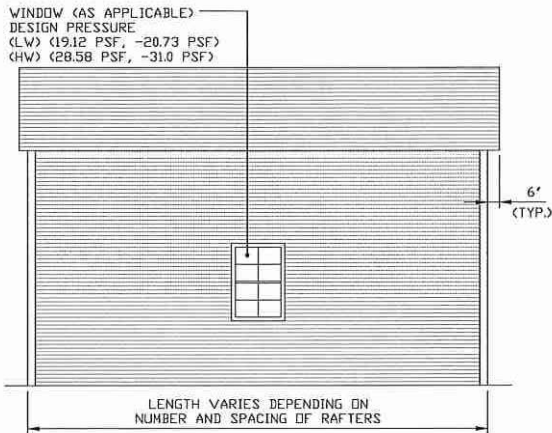
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TYPICAL END ELEVATION

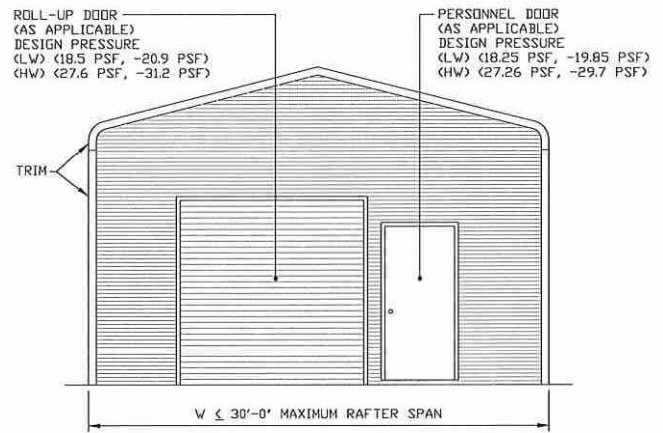
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BOX FRAME RAFTER STRUCTURE



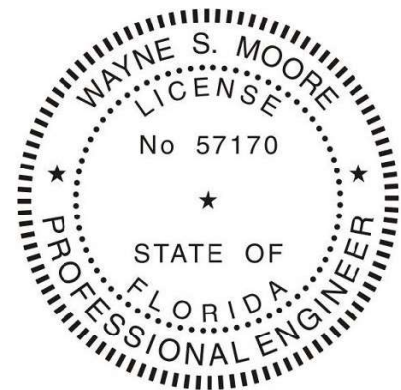
TYPICAL SIDE ELEVATION

SCALE: NTS



TYPICAL END ELEVATION

SCALE: NTS



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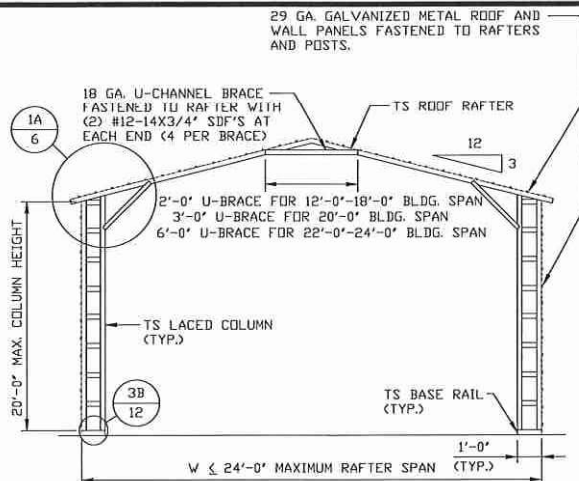
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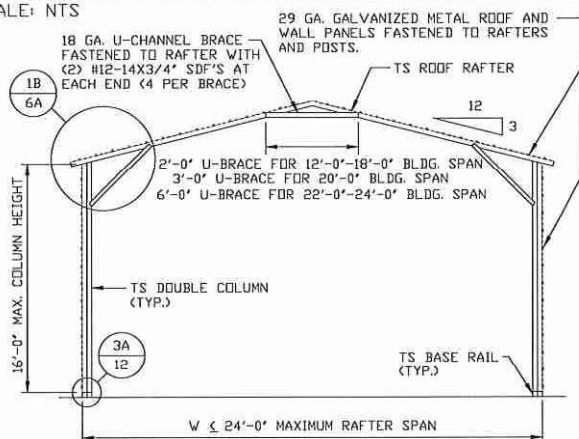
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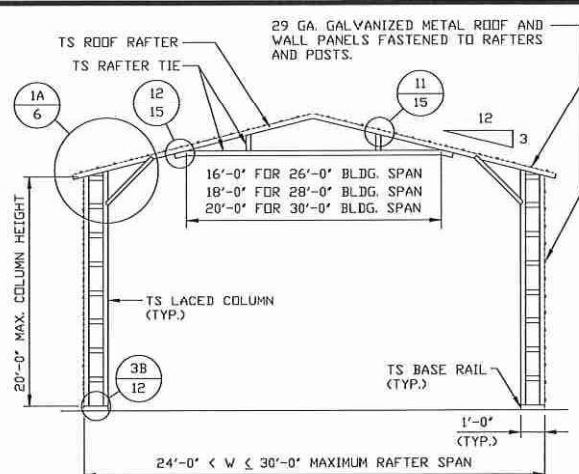
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



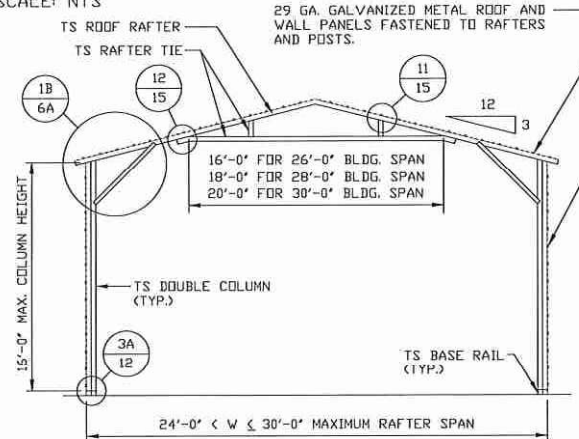
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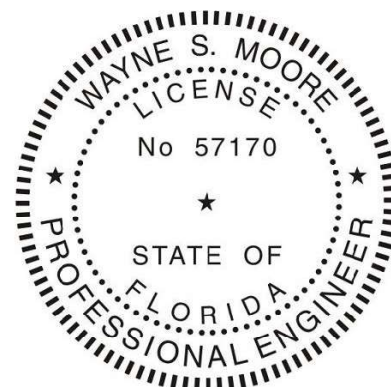
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION

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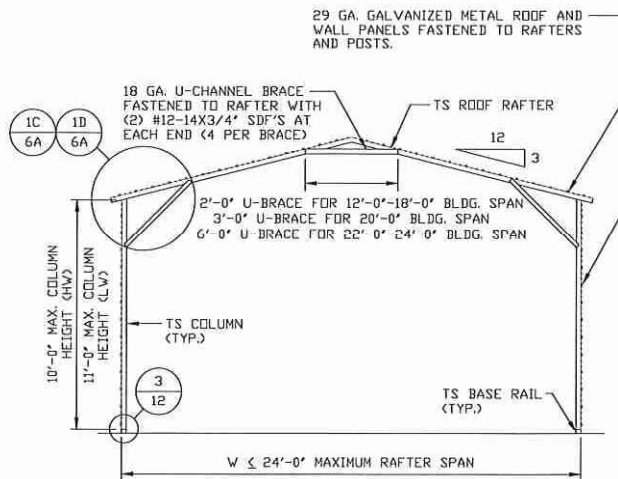
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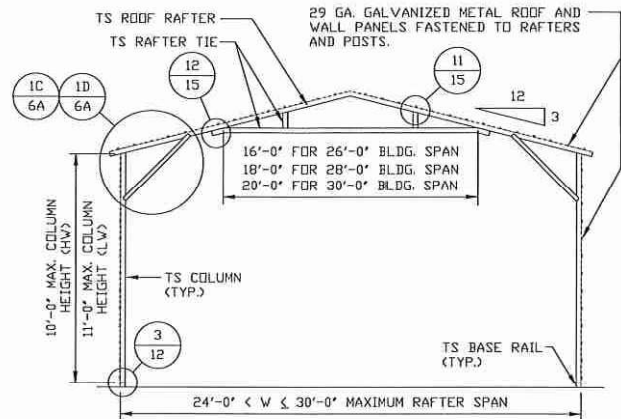
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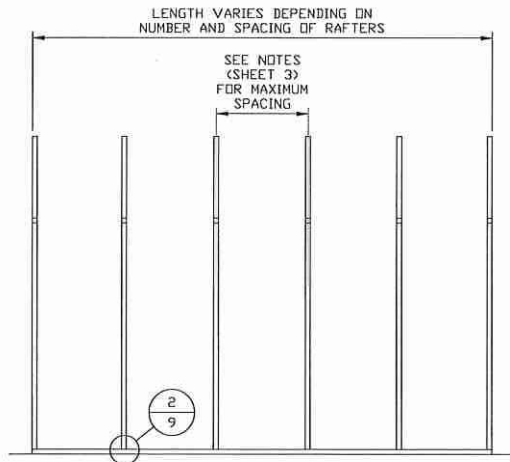
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TYPICAL RAFTER/COLUMN END FRAME SECTION
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TYPICAL RAFTER/COLUMN END FRAME SECTION
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TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION
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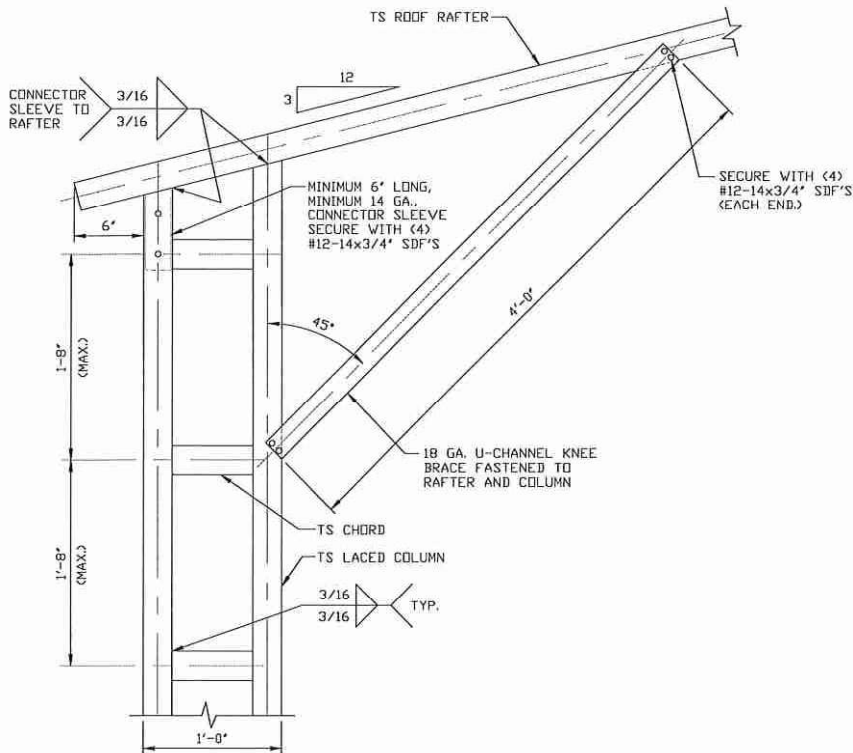
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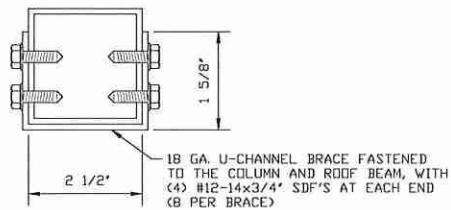
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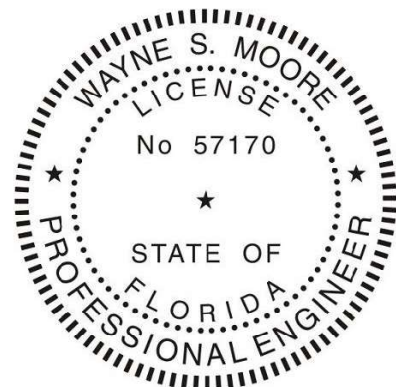
**BOX EAVE RAFTER COLUMN CONNECTION
DETAIL FOR HEIGHTS 16'-0" < TO ≤ 20'-0"**

SCALE: NTS



BRACE SECTION

SCALE: NTS



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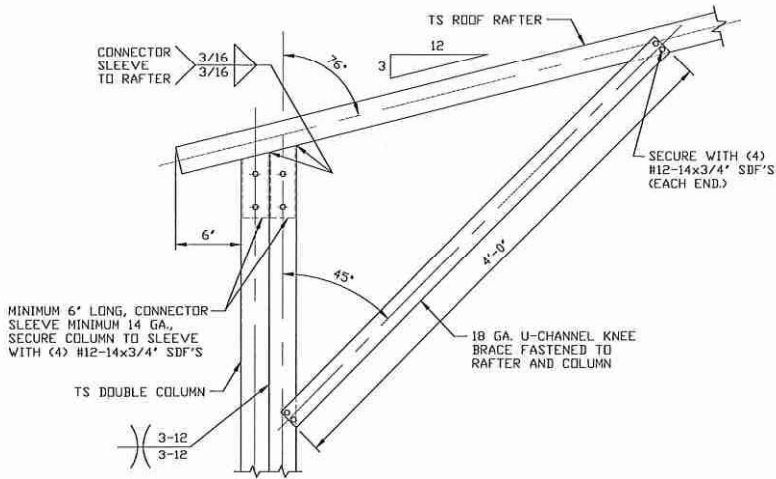
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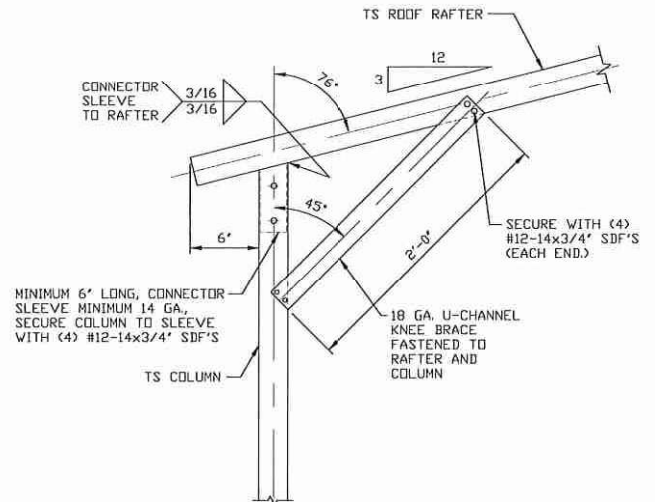
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**BOX EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS 10'-0" < TO ≤ 16'-0" (HW)
AND HEIGHTS 11'-0" < TO ≤ 16'-0" (LW)**

1B

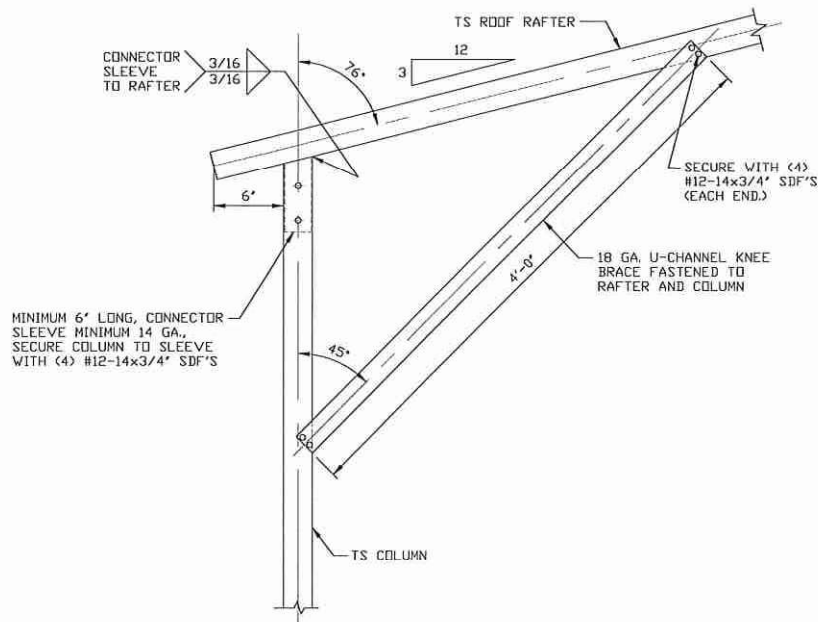
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**BOX EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS ≤ 8'-0" (HW),
AND HEIGHTS ≤ 10'-0" (LW)**

1D

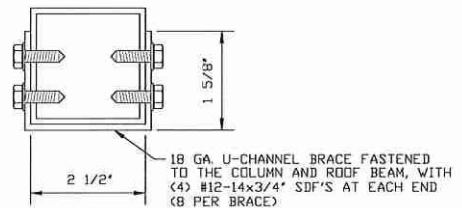
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**BOX EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS 8'-0" < TO ≤ 10'-0" (HW)
AND HEIGHTS 10'-0" < TO ≤ 11'-0" (LW)**

1C

SCALE: NTS



BRACE SECTION

SCALE: NTS



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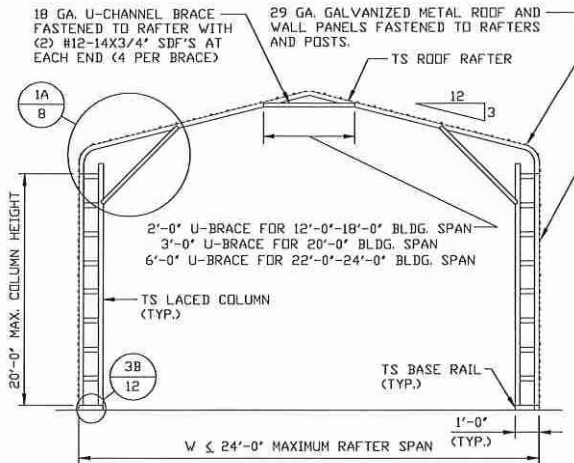
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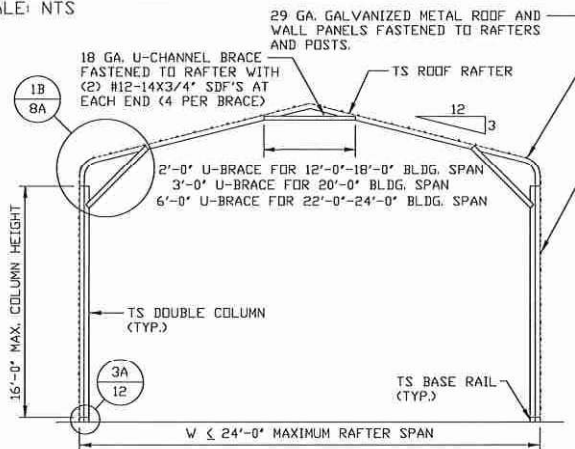
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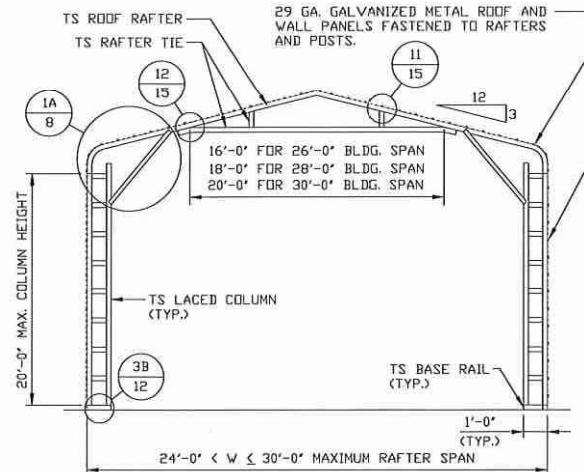
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



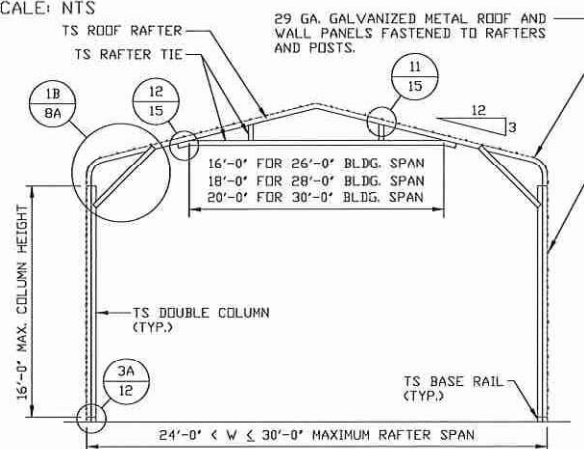
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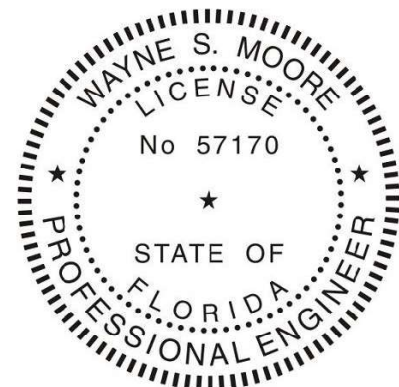
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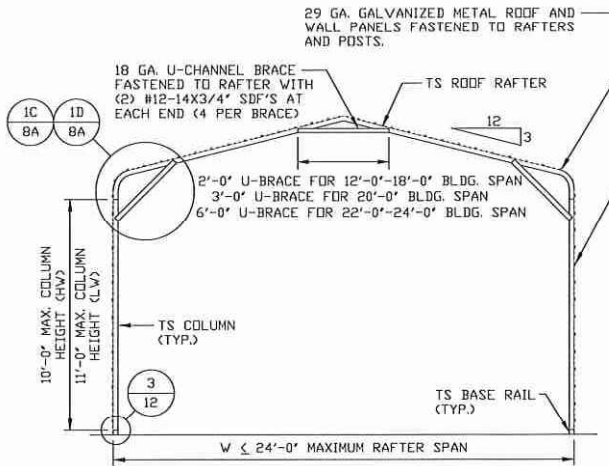
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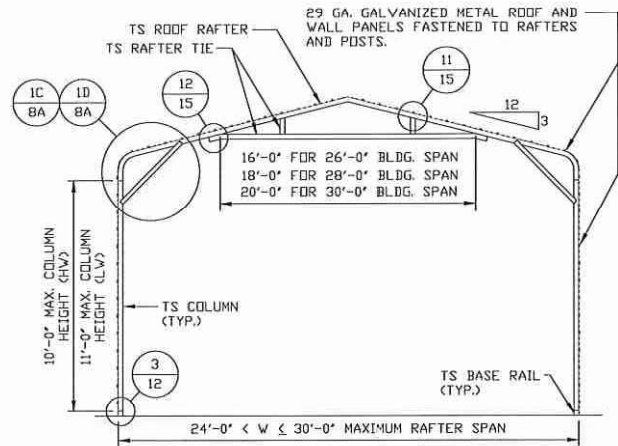
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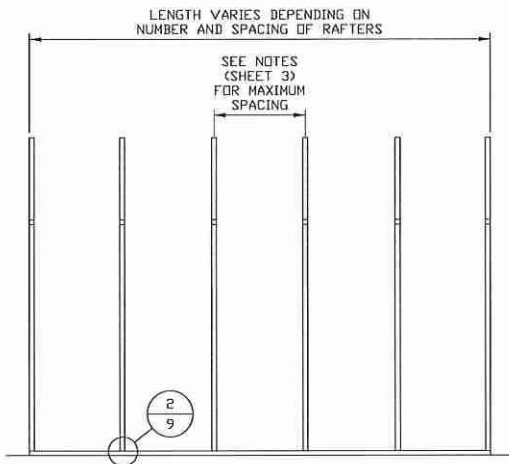
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TYPICAL RAFTER/COLUMN END FRAME SECTION
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TYPICAL RAFTER/COLUMN END FRAME SECTION
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TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION
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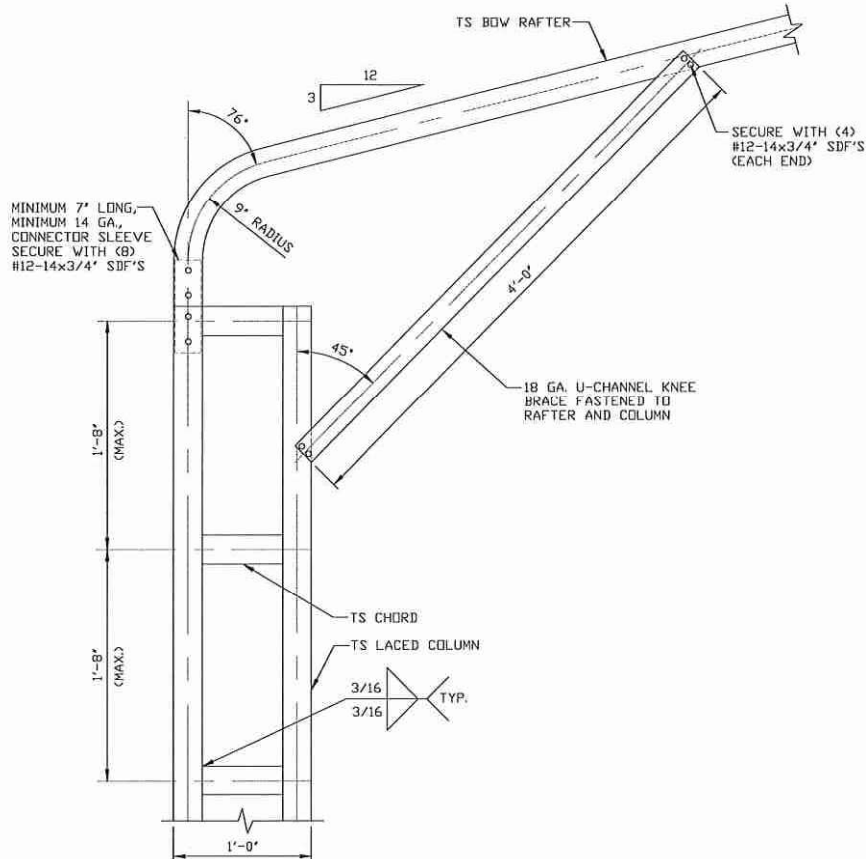
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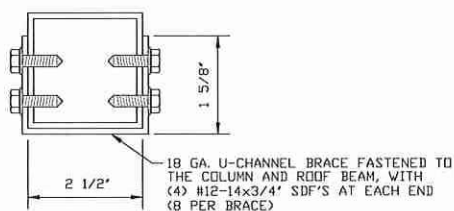
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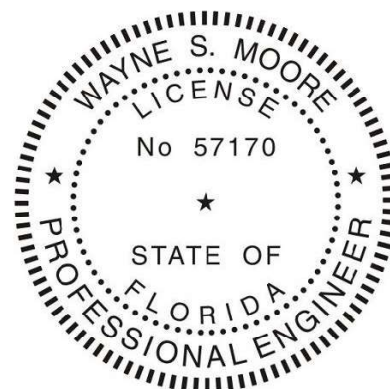
BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 16'-0" < TO ≤ 20'-0"

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BRACE SECTION

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30'-0"x20'-0" SP ENCLOSED STRUCTURE

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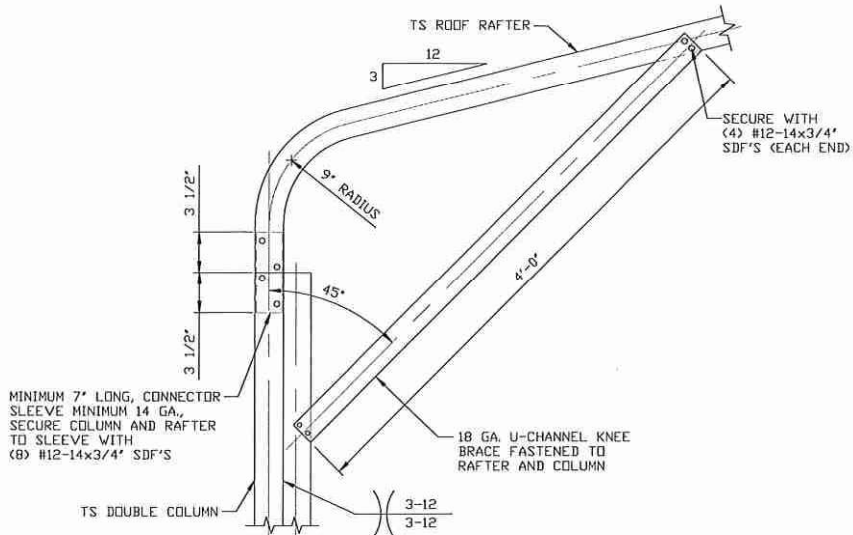
SCALE: NTS

DWG. NO: SK-3

JOB NO: 19294S/
21025S

REV: 1

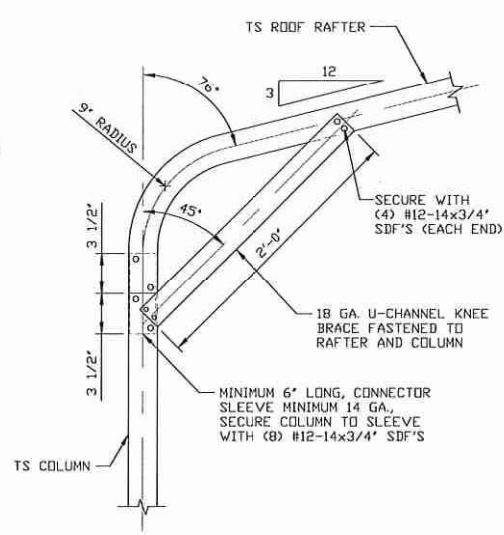
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**BOW EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS 10'-0" < TO ≤ 16'-0" (HW)
AND HEIGHTS 11'-0" < TO ≤ 16'-0" (LW)**

1B

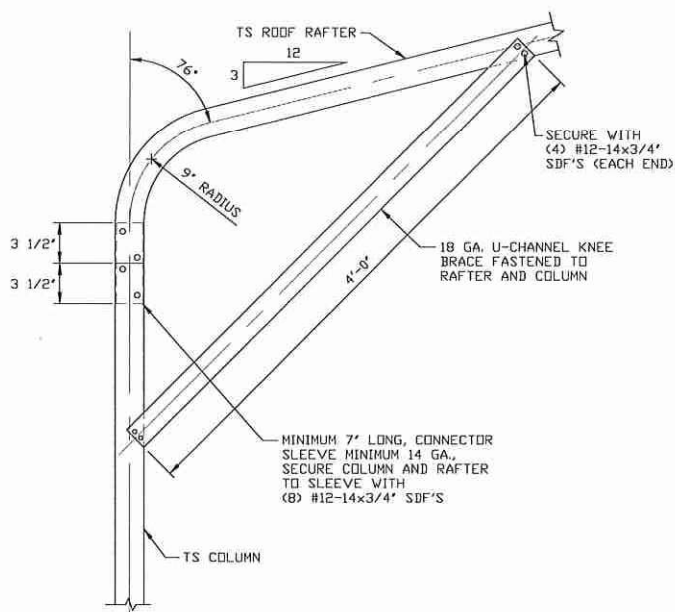
SCALE: NTS



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

1D

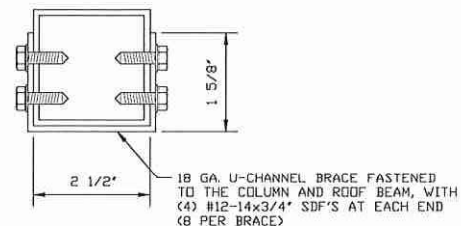
SCALE: NTS



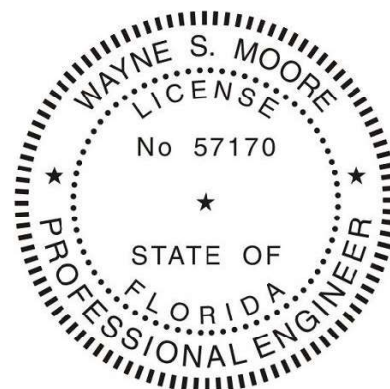
**BOW EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS 8'-0" < TO ≤ 10'-0" (HW)
AND HEIGHTS 10'-0" < TO ≤ 11'-0" (LW)**

1C

SCALE: NTS



BRACE SECTION
SCALE: NTS



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DRAWN BY: JG

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: BMB

**BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
30-0"x20'-0" SP ENCLOSED STRUCTURE**

DATE: 3-2-21

SHT. 8A

SCALE: NTS

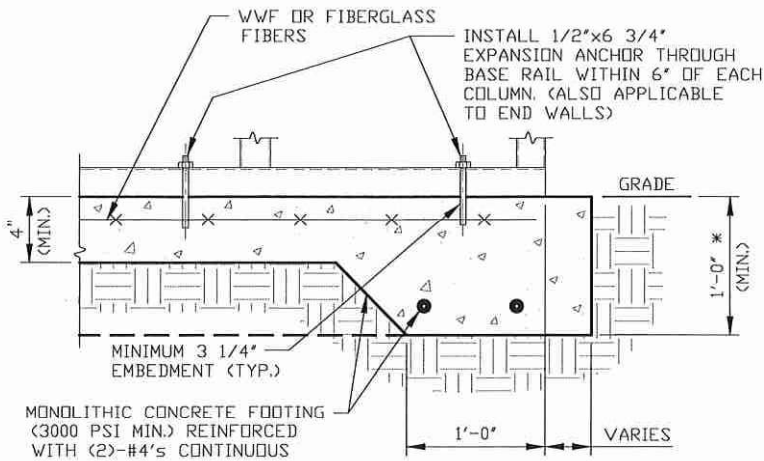
DWG. NO: SK-3

**JOB NO: 19294S/
21025S**

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BASE RAIL ANCHORAGE OPTIONS



CONCRETE MONOLITHIC SLAB
BASE RAIL ANCHORAGE

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:

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:

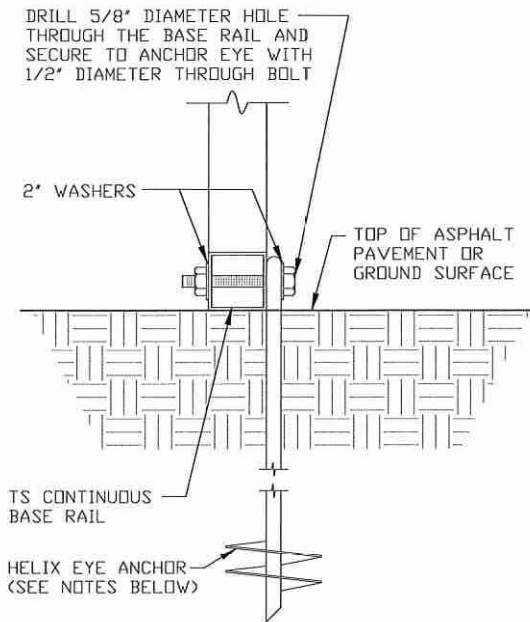
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

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

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

HELIX ANCHOR NOTES:

1. 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 50" EMBEDMENT.
5. FOR VERY LOOSE 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: INTS (CAN BE USED FOR ASPHALT)

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



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DRAWN BY: JG

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: BMB

BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
10'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SHT. 9

SCALE: NTS

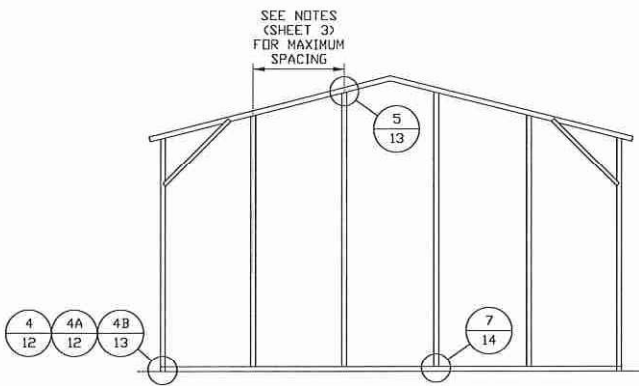
DWG. NO: SK-3

JOB NO: 19294S/
21025S

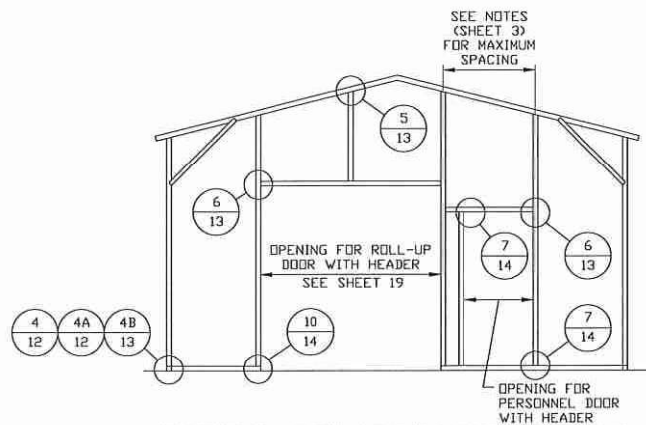
REV. 1

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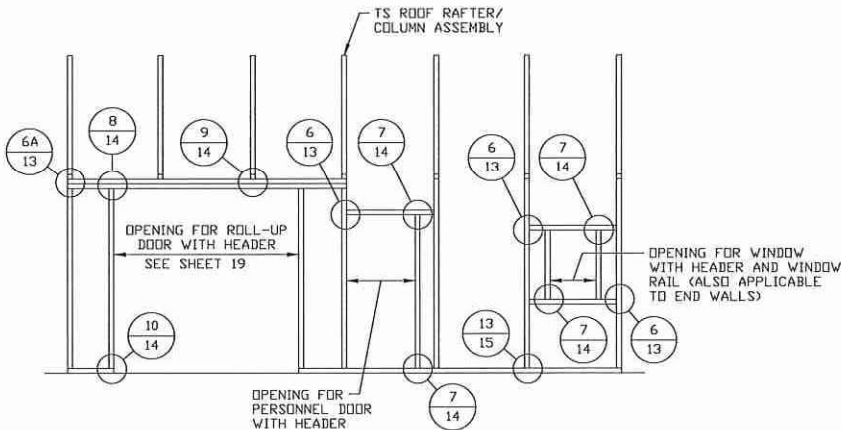
TYPICAL END WALL AND SIDE WALL FRAMING SECTIONS (BOX EAVE)



**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**
SCALE: NTS



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PROJECT MGR: WSM

CLIENT: BMB

BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SHT. 10

SCALE: NTS

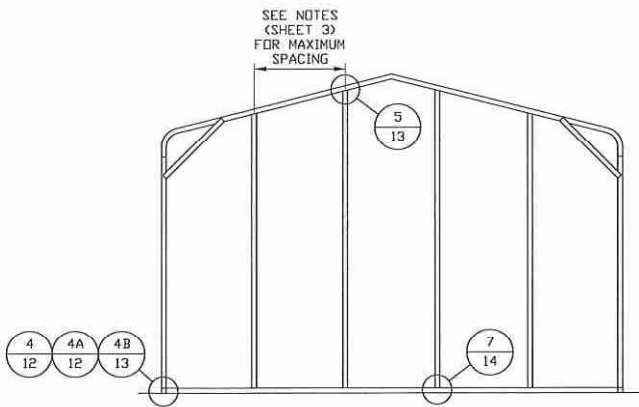
DWG. NO: SK-3

**JOB NO: 19294S/
21025S**

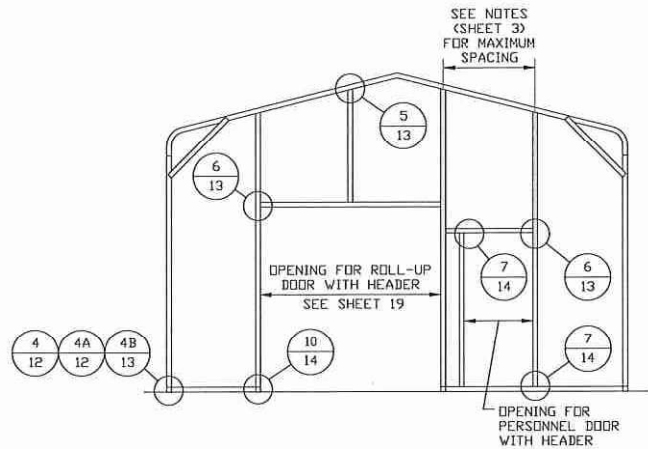
REV: 1

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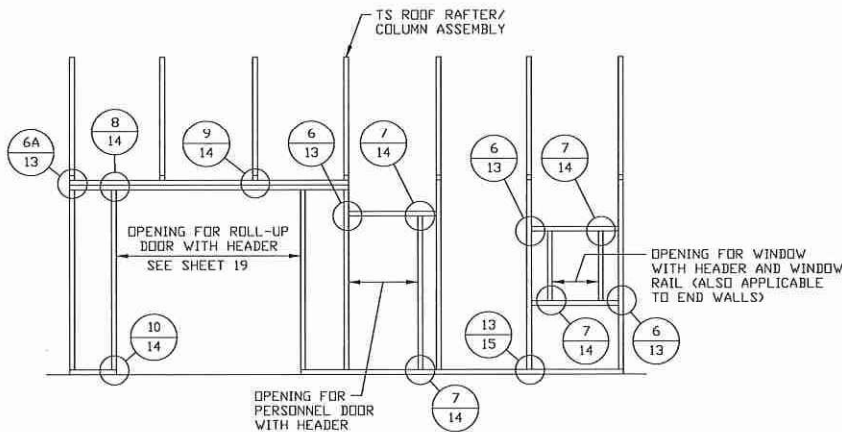
TYPICAL END WALL AND SIDE WALL FRAMING SECTIONS (BOW EAVE)



**TYPICAL BOW RAFTER
END WALL FRAMING SECTION**
SCALE: NTS



**TYPICAL BOW RAFTER END
WALL OPENINGS FRAMING SECTION**
SCALE: NTS



**TYPICAL BOW RAFTER SIDE
WALL OPENINGS FRAMING SECTION**
SCALE: NTS



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PROJECT MGR: WSM

CLIENT: BMB

BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SCALE: NTS

DWG. NO: SK-3

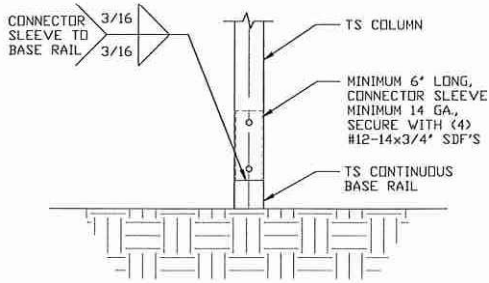
**JOB NO: 19294S/
21025S**

SHT. 11

REV: 1

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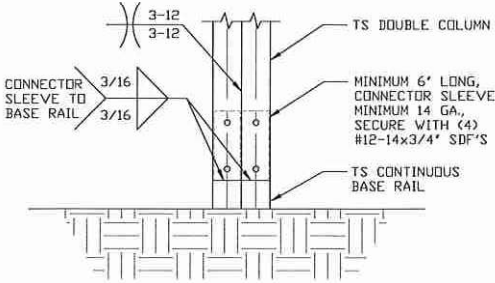
CONNECTION DETAILS



3

RAFTER COLUMN/BASE RAIL CONNECTION DETAIL

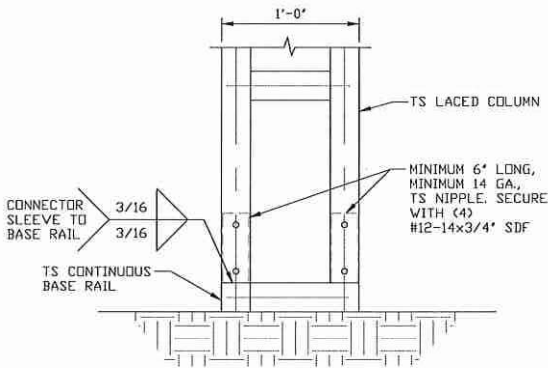
SCALE: NTS



3A

RAFTER COLUMN/BASE RAIL CONNECTION DETAIL

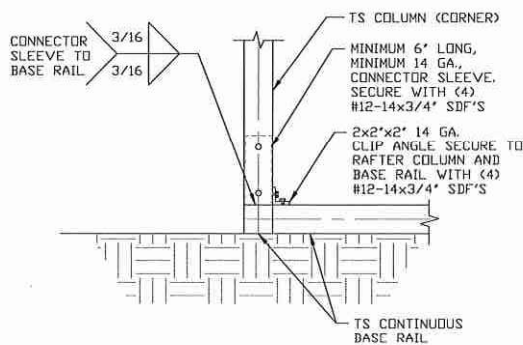
SCALE: NTS



3B

END COLUMN/BASE RAIL CONNECTION DETAIL

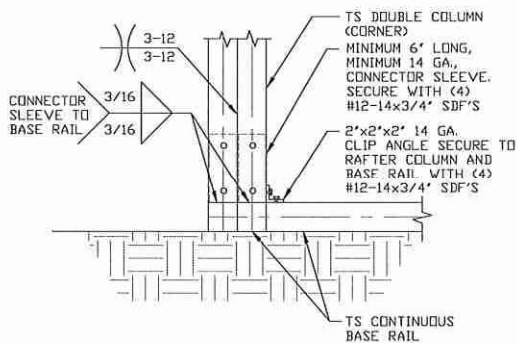
SCALE: NTS



4

END COLUMN/BASE RAIL CONNECTION DETAIL

SCALE: NTS



4A

END COLUMN/BASE RAIL CONNECTION DETAIL

SCALE: NTS



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**BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055**

30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SHT. 12

SCALE: NTS

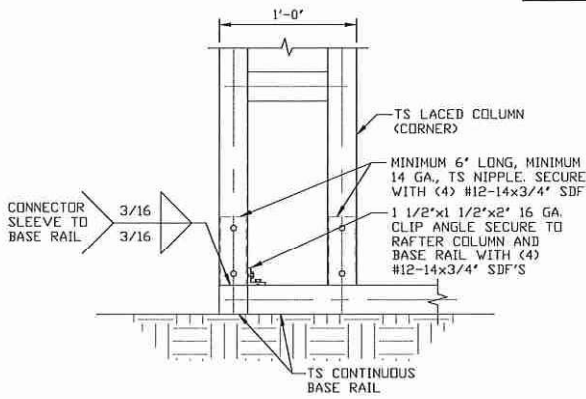
DWG. NO: SK-3

**JOB NO: 19294S/
21025S**

REV: 1

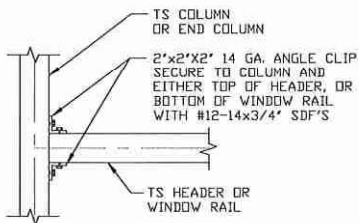
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CONNECTION DETAILS



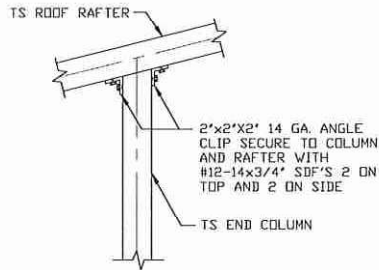
4B
**END COLUMN/BASE RAIL
CONNECTION DETAIL**

SCALE: NTS



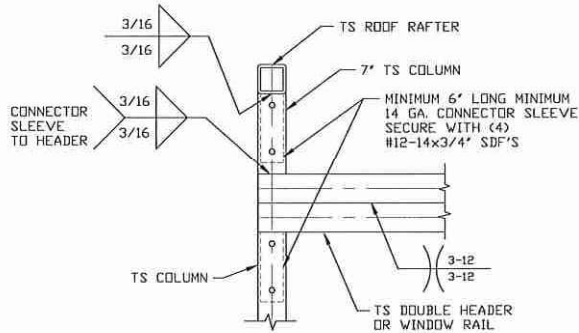
6
**COLUMN OR WINDOW
RAIL/GIRT TO POST
CONNECTION DETAIL**

SCALE: NTS



5
**END COLUMN/RAFTER
CONNECTION DETAIL**

SCALE: NTS



6A
**COLUMN OR WINDOW
RAIL TO POST
CONNECTION DETAIL**

SCALE: NTS



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PROJECT MGR: WSM

CLIENT: BMB

**BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

DATE: 3-2-21

SHT. 13

SCALE: NTS

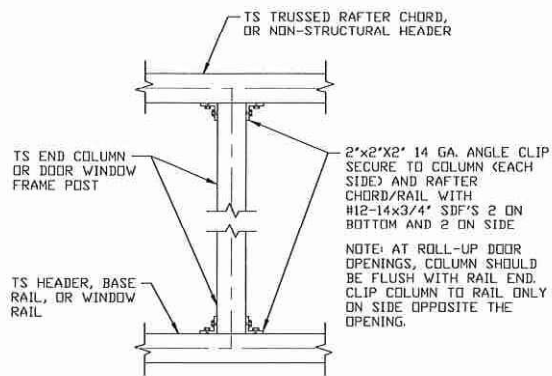
DWG. NO: SK-3

**JOB NO: 19294S/
21025S**

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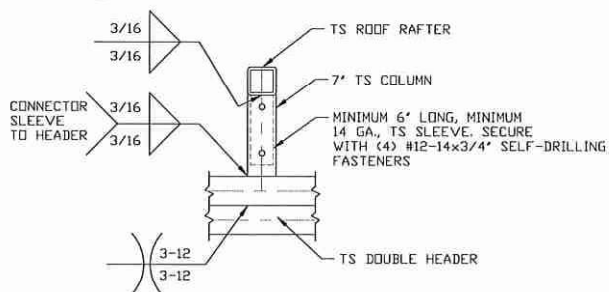
CONNECTION DETAILS



7

COLUMN TO WINDOW RAIL CONNECTION DETAIL

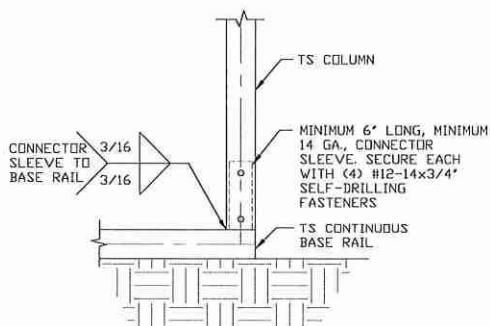
SCALE: NTS



9

COLUMN/DOUBLE HEADER CONNECTION DETAIL

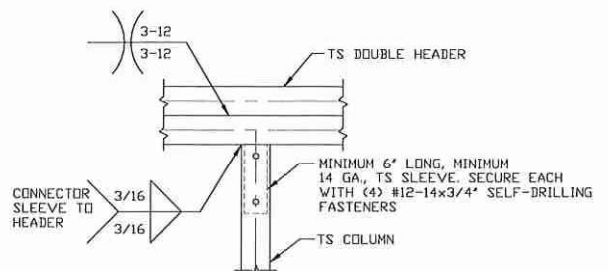
SCALE: NTS



10

COLUMN/BASE RAIL CONNECTION DETAIL

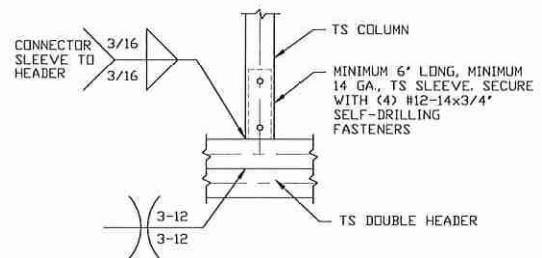
SCALE: NTS



8

DOUBLE HEADER/COLUMN CONNECTION DETAIL

SCALE: NTS



9A

COLUMN/DOUBLE HEADER CONNECTION DETAIL

SCALE: NTS



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**BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

DATE: 3-2-21

SHT. 14

SCALE: NTS

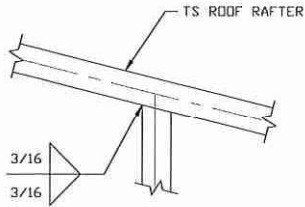
DWG. NO: SK-3

**JOB NO: 19294S/
21025S**

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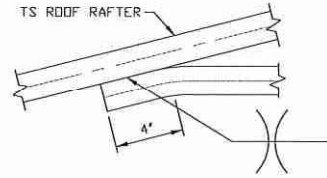
CONNECTION DETAILS



11

RAFTER TO CHORD CONNECTION DETAIL

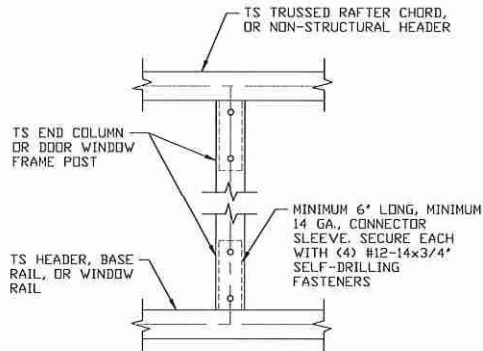
SCALE: NTS



12

COLLAR TIE CONNECTION DETAIL

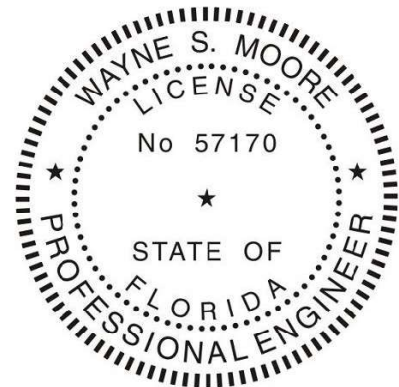
SCALE: NTS



13

COLUMN TO HEADER OR BASE RAIL CONNECTION DETAIL

SCALE: NTS



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PROJECT MGR: WSM

CLIENT: BMB

**BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055**

30'-0"X20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SHT. 15

SCALE: NTS

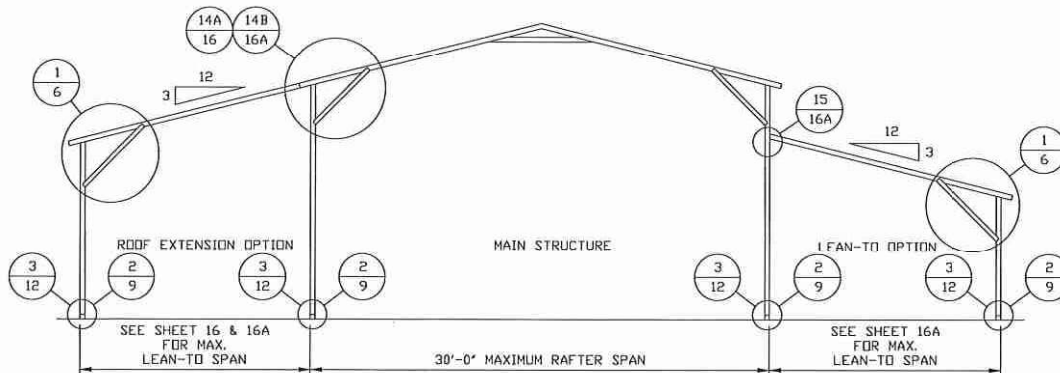
DWG. NO: SK-3

**JOB NO: 19294S/
21025S**

REV: 1

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BOX EAVE RAFTER LEAN-TO OPTIONS



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

SCALE: NTS

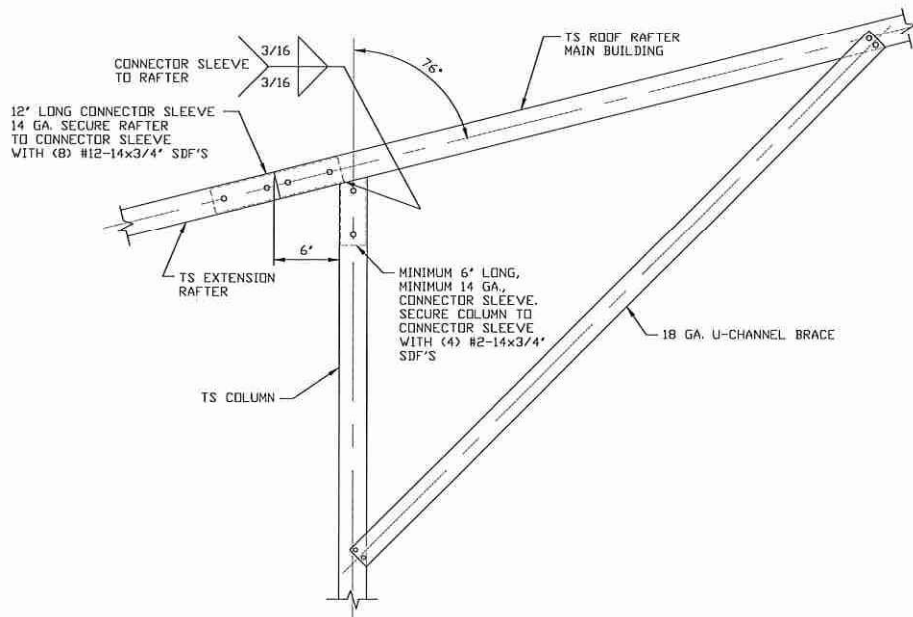
(MAXIMUM WIDTH OF SINGLE MEMBER ROOF EXTENSION LEAN-TO IS 12'-0".)

(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 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).



**SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
RAFTER SPANS ≤ 12'-0"**

14A

SCALE: NTS



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PROJECT MGR: WSM

CLIENT: BMB

**BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055**

30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SHT. 16

SCALE: NTS

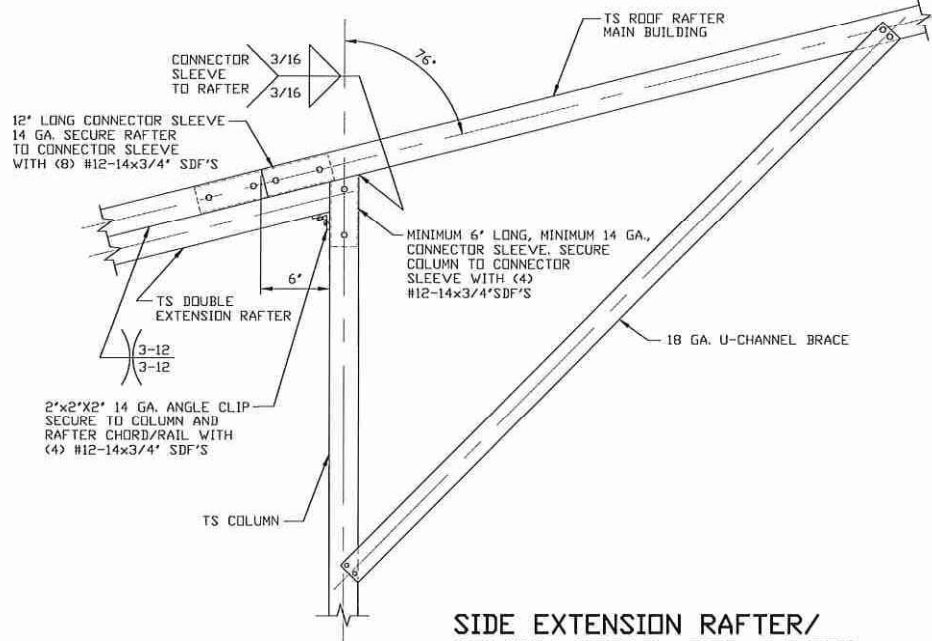
DWG. NO: SK-3

**JOB NO: 19294S/
21025S**

REV: 1

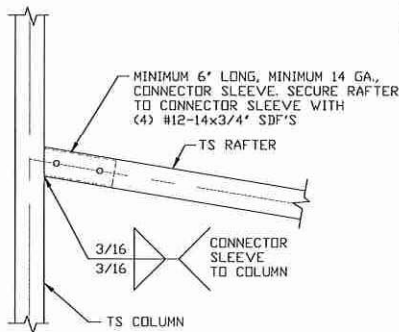
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BOX EAVE RAFTER LEAN-TO OPTIONS



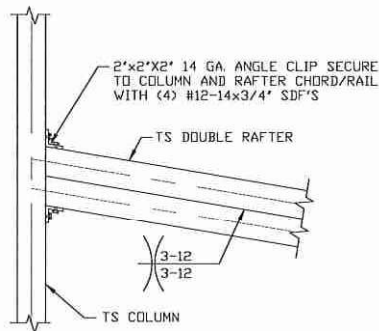
14B

**SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR RAFTER
SPANS 12'-0" < L ≤ 16'-0"**
SCALE: NTS



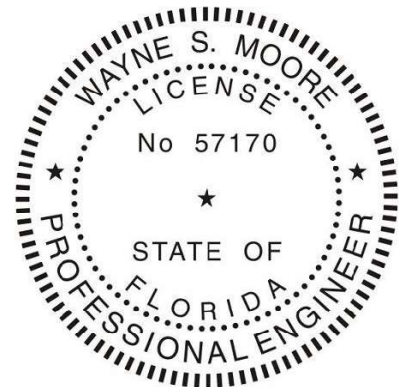
15A

**LEAN-TO RAFTER TO RAFTER
COLUMN CONNECTION DETAIL
FOR RAFTER SPANS ≤ 12'-0"**
SCALE: NTS



15B

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



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ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JG

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: BMB

**BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
30'-0" x 20'-0" SP ENCLOSED STRUCTURE**

DATE: 3-2-21

SHT. 16A

SCALE: NTS

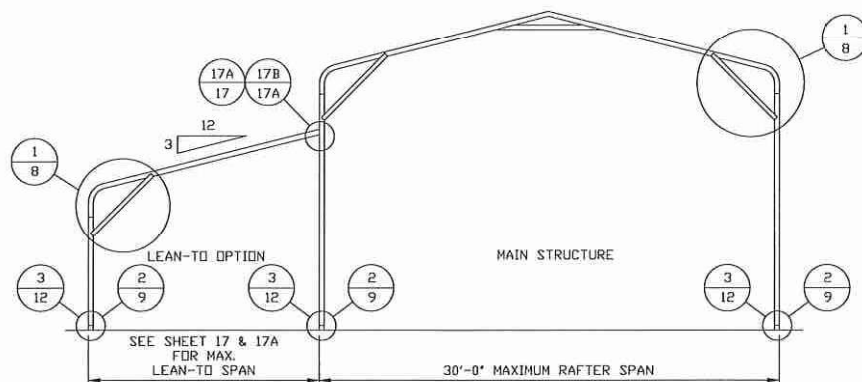
DWG. NO: SK-3

**JOB NO: 19294S/
21025S**

REV: 1

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BOW EAVE RAFTER LEAN-TO OPTIONS



TYPICAL BOW RAFTER LEAN-TO OPTION FRAMING SECTION

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 EAVE HEIGHTS 16'-0" < TO ≤ 20'-0".

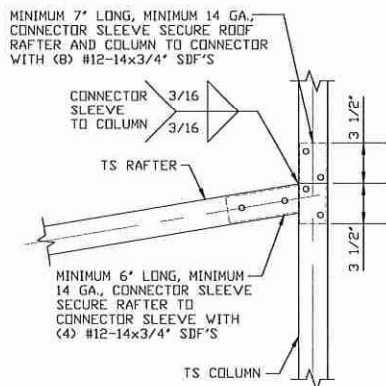
MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED

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

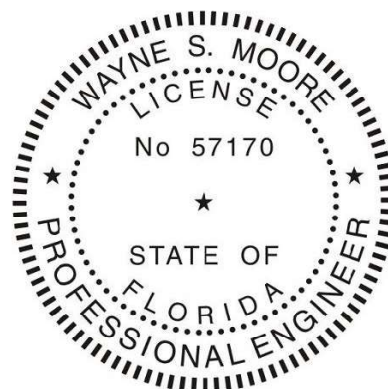
TO BE SINGLE COLUMNS FOR EAVE HEIGHTS ≤ 10'-0" (HIGH WIND) AND ≤ 11'-0" (LOW WIND).



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

SCALE: NTS

17A



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BEST METAL BUILDINGS, LLC
484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055

30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SHT. 17

SCALE: NTS

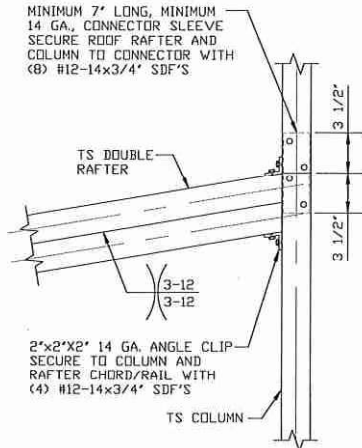
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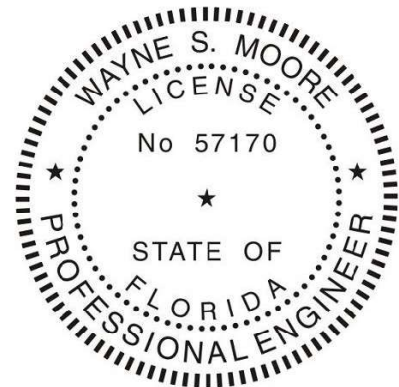
BOW EAVE RAFTER LEAN-TO OPTIONS



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

17B

SCALE: NTS



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484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SCALE: NTS

SHT. 17A

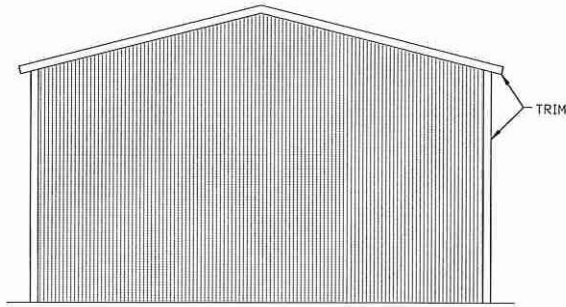
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JOB NO: 19294S/
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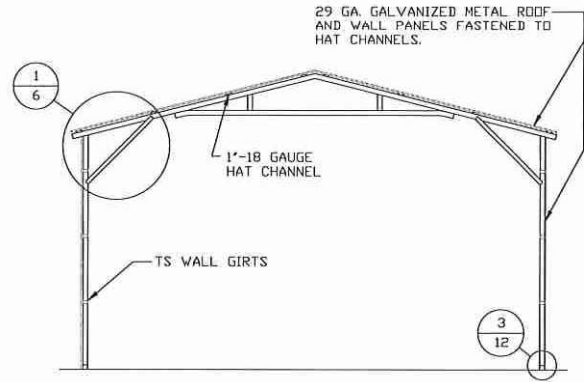
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BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



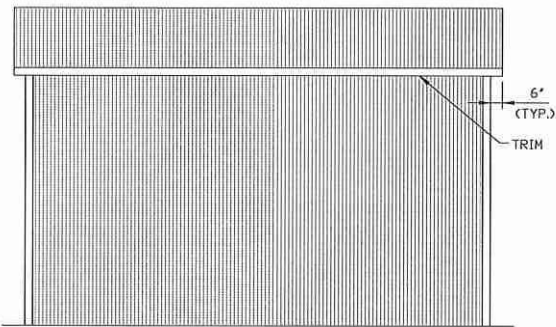
**TYPICAL END ELEVATION
VERTICAL ROOF/SIDING**

SCALE: NTS



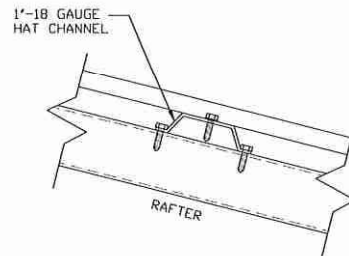
**TYPICAL SECTION VERTICAL
ROOF/SIDING OPTION**

SCALE: NTS



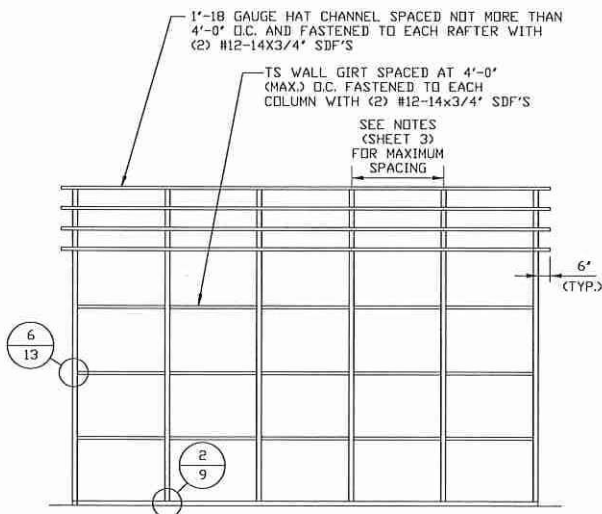
**TYPICAL SIDE ELEVATION
VERTICAL ROOF/SIDING**

SCALE: NTS



PANEL ATTACHMENT

(ALTERNATE FOR VERTICAL ROOF PANELS)
SCALE: NTS



**TYPICAL FRAMING SECTION
VERTICAL ROOF/SIDING OPTION**

SCALE: NTS



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484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 3-2-21

SHT. 18

SCALE: NTS

DWG. NO: SK-3

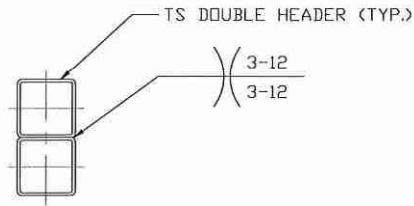
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HEADER OPTIONS

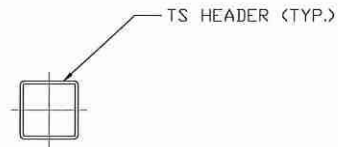
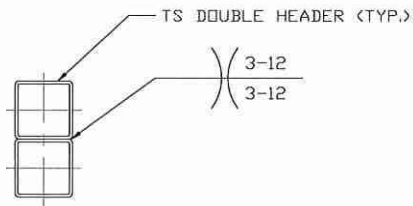
SIDE WALL HEADER OPTION



HEADER DETAIL FOR LENGTHS $\leq 16'-0"$

SCALE: NTS

END WALL HEADER OPTIONS

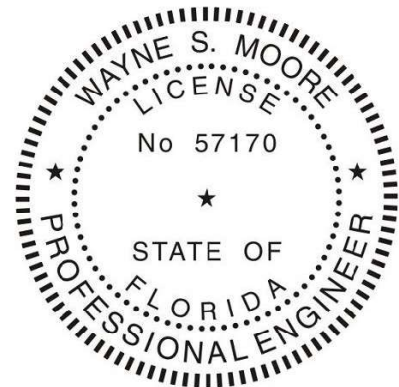


HEADER DETAIL FOR LENGTHS $14'-0" < \text{TO} \leq 16'-0"$

SCALE: NTS

HEADER DETAIL FOR LENGTHS $\leq 14'-0"$

SCALE: NTS



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484 NW TURNER AVENUE
LAKE CITY, FLORIDA 32055

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DATE: 3-2-21

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SHT. 19

DWG. NO: SK-3

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