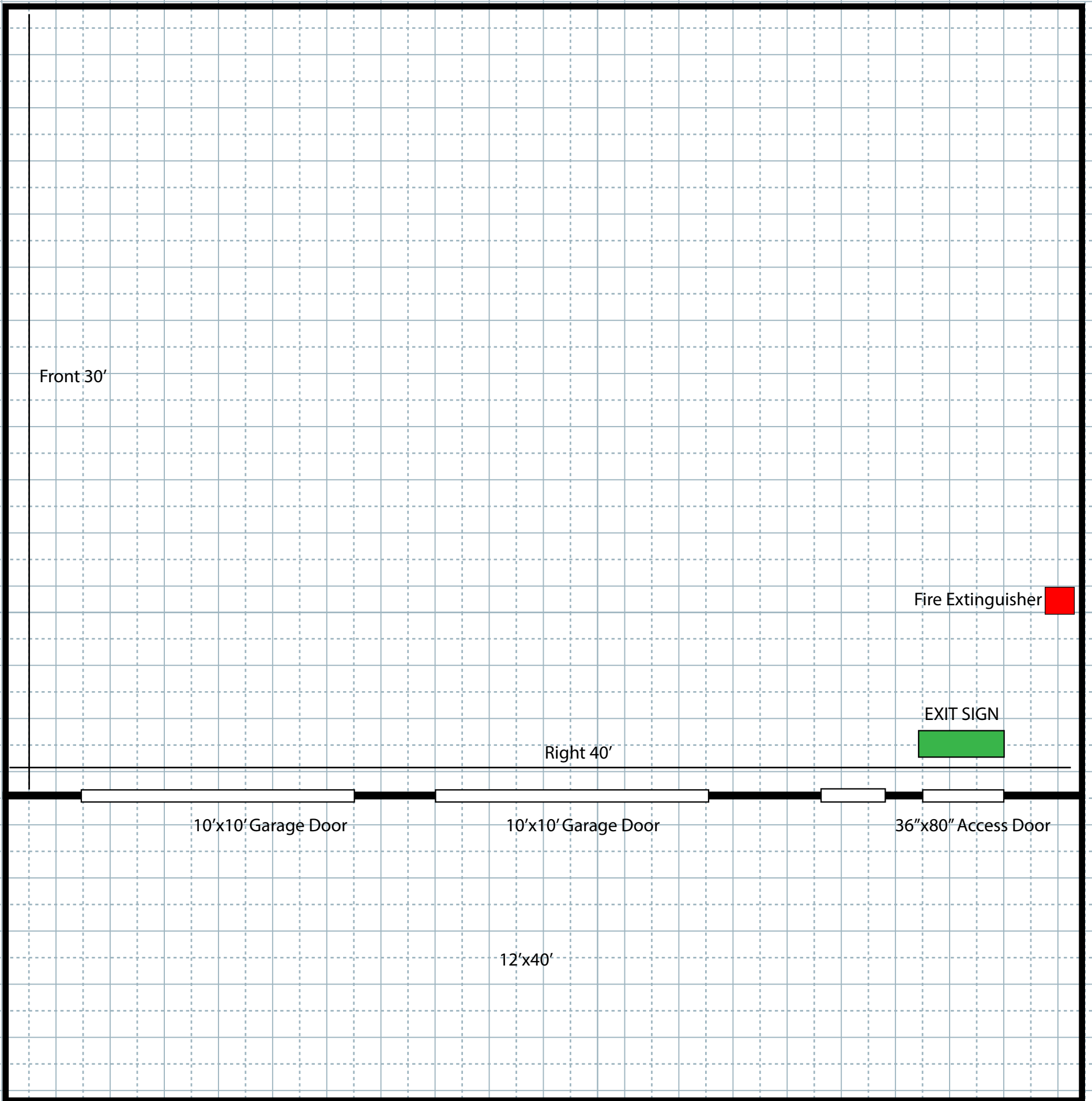


# Lide Safety Plan: 2291 NC 55 E., Dunn, NC 28334 Gospel Tabernacle Hisnaptic Chruch - Dry Storage Building



Reviewed for Fire Code Compliance



Leslie Jackson

03/31/2026 6:49:24 AM

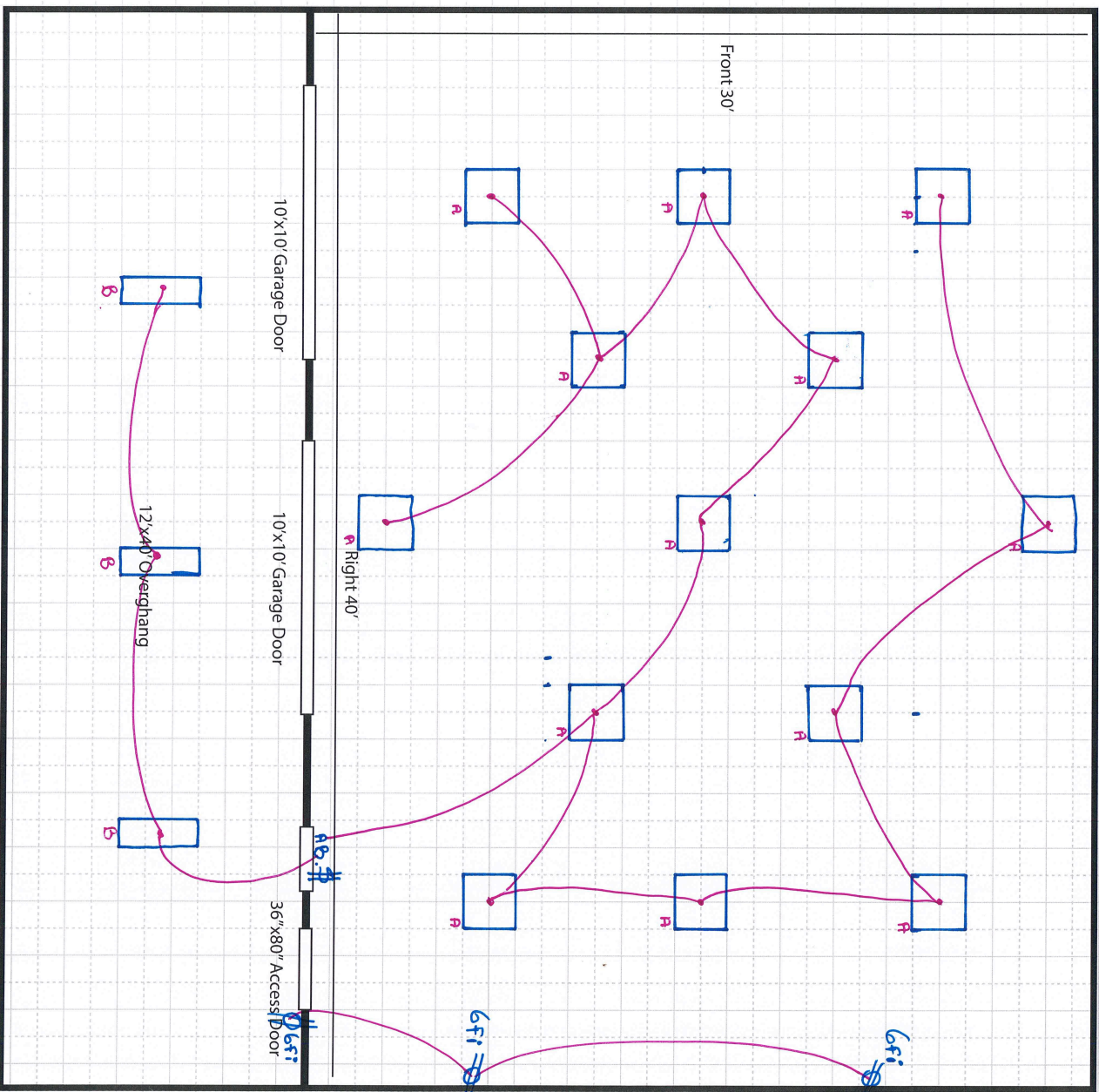
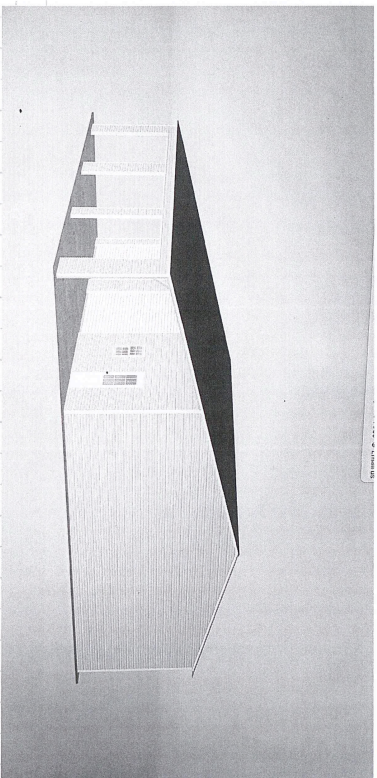
NOTICE TO CONTRACTOR  
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

Reviewed for Code Compliance

03/30/2026



1/4" = 1'



1/4" = 1'



**Buildings & Garages**  
Pilot Mountain, North Carolina

**STRUCTURAL DESIGN**  
**ENCLOSED BUILDING**

**MAXIMUM 30'-0" WIDE X 16'-0" EAVE HEIGHT -  
BOX EAVE FRAME**

2 September 2020

Revision 4

M&A Project No. 18184S/18348S/19129S/20229S

Prepared for:

JR Buildings and Garages  
316 Nelson Street  
Pilot Mountain, NC 27041

Prepared by:

Moore and Associates Engineering  
and Consulting, Inc.

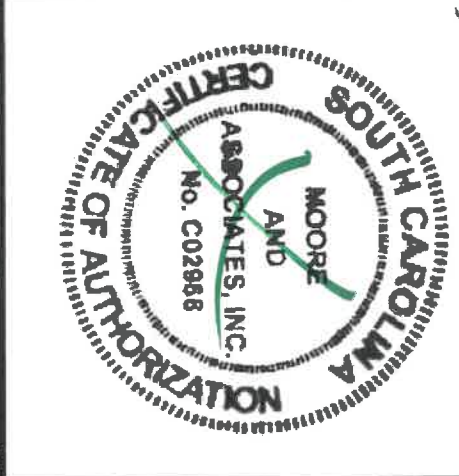
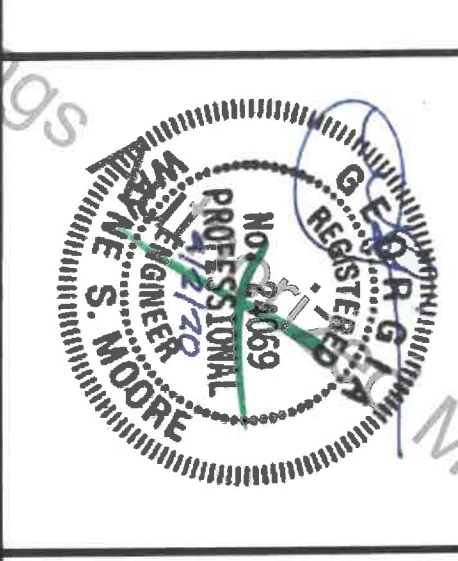
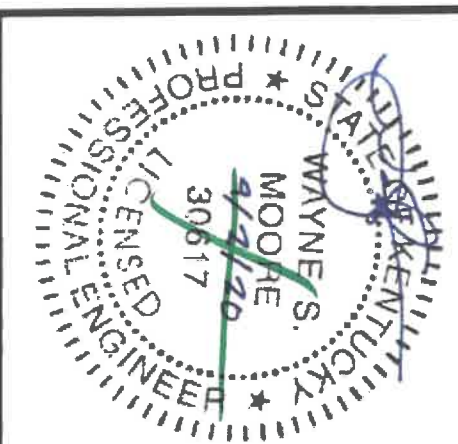
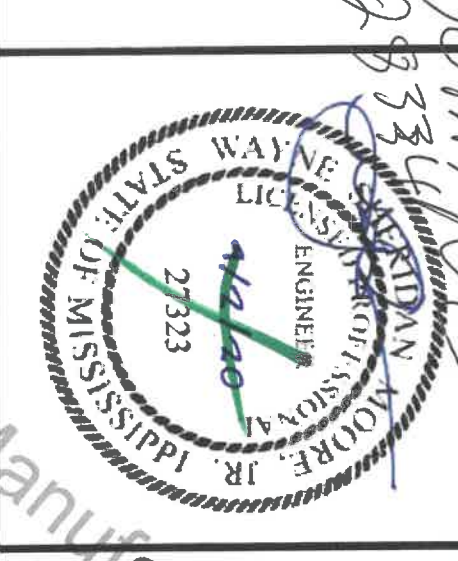
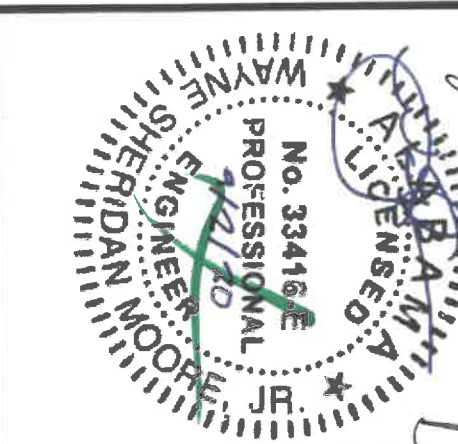
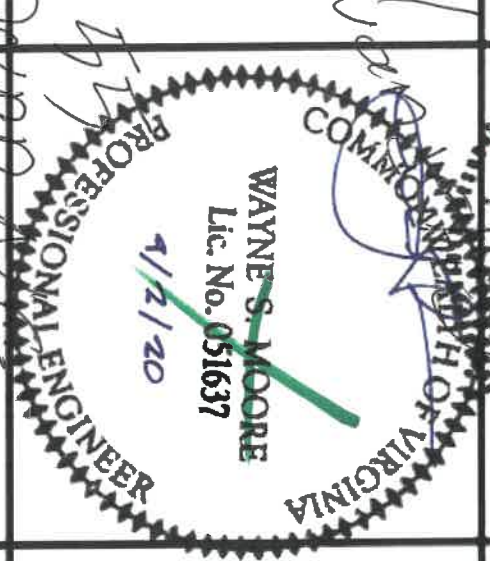
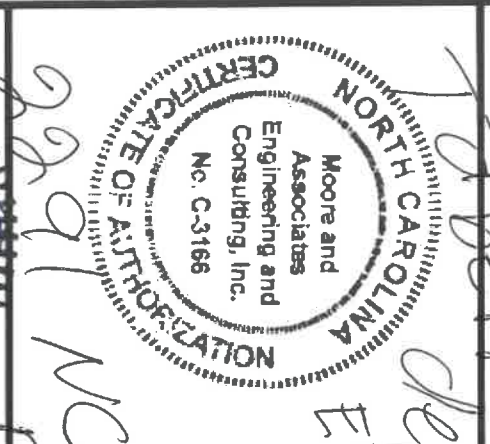
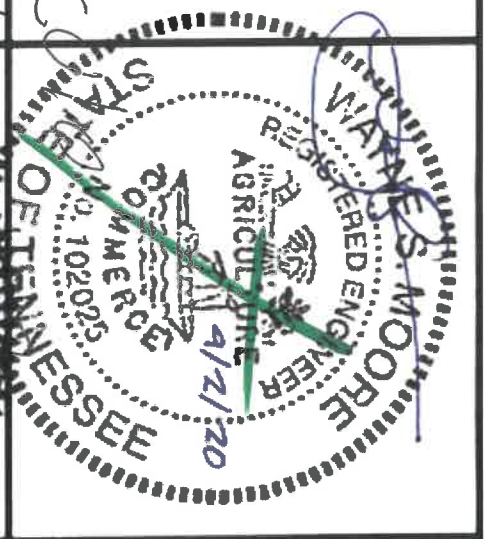
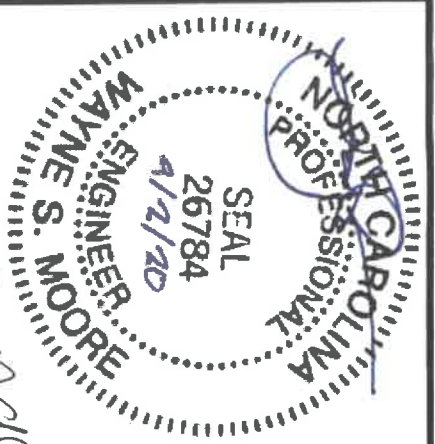
1009 East Avenue  
North Augusta, SC 29841  
401 S. Main St., Suite 200  
Mount Airy, NC 27030



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DRAWN BY: LT		DATE: 9-2-20		JOB NO: 18184S/	
CHECKED BY: PH		SCALE: NTS		18348S/19129S/20229S	
PROJECT MGR: VSM		SHT. 1		REV. 4	
CLIENT: JR BUILDINGS		JK BUILDINGS & GARAGES 316 NELSON STREET PLOT MOUNTAIN, NC 27041 30'-0" x 16'-0" ENCLOSED STRUCTURE			

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# DRAWING INDEX

SHEET 1	PE SEAL COVER SHEET
SHEET 2	DRAWING INDEX
SHEET 3	INSTALLATION NOTES AND SPECIFICATIONS
SHEET 4	TYPICAL SIDE AND END ELEVATIONS
SHEET 5	TYPICAL RAFTER/COLUMN FRAME END AND SIDE FRAMING SECTION (BOX EAVE STRUCTURE)
SHEET 5A	TYPICAL RAFTER/COLUMN FRAME END AND SIDE FRAMING SECTION (BOX EAVE STRUCTURE)
SHEET 6	COLUMN CONNECTION DETAILS (BOX EAVE STRUCTURE)
SHEET 7	TYPICAL RAFTER/COLUMN FRAME END AND SIDE FRAMING SECTION (BOX EAVE STRUCTURE)
SHEET 7A	TYPICAL RAFTER/COLUMN FRAME END AND SIDE FRAMING SECTION (BOX EAVE STRUCTURE)
SHEET 8	COLUMN CONNECTION DETAILS (BOX EAVE STRUCTURE)
SHEET 9	BASE RAIL ANCHORAGE OPTIONS
SHEET 9A	BASE RAIL ANCHORAGE OPTIONS
SHEET 10	BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS
SHEET 11	BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS
SHEET 12	CONNECTION DETAILS
SHEET 13	CONNECTION DETAILS
SHEET 14	LEAN-TO OPTIONS (BOX EAVE STRUCTURE)
SHEET 15	LEAN-TO OPTIONS (BOX EAVE STRUCTURE)
SHEET 16	BOX EAVE RAFTER VERTICAL ROOF/SKIDING OPTION
SHEET 16A	BOX EAVE RAFTER VERTICAL ROOF/SKIDING OPTION
SHEET 17	SIDE WALL AND END WALL HEADINGS OPTIONS

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<b>MOORE AND ASSOCIATES</b> <b>ENGINEERING AND CONSULTING, INC.</b>		<b>JR BUILDINGS &amp; GARAGES</b> 316 NELSON STREET PLOT MOUNTAIN, NC 27041 30'-0" X 16'-0" ENCLOSED STRUCTURE	
DRAWN BY: LT		DATE: 9-2-20	
CHECKED BY: PH		SCALE: NTS	JOB NO: 18184S/
PROJECT MGR: VSM		DWG. NO: SK-3	18348S/19129S/20229S
CLIENT: JR BUILDINGS		SHT. 2	REV: 4

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### INSTALLATION NOTES AND SPECIFICATIONS

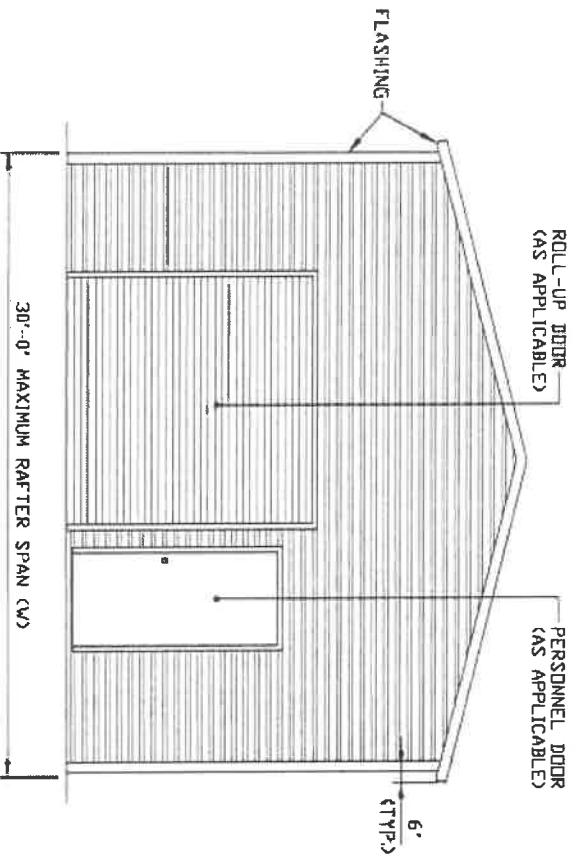
1. DESIGN IS FOR MAXIMUM 30'-0" WIDE x 16'-0" EAVE HEIGHT ENCLOSED STRUCTURES.
2. DESIGN WAS DONE IN ACCORDANCE WITH THE 2018 NORTH CAROLINA BUILDING CODE, 2018 INTERNATIONAL BUILDING CODE (IBC), 2015 IBC, 2012 IBC AND 2009 IBC.
3. DESIGN LOADS ARE AS FOLLOWS:
  - A) DEAD LOAD = 1.5 PSF
  - B) LIVE LOAD = 12 PSF
  - C) GROUND SNOW LOAD = 35 PSF
  - = 30 PSF (W ≤ 24'-0" WITH U-CHANNEL COLLAR TIE)
  - \* DIFFERENTIAL LOADING DUE TO SNOW DRIFT NOT ANALYZED.
4. ULTIMATE 3-SECOND GUST WIND SPEED ( $V_{ULT}$ ) = ≤ 145 MPH (NOMINAL WIND SPEED = ≤ 112 MPH).
5. MAXIMUM RAFTER/COLUMN AND END COLUMN SPACING = 5.0 FEET (UNLESS NOTED OTHERWISE).
6. END WALL COLUMNS/POSTS AND SIDEWALL COLUMNS/POSTS AND ARE SIMILAR IN SIZE AND SPACING (UNLESS NOTED OTHERWISE).
7. RISK CATEGORY 1.
8. WIND EXPOSURE CATEGORY B.
9. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2" x 2 1/2" - 14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS (UNLESS NOTED OTHERWISE).
10. AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR HAT CHANNELS, AND COLUMNS (INTERIOR OR END) = 8 INCHES.
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 16 FEET OR LESS, AND ROOF SLOPES OF 14° (3:12 PITCH) OR LESS. SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY. ROOF SLOPES LESS THAN 3:12 REQUIRE USE OF LAP JOINT SEALANT.
12. GROUND ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH COLUMN.
13. STANDARD GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBAR W/ WELDED NUT x 30" LONG. SOIL NAILS MAY BE USED FOR WIND SPEEDS < 145 MPH AND IN SUITABLE SOIL CONDITIONS. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS 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  $I_e = 1.0$
  - $S_{DS} = 2.039$  g  $V = C_s W$
  - $S_{M1} = 1.258$  g

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DRAWN BY: LT	CHECKED BY: PH	DATE: 9-2-20	SHT. 3
PROJECT MGR: VSM	SCALE: NTS	JOB NO: 18184S/ 18348S/19129S/20229S	DWG. NO: SK-3
CLIENT: JR BUILDINGS			REV: 4

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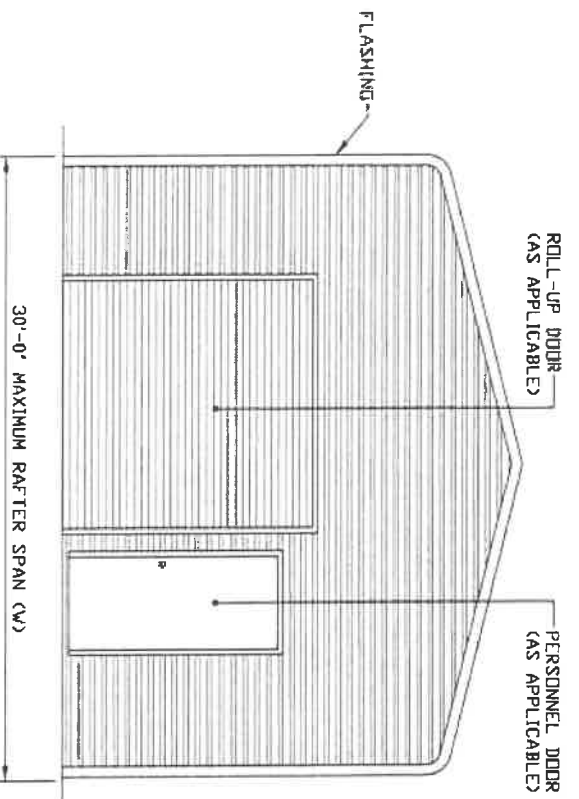
**BOX EAVE FRAME RAFTER STRUCTURE**



**TYPICAL END ELEVATION**

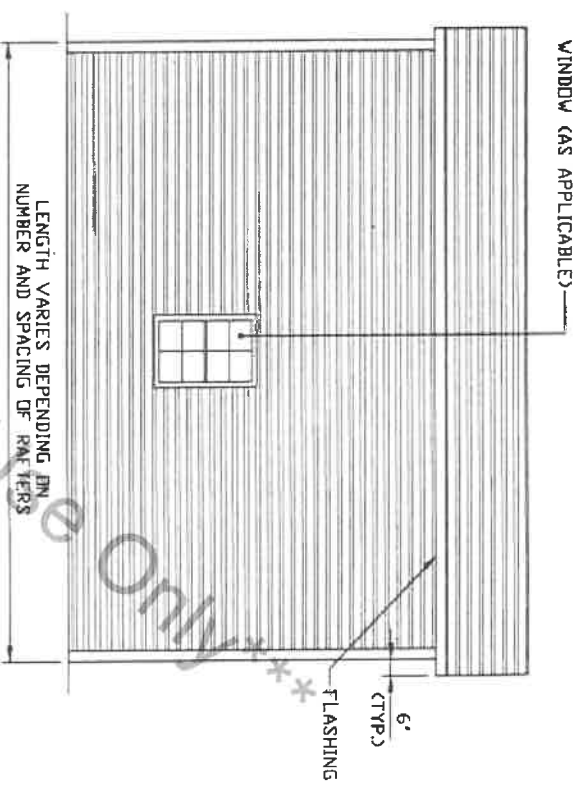
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**BOX EAVE FRAME RAFTER STRUCTURE**



**TYPICAL END ELEVATION**

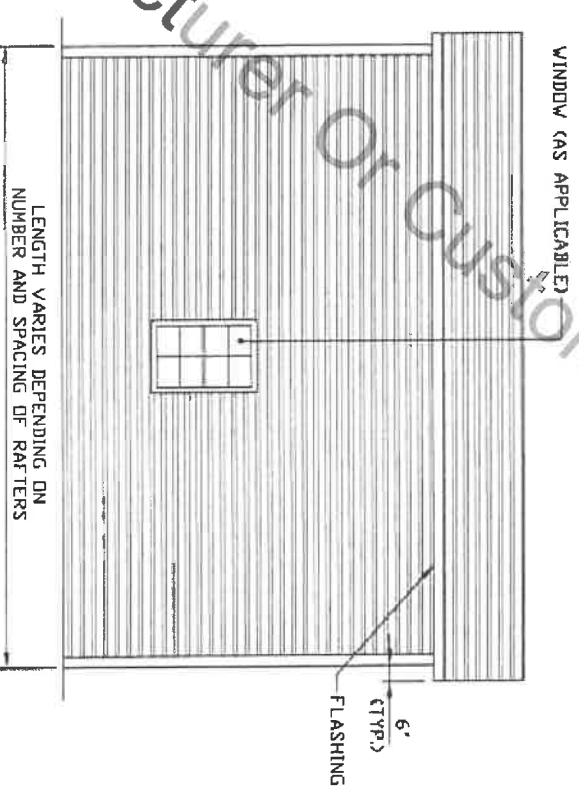
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**TYPICAL SIDE ELEVATION**

SCALE: NTS

**BOX EAVE FRAME RAFTER STRUCTURE**



**TYPICAL SIDE ELEVATION**

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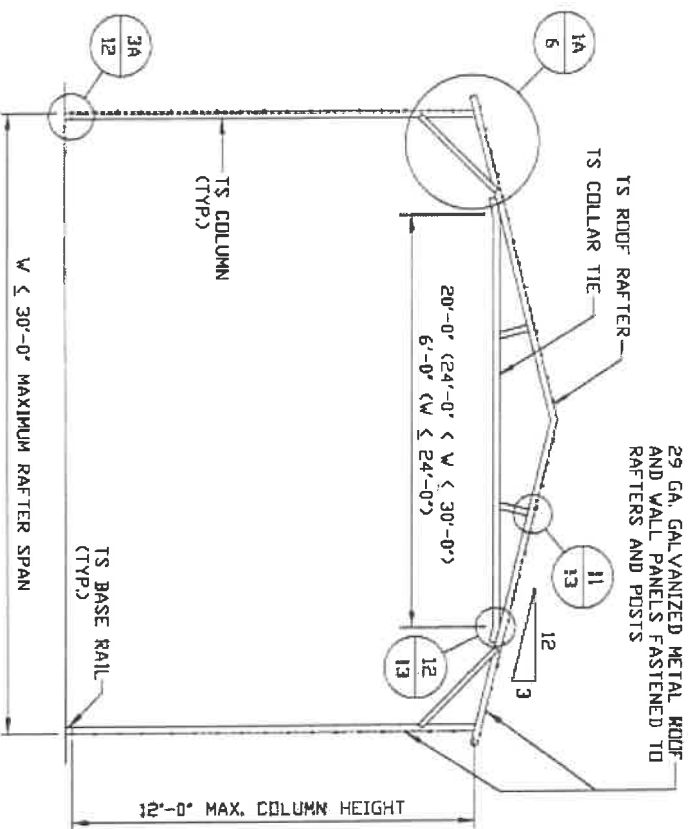
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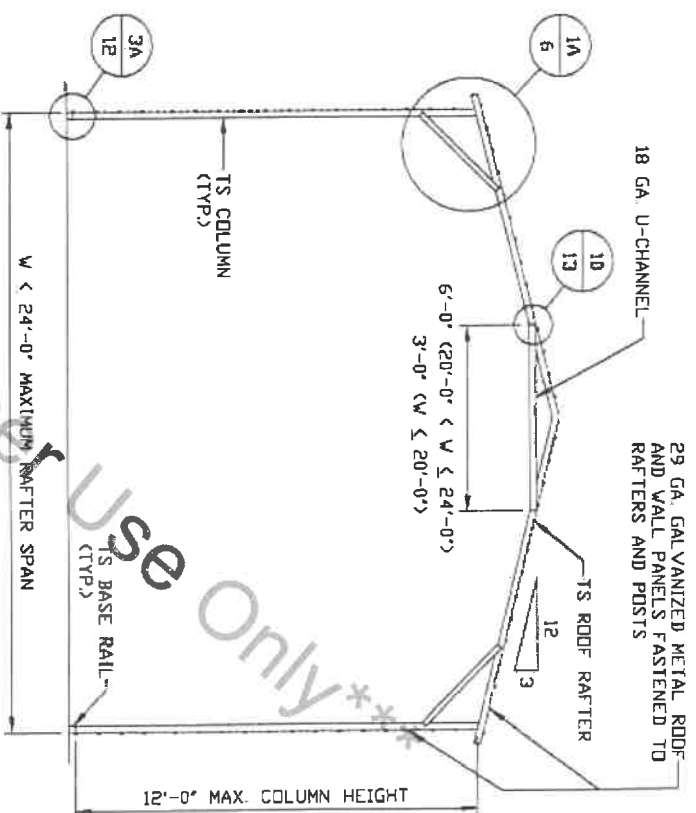
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PROJECT MGR: VSM		PLOT MOUNTAIN, NC 27041	
CLIENT: JR BUILDINGS		30'-0" X 16'-0" ENCLOSED STRUCTURE	
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SHT. 4	DWG. NO: SK-3	18348S/19129S/20229S	
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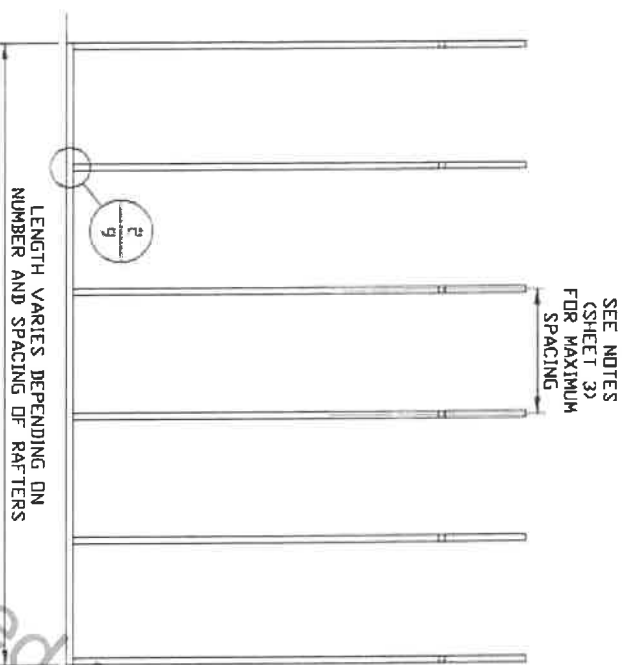




**TYPICAL RAFTER/COLUMN FRAME SECTION**  
SCALE: NTS



**TYPICAL RAFTER/COLUMN FRAME SECTION**  
SCALE: NTS



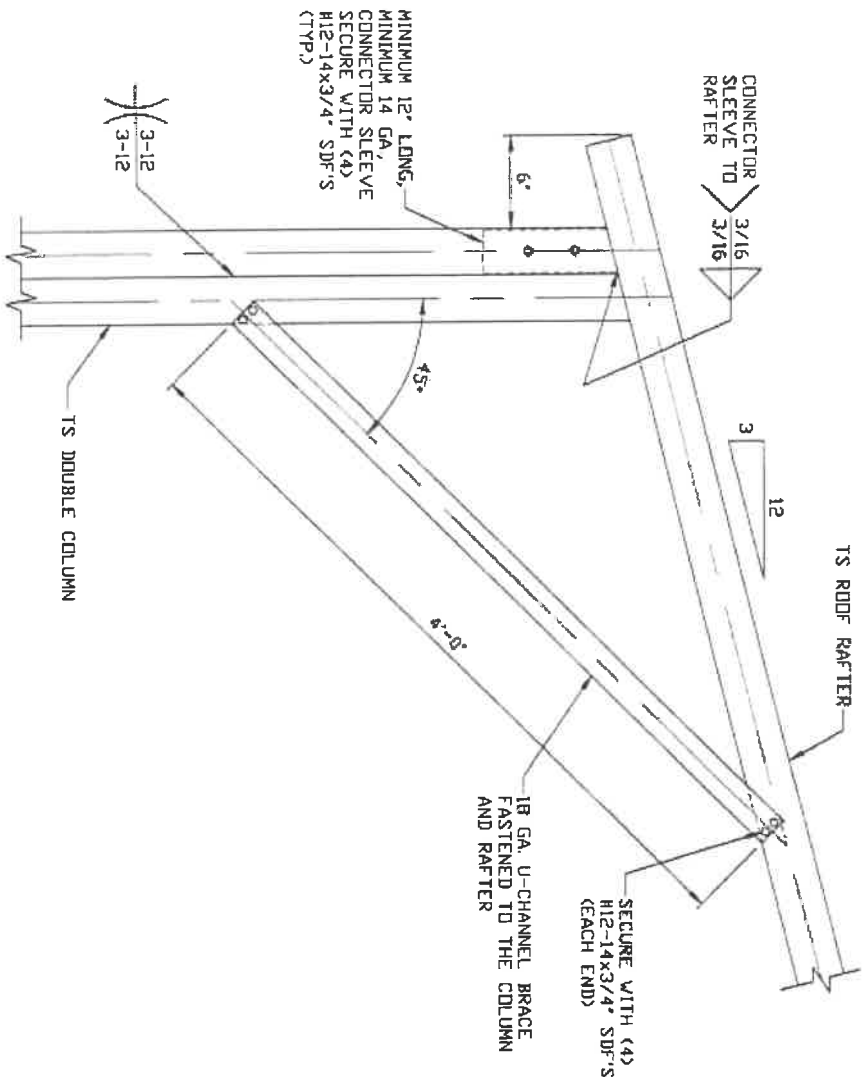
**TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION**  
SCALE: NTS

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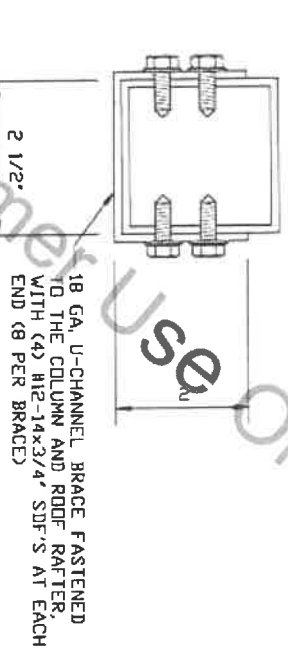
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CHECKED BY: PH		316 NELSON STREET	
PROJECT MGR: VSM		PILLOT MOUNTAIN, NC 27041	
CLIENT: JR BUILDINGS		30'-0" x 16'-0" ENCLOSED STRUCTURE	
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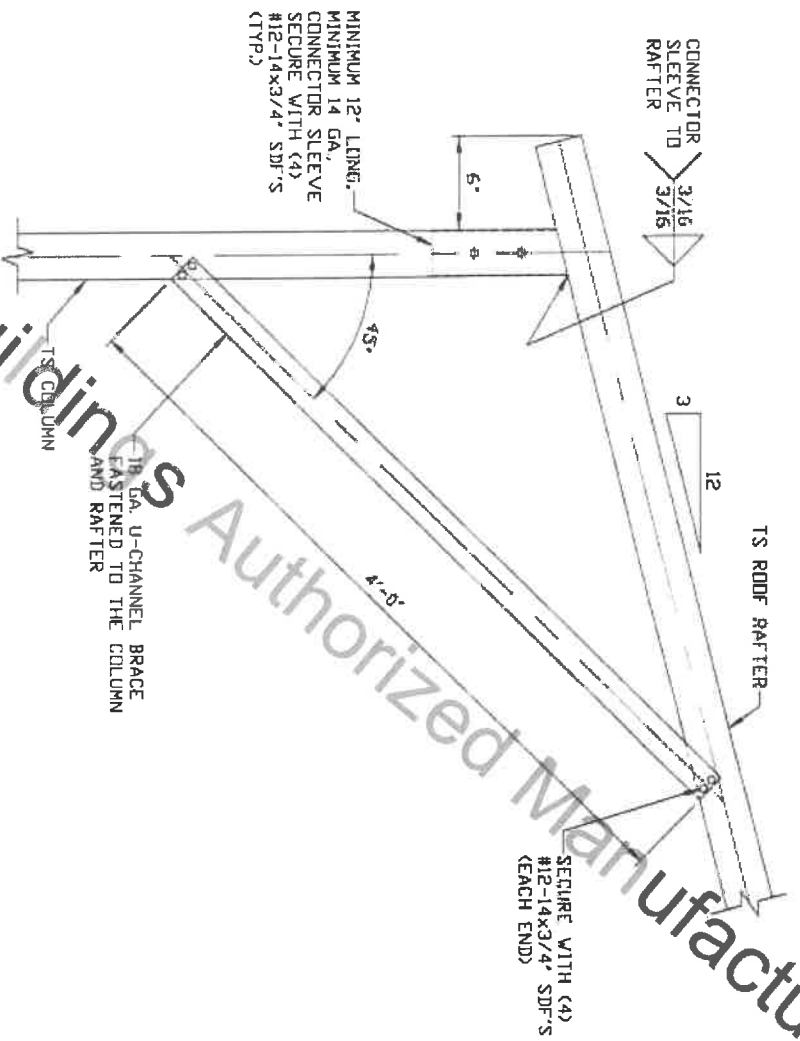


**1**  
**BX EAVE RAFTER/CORNER POST CONNECTION DETAIL**  
**FOR HEIGHTS 12'-0" < TD < 16'-0"**

SCALE: NTS  
 NOTE: 2'-0" KNEE BRACE MAY BE USED FOR BUILDING WIDTHS < 24'-0".



**BRACE SECTION**  
 SCALE: NTS



**1A**  
**BX EAVE RAFTER/CORNER POST CONNECTION DETAIL**  
**FOR HEIGHTS < 12'-0"**

SCALE: NTS  
 NOTE: 2'-0" KNEE BRACE MAY BE USED FOR BUILDING WIDTHS < 24'-0" AND < 11'-0" EAVE HEIGHT

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JR BUILDINGS & GARAGES

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316 NELSON STREET

CHECKED BY: PH

PILLOT MOUNTAIN, NC 27041

PROJECT MGR: VSM

30'-0" x 16'-0" ENCLOSED STRUCTURE

DATE: 9-2-20

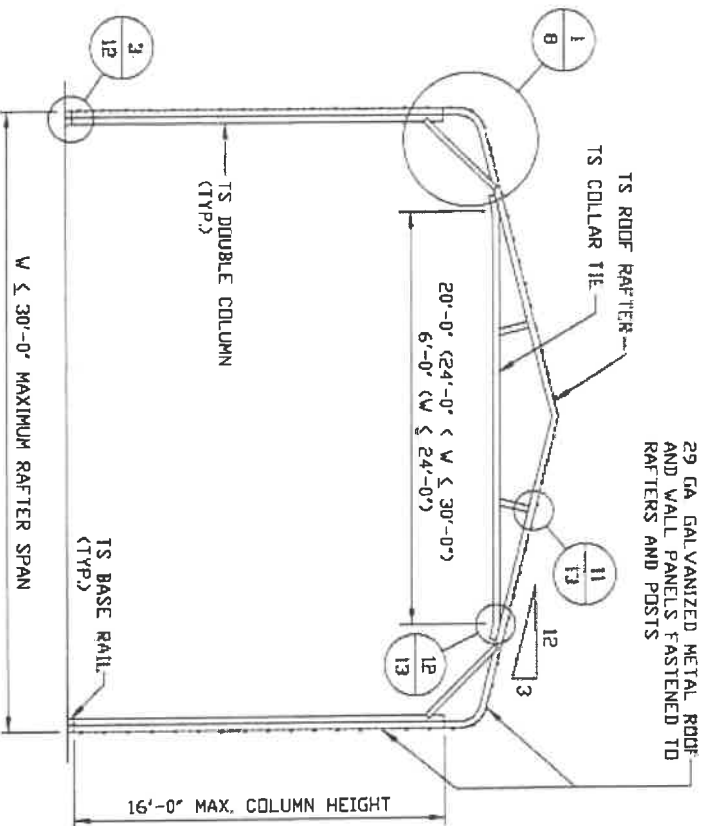
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 1834BS/19129S/20229S

CLIENT: JR BUILDINGS

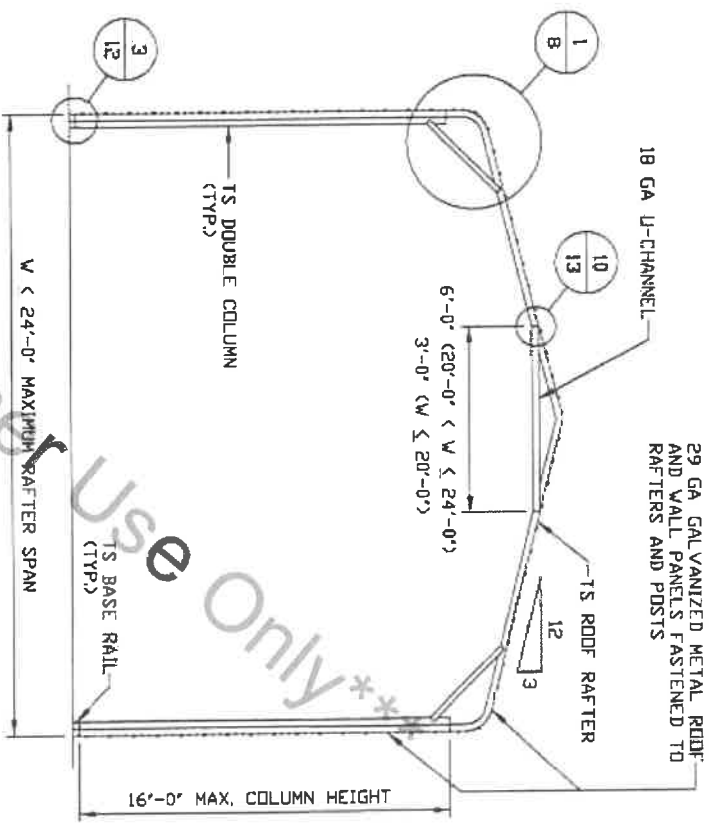
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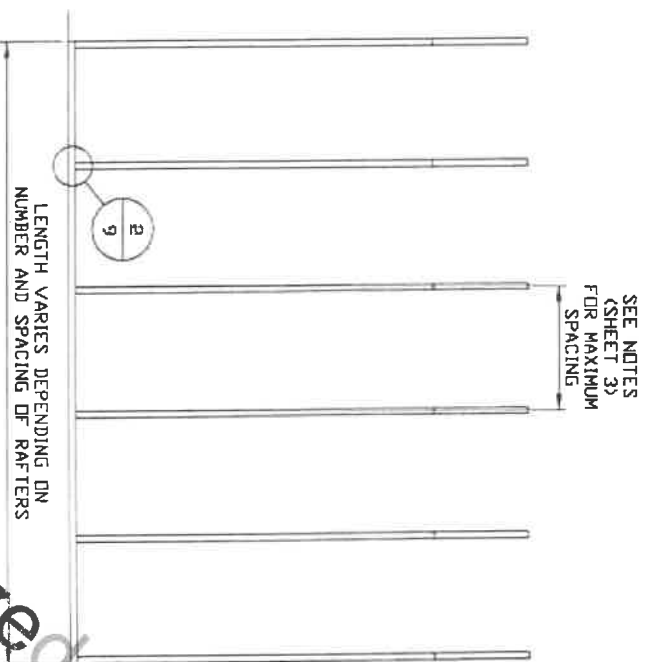
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**TYPICAL RAFTER/COLUMN FRAME SECTION**  
SCALE: NTS



**TYPICAL RAFTER/COLUMN FRAME SECTION**  
SCALE: NTS



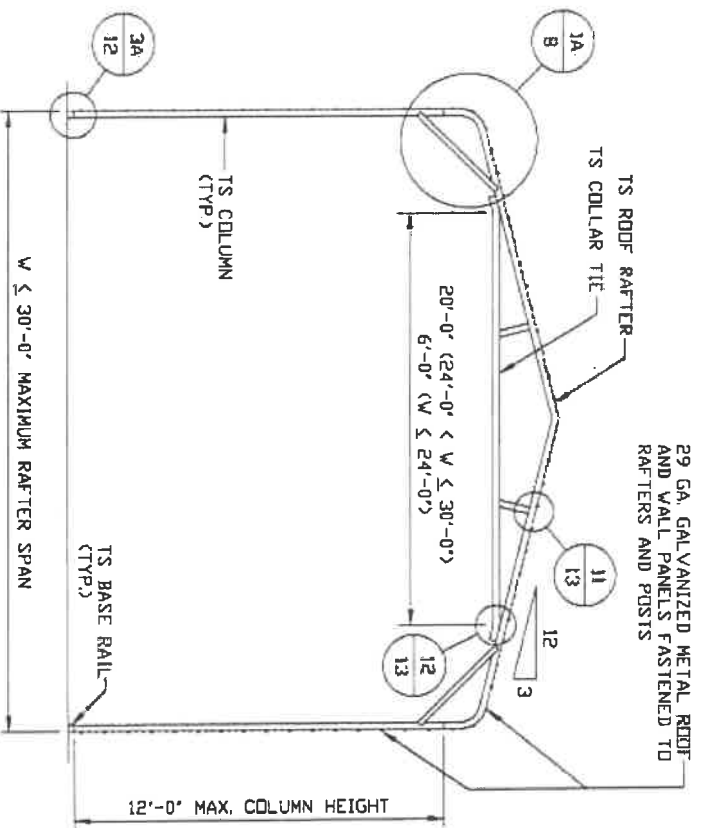
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SCALE: NTS

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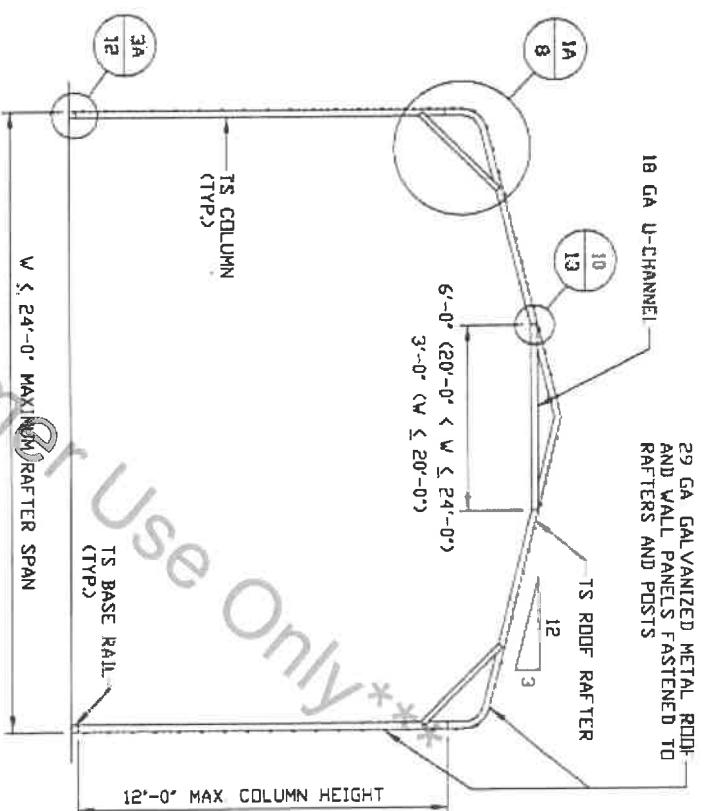
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PROJECT MGR: VSH		PLOT MOUNTAIN, NC 27041	
DATE: 9-2-20		30'-0"X16'-0" ENCLOSED STRUCTURE	
CLIENT: JR BUILDINGS	SHT. 7	SCALE: NTS	JOB NO: 181845/
		DWG. NO: SK-3	183485/191295/202295
			REV. 4



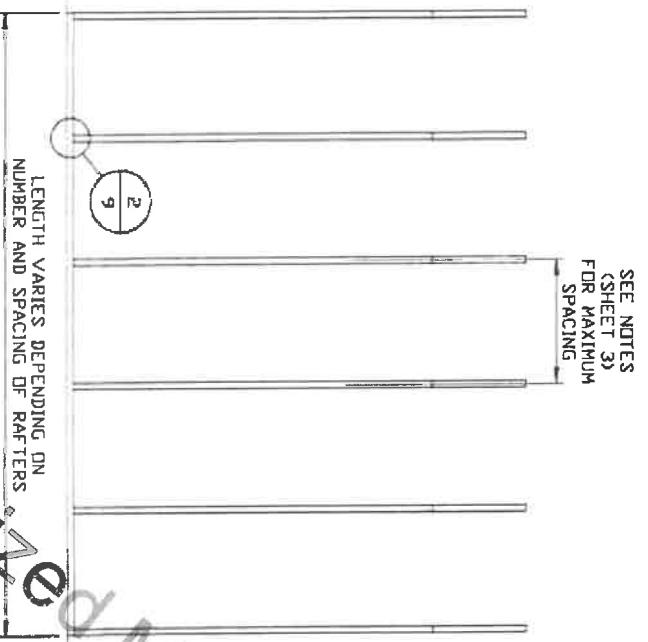
TYPICAL RAFTER/COLUMN FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

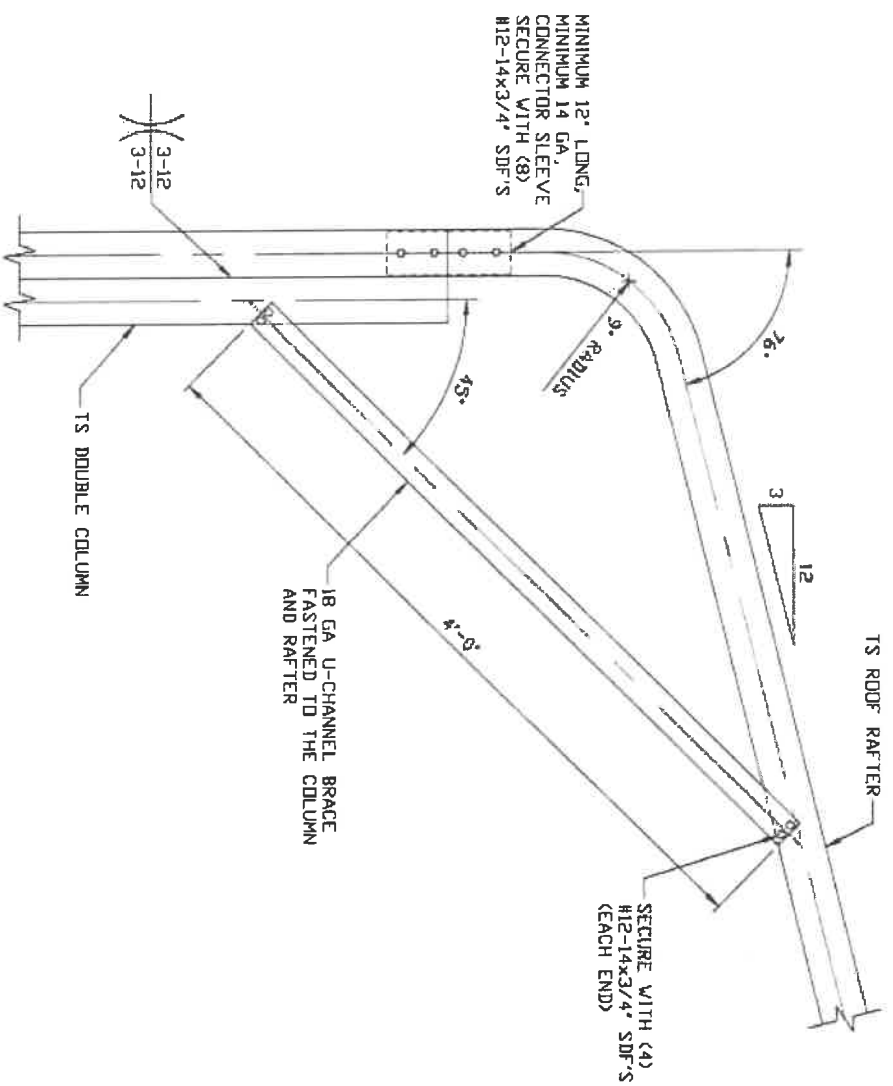
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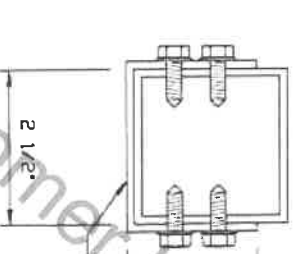
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PROJECT MGR: VSM		PILLOT MOUNTAIN, NC 27041	
CLIENT: JR BUILDINGS		30'-0" x 16'-0" ENCLOSED STRUCTURE	
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SHT. 7A	DWG. NO: SK-3	18348S/19129S/20229S	
	REV. 4		



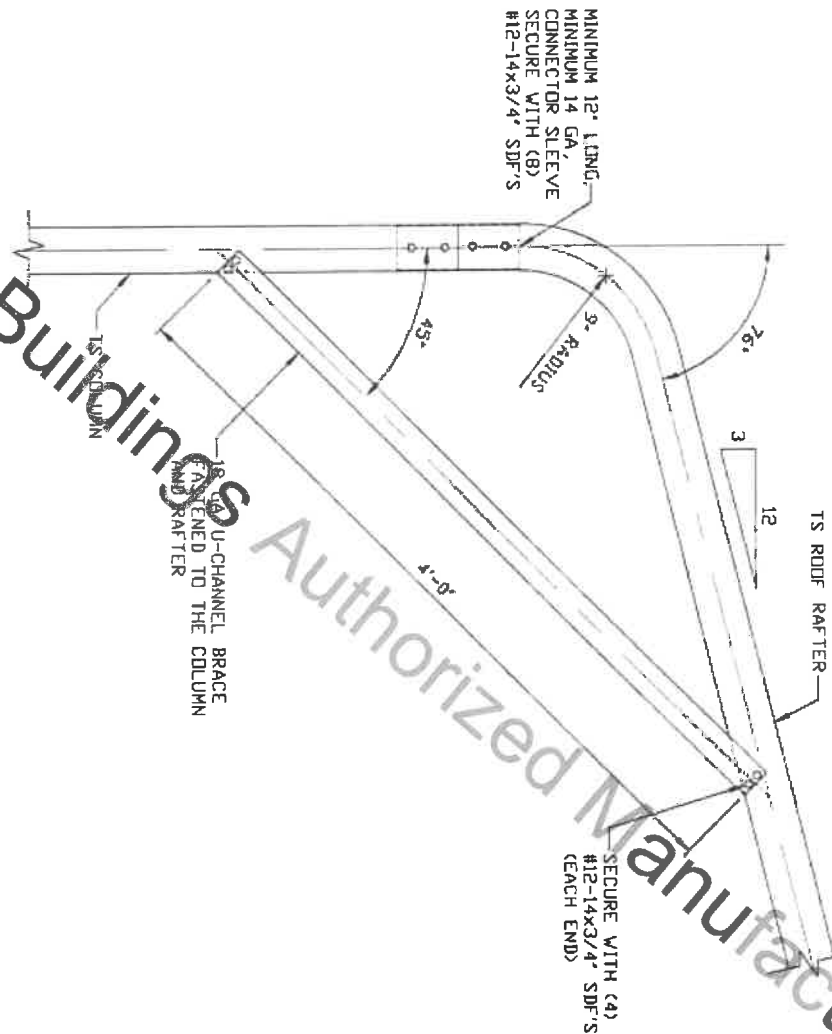
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**BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL**  
 FOR HEIGHTS 12'-0" < TD < 16'-0"  
 SCALE: NTS  
 NOTE: 2'-0" KNEE BRACE MAY BE USED FOR BUILDING WIDTHS < 24'-0".



**BRACE SECTION**  
 SCALE: NTS

18 GA. U-CHANNEL BRACE FASTENED TO THE COLUMN AND ROOF RAFTER WITH (4) #12-14x3/4" SDF'S AT EACH END (8 PER BRACE)



\*1A

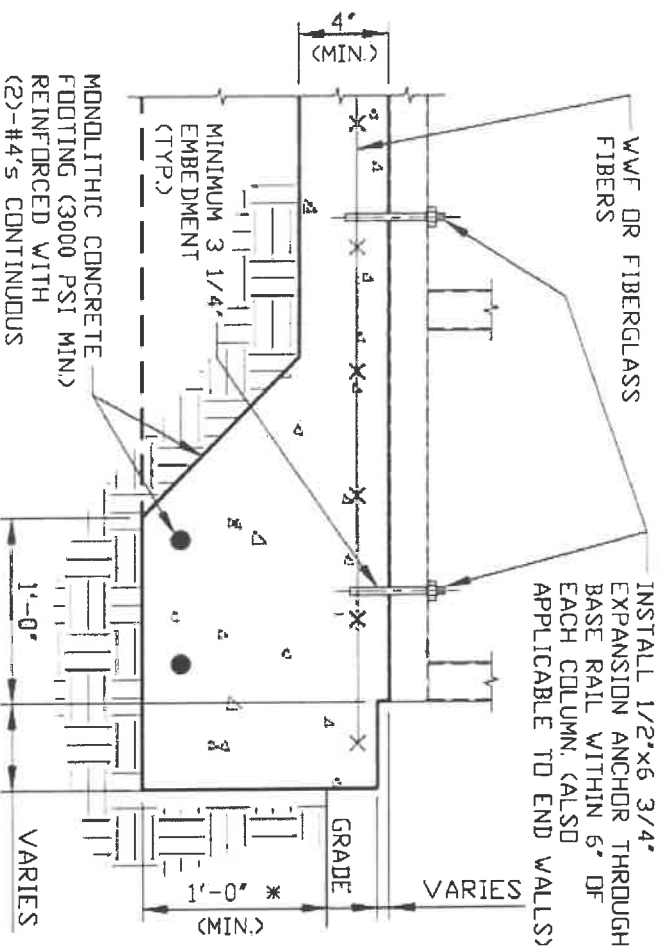
**BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL**  
 FOR HEIGHTS < 12'-0"  
 SCALE: NTS  
 NOTE: 2'-0" KNEE BRACE MAY BE USED FOR BUILDING WIDTHS < 24'-0" AND < 11'-0" EAVE HEIGHT

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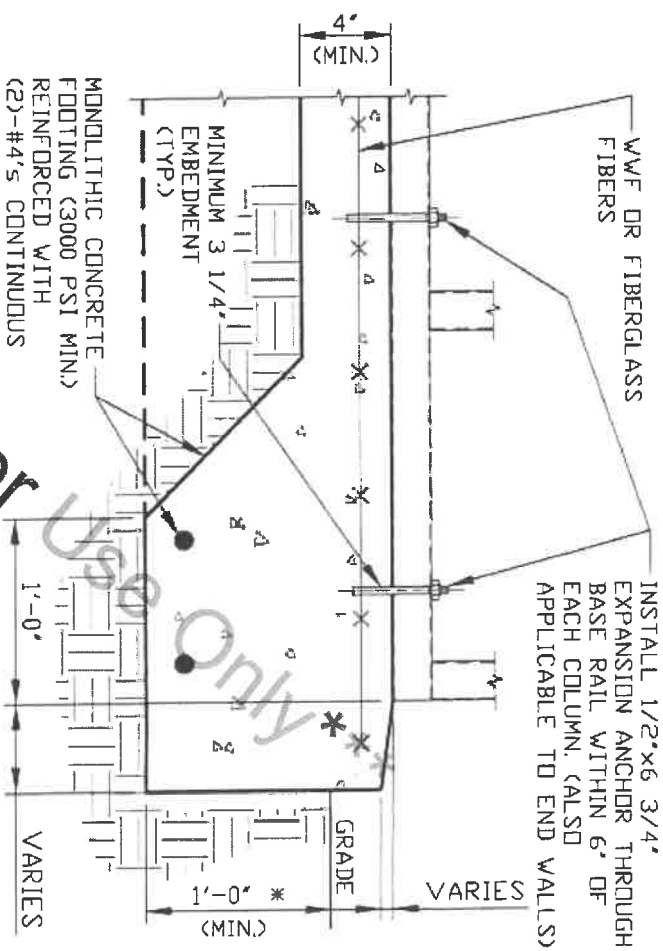
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CLIENT: JR BUILDINGS	DATE: 9-2-20	SCALE: NTS	JOB NO: 18184S/ 18348S/19129S/20229S
	SHT. 8	DWG. NO: SK-3	REV: 4

## BASE RAIL ANCHORAGE OPTIONS



**2**  
CONCRETE MONOLITHIC SLAB  
BASE RAIL ANCHORAGE

SCALE: NTS  
MINIMUM ANCHOR EDGE DISTANCE IS 4".  
\* COORDINATE WITH LOCAL BUILDING CODE AND/OR BUILDING OFFICIAL REGARDING REQUIRED FOOTING DEPTH.



**2A**  
CONCRETE MONOLITHIC SLAB  
BASE RAIL ANCHORAGE

SCALE: 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:

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:

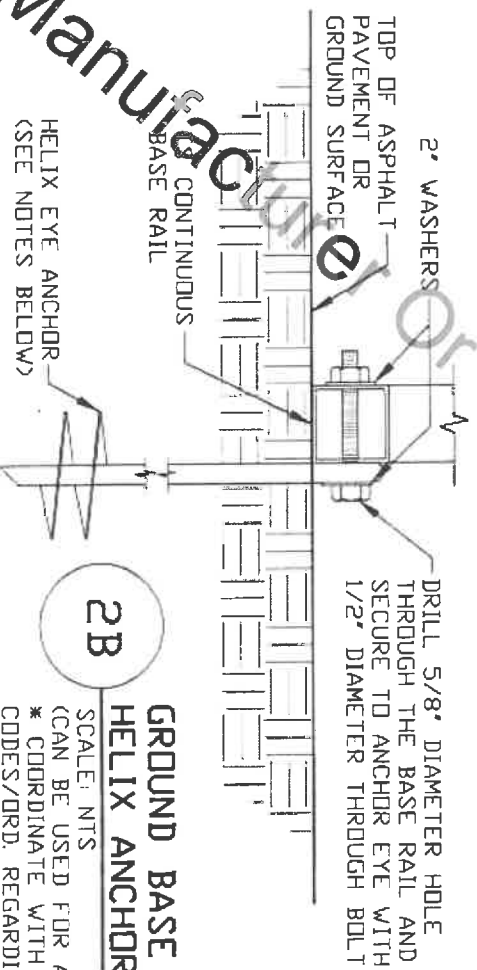
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

### 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, PRELADDED 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) 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 LOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT.



**2B**  
GROUND BASE  
HELIX ANCHORAGE

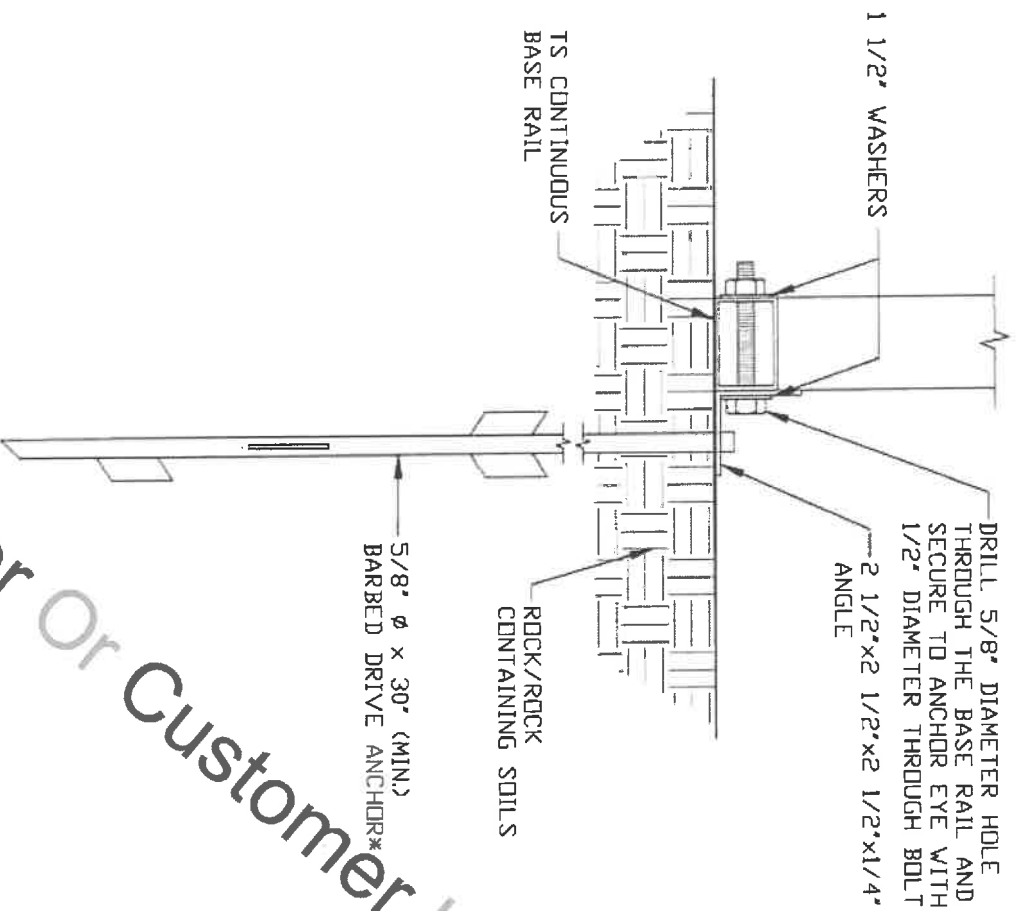
SCALE: NTS  
(CAN BE USED FOR ASPHALT)  
\* COORDINATE WITH LOCAL CODES/ORD. REGARDING MIN. FROST DEPTH (LENGTH).

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DRAWN BY: LT		JK BUILDINGS & GARAGES	
CHECKED BY: PH		316 NELSON STREET	
PROJECT MGR: VSM		PILLOT MOUNTAIN, NC 27041	
DATE: 9-2-20		30'-0" x 16'-0" ENCLOSED STRUCTURE	
SHT. 9		SCALE: NTS	JOB NO: 18184S/
CLIENT: JR BUILDINGS		DWG. NO: SK-3	18348S/19129S/20229S
			REV. 4

**BASE RAIL ANCHORAGE OPTIONS**



2C

**BARBED DRIVE ANCHORAGE**

SCALE: NTS

\* COORDINATE WITH LOCAL CODES/ORD. REGARDING MINIMUM FROST DEPTH REQ.

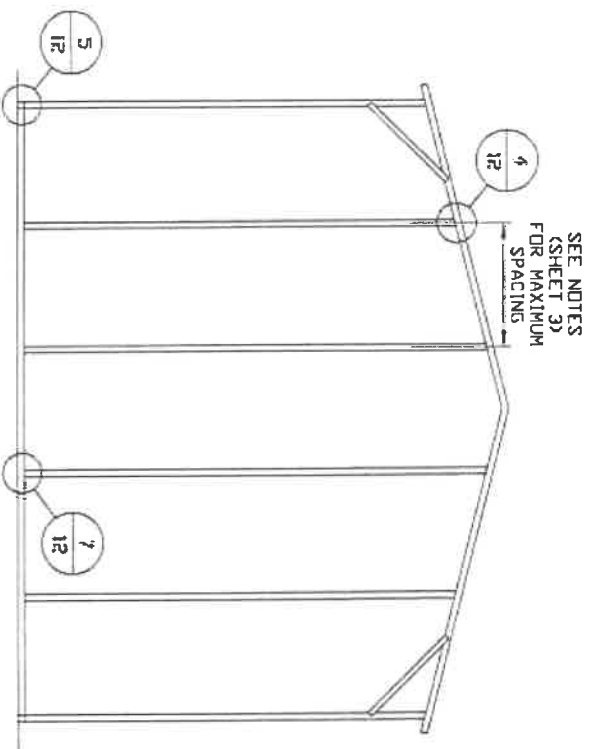
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PROJECT MGR: VSM		PLOT MOUNTAIN, NC 27041	
DATE: 9-2-20		30'-0" x 16'-0" ENCLOSED STRUCTURE	
CLIENT: JR BUILDINGS		SCALE: NTS	
SHT. 9A		JOB NO: 18184S/	
		18348S/19129S/20229S	
		DVG. NO: SK-3	
		REV: 4	

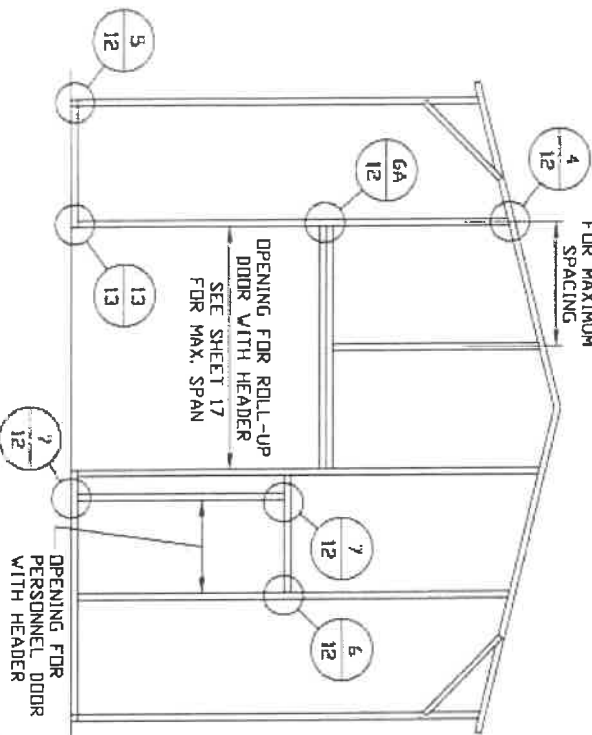
### BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS



**TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION**

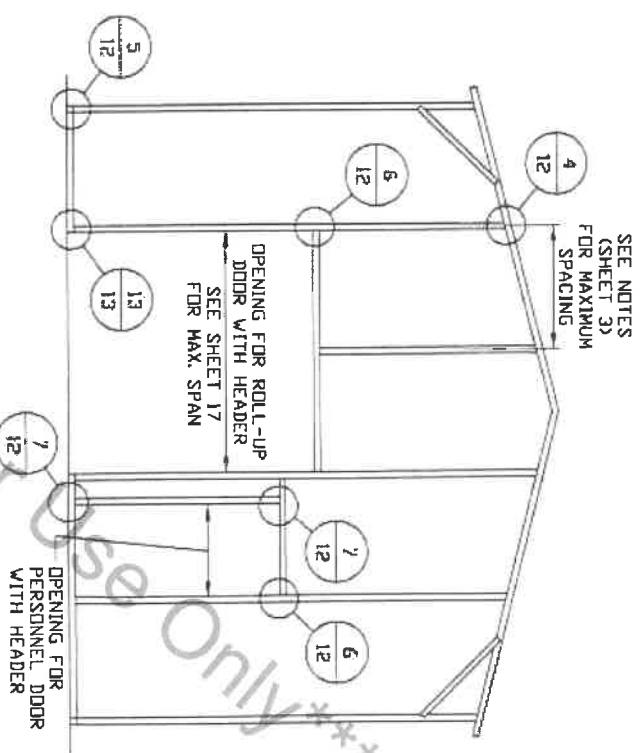
SCALE: NTS

SEE NOTES (SHEET 3) FOR MAXIMUM SPACING



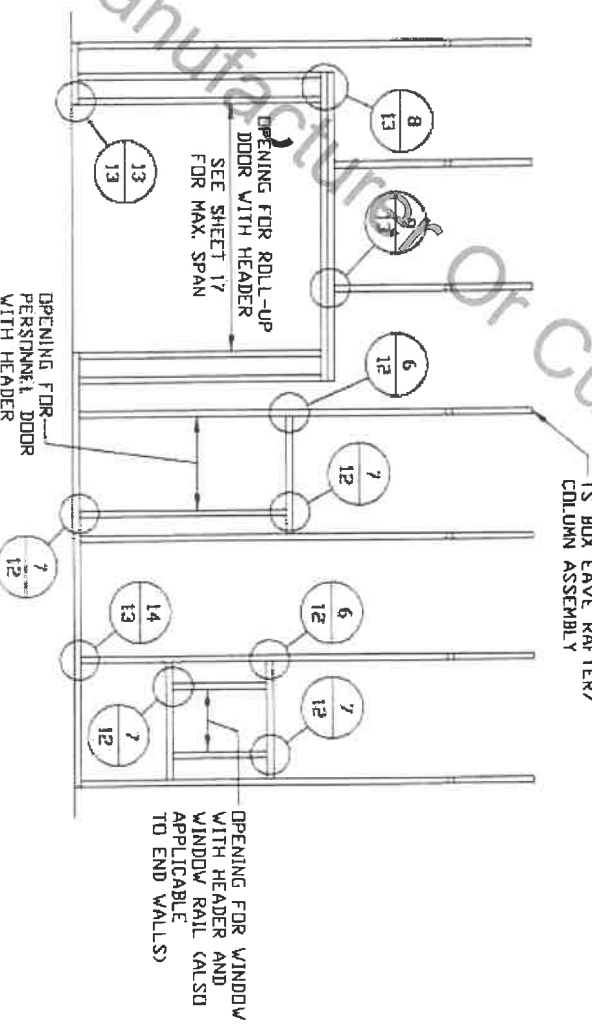
**TYPICAL BOX EAVE RAFTER END WALL OPENINGS FRAMING SECTION**

SCALE: NTS



**TYPICAL BOX EAVE RAFTER END WALL OPENINGS FRAMING SECTION**

SCALE: NTS



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

SCALE: NTS

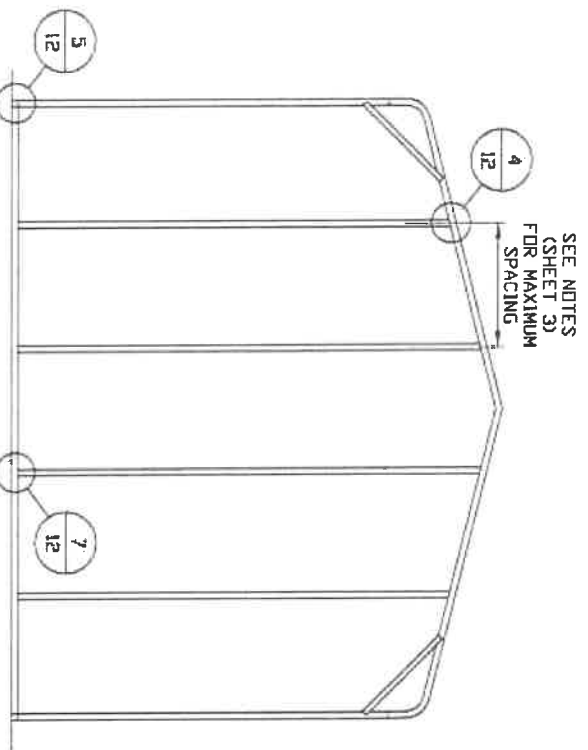
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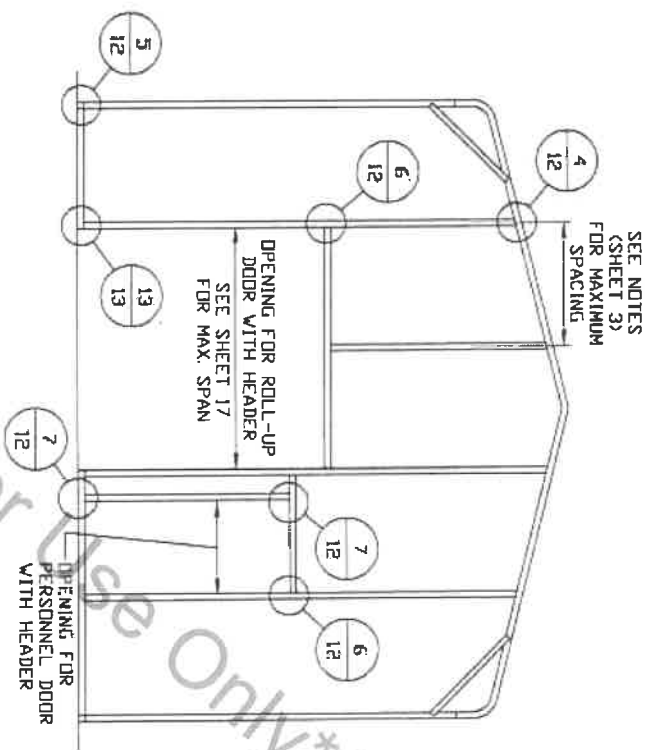
DRAWN BY: LT		JR BUILDINGS & GARAGES	
CHECKED BY: PH		316 NELSON STREET	
PROJECT MGR: VSM		PLOT MOUNTAIN, NC 27041	
DATE: 9-2-20		30'-0" x 16'-0" ENCLOSED STRUCTURE	
CLIENT: JR BUILDINGS	SHT. 10	DWG. NO: SK-3	REV. 4
JOB NO: 18184S/18348S/19129S/20229S		SCALE: NTS	

### BOW EAVE RAFTER END WALL AND SIDE WALL OPENINGS



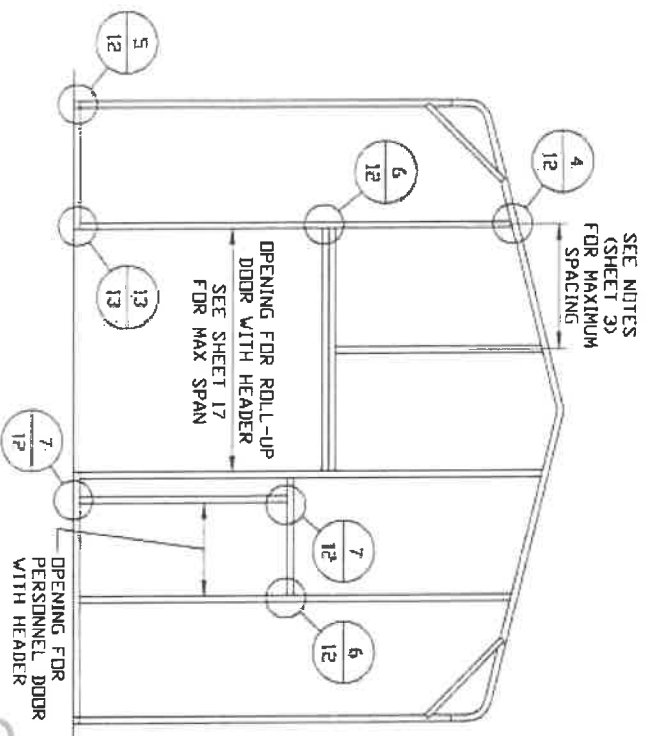
TYPICAL BOW EAVE RAFTER  
END WALL FRAMING SECTION

SCALE: NTS



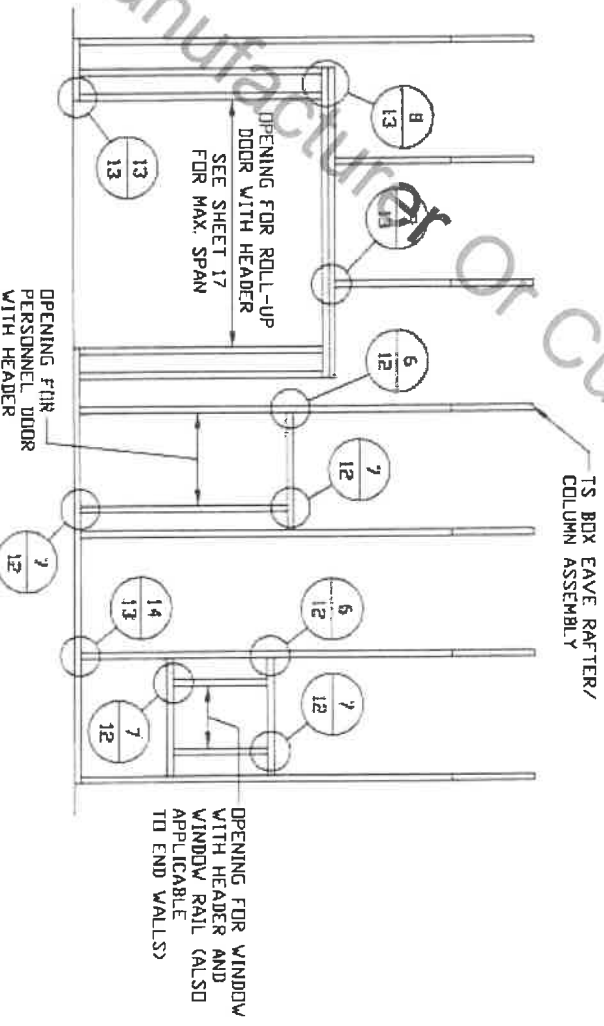
TYPICAL BOW EAVE RAFTER END  
WALL OPENINGS FRAMING SECTION

SCALE: NTS



TYPICAL BOW EAVE RAFTER END  
WALL OPENINGS FRAMING SECTION

SCALE: NTS



TYPICAL BOW EAVE RAFTER  
SIDE WALL OPENINGS FRAMING SECTION

SCALE: NTS

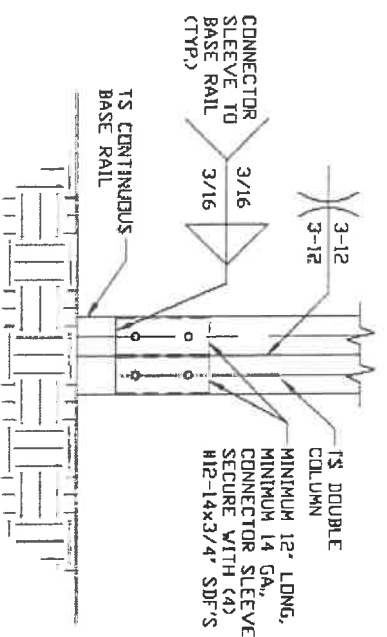
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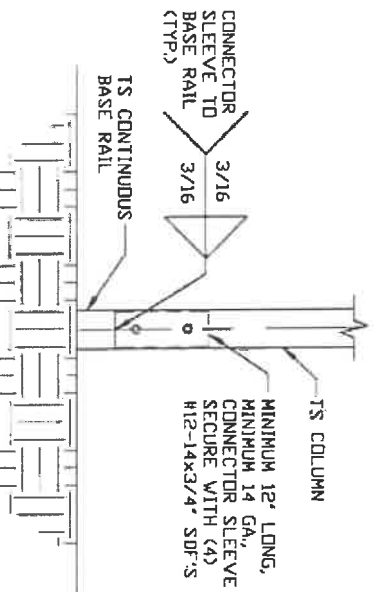
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CHECKED BY: PH		316 NELSON STREET	
PROJECT MGR: VSM		PILOT MOUNTAIN, NC 27041	
DATE: 9-2-20		30'-0" x 16'-0" ENCLOSED STRUCTURE	
CLIENT: JR BUILDINGS		SCALE: NTS	
SHT. 11		JOB NO: 18184S/ 18348S/19129S/20229S	
		DWG. NO: SK-3	
		REV: 4	

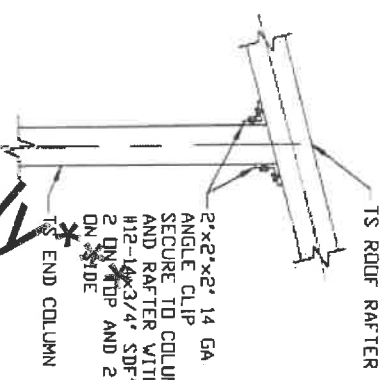
## CONNECTION DETAILS



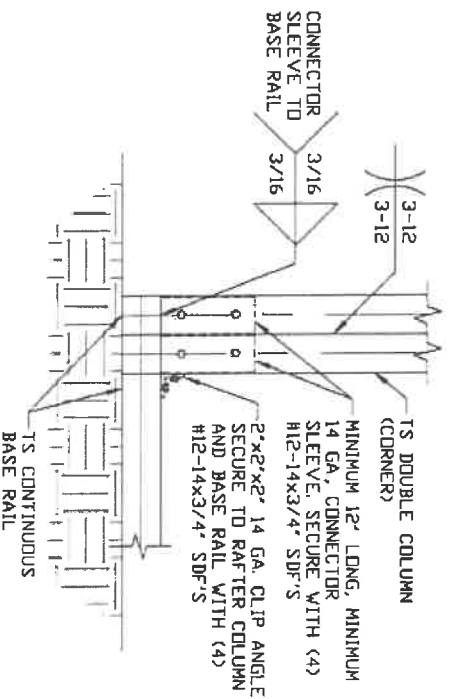
**3**  
POST/BASE RAIL  
CONNECTION DETAIL  
SCALE: NTS



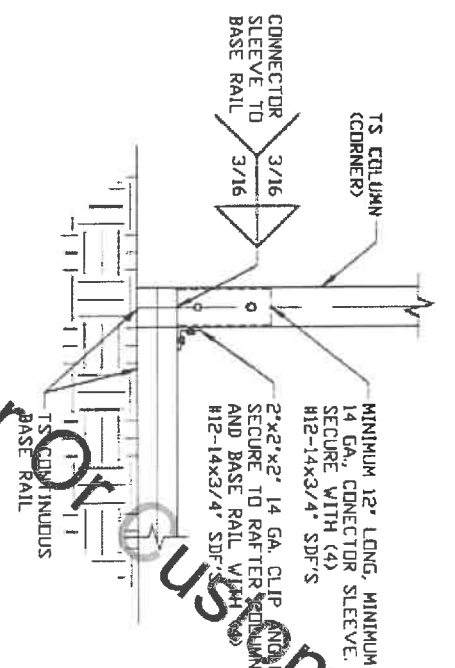
**3A**  
POST/BASE RAIL  
CONNECTION DETAIL  
SCALE: NTS



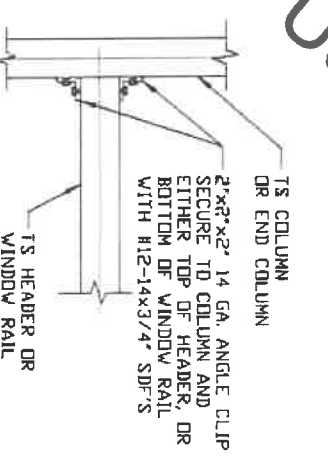
**4**  
END COLUMN/RAFTER  
CONNECTION DETAIL  
SCALE: NTS



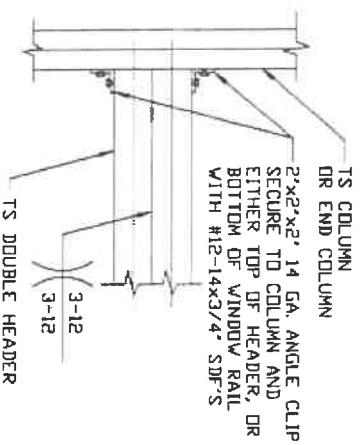
**5**  
END COLUMN/BASE RAIL  
CONNECTION DETAIL  
SCALE: NTS



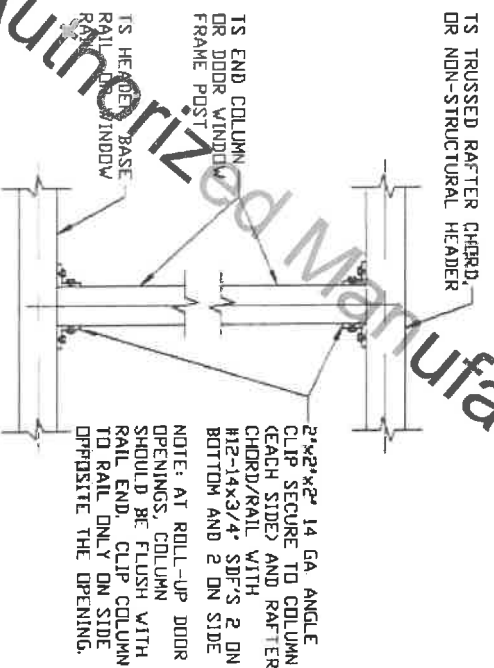
**5A**  
END COLUMN/BASE RAIL  
CONNECTION DETAIL  
SCALE: NTS



**6**  
COLUMN OR WINDOW  
RAIL/WALL GIRT  
TO POST  
CONNECTION DETAIL  
SCALE: NTS



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



**7**  
COLUMN TO HEADER,  
BASE RAIL, OR  
WINDOW RAIL  
CONNECTION DETAIL  
SCALE: NTS

Customer Use Only

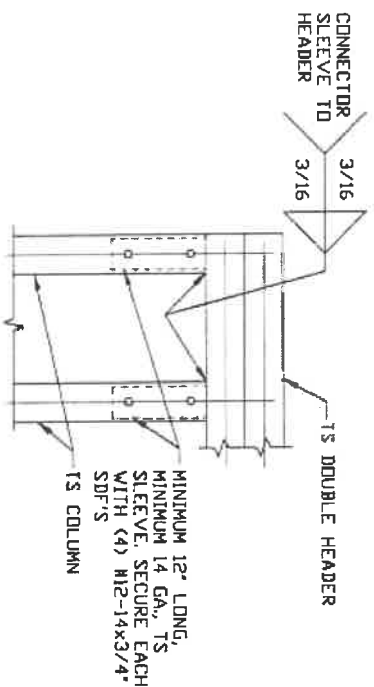
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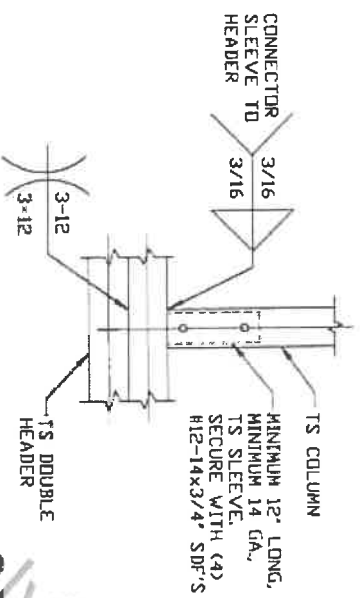
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DRAWN BY: LT CHECKED BY: PH	JR BUILDINGS & GARAGES 316 NELSON STREET PILOT MOUNTAIN, NC 27041 30'-0" x 16'-0" ENCLOSED STRUCTURE	PROJECT MGR: VSM DATE: 9-2-20 SCALE: NTS JOB NO: 18184S/ 18348S/19129S/20229S
CLIENT: JR BUILDINGS	SH1. 12	DVG. NO: SK-3 REV. 4

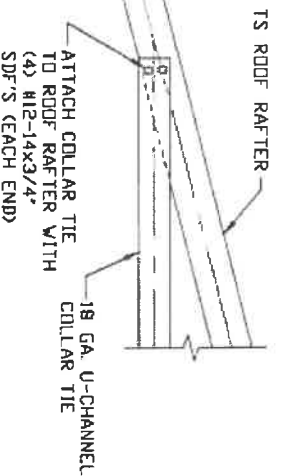
## CONNECTION DETAILS



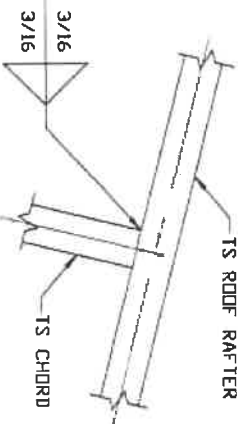
**8**  
DOUBLE HEADER/COLUMN  
CONNECTION DETAIL  
SCALE: NTS



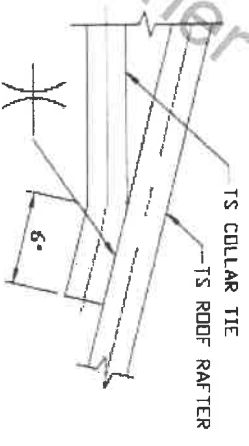
**9**  
COLUMN/DOUBLE HEADER  
CONNECTION DETAIL  
SCALE: NTS



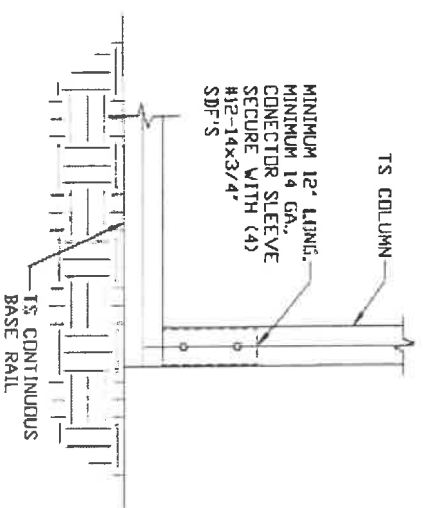
**10**  
COLLAR TIE  
CONNECTION DETAIL  
SCALE: NTS



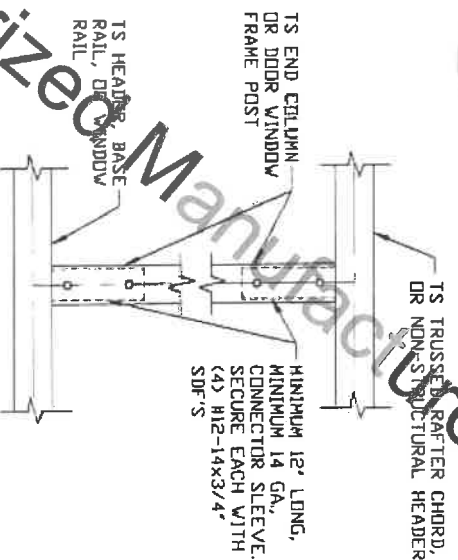
**11**  
RAFTER TO CHORD  
CONNECTION DETAIL  
SCALE: NTS



**12**  
COLLAR TIE  
CONNECTION DETAIL  
SCALE: NTS



**13**  
COLUMN/BASE RAIL  
CONNECTION DETAIL  
SCALE: NTS



**14**  
COLUMN TO HEADER  
OR BASE RAIL  
CONNECTION DETAIL  
SCALE: NTS

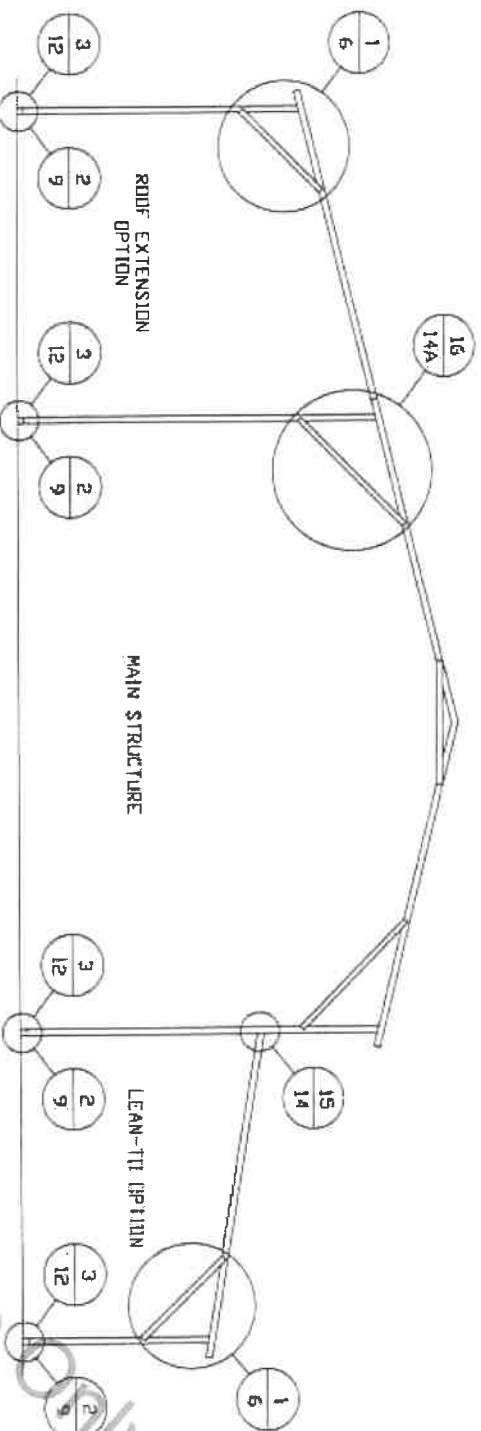
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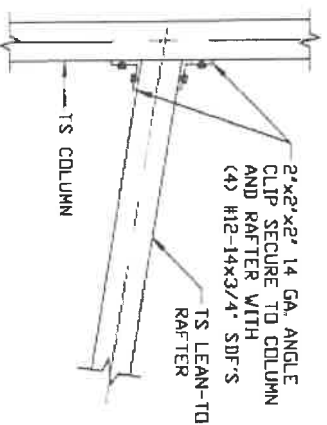
JR BUILDINGS & GARAGES		316 NELSON STREET	
DRAWN BY: LT		PILOT MOUNTAIN, NC 27041	
CHECKED BY: PH		30'-0" x 16'-0" ENCLOSED STRUCTURE	
PROJECT MGR: VSM	DATE: 9-2-20	SCALE: NTS	JOB NO: 18184S/ 18348S/19129S/20229S
CLIENT: JR BUILDINGS	SHT. 13	DWG. NO: SK-3	REV. 4

## BOX EAVE RAFTER LEAN-TO OPTIONS

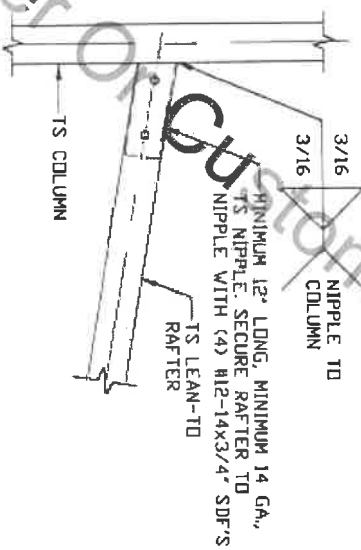


### TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

SCALE: NTS  
 MAXIMUM WIDTH OF ROOF EXTENSION AND LEAN-TO OPTION IS 12'-0".  
 FOR SHARED COLUMN HEIGHTS REFERENCE RAFTER COLUMN CONNECTION DETAILS FOR APPROPRIATE COLUMN HEIGHT AND TUBING SPECIFICATIONS.



**15**  
 LEAN-TO RAFTER TO RAFTER POST CONNECTION DETAIL FOR WIDTHS  $\leq$  12'-0"  
 SCALE: NTS



**15A**  
 OPTIONAL LEAN-TO RAFTER TO RAFTER POST CONNECTION DETAIL FOR WIDTHS  $\leq$  12'-0"  
 SCALE: NTS

\*\*\* JR Buildings Authorized Manufacturer \*\*\*

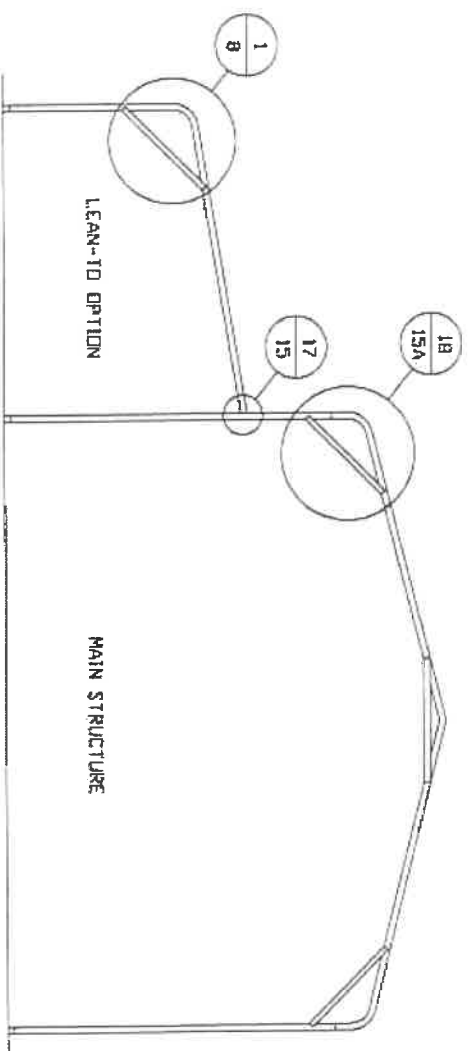
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JR BUILDINGS & GARAGES			
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CHECKED BY: PH		PILOT MOUNTAIN, NC 27041	
PROJECT MGR: VSM		30'-0" x 16'-0" ENCLOSED STRUCTURE	
CLIENT: JR BUILDINGS	DATE: 9-2-20	SCALE: NTS	JOB NO: 18184S/18348S/19129S/20229S
	SHT. 14	DWG. NO: SK-3	REV: 4

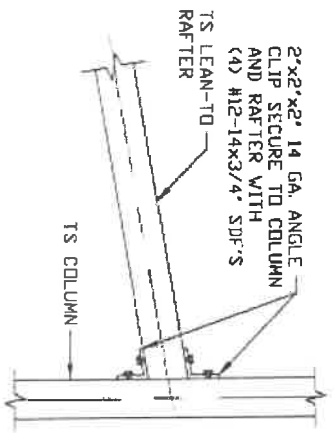


## BOW EAVE RAFTER LEAN-TO OPTIONS

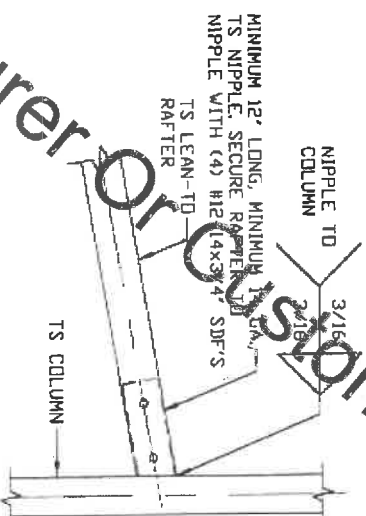


### TYPICAL BOW EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION

SCALE: NTS  
 MAXIMUM WIDTH OF LEAN-TO OPTION IS 12'-0".  
 FOR SHARED COLUMN HEIGHTS REFERENCE RAFTER COLUMN CONNECTION DETAILS FOR APPROPRIATE COLUMN HEIGHT AND TUBING SPECIFICATIONS.



17  
 LEAN-TO RAFTER TO  
 RAFTER POST  
 CONNECTION DETAIL  
 FOR WIDTHS < 12'-0"  
 SCALE: NTS



17A  
 OPTIONAL LEAN-TO  
 RAFTER TO RAFTER  
 POST CONNECTION DETAIL  
 FOR WIDTHS < 12'-0"  
 SCALE: NTS

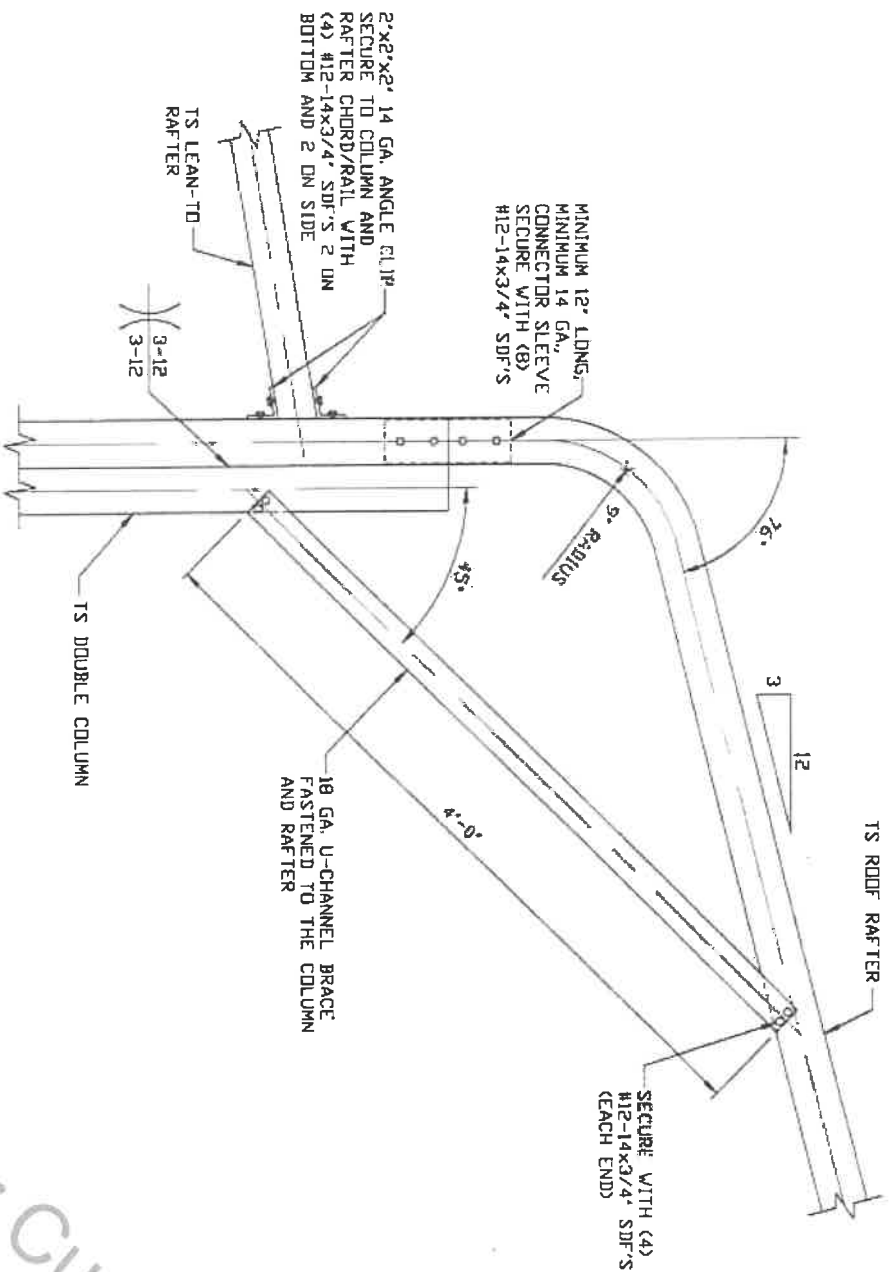
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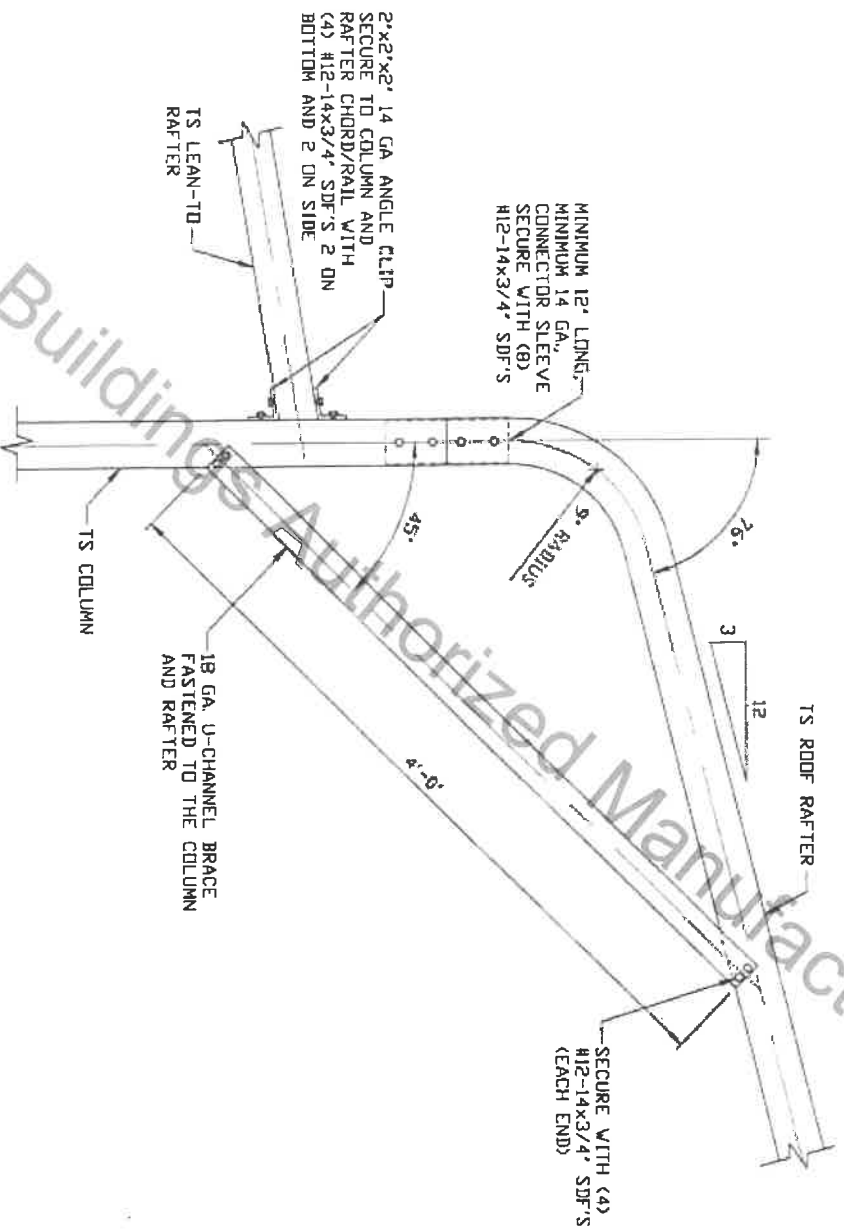
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<b>CHECKED BY:</b> PH	316 NELSON STREET		
<b>PROJECT MGR:</b> VSM	PILOT MOUNTAIN, NC 27041		
<b>CLIENT:</b> JR BUILDINGS	30'-0" x 16'-0" ENCLOSED STRUCTURE		
<b>DATE:</b> 9-2-20	<b>SCALE:</b> NTS	<b>JOB NO:</b> 18184S/	<b>REV:</b> 4
<b>SHT. 15</b>	<b>DWG. NO:</b> SK-3	<b>18348S/19129S/20229S</b>	

**BOW RAVE RAFTER LEAN-TO OPTIONS FOR RAFTER SPANS ≤ 12'-0"**



18

SIDE EXTENSION RAFTER/  
COLUMN DETAIL FOR  
HEIGHTS 12'-0" < TD ≤ 16'-0"  
SCALE: NTS



18A

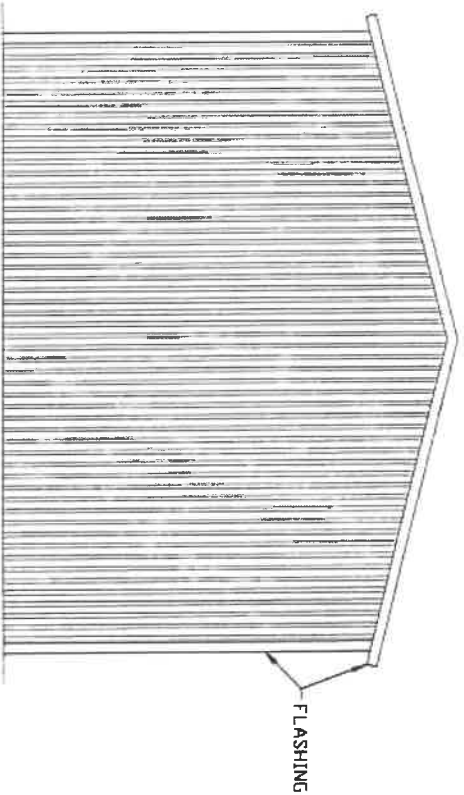
SIDE EXTENSION RAFTER/  
COLUMN DETAIL FOR  
HEIGHTS ≤ 12'-0"  
SCALE: NTS

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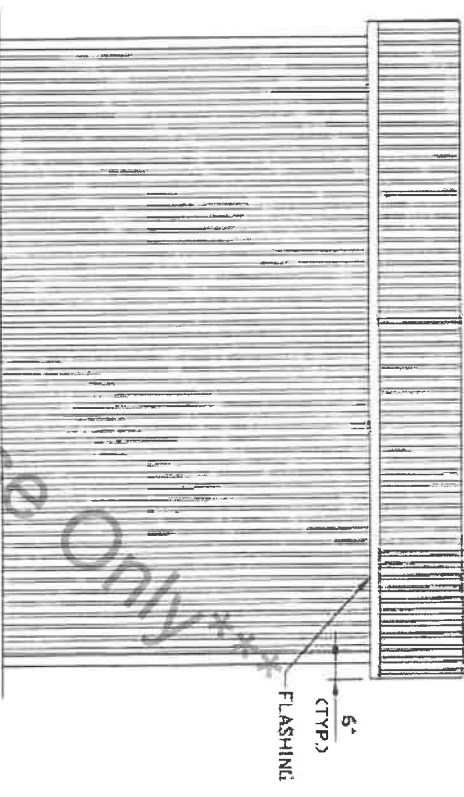
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CHECKED BY: PH		316 NELSON STREET	
PROJECT MGR: VSM		PILOT MOUNTAIN, NC 27041	
DATE: 9-2-20		30'-0" x 16'-0" ENCLOSED STRUCTURE	
CLIENT: JR BUILDINGS	SHT. 15A	DWG. NO: SK-3	JOB NO: 18184S/ 18348S/19129S/20229S
			REV: 4

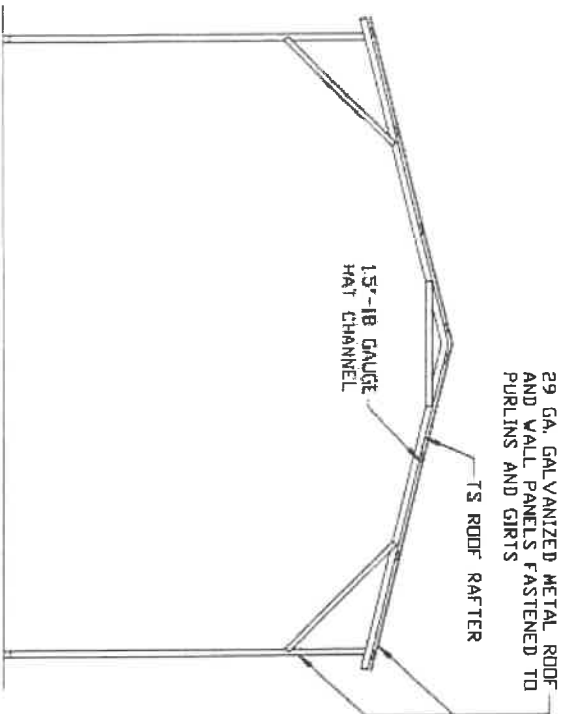
**BOX RAFTER VERTICAL ROOF/SIDING OPTION**



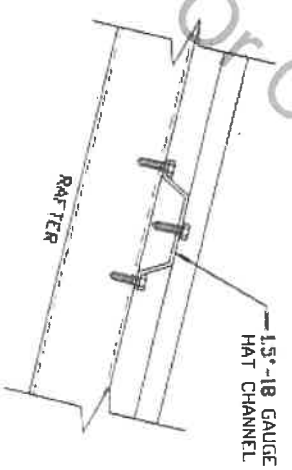
**TYPICAL END ELEVATION  
VERTICAL ROOF/SIDING**  
SCALE: NTS



**TYPICAL SIDE ELEVATION  
VERTICAL ROOF/SIDING**  
SCALE: NTS



**TYPICAL SECTION VERTICAL  
ROOF/SIDING OPTION**  
SCALE: NTS



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

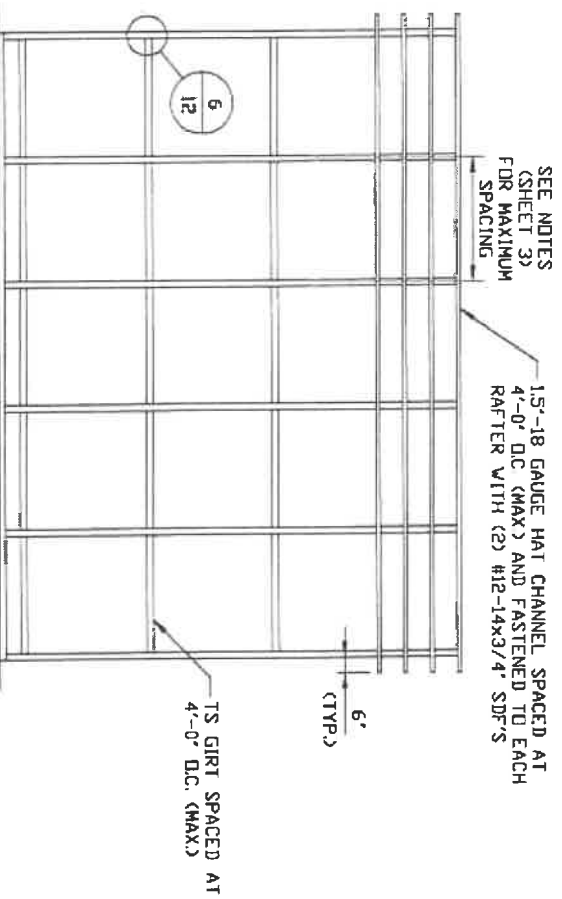
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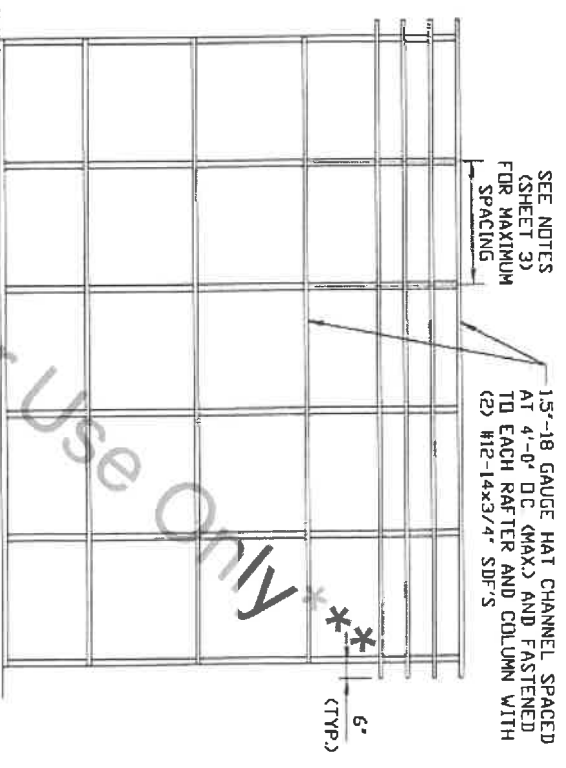
DRAWN BY: LT		JR BUILDINGS & GARAGES	
CHECKED BY: PH		316 NELSON STREET	
PROJECT MGR: VSM		PIL OT MOUNTAIN, NC 27041	
CLIENT: JR BUILDINGS		30'-0"X16'-0" ENCLOSED STRUCTURE	
DATE: 9-2-20	SCALE: NTS	JOB NO: 18184S/	
SHT. 16	DWG. NO. SK-3	18348S/19129S/20229S	REV. 4

## BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



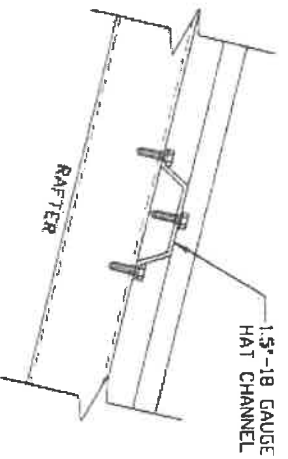
**TYPICAL FRAMING SECTION VERTICAL ROOF/SIDING OPTION WITH TS GIRTS**

SCALE: NTS



**TYPICAL FRAMING SECTION VERTICAL ROOF/SIDING OPTION WITH HAT CHANNEL GIRTS**

SCALE: NTS



**PANEL ATTACHMENT**

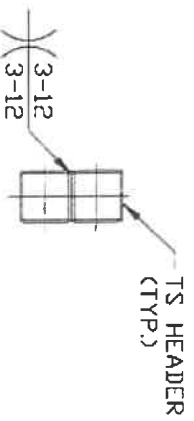
(ALTERNATE FOR VERTICAL ROOF PANELS)

SCALE: NTS

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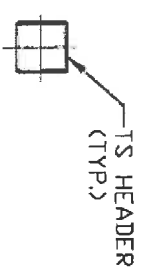
<b>MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.</b>		<b>JR BUILDINGS &amp; GARAGES</b> 316 NELSON STREET PLOT MOUNTAIN, NC 27041 30'-0" x 16'-0" ENCLOSED STRUCTURE	
DRAWN BY: LT		DATE: 9-2-20	JOB NO: 18184S/ 18348S/19129S/20229S
CHECKED BY: PH		PROJECT MGR: VSM	SCALE: NTS
CLIENT: JR BUILDINGS		SHI: 16A	DWG NO: SK-3
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**SIDE WALL HEADER OPTIONS**



HEADER DETAIL FOR  
7'-0" < LENGTH < 12'-0"

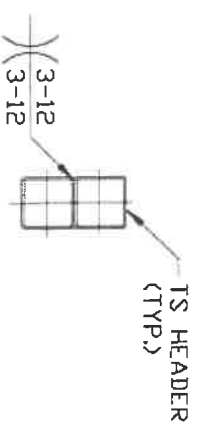
SCALE: NTS



HEADER DETAIL FOR  
DOOR OPENINGS < 7'-0"

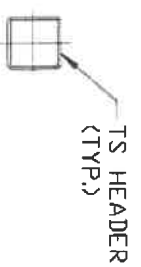
SCALE: NTS

**END WALL HEADER OPTIONS**



HEADER DETAIL FOR  
12'-0" < LENGTH < 20'-0"

SCALE: NTS



HEADER DETAIL FOR  
DOOR OPENINGS < 12'-0"

SCALE: NTS

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DRAWN BY: LT		JR BUILDINGS & GARAGES	
CHECKED BY: PH		316 NELSON STREET	
PROJECT MGR: VSM		PLOT MOUNTAIN, NC 27041	
CLIENT: JR BUILDINGS		30'-0" x 16'-0" ENCLOSED STRUCTURE	
DATE: 9-2-20	SCALE: NTS	JOB NO: 18184S/	
SHT. 17	DWG. NO: SK-3	18348S/19129S/20229S	REV: 4