

**Eagle Carports**

*"Flying High with Great Deals"*



**STRUCTURAL DESIGN**

**ENCLOSED BUILDING**

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

**19 August 2021**

**Revision 9**

**M&A Project No. 16166S/17207S/17293S/18012S/18260S/19320S/21169S**

**Prepared for:**

**Eagle Carports  
210 Airport Road  
Mount Airy, NC 27030**

**Prepared by:**

**Moore and Associates Engineering and Consulting, Inc.**

**1009 East Avenue  
North Augusta, SC 29841**





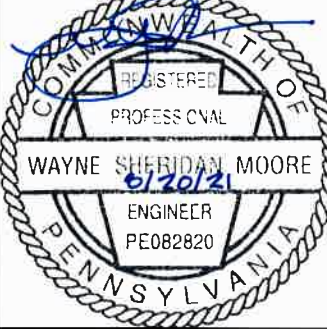

**401 S. Main Street, Suite 200  
Mount Airy, NC 27030**



**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING**

		<p>I HAVE RESEARCHED THIS CHAPTER AND THE LOUISIANA STATE UNIFORM CONSTRUCTION CODE AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE DRAWINGS ARE IN COMPLIANCE THEREWITH. I TAKE FULL RESPONSIBILITY FOR THE CONTENTS OF THESE PLANS.</p>	

<p><b>MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.</b></p>	<p>DRAWN BY: LT</p>	<p>EAGLE CARPORTS 210 AIRPORT ROAD MOUNT AIRY, NC 27030 30'-0"x20'-0" SP ENCLOSED STRUCTURE</p>		
	<p>CHECKED BY: PDH</p>	<p>PROJECT MGR: WSM</p>	<p>DATE: 8-19-21</p>	<p>SCALE: NTS JOB NO: 16166S/ 18260S/19320S/21169S</p>
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	<p><b>Professional Certification.</b> I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 49744, Expiration Date <del>6/20/21</del> <u>6/22/2022</u></p>		
			
			
			

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	CLIENT: EAGLE CARPORTS			

## 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 ALL THE APPLICABLE BUILDING CODES LISTED ON SHEET 3A.
3. DESIGN LOADS ARE AS FOLLOWS:
  - A) DEAD LOAD = 15 PSF
  - B) LIVE LOAD = 12 PSF
  - C) GROUND SNOW LOAD = 35 PSF
 NOTE: UNBALANCED LOADING DUE TO SNOW DRIFTING FROM AN ADJACENT TALLER STRUCTURE HAS NOT BEEN EVALUATED
4. 3-SECOND GUST ULTIMATE WIND SPEED ( $V_{ULT}$ ) 105 TO 140 MPH (NOMINAL WIND SPEED 81 TO 108 MPH)
5. MAXIMUM RAFTER/POST AND END POST SPACING = 50 FEET (UNLESS NOTED OTHERWISE)
6. END WALL COLUMNS (POSTS) ARE EQUIVALENT TO SIDE WALL POSTS IN SIZE AND SPACING UNLESS NOTED OTHERWISE
7. RISK CATEGORY I
8. WIND EXPOSURE CATEGORY B/C
9. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2"x2 1/2"-14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS
10. AVERAGE PANEL FASTENER SPACING ON-CENTERS = 10" O.C. (MAX)
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. ROOF SLOPES LESS THAN 3:12 REQUIRE USE OF LAP JOINT SEALANT
12. ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL AT OR WITHIN 6" OF EVERY RAFTER COLUMN
13. STANDARD GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBAR W/ WELDED NUT x 36" LONG AND MAY BE USED IN SUITABLE SOILS. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS AS NOTED
14. CONTRACTOR TO PROVIDE ADEQUATE BRACING FOR STRUCTURE SO THAT IT WILL BE STABLE DURING ALL STAGES OF CONSTRUCTION. THE STRUCTURE AND FOUNDATION ARE DESIGNED FOR A COMPLETED CONDITION ONLY AND, THEREFORE, REQUIRE ADDITIONAL SUPPORT TO MAINTAIN STABILITY BEFORE COMPLETION
15. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:
  - SOIL SITE CLASS = D
  - RISK CATEGORY I
  - R= 325                       $I_e = 1.0$
  - $S_{DS} = 2.039\ g$                $V = C_s W$
  - $S_{D1} = 1.258\ g$

Aug22-878

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	CLIENT: EAGLE CARPORTS	SHT. 3	DWG. NO: SK-3	REV: 9

## LIST OF APPLICABLE BUILDING CODES

<p>2018 INTERNATIONAL BUILDING CODE (IBC 2018)</p> <p>2015 INTERNATIONAL BUILDING CODE (IBC 2015)</p> <p>2012 INTERNATIONAL BUILDING CODE (IBC 2012)</p> <p>2009 INTERNATIONAL BUILDING CODE (IBC 2009)</p> <p>2006 INTERNATIONAL BUILDING CODE (IBC 2006)</p> <p>BUILDING CODE 2015 OF ALABAMA (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p> <p>2020 FLORIDA BUILDING CODE, 7TH EDITION</p> <p>GEORGIA STATE MINIMUM STANDARD BUILDING CODE (ADOPTS THE IBC 2018 WITH AMENDMENTS)</p> <p>INDIANA BUILDING CODE, 2014 EDITION (ADOPTS THE IBC 2012 WITH AMENDMENTS)</p> <p>BUILDING CODE 2018 OF KANSAS (ADOPTS THE IBC 2018 WITH AMENDMENTS)</p> <p>2018 KENTUCKY BUILDING CODE (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p> <p>BUILDING CODE 2015 OF LOUISIANA (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p> <p>BUILDING CODE 2018 OF MARYLAND (ADOPTS THE IBC 2018 WITH AMENDMENTS)</p> <p>BUILDING CODE 2015 OF NEW MEXICO (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p> <p>2018 NORTH CAROLINA BUILDING CODE (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p> <p>OHIO BUILDING CODE 2017 (ADOPTS THE 2015 WITH AMENDMENTS)</p> <p>BUILDING CODE 2015 OF OKLAHOMA (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p>	<p>BUILDING CODE 2015 OF PENNSYLVANIA (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p> <p>2018 SOUTH CAROLINA BUILDING CODE (ADOPTS THE IBC 2018 WITH AMENDMENTS)</p> <p>BUILDING CODE 2012 OF TENNESSEE (ADOPTS THE IBC 2012 WITH AMENDMENTS)</p> <p>BUILDING CODE OF THE TEXAS INDUSTRIALIZED HOUSING AND BUILDINGS PROGRAM (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p> <p>2018 VIRGINIA CONSTRUCTION CODE (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p> <p>BUILDING CODE 2015 OF WEST VIRGINIA (ADOPTS THE IBC 2015 WITH AMENDMENTS)</p>
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210 AIRPORT ROAD  
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30'-0"x20'-0" SP ENCLOSED STRUCTURE

**DATE: 8-19-21**

**SCALE: NTS**

**SHT. 3A**

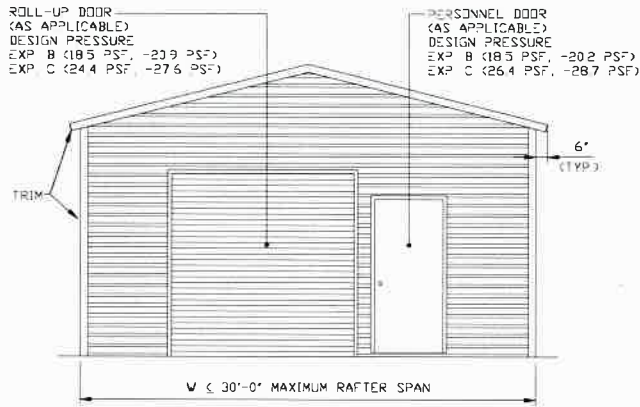
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**JOB NO: 16166S/  
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**REV: 9**

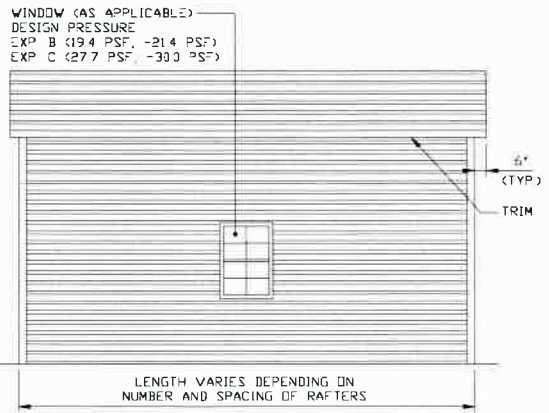
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### BOX EAVE FRAME RAFTER STRUCTURE



**TYPICAL END ELEVATION**

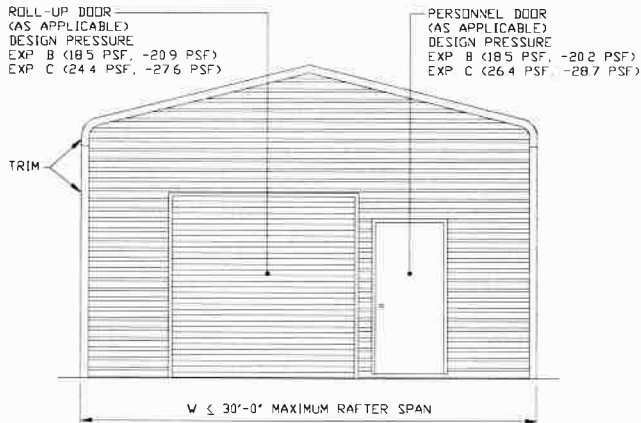
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**TYPICAL SIDE ELEVATION**

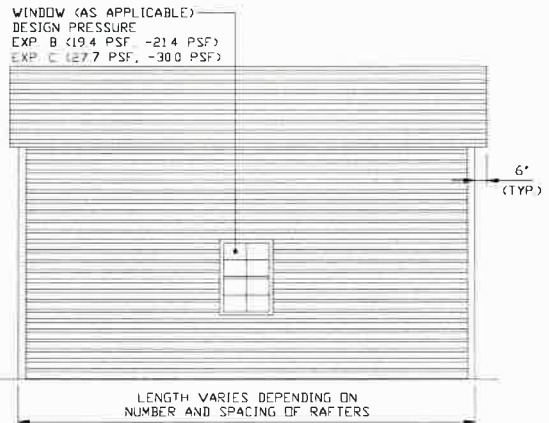
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### BOW FRAME RAFTER STRUCTURE



**TYPICAL END ELEVATION**

SCALE: NTS



**TYPICAL SIDE ELEVATION**

SCALE: NTS

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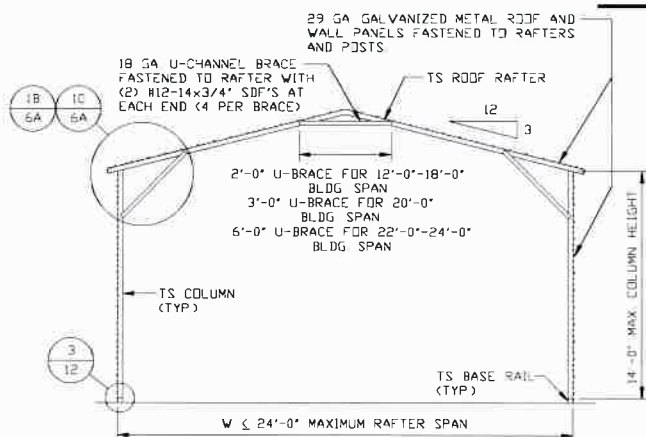
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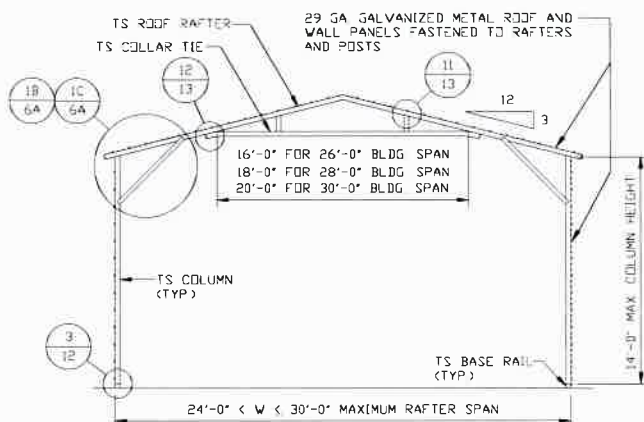
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## EXPOSURE B



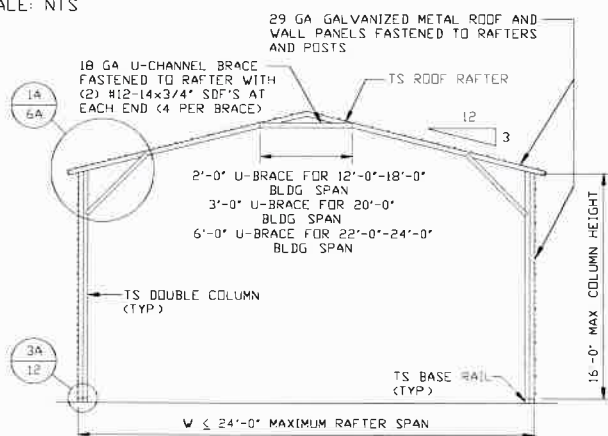
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SCALE: NTS



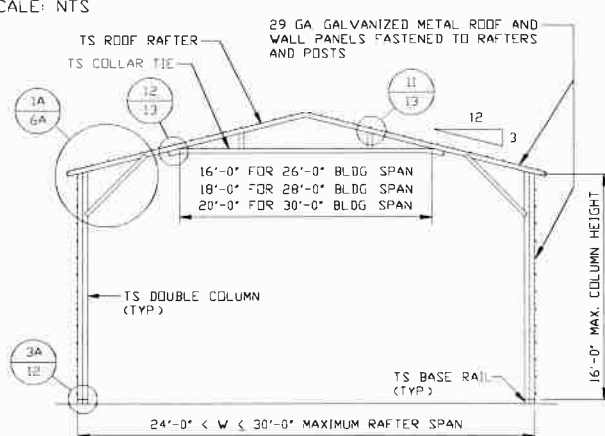
**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS

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**CLIENT: EAGLE CARPORTS**

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 210 AIRPORT ROAD  
 MOUNT AIRY, NC 27030  
 30'-0"x20'-0" SP ENCLOSED STRUCTURE**

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**SHT. 5**

**SCALE: NTS**

**DWG. NO: SK-3**

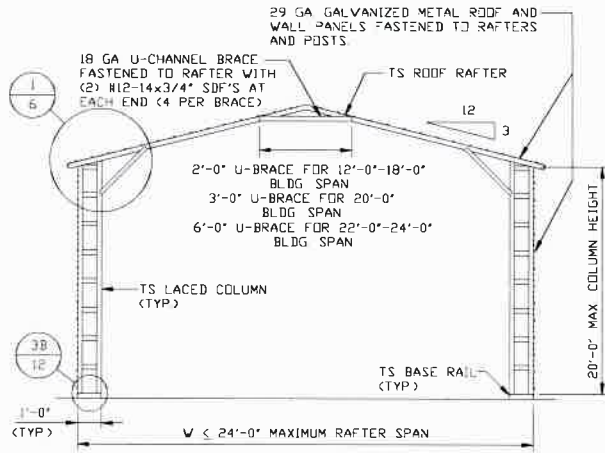
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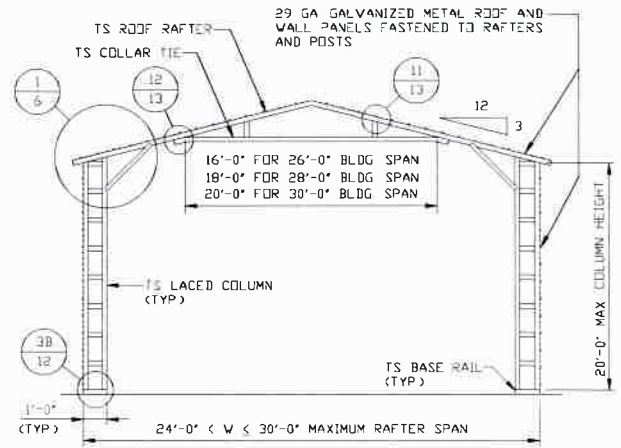
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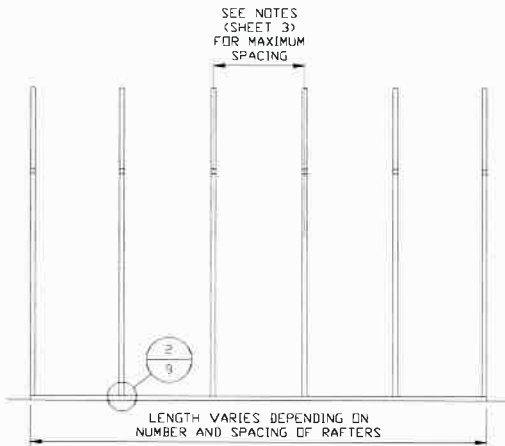
## EXPOSURE B



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



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



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

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**SCALE: NTS**

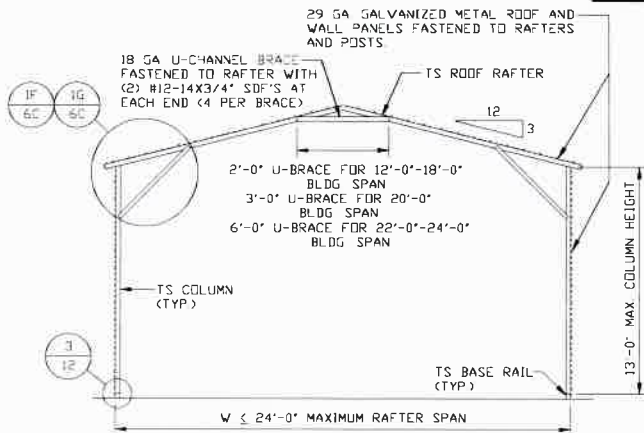
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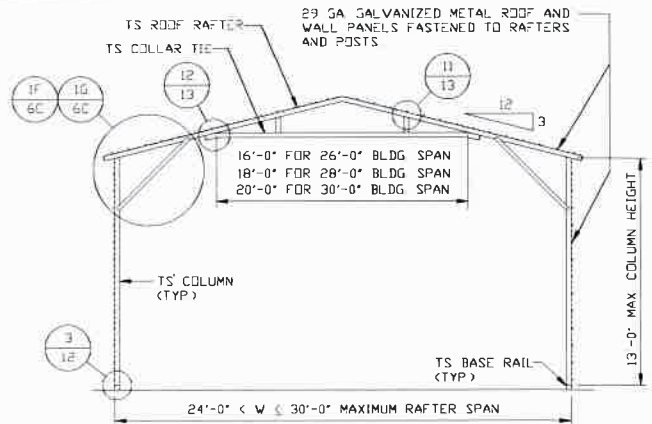
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## EXPOSURE C



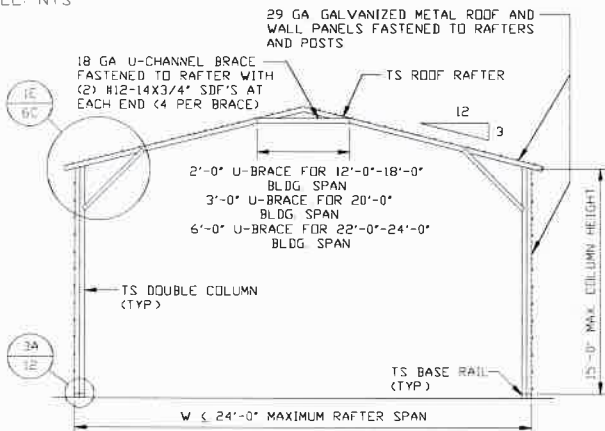
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SCALE: NTS



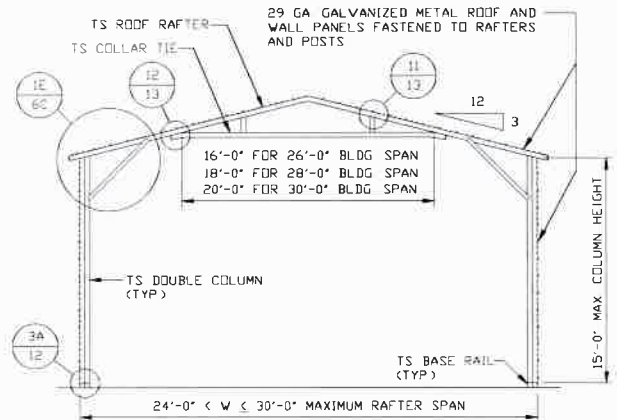
**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS

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**SHT. 5B**

**SCALE: NTS**

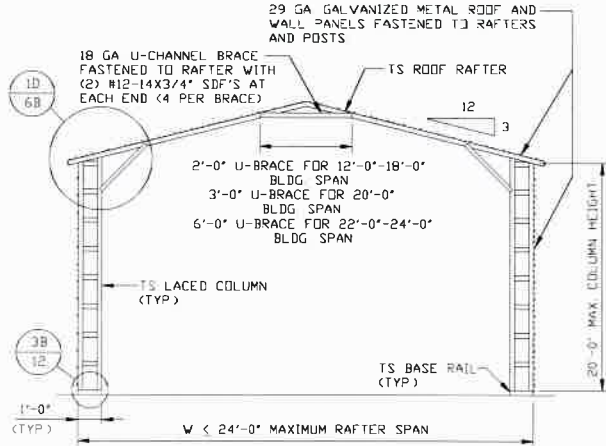
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**REV: 9**

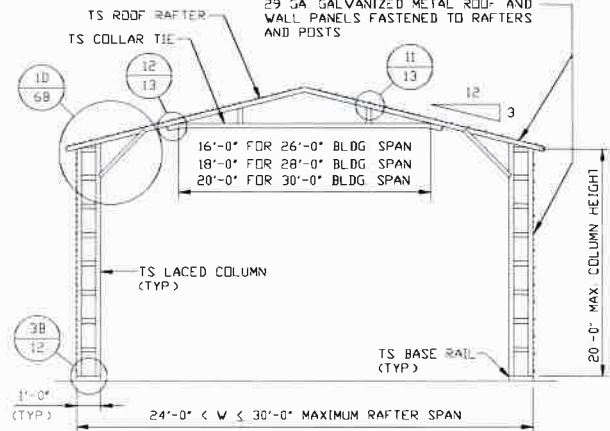
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# EXPOSURE C



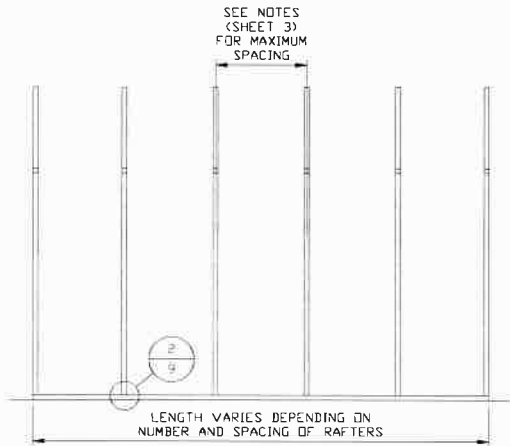
**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION**

SCALE: NTS

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**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

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210 AIRPORT ROAD  
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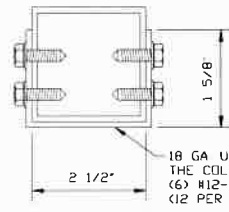
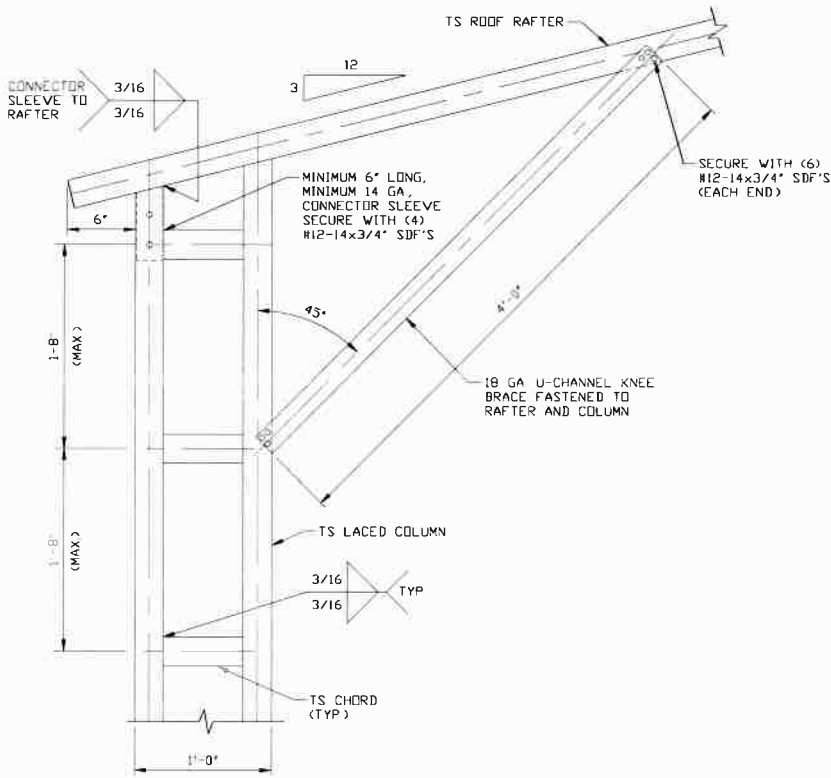
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# EXPOSURE B



**BRACE SECTION**  
SCALE: NTS

**1** BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 16'-0" < TO ≤ 20'-0"  
SCALE: NTS

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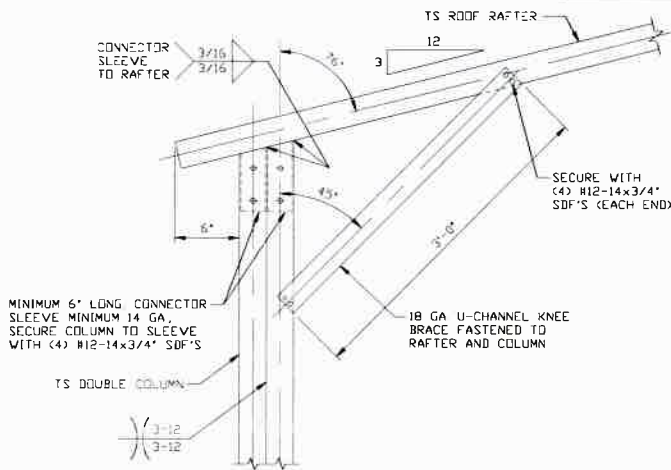
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18260S/19320S/21169S  
**REV:** 9

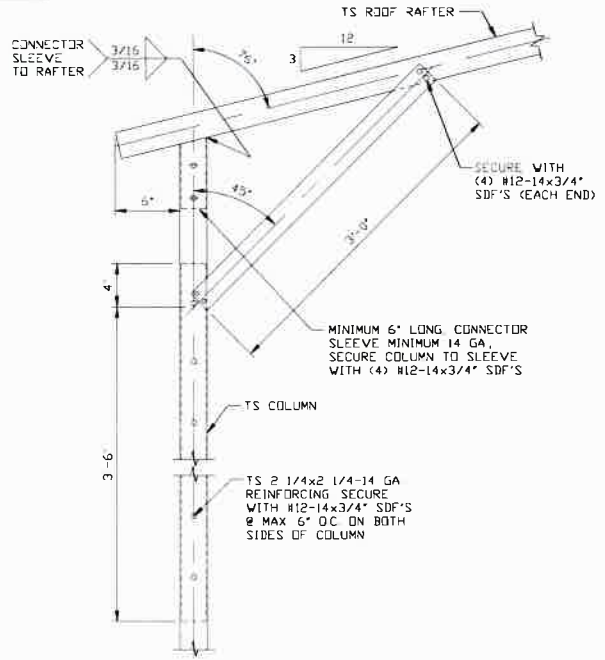
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## EXPOSURE B



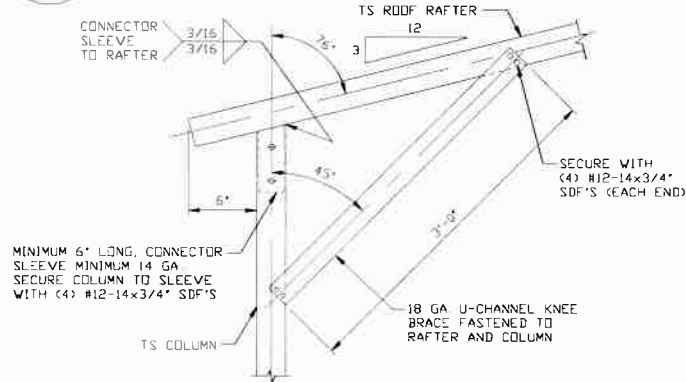
**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 14'-0" < TO <= 16'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
AND <= 105 MPH WIND SPEED  
(12'-0" < TO <= 16'-0" WITH <= 10 PSF  
SNOW LOAD AND 105 MPH < TO <= 140 MPH  
WIND SPEED)**

**1A**  
SCALE: NTS



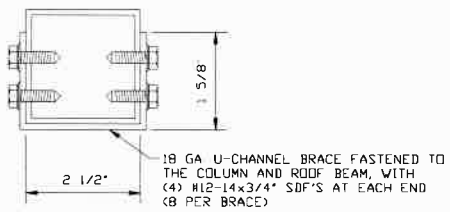
**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 12'-0" < TO <= 14'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
AND <= 105 MPH WIND SPEED  
(11'-0" < TO <= 12'-0" WITH <= 10 PSF  
SNOW LOAD AND 105 MPH < TO <= 140 MPH  
WIND SPEED)**

**1B**  
SCALE: NTS



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS <= 12'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
<= 11'-0" WITH <= 10 PSF SNOW LOAD AND  
105 MPH < TO <= 140 MPH WIND SPEED**

**1C**  
SCALE: NTS



**BRACE SECTION**  
SCALE: NTS

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**  
**CHECKED BY: PDH**  
**PROJECT MGR: WSM**  
**CLIENT: EAGLE CARPORTS**

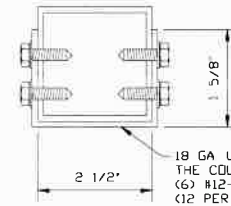
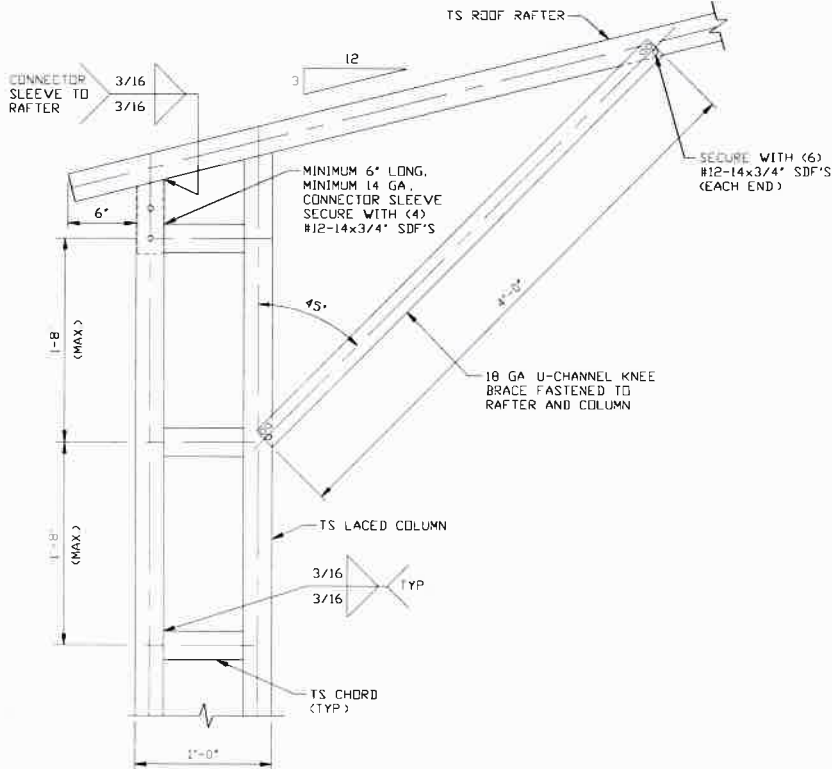
**EAGLE CARPORTS**  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30-0"x20'-0" SP ENCLOSED STRUCTURE

**DATE: 8-19-21**  
**SCALE: NTS**  
**DWG. NO: SK-3**

**JOB NO: 16166S/  
18260S/19320S/21169S**  
**REV: 9**

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# EXPOSURE C



**BRACE SECTION**  
SCALE: NTS

**1D** BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 15'-0" < TO ≤ 20'-0"  
SCALE: NTS

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

**DRAWN BY:** LT  
**CHECKED BY:** PDH  
**PROJECT MGR:** WSM  
**CLIENT:** EAGLE CARPORTS

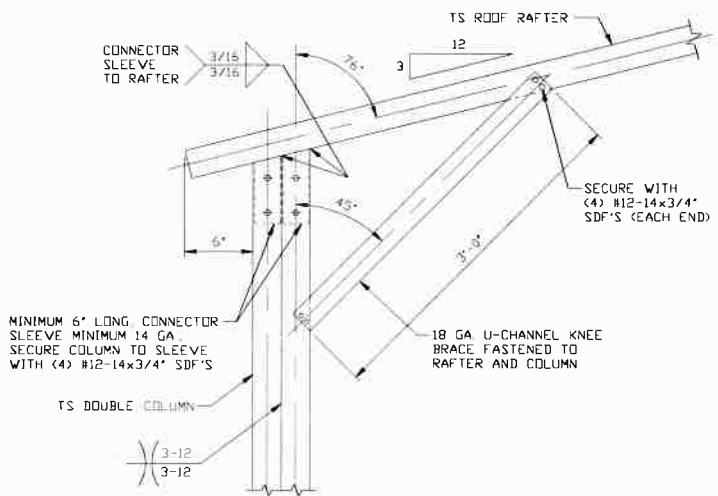
**EAGLE CARPORTS**  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE

**DATE:** 8-19-21  
**SCALE:** NTS  
**SHT.** 6B  
**DWG. NO:** SK-3

**JOB NO:** 16166S/  
18260S/19320S/21169S  
**REV:** 9

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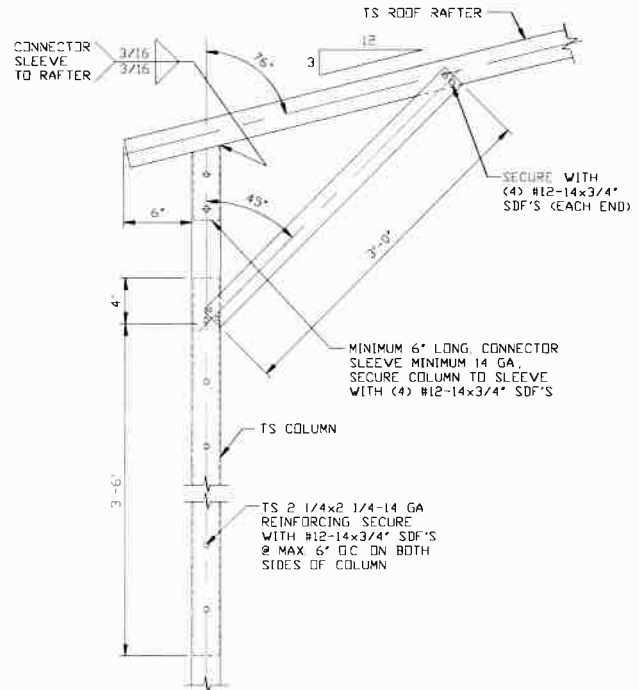
# EXPOSURE C



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 13'-0" < TO ≤ 15'-0"  
WITH 10 PSF < TO ≤ 35 PSF SNOW LOAD  
AND ≤ 105 MPH WIND SPEED  
(10'-0" < TO ≤ 15'-0" WITH ≤ 10 PSF  
SNOW LOAD AND 105 MPH < TO ≤ 140 MPH  
WIND SPEED)**

1E

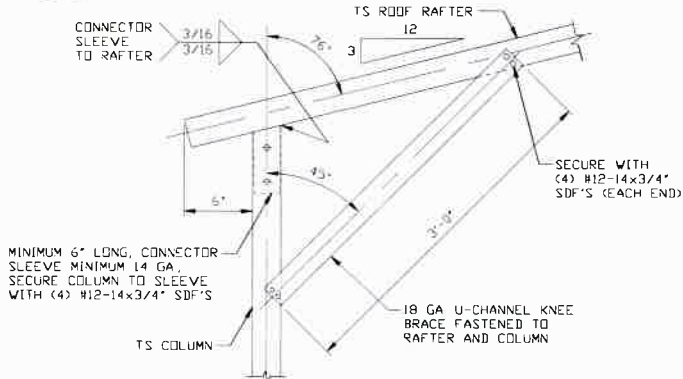
SCALE: NTS



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 11'-0" < TO ≤ 13'-0"  
WITH 10 PSF < TO ≤ 35 PSF SNOW LOAD  
AND ≤ 105 MPH WIND SPEED  
(9'-0" < TO ≤ 10'-0" WITH ≤ 10 PSF SNOW  
LOAD AND 105 MPH < TO ≤ 140 MPH WIND  
SPEED)**

1F

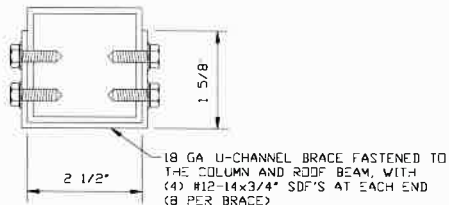
SCALE: NTS



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS ≤ 11'-0"  
WITH 10 PSF < TO ≤ 35 PSF SNOW LOAD  
< 9'-0" WITH ≤ 10 PSF SNOW LOAD AND  
105 MPH < TO ≤ 140 MPH WIND SPEED**

1G

SCALE: NTS



**BRACE SECTION**

SCALE: NTS

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: LT

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: EAGLE CARPORTS

EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 8-19-21

SHT. 6C

SCALE: NTS

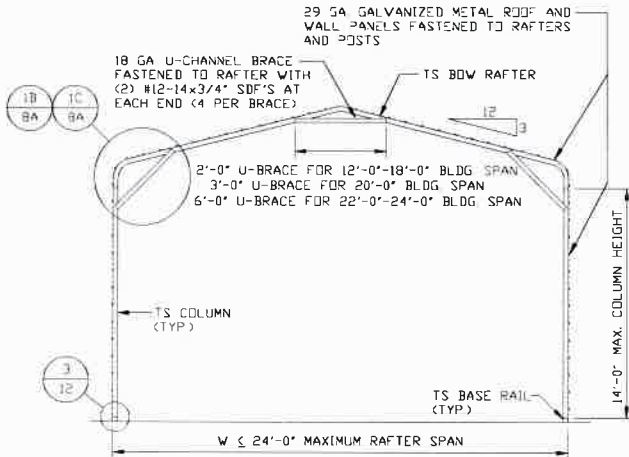
DWG. NO: SK-3

JOB NO: 16166S/  
18260S/19320S/21169S

REV: 9

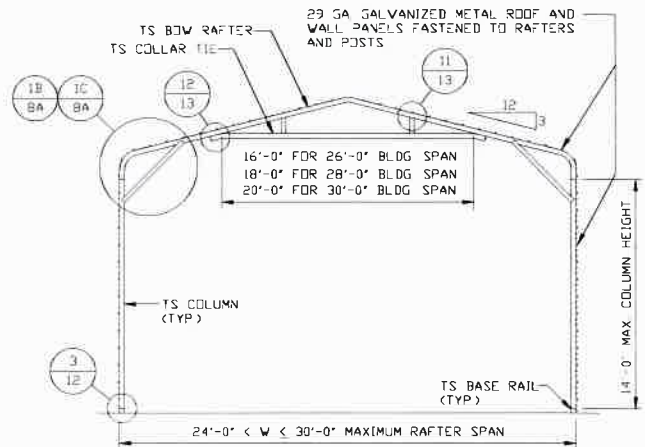
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## EXPOSURE B



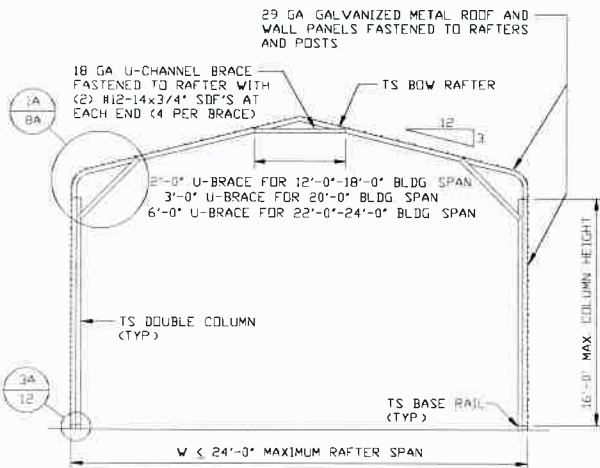
**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



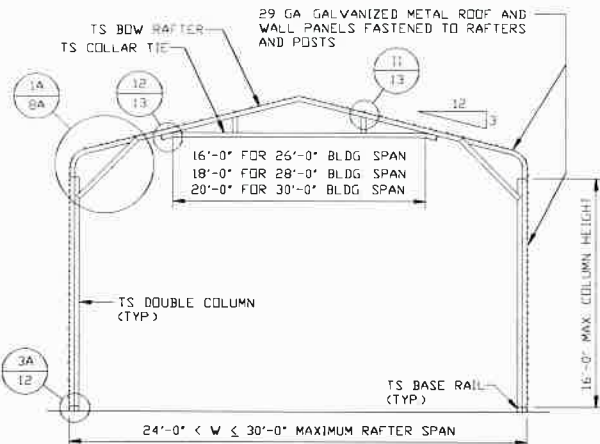
**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN END FRAME SECTION**

SCALE: NTS

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 7**

**SCALE: NTS**

**DWG. NO: SK-3**

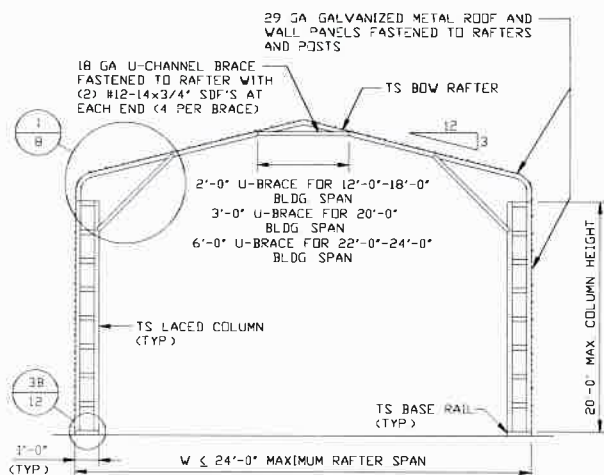
**JOB NO: 16166S/  
18260S/19320S/21169S**

**REV: 9**

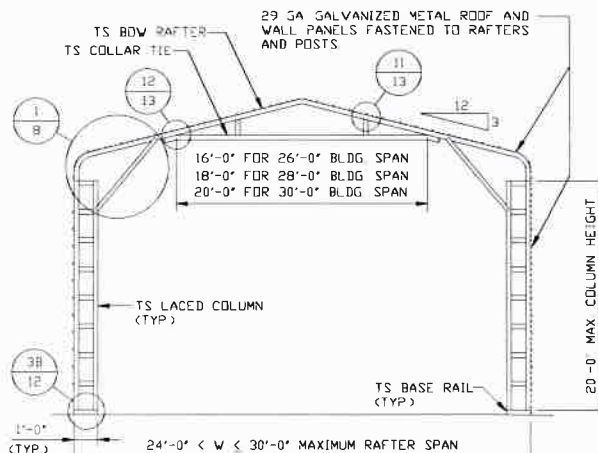
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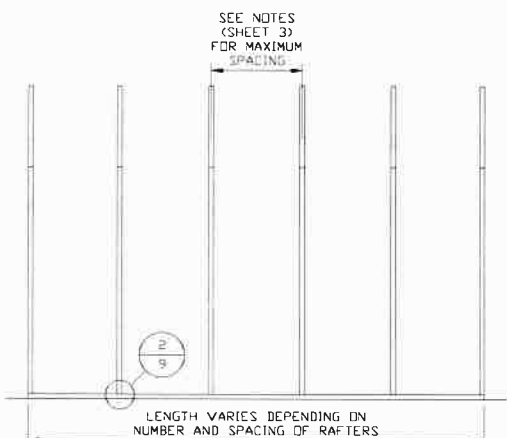
## EXPOSURE B



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



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



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

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: LT

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: EAGLE CARPORTS

EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 8-19-21

SHT. 7A

SCALE: NTS

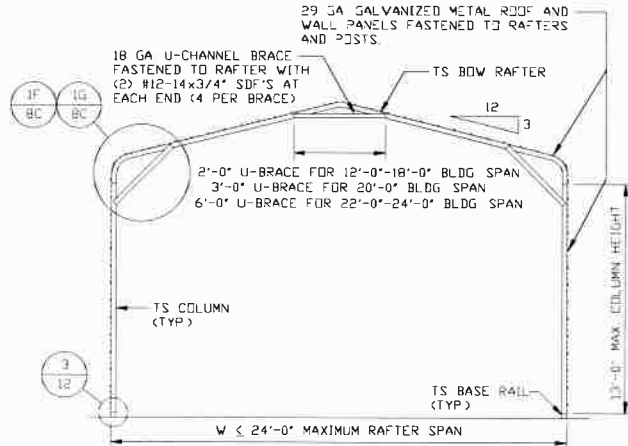
DWG. NO: SK-3

JOB NO: 16166S/  
18260S/19320S/21169S

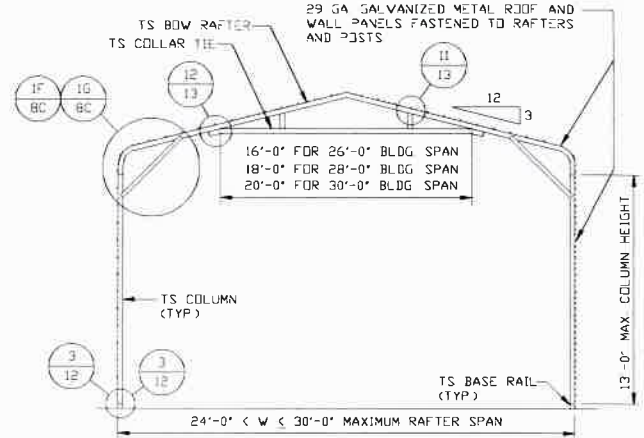
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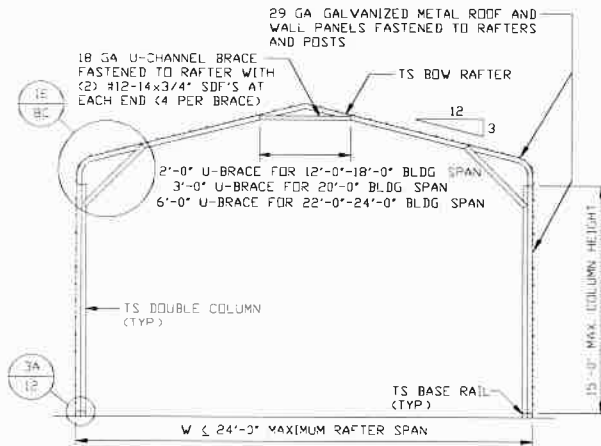
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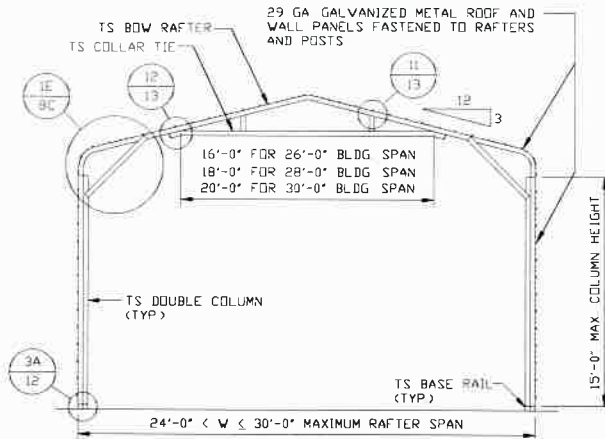
**TYPICAL RAFTER/COLUMN END FRAME SECTION**  
SCALE: NTS



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



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



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

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: LT

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: EAGLE CARPORTS

EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 8-19-21

SHT. 7B

SCALE: NTS

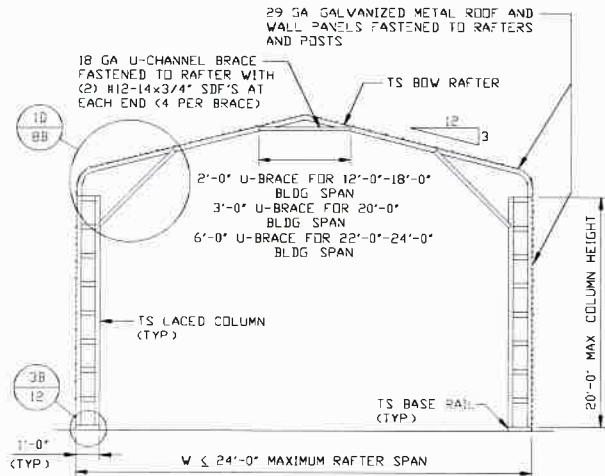
DWG. NO: SK-3

JOB NO: 16166S/  
18260S/19320S/21169S

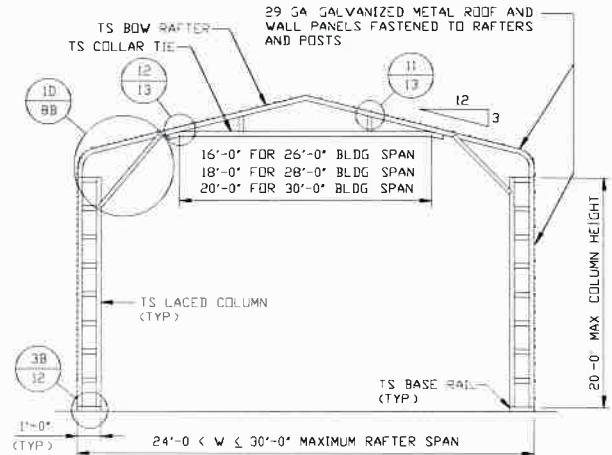
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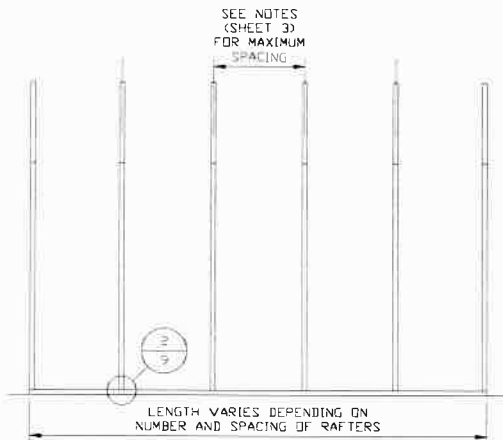
## EXPOSURE C



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



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



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

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0" x 20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 7C**

**SCALE: NTS**

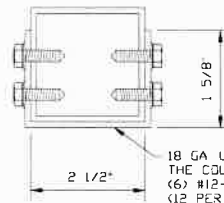
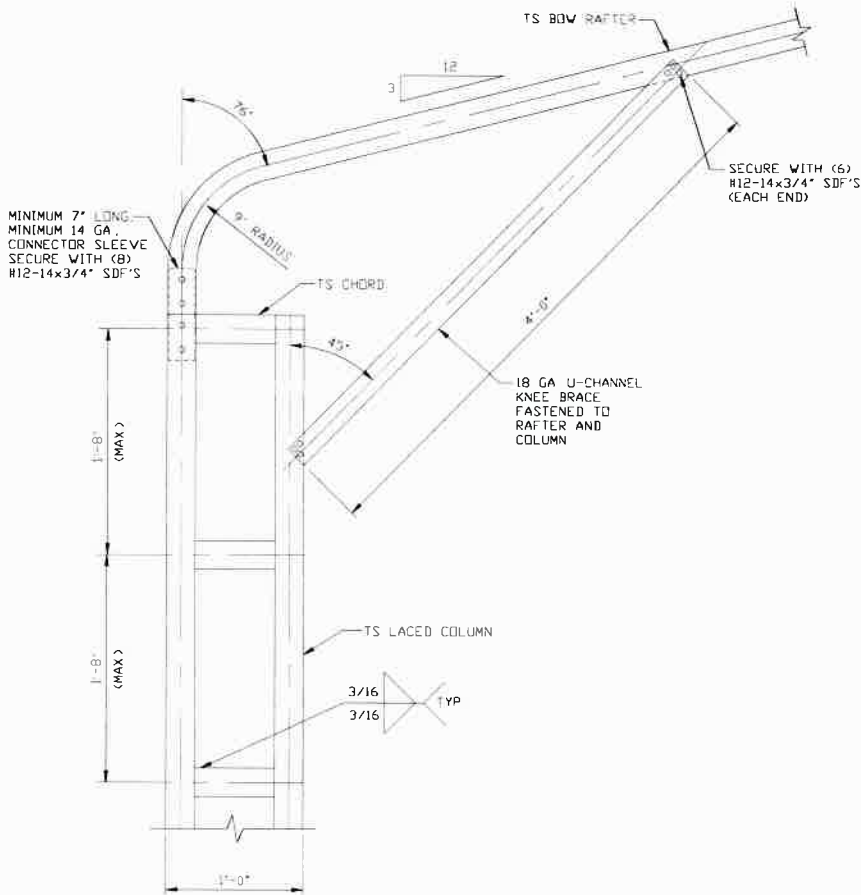
**DWG. NO: SK-3**

**JOB NO: 16166S/  
18260S/19320S/21169S**

**REV: 9**

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# EXPOSURE B



### BRACE SECTION

SCALE: NTS

**1** BOW RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 16'-0" < TO ≤ 20'-0"  
SCALE: NTS

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**

**CHECKED BY: PDH**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30-0"x20'-0" SP ENCLOSED STRUCTURE**

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**PROJECT MGR: WSM**

**DATE: 8-19-21**

**SCALE: NTS**

**JOB NO: 16166S/  
18260S/19320S/21169S**

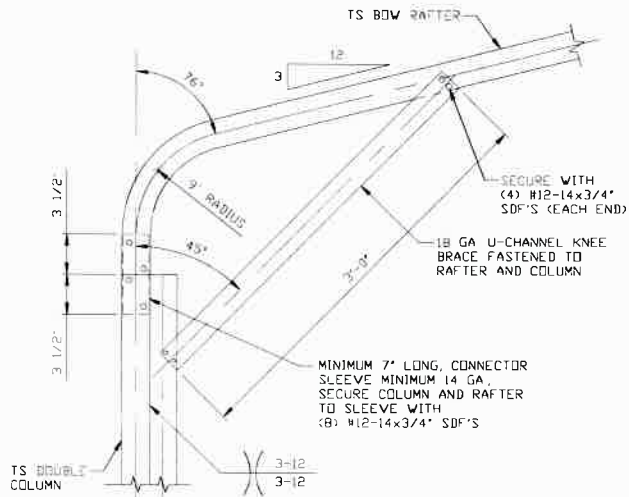
**CLIENT: EAGLE CARPORTS**

**SHT. 8**

**DWG. NO: SK-3**

**REV. 9**

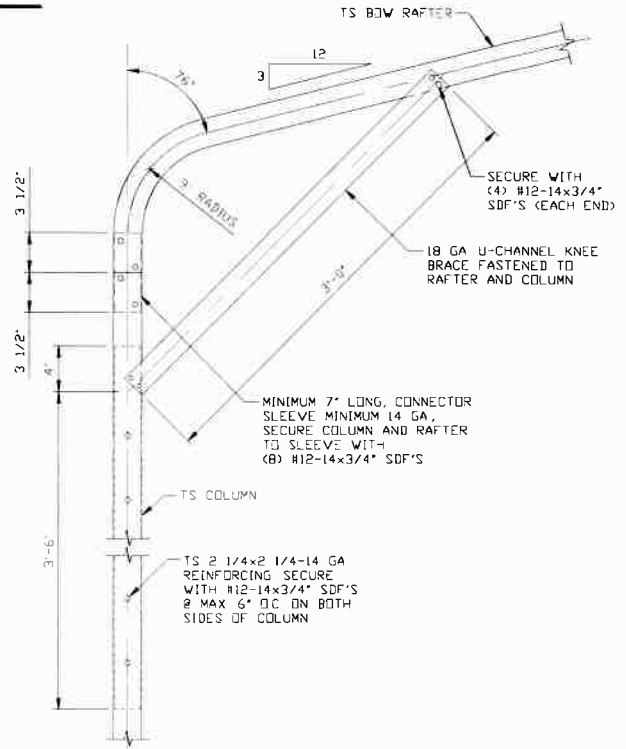
# EXPOSURE B



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 14'-0" < TO <= 16'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
AND <= 105 MPH WIND SPEED  
(12'-0" < TO <= 16'-0" WITH <= 10 PSF  
SNOW LOAD AND 105 MPH < TO <= 140 MPH  
WIND SPEED)**

1A

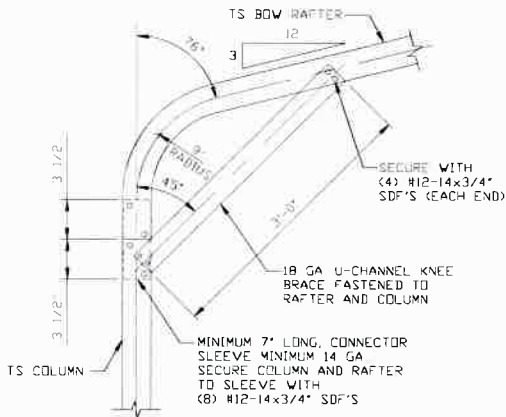
SCALE: NTS



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 12'-0" < TO <= 14'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
AND <= 105 MPH WIND SPEED  
(11'-0" < TO <= 12'-0" WITH <= 10 PSF  
SNOW LOAD AND 105 MPH < TO <= 140 MPH  
WIND SPEED)**

1B

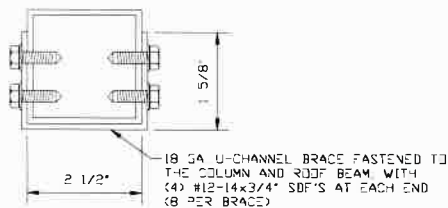
SCALE: NTS



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS <= 12'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
<= 11'-0" WITH <= 10 PSF SNOW LOAD AND  
105 MPH < TO <= 140 MPH WIND SPEED**

1C

SCALE: NTS



**BRACE SECTION**

SCALE: NTS

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 8A**

**SCALE: NTS**

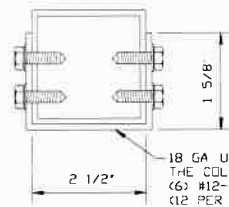
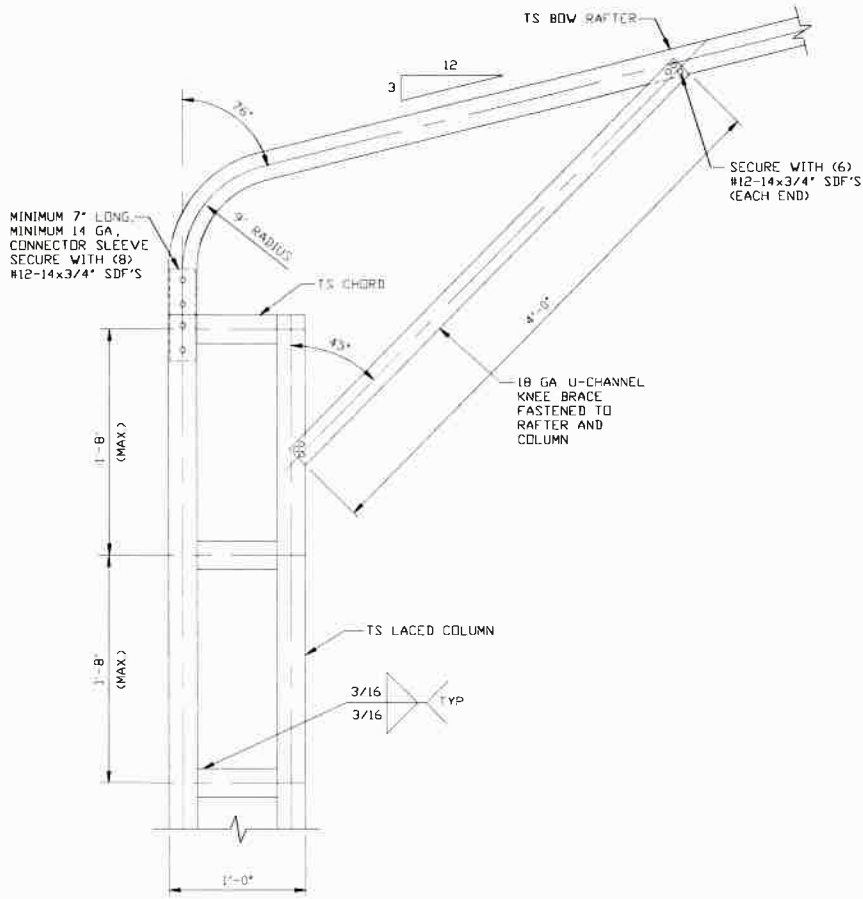
**DWG. NO: SK-3**

**JOB NO: 16166S/  
18260S/19320S/21169S**

**REV: 9**

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# EXPOSURE C



### BRACE SECTION

SCALE: NTS

18 GA U-CHANNEL BRACE FASTENED TO THE COLUMN AND ROOF BEAM, WITH (6) #12-14x3/4" SDF'S AT EACH END (12 PER BRACE)

**1D** BOW EAVE RAFTER COLUMN CONNECTION  
 SCALE: NTS  
 DETAIL FOR HEIGHTS 15'-0" < TO ≤ 20'-0"

**MOORE AND ASSOCIATES  
 ENGINEERING AND CONSULTING, INC.**

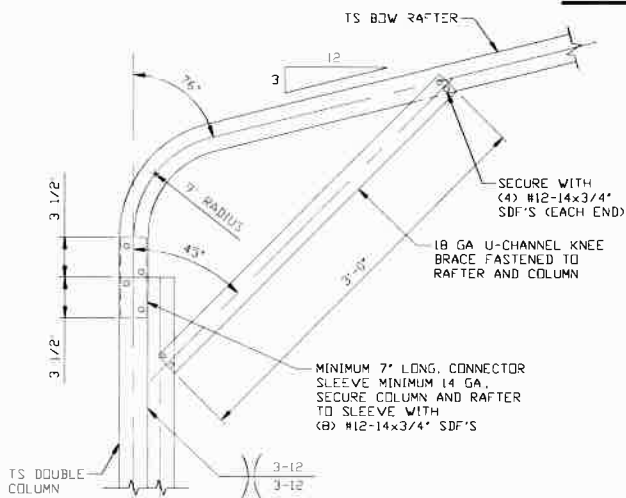
**DRAWN BY:** LT  
**CHECKED BY:** PDH  
**PROJECT MGR:** WSM  
**CLIENT:** EAGLE CARPORTS

**EAGLE CARPORTS**  
 210 AIRPORT ROAD  
 MOUNT AIRY, NC 27030  
 30-0"x20'-0" SP ENCLOSED STRUCTURE

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<b>DATE:</b> 8-19-21	<b>SCALE:</b> NTS	<b>JOB NO:</b> 16166S/ 18260S/19320S/21162S
<b>SHT.</b> 8B	<b>DWG. NO:</b> SK-3	<b>REV:</b> 9

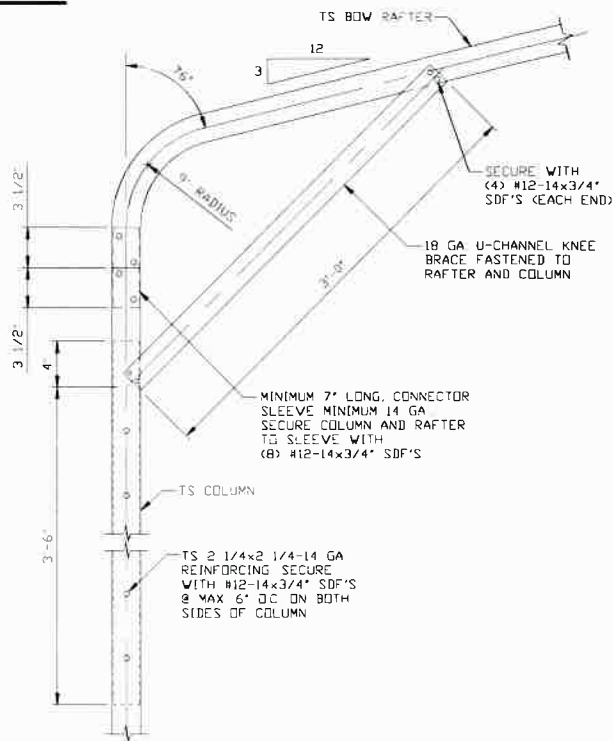
# EXPOSURE C



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 13'-0" < TO <= 15'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
AND <= 105 MPH WIND SPEED  
(10'-0" < TO <= 15'-0" WITH <= 10 PSF  
SNOW LOAD AND 105 MPH < TO <= 140 MPH  
WIND SPEED)**

1E

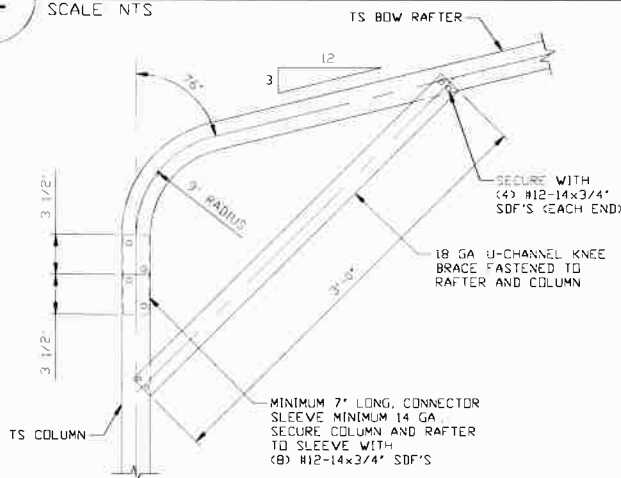
SCALE: NTS



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS 11'-0" < TO <= 13'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
AND <= 105 MPH WIND SPEED  
(9'-0" < TO <= 10'-0" WITH <= 10 PSF SNOW  
LOAD AND 105 MPH < TO <= 140 MPH WIND  
SPEED)**

1F

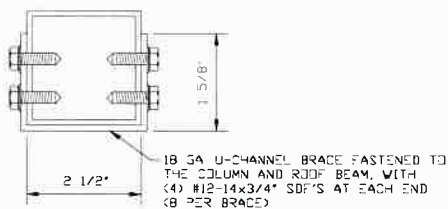
SCALE: NTS



**BOX EAVE RAFTER COLUMN CONNECTION  
DETAIL FOR HEIGHTS <= 11'-0"  
WITH 10 PSF < TO <= 35 PSF SNOW LOAD  
<= 9'-0" WITH <= 10 PSF SNOW LOAD AND  
105 MPH < TO <= 140 MPH WIND SPEED**

1G

SCALE: NTS



**BRACE SECTION**

SCALE: NTS

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: LT

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: EAGLE CARPORTS

EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 8-19-21

SHT. 8C

SCALE: NTS

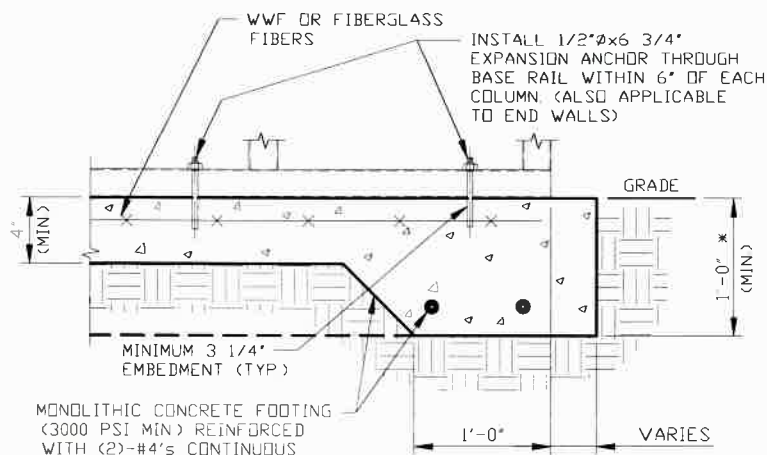
DWG. NO: SK-3

JOB NO: 16166S/  
18260S/19320S/21169S

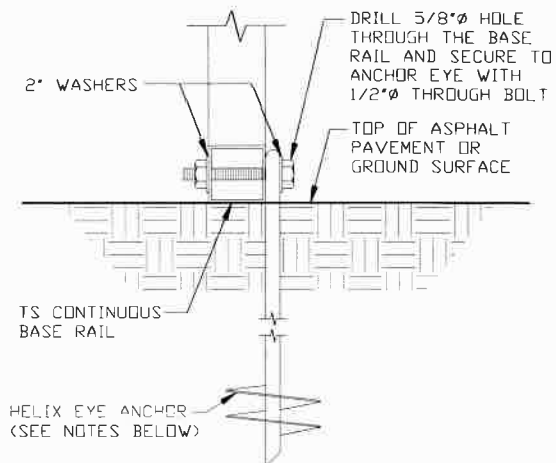
REV: 9

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## BASE RAIL ANCHORAGE OPTIONS



**2** **CONCRETE MONOLITHIC SLAB  
BASE RAIL ANCHORAGE**  
SCALE: NTS  
MINIMUM ANCHOR EDGE DISTANCE IS 4"  
\* COORDINATE WITH LOCAL BUILDING CODES/ORD  
REGARDING REQUIRED FOOTING DEPTH.



**2A** **GROUND BASE HELIX ANCHORAGE**  
SCALE: NTS (CAN BE USED FOR ASPHALT)  
\* COORDINATE WITH LOCAL CODES/ORD  
REGARDING REQUIRED ANCHOR LENGTH.

### 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.

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 9**

**SCALE: NTS**

**DWG. NO: SK-3**

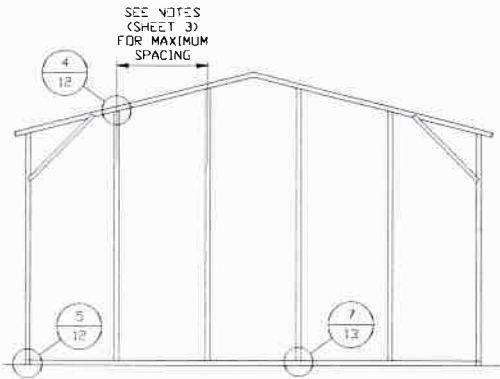
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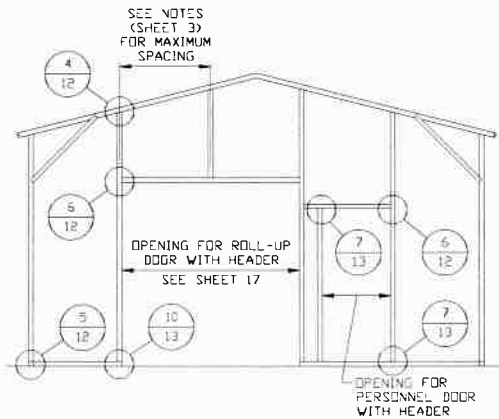


# BOX EAVE RAFTER END WALL AND SIDE WALL FRAMING SECTIONS



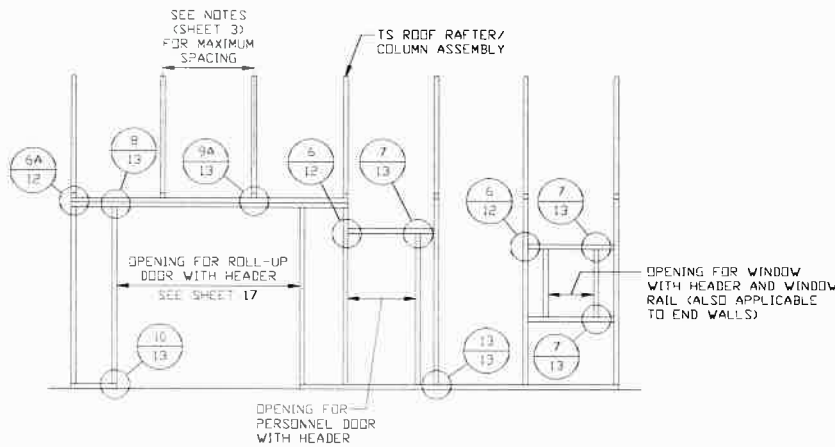
**TYPICAL BOX EAVE RAFTER  
END WALL FRAMING SECTION**

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: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
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**SHT. 10**

**SCALE: NTS**

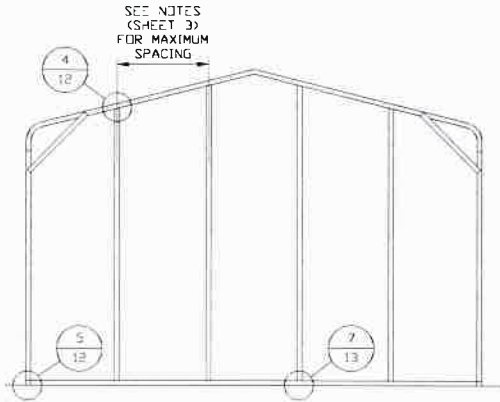
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**JOB NO: 16166S/  
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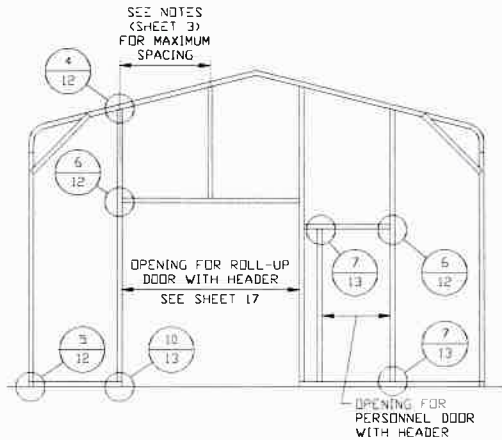
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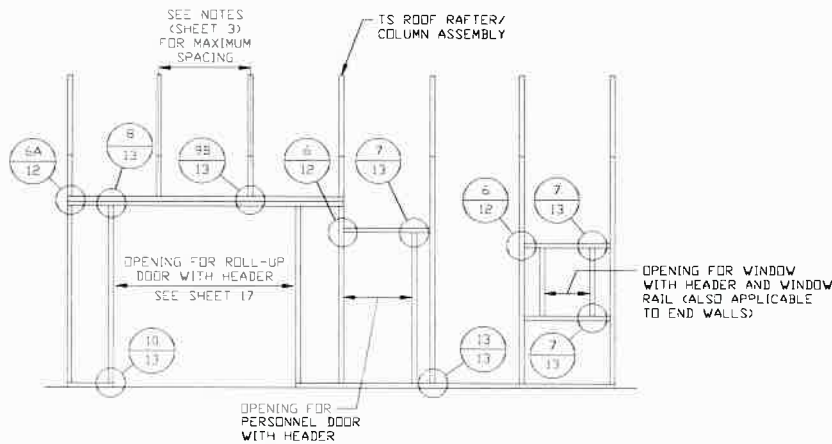
## BOW RAFTER END WALL AND SIDE WALL FRAMING SECTIONS



**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: EAGLE CARPORTS**

**EAGLE CARPORTS  
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MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 11**

**SCALE: NTS**

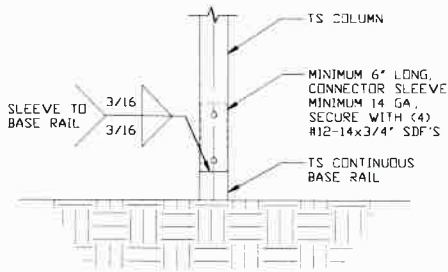
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**JOB NO: 16166S/  
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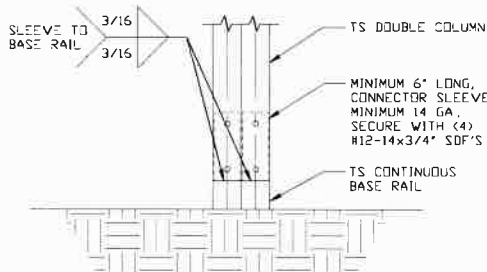
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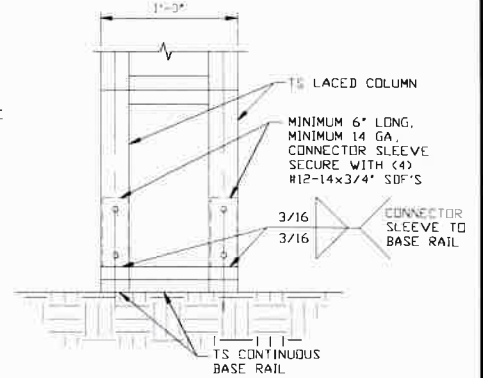
# CONNECTION DETAILS



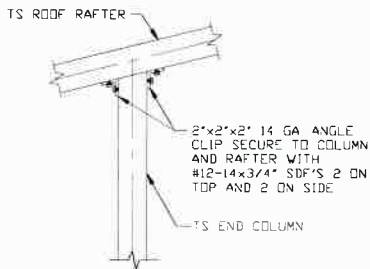
**3**  
**RAFTER COLUMN/  
BASE RAIL  
CONNECTION DETAIL**  
SCALE: NTS



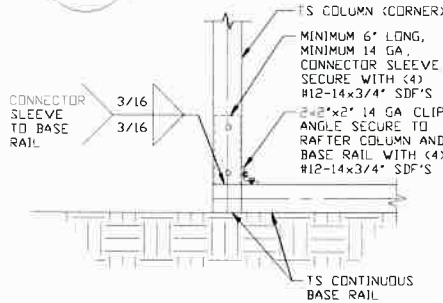
**3A**  
**RAFTER COLUMN/  
BASE RAIL  
CONNECTION DETAIL**  
SCALE: NTS



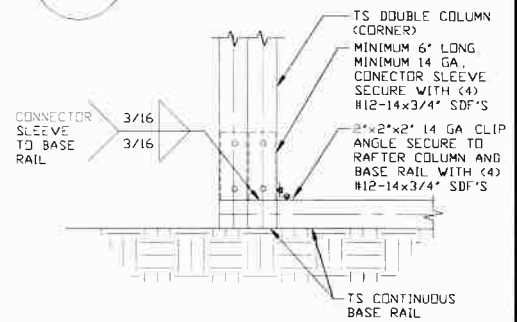
**3B**  
**RAFTER COLUMN/  
BASE RAIL  
CONNECTION DETAIL**  
SCALE: NTS



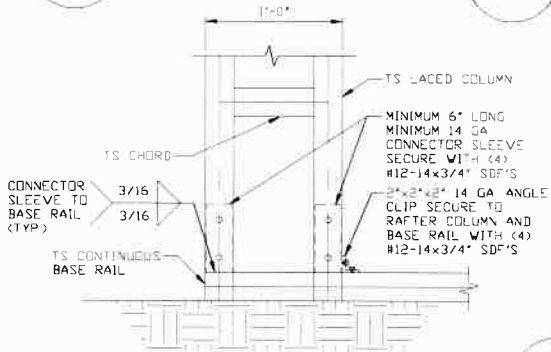
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**END COLUMN/RAFTER  
CONNECTION DETAIL**  
SCALE: NTS



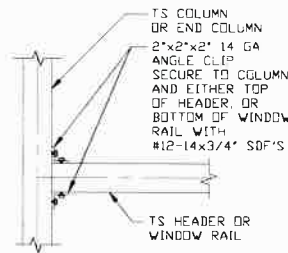
**5**  
**END COLUMN/BASE RAIL  
CONNECTION DETAIL**  
SCALE: NTS



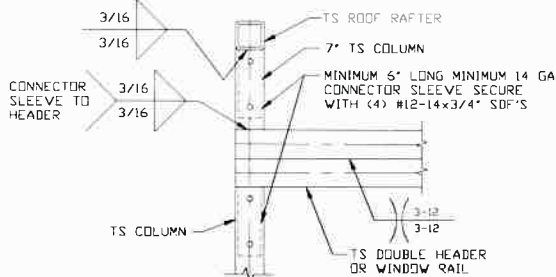
**5A**  
**END COLUMN/BASE RAIL  
CONNECTION DETAIL**  
SCALE: NTS



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



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



**6A**  
**DOUBLE HEADER TO COLUMN  
CONNECTION DETAIL**  
SCALE: NTS

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ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 12**

**SCALE: NTS**

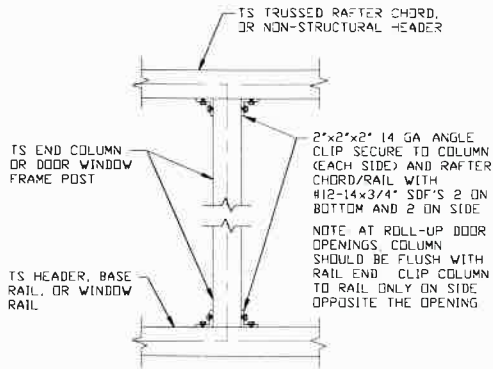
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**JOB NO: 16166S/  
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**REV: 9**

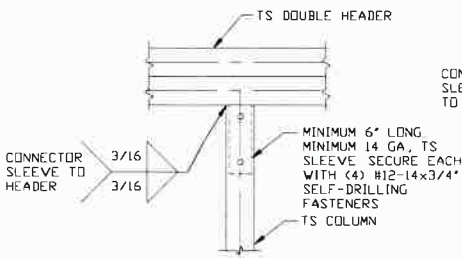
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# CONNECTION DETAILS



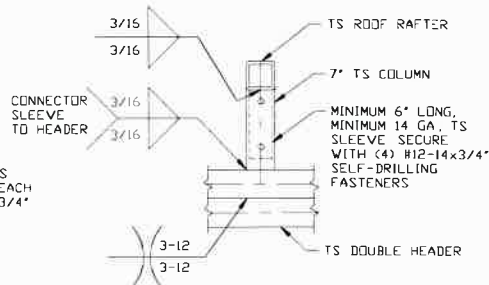
**7** COLUMN TO WINDOW RAIL CONNECTION DETAIL

SCALE: NTS



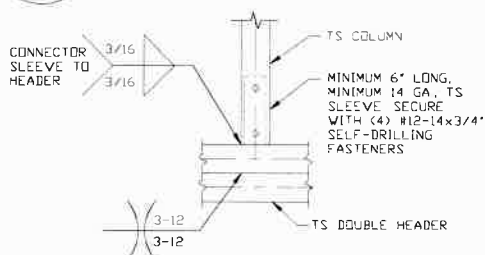
**8** DOUBLE HEADER/  
COLUMN CONNECTION DETAIL

SCALE: NTS



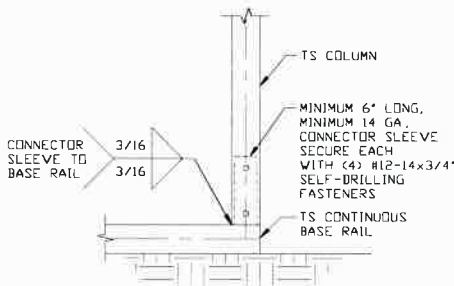
**9A** COLUMN/DOUBLE HEADER CONNECTION DETAIL

SCALE: NTS



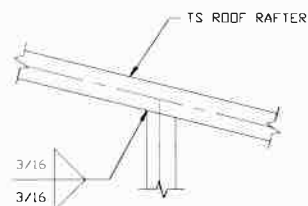
**9B** COLUMN/DOUBLE HEADER CONNECTION DETAIL

SCALE: NTS



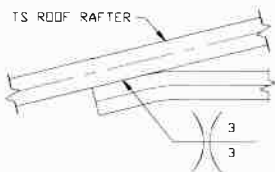
**10** COLUMN/BASE RAIL CONNECTION DETAIL

SCALE: NTS



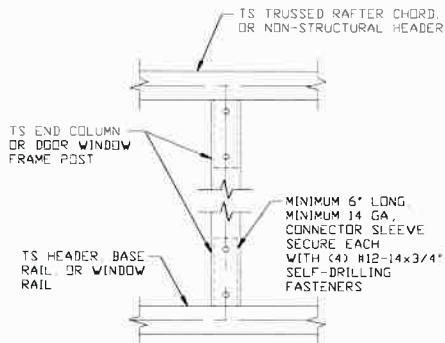
**11** RAFTER TO CHORD CONNECTION DETAIL

SCALE: NTS



**12** COLLAR TIE CONNECTION DETAIL

SCALE: NTS



**13** COLUMN TO HEADER OR BASE RAIL CONNECTION DETAIL

SCALE: NTS

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**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 13**

**SCALE: NTS**

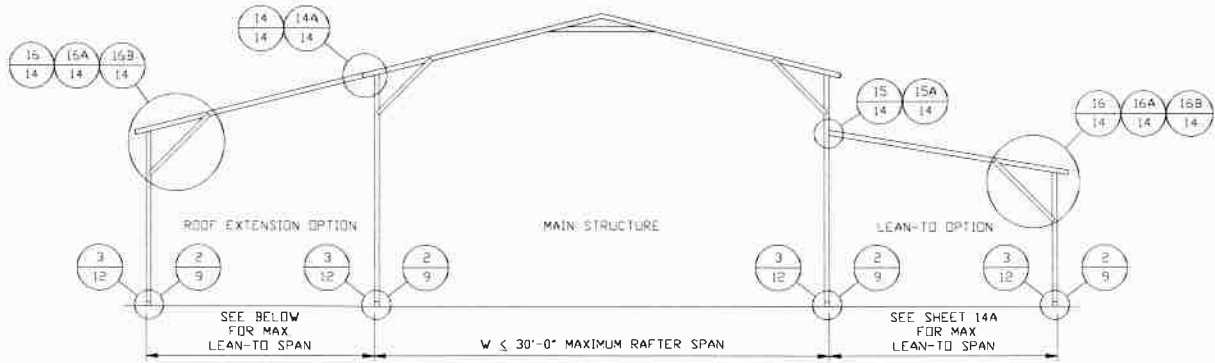
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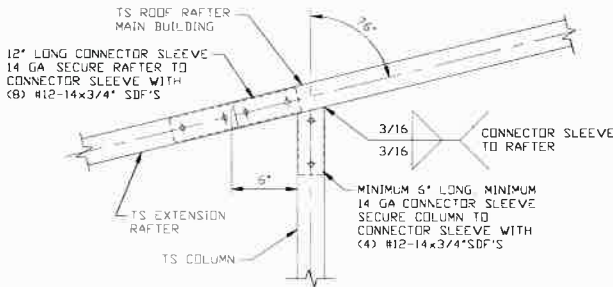
# BOX EAVE RAFTER LEAN-TO OPTIONS



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

SCALE: NTS

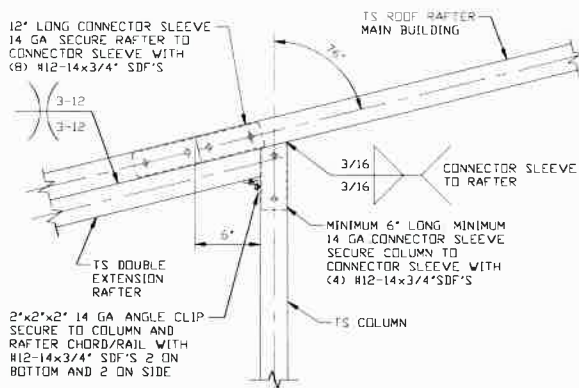
MAXIMUM WIDTH OF SINGLE MEMBER (RAFTER AND COLUMN) ROOF EXTENSION AND LEAN-TO IS 12'-0"  
 MAXIMUM WIDTH OF DOUBLE MEMBER (RAFTER AND COLUMN) ROOF EXTENSION AND LEAN-TO IS 15'-0"  
 MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE LACED COLUMNS FOR EAVE HEIGHTS 16'-0" < TO < 20'-0" FOR EXPOSURE B AND 15'-0" < TO < 20'-0" FOR EXPOSURE C  
 MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE DOUBLE COLUMNS FOR EAVE HEIGHTS 14'-0" < TO < 16'-0" FOR EXPOSURE B AND 13'-0" < TO < 15'-0" FOR EXPOSURE C  
 MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE SINGLE COLUMNS WITH INSERTS FOR EAVE HEIGHTS 11'-0" < TO < 14'-0" FOR EXPOSURE B AND 9'-0" < TO < 13'-0" FOR EXPOSURE C  
 MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE SINGLE COLUMNS FOR EAVE HEIGHTS < 11'-0" FOR EXPOSURE B AND < 9'-0" FOR EXPOSURE C



14

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

SCALE: NTS



14A

### SIDE EXTENSION RAFTER/ COLUMN DETAIL FOR RAFTER SPANS 12'-0" < TO ≤ 15'-0"

SCALE: NTS

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ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 14**

**SCALE: NTS**

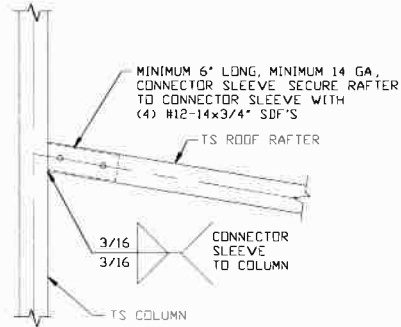
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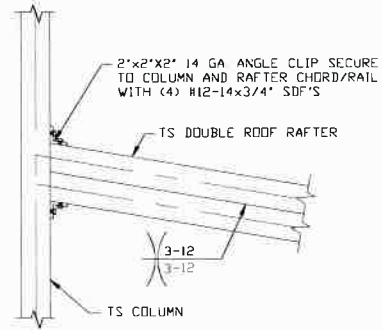
## BOX EAVE RAFTER LEAN-TO OPTIONS



**LEAN-TO RAFTER TO RAFTER  
COLUMN CONNECTION DETAIL  
FOR RAFTER SPANS  $\leq 12'-0"$**

15

SCALE: NTS.  
NOTE: ROOF PITCH OF 2:12 AND 1:12 ARE  
ADEQUATE FOR LEAN-TO RAFTER.



**LEAN-TO RAFTER TO RAFTER  
COLUMN CONNECTION DETAIL  
FOR RAFTER SPANS  $12'-0" < TO \leq 15'-0"$**

15A

SCALE: NTS.  
NOTE: ROOF PITCH OF 2:12 AND 1:12 ARE  
ADEQUATE FOR LEAN-TO RAFTER.

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**PROJECT MGR: WSM**

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**EAGLE CARPORTS  
210 AIRPORT ROAD  
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30'-0" x 20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 14A**

**SCALE: NTS**

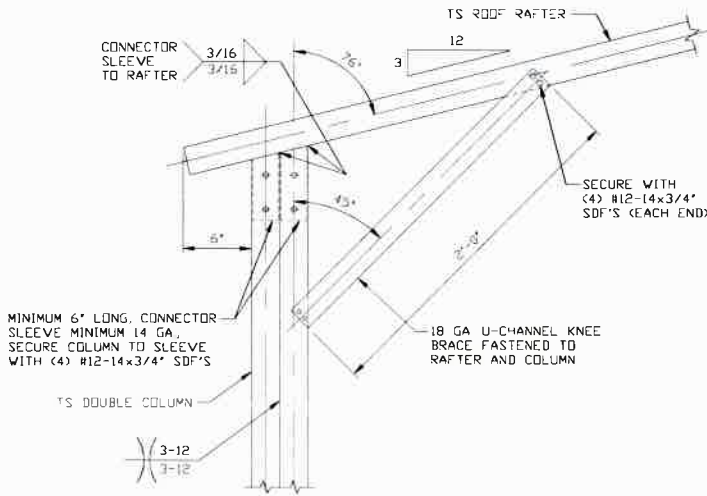
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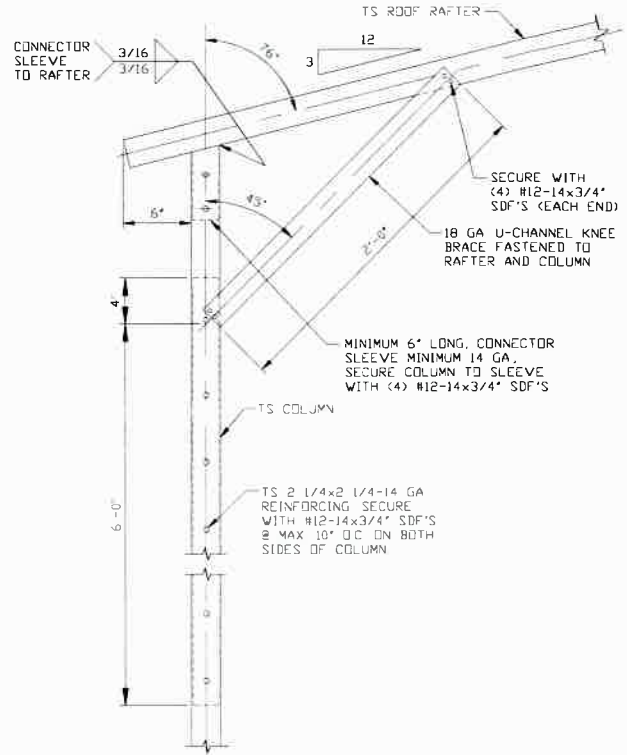
# BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE B



## BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 15'-0" < TO <= 16'-0"

16

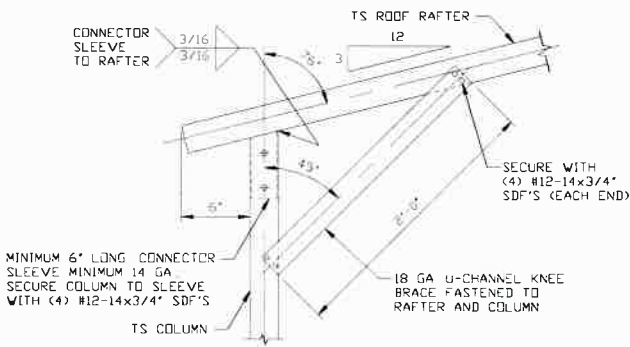
SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING)



## BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 14'-0" < TO <= 15'-0"

16A

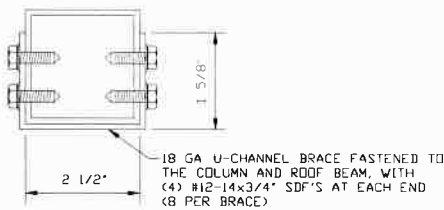
SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING)



## BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS <= 14'-0"

16B

SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING)



### BRACE SECTION

SCALE: NTS

**MOORE AND ASSOCIATES  
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**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
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30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 14B**

**SCALE: NTS**

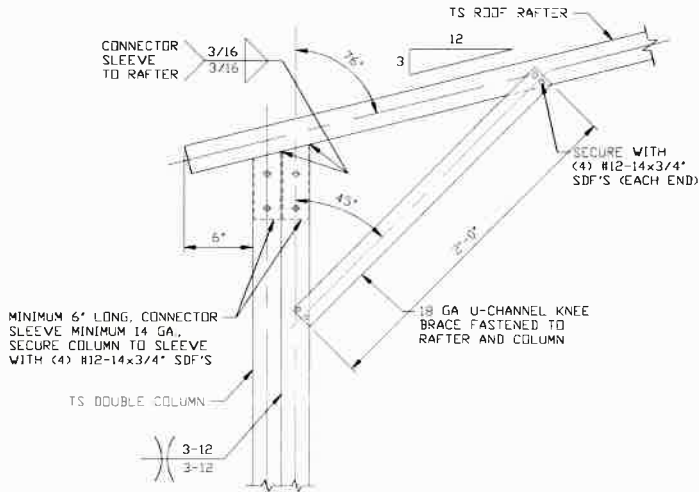
**DWG. NO: SK-3**

**JOB NO: 16166S/  
18260S/19320S/21169S**

**REV: 9**

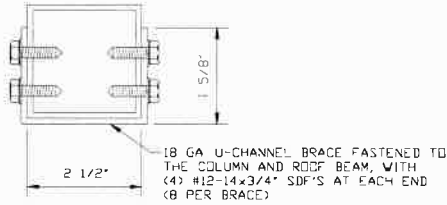
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## BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE C



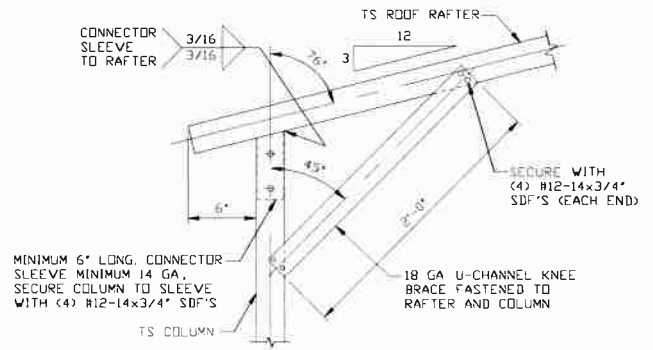
**16C** BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 13'-0" < TO ≤ 16'-0"

SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING)



**BRACE SECTION**

SCALE: NTS



**16D** BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS ≤ 13'-0"

SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING)

**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
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**DATE: 8-19-21**

**SHT. 14C**

**SCALE: NTS**

**DWG. NO: SK-3**

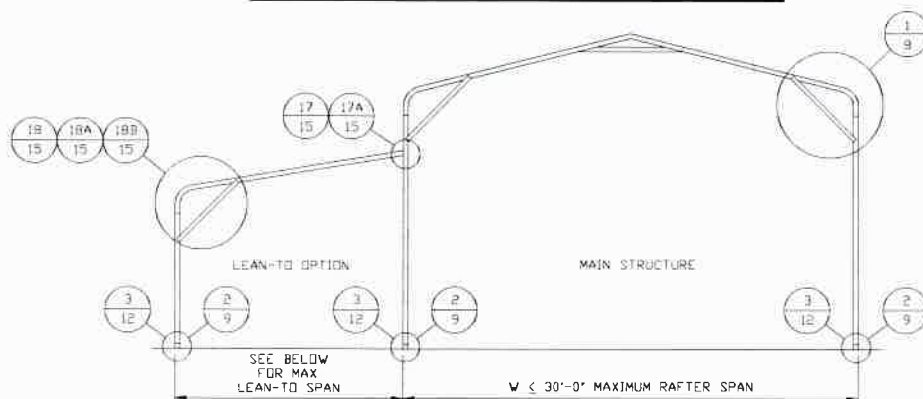
**JOB NO: 16166S/  
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**REV: 9**

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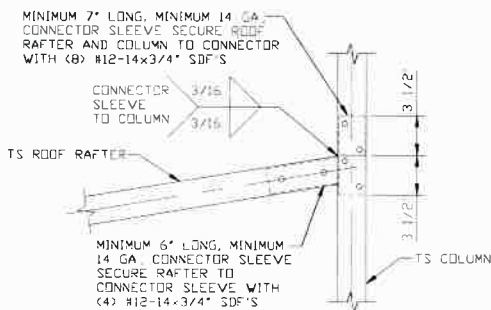
# BOW RAFTER LEAN-TO OPTION



## TYPICAL BOW RAFTER LEAN-TO OPTION FRAMING SECTION

SCALE: NTS

MAXIMUM WIDTH OF SINGLE MEMBER (RAFTER AND COLUMN) ROOF EXTENSION AND LEAN-TO IS 12'-0"  
 MAXIMUM WIDTH OF DOUBLE MEMBER (RAFTER AND COLUMN) ROOF EXTENSION AND LEAN-TO IS 15'-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" FOR EXPOSURE B AND 15'-0" < TO < 20'-0" FOR EXPOSURE C  
 MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE DOUBLE COLUMNS FOR EAVE HEIGHTS 14'-0" < TO < 16'-0" FOR EXPOSURE B AND 13'-0" < TO < 15'-0" FOR EXPOSURE C  
 MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE SINGLE COLUMNS WITH INSERTS FOR EAVE HEIGHTS 11'-0" < TO < 14'-0" FOR EXPOSURE B AND 9'-0" < TO < 13'-0" FOR EXPOSURE C  
 MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE SINGLE COLUMNS FOR EAVE HEIGHTS < 11'-0" FOR EXPOSURE B AND < 9'-0" FOR EXPOSURE C.

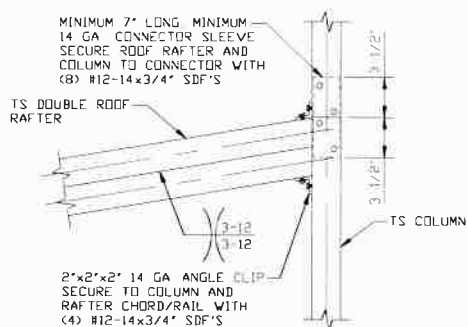


### LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS <= 12'-0"

17

SCALE: NTS

NOTE: ROOF PITCH OF 2:12 AND 1:12 ARE ADEQUATE FOR LEAN-TO RAFTER



### LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS 12'-0" < TO < 15'-0"

17A

SCALE: NTS

NOTE: ROOF PITCH OF 2:12 AND 1:12 ARE ADEQUATE FOR LEAN-TO RAFTER

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**DRAWN BY: LT**

**CHECKED BY: PDH**

**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
210 AIRPORT ROAD  
MOUNT AIRY, NC 27030  
30'-0"x20'-0" SP ENCLOSED STRUCTURE**

**DATE: 8-19-21**

**SHT. 15**

**SCALE: NTS**

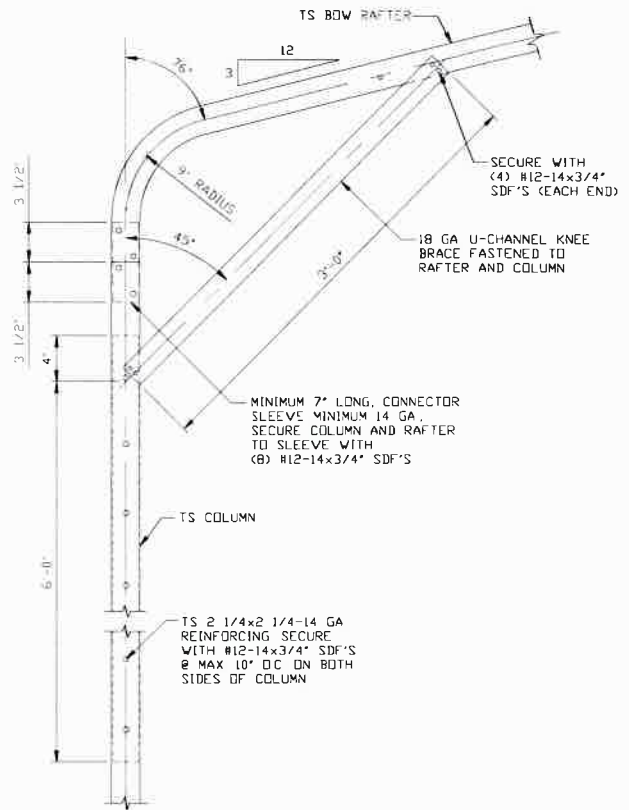
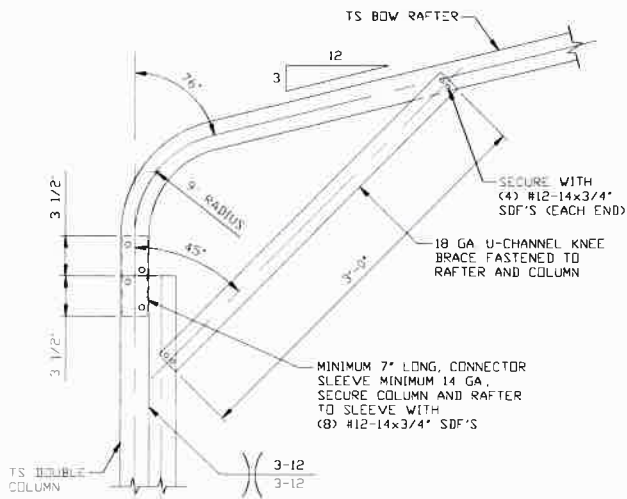
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## BOW RAFTER LEAN-TO OPTION - EXPOSURE B



18

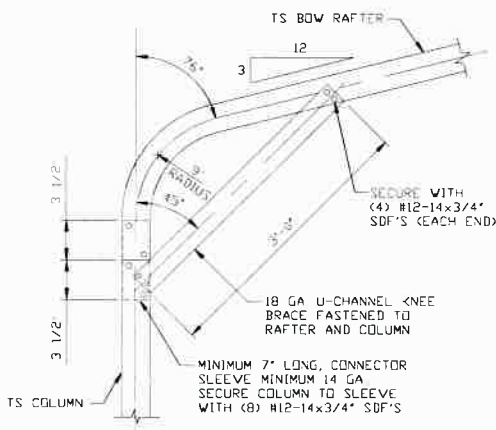
### BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 15'-0" < TO <= 16'-0"

SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING)

18A

### BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 14'-0" < TO <= 15'-0"

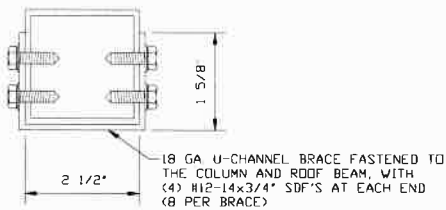
SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING)



18B

### BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS <= 14'-0"

SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING)



### BRACE SECTION

SCALE: NTS

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SHT. 15A

SCALE: NTS

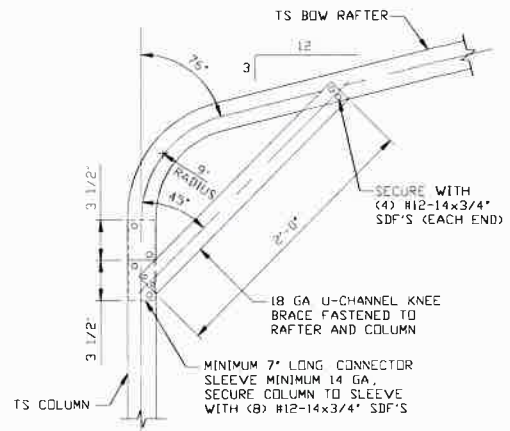
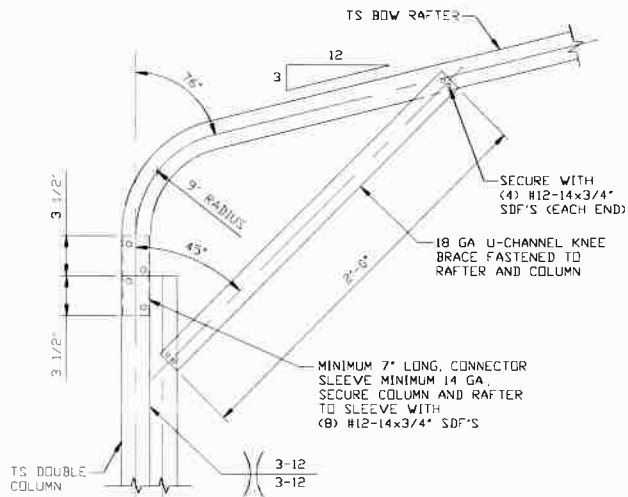
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## BOW RAFTER LEAN-TO OPTION - EXPOSURE C



18C

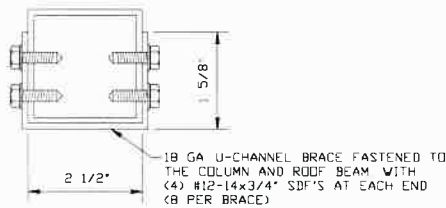
### BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 13'-0" < TO <= 16'-0"

SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO  
ON BOTH SIDES OF THE MAIN BUILDING).

18D

### BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS <= 13'-0"

SCALE: NTS  
HORSE BARN OPTION (REQUIRES A LEAN-TO  
ON BOTH SIDES OF THE MAIN BUILDING).



### BRACE SECTION

SCALE: NTS

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PROJECT MGR: WSM

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DATE: 8-19-21

SHT. 15B

SCALE: NTS

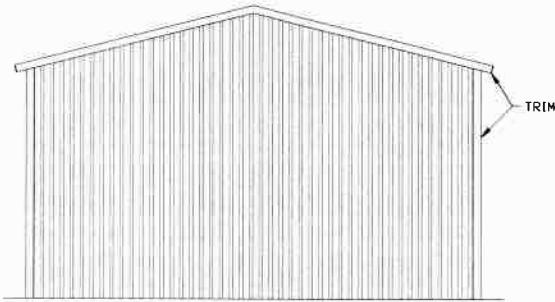
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JOB NO: 16166S/  
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REV: 9

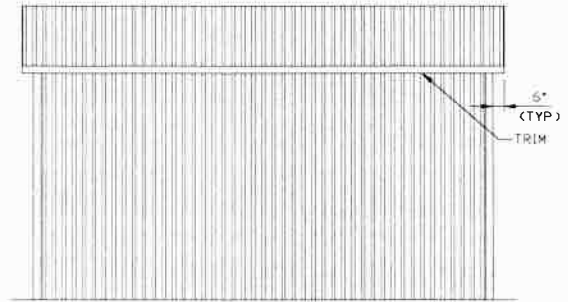
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# BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



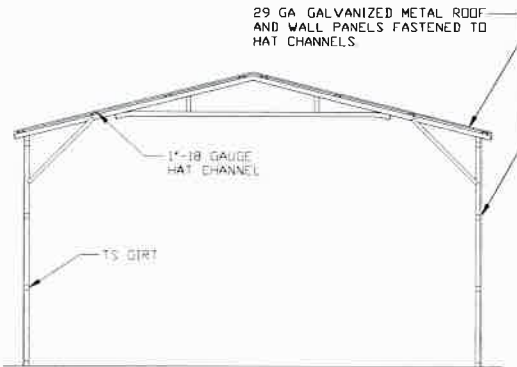
**TYPICAL END ELEVATION  
VERTICAL ROOF/SIDING**

SCALE: NTS



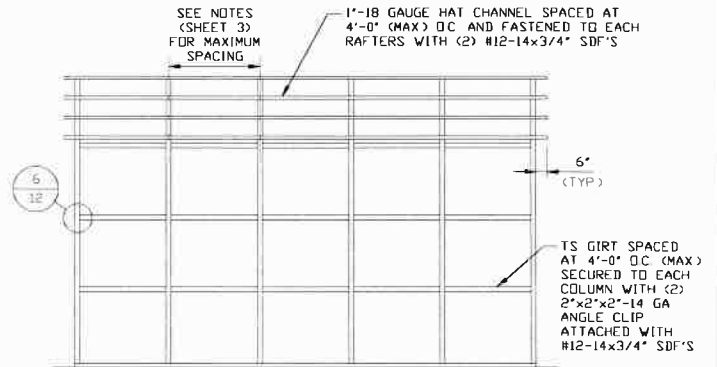
**TYPICAL SIDE ELEVATION  
VERTICAL ROOF/SIDING**

SCALE: NTS



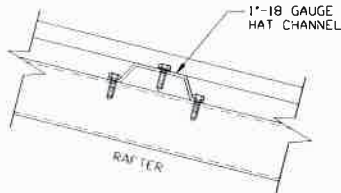
**TYPICAL SECTION VERTICAL  
ROOF/SIDING OPTION**

SCALE: NTS



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

SCALE: NTS



**PANEL ATTACHMENT**

(ALTERNATE FOR VERTICAL ROOF PANELS)  
SCALE: NTS

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**PROJECT MGR: WSM**

**CLIENT: EAGLE CARPORTS**

**EAGLE CARPORTS  
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**DATE: 8-19-21**

**SHT. 16**

**SCALE: NTS**

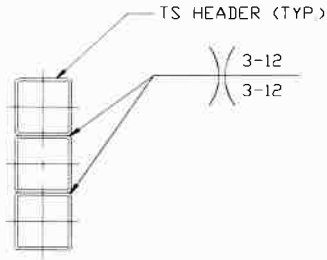
**DWG. NO: SK-3**

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**REV: 9**

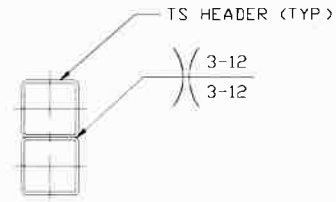
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## SIDE WALL HEADER OPTIONS



**HEADER DETAIL FOR  
12'-0' < LENGTHS ≤ 16'-0'**

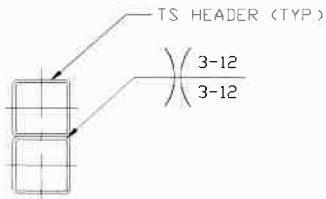
SCALE: NTS



**HEADER DETAIL FOR  
LENGTHS ≤ 12'-0'**

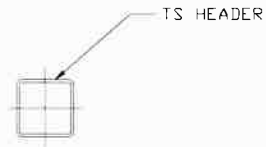
SCALE: NTS

## END WALL HEADER OPTIONS



**HEADER DETAIL FOR  
14'-0' < LENGTHS ≤ 20'-0'**

SCALE: NTS



**HEADER DETAIL FOR  
LENGTHS ≤ 14'-0'**

SCALE: NTS

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**DATE: 8-19-21**

**SHT. 17**

**SCALE: NTS**

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