



STRUCTURAL DESIGN ENCLOSED BUILDING

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

7 December 2018 Revision 7 M&A Project No. 16166S/17207S/17293S/18012S/18260S

Prepared for:

Eagle Carports 210 Airport Road Mount Airy, NC 27030

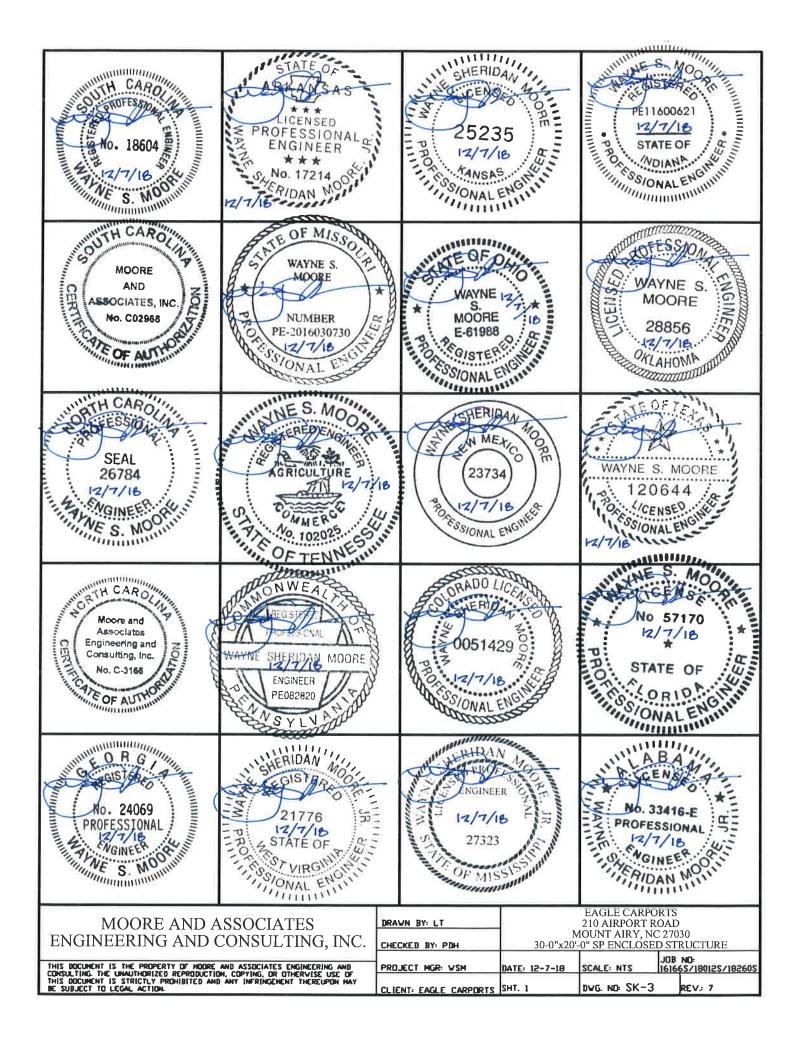
Prepared by:

Moore and Associates Engineering and Consulting, Inc.

1009 East Avenue North Augusta, SC 29841

401 S. Main Street Mount Airy, NC 27030





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WAYNE S. MOORE Lic. No. 051637 12/7/18 SSIONAL ENG 10, 49744 12/7/18	Professional Certificat I hereby certify that thes documents were prepar approved by me, and th a duly licensed profession engineer under the laws the State of Maryland, License No. 49744, Expiration Date 6/6/	se ed or at Lam onal s of			
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SHEET 15

SHEET 16

VERTICAL ROOF/SIDING OPTION END AND

SIDE ELEVATION AND SECTION

SIDE WALL HEADER OPTIONS

DRAWN BY: LT	210 AIRPORT ROAD				
	MOUNT AIRY, NC 27030				
CHECKED BY: PDH	30-0"x20'-0" SP ENCLÓSED STRUCTURE				
PROJECT MGR: VSM	DATE: 12-7-18		JOB NO:		
CLIENT: EAGLE CARPORTS	SHT. 2	DVG NO SK-3	REV. 7		

EAGLECADDODTS

INSTALLATION NOTES AND SPECIFICATIONS

- 1. DESIGN IS FOR MAXIMUM 30'-0' WIDE \times 20'-0' EAVE HEIGHT ENCLOSED STRUCTURES.
- 2. DESIGN WAS DONE IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION, 2018 NORTH CAROLINA BUILDING CODE, 2006 INTERNATIONAL BUILDING CODE (IBC), 2009 IBC, 2012 IBC AND 2015 IBC.
- 3. DESIGN LOADS ARE AS FOLLOWS:

A) DEAD LOAD

= 1.5 PSF

- B) LIVE LOAD = 12 PSF C> GROUND SNOW LOAD = 35 PSF
- 4. 3-SECOND GUST ULTIMATE WIND SPEED (\lor_{ULT}) 105 TO 140 MPH (NOMINAL WIND SPEED 81 TO 108 MPH).
- 5. MAXIMUM RAFTER/POST SPACING = 5.0 FEET.
- 6. END POST SPACING = 5.0 FEET.
- 7. END WALL COLUMNS (POST) ARE EQUIVALENT TO SIDE WALL POSTS UNLESS NOTED OTHERWISE.
- 8. RISK CATEGORY I.
- 9. WIND EXPOSURE CATEGORY B/C.
- 10. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2*x2 1/2*-14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS.
- 11. AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR HAT CHANNELS, AND COLUMNS (INTERIOR OR END) = 10' D.C. (MAX.)
- 12. 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.
- 13. GROUND ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6' DF EACH RAFTER COLUMN ALONG SIDES.
- 14. GROUND ANCHORS CONSIST OF #4 REBAR W/ WELDED NUT x 36' LONG IN SUITABLE SOIL CONDITIONS. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS AS NOTED.
- 15. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:

SOIL SITE CLASS = D RISK CATEGORY I/II/III

R= 3.25

 $I_E = 1.0$

 $S_{DS} = 2.039 g$ V= CsW

S_{D1}= 1.258 g

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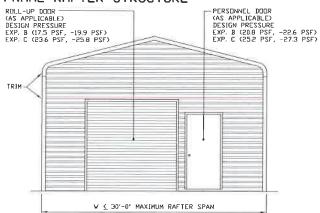
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PROJECT MGR: VSM	DATE: 12-7-18		JOB 1616	ND:
CLIENT: EAGLE CARPORTS	SHT. 3	DAC NO 2K-3		REV= 7

BOX EAVE FRAME RAFTER STRUCTURE RDLL-UP DDDR (AS APPLICABLE) DESIGN PRESSURE EXP. B (175 PSF, -199 PSF) EXP. C (236 PSF, -258 PSF) TRIM TRIM

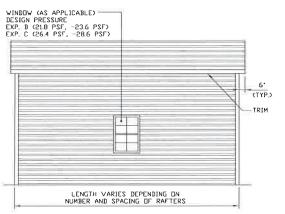
TYPICAL END ELEVATION

SCALE: NTS

BOW FRAME RAFTER STRUCTURE

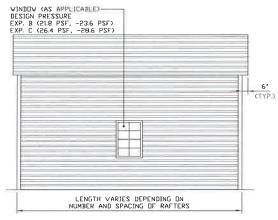


TYPICAL END ELEVATION



TYPICAL SIDE ELEVATION

SCALE: NTS



TYPICAL SIDE ELEVATION

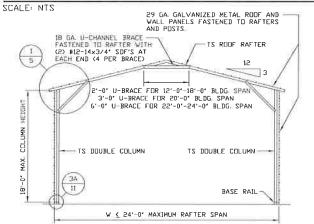
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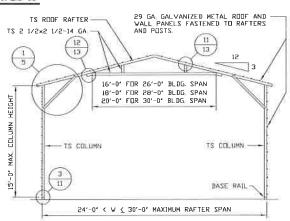
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			JOB	NO:	
				209281\22108152	
 CLIENT: EAGLE CARPORTS	SHI. 3A	DAC NO 2K-3		REV: 7	

EXPOSURE B 29 GA. GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO RAFTERS AND POSTS. 18 GA. U-CHANNEL BRACE—FASTENED TO RAFTER WITH (2) #12-14x3/4' SDF'S AT EACH END (4 PER BRACE) TS ROOF RAFTER 5 3 '-0' U-BRACE FOR 12'-0'-18'-0' BLDG SPAN 3'-0' U-BRACE FOR 20'-0' BLDG SPAN HE1GH1 6'-0' U-BRACE FOR 22'-0'-24'-0' BLDG SPAN CDLUMN TS COLUMN TS COLUMN MAX 15.-0, 3 BASE RAIL V C 24'-0' MAXIMUM RAFTER SPAN

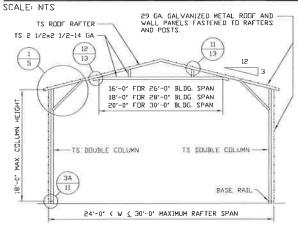
TYPICAL RAFTER/COLUMN END FRAME SECTION



TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION



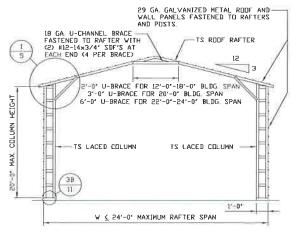
TYPICAL RAFTER/COLUMN END FRAME SECTION

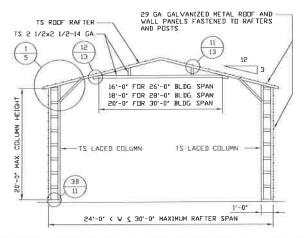
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	CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTUR				
-	PROJECT MGR: VSM	DATE: 12-7-18	SCALE: NTS	JOB 1616	ND:	
	CLIENT: EAGLE CARPORTS	SHT. 4	DVG. NO: SK-3		REV= 7	

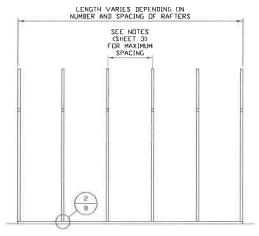
EXPOSURE B





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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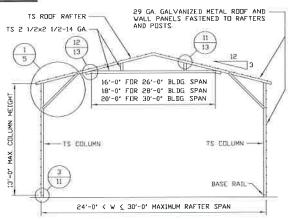
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	DATE: 12-7-18	- Marie - Mari			

TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS 29 GA. GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO RAFTERS AND POSTS. 18 GA. U-CHANNEL BRACE — FASTENED TO RAFTER WITH (2) #12-14X3/4' SDF'S AT EACH END (4 PER BRACE) TS ROOF RAFTER 1 5 12 13 2'-0' U-BRACE FOR 12'-0'-18'-0' BLDG SPAN 3'-0' U-BRACE FOR 20'-0' BLDG SPAN 6'-0' U-BRACE FOR 22'-0'-24'-0' BLDG SPAN HEIGHT COLUMN TS DOUBLE COLUMN 12 DOUBLE COLUMN -MAX (3A) BASE RAIL W < 24'-D' MAXIMUM RAFTER SPAN

TYPICAL RAFTER/COLUMN END FRAME SECTION



TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS 29 GA, GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO RAFTERS AND POSTS TS ROOF RAFTER-TS 2 1/2×2 1/2-14 GA 12 13 12 Тэ 16'-0' FOR 26'-0' BLDG SPAN 18'-0' FOR 28'-0' BLDG SPAN HEIGHT 20'-0" FOR 30'-0" BLDG SPAN CDLUMN WIND STRUCT ST -TS DOUBLE COLUMN -MAX (3A) BASE RAIL 24'-0' (W & 30'-0' MAXIMUM RAFTER SPAN

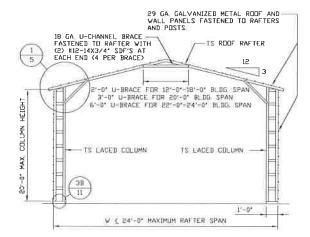
TYPICAL RAFTER/COLUMN END FRAME SECTION
SCALE: NTS

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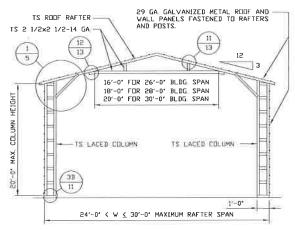
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PROJECT MGR: VSM	DATE: 12-7-18		JOB 1616	NC: 65/180152/185602				
CLIENT: EAGLE CARPORTS	SHT. 4B	DWG. NO: SK-3	9 2	REV: 7				

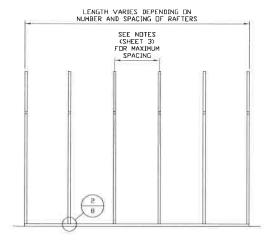
EXPOSURE C



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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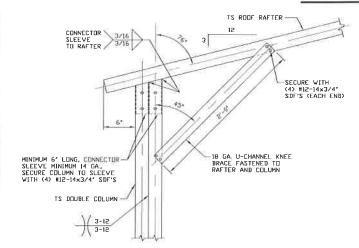
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CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE DATE: 12-7-18 SCALE: NTS 161665/180125/18260						
PROJECT MGR: VSM							
CLIENT: EAGLE CARPORTS	SHT. 4C	DVG. NO: SK-3		REV: 7			

EXPOSURE B TS ROOF RAFTER SLEEVE TO 3/16 RAFTER 3/16 SECURE WITH (4) #12-14x3/4' SDF'S (EACH END) MINIMUM 6' LONG, MINIMUM 14 GA, CONNECTOR SLEEVE SECURE WITH (4) HI2-14×3/4' SDF'S 6" 1-B" -18 GA. U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN -18 GA U-CHANNEL BRACE FASTENED TO THE COLUMN AND ROOF BEAM, WITH (4) B12-14x3/4° SDF'S AT EACH END (8 PER BRACE) 2 1/2" TS COLUMN CMAX.) BRACE SECTION 3/16 TYP. SCALE: NTS 3/16 TS CHORD BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 18'-0" < TO < 20'-0" 1A SCALE: NTS

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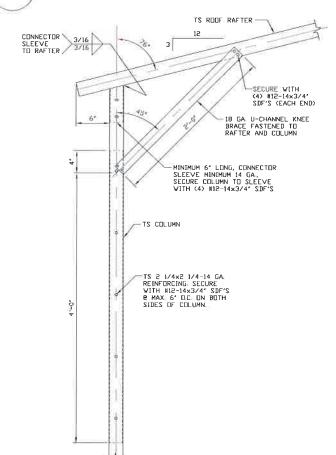
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DISTANT DI- C1	M	MOUNT AIRY, NC 27030						
CHECKED BY: PDH	30-0"x20'-0" SP ENCLOSED STRUCTURE							
PROJECT MGR: VSM	DATE: 12-7-18		JOB 1616	ND: 6S/18012S/18260S				
CLIENT: EAGLE CARPORTS	SHT. 5A	DVG. ND: SK-3		REV. 7				

EXPOSURE B



BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 15'-0" < TO < 18'-0" 1B

SCALE: NTS



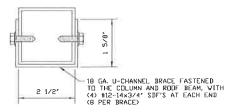
TS ROOF RAFTER CONNECTOR 3/16 SLEEVE TO RAFTER 3/16 12 SECURE WITH

(4) #12-14x3/4'

SDF'S (EACH END) MINIMUM 6' LONG, CONNECTOR SLEEVE MINIMUM 14 GA, SECURE COLUMN TO SLEEVE WITH (4) #12-14x3/4' SDF'S 10 GA U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN TS COLUMN

> BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS < 12'-0" 1D

SCALE: NTS



BRACE SECTION

SCALE: NTS

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 12'-0" < TO ≤ 15'-0" SCALE: NTS

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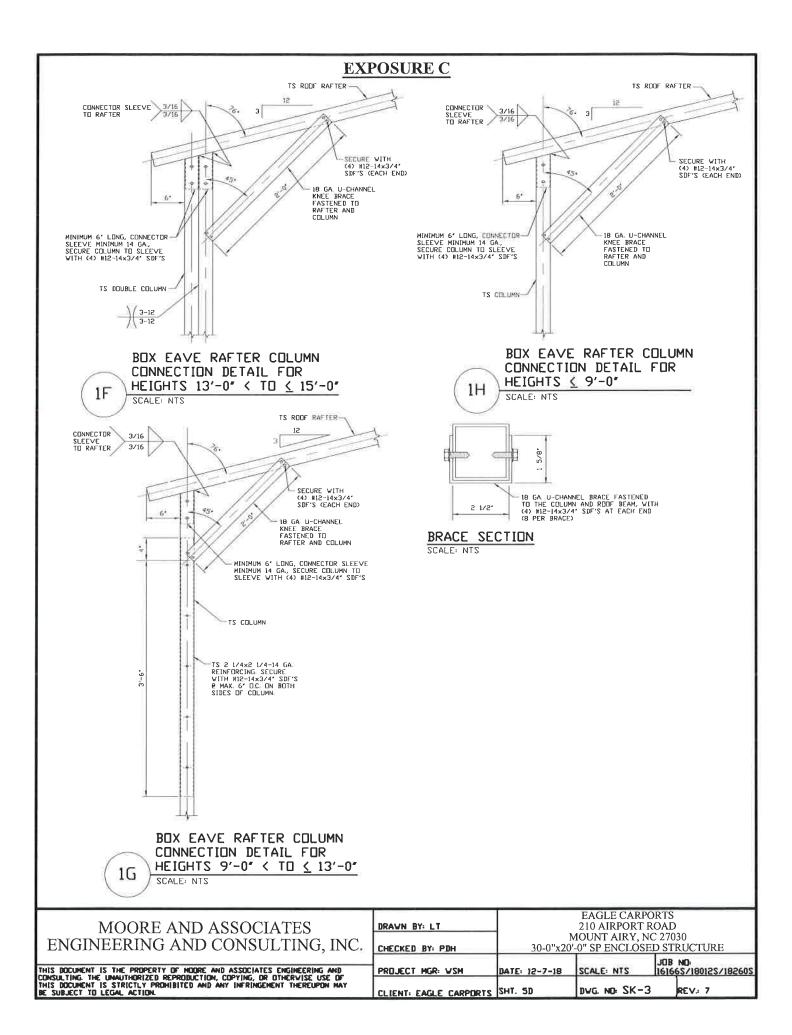
		EAGLE CARPORTS						
	DRAWN BY: LT	210 AIRPORT ROAD MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE						
	CHECKED BY: PDH							
_				JOB				
	PROJECT MGR: VSM	DATE: 12-7-18	SCALE: NTS	1616	62/180152/185602			
	CLIENT: FAGLE CARPORTS	SHT. 5B	DAC NO 2K-3		REV= 7			

EXPOSURE C TS ROOF RAFTER CONNECTOR 3/16 SLEEVE TO 3/16 SECURE WITH (4) #12-14x3/4' SDF'S (EACH END) -MINIMUM 6' LŪNG, MINIMUM 14 GA, CŪNNECTOR SLEEVE SECURE WITH (4) #12-14×3/4' SDF'S 1-B* 18 GA, U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN 18 GA, U-CHANNEL BRACE FASTENED TO THE COLUMN AND ROOF BEAM, WITH (4) N12-14-3/4" SDF'S AT EACH END (8 PER BRACE) BRACE SECTION SCALE: NTS 3/16 3/16 TS CHORD BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 15'-0" < TO < 20'-0" 1E SCALE: NTS

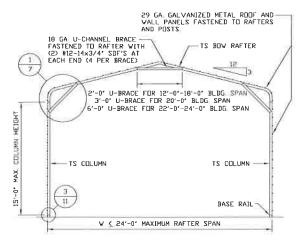
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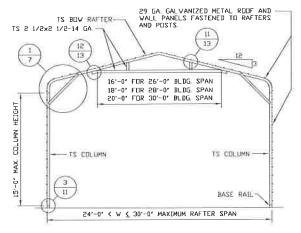
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_	PROJECT HGR: VSM	DATE: 12-7-18	SCALE: NTS	JOB 1616	ND: 62/180152/185602		
	CLIENT: EAGLE CARPORTS		DVG. NO: SK-3		REV.: 7		



EXPOSURE B

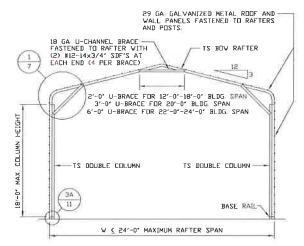




TYPICAL RAFTER/COLUMN END FRAME SECTION

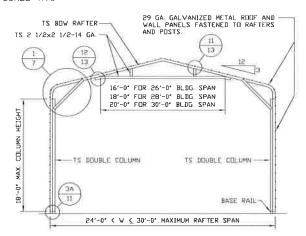
SCALE: NTS

TYPICAL RAFTER/COLUMN END FRAME SECTION
SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION

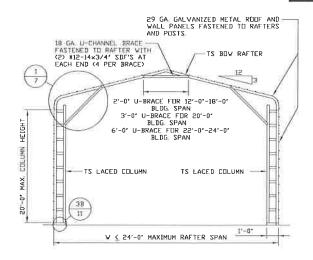
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TYPICAL RAFTER/COLUMN END FRAME SECTION

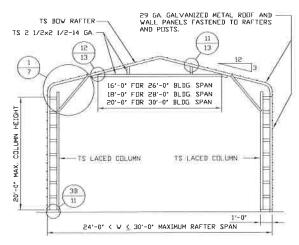
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MOORE AND ASSOCIATES	DRAWN BY: LT		EAGLE CARPOI 210 AIRPORT ROUNT AIRY, NC	DAD

EXPOSURE B



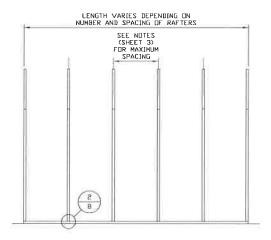
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN FRAMING SIDE SECTION

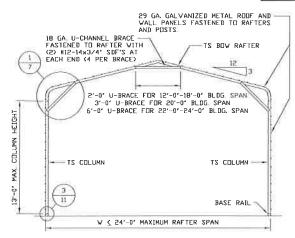
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	PROJECT MGR: VSM	DATE: 12-7-18	SCALE: NTS		209281/221081/29	
	CLIENT: EAGLE CARPORTS	SHT. 6A	DAC" NO 2K-3		REV.: 7	

EXPOSURE C

SCALE: NTS

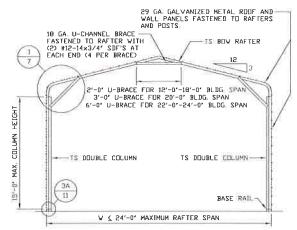


29 GA GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO RAFTERS AND POSTS TS BOW RAFTER-TS 2 1/2×2 1/2-14 GA. 13 13 12 16'-0' FOR 26'-0' BLDG SPAN 18'-0' FOR 28'-0' BLDG SPAN 20'-0' FOR 30'-0' BLDG SPAN HE 19H COLUMN TS COLUMN TS COLUMN -MAX 13'-0" (3) BASE RAIL -24'-0' (₩ < 30'-0" MAXIMUM RAFTER SPAN

TYPICAL RAFTER/COLUMN END FRAME SECTION

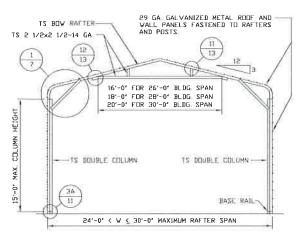
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION

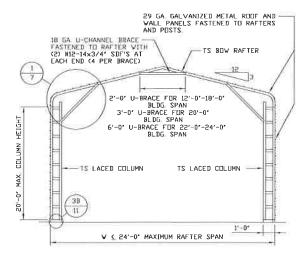
SCALE: NTS



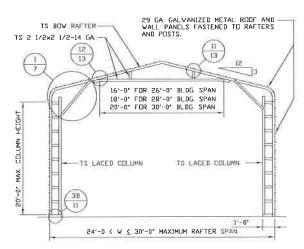
TYPICAL RAFTER/COLUMN END FRAME SECTION

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MOORE AND ASSOCIATES	DRAWN BY: LT		210 AIRPORT R	OAD

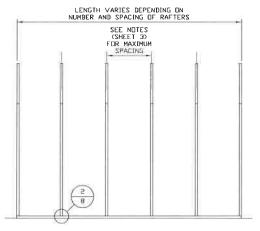
EXPOSURE C



TYPICAL RAFTER/COLUMN END FRAME SECTION
SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS



TYPICAL RAFTER/COLUMN FRAMING SIDE SECTION SCALE: NTS

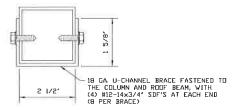
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] N	MOUNT AIRY, NC 27030				
CHECKED BY: PDH	30-0"x20'-0" SP ENCLOSED STRUCTURE					
			JOB NO:			
PROJECT MGR: VSM	DATE: 12-7-18	SCALE: NTS	161662/180152/1856	20		
CLIENT: EAGLE CARPORTS	SHT. 6C	DVG. NO: SK-3	REV= 7			

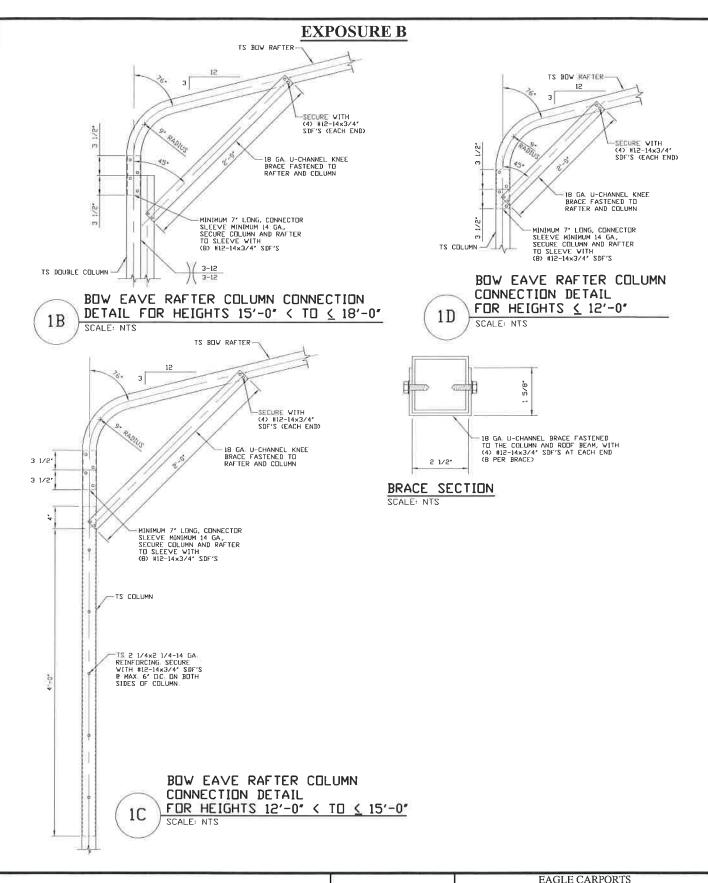
MINIPUM 77 LDMG. MINIPUM 77 LDMG. MINIPUM 16 EA. CDANCETOR SLEVE SECURE VITH (4) NIZ-14x3/4′ SDF'S CACH END TS CHORD TS CHORD TS CDLUMN TS CDLUMN

BOW RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 18'-0" < TO < 20'-0"



BRACE SECTION
SCALE: NTS

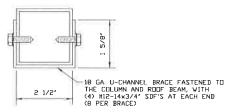
MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.			EAGLE CARPORTS 210 AIRPORT ROAD MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE		
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PROJECT MGR: VSM	DATE: 12-7-18		JOB NO: 16166\$/18012\$/18260\$
CLIENT: EAGLE CARPORTS	SHT. 7B	DVG. NO: SK-3	REV# 7
	CHECKED BY: PDH PROJECT MGR: VSM	CHECKED BY: PDH 30-0"x20"- PROJECT MGR: VSM DATE: 12-7-18	DRAWN BY: LT

MINIMUM 7' LUNG, MINIMUM 14 GA., CONNETUR SEEVE SECURE VITH (4) RIC-14x3/4' SIF'S RIC-14x3/4' SIF'S

BOW EAVE RAFTER COLUMN CONNECTION
DETAIL FOR HEIGHTS 15'-0" < TO < 20'-0"

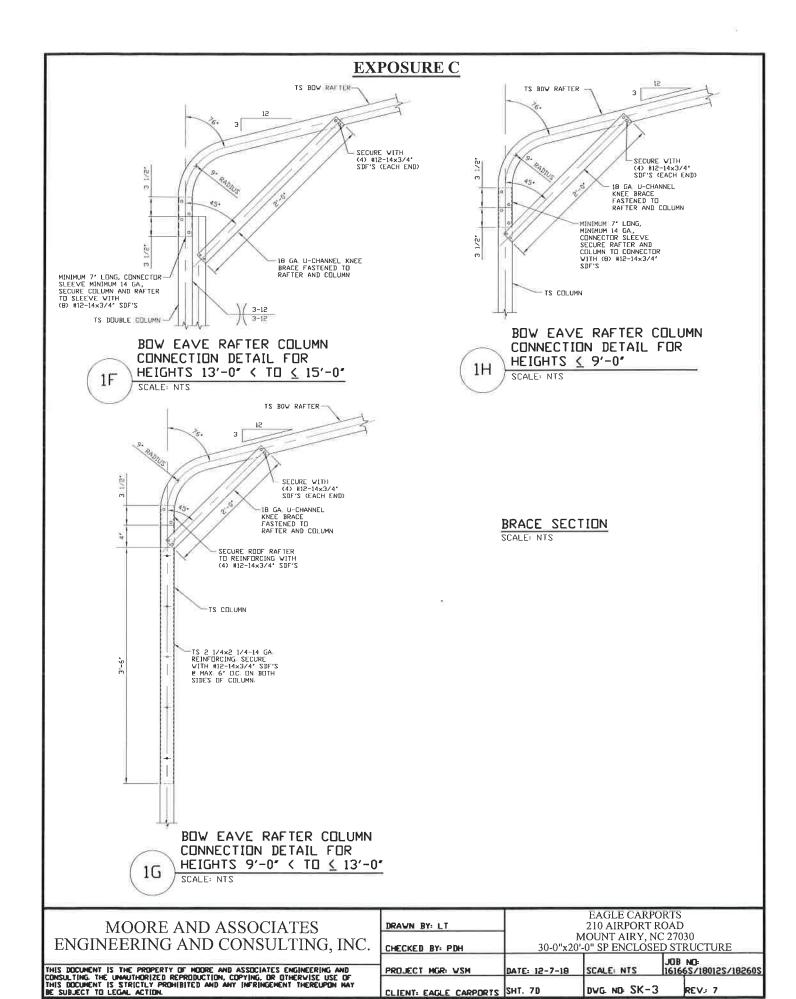


BRACE SECTION SCALE: NTS

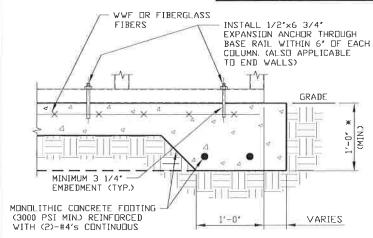
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-	PROJECT MGR: VSM	DATE: 12-7-18		JOB NO:			
10	CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE					
	DRAWN BY: LT	EAGLE CARPORTS 210 AIRPORT ROAD					



BASE RAIL ANCHORAGE OPTIONS



28

CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

MINIMUM ANCHOR EDGE DISTANCE IS 45

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

GENERAL NOTES

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

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH DF 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:

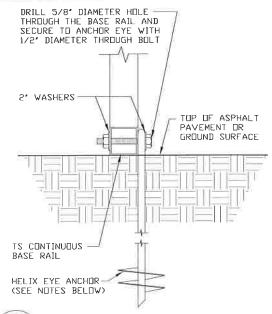
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 DR FIBERGLASS FIBER REINFORCEMENT.

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 LODSE 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.



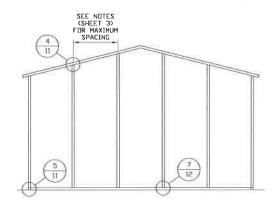
GROUND BASE HELIX ANCHORAGE 2B SCALE: NTS (CAN BE USED FOR ASPHALT)

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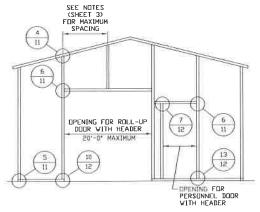
	CLIENT: EAGLE CARPORTS	SHT. 8	DVG. NO: SK-3	REV# 7		
-	PROJECT MGR: VSM	DATE: 12-7-18		JOB NO:		
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BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS



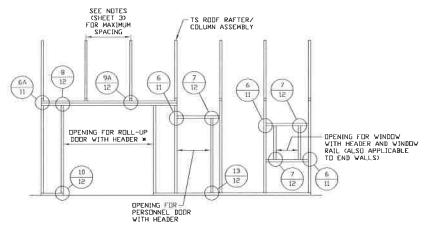
TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION

SCALE: NTS



TYPICAL BOX EAVE RAFTER END WALL OPENINGS FRAMING SECTION

SCALE: NTS



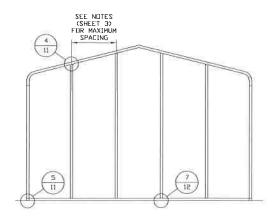
TYPICAL BOX EAVE RAFTER SIDE WALL OPENINGS FRAMING SECTION

SCALE: NTS

st SEE SHEET 16 FOR MAXIMUM SPAN

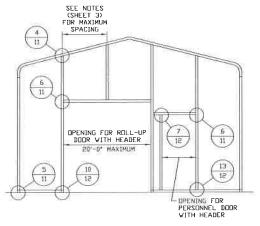
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BOW RAFTER END WALL AND SIDE WALL OPENINGS



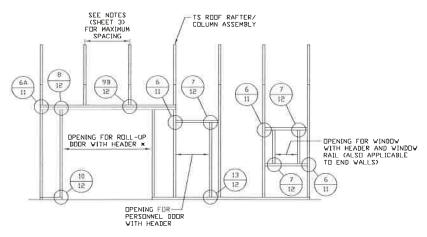
TYPICAL BOW RAFTER END WALL FRAMING SECTION

SCALE: NTS



TYPICAL BOW RAFTER END WALL OPENINGS FRAMING SECTION

SCALE: NTS



TYPICAL BOW RAFTER SIDE WALL OPENINGS FRAMING SECTION

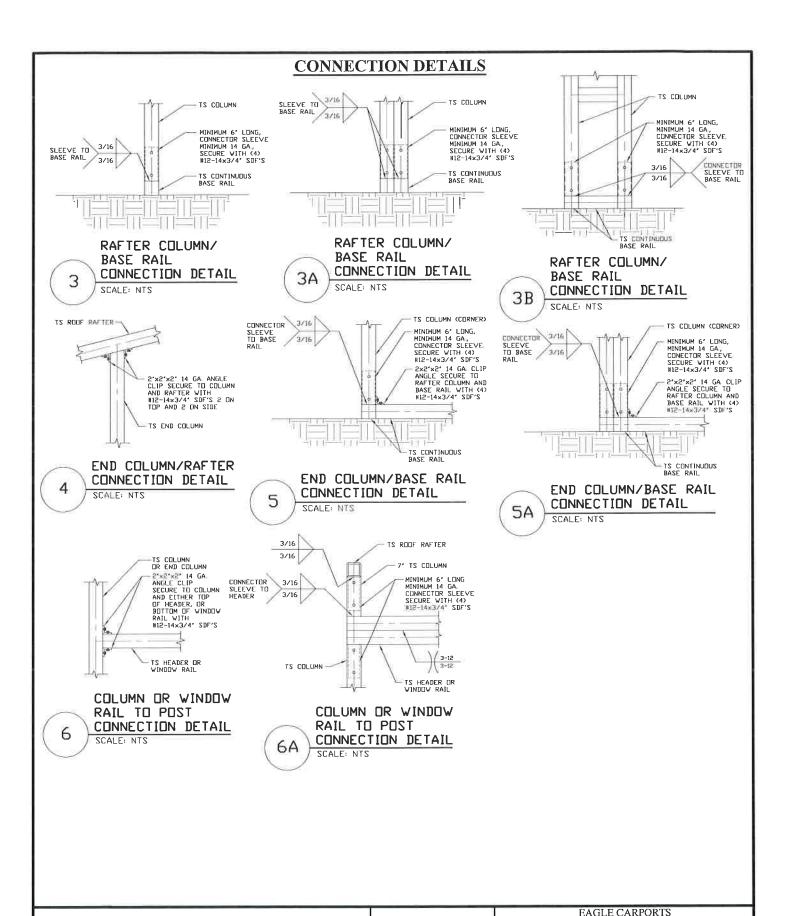
SCALE: NTS

* SEE SHEET 16 FOR MAXIMUM SPAN

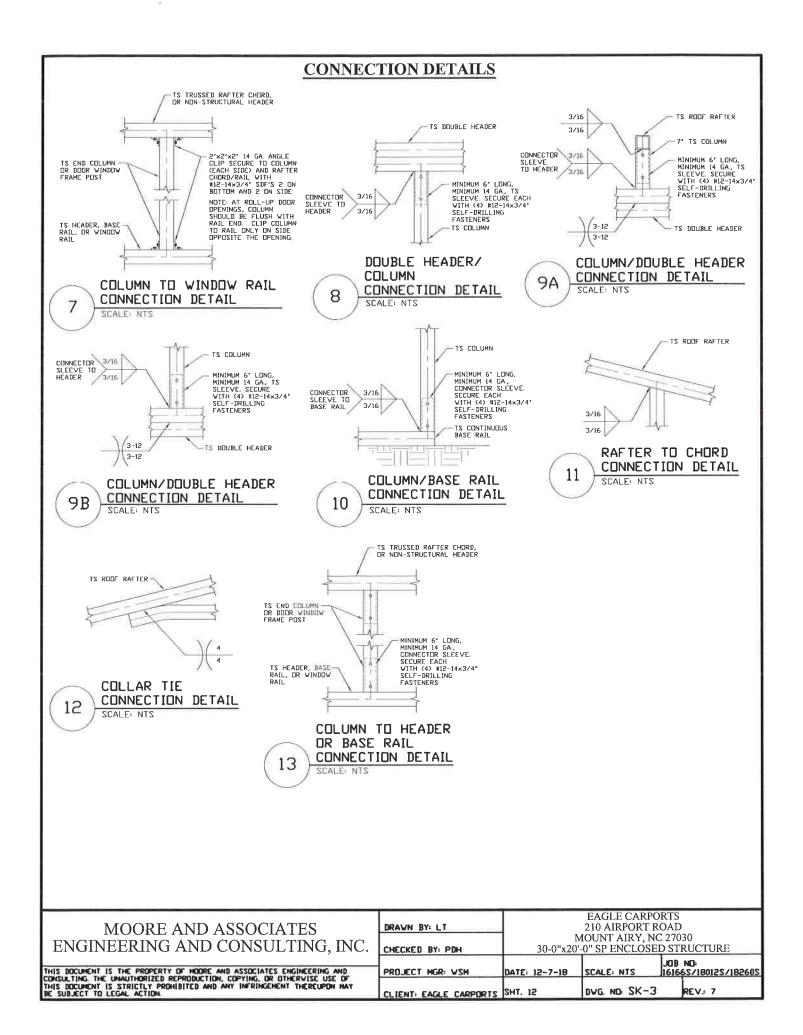
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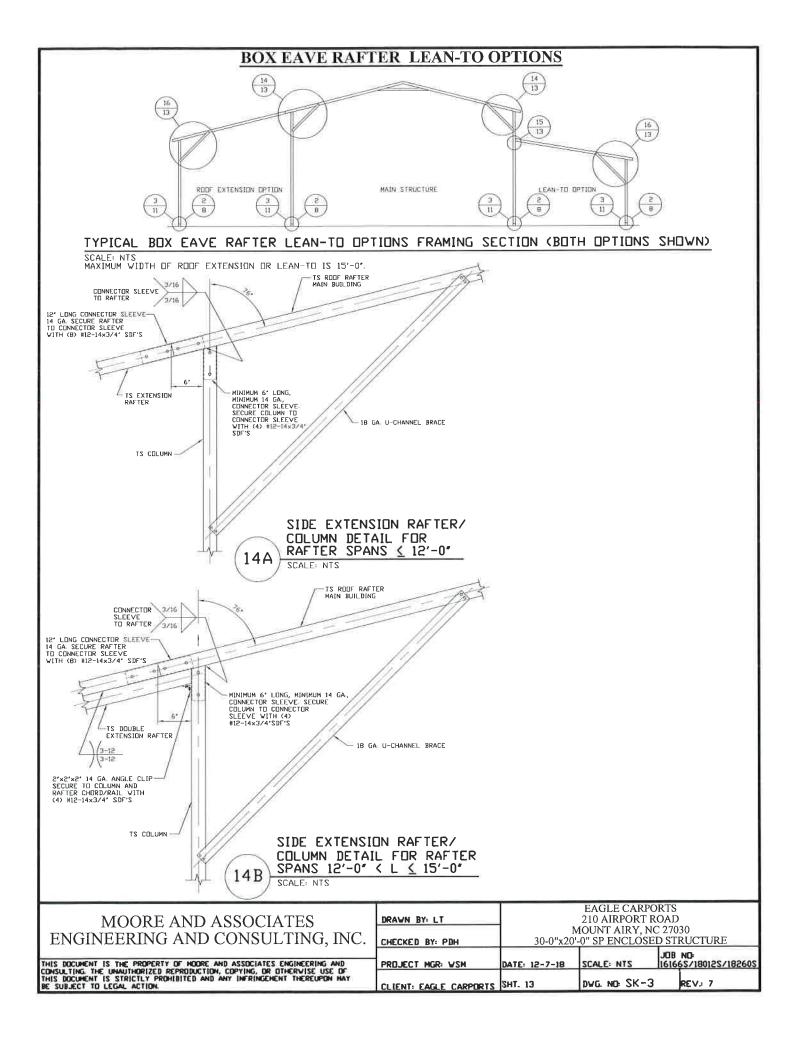
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	CLIENT: FACLE CAPPIDETS	SHT. 10	DVG. NO: SK-3		REV: 7	

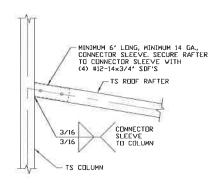


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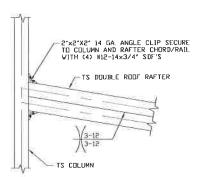




BOX EAVE RAFTER LEAN-TO OPTIONS



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



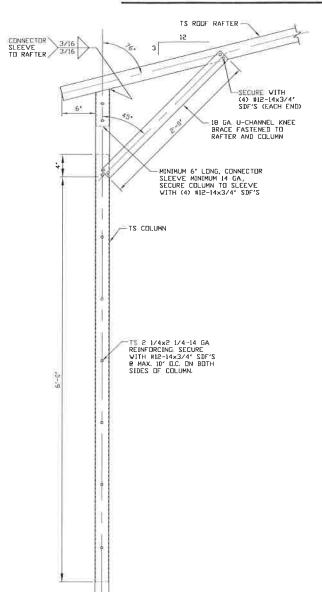
LEAN-TO RAFTER TO RAFTER
COLUMN CONNECTION DETAIL
FOR RAFTER SPANS 12'-0' < L < 15'-0'
SCALE: NTS

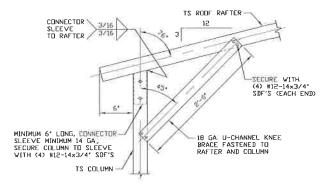
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	PROJECT MGR: VSM	DATE: 12-7-18		161662\180152\185602		
	CLIENT: EAGLE CARPORTS	SHT. 13A	DWG. NO: SK-3	REV. 7		

BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE B

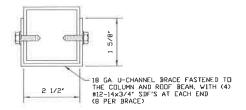




BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS < 14'-0"

SCALE: NTS

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



BRACE SECTION

SCALE: NTS

16B

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 14'-0" < TO < 20'-0"

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

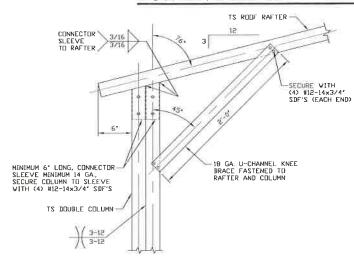
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	CLIENT: EAGLE CARPORTS	SHT. 13B	DVG. NO: SK-3	3	REV.: 7	

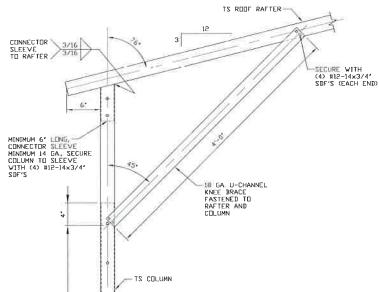
BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE C



BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 18'-0" < TO < 20'-0"

16C

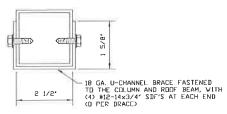
SCALE: NTS HORSE BARN OPTION REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING.



TS 2 1/4×2 1/4-14 GA
REINFORCING SECURE
WITH #12-14×3/4' SDF'S
@ MAX. B' DC DN BOTH
SIDES OF COLUMN

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.)



BRACE SECTION SCALE: NTS

16E

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 13'-0" < TO ≤ 18'-0"

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

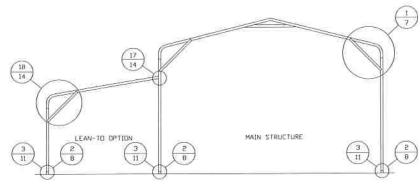
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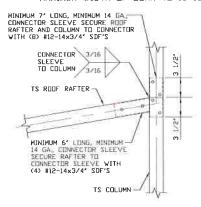
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	MOUNT AIRY, NC 27030				
 CHECKED BY: PDH	30-0"x20'-0" SP ENCLOSED STRUCTUR				
			JOB NO:		
PROJECT MGR: VSM	DATE: 12-7-18	SCALE: NTS	161665/180	209281/251	
CLIENT: EAGLE CARPORTS	SHT. 13C	DWG. NO: SK-3	REV.	7	

BOW RAFTER LEAN-TO OPTION



TYPICAL BOW RAFTER LEAN-TO OPTION FRAMING SECTION

SCALE: NTS MAXIMUM WIDTH OF LEAN-TO IS 15'-0".



LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS \(\) 12'-0'

SCALE: NTS

17A

MINIMUM 7' LONG, MINIMUM
14 GA, CONNECTOR SLEEVE
SECURE ROOF RAFTER AND
COLUMN TO CONNECTOR WITH
(8) MI2-14x3/4' SDF'S

TS DOUBLE
ROOF RAFTER

2'x2'X2' 14 GA. ANGLE CLIP
SECURE TO COLUMN AND
RAFTER CHORD/RALL WITH
(4) MI2-14x3/4' SDF'S

TS COLUMN

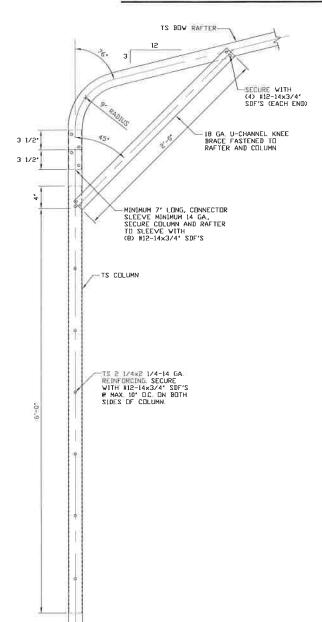
LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS 12'-0" < L < 15'-0"

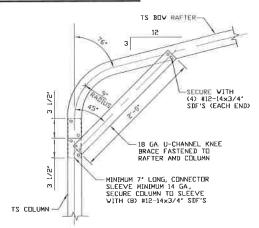
SCALE: NTS

17B

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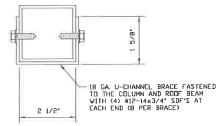
BOW RAFTER LEAN-TO OPTION - EXPOSURE B





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

18B

BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 14'-0" < TO < 20'-0"

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

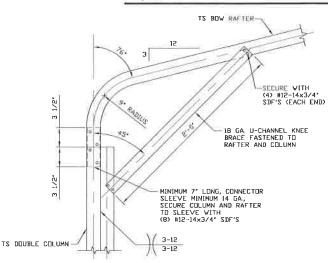
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18A

	CLIENT: EAGLE CARPORTS		DVG. NO: SK-		REV: 7	
_	PROJECT MGR: VSM	DATE: 12-7-18	SCALE: NTS		ND: 65/180125/182605	
8	CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE				
	DRAWN BY: LT	EAGLE CARPORTS 210 AIRPORT ROAD				

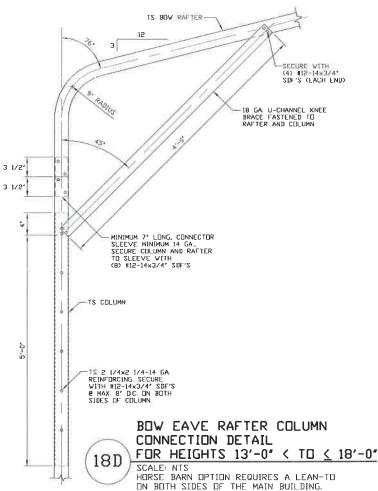
BOW RAFTER LEAN-TO OPTION - EXPOSURE C

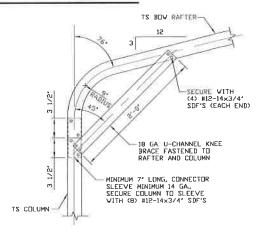


BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 18'-0" < TO < 20'-0"

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

18C

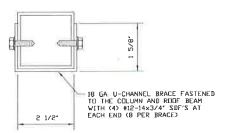




BOW EAVE RAFTER COLUMN CONNECTION DETAIL

FOR HEIGHTS < 13'-0"

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



BRACE SECTION

SCALE: NTS

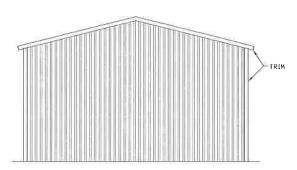
18E

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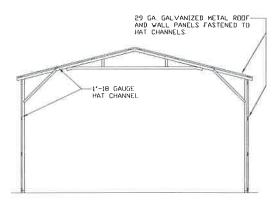
	DRAWN BY: LT	EAGLE CARPORTS 210 AIRPORT ROAD MOUNT AIRY, NC 27030				
	CHECKED BY: PDH	30-0"x20'-0" SP ENCLOSED STRUCTURE				
_	PROJECT HGR: VSH	DATE: 12-7-18		JOB 1616	NO: 65/180125/182605	
	CLIENT: EAGLE CARPORTS		DVG. NO: SK-3		REV= 7	

BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



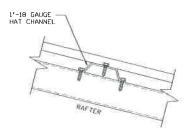
TYPICAL END ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS



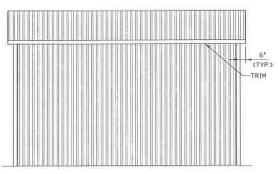
TYPICAL SECTION VERTICAL ROOF/SIDING OPTION

SCALE: NTS



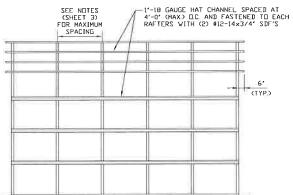
PANEL ATTACHMENT

(ALTERNATE FOR VERTICAL ROOF PANELS) SCALE: NTS



TYPICAL SIDE ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS



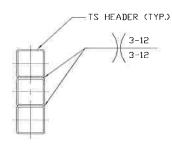
TYPICAL FRAMING SECTION VERTICAL ROOF/SIDING OPTION

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		EAGLE CARPORTS					
	DRAWN BY: LT	210 AIRPORT ROAD					
		MOUNT AIRY, NC 27030					
•00	CHECKED BY: PDH	30-0"x20'-0" SP ENCLOSED STRUCTURE					
_				JOB NO:			
	PROJECT MGR: VSM	DATE: 12-7-18	SCALE: NTS	161662\180152\185602			
	CLIENT: FACLE CAPPORTS	SHT. 15	DAC NO 2K-3	REV: 7			

SIDE WALL HEADER OPTIONS



HEADER DETAIL FOR 12'-0" < LENGTHS <u><</u> 16'-0" SCALE: NTS TS HEADER (TYP.) 3-12 3-12

HEADER DETAIL FOR LENGTHS & 12'-0"

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		EAGLE CARPORTS						
	DRAWN BY: LT	Į.						
		MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE						
.]	CHECKED BY: PDH							
				ЪDВ	NO:			
	PROJECT MGR: VSM	DATE: 12-7-18	SCALE: NTS	16160	209281/221081/29			
	CLIENT: EAGLE CARPORTS	SHT. 16	DVG. NO: SK-3 REV. 7		REV.: 7			