

STRUCTURAL DESIGN

ENCLOSED BUILDING

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

9 February 2018 Revision 6 M&A Project No. 16166S/17207S/17293S/18012S

Prepared for:

Eagle Carports 210 Airport Road Mount Airy, NC 27030

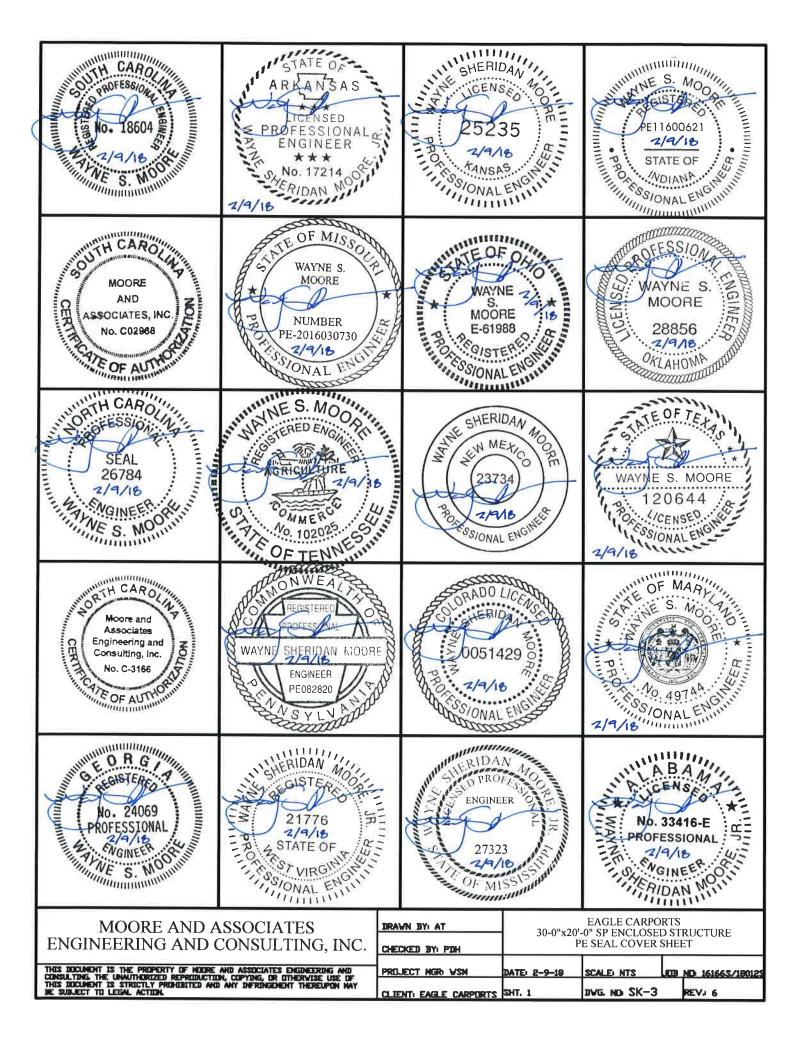
Prepared by:

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 2/9/16				
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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 THE 2017 FLORIDA BUILDING CODE (FBC) 6TH EDITION, 2012 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 (VULT) 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. RISK CATEGORY I.
- 8. WIND EXPOSURE CATEGORY B/C.
- 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.
- 10. AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR HAT CHANNELS, AND COLUMNS (INTERIOR OR END) = 10° D.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.
- 12. GROUND ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6' OF EACH RAFTER COLUMN ALONG SIDES.
- 13. 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.
- 14. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:

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

R= 3.25

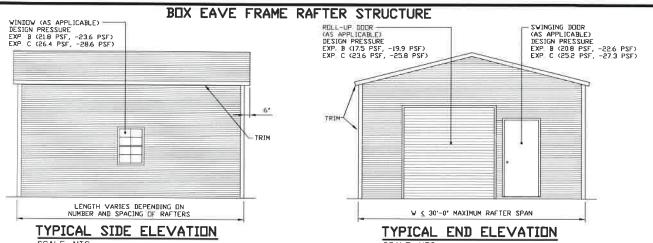
 $I_E = 1.0$ V= $C_S W$

 $S_{DS} = 1.522$ $S_{DI} = 0.839$

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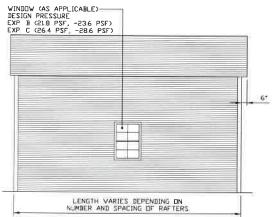
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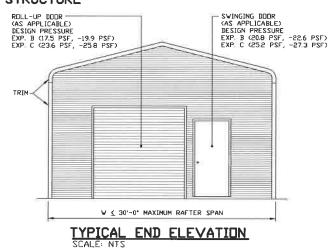


SCALE: NTS

BOW FRAME RAFTER STRUCTURE



TYPICAL SIDE ELEVATION
SCALE: NTS



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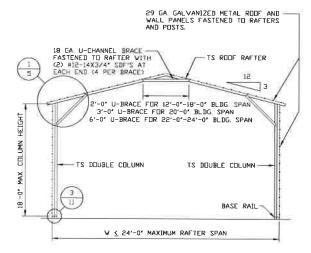
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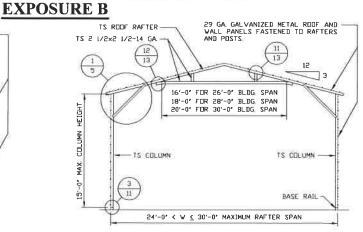
29 GA. GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO RAFTERS AND POSTS. 18 GA U-CHANNEL BRACE— FASTENED TO RAFTER WITH (2) #12-14X3/4' SDF'S AT EACH END (4 PER BRACE) TS ROOF RAFTER 5 12 3 2'-0' U-BRACE FOR 12'-0'-18'-0' BLDG SPAN 3'-0' U-BRACE FOR 20'-0' BLDG SPAN HETGHT 6'-0" U-BRACE FOR 22'-0'-24'-0" BLDG SPAN CDLUMN TS COLUMN TS COLUMN -MAX o (3) BASE RAIL

TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS

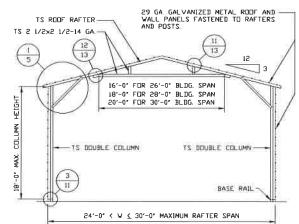
W < 24'-0' MAXIMUM RAFTER SPAN



TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION



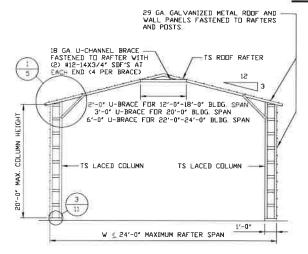
TYPICAL RAFTER/COLUMN END FRAME SECTION
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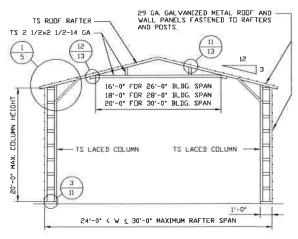
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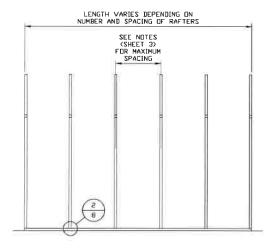
EXPOSURE B



TYPICAL RAFTER/COLUMN END FRAME SECTION
SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS

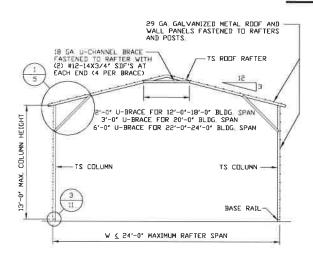


TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION
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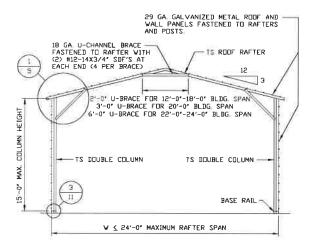
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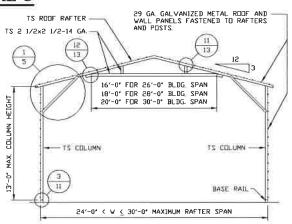
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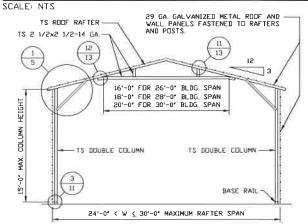
TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION

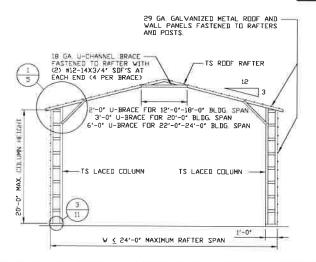


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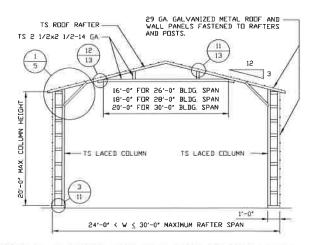
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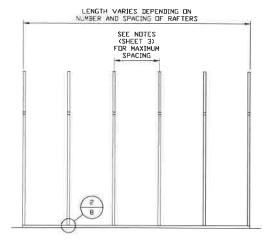
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TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION



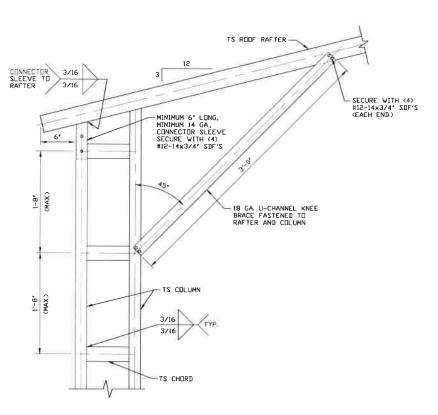
TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

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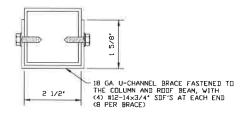
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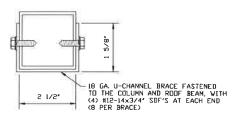
BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 18'-0" < TO < 20'-0"



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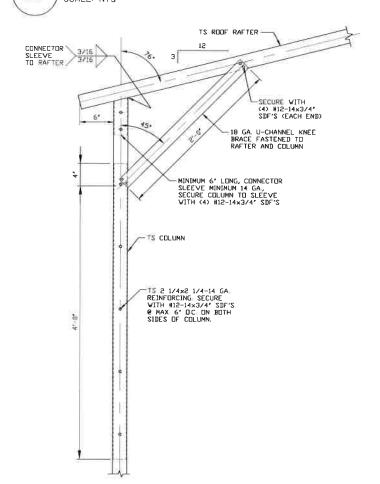
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CONNECTOR 3/16 SLEEVE TO RAFTER 3/16 3/16 12 SECURE WITH (4) #12-14x3/4' SDF'S (EACH END) MINIMUM 6' LONG, CONNECTOR SLEEVE MINIMUM 14 GA, SECURE COLLUMN TO SLEEVE WITH (4) #12-14x3/4' SDF'S TS DOUBLE COLLUMN 3-12 3-12 3-12



BRACE SECTION SCALE: NTS

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 15'-0' < TO \(\) 18'-0'

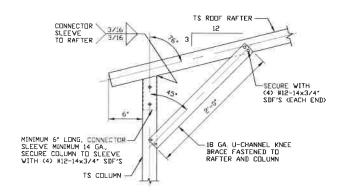


BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 12'-0" < TO < 15'-0" SCALE: NTS

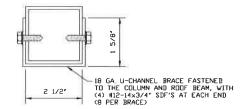
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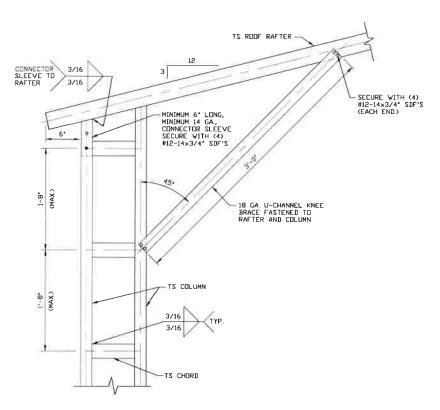
BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS & 12'-0'



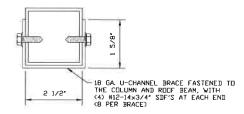
BRACE SECTION

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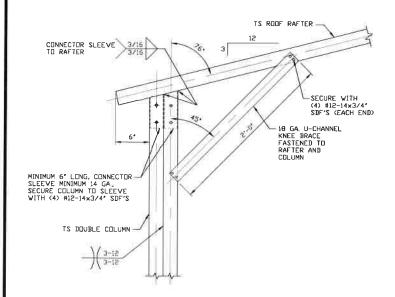


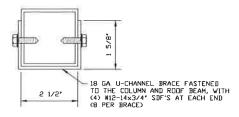
BOX EAVE RAFTER COLUMN CONNECTION
DETAIL FOR HEIGHTS 15'-0' < TO < 20'-0'
SCALE: NTS



BRACE SECTION SCALE: NTS

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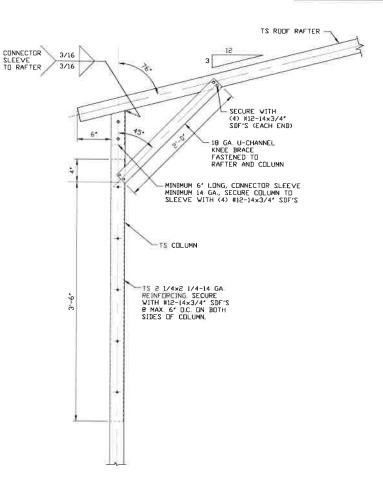
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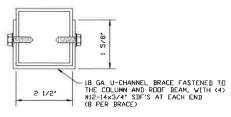
BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 13'-0' < TO \(\lefta \) 15'-0'

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CLIENT: EAGLE CARPORTS	SHT. SE	DVG. ND SK-	3	REV. 6





BRACE SECTION SCALE: NTS

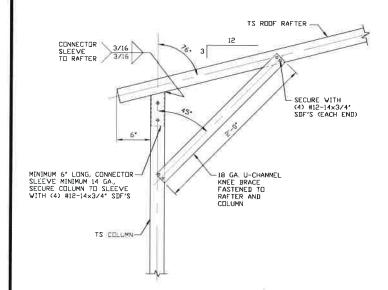
BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 9'-0" < TO \(\leq \) 13'-0"

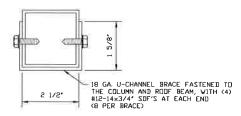
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PROJECT MGR: VSM	30-0"x20'-	OUNT AIRY, NO 0" SP ENCLOSEI	O ST	RUCTURE
CLIENT: EAGLE CARPORTS		DAC NO 2K-3		ND 161665/190125 REV. 6





BRACE SECTION
SCALE: NTS

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS & 9'-0'

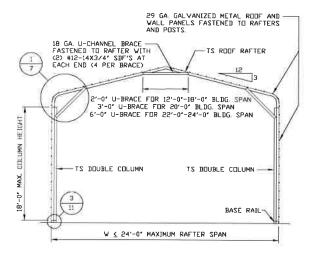
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CLIENT: EAGLE CARPORTS	SHT. 5G	DVG. ND SK-3		REV. 6
PROJECT MGR: VSM	DATE: 2-9-18	SCALE: NTS	LOB	ND 16166S/18012S
CHECKED BY: PDH		MOUNT AIRY, N '-0" SP ENCLOSE		
DRAVN BY: AT		EAGLE CARPO 210 AIRPORT F		

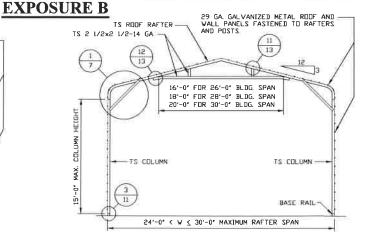
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS

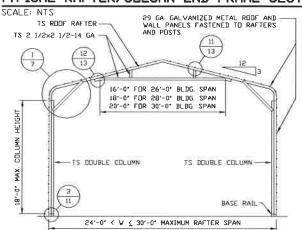


TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION



TYPICAL RAFTER/COLUMN END FRAME SECTION

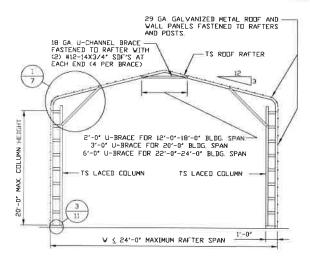
SCALE: NTS

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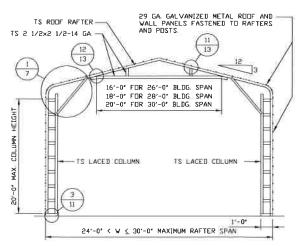
	MOVEME SERVICES	Neuro	0'-0" SP ENCLO	energy appropriately	CHECKED BY: PDH PRILIFCT MGR: WSM	
/18012	IB ND 16166S/	JOB	SCALE: NTS	DATE: 2-9-18	PROJECT NGR: VSN	-
	MOVEME SERVICES	Neuro	*******************	energy appropriately		

EXPOSURE B



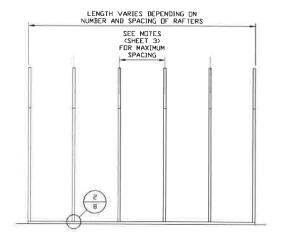
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN FRAMING SIDE SECTION

SCALE: NTS

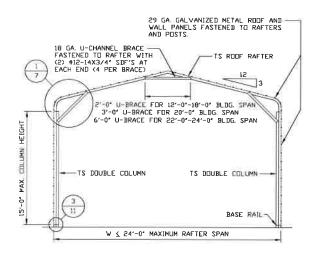
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PROJECT MGR VSM DATE 2-9-18 SCALE NTS JUB NO 16166S/18	125
STEELED BY PART SO-0 AZO-0 ST ENCEOSED STRUCTURE	\neg
MOUNT AIRY, NC 27030 CHECKED BY: PDH 30-0"x20'-0" SP ENCLOSED STRUCTURE	
DRAVN BY: AT EAGLE CARPORTS 210 AIRPORT ROAD	

29 GA GALVANIZED METAL RODF AND WALL PANELS FASTENED TO RAFTERS AND POSTS. 18 GA U-CHANNEL BRACE FASTENED TO RAFTER WITH TS RODF RAFTER WITH TS RODF RAFTER WITH TS RODF RAFTER WITH TEACH END (4 PER BRACE) 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 TS COLUMN TS COLUMN TS COLUMN BASE RAIL V \(\) 24'-0' MAXIMUM RAFTER SPAN

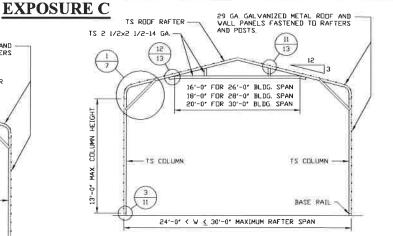
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS

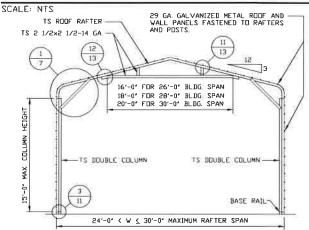


TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION



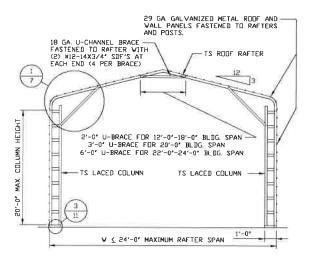
TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS

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	CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE			
+	PROJECT MGR VSM	DATE: 2-9-18	SCALE: NTS		ND 161665/190125
	CLIENT: EAGLE CARPORTS	SHT. 6B	DWG. ND SK-3		REV. 6



TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS

TS RODF RAFTER

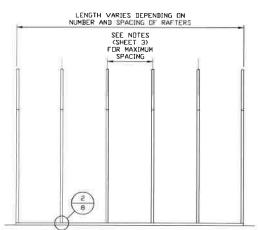
29 GA GALVANIZED METAL ROOF AND VALL PANELS FASTENED TO RAFTERS AND POSTS

11

13

16'-0' FOR 26'-0' BLDG SPAN
18'-0' FOR 28'-0' BLDG SPAN
20'-0' FOR 30'-0' BLDG SPAN
20'-0' FOR 30'-0' BLDG SPAN
20'-0' FOR 30'-0' MAXIMUM RAFTER SPAN

TYPICAL RAFTER/COLUMN END FRAME SECTION SCALE: NTS

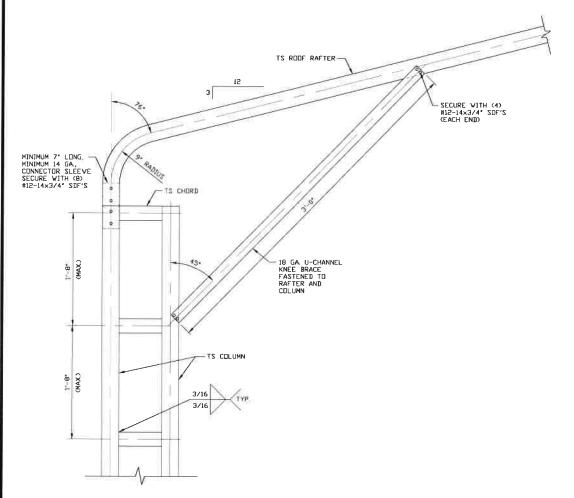


TYPICAL RAFTER/COLUMN FRAMING SIDE SECTION

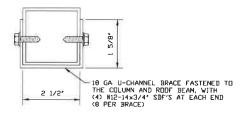
SCALE: NTS

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAVN BY: AT	EAGLE CARPORTS 210 AIRPORT ROAD MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE		OAD C 27030
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EXPOSURE B

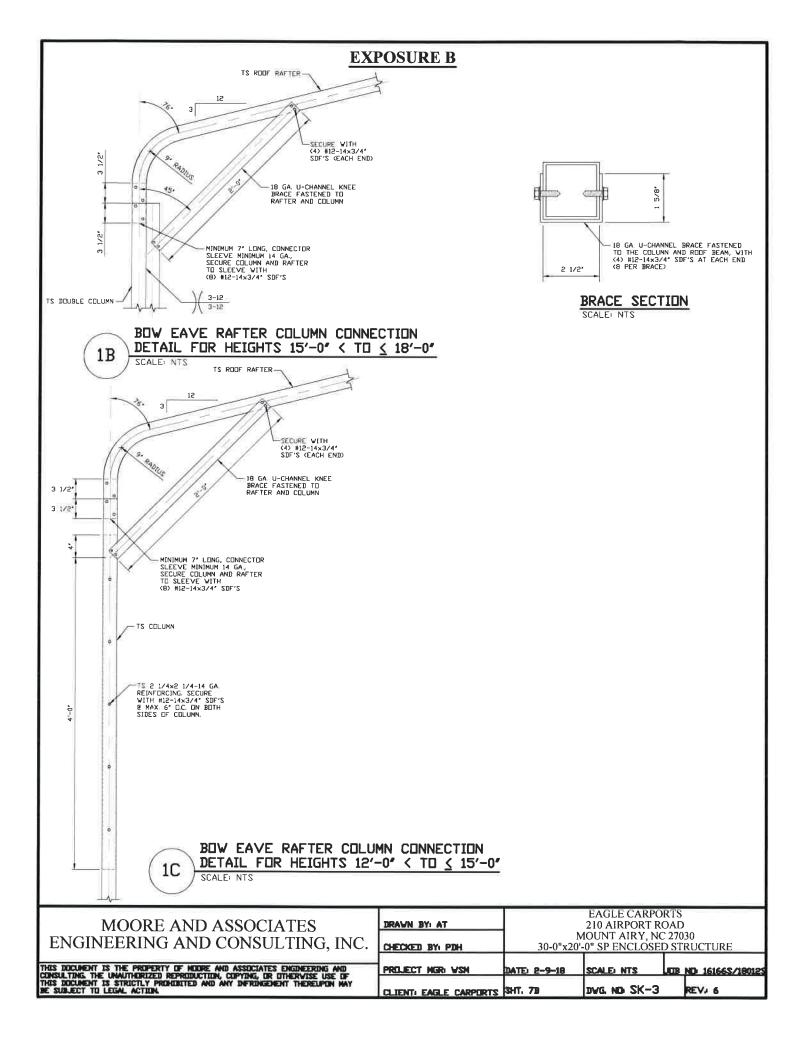


BOW EAVE RAFTER COLUMN CONNECTION
DETAIL FOR HEIGHTS 18'-0" < TO < 20'-0"

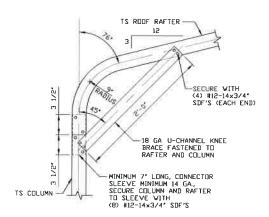


BRACE SECTION SCALE: NTS

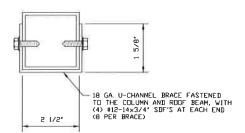
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ENGINEEDING AND CONCULTING INC	CHECKED BY: PDH		10UNT AIRY, NO -0" SP ENCLOSEI	
MOORE AND ASSOCIATES	DRAWN BY: AT		EAGLE CARPO 210 AIRPORT RO	



EXPOSURE B



BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS & 12'-0'

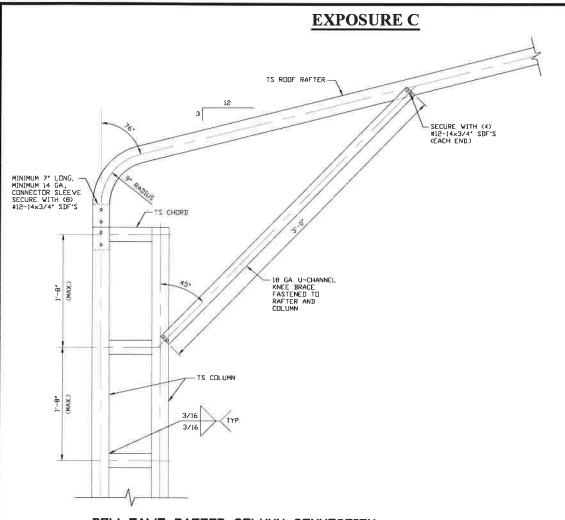


BRACE SECTION SCALE: NTS

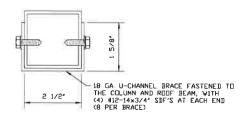
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CHECKED BY: PDH		MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE		
PROJECT MGR VSN	DATE: 2-9-18	SCALE: NTS	10B	ND 16166S/18012S
CLIENT: EAGLE CARPORTS	\$HT. 7C	DVG. ND SK-3		REV. 6



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

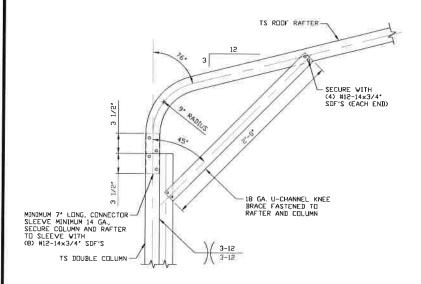


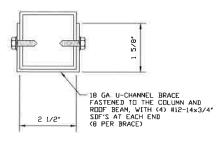
BRACE SECTION SCALE: NTS

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	CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE				
-	PROLECT MGR: VSM	DATE: 2-9-18 SCALE: NTS JUB ND: 161665/180				
	CLIENT: EAGLE CARPORTS	SHT. 7D	DVG. ND SK-3		REV. 6	





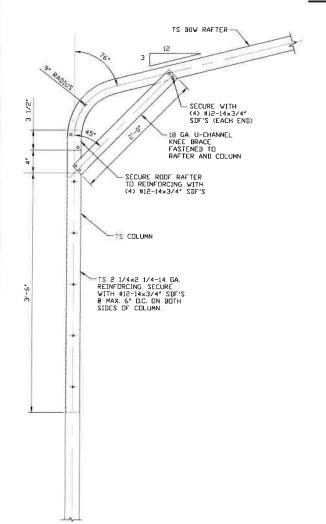
BRACE SECTION
SCALE: NTS

BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 13'-0' < TO \(\leq \) 15'-0'

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CLIENT: FAG E CAPPIDITS	SHT. 7F	DVG ND SK-3		REV. 6
PROJECT MGR VSM	DATE: 2-9-18	SCALE: NTS	JOB	ND 16166S/18012S
CHECKED BY: PDH		10UNT AIRY, NO -0" SP ENCLOSEI		
DRAWN BY: AT		EAGLE CARPO 210 AIRPORT R	OAD)



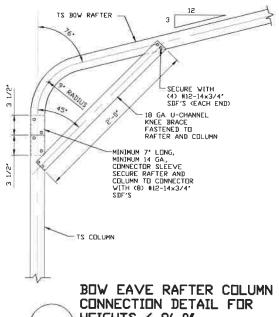
-18 GA U-CHANNEL BRACE FASTENED TO THE COLUMN AND RODE BEAM, WITH (4) #12-14×3/4' SDF'S AT EACH END (8 PER BRACE)

BRACE SECTION SCALE: NTS

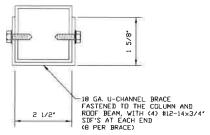
BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 9'-0' < T□ < 13'-0" 1G

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HEIGHTS < 9'-0" 1H SCALE: NTS



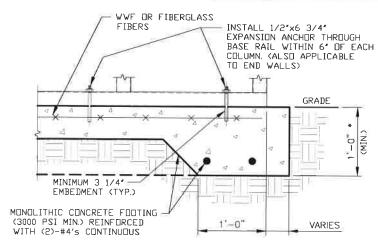
BRACE SECTION
SCALE: NTS

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CLIENT, EAGLE CARRENTS	SHT. 76	DVG. ND. SK-3		REV. 6
PROJECT MGR: VSM	DATE: 2-9-18	SCALE: NTS	.03	ND 161665/180125
CHECKED BY: PDH		IOUNT AIRY, NO 0" SP ENCLOSEI		
DRAWN BY: AT		EAGLE CARPO 210 AIRPORT RO		

BASE RAIL ANCHORAGE OPTIONS





CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

MINIMUM ANCHOR EDGE DISTANCE IS 4"

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

GENERAL NOTES

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 WFATHER, 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.

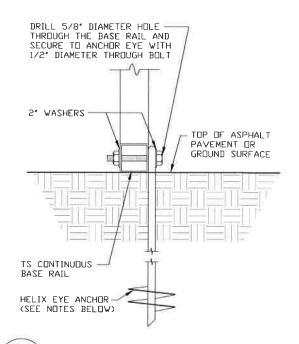
REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

- 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:

- I. 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.
- 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
- FOR LODGE 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.

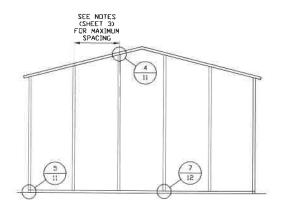


GROUND BASE HELIX ANCHORAGE SCALE: NTS (CAN BE USED FOR ASPHALT)

JUB ND 161665/190125

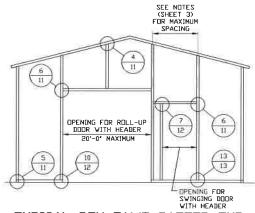
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ENGINEERING AND CONSULTING, INC.	CHECKED BY: PDH		10UNT AIRY, NO -0" SP ENCLOSEI		
MOORE AND ASSOCIATES	DRAVN BY: AT		EAGLE CARPO 210 AIRPORT RO		

BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS



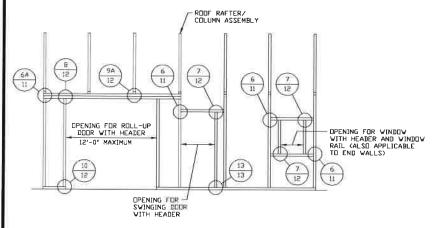
TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION

SCALE: NTS



TYPICAL BOX EAVE RAFTER END WALL OPENINGS FRAMING SECTION

SCALE: NTS



TYPICAL BOX EAVE RAFTER SIDE WALL OPENINGS FRAMING SECTION

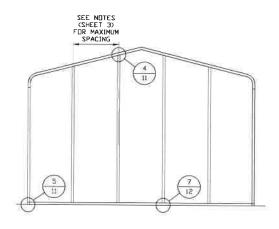
SCALE: NTS

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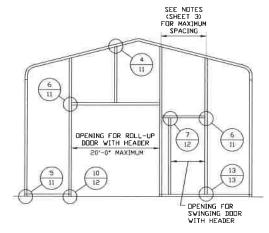
CLIENT: EAGLE CARPURTS	SHT. 9	DVG. ND SK-3		REV. 6		
PROJECT MGR VSM	DATE: 2-9-18	SCALE: NTS	JCIB	ND 161665/180125		
CHECKED BY: PDH		OUNT AIRY, NO -0" SP ENCLOSEI				
DRAWN BY: AT	EAGLE CARPORTS 210 AIRPORT ROAD					

BOW RAFTER END WALL AND SIDE WALL OPENINGS



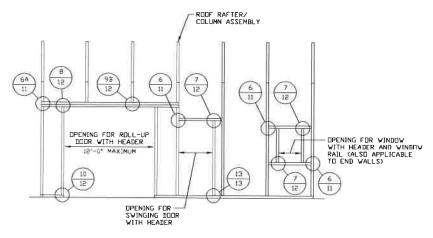
TYPICAL BOW RAFTER END WALL FRAMING SECTION

SCALE: NTS



TYPICAL BOW RAFTER END WALL OPENINGS FRAMING SECTION

SCALE: NTS



TYPICAL BOW RAFTER SIDE WALL OPENINGS FRAMING SECTION

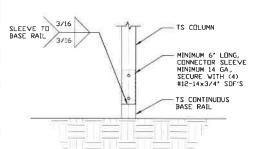
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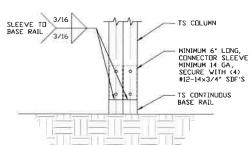
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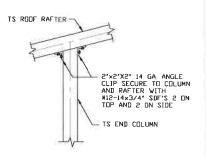
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	CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE					
-	PROJECT NGR: VSH	DATE: 2-9-18	SCALE: NTS	JOB	ND 16166S/18012S		
	CLIENT: EAGLE CARPORTS	SHT. 10	DVG. ND SK-3		REV. 6		

CONNECTION DETAILS



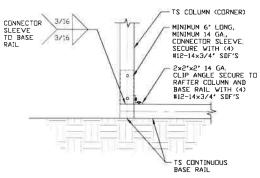


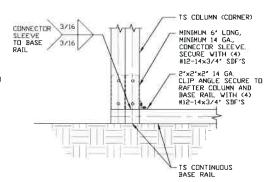


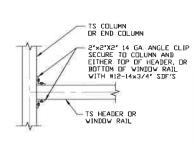
RAFTER COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS

RAFTER COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS

4 CONNECTION DETAIL
SCALE: NTS







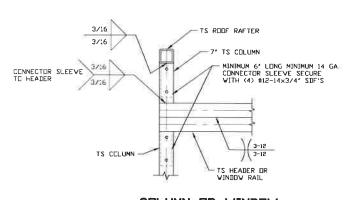
5 END COLUMN/BASE RAIL CONNECTION DETAIL

SCALE: NTS

5A CONNECTION DETAIL

SCALE: NTS

6 COLUMN OR WINDOW RAIL TO POST CONNECTION DETAIL SCALE NTS



COLUMN OR WINDOW RAIL TO POST CONNECTION DETAIL

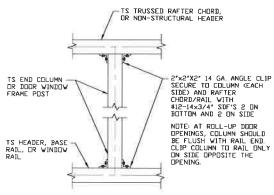
SCALE: NTS

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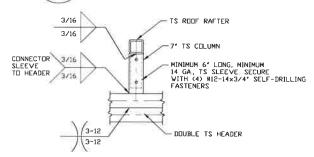
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			ANY INFRINGERED	IT THEREUPON MAY
BE SUBJECT T	TO LEGAL ACTIO	N.		

		EAGLE CARPORTS				
H	DRAWN BY: AT	210 AIRPORT ROAD				
		l N	27030			
	CHECKED BY: PDH	30-0"x20'-0" SP ENCLOSED STRUCTUI				
	PROJECT MGR VSM	DATE: 2-9-18	SCALE: NTS	JUB ND 16166S/180125		
			DAC NO 2K-3	DD4. 4		
	CLIENT, FACE E CAPPURTS	ып. д	INAG 147 2V_2	REV. 6		

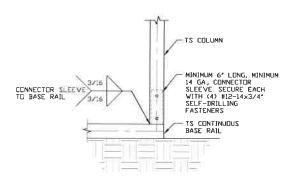
CONNECTION DETAILS



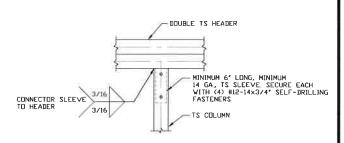
7 COLUMN TO WINDOW RAIL CONNECTION DETAIL SCALE NTS



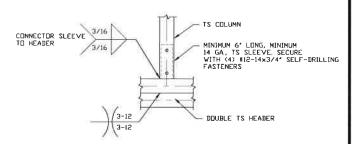
9A COLUMN/DOUBLE HEADER CONNECTION DETAIL SCALE NTS







8 DOUBLE HEADER/COLUMN CONNECTION DETAIL SCALE: NTS



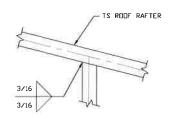
9B COLUMN/DOUBLE HEADER CONNECTION DETAIL
SCALE: NTS

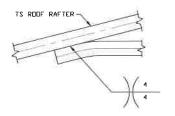
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			EAGLE CARPO		
- 8	DRAWN BY: AT		210 AIRPORT RO	DAD)
		M	IOUNT AIRY, NO	270	30
	CHECKED BY: PDH	30-0"x20'-	0" SP ENCLOSEI	DST	RUCTURE
-	PROJECT MGR: WSM	DATE: 2-9-18	SCALE: NTS	.m	ND 16166S/18012S
	CLIENTI FAGLE CARPORTS	ISHT. 12	DWG. NO SK-3		REV. 6

CONNECTION DETAILS



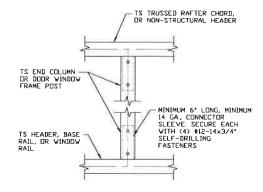


(11

RAFTER TO CHORD CONNECTION DETAIL

SCALE: NTS

12 CONNECTION DETAIL
SCALE: NTS



13

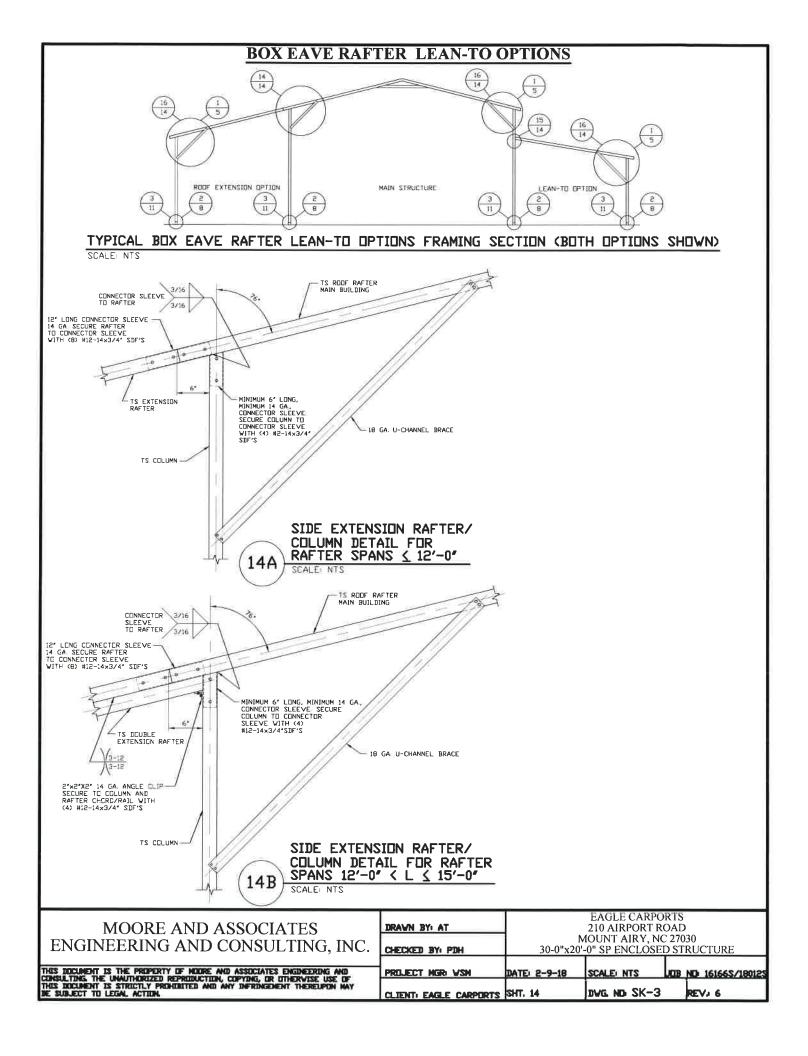
COLUMN TO HEADER OR BASE RAIL CONNECTION DETAIL

SCALE: NTS

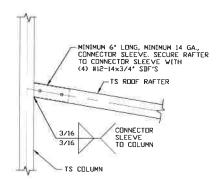
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-	CLIENT, FACE E CADONOTS	SHT. 13	DVG ND SK-3		REV. 6		
\dashv	PROJECT MGR VSM	DATE: 2-9-18	SCALE: NTS	JOB	ND 161662\180152		
	CHECKED BY: PDH		IOUNT AIRY, NO 0" SP ENCLOSEI				
	DRAWN BY: AT	EAGLE CARPORTS 210 AIRPORT ROAD					



BOX EAVE RAFTER LEAN-TO OPTIONS



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

2'x2'x2' 14 GA ANGLE CLIP SECURE
TO COLUMN AND RAFTER CHORD/RAIL
VITH (4) #12-14x3/4' SDF'S

TS DOUBLE ROOF RAFTER

15 DOUBLE ROOF RAFTER

TS COLUMN

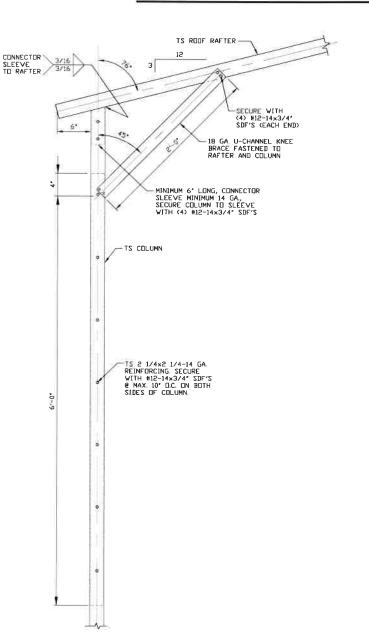
LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS 12'-0' < L < 15'-0' SCALE: NTS

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CLIENT, FAG E CARROTTS	SHT. 14A	DVG. ND. SK-3		REV. 6			
PROJECT NGR: VSM	DATE: 2-9-18	SCALE: NTS	JOB .	ND 161665/180125			
CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE						
DRAWN BY: AT	EAGLE CARPORTS 210 AIRPORT ROAD						

BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE B



18 GA U-CHANNEL BRACE FASTENED TO THE COLLUMN AND ROOF BEAM, WITH (4) HI2-14/3/4' SDF'S AT EACH END (9 PER BRACE)

BRACE SECTION

SCALE: NTS

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

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

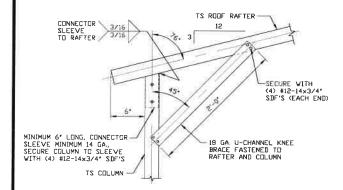
16A

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•	PROJECT MGR VSM	30-0"x20'-0" SP ENCLO DATE 2-9-18 SCALE NTS		JUB ND 161665/18	
٠,	DRAVN BY: AT			AD 27030	

BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE B



18 GA. U-CHANNEL BRACE
FASTENED TO THE COLUMN AND
RODF BEAM, VITH (4) #12-14x3/4'
SDF'S AT EACH END
(8 PER BRACE)

BRACE SECTION

SCALE: NTS

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

SCALE: NTS

16B

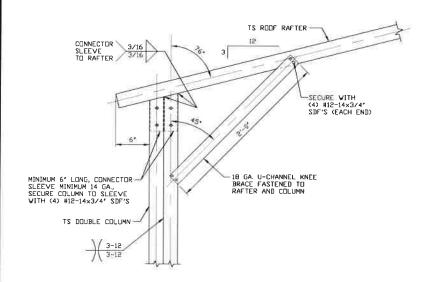
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING.)

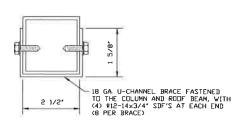
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	CLIENT: EAGLE CARPORTS	SHT. 14C	REV. 6				
	PROJECT MGR: VSN	DATE: 2-9-18	SCALE: NTS	, IIB	ND 161665/190125		
.	CHECKED BY: PDH		RUCTURE				
- 1		1 .	270				
	DRAWN BY: AT		210 AIRPORT RO	T ROAD			
		EAGLE CARPORTS					

BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE C





BRACE SECTION SCALE: NTS

16C

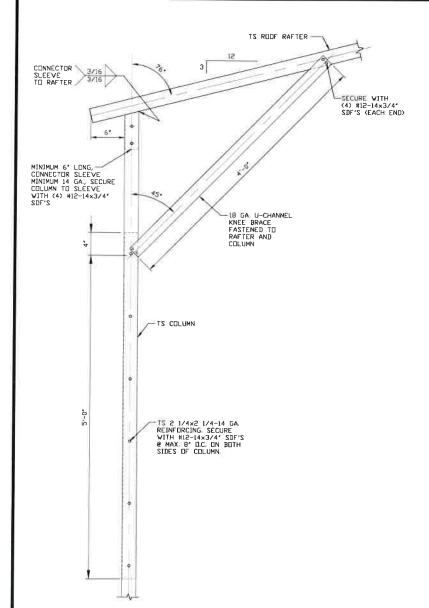
BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 18'-0" < TO < 20'-0"

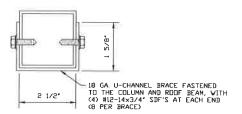
SCALE: NTS HORSE BARN OPTION REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING.

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MOORE AND ASSOCIATES	DRAWN BY: AT	ļ
ENGINEERING AND CONSULTING, INC.	CHECKED BY: PDH	
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THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.	CLIENT: EAGLE CARPURTS	SHT. 14:

DRAVN BY: AT CHECKED BY: PDH	EAGLE CARPORTS 210 AIRPORT ROAD MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE						
	DATE: 2-9-18 SCALE: NTS JOB NO 161665/1						

BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE C





BRACE SECTION
SCALE: NTS

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 13'-0" < TO & 18'-0" 16D

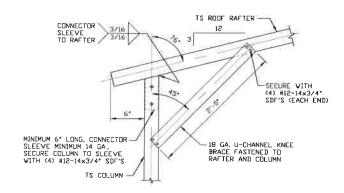
SCALE: NTS HORSE BARN OPTION REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING.

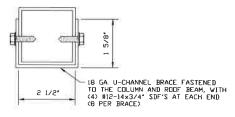
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	CI TENTI FAGI E CAPPORTS	SHT, 14E	DAC ND 2K-3	REV. 6		
	PROJECT MGR VSM	DATE: 2-9-18	SCALE: NTS	JUB ND 16166\$/19012\$		
1.	CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE				
	DRAWN BY: AT	EAGLE CARPORTS 210 AIRPORT ROAD				

BOX EAVE RAFTER LEAN-TO OPTION - EXPOSURE C





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

SCALE: NTS

16E

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

BRACE SECTION

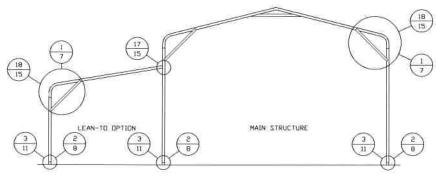
SCALE: NTS

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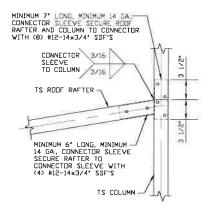
CHECKED BY: PDH	30-0"x20'-	OUNT AIRY, NO -0" SP ENCLOSEI	STRUCTURE
PROJECT MGR VSM CLIENT: EAGLE CARPORTS		DVG. ND SK-3	ND 161665/190125

BOW EAVE RAFTER LEAN-TO OPTION



TYPICAL BOW RAFTER LEAN-TO OPTION FRAMING SECTION

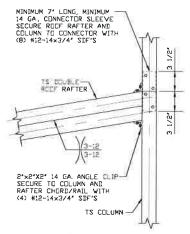
SCALE: NTS



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

SCALE: NTS

17A



LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER

SPANS 12'-0" < L < 15'-0"

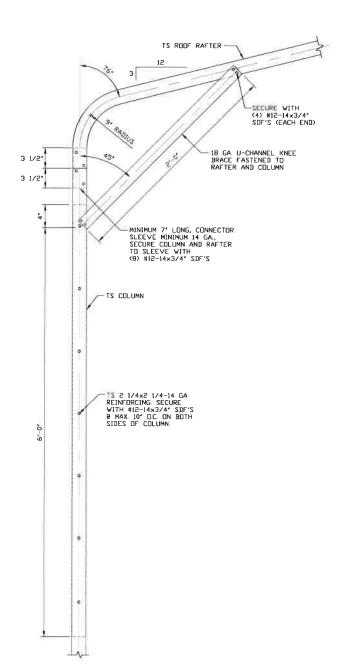
17B) SCALE NTS

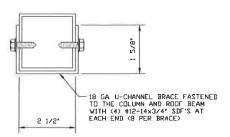
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DE SUBJECT TO LEGAL ACTION

ND 161665/190125
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S

BOW EAVE RAFTER LEAN-TO OPTION - EXPOSURE B





BRACE SECTION

SCALE: NTS

BOW 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.

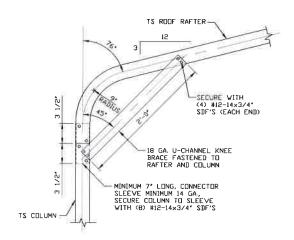
18A

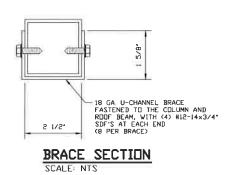
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PROJECT MGR WSM DATE: 2-9-18 SCALE: NTS JOB NO. 1616	
MOUNT AIRY, NC 27030 30-0"x20"-0" SP ENCLOSED STRUCTU	RE
EAGLE CARPORTS 210 AIRPORT ROAD	

BOW EAVE RAFTER LEAN-TO OPTION - EXPOSURE B





BOW EAVE RAFTER COLUMN CONNECTION
DETAIL FOR HEIGHTS

14'-0"

18B) DE

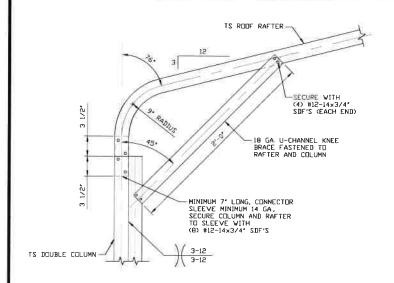
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING.)

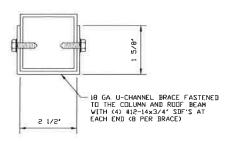
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	CI TENT. FAG E CARRIETS	SHT. 15B	DWG. ND: SK-3		REV. 6	
	PROJECT MGR: VSM	DATE: 2-9-18	SCALE: NTS	TUB.	ND 161665/180125	
ě	CHECKED BY: PDH	30-0"x20'-0" SP ENCLOSED STRUCTURE				
- 11		MOUNT AIRY, NC 27030				
	DRAWN BY: AT	210 AIRPORT ROAD				
			EAGLE CARPO	RTS		

BOW EAVE RAFTER LEAN-TO OPTION - EXPOSURE C





BRACE SECTION SCALE: NTS

18C

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

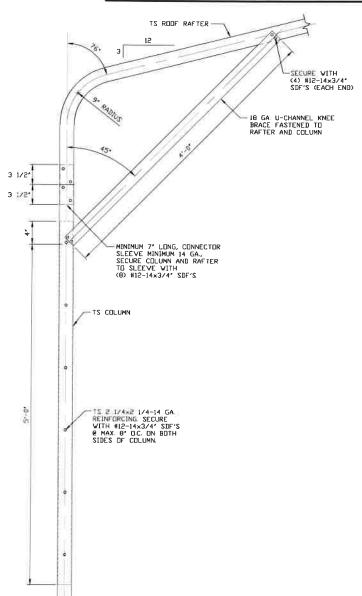
SCALE: NTS HORSE BARN OPTION REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING.

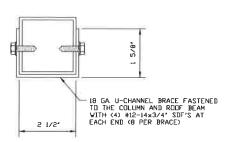
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CLIENT: EAGLE CARPORTS	SHT. 15C	DAC NO 2K-3		REV. 6	
PROJECT MGR VSM	DATE: 2-9-18	SCALE: NTS	JOB .	ND 16164	55/180125
			\Box		
CHECKED BY: PDH	30-0"x20'-0" SP ENCLOSED STRUCTURE				
	MOUNT AIRY, NC 27030				
DRAWN BY: AT	210 AIRPORT ROAD				
	EAGLE CARPORTS				

BOW EAVE RAFTER LEAN-TO OPTION - EXPOSURE C





BRACE SECTION SCALE: NTS

BOW 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.

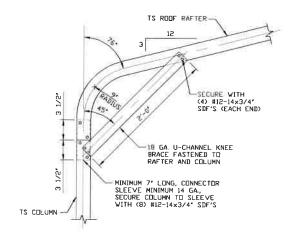
18D

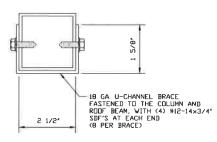
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CLIENT, EAGLE CARROTTE	SHT. 150	TIVE ND SK-3		REV. 6	
PROJECT NGR VSM	DATE: 2-9-18	SCALE: NTS	JOB	ND 16166\$/18012\$	
			<u> </u>	ito o i o i d	
CHECKED BY: PDH		RUCTURE			
DRAWN BIT AT	EAGLE CARPORTS 210 AIRPORT ROAD MOUNT AIRY, NC 27030				
DRAWN BY: AT					
		EAGLE CARPO	RTS		

BOW EAVE RAFTER LEAN-TO OPTION - EXPOSURE C





BRACE SECTION

SCALE: NTS

BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS ≤ 13'-0"

SCALE NTS

18E

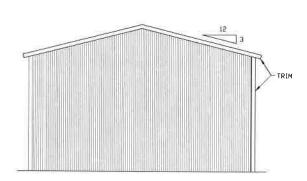
HORSE BARN OPTION (REQUIRES A LEAN-TO ON BOTH SIDES OF THE MAIN BUILDING.)

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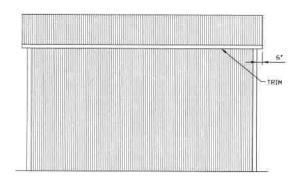
	CLIENT, EAGLE CADDIDES	SHT. 15E	DVG ND SK-3		REV. 6
7	PROJECT MGR: VSM	DATE: 2-9-18	SCALE: NTS	JOB	ND 16166S/18012S
	CHECKED BY: PDH	MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE			
	DRAWN BY: AT		•		

BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



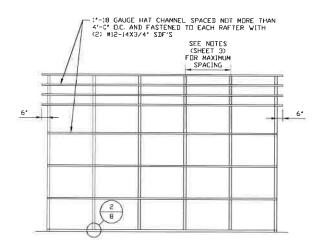
TYPICAL END ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS



TYPICAL SIDE ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS



TYPICAL FRAMING SECTION VERTICAL ROOF/SIDING OPTION

SCALE: NTS

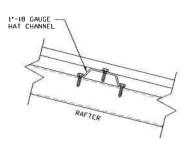
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	29 GA. GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO HAT CHANNELS.		
1'-18 GAUG HAT CHANN			
	3		

TYPICAL SECTION VERTICAL ROOF/SIDING OPTION

SCALE: NTS

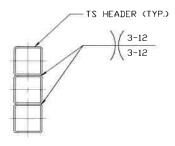


PANEL ATTACHMENT

(ALTERNATE FOR VERTICAL ROOF PANELS) SCALE: NTS

	AVN BY: AT	EAGLE CARPORTS 210 AIRPORT ROAD MOUNT AIRY, NC 27030 30-0"x20'-0" SP ENCLOSED STRUCTURE			
PR	DUECT MGR VSH	DATE: 2-9-18	SCALE: NTS	JUB	ND 161665/180125
la.	IENT: EAGLE CARPORTS	SHT. 16	DAC NO 2K-3		REV. 6

HEADER OPTION



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

SCALE: NTS

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_	PROJECT MGR VSN	DATE: 2-9-18	SCALE: NTS	JOB	ND 161665/180125
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