

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 2018 NORTH CAROLINA BUILDING CODE (NCBC), 2018 IBC, 2015 IBC, 2012 IBC, 2009 IBC, AND 2006 IBC.
3. DESIGN LOADS ARE AS FOLLOWS:
 - A) DEAD LOAD = 1.5 PSF
 - B) LIVE LOAD = 12 PSF
 - C) GROUND SNOW LOAD = 35 PSF (UNBALANCED SNOW LOAD DUE TO DRIFTING HAS NOT BEEN EVALUATED).
4. ULTIMATE WIND SPEED 105 TO 145 MPH (NOMINAL WIND SPEED 81 TO 112 MPH); MAXIMUM RAFTER/POST AND END COLUMN SPACING = 5.0 FEET.
5. END WALL COLUMNS (POST) ARE EQUIVALENT IN SIZE AND SPACING TO SIDE WALL POSTS (UNLESS NOTED OTHERWISE).
6. RISK CATEGORY I.
7. WIND EXPOSURE CATEGORY B.
8. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2"x2 1/2"-14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS (UNLESS NOTED OTHERWISE). WHERE TS 2 1/2" x 2 1/2" - 14 GAUGE IS SPECIFIED, TS 2 1/4" x 2 1/4" - 12 GAUGE MAY BE USED AS AN OPTION.
9. AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR HAT CHANNELS, AND COLUMNS (INTERIOR OR END) = 10" O.C. (MAX.)
10. 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. REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY. ROOFING WITH SLOPES LESS THAN 3:12 MUST BE LAP SEALANT.
11. ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH RAFTER COLUMN ALONG SIDES.
12. GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBAR W/ WELDED NUT x 36" LONG AND MAY ONLY BE USED IN SUITABLE SOILS. HELIX ANCHORS, SEE DETAIL 2B, MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS AS NOTED.
13. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:
 - SOIL SITE CLASS = D
 - RISK CATEGORY I
 - R = 3.25 I_E = 1.0
 - S_{DS} = 2.039 V = C_sW
 - S_{DI} = 1.258

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DRAWN BY: AT

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: TNT

TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20

SCALE: NTS

JOB NO: P01265

SHT. 3

DWG. NO: SK-3

REV: 0

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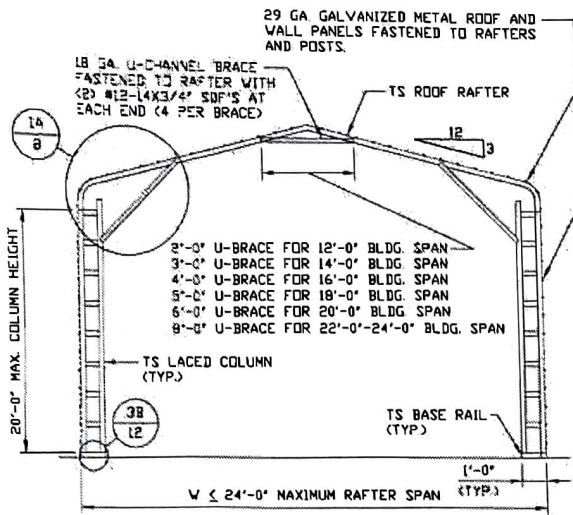
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DWG. NO SK-3

JOB NO: 201265

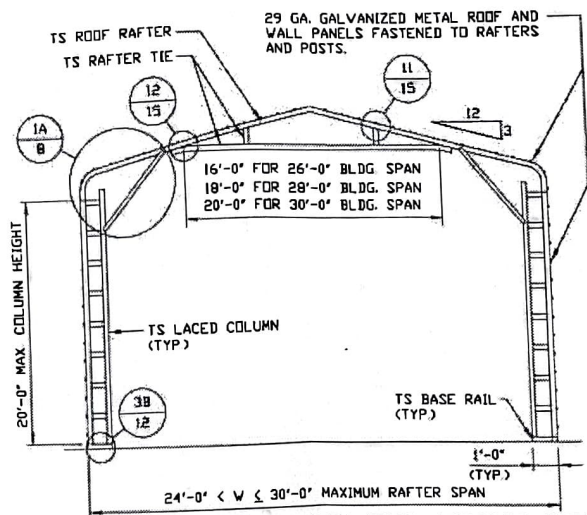
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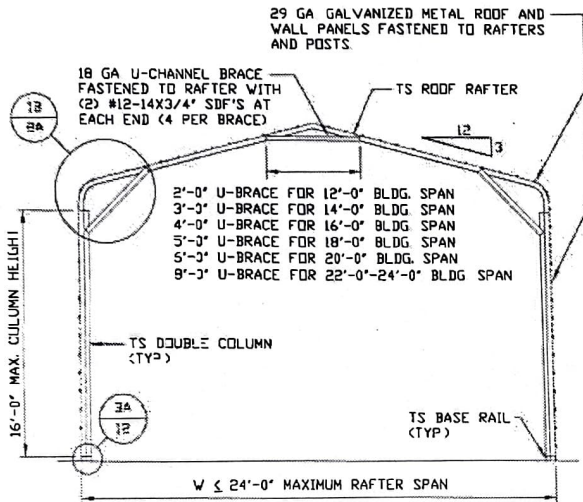
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SCALE: NTS



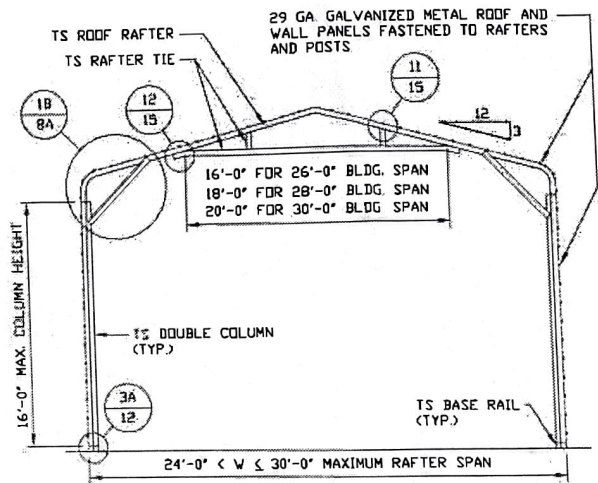
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SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION

SCALE: NTS

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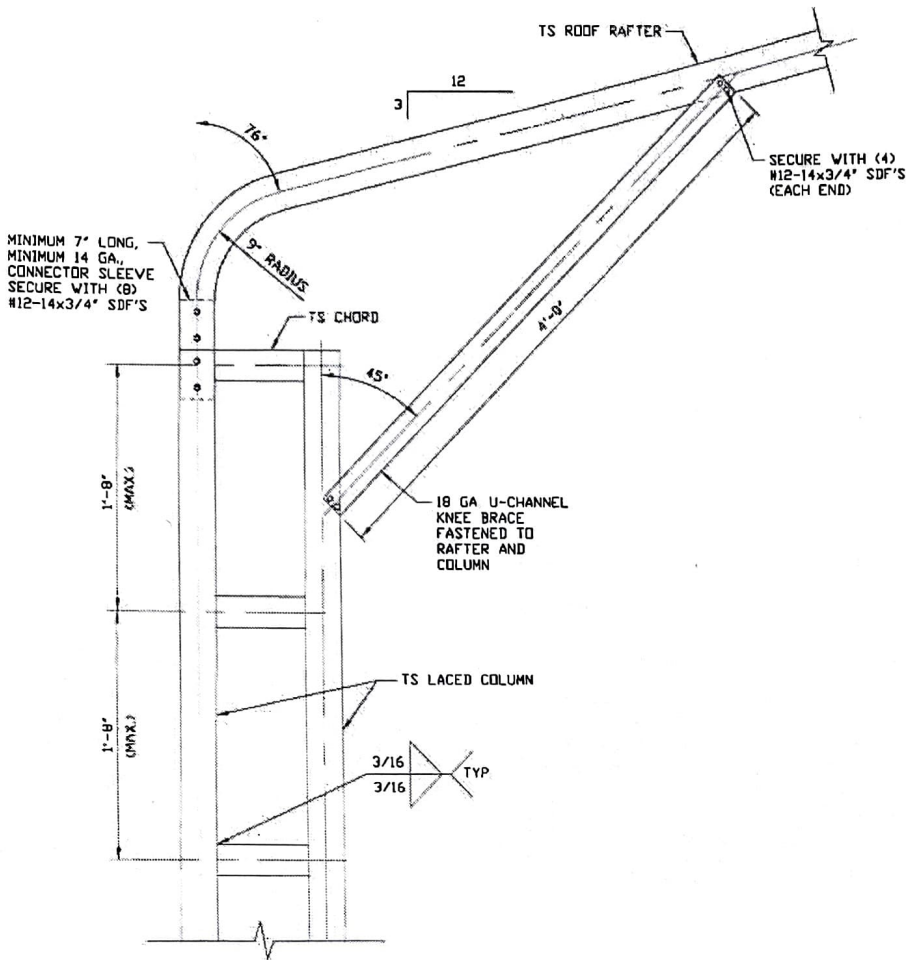
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JOB NO: 201265

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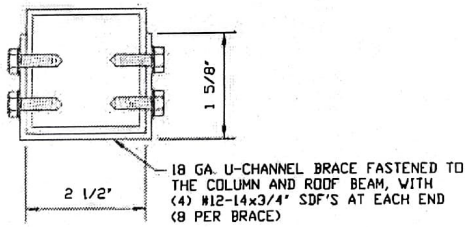
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**BOW EAVE RAFTER COLUMN CONNECTION
DETAIL FOR HEIGHTS 16'-0" < TO ≤ 20'-0"**

1A

SCALE: NTS



BRACE SECTION

SCALE: NTS

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DATE: 6-23-20

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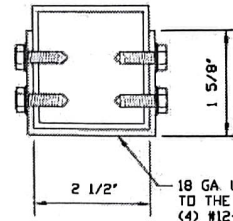
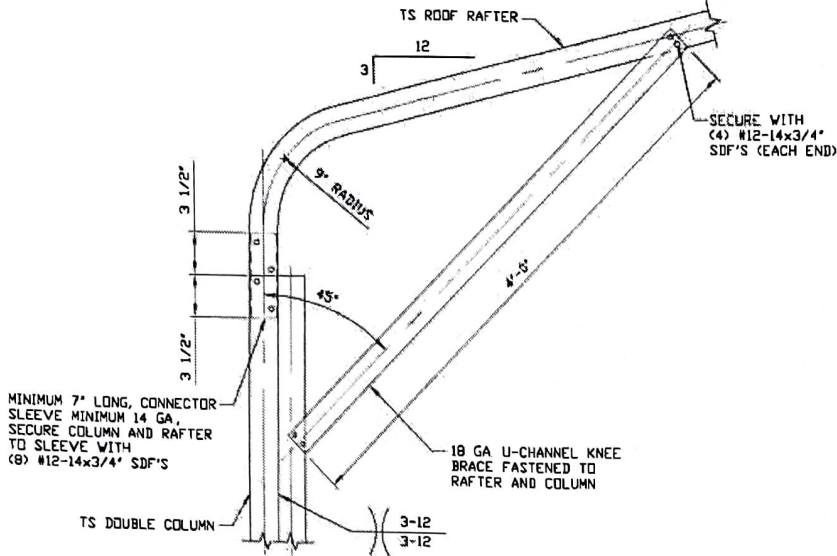
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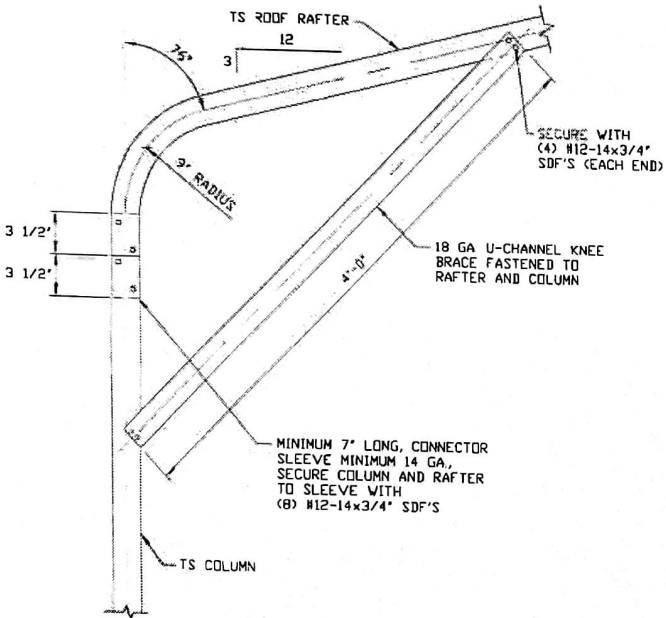
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BRACE SECTION
SCALE: NTS

BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 12'-0" < TO ≤ 16'-0"
SCALE: NTS

1B



BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS ≤ 12'-0"
SCALE: NTS

1C

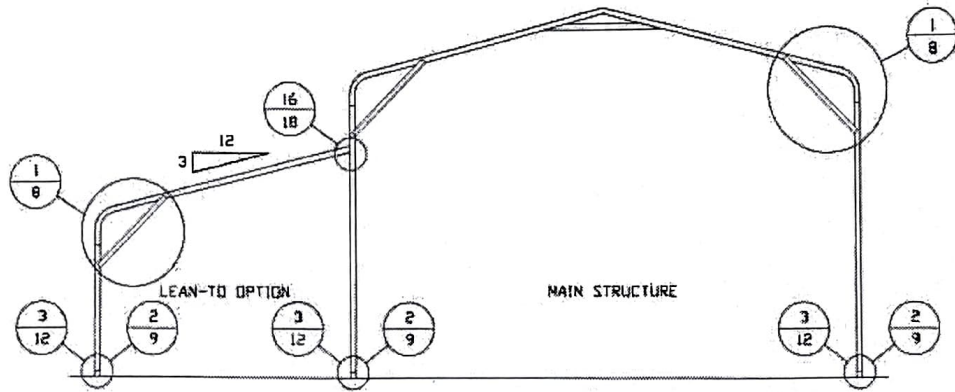
NOTE: 2'-0" KNEE BRACE MAY BE USED FOR BUILDING WIDTHS < 24'-0".

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DATE: 6-23-20 SHT. BA	SCALE: NTS JOB NO: 20126S DWG NO: SK-3 REV: 0

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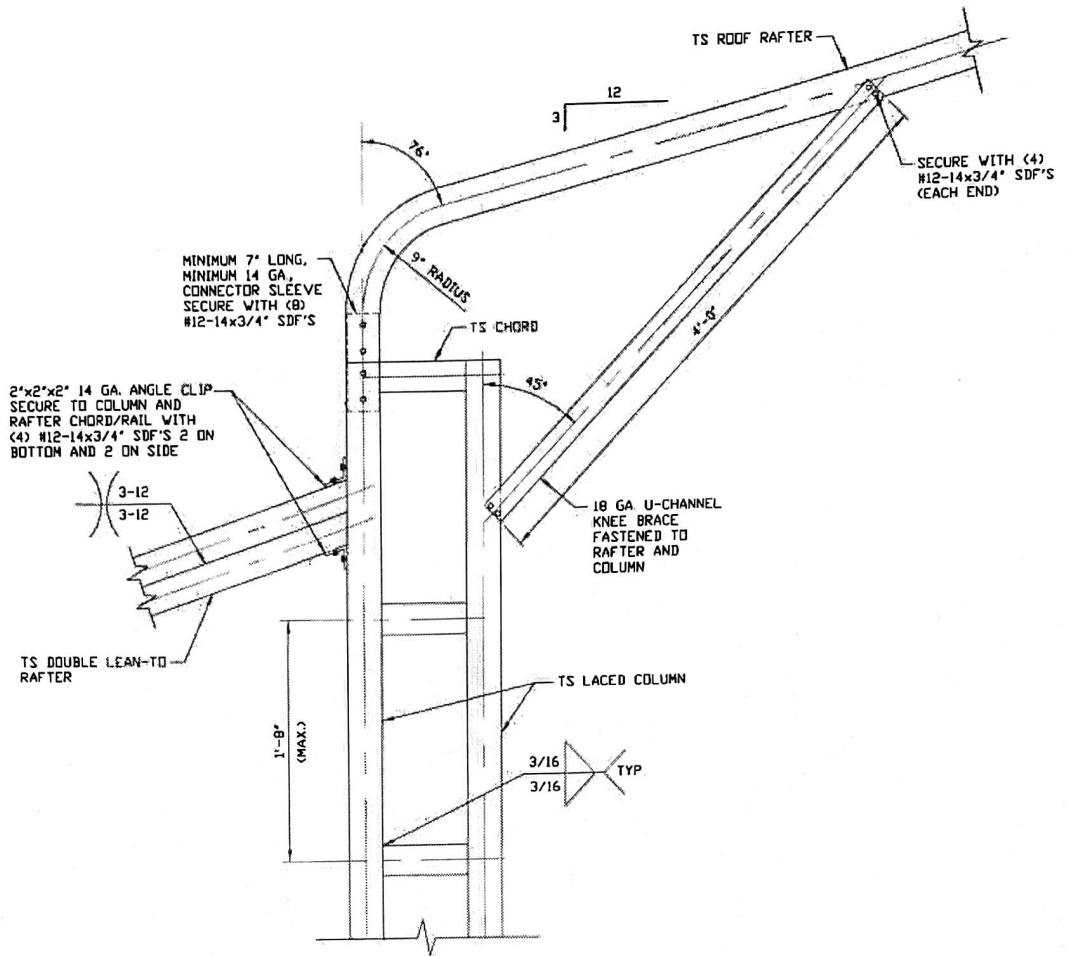
BOW EAVE RAFTER LEAN-TO OPTION



TYPICAL BOW RAFTER LEAN-TO OPTION FRAMING SECTION

SCALE: NTS

BOW EAVE RAFTER LEAN-TO OPTIONS FOR RAFTER SPANS 12'-0" < TO ≤ 16'-0"



**SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS 16'-0" < TO ≤ 20'-0"**

16D

SCALE: NTS

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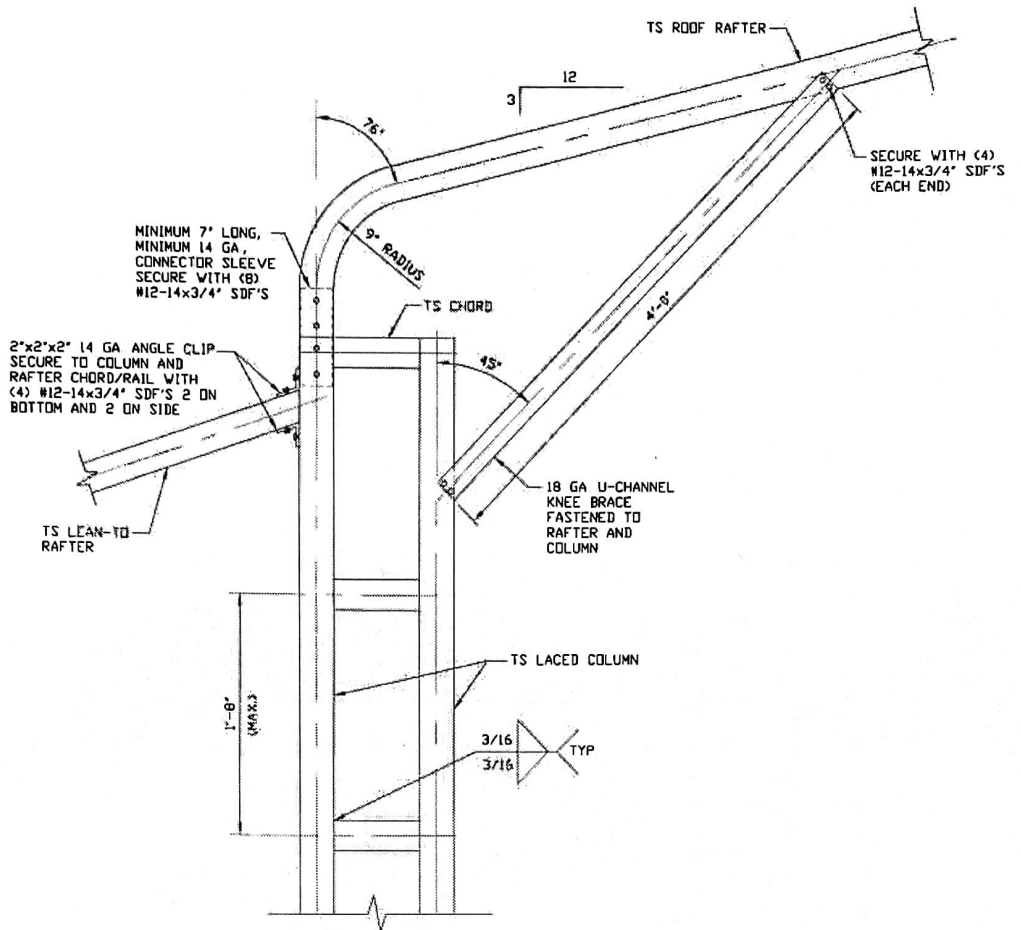
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DATE: 6-23-20 **SCALE: NTS** **IDB NO: 20126S**
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BOW EAVE RAFTER LEAN-TO OPTIONS FOR RAFTER SPANS $\leq 12'-0''$



**SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS 16'-0" < TO ≤ 20'-0"**

16A

SCALE: NTS

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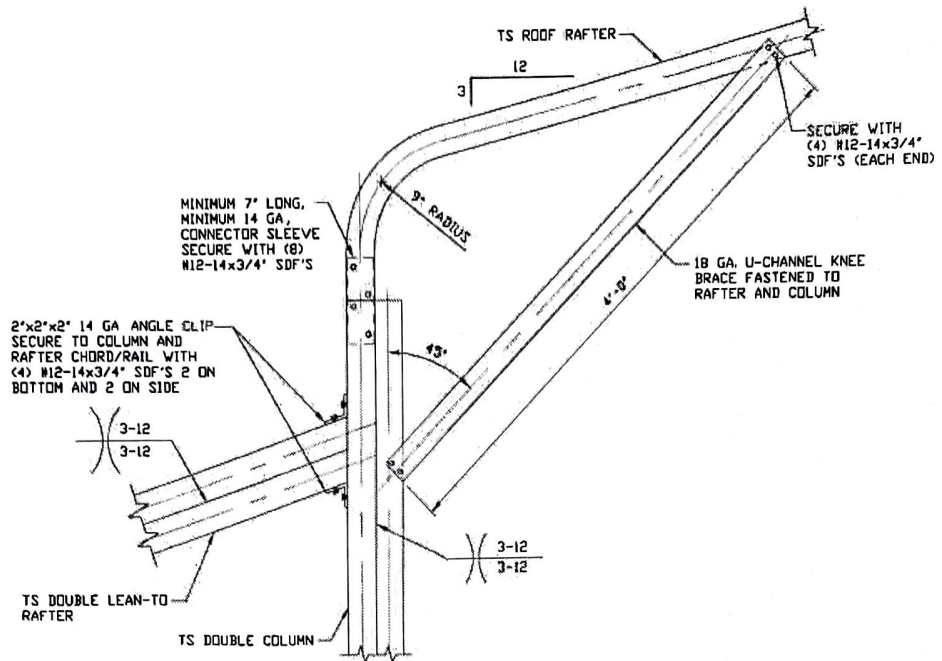
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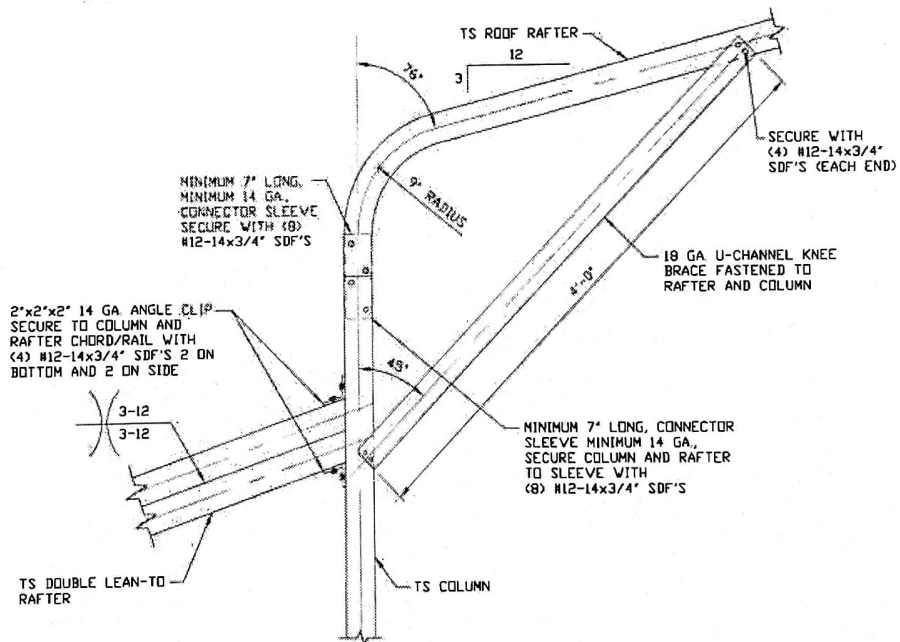
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BOW EAVE RAFTER LEAN-TO OPTIONS FOR RAFTER SPANS 12'-0" < TO ≤ 16'-0"



16E

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



16F

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

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

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170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20

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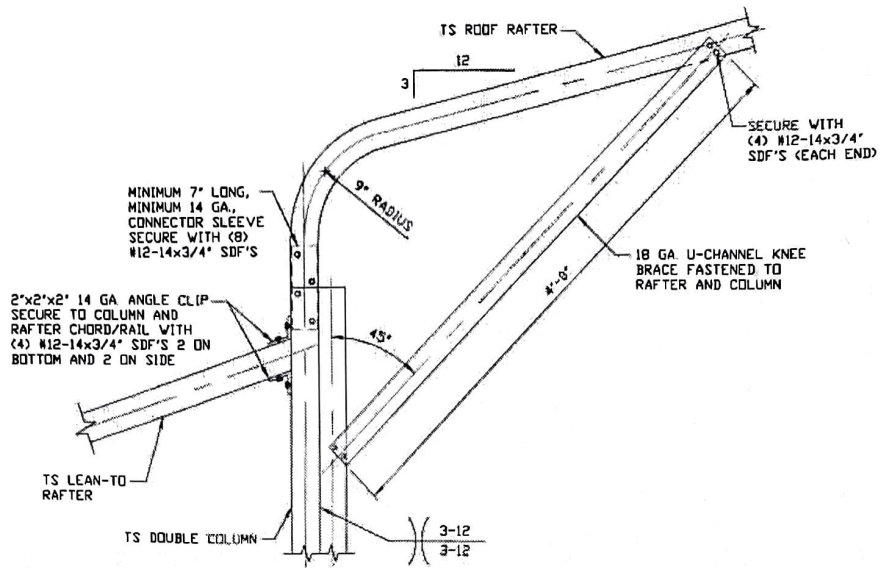
SHT. 18D

DWG NO: SK-3

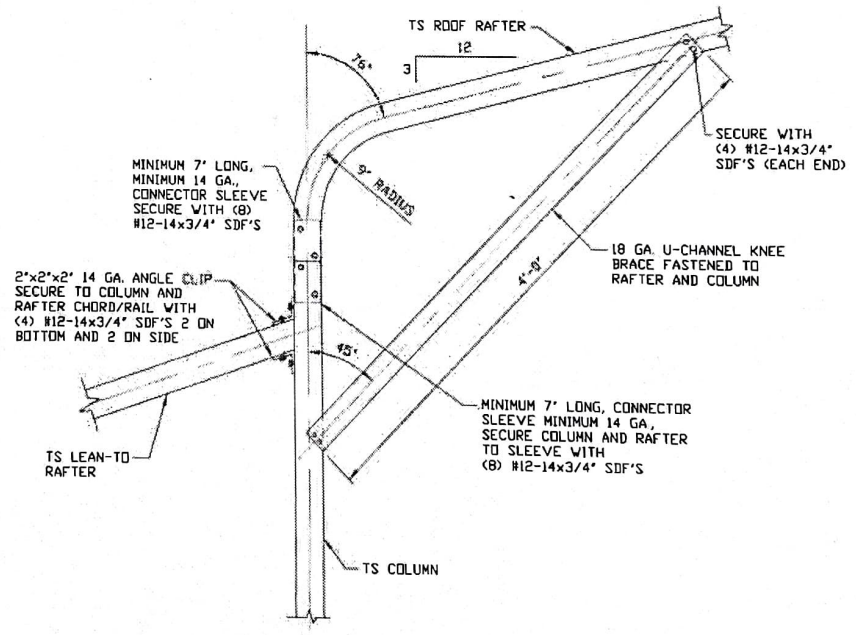
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BOW EAVE RAFTER LEAN-TO OPTIONS FOR RAFTER SPANS $\leq 12'-0''$



16B SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS $12'-0'' < TO < 16'-0''$
SCALE: NTS



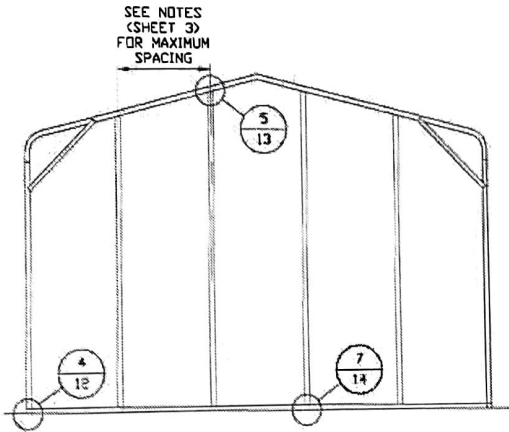
16C SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS $< 12'-0''$
SCALE: NTS
NOTE: 2'-0" KNEE BRACE MAY BE USED
FOR BUILDING WIDTHS $< 24'-0''$.

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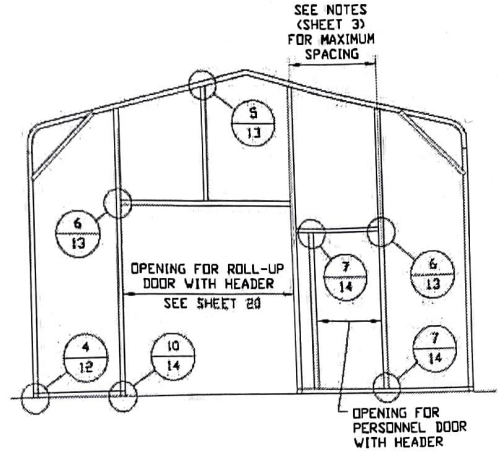
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BOW RAFTER END WALL AND SIDE WALL OPENINGS



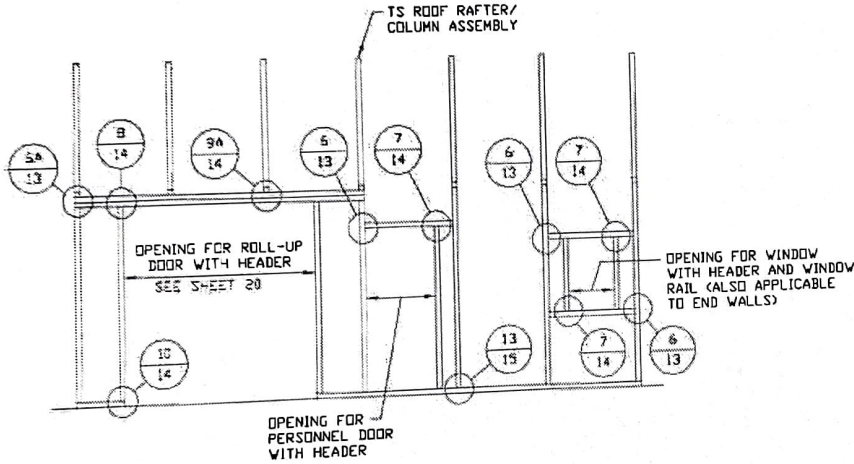
**TYPICAL BOW RAFTER
END WALL FRAMING SECTION**

SCALE: NTS



**TYPICAL BOW RAFTER END
WALL OPENINGS FRAMING SECTION**

SCALE: NTS



**TYPICAL BOW RAFTER SIDE
WALL OPENINGS FRAMING SECTION**

SCALE: NTS

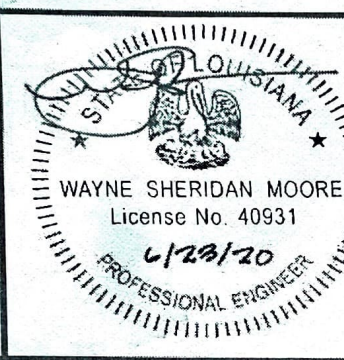
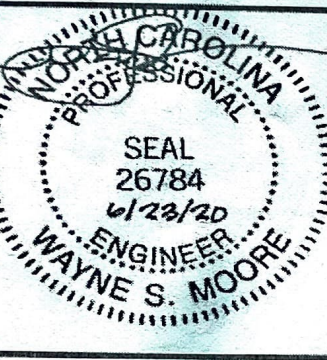
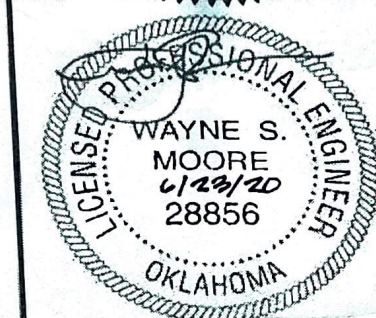
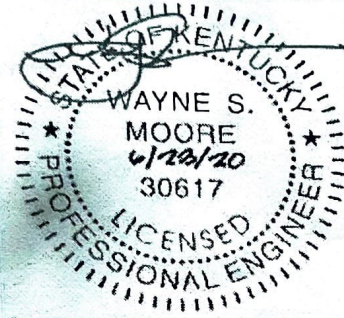
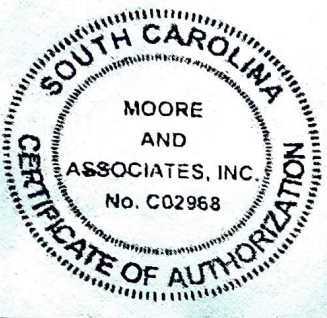
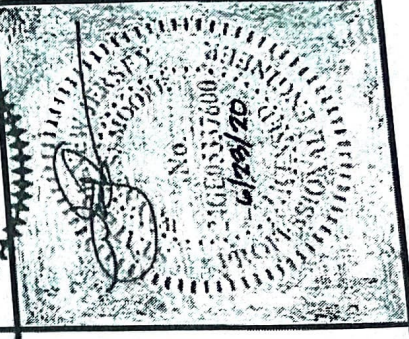
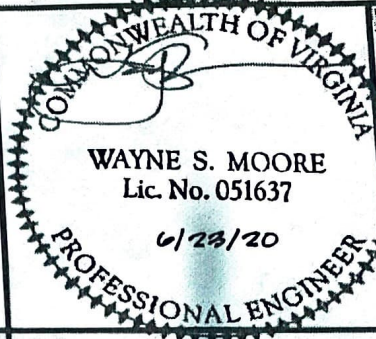
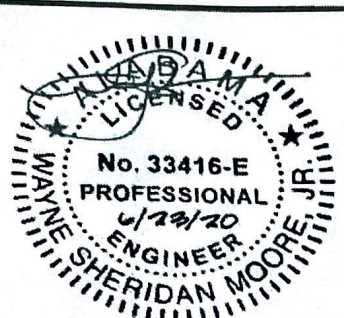
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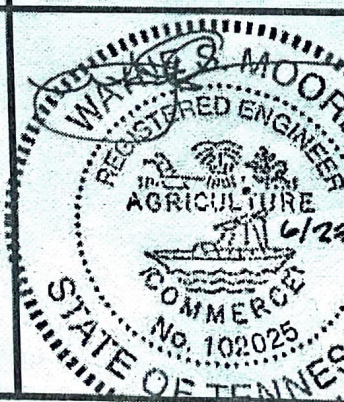
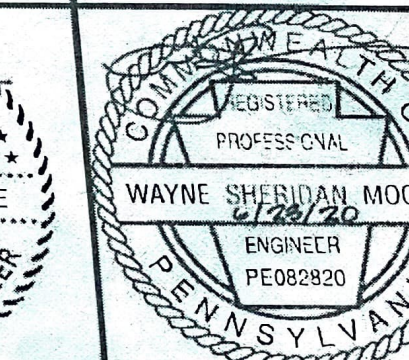
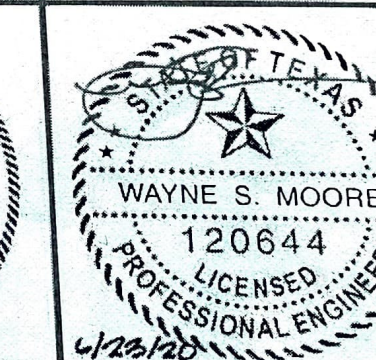
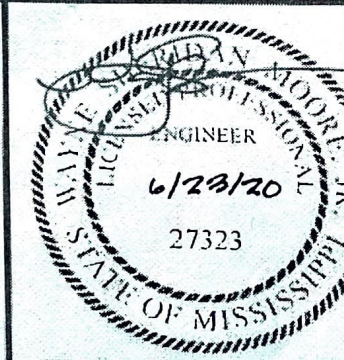
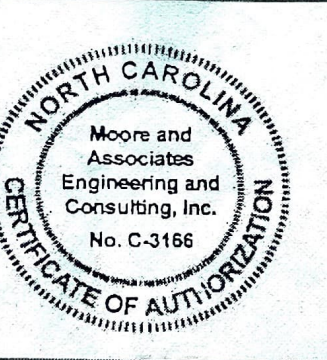
TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20 **SCALE:** NTS **JOB NO:** 201265
SHT.: 11 **DWG. NO:** SK-3 **REV.:** 0

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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.



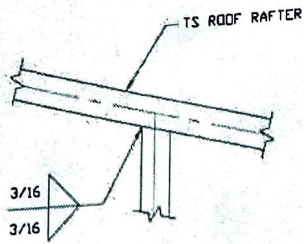
Professional Certification
I hereby certify that these documents were prepared and approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 49744, Expiration Date 6/6/2025

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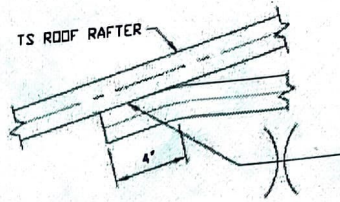
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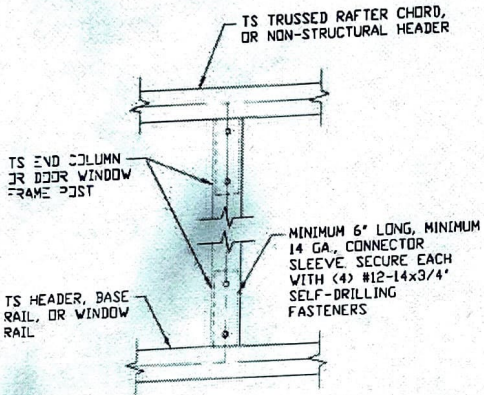
CONNECTION DETAILS



11 RAFTER TO CHORD CONNECTION DETAIL
SCALE: NTS

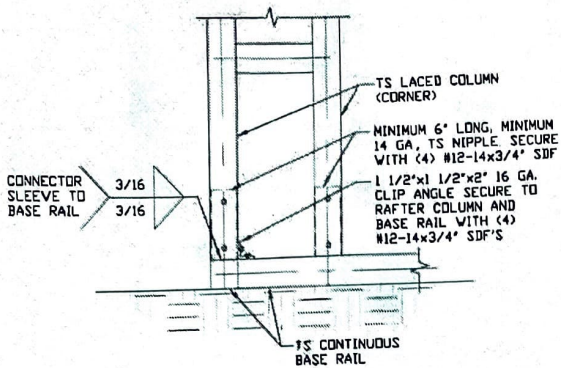


12 COLLAR TIE CONNECTION DETAIL
SCALE: NTS



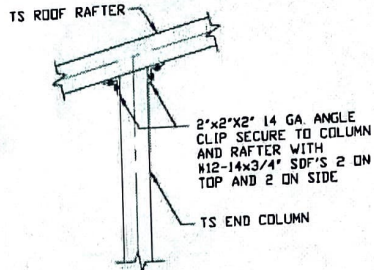
13 COLUMN TO HEADER OR BASE RAIL CONNECTION DETAIL
SCALE: NTS

CONNECTION DETAILS



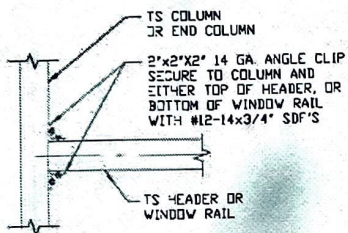
4B END COLUMN/BASE RAIL CONNECTION DETAIL

SCALE: NTS



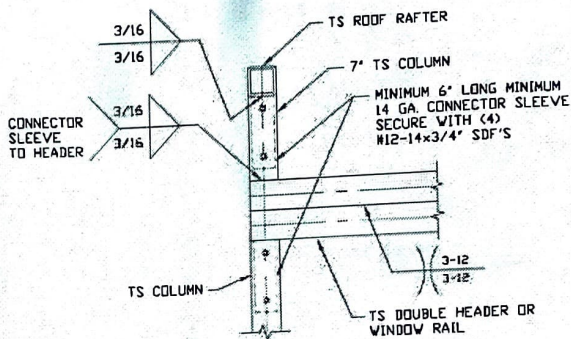
5 END COLUMN/RAFTER CONNECTION DETAIL

SCALE: NTS



6 COLUMN OR WINDOW RAIL/GIRT TO POST CONNECTION DETAIL

SCALE: NTS



6A COLUMN OR WINDOW RAIL TO POST CONNECTION DETAIL

SCALE: NTS

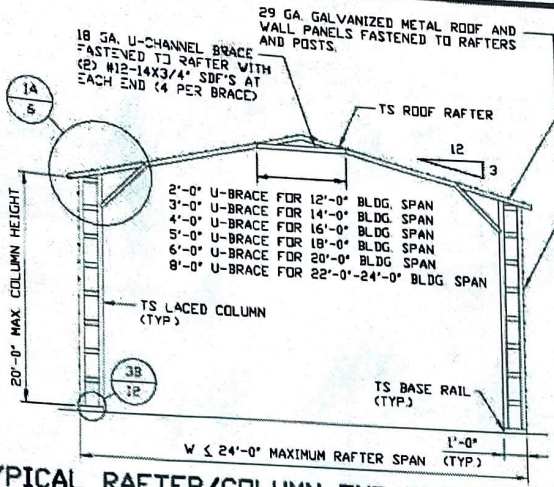
**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: AT
CHECKED BY: PDH
PROJECT MGR: WSH
CLIENT: TNT

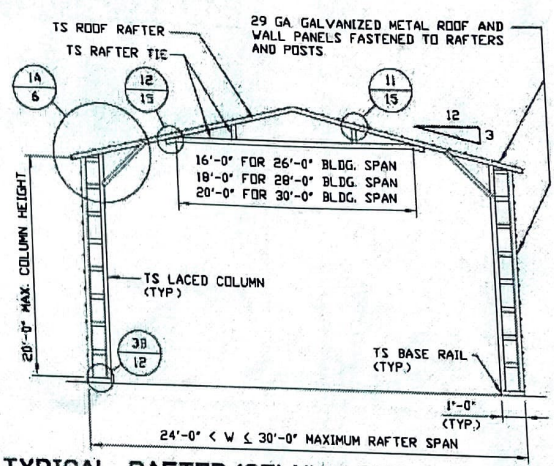
TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20
SCALE: NTS
JOB NO.: 20126
SHT.: 13
JWG. NO.: SK-3
REV.: 0

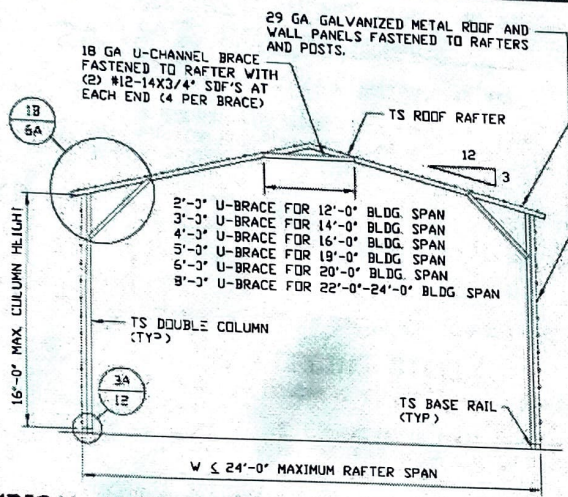
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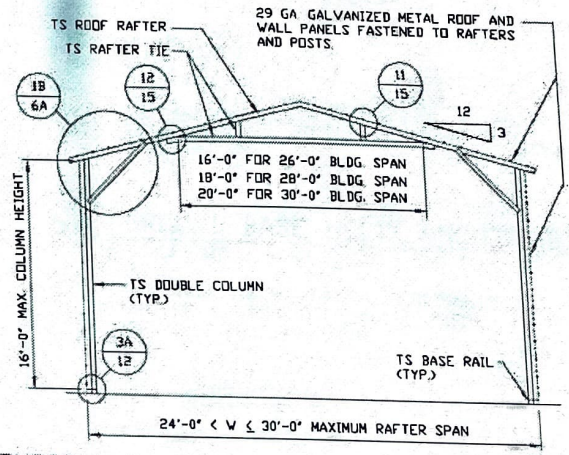
TYPICAL RAFTER/COLUMN END FRAME SECTION
 SCALE: NTS



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
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PROJECT MGR: VSM

CLIENT: TNT

TNT CARPORTS, INC.
 170 HOLLY SPRINGS ROAD
 MOUNT AIRY, NC 27030
 30'-0" x 20'-0" SP ENCLOSED STRUCTURE

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DATE: 6-23-20

SHT. 5

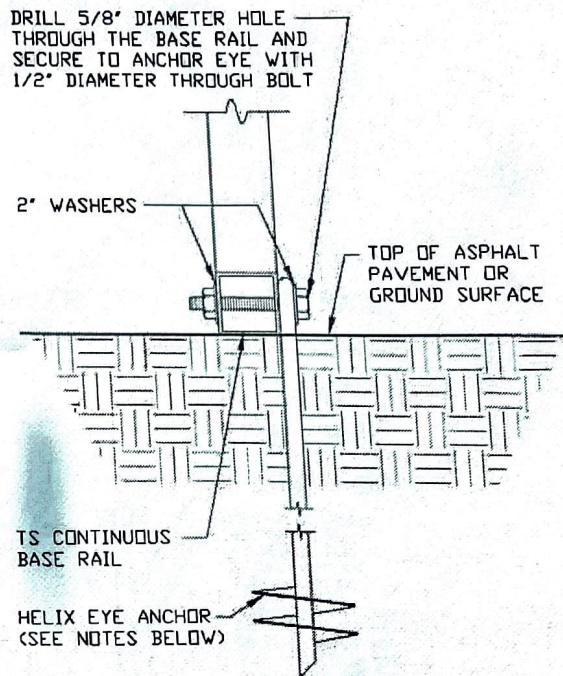
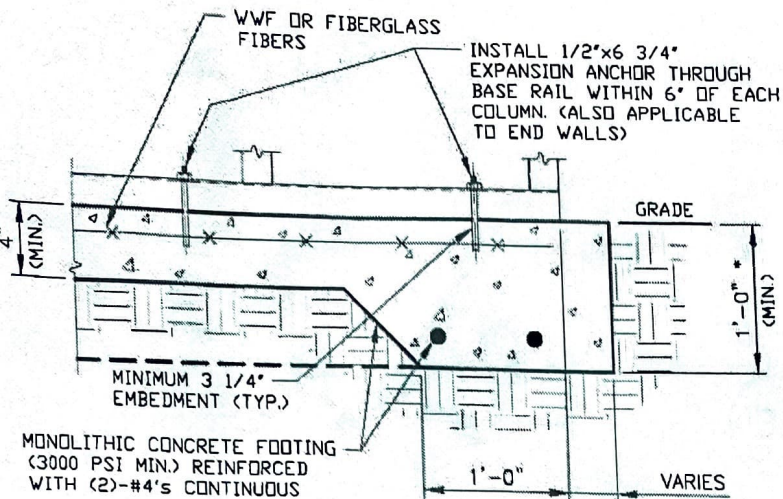
SCALE: NTS

JOB NO: 20126

DRG. NO: SK-3

REV: 0

BASE RAIL ANCHORAGE OPTIONS



2A

CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

SCALE: NTS
MINIMUM ANCHOR EDGE DISTANCE IS 4"

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

2B

GROUND BASE HELIX ANCHORAGE

SCALE: NTS (CAN BE USED FOR ASPHALT)

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

GENERAL NOTES

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

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE
STRENGTH OF 3,000 PSI AT 28 DAYS.

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING
BARS SHALL BE PER ACI-318.

3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND
PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE
EARTH OR WEATHER, AND 1 1/2" ELSEWHERE.

REINFORCING STEEL:

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

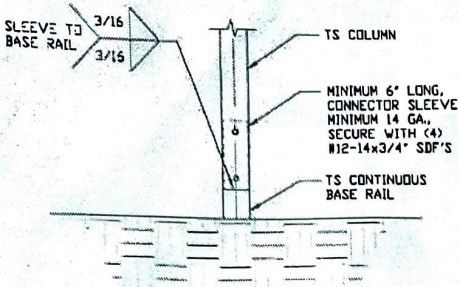
REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

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

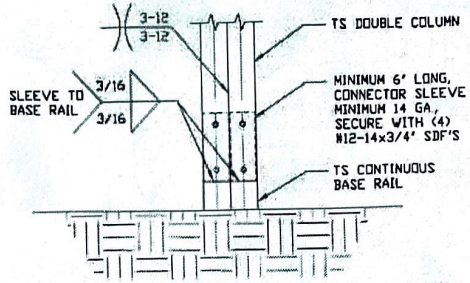
HELIX ANCHOR NOTES:

- 1 FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL
AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, USE
MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR
SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT
- 2 FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM
30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM
50" EMBEDMENT
- 3 FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY
STIFF SILTS, AND CLAYS USE MINIMUM (2) 4" HELICES WITH
MINIMUM 30 INCH EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM
50" EMBEDMENT.
- 4 FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND
SILTS ALLUVIAL FILL, USE MINIMUM (2) 6" HELICES WITH MINIMUM
50" EMBEDMENT
- 5 FOR VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER
CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8" HELICES
WITH MINIMUM 60" EMBEDMENT.

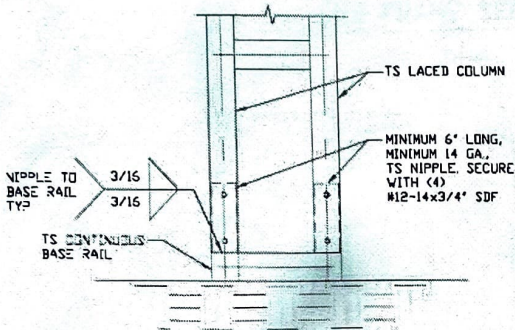
CONNECTION DETAILS



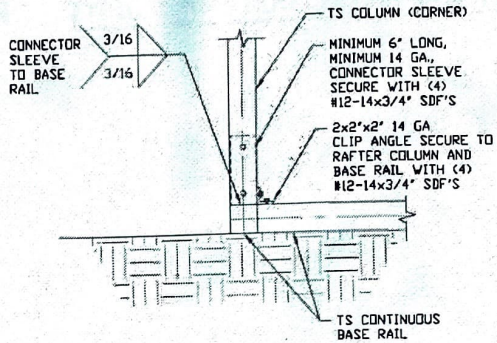
3 RAFTER COLUMN/BASE RAIL CONNECTION DETAIL
SCALE: NTS



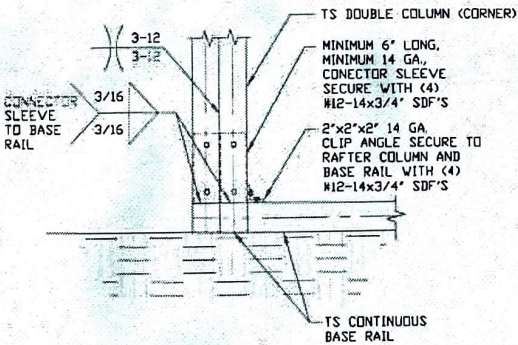
3A RAFTER COLUMN/BASE RAIL CONNECTION DETAIL
SCALE: NTS



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



4 END COLUMN/BASE RAIL CONNECTION DETAIL
SCALE: NTS



4A END COLUMN/BASE RAIL CONNECTION DETAIL
SCALE: NTS

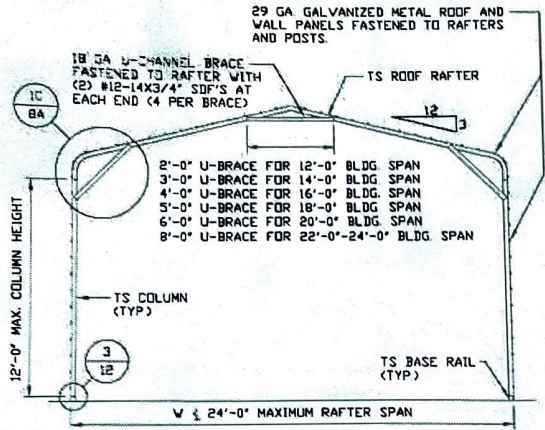
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CHECKED BY: PDH
PROJECT MGR: WSM
CLIENT: TNT

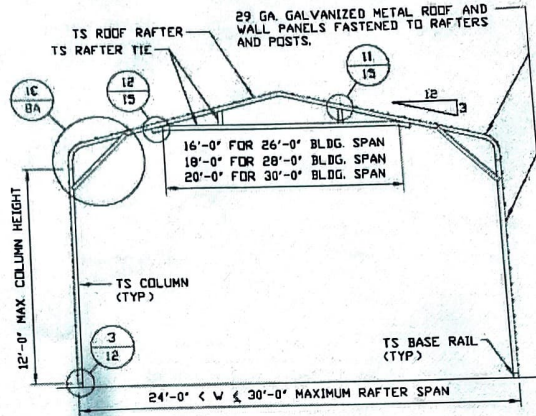
TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20
SCALE: NTS
SHT. 12
DWG NO: SK-3
REV: 0

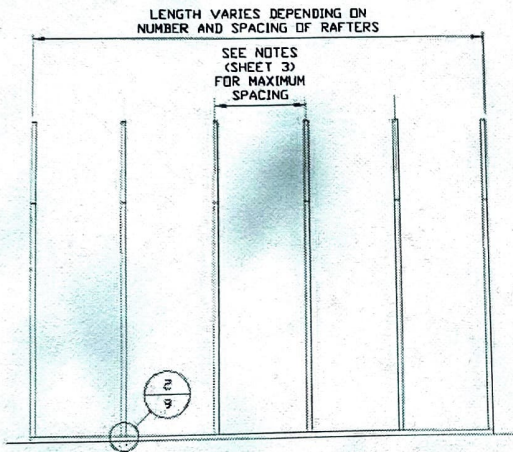
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TYPICAL RAFTER/COLUMN END FRAME SECTION
SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION
SCALE: NTS



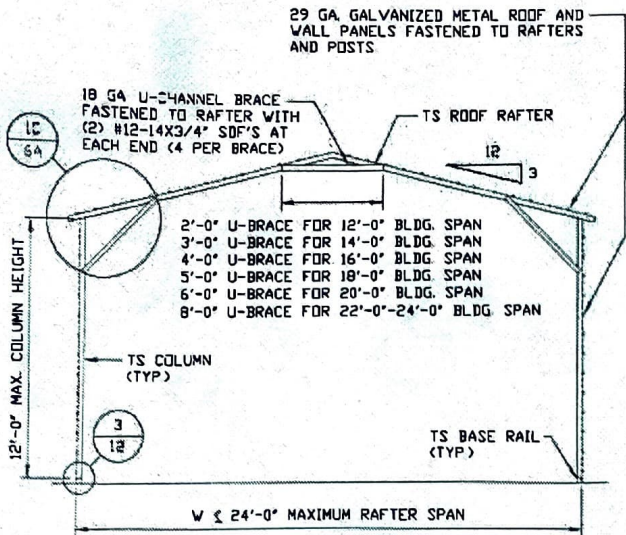
TYPICAL RAFTER/COLUMN FRAMING SIDE SECTION
SCALE: NTS

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ENGINEERING AND CONSULTING, INC.**

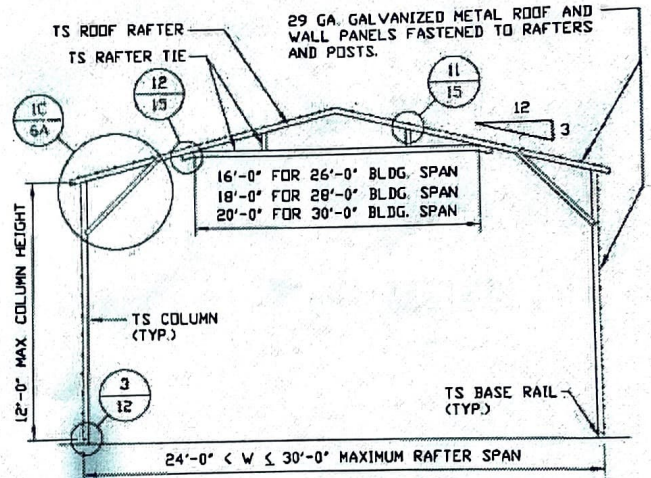
DRAWN BY: AT
CHECKED BY: PDH
PROJECT MGR: VSM
CLIENT: TNT

TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE
DATE: 6-23-20
SCALE: NTS
JOB NO: 201266
SHT. 7A
DWG. NO: SK-3
REV: 0

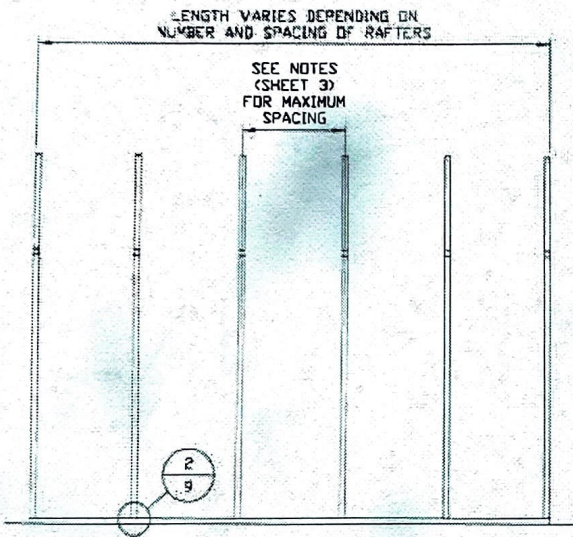
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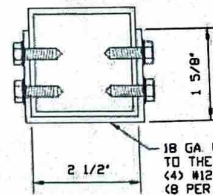
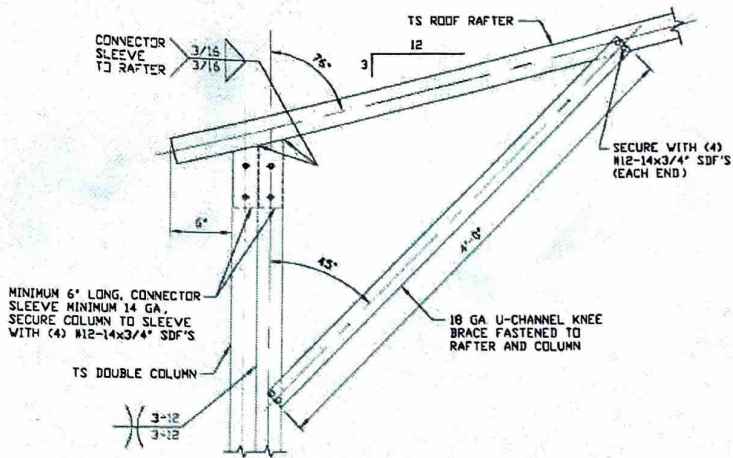
TYPICAL RAFTER/COLUMN END FRAME SECTION
 SCALE: NTS



TYPICAL RAFTER/COLUMN END FRAME SECTION
 SCALE: NTS



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION
 SCALE: NTS



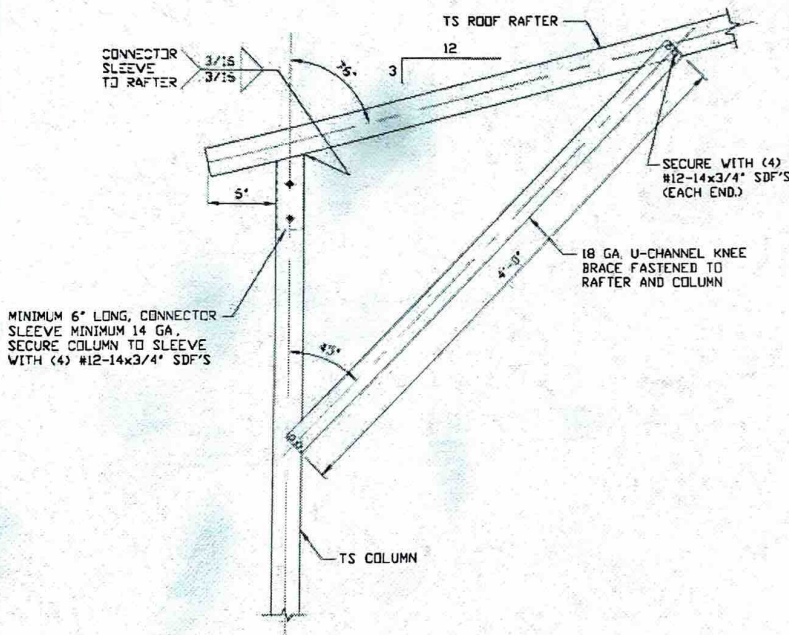
BRACE SECTION
SCALE: NTS

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

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 12'-0" < TO ≤ 16'-0"

1B

SCALE: NTS



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

1C

SCALE: NTS

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

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CLIENT: TNT

TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20

SCALE: NTS

JOB NO: 2012

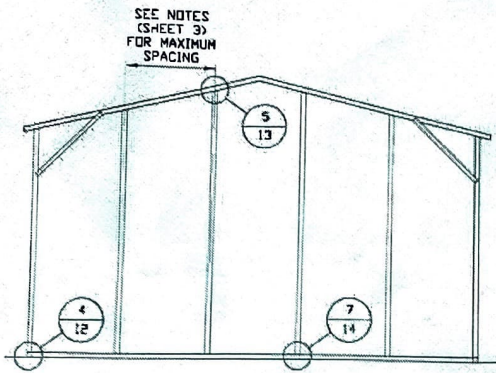
SHT. 6A

DWG. NO SK-3

REV: 0

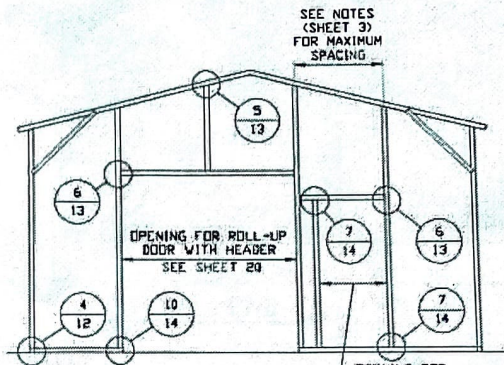
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BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS



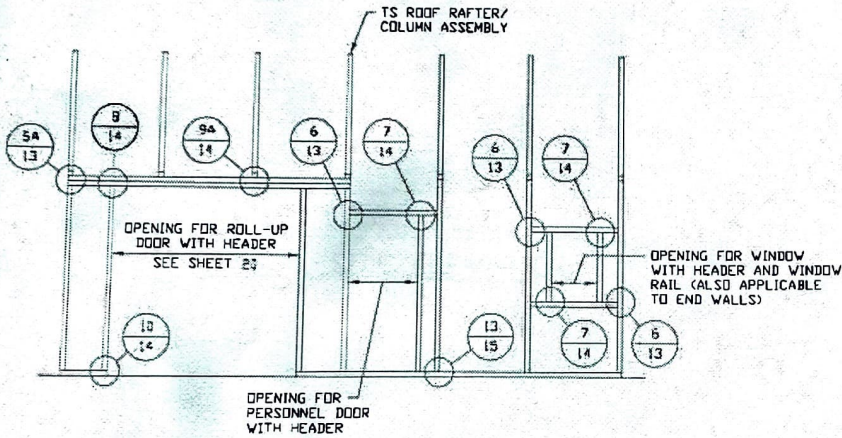
**TYPICAL BOX EAVE RAFTER
END WALL FRAMING SECTION**

SCALE: NTS



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

SCALE: NTS



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

SCALE: NTS

Ro
W

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CLIENT: TNT

**TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE**

DATE: 6-23-20

SHT. 10

SCALE: NTS

DWG. NO: SK-3

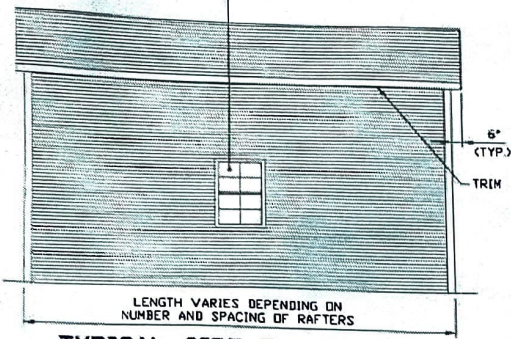
JOB NO: 201265

REV: 0

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WINDOW (AS APPLICABLE)

BOX EAVE FRAME RAFTER STRUCTURE

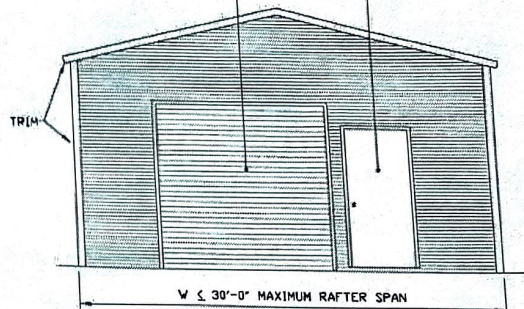


TYPICAL SIDE ELEVATION

SCALE: NTS

ROLL-UP DOOR (AS APPLICABLE)

PERSONNEL DOOR (AS APPLICABLE)

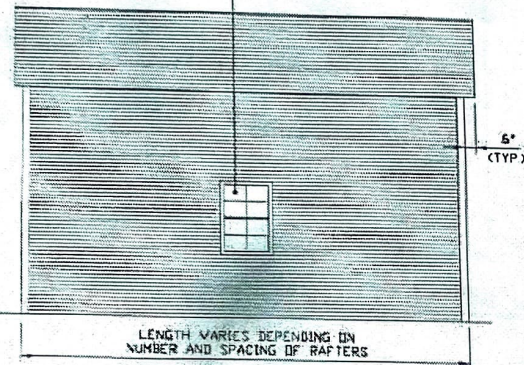


TYPICAL END ELEVATION

SCALE: NTS

BOW FRAME RAFTER STRUCTURE

WINDOW (AS APPLICABLE)

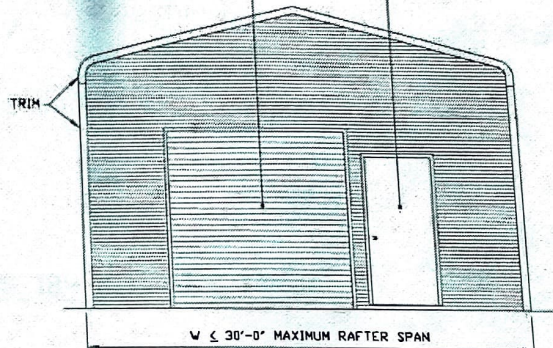


TYPICAL SIDE ELEVATION

SCALE: NTS

ROLL-UP DOOR (AS APPLICABLE)

PERSONNEL DOOR (AS APPLICABLE)



TYPICAL END ELEVATION

SCALE: NTS

ROLL UP DOOR

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PROJECT MGR: VSM

CLIENT: TNT

**TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE**

DATE: 6-23-20

SHT. 4

SCALE: NTS

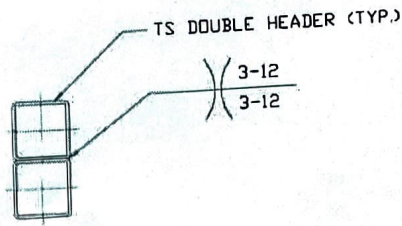
DWG. NO. SK-3

JOB NO. 2012

REV. 0

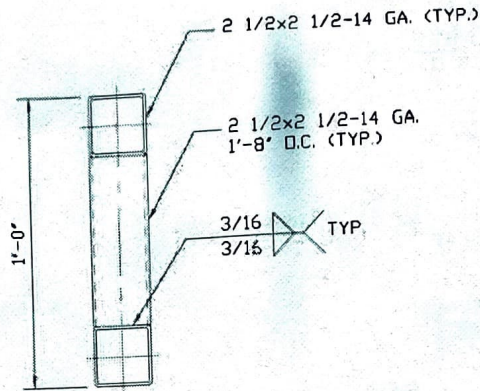
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SIDE WALL HEADER OPTIONS



HEADER DETAIL FOR LENGTHS $\leq 12'-0''$

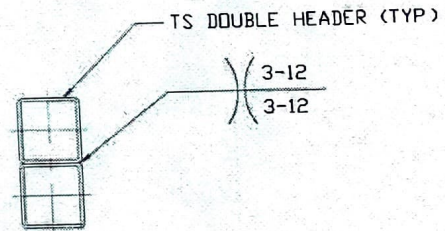
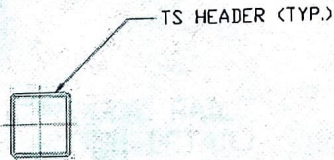
SCALE: NTS



HEADER DETAIL FOR LENGTHS $12'-0'' < \text{TO} \leq 14'-0''$

SCALE: NTS

END WALL HEADER OPTION



HEADER DETAIL FOR LENGTHS $\leq 12'-0''$

SCALE: NTS

HEADER DETAIL FOR LENGTHS $12'-0'' < \text{TO} \leq 14'-0''$

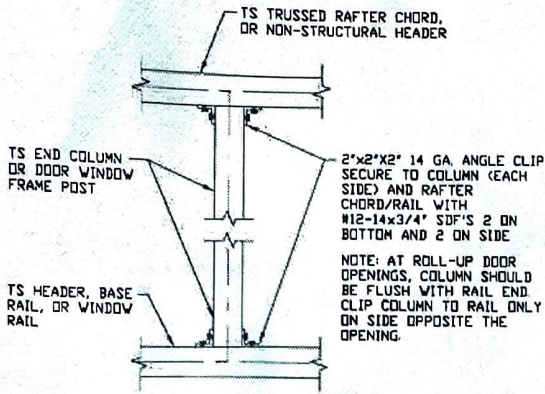
SCALE: NTS

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ENGINEERING AND CONSULTING, INC.**

DRAWN BY: AT	TNT CARPORTS, INC. 170 HOLLY SPRINGS ROAD MOUNT AIRY, NC 27030		
CHECKED BY: PDH	30'-0" x 20'-0" SP ENCLOSED STRUCTURE		
PROJECT MGR: VSM	DATE: 6-23-20	SCALE: NTS	JOB NO: P01265
CLIENT: TNT	SHT. 20	DWG NO: SK-3	REV: 0

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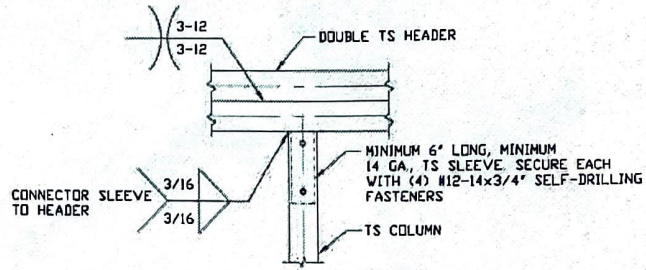
CONNECTION DETAILS



7

COLUMN TO WINDOW RAIL CONNECTION DETAIL

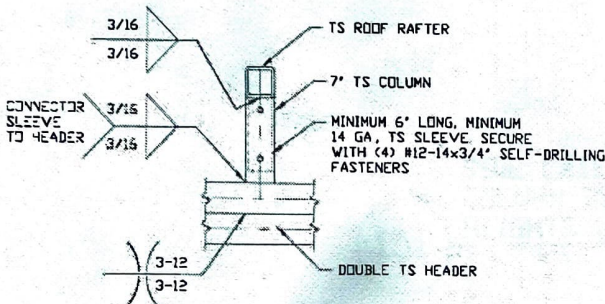
SCALE: NTS



8

DOUBLE HEADER/COLUMN CONNECTION DETAIL

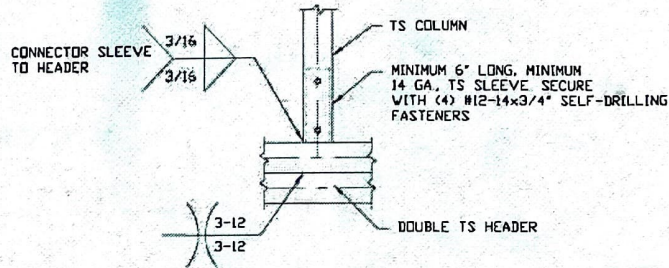
SCALE: NTS



9A

COLUMN/DOUBLE HEADER CONNECTION DETAIL

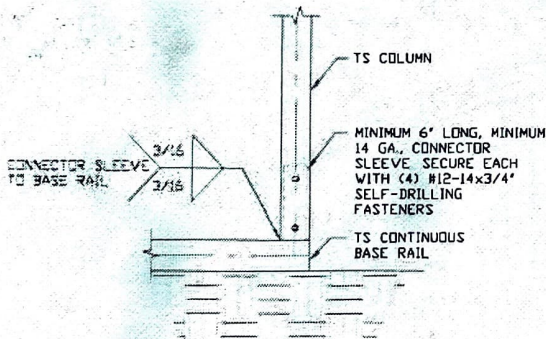
SCALE: NTS



9B

COLUMN/DOUBLE HEADER CONNECTION DETAIL

SCALE: NTS



10

COLUMN/BASE RAIL CONNECTION DETAIL

SCALE: NTS

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CLIENT: TNT

TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20

SHT. 14

SCALE: NTS

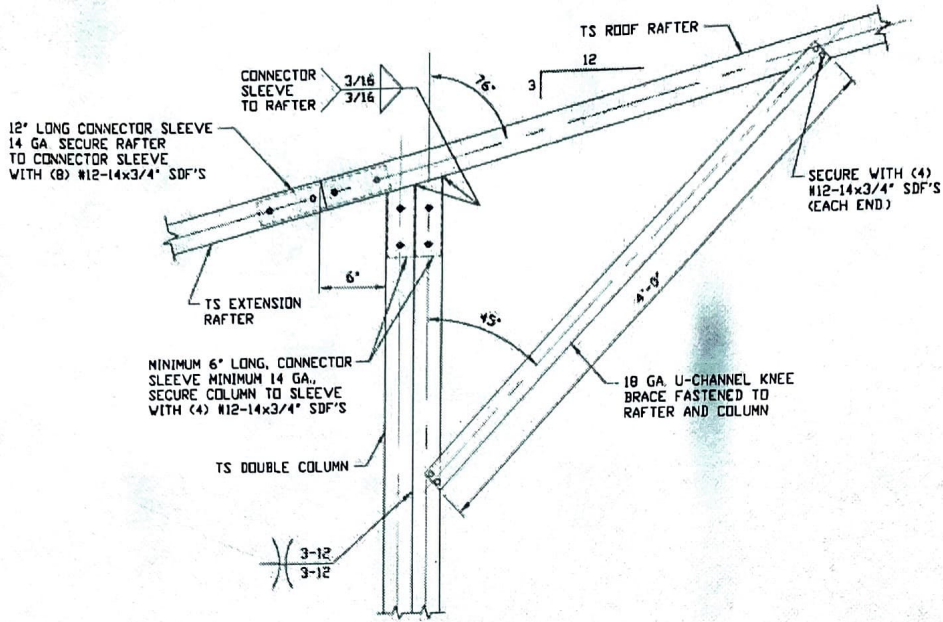
DWG. NO. SK-3

JOB NO. 201265

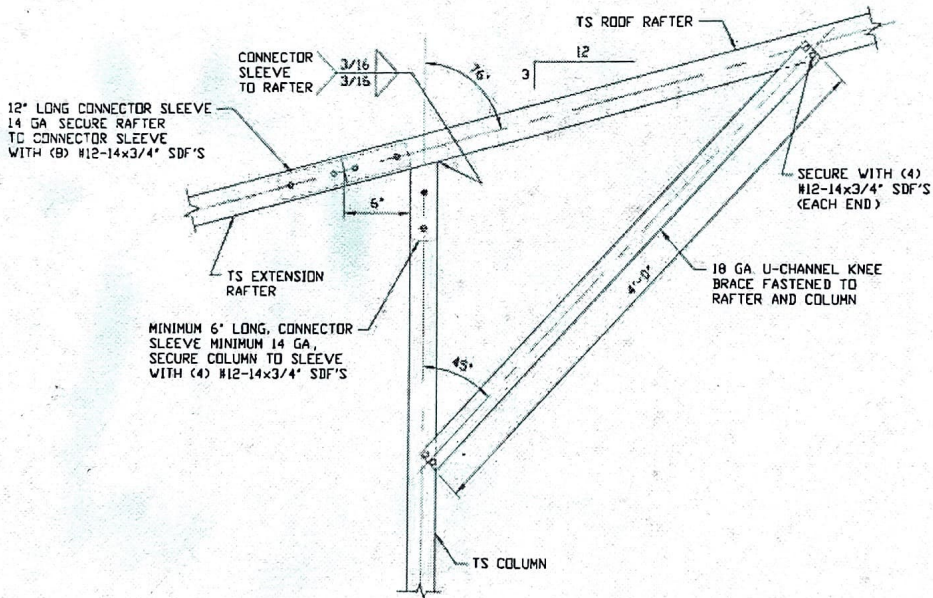
REV: 0

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BOX EAVE RAFTER LEAN-TO OPTIONS FOR RAFTER SPANS $\leq 12'-0''$



15B SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS $12'-0'' < TO \leq 16'-0''$
SCALE: NTS



15C SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS $\leq 12'-0''$
SCALE: NTS
NOTE: 2'-0" KNEE BRACE MAY BE USED
FOR BUILDING WIDTHS $< 24'-0''$.

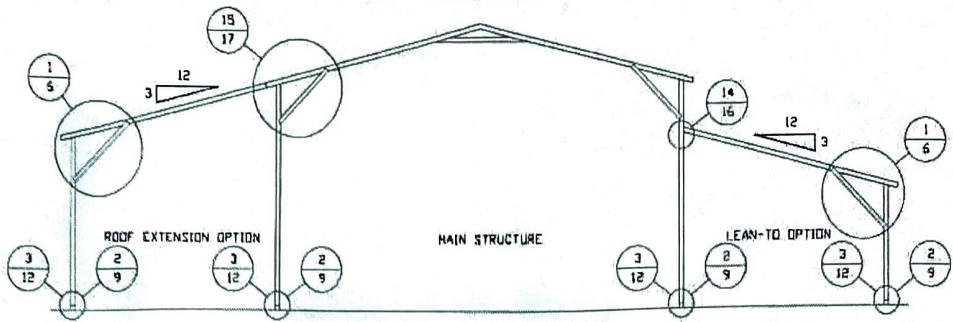
**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: AT
CHECKED BY: PDH
PROJECT MGR: VSM
CLIENT: TNT

TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE
DATE: 6-23-20
SCALE: NTS
JOB NO: 201265
SHT. 17A
DWG. NO: SK-3
REV: 0

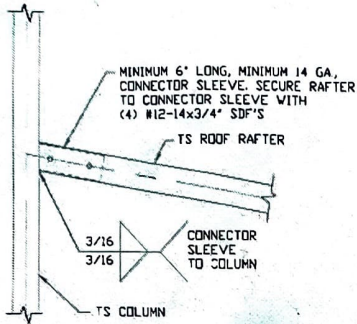
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BOX EAVE RAFTER LEAN-TO OPTIONS



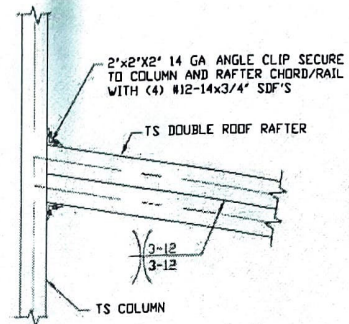
TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

SCALE: NTS



14A LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS $\leq 12'-0"$

SCALE: NTS



14B LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS $12'-0" < TO \leq 16'-0"$

SCALE: NTS

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

DRAWN BY: AT
CHECKED BY: PDH

TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0"x20'-0" SP ENCLOSED STRUCTURE

PROJECT MGR: WSM
CLIENT: TNT

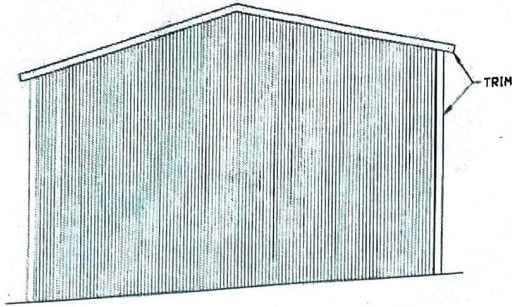
DATE: 6-23-20
SHT. 16

SCALE: NTS
DWG. NO SK-3

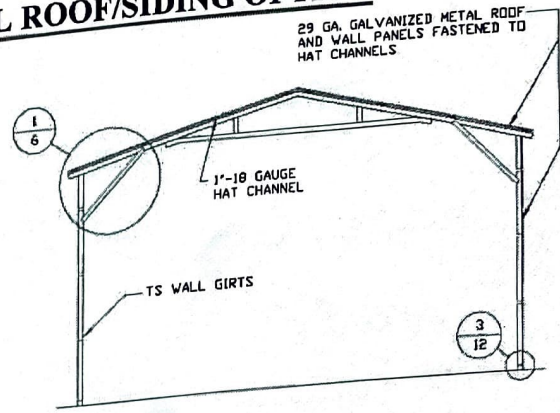
JOB NO: 201265
REV: 0

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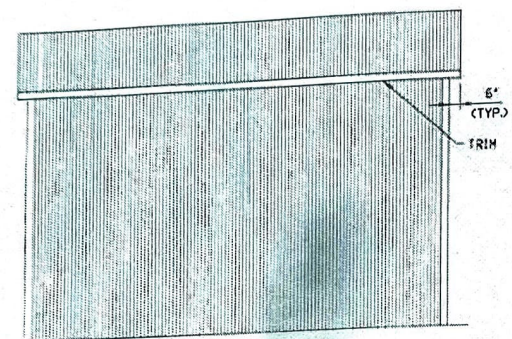
BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



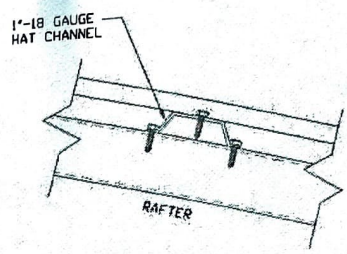
**TYPICAL END ELEVATION
VERTICAL ROOF/SIDING**
SCALE: NTS



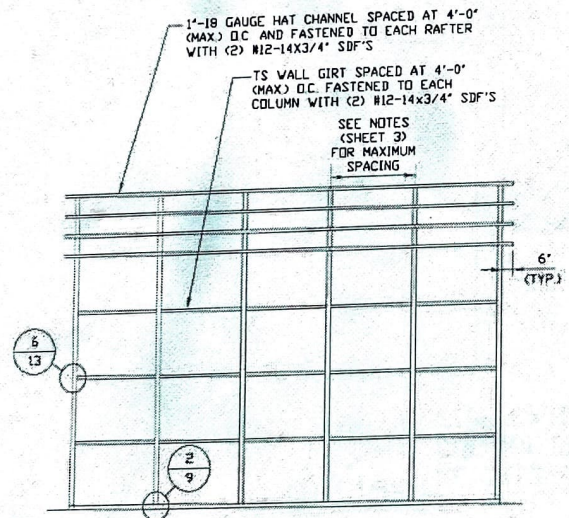
**TYPICAL SECTION VERTICAL
ROOF/SIDING OPTION**
SCALE: NTS



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



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



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

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CHECKED BY: PDH

**TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE**

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PROJECT MGR: WSM

CLIENT: TNT

DATE: 6-23-20

SHT. 19

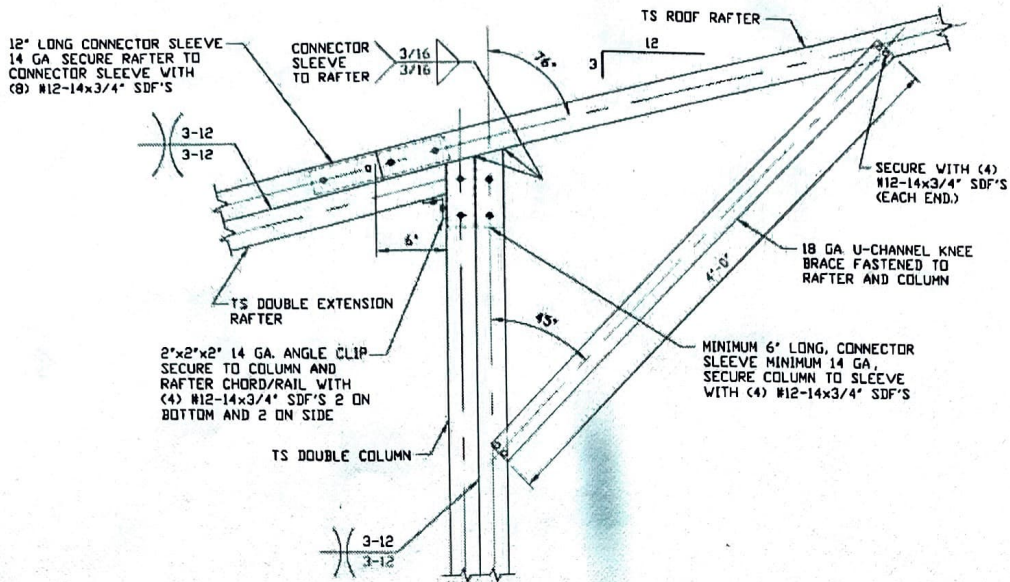
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DWG. NO: SK-3

JOB NO: 201265

REV: 0

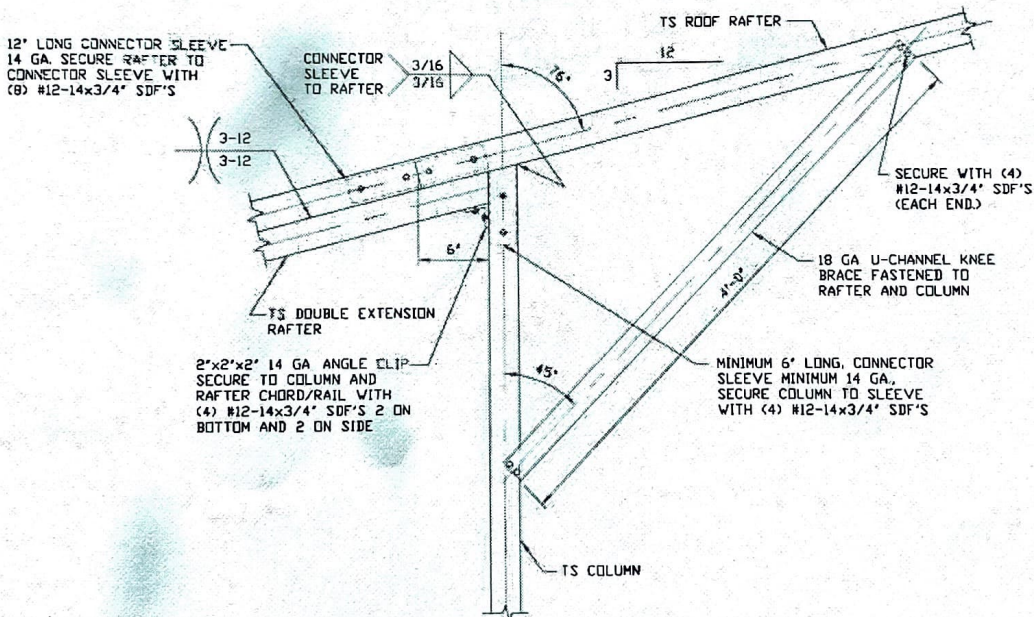
BOX EAVE RAFTER LEAN-TO OPTIONS FOR RAFTER SPANS 12'-0" < TO ≤ 16'-0"



15E

SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS 12'-0" < TO ≤ 16'-0"

SCALE: NTS



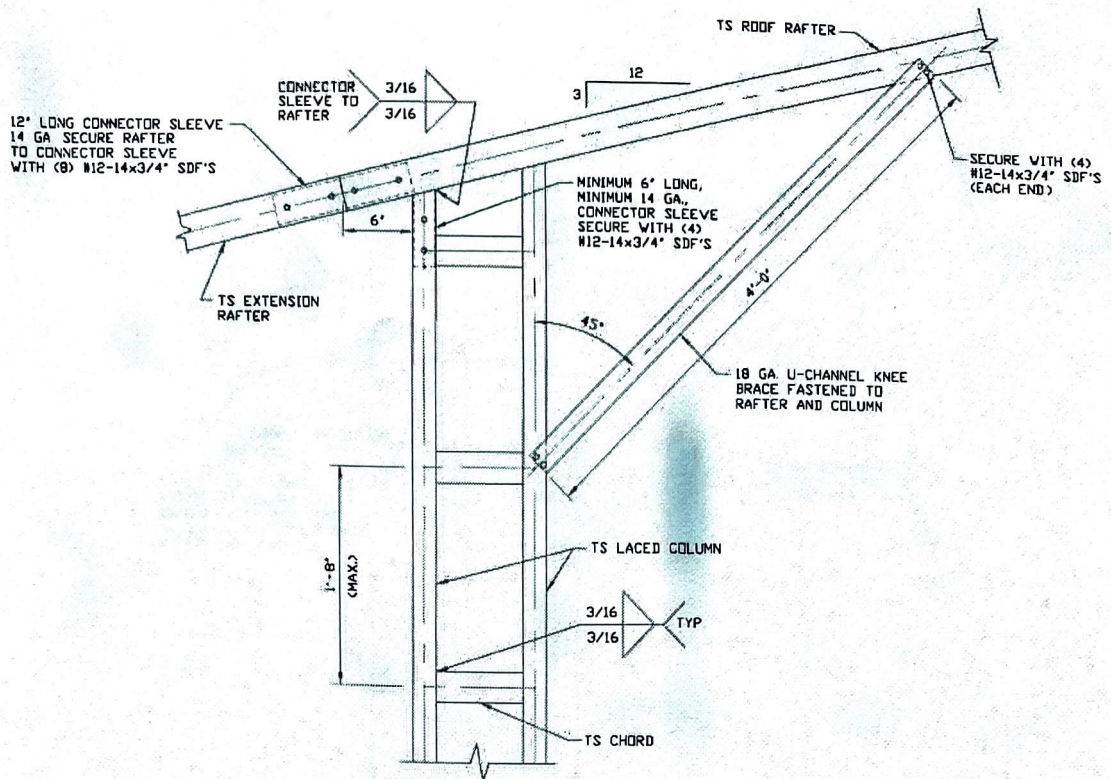
15F

SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS < 12'-0"

SCALE: NTS

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

BOX EAVE RAFTER LEAN-TO OPTIONS FOR RAFTER SPANS $\leq 12'-0''$



**SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS 16'-0" < TO \leq 20'-0"**
SCALE: NTS

15A

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CHECKED BY: PJM

PROJECT MGR: VSM

CLIENT: TNT

TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0"x20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20

SHT. 17

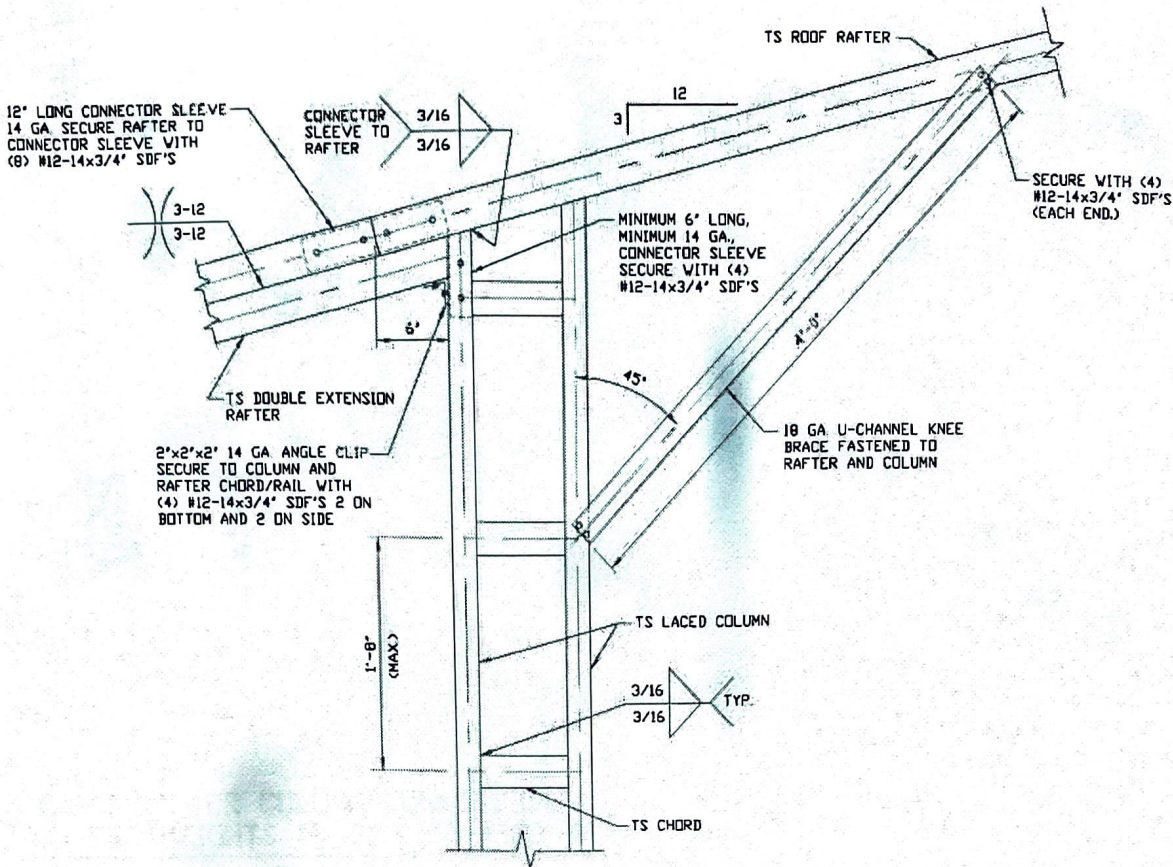
SCALE: NTS

DWG. NO. SK-3

JOB NO. 20126S

REV. 0

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**SIDE EXTENSION RAFTER/
COLUMN DETAIL FOR
HEIGHTS 16'-0" < TO ≤ 20'-0"**
SCALE: NTS

15D

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170 HOLLY SPRINGS ROAD
MOUNT AIRY, NC 27030
30'-0" x 20'-0" SP ENCLOSED STRUCTURE

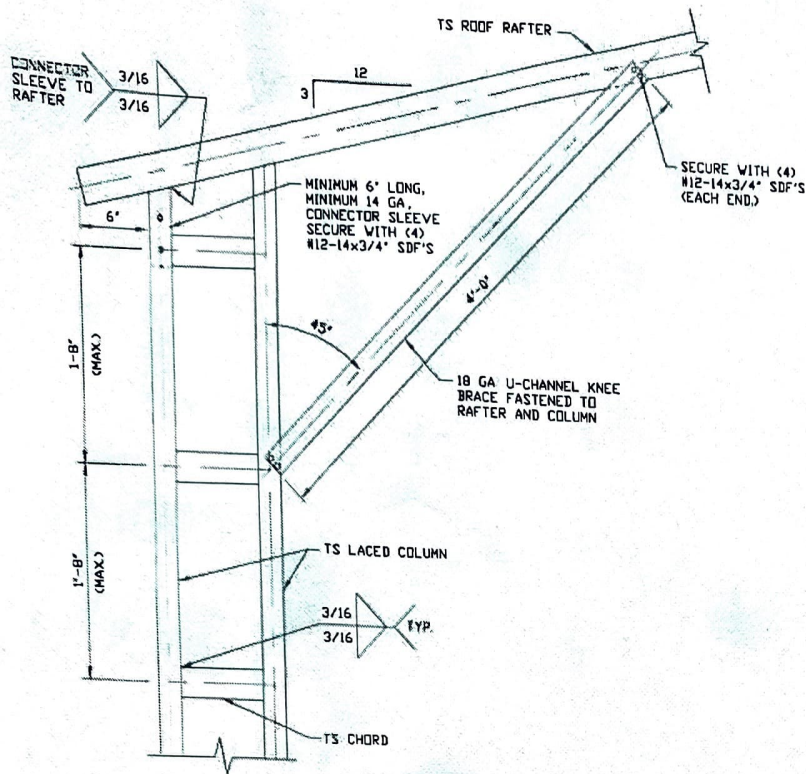
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DATE: 6-23-20
SHT. 17B

SCALE: NTS
DWG. NO: SK-3

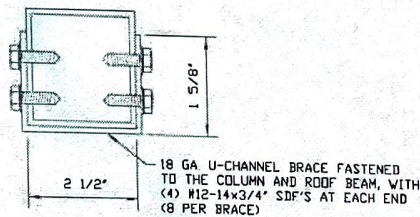
JOB NO: 201265
REV: 0



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

1A

SCALE: NTS



BRACE SECTION

SCALE: NTS

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TNT CARPORTS, INC.
170 HOLLY SPRINGS ROAD
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30'-0" x 20'-0" SP ENCLOSED STRUCTURE

DATE: 6-23-20

SHT. 6

SCALE: NTS

DWG. NO: SK-3

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