

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

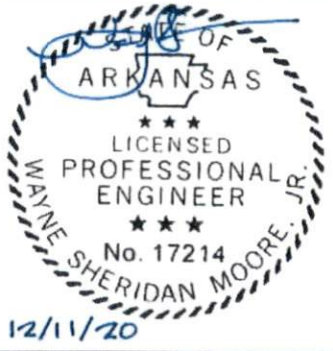
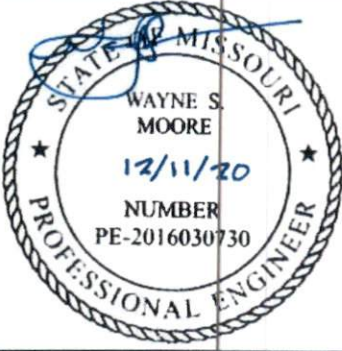
**MOORE AND ASSOCIATES  
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: LT		STEEL BUILDINGS AND STRUCTURES, INC. P.O. BOX 1287, MOUNT AIRY, NC 27030 30'-0" x 20'-0" ENCLOSED STRUCTURE		
CHECKED BY: PDH		PROJECT MGR: WSM	DATE: 12-11-20	SCALE: NTS
CLIENT: SBSI		SHT. 1	DWG. NO: SK-3	REV: 9
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**Professional Certification.**  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 49744, Expiration Date 6/6/22



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**SHT. 1A** **DWG. NO:** SK-3 **REV.:** 9

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## 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 2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION, 2018 NORTH CAROLINA BUILDING CODE, 2006 INTERNATIONAL BUILDING CODE (IBC), 2009 IBC, 2012 IBC, 2015 IBC AND 2018 IBC
3. DESIGN LOADS ARE AS FOLLOWS:
  - A) DEAD LOAD = 15 PSF
  - B) LIVE LOAD = 12 PSF
  - C) GROUND SNOW LOAD = 30 PSF ( $\leq 26'-0"$ ), 35 PSF ( $26'-0" < W < 30'-0"$ )

NOTE: UNBALANCED SNOW LOADS DUE TO DRIFTING HAVE NOT BEEN EVALUATED)
4. 3-SECOND GUST ULTIMATE WIND SPEED ( $V_{ULT}$ ) = 105 TO 145 MPH (NOMINAL WIND SPEED = 82 TO 112 MPH)
5. MAXIMUM RAFTER/COLUMN AND END COLUMN SPACING = 5.0 FEET (UNLESS NOTED OTHERWISE)
6. END WALL COLUMNS (POSTS) ARE EQUIVALENT TO SIDE WALL POSTS IN SIZE AND SPACING (UNLESS NOTED OTHERWISE)
7. RISK CATEGORY I
8. WIND EXPOSURE CATEGORY B.
9. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2" x 2 1/2" - 14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS (UNLESS NOTED OTHERWISE).
10. AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR HAT CHANNELS, AND COLUMNS (INTERIOR OR END) = 8 INCHES.
11. FASTENERS CONSIST OF 1/4"x3/4" SELF-DRILLING FASTENER (SDF), USE CONTROL SEAL WASHER WITH EXTERIOR FASTENERS. SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 20 FEET OR LESS, AND ROOF SLOPES OF 14" (3:12 PITCH) OR LESS SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY ROOF SLOPES LESS THAN 3:12 REQUIRE USE OF LAP JOINT SEALANT
12. GROUND ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH COLUMN.
13. STANDARD GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBAR W/ WELDED NUT x 36" LONG AND MAY BE USED IN SUITABLE SOILS. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS AS NOTED.
14. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:
  - SOIL SITE CLASS = D
  - RISK CATEGORY
  - R = 325
  - $S_{DS} = 2039 g$
  - $S_{D1} = 1258 g$
  - $I_E = 10$
  - $V = C_S W$
15. WINDOW AND DOOR DESIGN PRESSURES ARE APPLICABLE TO THE STATE OF FLORIDA ONLY

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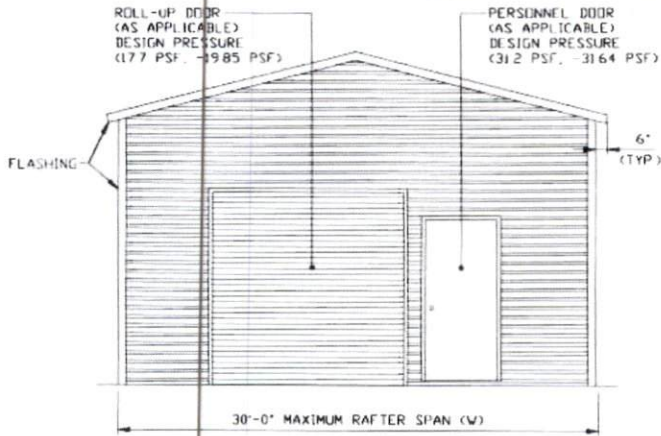
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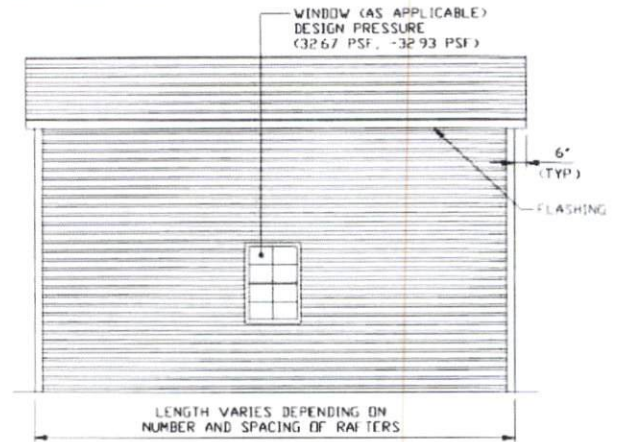
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### BOX EAVE FRAME RAFTER STRUCTURE

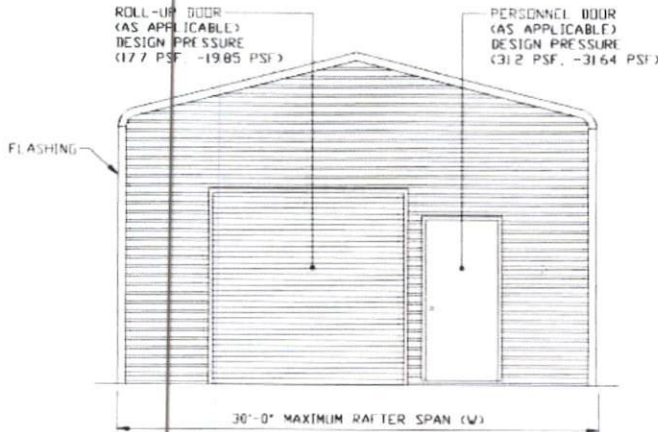


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SCALE: NTS

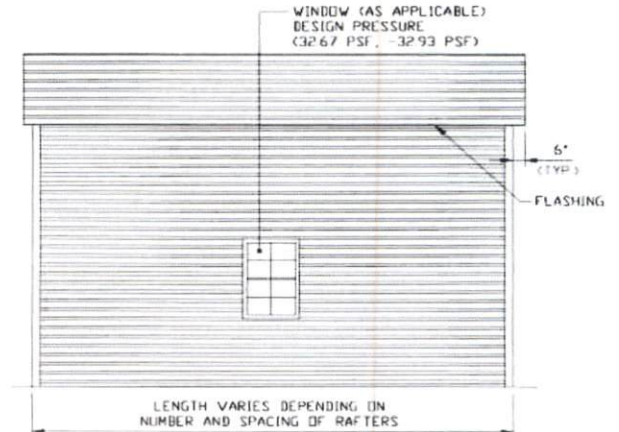


**TYPICAL SIDE ELEVATION**  
SCALE: NTS

### BOW EAVE FRAME RAFTER STRUCTURE



**TYPICAL END ELEVATION**  
SCALE: NTS



**TYPICAL SIDE ELEVATION**  
SCALE: NTS

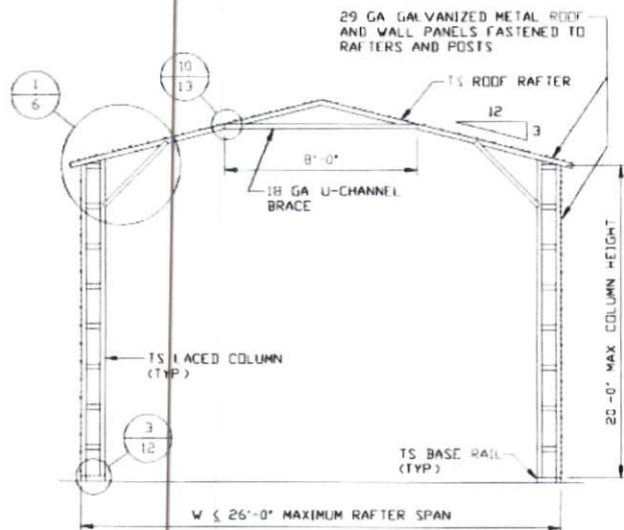
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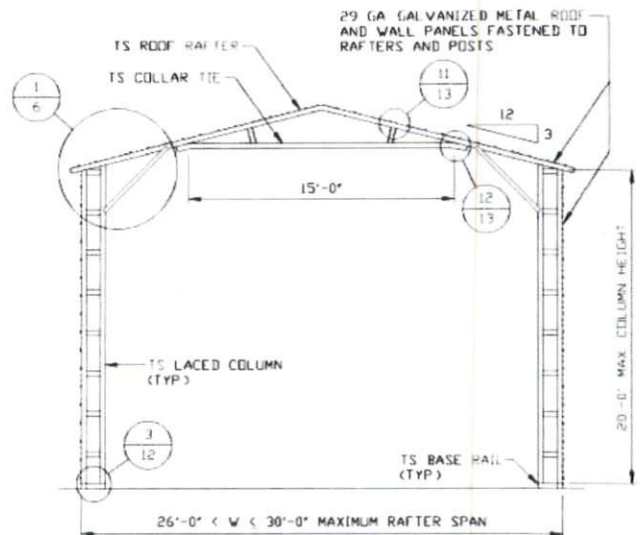
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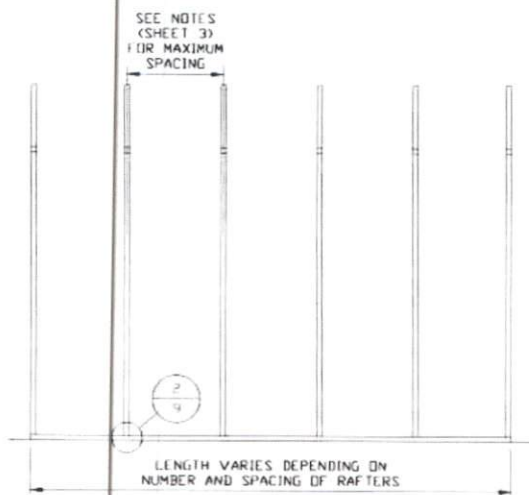
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**TYPICAL RAFTER/COLUMN FRAME SECTION**  
SCALE: NTS



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



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

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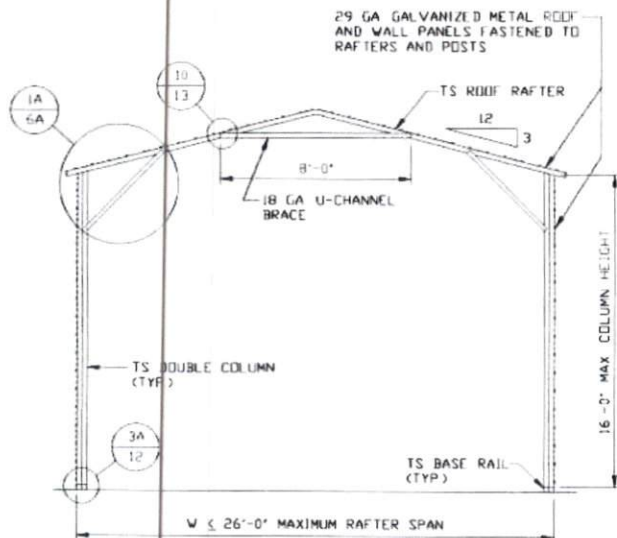
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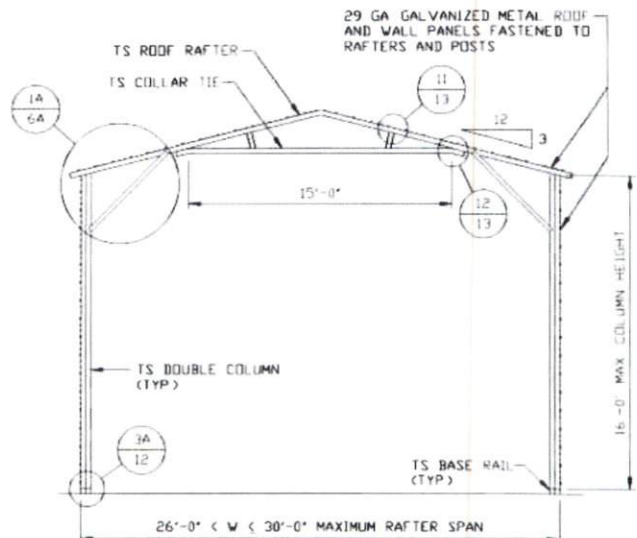
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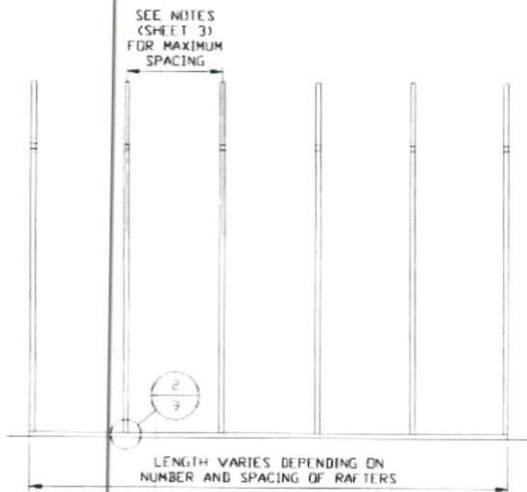




**TYPICAL RAFTER/COLUMN FRAME SECTION**  
SCALE: NTS



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



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

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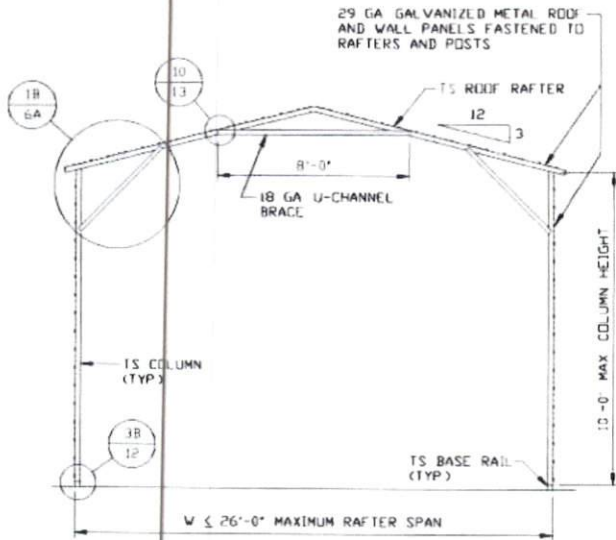
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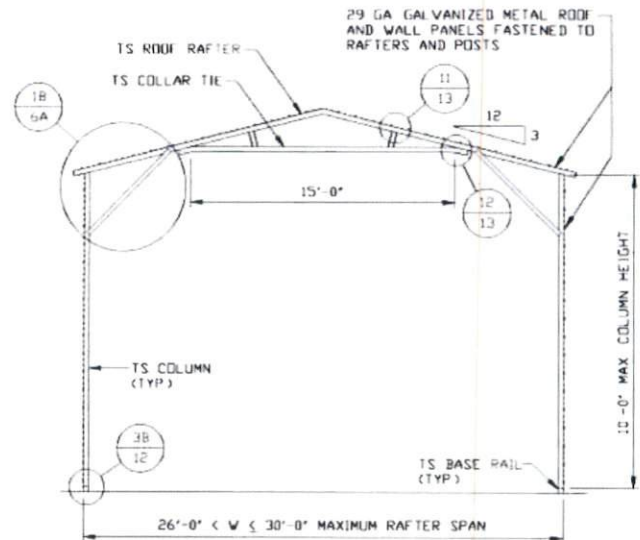
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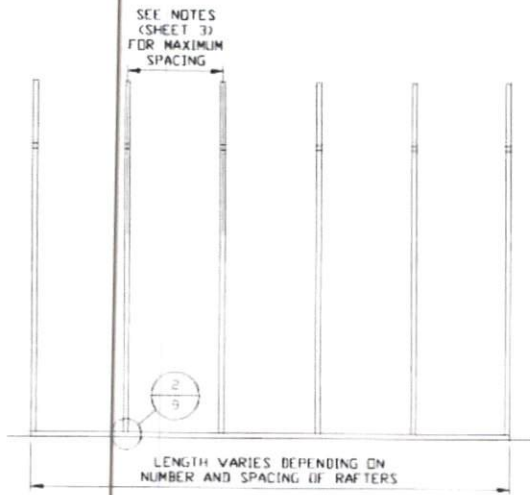
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**TYPICAL RAFTER/COLUMN FRAME SECTION**  
SCALE: NTS



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



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

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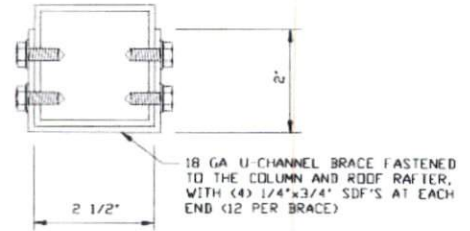
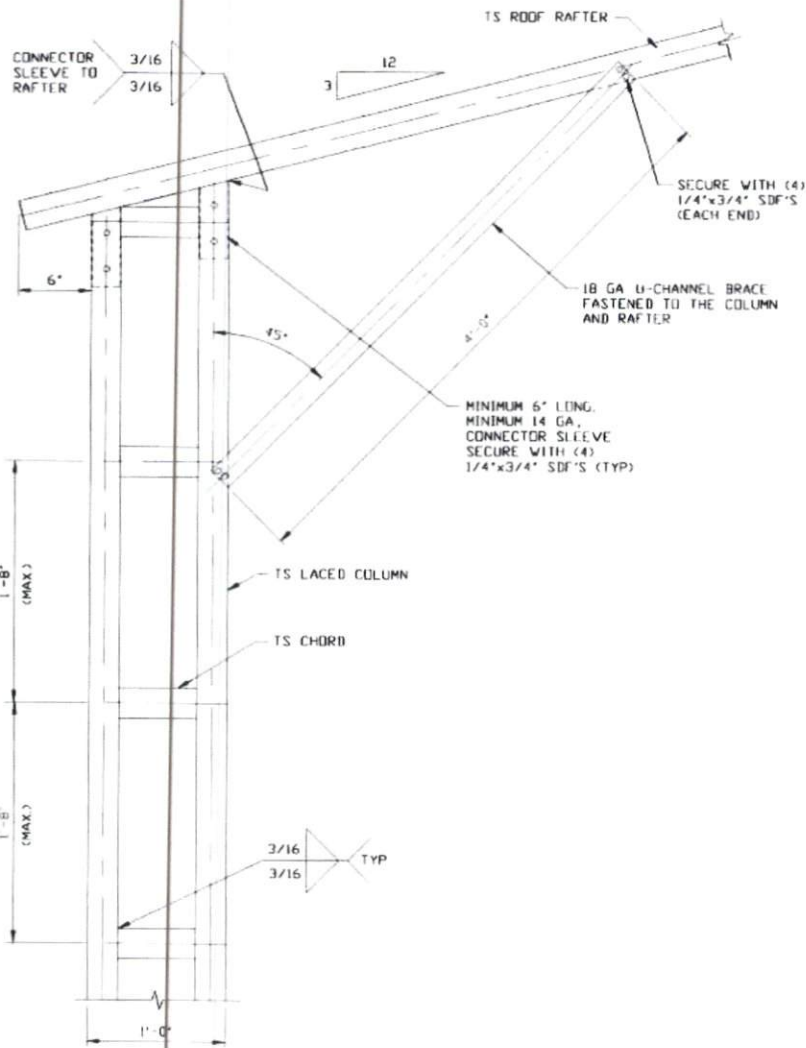
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**BRACE SECTION**  
SCALE: NTS

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

SCALE: NTS

1

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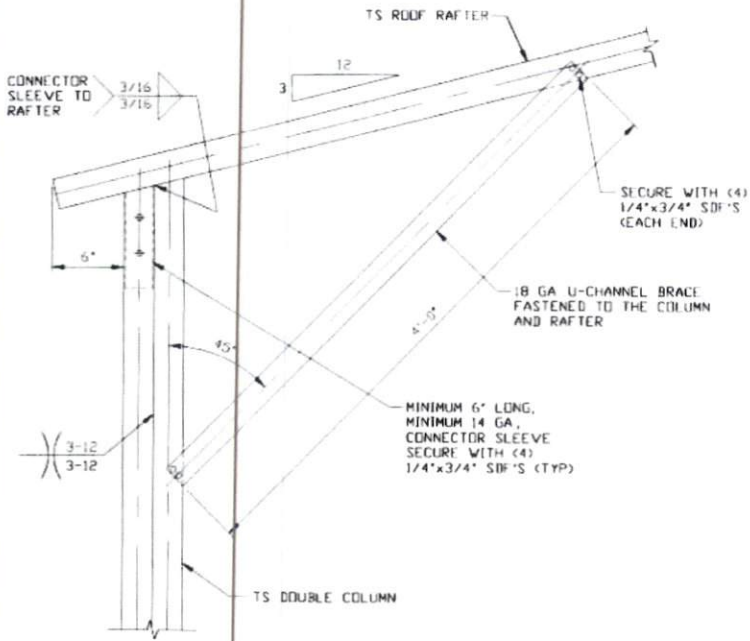
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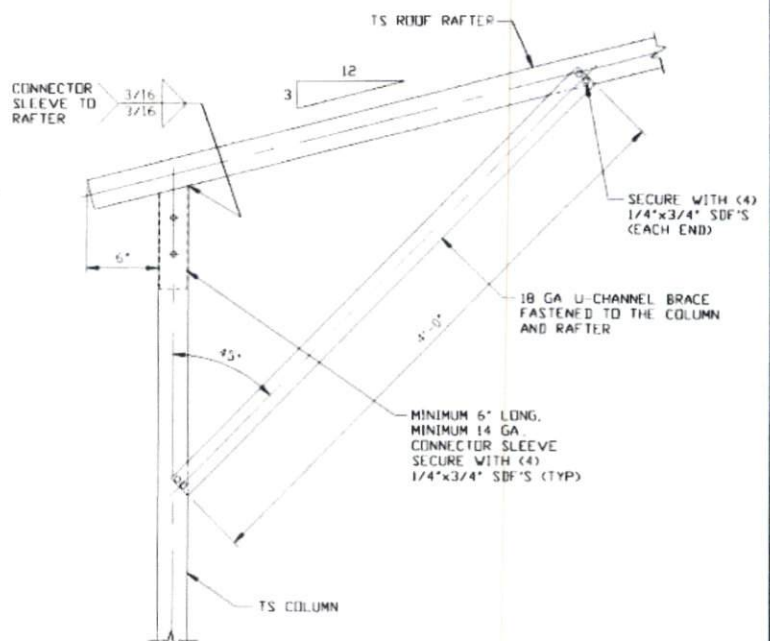
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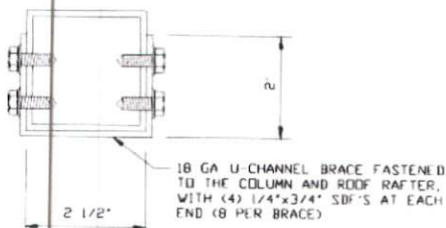
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**1A** BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL FOR HEIGHTS 10'-0" < TO <= 16'-0" SCALE: NTS



**1B** BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL FOR HEIGHTS <= 10'-0" SCALE: NTS



**BRACE SECTION** SCALE: NTS

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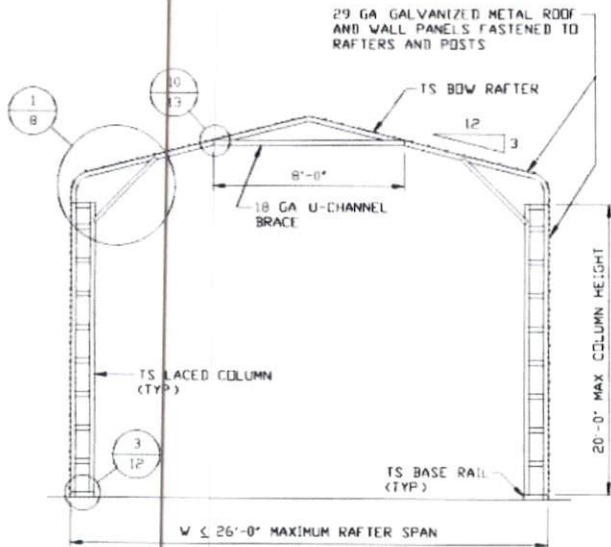
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SHT. 6A

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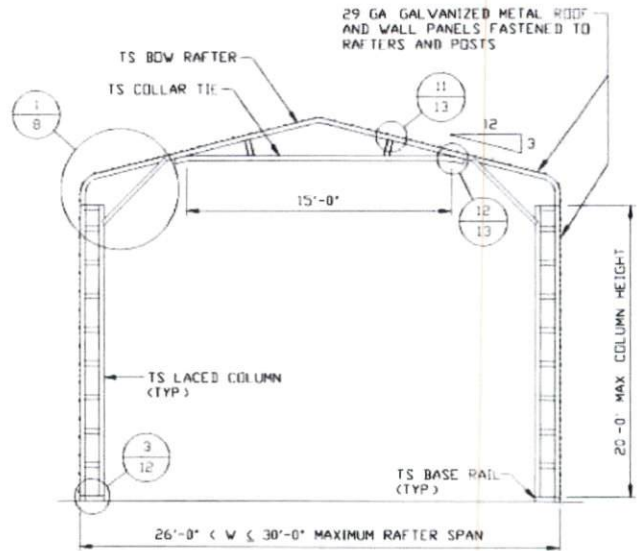
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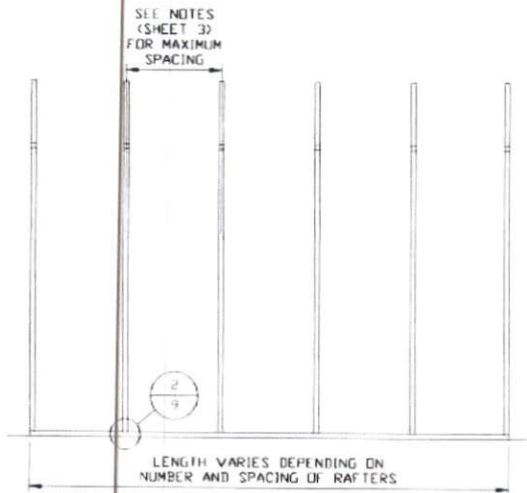
**TYPICAL RAFTER/COLUMN FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN FRAME SECTION**

SCALE: NTS



**TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION**

SCALE: NTS

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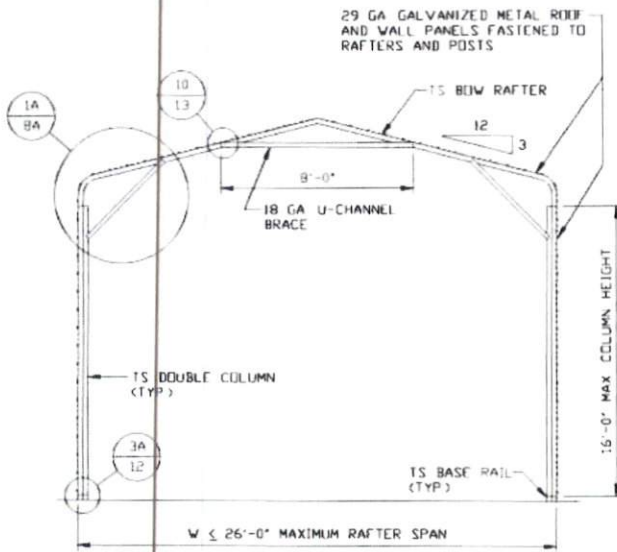
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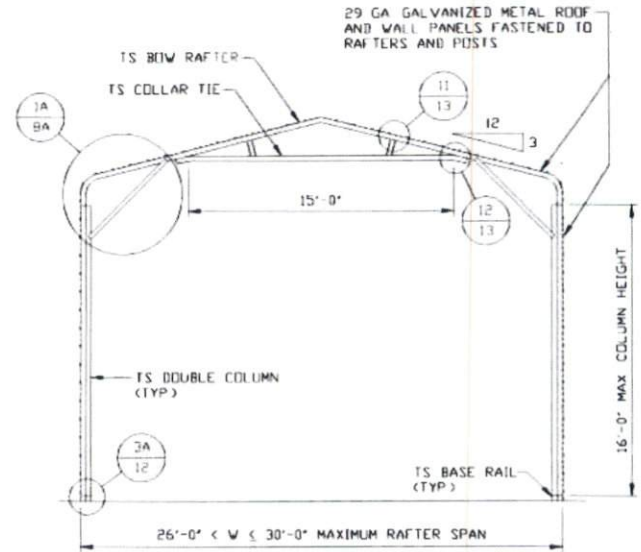
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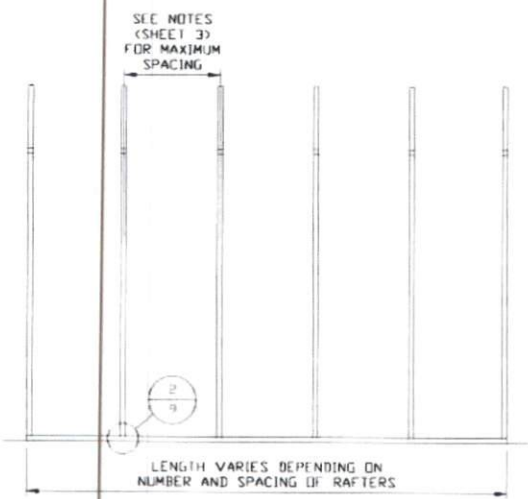
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**TYPICAL RAFTER/COLUMN FRAME SECTION**  
SCALE: NTS



**TYPICAL RAFTER/COLUMN FRAME SECTION**  
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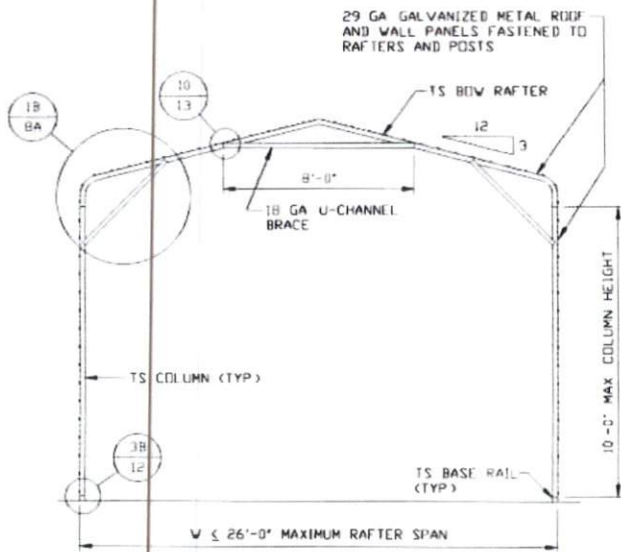
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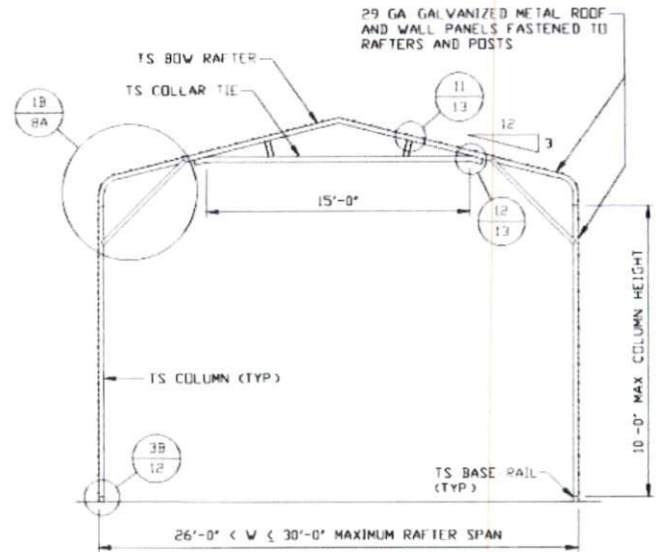
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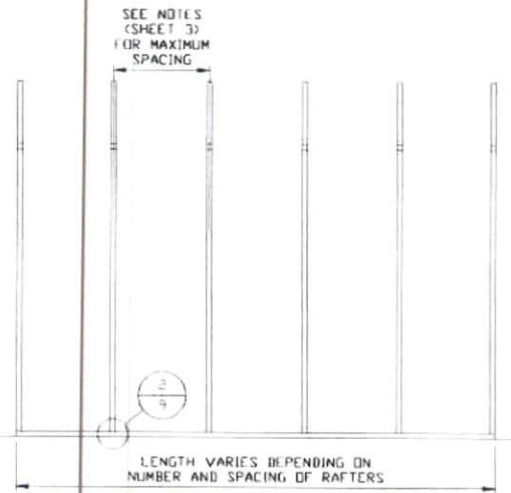




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**TYPICAL RAFTER/COLUMN FRAME SECTION**  
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SHT. 7B

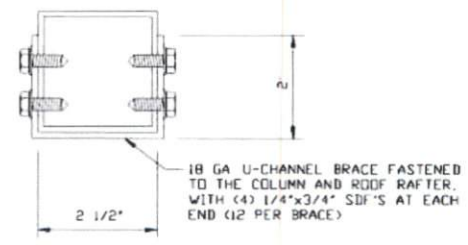
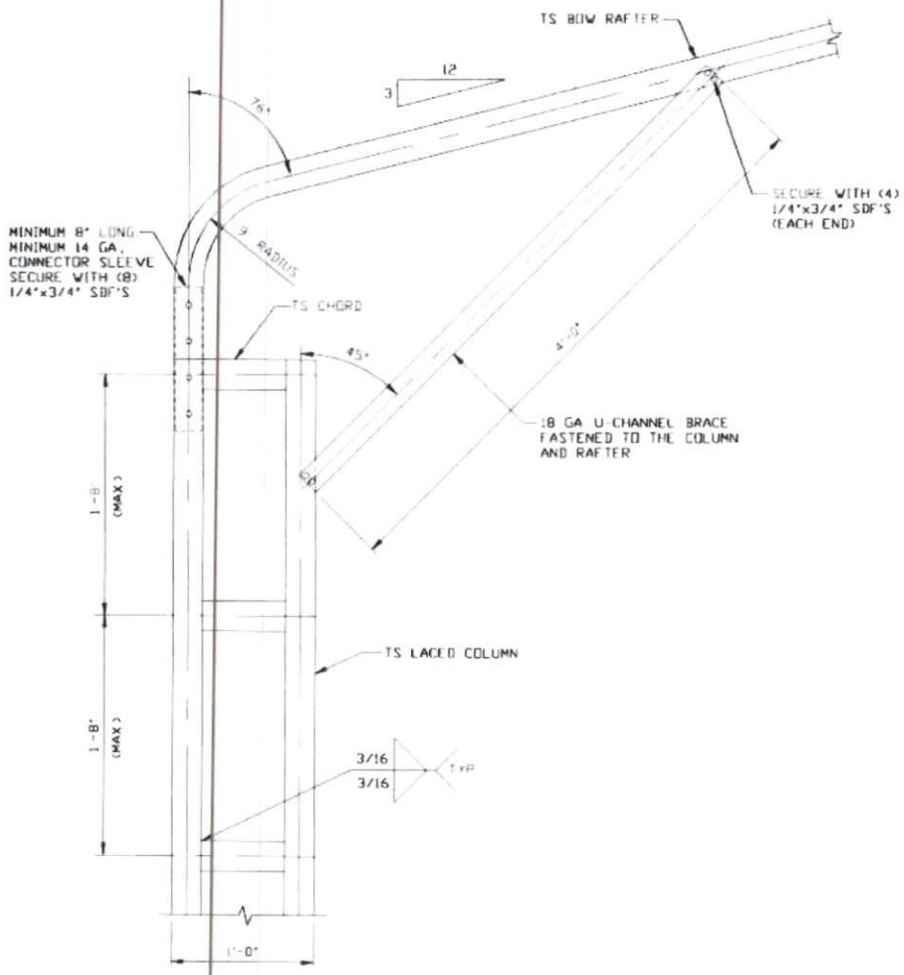
SCALE: NTS

DWG. NO: SK-3

JOB NO: 18068S/18156S  
18290S/20019S/20324S

REV: 9

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**BRACE SECTION**  
SCALE: NTS

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

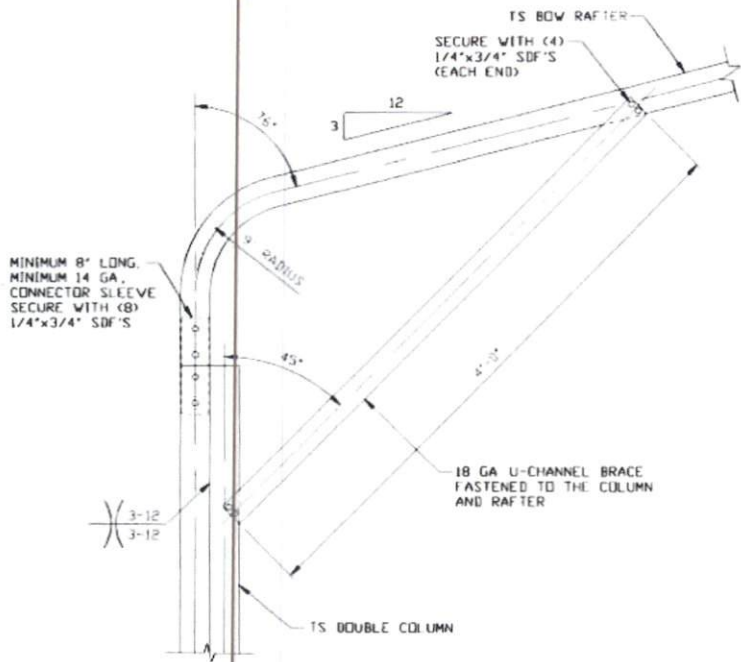
**MOORE AND ASSOCIATES**  
**ENGINEERING AND CONSULTING, INC.**

**DRAWN BY:** LT  
**CHECKED BY:** PDH  
**PROJECT MGR:** WSM  
**CLIENT:** SBSI

STEEL BUILDINGS AND STRUCTURES, INC.  
P.O. BOX 1287,  
MOUNT AIRY, NC 27030  
30'-0" x 20'-0" ENCLOSED STRUCTURE  
**DATE:** 12-11-20  
**SCALE:** NTS  
**JOB NO:** 18068S/18156S  
18290S/20019S/20324S  
**SHT. 8**  
**DWG. NO:** SK-3  
**REV. 9**

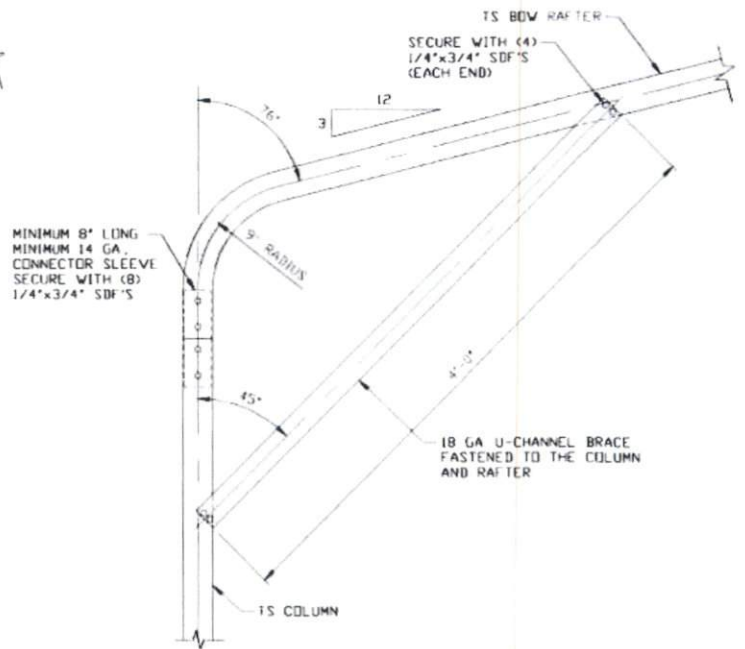
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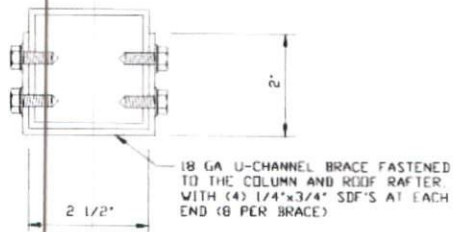
1A

**BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL**  
**FOR HEIGHTS 10'-0" < TO <= 16'-0"**  
 SCALE: NTS



1B

**BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL**  
**FOR HEIGHTS <= 10'-0"**  
 SCALE: NTS



**BRACE SECTION**  
 SCALE: NTS

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PROJECT MGR: WSM

CLIENT: SBSI

STEEL BUILDINGS AND STRUCTURES, INC.  
 P.O. BOX 1287,  
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 30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 12-11-20

SHT. 8A

SCALE: NTS

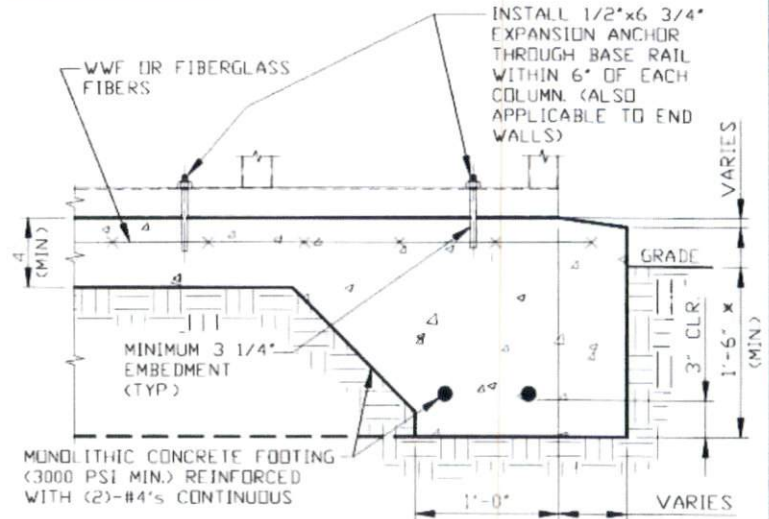
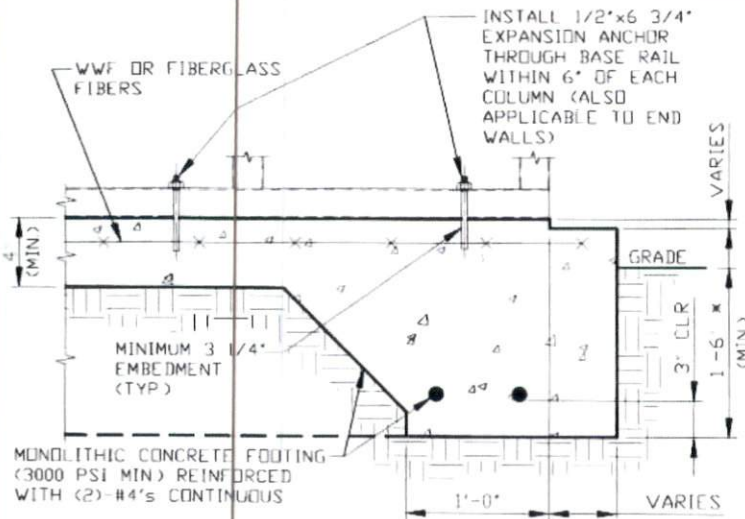
DWG. NO: SK-3

JOB NO: 18068S/18156S  
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## BASE RAIL ANCHORAGE OPTIONS



### 2 CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

SCALE: NTS  
MINIMUM ANCHOR EDGE DISTANCE IS 4"  
\* COORDINATE WITH LOCAL CODES/ORD.

### 2A CONCRETE SLAB BASE RAIL ANCHORAGE

SCALE: NTS  
MINIMUM ANCHOR EDGE DISTANCE IS 4"  
\* COORDINATE WITH LOCAL CODES/ORD

### GENERAL NOTES

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

#### 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:

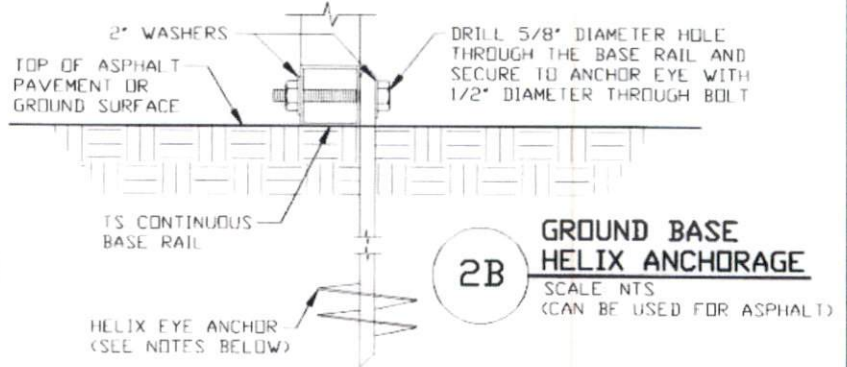
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT

#### 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



### 2B GROUND BASE HELIX ANCHORAGE

SCALE: NTS  
(CAN BE USED FOR ASPHALT)

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ENGINEERING AND CONSULTING, INC.**

DRAWN BY: LT

CHECKED BY: PDM

PROJECT MGR: VSM

CLIENT: SBSI

STEEL BUILDINGS AND STRUCTURES, INC.  
P.O. BOX 1287,  
MOUNT AIRY, NC 27030  
30'-0" X 20'-0" ENCLOSED STRUCTURE

DATE: 12-11-20

SHT. 9

SCALE: NTS

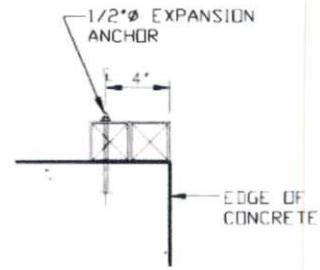
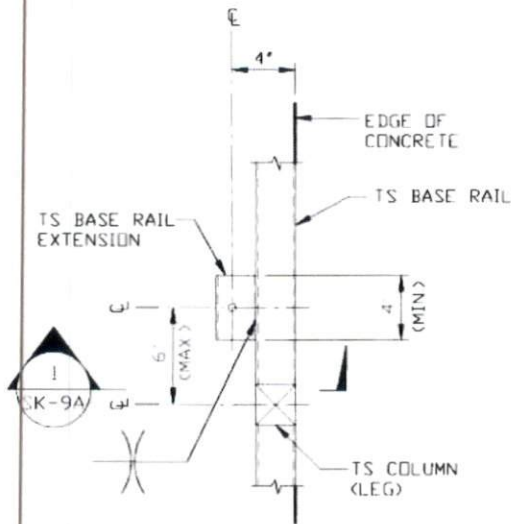
DWG. NO: SK-3

JOB NO: 18068S/18156S  
18290S/20019S/20324S

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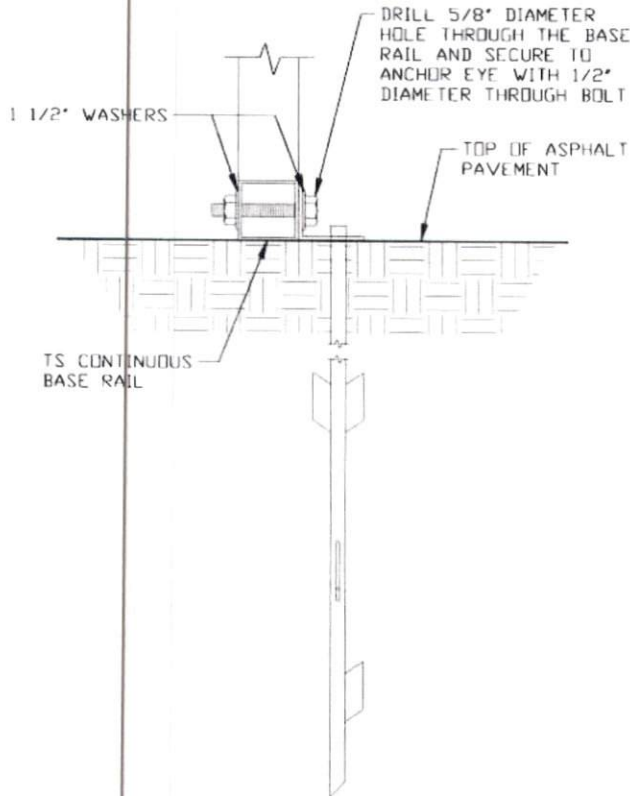
# ADDITIONAL BASE RAIL ANCHORAGE OPTION



**SECTION 1**  
SCALE: NTS  
SK-9A

**TYPICAL ANCHOR DETAIL WHEN BASE RAIL IS NEAR EDGE OF CONCRETE**

SCALE: NTS



**2C ASPHALT BASE ANCHORAGE**  
SCALE: NTS

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DATE: 12-11-20

SHT. 9A

SCALE: NTS

DWG. NO: SK-3

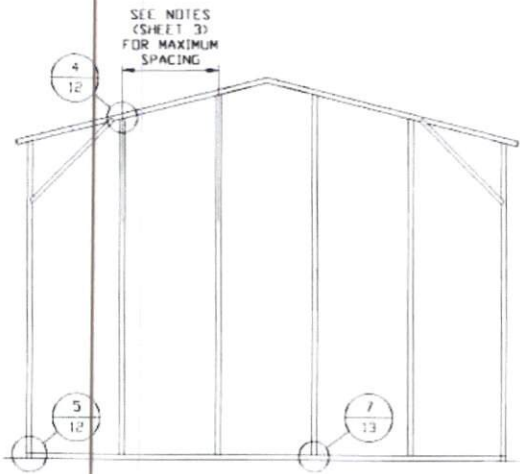
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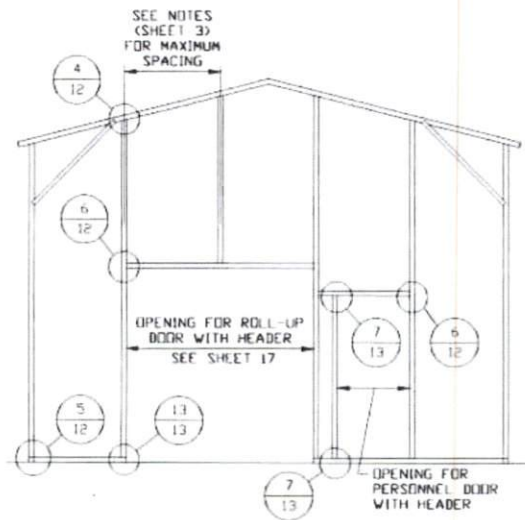


# BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS



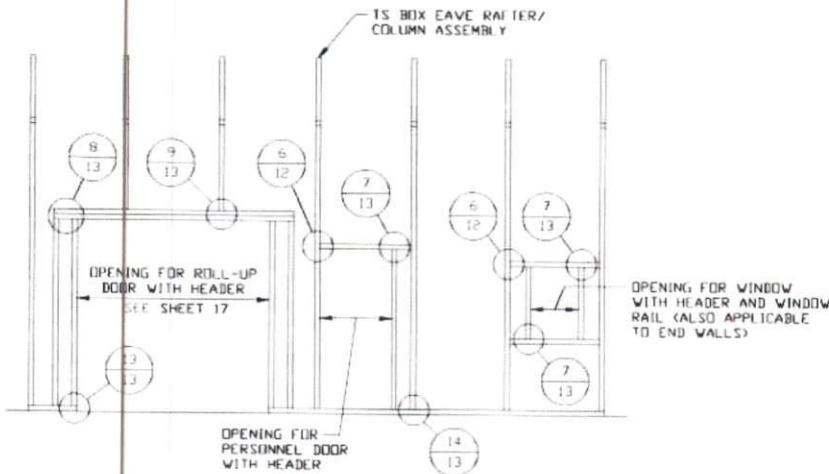
**TYPICAL BOX EAVE RAFTER  
END WALL FRAMING SECTION**

SCALE: NTS



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

SCALE: NTS



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

SCALE: NTS

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SCALE: NTS

SHT. 10

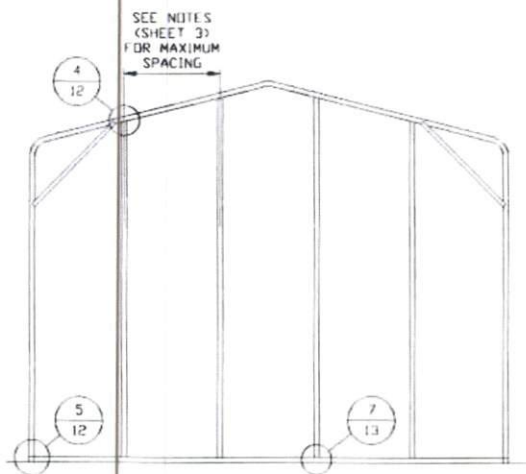
DWG. NO: SK-3

JOB NO: 18068S/18156S  
18290S/20019S/20324S

REV: 9

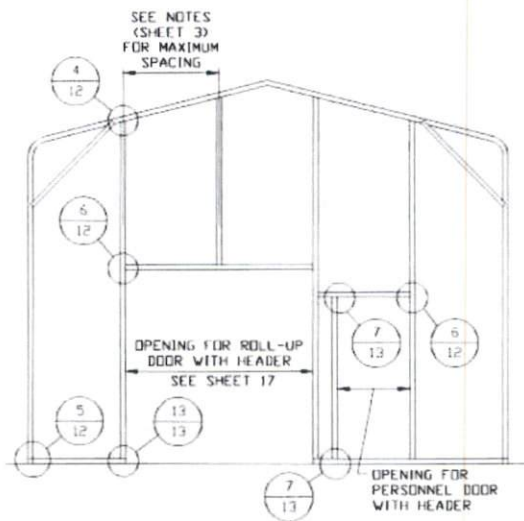
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# BOW EAVE RAFTER END WALL AND SIDE WALL OPENINGS



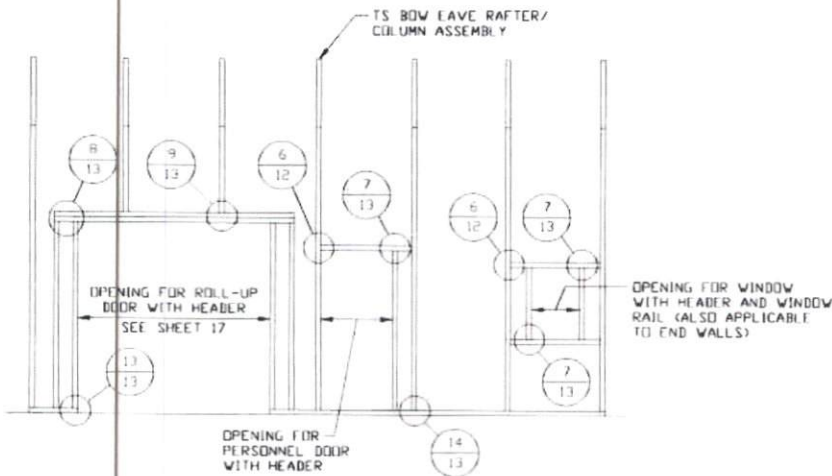
**TYPICAL BOX EAVE RAFTER  
END WALL FRAMING SECTION**

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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30'-0" x 20'-0" ENCLOSED STRUCTURE

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SCALE: NTS

JOB NO: 18068S/18156S  
18290S/20019S/20324S

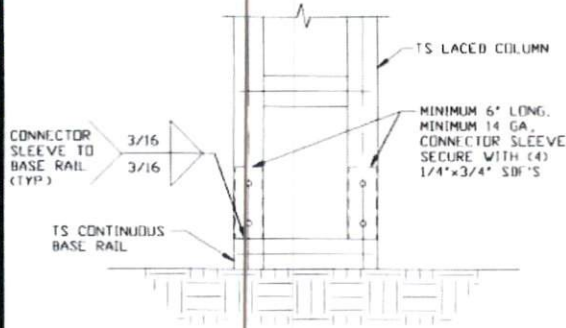
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DWG. NO: SK-3

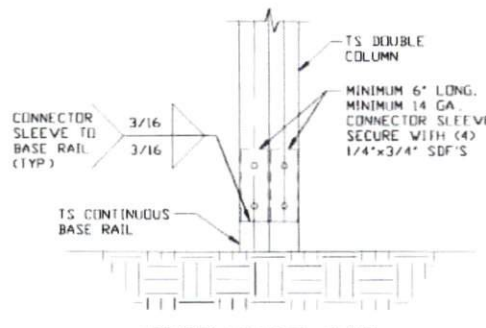
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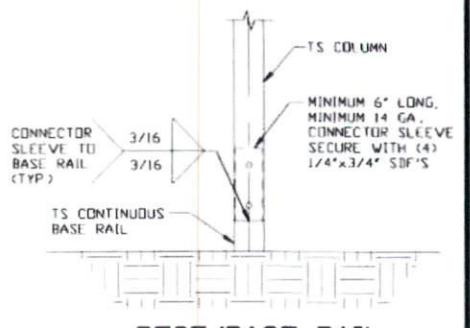
# CONNECTION DETAILS



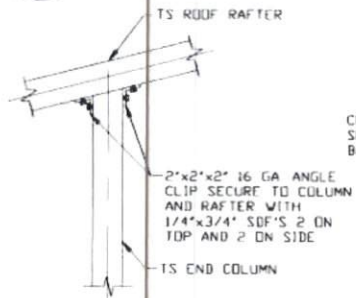
**3** POST/BASE RAIL CONNECTION DETAIL  
SCALE: NTS



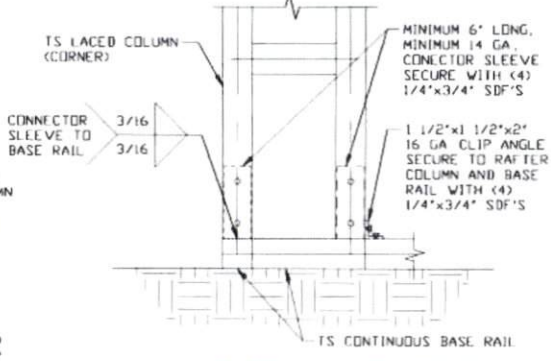
**3A** POST/BASE RAIL CONNECTION DETAIL  
SCALE: NTS



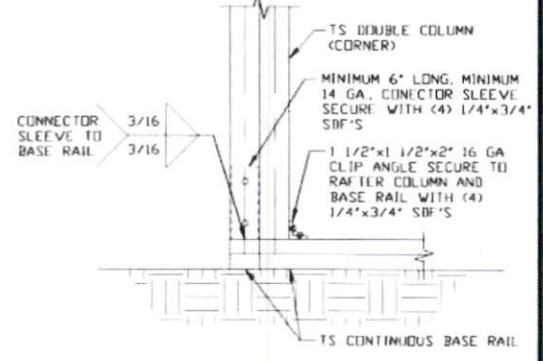
**3B** POST/BASE RAIL CONNECTION DETAIL  
SCALE: NTS



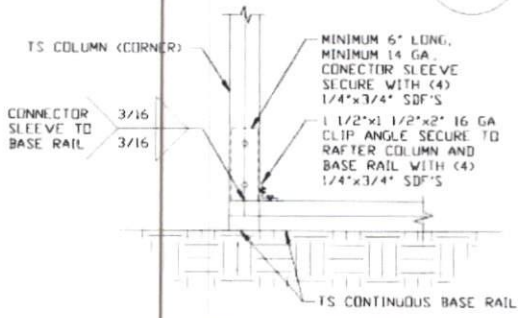
**4** END COLUMN/RAFTER CONNECTION DETAIL  
SCALE: NTS



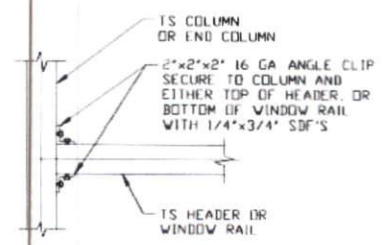
**5** END COLUMN/BASE RAIL CONNECTION DETAIL  
SCALE: NTS



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



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



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

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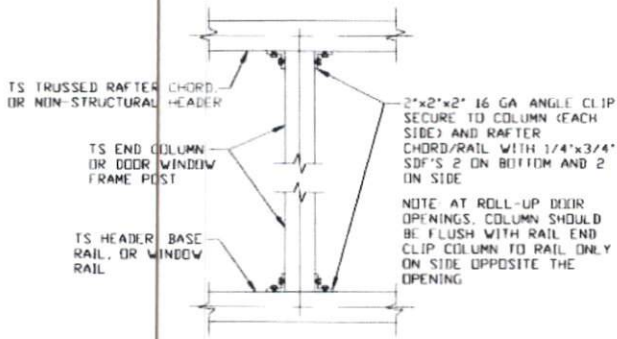
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SCALE: NTS  
JOB NO: 18068S/18156S  
18290S/20019S/20324S  
SHT. 12  
DWG. NO: SK-3  
REV: 9



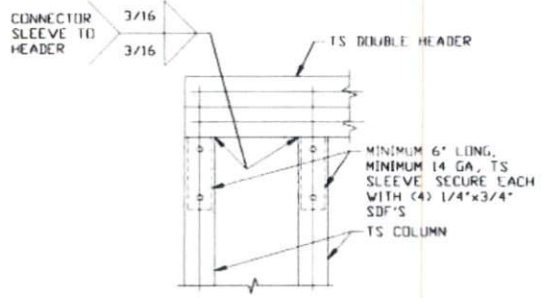
# CONNECTION DETAILS



7

**COLUMN TO HEADER, BASE RAIL, OR WINDOW RAIL CONNECTION DETAIL**

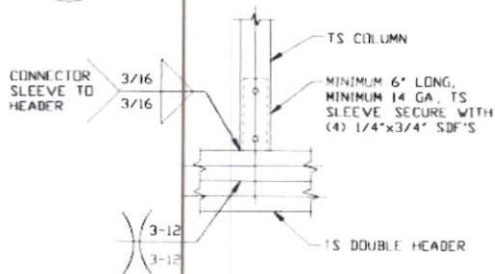
SCALE: NTS



8

**DOUBLE HEADER/COLUMN CONNECTION DETAIL**

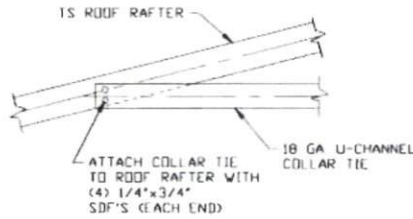
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9

**COLUMN/DOUBLE HEADER CONNECTION DETAIL**

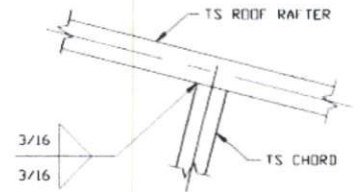
SCALE: NTS



10

**COLLAR TIE CONNECTION DETAIL**

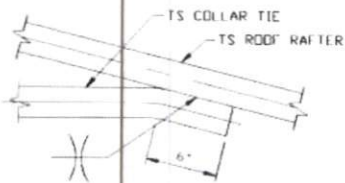
SCALE: NTS



11

**RAFTER TO CHORD CONNECTION DETAIL**

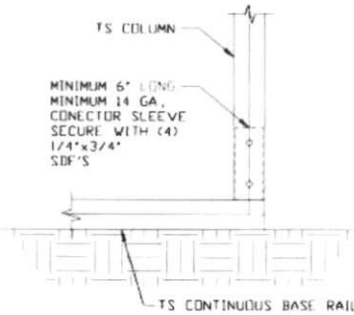
SCALE: NTS



12

**COLLAR TIE CONNECTION DETAIL**

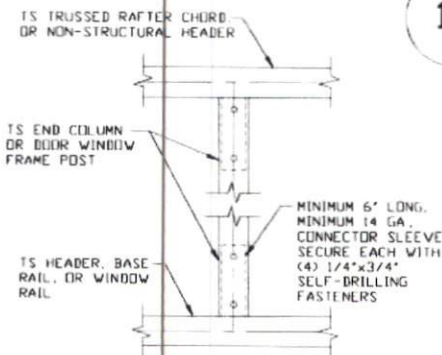
SCALE: NTS



13

**COLUMN/BASE RAIL CONNECTION DETAIL**

SCALE: NTS



14

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

SCALE: NTS

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P.O. BOX 1287,  
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30'-0"X20'-0" ENCLOSED STRUCTURE

DATE: 12-11-20

SHT. 13

SCALE: NTS

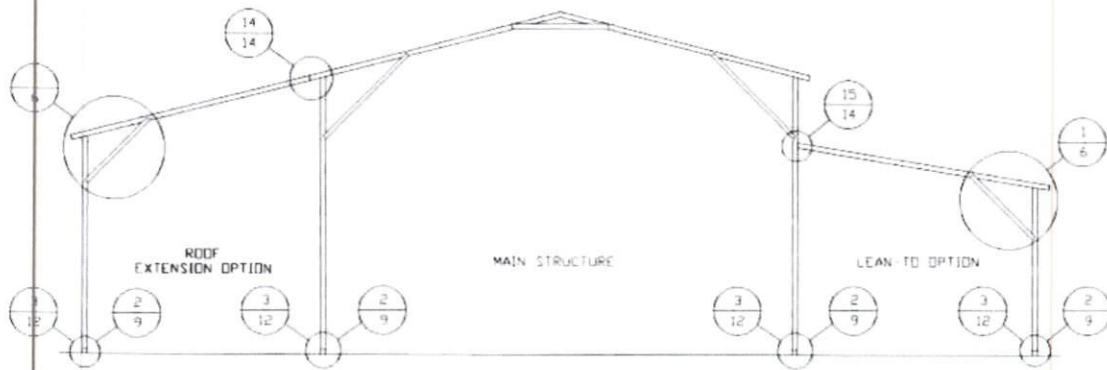
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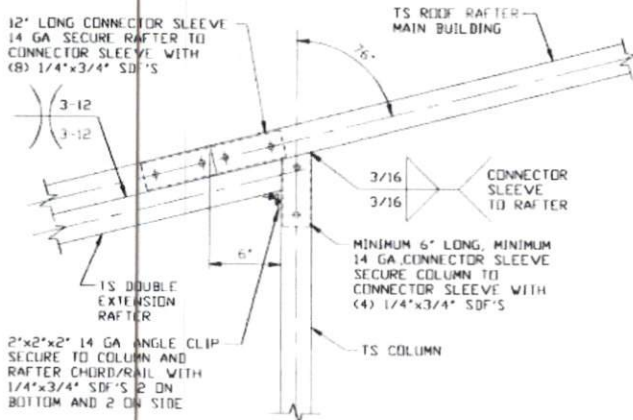
# BOX EAVE RAFTER LEAN-TO OPTIONS



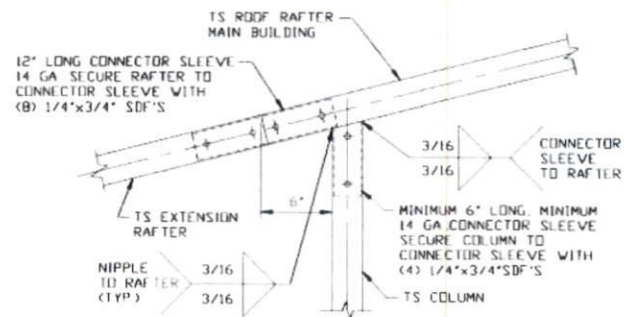
## TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

SCALE: NTS

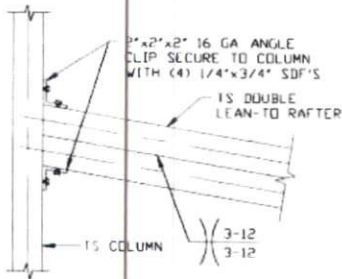
MAXIMUM WIDTH OF SINGLE TS ROOF EXTENSION LEAN-TO IS 12'-0"  
 MAXIMUM WIDTH OF DOUBLE TS ROOF EXTENSION LEAN-TO IS 16'-0"  
 MAXIMUM SINGLE COLUMN HEIGHT FOR MAIN BUILDING WITH ROOF EXTENSION LEAN-TO ATTACHED IS 8'-0"  
 FOR COLUMN CONFIGURATIONS REFERENCE RAFTER COLUMN CONNECTION DETAILS.



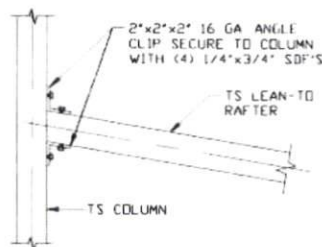
**14** SIDE EXTENSION RAFTER/  
COLUMN DETAIL FOR RAFTER  
SPANS 12'-0" < TO < 16'-0"  
SCALE: NTS



**14A** SIDE EXTENSION RAFTER/  
COLUMN DETAIL FOR  
RAFTER SPANS < 12'-0"  
SCALE: NTS



**15** LEAN-TO RAFTER  
TO RAFTER POST  
CONNECTION DETAIL  
FOR WIDTHS  
12'-0" < TO < 16'-0"  
SCALE: NTS



**15A** LEAN-TO RAFTER  
TO RAFTER POST  
CONNECTION DETAIL  
FOR WIDTHS < 12'-0"  
SCALE: NTS

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

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CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: SBSI

STEEL BUILDINGS AND STRUCTURES, INC.  
 P.O. BOX 1287,  
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 30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 12-11-20

SCALE: NTS

SHT. 14

DWG. NO: SK-3

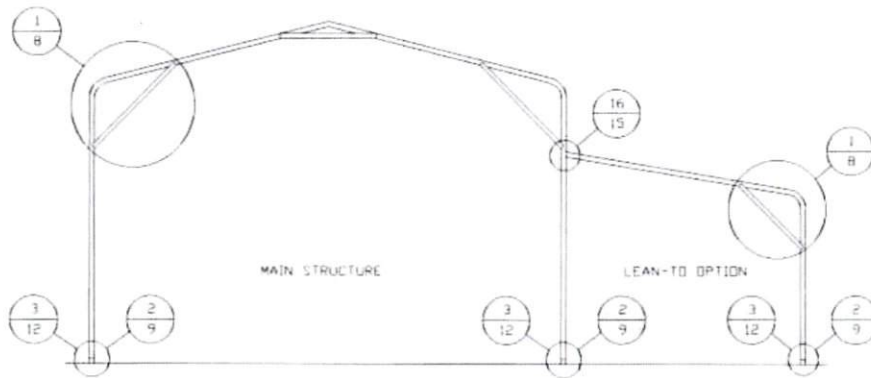
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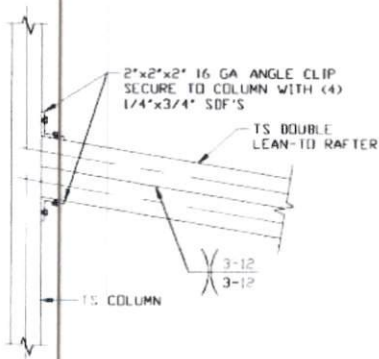


# BOW EAVE RAFTER LEAN-TO OPTIONS

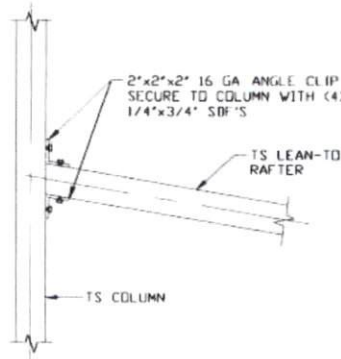


## TYPICAL BOW EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION

SCALE: NTS  
 MAXIMUM WIDTH OF SINGLE TS ROOF EXTENSION LEAN-TO IS 12'-0"  
 MAXIMUM WIDTH OF DOUBLE TS ROOF EXTENSION LEAN-TO IS 16'-0"  
 MAXIMUM SINGLE COLUMN HEIGHT FOR MAIN BUILDING WITH ROOF EXTENSION LEAN-TO ATTACHED IS 8'-0"  
 FOR COLUMN CONFIGURATIONS REFERENCE RAFTER COLUMN CONNECTION DETAILS



**16** LEAN-TO RAFTER TO RAFTER POST CONNECTION DETAIL FOR WIDTHS 12'-0" < TO ≤ 16'-0"  
 SCALE: NTS



**16A** LEAN-TO RAFTER TO RAFTER POST CONNECTION DETAIL FOR WIDTHS ≤ 12'-0"  
 SCALE: NTS

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

DRAWN BY: LT

CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: SBSI

STEEL BUILDINGS AND STRUCTURES, INC.  
 P.O. BOX 1287,  
 MOUNT AIRY, NC 27030  
 30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 12-11-20

SHT. 15

SCALE: NTS

DWG. NO: SK-3

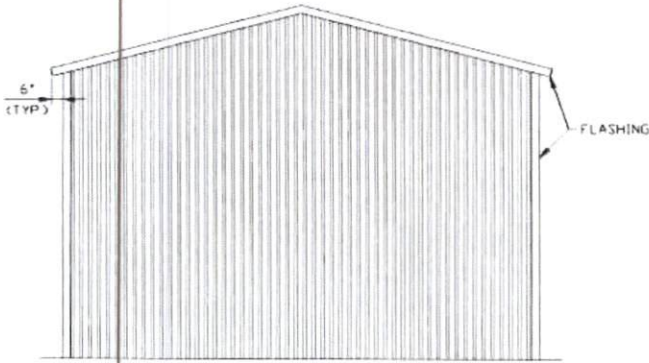
JOB NO: 18068S/18156S  
 18290S/20019S/20324S

REV: 9

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# BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



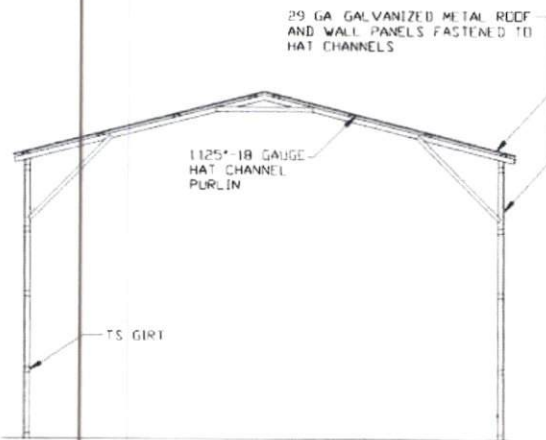
**TYPICAL END ELEVATION  
VERTICAL ROOF/SIDING**

SCALE: NTS



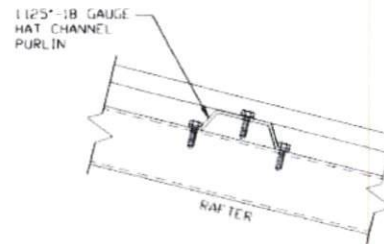
**TYPICAL SIDE ELEVATION  
VERTICAL ROOF/SIDING**

SCALE: NTS



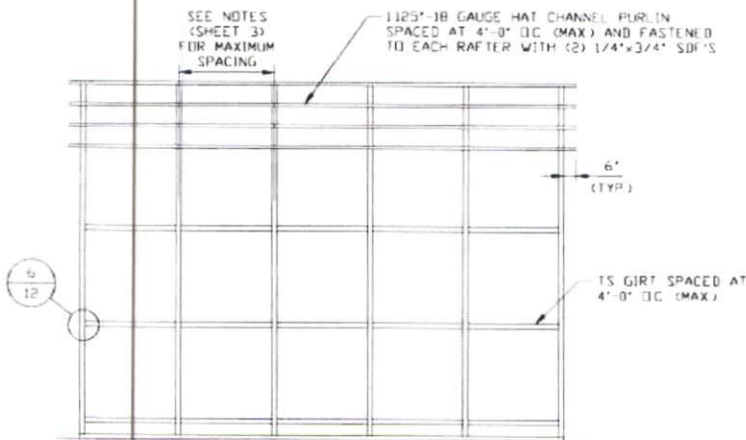
**TYPICAL SECTION  
VERTICAL ROOF/SIDING OPTION**

SCALE: NTS



**PANEL ATTACHMENT**

(ALTERNATE FOR VERTICAL ROOF PANELS)  
SCALE: NTS



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

SCALE: NTS

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P.O. BOX 1287,  
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30'-0" x 20'-0" ENCLOSED STRUCTURE

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SCALE: NTS

JOB NO: 18068S/18156S  
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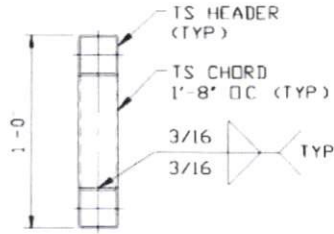
SHT. 16

DWG. NO: SK-3

REV: 9

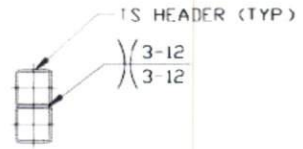
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## SIDE WALL HEADER OPTIONS



**LACED HEADER DETAIL FOR DOOR OPENINGS 12'-0" < LENGTH ≤ 20'-0"**

SCALE: NTS



**DOUBLE HEADER DETAIL FOR DOOR OPENINGS 7'-0" < LENGTH ≤ 12'-0"**

SCALE: NTS



**SINGLE HEADER DETAIL FOR DOOR OPENINGS LENGTH < 7'-0"**

SCALE: NTS

## END WALL HEADER OPTIONS



**SINGLE HEADER DETAIL FOR DOOR OPENINGS LENGTH < 12'-0"**

SCALE: NTS

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P.O. BOX 1287,

MOUNT AIRY, NC 27030

30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 12-11-20

SCALE: NTS

SHT. 17

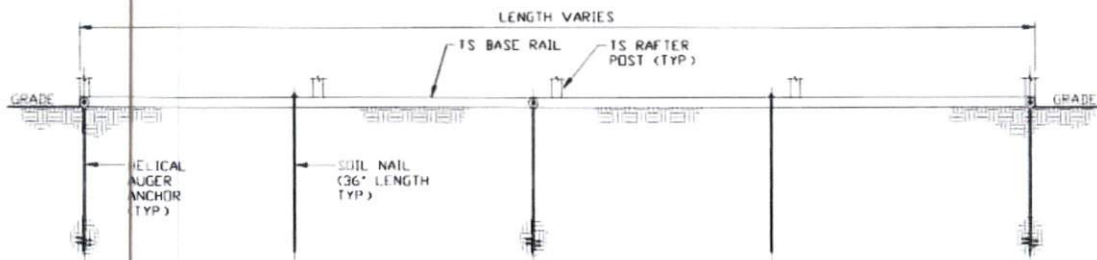
DWG. NO: SK-3

JOB NO: 18068S/18156S  
18290S/20019S/20324S

REV: 9

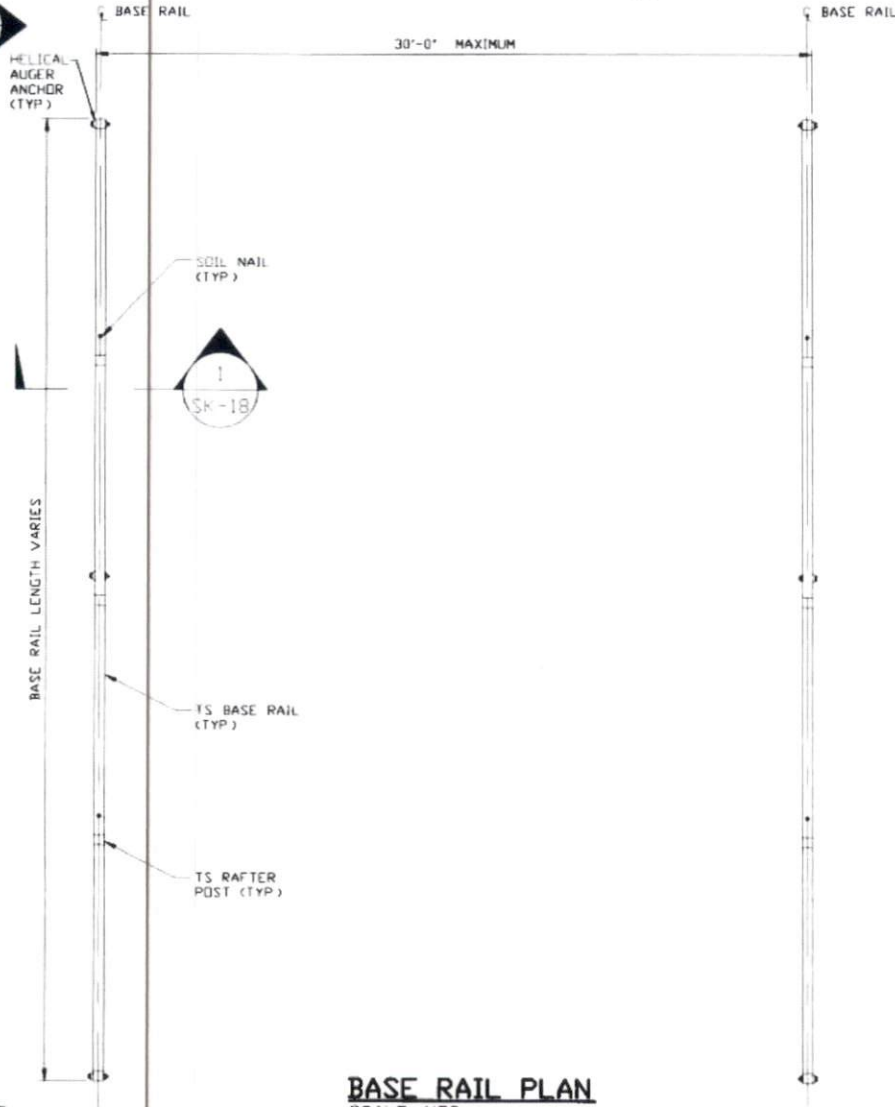
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# OPTIONAL BASE RAIL ON GRADE APPLICATION

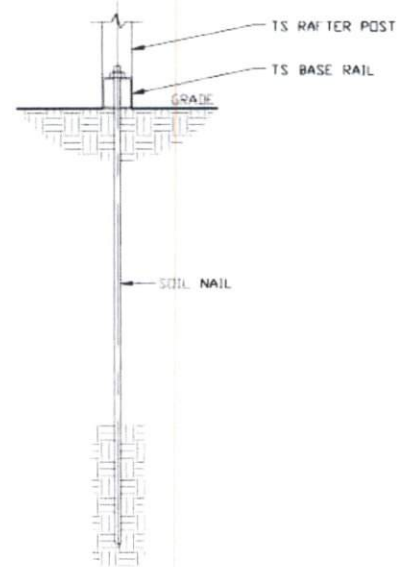


**SECTION 2**  
SCALE: NTS

2  
SK-18



**BASE RAIL PLAN**  
SCALE: NTS



**SECTION 1**  
SCALE: NTS

HELIX ANCHOR	
SIDE LENGTH	MAXIMUM SPACING
VARIES	10'-0" (EVERY OTHER POST)

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

**DRAWN BY:** LT  
**CHECKED BY:** PDH  
**PROJECT MGR:** WSM  
**CLIENT:** SBSI

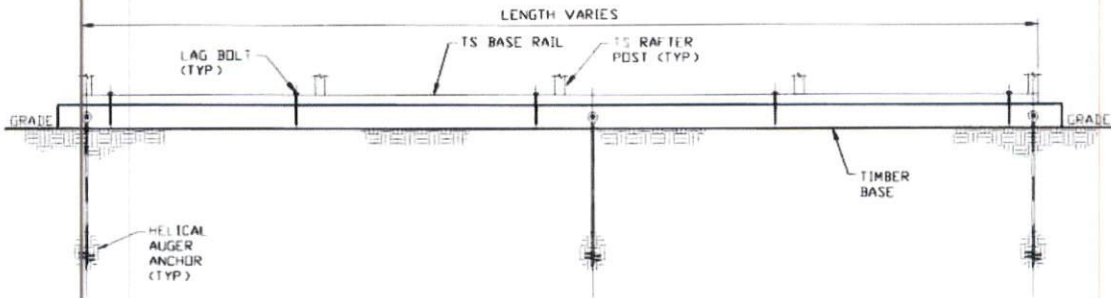
STEEL BUILDINGS AND STRUCTURES, INC.  
P.O. BOX 1287,  
MOUNT AIRY, NC 27030  
30'-0" x 20'-0" ENCLOSED STRUCTURE

<b>DATE:</b> 12-11-20	<b>SCALE:</b> NTS	<b>JOB NO:</b> 18068S/18156S	<b>18290S/20019S/20324S</b>
<b>SHT.</b> 18	<b>DWG. NO:</b> SK-3	<b>REV.</b> 9	

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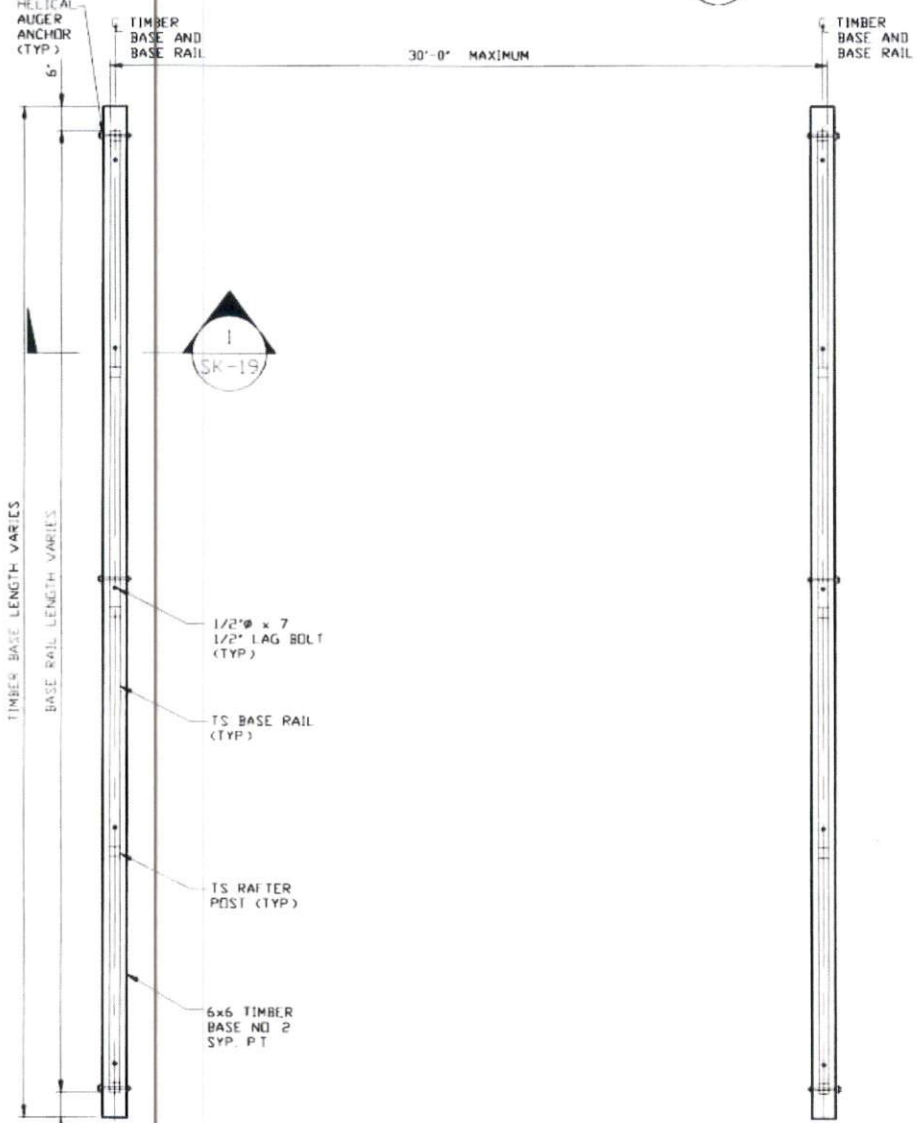


# OPTIONAL BASE RAIL ON TIMBER BEAM

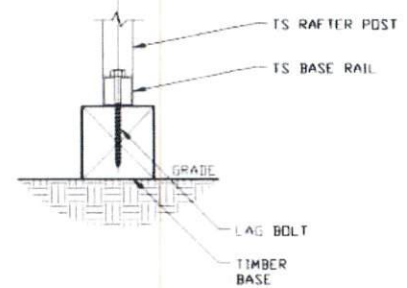


**SECTION 2**  
SCALE: NTS

2  
SK-19



**TIMBER FOOTING PLAN**  
SCALE: NTS



**SECTION 1**  
SCALE: NTS

HELIX ANCHOR	
SIDE LENGTH	MAXIMUM SPACING
VARIES	10'-0" (EVERY OTHER POST)

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

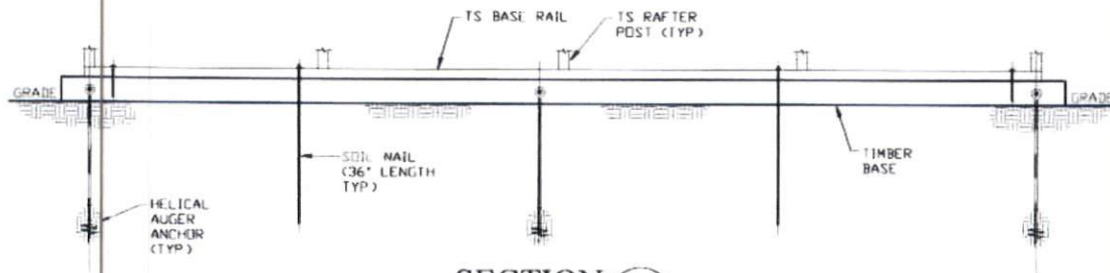
**DRAWN BY:** LT  
**CHECKED BY:** PDM  
**PROJECT MGR:** WSM  
**CLIENT:** SBSI

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P.O. BOX 1287,  
MOUNT AIRY, NC 27030  
30'-0" x 20'-0" ENCLOSED STRUCTURE

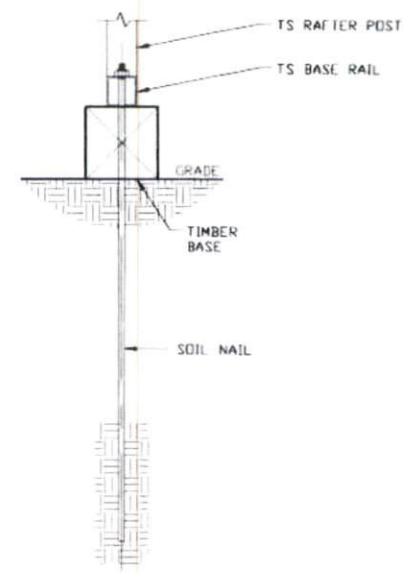
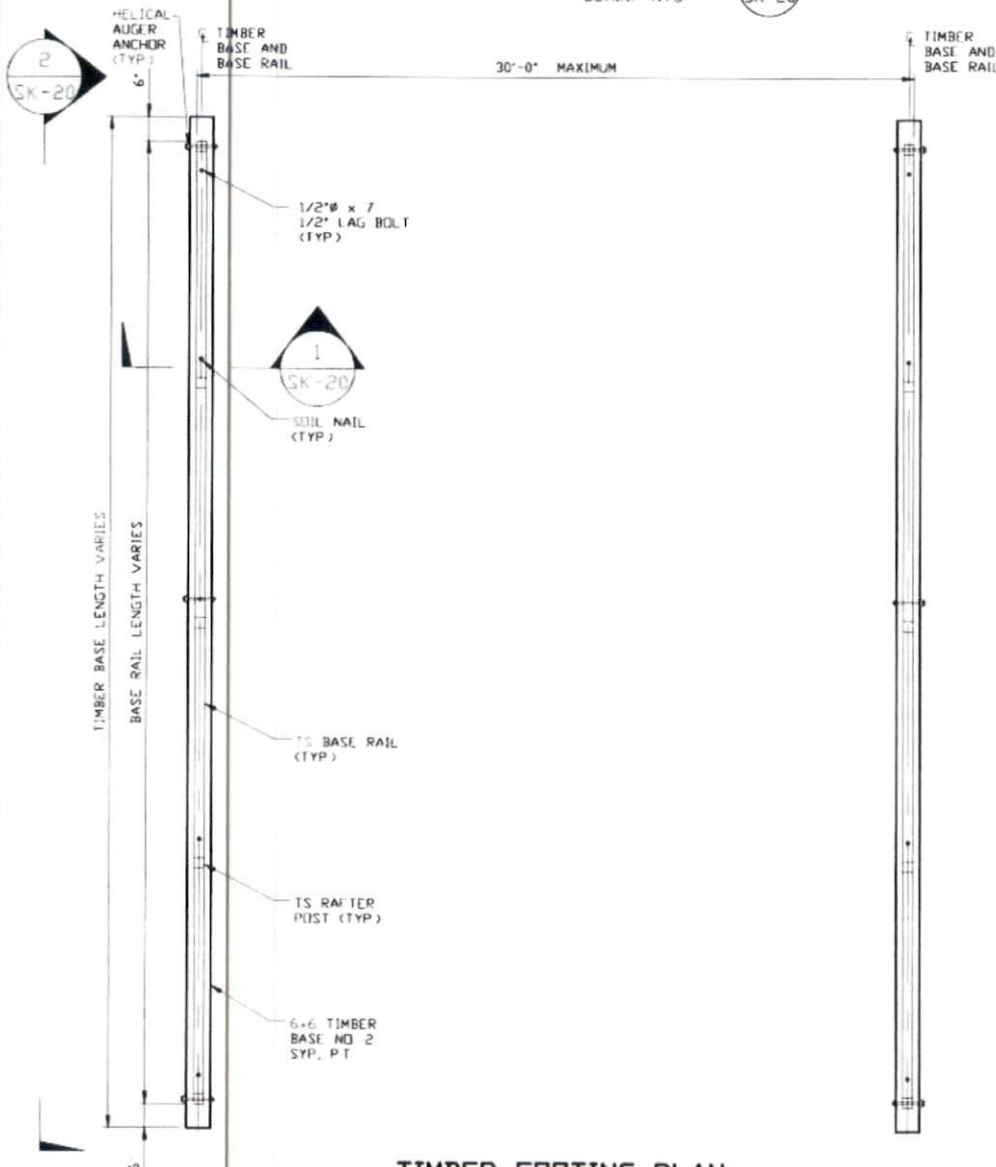
**DATE:** 12-11-20    **SCALE:** NTS    **JOB NO:** 18068S/18156S  
18290S/20019S/20324S  
**SHT.** 19    **DWG. NO:** SK-3    **REV.:** 9

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# OPTIONAL BASE RAIL ON TIMBER BEAM WITH SOIL NAIL



SECTION 2  
SCALE: NTS



SECTION 1  
SCALE: NTS

TIMBER FOOTING PLAN  
SCALE: NTS

HELIX ANCHOR	
SIDE LENGTH	MAXIMUM SPACING
VARIES	10'-0" (EVERY OTHER POST)

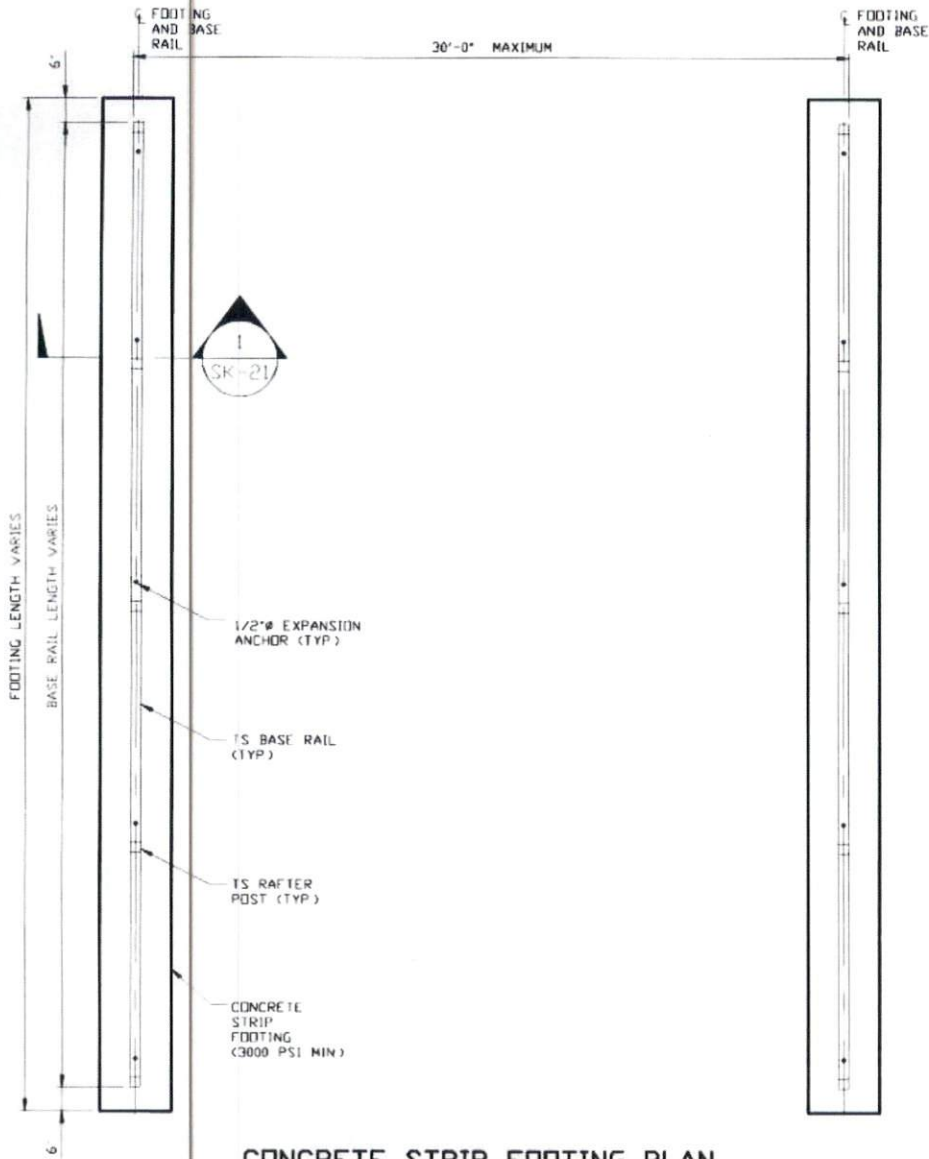
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DRAWN BY: LT  
CHECKED BY: PDH  
PROJECT MGR: WSM  
CLIENT: SBSI

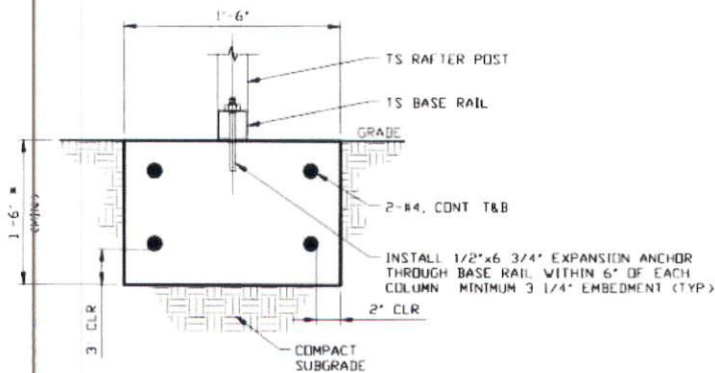
STEEL BUILDINGS AND STRUCTURES, INC.  
P.O. BOX 1287,  
MOUNT AIRY, NC 27030  
30'-0" x 20'-0" ENCLOSED STRUCTURE  
DATE: 12-11-20  
SHT. 20  
JOB NO: 18068S/18156S  
SCALE: NTS  
DWG. NO: SK-3  
REV: 9  
18290S/20019S/20324S

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# OPTIONAL CONCRETE STRIP FOOTING



**CONCRETE STRIP FOOTING PLAN**  
SCALE: NTS



**SECTION 1**  
SCALE: NTS (SK-21)

\* COORDINATE WITH LOCAL CODES/ORD

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

**DRAWN BY: LT**

**CHECKED BY: PDM**

**PROJECT MGR: WSM**

**CLIENT: SBSI**

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30'-0" x 20'-0" ENCLOSED STRUCTURE

**DATE: 12-11-20**

**SHT. 21**

**SCALE: NTS**

**DWG. NO: SK-3**

**JOB NO: 18068S/18156S  
18290S/20019S/20324S**

**REV: 9**

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