



STRUCTURAL DESIGN ENCLOSED BUILDING

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

14 February 2020

Revision 8

M&A Project No. 16062S/16155S/16207S/17155S/17200S/18068S/18156S/18290S/20019S

Prepared for:

**Steel Buildings and Structures, Inc.
P.O. Box 1287
Mt. Airy, NC 27030**

Prepared by:

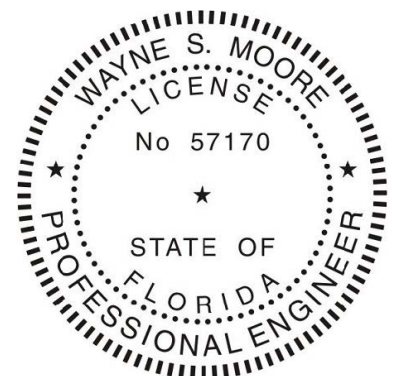
**Moore and Associates Engineering
and Consulting, Inc.**

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

**401 S. Main St., Suite 200
Mt. Airy, NC 27030**

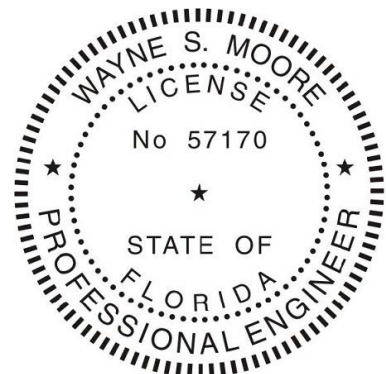


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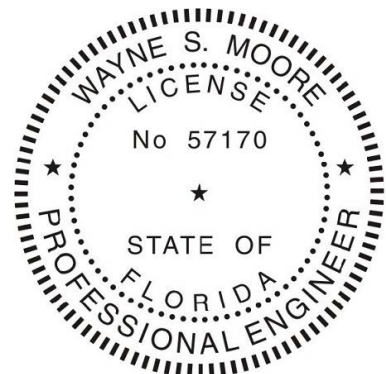
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	CLIENT: SBSI	SHT. 1	DWG. NO: SK-3	REV: 8



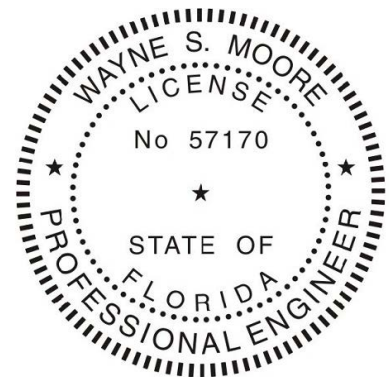
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	CLIENT: SBSI	SHT. 1A	DWG. NO: SK-3	REV: 0

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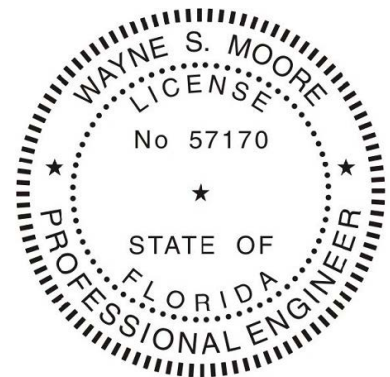
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INSTALLATION NOTES AND SPECIFICATIONS

- 1 DESIGN IS FOR MAXIMUM 30'-0" WIDE x 20'-0" EAVE HEIGHT ENCLOSED STRUCTURES.
- 2 DESIGN WAS DONE IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE (FBC) 6TH 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 ($26'-0" < W \leq 30'-0"$)

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 = 50 FEET (UNLESS NOTED OTHERWISE).
6. END WALL COLUMNS (POSTS) ARE EQUIVALENT TO SIDE WALL POSTS IN SIZE AND SPACING (UNLESS NOTED OTHERWISE)
7. RISK CATEGORY I.
8. WIND EXPOSURE CATEGORY B.
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 I
 - R = 3.25 $I_E = 1.0$
 - $S_{DS} = 2.039 g$ $V = C_S W$
 - $S_{D1} = 1.258 g$
15. WINDOW AND DOOR DESIGN PRESSURES ARE APPLICABLE TO THE STATE OF FLORIDA ONLY

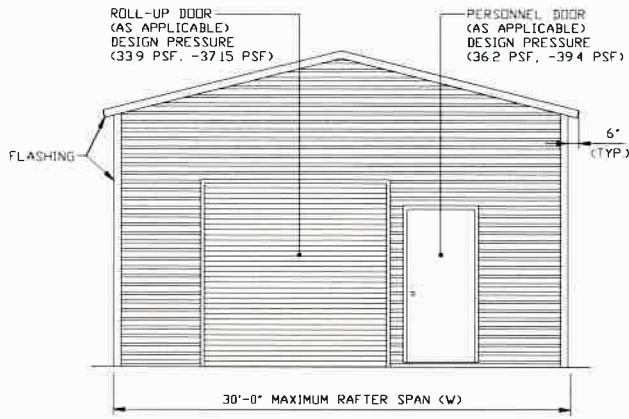


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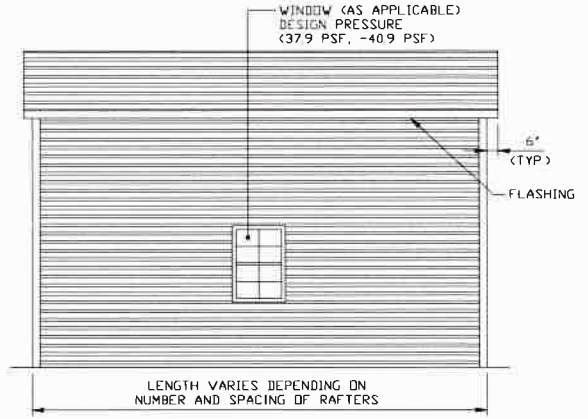
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BOX EAVE FRAME RAFTER STRUCTURE



TYPICAL END ELEVATION

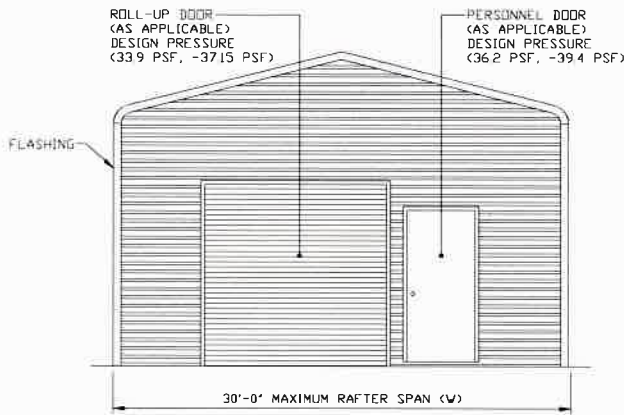
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TYPICAL SIDE ELEVATION

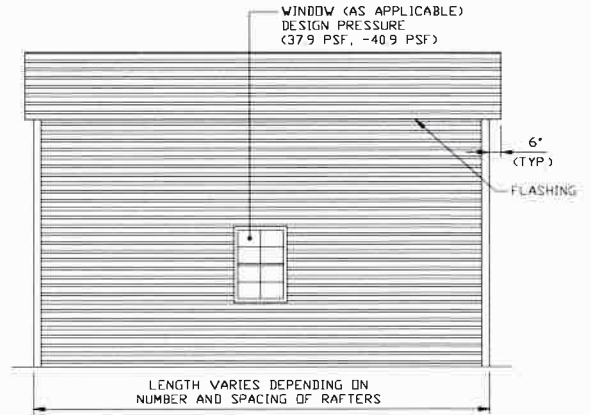
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BOW EAVE FRAME RAFTER STRUCTURE



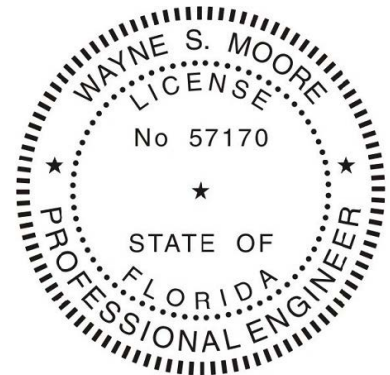
TYPICAL END ELEVATION

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TYPICAL SIDE ELEVATION

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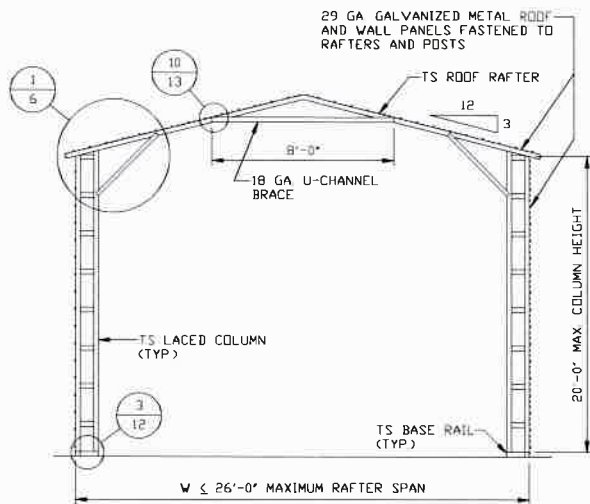
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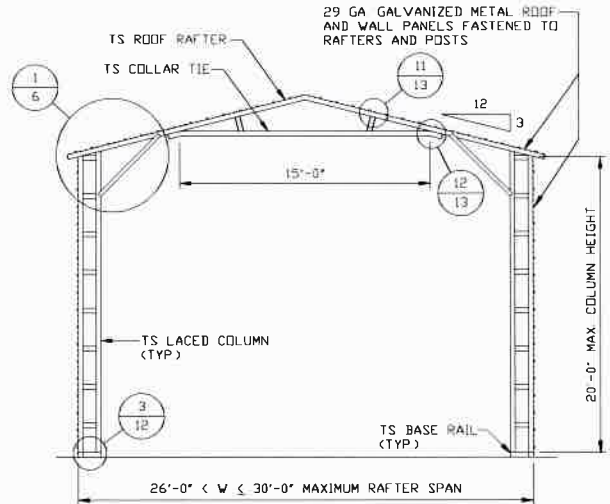
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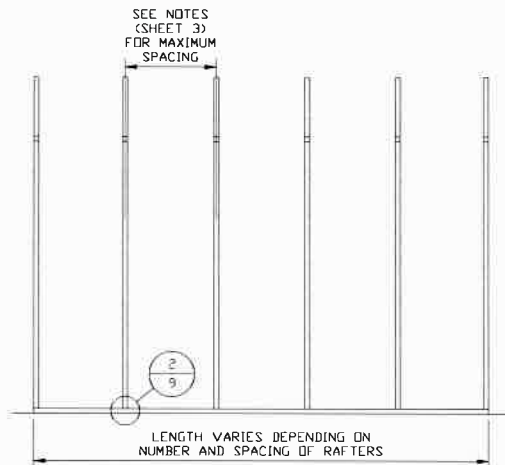
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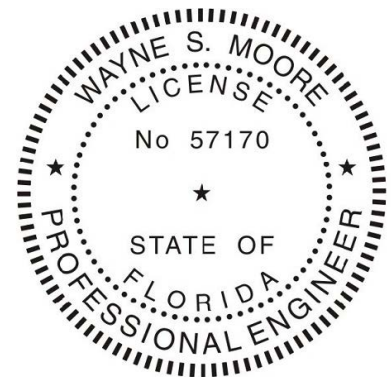
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SHT. 5

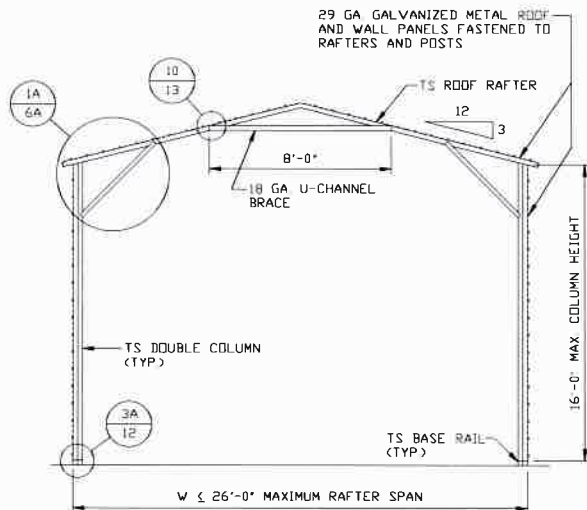
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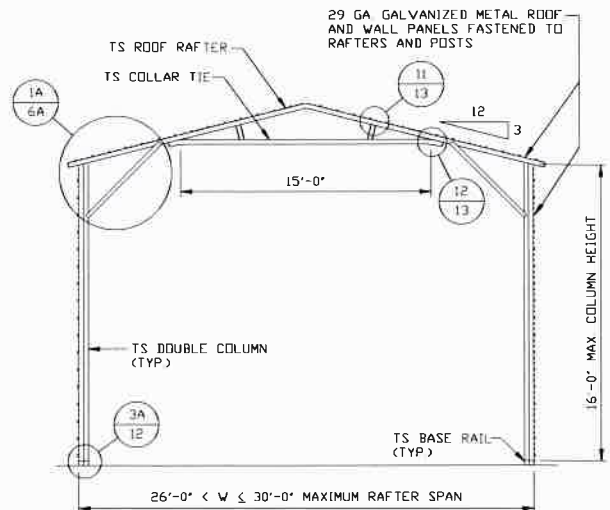
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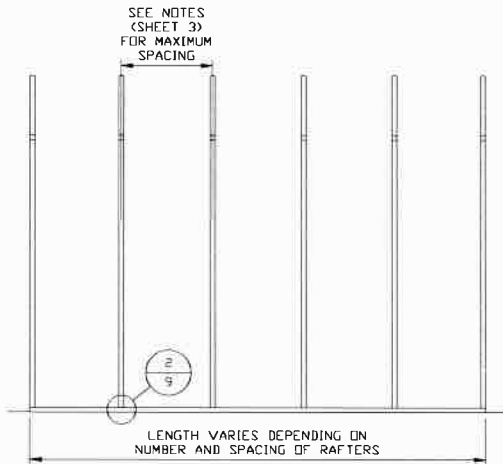
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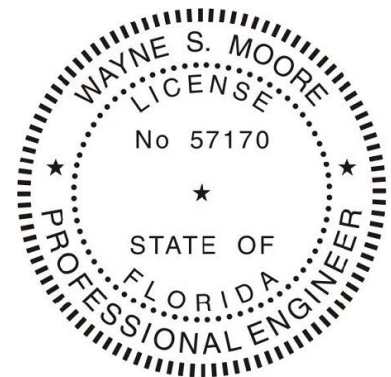
TYPICAL RAFTER/COLUMN FRAME SECTION
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TYPICAL RAFTER/COLUMN FRAME SECTION
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TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION
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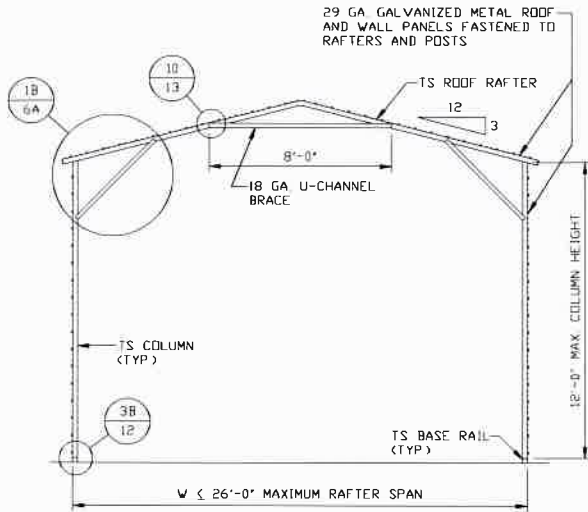
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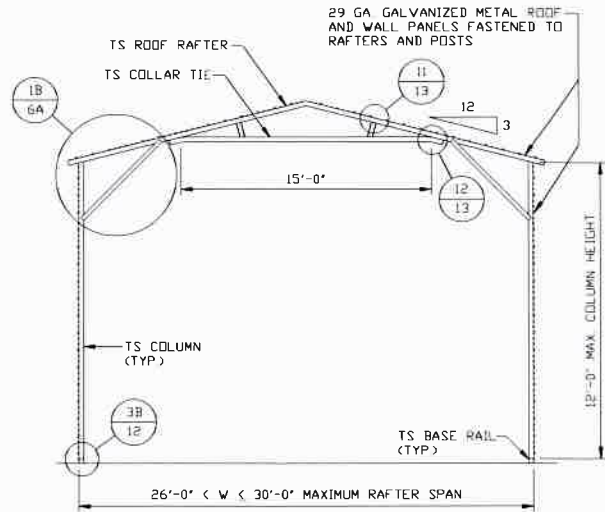
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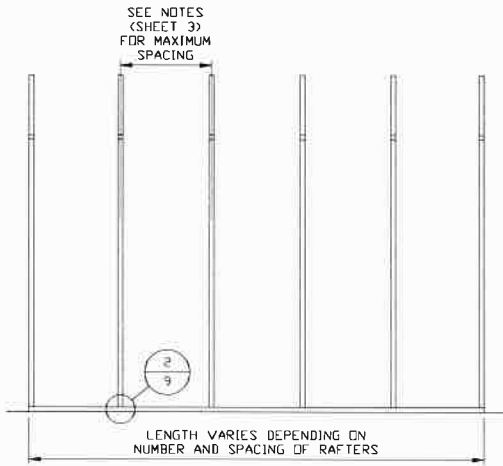
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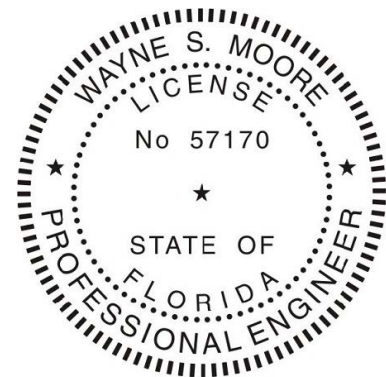
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TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

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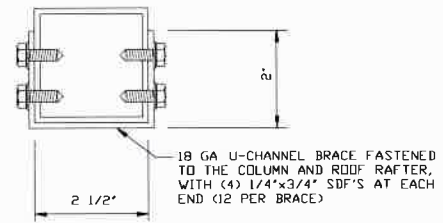
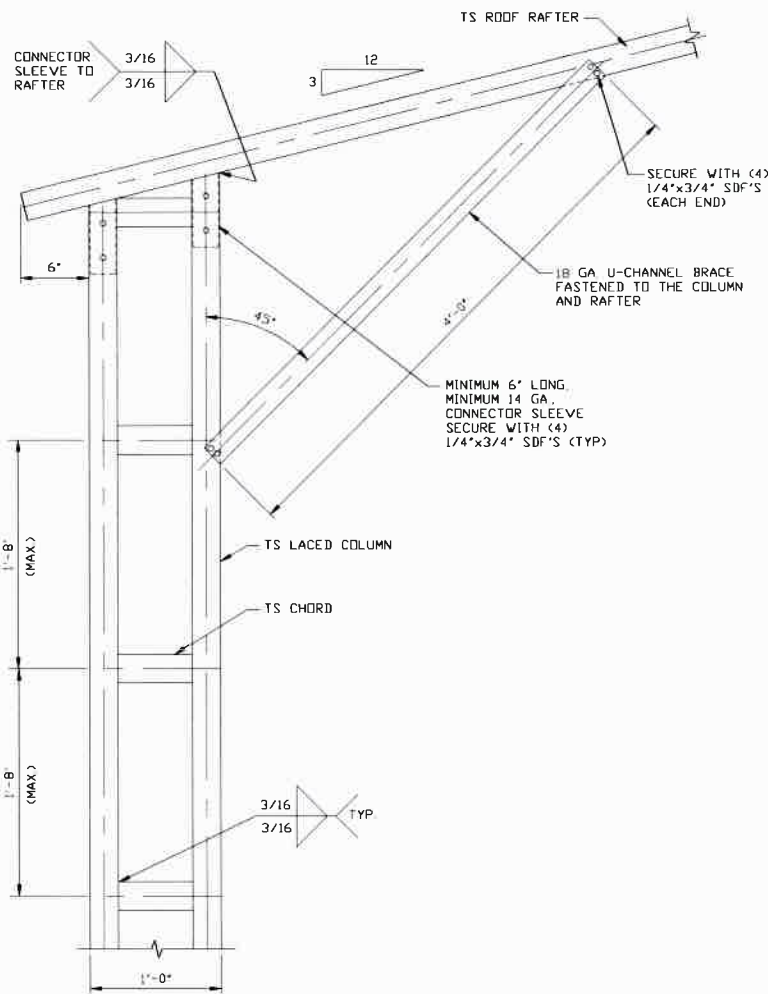
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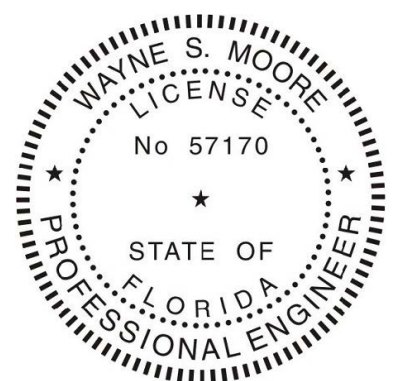
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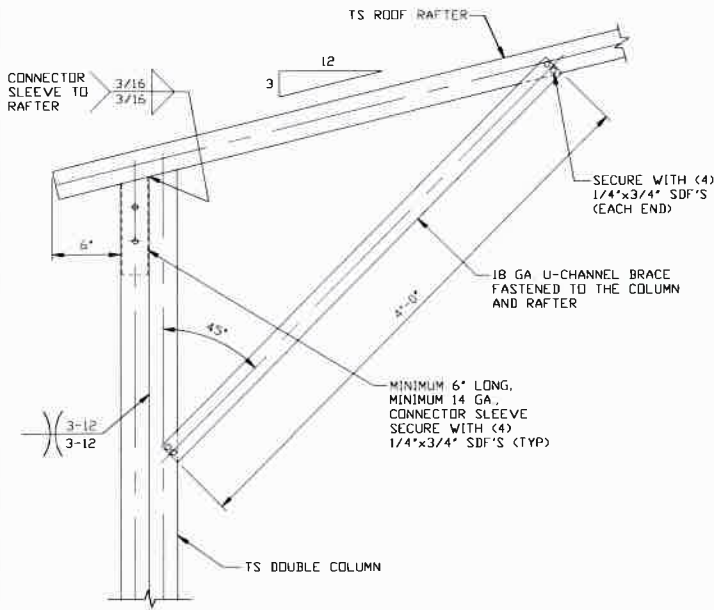
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BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL
FOR HEIGHTS 16'-0" < TO ≤ 20'-0"
SCALE: NTS



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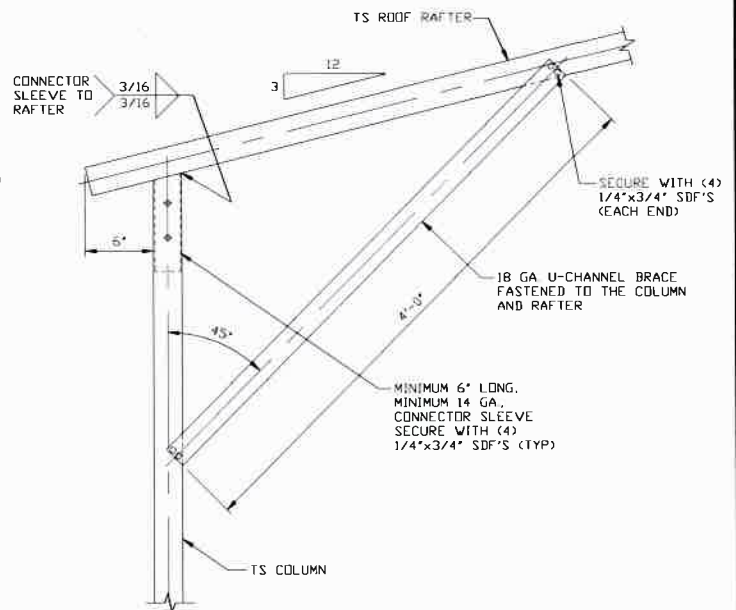
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BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL FOR HEIGHTS 12'-0" < TO <= 16'-0"

1A

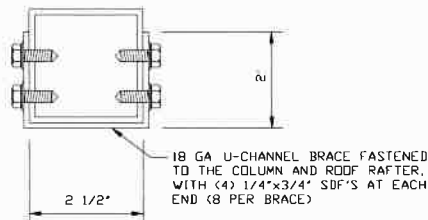
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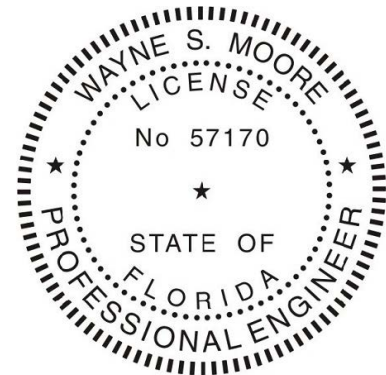
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BRACE SECTION

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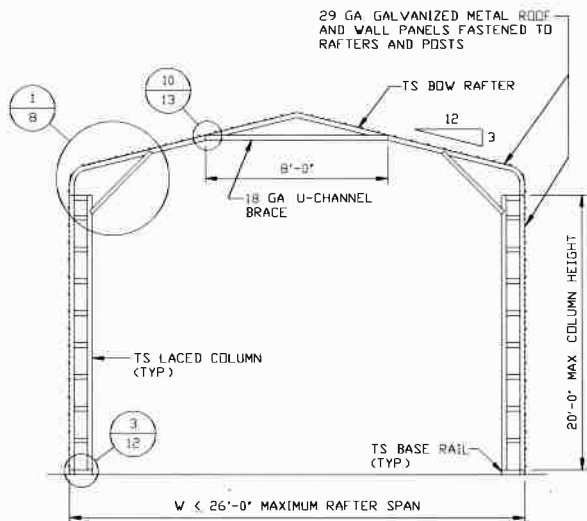
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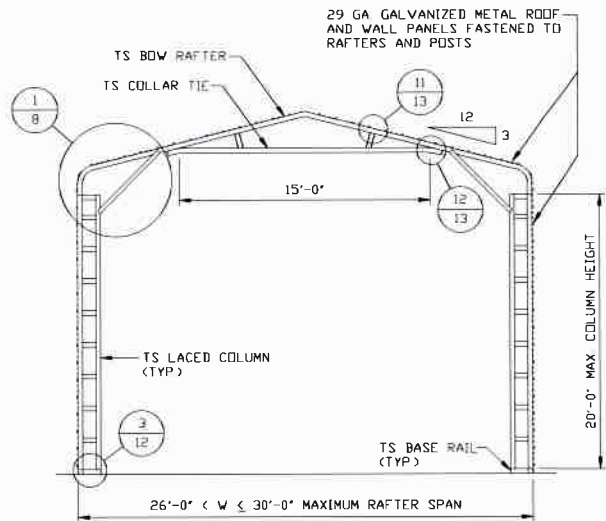
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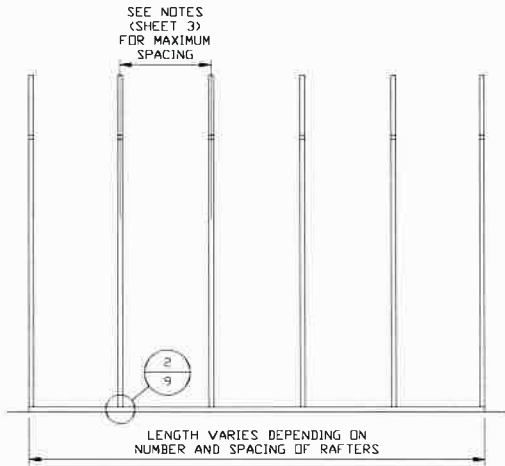
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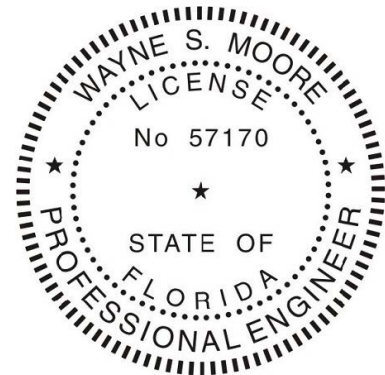
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30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 2-14-20

SHT. 7

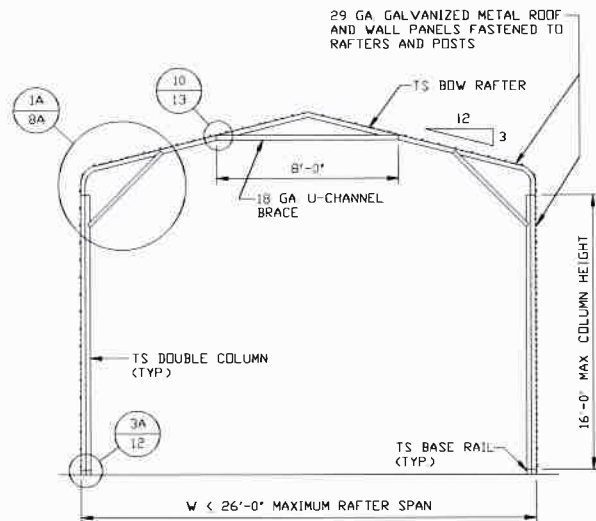
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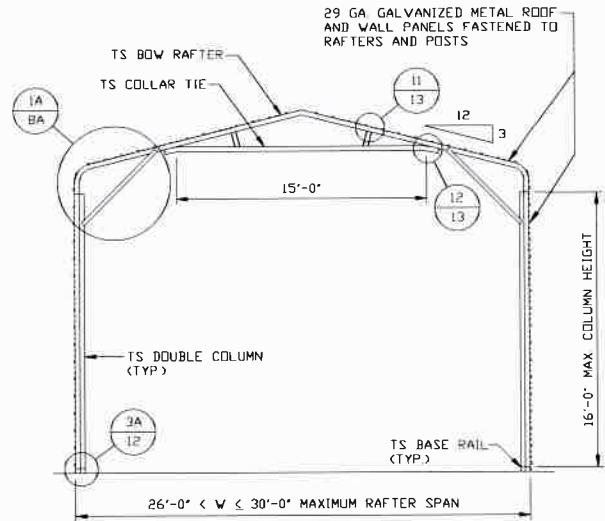
**JOB NO: 18068S
18156S/18290S/20019S**

REV: 8

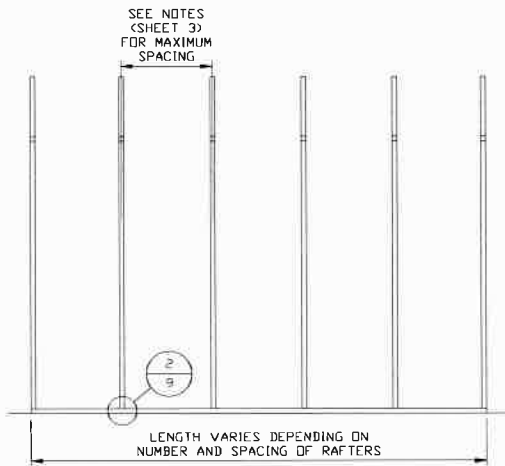
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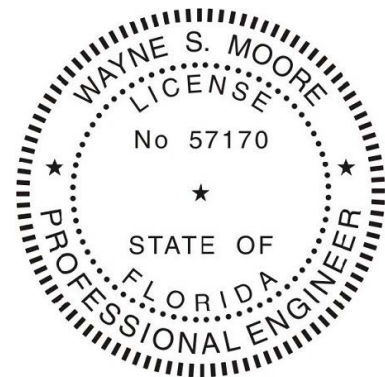
TYPICAL RAFTER/COLUMN FRAME SECTION
SCALE: NTS



TYPICAL RAFTER/COLUMN FRAME SECTION
SCALE: NTS



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION
SCALE: NTS



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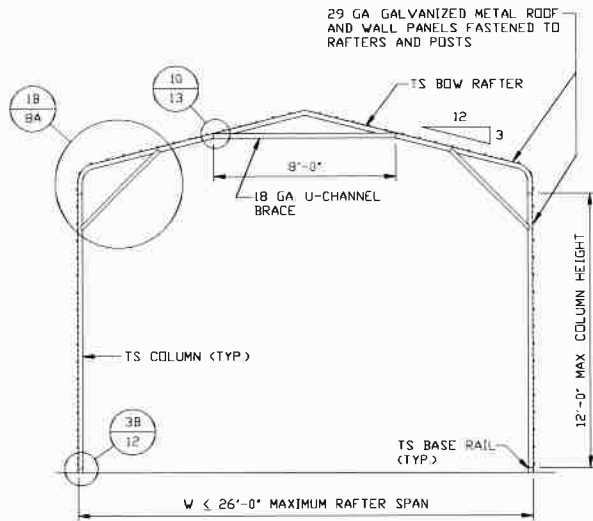
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PROJECT MGR: WSM
CLIENT: SBSI

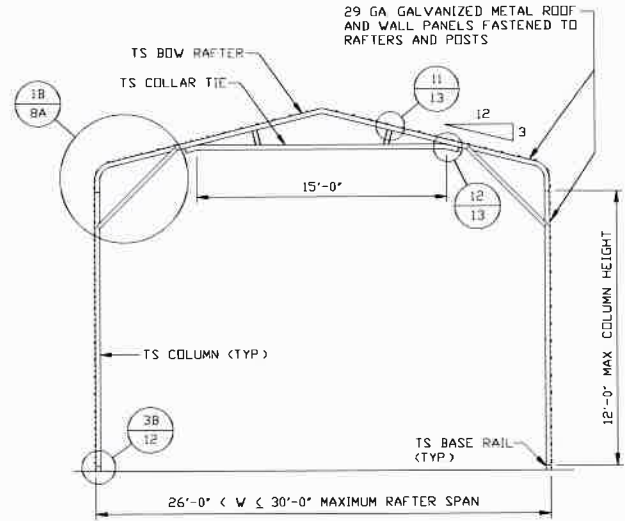
STEEL BUILDINGS AND STRUCTURES, INC.
P.O. BOX 1287,
MOUNT AIRY, NC 27030
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 2-14-20
SCALE: NTS
JOB NO: 18068S
18156S/18290S/20019S
SHT. 7A
DWG. NO: SK-3
REV: 8

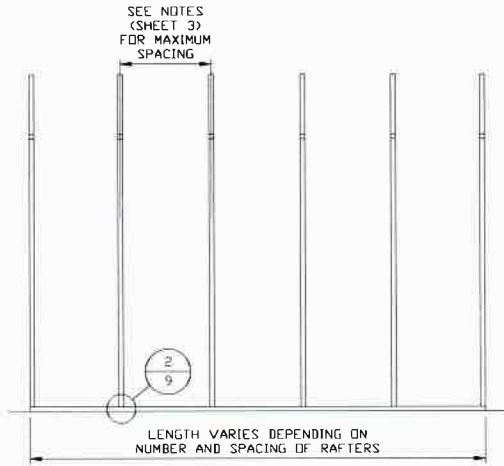
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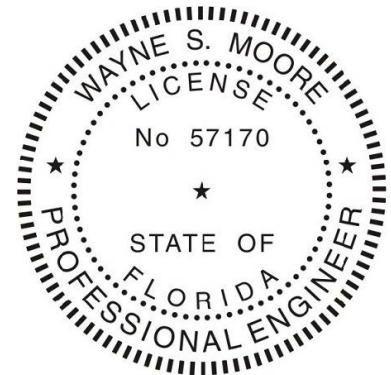
TYPICAL RAFTER/COLUMN FRAME SECTION
SCALE: NTS



TYPICAL RAFTER/COLUMN FRAME SECTION
SCALE: NTS



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION
SCALE: NTS



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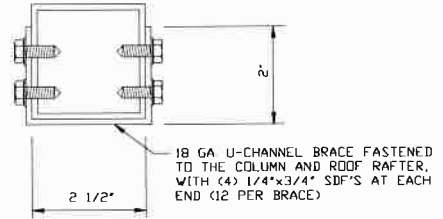
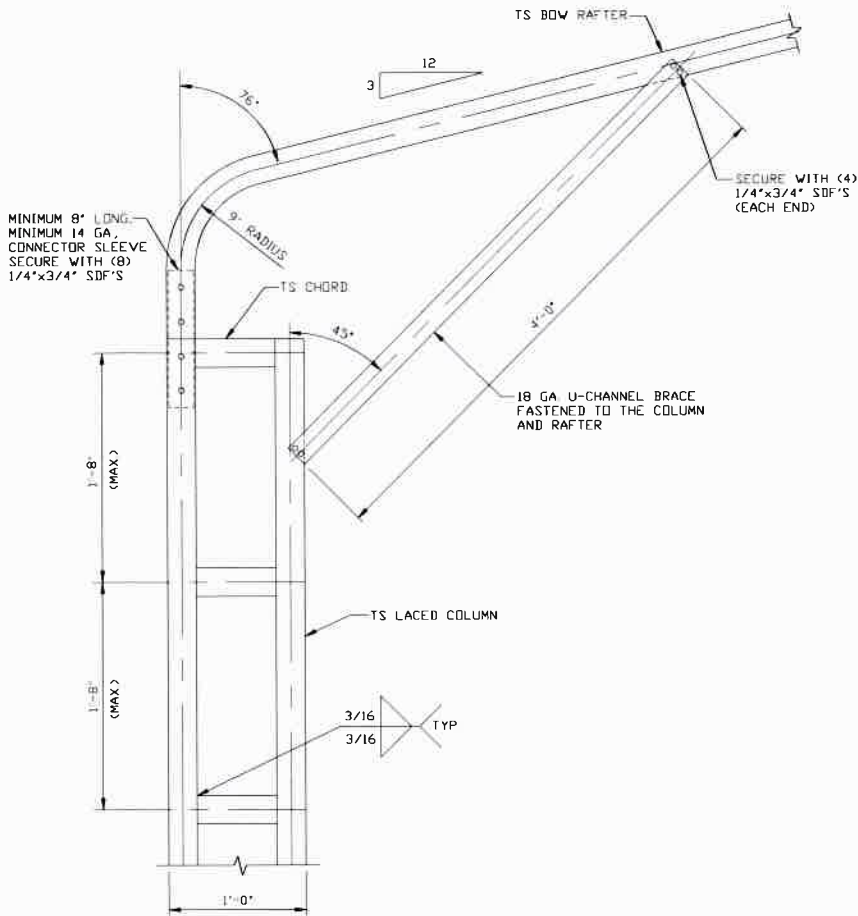
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30'-0"x20'-0" ENCLOSED STRUCTURE
DATE: 2-14-20
SCALE: NTS
JOB NO: 18068S
18156S/18290S/20019S
SHT. 7B
DWG. NO: SK-3
REV: 8

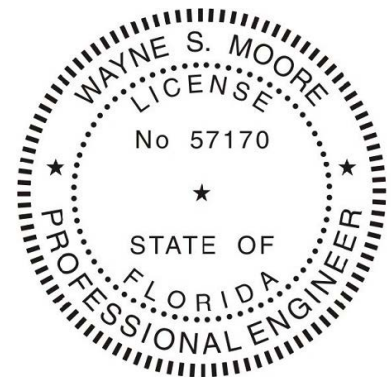
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BRACE SECTION

SCALE: NTS

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



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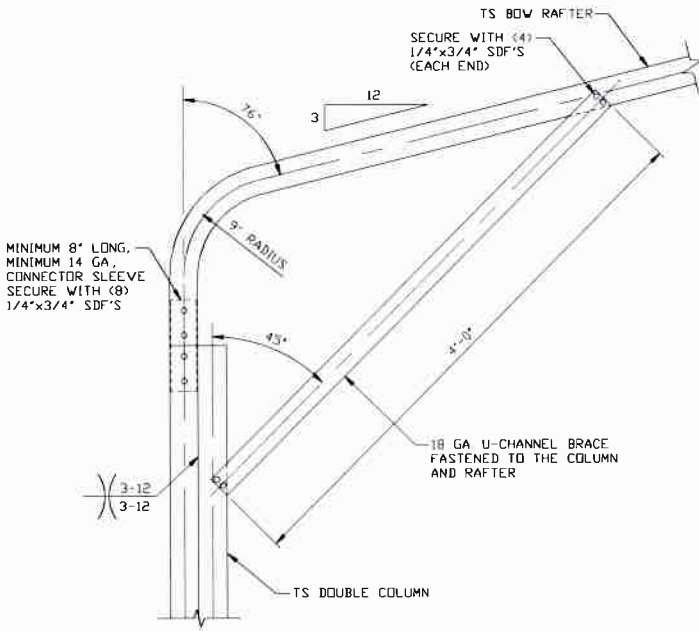
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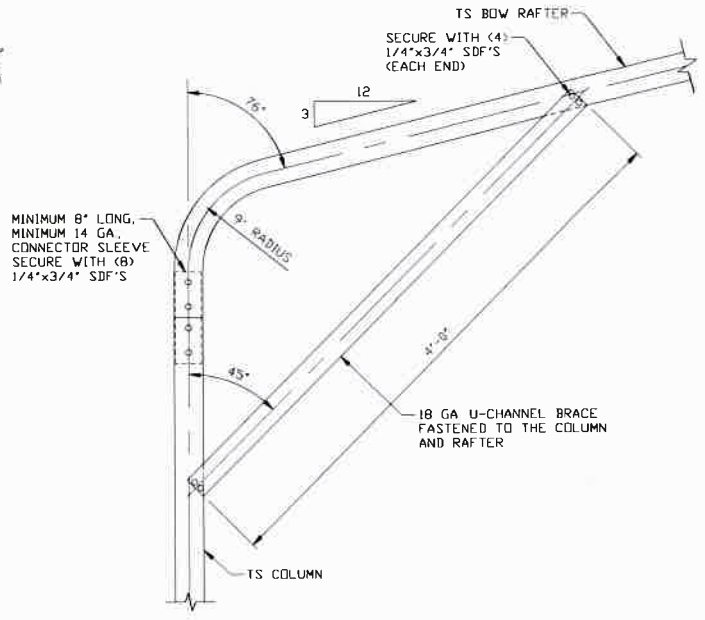
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SHT. 8 **DWG. NO: SK-3** **REV: 8**
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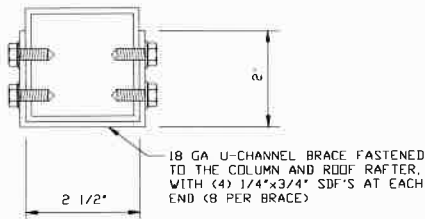
1A BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL FOR HEIGHTS 12'-0" < TO < 16'-0"

SCALE: NTS



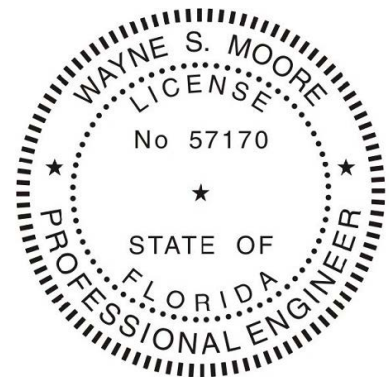
1B BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL FOR HEIGHTS <= 12'-0"

SCALE: NTS



BRACE SECTION

SCALE: NTS



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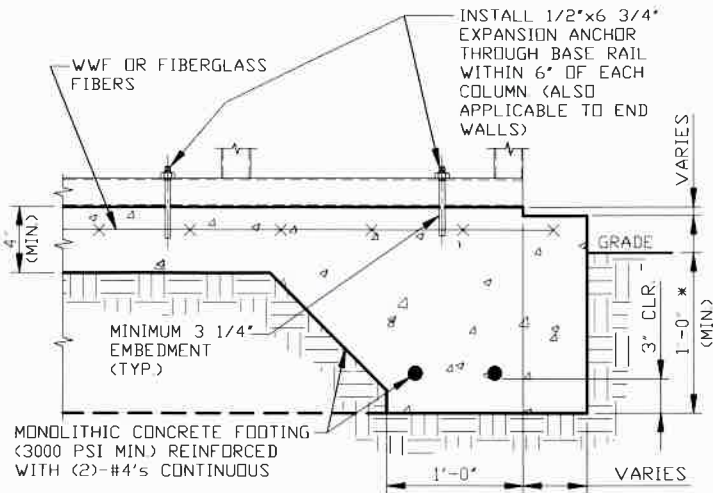
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CLIENT: SBSI

DATE: 2-14-20
SHT. 8A

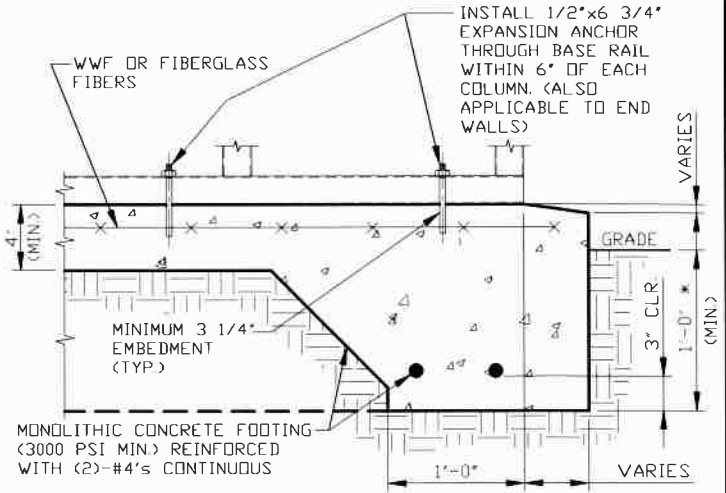
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DWG. NO: SK-3

JOB NO: 18068S
18156S/18290S/20019S
REV: 8

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 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:

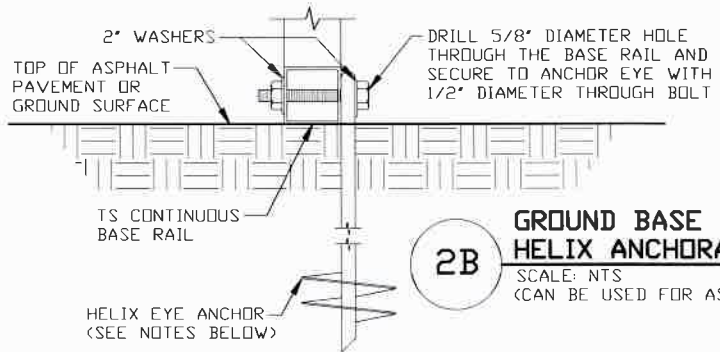
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

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

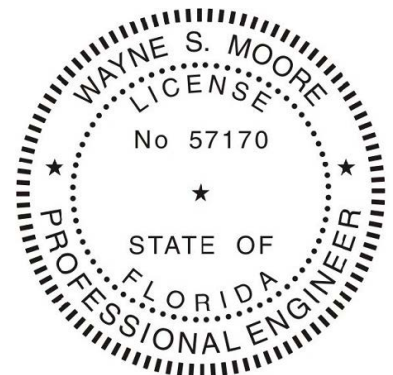
- 1 REINFORCEMENT IS BENT COLD.
- 2 THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS
- 3 REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT

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 LOSE 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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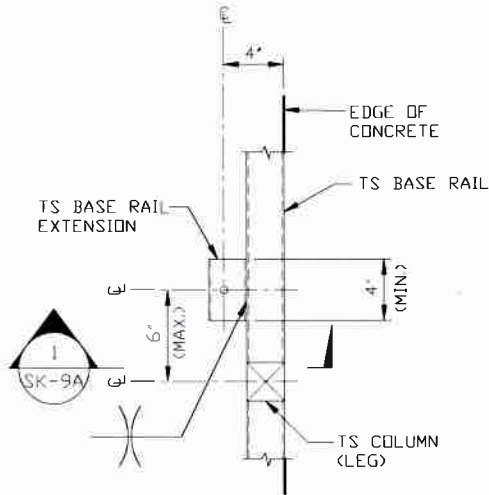
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 30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 2-14-20	SCALE: NTS	JOB NO: 18068S	18156S/18290S/20019S
SHT. 9	DWG. NO. SK-3	REV. 8	

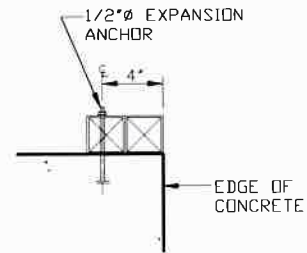
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ADDITIONAL BASE RAIL ANCHORAGE OPTION

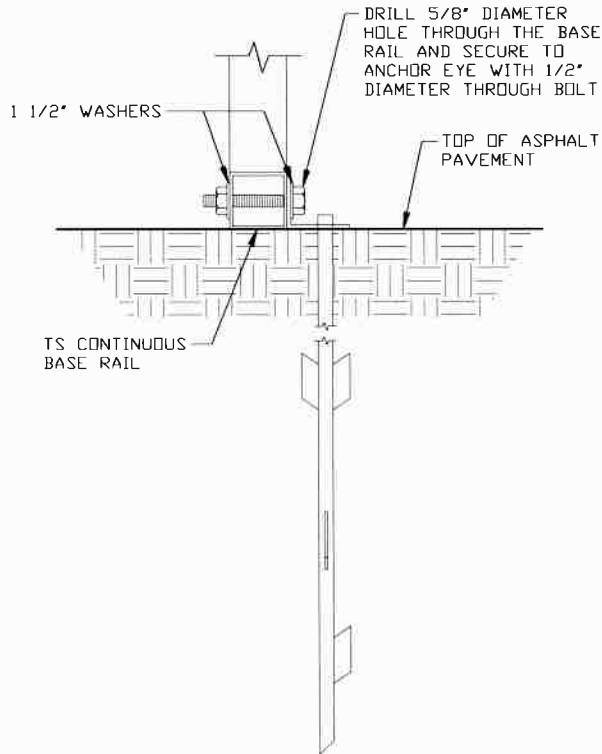


TYPICAL ANCHOR DETAIL WHEN BASE RAIL IS NEAR EDGE OF CONCRETE

SCALE: NTS



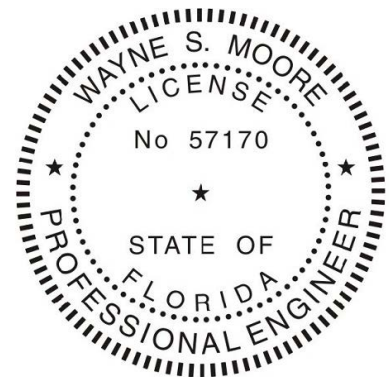
SECTION 1
SCALE: NTS
SK-9A



2C

ASPHALT BASE ANCHORAGE

SCALE: NTS



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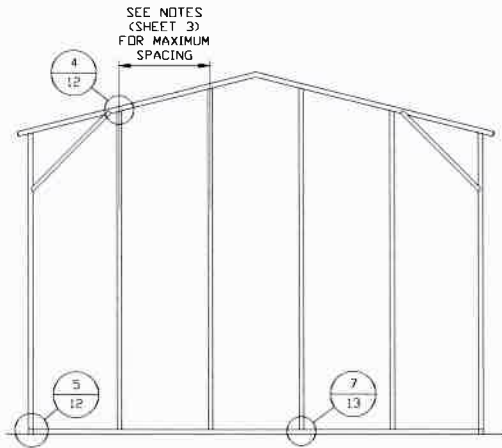
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**JOB NO: 18068S
18156S/18290S/20019S**

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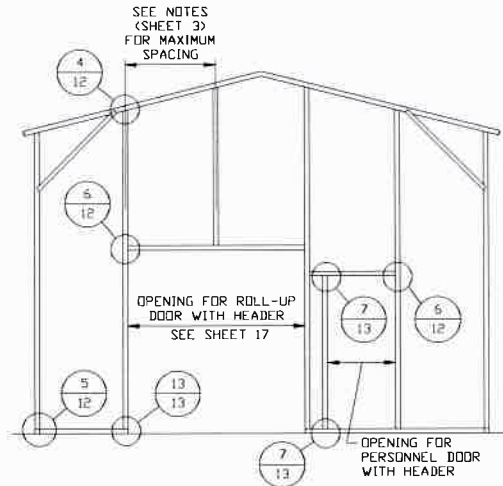
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BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS



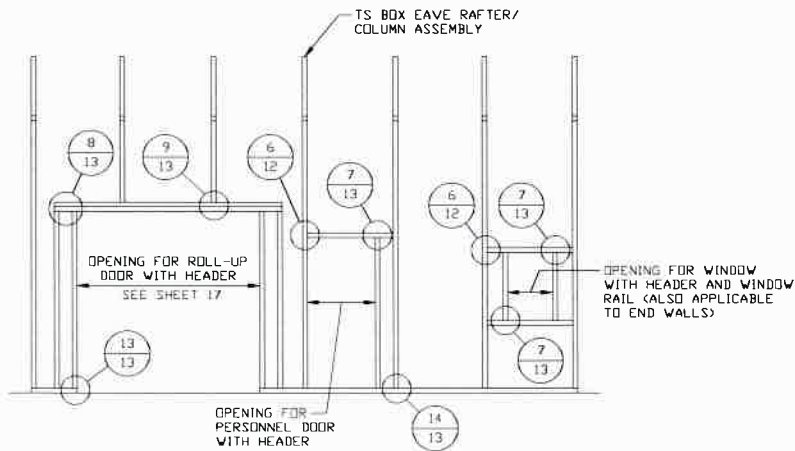
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END WALL FRAMING SECTION**

SCALE: NTS



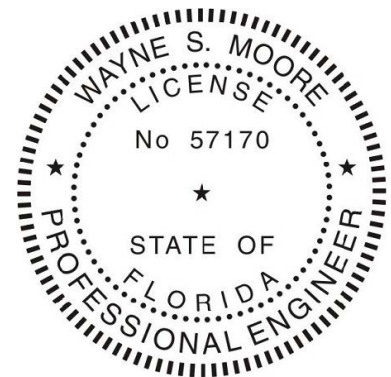
**TYPICAL BOX EAVE RAFTER END
WALL OPENINGS FRAMING SECTION**

SCALE: NTS



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

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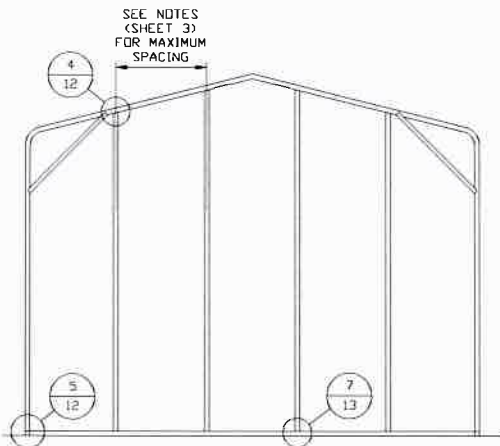
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**JOB NO: 18068S
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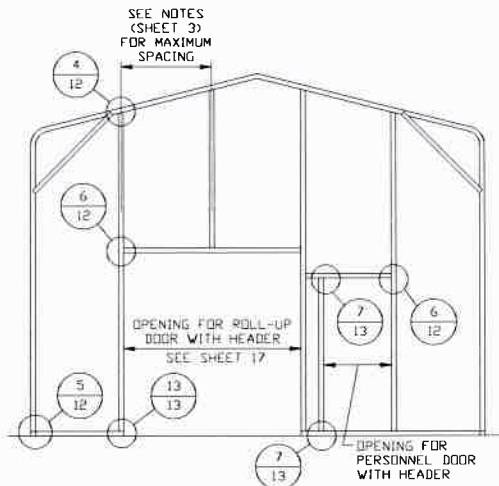
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BOW EAVE RAFTER END WALL AND SIDE WALL OPENINGS



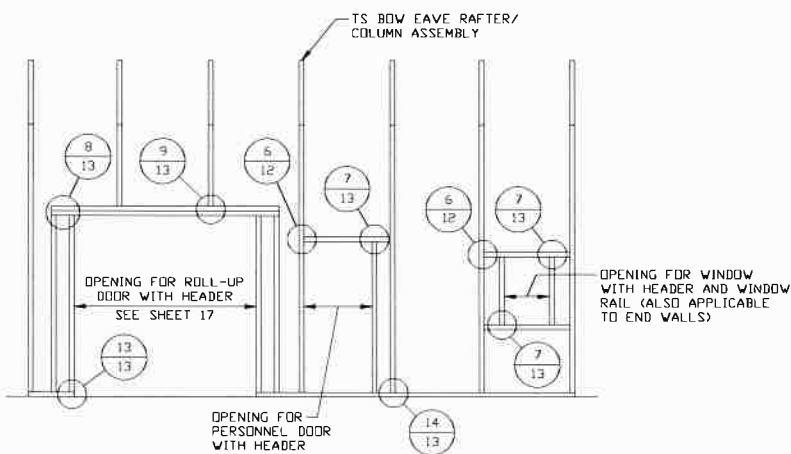
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END WALL FRAMING SECTION**

SCALE: NTS



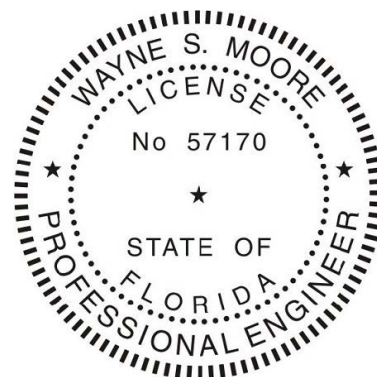
**TYPICAL BOX EAVE RAFTER END
WALL OPENINGS FRAMING SECTION**

SCALE: NTS



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

SCALE: NTS



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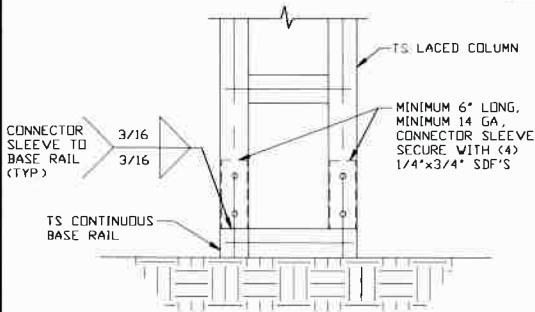
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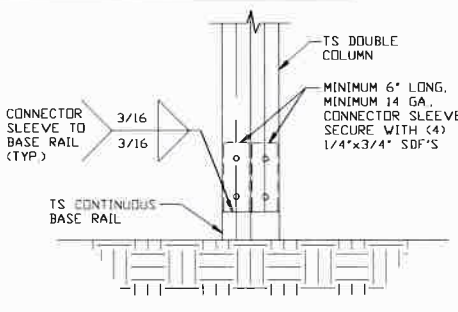
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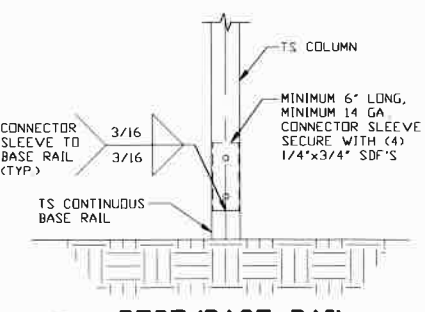
CONNECTION DETAILS



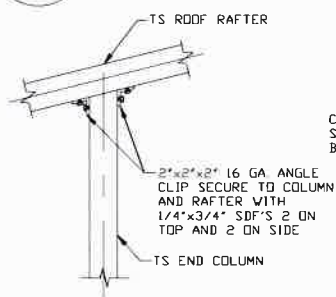
3 POST/BASE RAIL CONNECTION DETAIL
SCALE: NTS



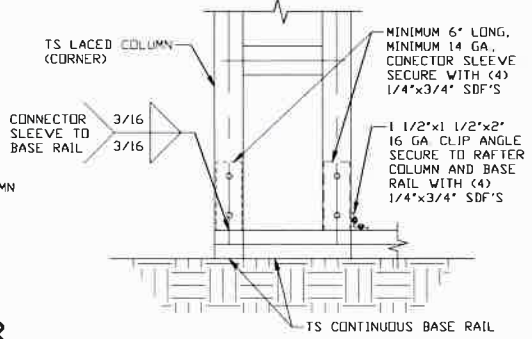
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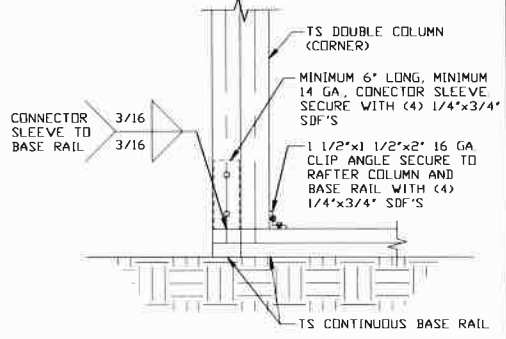
3B POST/BASE RAIL CONNECTION DETAIL
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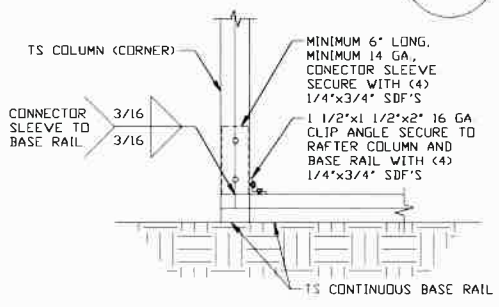
4 END COLUMN/RAFTER CONNECTION DETAIL
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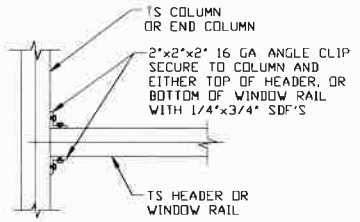
5 END COLUMN/BASE RAIL CONNECTION DETAIL
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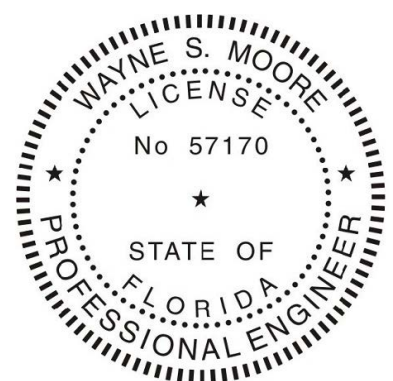
5A END COLUMN/BASE RAIL CONNECTION DETAIL
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5B END COLUMN/BASE RAIL CONNECTION DETAIL
SCALE: NTS



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

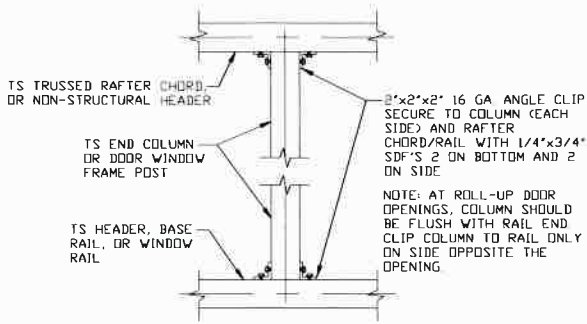


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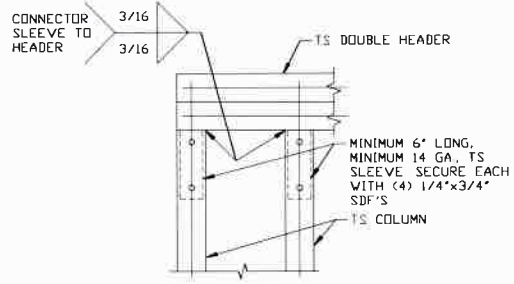
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	CHECKED BY: PDH	PROJECT MGR: WSM	DATE: 2-14-20	SCALE: NTS
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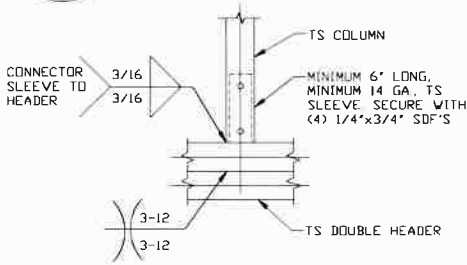
CONNECTION DETAILS



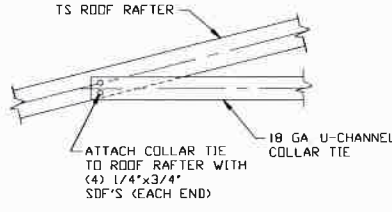
7 COLUMN TO HEADER, BASE RAIL, OR WINDOW RAIL CONNECTION DETAIL
SCALE: NTS



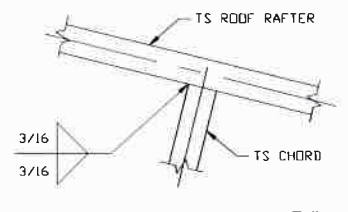
8 DOUBLE HEADER/COLUMN CONNECTION DETAIL
SCALE: NTS



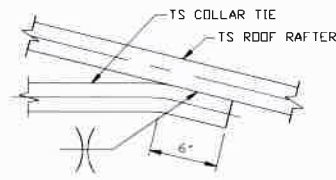
9 COLUMN/DOUBLE HEADER CONNECTION DETAIL
SCALE: NTS



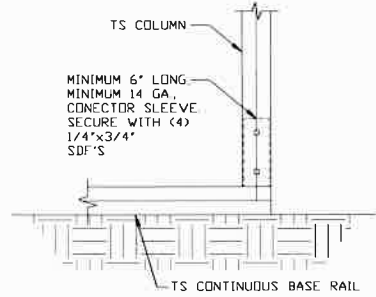
10 COLLAR TIE CONNECTION DETAIL
SCALE: NTS



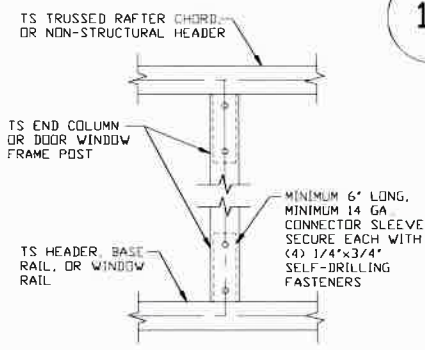
11 RAFTER TO CHORD CONNECTION DETAIL
SCALE: NTS



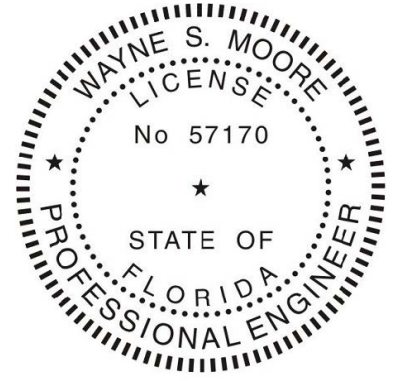
12 COLLAR TIE CONNECTION DETAIL
SCALE: NTS



13 COLUMN/BASE RAIL CONNECTION DETAIL
SCALE: NTS



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



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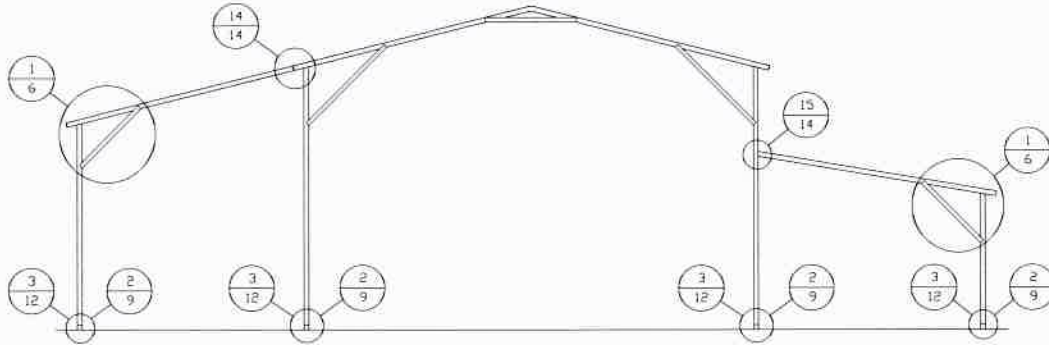
MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.

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"X20'-0" ENCLOSED STRUCTURE
DATE: 2-14-20
SCALE: NTS
JOB NO: 18068S
18156S/18290S/20019S
SHT. 13
DWG. NO: SK-3
REV.: 8

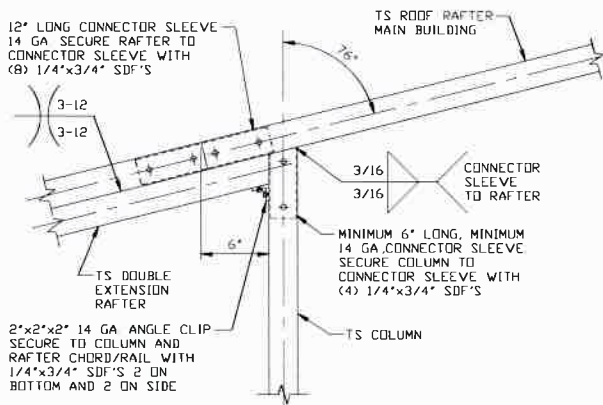
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BOX EAVE RAFTER LEAN-TO OPTIONS



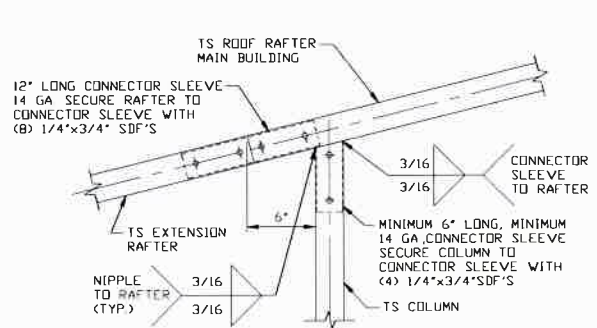
TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

SCALE: NTS
 MAXIMUM WIDTH OF SINGLE MEMBER (RAFTER) ROOF EXTENSION LEAN-TO IS 12'-0".
 MAXIMUM WIDTH OF DOUBLE MEMBER RAFTER ROOF EXTENSION LEAN-TO IS 16'-0".
 FOR SHARED COLUMN HEIGHTS REFERENCE RAFTER COLUMN CONNECTION DETAILS FOR APPROPRIATE COLUMN HEIGHT
 AND TUBING SPECIFICATIONS.



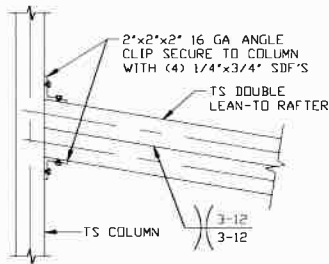
14
 SIDE EXTENSION RAFTER/
 COLUMN DETAIL FOR RAFTER
 SPANS 12'-0' < TO < 16'-0'

SCALE: NTS



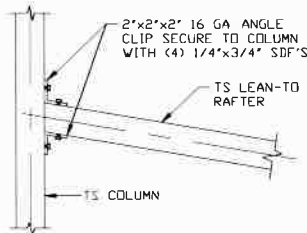
14A
 SIDE EXTENSION RAFTER/
 COLUMN DETAIL FOR
 RAFTER SPANS ≤ 12'-0"

SCALE: NTS



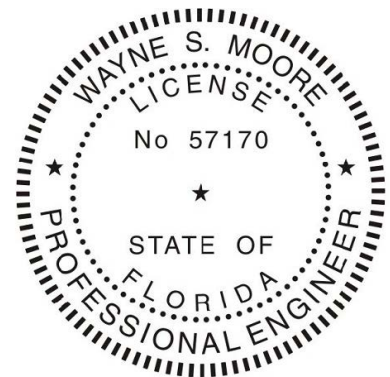
15
 LEAN-TO RAFTER
 TO RAFTER POST
 CONNECTION DETAIL
 FOR WIDTHS 12'-0' < TO < 16'-0'

SCALE: NTS



15A
 LEAN-TO RAFTER
 TO RAFTER POST
 CONNECTION DETAIL
 FOR WIDTHS ≤ 12'-0"

SCALE: NTS



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CHECKED BY: PDH

PROJECT MGR: WSM

CLIENT: SBSI

STEEL BUILDINGS AND STRUCTURES, INC.
 P.O. BOX 1287,
 MOUNT AIRY, NC 27030
 30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 2-14-20

SHT. 14

SCALE: NTS

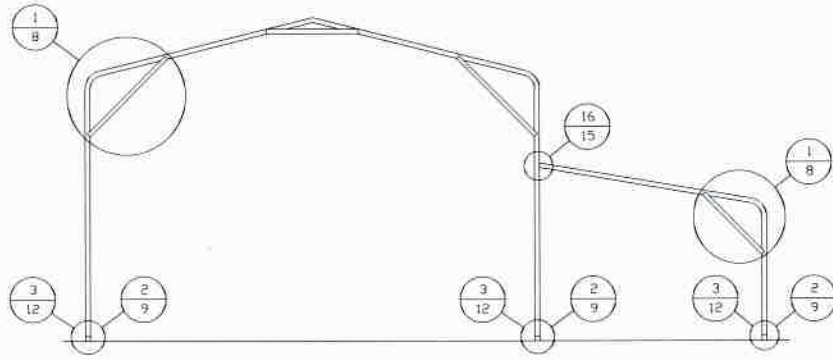
DWG. NO: SK-3

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

REV: 8

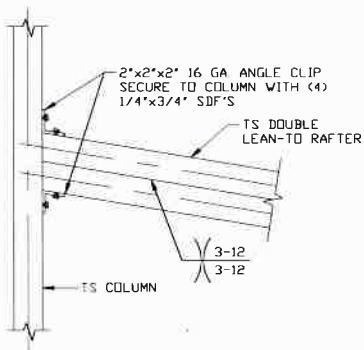
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BOW EAVE RAFTER LEAN-TO OPTIONS



TYPICAL BOW EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION

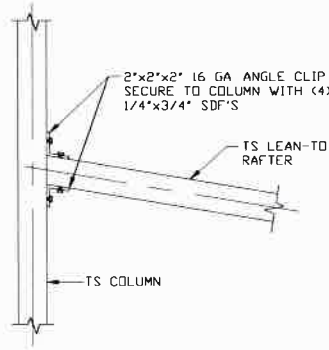
SCALE: NTS
 MAXIMUM WIDTH OF SINGLE MEMBER (RAFTER) ROOF EXTENSION LEAN-TO IS 12'-0"
 MAXIMUM WIDTH OF DOUBLE MEMBER RAFTER ROOF EXTENSION LEAN-TO IS 16'-0"
 FOR SHARED COLUMN HEIGHTS REFERENCE RAFTER COLUMN CONNECTION DETAILS FOR APPROPRIATE COLUMN HEIGHT AND TUBING SPECIFICATIONS



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

16

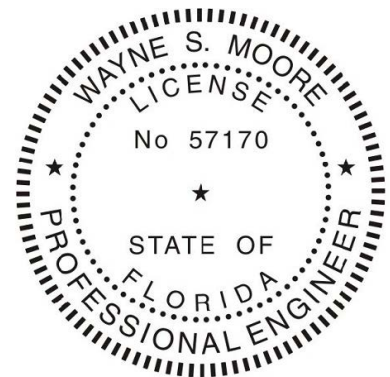
SCALE: NTS



**LEAN-TO RAFTER TO RAFTER POST CONNECTION DETAIL
 FOR WIDTHS ≤ 12'-0"**

16A

SCALE: NTS



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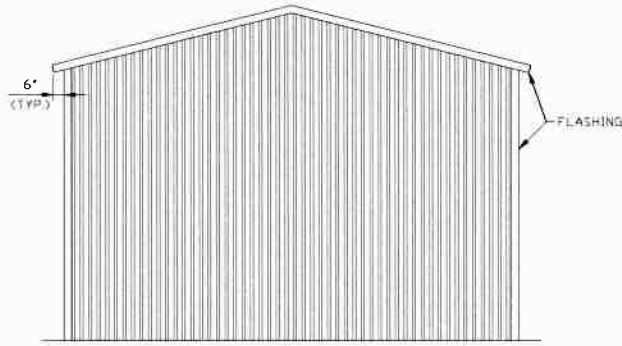
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CHECKED BY: PDH
PROJECT MGR: WSM
CLIENT: SBSI

STEEL BUILDINGS AND STRUCTURES, INC.
 P.O. BOX 1287,
 MOUNT AIRY, NC 27030
 30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 2-14-20	SCALE: NTS	JOB NO: 18069S 18156S/18290S/20019S
SHT. 15	DWG. NO: SK-3	REV.: 8

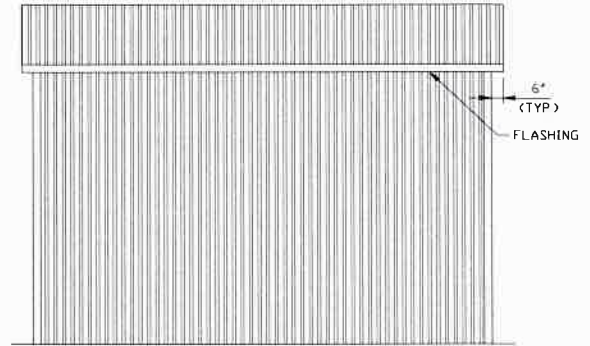
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BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



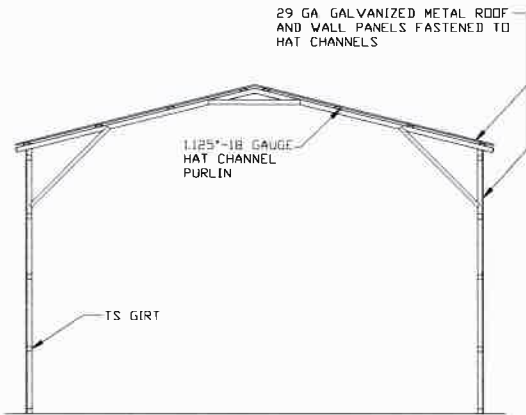
**TYPICAL END ELEVATION
VERTICAL ROOF/SIDING**

SCALE: NTS



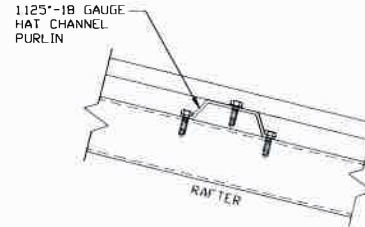
**TYPICAL SIDE ELEVATION
VERTICAL ROOF/SIDING**

SCALE: NTS



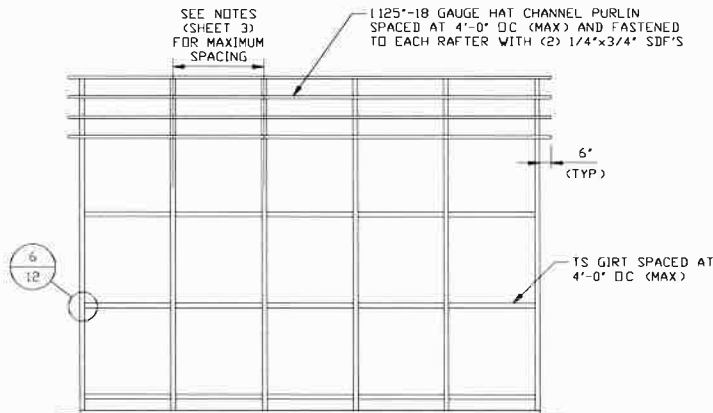
**TYPICAL SECTION
VERTICAL ROOF/SIDING OPTION**

SCALE: NTS



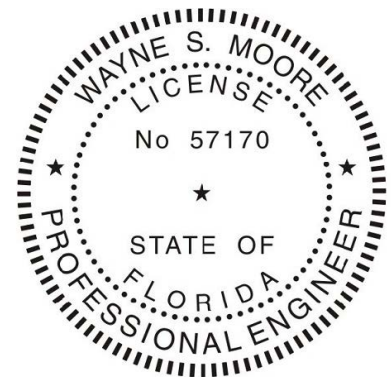
PANEL ATTACHMENT

(ALTERNATE FOR VERTICAL ROOF PANELS)
SCALE: NTS



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

SCALE: NTS



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

DATE: 2-14-20

SCALE: NTS

DWG. NO: SK-3

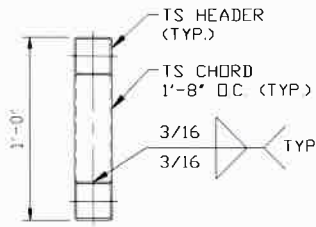
JOB NO: 18069S

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REV: 8

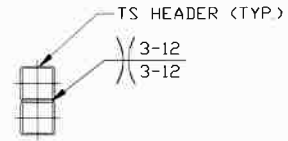
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SIDE WALL HEADER OPTIONS



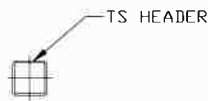
LACED HEADER DETAIL FOR DOOR OPENINGS 12'-0" < LENGTH < 20'-0"

SCALE: NTS



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

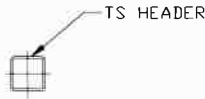
SCALE: NTS



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

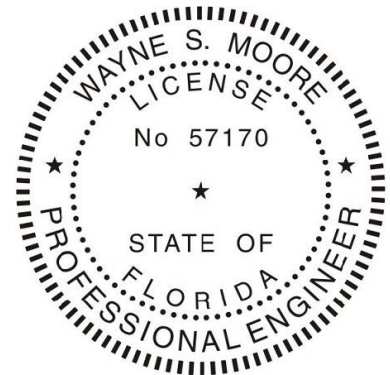
SCALE: NTS

END WALL HEADER OPTIONS



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

SCALE: NTS



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30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 2-14-20

SCALE: NTS

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

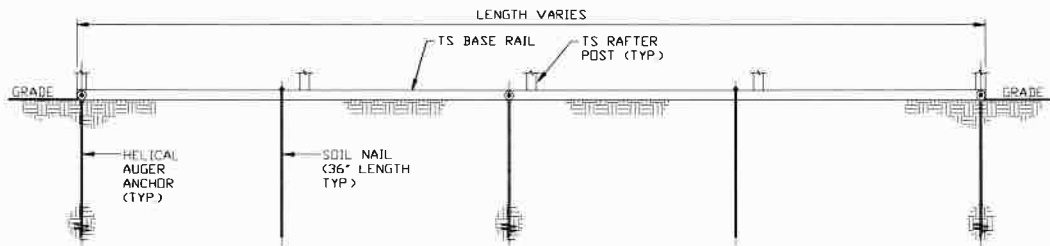
SHT. 17

DWG. NO: SK-3

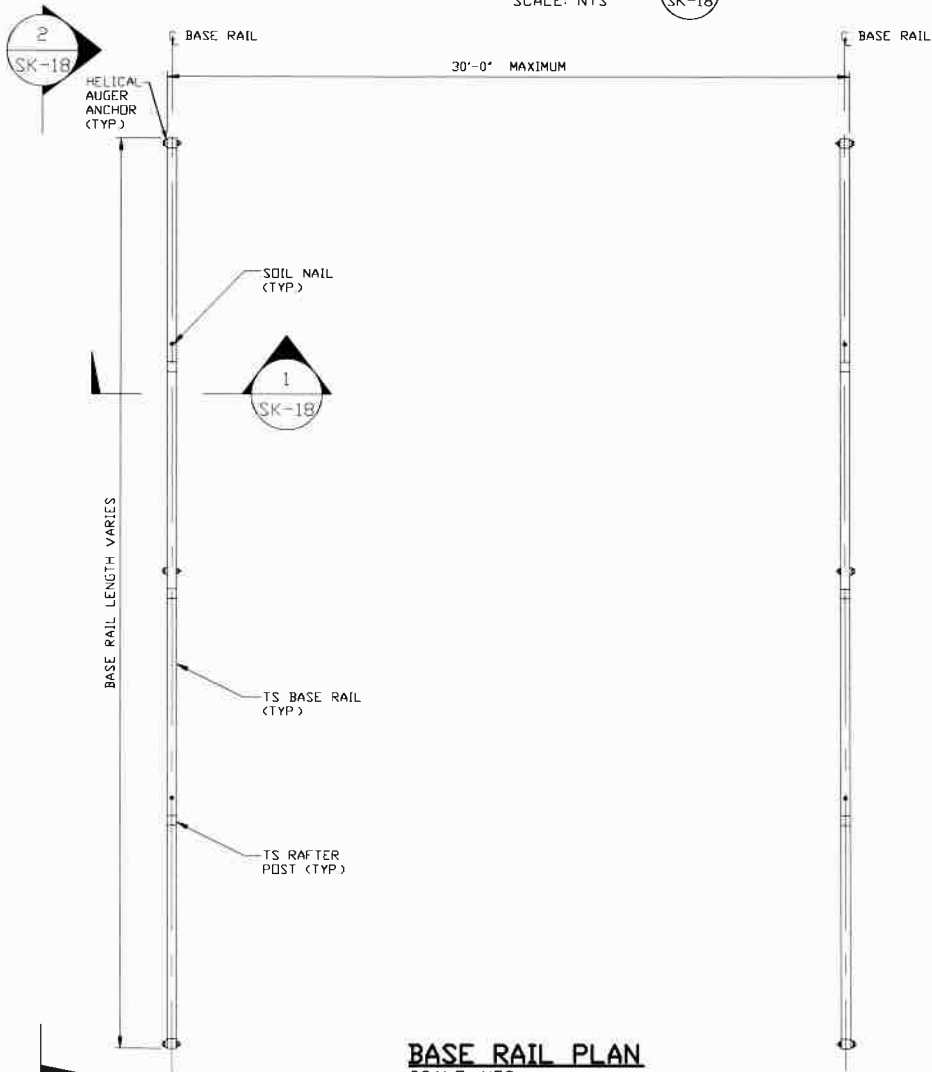
REV: 8

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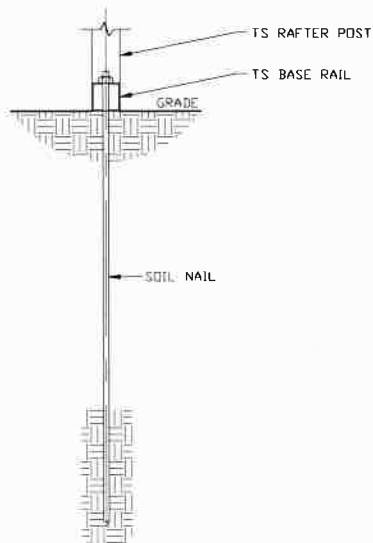
OPTIONAL BASE RAIL ON GRADE APPLICATION



SECTION 2
SCALE: NTS

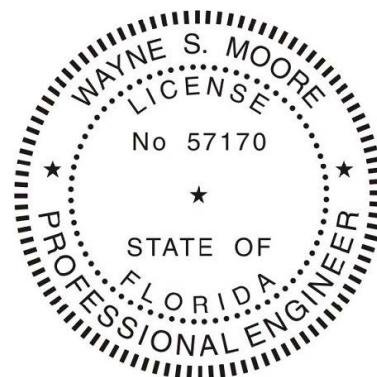


BASE RAIL PLAN
SCALE: NTS



SECTION 1
SCALE: NTS

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



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

DATE: 2-14-20

SHT. 18

SCALE: NTS

DWG. NO: SK-3

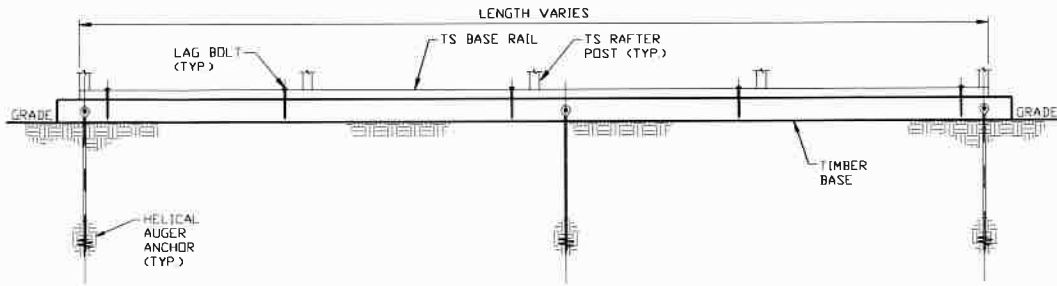
JOB NO: 18068S

18156S/18290S/20019S

REV: 8

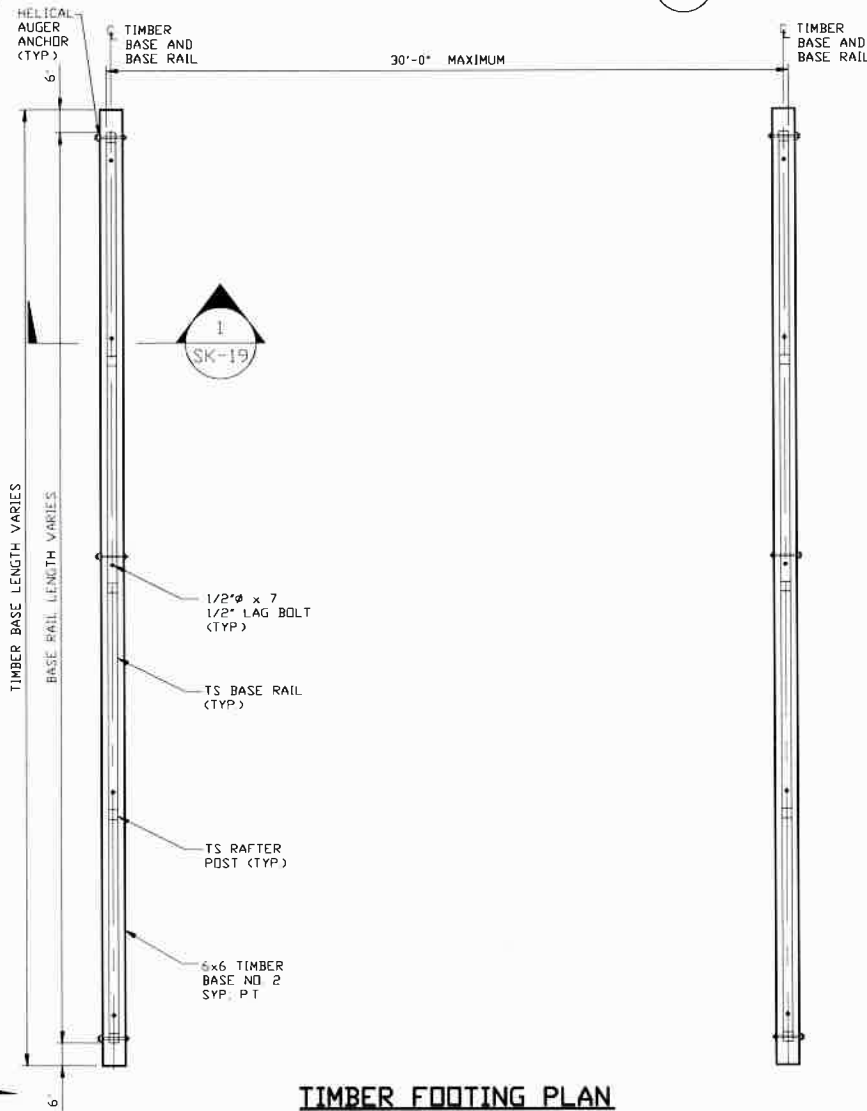
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OPTIONAL BASE RAIL ON TIMBER BEAM

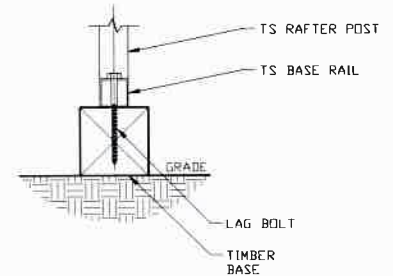


SECTION 2
SCALE: NTS

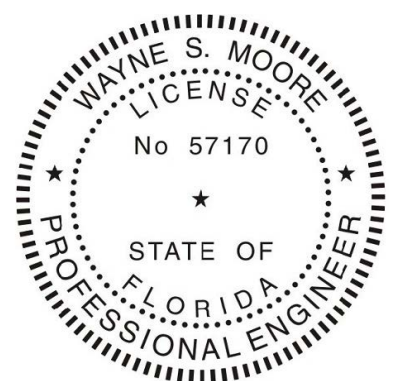
2
SK-19



TIMBER FOOTING PLAN
SCALE: NTS



SECTION 1
SCALE: NTS



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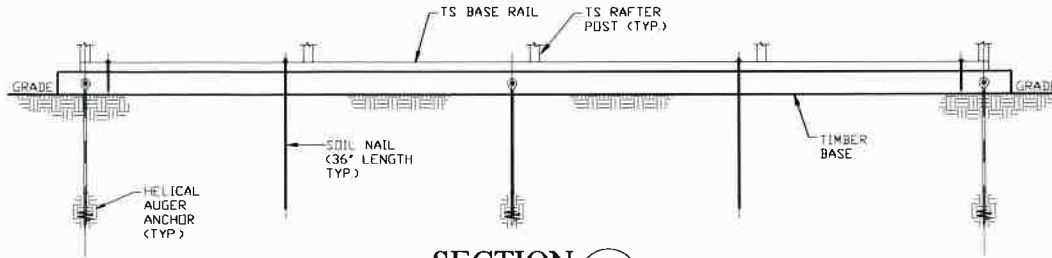
HELIX ANCHOR	
SIDE LENGTH	MAXIMUM SPACING
VARIES	10'-0" (EVERY OTHER POST)

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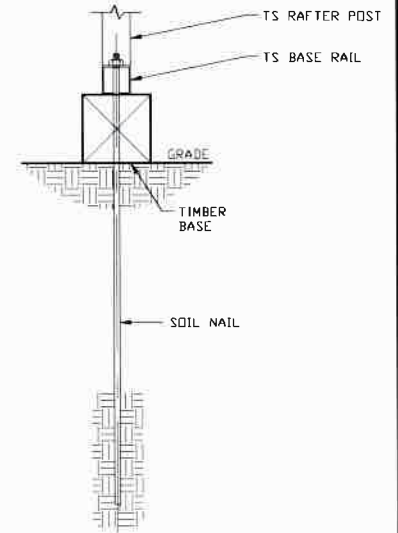
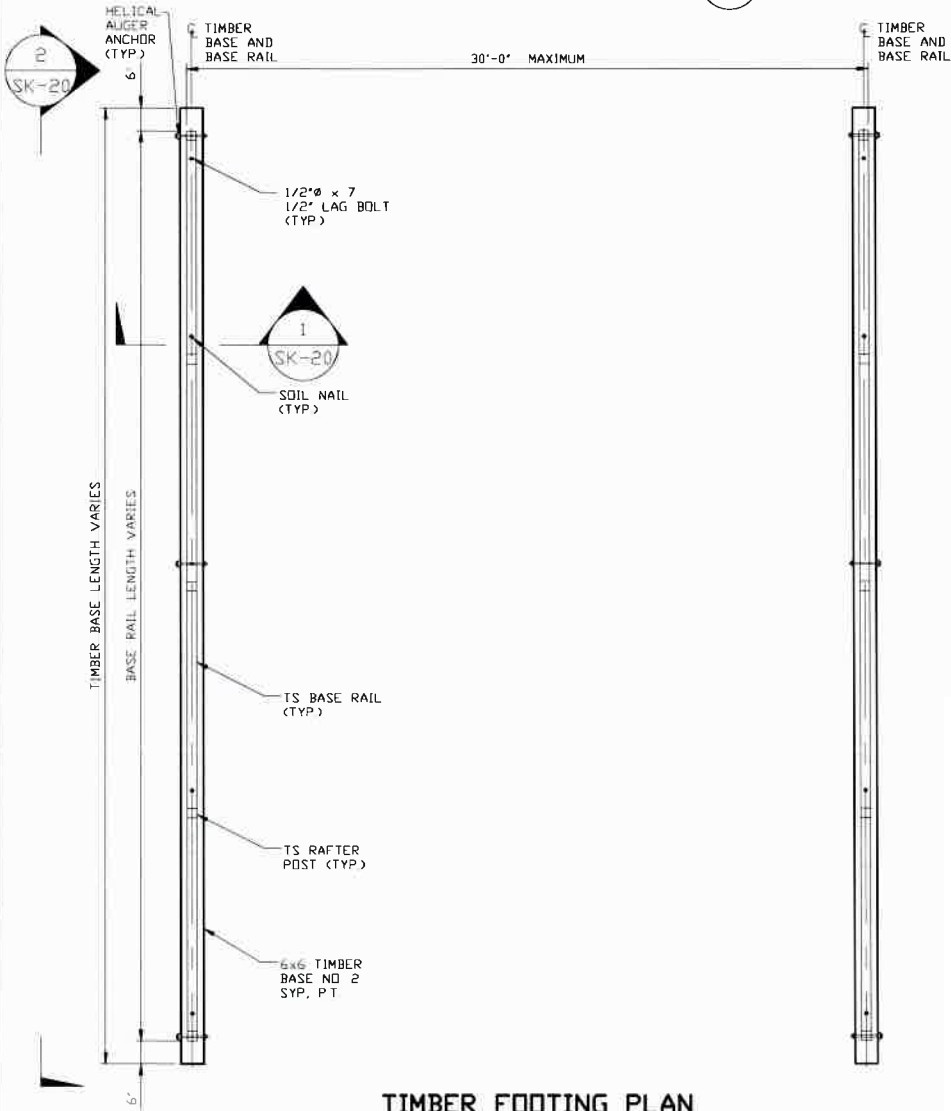
DRAWN BY: LT	STEEL BUILDINGS AND STRUCTURES, INC. P.O. BOX 1287, MOUNT AIRY, NC 27030 30'-0"x20'-0" ENCLOSED STRUCTURE		
CHECKED BY: PDH	PROJECT MGR: WSM	DATE: 2-14-20	SCALE: NTS
CLIENT: SBSI	SHT. 19	DWG. NO: SK-3	REV: 8

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OPTIONAL BASE RAIL ON TIMBER BEAM WITH SOIL NAIL



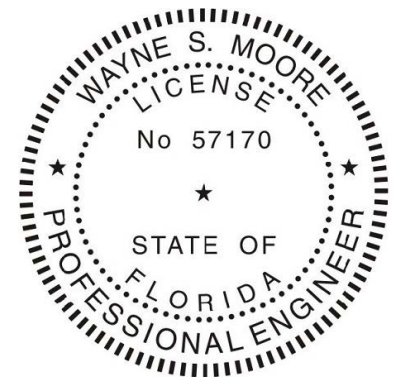
SECTION 2
SCALE: NTS



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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P.O. BOX 1287,
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30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 2-14-20

SHT. 20

SCALE: NTS

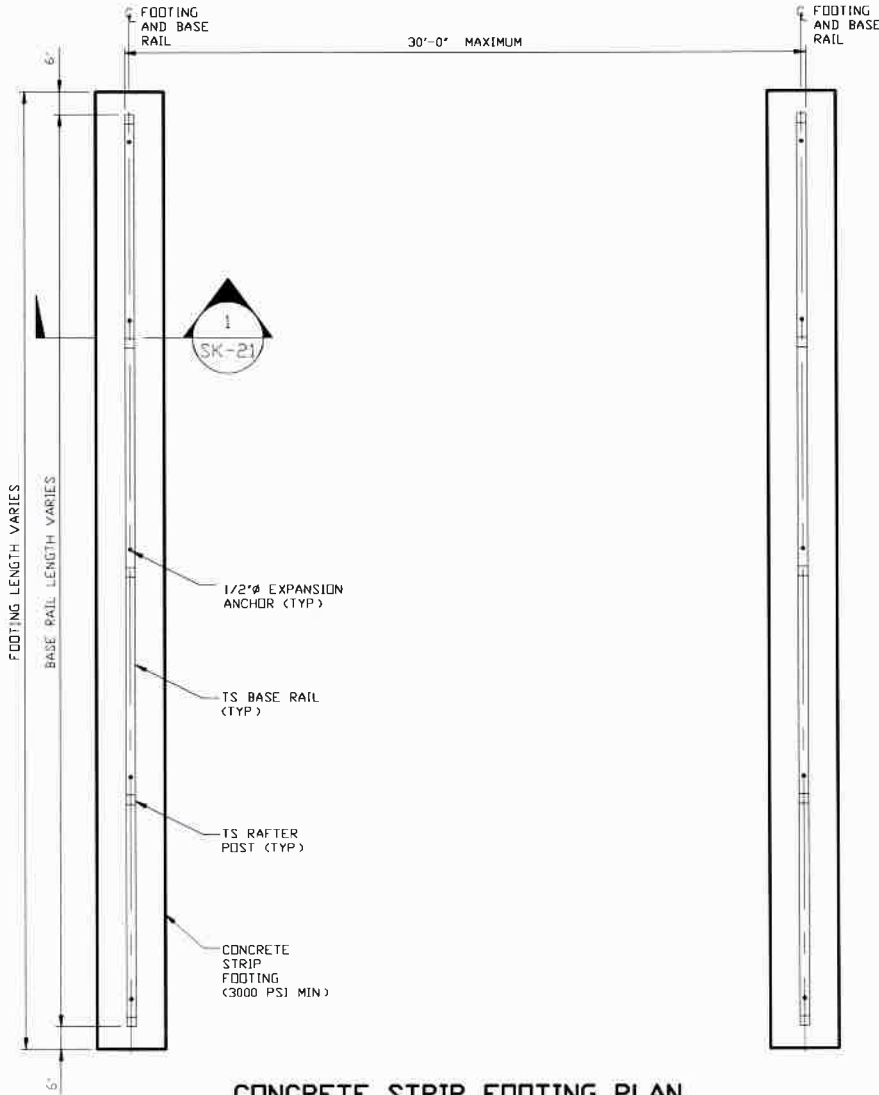
DWG. NO: SK-3

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

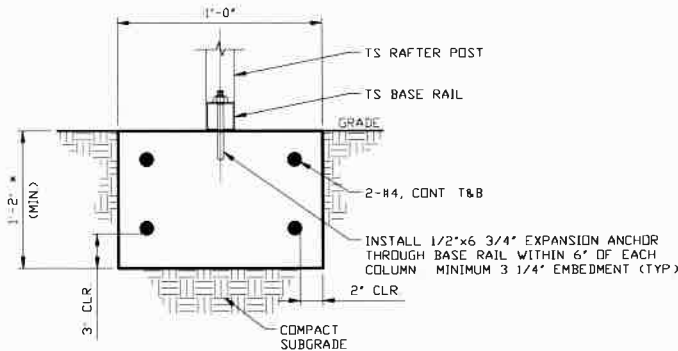
REV.: 8

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OPTIONAL CONCRETE STRIP FOOTING

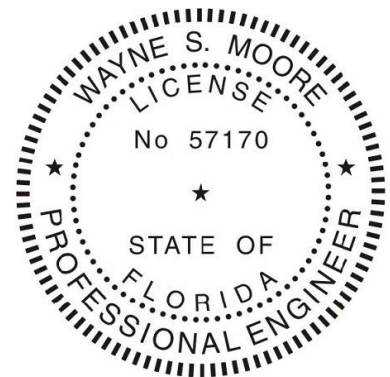


CONCRETE STRIP FOOTING PLAN
SCALE: NTS



SECTION 1
SCALE: NTS
1
SK-21

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P.O. BOX 1287,
MOUNT AIRY, NC 27030
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 2-14-20 **SCALE:** NTS **JOB NO:** 18068S
SHT. 21 **DWG. NO:** SK-3 **REV:** 8

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