

John Tripp 1834 Thomas Kelly Rd. Sanford, NC 27330

## STRUCTURAL DESIGN

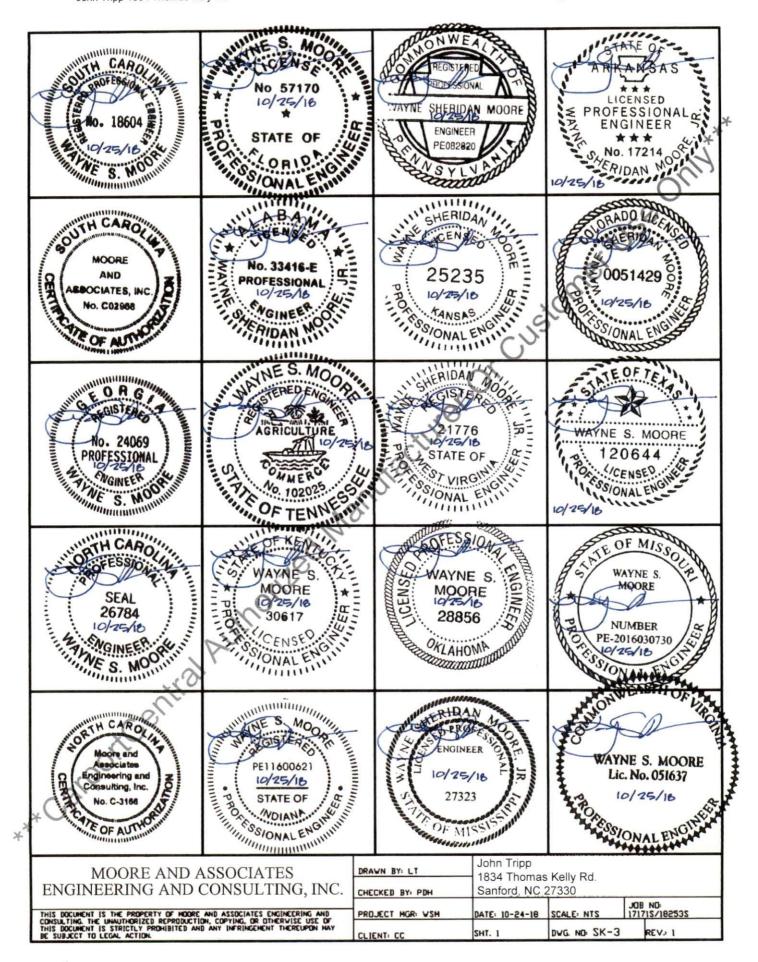
# **ENCLOSED BUILDING**

mer Use Only\*\* MAXIMUM 30'- 0" WIDE X 16'- 0" EAVE HEIGHT-BOX EAVE FRAME AND BOW FRAME

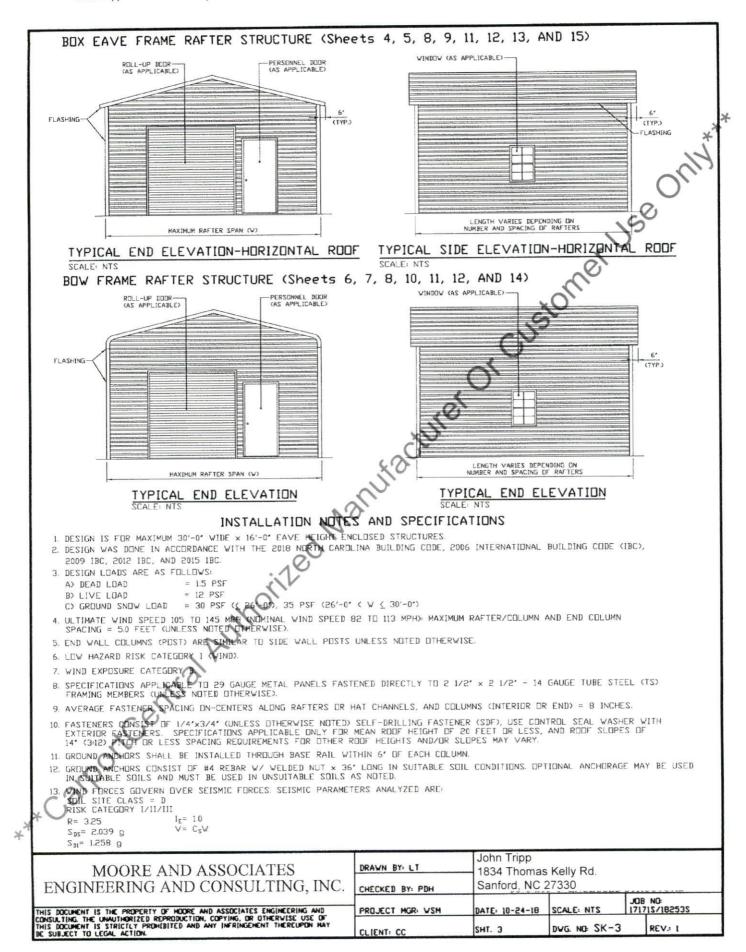
> 24 October 2018 ( M&A Project No. 17171S/18253S

> > repared for:





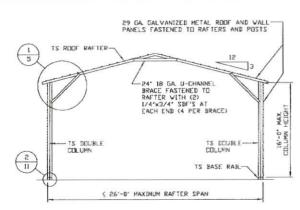
1	*		_				
	WATNE SHERIDAN MOORE = License No. 40931						ON14*
7	OF MARY 10/15/18	I hereby certify that thes documents were prepar approved by me, and the a duly licensed profession engineer under the laws the State of Maryland,	e ed o at I onal	r im	Che	omerv	.0
	WAYNE 10 MOORE E-61988 G/STER	Expiration Date 6/6/		Hacturer	0,		
6	SHERIDAN MOOD PORTON TO PO	Authorized					
A.	* CSILBOUTCOLLING						
	MOORE AND A		DRA	WN BY: LT	John Tripp 1834 Thomas	Kelly Rd.	
	ENGINEERING AND CONSULTING, INC.		CHE	CKED BY: PDH	Sanford, NC 2	27330	
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SCALE: NTS

SCALE: NTS

TS ROOF RAFTER 15



#### RAFTER/COLUMN END FRAME SECTION SCALE: NTS

29 GA GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO RAFTERS AND POSTS TS ROOF RAFTER 15 12 TS 2 1/2×2 1/2-14 GA TS DOUBLE 2 TS BASE RAIL 26'-0" ( W & 30'-0" MAXIMUM RAFTER SPAN

#### SECTION TYPICAL RAFTER/COLUMN END FRAME

29 GA. GALVANIZED METAL ROOF AND WALE PANELS FASTENED TO RAFTERS AND POSTS

PUDE AND VALL

TS BASE RAIL

29 GA. GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO RAFTERS AND POSTS TS ROOF RAFTER 5 -24' 10 GA U-CHANNEL BRACE FASTENED TO RAFTER WITH (2) 1/4'x3/4' SDF'S AT EACH END (4 PER BRACE) (II TS BASE RAIL C 26'-0' MAXIMUM RAFTER SPAN

RAFTER/COLUMN END FRAME

TYPICAL

SCALE: NTS

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SECTION

26'-0' ( W & 30'-0' MAXIMUM RAFTER SPAN TYPICAL RAFTER/COLUMN END FRAME SECTION

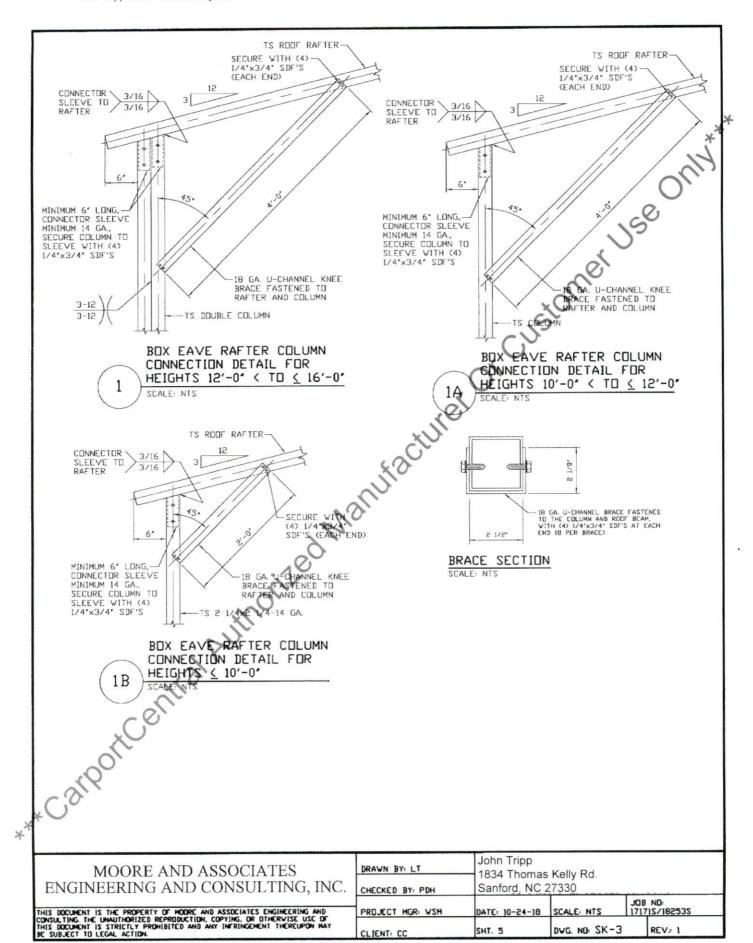
indized Na LENGTH VARIES DEPENDING ON NUMBER AND SPACING OF RAFTERS

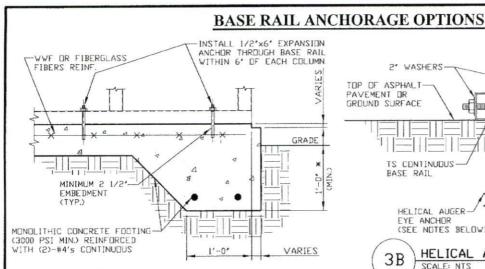
RAFTER/COLUMN SIDE FRAMING SECTION

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CLIENT: CC	SHT. 4	DVG ND SK-	3	REV. 1		







#### CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

MINIMUM ANCHOR EDGE DISTANCE IS 4'.

#### GENERAL NOTES

CONCRETE MONDLITHIC SLAB DESIGN BASED ON MINIMUM SDIL BEARING CAPACITY DF 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 FABRY 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 CONGRETE SHALL NOT

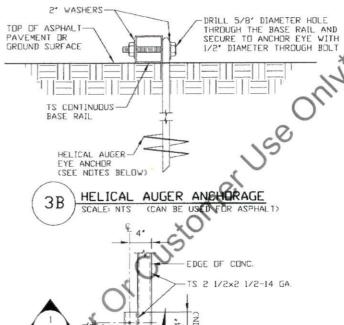
### BE FIELD BENT.

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- HELICAL AUGER ANCHOR NOTES:

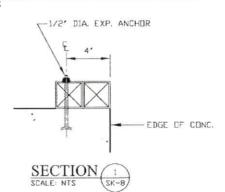
  1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRECADED SILTS AND CLAYS, USE MINIMUM (2) 4' HELICES WITH MINIMUM 30' EMBEDMENT OR SINGLE 6' HELIX WITH MINIMUM 50' EMBEDMENT OR SO' EMBEDMENT OR SANOLE 6' HELIX WITH MINIMUM 30' EMBEDMENT OR SANOLE 6' HELIX WITH MINIMUM 50' EMBEDMENT.
- 50' EMBEDMENT.

  FOR MEDIUM DENSE CHARSE 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 LODGE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ADLUVIAL FILL, USE MINIMUM (2) 6' HELICES WITH MINIMUM 50' EMBLOMENT.
- B. FOR VERY LOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) B' HELICES WITH MINIMUM 60' EMBEDMENT.



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

2K-8



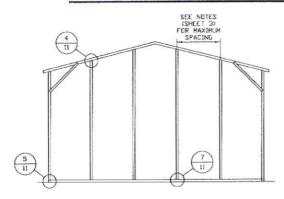
3/16 / TS COL. (LEG)

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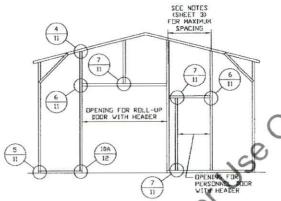
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CLIENT: CC	SHT. 8	DVG. NO: SK-	3	REV. 1	





TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION

SCALE: NTS



TYPICAL BOX EAVE RAFTER END WALL OPENINGS FRAMING SECTION Ket Or Chet

SCALE: NTS

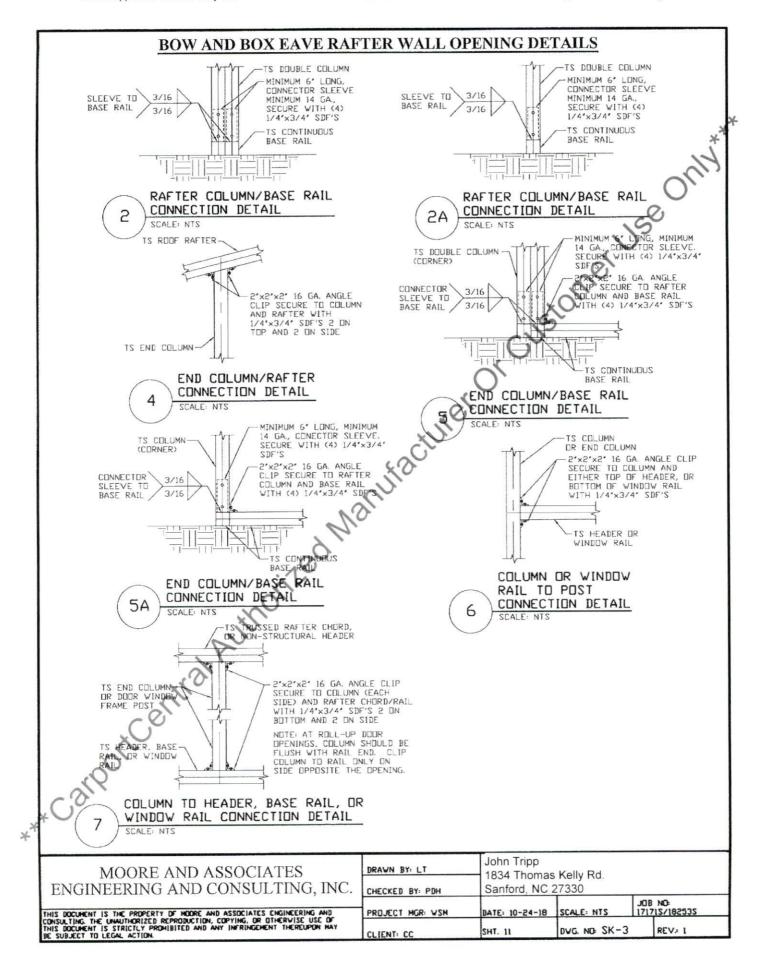
TS RAFTER/COLUMN 9 12 6 PENING FOR ROLL-UP DOOR WITH HEADER 11 (12'-0' MAXIMUM) PERSONNEL DOOR WITH HEADER

TYPICAL BOX EAVE RAFTER \*CarportCentral Authori SIDE WALL OPENINGS FRAMING SECTION

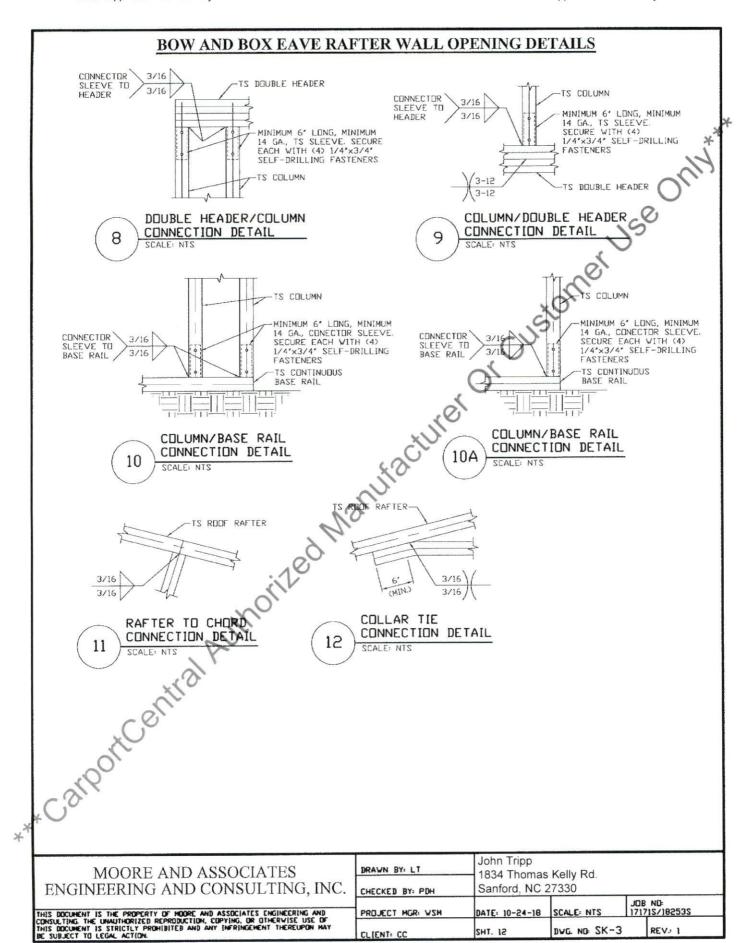
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Sanford

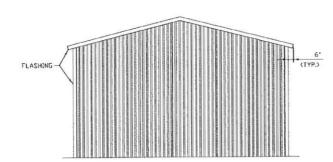


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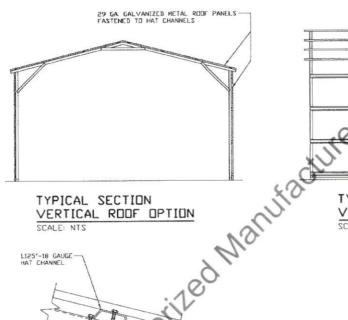
SHT. 12



Sanford



TYPICAL END ELEVATION VERTICAL ROOF



TYPICAL SECTION VERTICAL ROOF OPTION

SCALE: NTS

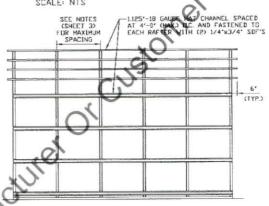
1.125'-18 GAUGE HAT CHANNEL

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

(TYP) FLASHING

TYPICAL SIDE ELEVATION VERTICAL ROOF

SCALE: NTS



TYPICAL FRAMING SECTION VERTICAL ROOF OPTION

SCALE: NTS

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SHT. 15

REV: 1

DVG. NO: SK-3

CLIENT: CC