

STRUCTURAL DESIGN

ENCLOSED BUILDING EXPOSURE B

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

8 January 2021 Revision 5 M&A Project No. 16022S/17300S/20352S

Prepared for:

Tubular Building Systems, LLC 631 SE Industrial Circle Lake City, Florida 32025

Prepared by:

Moore and Associates Engineering and Consulting, Ir 1009 East Avenue North Augusta, SC 29841

> 401 S. Main Street, Suite 200 Mount Airy, NC 27030

Digitally signed by Wayne S Moore Date: 2021.01.12 15:40:40 -05'00'



MOORE AND ASSOCIATES ENGINEERING AND CONSULTING





This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date.

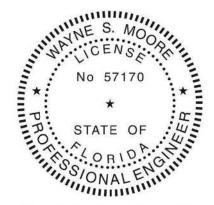
			2 2 2			
				119 119 119 119	NE S. MO ICENSE No 57170 * STATE OF SONALE	
				ROFILIT	STATE OF	······································
				sealed by using a D	n has been electronically y Wayne S. Moore, PE. Digital Signature and date	
				consider	copies of this document ed signed and sealed an e must be verified on an	d the
MOORE AND A			VN BYI JG	30'-0"x20'-0	JLAR BUILDING SY " ENCLOSED BUIL E SEAL COVER SH	DING EXP. B
THIS DOCUMENT IS THE PROPERTY OF MODRE AND ASSOCIATES ENGINEERING AND CONSULTING. THE UNAUTHORIZED REPRODUCTION, COPYING, DR OTHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPIN MAY		PRO		DATE: 1-8-21	JI SCALE: NTS 17	DB NDI 160228/ /3008/203528
BE SUBJECT TO LEGAL ACTION.		ICLIE	NTI TBS	SHT, İ	DWG, NDI SK-3	REV. 5

DRAWING INDEX PE SEAL COVER SHEET SHEET 2 DRAWING INDEX SHEET 3 INSTALLATION NOTES AND SPECIFICATIONS SHEET 4 TYPICAL SIDE AND END ELEVATIONS TYPICAL RAFTER COLUMN END AND SIDE FRAMING SECTIONS (BOX EAVE RAFTER) SHEFT 5 TYPICAL RAFTER COLUMN END AND SIDE FRAMING SECTIONS (BOX EAVE RAFTER) SHEET 5A SHEET 5B TYPICAL RAFTER COLUMN END AND SIDE FRAMING SECTIONS (BOX EAVE RAFTER) TYPICAL RAFTER COLUMN CONNECTION DETAILS (LACED COLUMN) SHEET 6 TYPICAL RAFTER COLUMN CONNECTION DETAILS (DOUBLE COLUMN) SHEET 6A SHEET 6B TYPICAL RAFTER COLUMN CONNECTION DETAILS (SINGLE COLUMN) SHEET 7 TYPICAL RAFTER COLUMN END AND SIDE FRAMING SECTIONS (BOW RAFTER) TYPICAL RAFTER COLUMN END AND SIDE FRAMING SECTIONS (BOW RAFTER) SHEET 7A TYPICAL RAFTER COLUMN CONNECTION DETAILS (DOUBLE COLUMN) SHEET 8 TYPICAL RAFTER COLUMN CONNECTION DETAILS (SINGLE COLUMN) SHEET 8A SHEET 9 BASE RAIL ANCHORAGE OPTIONS FOR LOW AND HIGH WIND SPEED IPTIONAL FOUNDATION ANCHORAGE FOR LOW AND HIGH WIND SPEED SHEET 9A

- SHEET 9B BASE RAIL ANCHORAGE OPTION
- SHEET 9C BASE RAIL ANCHORAGE OPTIONS
- BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS SHEET 10
- SHEET 11 BOW RAFTER END WALL AND SIDE WALL OPENINGS
- SHEET 12 CONNECTION DETAILS
- SHEET 13 CONNECTION DETAILS

SHEET 1

- BOX EAVE RAFTER LEAN-TO OPTIONS SHEET 14
- BOX EAVE RAFTER LEAN-TO OPTIONS SHEET 14A
- BOW RAFTER LEAN-TO OPTIONS SHEET 15
- SHEET 16 VERTICAL ROOF/SIDING OPTION
- OPTIONAL DOOR HEADER SHEET 17
- FLOOD VENT DETAIL SHEET 18
- STAND-ALONE STEM WALL DETAIL SHEET 19
- SHEET 20 VERTICAL SLIDING WINDOW DETAIL
- STRIP FOOTING OPTION SHEET 21



This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date.

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BY: JG CHECKED BY: PDH	TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B		
THIS DOCUMENT IS THE PROPERTY OF HODRE AND ASSOCIATES ENGINEERING AND CONSULTING THE UNAUTHORIZED REPRODUCTION, COPYING, OR OTHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.	PREJECT MGR: WSM		SCALE: NTS DWG, ND: SK-3	JUB NU: 160225/ 173005/203525 REV.: 5

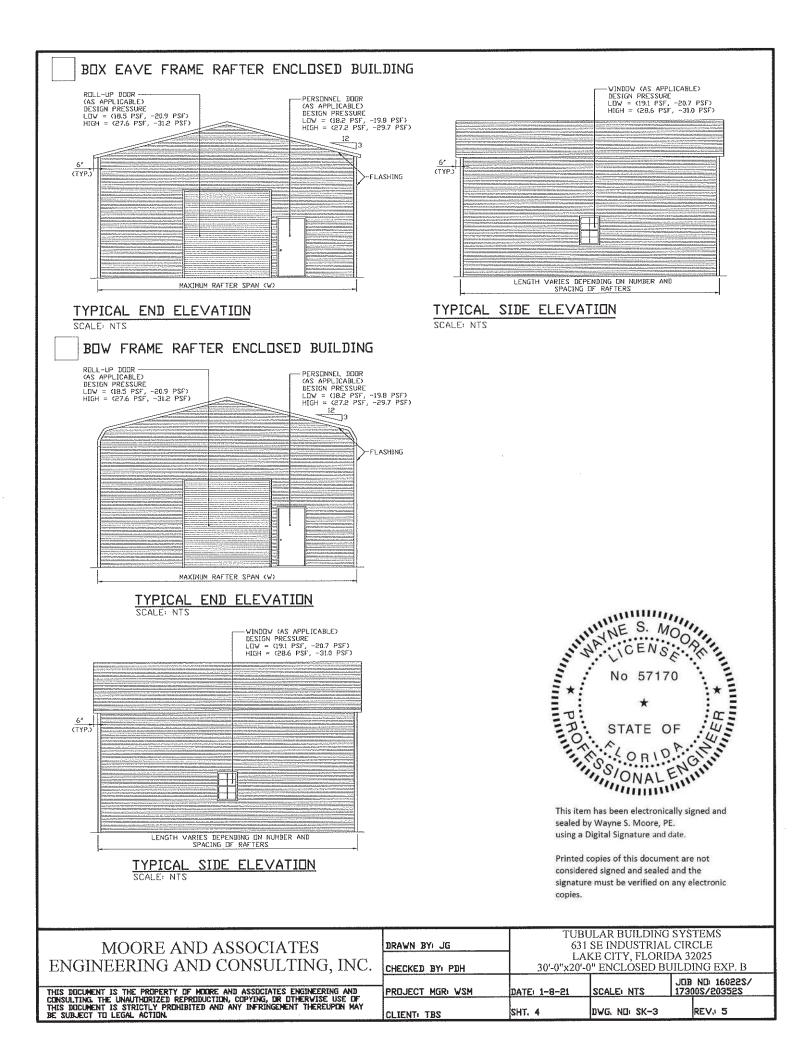
INSTALLATION NOTES AND SPECIFICATIONS

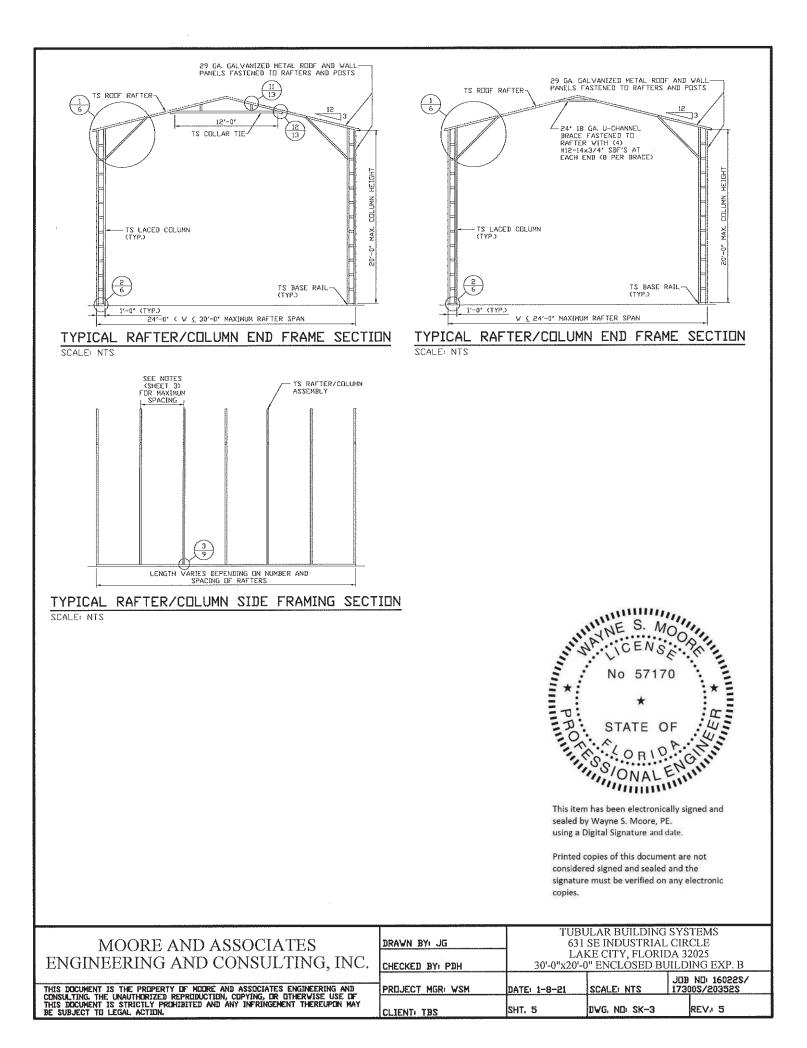
- 1. DESIGN IS FOR A MAXIMUM 30'-0' WIDE × 20'-0' EAVE HEIGHT ENCLOSED STRUCTURES.
- 2. DESIGN WAS DONE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION, 2012 INTERNATIONAL BUILDING CODE (IBC), 2015 IBC, AND 2018 IBC.
- 3. DESIGN LOADS ARE AS FOLLOWS:
 - A> DEAD LOAD = 1.5 PSF
 - B) LIVE LOAD = 12 PSF C) GROUND SNOW LOAD = 10 PSF
- 4. LOW ULTIMATE WIND SPEED 105 TO 140 MPH (NOMINAL WIND SPEED 81 TO 108 MPH): MAXIMUM RAFTER/POST AND END POST SPACING = 5.0 FEET.
- 5. HIGH ULTIMATE WIND SPEED 141 TO 170 MPH (NEMINAL WIND SPEED 109 TO 132 MPH): MAXIMUM RAFTER/POST AND END POST SPACING = 4.0 FEET.
- 6. END WALL COLUMNS (POSTS) AND SIDE WALL COLUMNS ARE EQUIVALENT 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" × 2 1/2" 14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS. FOR VERTICAL PANELS, 29 GAUGE METAL PANELS SHALL BE FASTENED TO 18 GAUGE HAT CHANNELS (UNLESS OTHERWISE NOTED).
 10. AVERAGE FASTENER SPACING DN-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS, INTERIOR = 9" OR END = 6", (MAX.)
- 11. FASTENERS CONSIST OF #12-14×3/4* 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 JOINT SEALANT.
- IZ. STANDARD 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 × 30' LONG IN SUITABLE SOIL CONDITIONS MAY BE USED FOR LOW (\$\leq 108 MPH NUMINAL) WIND SPEEDS ONLY, OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS AS NOTED. COORDINATE WITH LOCAL CODES/ORDINANCES REGARDING MINIMUM LENGTH FOR FROST DEPTH PROTECTION.
- 14. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:
 - STIL STE CLASS = D RISK CATEGDRY I R= 3.25 I_{E} = 1.0 S_{DS} = 1.522 g $V = C_{S}V$ S_{DI} = 0.839 g

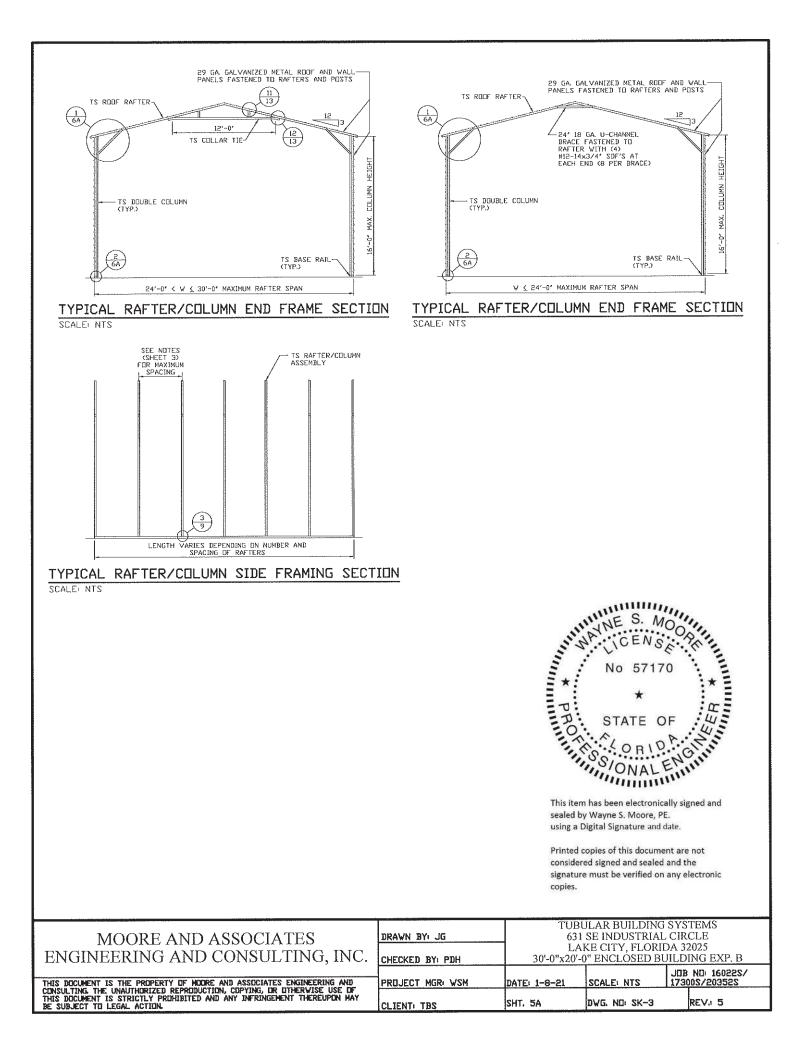


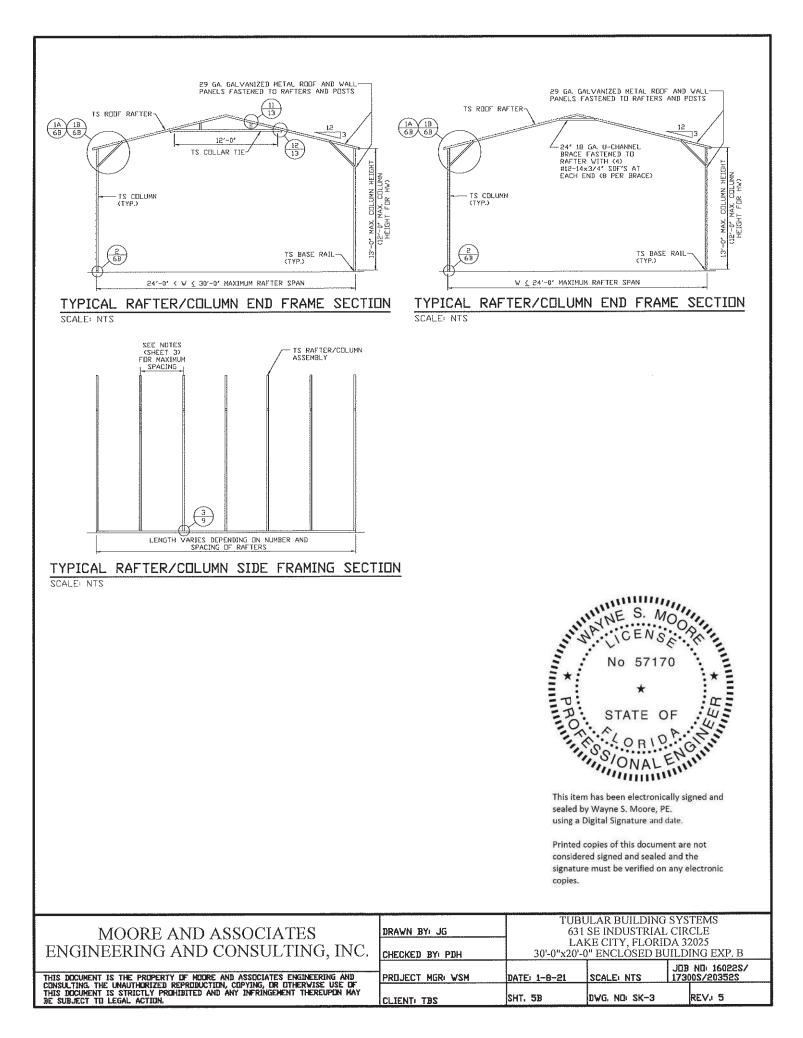
This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date.

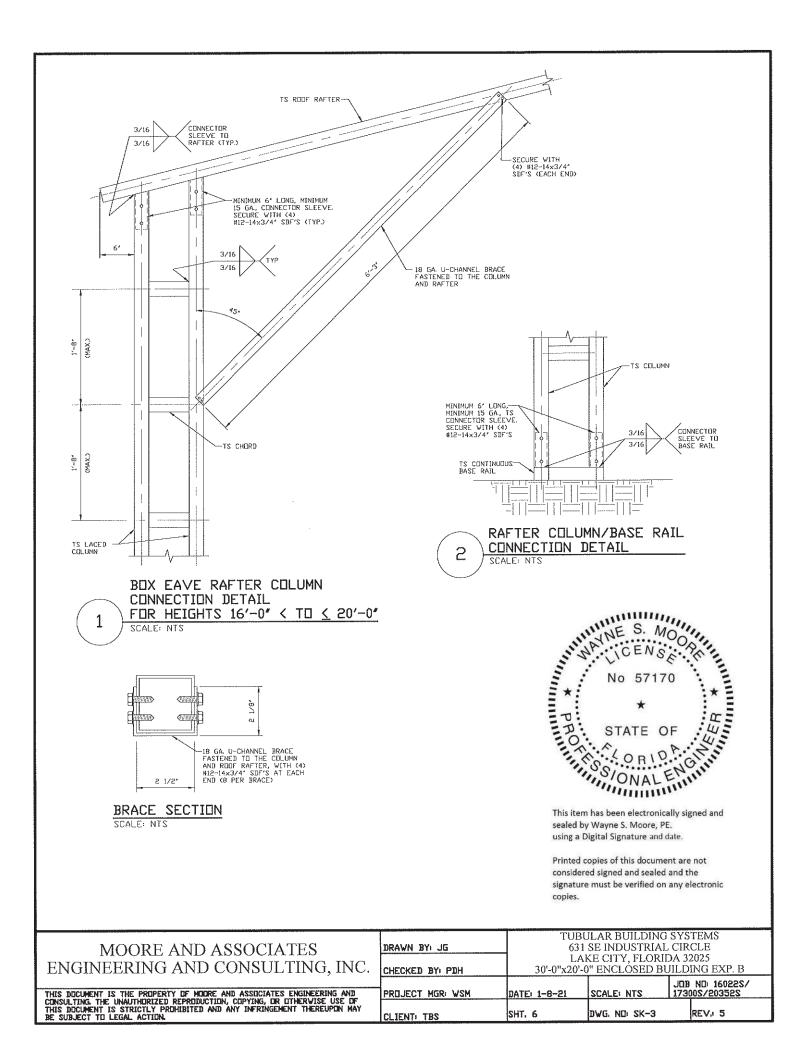
MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BYI JG CHECKED BYI PDH	TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B		
THIS DOCUMENT IS THE PROPERTY OF MODRE AND ASSOCIATES ENGINEERING AND CONSULTING. THE UNAUTHORIZED REPRODUCTION, COPYING, OR DITHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.			SCALE: NTS DWG. ND: SK-3	JOB NO: 16022S/ 17300S/20352S REV,: 5

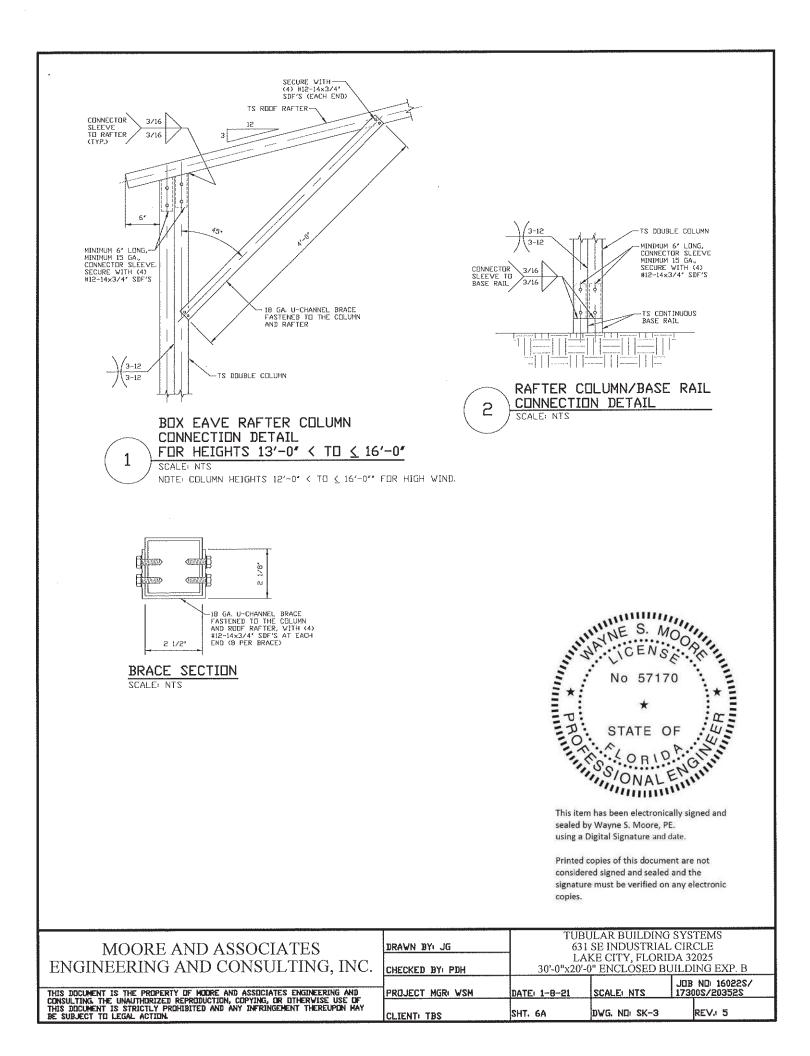


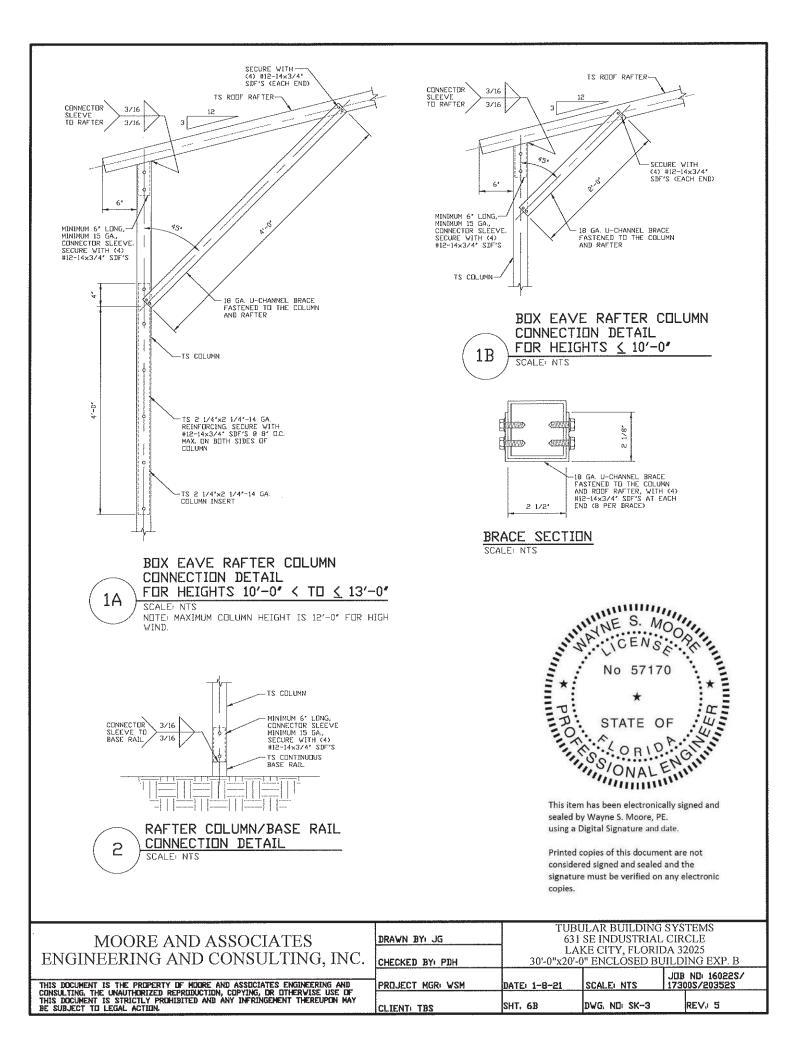


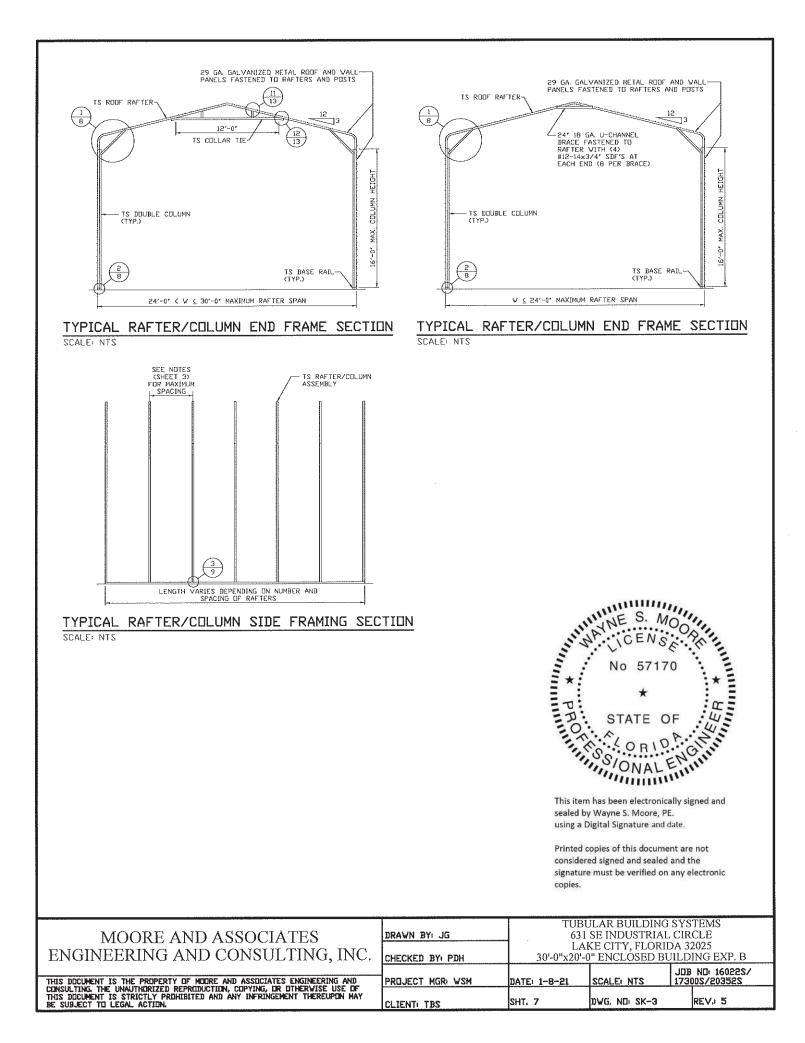


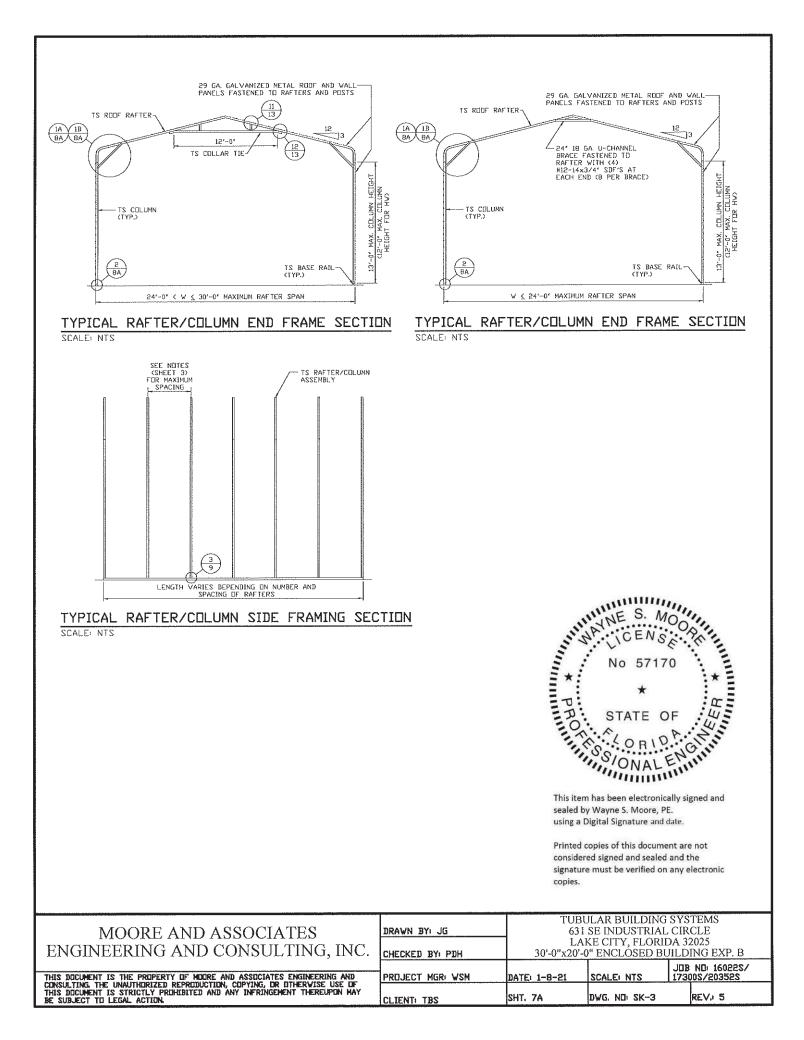


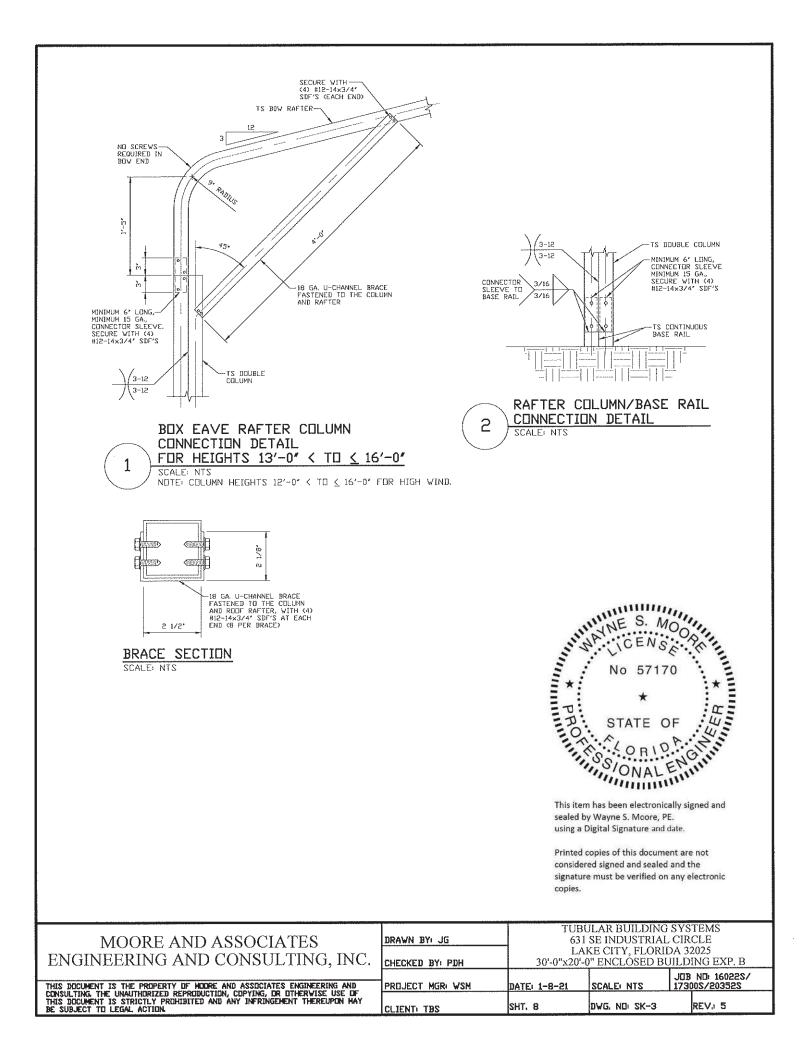


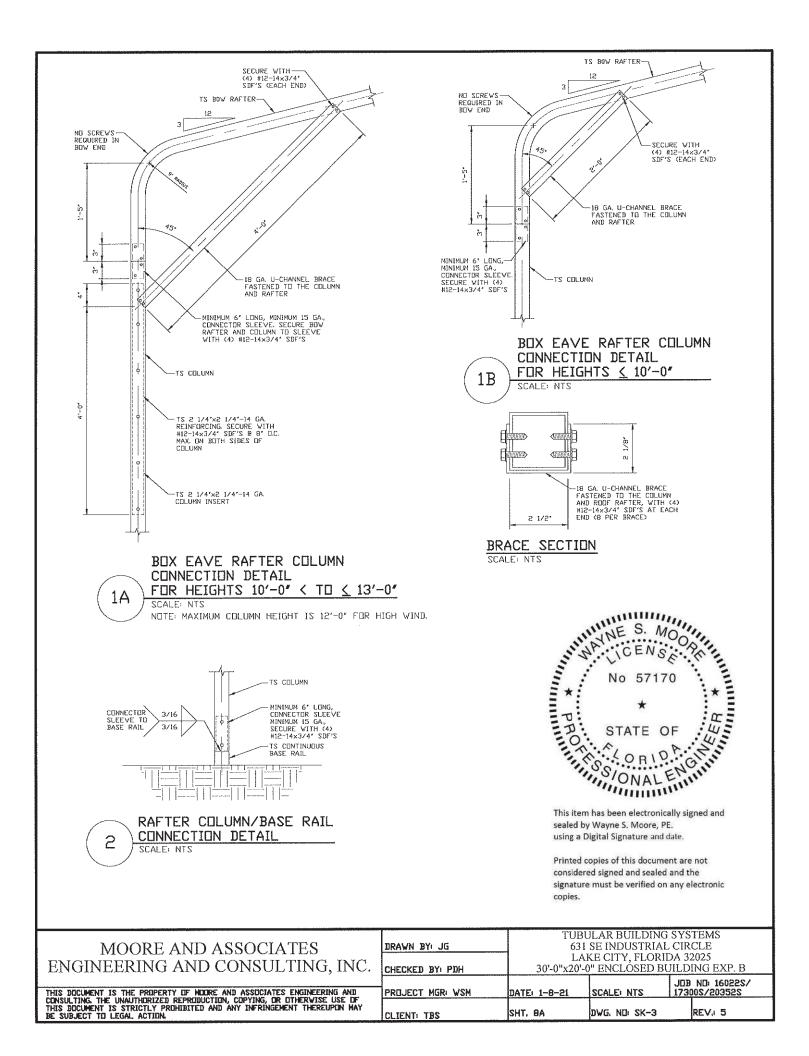










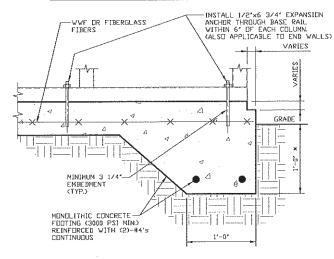


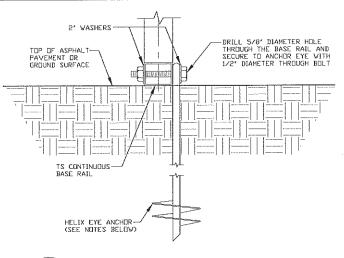
BASE RAIL ANCHORAGE OPTIONS FOR LOW AND HIGH WIND SPEED

ЗB

SCALE: NTS

(CAN BE USED FOR ASPHALT)





GROUND BASE HELIX ANCHORAGE

* COORDINATE WITH LOCAL CODES/ORD.

REGARDING MINIMUM FROST DEPTH REQ.

CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE ЗA SCALE: NTS MINIMUM ANCHOR EDGE DISTANCE IS 4"

* COORDINATE WITH LOCAL CODES/ORD. REGARDING MINIMUM FROST DEPTH REQ.

GENERAL NOTES

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

CUNCRETE

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 ACL-318 3 INCHES 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 INCHES ELSEWHERE.

REINFORCING STEEL

THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 DR 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. 2.
- 3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

HELIX ANCHOR NOTES

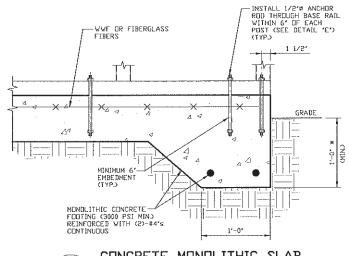
- 1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT.
- 2. FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT.
- 3. FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS,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



This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date.

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BYI JG CHECKED BYI PDH	TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B		
THIS DOCUMENT IS THE PROPERTY OF MOORE AND ASSOCIATES ENGINEERING AND CONSULTING. THE UNAUTHORIZED REPRODUCTION, COPYING, DR DTHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON WAY BE SUBJECT TO LEGAL ACTION.			SCALE: NTS DWG, ND: SK-3	JDB NB: 16022S/ 17300S/20352S REV: 5

OPTIONAL FOUNDATION ANCHORAGE FOR LOW AND HIGH WIND SPEED



CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE ЗC SCALE: NTS

MINIMUM ANCHOR EDGE DISTANCE IS 1 1/2" * COORDINATE WITH LOCAL CODES/DRD. REGARDING MINIMUM FROST DEPTH REQ.

GENERAL NOTES

NOTE: CONCRETE MONOLITHIC SLAB DESIGN 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

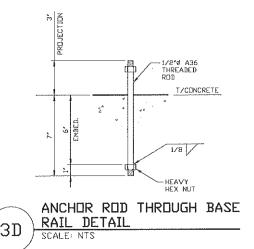
AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER, AND 1 1/2 INCHES ELSEWHERE.

REINFORCING STEEL

THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE VELDED VIRE 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.

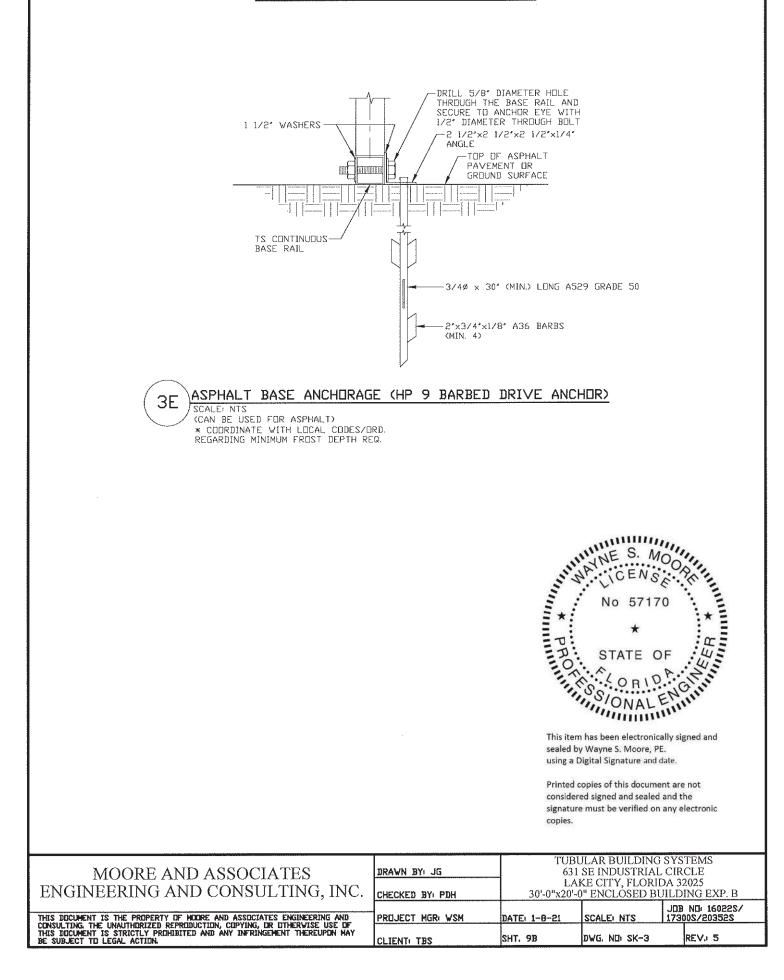




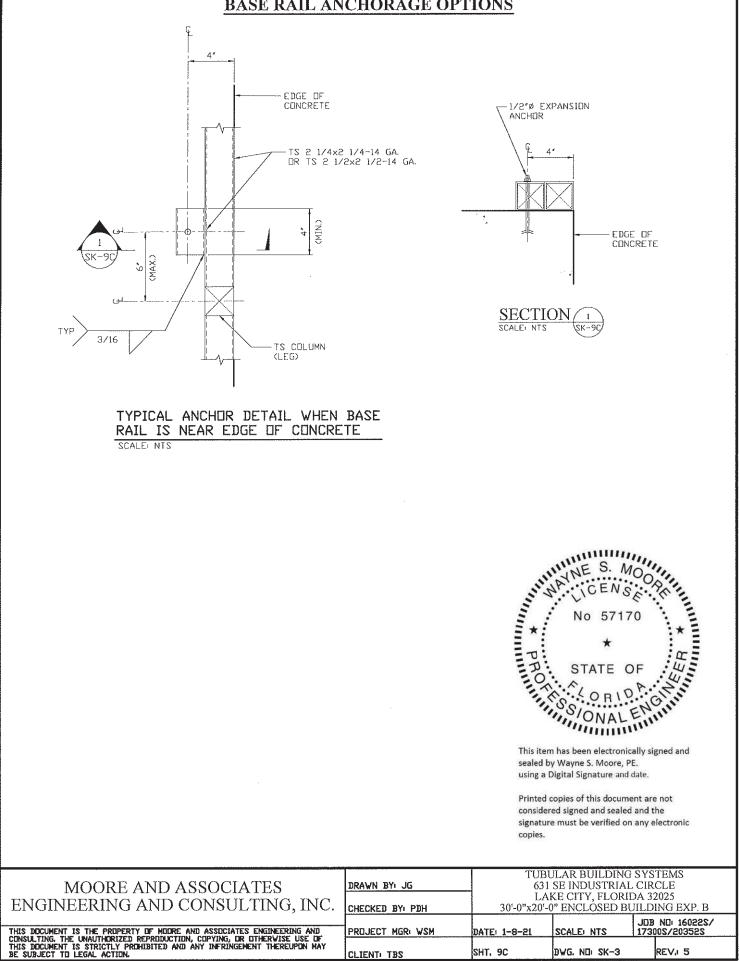
This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date.

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BYI JG	TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B		
THIS DOCUMENT IS THE PROPERTY OF MODRE AND ASSOCIATES ENGINEERING AND CONSULTING, THE UNAUTHORIZED REPRODUCTION, COPYING, OR DTHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON WAY BE SUBJECT TO LEGAL ACTION.	PREJECT MGRI WSM		SCALE: NTS DWG. ND: SK-3	JDB ND 16022S/ 17300S/20352S REV. 5

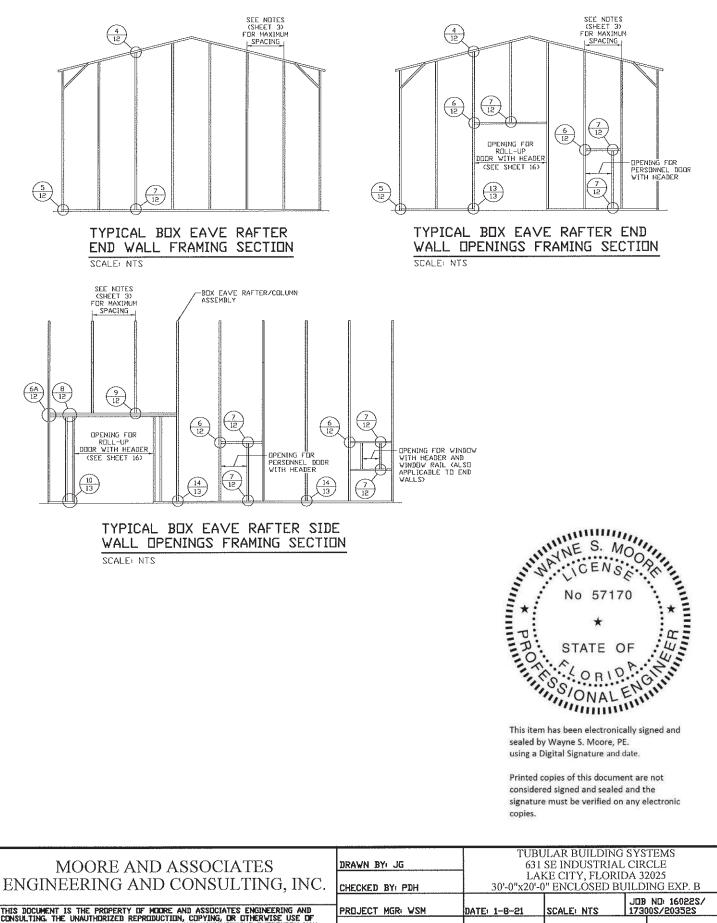
BASE RAIL ANCHORAGE OPTION



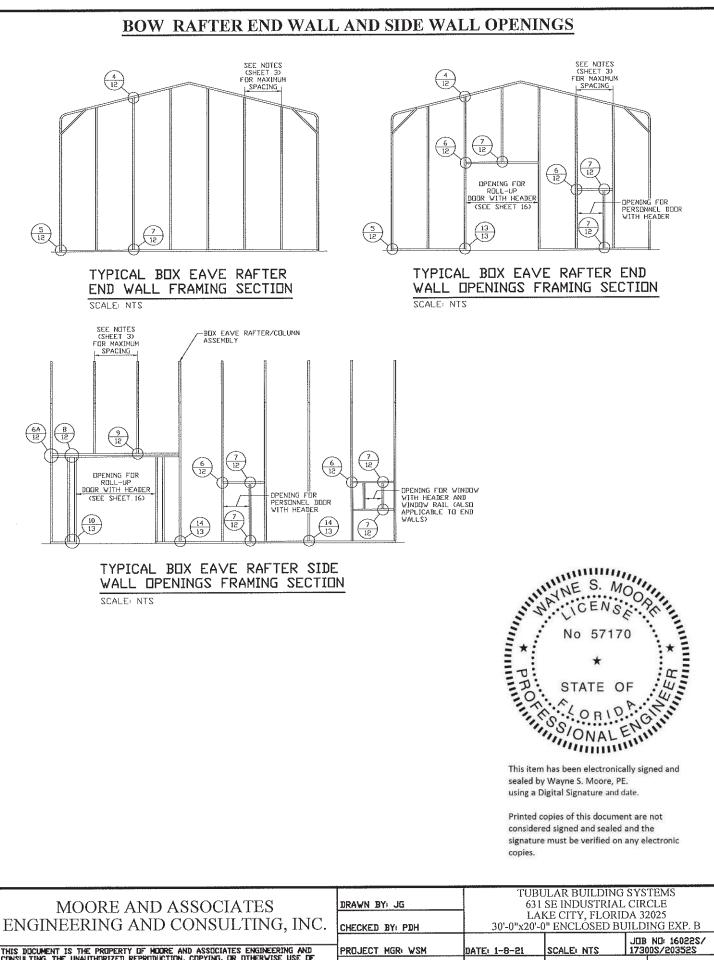
BASE RAIL ANCHORAGE OPTIONS



BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS



THIS DOCUMENT IS THE PROPERTY OF MOORE AND ASSOCIATES ENGINEERING AND CONSULTING. THE UNAUTHORIZED REPRODUCTION, COPYING, OR OTHERWISE USE OF THIS DOCUMENT IS STRUCTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION. SHT. 10 DWG. ND: SK-3 REV. 5 CLIENT: TBS

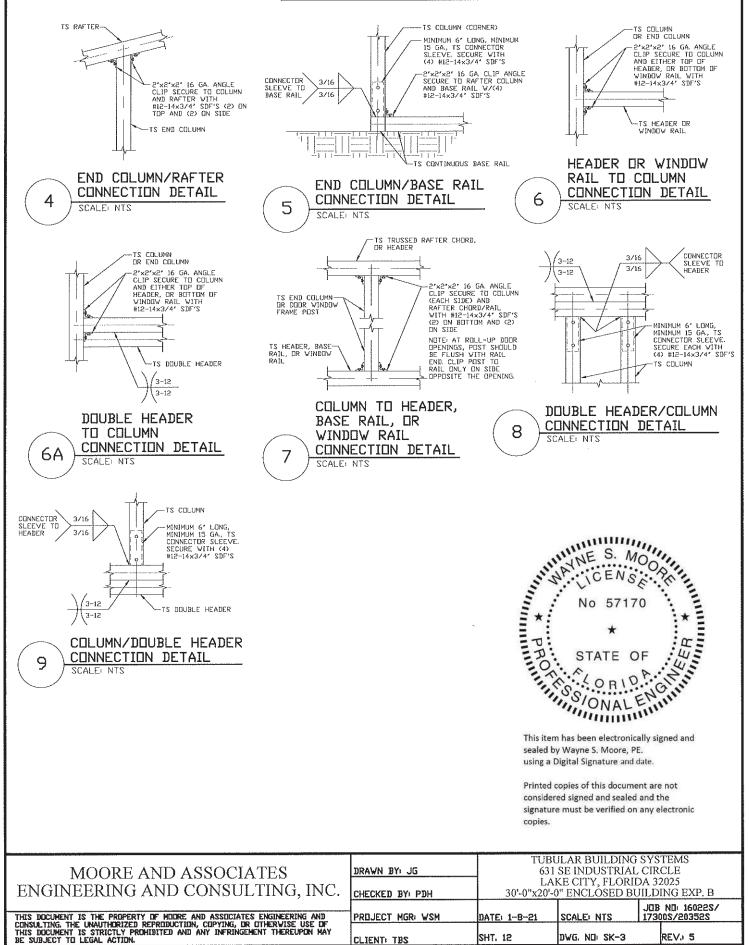


THIS DOCUMENT IS THE PROPERTY OF MOORE AND ASSOCIATES ENGINEERING AND CONSULTING THE UNAUTHORIZED REPRODUCTION, COPYING, OR DITHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.

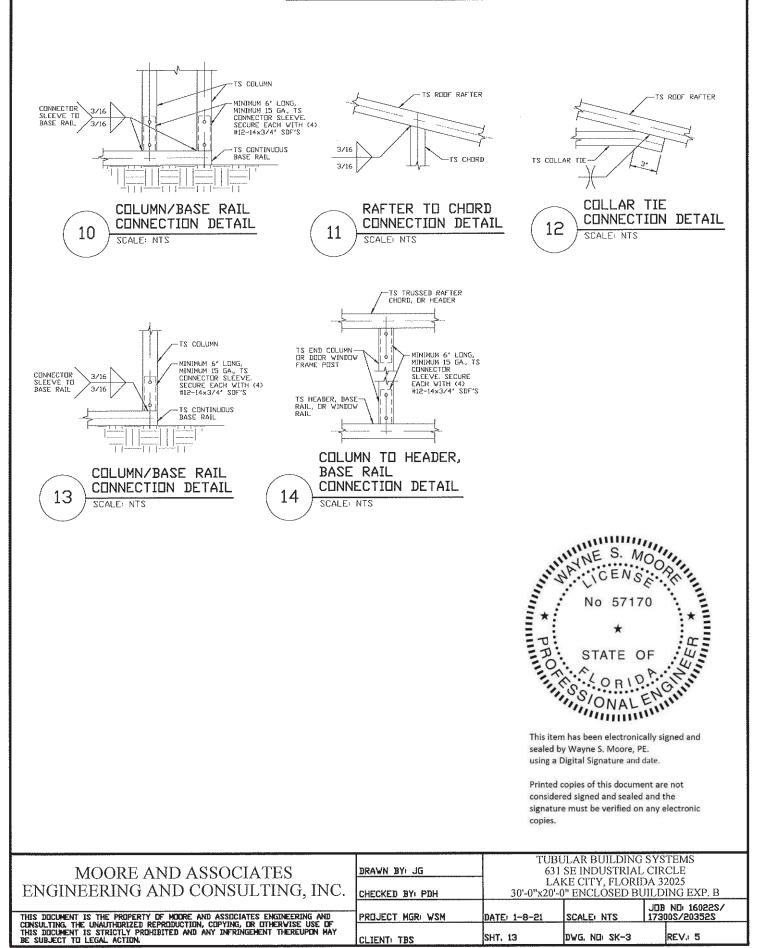
CLIENTI TBS SHT. 11 DWG. NDI SK-3

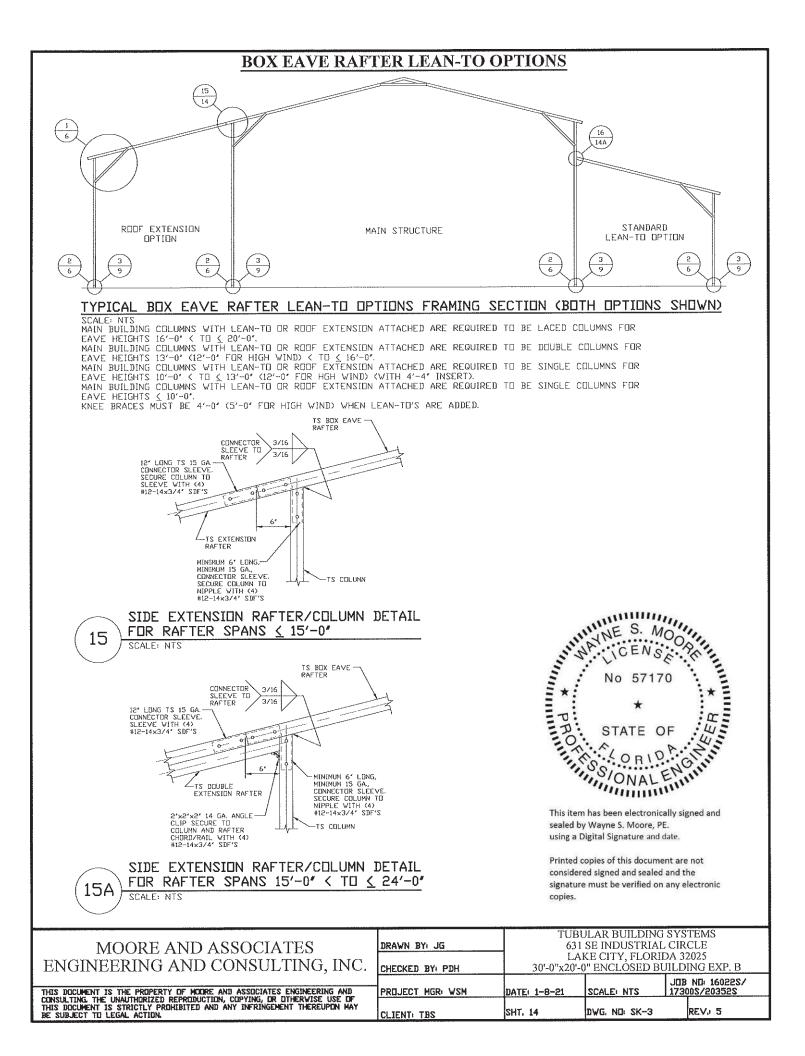
REV. 5

CONNECTION DETAILS

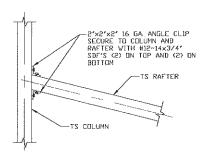


CONNECTION DETAILS



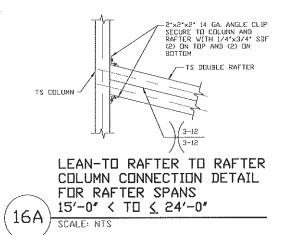


BOX EAVE RAFTER LEAN-TO OPTIONS



LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS ≤ 15'-0" SCALE: NTS

16

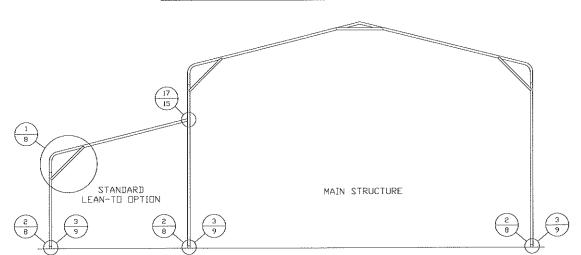




This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date.

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BYI JG CHECKED BYI PDH	TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B		
THIS DOCUMENT IS THE PROPERTY OF MODRE AND ASSOCIATES ENGINEERING AND CONSULTING. THE UNAUTHORIZED REPRODUCTION, COPYING, OR OTHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.	PROJECT MGRI WSM		SCALE: NTS DWG, ND: SK-3	JUB ND 160225/ 173005/203525 REV. 5

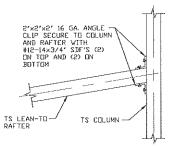
BOW RAFTER LEAN-TO OPTIONS

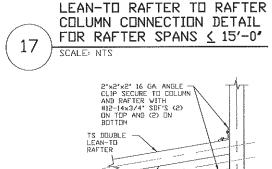


BOW RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN) TYPICAL

SCALE: NTS

SCALE NIS MAIN BUILDING COLUMNS WITH LEAN-TO OR RODF EXTENSION ATTACHED ARE REQUIRED TO BE DOUBLE COLUMNS FOR EAVE HEIGHTS 13'-0' (12'-0' FOR HIGH WIND) < TO < 16'-0'. MAIN BUILDING COLUMNS WITH LEAN-TO OR RODF EXTENSION ATTACHED ARE REQUIRED TO BE SINGLE COLUMNS FOR EAVE HEIGHTS 10'-0' < TO < 13'-0' (12'-0' FOR HIGH WIND) (WITH 4'-4' INSERT). MAIN BUILDING COLUMNS WITH LEAN-TO OR ROOF EXTENSION ATTACHED ARE REQUIRED TO BE SINGLE COLUMNS FOR EAVE HEIGHTS (10'-0' < TO < 13'-0' (12'-0' FOR HIGH WIND) (WITH 4'-4' INSERT). KNEE BRACES MUST BE 4'-0' (5'-0' FOR HIGH WIND) WHEN LEAN-TO'S ARE ADDED.





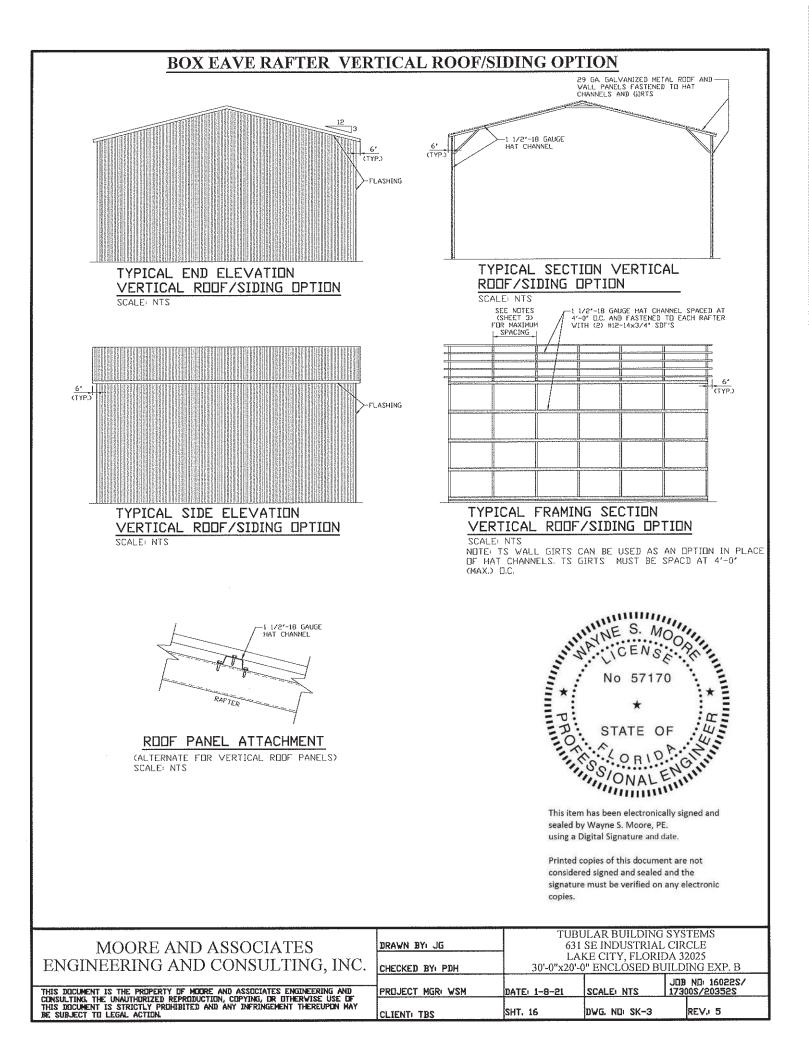
TS DOUBLE LEAN-TO RAFTER TO RAFTER

COLUMN CONNECTION DETAIL FOR RAFTER SPANS 15'-0" < TD ≤ 24'-0"

17A SCALE: NTS NO 571 * * NO 571 * * * * * * MO No 57170 .uumun STATE OF F

This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date.

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BYI JG CHECKED BYI PDH	TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B		
THIS DOCUMENT IS THE PROPERTY OF MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, THE UNAUTHORIZED REPRODUCTION, COPYING, OR DIMERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.	PROJECT MGRI WSM	DATE: 1-8-21 SHT. 15	SCALE: NTS DWG, ND: SK-3	JOB ND: 16022S/ 17300S/20352S REV: 5

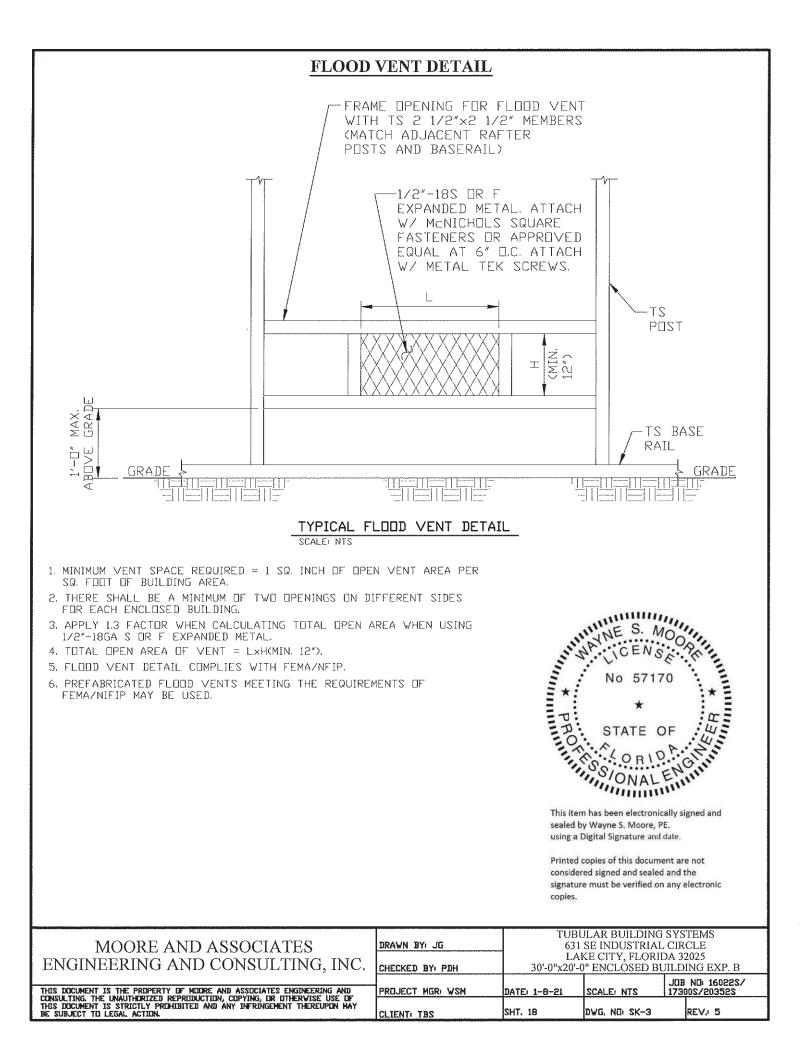


SIDE WALL HEADER OPTIONS 2 1/2×2 1/2-14 GA. (TYP.) TS HEADER ້ທ 3/16 TYP 3/16 HEADER DETAIL FOR DOOR HEADER DETAIL FOR DOOR DPENINGS $10'-0'' < \text{LENGTH} \leq 15'-0''$ □PENINGS < 10'-0" SCALE: NTS SCALE: NTS **END WALL HEADER OPTIONS** 2 1/2×2 1/2-14 GA. (TYP.) TS HEADER ñ 3/16 ТΥР 3/16 HEADER DETAIL FOR DOOR HEADER DETAIL FOR DOOR DPENINGS 12'-0" < LENGTH < 15'-0" DPENINGS ≤ 12'-0" SCALE: NTS SCALE: NTS NE PROFIL S MO No 57170 STATE OF ONAL 1111111 This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. TUBULAR BUILDING SYSTEMS MOORE AND ASSOCIATES DRAWN BY: JG 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B ENGINEERING AND CONSULTING, INC. CHECKED BY PDH

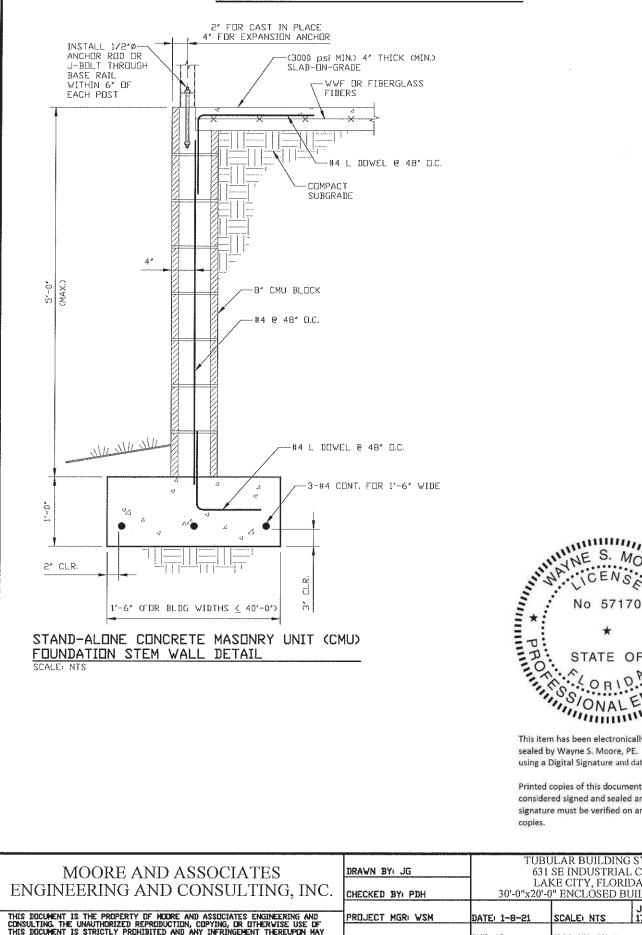
THIS DOCUMENT IS THE PROPERTY OF MODRE AND ASSOCIATES ENGINEERING AND I CONSULTING THE UNAUTHORIZED REPRODUCTION, COPYING, OR OTHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.

 PREJECT MGR:
 WSM
 DATE:
 1-8-21
 SCALE:
 ND:
 16022S/

 CLIENT:
 TBS
 SHT.
 IT
 DWG.
 NE:
 SK-3
 REV.:
 5



STAND -ALONE STEM WALL DETAIL





This item has been electronically signed and sealed by Wayne S. Moore, PE. using a Digital Signature and date.

MOORE AND ASSOCIATES	DRAWN BYI JG		TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE		
ENCINEEDING AND CONCLUTING INC.	CHECKED BY PDH	LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B			
THIS DOCUMENT IS THE PROPERTY OF HOORE AND ASSOCIATES ENGINEERING AND	PREJECT MGR: WSM	DATE: 1-8-21	SCALE: NTS	JDB ND: 160225/ 173005/203525	
CONSULTING, THE UNAUTHORIZED REPRODUCTION, COPYING, OR OTHERVISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.	CLIENT: TBS	SHT. 1 9	DWG. NDI SK-3	REV. 5	

