

STRUCTURAL DESIGN

ENCLOSED BUILDING EXPOSURE B

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

29 July 2021 Revision 6 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, Inc. 1009 East Avenue North Augusta, SC 29841

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

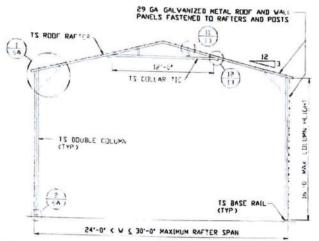
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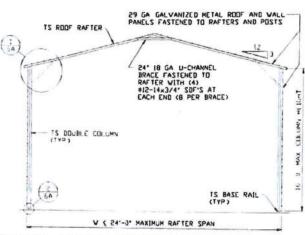


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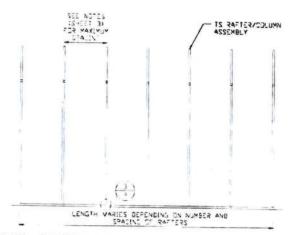
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TYPICAL RAFTER/COLUMN END FRAME SECTION



TYPICAL RAFTER/COLUMN END FRAME SECTION



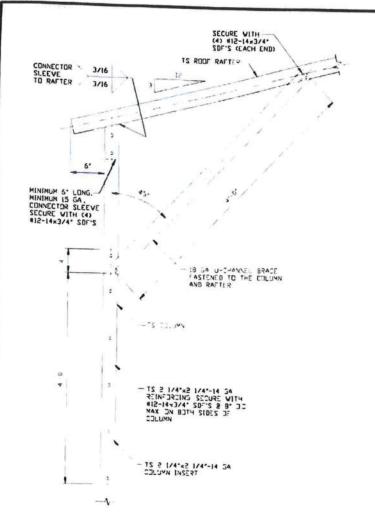
TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION



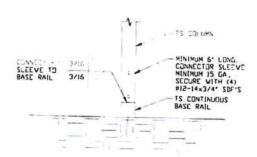
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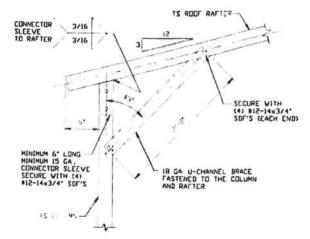
MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAVN BY: JG CHECKED BY: PDH	- 63 LA	TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP.		
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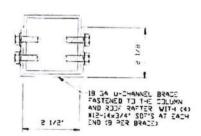
BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS 10'-0' < TO \(\) 13'-0' SCALE NTS NOTE MAXIMUM COLUMN HEIGHT IS 12'-0' FOR HIGH WIND



2 RAFTER COLUMN/BASE RAIL
CONNECTION DETAIL



BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS & 10'-0'



BRACE SECTION



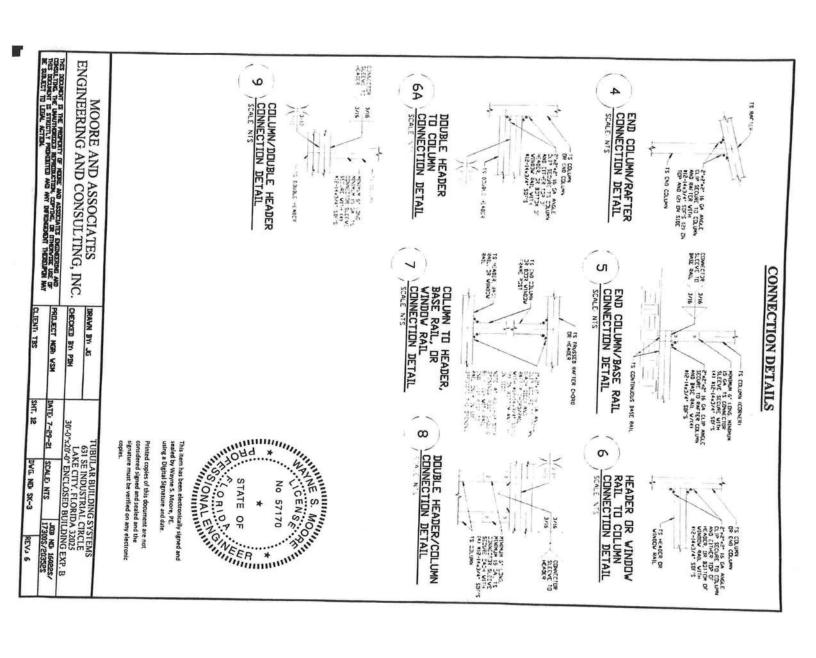
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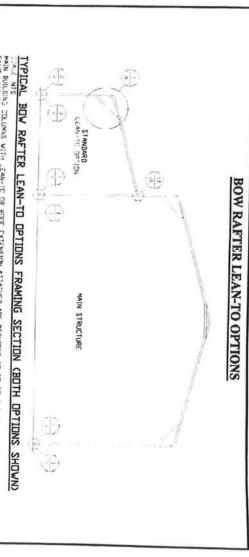
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DRAWN BYI JG	TUBULAR BUILDING SYSTEMS 631 SE INDUSTRIAL CIRCLE LAKE CITY, FLORIDA 32025 30'-0"x20'-0" ENCLOSED BUILDING EXP. B				
CHECKED BY: PDH					
PROJECT MGR: VSM	DATE: 7-29-21	SCALE: NTS	JOB NO 160225/ 173005/203525		
CLIENT: TBS	SHT. 68	DVG. ND SK-3		REV. 6	





MAIN BUILDING COLUMNS WITH LEAN-TO DR BOUF EXTENSION ATTACHED ARE REQUIRED TO BE DOUBLE COLUMNS FOR MAIN BUILDING COLUMNS WITH LEAN-TO DR BOUF EXTENSION ATTACHED ARE REQUIRED TO BE SINGLE COLUMNS FOR MAIN BUILDING COLUMNS WITH LEAN-TO DR BOUF EXTENSION ATTACHED ARE REQUIRED TO BE SINGLE COLUMNS FOR MAIN BUILDING COLUMNS FOR MAIN BUILDING COLUMNS FOR MAIN BUILDING COLUMNS FOR THE ACTUAL BUILDING COLUMNS FOR MAIN BUILDING COLUMNS FOR THE ACTUAL BUILDING COLUMNS FOR THE ACTUAL BUILDING COLUMNS FOR THE BRACES MUST BE 4-3" CST-3" FOR HIGH WINDS WHEN LEAN-TO'S ARE ADDED



LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS \(\) 15'-0'

COLUMN 15 DOUBLE

LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR RAFTER SPANS 15'-0' < TO \(\) 24'-0'

No 57170

* No 57170

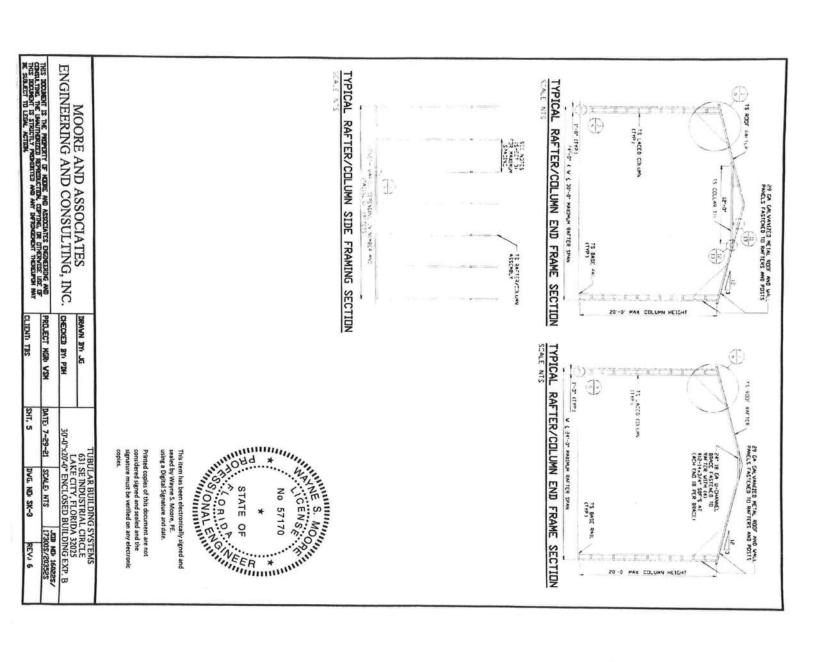
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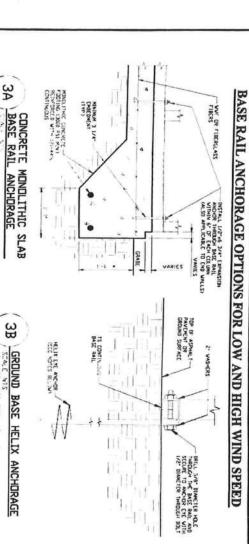
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PROJECT MOR! WSM HECKED BY: PDH BAYN BY JG SHT. 15 MTE: 7-29-21 TUBULAR BUILDING SYSTEMS
631 SE INDUSTRIAL CIRCLE
LAKE CITY, FLORIDA 32025
30'-0"X20'-0" ENCLOSED BUILDING EXP. B DAC NO 2K-3 SCALE NTS 17300S/20352S/





SEARSING WINDOW SORT DEPTH RES SCHOOLS ALTH FORT SORESAND ASSENCE IN C.

COAN BE USED FOR ASPHALTS
A DEUTROINATE WITH LOCAL CODES/ORD
RECARDING MINIMUM FROST DEPTH REC

GENERAL NOTES

NOTE: CONCRETE MONOCITHIC SLAB DESIGN ON MINIMUM SOIL CONCRETE

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIOUM CONTRETE COVER DVER REINFORCING BARS SHALL BE REA ACT-318 3 INCHES IN FOUNDATIONS WHERE THE CONGRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT VITH THE EARTH OR EXPOSED TO THE EARTH OR VENATHER, AND 1 1/2 INCHES ELSEVHERE

THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 50 THE SLAB REINFORCEMENT SHALL BE ASCUED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT REINFORCING STEEL

SHOP OR THE FIELD PROVIDED REINFORCEMENT MAY BE BENT IN THE

- I REINEDREEMENT IS BENT COLD

 2 THE DIAMETER OF THE BROW PEASURED ON THE INSIDE OF THE
 BAR, IS NOT LESS THAN SIX-BAR DIAMETERS
 BE FIELD BENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT
 BE FIELD BENT

HELIX ANCHOR NOTES

- 2 FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH AND COBBLES CALICAE PRELIABED SILTS AND CLAYS USE MINIMUM CD NEW CALICAE PRELIABED SILTS AND CLAYS USE MINIMUM 30 INCH EMBEDMENT
- 3 FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS VERY STIFF SILTS, AND CLAYS USE MINIMUM (2) 4" HELICES VITH MINIMUM 30 INCH EMBEDWENT
- 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 FOR LOSSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SIL'S ALLUVIAL FILL USE MINIMUM (2) 6" HELICES VITH MINIMUM SO INCH EMBEDRENT

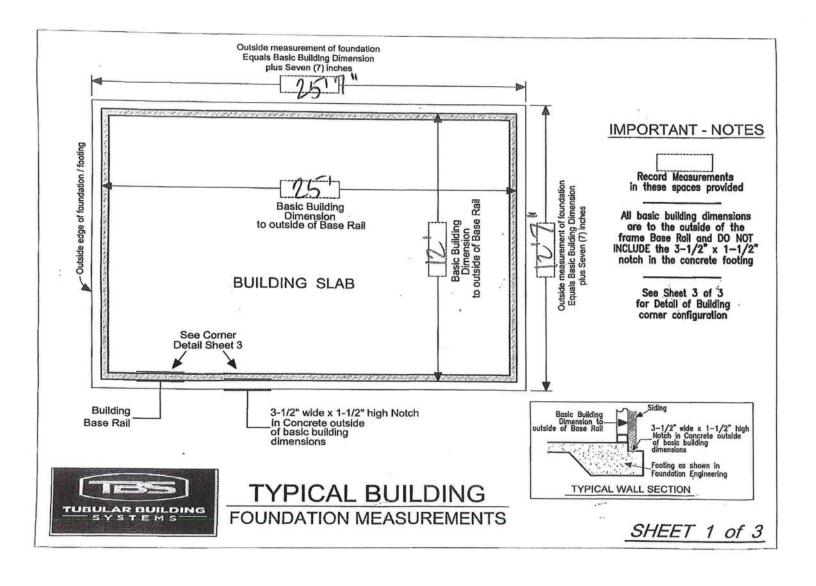
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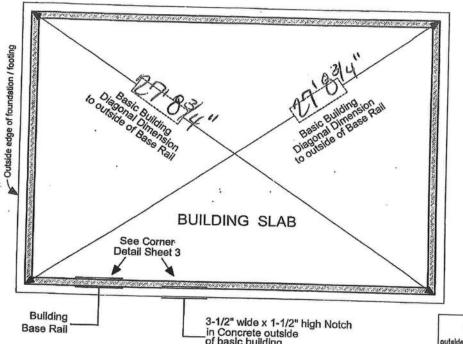
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METAN WAL	AN STORE OF	G, INC.		
CLIENT: TBS	PROJECT MOR VSM	CHECKED BY: PDH	DRAWN BY JG	
SHT. 9	DATE: 7-29-21 SCALE: NTS	30'-0"x20'-	631	
DAC NO SK-3	SCALE: NTS	0'-0"x20'-0" ENCLOSED BUILDING EXP	631 SE INDUSTRIAL CIRCLE	
REV. 6	JOB NO. 16022S/ 17300S/20352S	UILDING EXP. B	LCIRCLE	





IMPORTANT - NOTES

Record Measurements in these spaces provided

All basic building diagonal dimensions are to the outside corner of the frame Base Rail and DO NOT INCLUDE the 3-1/2" x 1-1/2" notch in the concrete footing

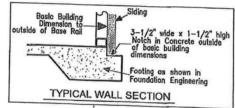
See Sheet 3 of 3 for Detail of Building corner configuration



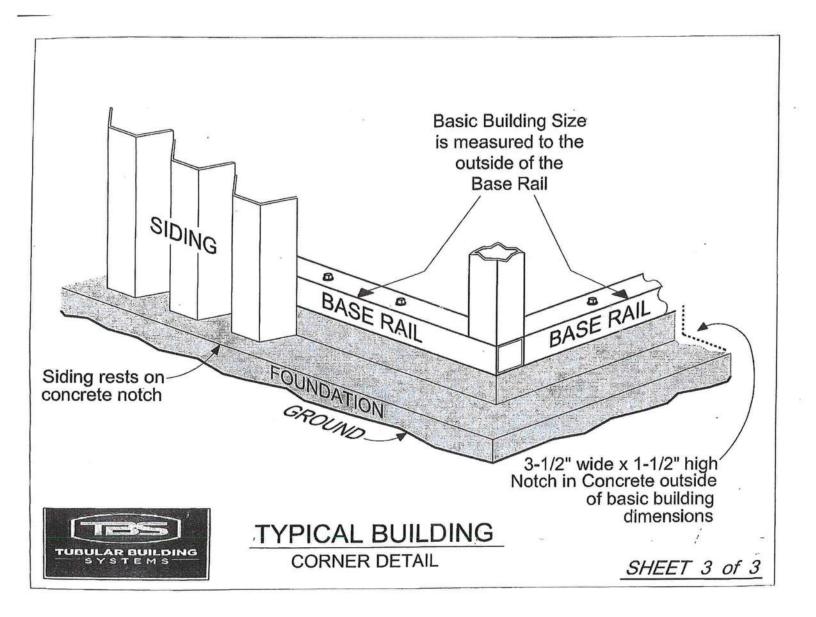
3-1/2" wide x 1-1/2" high Notch in Concrete outside of basic building dimensions

TYPICAL BUILDING

FOUNDATION MEASUREMENTS DIAGONALS



SHEET 2 of 3



BUILDING VIEW

