OPEN LEAN TO: ROOF: LIVE LOAD DESIGN PRESSURES (PSF): MEAN ROOF HEIGHT (FEET): ROOF ANGLE (DEGREES): BUILDING ENCLOSURE TYPE: MAXIMUM DISPLACEMENT: WIND EXPOSURE CATEGORY: NOMINAL DESIGN WIND SPEED (MPH): OBSTRUCTED WIND FLOW: ZONE 1: ZONE 2: ZONE 3: DESIGN ROOF PRESSURES: WINDOW: DESIGN WALL PRESSURES ZONE 3: DESIGN ROOF PRESSURES SWINGING DOOR: DESIGN ROOF PRESSURES EAR WIND FLOW: 7.7 KIP +18.8/-20.4 +18.8/-25.2 +18.8/-21.6 13.5 L/240 +18.8 / -20.4 14.0 120 +18.1/-19.6 ENCLOSED 93 PROPOSED METAL BUILDING FOUNDATION & SHELL STRUCTURAL DESIGN ONLY. ALL OTHER REQUIRED PERMITS TO BUILD OUT TO A HABITABLE LIVING SPACE ARE TO BE BY OTHERS/ PER SEPERATE CERTIFICATE. INCLUDING BUT NOT LIMITED TO, ELECTRICAL PLUMBING, ENERGY CALCS., ETC. FOR MORE PLUMBING, DERGY CALCS., ETC. FOR MORE INFORMATION VISIT. REAR ELEVATION FRONT ELEVATION nglic.com/order/ OR SCAN QR



GENERAL NOTES

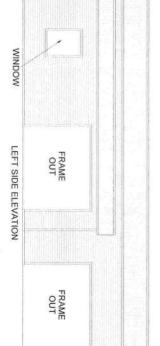
APPUCABLE CODES, REGULATIONS, & STANDARDS
A, THE 2020 FLORIDA BUILDING CODE, 7TH EDITION
B, ASCE 7-16 & SELT
C, ACI318 CONCRETE REFRENCE MANUAL

THESE STRUCTURES ARE ENGINEERED AS (RISK CATEGORY 2) CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND LIVE AND WIND LOADS. UPGRADES NOT SPECIFICALLY ADDRESSED HEREIN, SUCH AS WINDOWS, DOORS, OR AND THE COMPONENT NOT LISTED IN THE FLORIDA BUILDING CODE APROVED PRODUCT LIST. AND NOT PROVIDED AND INSTALLED BY TUBULAR BUILDING SYSTEMS, WHICH CAUSE ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. FLORIDA ENGINEERING LLC. SHALL NOT BE RESPONSIBLE FOR FAILURE OR STRUCTURAL DAMAGE DUE TO THE EXTRA LOAD.

THESE PLANS BELONG EXCLUSIVELY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (MWFRS), COMPONENTS AND CLADDING (C&C), AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PROPERTY SET-BACKS, ELECTRICAL, PLUMBING, INGRESS/EGRESS, FINISH FLOOR SLOPES AND ELEVATIONS, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE LIABILITY OF OTHERS.





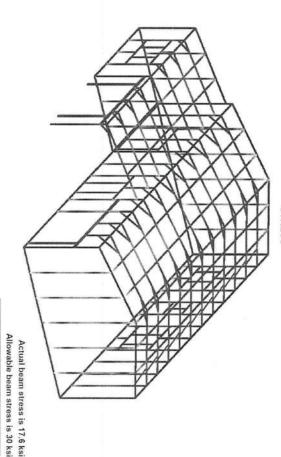


RIGHT SIDE ELEVATION

WINDOW

3-D FINITE ELEMENT ANALYSIS PERFORMED STRUCTURE COMPLIES w/ FBC 2020 7th EDITION





CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL No. & DATE
URAL	ROOF DECK	CAPITAL METAL SUPPLY, INC. 29 GA. CAPITAL RIB ROOF PANEL	FL20147.2-R2 10/13/20
URAL	STRUCTURAL WALL	CAPITAL METAL SUPPLY, INC. 29 GA. CAPITAL RIB WALL PANEL	FL20148.2-R2 10/13/20
RS	SWINGING	JELD-WEN A. DESIGN PRO / SMOOTH PRO / STUDIO FIBERGLASS	FL13541.1-R18 12/17/20
SWO	SINGLE HUNG	YKK AP AMERICA YVS 400 TU SINGLE HUNG / DOUBLE HUNG WINDOW (NON-HVHZ) (NON-IMPACT)	FL12878.1-R4 12/15/20

CONTRACTOR:

DRAWIN RY REVISION 2: REVISION 1: DESIGN DATE:

DATE MAC

01/13/2023 DATE

STRUCT

PRODUCT C

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EXTER

WINDO

15. ALL OPEN AREAS OF CONCRETE OUTSIDE OF THE PROPOSED STRUCTURE SHALL BE DESIGNED TO SLOPE AWAY FROM THE STRUCTURE.

A LANDING OF MIN. 35" WIDTH IN THE DIRECTION OF TRAVEL SHALL BE PROVIDED AT THE EXTERIOR DOORS. SLOPE OF LANDING NOT TO EXCEED 1/4"-1". LANDING LEVEL NOT TO BE LOWER THAN 1-1/2" (FOR EGRESS DOORS)

11. GROUND ANCHOR (SOIL NAILS) CONSIST OF #5 REBAR W/ WELDED NUT X 30" LONG IN SUITABLE SOIL CONDITIONS MAY BE USED FOR LOW (\$ 108 MPH NOMINAL) WIND SPEEDS ONLY, OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USE IN UNSUITABLE SOILS AS NOTED.

10 GROUND ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH RAFTER COLUMN ALONG SIDES

WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARESOLI, SITE CLASS = D. RISK CATEGORY HUMII.

RE 3.25
Sds = 0.087 g V = CsW
Sdi = 0.084 g

AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS, INTERIOR = 9" OR END = 6", (MAX.).

ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE ZINC COATED HARDWARE

HIGH ULTIMATE WIND SPEED 141 TO 170 MPH (NOMINAL WIND SPEED 109 TO 132 MPH); MAXIMUM RAFTER/POST AND END POST SPACING = 4.0 FEET 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.

FASTENERS CONSIST OF #12-14 x 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 MAY VARY.

SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2" x 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).

13. SOIL TO BE COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY, AT OPTIMUM MOISTURE CONTENT, IN ACCORDANCE WITH ASTM D1557-93

PRIOR TO PLACING CONCRETE, TREAT THE ENTIRE SUBSURFACE AREA FOR TERMITES IN COMPLIANCE WITH THE FBC. FOR RISK CATEGORY II, III, & IV STRUCTURES ONLY.



FLORIDA ENGINEERING LLC 4161 TAMIAMI TRAIL, UNIT 101 PORT CHARLOTTE, FLORIDA 33952 (941) 391-5980 FLEng.com

PROJECT NO. 2301065

Orders@FLEng.com CA CERT. #30782 electronic copies.

This item has been electronically

signed and sealed by Craig E.

Gunderson, P.E. on date below using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any

> Date: Gunderson by Craig E Digitally signed 2023.01.13

15:46:10 -05'00

PROJECT ADDRESS: VIDAL

TUBULAR BUILDING SYSTEMS

475 SW BLAYLOCK CT LAKE CITY, FL 32024