MATERIALS AND ASSEMBLY TEST

1. EXTERIOR WINDOWS, SLIDING AND PATIO GLASS DOOMS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND SHALL BE LABELED WITH ANAPPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT CERTIFICATION AGENCY, TESTING LABORATORY, EVALUATION ENTITY OR FLORIDA STATE-WIDE PRODUCT APPROVAL NUMBER TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS: ANSI/JAAMA/NUWUDA 101/1-S. 2-97 OR TAS 202

2. EXTERIOR DOOR ASSEMBLIES SHALL BE TESTED FOR STRUCTURAL INTEGRITY IN ACCORDANCE WITH ASTM E330 AT A LOAD OF 1.5 TIMES THE REQUIRED DESIGN PRESSURE 4. ROOF DESIGN PRESSURES
ZONE 1 = +9.6 PSF / -21.0 PSF
ZONE 2 = +9.6 PSF / -28.1 PSF
ZONE 3 = +9.6 PSF / -35.9 PSF 6. THE FOLLOWING STRUCTURAL DIMENSIONS (AS CALLED ON ON THESE ENGINEERING PLANS), ARE MAXIMUM ALLOWABLE.
A. WIDTH (HORIZONTAL DIMENSION OF GABLE WALL)
B. LENGTH (HORIZONTAL DIMENSION OF KION-GABLE WALL)
C. STRUCTURE HEIGHT (WITH THE LIMITATION THAT THE ROOF SLOPE AS CALLED OUT ON GENERAL NOTES

1. STEEL FRAMES SHALL BE SPACED NO MORE THAN 60° O.C. U.N.O. ON PLAN, ALL TUBE STEEL SHAPE STRENGTHS ARE 46 KSI STEEL ALL CUPS ARE 36 KSI STEEL. 1. 2023 FLORIDA BUILDING CODE (8TH EDITION)

2. ASCE/SEI 7-22: MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES

3. AISC STEEL CONSTRUCTION MANUAL (15TH EDITION)

4. ACI 318-19: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE THE STRUCTURAL DESIGN COVERED UNDER THE SCOPE OF WORK OF THESE ENGINEERING PLANS IS VALID FOR STRUCTURES THAT HAVE DIMENSIONS EQUAL TO OR LESS THAN THOSE CALLED OUT. 5. DOOR JAMBS SUPPORTING HEADERS LONGER THAN 10' MUST BE DOUBLE TS. FRAMEOUT HEADERS MAY BE SINGLE TS FOR UP TO 5' LENGTH AND DOUBLE TS UP TO 24' LENGTH. CONTRACTOR TO PROVIDE DOORS AND WINDOWS THAT ARE APPROVED BY THE BUILDING CODE AND CAPABLE OF RESISTING MINIMUM WIND DESIGN PRESSURES AS TABULATED. 2. STEEL WELD STRENGTH SHALL BE 55 KSI TYP. ALL WELDS SHALL BE 1/8" MINIMUM FILLET WALL DESIGN PRESSURES ZONE 4 = +15.5 PSF / -17.0 PSF ZONE 5 = +15.5 PSF / -19.3 PSF ULTIMATE/BASIC/LRFD WIND SPEED = 140 MPH NOMINAL/ASD WIND SPEED = 110 MPH EXPOSURE CATEGORY = B STRUCTURAL DESIGN DATA 5. AWS D1.1: STRUCTURAL WELDING APPLICABLE CODES & STANDARDS THE PLANS IS NOT EXCEEDED) 4. FRAMEOUT HEADERS INTERCEPTING LOAD-BEARING UPRIGHTS MUST BE DOUBLE TS. Doors and windows may be relocated to any wall and repositioned along any wall by the contractor in Field. EACH LOCATION WHERE THE FRAME IS JOINED TOGETHER WILL HAVE 2 SCREWS ON EACH SIDE OF THE JOINT. 4. ALL STEEL-TO-STEEL FASTENERS ARE TO BE 12-14 x 1/4 HWU ULTRA-2 TCP3 CS. B. WHEN EMBEDDED INTO ASPHALT, USE HELICAL ANCHORS AS CALLED OUT IN THE HELICAL ANCHOR CONNECTION DETAIL, OR 30" LONG #5 REBAR WITH A NUT WELDED TO THE TOP, SHALL BE INSTALLED AT 12" ON CENTER FROM EACH SIDE AND THE BALANCE AT 55" O.C. WHEN PLACED ON A 4" CONCRETE SLAB, A 1/2" EXPANSION ANCHOR WITH 2-1/2" OF SECTIONAL GARAGE DOORS SHALL BE TESTED FOR DETERMINATION OF STRUCTURAL PERFORMANCE UNDER UNIFORM STATIC AIR PRESSURE DIFFERENCE IN ACCORDANCE WITH ANSI/DASMA 115 OR TAS 201,202 AND 203. ROOF OVERHANG DESIGN PRESSURES ROOF LIVE LOAD = 12 PSF
 WIND DATA OCCUPANCY CLASSIFICATION = LOW-HAZARD STORAGE (5-2) ENCLOSURE CLASSIFICATION = ENCLOSED / PARTIALLY OPEN CONSTRUCTION TYPE = II-B ANCHORING DETAILS
BUILDING SHALL BE ATTACHED WITH HELICAL ANCHORS PER THE HELICAL ANCHOR TO GRADE O A-FRAME FRONT & REAR ELEVATION TEE SPLICE CONNECTION BOW/BASE RAIL SPLICE CONNECTION POST HEIGHT HEIGHT WIDTH CODE 38.375" 37" 23 PROVIDE BARRIER BETWEEN ALUMINUM AND STEEL TO PREVENT CORROSION COMPONENTS AND CLADDING (ASD) WALL AND OPENING PRESSURES 10 GRADE 0. S-750 SINGLE CURTAIN
S-750 SINGLE CURTAIN
S-750 SINGLE CURTAIN
S-750 SINGLE CURTAIN
S-3100 SINGLE CURTAIN CONNECTION BOW SPLICE CONNECTION AT RIDGE A-FRAME BOW SECTI JN A-FRAME BOW SECTION SEAL & BLUE INK SIGNATURE. VALID WITHOUT A RAISED GENERIC PLANS ARE NOT PRESSURE (PSF) +17.6/-23.6 +16.6/-21.6 +15.8/-20.0 +15.4/-19.2 +15.3/-18.8 NOTE: AT ROLL-UP DOOR OPENINGS,
POST TO SHOULD BE FULSH WITH ANLEND.
CUP POST TO ALL ONLY ON SIDE
OPPOSTE THE OPENING.
POST TO NON-STRUCTURAL HEADER, BASE,
RAIL OR WINDOW RAIL CONNECTION DETAIL
SCALE: NTS GALV. METAL SCREW
GALV. METAL SCREW
GALV. METAL SCREW CONNECTION
METAL SIDING ROOF
METAL SIDING WALL
TUBE TO TUBE CONCRETE SLAB CONNECTION 2"X2"X14GA 2" LONG ANGLE CLIP
SECURE TO POST (EACH SIDE) AND RAFTER
CHORD/RAIL WITH #12"-14 X 3/4" SDF,
[2] ON BOTTOM AND (2) ON SIDE THE ENGINEERING ON THESE PLANS IS FOR (1) STRUCTURE ONLY AT THE PROVIDED ADDRESS. CONNECTOR SCHEDULE 1.5" FROM EACH CORNER, 10" O.C.
1.5" FROM EACH CORNER, 10" O.C.
(2) PER TUBE 3/4" 3/4" 3/4" A-FRAME SIDE ELEVATION 2"X2"X14GA 2" LONG ANGLE CLIP SECURE TO POST AND TOP OF HEADER, OR BOTTOM OF WINDOW RAIL/GIRT WITH #12-14 x 3/4" SDFS A-FRAME SIDE ELEVATION NON-STRUCTURAL HEADER OR WINDOW RAIL TO POST CONNECTION DETAIL SCALE: NTS METAL CONNECTOR PLATE File ans Examine MAX Compliance Reviewed Copy S'O' REVISION 2: DESIGN DATE: FLORIDA ENGINEERING LLC THE CARPORT COMPANY 4161 TAMIAMI TRAIL, UNIT 101 945 NW 17TH AVE OCALA FL 34475 PORT CHARLOTTE, FLORIDA 33952 DATE DATE (941) 391-5980 PROJECT ADDRESS 08/20/2024 FLEng.com 24' VERTICAL Orders@FLEng.com

PROJECT NO. 2423239

Richard E. Walker, P.E. #61240

CA CERT. #30782

SIN

PAGE

A-FRAME ENCLOSED

GENERIC PLANS