### CODES AND STANDARDS

ROOF SIDING ATTACHMENT,
1.5" HAT CHANNELS AT
36" O.C. (SEE FASTENING
SCHEDULE FOR ATTACHMENT)

2.25\*X2.25\*X16GA TOP TUBE

FRAMEDUT NOTES:

2. ROOF LIVE LOAD DESIGN IS 10 PSF. A. FLORIDA RESIDENTIAL BUILDING CODE 7TH EDITION (2020) WITH AN ULTIMATE DESIGN WIND SPEED OF 150 MPH, EXPOSURE B, NOMINAL DESIGN WIND SPEED OF 117 MPH, BUILDING RISK CATEGORY I. 1. WIND LOADS AS PER:

B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318/ 2014 EDITION).
C. MANUAL OF STANDARD PRACTICE FOR WELDING REINFORCING STEEL, INSERTS & CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION. AWS. D1.4/ LATEST EDITION D. SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR 3. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:

BUILDINGS. (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) AISC 15TH EDITION (ASD).

4. MATERIALS AND ASSEMBLY TEST AS FOLLOWS:
A. EXTERIOR WINDOWS, SLIDING AND PATIO GLASS DOORS SHALL BE LABELED WITH 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/AAMA/NUWWDA 101/1.S. 2-97 OR TAS 202

B. 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

C. 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.

STEEL FRAMES SHALL BE SPACED NO MORE THAN 56" O.C. U.N.O. ON PLAN, ALL TUBE STEEL SHAPE STRENGTHS ARE 46 KSI STEEL. ALL CUPS ARE 36 KSI STEEL.

# 6. STEEL WELD STRENGTH SHALL BE 55 KSI TYP. ALL WELDS SHALL BE 1/8" MINIMUM FILLET

ANCHORING BUILDING:

A. BUILDING SHALL BE ATTACHED WITH HELICAL ANCHORS PER THE HELICAL ANCHOR DETAIL.

B. WHEN EMBEDDED INTO ASPHALT HELICAL ANCHORS 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 O 56" ON CENTER.

C. WHEN PLACED ON A 4" CONCRETE SLAB, A 1/2" EXPANSION ANCHOR WITH 2-1/2" OF EMBEDMENT SHALL BE INSTALLED 12" FROM EACH SIDE AND THE BALANCE O 56" ON CENTER. CONCRETE SHALL BE MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.

## ALL STEEL-TO-STEEL FASTENERS ARE TO BE 12-14 x 1/4 HWU ULTRA-2 TCP3 CS.

9. EACH LOCATION WHERE THE FRAME IS JOINED TOGETHER WILL HAVE 2 SCREWS ON EACH SIDE OF THE JOINT.

OPENING TYPE

HEIGHT 38.375"

COMPONENTS AND CLADDING (ASD) WALL AND OPENING PRESSURES

WINDOW

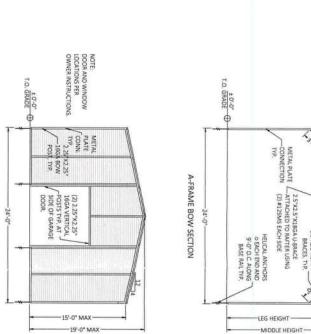
DOOR

CODE 23 3-750 5-750 5-750 5-750 5-3100

2.25°X2.25°X16GA —ROOF RAFTER MEMBERS TYP.

A-FRAME FRONT & REAR ELEVATION (18' HEIGHT)

2.5"X2.5"X14GA
—TUBE BOW AT RIDGE
TO CONNECT RAFTERS



5. DOOR JAMBS SUPPORTING HEADERS LONGER THAN 10' MUST BE DOUBLE TS. 4. FRAMEOUT HEADERS INTERCEPTING LOAD-BEARING UPRIGHTS MUST BE DOUBLE TS.

CHANNELS) TO BE METAL SCREW

DOORS AND WINDOWS MAY BE RELOCATED TO ANY WALL AND REPOSITIONED ALD WALL BY THE CONTRACTOR IN FIELD. CONTRACTOR TO PROVIDE DOORS AND WINDOWS THAT ARE APPROVED BY THE BUILDODE AND CAPABLE OF RESISTING MINIMUM WIND DESIGN PRESSURES OF 4/- 30 PSF.

0

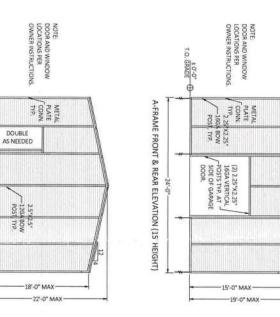
Copy

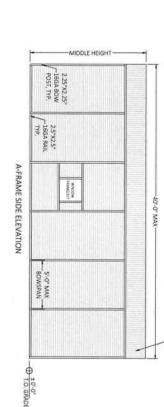
FRAMEOUT HEADERS MAY BE SINGLE TS FOR UP TO S' LENGTH AND DOUBLE TS UP

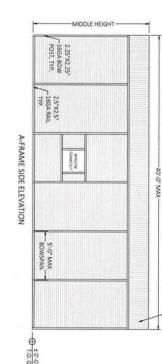
Compliance

Examine

GENERIC PLANS ARE NOT VALID WITHOUT A RAISED SEAL & BLUE INK SIGNATURE.







### MIDDLE HEIGHT A-FRAME SIDE ELEVATION

| LONG BOW UNK WELDED TO BASE RAULTIP.  1.0. GRADE | 2.25°X2.25°  BOW POST  ONE #12 EACH SIDE  MEMBERS TYP.  3° FROM BASE TYP. | TEE SPLICE CONNECTION | 2.25°X2.25°X166A<br>80W POST<br>MEMBERS TYP. |
|--|---|-----------------------|--|
| ,  | 7   |                       | CONNEC                                       |

GALV. METAL SCREW
GALV. METAL SCREW
GALV. METAL SCREW

1.5" FROM EACH CORNER, 10" O.C.
1.5" FROM EACH CORNER, 10" O.C.
(2) PER TUBE

BOW/BASE RAIL SPLICE

BOW SPLICE CONNECTION

AT RIDGE

SCALE: NTS

NON-STRUCTURAL HEADER OR WINDOW RAIL TO POST CONNECTION DETAIL SCALE: NTS

REVISION 1: REVISION 2:

PAGE:

DATE DATE DESIGN DATE:

03/03/2023

METAL SIDING ROOF METAL SIDING WALL CONNECTION

15 LENGTH 3/4" 3/4"

TYPE SELF-TAPPING SELF-TAPPING SELF-TAPPING

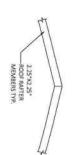
PROVIDE BARRIER BETWEEN ALUMINUM

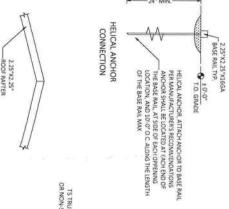
MATERIAL PRESSURE (PSF)
ALUM\* +21.0 / -28.1
STEEL +20.1 / -26.3
STEEL +19.2 / -24.6

STEEL STEEL STEEL

AND STEEL TO PREVENT CORROSION

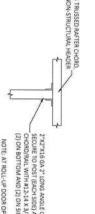
CONNECTOR SCHEDULE





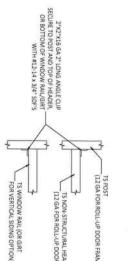
CONCRETE SLAB CONNECTION

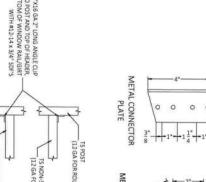
2) #5 CONT. BOTTOM

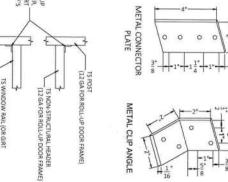












| THE CARPORT COMI<br>945 NW 17TH AVE<br>OCALA FL 34475 | PANY |
|---|------|

PROJECT ADDRESS: **GENERIC PLANS** 



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

Orders@FLEng.com

PROJECT NO. 2306184

CA CERT. #30782



DATE: 03/06/2023

### 1. WIND LOADS AS PER: CODES AND STANDARDS

A. FLORIDA RESIDENTIAL BUILDING CODE 7TH EDITION (2020) WITH AN ULTIMATE DESIGN WIND SPEED OF 150 MPH, EXPOSURE B, NOMINAL DESIGN WIND SPEED OF 117 MPH, BUILDING RISK CATEGORY!.

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3. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:

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## 8. ALL STEEL-TO-STEEL FASTENERS ARE TO BE 12-14 x 1/4 HWU ULTRA-2 TCP3 CS.

EACH LOCATION WHERE THE FRAME IS JOINED TOGETHER WILL HAVE 2 SCREWS ON EACH SIDE OF THE JOINT.

### COMPONENTS AND CLADDING (ASD) WALL AND OPENING PRESSURES

WINDOW

DOOR

DOOR

HEIGHT WIDTH CODE

38.375" 37" 23

96" 36" S-750

96" 72" S-750

96" 104" S-750

96" 120" S-750

96" 144" S-3100

2.25°X2.25°X16GA —ROOF RAFTER MEMBERS TYP,

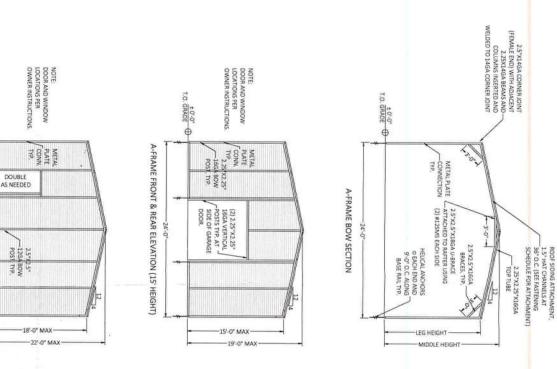
BASE RAIL TYP.

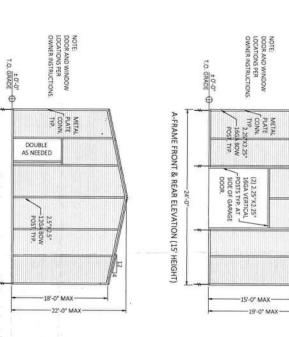
1.0. GRADE

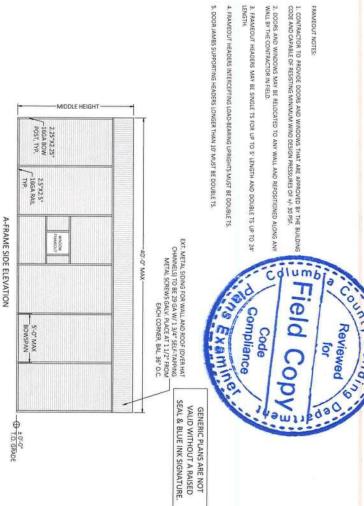
HELICAL ANCHOR, ATTACH ANCHOR TO BASE RAIL
PER MANUFACTURENS RECOMMENDATIONS
ANCHOR SYALLE BE LOCATED AT EACH BNO OF
THE BASE RAIL, AT SIDE OF EACH OPPENING
LOCATION, AND DAY OF OC A LONG THE LENGTH
OF THE BASE RAIL MAX

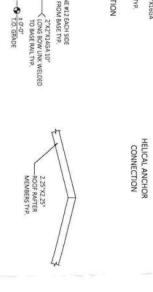
A-FRAME FRONT & REAR ELEVATION (18' HEIGHT)

DOOR









MATERIAL
GALV. METAL SCREW
GALV. METAL SCREW
GALV. METAL SCREW

SPACING

1.5" FROM EACH CORNER, 10" O.C.

1.5" FROM EACH CORNER, 10" O.C.

(2) PER TUBE

METAL SIDING ROOF
METAL SIDING WALL
TUBE TO TUBE CONNECTION

1/4"

SELF-TAPPING SELF-TAPPING TYPE SELF-TAPPING

BOW/BASE RAIL SPLICE CONNECTION

BOW SPLICE CONNECTION

AT RIDGE

SCALE: NTS

SCALE: REVISION 2:

NTS

DATE DATE

DESIGN DATE: REVISION 1:

03/03/2023

PAGE:

SINGLE CURTAIN

+20.1/-26.3 +21.0/-28.1

MATERIAL ALUM\*

PRESSURE (PSF)

PROVIDE BARRIER BETWEEN ALUMINUM

STEEL STEEL STEEL

TEE SPLICE CONNECTION

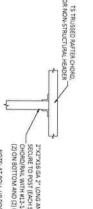
2.25"X2.25"X16GA
—BOW POST
MEMBERS TYP.

AND STEEL TO PREVENT CORROSION

CONNECTOR SCHEDULE





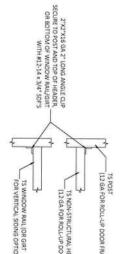


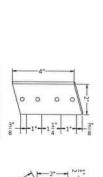
CONCRETE SLAB CONNECTION

(2) #5 CONT. BOTTOM

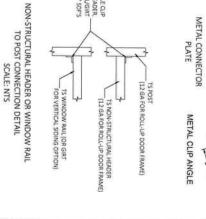












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|       | W 17 |      |       |     |
| OCAL  | A FL | 3447 | 5     |     |

PROJECT ADDRESS: **GENERIC PLANS** 



A-FRAME SIDE ELEVATION

24"-0" MAX-

HORIZONTAL BEAMS

| FLOF<br>4161<br>PORT |
|----------------------|
|                      |

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

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