

FBC APPROVED PRODUCT LIST

CATEGORY	SUBCATEGORY	MANUFACTURER & PRODUCT	APPROVAL NUMBER	MAX ALLOWABLE WINDSPEED (MPH)
STRUCTURAL COMPONENT	ROOF DECK	CARPENTS ANYWHERE, HANFORD 888 ROOF PANEL	27403.1-481	180
STRUCTURAL COMPONENT	STRUCTURAL WALL	CARPENTS ANYWHERE, HANFORD 888 WALL PANEL	27403.1	180
STRUCTURAL COMPONENT	STRUCTURAL WALL	CARPENTS ANYWHERE, RED-LAP SOUND WALL PANEL	27403.2	180

POST/TRUSS MAXIMUM SPACINGS

ULTIMATE WINDSPEED (MPH)	STRUCTURE WIDTH (FT)	MAXIMUM POST/TRUSS SPACING (FT)
120-150	6-24	5.0
150-180	24-30	4.0
>180	ALL	3.0

NOTES:
1. NOT APPLICABLE FOR STRUCTURES WITH A MEAN ROOF HEIGHT OVER 20 FEET AND/OR
2. APPLICABLE ONLY FOR ANY MATERIALS LISTED ON THE APPROVED PRODUCTS CHART AND
3. 3" O.C. REBARRED VERTICAL ROOF

GROUND ANCHOR LENGTH

(ALL BUILDING WIDTHS ≤ 30')	WIND SPEED (MPH)			
SOIL TYPE	≤ 140	145-155	160-170	175-180
VERY SOFT AND/OR DISTURBED SAND, COARSE GRAVEL	30"	30"	45"	45"
SOFT SAND, SANDY SILT, SANDY CLAY	30"	45"	45"	45"
CLAY, SILT AND ALLUVIAL FILL, FIRM TO STIFF	45"	45"	60"	60"
LOOSE SANDS, FIRM CLAYS, SILTS AND ALLUVIAL FILL	45"	60"	60"	60"

NOTES:

-TO BE TREATED AND COVERED WITH 6 MIL VAPOR RETARDANT PER SECTION R318 AND 1816 OF THE 2017 FLORIDA BUILDING CODE, 6TH EDITION

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

-REINFORCING STEEL (REBAR) REQUIREMENTS:

-MINIMUM GRADE 40 STEEL

-REBAR MAY BE BENT IN SHOP OR FIELD PROVIDED:

-THE REBAR IS BENT COLD

-THE DIAMETER OF THE BEND DOES NOT EXCEED 6-BAR DIAMETERS; AND

-REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT EXCEPT IN CASES WHERE

DOMES NEED TO BE BENT TO ALIGN WITH A VERTICAL CELL. THESE REBAR MAY BE BENT NOT TO

EXCEED TO SLOPE OF 1" HORIZONTALLY TO 6" VERTICALLY.

-COVER:

-COVER MINIMUM WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH SOIL

-2" MINIMUM AND 1" MINIMUM WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH CLAR

-DISTANCE OF 1" FOR FINE GROUT, AND 2" FOR COARSE GROUT BETWEEN REBAR AND ANY FACE OF

CELL. REBAR USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT

LESS THAN 2" FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER, AND 1 1/2" FOR MASONRY

UNITS NOT EXPOSED TO EARTH OR WEATHER.

-GALVANIZATION:

-METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO WEATHER,

SHALL BE GALVANIZED. ALL BOLTS, NUTS, WASHERS, PLATES, AND NAILS EXPOSED DIRECTLY TO WEATHER SHALL BE STAINLESS STEEL OR NOT DIPPED GALVANIZED.

THESE PLANS PERTAIN ONLY TO THE STRUCTURE INCLUDING MAIN WIND FORCE RESISTING SYSTEM, COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE, OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, FINISH FLOOR ELEVATION AND SLOPE, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.

THESE STRUCTURES ARE DESIGNED AS NON-HABITABLE UTILITY/STORAGE BUILDINGS (RISK CATEGORY I) CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WIND LOADS. IMPROVEMENTS NOT SPECIFICALLY ADDRESSED HEREIN, INCLUDING DOORS, WINDOWS, OR OTHER COMPONENTS NOT LISTED IN THE FBC APPROVED PRODUCTS LIST (THIS SHEET), AND NOT PROVIDED OR INSTALLED BY CARPORTS ANYWHERE, ARE THE RESPONSIBILITY OF THE ENGINEERING DESIGNER. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGE OR FAILURE DUE TO THE APPLICATION OF ADDITIONAL LOADS.

BASE RAIL GROUND ANCHOR REQUIREMENTS: ONE WITHIN 6" OF EVERY POST LOCATION, AND BOTH SIDES OF OPENINGS WHERE BASE RAIL PRESENT. GROUND ANCHORS ARE NOT REQUIRED FOR CONCRETE FOUNDATIONS AND/OR CONCRETE SLAB CONSTRUCTION. SEE GROUND ANCHOR SCHEDULE (THIS SHEET) FOR SPECIFIC TYPE GROUND ANCHOR REQUIREMENTS.



CODE INFORMATION
FBC 2022 7th Edition, ASCE 7-16

MANUFACTURER	CARPENTS ANYWHERE
BUILDING TYPE	UTILITY STRUCTURE
CONSTRUCTION TYPE	3-4
RISK CATEGORY	3-4
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
ACCIDENT	UTILITY 4
BASE WIND SPEED	140-160 mph
EXPOSURE	B/C
INTERNAL PRESSURE COEFFICIENT	+/- 0.9
IMPORTANCE FACTOR	1.0
ROOF DEAD LOAD	UPPER
ROOF LIVE LOAD	UPPER 40 PSF PER UBC
FLOOR DEAD LOAD	UPPER
FLOOR LIVE LOAD	UPPER
75% SLOPE OF WALL, FLOOR, ROOF	N/A
WINDSPEED PER EXPOSURE	N/A
HURRICANE PROTECTION URAE	N/A
HURRICANE SHELTER URAE	N/A
SQUARE FOOTAGE	N/A

REVISIONS
REV DESCRIPTION DATE BY

1	MTB	5/27/20	FLORIDA
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Drawn By: MTB

Date: 5/27/20

Location: FLORIDA

Team: OPEN GENERIC ENGINEERING

GENERAL NOTES:
1. THIS PLAN IS DESIGNED FROM THE FBC PER SECTION C101.4.2.

2. ALL STEEL TRUSSING SHALL BE 50 PSI STEEL.

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4. SET-BACKS, AND/OR OTHER LOCAL CODE REQUIREMENTS ARE THE RESPONSIBILITY OF THE ENGINEER.

5. ALL ROOF AND WALL SHEDDING SECURED WITH 1/2" X 8" WOOD SCORERS WITH 3/4" WASHERS @ 5' O.C. MAX.

6. FIELD FRAMING CONNECTIONS SECURED WITH 1/2" X 8" WOOD SCORERS WITH 3/4" WASHERS @ 5' O.C. MAX.

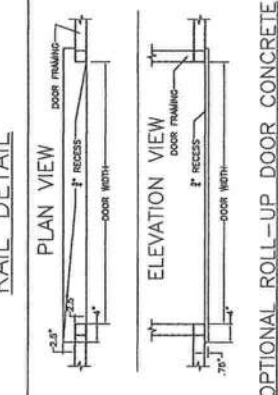
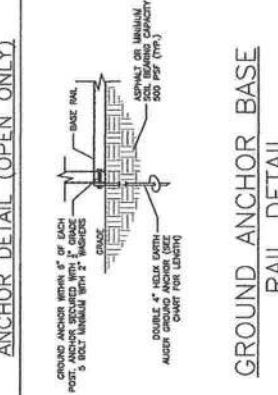
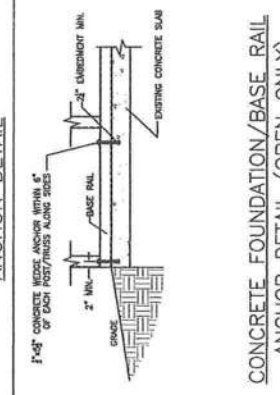
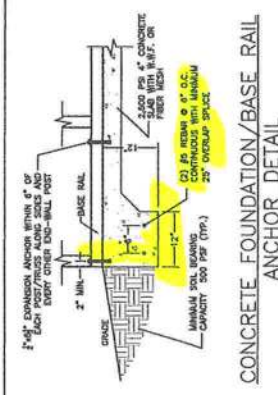
7. ALL SCOP FRAMING CONNECTIONS ARE TO BE IN SHOP BY A CERTIFIED WELDER.

8. CONCRETE EXPOSURES ARE TO BE 1/2" X 8" WOOD SCORERS WITH 3/4" WASHERS @ 5' O.C. MAX.

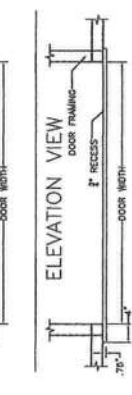
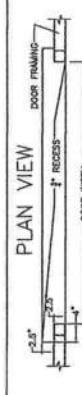
9. 12 OR 14 GA FRAMING IS 2.5 X 2.5" TUBE STEEL.

10. NIPPLES ARE 2.5 X 2.5" TUBE STEEL.

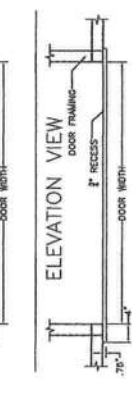
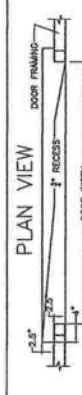
PRODUCTS, ANCHORING, SPACING & CONCRETE DETAILS



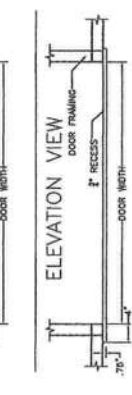
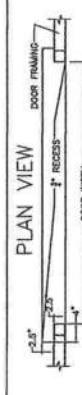
OPTIONAL ROLL-UP DOOR CONCRETE SPLASH-GUARD RECESS



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