

PROPOSED ACCESSORY BUILDING SHELL FOR:

DR. VAKANI

2196 SW GATLIN BLVD

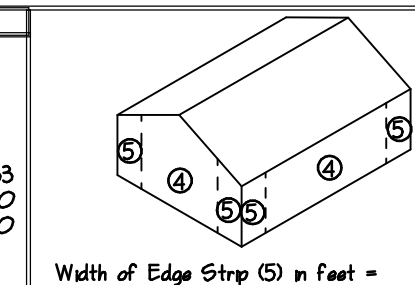
PORT ST LUCIE, FLORIDA

SHEET INDEX:

ARCHITECTURAL / STRUCTURAL

- CS CODE COMPLIANCE / SHEET INDEX / LOAD CALCS.
- A1 FLOOR PLAN & SCHEDULES
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- A3 FOUNDATION PLAN / ROOF FRAMING PLAN / ROOF PLAN NOTES / SCHEDULES & WALL SECTION
- A4 STRUCTURAL NOTES / DETAILS

BUILDING DATA		JOB INFORMATION	
Wind Velocity (mph)	160	Company	GRANFIELD ARCHITECTS
Importance Factor	1.0	Prepared By	DR. VAKANI
Exposure Category	B	Client Name	ACCESSORY BUILDING
Internal Pressure Coefficient	+0.18	Job Description	
Mean Roof Height (ft)	20.33	Job Number	B-564A
Building Width (ft)	36.00		
Building Length (ft)	55.00		
Roof Slope (s12)	2%		



Width of Edge Strip (S) in Feet = 3

WALL OPENINGS

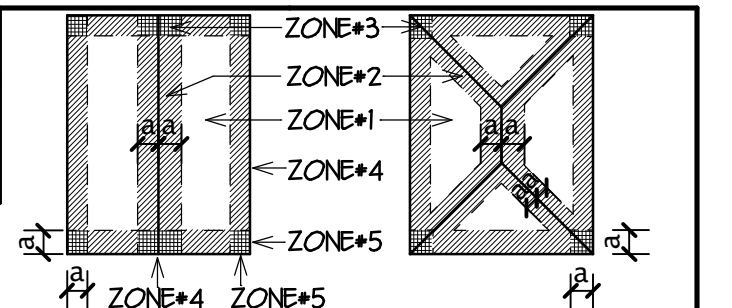
OPENING MARK	OPENING DESCRIPTION	LOCATION ZONE	OPENING ELEV (ft)	OPENING DIMENSIONS WIDTH (ft)	OPENING DIMENSIONS HEIGHT (ft)	MAXIMUM POSITIVE PRESSURE (psf)	MAXIMUM NEGATIVE PRESSURE (psf)
DOORS							
1	STOREFRONT DOOR	4		3	8	44.0	-47.9
2	STOREFRONT DOOR	4		3	8	44.0	-47.9
3	STOREFRONT DOOR	4		6	8	41.2	-45.1
WINDOWS							
A	FIXED WINDOW	4		2.66	5	44.0	-47.9
A	FIXED WINDOW	5		2.66	5	44.0	-57.5

PRODUCT APPROVAL AFFIDAVIT

PRODUCT	MODEL	MANUFACTURER	EVALUATION AGENCY	EXPIRATION DATE	NOA / CERT
WINDOWS	IR-500 ALUM STOREFRONT	KAWNEER CO.	MIAMI-DADE	4/15/19	14-0430.28
EXIT DOORS	STEEL-CRAFT H SERIES STL OUTSWING	SCHLAGE LOCK CO.	MIAMI-DADE	5-5-20	15-0730.03
	"350R" ALUM OUTSWING DR	KAWNEER CO.	MIAMI-DADE	2/18/17	14-0602.02
GARAGE DOORS	N/A				
SKYLIGHTS	N/A				
SHUTTERS	N/A				
ROOF'G MATERIALS	BUILT-UP-ROOF	CERTAIN TEED CORP	MIAMI-DADE	6/19/18	B-0204.B
	ENGLERT 2000 ALUM PANELS	AMETCO, INC.	MIAMI-DADE	10/10/18	B-0424.07
PANEL WALLS	N/A				
STRUCTURAL COMPONENTS	N/A				
NEW ALTERNATIVE MATERIALS	N/A				

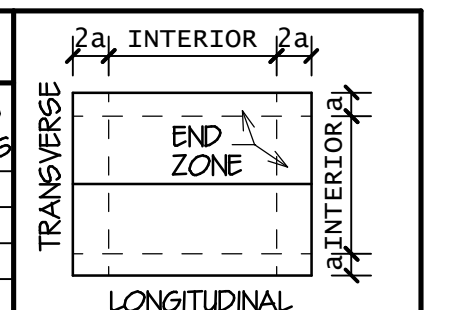
COMPONENT & CLADDING PRESSURES

ZONE #1	ZONE #2	ZONE #3	ZONE #4	ZONE #5
-54.9	-86.2	-17.5	-37.6	-68.9
N/A	N/A	N/A	37.6	37.6



MAIN WIND FORCE RESISTANCE SYSTEM (MWFRS)

DIRECTION	ZONE	HORIZ LOAD WALLS	HORIZ LOAD ROOF	VERT LOAD ROOF	VERT LOAD OVERHANGS
TRANSVERSE	END	40.6 A	-211 B	-48.8 E	-68.3
	INTERIOR	26.9 C	-12.5 D	-34.0 G	-53.5
LONGITUDINAL	END	40.6 A	-211 B	-48.8 E	-68.3
	INTERIOR	26.9 C	-12.5 D	-34.0 G	-53.5



KNOX BOX
 PROVIDE LIGHT-FRAME ROOF SYMBOL, AS INDICATED BELOW & A KNOX BOX AT EACH LEASE SPACE ENTRANCE.
LIGHT-FRAME "ROOF" ONLY SYMBOL
 MEASURING 8"x8" OF BRIGHT RED REFLECTIVE COLOR ON CONTRASTING BACKGROUND COLOR IT SHALL BE PERMANENTLY ATTACHED TO THE FACE OF THE STRUCTURE GC TO PROVIDE THIS SYMBOL WITHIN 24" TO THE LEFT OF THE MAIN ENTRY DOOR(S). IT SHALL BE NOT LESS THAN 4'-0" AFF AND NOT MORE THAN 6'-0" AFF - PER FAC. 67A-16.000B- NOTICE REGD FOR STRUCTURES WITH LIGHT-FRAME TRUSS CONST.

PROJECT INFORMATION

CODE: FBC 2014

2196 SW GATLIN BLVD.
 PORT ST LUCIE, FL. PROJECT NAME: VAKANI ACCESSORY BLDG

ARCHITECT / ENGINEER: GRANFIELD ARCHITECTS

TYPE OF CONSTRUCTION: CBS FRAME _____

BUILDING DESIGNED: ENCLOSED OPEN _____ PARTIALLY ENCLOSED _____

WIND SPEED (3 SECOND GUST): 150 MPH _____ 160 MPH

EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: 0.18 PSF

IMPORTANCE FACTOR: 1.0 BUILDING CATEGORY: 3 (1,2,3 OR 4)

GARAGE DOOR DESIGN PRESSURE: _____ PSF (POSITIVE) _____ PSF (NEGATIVE)

DOOR DESIGN PRESSURE (INT ZONE): _____ PSF _____ PSF (END ZONE) _____ PSF _____ PSF

WINDOW DESIGN PRESSURE (INT ZONE): _____ PSF _____ PSF (END ZONE) _____ PSF _____ PSF

SHUTTERS: YES NO

IMPACT RESISTANT ASSEMBLY: YES NO _____

CODE SUMMARY

- 2014 FLORIDA BUILDING CODE
- 2010 FLORIDA MECHANICAL CODE
- 2014 FLORIDA PLUMBING CODE
- 2011 NATIONAL ELECTRIC CODE
- 2014 FLORIDA ACCESSIBILITY CODE
- 2014 FLORIDA ENERGY CODE
- 2009 FLORIDA FIRE PREVENTION CODE BASED ON NFPA-1 & NFPA 101

OCCUPANCY REQUIREMENTS

OCCUPANCY CLASSIFICATION: B - BUSINESS

OCCUPANCY SEPARATION: N/A (SINGLE TENANT)

TYPE OF CONSTRUCTION

BUILDING TYPE: TYPE V GROUP B

ALLOWABLE BUILDING AREA: 9,000sq ft. MAX.

ALLOWABLE HEIGHT: 40 FT. MAX.

MEANS OF EGRESS REQUIREMENTS

MAX. TRAVEL DISTANCE: 200 FT. MAX.

OCCUPANT LOAD: 40 MAX.

NUMBER OF EXITS: 2 MIN.

CORRIDOR WIDTH: 44" MIN.

EGRESS OPENING WIDTH: 32 inches MIN.

EXIT STAIR WIDTH: 44 inches MIN.

AREA CALCULATIONS

ENCLOSED _____ 1,980 SQFT

ROOF'D PORTICOS _____ 272 SQFT

TOTAL ROOF'D SQ FT _____ 2,252 SQFT

SYMBOL LEGEND

- 1/A-1: DETAIL NUMBER / TYPICAL DETAIL BUBBLE / SHEET NUMBER
- 6/A-1: SECTION CALLOUT BUBBLE
- 3: WINDOW DESIGNATION
- 4: DOOR DESIGNATION
- 5: ROOM DESIGNATION
- Keyed Note: KEYED NOTE
- 0/10: ELEVATION MARK
- 10/0: DETAIL NUMBER / INTERIOR ELEVATION MARK / SHEET NUMBER
- T.O.B.: TOP OF BEAM
- T.O.P.: TOP OF PARAPET
- T.O.P.L.: TOP OF PLATE
- MW: MASONRY WALL TYPE
- FW: FOOTING WALL TYPE
- C-1: COLUMN TYPE
- B-1: BEAM TYPE
- +0'-0" FIN FL: BENCHMARK

LOCATION MAP

COMMERCIAL - RESIDENTIAL - INSTITUTIONAL - EGRESS

GRANFIELD ARCHITECTS

683 NE JENSEN BEACH BLVD.
 JENSEN BEACH, FLORIDA 34957

PHONE: 772-285-6032
 FAX: 772-285-9850

PROPOSED ACCESSORY SHELL BUILDING FOR:
DR. VAKANI
 PORT ST. LUCIE, FLORIDA

2196 SW GATLIN BLVD

SEAL

REVISIONS

BD SET NOT FOR CONSTRUCTION

JOB NO. B-564A

DATE 5-4-16

DRAWN BY JB

CHECKED BY SMG

SHEET **CS** OF