



Components & Cladding for Roof & Wall Openings, ASCE 7-16

WIND LOAD CALCULATION INPUTS

General Information

Design Wind Speed	Nominal
Wind Velocity (mph)	170
Exposure	C
Internal Pressure	Enclosed

Building Information

Height above ground, z (ft.)	0.00
Building Width (ft.)	54.83
Building Length (ft.)	47.57
Edge Strip, a (ft.)	4.76

Roof Information

Roof Type	Flat
Ridge Height, h _r (ft)	35.00
Eave Height, h _e (ft)	26.00
Parapet Along Roof Perimeter (ft.)	0.00
Mean Roof Height (h) - (ft.)	26.00
Roof Slope (x:12)	1.97
Roof Angle (degrees)	9.32

Topographic Information

Hill Shape	Flat - No Hill
H _z (ft.)	0.00
L _h (ft.)	0.00
x _z (ft.)	0.00
z _z (ft.)	0.00

JOB INFORMATION

Client	PAUL AND DOROTHY EVANS
Address	5060 CHERRY WOOD DR
Company	JONATHAN CARON INC
Job Number	EVANS
Preparer	SARA HOWARD

USER ENTRIES							WIND LOAD PRESSURES		NOA INFORMATION		VENDOR INFORMATION	
INFO.	APPLYING WIND LOAD FOR:	ZONE	OPENING ELEVATION (ft.)	WIDTH (in.)	LENGTH (in.)	EFFECTIVE WIND AREA (sq.ft.)	Nominal Wind Load Pressures		NOA Approval Number	Max Pressure Per NOA	Manufacturer	Model Number
							MAXIMUM POSITIVE PRESSURE (psf)	MAXIMUM NEGATIVE PRESSURE (psf)				
WALL OPENING INFORMATION	WINDOW 1	4	4	72.9	57.1	28.9	36.2	-39.4	FL16736.1	60+60-	CWS	8200-OX
	WINDOW 2	4	6	72.9	16.0	8.1	38.3	-41.6	FL13010.4	67.50+67.50-	CWS	8300-PW
	WINDOW 3	4	6	24.0	24.0	4.0	38.8	-42.1	NOA20-0401.1	80+80-	PGT	AR7720A
	WINDOW 4, 5	4	4	25.0	62.0	10.8	38.7	-41.9	FL5823	65+75-	CWS	8,100
	DOOR 6, 8	4	3.5	62.0	81.5	35.1	35.7	-39.0	FL17184.1	50+50-	PLASTPRO	FIBERGLASS
	WINDOW 7	4	4	35.0	37.0	9.0	38.8	-42.1	FL16177	70+70-	CWS	8100-SH
	WINDOW 9, 10	4	4	35.0	74.0	18.0	37.4	-40.6	FL5823.1	65+65-	CWS	8100-SH
	WINDOW 11, 12	4	4	35.0	62.0	15.1	37.8	-41.1	FL5823.1	65+75-	CWS	8100-SH
	WINDOW 13	4	4	35.0	62.0	15.1	37.8	-41.1	FL5823.1	65+75-	CWS	8100-SH
		4					29.1	-32.4				
		4					29.1	-32.4				
		4					29.1	-32.4				
		4					29.1	-32.4				
		4					29.1	-32.4				
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L _h (ft.)	0.00
X _r (ft.)	0.00
Z _r (ft.)	0.00

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ROOF INFORMATION	Gable	1 Hip	n/a	24.0	60.0	10.0	31.6	-64.7				
	Gable	3 Hip	n/a	48.0	60.0	20.0	30.0	-118.0				
	Gable	2e Hip	n/a	60.0	120.0	50.0	25.3	-112.6				
	Gable	2r Hip	n/a	49.0	120.0	40.8	26.7	-125.9				