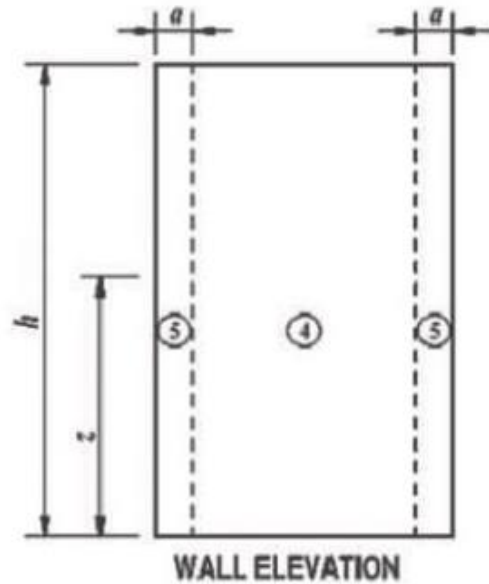




October 5, 2023

Subject: Bridgewater at Bonita Bay Condominium
 4975 Bonita Beach Road South
 Bonita Springs, FL
 SOCOTEC Project Number VS233728

Design Wind Loads:
 2020 Florida Building Code
 Applied per ASCE 7-16
 Building Risk Category II
 Ultimate Wind Speed: 161 mph
 Nominal Wind Speed: 124.7 mph
 Exposure C
 Mean Roof Height: 85 ft
 Internal Pressure Coefficient: +/- 0.18
 Enclosed Building
 a = 9.0 ft



Components & Cladding Design Pressures: Walls		
Effective Wind Area (ft ²)	Wall Pressures (psf)	
	Zone 4	Zone 5
10	+41.0 / -41.0	+41.0 / -74.5
25	+40.2 / -40.5	+40.2 / -72.4
30	+39.6 / -40.0	+39.6 / -70.7
50	+37.8 / -38.9	+37.8 / -66.0
80	+36.2 / -37.8	+36.2 / -61.7
100	+35.4 / -37.2	+35.4 / -59.6

Socotec Consulting, Inc.

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