

Navy- Construct Naval Branch Health Clinic, Panama City
 Project No. 520-13-200

Wind Pressures:

Net Design Wind Pressure ASCE 7-05 Method 1 Components and Cladding

ASCE 7-05 Calculators

Basic Wind Speed (3-second gust).....	140 mph
Roof Slope.....	3/12
Exposure (See C6.5.6 Starting on page 287 ASCE 7-05).....	B
Mean Roof Height.....	25 ft
Occupancy Category (Table 1-1 page 3 ASCE 7-05).....	II
Hurricane Prone Region.....	yes
Window/Door Design Width.....	60 in
Window/Door Design Height.....	72 in
Topographical Factor Kzt.....	1.0

Importance Factor.....	1
Area.....	30 ft ²
Adjustment Factor λ.....	1.0

Component and Cladding Design Pressures (Net):

Roof Interior (1)	17.7 psf	-31 psf
Roof Edge (2):	17.7 psf	-49.7 psf
Roof Corner (3):	17.7 psf	-75.3 psf
Wall Interior (4):	33 psf	-36 psf
Wall Corner (5):	33 psf	-42.6 psf
Overhang Edge (2):	-65.7 psf	
Overhang Corner (3):	-95.03 psf	