Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 09/20/16

SCREEN WALL

WIND – 100 MPH (3-SEC GUST) EXP B

PER SOILS REPORT
- SOIL BEARING = 4000 psf
- EFP = 65 pcf
- P.P.
- SOIL/CONC COEFF FRICTION = 0.40

SOIL UNIT WT = 130 PCF

WIND LOAD ON WALL

$$F = q_z G C_f A_f \quad (6\text{-}27)$$

$$q_z = .00256 K_z K_{zt} K_d V^2 I \quad (6\text{-}15)$$

Ht. z at the centroid of area Af =	4	ft	Exp = B
Exposure coefficient K_z =	0.57		6.5.6.6, T-6-3 for MWFR
Topography factor K_{zt} =	1.00		6.5.7.2
Directionality factor K_d =	0.85		Table 6-4
Wind Speed V =	100	mph	
Importance factor I_w =	1.00		Table 6-1
q_z =	12.40	psf	
Gust Effect factor G =	0.85		6.5.8
Force coeff C_f =	1.6		Figure 6-21 through 6-23
Design wind pressure, F/A_f =	16.87	psf	

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