

UILDING CODE	MARK DISOSWAY, PE
	disoswaydesign@gmail.com
gure 26.5	163 SW Midtown Place, Ste 103
azard; IV, Essential/Critical	Lake City, Florida 32025
for 1200ft; D no obstructions	386-754-5419
d Freestanding Signs	NCPE26032
rectionality Kd =.85; Gust G =.85 rigid	
(H/900)^(2/9.5)ExpC, (700&11.5)ExpD;	
Fseg=Pasd*W*H	
cient, Cf	
gn Segment ID OAH	
egment Top Above Grade, Top, ft 15.0	
egment Width, W, ft 8.3	
egment Height, H, ft 15.0	
egment Area, ft2	
elocity Pressure Exposure Coeff; Kz	
elocity Pressure, Qhasd, psf	1/30/2019
ind Pressure, Pasd, psf	This seal for structural engineering
egment Force, Fseg, kips	(Foundation & Support Column ONLY)
= Sum (Fseg)	
= Sum (Fseg * (Top-H/2))	SCOPE OF WORK: Design sign
erection shall conform to the following	support column and foundation to meet
reinforced concrete, American Welding	structural requirements of building
ication for Design, Fabrication, and Erection	code based on stated (not verified) site
	factors and size & shape based on sign
6, Fy = 36 ksi.	installer's drawing, attached.
ılar: 46ksi.	
= 18 ksi at weld.	By using this engineering the owner,
m, not "L or J" bolts.	manufacturer, and installer accept
	responsibility to: Design, build, and
ade 40, 3" cover.	install sign cabinet, face, attachment,
	electrical, etc according to sign code,
	building code, and UL. Verify site
es for SAW processes.	conditions match stated wind speed, risk, exposure, topo, and soil factors.
cube foundations.	
sumptive soil bearing capacity (asd) from	
5 (clay/silt CL,ML,MH,CH), Lateral = 2*150 GM,GC), and Lateral Sliding Coeff = .25 for	
If there is a question about soil bearing do a	
	Sign Clinic
arada	
grade	
or length and width of cube) 7.6	JOB#190116
= .5*A{1+[1+(4.36*Hcent/A)]^.5}	
= 2.34*F/(S1*b)	PYLON SIGN
1 = 2*Ssand*D/3	1 Column, Centered,
	Embedded in Foundation
100	Biscuitville
00pcf*(D-1))	1608 NC-24 & NC-87
	Cameron, NC
	Valid for one sign at this location.
ety 30.3	