

BUILDING CODE	MARK DISOSWAY, PE
05	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
irectionality 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	1
egment Top Above Grade, Top, ft 10.2	2
egment Width, W, ft 1.0	
egment Height, H, ft 10.2	2
egment Area, ft2	
elocity Pressure Exposure Coeff; Kz	
elocity Pressure, Qhasd, psf	2/22/2019
ind Pressure, Pasd, psf	This seal for structural engineering
egment Force, Fseg, kips	(Foundation & Support Column ONLY)
= Sum (Fseg)	SCOPE OF WORK: Design sign
= Sum (Fseg * (Top-H/2))	support column and foundation to meet
erection shall conform to the following	structural requirements of building
reinforced concrete, American Welding 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.
a, Fy = 30 ksi. Ilar: 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 conditions match stated wind speed,
es for SAW processes.	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
grade	-
or length and width of cube)	
= .5*A{1+[1+(4.36*Hcent/A)]^.5}	JOB#190188
= 2.34*F/(S1*b)	PYLON SIGN
1 = 2*Ssand*D/3	
	1 Column, Centered,
	Embedded in Foundation
100 mod (D, 1)	Biscuitville
100pcf*(D-1))	1608 NC-24
	Cameron, NC 28326
fety 2.9	Valid for one sign at this location.
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