

Detroit Athletic Club  
Anchor Calculations

Number of Anchors	8 each
Anchor Diameter	0.75 inch diameter
Anchor Grade	Grade 5
Grade 5 Anchor Shear Strength	33130 pounds
Grade 5 Anchor Tensile Strength	42726 pounds
Loads	
Wind Load 115 MPH	29.5 psf
Total Square Feet per Column	14.1 sqft
Wind Load per Column	416.3 pounds
Wind Load per Anchor	52.0 pounds

The columns will be properly held in place by the anchors

