



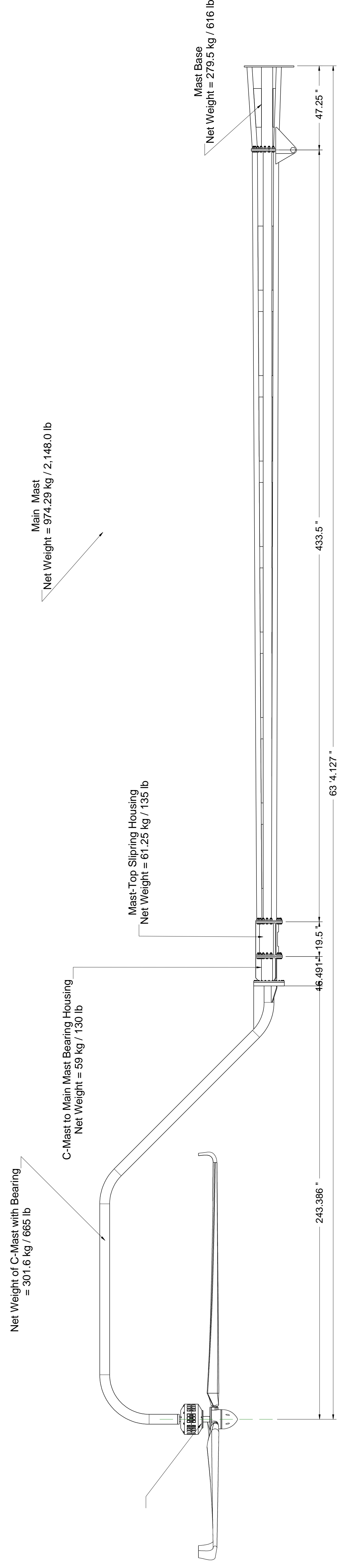
# Complete Mast Assembly with Turbine Weights and Loads

DATE	REV	DESCRIPTION	REVISION
	030513		APPROVED

Note for the structural engineer:  
 Tower top weight (hub, blades and generator) = 355.0 kg / 784 lb  
 Max. horizontal (axial) thrust generated by rotor @ 30m/s (67.1 mph) is 3,040.0 N  
 First natural mode of the tower and turbine assembly  $\leq 1.6$  Hz  
 Second natural mode of the tower and turbine assembly  $\geq 6.8$  Hz



Vertical Load (Weight) of Turbine & APFMG = 355 kg / 784 lb



Rotor Area = 45.6 sqm / 490.6 sqF

