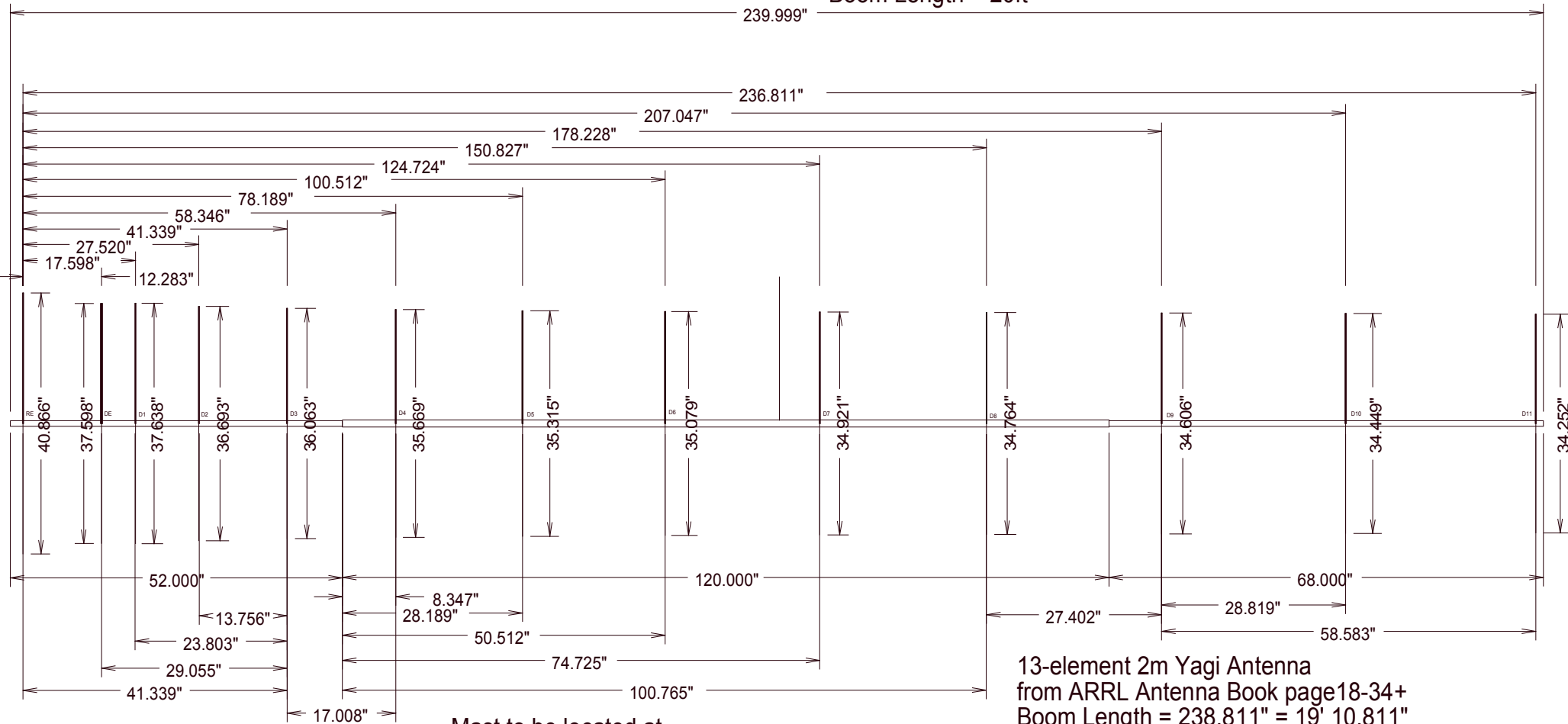


Boom Length < 20ft



Mast to be located at center of gravity of completed antenna

13-element 2m Yagi Antenna  
 from ARRL Antenna Book page 18-34+  
 Boom Length = 238.811" = 19' 10.811"  
 Gain = 13.0dBd  
 DE Impedance = 23ohms  
 FB Ratio = 20dB  
 Beamwidth E/H 32/35degrees  
 Stacking E/H = 12.5/11.4degrees