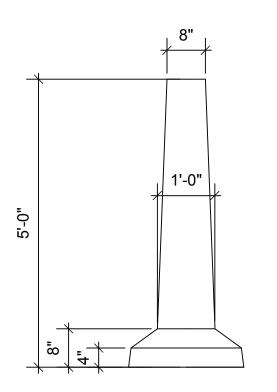
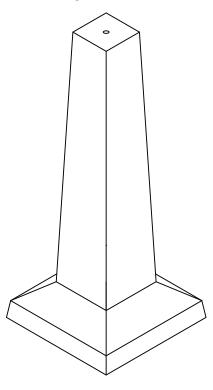


-5/8 " - 11 THREADED INSERT



4000 PSI CONCRETE @ 28 DAYS
CALCULATIONS BASED ON SOIL PRESSURE OF 2000 PSF
WEIGHT = 750LBS +/-



## PRECAST VS. CONVENTIONAL

CONVENTIONAL 12" DIA SONO TUBE: ALLOWABLE LOAD BEARING AT SOIL = ALLOWABLE BEARING CAPACITY \* AREA = 2000PSF \* (0.5\*0.5\*3.142) = 1571LBS MAX LOAD BEARING IS 1571LBS

PRECAST FOOTING ALLOWABLE LOAD BEARING AT TOP = CONCRETE PSI \* AREA / SAFTEY FACTOR 4000PSI \* (8\*8) / 2.22 = 115,315LBS

ALLOWABLE LOAD BEARING AT SOIL = ALLOWABLE BEARING CAPACITY \* AREA = 2000PSF \* (2.2) = 8,000LBS

THEREFORE MAX ALLOWABLE LOAD APPLIED IS LIMITED BY THE SOILS CAPACITY OF 8,000LBS WHICH IS GREATER THAN THE MAX LOAD OF 1571LBS FOR THE 12" SONOTUBE

## MBO PRECAST, INC.

4 MARION DR. CARVER MA. 02330 PH: 508-866-6900 FAX: 508-866-5252



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