CONVENTIONAL 12" DIAMETER SONOTUBE:
ALLOWABLE LOAD BEARING CAPACITY =
ALLOWABLE BEARING CAPACITY * AREA =
2000PSF * (0.5*0.5*3.142) = 1571 lbs.
MAX LOAD BEARING IS 1,571 lbs.

PRECAST SONOTUBE:
ALLOWABLE LOAD BEARING AT TOP =
CONCRETEPSI * AREA / FACTOR OF SAFETY
5000PSI * (8*8) / 2.22 = 144,144 lbs.

ALLOWABLE LOAD BEARING AT SOIL =
ALLOWABLE BEARING CAPACITY * AREA =
2000PSF * (2*2) = 8,000 lbs.

THEREFORE MAX ALLOWABLE LOAD APPLIED IS LIMITED BY THE SOILS CAPACITY OF 8000 lbs, WHICH IS GREATER THAN THE MAX LOAD OF 1,571 lbs. FOR THE 12" SONOTUBE

GENERAL NOTES:
1. CONCRETE 5000 PSI IN 28 DAYS.
2. CALCULATIONS BASED ON SOIL PRESSURE OF 2000 PSF.

MEANS PRE-CAST CO, INC.
151 ADAMS STREET, BRAINTEER, MA 02184

FOR ADDITIONAL INFORMATION CALL 781-843-1909