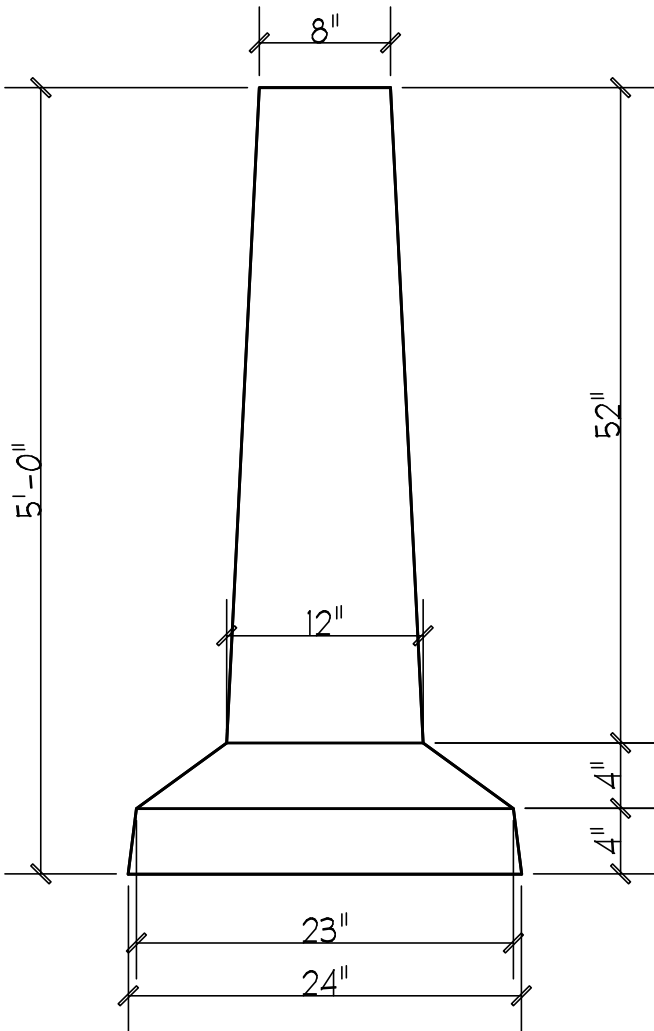
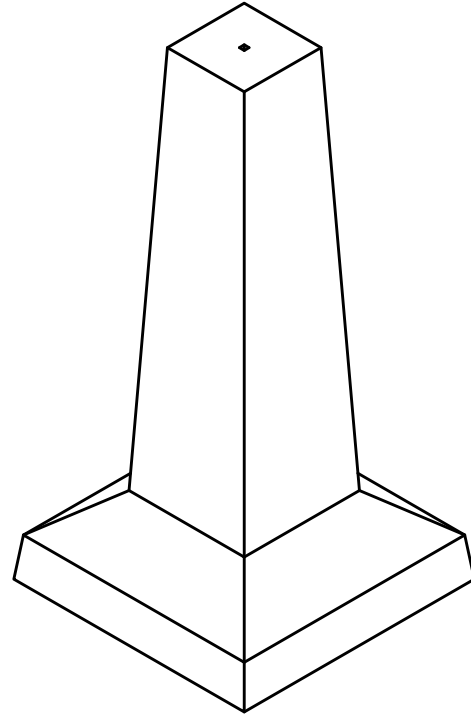


TOP VIEW



SIDE VIEW

PRECAST VS. CONVENTIONAL

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

PRECAST SONOTUBE:  
 ALLOWABLE LOAD BEARING AT TOP =  
 CONCRETE PSI \* AREA / FACTOR OF SAFETY  
 $5000\text{PSI} * (8 * 8) / 2.22 = 144,144 \text{ lbs.}$

ALLOWABLE LOAD BEARING AT SOIL =  
 ALLOWABLE BEARING CAPACITY \* AREA =  
 $2000\text{PSF} * (2 * 2) = 8,000 \text{ lbs.}$

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.

ITEM	WEIGHT
SON05	725

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

STYLE NUMBER

FOR ADDITIONAL INFORMATION CALL 781-843-1909