FOOTING/FROST POST
SONATUBE 16" SQUARE

TOP VIEW

3/4" THEADED HOLE

SIDE VIEW

1'-8"

1'-4"

4'-4"

2'-6"

2'-5"

0'-4"

0'-4"

5'

PRECAST FOOTING/FROST POST:

LOAD BEARING AT TOP =

CONCRETE PSI * AREA * FACTOR OF SAFETY
4000 PSI * (16*16) * 0.45 = 460,800 LBS

LOAD BEARING AT SOIL =

SOIL PRESSURE * AREA =
2000 PSI * (2.5*2.5) = 12,500 LBS

THEREFORE MAX LOAD BEARING IS LIMITED TO SOIL CONDITIONS OF 12,500 LBS

GENERAL NOTES:

1. CONCRETE 4000 PSI IN 28 DAYS
2. CALCULATIONS BASED ON SOIL PRESSURE OF 2000 PSF.