


SIDE VIEW

PRECAST FOOTING/FROST POST:
 LOAD BEARING AT TOP =
 CONCRETE PSI * AREA * FACTOR OF SAFETY
 $4000\text{PSI} * (16*16) * 0.45 = 460,800\text{LBS}$

LOAD BEARING AT SOIL =
 SOIL PRESSURE * AREA =
 $2000\text{PSF} * (2.5*2.5) = 12,500\text{LBS}$

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

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

SHEA PRODUCT ID: SONA16	PREPARED FOR:	FILE NAME: SONATUBE18SQ.DWG	
WEIGHT (LBS): 1600#	DRAWN BY: ARO	DATE: 03/01/2018	
773 Salem Street-Wilmington, MA 153 Cranberry Hwy-Rochester, MA 87 Haverhill Road-Amesbury, MA 160 Old Turnpike Rd-Nottingham, NH			