

**DESIGN NOTES:**

1) LOAD CRITERIA:

AASHTO H-20 TRAFFIC LOADING (16,000 LBS. WHEEL LOAD) \*FOR MANHOLES & RING & COVERS.

INCIDENTAL H-20 TRAFFIC LOADING (OCCASIONAL TRAFFIC, OFF STREET LOCATIONS)

PARKWAY LOADING (300 LBS./SQ. FT.)

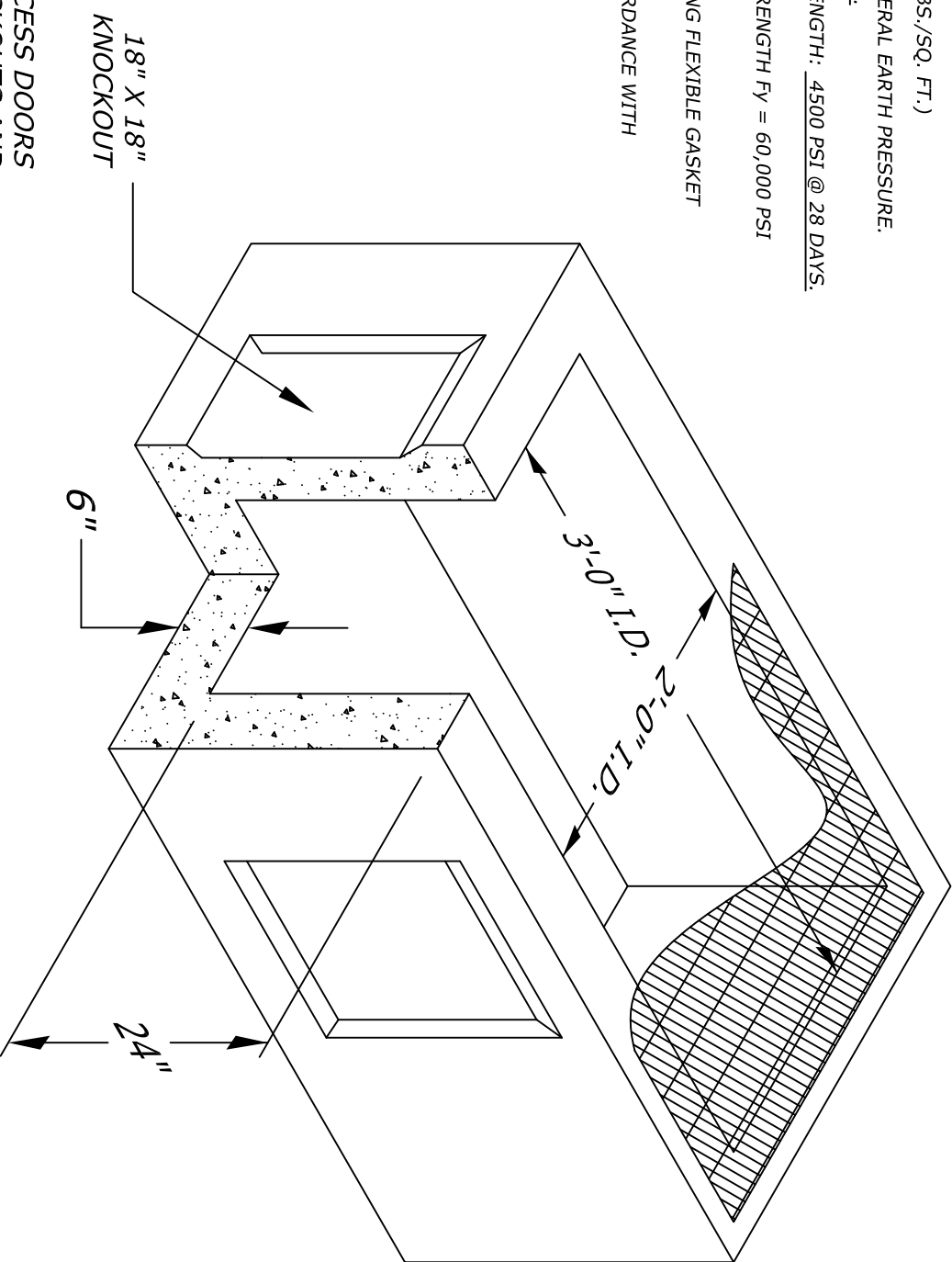
H-20 SURCHARGE AND LATERAL EARTH PRESSURE. \* FOR PRECAST MANHOLES.

2) CONCRETE COMPRESSIVE STRENGTH: 4500 PSI @ 28 DAYS.

3) STEEL REINFORCING YIELD STRENGTH  $F_y = 60,000$  PSI PER ASTM A-615.

4) ALL JOINTS TO BE SEALED USING FLEXIBLE GASKET MATERIAL (RAMNECK).

5) ALL MANHOLES MADE IN ACCORDANCE WITH ASTM C-478.



PULL IRONS, INSERTS, ACCESS DOORS  
SUMPS, KNOCKOUTS, BLOCKOUTS AND  
OPENINGS ARE AVAILABLE PER JOB  
REQUIREMENTS.

