

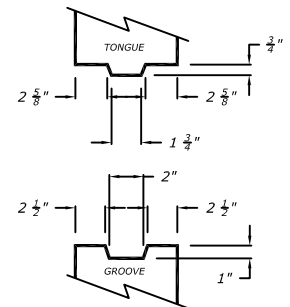
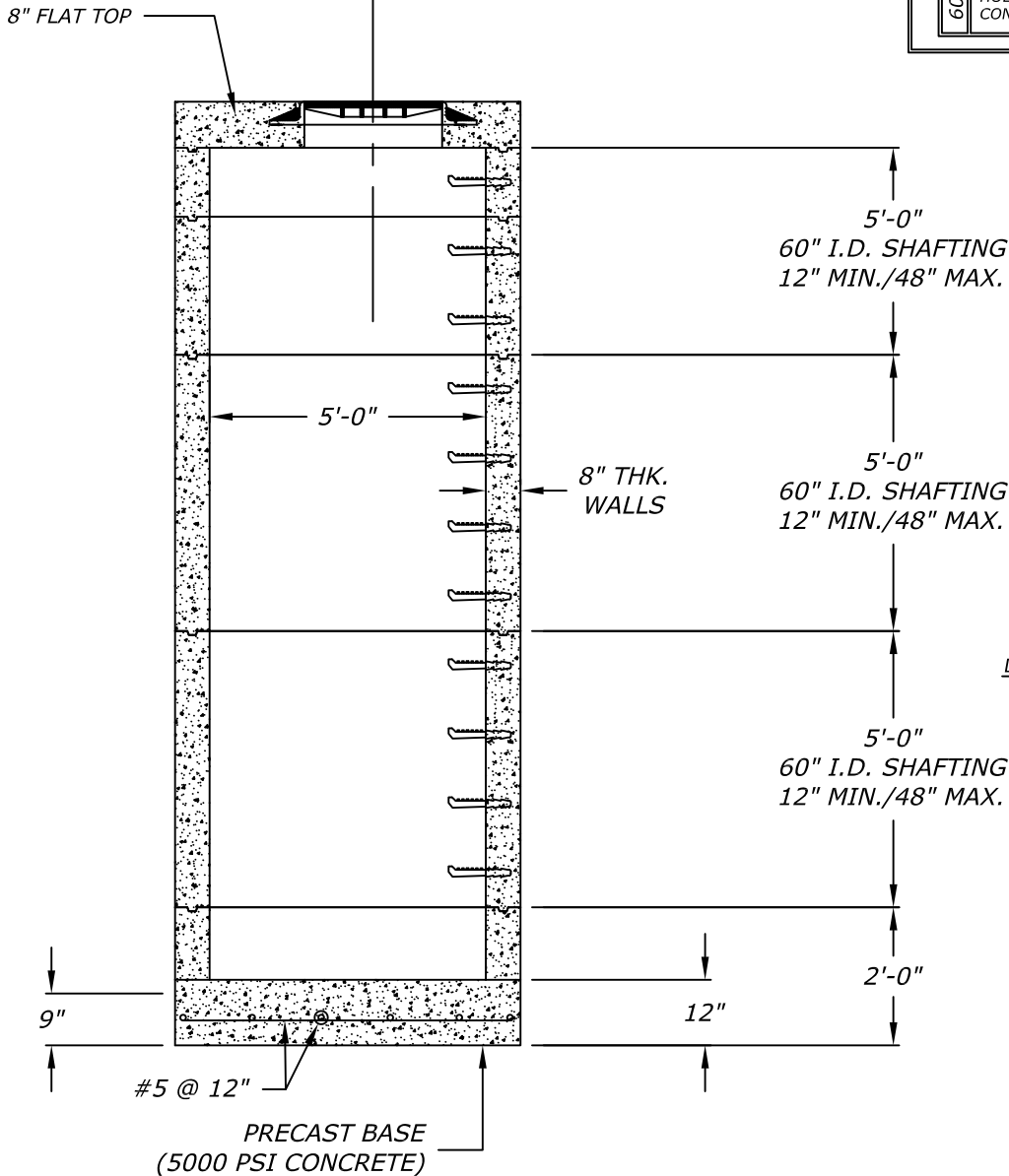
STRUCTURAL REINFORCEMENT DATA:

* ASTM A82, ASTM A 185
ASTM A496, ASTM A 615
ALL ACCEPTABLE STEEL
REINFORCING.
 A_s = NOT LESS THAN
0.0025 X I.D. IN
INCHES FOR ALL
CIRCUMFERENTIAL
REINFORCEMENT.
* STEEL CAGE TO BE PLACED
IN THE CENTER THIRD OF
MANHOLE WALL THICKNESS.

60" I.D.

STEEL REBAR CAGE DESIGN = #3 REBAR
CIRCUMFERENTIALS @ 6" VERTICAL CENTERS.
#2 REBAR VERTICALS (10 EA.) PLACED TO
HOLD CAGE RIGID. = MINIMUM 0.15/VFT
CONCRETE: MIN 4000 psi @ 28 DAYS.

60"
I.D.
 $A_s = 0.12$



JOINT DETAIL (8" WALL)

MORTAR OR MASTIC
JOINT AVAILABLE

- 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.

NOTE:
1. PIPE SECTION LENGTHS ARRANGED TO FIT DEPTH.

