

CONFORMS TO:

- WASHINGTON STATE APWA/WSDOT (STANDARD SPECIFICATIONS)
- MEETS H-20 REQUIREMENTS
- ASTM C478 MANHOLES
- ASTM C443 RUBBER GASKET JOINTS
- ASTM C-33 AND C-150 28 DAY COMPRESSIVE STRENGTH $F'_c = 4000\text{PSI}$

REINFORCING:

- TOP SLAB #5 DEFORMED REBAR AROUND OPENING DIAGONALLY ON BOTH SIDES OF OPENING; TOP & BOTTOM MAT #4- 6" O.C. IN BOTH DIRECTIONS
- CIRCUMFERENTIAL WALL: MINIMUM 0.23 IN.² SQ./LINEAR FT.
- BASE: 0.39 IN.²/LINEAR FT. IN BOTH DIRECTIONS; MINIMUM YIELD STRENGTH = 60,000PSI

HOLE DIMENSIONS

- STANDARD BASE: BANK-CORE DRILL AS NEEDED PER CUSTOMER REQUIREMENTS
- MAXIMUM HOLE DIAMETER IS 72"
- 12" MINIMUM DISTANCE BETWEEN HOLES

STRUCTURE DIMENSIONS

- INSIDE DIAMETER: 84"
- OUTSIDE DIAMETER: 100"
- WALL THICKNESS: 8"
- BASE THICKNESS: 12"

STEPS AND LADDERS

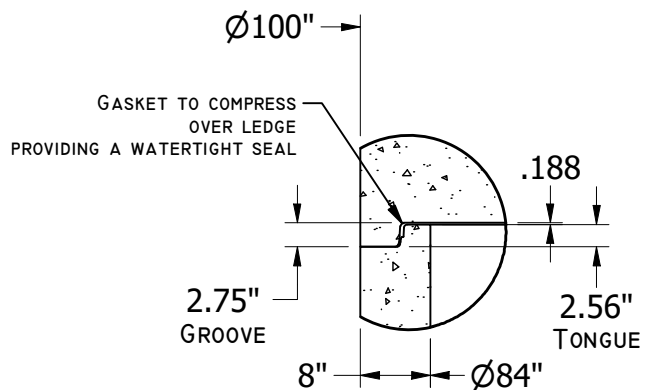
- MEET ASTM C478
- STEPS PLACED VERTICALLY 12" O.C.
- LADDER PROVIDED WITH BASE

WEIGHTS

- 84" BASE SLAB: 5800 LB
- 84" SECTION: 1800 LB/FT
- 11" X 100" FLAT SLAB: 5700 LB
- 48" X 2' ECC. CONE: 1360 LB
- 48" X 3' ECC. CONE: 2200
- 24" ADJUSTMENT RISER: 80LB PER 2 INCHES
- 84" TO 48" REDUCING SLAB: 5500 LB

OPTIONS

- KOR-N-SEAL RUBBER BOOTS
- PRE-CHANNELED BASES
- COATINGS PER DISTRICT REQUIREMENTS



JOINT DETAIL