

# 12' DIAMETER MANHOLE COMPONENTS

MANHOLE DESIGN SPECIFICATION

CONFORMS TO LATEST:

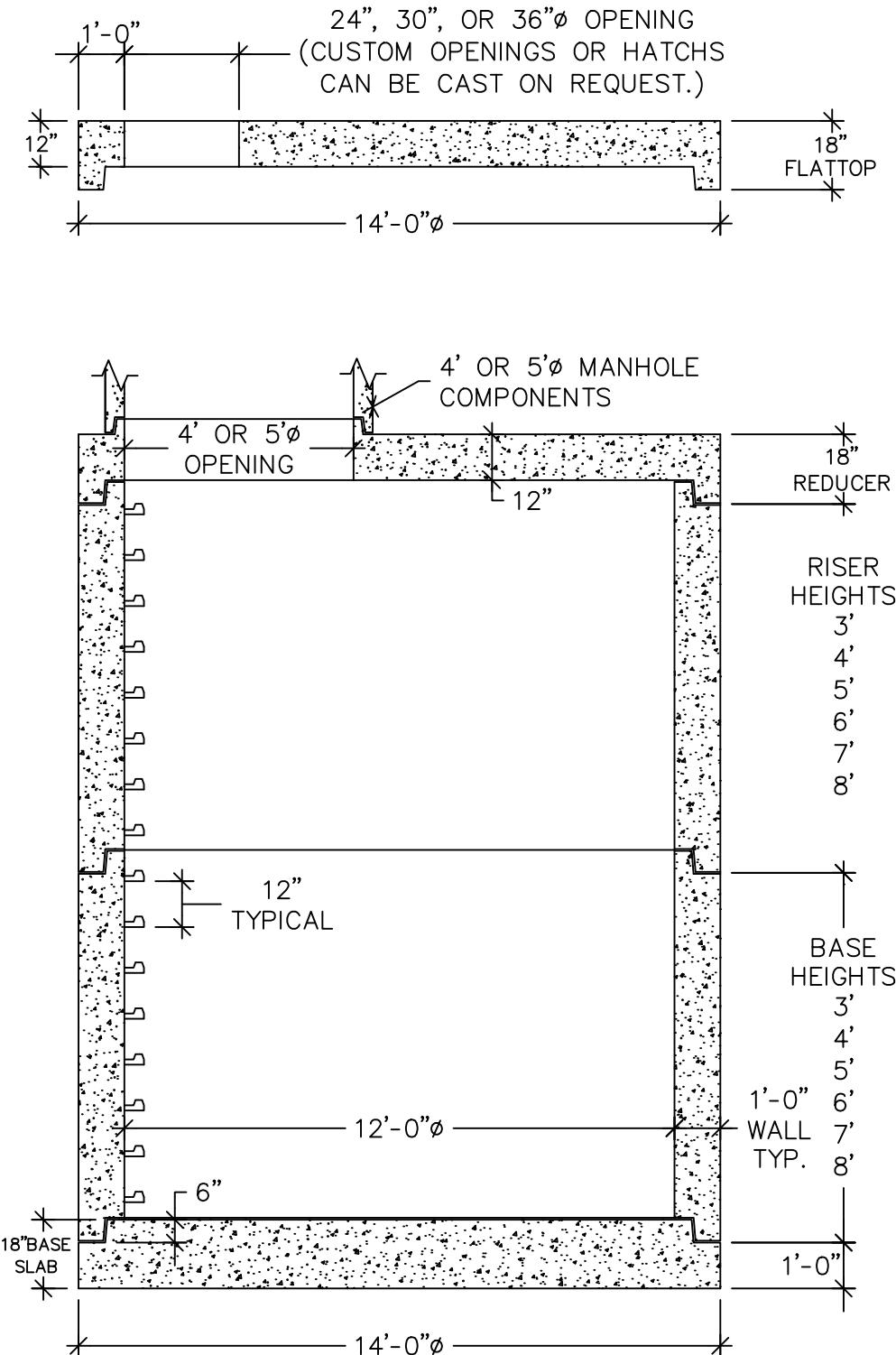
ASTM DESIGNATION C478

NOTES:

1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-S-210(210-A).
2. REINFORCING STEEL WELDED WIRE FABRIC CONFORMS TO LATEST ASTM SPECIFICATION A185.
3. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPEC. A615/A706.
4. CONCRETE COMPRESSIVE STRENGTH – 5,000 PSI AT 28 DAYS.
5. MANHOLE STEPS MEET LATEST OSHA REGULATION 29 CFR 1910.27, SECTION 16 OF ASTM SPECIFICATION C478 AND SECTION 10 OF ASTM SPECIFICATION C497.
6. WHEN SPECIFIED, MANHOLES ARE COATED WITH BAY OIL, "EBONY".
7. METHOD OF MANUFACTURE: WET CAST.
8. MANHOLE IS DESIGNED FOR HS-20 WITH 18" OF SOIL COVER.

**WEIGHT CHART**

PRODUCT	APPROX WEIGHT
18" BASE SLAB	34100 LBS.
3' BASE	53100 LBS.
4' BASE	59400 LBS.
5' BASE	65800 LBS.
6' BASE	72100 LBS.
7' BASE	78400 LBS.
8' BASE	84800 LBS.
3' RISER	19000 LBS.
4' RISER	25300 LBS.
5' RISER	31700 LBS.
6' RISER	38000 LBS.
7' RISER	44300 LBS.
8' RISER	50700 LBS.
18" REDUCER, 12' TO 4' DIA	23600 LBS.
18" REDUCER, 12' TO 5' DIA	22500 LBS.
FLAT SLAB TOP W/ 24" OPENING	25000 LBS.
FLAT SLAB TOP W/ 30" OPENING	24700 LBS.
FLAT SLAB TOP W/ 36" OPENING	24400 LBS.



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