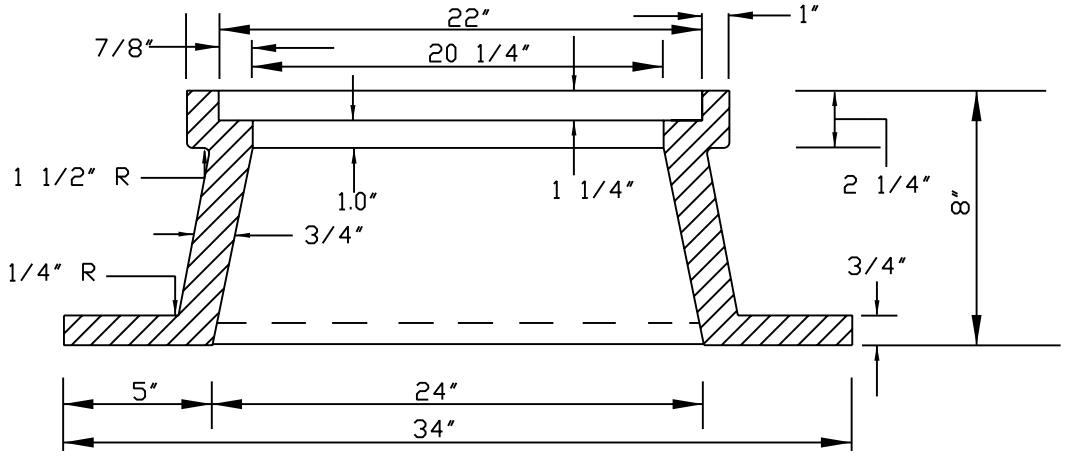
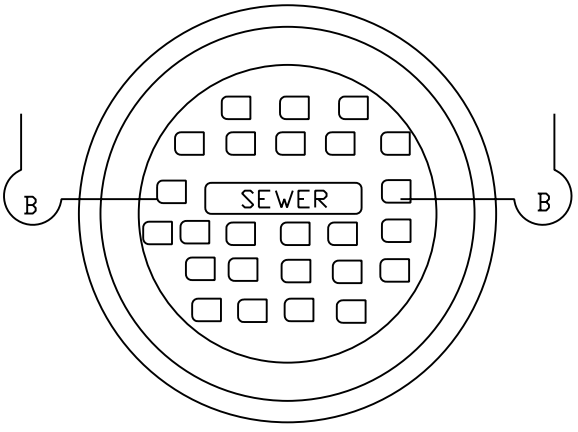
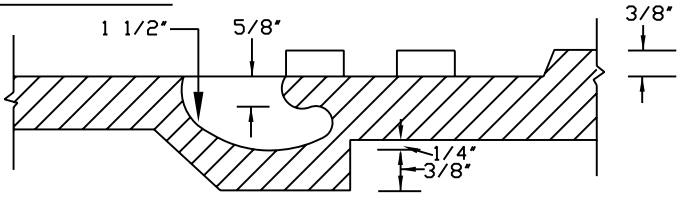
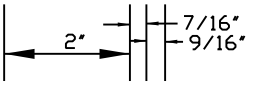


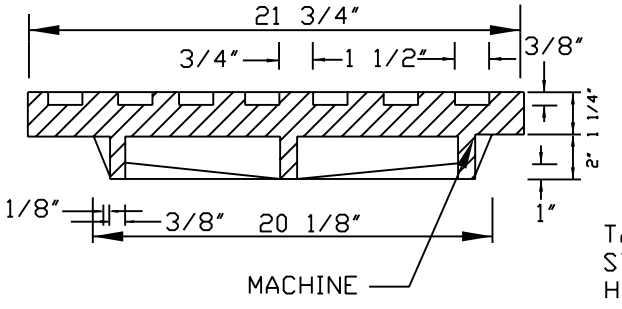
FRAME SECTION



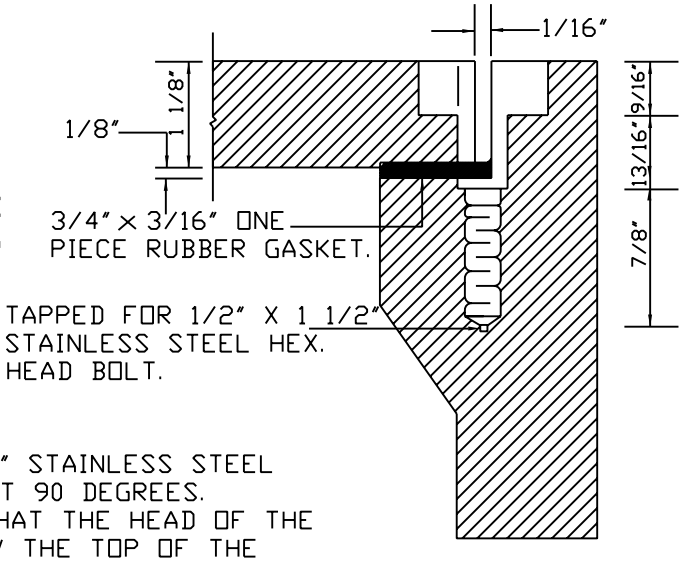




X-SECT. OF PICK HOLE



SECT. B-B



X-SECT. OF BOLT

NOTE: INSTALL (4) FOUR 1/2" X 1 1/2" STAINLESS STEEL 3/4" HEXAGONAL HEAD BOLTS AT 90 DEGREES. COUNTERBORE THE COVER SO THAT THE HEAD OF THE BOLT IS FLUSH OR JUST BELOW THE TOP OF THE COVER. PENTAGON HEAD BOLTS ARE OPTIONAL FOR WATERTIGHT VANDAL RESISTANT INSTALLATIONS.

MANHOLE FRAMES LOCATED ABOVE GRADE SHALL BE ATTACHED TO MANHOLE BY USE OF TWO 1/2" STAINLESS STEEL ANCHOR BOLTS, WEDGE ANCHORS, OR STUD ANCHORS WITH STAINLESS STEEL WASHER AND NUT LOCATED ON OPPOSITE SIDES OF MANHOLE FRAME. HOLES IN MANHOLE FRAME SHALL BE NEATLY DRILLED TO ALIGN WITH ANCHORS.

DATE MAY 2004	WATERTIGHT MANHOLE FRAME & COVER	DRWG. NO. MAN-12
HANOVER DPU		