



TYPICAL INSTALLATION
SHOWING IN RAISED POSITION

1. MATERIAL SHALL MEET OR EXCEED MINIMUM REQUIREMENTS OF ASTM A36 CARBON STEEL.
2. TOP AND BOTTOM RINGS SHALL HAVE A CONTINUOUS WELD.
3. ALL STYLE RISERS SHALL HAVE A MINIMUM HEIGHT OF ADJUSTMENT EQUAL TO THE MANHOLE COVER THICKNESS PLUS $\frac{1}{4}$ ".
4. EACH RISER IS CUSTOM FABRICATED FROM MEASUREMENTS PROVIDED WITH EACH OTHER. REQUIRED MEASUREMENTS INCLUDE THE FOLLOWING:
 - A. EXIST. MANHOLE COVER DIAMETER - TOP & BOTTOM
 - B. EXIST. MANHOLE COVER THICKNESS
 - C. REQUIRED HEIGHT OF ADJUSTMENT
5. MAXIMUM RECOMMENDED HEIGHT OF ADJUSTMENT FOR REPAVING PROJECTS IS 6".
6. HEIGHT ADJUSTMENTS ARE AVAILABLE IN $\frac{1}{4}$ " INCREMENTS.
7. DURING INSTALLATION CHECK FOR FULL BEARING OF LOWER FRAME SECTION ON EXISTING CASTING.
8. DIMENSIONS MAY VARY TO MEET EXISTING FIELD CONDITIONS. ANY CHANGE IN DIMENSIONS SHALL BE APPROVED BY THE OWNER.
9. AFTER FABRICATION, RISERS ARE COATED WITH EITHER A WATER BASED BITUMINOUS ASPHALT EMULSION PAINT OR BASE F-COAT W/ CHARCOAL BLACK TOPCOAT.
10. AVAILABLE OPTIONS IN LIEU OF CONE POINT SET SCREWS INCLUDE "L" CLIPS WITH HEX HEAD BOLTS.
11. IT IS PREFERABLE THAT THESE RISERS ONLY BE USED AS A LAST RESORT WHEN THE MANHOLE CAN'T BE RAISED IN ITS ENTIRETY

TOWN OF APEX
STANDARDS

SOLID STEEL RISER ASSEMBLY

EFFECTIVE: MARCH 23, 2021

STD. NO.

700.18

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