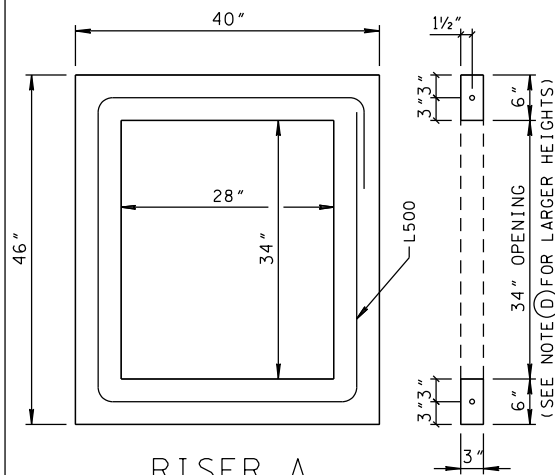
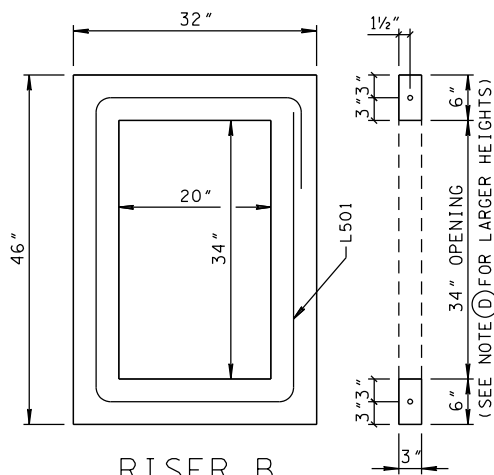
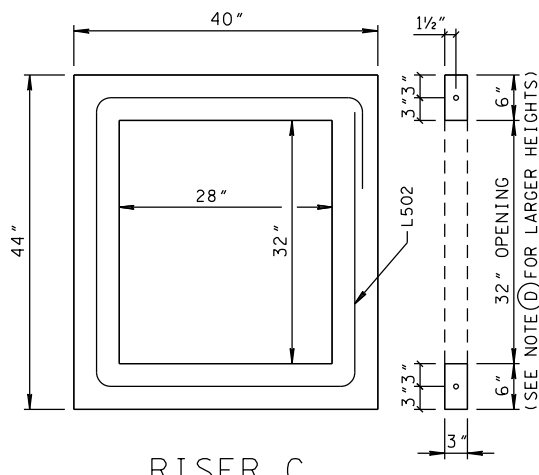




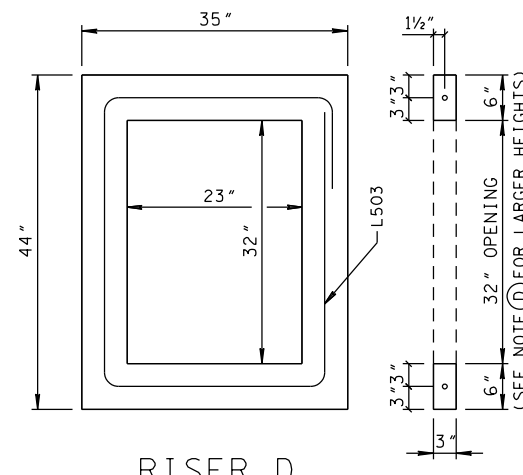
RISER A



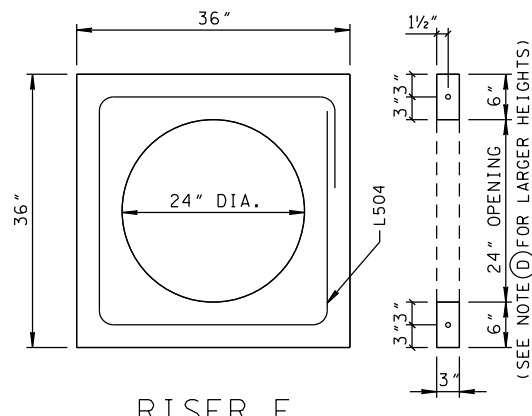
RISER B



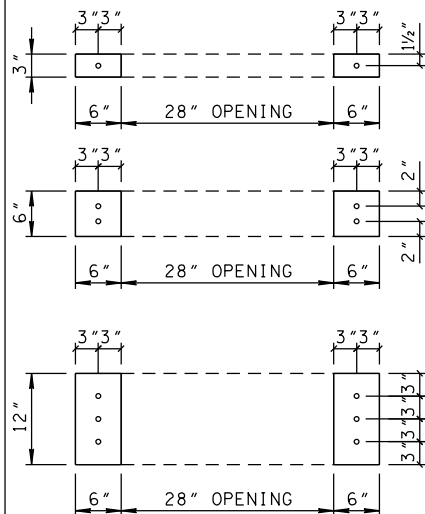
RISER C



RISER D



RISER E

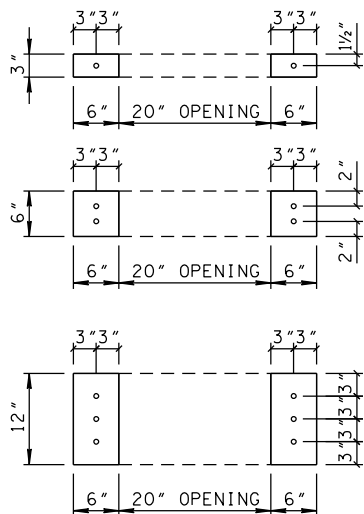


RISER A MAY BE USED WITH THE FOLLOWING STANDARD DRAWINGS:

D-CB-12P D-CB-25RB D-CB-41SE
D-CB-12RA D-CB-25S D-CB-41S
D-CB-12RB D-CB-25SC D-CB-41SB
D-CB-12RC D-CB-25SD D-CB-46SE
D-CB-12S D-CB-25SE D-CB-51SC
D-CB-12SB D-CB-25S D-CB-51SD
D-CB-12SC D-CB-25SB D-CB-51SE
D-CB-12SD D-CB-26P D-CB-52SE
D-CB-12SE D-CB-26S
D-CB-13P D-CB-27S
D-CB-13RA D-CB-28P
D-CB-13RB D-CB-28RA
D-CB-13RC D-CB-28RB
D-CB-13S D-CB-28S
D-CB-14P D-CB-29P
D-CB-14RB D-CB-29S
D-CB-14S D-CB-31R
D-CB-14SE D-CB-31SD
D-CB-16B D-CB-31SE
D-CB-16S D-CB-41P
D-CB-17S D-CB-41RB
D-CB-25P D-CB-41SC
D-CB-25RA D-CB-41SD

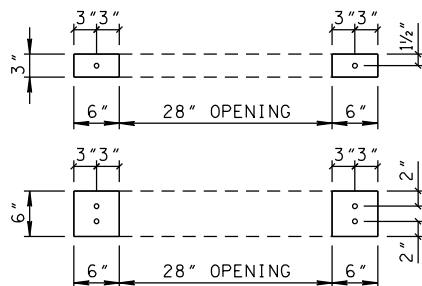
RISER B MAY BE USED WITH THE FOLLOWING STANDARD DRAWINGS:

D-CB-10RA
D-CB-10S
D-CB-10SB



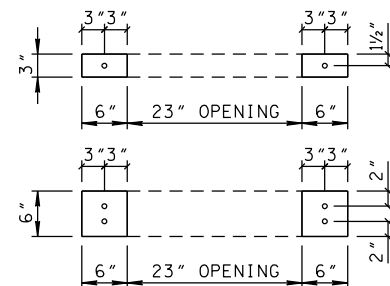
RISER C MAY BE USED WITH THE FOLLOWING STANDARD DRAWINGS:

D-CB-12LP
D-CB-25LP
D-CB-28LP
D-CB-41LP



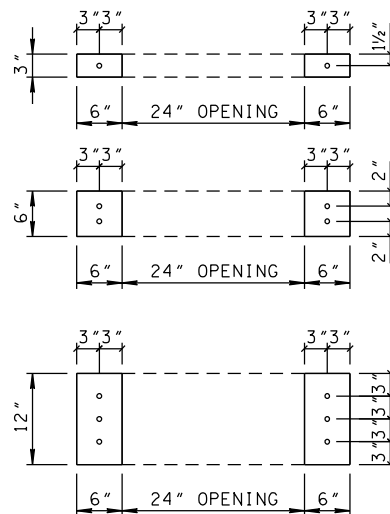
RISER D MAY BE USED WITH THE FOLLOWING STANDARD DRAWING:

D-CB-10LPC



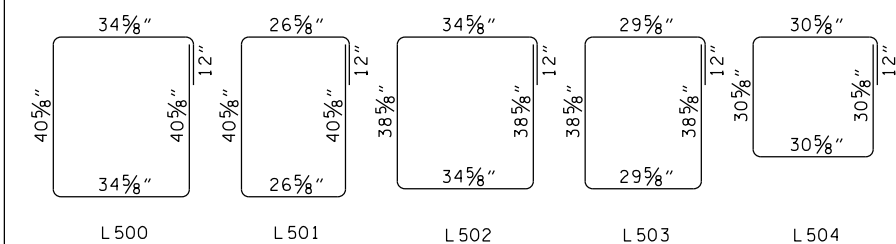
RISER E MAY BE USED WITH THE FOLLOWING STANDARD DRAWINGS:

D-MH-5
D-MH-6
D-MH-7



NOTE:
CIRCULAR RISER SECTION WITH A 24 INCH INSIDE DIAMETER AND A 30 INCH OUTSIDE DIAMETER WITH T500 DIA. 30 5/8 INCHES IS AN ACCEPTABLE ALTERNATE.

REINFORCING STEEL LEGEND



GENERAL NOTES

- (A) RISER FRAMES MAY BE USED TO SUBSTITUTE BRICK RISERS AS SHOWN ON STANDARD DRAWINGS. THE REQUIRED ADJUSTMENT HEIGHT MAY BE ACCOMPLISHED BY STACKING TWO RISER FRAMES. GROUT OR CONCRETE SEAL IS REQUIRED BETWEEN STACKED FRAMES.
- (B) CONCRETE: $f'_c = 4,000$ POUNDS PER SQUARE INCH AT 28 DAYS
REINFORCING STEEL: ASTM A615, $F_y = 60,000$ POUNDS PER SQUARE INCH
ALL REINFORCING IS TO BE INSTALLED AS DETAILED ON THIS DRAWING.
MIN. 1" CONCRETE COVER SHALL BE MAINTAINED DURING MANUFACTURING.
- (C) PAYMENT OF PRECAST RISER FRAMES SHALL BE INCLUDED IN THE TOTAL COST OF STRUCTURE.
- (D) VERTICAL SPACING OF REINFORCING STEEL IS TYPICAL FOR ALL PRECAST RISER HEIGHTS.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD
PRECAST RISER