**FABRICATION NOTES:**

1. Provide Class "M" concrete in accordance with Item 421 and having a minimum compressive strength of 5,000 psi.
2. Provide Grade 60 reinforcing steel or equivalent area of WWR.
3. Provide typical clear cover of 1 ½" to reinforcing steel at interior or exterior walls.
4. Walls or slabs with a thickness of 8" or greater require shrinkage and temperature reinforcing steel. Provide steel area = 0.11 in²/ft each way.
5. No substitution is allowed for vertical and horizontal #4 bars in corners.
6. Manufacture base and risers to nearest 3" increment.
7. Design tongue and groove joints for full closure on both shoulders. Minimum spigot depth is ¾".
8. Provide lifting devices in conformance with Manufacturer’s recommendations.
9. See sheet F00 for sizes, dimensions, and reinforcing steel not shown.

**INSTALLATION NOTES:**

1. If required elsewhere. Inverts (benching) to be provided by Contractor. Concrete or mortar used for invert is subsidiary to specified inlet or manhole.
2. Seal tongue and groove joints with preformed or bulk mastic in conformance with Manufacturer’s recommendations. Tongue and groove joints may be grouted no more than 1" between each section, or ½ the joint depth, whichever is greater.
3. Provide typical clear cover of 1 ½" to reinforcing steel at interior or exterior walls.
4. Provide Grade 60 reinforcing steel or equivalent area of WWR.
5. Provide Class "H" concrete in accordance with Item 421 and having a minimum compressive strength of 5,000 psi.
6. Provide #4 @ 2" O.C. each wall, 1" to joint.
7. Provide #4 @ 2" O.C. each wall, 1" to joint.
8. Provide lifting devices in conformance with Manufacturer’s recommendations.
9. Provide additional rebar #4 each wall, 1" to joint.
10. Provide additional rebar #4 each wall, 1" to joint.

**GENERAL NOTES:**

1. Provide typical clear cover of 1 ½" to reinforcing steel at interior or exterior walls.
2. Provide additional rebar #4 each wall, 1" to joint.
3. Provide tying devices in conformance with Manufacturer’s recommendations.
4. Provide additional rebar #4 each wall, 1" to joint.
5. Provide lifting devices in conformance with Manufacturer’s recommendations.
6. Provide additional rebar #4 each wall, 1" to joint.
7. Provide additional rebar #4 each wall, 1" to joint.
8. Provide lifting devices in conformance with Manufacturer’s recommendations.
9. Provide additional rebar #4 each wall, 1" to joint.
10. Provide additional rebar #4 each wall, 1" to joint.

**PIPE CONNECTION DETAIL:**

Correct pipe axis 7° of normal to PB wall. If necessary, use pipe elbow or curved approach alignment to stay within this limit.

**SECTION A-A**

SQUARE REDUCED RISER OPTION

**SECTION B-B**

ROUND REDUCED RISER OPTION

**PLATE VIEW "A"**

SQUARE REDUCED RISER OPTION

**PLATE VIEW "B"**

ROUND REDUCED RISER OPTION