Adjacent walls may have different widths based upon pipe configuration, but structure must be rectangular.

1. Provide two #4 hoop bars at top opening and at all pipe openings.

2. Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.

3. Wall widths vary with pipe diameter and range from 4 feet minimum to 9 feet maximum. Provide 12 inches of wall width (minimum) each side of pipe opening.

4. 12 inch minimum wall height above all pipes.

---

**Typical Section**

- **Adjustment Rings**
- **Top**
- **Wall**
- **Hoop Bars**
- **Concrete Fillet**
- **Base**
- **Short Wall Bedding Material**
- **Walls**
- **Hoop Bars (typ.)**
- **Concrete Bedding Material**
- **Lowest Flowline**
- **Flowline**
- **Depth (12'-0" max.)**
- **27" dia.**
- **27'' dia.**
- **8''**
- **8''**
- **8'' min. Class I Bedding Material**
- **8'' min. Class I Bedding Material**
- **10''**
- **10"**
- **12'' min.**
- **12'' min.**
- **4''**
- **4''**
- **6'' min.**
- **6'' min.**
- **12'' min.**
- **12'' min.**
- **2''**
- **2''**
- **411**
- **4w2**
- **4w3**
- **4t1**
Provide two #4 hoop bars at top opening and at all pipe openings.

Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of walls.

Wall widths vary with pipe diameter and range from 4 feet minimum to 9 feet maximum. Provide 12 inches of wall width (minimum) each side of pipe opening.

**REINFORCING BAR LIST**

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<th>Shape</th>
<th>Length</th>
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<td>4</td>
<td>Top</td>
<td>—</td>
<td>Long Wall plus 12”</td>
<td>6”</td>
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<tr>
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<td>—</td>
<td>Short Wall plus 12”</td>
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</tr>
<tr>
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<td>—</td>
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<tr>
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<tr>
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<td>Walls</td>
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<td>Wall Height minus 4”</td>
<td>12”</td>
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<tr>
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<td>Walls</td>
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<td>Long Wall plus 12”</td>
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**SECTION A-A**

Short Wall plus 8”

**BENT BARS**

Short Wall plus 8”

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<td>36”</td>
<td>12”</td>
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<td>Wall Height</td>
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