### TABLE OF DIMENSIONS AND QUANTITIES - 54" DIAMETER RISER

<table>
<thead>
<tr>
<th>H (in.)</th>
<th>R (in.)</th>
<th>X (in.)</th>
<th>Y (in.)</th>
<th>S</th>
<th>O (in.)</th>
<th>Total (Lg.)</th>
<th>No. Req’d</th>
<th>N (in.)</th>
<th>M (in.)</th>
<th>L</th>
<th>P</th>
<th>F</th>
<th>V</th>
<th>No. Req’d</th>
<th>r (in.)</th>
<th>Length (in.)</th>
<th>No. Req’d</th>
<th>r (in.)</th>
<th>Length (in.)</th>
<th>No. Req’d</th>
<th>r (in.)</th>
<th>Length (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>29</td>
<td>13/16</td>
<td>36</td>
<td>1/4</td>
<td>59</td>
<td>1 1/2&quot;</td>
<td>24</td>
<td>18</td>
<td>7 3/4</td>
<td>136&quot;</td>
<td>58&quot;</td>
<td>50&quot;</td>
<td>25&quot;</td>
<td>3</td>
<td>62</td>
<td>1/2&quot;</td>
<td>393</td>
<td>1</td>
<td>27</td>
<td>170</td>
<td>2</td>
<td>28</td>
</tr>
</tbody>
</table>

**Steel Anti-Vortex Baffle, Minimum Thickness 10 Ga. Perpendicular To Centerline Of Fill**

5/8" Steel Top Plate

1/2" Dia. Cast Lug Fasteners

N (Spacing At Extremity Of Rods)

M (Spacing At Pipe)

**CONSTRUCTION DIAGRAM FOR @ RODS**

**BENDING DIAGRAM FOR @ RODS**

**SECTIONAL ELEVATION A-A**

**BENDING DIAGRAM FOR @ @ RODS**

**BENDING DIAGRAM FOR @ RODS**

**FABRICATION NOTES**

1. Weld 3 @1, @2, and @3 rods to @1 rods and weld @3 rods to top plate.
2. The trash rack may be fabricated in identical halves and attached to the baffle plate with 1/2 inch diameter U bolts spaced approximately 12 inches C-C along the vertical and inclined sections of the @3 rods next to the baffle plate.
3. Trash rack to be fabricated from smooth round steel bars conforming to ASTM designation A-36.
4. Surface Preparation: Use solvent to remove any oil, grease or other soluble contaminants from the surface. After solvent cleaning, sand or grit blast to remove dirt, rust mill scale and other foreign material or residue.
5. Painting: Apply two coats of paint as follows. One coat of Epoxy Polyamide Primer and one coat of Epoxy Polyamide Finish.
6. Outside diameter of riser is 54 inches. Allow 1/4 inch clearance for ease of installation.