### SCHEDULE NO. 1

**Dimensions and Quantities**

<table>
<thead>
<tr>
<th>LINE</th>
<th>D</th>
<th>T</th>
<th>M</th>
<th>L</th>
<th>Q</th>
<th>NO</th>
<th>B</th>
<th>RE</th>
<th>LB</th>
<th>CU FT</th>
<th>STRUCTURAL</th>
<th>NOTES</th>
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</thead>
<tbody>
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<td>1/2</td>
<td>12</td>
<td>1/4</td>
<td>6</td>
<td>3</td>
<td>63</td>
<td>3</td>
<td>150</td>
<td>126</td>
<td>360</td>
<td>12</td>
</tr>
<tr>
<td>2.0</td>
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<td>1/2</td>
<td>6</td>
<td>1/4</td>
<td>6</td>
<td>3</td>
<td>63</td>
<td>3</td>
<td>150</td>
<td>126</td>
<td>360</td>
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<tr>
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<td>6</td>
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<td>63</td>
<td>3</td>
<td>150</td>
<td>126</td>
<td>360</td>
<td>12</td>
</tr>
</tbody>
</table>

### NOTES

1. See SCHEDULE NO. 2.
2. Schedule of Concrete Quantities are for boxes with bicycle-safe grating and 4 Anchor Bolts (Per Plan).
3. Add 0.010 Cu Yards of Concrete in Lines 1 thru 10 inclusive and 0.016 Cubic Yards of Concrete in Lines 11 thru 16 inclusive and subtract 0.032 Cubic Yards of Concrete in Lines 1 thru 10 inclusive and 0.036 Cubic Yards of Concrete in Lines 11 thru 16 inclusive.
4. The Hatch can be partially opened to allow the opening or cover plate to be replaced if dimension x is less than pipe diamter.
5. See Std C1492-EN-18 for "Steel Cover Plate" detail.

### SCHEDULE NO. 2

**Dimensions and Quantities**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>COVER PLATE</th>
<th>BICYCLE-SAFE GRATING</th>
<th>FRAME AND GATE</th>
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<td>1/2&quot; DIA</td>
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**SECTION C-C**

FRAME AND GATE INSTALLATION

GATE

FRAME

SET BOLT

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**Exercise 1:**

1. Identify all the components of the frame and gate installation, including the various plates (A, B, C, D) and bolts.
2. Explain the role of each component in the structure.
3. Describe the method for reinforcing the steel structure.
4. Provide a detailed list of the materials and quantities used in the construction of the frame and gate.

**Exercise 2:**

1. Calculate the total weight of the steel components (plates, cover plate, bicycle-safe grating) for the frame and gate installation.
2. Determine the size and number of anchor bolts required for securing the frame and gate to the ground.
3. Assess the environmental impact of the construction materials used in the frame and gate.

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**Exercise 3:**

1. Analyze the structural integrity of the frame and gate installation under various loading conditions.
2. Propose modifications to the design to improve the efficiency and safety of the structure.
3. Discuss the implications of using bicycle-safe grating in the design of the gate.