**BILL OF REINFORCING STEEL**

**MARK**

<table>
<thead>
<tr>
<th>NOTE NUMBERS</th>
<th>SIZE</th>
<th>NUMBER REQUIRED</th>
<th>LENGTH (NOTE 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5</td>
<td>12</td>
<td>24'-0&quot;</td>
</tr>
<tr>
<td>C1</td>
<td>7, 8 &amp; 9</td>
<td>3</td>
<td>16 (End 1)</td>
</tr>
<tr>
<td>C2</td>
<td>7, 8 &amp; 9</td>
<td>3</td>
<td>16 (End 2)</td>
</tr>
<tr>
<td>D1</td>
<td>7, 8 &amp; 9 &amp; 10</td>
<td>3</td>
<td>12 (End 1)</td>
</tr>
<tr>
<td>D2</td>
<td>7, 8 &amp; 9 &amp; 10</td>
<td>3</td>
<td>12 (End 2)</td>
</tr>
<tr>
<td>D3</td>
<td>6, 8 &amp; 9 &amp; 10</td>
<td>3</td>
<td>6'-3&quot;</td>
</tr>
<tr>
<td>M1</td>
<td>7, 8 &amp; 9</td>
<td>4</td>
<td>14 (End 1)</td>
</tr>
<tr>
<td>M2</td>
<td>7, 8 &amp; 9</td>
<td>4</td>
<td>14 (End 2)</td>
</tr>
<tr>
<td>M3</td>
<td>9</td>
<td>6</td>
<td>See Table 3'-8&quot;</td>
</tr>
<tr>
<td>N</td>
<td>4 &amp; 12</td>
<td>1/8 Strand</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>8 &amp; 9 &amp; 10</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>Z</td>
<td>6, 8 &amp; 9 &amp; 10</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

**BENDING DIAGRAMS**

**FLORIDA-I 63 BEAM - STANDARD DETAILS**

**ELEVATION AT END OF BEAM**

(End 1 Shown, End 2 Similar)

**END VIEW**

**SECTION A-A FOR CONVENTIONAL REINFORCING**

(Showing Bars 5K, 5Y & 5Z Only)
ALTERNATE REINFORCING STEEL (WWR) DETAILS

PLAN VIEW
PIECE M-1
(2 Required)

PLAN VIEW
PIECE M-3
(2 Required)

PLAN VIEW
PIECE S-1, S-2, S-3 or S-4
(2 Required Each Piece)

PIECE K-2
(FF Shown Solid, BF Shown Dashed)
(4 Required)

PIECE D-1
(4 Required - 2 Pairs)

PIECE D-2
(4 Required - 2 Pairs)

PIECE D-3
(4 Required - 2 Pairs)

NOTES:

1. See Sheet 1 for placement details & Table of Beam Variables in Structures Plans for variables J1, S2, S3, S4 & V1.
2. Place Conventional Reinforcement Bars 5A & 3C as shown on Sheet 1. Place additional Bars 5Y as shown in Section A-A for WWR. Bars 5Z will not be used with the WWR Option.
3. Pieces may be fabricated in multiple length sections.
4. For beams with skewed end conditions, Pieces D-1, D-2 & M-1 shall not be used; Conventional Reinforcement Bars D1, D2, C1, C2, M1 & M2 shall be used. See Index 20010 Skewed Beam End Details and Note 9 for placement details. Shift Pieces K & Bars 5Y to accommodate skewed end conditions and align with Bars C and D.

END VIEW
PIECES M
(2 Required)

END VIEW
PIECES K & S
(2 Required)

END VIEW
PIECES D
(4 Required - 2 Pairs)

11/01/16
FLORIDA-I 65 BEAM - STANDARD DETAILS

INDEX NO.
20063

SHEET NO.
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