Detailed

* Beam top flange shall be steel troweled to a smooth finish for 9" at the edges, as shown.

Use strands with an initial prestress force of 5 kips.

(+): Indicate prestressing strand.

Joint filler is applied.

Apply two layers of 30-lb roofing felt as a bond breaker to this region only.

The center portion shall be rough finished by scarifying the surface excluding where bends are made.

Strands debonded for X'-X" from end of beam. Strands may be varied from that shown.

Cut and shop bend with 2'-0" bent-up strands except at end.

Each layer of bent-up strands may be varied from that shown.

Minimum clearance to reinforcing shall be 1", unless otherwise noted.

Bent-up strands may be varied from that shown.

Actual lengths are measured along centerline of bar to the nearest inch.

Standard Practice for Detailing Reinforced Concrete Structures, 1961, is hereby referenced.

Minimum clearances to perpendicular reinforcing are as shown.

Minimum clearances to reinforcing bars within 12 inches of the ends only.

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Beams well be kept upright at all times. Support shall be provided to prevent beams from bulging, sagging, or collapsing. Cardboard polystyrene, according to ASTM C 578, designed to reduce heat gain and to act as a bond breaker shall be within 12 inches of the ends only.

For location of coil inserts at slab drains, see Sheet No. 3/4" drain holes shall be provided at each end.

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Prestressing tendons shall be uncoated, seven-wire, low-relaxation strands, 0.6 inch in diameter conforming to AASHTO M203, Grade 270. Prestressed concrete beam shall be in accordance with Section 1029.

General Notes:

Contractor for prestressed beams shall be use (loss = 0.20 kips per inch of prestress)

Table of Strand Instructions

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<tr>
<th>Strand Number</th>
<th>Strand Length</th>
<th>Strand Diameter</th>
<th>Strand Style</th>
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<td>#4-C1</td>
<td>2'-0&quot;</td>
<td>0.6&quot;</td>
<td>Seven-Wire</td>
<td>15</td>
</tr>
<tr>
<td>#4-S1</td>
<td>2'-0&quot;</td>
<td>0.6&quot;</td>
<td>Seven-Wire</td>
<td>15</td>
</tr>
<tr>
<td>#4-S2</td>
<td>2'-0&quot;</td>
<td>0.6&quot;</td>
<td>Seven-Wire</td>
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<td>#4-S3</td>
<td>2'-0&quot;</td>
<td>0.6&quot;</td>
<td>Seven-Wire</td>
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</tr>
<tr>
<td>#4-S4</td>
<td>2'-0&quot;</td>
<td>0.6&quot;</td>
<td>Seven-Wire</td>
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<td>#5-A1</td>
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<td>Seven-Wire</td>
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<tr>
<td>#5-S2</td>
<td>2'-0&quot;</td>
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</tbody>
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All bars shall be epoxy coated.

Minimum clearance to reinforcing shall be 1", unless otherwise noted.

Minimum clearances to reinforcing bars within 12 inches of the ends only.

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