ERECTON AND SLAB PLACEMENT BRACING

(_SHOWING 30 FT ROADWAY, 24 AND 28 FT ROADWAYS SIMILAR)

Details:
- Diagonal Bracing on first beam erected
- Permanent #5 bar
- Wedge Security in Place

INTERMEDIATE BRACING DETAILS

DETAIL "A"

ANGLE BRACE DETAILS

DIAGONAL BRACING DETAILS

GENERAL NOTES:
- Permanent diagrams shall be placed immediately after erection of each beam.
- Intermediate bracing shall remain in place until slab concrete has attained an ultimate strength of 3,000 psi.
- All bracing required on this standard is considered subsidiary to Structural Steel Beam Standard Designs.
- The details shown on this sheet are applicable for use only with SBSD-24, SBSD-28 and SBSD-30.

TABLE A

<table>
<thead>
<tr>
<th>Beam Type</th>
<th>Req Min Cable Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>W18 &amp; W21</td>
<td>7/8&quot;</td>
</tr>
<tr>
<td>W24 &amp; W27</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>W30 &amp; W33</td>
<td>2&quot;</td>
</tr>
<tr>
<td>W36 &amp; W40</td>
<td>2-1/2&quot;</td>
</tr>
</tbody>
</table>

STEEL BEAM SPANS REQUIREMENTS

ERECTION AND BRACING REQUIREMENTS

STEEL BEAM SPANS

DIAGONAL BRACING DETAILS

1. Install in exterior bays prior to slab placement. Space equally between permanent diaphragms (12'-6" min Spacing).
2. Pressure treated landscape timbers must not be used. Remove temporary bracing after deck is placed.
3. Use wedges as necessary to obtain tight fit. Nail wedges to 4 x 4 timbers.
4. All hardware used with cable must be able to develop the minimum ultimate strength of the cable.
5. Use wedges as necessary to obtain tight fit. Nail wedges to 4 x 4 timbers.
6. Permanent diaphragms shall be placed immediately after erection of each beam. Intermediate bracing shall remain in place until slab concrete has attained an ultimate strength of 3,000 psi.
7. All bracing required on this standard is considered subsidiary to Structural Steel Beam Standard Designs.

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