1. See SD 9.52 (4 of 5) for handrail, post and hinging details.
2. See SD 9.52 (4 of 5) for inside handrails, grating and toeboard details.
3. 1/2" galvanized safety chain with 13/8" snap hook at end of both catwalks.
4. See SD 9.52 (2 of 5) for Detail B.
5. See SD 9.52 (2 of 5) for Detail E.
6. Optional mast arm field splice, if any, shall not interfere with catwalk supports.
7. Cabinet door hinges shall be located at tube side to allow for railing movement with door open.
Provide \( \frac{1}{2}" \times \frac{1}{2}" \times \frac{1}{4}" \) holes for \( \frac{1}{2}" \) pivot bolts and nut (1" bolt thread) and nut \( \frac{1}{16}" \) bolt thread)

Minimum catwalk length shall be 6\( \frac{3}{4} \). (Minimum two support posts per rail section).

Minimum support post spacing shall be 1\( \frac{1}{10} \) (Minimum three spaces per rail section).

Handrail to be \( \frac{1}{2}" \times \frac{1}{2}" \) x \( \frac{1}{4}" \) square steel tubing weighing 2.70 plf.

Provide eye bolt at ends of top handrail for \( \frac{1}{4}" \) galvanized safety chain with \( \frac{1}{2}" \) snap hook per catwalk end.

Provide \( \frac{1}{4}" \) holes at end of top handrail for \( \frac{1}{4}" \) pivot bolts and \( \frac{1}{4}" \) holes for \( \frac{1}{4}" \) face bolts.

See SD 9.20 (3 of 5) for CAMBER DIAGRAM and camber notes.
See Table at right for grating dimensions:

**GRATING DIMENSIONS**

<table>
<thead>
<tr>
<th>Grate No.</th>
<th>Length</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-1</td>
<td>1 1/8&quot;</td>
<td>2 1/16&quot;</td>
</tr>
<tr>
<td>Interior</td>
<td>Various*</td>
<td>2 1/16&quot;</td>
</tr>
</tbody>
</table>

* Maximum length of G-2 is 10'-6" ** Use additional interior grating sections of 4'-3 1/8", 8'-1/2" or 12'-13 1/2" if required

NOTES:

- Welded grating shall meet the standard requirements of ANSI/NAAMM WGB 531-00. Grating shall be 1 1/8" x 1/4" bearing bars at 1 1/4" centers and cross bars at 4" centers.

  - All grating to have 1 1/2" x 1/4" banding bars at both ends.
  - Weld bearing bars to banding bars with 1/2" fillet weld, one side every second bar as shown in Detail A.
  - All grating to be straight and true after fabrication. Grating shall be galvanized.

  See Table at right for grating dimensions.