**RAIL POST DETAIL**

- **DETAIL "C" (TYP.):**
  - 2½" x 2" x 3" Slots at Bottom of Top, Middle, and Bottom Rails.
  - 3½" Weld Plate (TYP.)
  - 2½" x 1½" x ½" Nylon Shim (TYP.)
  - Button Head Cap Screw (TYP.)

- **DETAIL "B" (TYP.):**
  - Rail Post Cap Detail
  - Thru Bolt/Rail Post Cap detail
  - M5 SS x 2 x ¾ Rail (TYP.)
  - HSS x 2 x ¾ Rail (TYP.)
  - Rail Spindles 2½" x ½" Solid Bar (Spec. 3361)

**RAILPOST CAP DETAIL**

- **DETAIL "A" (TYP.):**
  - Rail Post Cap Detail
  - Thru Bolt/Rail Post Cap detail
  - M5 SS x 2 x ¾ Rail (TYP.)
  - HSS x 2 x ¾ Rail (TYP.)
  - Rail Spindles 2½" x ½" Solid Bar (Spec. 3361)

**RAILHEIGHT TABLE**

<table>
<thead>
<tr>
<th>Nominal Height</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>4'-6&quot;</td>
<td>4'-6&quot;</td>
</tr>
<tr>
<td>4'-0&quot;</td>
<td>4'-0&quot;</td>
</tr>
<tr>
<td>4'-2&quot;</td>
<td>4'-2&quot;</td>
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<td>4'-4&quot;</td>
<td>4'-4&quot;</td>
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<td>4'-6&quot;</td>
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<tr>
<td>4'-8&quot;</td>
<td>4'-8&quot;</td>
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<tr>
<td>4'-10&quot;</td>
<td>4'-10&quot;</td>
</tr>
</tbody>
</table>

**GENERAL NOTES**

- Contour all metal railings. See special provisions, note the electrical plans and electrical special provisions for details regarding running multiple electrical grounding systems.

- Payment length shall be measured as the cut to curb length along the centerline of the railing between the outside curb with reductions for the length of concrete posts, if present.

- Provide grade B structural steel turning 6155 in the rail, confirming to spec. B.101, provide all other steel in accordance with spec. 3392. Galvanize all structural steel in accordance with spec. 3392, after fabrication. Provide a pyramid top style steel cap welded to the top of the cap, on the non-traffic side of the post as necessary to facilitate galvanizing. Maximum hole size is ½" dia.

- See concrete curb plan sheet for control joint spacing and details.

- Provide a paper top style metal cap welded to the top of the post with a ½" dia. hole for the inside of the rail, in accordance with spec. 3391, type A, with a threaded nut and washer. Provide an adhesive with a minimum bond strength of 8.8 kips in accordance with spec. 3385, type A with adhesive anchoring in accordance with spec. 3394, after fabrication. Provide a pyramidal top style steel cap welded to the top of the post, if present.

- See concrete curb plan sheet for control joint spacing and details.

- Provide a pyramid top style metal cap welded to the top of the post with a ½" dia. hole for the inside of the rail, in accordance with spec. 3392. Galvanize all other structural steel in accordance with spec. 3392, after fabrication. Provide a pyramid top style steel cap welded to the top of the post, if present.

- See special provisions for coating to be applied to metal railings.

- Install rail posts and spindles normal to grade or plum. Curve horizontal rails where applicable and place rails parallel to the edge of sidewalk profile.

- See special provisions for requirements not included on this sheet.

- Drill ½" dia. max. Vent Holes on the underside of rail tubes as necessary to facilitate galvanizing.

- Ensure hex nut is in contact with the adjacent surface and regard less of characteristic bond strength. Drill through concrete of 1.5ksi. Embed the anchorage no less than 8" from the inside edge of the rail. Provide a pyramid top style steel cap welded to the top of the post, if present.

- See concrete curb plan sheet for control joint spacing and details.

- PROVIDE A PYRAMID TOP STYLE METAL CAP WELDED TO THE TOP OF THE POST WITH A ½" DIA. HOLE FOR THE INSIDE OF THE RAIL, IN ACCORDANCE WITH SPEC. 3391, TYPE A, WITH A THREADED NUT AND WASHER. PROVIDE AN ADHESIVE WITH A MINIMUM BOND STRENGTH OF 8.8 KIPS IN ACCORDANCE WITH SPEC. 3394, AFTER FABRICATION.

- Provide a pyramid top style steel cap welded to the top of the post, if present.

- See special provisions for coating to be applied to metal railings.

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