SECTION

Calculating Weight per Yard -------------- 140.6 lbs.
Gross Tons per Mile of Track ------------- 220.9
Track Miles per 1000 Gross Tons ---------- 4.53

Neutral Axis
6.8^R

MATHEMATICAL ATTRIBUTES

<table>
<thead>
<tr>
<th>Area</th>
<th>Sq. Inches</th>
<th>Per Cent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head</td>
<td>5.0</td>
<td>36.7</td>
</tr>
<tr>
<td>Web</td>
<td>3.9</td>
<td>28.0</td>
</tr>
<tr>
<td>Base</td>
<td>4.9</td>
<td>35.3</td>
</tr>
<tr>
<td>Total</td>
<td>13.8</td>
<td>100.0</td>
</tr>
</tbody>
</table>
| Moment of Inertia = 96.8
| Sec. Modulus of Head = 24.6
| Sec. Modulus of Base = 28.7
| Ratio M.I. to Area = 7.0
| * Sec. Modulus Head to Area = 1.8
| * Height to Base = 1.22
| * Base to Height = 0.82

DRILLING

Rails shall be in accordance with current Conrail MW 180 Specifications.

71010-C

CONRAIL

STANDARD

140 LB. R.E. RAILS

SEPTEMBER, 1976

R. F. SMITH
Chief Engineer - Maintenance of Way

C. C. CRAMER
Assistant Engineer - Tentative Specifications