I. SPECIFICATIONS

A. CORRUGATED SHEET STEEL BEAMS SHALL CONFORM TO THE CURRENT REQUIREMENTS OF AASHTO M180 CLASS B TYPE II. THE SECTION SHALL BE MANUFACTURED FROM SHEETS WITH A NOMINAL WIDTH OF 2430 MM (96 INCHES). PROPERTIES ARE CALCULATED FOR THE WHOLE CROSS-SECTION WITHOUT A REDUCTION FOR THE SPICE BOLT HOLES.

<table>
<thead>
<tr>
<th>AREA (10 mm²)</th>
<th>b (10 mm)</th>
<th>t (10 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.7</td>
<td>1.3</td>
<td>29</td>
</tr>
</tbody>
</table>

B. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.

C. STEEL BEAMS SHALL HAVE A BASE METAL THICKNESS OF 3.43 mm, EXCEPT WHERE NOTED OTHERWISE.

NOTE APPLICABLE TO ALL METAL BARRIER DRAWINGS:

1. DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO CONSTRUCT THE METAL BARRIERS, CONNECTIONS AND TERMINALS ILLUSTRATED IN THESE DRAWINGS SHALL BE A SUBSIDIARY OBLIGATION.
3. NOMINAL THICKNESS FOR FINISHED SHEET OR BEAM CLASS B TYPE II SHALL BE AS FOLLOWS:

<table>
<thead>
<tr>
<th>THICKNESS</th>
<th>TOLERANCES UNDER SPECIFIED THICKNESS</th>
<th>NO LIMIT FOR OVER THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>in</td>
<td>mm</td>
</tr>
<tr>
<td>3.58</td>
<td>0.141</td>
<td>0.25</td>
</tr>
</tbody>
</table>

4. THE USE OF DIFFERENT GUARDRAIL BLOCKOUTS INDIVIDUALLY APPROVED BY NCHRP 350, IN THE SAME SEGMENT OF GUARDRAIL SHALL NOT BE PERMITTED.
5. MATERIALS NOT COMPLYING WITH THE REQUIREMENTS INDICATED IN THE STANDARD DRAWINGS WILL NOT BE ACCEPTED.

TYPICAL RAIL ELEMENT

COMMUNEOM OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY AND TRANSPORTATION AUTHORITY

METAL BARRIER
W-BEAM STRONG POST HARDWARE

STANDARD DRAWING APPROVED BY:

DATE

SEPTEMBER 2009