Portage Equipment Building Bollard Material List

Materials are to be delivered within twelve (12) weeks of date of order to:
   Alaska Railroad Corporation
   485 Ocean Dock Road
   Anchorage, Alaska  99501

There are no domestic steel requirements for the following materials.

4 EACH: 10 Inch Diameter Pipe, 1/2 Inch Wall Thickness, 9 feet long. HOT DIPPED GALVANIZED PER ASTM A123

Pipe shall meet one of the following specifications:

1. ASTM A 53 Grade B:
   Hydrostatic test requirements are waived.
   Nondestructive electric test requirements are waived.

2. ASTM A 252 Grade 2:
   Chemical composition must meet the requirements of ASTM A53, Grade B, or API Specification 5L, Product Specification Level 1, Grade X52.

3. ANSI/API Specification 5L, PSL 1, Grade X52:

4. ANSI/API Specification 2B, Fabricated Structural Steel Pipe:
   Pipe must be fabricated from a listed base metal plate found in AWS D1.1 under tubular structures.

4 EACH: 10 Inch Diameter, ½ Inch Wall Thickness, ASME SA-234 Grade B, Weld-On Cap, HOT DIPPED GALVANIZED PER ASTM A123.