



شركة رضا الوطنية REDA NATIONAL CO.

للدهانات وسلامة الطرق
FOR ROAD PAINT & HIGHWAY SAFETY
GUARDRAIL DIVISION

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MANUFACTURING CERTIFICATE

We, REDA NATIONAL CO. Guardrail division, certify that we are local manufacturers of steel guardrails and accessories.

Our Production are in accordance with the following norms:

Galvanized Steel Guardrails:

- Base metal, in accordance with AASHO M 180 Class "A" Type 2, ASTM A 446/7; or ASTM A36
- Galvanized in accordance with AASHO M 111(ASTM A123) by hot dip process, both faces: Zinc coating not less than 2 Oz per square foot (610 gm/m²) of sheet, double face exposed.
- General Specifications:
 - The sheet used shall be not less than 475 mm and not more than 500 mm in width.
 - After forming the guardrail beam shall have the following dimensions:
 - Width of not less than 310 mm
 - A depth of not less than 81 mm.
 - A thickness of 2.67 mm – 2.82mm or according to requirements of the customer.
 - Effective length 3810 mm
 - The thickness of beam after galvanization as per Type 2 shall be 2.82mm (with allowable tolerance according to Table 1 of AASHTO M180.
 - The yield point shall be 50,000 P.S.I.
 - The tensile strength shall be 70,000 P.S.I.
 - The elongation shall be 12% Min.

Galvanized Steel Posts:

- Manufactured in accordance with AASHO M 183 or (ASTM A36)
- Galvanized in accordance with AASHO M 111 or (ASTM A123) by the hot dip process, both faces.
- Size shall be C-150 x 100 x 5 mm and 1830 mm long.

Galvanized Steel Bolts, Nuts and Washers:

- Manufactured in accordance with AASHO M 164 & conform strength according to ASTM A 325
- Galvanized in accordance with ASTM A 153

Base Plate:

- Base plate base metal conforms to AASHTO M 180 or ASTM A 446/7 Grade "F"
- Hot dip galvanization in accordance with ASTM A123.