

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

|                    |   |
|--------------------|---|
| Scouting Number    | 2025-256  |
| Item to be Scouted | Heavy Crane Rail  |
| Days to be scouted | 90  |
| Response Due By    | 11/04/2025  |
| Description        | This is specialty heavy crane rail, 175 lbs/LF (175-CR or MRS-87A), conforming to ASTM A759.<br>Hot rolled carbon steel, control-cooled, heat hardened 321 to 388 minimum |

## Section 2: Technical Information

|   |   |
|---|---|
| Type of supplier being sought   | Louisiana Manufacturer  |
| Reason  | BABA  |
| Describe the manufacturing processes (elaborate to provide as much detail as possible)        | Hot rolled carbon steel, control-cooled, heat hardened 321 to 388 minimum Brinell hardness.   |
| Provide dimensions / size / tolerances / performance specifications for the item              | This is specialty heavy crane rail, 175 lbs/LF (175-CR or MRS-87A), conforming to ASTM A759. Hot rolled carbon steel, control-cooled, heat hardened 321 to 388 minimum Brinell hardness.<br><br>See attached engineering drawings/specs for additional information. |
| List required materials needed to make the product, including materials of product components | This is specialty heavy crane rail, 175 lbs/LF (175-CR or MRS-87A), conforming to ASTM A759.<br>Hot rolled carbon steel, control-cooled, head hardened 321 to 388 minimum Brinell hardness.   |
| Are there applicable certification requirements?  | No  |
| Are there applicable regulations?   | No  |
| Are there any other standards, requirements, etc.?  | No  |
| Additional Technical Comments   | See attached engineering drawings   |

## Section 4: Business Information

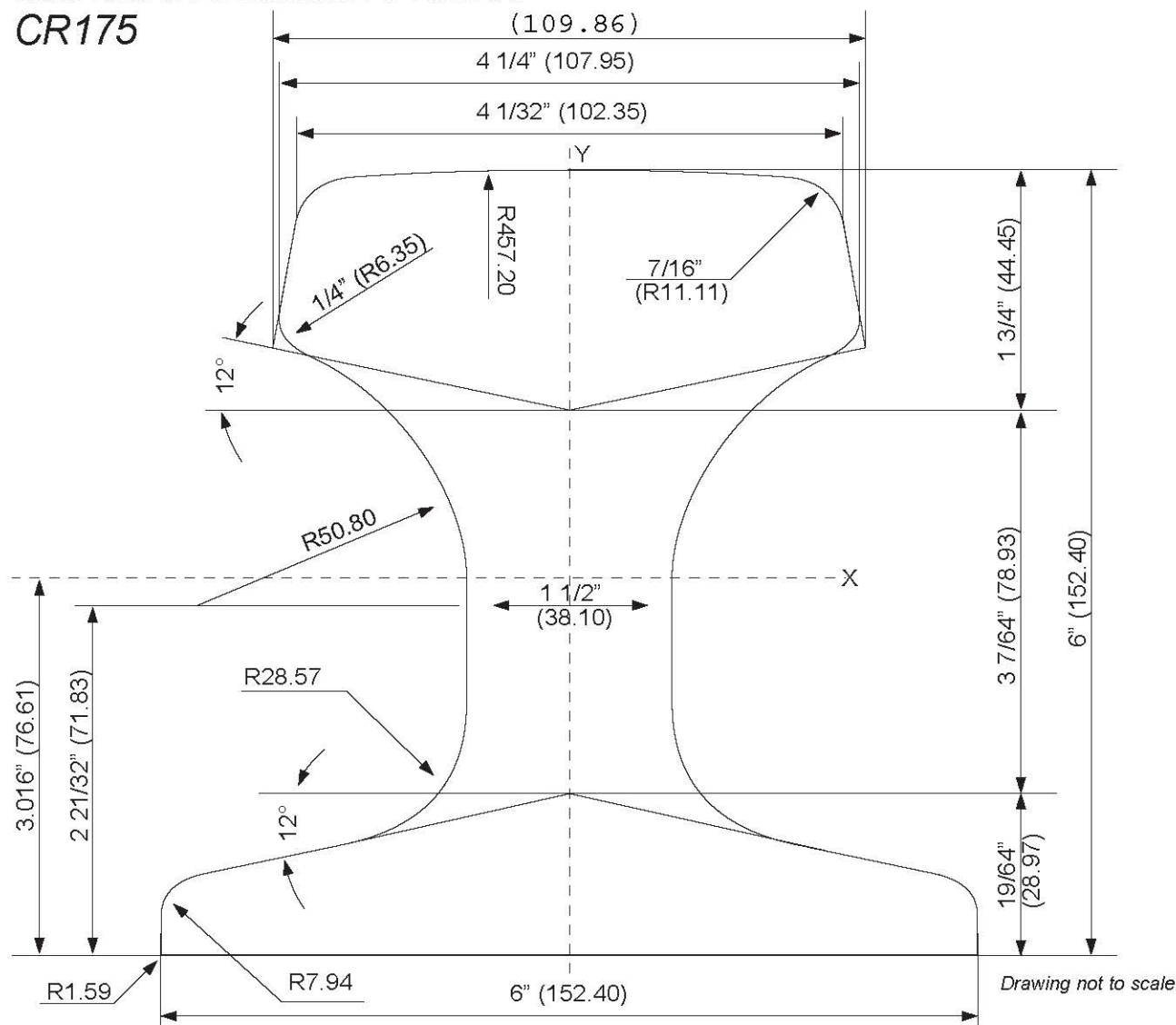
|   |  |
|---|--|
| Estimated potential business volume                                     | We need 5,200 Linear Feet of this rail, with ten expansion joints. |
| Estimated target price / unit cost information (if unavailable explain) | Best Cost Available  |
| When is it needed by?   | 1Q2027   |
| Describe packaging requirements   | Best price bulk shipping by road or rail                           |
| Where will this item be shipped?  | New Orleans, Louisiana   |

## Additional Comments

|   |                                  |
|---|----------------------------------|
| Is there other information you would like to include? | This needs to be BABA US sourced |
|---|----------------------------------|

## Standard American Profiles\*

### CR175



#### Technical Data

Nominal weight: 175.0 lb/yd (86.80 kg/m)

Area: 17.12 In<sup>2</sup> (110.45 cm<sup>2</sup>)

Moment of inertia: 70.22 In<sup>4</sup> (2923.00 cm<sup>4</sup>)

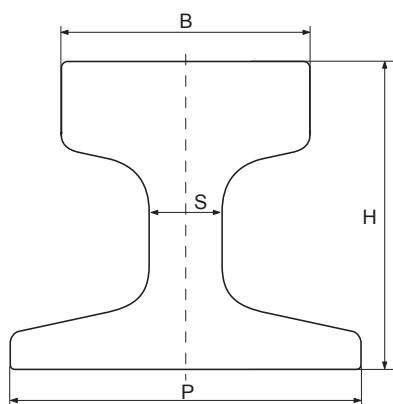
Sec. Modulus-Head: 23.50 In<sup>3</sup> (385.70 cm<sup>3</sup>)

Sec. Modulus-Base: 23.28 In<sup>3</sup> (381.49 cm<sup>3</sup>)

\* Consult Gantrex for clips and pad selection.

## Other European Profiles

### MRS 73 - MRS 221\*



#### Technical Data

| Profile | Area<br>(in <sup>2</sup> ) | Area<br>(cm <sup>2</sup> ) | Moment of Inertia<br>(in <sup>4</sup> ) | Moment of Inertia<br>(cm <sup>4</sup> ) | Section Modulus – Head<br>(in <sup>3</sup> ) | Section Modulus – Head<br>(cm <sup>3</sup> ) |
|---------|----------------------------|----------------------------|---|---|--|--|
| MRS 73  | 14.5                       | 93.8                       | 63.4                                    | 2660.0                                  | 23.9   | 391.2  |
| MRS 86  | 16.9                       | 108.9                      | 25.3                                    | 1052.7                                  | 13.5   | 221.6  |
| MRS 87A | 17.25                      | 111.3                      | 73.7                                    | 3048.0                                  | 24.4   | 400.0  |
| MRS 125 | 24.85                      | 160.2                      | 149.5                                   | 6225.0                                  | 41.5   | 681.0  |
| MRS 192 | 37.89                      | 244.5                      | 132.8                                   | 5516.0                                  | 47.4   | 776.9  |
| MRS 221 | 43.76                      | 282.1                      | 164.8                                   | 6862.0                                  | 50.56  | 828.7  |

| Profile | Weight |       | Base (P) |       | Height (H) |       | Head (B) |       | Web (S) |       |
|---------|--------|-------|----------|-------|------------|-------|----------|-------|---------|-------|
|         | lbs/yd | kg/m  | inches   | mm    | inches     | mm    | inches   | mm    | inches  | mm    |
| MRS 73  | 148.4  | 73.6  | 5.74     | 146   | 6.18       | 157.0 | 2.76     | 70    | 1.26    | 32.0  |
| MRS 86  | 172.4  | 85.5  | 6.50     | 165.0 | 4.02       | 102.0 | 4.02     | 102.0 | 3.16    | 80.3  |
| MRS 87A | 175.0  | 86.8  | 6.00     | 152.4 | 6.00       | 152.4 | 4.00     | 101.6 | 1.37    | 34.9  |
| MRS 125 | 252.0  | 125.0 | 7.09     | 180.0 | 7.09       | 180.0 | 4.72     | 120.0 | 1.57    | 40.0  |
| MRS 192 | 387.1  | 192.0 | 9.02     | 229.0 | 6.19       | 157.2 | 5.51     | 140.0 | 5.05    | 128.3 |
| MRS 221 | 446.3  | 221.4 | 8.66     | 220.0 | 6.30       | 160.0 | 8.66     | 220.0 | 5.71    | 145.0 |

\* Consult Gantrex for clips and pad selection.