

METRO-NORTH COMMUTER RAILROAD

POWER DEPARTMENT

SPECIFICATION NO. PD-803, REVISION 1

SPLICE PLATES (IRON), BOLTS, NUTS AND WASHERS

PART 1 – SCOPE

- 1.1 This Specification covers the manufacture, inspection, and test of splice plates, shoulder bolts and nuts, and non-standard washers for installation at joints in 150-pound third rails and connections to cast end approaches.**

PART 2 – MATERIAL AND WORKMANSHIP

- 2.1 The splice plates shall be cast of malleable iron conforming to ASTM Standard Specification for Malleable Iron Castings, Designation A47, Grade 35018.**

The castings shall be smooth, true to pattern, free from cold shuts, blow holes or any other defects that diminish their strength, durability, or appearance.

All castings shall be in strict accordance with the dimensions and tolerances indicated on Standard Plan STD-301. The surfaces against which bolt head or washer will bear shall be smooth and true.

The type designation shall be cast on the face of each plate as indicated on the Drawing.

Each splice plate shall be permanently cast with the manufacture's identification and batch code.

- 2.2 The oval neck track bolts and nuts shall be low-carbon steel and shall conform to ASTM Standard Specification A183, Grade 2 (heat treated) and Standard Plan STD-301.**
- 2.3 The non-standard washers shall be punched from hot-rolled carbon sheet or strip, structural grade, conforming to ANSI/ASME B18.22.1, and Standard Plan STD-301.**

PART 3 – INSPECTION AND TEST

- 3.1 In advance of quantity manufacture, the manufacturer shall provide five (5) castings for pattern verification and approval by the Railroad.**
- 3.2 At all stages of manufacture, the Railroad's representative shall have**

full access to the work in progress in the manufacturer's plant or elsewhere, and the manufacturer shall furnish every facility and all necessary assistance for assuring that the requirements of this Specification are met.