

METRO-NORTH COMMUTER RAILROAD

POWER DEPARTMENT

SPECIFICATION NO. PD-802, Revision 3 (4/29/2013)

7'-6" CAST END APPROACHES

PART 1 – SCOPE

- 1.1 This Specification covers the manufacture, inspection, and shipment of 7'-6" cast end approaches for use with 150 NMC third rail.

PART 2 – MATERIAL AND WORKMANSHIP

- 2.1 The end approaches shall be gray iron castings, in accordance with ASTM Standard Specification for Gray Iron Castings, Designation A48, Class 30B.
- 2.2 All castings shall be in accordance with the dimensions and tolerances indicated on the latest revision of Standard Plan No. STD-302.
- 2.3 The end approach web cavity must be deep and wide enough to accept fully inserted bracket insulators Type 150-3 up to a distance of 22 inches from the end approach nose. Bracket insulator Type 150-3 dimensions are shown on attached Drawing No. SP-213.
- 2.4 The castings shall be smooth, true to pattern, and free from defects that diminish their strength, durability, appearance, and smooth interface with supporting fiberglass bracket insulators.

PART 3 – INSPECTION

- 3.1 In advance of quantity manufacture, the manufacturer shall provide three (3) drilled castings for pattern verification and the approval of 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 him with every facility and all necessary assistance for assuring himself that the requirements of this Specification are met.

PART 4 – SHIPMENT

- 4.1 End approaches shall be shipped in crates not exceeding 5,000 pounds in total weight, with wooden separators to prevent damage to the contact surfaces in loading, shipping and unloading using cable slings. The design of the crates and separators shall receive the approval of the Railroad in advance of first shipment. End approaches damaged in shipment shall be replaced by the manufacturer free of cost.