

**METRO-NORTH COMMUTER RAILROAD**

**POWER DEPARTMENT**

**SPECIFICATION NO. PD-806**

**HOOK BOLTS AND NUTS**

**PART 1 – SCOPE**

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- 1.1 This Specification covers forged steel hook bolts used to suspend insulators that support a) contact rails and b) end approaches. The four types of hook bolts are designated M150-1 and M150-2, respectively, as shown on Drawing No. SP-214 for use on the 150-LB third rail system and Type 1 and Type 2, respectively, as shown on Drawing No. M-1013 for use on the 37-LB aluminum third rail system.

**PART 2 – MATERIAL AND WORKMANSHIP**

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- 2.1 The hook bolt shall be forged from steel of AISI Grade C1020.
- 2.2 The dimensions of the forged hook bolts shall be as indicated on Drawing No. SP-214 or Drawing No. M-1013.
- 2.3 The hook bolts shall be cleaned and galvanized in accordance with ASTM A153.
- 2.4 The threaded portion of the bolts shall be threaded, or re-threaded after galvanizing, and shall be covered with a rust-resisting coating.
- 2.5 Nuts for hook bolt shall be steel, zinc plated with nylon insert as shown on Drawing No. SP-214 or Drawing No. M-1013 and shall conform to ESNA No. 4 INU1210, or approved equal.
- 2.6 Each hook bolt shall be permanently cast with the manufacture's identification code.

**PART 3 – INSPECTION**

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- 3.1 In advance of quantity production, the manufacturer shall provide five (5) samples of each type, forged with the final dies, for approval of the Railroad.

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