Fabrication Details - All Metal Poles

**Fabrication Details**

**Terminal Compartment Detail**

- **Terminal Compartment, 3 Gauge, (min.)**
- **2" Half Coupling with Internal Threads**
- **2" Dia. Hole in Pole Wall for Wire Entrance**
- **11 Gauge Thick Cover Plate Backed with Full Width 1/4" Thick Gasket with Chain or Cable**
- **2" Half Coupling with Internal Threads**
- **2" Dia. Hole**
- **Grounding Lug**

**Notes:**
- Unless otherwise specified, locate Terminal Compartment 1 foot above the pole base plate at 180 degrees on the pole's radial index.

**Section O.C**

**Identification Tag Details**

- **Shaft I.D. Tag**
  - (Provide on Shaft of Strain Poles and Mast Arm Poles Shaft)

- **Arm I.D. Tag**
  - (Provide on each section of a multi-section mast arm.)

**Typical Fabrication Details**

- **Anchor Bolt Detail**
  - Provide 4 heavy hex nuts and 4 flat washers per anchor bolt.
  - Min. thread at top of bolt = 10" for 2" diameter bolt.
  - Galvanize a minimum of 2" below threads from top of bolt.
  - 2" x 60" Anchor Bolt unless otherwise specified.
  - Min. thread at bottom of bolt = 8" Galvanization not required at bottom of bolt.

**Notes:**
- D = Diameter, T = Thickness, L = Length, Y = Yield Strength
- A.B. = Anchor Bolt
- B.C. = Bolt Circle of Anchor Bolts
- If custom design, use "NCDOT STANDARD" line for Signal Inv. Number and pole I.D. number
- See drawing M3 and M4 for mounting positions of I.D. tags.

**Anchor Bolt Hole = Bolt Dia. - 1/4" (Typ.)**

**Base Plate Size as Required by Design.**

- **Base Plate Template and Anchor Bolt Lock Plate Details**
  - Construct Templates and Plates from 1/4" min. thick steel. Galvanizing is not required.

**Base Plate Template and Anchor Bolt Lock Plate Details**

- **Top**
  - Provide 4 heavy hex nuts and 4 flat washers per anchor bolt.
  - Min. thread at top of bolt = 10" for 2" diameter bolt.
  - Galvanize a minimum of 2" below threads from top of bolt.
  - 2" x 60" Anchor Bolt unless otherwise specified.
  - Min. thread at bottom of bolt = 8" Galvanization not required at bottom of bolt.

- **Bottom**
  - Provide 4 hex nuts and 4 flat washers per anchor bolt.
  - Min. thread at top of bolt = 10" for 2" diameter bolt.
  - Galvanize a minimum of 2" below threads from top of bolt.
  - 2" x 60" Anchor Bolt unless otherwise specified.
  - Min. thread at bottom of bolt = 8" Galvanization not required at bottom of bolt.