**Strain Pole Attachments**

**NOTE:**

1. Strap all signal cables to the side of the pole with 0.05" stainless steel straps when the distance between the spanwire attachment clamp and the weatherheads exceeds 3'-0".

2. Provide minimum two spanwire pole clamps per pole.

3. It is prohibited to attach two span wires at one pole clamp.

4. For general requirements refer to NCDOT Standard Specifications for Roadway and Structures, January 2012.

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**Metal Pole Grounding Detail For Strain Pole and Mast Arm**

**Terminal Compartment**
- Hand Hole
- Ground Lug
- #4 or #6 Awg Solid Bare Copper Grounding Conductor (Typ.)
- Span Wire Pole Clamp (Typ.)

**Pole**
- 1" Win Nonmetallic Conduit with elbow
- 750 N. Greenfield Pkwy, Garner, NC 27529

**Cable**
- Electrical Service Cable
- Messenger Cable
- Interconnect Cable on Messenger Cable

**Attachment of Cable to Intermediate Metal Pole**

- 3-Bolt Clamp with "J" Hook
- Pole Band
- Messenger Cable

**Strandvise**
- Either 0.05" X 0.30 Aluminum Ribbon or 0.061" Stainless Steel Lashing Wire

**Terminal**
- 1" Weatherhead with Insulator (See Drawing M3)
- 2" Weatherhead with Insulator (See Drawing M3)

**Concrete Foundation**
- Pole Band
- Messenger Cable
- Interconnect Cable on Messenger Cable

**Requirements:**
- Grounding and bonding requirements, See Note 4.