**RETROFIT INSTALLATION**

Note: Clamp location shall be adjusted to compensate for reduced sag and vertical clearance to bottom of signalhead.

1/4" OvalEye Bolt

Method of Framing
Corner Strap Plates
Angles 10° to 120°

Automatic Compression Type Clamp (Feed Through Dead End)

No. 6 Copper Ground Wire Min
(4 1/4" bare pigtail)

1/2" x 20" Grounding Electrode (Copper clad)

PRESTRESSED CONCRETE POLE
NEW CONSTRUCTION

Notes:

1. With the approval of the resident engineer, the service head hole for joint use poles may be drilled by the utility company at an angle of 90° but not less than 45° to the face of the pole.

2. Lashing wire should normally be used for distances of 12" or greater.

3. All hardware for signal attachment shall be stainless steel.

4. Meet all grounding requirements of Section 620 of the Standard Specifications.

**SINGLE POINT ATTACHMENT**

Detail A or B

Baluster

Tri-Stud or Threaded Adapter

Detail A or B

Disconnected Box

Detail A

Bottom Hub

Tri-Stud

With Hardware

Detail B

Bottom Hub

1/2" NPSM Threads

Detail B

Stainless Steel Pipe

Or Schedule 40

Aluminum Pipe (T6061)

1 1/4" NPSM Threads

Detail B

Female Threaded

Tri-Stud Adapter

Detail A

Tether Clamp

Tether clamp Aluminum 310 alloy with Tri-Stud adapter and hardware.

* For long pipe hangers a wire entrance head may be substituted for balancer and the drop pipe installed above the disconnect box.
Notes:
1. With the approval of the resident engineer, the service head hole for joint use poles may be drilled by the utility company at an angle of 90° but not less than 45° to the face of the pole.
2. Lashing wire should normally be used for distances of 12’ or greater.
3. The overlapped connection of adjustable hangers shall use a minimum of 2 bolts with a minimum spacing of 2” between bolts.
4. Meet all grounding requirements of Section 620 of the Standard Specifications.