

B-1 Tie In

Mean Time: 5 minutes

Drop Dead Time: 8 minutes

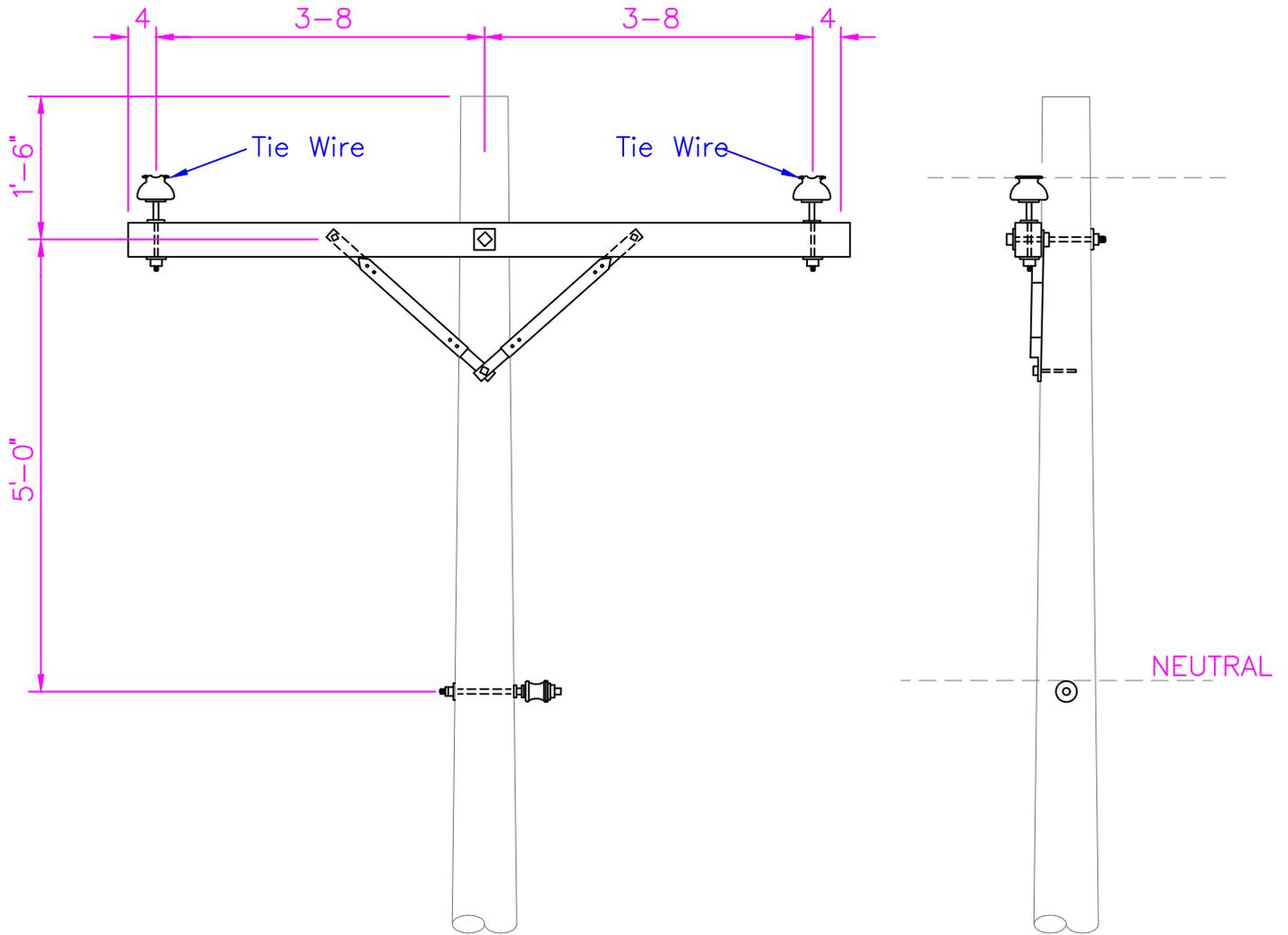
Event Summary:

The event will be a (B-1) structure on a 40ft pole. Phases will be in “Sherman Riley” block roller mounted on the 8 ft. arm with lite construction metal braces. The rollers will be located where the heavy construction bolt hole is located on the arm for a brace and neutral will already be tied in on an upset bolt. Apprentice will remove conductors from rollers and tie in each phase on porcelain insulators.

One phase, tie it on the insulator with #4 tie wire using the 1-3-2 wrap. The other phase will also be tied in with #4 tie wire using the 1-3-2 wrap. Tie wires will be precut at 7 feet 5 inches or 89 inches long, so there will be no reason to have to cut off excess tie wire in the wrap. If the tie is wrapped correctly, you should have just enough tie wire to fold the end over the last two wraps to button it off. Participants can roll the tie any way that works for them. If Apprentice needs to lift one gaff out of pole to shift body to make the tie, it will be allowed as long as Apprentice stays in control. When Apprentice finishes the last tie, he will call out “TIME”.

Judges will look over the Apprentice job. When satisfied, they will instruct the Apprentice to remove ties and drop them to the ground calling “HEADACHE” and put the conductors back in the rollers for next Apprentice. Time starts when climber gaff the pole, and judging continues until both feet are on the ground. They will be required to carry “hand line” with them as stated in General Rules. Hand line will be used if need to pull up equipment bag with material provided.

The drawing as illustrated can be found in the Linemans and Cableman handbooks. This drawing came from the 11th addition on page 22.22 of the handbook.



Notes:

- 40-4 wood pole
- 8 ft crossarm
- Steel lead head pins
- Double upset bolt on neutral

<u>DESIGN PARAMETERS:</u>	12.47 / 7.2 kV TWO PHASE CROSSARM CONSTRUCTION SINGLE SUPPORT PRIMARY (TANGENT POLE)		
	JAN 2019	12.47/7.2 KV	B1

