



URD Event
Chief Judge: Bill Ready
(Journeyman Team Event)

Mean Time: 22 minutes

Drop Dead Time: 28 minutes

Event Summary:

This event will consist of a single phase riser made up complete with the hot line clamp not attached and the cutout open. This is going to a new 25kVA padmount transformer that is partially made up except the elbow and the secondary connections. The elbow will need to be installed on the primary and secondary conductors placed onto the padmount transformer. The secondary connector must be stripped and landed in the secondary bars. The hotline clamp will need to be installed onto the stirrup which will be attached to the primary and cutout closed and the voltage checked at the transformer. After the voltage is checked, the time is stopped. After the time is stopped, the team must open the cutout, take the hotline clamp off, cut the elbow off, remove the secondary's, and put the event back like it was before starting.

Event Specifications:

1. No grounding will be required in this event.
2. A complete new elbow will be made up on #2 15kV jacketed cable and install onto a new padmount transformer per manufacturer specifications with Cooper 200 A loadbreak elbow.
3. Conductors are 4/0 Aluminum with 2/0 Neutral
4. The hotline clamp cannot be installed onto the primary until the transformer is made up complete.
5. After the hotline clamp is installed and the cut out closed, one of the team members will check voltage on the secondary side with a voltage tester not simulated.
6. After the voltage is called out the time will stop and then the teams will put the event back as it was in the beginning. The elbow will be cut off so that the judge can inspect for workmanship.
7. Teams are still being judged until the competitors leave the event.

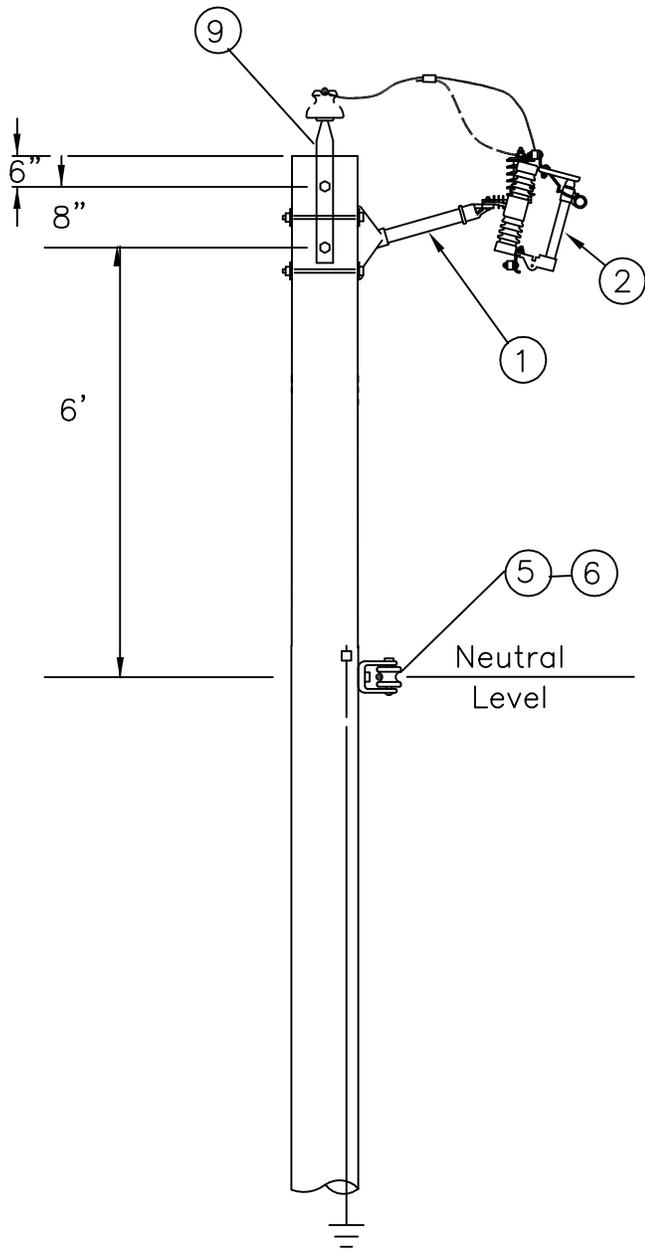
Materials

Rodeo Material List 2017

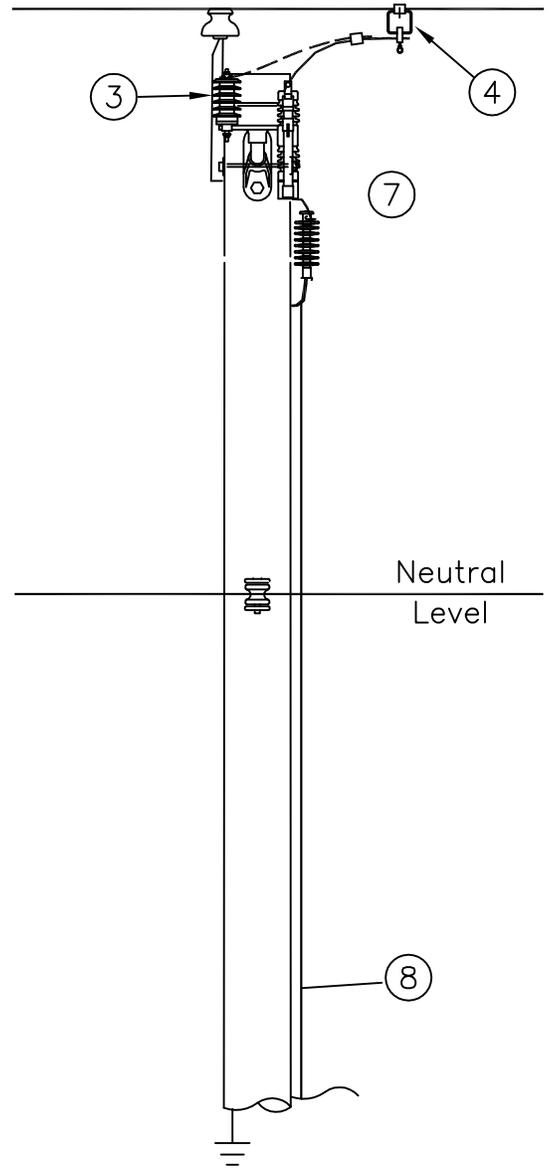
URD Event

| | |
|----------------------------------|--------------------------------|
| Clevis | Chance 0337 |
| Spool | DE455 |
| Pole Top Pin | Chance 2170 |
| Insulator | Hendrix 55-4 |
| Cutout | Chance CP710112 |
| Cutout bracket | Hubbell ISBM12CTB |
| Termination | 3M 7642-S-2 |
| Hot Line | Clamp Chance S1500 |
| Elbow | Cooper Power Systems LE215AB04 |
| Secondary Transformer Connection | Hubbell NSSN350-4I |
| Clevis | Chance 0337 |
| Spool | DE455 |
| Pole Top Pin | Chance 2170 |

SINGLE PHASE PRIMARY



ELEVATION



VIEW A-A

| ITEM | QTY. | MATERIAL | MATERIAL DETAILS |
|------|------|--------------------------|-----------------------|
| 1 | 1 | Standoff Bracket | Chance: ISBM12CTB |
| 2 | 1 | 15kV Fused Cutout | Chance CP710112 |
| 3 | 1 | Lightning Arrester | O. B. # 217608-7214 |
| 4 | 1 | Stirrup & Hot Line Clamp | Anderson # VCLS-9-022 |
| 5 | 1 | Clevis | Chance: 0337 |
| 6 | 1 | Spool | Chance: DE455 |
| 7 | 1 | Termination | 3M 7642-S-2 |
| 8 | 3 | 2" PVC Conduit | |
| 9 | 1 | Pole Top Pin | Chance: 2170 |
| 10 | 1 | Insulator | Hendrix 55-4 |
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