

REPLACE CROSS ARM STORM DAMAGE

TEAM EVENT

Mean Time: 14 minutes

Drop Dead Time: 18 minutes

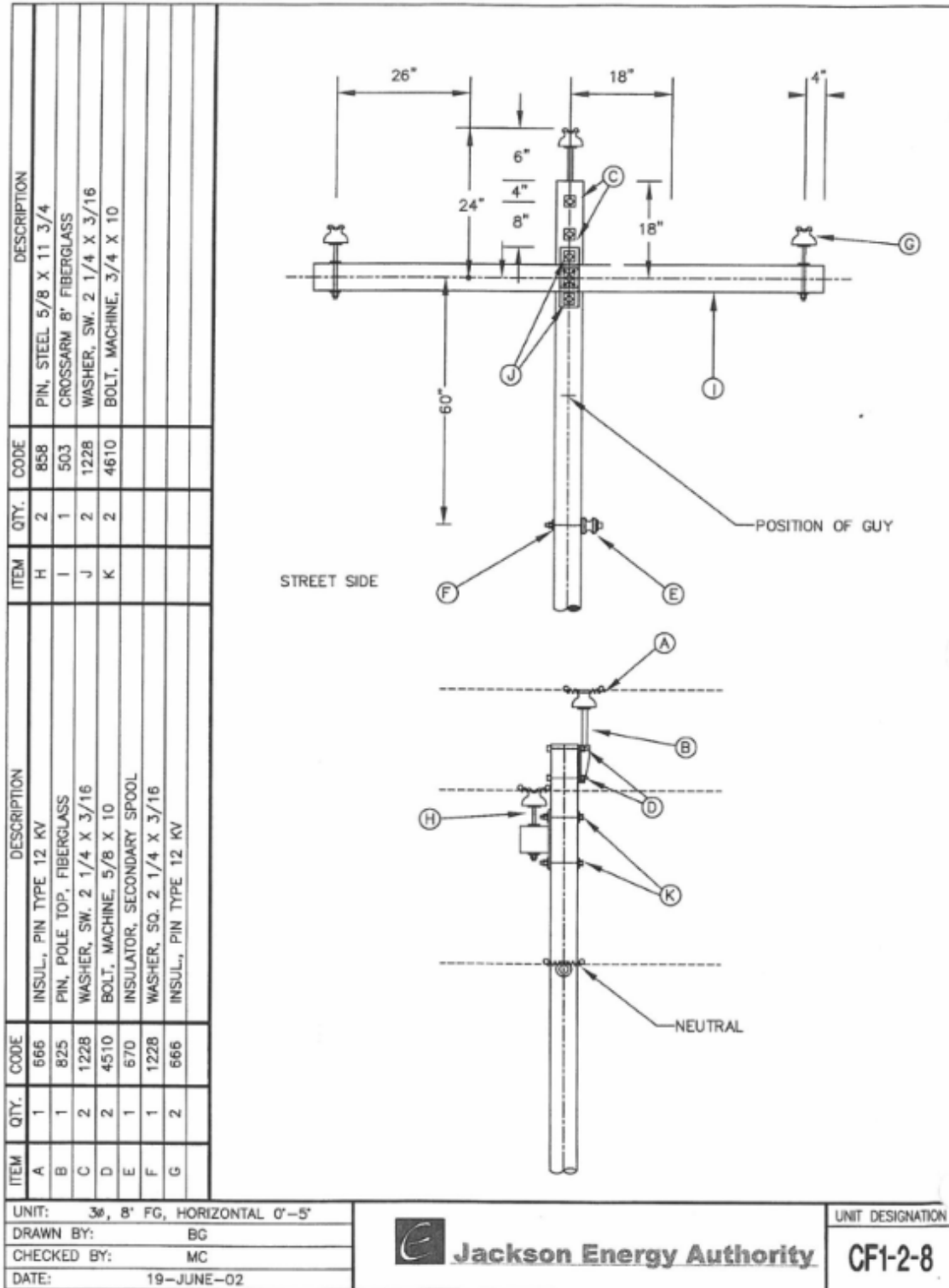
Event Objective: Is to replace a crossarm, pins and insulators that have been damage in a storm by a tree falling on them.

Event Summary: The team will start with a 40' pole with 3phase on it. The framing will be one phase tied in on a pole cap pin and a crossarm with one phase tied in on a pin and insulator. The other phase will be floating free of the cross arm with the pin and insulator still attached to it. This will represent the scenario that a tree fell and busted that end of the crossarm out. The team will start with a new crossarm, braces, pins, insulators and tie wire for 1-3-2 tie. When time starts the team will need to go up and cover up the neutral, test, brush, and ground both sides of where they are working if doing bracket grounding or they can do equipotential grounding. Once they have done this they will need to climb up and untie the one phase that is still attached to the crossarm and untie the insulator off the phase that is floating in the air. They will send this material down and then send the new material up and install it and tie the phases in with 1-3-2 tie. They will not need to address the middle phase on a pole cap pin. Both linemen will then come down below the neutral and remove their grounds and cover and one lineman will come to the ground and when their foot hits the ground time will stop. One lineman will stay at the neutral with the handline and will step back up and take the one pin and insulator out of the crossarm and float it out. The lineman will still be judged while they are doing this and this will reset the event for the next team. While the lineman is floating the phase out the other team members will be stripping the material down and having it ready for the next team.

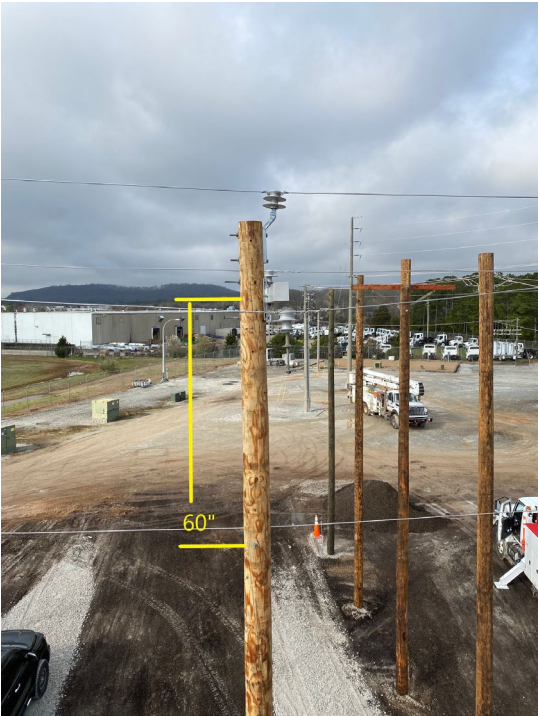
Chief Judge: Shawn Blomgren
Email: shawn.blomgren@hsvutil.org

Event Specifications:

1. Teams will have 5 minutes to set up. All tools and cover must be kept off the ground using a tarp supplied by the competitor.
2. The team will pick up two 7' #4 aluminum tie wires when they come into the event.
3. There will be a crossarm, two pin and insulators at the base of the pole when the team reaches their event.
4. When facing the pole on the neutral side the cross arm will be on the left side of the pole and the pin and insulator will be floated on the opposite side of the neutral.
5. When setting up the event sag the wire on the busted side with 3" space between the bottom of the arm and the wire. This will represent the wire being stretch from the tree falling on it.
6. You can utilize any hole on the crossarm except the one on the end which is being represented as being busted out.
7. Teams will need to check their high voltage tester before using.
8. Time starts at the judge's signal.
9. The neutral and neutral clevis will need to be covered while testing and brushing.
10. Then the team must test, brush and ground the phases. (bracket grounding or equipotential grounding will be acceptable)
11. Grounds must be installed and remove in the proper sequence.
12. The team will replace the crossarm, and the two pin and insulators on the crossarm.
13. Time stops when the first lineman foot touches the ground.
14. Judging will continue until all material is picked up and the event site is restored to the original condition.
15. Crossarm, pins and insulators must be placed back at the base of the pole when the team leaves.
16. All general rodeo rules apply.



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