



4kV Lightning Arrester Change Out

Mean Time: 8 minutes

Drop Dead: 12 minutes

Chief Judge: Richard Boley, Orlando Utilities Commission

Event Summary:

This event consists of replacing 2 bad 5kA surge arresters mounted a 10' wood cross arm with flat steel braces.

Event Specifics:

1. The conductor will be 1/0 AAAC.
2. 10' wood cross arm with steel flat braces will be used mounted 12" from the top of the pole.
3. The neutral will be 7' down from the cross arm bolt.
4. "L" brackets will be mounted 12" in from the steel pin and insulator.
5. All grounds and jumpers will be #4 soft drawn copper (there will be new 24" jumpers precut for teams to pick up when entering the event).
6. Hotline clamp and Aluminum saddles will be used, changed out, and there will be a new set at the event station.
7. The arresters will be Hubbell IEC 5kA mounted on steel L-brackets (L-brackets will not be changed out).
8. All connections must be properly brushed with an approved brush.
9. All material will be made up after the time starts and broken down before the time stops.
10. Arresters must be untapped and tapped with approved hot stick method.
11. All NESC Safe Work Practices must be followed.
12. See General Rules and Additional General Rules.
13. Teams will be allowed a five-minute setup time before starting the event.
14. Time will start when the judge signals to go.
15. Time will stop when the last climber has both feet on the ground or the team calls time due to breaking down the material.
16. Climbers must wear class II or higher rubber gloves ground to ground.
17. The neutral must be covered with rated cover.
18. The primary must be covered with rated cover.
19. M.A.D. must be maintained from all uncovered conductor.
20. All material, tools, and equipment must be sent up and down using the handline with a material bag.

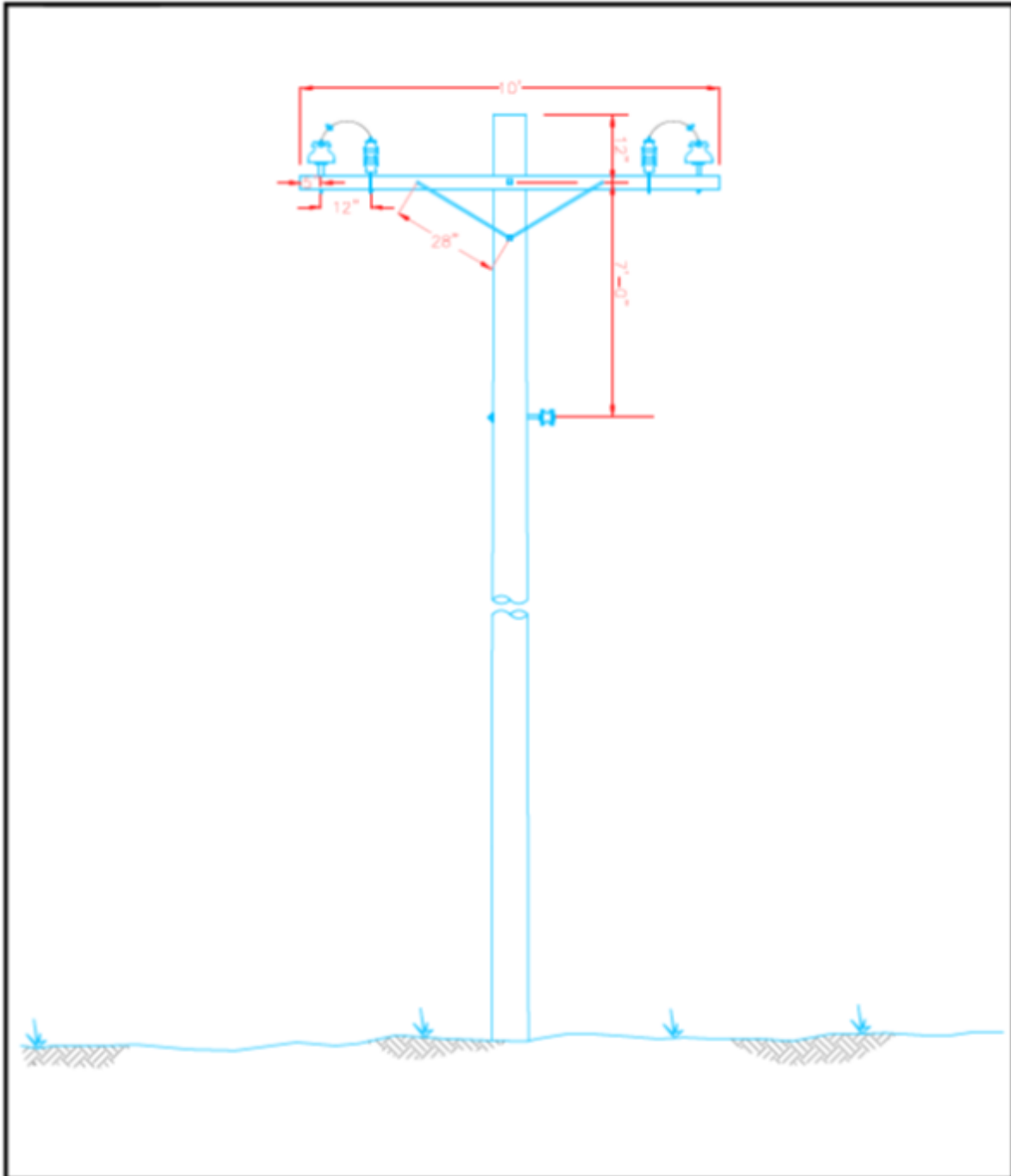
Teams will provide their own:


- Handline
- Nose bags
- Hot Sticks
- Hand tools
- Cover
- Tarp

FLORIDA LINEMAN COMPETITION



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Engineer: <u>MH</u>	SUBJECT: <u>OVERHEAD DISTRIBUTION</u>				Orlando Utilities Commission	OH103018
Drawn: <u>CG</u>	DETAIL: <u>GENERAL</u>					
Checked: <u>JA</u>	PHASE CLIP IN 8' WOODARM W/ FLATBRACES					
Approved: _____	NO.	DATE	REVISION			
Date: <u>10-30-18</u>	1					
	2					
	3					