

## **Journeyman Event – Crossarm Replacement**

Chief Judge: Jason Hucks

Event Time: 8 Minutes

Drop Dead Time: 12 Minutes

Team is required to replace an 8ft. crossarm on a simulated de-energized and grounded "3" phase structure. New crossarm, braces, insulator pins, insulators, brace bolts, preformed ties and rubber grommets will be provided and all must be replaced. The old through bolt can be re-used. The primary can be floated while the crossarm is being replaced. The old arm must be disassembled before time stops.

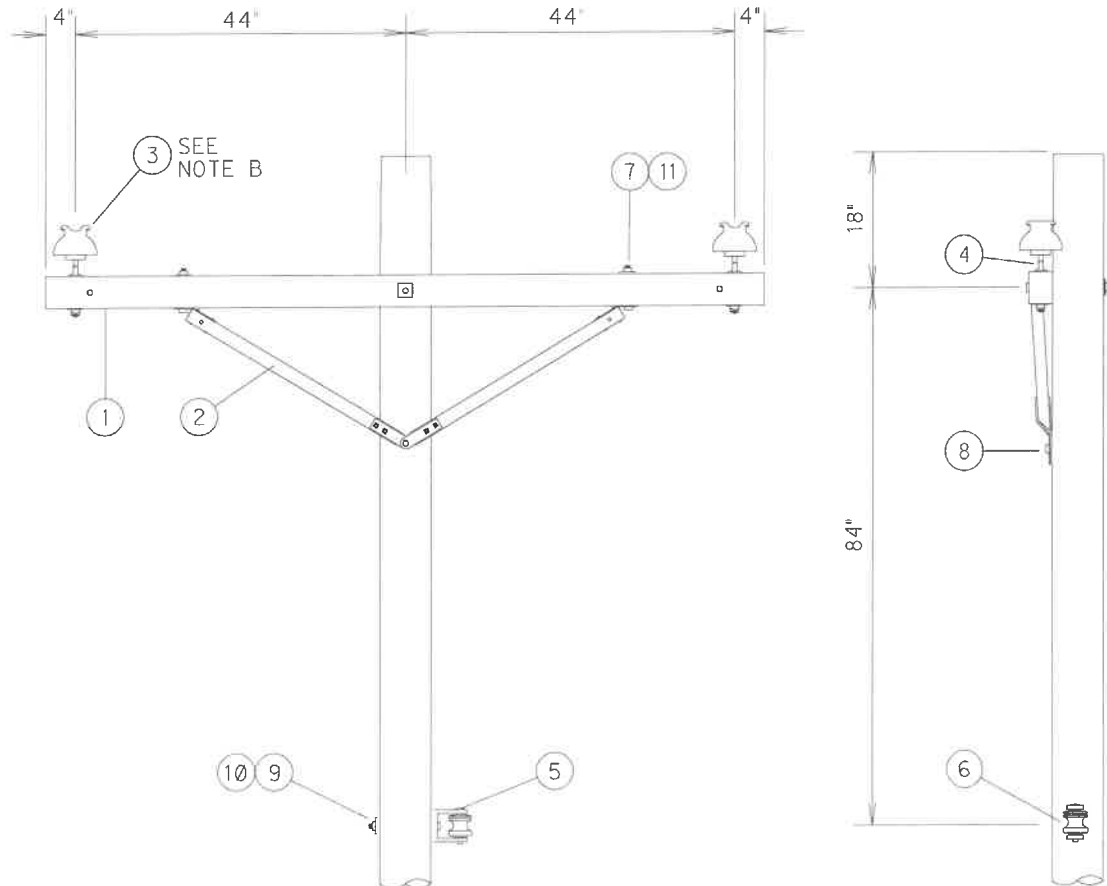
1. Time starts at the judge's signal.
  2. Teams will be allowed a 5-minute setup time. The team may direct questions to the judge at this time.
  3. Rubber gloves are not required for this event. The team must wear work gloves at all times.
  4. The new crossarm must be assembled after the event time begins.
  5. A screwdriver will be the only tool allowed for picking the old preformed ties.
  6. All tools, materials and equipment must be sent up and down using the handline with the exception of the rubber grommets.
  7. Tools and equipment must remain inside the circle.
  8. Climbers must wear gaff guards outside of the event circle.
  9. Time stops when the task has been completed, the old crossarm has been disassembled (all nuts and washers on bolts), and the last climber is on the ground.
  10. Battery powered tools will not be permitted.
  11. Judging will continue until all material is packed up and the event site is restored to the original condition.
  12. All general rules apply.
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# OVERHEAD DISTRIBUTION STANDARDS

DRAWING: TC-2V

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DATE: 7-7-03



## NOTES:

- A. GROUNDING DETAILS CAN BE FOUND IN THE GROUNDING SECTION OF THIS MANUAL.
- ▶ B. IN COASTAL AREAS USE INSULATOR #022-220125.

ITEM	QTY.	DESCRIPTION	ITEM ID NO.	ITEM	QTY.	DESCRIPTION	ITEM ID NO.					
1	1	CROSSARM, 4" X 5" X 8'	562-203119	7	2	BOLT, MCH. 1/2" x 7"	070-181436					
2	2	BRACE, WOOD CA 60"	563-209104	8	1	SCREW, LAG 1/2"X4-1/2"	070-181866					
3	2	INSULATOR, PIN TYPE	022-220134	9	2	BOLT, MCH. 5/8"X REQ'D	—————					
4	2	PIN, STEEL INS. 5/8" x 6 1/2"	072-185224	10	3	WASHER 2" SQ. 11/16" HOLE	070-181964					
5	1	CLEVIS, SEC.	071-229174	11	2	WASHER, 2" SQ. 9/16" HOLE	070-181961					
6	1	INSULATOR, SEC. SPOOL	023-225102	GROUNDING MATERIAL - SEE GROUNDING SECTION								
03	7-03	POLY INSULATOR CHG	KT	JEC	SER	SINGLE PRIMARY SUPPORT CROSSARM CONSTRUCTION TWO PHASE 7.2 / 12.47kV						
02	0-95	RM POLE FR BOM	EGD	JEC	GC							
01	9-94	REV. NOTES & BOM	PS	JEC	GC							
REV	DATE	DESCRIPTION	BY	D.ENG	D.SUP	D.ENG	JEC	BY	PBS	APVD	gc	APVD

▶ REVISION

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