



Document Title:

Wood Crossarm for Utility Poles and Structures

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Related/Referenced Documents

N/A

Version History

Version	Date	Revision Comments
01	Feb. 12, 2025	Initial release



Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
008-00342	27506	8	02/12/2025
008-00391	27507	10	02/12/2025
008-00425	27508	9	02/12/2025
095-00391	86897	1	02/12/2025



1. Introduction

This is a general specification that covers the minimum requirements for wood crossarms to be used in the electrical distribution system in Puerto Rico. Further information will be provided by LUMA Energy at the time of order placement and will provide information on site specific conditions, quantity, and other requirements. This document includes the general electrical and mechanical characteristics of the equipment/material.

2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this equipment/material to LUMA on previous orders will not have to furnish samples at bid opening. The equipment/material will be received at LUMA's general warehouse (011) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

3. Literature

- 3.1. Descriptive and technical literature must be supplied by the vendor at time of bidding. This literature must include, but is not limited to details of material, drawings, documented testing, and instructions for use and installation. **The literature must be an official document from and certified by the manufacturer.** Failure to submit documents on time and duly certified by the manufacturer will cause bidder disqualification.
- 3.2. If required by LUMA, final drawings and documentation shall be submitted by the vendor before the manufacturing and shipping process for approval.

4. Compatible with

N/A

5. Markings

- 5.1. Containers or pallets shall be marked outside with LUMA Energy's purchase order and warehouse catalog number.
- 5.2. Individual package(s) shall be clearly marked with manufacturer name and item information (part number, serial number, quantity, etc.).
- 5.3. Packaging labels and tags shall be waterproof.

6. Packaging

- 6.1. All equipment/material shall be packaged and marked in such a way as to facilitate handling and protection from damage and that the receiving warehouse can readily identify it and send it, in one complete unit, to a field location without opening crates or boxes to sort items and/or parts.
- 6.2. A list of all parts included in the container and/or package must be provided at the time of delivery so that the receiving personnel can verify that everything requested is present, avoiding any delay in the receiving process.

7. Number Per Package (Logistics)

- 7.1. Standard package: One (1) or as requested by Luma Energy.

8. Acceptance Criteria

- 8.1. Product shall be manufactured in accordance with the latest issue below (section 8.2). When conflicts occur between purchaser's specifications and the latest issue below, the purchaser's specification shall prevail.
- 8.2. Latest applicable codes, standards, and other regulations:
 - a. AWPA P9: For solvents and formulations for organic preservative systems.
 - b. AWPA U1 & T1: For wood treatment.
- 8.3. If any other standards different from the ones indicated in this document are used, the supplier must provide information showing compatibility with the required ones.

9. Description

- 9.1. Treated wood crossarm for use as utility poles and other structures.
- 9.2. Cross section for the crossarm shall be 6" x 6".
- 9.3. Length shall be as indicated in Table 1.
- 9.4. The dimensions details shall be as specified in Appendix 1.
- 9.5. Shall be at least Class 3 wood for a durability of minimum 15 years.
- 9.6. The wood crossarm shall be adequately treated to mitigate rotting due to insect and microbial agent attack. **Creosote treatment will not be accepted.**
- 9.7. Shall be Grade 1/Prime, or equivalent. The crossarm shall be straight and shall not exhibit any deformity or curvature along its length. Any notable knot shall be small and be virtually wane-free.



10. Inspection

- 10.1. Upon inspection of incoming equipment/material, the purchaser reserves the right to refuse product shipments and to determine the acceptability or rejection of the product received. The supplier shall be liable for all costs incurred for a product that is rejected.
- 10.2. The acceptance of any equipment/material shall in no way relieve the vendor from his responsibility to meet all the requirements of this specification, and it would not prevent subsequent rejection if such equipment/materials were found later to be defective.

11. Proposal Information

- 11.1. Submitted proposals must include:
 - a. Technical information, drawings, and tests.
 - b. Table of Compliance completed by the bidder with reference (see Appendix 2).

12. Table 1: Warehouse and Asset Suite Identification Number

Warehouse Catalog #	Asset Suite #	Total Dimensions (ft.)
008-00342	27506	6"x6"x20'
008-00391	27507	6"x6"x 25'
008-00425	27508	6"x6"x 30'
095-00391	86897	6"x6"x 24'

— End of Specification —



Appendix

Appendix 1: Dimensions And Drilling Requirements



WOOD CROSSARM

SPECIFICATION	
WAREHOUSE ITEM	X(ft.)
008-00342	20
008-00391	25
008-00425	30
095-00931	24



Appendix 2: Table of Compliance

Line	Description	Pass/Fail (P / F)	Comments
1	The Proponent complies specification document 4350.348.		
2	Industry Standards: AWWA P9 and U1 & T1		
3	Tech. info., drawings, and tests provided.		
4	Cross section 6" x 6".		
5	Total length as per Table 1		
6	The dimensions shall be as specified in Appendix 1.		
7	Class 3 wood for a durability of minimum 15 years.		
8	The wood crossarm shall be adequately treated to mitigate rotting due to insect and microbial agent attack. Creosote treatment will not be accepted.		
9	Grade 1/Prime, or equivalent. Straight and shall not exhibit any deformity or curvature along its length.		

NOTE: This table is only a checklist for reference. The compliance must be with the complete document. Filling out the table with "PASS" won't be accepted as a compliance without the technical information required to certify it.











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Final Audit Report

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