



Document Title:  
**Yoke Plate Rectangular 80K**

Document Type:  
**Specification**

Engineering Type  
**Material Specification**

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**4752.323**

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**Transmission Engineering**

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Guillermo Nieves (Dec 6, 2024 16:24 AST)

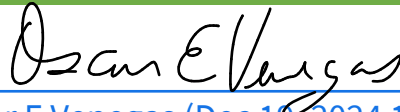
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**Related/Referenced Documents**

Version	Date	Revision Comments
00	May 30, 2023	First Issue
01	Dec 19, 2024	Changed cover page and document to new format. Modified sections 4 and 7. Added a table of compliance and Proposal Information. Equal or approved Equal changed to Compatible with and modified.

## **1. General**

### **1.1. Overview**

- 1.1.1. This is a general specification that covers the minimum requirements for a Yoke Plate Rectangular to be used in the transmission system in Puerto Rico.
- 1.1.2. Further information will be provided by LUMA Energy at the time of order placement and will provide information on site conditions, quantity, and other requirements.
- 1.1.3. This document includes the general electrical and mechanical characteristics of the material.

## **2. Specific Name**

- 2.1. Yoke Plate Rectangular 80k.

## **3. Basic Use**

- 3.1. For attaching high capacity deadend conductor support assembly on overhead transmission lines that require heavy tensions.

## **4. Specific Requirements**

- 4.1. Samples shall be furnished to LUMA.
- 4.2. LUMA requires One (1) unit properly labeled for testing and analysis.
- 4.3. Descriptive and technical literature shall be supplied to LUMA.
- 4.4. They shall be required to show evidence of LUMA's approval of the equipment.

## **5. Acceptance Criteria**

- 5.1. Latest applicable codes, standards, and other regulations: ANSI/ASTM.

## **6. Description**

- 6.1. Configuration (Shape): Delta (Rectangular)
- 6.2. Minimum Required Ultimate Strength: 80,000 lbs.
- 6.3. Material: Body – galvanized ductile iron.
- 6.4. Length: 18 inches.
- 6.5. Minimum Width: 6 inches.
- 6.6. Minimum Thickness: 3/4 inches.
- 6.7. Minimum Holes Required: 4
- 6.8. Minimum Hole Size Diameter: 15/16 inches.
- 6.9. Shall be hot-dip galvanized in accordance with ANSI/ASTM A153.

6.10. Metric conversion as per latest ASTM.

## **7. Markings and Packaging**

- 7.1. Containers/pallets or package shall be marked outside with LUMA'S purchase order number and code number.
- 7.2. Vendor shall prepare material and equipment for shipment in such manner as to facilitate handling and protection for damage.
- 7.3. All material should be packaged and marked in such a way that the receiving warehouse can readily identify and send in one (1) complete unit to a field location without opening crates or boxes to sort items and / or parts.
- 7.4. Containers or boxes shall be marked with the following information:
  - 7.4.1. Vendor
  - 7.4.2. Order Number
  - 7.4.3. Catalog Number
  - 7.4.4. Code Number
  - 7.4.5. Name and Size
  - 7.4.6. Net weight and gross weight
  - 7.4.7. Manufacturer Name and lot number
  - 7.4.8. Material Name

## **8. Compatible with**

- 8.1. MacLean Power Systems - Catalog Number Y2DR080D1800 (See drawing)
- 8.2. This model is an example of the equipment/material described in this document and do not represent a preference. LUMA will evaluate equally any model not listed here during any acquisition event.

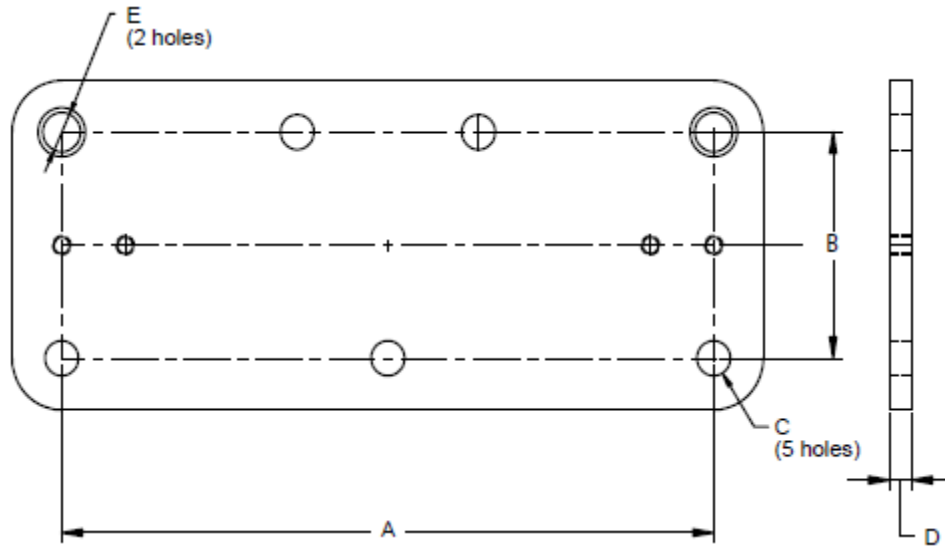
## **9. Proposal Information**

- 9.1. Submitted proposals must include:
  - a. Technical Information
  - b. Table of Compliance completed by the bidder with reference

## **10. Inspection**

- 10.1. The acceptance of any material or equipment shall in no way relieve the vendor from his responsibility to meet all the requirements of this specification, and it shall not prevent subsequent rejection if such material is found to be defective later

11. Drawings



**Table 1:** Dimensions

A	B Min.	C Min.	D	E
18"	6.25"	0.94"	0.88"	1.06"

Warehouse ID	002-84817
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— End of Specification —

## Appendix

Appendix 1. Table of Compliance

Line	Criteria	Description	Pass/Fail (P / F)	Comments
1	Specification	The Proponent complies with the corresponding specification document (4752.323)		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document (ANSI, ASTM)		
3	Material	Yoke Plate Rectangular 80k. <ul style="list-style-type: none"> <li>• Minimum Required Ultimate Strength: 80,000 lbs.</li> <li>• Material: Body – galvanized ductile iron.</li> <li>• Shall be hot-dip galvanized in accordance with ANSI/ASTM A153.</li> </ul>		
4	Dimensions	<ul style="list-style-type: none"> <li>• Complies with Table 1</li> <li>• Length: 18 inches.</li> <li>• Minimum Width: 6 inches.</li> <li>• Minimum Thickness: 3/4 inches.</li> <li>• Minimum Holes Required: 4</li> <li>• Minimum Hole Size Diameter: 15/16 inches.</li> </ul>		
5	Requirements	<ul style="list-style-type: none"> <li>• Samples shall be furnished to LUMA.</li> <li>• LUMA requires One (1) unit properly labeled for testing and analysis.</li> <li>• Descriptive and technical literature shall be supplied to LUMA.</li> <li>• They shall be required to show evidence of LUMA’s approval of the equipment.</li> </ul>		












# 4752.323 - Yoke Plate Rectangular 80K

Final Audit Report

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