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**Grating Clip**

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**Material Specifications**

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## Equipment Specification

Document No.: 4350.274

Item No.: 038-83160

Asset Suite: 83160

Originating Department: Distribution Engineering



## Grating Clip

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### 1. Introduction

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

### 2. Special Requirements

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

### 3. Quantity/Literature

Descriptive and technical literature must be supplied by vendor at time of bidding. This literature may include, but is not limited to details of material, drawings, documented testing, and instructions for use and installation. Failure to submit documents on time will cause bidder disqualification. For products described in this specification as requiring qualification, awards will be made only for such products that, prior to the time for opening of bids, had been tested and/or approved by LUMA. Evidence of PREPA's and/or LUMA Energy's approval of the equipment or material shall be supplied by vendor if requested by LUMA Energy.

### 4. Markings

- 4.1. Containers shall be marked outside with LUMA Energy purchase order and item number.
- 4.2. Packaging labels and tags shall be waterproof.

### 5. Equal or Approved Equal to

Grating Fastener, catalog number: RSSGG-1E

### 6. Packaging

All material and equipment 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.



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### 7. Number Per Package (Logistics)

One per package or as requested by LUMA Energy

### 8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. Shall comply with the latest applicable codes, standards, and other regulations.

### 9. Description

- 9.1. Stainless steel grating fastener use for fastening fiberglass grating to steel or other structural shapes.
- 9.2. Material shall be stainless steel 316.
- 9.3. The fastener shall consist of three components:
  - a. Grip jaw with a female thread form in the upper side of the jaw and toothed-shaped segment facing upward. The jaw opening shall be 13/16".
  - b. Stamped top to be placed over grating
  - c. 1/4" inch diameter threaded bolt to join grip jaw and top of the assembly. This bolt shall be sufficiently long to securely fasten the clip to a 2" deep fiberglass grating.

The grip fastener shall be supplied with the three components completely assembled.

- 9.4. The grip fastener shall not require special tools to be installed.

### 10. Inspection

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 would not prevent subsequent rejection if such materials were found later to be defective.

### 11. Proposal Information

- 11.1. Submitted proposals must include:
  - a. Technical information
  - b. Table of Compliance completed by the bidder with reference. (See Appendix 1)

— End of Specification —



**Equipment Specification**

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**Appendix**



**Equipment Specification**

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## Grating Clip

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### Appendix 1: Table of Compliance

Line	Criteria	Description	Pass/Fail (P / F)	Comments
1	Specification	The Proponent complies with the corresponding specification document (4350.274).		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document.		
3	Material	Stainless Steel 316		
4	Components	<ul style="list-style-type: none"><li>• Grip jaw with a female thread form in the upper side of the jaw and toothed-shaped segment facing upward. The jaw opening shall be 13/16".</li><li>• Stamped top to be placed over grating</li><li>• 1/4" inch diameter threaded bolt to join grip jaw and top of the assembly. This bolt shall be sufficiently long to securely fasten the clip to a 2" deep fiberglass grating.</li></ul>		
5	Tools	No special tools required.		











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Final Audit Report

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