

## 1. Scope

This specification applies to steel brackets used for below-the-hook lifting of overhead transformer banks for single pole installation using transformer cluster mounting racks

## 2. Reference Standards

Unless otherwise stated in this specification, brackets shall meet all applicable provisions of the latest revisions of the following standards:

- WAC 296-155-330** Rigging Equipment for Material Handling
- ASTM A 29** Specification for Steel Bars, Carbon and Alloy, Hot-Wrought and Cold-Finished
- ASTM A 322** Specification for Steel Bars, Alloy, Standard Grades
- ASTM A 331** Specification for Steel Bars, Alloy, Cold-Finished
- ASTM A 400** Practice for Steel bars, Selection Guide, Composition, and Mechanical Properties
- ASTM E 527** Practice for Numbering Metals and Alloys (UNS)

## 3. Material ID Number

This specification applies to the following District Material ID Number: — 1000215.

## 4. Material

Transformer lifting brackets shall be fabricated from 5/8" x 2" G41400 alloy steel bar. Brackets shall be heat treated after fabrication to a minimum yield strength of 65 ksi.

## 5. Testing

Each bracket shall be proof-tested to 125% of rated load. The manufacturer shall provide a certified test report of said proof-test.

## 6. Identification

Each bracket shall be stamped or engraved prior to heat treating with the following information:

- Max. Load = 5000 lb.
- District Assigned Serial Number
- Manufacturer Name

