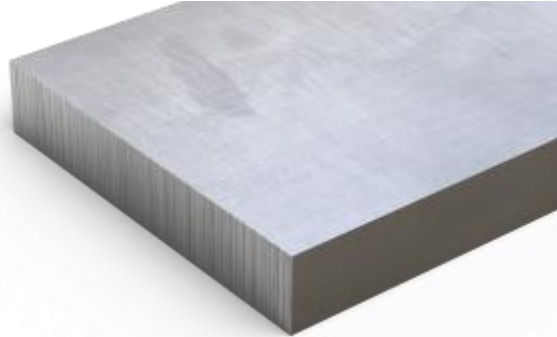


Plates, Aluminum, 6061-T651



1. Scope

This standard covers the requirements for a 6061-T651 aluminum plate.
This standard applies to Seattle City Light (SCL) Stock No. 630053.

2. Application

Aluminum plates are used to fabricate insulator plates (680874) for 8-inch Integral Web Channel Bus (IWCB) and connector plates (680860) to attach cable to the 6" x 6" or 8" x 8" IWCB.

3. Industry Standards

Plates shall meet the applicable requirements of the latest revision of the following industry standards:

ASTM B 209; Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate

ASTM B 660; Standard Practices for Packaging/Packing of Aluminum and Magnesium Products

4. Requirements

Plates shall meet the requirements of ASTM B 209 and this standard. When conflict exists, this standard shall apply.

Table 4. Plate Requirements

Alloy	6061
Temper	T651
Thickness	3/4"
Width	12"
Length	72"
Tensile Strength, minimum (ksi)	42
Yield Strength, minimum (ksi)	35

5. Packaging

Plates shall be packaged per ASTM B 660 to prevent damage during shipping, handling and inside storage.

Each plate shall be legibly marked with:

- Manufacturer name
- Alloy type
- Temper
- Thickness

Each package shall be legibly marked with:

- Plate dimensions
 - Alloy type
 - Temper
 - Gross mass
 - Net mass
 - Manufacturer name and address
 - Seattle City Light purchase order number
 - Seattle City Light stock number
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6. Shipping

Plates shall be wrapped in plastic and placed inside a cardboard box.

The box shall be placed on a pallet in horizontal position suitable for side unloading by forklift.

7. Issuance

Stock Unit: FT

8. Approved Manufacturers

Manufacturer	Part No.
Alaskan Copper	672491
Thyssenkrupp	ALFLR00120

9. References

Shetab, Muneer; SCL Standards Engineer, subject matter expert and originator of 6308.24 (muneer.shetab@seattle.gov)

Thyssenkrupp; Aluminum Stock Guide; 2017

Alaskan Copper & Brass Company; Aluminum Mill Products: Aluminum Angle, Channel, Pipe Fittings, Pipe, rod, Bar, Sheet, Plate, Coil & Tubing

SCL Material Standard 6808.60; "Connector Plate for 8 Inch IWCB"

SCL Material Standard 6808.7; "Insulator Plate for 8" x 8" IWCB"

SCL Construction Guideline NCB-60; "IWCB Installation and Mounting Parts"

SCL Stock Catalog Page 60-40; January 19, 2018

SCL Stock Catalog Page 70-30; March 23, 2005