

## 1627 - ALUMINUM SIGNING MATERIALS

### SECTION 1627

#### ALUMINUM SIGNING MATERIALS

##### 1627.1 DESCRIPTION

This specification covers aluminum alloy materials and hardware items for fabricating signs.

##### 1627.2 REQUIREMENTS

**a. General.** Provide materials that comply with the dimensions shown in the Contract Documents. Tolerances are as shown in the Contract Documents or as specified by ASTM or other referenced specifications.

Provide aluminum alloys that comply with **TABLE 1627-1**.

<b>TABLE 1627-1: ALUMINUM ALLOYS FOR SIGNS</b>		
<b>Material</b>	<b>Test Method</b>	<b>Alloy</b>
Fasteners		
Bolts and Screws	ASTM B 211	Alloys 2024-T4* or 6061-T6
Nuts, 1/4 inch tap and under	ASTM B 211	Alloy 2024-T4*
Nuts, 5/16 inch tap and over	ASTM B 211	Alloys 6061-T6 or 6262-T9
Washers, Flat	ASTM B 209	Alloy 2024 with 1230, T4 temper (Alclad 2024-T4)
Washers, Spring Lock	ASTM B 211	Alloy 7075-T6
Locknuts	ASTM B 211	Alloy 2017-T4*
Rivets, blind (Front entry, expanding)	ASTM B 316	Alloys 2017-F* or 2117-F*
Post Clips	ASTM B 108	Alloys (cast) 356.0-T6, A356.0-T61 or 356.0-F
Structural Panels	ASTM B 209	Alloy 3003-H18 or 5052-H38
Structural Panel Stiffeners	ASTM B 221	Alloy 6063-T6
Sign Blanks	ASTM B 209	Alloys 6061-T6, 6063-T6, 5154-H38 or 5052-H38
Detachable Legend for Signing	ASTM B 209	Alloy 3003-H14

\* Anodize to produce an oxide coating not less than 0.0002 inch thick and seal to decrease permeability.

##### 1627.3 TEST METHODS

As specified in the various ASTM standards referenced in **TABLE 1627-1**

##### 1627.4 PREQUALIFICATION

None Required.

##### 1627.5 BASIS OF ACCEPTANCE

Receipt and approval of a Type D certification as specified in **DIVISION 2600**.

Visual inspection at destination for condition and compliance with dimensional and other requirements.