

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**.

| TABLE 1627-1: ALUMINUM ALLOYS FOR SIGNS | | |
|--|--------------------|--|
| Material | Test Method | Alloy |
| 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.