

Revision Of Sections 509 and 708 Painting of Aluminum Access Doors for Steel Structures

Permanent Changes to Project Dated Special Provisions

Revision of Section 509 & 708 Painting of Aluminum Access Doors for Steel Structures

<u>Date</u>	<u>Author</u>	<u>Description of Change</u>
7/91	MAT LAB/MAL	<p>New special provision for aluminum access doors on box girders. Original draft from Bob LaForce. This special provision should be used with the 1991 standard specifications book.</p> <p>For aluminum doors on unpainted A588 steel, use this special provision, rewording as appropriate, and specify the desired paint color.</p>
9/29/1999	M.Nord	<p>Verified the specification references for conformance with the <i>1999 Colorado DOT Standard Specifications for Road and Bridge Construction</i>. No exceptions were found.</p> <p>Converted to Microsoft Word 97 SR-2</p>
04.11.2023	M. Kayen	<p>Revisions to make spec online accessibility-compliant. 5.22.23 Additional accessibility work.</p>

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**Revision Of Sections 509 and 708
Painting of Aluminum Access Doors for Steel Structures**

Revise Sections 509 & 708 of the Standard Specifications for this project as follows:

Subsection 509.24 shall include the following:

Aluminum access doors shall receive a solvent cleaning to remove grease, oil, etc. (SSPC-SPI) followed by a brush blast to provide a profile similar to the structural steel. The access doors shall receive one coat of primer as described in the Revision of Section 708.03.

Subsection 708.03 shall include the following:

If Alternate 1, Alkyd System, is to be used on the structural steel, the aluminum access doors shall receive one coat of vinyl wash primer conforming to Mil-P-15328. Following the application of this primer, the doors will be painted the same as the structural steel (one field coat of primer followed by the topcoat). Coating thicknesses shall be the same as specified for the structural steel.

If Alternate 2, Inorganic Zinc-Rich Polyurethane System, is used on the structural steel, the aluminum access doors shall receive one coat of vinyl wash primer conforming to Mil-P-15328. Following application of the vinyl wash primer, the same polyurethane topcoat as used on the structural steel shall be applied to the access doors (minimum 3.0 mils dry film thickness).

The manufacturer of the primer shall certify in writing, that the primer used is compatible with the cleaned aluminum access doors and the polyurethane topcoat to be used on the structural steel.