(1) Clean per FPS-3001, para. 3.1.4, and cadmium plate in accordance with FPS-1007, Grade B, Type II, Class 2 or vacuum cadmium plate per MIL-C-8837, Type II, Class 2, or coat per MIL-C-83488, Class 3, Type II, Aluminum Ion Vapor Deposition, followed by FPS-3083 glass bead peening. (Basic element 122 or 123.)

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 primer (1 coat) (Basic element 202).

Step 5 - Proper code for the complete finishing requirement, specified in D-Non-Corrosion Resistant Steel alloy is as follows:

D413 - ALLOY STEEL - (CADMIUM PLATE) PRIMER, HEAT TREAT RANGE 220-240 KSI
A) CADMIUM PLATE ALL SURFACES PER 122 OR 123.
A) PRIME ONE COAT ON AREAS SPECIFIED ON DRAWING PER 202.
A) TOUCH UP AS REQUIRED PER 307.

The area of primer omission is specified on the drawing or in a general note.

2.5 EXTERIOR SURFACES OF THE AIRPLANE - FPS-3001 contains the specification requirements for the finishing of the exterior surfaces of the airplane. Where practical, the exterior skins and areas defined as exterior surfaces of the airplane shall be finished after assembly of the aircraft. It is usually necessary to finish reverse surfaces of the exterior skins that form the interior surfaces of the airplane at the detail level.

Drawing 16N0001, Finishing of F-16 Airplanes is the top assembly drawing of all the F-16 type-version painting drawings (also referred to as 16NXXXX). Each of the type-version painting drawings designates the specific finish to be applied to the exterior surfaces of the airplane in accordance with the specification requirements of FPS-3001. A special series of codes has been provided for the designer to enter on the PL for the purpose of finishing exterior skins whose reverse surface forms the interior surface of the airplane as given in the following examples:

EXAMPLE NO. 3 - Finish Code for bare 7475-T7351 fuel boundary with exposure of one surface to fuel and the other surface having a mixture of exterior exposed surface, finished after assembly, plus an area which is covered that requires interior prime only.

Step 1 - The requirements should be Basic Exterior Finish, Para. 3.2, for the exterior surface; Special Interior Finish, Para. 3.5.2, for the fuel surface; and portions of exterior surfaces are interior non-fuel area, Para. 3.4.2(b).

Step 2 - Material of construction is bare 7475-T7351 aluminum. Para. 3.2.2 specifies that the exterior finish for aluminum alloys is as follows:

(1) Clean and surface treat per 3.1.1.

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (1 coat).

(3) MIL-C-83286 or MIL-C-85285 Urethane Coating (2 coats) with color per 3.3.3.

Para. 3.4.2(b) specifies that the interior finish for non-clad 7000-series aluminum is as follows:

(1) Clean and surface treat per 3.1.1.

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (2 coats).

Para. 3.5.2 specifies finish for fuel tank interior as follows: