



Legacy Document Finish Code Specifications

Notes:

Metal parts may have a three digit extension added to the regular 8 digit part number in the Syteline inventory system. This extension identifies "silk-screened" metalwork. The three digit extension is identical to the fourth, fifth and sixth digits of the associated silk-screen number. As silk-screen part numbers are under the 080-xxx-01 and 084-xxx-01 categories, refer to the correct drawing control number referenced under the Syteline part number record entry.

Metal parts with "-10" suffix is for welded assemblies with different metal material. Refer to assembly drawing (-04).

Drawings for metal parts have a "-00" suffix. Part numbers of parts manufactured from these drawings use the first six digits of the drawing number along with the appropriate last two digits as per this addenda, which list the code that describes the material in general terms and specifies the finish.

Consult the "-00" Control drawing for the exact material specification. The suffixes described herein do not differentiate between (for example) plain cold rolled steel and galvannealed steel, or between utility grade aluminum and 6062 aluminum.

Finish specification must be adhered to. Changes/additions/alterations to the Finish Specification must be performed as per the part number request procedure (i.e. finish changes are created/alterd, etc. like any other part number requirement) and approved by Engineering.

<u>Suffix</u>	<u>General Finish</u>	<u>Finish Specification - if applicable</u>
A1	Aluminum, Bare	no finish
A2	Aluminum, Gold Chromate Conversion	i.e. gold alodine/gold irridite
A3	Aluminum, Clear Anodize	
A4	Aluminum, Black Anodize	
A5	Aluminum, Clear Chromate Conversion	i.e. clear alodine/clear irridite
A6	Aluminum, Bronze Plated, Nickel Plated	First Bronze plated (1.5µm thickness) then Nickel plated (1µm thickness)
A8	(reserved for Al, Black Zinc Pld)	
B1	Aluminum, Painted Hybrid Gray	Tiger Drylac 459/70150 (was 449/71140) Tiger Drylac China 049/70361 (always RoHS) Cardinal GR1465-C004
B2	Aluminum, Painted Gray Leatherette	Protech HT212A4 (was H1000AT4) Textured Gray Hybrid Powder Coat (UL Recognized)
B3	Aluminum, Painted Semi-Gloss Black	Protech PS311N1 (was P1000N1) Semi-Gloss Black Polyester Powder Coat (UL Recognized)

B4	Aluminum, Painted Light Tan	Glidden Pulvature 6D106 Lite Tan TGIC Polyester Powder Coat (UL Recognized)
B5	Aluminum, Central Office White	Dupont (O'Brien) UFW563S3 Polyester Powder Coat (ROHS Compliant) Dupont China AD3000-9181536 (ROHS Compliant) TGIC Type Powder (White)
B6	Aluminum, Painted Midnight Blue	Protech P100B2 Midnight Blue Polyester Powder Coat (UL Recognized)
B7	Aluminum, Painted Platinum	Protech HS412H36 (was H1000H36) Platinum Hybrid Powder Coat (UL Recognized)
B8	Aluminum, Painted 'Teledyne' Blue	Textured Polane, Pantone #281C Blue
B9	Aluminum, Painted Textured Black	Protech ET442N2 (was E2000NT2) Textured Black Epoxy Powder Coat
BX (old B1)	Aluminum, Painted ASA61 Semi-Gloss Gray	Glidden No.5 Pulvature Gray Powder Coat (UL Recognized) Fuller Kativo IF-3164 (KUR-13255-40) Gray Polyester Powder Coat (UL Recognized) Morton Thiokol 20-7056 (U1575-17056) Powder Coat (UL Recognized) Protech PS311A13 (was P1000A13) ASA61 Gray Polyester Powder Coat (UL Recognized)

<u>Suffix</u>	<u>General Finish</u>	<u>Finish Specification - if applicable</u>
C1	Not Used	
C2	Aluminum, Painted Semi-Gloss Green	Tiger Drylac Series 49 Semi-Gloss RAL6021
C3	Aluminum, Painted White	Protech P100W14 White Polyester Powder Coat (UL Recognized)
C4	Aluminum, Painted Flat Black	Morton Thiokol 30-7001 Corvel Solar Black TGIC Polyester Powder Coat
C5	Aluminum, Painted Textured Gray	Tiger Drylac 499/71190 Fuller Kativo 3449-12B Blue-Gray Textured TGIC Polyester Powder Coat
C6	Aluminum, Painted Warm Gray	Calix #3C Warm Gray

C7	Aluminum, Painted Almond	Fuller O'Brien #PFT-500-S8 Semi-Gloss Powder Coat Tiger Drylac Series 39/15020 Almond Smooth Glossy
C8	Aluminum, Painted Exterior Gray	Cardinal - Gray Quartz Exterior p/n# T243 GR301 Polyester Powder Coat
C9	Aluminum, Painted Brown	Protech UM512M48 Polyurethane (Lucent metallic brown (smooth))
D2	Aluminum, Gold Chromate Conversion (RoHS compliant)	i.e. gold alodine/gold irridite
D3	Aluminum, Clear Anodize (RoHS compliant)	
D4	Aluminum, Black Anodize (RoHS compliant)	
D5	Aluminum, Clear Chromate Conversion (RoHS compliant)	
G1	Stainless Steel, Bare (RoHS compliant)	no finish
H1 (new)	Stainless Steel, Painted Hybrid Gray	Protech HS312 A355 Hybrid Gray
HX (old H1)	Stainless Steel, Painted ASA61 Semi-Gloss Gray	Glidden No.5 Pulvalure 115 Gray Powder Coat (UL Recognized) Fuller Kativo IF-3164 (KUR-13255-40) Gray Polyester Powder Coat (UL Recognized) Morton Thiokol 20-7056 (U1575-17056) Powder Coat (UL Recognized) Protech PS311A13 (was P1000A13) ASA61 Gray Polyester Powder Coat (UL Recognized)
J1	Not Used	
J2	Stainless Steel, Painted Semi-Gloss Green	Tiger Drylac Series 49 Semi-Gloss RAL6021
M1	Steel, Electro-Tin Plate	
N1	Steel, Bare	no finish
N2	Steel, Hot Dip Galvanized, Pre-Plated Steel	per ASTM A653; see drawing note for full spec.
N3	Steel, Electro-Galvanized, Pre-Plated Steel	per ASTM A879; see drawing note for full spec.

N4*	Steel, Zinc Plated (0.0003" thick), Bronze Chromate Conversion (not for RoHS compliant products) OR Stainless Steel 304-2B	i.e. Bronze Irridite; Zinc Plating per ASTM B633-98, Type III Yellow (Chromium 6 substance is banned)
N5*	Steel, Zinc Plated (0.0003" thick), Clear Chromate Conversion OR Stainless Steel 304-2B	No finish Clear Irridite; Zinc Plating per ASTM B633-98, Type III, Clear No finish

* Only N4 and N5 parts listed at the end of this document may use Stainless Steel 304-2B as a substitute material.

N6	Steel, Hot Tin Dipped	
N7	Steel, Cadmium Plated (obsolete)	This plating is banned
N8	Steel, Black Zinc Plated (0.0003"~0.0005" thick)	TBA
N9	Steel, Hot-Dip Galvanized, Post Fabrication	per ASTM A123
<u>Suffix</u>	<u>General Finish</u>	<u>Finish Specification - if applicable</u>
P1	Steel, Painted Hybrid Gray (RoHS compliant)	Tiger Drylac 459/70150 (was 449/71140) Tiger Drylac China 049/70361 (always RoHS) Cardinal GR1465-C004
P2	Steel, Painted Gray Leatherette	Protech HT212A4 (was H1000AT4) Textured Gray Hybrid Powder Coat (UL Recognized)
P3	Steel, Painted Semi-Gloss Black	Protech PS311N1 (was P1000N1) Semi-Gloss Black Polyester Powder Coat (UL Recognized)
P4	Steel, Painted Light Tan (for Albar/C-Cor)	Glidden Pulvature 6D106 Lite Tan TGIC Polyester Powder Coat (UL Recognized)
P5	Steel, Painted Fieldstone Tan (for TRIUMF)	Sherwin-Williams 47982 Code F2NG59 Fieldstone Tan
P6	Steel, Painted Midnight Blue	Protech P100B2 Midnight Blue Polyester Powder Coat (UL Recognized)
P7	Steel, Painted Platinum	Protech HS412H36 (was H1000H36) Platinum Hybrid Powder Coat (UL Recognized)
P8	Steel, Painted Motorola Shadow Black	Spectrum BK10 SP241 Morton Thiokol 20-7304 Polyester Powder Coat Morton Thiokol 10-7393 Epoxy Powder Coat
P9	Steel, Painted Textured Black	Protech ET442N2 (was E2000NT2) Textured Black Epoxy Powder Coat

PX (old P1)	Steel, Painted ASA61 Semi-Gloss Gray	Glidden No.5 Pulvalure 115 Gray Powder Coat (UL Recognized) Fuller Kativo IF-3164 (KUR-13255-40) Gray Polyester Powder Coat (UL Recognized) Morton Thiokol 20-7056 (U1575-17056) Powder Coat (UL Recognized) Protech PS311A13 (was P1000A13) ASA61 Gray Polyester Powder Coat (UL Recognized)
R1	Steel, Painted BTS Light Gray	Northern Telecom Specification NPS-90164 and Northern Telecom Observational Standard S-30480
R2	Steel, Painted Semi-Gloss Green	Tiger Drylac Series 49 Semi-Gloss RAL6021
R3	Steel, Painted White (Telos)	Protech P100W14 White Polyester Powder Coat (UL Recognized)
R4	Steel, Painted Flat Black	Morton Thiokol 30-7001 Corvel Solar Black TGIC Polyester Powder Coat
R5	Steel, Painted Textured Gray	Tiger Drylac 499/71190 Fuller Kativo 3449-12B Blue-Gray Textured TGIC Polyester Powder Coat
R6	Steel, Painted Electrical Gray	Protech PS211A4 (was P100A4) Electrical Gray Polyester Powder Coat (UL Recognized)
R7	Steel, Painted Almond	Fuller O'Brien #PFT-500-S8 Semi-Gloss Powder Coat Tiger Drylac Series 39/15020 Almond Smooth Glossy
R8	Steel, Painted Exterior Gray	Spectrum GY10 SP618 Cardinal - Gray Quartz Exterior p/n# T243 GR301 Polyester Powder Coat
R9	Steel, Painted Charcoal Gray	Newbridge Charcoal Gray
V1 (new)	Steel, Zinc Plated (0.0003" thick), plus Trivalent Chromium (RoHS compliant)	
V2	Steel, Hot Dip Galvanized, Pre-Plated Steel (RoHS Compliant)	per ASTM A653; see drawing note for full spec.

Suffix	General Finish	Finish Specification - if applicable
V5*	Steel, Zinc Plated (0.0003" thick), plus Clear Chromate Conversion. (RoHS compliant) OR Stainless Steel 304-2B	i.e. Clear Irridite no finish
* Only V5 parts listed at the end of this document may use Stainless Steel 304-2B as a substitute material		
V7 VX (old V1)	Steel, Electro-Tin Plated (RoHS Compliant) Steel, Zinc Plated (0.0003" thick), plus Bronze Chromate Conversion, Painted ASA61 Semi-Gloss Gray	Glidden No.5 Pulvalure 115 Gray Powder Coat (UL Recognized) Fuller Kativo IF-3164 (KUR-13255-40) Gray Polyester Powder Coat (UL Recognized) Morton Thiokol 20-7056 (U1575-17056) Powder Coat (UL Recognized) Protech PS311A13 (was P1000A13) ASA61 Gray Polyester Powder Coat (UL Recognized)
W1	Reserved	
W2	Steel, Zinc Plated (0.0003" thick), plus Bronze Chromate Conversion, Painted Semi-Gloss Green	Tiger Drylac Series 49 Semi-Gloss RAL6021
W3	Steel, Charcoal Gray (RoHS compliant)	Tiger Drylac CHINA 49/80076 Powder Coat (always RoHS)
W5	Steel, Central Office White	Dupont China AD3000-9181536 (ROHS Compliant) TGIC Type Powder (White) Dupont (O'Brien) UFW563S3 (ROHS Compliant) Polyester Powder Coat (Central Office) (for application of Pantone Cool Gray 1)
W9	Steel, Painted Brown	Protech UM512M48 Polyurethane (Lucent metallic brown (smooth))
Y1	Plastic, Bare	
10	Nomex, Lexan, Plexiglas, Kydex FR4, Tuff-R, Ayr-Foil (bubble foil), Aluminum Facer (Thermax) (for insulation material) or Welded Assembly (for mixed metal)	
11	Copper, Bare	no finish
12	Copper, Cadmium Plated (obsolete)	This plating is banned
13	Copper, Tin Plated	

14	Copper, Nickel Plated	
15	Copper, Silver Plated	
16	Brass, Bare	no finish
17	Brass, Cadmium Plated (obsolete)	This plating is banned
18	Brass, Nickel Plated	
19	RoHS compliant insulation material	
25	PETG Material (for insulation material)	
26	Glastic (RoHS compliant)	no finish
27	Formex (RoHS compliant)	no finish
29	Copper, first Nickel Plated (1µm thick), then Silver Plated (2.5µm thick)	
31	Tin, Bare	no finish
33	Brass, Silver Plated (2.5µm thick)	
39	Phosphor Bronze, Bare	no finish
43	Copper, Tin Plated (RoHS compliant)	
46	Copper, Tin Plated (RoHS Compliant)	per ASTM B545-97 Nickel barrier (2 - 5µm; 0% porosity) under Tin (5 - 10µm) (matte finish)
48	Brass, Nickel Plated (RoHS Compliant)	

Document No.: **070-024-83**

Document Date: **2018 May 11**

Revision: **D**

The following parts have been evaluated by Alpha Engineering and may be manufactured with the substitute material Stainless Steel 304-2B.

Last modified: April 13, 2018			
PART NUMBER	REV	DESCRIPTION	NOTES
611-373-N5	D	Shld,Leads,SD08,Stl,Zn Pld Clr Crmt	Added Dec 4, 2017
612-964-N5	B	Chas,Cust Intfc,Shelf,Cordex 3.1/3.6kW,S	Added Dec 4, 2017
612-966-V5	B	Brkt,Mtg,19/23",CXRF 19" 4RU Shelf,Stl,Z	Added Dec 4, 2017
613-265-N4	C	Gde,Rod,3-Pt Enclr Ltch Sys,Te16,ZnPld B	Added Dec 4, 2017
613-469-V5	G	Baffle,CXC,23" Shelf 2RU,Cordex 1.8kW,St	Added Dec 4, 2017
614-255-N5	D	Cvr,Cust Intfc,Cordex Shelf,1.8/3.6kW,St	Added Dec 4, 2017
614-852-V5	C	Brkt,Mtg,L,300A UDC + 4RU,Stl,Zn Pld	Added Dec 4, 2017
614-853-V5	B	Brkt,Mtg,R,300A UDC + 4RU,Stl,Zn Pld	Added Dec 4, 2017
614-950-N5	A	Rail,Equipment,84",Stl,Zn Pld	Added Dec 4, 2017
615-322-N5	A	Adptr,Rail,19",TeMCPA, Stl,Zn Pld	Added Dec 4, 2017
615-333-N5	A	Plate,Mtg,Din Rail,Stl,Zn Pld	Added Dec 4, 2017
615-382-N5	A	Rail,Equipment,84",Te4 3,Stl,Zn Pld	Added Dec 4, 2017
615-405-N5	A	Rail,Equipment,72",Te4 5,Stl,Zn Pld	Added Dec 4, 2017
615-506-V5	A	Rod,Linkage,Slam Latch,Stl,Zn Pld	Added Dec 4, 2017
615-507-V5	A	Rod,Actuator,Slam Latch,Stl,Zn Pld	Added Dec 4, 2017
611-337-N5	E	Cvr,Brkt,7'x28" Box Bay,Stl,Zn Pld,Clr C	Added Dec 4, 2017
613-471-V5	D	Brkt,Mtg,23" Shelf 2RU,Cordex 1.8kW,Stl,	Added Dec 4, 2017
615-489-V5	A	Brkt,Long,Mtg,Shelf,CX 1.2kW,Stl,Zn Pld	Added Dec 4, 2017
614-858-V5	F	Adptr,5RU,19" to 23" Rack,UDC,Stl,Zn Pld	Added Apr 13, 2018