Please review each section carefully and edit in line with specific project requirements and local building code. This is designed to complement and coordinate with other specification sections. **Note: Please delete all “Note to Specifier” sections after editing**.

Section numbers and titles are from *MasterFormat .*

# GENERAL

* 1. SUMMARY
		1. Section Includes:
			1. Shop-applied architectural coatings for metal.
		2. Related Sections:

**Note to Specifier:**

Please list section number and title in B below. Select from sections listed or as per your project application requirements

Division 01: Administrative, procedural, and temporary work requirements

Section \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Section 01 81 13 Sustainable Design Requirements

Section 05 12 00 Structural Steel Framing

Section 05 14 00 Structural Aluminum Framing

Section 05 31 00 Steel Decking

Section 05 33 00 Aluminum Decking

Section 05 34 00 Acoustical Metal Decking

Section 05 35 00 Raceway Decking Assemblies

Section 05 40 00 Cold-Formed Metal Framing

Section 05 51 00 Metal Stairs

Section 05 52 00 Metal Railings

Section 05 58 00 Formed Metal Fabrications

Section 05 59 00 Metal Specialties

Section 05 71 00 Decorative Metal Stairs

Section 05 73 00 Decorative Metal Railings

Section 07 42 00 Wall Panels

Section 07 44 33 Metal Faced Panels

Section 07 46 16 Aluminum Siding

Section 07 46 19 Steel Siding

Section 08 11 16 Aluminum Doors and Frames

Section 08 11 63 Metal Screen and Storm Doors and Frames

Section 08 11 66 Metal Screen Doors and Frames

Section 08 12 00 Metal Frames

Section 08 13 00 Metal Doors

Section 08 33 00 Coiling Doors and Grilles

Section 08 34 00 Special Function Doors

Section 08 40 00 Entrances, Storefronts, and Curtain Walls

Section 08 51 00 Metal Window

Section 08 61 13 Metal Roof Windows

Section 08 63 00 Metal-Framed Skylights

Section 08 90 00 Louvers and Vents

Section 09 51 33 Acoustical Metal Pan Ceilings

Section 09 54 21 Metal Pan Ceilings

Section 09 56 16 Metal Panel Textured Ceilings

Section 09 78 13 Metal Interior Wall Paneling

Section 09 96 23 Graffiti-Resistant Coatings

Section 09 97 13 Steel Coatings

Section 09 97 13.a3 Interior Steel Coatings

Section 09 97 43 Anti-microbial Coatings

* 1. REFERENCES
		1. American Architectural Manufacturers Association (AAMA):
			1. 2603 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Architectural Extrusions and Panels.
			2. 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Architectural Extrusions and Panels.
			3. 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Architectural Extrusions and Panels.
			4. 609 & 610 - Cleaning and Maintenance Guide for Architecturally Finished Aluminum
		2. ASTM D7091 - Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals
		3. ASTM D7091 - Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals
		4. AAMA CW-10-15 - Care and Handling of Architectural Aluminum from Shop to Site
		5. ISO 12944 – Corrosion Protection of Steel Structures by protective paint systems
		6. ASTM G85 Annex A5 – Dilute Electrolyte Cyclic Fog/Dry Test
		7. ASTM D2244 - Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
		8. ASTM D4214 - Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films
	2. SUBMITTALS
		1. Submittals for Review:
			1. Product Data: Manufacturer’s descriptive data and test results for specified finishes.
			2. Samples: **[2 x 3.5] [\_x\_]** inch coating samples [**showing available colors,]** **[in specified colors,]** on representative backing.
		2. Quality Control Submittals:
			1. Certificates of Compliance: Applicator’s certification that coatings applied on project components comply with referenced AAMA standards.
		3. Closeout Submittals:
			1. Maintenance Data: Provide information regarding touch-up, cleaning, and maintenance of coatings.
		4. Applicator Submittals:
			1. Registered Applicator Status: Provide IFS Registered Applicator Certificate
		5. Environmental Qualifications:
			1. Environmental Product Declarations (EPDs) for each specified finish
	3. QUALITY ASSURANCE
		1. Applicator Qualifications:
			1. Minimum **[X]** years experience in work of this section.
			2. IFS Registered Applicator: Applicator must be equipped, trained and part of the manufacturer architectural applicators program for the application of the specified coating system and also be approved to provide a warranty as specified
		2. Manufacturer’s Qualification:
			1. Coating Manufacturer must have at least **[X]** years in manufacturing shop-applied architectural grade powder coating systems for similar projects to that specified
	4. DELIVERY, STORAGE AND HANDLING
		1. Deliver, store and handle powder coating system in accordance with manufacturer’s instructions. Keep coatings in original, unopened packaging until time of application. Protect coating system to prevent contamination or damage
		2. Apply manufacturer’s standard protective coverings to finished surfaces.
		3. Deliver, store, and handle finished components in manner to prevent damage to finishes and in line with AAMA Care and Handling of Architectural Aluminum from Shop to Site.
		4. Furnish touch-up paint along with each material shipment.
	5. WARRANTIES

**Note to Specifier:**

Please contact IFS Coatings for correct warranty information. flevin@ifscoatings.com.

B. Furnish coating manufacturer’s **[10] [20]** year warranty providing coverage for color retention and chalk.

# PART 2 PRODUCTS

**Note to Specifier:**

Choose A+B or A+C; delete options that do not apply accordingly

* 1. MANUFACTURERS
		1. Manufacturer: IFS Coatings, 3601 N I35, Gainesville. TX, [www.ifscoatings.com](http://www.ifscoatings.com)
		2. No substitution
		3. Comparable powder coating products of another manufacturer approved by Architect prior to bid
	2. APPLICATION
		1. Shop applied application of the coating system by one of the following manufacturer’s Registered Applicators:
		2. Surface Pretreatment: Pretreat, using mechanical and chemical pretreatment methods according to coating manufacturer’s requirements as well as requirements as detailed in AAMA **[2603, 2604 or 2605]**
		3. Application:
			1. Apply powder coatings in accordance with manufacturer’s instructions to uniform surface free from blemishes
1. Part description:
2. Substrate: [**Aluminum] [Steel]**
3. Specification: **[AAMA 2603, 2604 or 2605]**
4. Film thickness: ASTM D7091 2 – 3.5 mil
5. Gloss: @60º
	1. SHOP-APPLIED FINISHES

**Note to Specifier:**

Select 2.3. for Aluminum substrates, 2.4 for Steel substrates; Please delete all that do not apply; Please contact IFS Coatings to ensure suitable performance of coating system selected

* + 1. Superior-Performance Organic FEVE Fluoropolymer Powder Finish: Single-coat Fluoropolymer Powder finish complying with AAMA 2605 and containing 100 percent fluorinated ethylene vinyl ether (FEVE) resin.
			1. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
			2. Color and Gloss: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from manufacturer's full range**] <**Insert color and gloss**>.

 Product code: **[FRSL 27634]**

 Color: **[medium bronze]**

 Gloss: **[insert gloss]**

 Manufacturer: **[IFS Coatings]**

 Contact: **[flevin@ifscoatings.com]**

* + 1. High-Performance Organic Super Durable Polyester Powder Finish: Single-coat Super Durable Polyester Powder finish complying with AAMA 2604 and containing super durable polyester resin.
			1. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
			2. Color and Gloss: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from manufacturer's full range**] <**Insert color and gloss**>.

 Product code: **[SRSL 27634]**

 Color: **[medium bronze]**

 Gloss: **[insert gloss**]

 Manufacturer: **[IFS Coatings]**

 Contact: [**flevin@ifscoatings.com]**

* + 1. Standard Polyester Powder Finish: Single-coat Standard Polyester Powder finish complying with AAMA 2603 and containing standard polyester resin.
			1. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
			2. Color and Gloss: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from manufacturer's full range**] <**Insert color and gloss**>.

 Product code: [**PRSL 27634]**

 Color: [**medium bronze]**

 Gloss: [**insert gloss]**

 Manufacturer: **[IFS Coatings]**

 Contact: **[flevin@ifscoatings.com**]

2.4 SHOP APPLIED COATINGS

* + 1. Superior-Performance Organic FEVE Fluoropolymer Powder Finish: Two-coat powder coating system, including [zinc rich] powder primer followed by a Fluoropolymer powder top coat complying with AAMA 2605 and containing 100 percent fluorinated ethylene vinyl ether (FEVE) resin.
			1. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
			2. Color and Gloss**: [As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from manufacturer's full range] <Insert color and gloss>.**

 Primer product code: **[ERSL 256789]**

 Color: **[grey]**

 Gloss: **[insert gloss]**

 Manufacturer: **[IFS Coatings]**

 Contact: **[flevin@ifscoatings.com]**

 Top Coat product code: **[FRSL 27634]**

 Color: **[medium bronze]**

 Gloss: **[insert gloss]**

 Manufacturer: **[IFS Coatings]**

 Contact: **[flevin@ifscoatings.com]**

* + 1. High-Performance Organic Super Durable Powder Finish: Two-coat powder coating system, including **[zinc rich]** powder primer followed by a Super Durable Polyester powder top coat complying with AAMA 2604 and containing super durable polyester resin.
			1. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
			2. Color and Gloss: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from manufacturer's full range**] <**Insert color and gloss**>.

 Primer product code: **[ERSL 256789]**

 Color: **[grey]**

 Gloss: **[insert gloss]**

 Manufacturer: **[IFS Coatings]**

 Contact: **[flevin@ifscoatings.com]**

 Top Coat product code: **[SRSL 27634]**

 Color: **[medium bronze]**

 Gloss: **[insert gloss]**

 Manufacturer: **[IFS Coatings]**

 Contact: **[flevin@ifscoatings.com]**

* + 1. Standard Polyester Powder Finish: Two-coat powder coating system, including [zinc rich] powder primer followed by a Standard Polyester powder top coat complying with AAMA 2603 and containing standard polyester resin.
			1. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
			2. Color and Gloss: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from manufacturer's full range**] <**Insert color and gloss**>.

 Primer product code: **[ERSL 256789]**

 Color: **[grey]**

 Gloss: **[insert gloss]**

 Manufacturer: **[IFS Coatings]**

 Contact: **[flevin@ifscoatings.com]**

 Top Coat product code: **[PRSL 27634]**

 Color: **[medium bronze]**

 Gloss**: [insert gloss]**

 Manufacturer: **[IFS Coatings]**

 Contact: **[flevin@ifscoatings.com]**

# PART 3 EXECUTION

 3.1 INSTALLATION

A. Refer to individual specifications sections for installation requirements and field touch-up of damaged coatings of items receiving shop-applied coatings

 3.2 PROTECTION

* + 1. Remove plastic wrap from items that received shop-applied coatings at the time of installation
	1. ADJUSTING
		1. Touch up minor scratches and abrasions in coatings in accordance with manufacturer’s instructions; replace components having damage that cannot be successfully touched up.
	2. CLEANING
1. Clean finished surfaces after installation in accordance with manufacturer’s instructions.

END OF SECTION