



**Phase 2 – Renovations for:  
Aerospace, Biomedical, Genomics and Culinary Academies  
Newington High School  
Newington, Connecticut**

**Addendum # 02  
09-23-2016**

**CLARIFICATIONS**

1. Please refer to attached DOOR HARDWARE SETS. Specification section 08710 (11 pages).
  - a. Coordinate the hinge and lock locations of the hollow metal doors and frames previously installed in Phase 1 of this project. There will be new hollow metal frames installed adjacent to frames recently installed in phase One.
  - b. The veneers used in Phase One are plain sliced red oak with a factory applied clear coat finish.
2. There are no liquidated damages.
3. ACOUSTICAL WOOD CEILINGS – In areas with suspended ceiling types, AWC1 and AWC2 (Acoustical Wood Ceilings) the color of the ceiling grid shall be BLACK.
4. Structural Clarifications below:
  - A.) On Dwg. S-2, under "New Opening/Lintel Installation Procedure:"
    - 1.) Item #2, change C15x40 to C15x33.9
    - 2.) Item #4, change "Install five new HSS 6 x 6 x 3/8 ....." to "Install two new HSS 5 x 5 x 5/16 .....".
    - 3.) Item #7, change "..... 18" x 1/4" plate ....." to "..... 15" x 1/4" plate ....." .
  - B.) On Dwg. S-3, on Section R1/S-3, change "Bottom of Cont. C15" to "Top of Cont. C15".
5. Please refer to attached HIGH-PERFORMANCE COATINGS. Specification section 099600 (5 pages).



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SECTION 08710 – Finish Hardware

**1.1 Butt Hinges:**

Substitutions or Alternates not permitted unless noted below.

Acceptable manufacturers and respective catalog numbers:

<u>McKinney</u>	<u>Stanley</u>	<u>Hager</u>
1) TA2714*	FBB179	BB1279
2) TA2314*	FBB191	BB1191
3) T4A3786*	FBB168	BB1168
4) T4A3386*	FBB199	BB1199

Product notes and applications:

- All outswinging lockable doors shall have NRP hinges.
- Width of hinges shall be sufficient to clear trim and wall conditions as shown on the drawings.
- Size: 4 ½” x 4 ½” for all doors. Standard weight for all doors except use heavyweight at all high frequency doors and all doors over 36” in width.
- \*Electric Hinges: Provide sufficient number of concealed wires to accommodate electric function of specified hardware. Locate electric hinge at center location. Provide McKinney MG-16 mortar guard for each electric hinge specified. Provide ElectroLynx standardized plug in connectors to accommodate up to twelve wires.

**1.2 Continuous Hinges:**

Acceptable manufacturers and respective catalog numbers:

<u>McKinney</u>	<u>Select</u>	<u>Pemko</u>
1) MCK-12HD	SL-11HD	FM SLFHD
2) MCK-25HD	SL-24HD	FM HD

**1.3 Flush Bolts:**

Acceptable manufacturers and respective catalog numbers:

Rockwood\*

- 1) 555 Manual Flush Bolts
- 2) 570 Dust Proof Strike

\*Equivalent products by BBW and Trimco acceptable.

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Product notes and applications:

- Manual or automatic flush bolts as necessary for code compliance. Install with dust proof strike.
- Provide extended top rod for oversized doors when using manual flush bolts.

**1.4 Locks and Latches:**

Mortise Deadbolt Locks:

Acceptable manufacturers and respective catalog numbers:

Corbin Russwin

- 1) DL 4000 Series (No substitution)

Cylindrical Locks:

Acceptable manufacturers and respective catalog numbers:

Corbin Russwin

- 1) CL3300 x NZD (NO SUBSTITUTION)

**1.5 Cylinders and Keying:**

Exterior Doors:

Acceptable manufacturer and respective catalog numbers:

- 1) Corbin Russwin Pyramid Interchangeable Core System (NO SUBSTITUTION)

Interior Doors:

Acceptable manufacturers:

- 1) Corbin Russwin Pyramid Core System (NO SUBSTITUTION)

Product notes and applications:

- All cylinders and keying shall be keyed to the existing Corbin Russwin Pyramid grand master key system.
- All keying requirements to be coordinated and completed at factory to protect the integrity of the system. Field keying will not be permitted and will be considered as just cause for rejection of supplier.

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- Cylinders must be an integral part of the locks as manufactured by specified lock supplier. Substitution of foreign made cylinders or components will not be allowed and also will be cause for rejection of supplier.

- Keys will be furnished as follows:

- |                       |                        |
|-----------------------|------------------------|
| 1) Change Keys:       | (3) each per cylinder. |
| 2) Master Keys:       | (10) each section.     |
| 3) Grand Master Keys: | (10) each.             |

**1.6 Exit Devices:**

Acceptable manufacturers and respective catalog numbers:

Corbin Russwin

- 1) ED5000 series x NZD lever trim (where shown)  
(NO SUBSTITUTION)

**1.7 Removable Mullions:**

Acceptable manufacturers and respective catalog numbers:

Corbin Russwin

- 1) 907BKM

**1.8 Push/Pulls:**

Acceptable manufacturers and respective catalog numbers:

Rockwood\*

- 1) 70 series push plates
- 2) BF 111 door pulls
- 3) #90 cylinder pulls

\*Equivalent products by BBW and Trimco acceptable.

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**1.9 Door Closers:**

Acceptable manufacturers and respective catalog numbers:

Corbin Russwin

- 1) DC 6000 series (NO SUBSTITUTION)

Product notes and applications:

- Closers shall have non-ferrous covers, heavy duty forged steel arms, and separate valves for adjusting backcheck, delayed action, closing and latching cycles and adjustable spring to provide sizes 1 through 6.
- Provide non-sized closers, adjustable to meet maximum opening force requirements of ADA.
- Provide drop plates, brackets, or adapters for arms as required to suit details.
- Mount closers on room side of corridor doors and inside of exterior doors. Where possible install closers on door for optimum aesthetics.
- Provide forged heavy duty parallel arms. Non-hold open types.
- Exterior doors to have UNI arms.

**1.10 Protection Plates:**

Acceptable manufacturers and respective catalog numbers:

Rockwood\*

- 1) KP1050 x .050 kick and mop plates
  - 2) One-sided angle armor plates KB 1150
- \*Equivalent products by BBW and Trimco acceptable.

Product notes and applications:

- Size: Kick plates 8" high, Mop plates 6" high, Armor plates 42" high
- Width: 2" less door width (LDW) at single doors when mounted on push side. 1" LDW at pairs and when mounted on pull side.
- Material: Stainless steel 0.050" thick with countersunk holes, beveled four edges (B4E).

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**1.11 Overhead Stops / Holders:**

Acceptable manufacturers and respective catalog numbers:

<u>Rockwood</u>	<u>Rixson</u>	<u>Glynn Johnson</u>
OH200	5 series	410 series

Product notes and applications:

- Install overhead stops where conditions limit the use of wall stops and floor stops would be a tripping hazard.
- Use special template closers to allow offset arms for surface applied stops.

**1.12 Wall and Floor Stops:**

Acceptable manufacturers and respective catalog numbers:

Rockwood\*

1) WS series Wall stop 400 series Cast wall bumper

\*Equivalent products by BBW and Trimco acceptable.

**1.13 Key Cabinet:**

Acceptable manufacturers and respective catalog numbers:

<u>Telkee</u>	<u>Lund</u>
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Product notes and applications:

- Provide wall mounted key cabinet with one hook for each lock or cylinder plus an additional 50 percent expansion.
- Key cabinet to be set up and indexed ready for owners use.

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**PART 2 – FINISHES AND BASE MATERIALS:**

- A. **BASE METALS:** Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18 for finishes.
- B. **FINISHES: Verify requirements for individual projects**
1. Standard: Comply with BHMA A156.18
  2. BHMA Designations: Comply with base material and finish requirements indicated by the following:
    - a. BHMA 600 (USP): Primed for painting, over steel base metal.
    - b. BHMA 626 (US26D): Satin chromium plated over nickel, over brass or bronze base metal.
    - c. BHMA 628 (US28): Satin aluminum, clear anodized, over aluminum base metal.
    - d. BHMA 630 (US32D): Satin stainless steel, over stainless steel base metal.
    - e. BHMA 652 (US26D): Satin chromium plated over nickel, over steel base metal.
    - f. BHMA 689 (ALUM): Aluminum painted, over any base metal.

**PART 3 - HARDWARE SETS:**

**Hardware Set No. 1**

**Doors – 02A, 18, 20, and 21**

Each opening to receive:

3 Hinges	TA2714 4 ½ x 4 ½ NRP	26D MCK
1 Classroom Intruder lockset	CL3352 NZD x PS	626 C/R
1 Door Closer	DC6210 x A3 x M71	689 C/R
1 Cast Wall bumper	401 (@Drs. 02A, 18, 20)	26D ROC
1 Kick plate	K1050 8"x34"x B4E x CSK	32D ROC
3 Door silencers	608	GRAY ROC

**Hardware Set No. 2**

**Door 02B**

3 Hinges	TA2714 4 ½ x 4 ½ NRP	26D MCK
*1 Mortise deadlock	DL4111 x PS	626 C/R
Mount centerline of cylinder @ 48" AFF		
1 Cylinder pull	90	26D ROC
1 Conc. O.H. door stop	OH205S- 90°	32D ROC
3 Door silencers	608	GRAY ROC

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Hardware Set No. 3

**Doors 03, 28**

Each opening to receive:

3 Hinges	TA2714 4 ½ x 4 ½ NRP	26D MCK
1 Storeroom lockset	CL3357 NZD x M21 x PS	626 C/R
3 Door silencers	608	GRAY ROC

Hardware Set No. 4

**Door 04**

3 Hvy. Wt. Hinges	T4A3786 5 x 4 ½ NRP	26D MCK
1 Classroom lockset	CL3355 NZD x PS	626 C/R
*1 Conc. O.H. door stop	OH205M - 90°	32D ROC
*(modify to friction function in field)		
1 One-sided angle armor plate	KB1150 34" x 47" x B4E x CSK	32D ROC
3 Door silencers	608	GRAY ROC

Hardware Set No. 5

**Doors 05**

6 Hinges	TA2714 4 ½ x 4 ½ NRP	26D MCK
*1 Classroom deadlock	DL4117 x PS (RHRB leaf)	626 C/R
*Mount centerline of cylinder @48" AFF		
2 Single dummy trims	CL3150 NZD	626 C/R
2 Conc. O.H. stops	OH203S	32D ROC
2 Flush bolts	555	26D ROC
1 Dust-proof strike	570	26D ROC
1 H.D. Dbl Magnetic Catch	901	ALM ROC
2 Door silencers	608	GRAY ROC

Hardware Set No. 6

**Doors 06A, 029**

Each opening to receive:

3 Hinges	TA2714 4 ½ x 4 ½ NRP	26D MCK
1 Office lockset	CL3361 NZD x PS	626 C/R
1 Conc. O.H. door stop	OH203S - 90°	32D ROC
3 Door silencers	608	GRAY ROC

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**Hardware Set No. 7**

**Single Door 06B**

3 Hinges	TA2714 4 ½ x 4 ½ NRP	26D MCK
*1 Deadlock	DL4111 x PS	626 C/R
	*Mount centerline of cylinder @48" AFF	
1 Cylinder pull	#90	26D ROC
1 Conc. O.H. door stop	OH203S - 90°	32D ROC
3 Door silencers	608	GRAY ROC

**Hardware Set No. 8**

**Single Door 08**

3 Hinges	TA2714 4 ½ x 4 ½ NRP	26D MCK
1 Storeroom lockset	CL3357 NZD x PS	626 C/R
*1 Conc. O.H. door stop	203S - 90°	32D ROC
	*Mount centerline of cylinder @48" AFF	
1 Mop plate	K1050 4" x 34" x B4E x CSK	32D ROC
3 Door silencers	608	GRAY ROC

**Hardware Set No. 9**

**Pair Doors 09**

6 Hvy. Wt. Hinges	T4A3786 4 ½ x 4 ½ NRP	26D MCK
*1 Classroom deadlock	DL4117 x PS	626 C/R
	*Mount centerline of cylinder @48" AFF on the RH leaf/event ctr. 011 side	
2 Push plates	70E (Mnt. on push side of ea. Leaf)	32D ROC
2 Flush bolts	555	26D ROC
1 Dust-proof strike	570	26D ROC
*1 Door closer	DC6210 x A4 x M71	689 C/R
	*Mnt. on culinary 002 side of RH leaf	
*1 Door closer	DC6200 x A10 x M71	689 C/R
	*Mnt. on pull side of culinary 002 LHRB leaf	
2 1-sided Angle armor plates	KB1150 42" x 34" X B4E x CSK	32D ROC
2 Door silencers	608	GRAY ROC
1 Wall bumper	401 (LHRB leaf on Passage 009 side)	26D ROC

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**Hardware Set No. 10**

**Pair Doors 10A**

2 Full-Mort. Cont. Hinges	CFM83 – HD – 1	CLEAR PEM
1 Key-Rem. Mullion	907 BKM x 84"	USP C/R
1 High-Sec. Mort. Cyl.	1027 – 114 – A62 (for Rem. Mullion)	626 C/R
1 Cyl. Collar	447F43 (for Rem. Mullion)	626 C/R
1 Exit device	ED5200 x K157 x M52 x W048 x PCS (RHRB leaf)	630 C/R
1 Exit device	ED5200 (exit only) x M52 x W048 x PCS (LHRB leaf)	630 C/R
2 Straight door pulls	BF111 x Type 12 Mntg.	32D ROC
2 Door closers	ED6210 x A11 x M71	689 C/R

\*Note: Meeting stile gasketing, perimeter weather stripping and threshold to be furnished by the aluminum door supplier.

**Hardware Set No. 11**

**Pair Doors 10B**

2 Full-mort. Cont. hinges	CFM83 – HD – 1	CLEAR PEM
2 Dummy touch bars	ED5200DB x W048	630 C/R
2 Straight door pulls	BF111 x Type 12 Mntg.	32D ROC
2 Door closers	ED6210 x A11 x M71	689 C/R

\*Note: Meeting stile gasketing, perimeter weather stripping and threshold to be furnished by the aluminum door supplier.

**Hardware Set No. 12**

**Pair Doors 11**

6 Swing-Clear hinges	TA2895 – 4 ½" x NRP	26D MCK
1 UL Key-removable mullion	907BKM x 84" x PS	USP C/R
2 Security classroom exit dev.	ED5202A x N955 x PCS	630 C/R
2 Door closers	DC6210 x A4 x M71	689 C/R
2 Cast wall bumpers	401	26D ROC
2 Door silencers	608	GRAY ROC

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**Hardware Set No. 13**

**Doors 12, 14**

Each opening to receive:

3 Hinges	TA2714 4 ½ x 4 ½	26D MCK
1 Passage set	CL3310 NZD	626 C/R
1 Conc. O.H. door stop	OH202S - 90°	32D ROC
3 Door silencers	608	GRAY ROC

**Hardware Set No. 14**

**Doors 13, 15, 25**

Each opening to receive:

3 Hinges	TA2714 4 ½ x 4 ½	26D MCK
1 Privacy set	CL3320 NZD	626 C/R
1 Door closer	DC6200 x A10 x M71	689 C/R
1 Cast wall bumper	404	26D ROC
1 Kick plate	K1050 16" x 34" x B4E x CSK	32D ROC
1 Mop plate	K1050 16" x 35" x B4E x CSK	32D ROC
3 Door silencers	608	GRAY ROC

**Hardware Set No. 15**

**Doors 16, 19**

Each opening to receive:

3 Hinges	TA2714 4 ½ x 4 ½	26D MCK
1 Storeroom lockset	CL3357 NZD x PS	626 C/R
1 Cast wall bumper	402	26D ROC
3 Door silencers	608	GRAY ROC

**Hardware Set No. 16**

**Doors 22, 24, 26**

Each opening to receive:

3 Hinges	TA2714 4 ½ x 4 ½	26D MCK
1 Classroom lockset	CL3355 NZD x PS	626 C/R
1 Cast wall bumper	401	26D ROC
3 Door silencers	608	GRAY ROC

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Hardware Set No. 17

**Door 23**

3 Hinges	TA2714 4 ½ x 4½ NRP	26D MCK
1 Storeroom lockset	CL3357 NZD x M21 x PS	626 C/R
1 Cast wall bumper	401	26D ROC
3 Door silencers	608	GRAY ROC

Hardware Set No. 18

**Door 31**

3 Hinges	TA2714 4 ½ x 4 ½	26D MCK
1 Passage set	CL3310 NZD	626 C/R
1 Conc. O.H. stop	OH203S - 90°	32D ROC
3 Door silencers	608	GRAY ROC

**End of Schedule**



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SECTION 099600 – HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Each Contractor, Subcontractor and/or supplier providing goods or services referenced in or related to this Section shall also be bound by the Documents identified in Division 01 Section “Summary”, Paragraph 1.1A, entitled “Related Documents.”

1.2 SUMMARY

- A. This Section includes surface preparation and application of high-performance coating systems on the following substrates:

1. Exterior Substrates:
  - a. Steel, including canopy, metal deck, and photovoltaic supporting structural steel.

- B. Related Sections include the following:

1. Division 05 Section “Structural Steel” for surface preparation and shop priming structural steel to be field finished by this Section.
2. Division 05 Section “Metal Deck” for metal decking to be field finished by this Section.
3. Division 09 Section “Painting” for general field painting.
4. Division 09 Section “Multicolor Interior Finishing” for specialty paint coatings.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.

1. Certification by the manufacturer that products supplied comply with the State of Connecticut Ozone Transportation Commission (OTC) regulations controlling use of volatile organic compounds (VOCs).

- B. **NOTE: LEED NOT REQUIRED.** LEED Submittals: Comply with Division 01 Section “Sustainable Design Requirements” and provide the following in addition to other action submittals:

1. Product Certificates for Credit MR 5: For products and materials required to comply with requirements for regional materials indicating location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include statement indicating cost for each regional material and the fraction by weight that is considered regional.
2. Product Data for Credit IEQ 4: Documentation including printed statement of VOC content. C.

Samples for Initial Selection: For each type of finish-coat product indicated.

- D. Samples for Verification: For each type of coating system and in each color and gloss of finish coat indicated.

1. Step coats on Samples to show each coat required for system.

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2. Label each coat of each Sample.
  3. Label each Sample for location and application area.
  4. Submit samples on the following substrates for Architect's review of color and texture:
    - a. Ferrous and Nonferrous Metal: Provide two 4-inch- square samples of flat metal and two 8inch- long samples of solid metal for each color and finish.
- E. Product List: For each product indicated. Cross-reference products to coating system and locations of application areas. Use same designations indicated on Drawings and in schedules.

**1.4 QUALITY ASSURANCE**

- A. Applicator Qualifications: Engage an experienced applicator who has completed high-performance coating system applications similar in material and extent to those indicated for Project and whose work has a record of successful in-service performance.
- B. Mockups: Apply benchmark samples of each coating system indicated to verify preliminary selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
1. Architect will select one surface to represent surfaces and conditions for application of each type of coating and substrate.
  2. Apply benchmark samples after permanent lighting and other environmental services have been activated.
  3. Final approval of color selections will be based on benchmark samples.
    - a. If preliminary color selections are not approved, apply additional benchmark samples of additional colors selected by Architect at no added cost to Owner.

**1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label with the following information:
1. Name or title of material.
  2. Product description (generic classification or binder type).
  3. Manufacturer's stock number and date of manufacture.
  4. Contents by volume, for pigment and vehicle constituents.
  5. Thinning instructions.
  6. Application instructions.
  7. Color name and number.
  8. Handling instructions and precautions.
- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 60° F. Maintain containers used in storage in a clean condition, free of foreign materials and residue.
1. Protect materials from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and applying coatings.
  2. Maintain containers in clean condition, free of foreign materials and residue.

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3. Remove rags and waste from storage areas daily.

1.6 PROJECT CONDITIONS

- A. Apply coatings only when temperature of surfaces to be coated and surrounding air temperatures are between 50 and 95 deg F.
- B. Do not apply coatings in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

1.7 EXTRA MATERIALS

- A. Furnish extra materials described below that are from same production run (batch mix) as materials applied and that are packaged for storage and identified with labels describing contents.

1. Quantity: Furnish an additional 5 percent, but not less than 1 gallon of each material and color applied.

PART 2 - PRODUCTS

2.1 HIGH-PERFORMANCE COATINGS, GENERAL

- A. Material Compatibility:

1. Provide materials for use within each coating system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. Provide products of same manufacturer for each coat in a coating system.

- B. VOC Content: Products shall comply with VOC content regulations of the Ozone Transportation Commission (OTC) effective in the State of Connecticut and, for interior paints and coatings applied at Project site, the following VOC limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

1. Nonflat Paints and Coatings: VOC content of not more than 150 g/L.

2.2 EXTERIOR POLYURETHANE COATINGS

- A. Provide the following system by **Tnemec Company**:

1. Structural Steel (Canopy, Photovoltaic Exterior Support Framing):

- a. Surface Preparation: SSPC-SP6 Commercial Blast
- b. Coat 1: Tnemec Series 94 HydroZinc at 2.5-3.5 mils DFT (shop applied)
- c. Coat 2: Tnemec Series L69 Epoxoline at 4-6 mils DFT
- d. Coat 3: Tnemec Series 750 UVX at 2-3 mils DFT

2. Decking (Canopy):

- a. Coat 1: Supplied by Epic Deck. Natacoat / Tnemec Series 161 (shop applied primer)

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- b. Coat 2: Tnemec Series L69 Epoxoline at 4-6 mils DFT
- c. Coat 3: Tnemec Series 750 UVX at 2-3 mils DFT

B. Colors: As selected by Architect from manufacturer's full range.

**PART 3 - EXECUTION**

**3.1 EXAMINATION**

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.

- 1. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- 2. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.
- 3. Coating application indicates acceptance of surfaces and conditions.

**3.2 PREPARATION**

A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.

B. Remove plates, machined surfaces, and similar items already in place that are not to be coated. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and coating.

- 1. After completing coating operations, reinstall items that were removed; use workers skilled in the trades involved.

C. Clean substrates of substances that could impair bond of coatings, including dirt, oil, grease, and incompatible paints and encapsulants.

- 1. Remove incompatible primers and reprime substrate with compatible primers as required to produce coating systems indicated.

D. Surface Preparation: Full abrasive blast cleaning per SSPC-SP6 Commercial Blast. Abrasive blast cleaned surfaces shall exhibit a uniform, angular profile of 1.0 – 2.0 mils. Cleaned surfaces shall be primed within 8 hours of cleaning and prior to any surface rusting.

**3.3 APPLICATION**

A. Apply high-performance coatings according to manufacturer's written instructions.

- 1. Use applicators and techniques suited for coating and substrate indicated.
- 2. Coat surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, coat surfaces behind permanently fixed equipment or furniture with prime coat only.
- 3. Coat back sides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.

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- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of the same material are to be applied. Tint undercoats to match color of finish coat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through final coat, apply additional coats until cured film has a uniform coating finish, color, and appearance.
- D. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Produce sharp glass lines and color breaks.

3.4 FIELD QUALITY CONTROL

- A. Owner reserves the right to invoke the following procedure at any time and as often as Owner deems necessary during the period when coatings are being applied:
  - 1. Owner may engage the services of a qualified testing agency to sample coating material being used. Samples of material delivered to Project site will be taken, identified, sealed, and certified in presence of Contractor.
  - 2. Testing agency will perform tests for compliance with specified requirements.
  - 3. Owner may direct Contractor to stop applying coatings if test results show materials being used do not comply with specified requirements. Contractor shall remove noncomplying coating materials from Project site, pay for testing, and recoat surfaces coated with rejected materials. Contractor will be required to remove rejected materials from previously coated surfaces if, on recoating with complying materials, the two coatings are incompatible.

3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from coating operation. Correct damage by cleaning, repairing, replacing, and recoating, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

END OF SECTION 099600



**END OF ADDENDUM #02 and ATTACHMENTS**

