

# **ADDENDUM NO. 1**

Date: January 21, 2021

PROJECT:	Buchanan CTE Classroom Bldg	CED ARCIN
DISTRICT	CLOVIS UNIFIED SCHOOL DISTRICT	LE GREYS. BERROCE
PROJECT LOCATION:	1560 N. MINNEWAWA AVE	<b>★</b> C 32578 ★
	CLOVIS, CA 93619	10-31-21 RENEWAL DATE
DSA APP. NO.:	02-118528	EOF CALIFO
FILE. NO.:	19-36	

JEFFREY S. BERRIOS

**Project Architect** 

This Addendum forms a part of the Contract Documents. It modifies the original Project Manual and Drawings, as well as any Addendum previously issued, as noted below. Bidders are required to acknowledge receipt of this Addendum in the space provided in the proposal form. Failure to acknowledge receipt of each addendum may subject bidder to disqualification.

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# **SPECIFICATIONS**

- Item No. 1-01 Pre- Bid RFI Log Responses
- Item No. 1-02 Added Specifications Sections:

09 67 00 - FLUID APPLIED FLOORING FOR CONCRETE

# DRAWINGS

## ARCHITECTURAL

Item No. 1-03	Provide Door Hardware for Door Opening W111E listed as the
	following:

6	Hinge	T4A3786	US26D	MK
2	Flush Bolt	555 (12"-24" as required)	US26D	RO
1	Dust Proof Strike	570	US26D	RO
1	Storeroom Lock	ND96 R D SPA D145 50-210	626	SC
2	Stop	400/403/441H (asrequired)	US26D	RO
2	Silencer	608		RO

Item No. 1-04	Refer to attached Addendum Drawing AD1-A01. Detail clarifies relationship of suspended to Window Type FF1. as shown in Building Section #2 on Sheet AW6.10.
Itom No. 1-05	Refer to attached Addendum Drawing AD1-A02 South Interior

- Item No. 1-05 Refer to attached Addendum Drawing AD1-A02. South Interior Elevation from Classroom W101 is provided to clarify paint finish as shown clouded.
- Item No. 1-06 Refer to attached to Addendum Drawing AD1-A03. This drawing replaces Sheet A9.20 and is modified as shown clouded.

<u>End</u>

Buc Pre	hanan CTE Ne Bid RFI's	w Classr	oom Building	SIM-PBK	
No.	Contractor	Date Rec'd	Pre-Bid RFI - Description	Pre-Bid RFI Response	Date Responded
-	Saleh Co.	1/5/2021	I could not find the High Performance Coating, specification 09 99 60, referenced on the Finish floor plan, page AW2.20. Please provide.	Refer to finish schedule and Legend on sheet AW2.20. EF1 finish shall be Fluid Applied floor coating per specification section 09 67 00, Fluid Applied Flooring For Concrete. This specification section is being added via AddendumSIM-PBK	1/14/2021
2	Saleh Co.	1/5/2021	The reflected ceiling plan, page AW3.10, shows a pipe grid indicated for a "Black Finish." Please confirm if this is a field paint finish and if so what type of finish.	The connector strips and brackets should all come pre-finished. The pipe battens shall be field painted by the general contractor SIM-PBK	1/20/2021
ω	Saleh Co.	1/5/2021	The reflected ceiling plan, page AW3.10, shows several EXP (EXPOSED TO DECK) ceilings. There is no indication that these paint. Please clarify if these are to paint or to remain unfinished.	All exposed framing shall be painted black. Exposed deck shall also have batt insulation with Black Poly ScrimSIM-PBK	1/20/2021
4	Davis Moreno Construction- ATASCADERO GLASS GLASS	1/14/2021	Window Type FF1: Please confirm that Window Type FF1 has a structural midpoint attachment per Building Section 2/AW6.10 and Elevation F/SW4-12.	We understand this question to be asking about the angled ceiling in Room W 109. This ceiling is a suspended ceiling from the roof framing / roof deck. It is not attached to the exterior storefront window. Provide a decorative sheet metal close angle between the susupsend ceiling and the storefront window per detail provide in the Addendum. Also, Window type FF1 required Deferred Approval. Steel Reinforcing of this window frame will be required. Contractor shall be repsonsible for attaining a California liscensed Structural Engineer to structurally design, prepare appropriate shop drawings, and provide documents for DSA Deferred submission and approvalSIM-PBK	1/20/2021
თ	Davis Moreno Construction- ATASCADERO GLASS GLASS	1/14/2021	Energy Compliance: Spec. Section 088000_2.2_A specifies glass with 'Solarban 70XL (2) Starphire + Clear', which will not meet the Title 24 fenestration assembly requirements delineated on Sheet MX.2. Additionally, Spec. Section 08800_4.1_A refers to glass type GL1—this glass type does not include a specified low-e coating and glass type GL1 is not referenced on the plan set. General Note #2/AW5.10 states "All exterior glazing to be: Glazing Type I, Graylite II + Solarban 67 (3) Clear, U.N.O." The center-of- glass U-factor and SHGC (0.29, 0.12, respectively) of Glazing Type I match the Title 24 fenestration values delineated on Sheet MX.2, but when installed in the storefront and curtainwall systems, Glazing Type I will not meet said Title 24 fenestration assembly frame, glass, and spacerperformance values. Please confirm that Glazing Type I per Note #2/AW5.10 is required for all exterior glazing.	Disregard the 1" insulated glass unit type referenced in spec section 08 80 00. All exterior glazing, non spandrel glass, shall be as noted on Sheet AW5.10 and General Notes. Refer to Pre-Bid RFI#12 response for clarification of the exterior spandrel glass SIM-PBK	1/20/2021
6	Davis Moreno Construction- ATASCADERO GLASS	1/14/2021	Window Types FF3 & FF4: In the absence of details and given that no structural post is shown (see Gridline G, intersections 1 & 4, on Sheets AW2.10 & SW2-10), please confirm that Window Types FF3 & FF4 are joined by a storefront corner mullion	FF3 & FF4 shall be joined by storefront corner mullion. Butt joint glazing at corner SIM-PBK	1/20/2021

1/20/2021	Columns on grid line 1/F and 4/F are wood columns as shown on structural plans. Provide "Simpson" Beam to Post saddle connections at these columns. Parrish-Hansen & SIM-PBK.	At Roof Framing Plan SW3.10 located at gridline 1&4 on F line, it is shown to be a Wood Post and likewise on Foundation, yet on Architectural details 2&6/AW7.10 it indicates a steel column. There is also no detail shown for Post to GLB. Please advise which it is correct Wood or steel and supply details and information to be able to take this off.	1/18/2021	Seals Construction, Inc.	13
1/20/2021	The spandrel glazing type shall be Graylite II + Clear Solarban 67 #3 with Spandrel opaci-coat #4 SIM-PBK	Spandrel Glass: Spec. Section 088000_4.1_B refers to glass type 'SP', but Glass Type 'SP' is not referenced on the plans. The 'Legend - Exterior Elevations'/AW5.10 as well as the 'Legend - Windows'/A9.20 both refer to 'Low-E Spandrel Glazing to match Glazing Type I.' Glazing Type I is found in General Note #2/AW5.10 and is delineated as 'Graylite II + Solarban 67 (3) Clear.' Please confirm that the spandrel glazing type is to be Graylite II + Clear Solarban 67 #3 with Spandrel opaci-coat #4.	1/1 5/2021	Davis Moreno Construction- ATASCADERO GLASS GLASS	12
1/20/2021	Disregard all references to Decorative Window film. Decorative Window film is not in this project SIM-PBK	Specification Section 08 8733 indicates Decorative Window Films to be provided as a part of the project. Plan Sheets AW8.10 – AW8.12 include a legend indicating Glazing and Decorative Films – See Window Schedule. Plan Sheet A9.20 – Window Types does not appear to indicate where the Decorative Films are to be applied. Please clarify the extent of where the Decorative Films are to be applied, if anywhere, as well as any specialized graphics that may apply to this scope of work.	1/1 5/2021	Seals Construction, Inc.	11
1/20/2021	Refer to revised / replaced sheet A9.20, via Addednum, for indication of Storefront and curtain wall frame profiles for each window type. Interior window type is clarified in this revised sheet SIM-PBK	Window Types FF7 & FF8: Window Types FF7 & FF8 are located within the interior of the building, and no details are given for these storefront types. Since they are located within the interior of the building, please confirm that a 1 1/4" x 4 1/2" center-glazed aluminum storefront system (such as Kawneer 450) with 1/4" clear glazing is required for Window Types FF7 & FF8.	1/18/2021	Davis Moreno Construction- ATASCADERO GLASS	10
1/20/2021	All storefront and curtain walls shall be clear anodized finish SIM-PBK	Aluminum Storefront & Curtainwall Finishes: Spec. Section 084113_2.3_A specifies Class I Clear Anodized finish for the aluminum storefront, while Spec. Section 084413_2.7_A specifies Class I <i>Color</i> Anodized Finish, with the color to be selected by Architect. Please confirm that the Aluminum Storefront is to be Class I Clear Anodized	1/1 4/2021	Davis Moreno Construction- ATASCADERO GLASS	6
1/20/2021	Provide compensating channel at all exterior windows SIM-PBK	Aluminum Storefront Compensating Channel: Detail 17/A10.80 shows compensating channel at the aluminum storefront head. Window Types FF3, FF4, & FF5 reference this Detail. These storefront openings have relatively small widths and do not require compensating channel. Please confirm that aluminum storefront compensating channel is required only at Window Types FF2 & FF6.	1/14/2021	Davis Moreno Construction- ATASCADERO GLASS	8
1/20/2021	Refer to revised / replaced sheet A9.20, via Addednum, for indication of Storefront and curtain wall frame profiles for each window type SIM-PBK	Storefront Type: Storefront Details 6, 7, 11, 12, & 17 show a storefront system with double thermal breaks, but Spec. Section 084113_2.1_A refers to the aluminum storefront Basis of Design to be Kawneer Trifab 451/451T, which is a nonthermal and a single-thermal break storefront system, respectively. Please confirm that a storefront system with a <i>single</i> thermal break (such as Kawneer 451T) is required.	1/1 4/2021	Davis Moreno Construction- ATASCADERO GLASS GLASS	7

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																							Graham Prewett		Graham Prewett	Davis Moreno Cons.	Seals Construction, Inc.	Seals Construction, Inc.	Jboone Mechanical
																							1/20/2021		1/20/2021	1/19/2021	1/19/2021	1/19/2021	1/18/2021
																							Specification Section 07 54 20 Scope A.2 & A.3 Code Requirements 1.03 A1. Please clarify wind up lift 1-75 or 1-60	be any Polyisocyanurate insulation in the roof system.	Specification Section 07 54 20 Scope A.2. Please clarify if there will	There is a discrepancy between the electrical site plan sheet E0.1 and single-line diagram sheet EX0.2. The electrical site plan keynotes #3 & 4 call to intercept and extend four #350 KCMIL & one #1/0 GND to the existing Distribution Panel 'DP-1' and new Panel 'HW' However, the single-line diagram calls to intercept and extend four #350 KCMIL & one #2 GND to these two panels. Please clarify.	Floor Plan – Sheet AW2.10 appears to show a Window at Control Room W111 – East Elevation. Interior Elevations – Sheet AW8.11 does not show a Window at this location. Please clarify.	Door Schedule – Sheet A9.10 - Door Opening W111E does not have a Hardware Group identified. Please clarify.	Please clarify if this project requires 3D BIM modeling/coordination stated in Specification Reference: 01 31 00
																							Wind up lift requiremnet shall be FM 1-60 as specified SIM-PBK	insulation as shown in the drawings SIM-PBK	No polvisocyanurate insulation is in the roof system. Provide blown / hatt	1#2 ground is permitted Hardin-Davidson	Refer to Addendum for added window type for interior window at the Control room W111 SIM-PBK	Refer to Addendum for added hardware group for this opening SIM-PBK	BIM modeling is not required. It is recommended, if possible. Relative to cordinating mechincal ductwork, ductwork work shall be held and installed as tight as possible to roof framing SIM-PBK
	_1	1	<u>.</u>	1	<u> </u>	1	_1_	_1_	 1	_1	1	I		L	1	I	<u> </u>	1	 1	1	1		1/20/2021		1/20/2021	1/20/2021			1/20/2021

#### SECTION 09 67 00 FLUID APPLIED FLOORING FOR CONCRETE

#### Part 1 GENERAL

#### 1.1 SECTION INCLUDES

A Fluid-applied flooring for Concrete

#### 1.2 RELATED SECTIONS

- A Section 03 35 00 Concrete Finishes
- B Section 03 01 00 Maintenance of Concrete
- C Section 09 67 00 Fluid Applied Flooring for Concrete
- D Section 09 96 00 High-Performance Coatings

#### 1.3 REFERENCES

- A SSPC-SP 1 Solvent Cleaning
- B SSPC-SP 2 Hand Tool Cleaning
- C SSPC-SP 3 Power Tool Cleaning
- D SSPC-SP 13 / NACE No. 6 Surface Preparation for Concrete
- E ASTM F1869 Moisture Test by use of Calcium Chloride
- F ASTM D4258 Standard Practice for CleaningConcrete
- G ASTM D4259 Standard Practice for Abrading Concrete
- H ASTM D4260 Standard Practice for Etching Concrete
- I ASTM D4263 Plastic Sheet Method for Checking Moisture in Concrete
- J ICRI # 310.2 Surface Preparation of Concrete

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#### 1.4 SUBMITTALS

A Submit under provisions of Section 01 33 00, Submittal Procedures.

B Product Data: Manufacturer's data sheets on each paint and coating product should include:

- 1 Product characteristics
- 2 Surface preparation instructions and recommendations
- 3 Primer requirements and finish specification
- 4 Storage and handling requirements and recommendations
- 5 Application methods
- 6 Clean-up information
- C Selection Samples: Submit a complete set of color chips that represent the full range of manufacturer's color samples available.
- D Coating Maintenance Manual: upon conclusion of the project, the Contractor or paint manufacture/supplier shall furnish a coating maintenance manual, such as Sherwin-Williams "Custodian Paint Maintenance Manual" report or equal. Manual shall include an Area Summary with finish schedule, Area Detail designating where each product/color/finish was used, product data pages, Safety Data Sheets, care and cleaning instructions, touch-up procedures, and color samples of each color and finish used.

#### 1.5 MOCK-UP

Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of painting on the project.

A Finish surfaces for verification of products, colors, & sheens

- B Finish area designated by Architect
- C Provide samples that designate prime & finish coats
- D Do not proceed with remaining work until the Architect approves the mock-up samples

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A Delivery: Deliver manufacturer's unopened containers to the work site. Packaging shall bear the manufacturer's name, label, and the following list of information:
  - 1 Product name, and type (description)
  - 2 Application & use instructions
  - 3 Surface preparation
  - 4 VOC content
  - 5 Environmental handling and an SDS
  - 6 Batch date
  - 7 Color number
- B Storage: Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction. Store materials in an area that is within the acceptable temperature range, per manufacturer's instructions. Protect from freezing.

C Handling: Maintain a clean, dry storage area, to prevent contamination or damage to the

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coatings.

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#### 1.7 **PROJECT CONDITIONS**

Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not apply coatings under environmental conditions outside manufacturer's absolute limits.

#### Part 2 PRODUCTS

#### 2.1 MANUFACTURERS

A Acceptable Manufacturer:

The Sherwin-Williams Company 101 Prospect Avenue NW Cleveland, OH 44115 Tel: (800) 321-8194 www.sherwin-williams.com

 B. Substitutions: Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 Product Requirements.
 When submitting request for substitution, provide complete product data specified above under Submittals, for each substitute product.

#### 2.2 APPLICATION/SCOPE

- A Use this article to define the scope of painting if not fully defined in a Finish Schedule or on the drawings. This article must be carefully edited to reflect the surfaces actually found on the project. In some cases, it may be enough to use the first paragraph that says, in effect, "paint everything" along with a list of items not to paint, without exhaustively defining all the different surfaces and items that must be painted.
- B If the project involves repainting some but not all existing painted surfaces, be sure to indicate the extent of the repainting.
- C The descriptions of each system can also be used to further refine the definition of what is to be coated.
- D Surfaces to Be Coated:

Concrete Floors: Light Industrial Duty Concrete Floors: Moderate Duty Concrete Floors: Heavy Duty

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#### 2.3 SCHEDULE INDEX: INTERIOR FLOORING

Α	Concrete Floors: Light Duty Industrial Page 6
	1 Acrylic System
	2 Water Based Epoxy Primer / Water Based Epoxy Systems
	3 Water Based Epoxy Primer / Water Based Urethane System
	4 Epoxy System
В	Concrete Floors: Moderate Duty Industrial
	1 Water Based Epoxy Primer / Water Based Epoxy System
	2 Epoxy Primer / Self-Leveling Epoxy System
	3 Epoxy Primer / Self-Leveling Epoxy Decorative Quartz System
	4 Water Based Epoxy Primer / Water Based Urethane System
	5 Epoxy System
	6 Epoxy / Moisture Cure Urethane Systems
С	Concrete Floors: Heavy Duty Industrial
	1 Epoxy Primer / Self-Leveling Epoxy System
	2 Epoxy Primer / Self-Leveling Epoxy Decorative Quartz System
	3 Epoxy / Moisture Cure Urethane System
	4 Moisture Cure Urethane System
	5 Epoxy / HS Polyurethane

#### Index of Data pages

#### DATA PAGES AND SDS SHEETS: (To open any of the Data page Files, please click here)

\* Refer to the current SDS/EDS for specific VOCs. VOCs may vary by base and sheen.

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#### EDIT THIS SCHEDULE TO SELECT PRODUCT AND FINISH DESIRED AND VOC NEEDS

#### 2.3 SCHEDULE

#### A Light Duty Industrial: (Is Generally Considered For Industrial Foot Traffic & Handcarts) 1 Acrylic Systems

1st Coat: ArmorSeal<sup>®</sup> Tread-Plex<sup>™</sup>, B90 Series

2nd Coat: ArmorSeal Tread-Plex, B90 Series

3rd Coat: ArmorSeal Tread-Plex, B90 Series

(1.5 - 2.0 mils dry per coat) (3rd coat optional)

#### 2 Water Based Epoxy Primer / Water Based Epoxy Systems

1st Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series 2nd Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series 3rd Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series (2.0 - 5.0 mils dry per coat)

#### Alternate

1st Coat: ArmorSeal Water Based Epoxy Primer/Sealer Clear, B70VQ10 (2.0 – 3.0 mils dry)

2nd Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series 3rd Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series (2.0 - 5.0 mils dry per coat)

#### 3 Water Based Epoxy Primer / Water Based Urethane System

1st Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series (2.0 - 4.0 mils dry)

2nd Coat: ArmorSeal 1K Water Based Urethane Floor Enamel, B65-775 Series 3rd Coat: ArmorSeal 1K Water Based Urethane Floor Enamel, B65-775 Series (2.0 - 4.0 mils dry per coat) (3rd coat optional)

#### 4 Epoxy System

1st Coat: ArmorSeal 1000 HS Epoxy, B67-2000 Series (2.5 - 4.0 mils dry per coat)

2nd Coat: ArmorSeal 1000 HS Epoxy, B67-2000 Series 3rd Coat: ArmorSeal 1000 HS Epoxy, B67-2000 Series (3.0 - 5.0 mils dry per coat) (3rd coat optional)

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В

#### Moderate Duty Industrial: (Is Generally Considered For Wheeled Carts, Frequent Cleaning/Rinsing, Occasional Spills, And Moderate Abrasion) Water Based Epoxy Primer / Water Based Epoxy Systems 1 1st Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series 2nd Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series 3rd Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series (2.0 - 5.0 mils dry per coat) Alternate 1st Coat: ArmorSeal Water Based Epoxy Primer/Sealer Clear, B70VQ10 (2.0 - 3.0 mils dry)2nd Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series 3rd Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series (2.0 - 5.0 mils dry per coat) 2 Epoxy Primer / Self-Leveling Epoxy System ArmorSeal 33 Epoxy Primer/Sealer, B58-33 Series 1st Coat: (7.0 - 9.0 mils dry) 2nd Coat: ArmorSeal 650 SL/RC Self-Leveling Epoxy, B58-650 Series (10.0 - 30.0 mils dry per coat) 3 Epoxy Primer / Self-Leveling Epoxy Decorative Quartz System 1st Coat: ArmorSeal 33 Epoxy Primer/Sealer, B58-33 Clear (10.0 mils wft, broadcast to excess with color quartz) 2nd Coat: ArmorSeal 33 Epoxy Primer/Sealer, B58-33 Clear (24.0 mils wft, broadcast to excess with color quartz) 3rd Coat: ArmorSeal 650 SL/RC Clear Self-Leveling Epoxy, B58-650 Clear (16.0 mils wft) ArmorSeal 650 SL/RC Clear Self-Leveling Epoxy, B58-650 Clear 4th Coat: (8.0 mils wft) 4 Water Based Epoxy Primer / Water Based Urethane System 1st Coat: ArmorSeal 8100 Water Based Epoxy, B70-8100 Series (2.0 - 4.0 mils dry) 2nd Coat: ArmorSeal 1K Water Based Urethane Floor Enamel, B65-775 Series 3rd Coat: ArmorSeal 1K Water Based Urethane Floor Enamel, B65-775 Series (2.0 - 4.0 mils dry per coat) (3rd coat optional) 5 **Epoxy System** 1st Coat: ArmorSeal 1000 HS Epoxy, B67-2000 Series (2.5 - 4.0 mils dry per coat) 2nd Coat: ArmorSeal 1000 HS Epoxy, B67-2000 Series 3rd Coat: ArmorSeal 1000 HS Epoxy, B67-2000 Series (3.0 - 5.0 mils dry per coat) (3rd coat optional) 6 **Epoxy / Moisture Cure Urethane Systems**

- 1st Coat: ArmorSeal 1000 HS Epoxy, B67-2000 Series (1.5 - 2.0 mils dry)
  2nd Coat: ArmorSeal Rexthane™ I MCU, B65-60 Series
  3rd Coat: ArmorSeal Rexthane I MCU, B65-60 Series
  - (2.0 3.0 mils dry per coat) (3rd coat optional)

#### Alternate

1st Coat: ArmorSeal Rexthane I MCU, B65-60 Series

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2nd Coat: ArmorSeal Rexthane I MCU, B65-60 Series (2.0 - 3.0 mils dry per coat)

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#### С Heavy Duty Industrial: (Is Generally Considered for Heavy Vehicle Traffic, Heavy Abrasion Areas, & Frequent Cleaning/Rinsing) 1

- Epoxy Primer / Self-Leveling EpoxySystem
  - ArmorSeal 33 Epoxy Primer/Sealer, B58-33 Series 1st Coat: (7.0 - 9.0 mils dry)
  - 2nd Coat: ArmorSeal 650 SL/RC Self-Leveling Epoxy, B58-650 Series (10.0 - 30.0 mils dry per coat)

#### **Epoxy Primer / Self-Leveling Epoxy Decorative Quartz System** 2

ArmorSeal 33 Epoxy Primer/Sealer, B58-33 Clear 1st Coat: (10.0 mils wft, broadcast to excess with color quartz)

- 2nd Coat: ArmorSeal 33 Epoxy Primer/Sealer, B58-33 Clear (24.0 mils wft, broadcast to excess with color guartz)
- 3rd Coat: ArmorSeal 650 SL/RC Clear Self-Leveling Epoxy, B58-650 Clear (15.0 mils wft)
- 4th Coat: ArmorSeal 650 SL/RC Clear Self-Leveling Epoxy, B58-650 Clear (8.0 mils wft)

#### 3 **Epoxy / Moisture Cure Urethane System**

ArmorSeal 1000 HS Epoxy, B67-2000 Series 1st Coat: (1.5 - 2.0 mils dry) 2nd Coat: ArmorSeal Rexthane<sup>™</sup> I MCU, B65-60 Series 3rd Coat: ArmorSeal Rexthane I MCU, B65-60 Series (2.0 - 3.0 mils dry per coat) (3rd coat optional)

#### 4 **Moisture Cure Urethane System**

1st Coat: ArmorSeal Rexthane I MCU, B65-60 Series 2nd Coat: ArmorSeal Rexthane I MCU, B65-60 Series (2.0 - 3.0 mils dry per coat)

#### 5 **Epoxy / HS Polyurethane**

ArmorSeal 1000 HS Epoxy, B67-2000 Series 1st Coat: (1.5 - 2.0 mils dry)

2nd Coat: ArmorSeal HS Polyurethane, B65-220 Series 3rd Coat: ArmorSeal HS Polyurethane, B65-220 Series (2.0 - 3.0 mils dry per coat)

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#### 2.4 MATERIALS - GENERAL REQUIREMENTS

A Paints and Coatings - General:

1 1Unless otherwise indicated, provide factory-mixed coatings. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions. VOCs need to be confirmed by using the products EDS sheets.

#### B Primers:

1 Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.

#### 2.5 ACCESSORIES:

A Coating Application Accessories:

1 Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and cleanup materials required, per manufacturer's specifications.

#### Part 3 EXECUTION

#### 3.1 EXAMINATION

- A Do not begin application of coatings until substrates have been properly examined and prepared. Notify Architect or Specifier of unsatisfactory conditions before proceeding.
- B If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C Proceed with work only after conditions have been corrected, and approved by all parties, otherwise application of coatings will be considered as an acceptance of surface conditions.
- D Previously Painted Surfaces: Verify that existing painted surfaces do not contain lead based paints, notify Architect immediately if lead based paints are encountered.

(**Specifier Note**: Verify the existence of lead based paints on the project. Buildings constructed after 1978 are less likely to contain lead based paints. If lead based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting and all applicable state and local regulations. State and local regulations may be more strict than those set under the federal regulations. Verify that Owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings. Concluding that no lead based paints were found on project site, delete paragraph regarding lead based paints.)

#### 3.2 SURFACE PREPARATION

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than those set under the federal RRP Rule.

A Proper product selection, surface preparation, and application affect coating performance.

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Coating integrity and service life will be reduced because of improperly prepared surfaces. Selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.

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- B Selection of the proper method of surface preparation depends on the substrate, the environment, and the expected service life of the coating system. Economics, surface contamination, and the effect on the substrate will also influence the selection of surface preparation methods.
- C Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.
- D Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid household bleach and 3 parts of warm water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry at least 48 hours before painting. Wear protective glasses or goggles, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.
- E Poured Concrete
  - 1 New

For surface preparation, refer to SSPC-SP13/NACE 6/ICRI # 310.2. Surfaces must be clean, dry, sound and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. Refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 8.0 and 10.0. Allow to dry thoroughly prior to coating.

#### 2 Old

Surface preparation is done in much the same manner as new concrete, however, if the concrete is contaminated with oils, grease, chemicals, etc., they must be removed by cleaning with a strong detergent. Refer to ASTM D4258. Form release agents, hardeners, etc. must be removed by sandblasting, shotblasting, mechanical scarification, or suitable chemical means.

F Previously Painted Surfaces

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

G Fill all cracks, voids, bug holes and joints with appropriate filler or ArmorSeal Crack Filler, ArmorSeal Flexible Joint Sealant, or ArmorSeal Expresspatch.

H Always follow the ASTM methods listed below:

- 1 ASTM F1869 Moisture Test by use of Calcium Chloride
- 2 ASTM D4258 Standard Practice for Cleaning Concrete
- 3 ASTM D4259 Standard Practice for Abrading Concrete

4 ASTM D4260 Standard Practice for Etching Concrete

5 ASTM D4263 Plastic Sheet Method for Checking Moisture in Concrete

6 SSPC-SP 13/Nace 6 Surface Preparation of Concrete

7 ICRI # 310.2 Surface Preparation of Concrete

#### FLUID APPLIED FLOORING FOR CONCRETE

# FLUID APPLIED FLOORING FOR CONCRETE

## 09 67 00

13

SIM-PBK ADDENDUM #1 JANUARY 21, 2021

#### 3.3 INSTALLATION

- A Testing: Due to the wide variety of substrates, preparation methods, application methods and environments, one should test the product in an inconspicuous spot for adhesion and compatibility prior to full-scale application.
- B Apply all coatings and materials with the manufacturer's specifications in mind. Mix and thin coatings according to manufacturer's recommendation.
- C Do not apply to wet or damp surfaces.
  - 1 Wait at least 30 days before applying to new concrete or masonry. Or follow manufacturer's procedures to apply appropriate coatings prior to 30 days.
  - 2 Test new concrete for moisture content.
- D Apply coatings using methods recommended by manufacturer.
- E Uniformly apply coatings without runs, or sags, without brush marks, and with consistent sheen.
- F Apply coatings at spreading rate required to achieve the manufacturer's recommended dry film thickness.
- G Regardless of number of coats specified, apply as many coats as necessary for complete hide and uniform appearance following manufacturer's guidelines.
- H Inspection: The coated surface must be inspected and approved by the Architect or Engineer just prior to the application of each coat.

#### 3.4 **PROTECTION**

A Protect finished coatings from damage until completion of project.

B Touch-up damaged coatings after substantial completion, following manufacturer's recommendation for touch up or repair of damaged coatings. Repair any defects that will hinder the performance of the coatings.

#### 3.5 SCHEDULES

Specifier Note: Cut and paste the coatings system schedule here (specified in section 2.3 SCHEDULE INDEX), otherwise delete this section.

#### END OF SECTION04062018

#### FLUID APPLIED FLOORING FOR CONCRETE





SOUTH

# CLASSROOM W101

SCALE: 1/4"=1'-0"



DSA APP NUMBER

	ADDENDUM ITEM NUMBER
PROJECT NUMBER	
SCALE	REFERENCE SHEET NUMBER



# WINDOW GLAZING LEGEND

NOTE: ALL INTERIOR GLAZING TO BE CLEAR.

# LEGEND - WINDOWS

LOW-E SPANDREL GLAZING TO MATCH GLAZING TYPE I



- SEE SHEET G0.1 FOR TYPICAL SYMBOLS AND ABBREVIATIONS. SEE STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL & TECHNOLOGY DRAWINGS FOR EXTENT OF STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL & TECHNOLOGY SCOPE OF WORK. SEE SHEET A10.10 FOR SIGNAGE AND ACCESSIBILITY DETAILS. SEE SHEET A10.60 FOR CASEWORK DETAILS. SEE SHEET A10.70 FOR ROOF & EXTERIOR DETAILS.
- SEE SHEET A10.80 FOR WINDOW AND DOOR DETAILS. SEE SHEET A10.90 FOR CEILING AND FINISH DETAILS. 8. SEE FLOOR PLANS FOR ROOM NAMES AND NUMBERS

