



Addendum

Date August 7, 2026
Project Name Oakland University – Aquatic Center Renovation 2027
TMP Project No. 26037
Addendum No. One (1)

The Bidding Documents are modified, supplemented, or augmented as follows and the Addendum is hereby made a part of the proposed Contract Documents.

The following Drawing(s) and Attachment(s) are issued with this Addendum:

Drawing No(s): A6.1
Attachment(s): Specification Section(s): 00,0110, 01 2100, 01 2200, 01 2300, 07 8100, 09 9600, 10 2113.17, 10 5129

Item No.	Specification Changes
SC-1	Refer to Section No 00 0110 – TABLE OF CONTENTS (reissued): A. Refer to Issuance Column revised to reflect sections revised, deleted or added to the Table of Contents as a result of this Addendum.
SC-2	Refer to Section No. 01 2100 – ALLOWANCES (reissued); A. Refer to Paragraph 1.03 Contingency Allowance, added as indicated. B. Refer to Paragraph 1.03 Allowance Schedule revised numbering from 1.03 to 1.04 as indicated. C. Refer to Sentences 1.04.B and 1.04.C added as indicated.
SC-3	Refer to Section No. 01 2200 – UNIT PRICES (new); A. New section added to Specification Manual.
SC-4	Refer to Section No. 01 2300 – ALTERNATES (reissued): A. Refer to Sentence 1.03.E.2 revised as indicated.
SC-5	Refer to Section No. 07 8100 – APPLIED FIRE PROTECTION (reissued): A. Refer to Sentences. 2.02.A.10.a, 2.02.A.10.b, and 2.02.B.9.a, revised as indicated.

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- SC-6 Refer to Section No. 09 9600- HIGH-PERFORMANCE COATINGS (reissued):
 A. Refer to Section 2.05, Line C. Added new material, cementitious plaster,
 as indicated.
- SC-7 Refer to Section No. 10 2113.17 - PHENOLIC TOILET PARTITIONS
 (not reissued):
 A. Section deleted from Specification Manual.
- SC-8 Refer to Section No. 10 2113.19 – PLASTIC TOILET PARTITIONS (new):
 A. New Section added to Specification Manual.
- SC-9 Refer to Section No. 10 5126 – PLASTIC LOCKERS (new):
 A. New Section added to Specification Manual.
- SC-10 Refer to Section No. 10 5129 – PHENOLIC LOCKERS (not reissued):
 A. Section deleted from Specification Manual.

Item No. Architectural Drawing Changes

- AD-1 Refer to Drawing No. A6.1 (reissued):
 A. Revised text notes to reference HDPE Lockers and Toilet Partitions
 instead of Phenolic Lockers and Toilet Partitions as indicated.
 B. Revised Locker layouts in Men's Locker Rm. A147 and Women's Locker
 Rm. A132 as indicated.

***END OF ADDENDUM NO. 1 ***

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PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

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00 0115	List of Drawings	CD
00 8200	Availability of Electronic Files	CD
00 8200.02	Electronic Files Release Form (Free)	CD

OWNER REQUEST FOR PROPOSAL

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RFP 00312	Request for Proposal-Rec Center Pool Renovation	CD
	Schedule C	CD

SPECIFICATIONS GROUP

GENERAL REQUIREMENTS SUBGROUP

DIVISION 01 - GENERAL REQUIREMENTS

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01 0005	Related Requirements	CD
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01 2500	Substitution Procedures	CD
01 2500.01	TMP Substitution Request Form	CD
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FACILITY CONSTRUCTION SUBGROUP**DIVISION 02 – EXISTING CONDITIONS**

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DIVISION 04 - MASONRY

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DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

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DIVISION 07 - THERMAL AND MOISTURE PROTECTION

Section	Title	Issued
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07 9200	Joint Sealants	CD

DIVISION 08 - OPENINGS

Not Used

DIVISION 09 - FINISHES

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09 3000	Hard Tiling	CD
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10 2800	Toilet, Bath and Laundry Accessories	CD
10 5126	Plastic Lockers	ADD1
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13 1104	Swimming Pool Cementitious Finish	CD
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DIVISION 14 - CONVEYING EQUIPMENT

Not Used

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Not Used

DIVISION 21 – FIRE SUPPRESSION

Not Used

DIVISION 22 - PLUMBING

Not Used

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING (HVAC)

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DIVISION 25 – INTEGRATED AUTOMATION

Not Used

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DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

Not Used

SITE AND INFRASTRUCTURE SUBGROUP

DIVISION 31 – EARTHWORK

Not Used

DIVISION 32 – EXTERIOR IMPROVEMENTS

Not Used

DIVISION 33 – UTILITIES

Not Used

END OF SECTION

SECTION 01 2100 - ALLOWANCES**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Cash allowances.

1.02 CASH ALLOWANCES

- A. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials selected under allowances shall be included as part of the Contract Sum and not part of the allowance.
- B. Architect Responsibilities:
 - 1. Select products in consultation with Owner and transmit decision to Contractor.
 - 2. Prepare Change Order.
- C. Contractor Responsibilities:
 - 1. On notification of which products have been selected, execute purchase agreement with designated supplier and installer.
 - 2. Arrange for and process shop drawings, product data, and samples. Arrange for delivery.
- D. Differences in costs will be adjusted by Change Order.

1.03 CONTINGENCY ALLOWANCE

- A. **Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.**
- B. **Funds will be drawn from the Contingency Allowance only by Change Order.**
- C. **At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order. ***ADD1*****

1.04 ALLOWANCES SCHEDULE

- A. Allowance 1 - Contingency Allowance: Remedial Floor Coatings
 - 1. Description: Provide a contingency allowance of \$ 8,000.00 for remedial floor coating work as specified in Section 09 0561 Common Work Results for Flooring Preparation.
- B. **Allowance 2 - Cash Allowance: Patching Fireprotection Coating**
 - 1. **Description: To provide a cash allowance of \$ 40,000.00 to repair / replace fire protection coating to the existing structure and deck above the bleacher seating in the Natatorium. Work will involve the following: .**
 - a. **To prepare the existing substrate to receive new fire protection coating compatible to the existing material.**
 - b. **to apply new fire protection coating as specified in Section 078100 Applied Fire Protection.**
 - c. **Basis of payment will be unit pricing as referenced in Specification Section 01 2200**
- C. **Allowance 3 - Cash Allowance: Testing of Existing Applied Fire Protection Coating**
 - 1. **Description: Provide a cash allowance of \$5,000 to have a third party testing agency obtain samples of the existing applied fire protection coating to determine if it is a gypsum based product or a cementitious based product..***ADD1*****

PART 2 PRODUCTS - NOT USED**PART 3 EXECUTION - NOT USED****END OF SECTION 01 2100**

SECTION 01 2200 - UNIT PRICES*****ADD1*******PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Measurement and payment criteria applicable to Work performed under a unit price payment method.

1.02 COSTS INCLUDED

- A. Unit Prices included on the Bid Form shall include full compensation for all required labor, products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; overhead and profit.

1.03 MEASUREMENT OF QUANTITIES

- A. Take all measurements and compute quantities. Measurements and quantities will be verified by Architect.
- B. Assist by providing necessary equipment, workers, and survey personnel as required.

1.04 PAYMENT

- A. Payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities of Work that is incorporated in or made necessary by the Work and accepted by the Architect, multiplied by the unit price.
- B. Payment will not be made for any of the following:
 - 1. Products wasted or disposed of in a manner that is not acceptable.
 - 2. Products determined as unacceptable before or after placement.
 - 3. Products remaining on hand after completion of the Work.

1.05 SCHEDULE OF UNIT PRICES

- A. Unit Price 1 - Remedial Floor Coating
 - 1. Description: Provide a unit cost for concrete slab remedial floor coating work as specified in Section 09 0561 Common Work Results for Flooring Preparation.
 - 2. Unit of Measurement: Square Feet.
- B. Unit Price 2 - Applied Fire Protection - Cementitious Based.
 - 1. Description: Provide a unit cost for the preparation of the substrate and application of cementitious based fire protection to damaged areas of existing fire protection to the steel roof framing and deck as identified in the field. .
 - 2. Unit of Measurement: Square Feet.

PART 2 PRODUCTS - NOT USED**PART 3 EXECUTION - NOT USED****END OF SECTION 01 2200**

SECTION 01 2300 - ALTERNATES**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Description of Alternates.

1.02 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

1.03 SCHEDULE OF ALTERNATES

- A. Alternate 1 - Tile Finish
 - 1. Base Bid: To provide the specified plaster finish to pool wall and floor surfaces that are 5'-0" and less in depth..
 - 2. Alternate: To provide tile and grout finish in lieu of plaster finish to pool wall and floor surfaces 5'-0" or less in depth.
- B. Alternate 2 - Flocculation System
 - 1. Base Bid: Flocculation System not provided..
 - 2. Alternate: to provide an electronic flocculation system as specified and as indicated on the drawings.
- C. Alternate 3 - Acoustic Ceiling Baffles.
 - 1. Base Bid: To remove and replace damaged acoustic ceiling baffles as identified on Drawings A0.2A and A2.2A and to replace with new Acoustic Ceiling Units as specified in Section 09 8436
 - 2. Alternate: To remove all ceiling baffles and to replace with new baffles as specified in Section 09 8436 Acoustic Ceiling Units.
- D. Alternate 4 - Paint Locker Rooms
 - 1. Base Bid: To retain existing finishes in Men's and Women's Varsity Locker Rooms
 - 2. Alternate: To prepare and paint elements in the Men's and Women's Varsity Locker Rooms as indicated on Drawing A10.1A.
 - a. Refer to Room Finish Drawing for patterns, colors and extent.
- E. Alternate 5 - Locker and Toilet Partition Replacement
 - 1. Base Bid: To retain existing lockers and benches on Restrooms and Locker Rooms and Toilet Partitions and Urinal Screens in Toilet Rooms
 - 2. Alternate: To remove and replace existing lockers with new **Phenolic Plastic** lockers and **Phenolic Plastic** Toilet Partitions and Urinal Screens as scheduled and as indicated on Drawings A0.1A, A1.1A and A6.1 *****ADD1*****
- F. Alternate 6 - Glass Block Windows
 - 1. Base Bid: To retain the existing glass block windows in their curren condition.
 - 2. Alternate: To remove sealant from existing glass block windows as identified on drawings A4.1 and A7.2:
 - a. Clean joints and replace missing or damaged backer rod.
 - b. Install new sealant as indicated and as specified in Section 07 9200.

PART 2 PRODUCTS - NOT USED**PART 3 EXECUTION - NOT USED****END OF SECTION 01 2300**

SECTION 07 8100 - APPLIED FIRE PROTECTION**PART 1 GENERAL****1.01 SECTION INCLUDES****1.02 SECTION INCLUDES**

- A. Applied fireproofing.
 - 1. Portland cement-based.
 - 2. To be used to repair damaged areas of cementitious fireproofing applied to steel framing and deck areas in a natatorium environment (high moisture).

1.03 REFERENCE STANDARDS

- A. ASTM E605/E605M - Standard Test Methods for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members; 2019 (Reapproved 2023).
- B. ASTM E736/E736M - Standard Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members; 2019 (Reapproved 2023).
- C. ASTM E759/E759M - Standard Test Method for Effect of Deflection on Sprayed Fire-Resistive Material Applied to Structural Members; 1992 (Reapproved 2023).
- D. ASTM E760/E760M - Standard Test Method for Effect of Impact on Bonding of Sprayed Fire-Resistive Material Applied to Structural Members; 1992 (Reapproved 2023).
- E. ASTM E761/E761M - Standard Test Method for Compressive Strength of Sprayed Fire-Resistive Material Applied to Structural Members; 1992 (Reapproved 2020).
- F. ASTM E859/E859M - Standard Test Method for Air Erosion of Sprayed Fire-Resistive Materials (SFRMs) Applied to Structural Members; 2023.
- G. ASTM E937/E937M - Standard Test Method for Corrosion of Steel by Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members; 1993 (Reapproved 2023).
- H. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; 2015, with Editorial Revision (2021).

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate with placement of ceiling hanger tabs, mechanical component hangers, and electrical components.
- B. Preinstallation Meeting: Convene one week before starting work of this section.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittals procedures.
- B. Product Data: Provide data indicating product characteristics.
- C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.
- D. Field Quality Control Submittals: Submit field test reports.
- E. Manufacturer's Qualification Statement.
- F. Installer's Qualification Statement.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than 5 years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least 5 years of documented experience and approved by manufacturer

1.07 MOCK-UP

- A. Construct mock-up, 100 square feet in size.
- B. Conform to project requirements for fire ratings, thickness, and density of application.
- C. Locate where directed.

- D. Examine installation within one hour of application to determine variances from specified requirements due to shrinkage, temperature, and humidity.
- E. Where shrinkage and cracking are evident, adjust mixture and method of application as necessary; remove materials and re-construct mock-up.
- F. Mock-up may remain as part of the Work.

1.08 FIELD CONDITIONS

- A. Review compatability and adhesion with existing cementitious fire proofing to insure performance.
- B. Do not apply fireproofing when temperature of substrate material and surrounding air is below 40 degrees F or when temperature is predicted to be below said temperature for 24 hours after application.
- C. Provide ventilation in areas to receive fireproofing during application and 24 hours afterward, to dry applied material.
- D. Provide temporary enclosure to prevent spray from contaminating air.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Applied Fire Protection:
 - 1. Carboline: www.carboline.com.
 - 2. GCP Applied Technologies: www.gcpat.com.
 - 3. Isolatek International Corp: www.isolatek.com.
 - 4. Substitutions: See Section 01 6000 - Product Requirements.

2.02 MATERIALS

- A. Applied Fireproofing Material For Interior Applications and Exposed to View and Exposed to High Moisture in a Natatorium Setting: Manufacturer's standard factory mixed material, which when combined with water is capable of providing indicated fire resistance, and conforming to following requirements:
 - 1. Composition: Gypsum-based; not mineral-fiber-based.
 - 2. Bond Strength: 150 pounds per square foot, minimum, when tested in accordance with ASTM E736/E736M when set and dry.
 - 3. Dry Density: Minimum average density of 15 lb/cu ft, with minimum individual density of any test sample of 14 lb/cu ft, when tested in accordance with ASTM E605/E605M.
 - 4. Compression: 50 psi, when tested in accordance with ASTM E761/E761M.
 - 5. Effect of Impact on Bonding: No cracking, spalling or delamination, when tested in accordance with ASTM E760/E760M.
 - 6. Corrosivity: No evidence of corrosion, when tested in accordance with ASTM E937/E937M.
 - 7. Air Erosion Resistance: Weight loss of 0.025 g/sq ft, maximum, when tested in accordance with ASTM E859/E859M after 24 hours.
 - 8. Effect of Deflection: No cracking, spalling, or delamination, when tested in accordance with ASTM E759/E759M.
 - 9. Fungal Resistance: No growth after 28 days when tested according to ASTM G21.
 - 10. Products:
 - a. GCP Applied Technologies; Monokote **Z-106 HY**: www.gcpat.com. *****ADD1*****
 - b. Isolatek International; CAFCO ~~300-400~~ www.isolatek.com. *****ADD1*****
 - c. Substitutions: See Section 01 6000 - Product Requirements.
- B. Applied Fireproofing Material for Exposed Applications, and Areas Exposed to Damage and Moisture: Manufacturer's standard factory mixed material, which when combined with water is capable of providing indicated fire resistance, and conforming to following requirements:
 - 1. Composition: Portland cement-based; not mineral fiber-based.

2. Bond Strength: 2,000 psf, minimum, when tested in accordance with ASTM E736/E736M when set and dry.
3. Dry Density: 21 lb/cu ft, minimum, when tested in accordance with ASTM E605/E605M.
4. Compression: 100 psi, when tested in accordance with ASTM E761/E761M.
5. Effect of Impact on Bonding: No cracking, spalling or delamination, when tested in accordance with ASTM E760/E760M.
6. Corrosivity: No evidence of corrosion, when tested in accordance with ASTM E937/E937M.
7. Air Erosion Resistance: Weight loss of 0.025 g/sq ft, maximum, when tested in accordance with ASTM E859/E859M after 24 hours.
8. Fungal Resistance: No growth after 28 days when tested according to ASTM G21.
9. Products:
 - a. GCP Applied Technologies; Monokote Z-106/HY: www.gcpat.com. ***ADD1***
 - b. Isolatak International; CAFCO 400: www.isolatak.com.
 - c. Carboline; Pyrocrete 239: www.carboline.com.
 - d. Substitutions: See Section 01 6000 - Product Requirements.

2.03 ACCESSORIES

- A. Primer Coating: Adhesive or bonding agent of type recommended by applied fireproofing manufacturer and compatible with substrates.
- B. Metal Lath: Expanded metal lath; minimum weight of 3.4 psf, galvanized finish.
- C. Water: Clean, potable.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are ready to receive fireproofing.
- B. Verify that clips, hangers, supports, sleeves, and other items required to penetrate fireproofing are in place.
- C. Verify that ducts, piping, equipment, or other items that would interfere with application of fireproofing have not been installed.
- D. Verify that voids and cracks in substrate have been filled.
- E. Verify that projections have been removed where fireproofing will be exposed to view as a finish material.

3.02 PREPARATION

- A. Perform tests as recommended by fireproofing manufacturer in applications where adhesion of fireproofing to substrate is in question.
- B. Remove incompatible materials that could effect bond by scraping, brushing, scrubbing, or sandblasting.
- C. Prepare substrates to receive fireproofing in strict accordance with instructions of fireproofing manufacturer.
- D. Apply fireproofing manufacturer's recommended bonding agent on primed steel.
- E. Protect surfaces not scheduled for fireproofing and equipment from damage by overspray, fall-out, and dusting.
- F. Close off and seal duct work in areas where fireproofing is being applied.

3.03 APPLICATION

- A. Install metal lath over structural members as indicated or as required by UL Assembly Design Numbers.
- B. Apply primer coating and fireproofing in accordance with manufacturer's instructions.
- C. Apply fireproofing in uniform thickness and density as necessary to achieve required ratings.

3.04 FIELD QUALITY CONTROL

- A. Perform field inspection and testing in accordance with Section 01 4000 - Quality Requirements.
- B. Independent Inspection Agency: Owner will engage a qualified inspection agency to inspect fireproofing installations and perform special inspections as required by code.
- C. Inspections shall include:
 - 1. All special inspections required by code.
 - 2. Inspect installed fireproofing after application and curing for integrity, prior to its concealment.
 - 3. Ensure that actual thicknesses, densities, and bond strengths meet requirements for specified ratings and requirements of authorities having jurisdiction (AHJ).
 - 4. Re-inspection of installed fireproofing for integrity of fire protection, after installation of subsequent Work.
- D. Repair or replace applied fireproofing at locations where test results indicate fireproofing does not meet specified requirements.

3.05 CLEANING

- A. Remove excess material, overspray, droppings, and debris.
- B. Remove fireproofing from materials and surfaces not required to be fireproofed.
- C. At exposed fireproofing, clean surfaces that have become soiled or stained, using manufacturer's recommended procedures.

END OF SECTION 07 8100

SECTION 09 9600 - HIGH-PERFORMANCE COATINGS**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Interior epoxy paints - non-traffic surfaces.
- B. High performance coatings for structural steel, steel joists, and metal decking, including exposed steel lintels.
- C. High performance coatings in natatorium/pool environments.

1.02 DEFINITIONS

- A. Conform to ASTM D16 for interpretation of terms used in this section
- B. DFT: Dry film thickness, measured in mils.
- C. WFT : Wet film thickness, measured in mils.

1.03 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
- B. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2016.
- C. ASTM D1653 - Standard Test Methods for Water Vapor Transmission of Organic Coating Films; 2013.
- D. ASTM D4258 - Standard Practice for Surface Cleaning Concrete for Coating; 2005 (Reapproved 2012).
- E. ASTM D4442 - Standard Test Methods fASTM D3359 or Direct Moisture Content Measurement of Wood and Wood-Based Materials; 2016.
- F. ASTM D523 - Standard Test Method for Specular Gloss; 2014.
- G. ASTM D3359 - Standard Test Methods For Rating Adhesion By Tape Test; current edition.
- H. ASTM E96/E96M - Standard Test Methods of Water Vapor Transmission of Materials - 2016
- I. CAL (CDPH SM) - Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions From Indoor Sources Using Environmental Chambers; California Department of Public Health; v1.1, 2010.
- J. CARB (SCM) - Suggested Control Measure for Architectural Coatings; California Air Resources Board; 2007.
- K. SCAQMD 1113 - South Coast Air Quality Management District Rule No.1113; current edition.
- L. SSPC-SP 1 - Solvent Cleaning; 2015.
- M. SSPC-SP 2 - Hand Tool Cleaning; 1982 (Ed. 2004).
- N. SSPC-SP 6 - Commercial Blast Cleaning; 2007.

1.04 SUBMITTALS

- A. Refer to Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide product data for each coating product. Include complete list of products to be used with preparation and application instructions, and with the following information for each:
 - 1. Manufacturer's name, product name and/or catalog number, and general product category.
 - a. Example of general product categories:
 - 1) Two component, waterbased, acrylic epoxy - Gloss Sheen.
 - 2) Interior primer for concrete masonry units.
 - 2. For each high-performance coating system and substrate, indicate which products are to be used.
 - a. Examples:
 - 1) Interior Waterborne Acrylic Epoxy Paint for Concrete Masonry Units:

- (a) Primer: Name of specific product provided.
 - (b) Finish Coats: Name of specific product provided.
 - 2) Interior High Performance Coating For Structural Steel.
 - (a) Primer: Name of specific product provided.
 - (b) Intermediate Coat: Name of specific product provided.
 - (c) Top Coat: Name of specific product provided.
 - b. Use same designations indicated on Drawings and Schedules.
- C. Samples: Submit 3 samples, 8-1/2 by 11 inches in size, illustrating each color and sheen specified.
 - 1. High-performance coating color submittals will not be considered until color submittals for major materials not to be painted, such as masonry and storefront finishes, have been approved.
 - 2. Existing high-performance coatings in the Natatorium for each type of coating system and in each color and gloss of topcoat indicated:
 - a. Submit Samples on aluminum Q-panel backing, 3" x 6".
 - b. Step coats on Samples to show each coat required for system.
 - c. Label each Sample for location and application area.
- D. Manufacturer's Qualification Statement.
- E. Installer's Qualification Statement.
- F. Maintenance Data: Submit data including finish schedule showing where each product/color/finish was used, product technical data sheets, material safety data sheets (MSDS), care and cleaning instructions, and color samples of each color and finish used.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 6000 - Product Requirements, for additional provisions.
 - 2. Extra Materials: 1 gallon of each color, sheen, and type; from the same product run.
 - 3. Label each container with color, type, and finish in addition to the manufacturer's label.
- H. Field Quality Control Reports.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum 5 years documented experience.
- B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum 5 years documented experience.

1.06 ADHESION TEST

- A. Adhesion Test to be performed per ASTM D3359 Method A (5mils or less) or B (over 5mils)
- B. Test to be completed after primer has been installed but before finish coats.

1.07 MOCK-UPS

- A. See Section 01 4000 - Quality Requirements, for general requirements for mock-up.
- B. Mock-ups shall demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Approval of mockups does not constitute approval of deviations from the Contract Documents unless Architect specifically approves such deviations in writing.
- C. Provide a mock-up for each high-performance coating system, substrate, color and sheen as follows:
 - 1. Vertical and Horizontal Surfaces: Provide mockup samples of at least 100 sq. ft.
 - 2. Doors and Frames: Provide mock-up samples of one complete door and frame.
 - 3. Railings and Other Lineal Materials: Provide mock-up samples of at least 8 lineal feet.
- D. Locate where directed by Architect.
- E. Mock-ups may remain as part of work.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, handle, and store materials in accordance with manufacturer's instructions.

- B. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- C. Container Label: Include manufacturer's name, type of coating, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- D. Coating Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.
- E. Maintain containers in clean condition, free of foreign materials and residue.
- F. Remove rags and waste from storage areas daily.

1.09 FIELD CONDITIONS

- A. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- B. Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the coating product manufacturer.
- C. Do not install materials when temperature is below 55 degrees F or above 90 degrees F.
- D. Maintain this temperature range, 24 hours before, during, and 72 hours after installation of coating.
- E. Comply with governing codes and regulations for paint products being used.

1.10 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Provide high-performance coating products from same manufacturer, unless otherwise specified. For each high performance coating system, provide one of the indicated products for each coating within the system.
 - 1. Exceptions shall be permitted, provided approval of Architect is obtained using specified procedures for substitutions.
- B. High Performance Coating Manufacturers.
 - 1. Benjamin Moore: Benjamin Moore & Co.: www.benjaminmoore.com.
 - 2. PPG: PPG Industries, Inc., Architectural Coatings: www.ppgpaints.com.
 - 3. Sherwin-Williams: The Sherwin-Williams Company: www.sherwin-williams.com.
 - 4. Tnemec: Tnemec Company Inc.: www.tnemec.com.
 - 5. Substitutions: See Section 01 6000 - Product Requirements.

2.02 HIGH-PERFORMANCE COATINGS - GENERAL

- A. Provide epoxy paints and high performance coatings where indicated on Drawings; otherwise provide paints as specified in Sections 09 9113 - Exterior Painting and 09 9123 - Interior Painting.
- B. Natatoriums:
 - 1. Provide epoxy paints and high performance coatings at natatorium/pool environments. This includes, but is not limited to, the following locations and substrates:
 - a. Structural steel, steel joists, and metal decking.
 - b. Concrete masonry units.
 - c. Concrete where indicated on Drawings.
 - d. Miscellaneous non-structural, ferrous metal and galvanized steel.
 - e. Aluminum where indicated on Drawings.
- C. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
- D. Supply each coating material in quantity required to complete entire project's work from a single production run.

- E. Do not reduce, thin, or dilute coatings or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
- F. Volatile Organic Compound (VOC) Content and Emissions:
 - 1. Volatile Organic Compound (VOC) Content:
 - a. Provide paints and finishes that comply with the most stringent requirements specified in the following:
 - 1) 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
 - 2) Architectural coatings VOC limits of State in which the project is located.
 - 2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.
- G. Sheen/Gloss Criteria.
 - 1. Product names are not acceptable as gloss level identification.
 - 2. Determine gloss value of paint finish by testing paint samples according to ASTM D523, using 60 degree geometry. Sheen/Gloss levels shall be defined as follows:
 - a. Gloss Level 1: Flat/Matte, value between 0 and 5 units.
 - b. Gloss Level 2: Velvet, value between 5 and 10 units.
 - c. Gloss Level 3: Eggshell, value between 10 and 20 units.
 - d. Gloss Level 4: Satin, value between 20 and 35 units.
 - e. Gloss Level 5: Semigloss, value between 35 and 70 units.
 - f. Gloss Level 6: Gloss, value between 70 and 85 units.
 - g. Gloss Level 7: High Gloss, value more than 85 units.
 - 3. Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.
- H. Colors: To be selected from manufacturer's full range of available colors

2.03**INTERIOR EPOXY PAINTS - NON-TRAFFIC SURFACES**

- A. General:
 - 1. Excludes the following:
 - a. Structural steel, steel joists, and metal decking.
 - b. Exposed exterior steel lintels.
 - c. Structural steel, steel joists, and metal decking in natatorium/pool environments.
 - d. Concrete masonry units and concrete in natatorium/pool environments.
 - e. Miscellaneous non-structural ferrous metal and galvanized steel in natatorium/pool environments .
- B. Waterborne Acrylic Epoxy Paint - Non-Traffic Systems.
 - 1. Primers: For all sheens unless otherwise indicated.
 - a. Primer for concrete; one coat.
 - 1) Benjamin Moore:
 - (a) Semigloss and Eggshell Sheens: INSL-X Aqua Lock Plus 100 pct Acrylic Primer Sealer, AQ-0XXX; DFT 1.6 mils.
 - 2) PPG; Perma-Crete Interior/Exterior Alkali Resistant Primer, 4-603; DFT 1.5 mils.
 - 3) Sherwin Williams; Loxon Concrete and Masonry Prime/Sealer Interior/Exterior Latex, A24W8300 Series; DFT 2.5 mils.
 - b. Primer for concrete masonry units; one coat.
 - 1) Benjamin Moore; Super Spec Masonry Interior/Exterior Hi-Build Block Filler, 206; DFT 9.0 mils.
 - 2) PPG; Speedhide Interior/Exterior Masonry Hi Fill Latex Block Filler, 6-15; DFT 7.0 mils.
 - 3) Sherwin Williams:
 - (a) Semigloss and Eggshell Sheens: Loxon Block Surfacer A24W00200; DFT 2.5 mils.
 - c. Primer for ferrous metal and galvanized steel; one coat.

- 1) Benjamin Moore; Corotech Acrylic Metal Primer, V110; DFT 2.0 mils.
- 2) PPG; Pitt-Tech Int./Ext. DTM Industrial Primer, 90-712 Series; DFT 3.0 mils.
- 3) Sherwin Williams; Pro Industrial Pro-Cryl Universal Primer, B66W310 Series; DFT 3.0 mils.
- d. Primer for gypsum board; one coat.
 - 1) Benjamin Moore; Fresh Start Natura Zero VOC Primer, 511; DFT 1.2 mils.
 - 2) PPG; Pure Performance Interior Latex Primer - 9-900; DFT 1.4 mils.
 - 3) Sherwin Williams; ProMar 200 Zero VOC Interior Latex Primer, B28W02600; DFT 1.0 mils.
- e. Primer for previously painted surfaces; one coat.
 - 1) Benjamin Moore; Fresh Start High-Hiding All Purpose Primer, 046; DFT 1.4 mils.
 - 2) PPG; Seal Grip Interior/Exterior Acrylic Universal Primer/Sealer, 17-921 Series; DFT 1.6 mils.
 - 3) Sherwin Williams; PrepRite ProBlock Interior/Exterior Latex Primer/Sealer, B51-600 Series; DFT 1.4 mils.
- f. Primer for insulated piping and insulated ductwork; one coat.
 - 1) Benjamin Moore; Fresh Start High-Hiding All Purpose Primer, 046; DFT 1.4 mils.
 - 2) PPG; Seal Grip Interior/Exterior Acrylic Universal Primer/Sealer, 17-921 Series; DFT 1.6 mils.
 - 3) Sherwin Williams; PrepRite ProBlock Interior/Exterior Latex Primer/Sealer, B51-600 Series; DFT 1.4 mils.
2. Semigloss Sheen: One component, pre-catalyzed, waterbased, acrylic epoxy.
 - a. Finish coats for all surfaces; two coats.
 - 1) Benjamin Moore; Corotech Pre-Catalyzed Waterborne Epoxy Semi-Gloss, V341; DFT 1.5 mils
 - 2) PPG; Pitt-Glaze WB1 Interior Semi-Gloss Pre-Catalyzed Water-Borne Acrylic Epoxy, 16-510 Series; DFT 2.0 mils.
 - 3) Sherwin Williams; Pro Industrial Pre-Catalyzed Waterbased Epoxy, K46-150 Series, Semi-Gloss; DFT 1.5 mils.

2.04 HIGH PERFORMANCE COATINGS FOR STRUCTURAL STEEL, METAL DECKING, AND STEEL JOISTS

A. General:

1. Includes interior high performance coatings for the following:
 - a. Handrails and guardrails.
 - b. Structural steel, steel joists, and metal decking in natatorium/pool environments.
 - c. Miscellaneous non-structural, ferrous metal and galvanized steel in natatorium/pool environments.
 - d. Exposed steel lintels in natatorium/pool environments.

B. Steel Coating Systems.

1. Primer; one coat.
 - a. Zinc-rich primer.
 - 1) Locations:
 - (a) Natatorium/pool environments.
 - (b) Wet areas.
 - (c) Galvanized steel.
 - (d) Other areas as indicated.
 - 2) Primer:
 - (a) Benjamin Moore; Corotech Organic Zinc Rich Primer, V170; DFT 2.0 mils.
 - (b) PPG; Aquapon 97-670 Series; DFT 4.0 mils.
 - (c) Sherwin Williams; Protective and Marine Coatings Zinc Clad IV (85) Organic Zinc Rich Coating; DFT 4.0 mils.
 - (d) Tnemec; Tneme-Zinc Series 90-97; DFT 3.0 mils.
 - b. Epoxy primer.

- 1) Locations:
 - (a) Where zinc-rich primer is not required.
- 2) Primer:
 - (a) Benjamin Moore; Corotech Polyamide Epoxy Primer V150; DFT 2.5 mils.
 - (b) PPG; PMC Amercoat 278 High Solids, Zinc Phosphate Epoxy Primer and Buildcoat; DFT 5.0 mils.
 - (c) Sherwin Williams; Protective and Marine Coatings Macropoxy 5000 Penetrating Epoxy Primer/Sealer, B58 Series; DFT 1.5 mils.
 - (d) Tnemec; Hi-Build Epoxoline Series 66; DFT 4.0 mils.
- c. Primer at previously painted surfaces:
 - 1) Benjamin Moore; Corotech Polyamide Epoxy Primer V150; DFT 2.5 mils.
 - 2) PPG; PMC Amercoat 278 High Solids, Zinc Phosphate Epoxy Primer and Buildcoat; DFT 5.0 mils.
 - 3) Sherwin Williams; Protective and Marine Coatings Macropoxy 5000 Penetrating Epoxy Primer/Sealer, B58 Series; DFT 1.5 mils.
 - 4) Tnemec; Hi-Build Epoxoline Series 66; DFT 4.0 mils.
2. Intermediate Coat; one coat, polyamide epoxy.
 - a. Benjamin Moore; Corotech Surface Tolerant Epoxy Mastic Coating, V160; DFT 6.0 mils.
 - b. PPG; Pittguard 97-145 Series; DFT 6.0 mils.
 - c. Sherwin Williams; Protective and Marine Coatings Macropoxy 646 Fast Cure Epoxy; DFT 7.5 mils.
 - d. Tnemec; F.C. Typoxy Series 27; DFT 5.0 mils.
3. Top Coat; one coat, semi-gloss sheen, aliphatic acrylic polyurethane.
 - a. Benjamin Moore; Corotech Aliphatic Acrylic Urethane Semi-Gloss, V510; DFT 2.5 mils.
 - b. PPG; Pitthane 95-8800 Series; DFT 4.0 mils.
 - c. Sherwin Williams; HI-Solid Polyurethane 250, Semi-Gloss; DF 5.0 mils.
 - d. Tnemec; Endura-Shield Series 73; DFT 4.0 mils.

2.05 HIGH PERFORMANCE COATINGS IN NATATORIUMS

- A. Structural steel, steel joists, and metal decking, including exposed steel lintels:
 1. Refer to "High Performance Coatings For Structural Steel, Metal Decking, and Steel Joists" Article above.
- B. Existing structural steel, steel joists, and metal decking, including exposed steel lintels:
 1. Basis of Design: Tnemec Company, Inc., 6800 Corporate Drive, Kansas City, MO 64120.
 - a. Product Distribution and Technical Representation:
 - 1) Redox Coating Consultants, LLC (800) 890-7580 redox@tnemec.com
 - b. Substitutions: Not Permitted.
 2. Primer:
 - a. Tnemec; Tnemec-Zinc Series 90-97; DFT 3.0 mils 133 Protuff Aluminum, Formulation Description: Phenalkamide Aluminum Epoxy Mastic.
 3. Intermediate Coat:
 - a. HP Acrylic Intermediate Coat, Acrylic, Hydrophobic
 - 1) Tnemec Series 115 Uni-Bond DF
 - 2) Formulation Description: Self-Crosslinking Hydrophobic Acrylic
 4. Top Coat:
 - a. HP Acrylic Finish Coat, Acrylic, Hydrophobic
 - 1) Tnemec Series 115 Uni-Bond DF
 - 2) Formulation Description: Self-Crosslinking Hydrophobic Acrylic
- C. Concrete Masonry Units and Concrete, **and Cementitious Plaster: **ADD1****
 1. Primer:
 - a. Primer for concrete masonry units; one coat.

- 1) Benjamin Moore; Corotech, Waterborne Epoxy Block Filler, V163; DFT 10.0 mils.
- 2) PPG; Cementitious Waterproofing Block Filler, 95-217; DFT 12.5 mils.
- 3) Sherwin Williams; Protective and Marine Coatings, Kem Cati-Coat HS Epoxy Filler/Sealer, B42 Series; DFT 15.0 mils.
- 4) Tnemec; Envriofill Series 130; Coverage rate 70 sq. ft. per gallon.
- b. Primer for concrete and **cementitious plaster **ADD1****; one coat.
 - 1) Benjamin Moore; Corotech 100 pct Solids Epoxy Pre-Primer V155; DFT 2.5 mils.
 - 2) PPG; HPC High Gloss Epoxy 95-501 Series; DFT 4.0 mils.
 - 3) Sherwin Williams; Pro Industrial High Performance Epoxy, B67 Series; DFT 6.0 mils.
 - 4) Tnemec; Surfacing Epoxy, Series 215; DFT 3.0 mils.
- c. Primer for previously painted surfaces; one coat.
 - 1) Benjamin Moore; Corotech 100 pct Solids Epoxy Pre-Primer V155; DFT 2.5 mils.
 - 2) PPG; HPC High Gloss Epoxy 95-501 Series; DFT 4.0 mils.
 - 3) Sherwin Williams; Pro Industrial High Performance Epoxy, B67 Series; DFT 6.0 mils.
 - 4) Tnemec; Surfacing Epoxy, Series 215; DFT 3.0 mils.
2. Intermediate Coat; one coat.
 - a. Benjamin Moore; Corotech Surface Tolerant Epoxy Mastic Coating, V160; DFT 6.0 mils.
 - b. PPG; Aquapon 97-130 Series; DFT 5.0 mils.
 - c. Sherwin Williams; Protective and Marine Coatings Macropoxy 646 Fast Cure Epoxy; DFT 7.5 mils.
 - d. Tnemec; Hi-Build Epoxoline II Series L69; DFT 5.0 mils.
3. Top Coat; one coat.
 - a. Benjamin Moore; Corotech Aliphatic Acrylic Urethane Semi-Gloss, V510; DFT 2.5 mils.
 - b. PPG; Pitthane 95-8800 Series; DFT 4.0 mils.
 - c. Sherwin Williams; Protective and Marine Coatings Acrolon 218 HS Acrylic Polyurethane, Semi-gloss; DFT 5.0 mils.
 - d. Tnemec; Enviro-Glaze Series 297; DFT 3.0 mils.
- D. Miscellaneous Non-Structural, Ferrous Metal and Galvanized Steel:
 1. Primers:
 - a. Zinc-rich primer.
 - 1) Locations:
 - (a) Galvanized steel.
 - (b) Other areas as indicated.
 - 2) Primer:
 - (a) Benjamin Moore; Corotech Organic Zinc Rich Primer, V170; DFT 2.0 mils.
 - (b) PPG; Aquapon 97-670 Series; DFT 4.0 mils.
 - (c) Sherwin Williams; Protective and Marine Coatings Zinc Clad IV (85) Organic Zinc Rich Coating; DFT 4.0 mils.
 - (d) Tnemec; Tneme-Zinc Series 90-97; DFT 3.0 mils.
 - b. Epoxy Primer; one coat.
 - 1) Locations:
 - (a) Where zinc-rich primer is not required.
 - 2) Primer:
 - (a) Benjamin Moore; Corotech Polyamide Epoxy Primer V150; DFT 2.5 mils.
 - (b) PPG; PMC Amercoat 278 High Solids, Zinc Phosphate Epoxy Primer and Buildcoat; DFT 5.0 mils.

- (c) Sherwin Williams; Protective and Marine Coatings Macropoxy 5000 Penetrating Epoxy Primer/Sealer, B58 Series; DFT 1.5 mils.
 - (d) Tnemec; Hi-Build Epoxoline Series 66; DFT 4.0 mils..
 - c. Primer for previously painted surfaces: one coat.
 - 1) Benjamin Moore: Corotech Polyamide Epoxy Primer V150; DFT 2.5 mils.
 - 2) PPG; PMC Amercoat 278 High Solids, Zinc Phosphate Epoxy Primer and Buildcoat; DFT 5.0 mils.
 - 3) Sherwin Williams; Protective and Marine Coatings Macropoxy 5000 Penetrating Epoxy Primer/Sealer, B58 Series; DFT 1.5 mils.
 - 4) Tnemec; Hi-Build Epoxoline Series 66; DFT 4.0 mils..
 - 2. Intermediate Coat; one coat.
 - a. Benjamin Moore; Corotech Surface Tolerant Epoxy Mastic Coating, V160; DFT 6.0 mils.
 - b. PPG; Aquapon 97-130 Series; DFT 5.0 mils.
 - c. Sherwin Williams; Protective and Marine Coatings Macropoxy 646 Fast Cure Epoxy; DFT 7.5 mils.
 - d. Tnemec; F.C. Typoxy Series 27; DFT 5.0 mils.
 - 3. Top Coat; one coat.
 - a. Benjamin Moore; Corotech Aliphatic Acrylic Urethane Semi-Gloss, V510; DFT 2.5 mils.
 - b. PPG; Pitthane 95-8800 Series; DFT 4.0 mils.
 - c. Sherwin Williams; Protective and Marine Coatings Acrolon 218 HS Acrylic Polyurethane, Semi-gloss; DFT 5.0 mils.
 - d. Tnemec; Endura-Shield Series 73; DFT 4.0 mils..

2.06 ACCESSORY MATERIALS

- A. Accessory Materials: Provide sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of high-performance coated surfaces.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin application of high performance coatings until substrates have been properly prepared.
- B. Verify that surfaces are ready to receive work as instructed by product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- D. Test shop-applied primer for compatibility with subsequent cover materials; report incompatible primer conditions and submit recommended changes for Architect's approval.
 - 1. Do not proceed with remedial action or change without receiving written authorization from Architect.
- E. Measure moisture content of surfaces using electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below following maximums:
 - 1. Interior Materials:
 - a. Gypsum Wallboard: 12 percent.
 - b. Masonry, Concrete, and Concrete Masonry Units: 12 percent.
 - 2. Report unacceptable conditions and submit recommended remedial action for Architect's approval.
 - a. Do not proceed with remedial action or change without receiving written authorization from Architect.
- F. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

3.02 PREPARATION

- A. General:

1. Clean surfaces thoroughly and correct defects prior to application.
 2. Prepare surfaces using the methods recommended by the top coat manufacturer for achieving the best result for the substrate under the project conditions.
 3. Remove or repair existing paints or finishes that exhibit surface defects.
 4. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces for finishing.
 - a. After work is completed, reinstall removed items.
 5. Seal surfaces that might cause bleed through or staining of topcoat.
 6. Remove mildew from impervious surfaces by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
 7. Adhesion Test to be performed per ASTM D3359 Method A (5mils or less) or B (over 5mils) of primer. Adhesion test to be performed on primer.
- B. Concrete - Non-Traffic Surfaces:
1. Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.
 2. Clean concrete according to ASTM D4258. Allow to dry.
- C. Masonry:
1. Remove efflorescence and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces or if alkalinity of mortar joints exceed that permitted in manufacturer's written instructions. Allow to dry.
- D. Gypsum Board:
1. Interior:
 - a. Fill minor defects with filler compound; make smooth and flush with adjacent surfaces.
 - b. Spot prime defects after repair.
- E. Ferrous Metal - Non-galvanized:
1. Solvent clean according to SSPC-SP 1.
 2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces.
 - a. Re-prime entire shop-primed item.
 3. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning." Protect from corrosion until coated.
- F. Galvanized Surfaces:
1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
 2. Remove loose paint and other debris according to SSPC-SP 2.
- G. Previously Painted Existing Surfaces:
1. Remove all loose paint, dust, dirt, mold, mildew, oil, grease, rust, loose mill scale, mortar, and any other surface contamination.
 2. Scrape all loose, blistered, peeling, scratched or otherwise imperfect paint down to bare substrate and sand adjacent tightly adhering paint to feather edge.
 - a. Tightly adhered existing paint may remain unless primer manufacturer recommends removal.
 3. Test for proper primer adhesion, as defined by the primer manufacturer, prior to proceeding with application of high performance coatings.
 - a. Notify Architect of improper adhesion results; do not proceed with work until additional instructions are received from Architect.
 4. Spot prime all bare areas with appropriate primer before re-priming entire surface.
- H. Existing Steel in Natatorium

1. Steel Substrates: Remove rust, loose mill scale, and disbanded or incompatible shop primer if any. Clean using methods recommended in writing by paint manufacturer, but not less than the following:
 - a. SSPC-SP WJ-4/NACE WJ-4 Light Cleaning by use of Low Pressure Water Cleaning (LP WC) between 3,500 and 5,000 psi using a 0 degree rotating nozzle used in conjunction with either Holdtite 102 or Chlor*Rid.
 - b. If all visible contaminates, loose mill scale, loose rust and other corrosion products, and loose paint have not been removed, SSPC-SP2 Hand Tool Cleaning or SSPC-SP3 Power Tool Cleaning should be employed until the surface cleanliness definition is met.

3.03 APPLICATION - HIGH PERFORMANCE COATINGS

- A. Apply products in accordance with manufacturer's written instructions.
- B. Provide smooth, opaque coatings of uniform finish, color, appearance, and coverage without brush marks, runs, sags, laps, ropiness, holidays, spotting, cloudiness, or other surface imperfections.
- C. Terminate high performance coatings in neat lines.
- D. 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. If undercoats or other conditions show through final coat, apply additional coats until cured film has a uniform coating finish, color, and appearance.
- E. Apply high performance coatings to properly prepared surfaces.
 1. Do not apply coatings over dirt, rust, scale, grease, moisture, or other conditions detrimental to application of coatings
- F. Primers:
 1. Apply first coat of primer to surfaces as soon as practical after preparation and before subsequent surface deterioration.
 2. Re-prime shop-primed surfaces.
- G. Do not apply succeeding coats until previous coat has cured as recommended by manufacturer.
- H. Provide completed work matching approved samples for color, sheen, texture, coverage and quality of work.
 1. Remove, refinish, or reapply work not complying with requirements.
- I. Where adjacent sealant is to be painted, do not apply finish coats until sealant is applied.
- J. Use applicators and methods best suited for substrate and type of material being applied and according to manufacturer's instructions.
 1. Brush Application: Use brushes best suited for type of material applied; use brush of appropriate size for surface or item being painted; produce results free of visible brush marks.
 2. Roller Application: Use rollers of fiber type and nap length as recommended by manufacturer for material and texture required.
 3. Spray Application: Use airless spray equipment with orifice size as recommended by manufacturer for material and texture required.
- K. Number of Coats: Each high performance coatings system specifies a number of coats. This is the minimum number required.
 1. If undercoats, stains, or other imperfections are visible after final coat of high performance coatings is applied, apply additional coats until high performance coating is of uniform finish, color, and appearance without defects or imperfections.
- L. Minimum Coating Thickness: Provide dry film thickness for each coat as indicated, but not less than that recommended by the coating manufacturer.

1. Number of coats and film thicknesses required are same regardless of application method.
2. Ensure edges, corners, crevices, welds, and exposed fasteners receive dry film thickness equivalent to that of flat surfaces.

3.04 SURFACES TO BE PAINTED

- A. Refer to Section 09 9123 - Interior Painting for interior items.

3.05 SURFACES NOT TO BE PAINTED

- A. Refer to Section 09 9123 - Interior Painting for interior items.

3.06 IDENTIFICATION AND COLOR CODING

- A. Refer to Section 09 9100 - Painting.

3.07 FIELD QUALITY CONTROL

- A. Owner may provide field inspection.
- B. Adhesion Test to be performed per ASTM D3359 Method A (5mils or less) or B (over 5mils)
- C. All high performance coatings shall be inspected as follows:
1. Coatings shall be rejected for the following:
 - a. Lacking minimum dry film thicknesses.
 - 1) Inspector may test for proper dry film thickness using methods as recommended by the inspector.
 - b. Poor coverage at rivet heads, plate edges, lap joints, crevices, pockets, and corners.
 - c. Damage from touching, or disturbing paint in any other manner, before sufficiently dry.
 - d. Damage from application to moist surfaces or damage caused by inadequate protection from the weather.
 - e. Damage or contamination of paint from blown contaminants including but not limited to dust.
 2. Coatings shall be rejected if any of the following are evident under natural lighting for exterior surfaces and final lighting source, including daylighting, for interior surfaces:
 - a. Visible defects are evident on vertical surfaces when viewed at normal viewing angles from a distance of not less than 48 inches.
 - b. Visible defects are evident on horizontal surfaces when viewed at normal viewing angles from a distance of not less than 48 inches.
 - c. Visible defects are evident on ceiling, soffit and other overhead surfaces when viewed at normal viewing angles from a distance of not less than 48 inches.
- D. Visible defects are defined as follows:
1. Brush and roller marks, streaks, laps, runs, sags, drips, heavy stippling, hiding or shadowing by inefficient application methods, skipped or missed areas, and foreign materials in paint coatings.
 2. When the final coat on any surface exhibits a lack of uniformity of color, sheen, texture, and hiding across full surface area.
- E. Coatings rejected by the inspection shall be repaired or replaced at the expense of the Contractor.
1. Small affected areas shall be touched up.
 2. Large affected areas shall be repainted.
 3. Small and large areas shall be as defined by the Architect.
 4. Areas without sufficient dry film thickness shall be repainted.
 5. Paint runs and sags shall be removed by scraper or sanding and repainted.

3.08 CLEANING

- A. At end of each workday, remove empty cans, rags, and other discarded paint materials from site.
1. Collect waste material which may constitute fire hazard, place in closed metal containers, and remove daily from site.

2. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

3.09 PROTECTION

- A. Protect other work, whether being painted or not, against damage from high performance painting activities.
 1. Correct damage by cleaning, repairing, replacing as approved by Architect
- B. Protect finishes until completion of project.
- C. Touch-up damaged finishes after Substantial Completion.

END OF SECTION 09 9600

SECTION 10 2113.19 - PLASTIC TOILET COMPARTMENTS*****ADD1*******PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Solid plastic toilet compartments.
- B. Urinal screens.

1.02 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023d.
- C. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- D. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth; 2024.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the work with placement of support framing and anchors in walls and ceilings.
 - 2. Coordinate the work with floor drain locations.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on panel construction, hardware, and accessories.
- C. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall and floor supports, door swings.
 - 1. Indicate reinforcement locations for partition-mounted grab bars and surface-mounted toilet accessories.
 - 2. Show floor drain locations.
- D. Samples:
 - 1. Submit 3 samples of partition panels, 6 by 6 inch in size illustrating panel finish, color, and sheen.
 - 2. Submit 3 sample sets of hardware and accessories indicating material and finish; each set to include door latch, hinge, and panel bracket.
- E. Selection Samples: Where colors and finishes are not specified, submit 3 sets of color and finish selection charts or chips.
- F. Test Reports: Show compliance to specified surface burning characteristics requirements.
- G. Maintenance Data: Include data on regular cleaning.
- H. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 6000 - Product Requirements, for additional provisions.
 - 2. Door Hinges: Quantity equal to 2 percent of total installed, but not less than 4; including fasteners.
 - 3. Door Latch, Strike, and Keeper: Quantity equal to 2 percent of total installed, but not less than 4; including fasteners.
 - 4. Door Bumper: Quantity equal to 2 percent of total installed, but not less than 4; including fasteners.
 - 5. Door Pull: Quantity equal to 2 percent of total installed, but not less than 2; including fasteners.
 - 6. Fasteners: Quantity equal to 2 percent of each fastener type and size installed, but not less than 10 fasteners of each type and size.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum 5 years of documented experience.

- B. Installer Qualifications: Company experienced in installing the products specified in this section with minimum 5 years documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package partition panels and material as required to prevent damage before installation.

1.07 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide 15 year warranty against defects in workmanship and materials, including breakage, and corrosion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Solid Plastic Toilet Compartments:
 - 1. Accurate Partitions Corp., an ASI Group company: www.accuratepartitions.com.
 - 2. All American Metal Corp - AAMCO: www.allamericanmetal.com.
 - 3. Bradley Corporation: www.bradleycorp.com.
 - 4. Flush Metal Partitions, LLC: www.flushmetal.com.
 - 5. General Partitions Mfg. Corp: www.generalpartitions.com.
 - 6. Global Partitions Corp., an ASI Group company: www.globalpartitions.com.
 - 7. Hadrian Inc.: www.hadrian-inc.com.
 - 8. Knickerbocker Partition Corp.: www.knickerbockerpartition.com.
 - 9. Scranton Products: www.scrantonproducts.com.
 - 10. Substitutions: Section 01 6000 - Product Requirements.

2.02 SOLID PLASTIC TOILET COMPARTMENTS

- A. Solid Plastic Toilet Compartments: Factory fabricated doors, pilasters, and divider panels made of solid molded high density polyethylene (HDPE), tested in accordance with NFPA 286; floor-mounted headrail-braced.
 - 1. Accessibility: Comply with ICC A117.1 and ADA Standards.
 - 2. Surface Burning Characteristics:
 - a. Class B per ASTM E84; flame spread 75, maximum, and smoke developed 450, maximum.
 - 3. Color: Two standard colors as selected by Architect.
- B. Doors:
 - 1. Thickness: 1 inch.
 - 2. Width: 24 inch, unless otherwise indicated .
 - 3. Width for Handicapped Use: 36 inch, out-swinging, unless otherwise indicated.
 - 4. Height: 55 inch.
- C. Panels:
 - 1. Thickness: 1 inch.
 - 2. Height: 55 inch.
 - 3. Widths: As indicated.
- D. Pilasters:
 - 1. Thickness: 1 inch.
 - 2. Width: As required to fit space; minimum 3 inch.
- E. Urinal Screens: Wall mounted with continuous panel brackets.
 - 1. Construction: Same as panels.
 - 2. Width: 24 inches, unless otherwise indicated.
 - 3. Height: 42 inches, unless otherwise indicated.

2.03 ACCESSORIES

- A. Heat-Sink Strip: Manufacturer's standard continuous, stainless steel strip fastened to exposed bottom edges of doors, panels, and urinal screens.
- B. Pilaster Shoes: Stainless steel, Type 304, satin finish, 3 inches high; concealing floor fastenings.

1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
- C. Head Rails: Stainless steel, anti-grip profile.
 1. Size: 1 inch by 1-1/2 inch.
- D. Wall, Pilaster, and Urinal Screens Brackets: Stainless steel; continuous type.
- E. Attachments, Screws, and Bolts: Stainless steel, tamper proof type.
 1. For attaching panels and pilasters to brackets: Through-bolts and nuts; tamper proof.
- F. Door Hardware: Stainless steel; satin finish; heavy-duty type.
 1. Hinges:
 - a. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
 2. Door Latch: Slide type with exterior emergency access feature.
 3. Door Strike and Keeper with Rubber Bumper: Mount on pilaster in alignment with door latch.
 4. Provide door pull for outswinging doors.
 5. Coat Hook with Rubber Bumper: One per compartment, mounted on door.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify correct spacing of and between plumbing fixtures.
- C. Verify correct location of built-in framing, anchorage, and bracing.

3.02 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 inch to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Align tops of doors and panels.
- D. Attach panel brackets securely to walls using anchor devices.
- E. Wall fasteners shall be located at masonry and tile joints; do not penetrate masonry or tile faces.
- F. Align wall brackets and pilaster brackets.
- G. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.
- H. Field touch-up of scratches or damaged finish will not be permitted. Replace damaged or scratched materials with new materials.

3.03 TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

3.04 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.
- B. Adjust hinges to position doors in partial opening position when unlatched. Return outswinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

END OF SECTION 10 2113.19

SECTION 10 5126 - PLASTIC LOCKERS*****ADD1*******PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Solid plastic lockers.

1.02 RELATED REQUIREMENTS

- A. Section 06 1000 - Rough Carpentry: Wood base construction.
- B. Section 06 1000 - Rough Carpentry: Wood blocking and nailers.

1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023d.
- C. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- D. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth; 2024.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's published data on locker construction, sizes and accessories.
- C. Shop Drawings: Indicate locker plan layout, numbering plan and combination lock code.
- D. Samples: Submit two samples 3 by 6 inches in size, of each color scheduled.
- E. Manufacturer's Installation Instructions: Indicate component installation assembly.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Protect locker finish and adjacent surfaces from damage.

PART 2 PRODUCTS**2.01 MANUFACTURERS**

- A. Solid Plastic Lockers:
 - 1. ASI Storage Solutions: www.asi-storage.com/#sle.
 - 2. Columbia Lockers, a division of PSiSC; PolyLife Lockers: www.psisc.com/#sle.
 - 3. List Industries, Inc: www.listindustries.com/#sle.
 - 4. Scranton Products: www.scrantonproducts.com/#sle.

2.02 LOCKER APPLICATIONS

- A. L-1 Athletic Natatorium: Solid plastic lockers, wall mounted for base indicated on drawings.
 - 1. Accessibility: Comply with ICC A117.1 and ADA Standards.
 - 2. Width: 15 inches.
 - 3. Depth: 15 inches.
 - 4. Height: 60 inches.
 - 5. Locker Configuration: Four tier.
 - 6. Fittings: Size and configuration as indicated on drawings.
 - a. Hooks: Two double prong.
 - 7. Ventilation: Perforated side panels and doors.
 - 8. Locking: Padlock hasps, for padlocks provided by Owner.
 - a. Built in digital keypad locks at locations noted on drawings.
 - 9. Provide sloped tops
- B. L-2 Athletic Natatorium: Solid plastic lockers, wall mounted for base indicated on drawings.
 - 1. Accessibility: Comply with ICC A117.1 and ADA Standards.
 - 2. Width: 15 inches.
 - 3. Depth: 15 inches.
 - 4. Height: 60 inches.
 - 5. Locker Configuration: Two tier.
 - 6. Fittings: Size and configuration as indicated on drawings.

7. Ventilation: Perforated side panels and doors.
8. Locking: Padlock hasps, for padlocks provided by Owner.
9. Provide sloped tops.

2.03 SOLID PLASTIC LOCKERS

- A. Lockers: Factory assembled, made of solid plastic panels, tested in accordance with NFPA 286, homogenous color throughout.
 1. Material: Solid high density polyethylene (HDPE).
 2. Doors: Full overlay without frame.
 3. Locker Body Construction: Manufacturer's standard for selected product.
 4. Where locker ends or sides are exposed, provide same finish as fronts or provide extra panels to match fronts.
 5. Provide filler strips where indicated, securely attached to lockers.
 6. Door Color: To be selected by Architect.
 7. Body Color: Manufacturer's standard white or light color.
- B. Component Thicknesses:
 1. Doors: 1/2 inch minimum thickness.
 2. End Panels and Filler Panels: 1/2 inch minimum thickness.
 3. Sloped Tops: 1/2 inch minimum thickness.
 4. Toe Kick Plates: 1/2 inch minimum thickness.
- C. Hinges: Full height of locker, manufacturer's standard heavy duty type.
- D. Coat Hooks: High impact plastic.
- E. Number Plates: Provide rectangular shaped aluminum plates. Form numbers ____ inch high of block font style with ADA designation, in contrasting color.
- F. Built-In Combination, Digital Keypad, Key, and Mechanical Push Button Locks:
 1. Built-In Digital Keypad Lock: Battery-powered lock with alphanumeric keypad for 4-digit access code; optional access with programming, manager bypass, or user key.
 - a. Latch: Deadbolt.
 - b. Permanent access with assigned access code.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that prepared bases are in correct position and configuration.

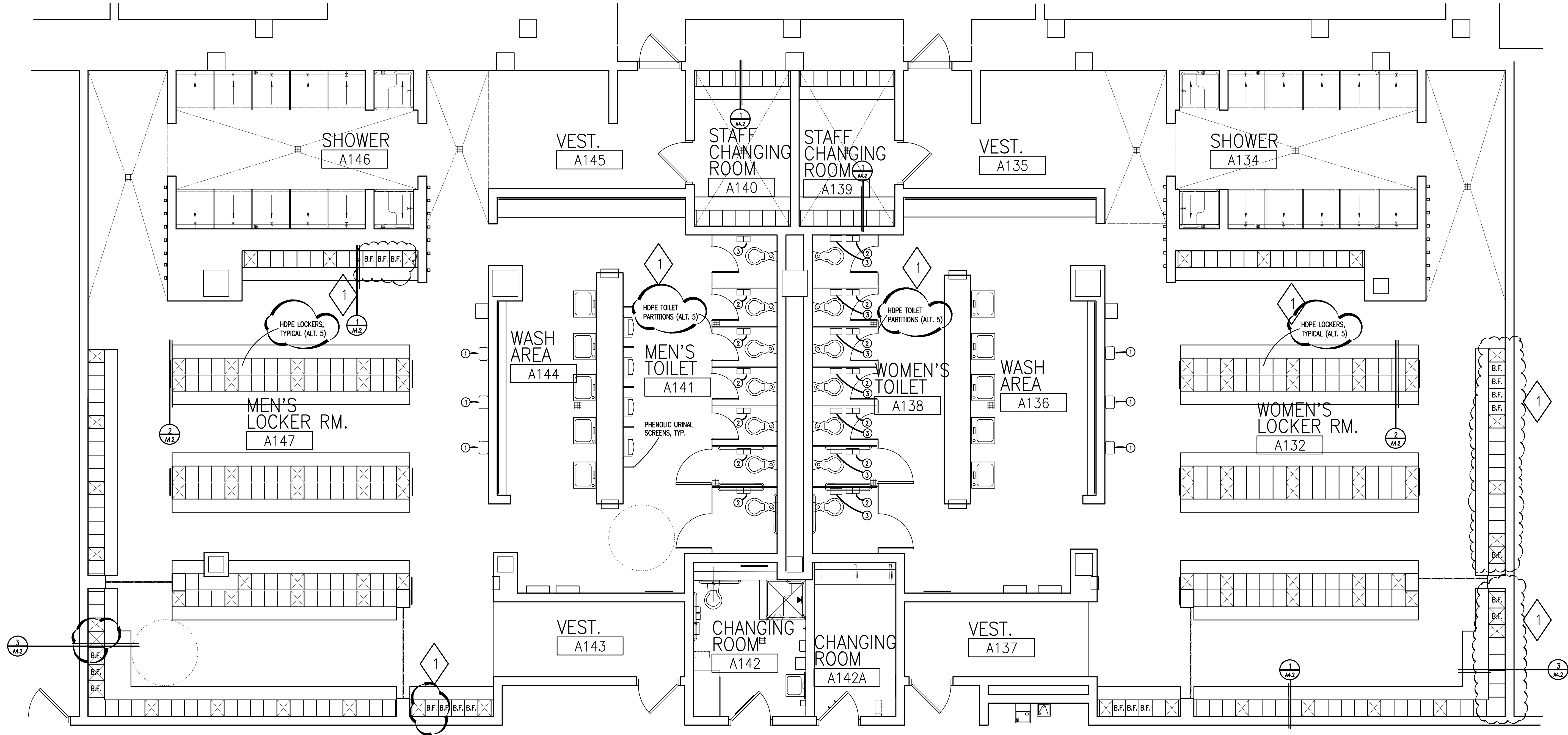
3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Place and secure on prepared base.
- C. Install lockers plumb and square.
- D. Install end panels, filler panels, and sloped tops.
- E. Install fittings if not factory installed.
- F. Replace components that do not operate smoothly.

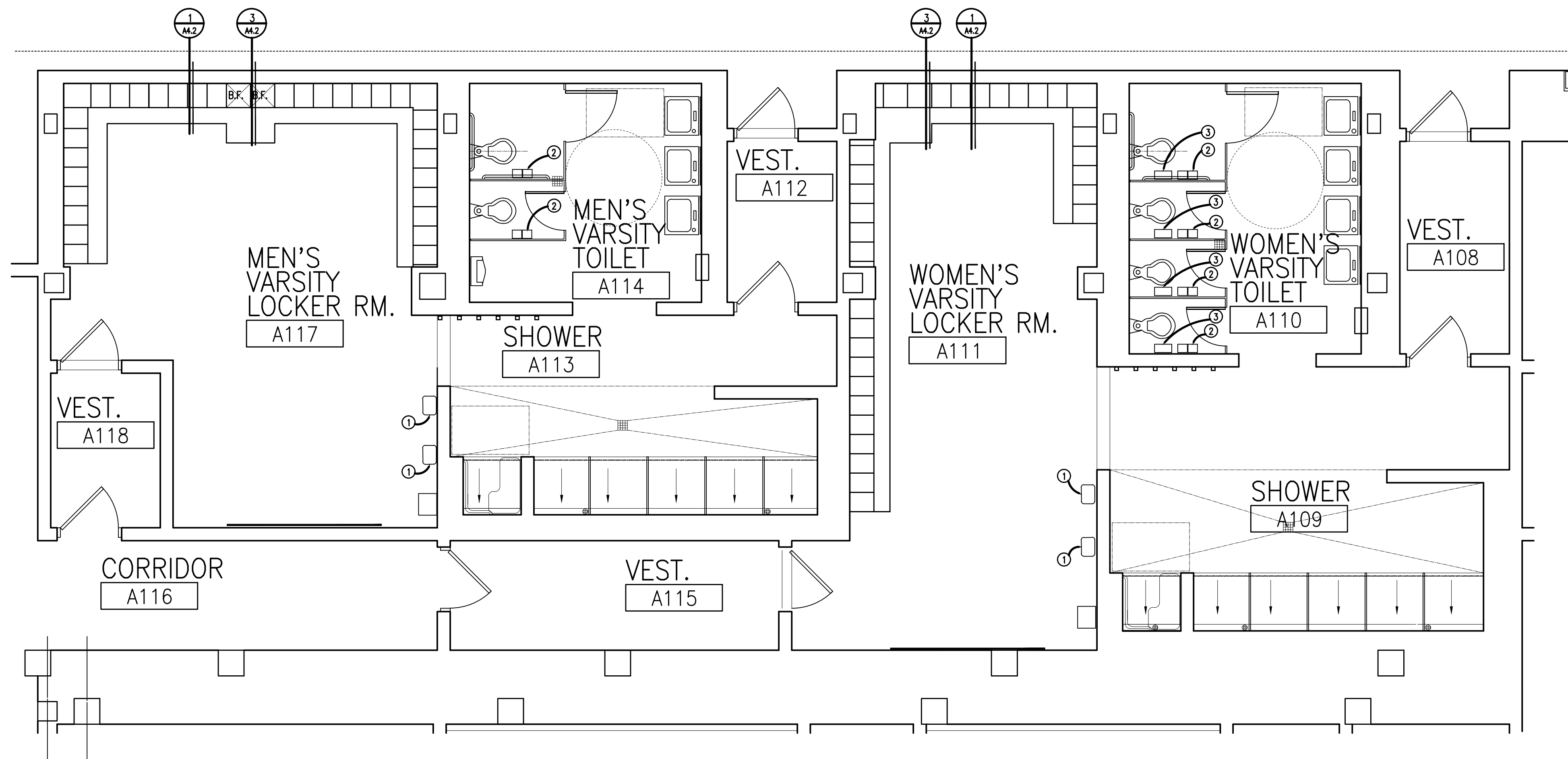
3.03 CLEANING

- A. Clean locker interiors and exterior surfaces.

END OF SECTION 10 5126



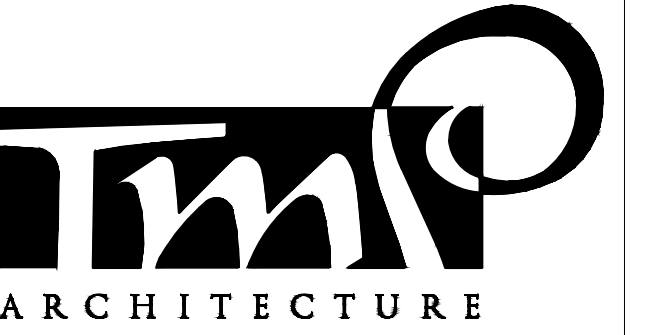
1 LEVEL 897' - RECREATION CENTER LOCKER ROOMS
SCALE: 1/4" = 1'-0"



2 LEVEL 897' - VARSITY LOCKER ROOMS
SCALE: 1/4" = 1'-0"

ACCESSORIES LEGEND	
①	SURFACE-MOUNTED WARM-AIR HAIR DRYER TO BE INSTALLED IN LOCATION OF EXISTING HAIR DRYER OR HAIR DRYER.
②	SURFACE-MOUNTED, DOUBLE ROLL, TOILET PAPER HOLDER
③	SURFACE-MOUNTED, SANITARY NAPKIN DISPOSAL UNIT
GENERAL NOTES	
A. MOUNTING HEIGHTS AND POSITIONING SHALL BE AS INDICATED ON GENERAL INFORMATION SHEET (TG-1) U.O.N.	
LOCKER SYMBOL LEGEND	
A	12" x 15" x 60" SINGLE TIER (L-1)
⊗	12" x 15" x 60" DOUBLE TIER (L-2)
B.F.	12" x 15" x 60" SINGLE TIER (L-3) BARRIER FREE
B.F.	15" x 15" x 60" DOUBLE TIER (L-4) BARRIER FREE

NOTE: ALL NEW TOILET ACCESSORIES TO BE OWNER PROVIDED, OWNER INSTALLED. EXISTING GRAB BARS, SOAP DISPENSERS, AND OTHER TOILET ACCESSORIES TO REMAIN U.N.O.



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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE

**Aquatic Center
Renovation 2027**

**Oakland University
Rochester, Michigan**

DRAWING TITLE

**ENLARGED FLOOR
PLANS**

ISSUE DATES

1	08-07-2026	ADDENDUM 1
2	07-30-2026	CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN DS

CHECKED DD

APPROVED DD

PROJECT NO.

26037

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A6.1