

October 22, 2024

GRACE HEBERT CURTIS ARCHITECTS, LLC | 601 POYDRAS STREET | SUITE 2310 | NEW ORLEANS, LOUISIANA 70130

ADDENDUM 003

TO ALL CONTRACTORS:

This Addendum is hereby made a part of the Contract Documents dated August 16, 2024.

Exterior Repairs at DM Taylor School
428 Broadway Street
New Orleans, LA 70118
GHC Project No. 3223144
Owner Project No. ITB No. 24-FAC-0020

The following items shall be considered part of the contract documents and shall be included in the same when Construction Contract is executed. Changes made by Addenda shall take precedence over Original Documents. Any changes, which may affect construction or proper installation of materials, equipment or fixtures, not specifically mentioned in this addendum, shall be brought to the attention of Designer before submitting bid. Otherwise, such conditions, if found later to exist, must be worked out in an acceptable manner without additional cost to the Owner. Prime Contractors are hereby advised to call attention of all subcontractors to changes, which may affect their work.

SUMMARY

The bid date has been extended 7 days, and will now be October 31, 3pm. This addendum 03 replaces information in addendum 02.

QUESTIONS

1. Would the attached Neogard Urethane traffic coating be approved for the front entry coating?
 - a. See prior approvals section below.
2. The tile pieces are set in the concrete topping slab. I believe most will be damaged if we try to remove them. Will there be a spec for new tile material? Will there be a set percentage anticipated to be damaged so we all bid the same amount? Could we coat over the tile?
 - a. New specification for tile is being added. There will be a separate clear coating applied over the tile.

ARCHITECTURAL

SPECIFICATIONS:

1. **02 4000 Demolition**
 - a. Additional information is included regarding removal of existing tile. The following revisions are included:

Add 1.06 G.: Exploratory removal of existing tile at stair landings: Remove a small area of existing tile to confirm the thickness/depth of existing tile before proceeding with full extents of tile removal at the stair landings. Notify the Architect of any potential conflicts with the new 1/2" thick tile scheduled to be installed. Provide protective barrier/cover over area of removed tiles until full tile removal begins.

Add 3.01 A.5: Area of Stair Landing Tile Removal: Following verification of existing tile thickness, remove existing tiles at the three existing landings. Save undamaged tiles for Owner attic stock. Remove joints between tiles to provide a flat depression and a straight recessed edge on all four sides of the tile installation. Waterproof deck coating shall be installed on the exposed deck substrate prior to tiles, mortar, and grout.

a. Remove tiles at intervals so that stair egress is not blocked.

- 2. **Section 09 3000 "Tiling":** Add this new section in its entirety.
- 3. **Section 09 9600: High Performance Coatings**
 - a. See the following revisions to this specification:

Revise 2.02 C to indicate the following: Fluid-applied traffic coating system (To be applied to the deck and stair area as indicated on the Drawings):

Add 2.02 C.1.c: Peda-Gard, by NEOGARD®, a Division of Hempel (USA), Inc.
This product is added to the list of approved equals.

PRIOR APPROVALS:

The following manufacturers are considered equal to that specified in name brand only. However, neither the full effects of using them nor the compatibility with the entire project have been evaluated. Any required changes or modifications to the project resulting from substitution(s) will be the responsibility of the contractor. Compliance with all specifications shall still be a requirement.

<u>Specifications Section</u>	<u>Manufacturer</u>	<u>Product</u>
09 9600 High Performance Coatings	Hempel Neoguard	Peda-Guard

END OF ADDENDUM NUMBER THREE

ADVERTISEMENT FOR BIDS

Sealed bids will be received for the Orleans Parish School Board (OPSB) by the Procurement Department, Room 5055, 2401 Westbend Parkway, New Orleans, Louisiana 70114, until **3:00 PM CST on Thursday, October 31, 2024.**

Bids will be publicly opened and read aloud at that time, and a tabulation will be made for consideration by the Owner in awarding the Contract.

Bids received after the above-designated date and time will not be opened and will be rejected.

ANY PERSON REQUIRING SPECIAL ACCOMMODATIONS SHALL NOTIFY THE ORLEANS PARISH SCHOOL BOARD OF THE TYPE(S) OF ACCOMMODATION REQUIRED NOT LESS THAN SEVEN (7) DAYS BEFORE THE BID OPENING.

FOR: Exterior Repairs at D. M. Taylor School
428 Broadway Street
New Orleans, LA 70118

PROJECT NUMBER: ITB No. 24-FAC-0020

Complete Bidding Documents may be obtained from:

Grace Hebert Curtis, LLC
501 Government St, Ste 201
Baton Rouge, LA 70802
Attn: Damien Job
PHONE: 504-522-2050

Bid documents will be emailed by Architect or a downloadable link will be provided to obtain bid documents in PDF format.

All Bids must be accompanied by bid security equal to five percent (5%) of the sum of the Base Bid and all Alternates, and must be in the form of a certified check, cashier's check or the Orleans Parish School Board Bid Bond Form written by a surety company licensed to do business in Louisiana, signed by the surety's agency or attorney-in-fact. Surety must be listed on the current U.S. Department of the Treasury Financial Management Service list of approved bonding companies as approved for an amount equal to or greater than the amount for which it obligates itself in the Bond, or must be a Louisiana domiciled insurance company with at least an A - rating in the latest printing of the A.M. Best's Key Rating Guide. If surety qualifies by virtue of its Best's listing, the amount of the Bond may not exceed ten percent of policyholders' surplus as shown in the latest A.M. Best's Key Rating Guide. The Bid Bond shall be in favor of the Orleans Parish School Board, and shall be accompanied by appropriate power of attorney. No Bid Bond indicating an obligation of less than five percent (5%) by any method is acceptable.

The successful Bidder shall be required to furnish a Performance Bond and a Payment Bond written by a company licensed to do business in Louisiana, in an amount equal to 100% of the Contract amount. Surety must be listed currently on the U. S. Department of Treasury Financial Management Service List (Treasury List) as approved for an amount equal to or greater than the contract amount, or must be an insurance company domiciled in Louisiana. If the Surety is not listed on the Treasury List, and has less than an "A-" rating (as shown in the latest edition of A.M. Best's Key Rating Guide) the maximum Contract amount for which that Surety may provide a Bond is \$500,000.00 (Five Hundred Thousand Dollars), or fifteen percent of

the Surety's policyholders' surplus (as shown by Surety's most recent financial statements filed with the Louisiana Department of Insurance), whichever is less. If the Surety is not listed on the Treasury List, and has at least an "A"- rating or better (as shown in the latest edition of A.M. Best's Key Rating Guide), the maximum Contract amount for which that Surety may provide a Bond is fifteen percent of the Surety's policyholders' surplus (as shown by Surety's most recent financial statements filed with the Louisiana Department of Insurance). The Bond shall be signed by the surety's agent or attorney-in-fact, and shall be in favor of the Orleans Parish School Board.

A PRE-BID CONFERENCE WILL BE HELD

**at 1:00 p.m. Thursday, October 10, 2024 at D.M. Taylor located at 428 Broadway Street,
New Orleans, LA 70118.**

Attendance at this conference is **NOT** required but highly encouraged and Bidders are advised that they will be required to state on the Bid Form that they are familiar with the Project site located at 2727 S. Carrollton Ave, New Orleans, LA 70118

Bids shall be accepted from Contractors who are licensed under LA. R.S. 37:2150-2163 for the classification of **Building Construction**. Bidder is required to comply with provisions and requirements of LA R.S.38:2212 (A)(1)(a). No bid may be withdrawn for a period of thirty (30) days after receipt of bids, except under the provisions of LA. R.S. 38:2214.

The Owner reserves the right to reject any and all bids for just cause. In accordance with La. R.S. 38:2212 (B)(1), the provisions and requirements of this Section, those stated in the advertisement bids, and those required on the bid form shall not be considered as informalities and shall not be waived by any public entity.

NOTICE OF PUBLIC FUNDING:

Notice is hereby given that this Project is to be financed in whole or in part by federal or other funds which will not be readily available at the time the Bids are received. As a result, pursuant to La. R.S. 38:2215, the Owner is exempt from the requirement of acting to award the Contract or reject all Bids within forty-five (45) calendar days of receipt of the Bids. Pursuant to this Statute, the Owner specifically reserves the right to hold all Bids for greater than forty-five (45) calendar days.

The Orleans Parish School Board shall incur no obligation to the Contractor until the Contract Between Owner and Contractor is fully executed.

INCORPORATION OF INSTRUCTIONS TO BIDDERS INTO ADVERTISEMENT FOR BIDS

The Instructions to Bidders contained in the Bid Documents (referenced above), and all requirements contained therein, are incorporated into this Advertisement for Bids as if completely set forth herein.

By: Mr. Paul Lucius
Executive Director of Procurement

Insertion dates: **(1) Wednesday, September 25, 2024**
 (2) Wednesday, October 2, 2024
 (3) Wednesday, October 9, 2024

**SECTION 02 4000
DEMOLITION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Selective demolition of building elements for repair purposes.
- B. Pressure washing of building existing masonry facade.
 - 1. Refer to Section 04 0100 "Maintenance of Masonry" for cleaning of masonry wall surfaces.

1.02 RELATED REQUIREMENTS

- A. Section 01 1000 - Summary: Limitations on Contractor's use of site and premises.
- B. Section 01 5000 - Temporary Facilities and Controls: Site fences, security, protective barriers, and waste removal.

1.03 DEFINITIONS

- A. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged or reinstalled.
- B. Remove and Salvage: Detach items from existing construction, in a manner to prevent damage, and store for reuse or turn over to Owner as indicated.
- C. Remove and Reinstall: Detach items from existing construction, in a manner to prevent damage, prepare for reuse, and reinstall where indicated.
- D. Existing to Remain: Leave existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.
- E. Dismantle: To remove by disassembling or detaching an item from a surface, using gentle methods and equipment to prevent damage to the item and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

1.04 PRE-DEMOLITION MEETING

- A. Pre-demolition Conference: Conduct conference at project site.
 - 1. Inspect and discuss condition of construction to be selectively demolished.
 - 2. Review and finalize selective demolition schedule and verify availability of materials, demolition personnel, equipment, and facilities needed to make progress and avoid delays.
 - 3. Review requirements of work performed by other trades that rely on substrates exposed by selective demolition operations.
 - 4. Review areas where existing construction is to remain and requires protection.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Site Plan: Showing:
 - 1. Vegetation to be protected.
 - 2. Areas for temporary construction and field offices.
 - 3. Areas for temporary and permanent placement of removed materials.
- C. Qualification Data: For refrigerant recovery technician, if applicable. Refrigerant recovery technician shall be certified by an EPA-approved certification program.
 - 1. Provide statement of refrigerant recovery signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.
- D. Engineering Survey: Submit engineering survey of condition of building.
- E. Product Data: Submit cleaning product data for review and approval.

- F. Proposed Protection Measures: Submit report, including Drawings, that indicate the measures proposed for protecting individuals and property, for environmental protection, for dust control and for noise control. Indicate proposed locations and construction of barriers.
- G. Demolition Plan: Submit demolition plan as specified by OSHA and local authorities. Demolition plan, including sequencing, phasing, and site security shall be approved by Owner and Architect prior to commencing with demolition scope.
 - 1. Indicate extent of demolition, removal sequence, bracing and shoring, and location and construction of barricades and fences.
 - a. Include a detailed sequence of selective demolition and removal work, with starting and ending dates for each activity. Ensure other buildings on site operations are uninterrupted.
 - b. Include anticipated interruption of utility services and length of time for anticipated interruption.
 - c. Include coordination for shutoff, capping, and continuation of utility services.
 - d. Identify phasing and sequencing.
 - e. Identify fencing, signage, and security measures.
 - 2. Identify demolition firm and submit qualifications.
 - 3. Include a summary of safety procedures and proposed measures for protection of individuals and property, environmental protection, dust control, and noise control. Indicate locations for protection and construction of barriers.
- H. Pre-demolition Photographs or Video: Show existing conditions of adjoining construction, including finish surfaces, that might be misconstrued as damage caused by salvage and demolition operations. Submit prior to demolition work commencing.
- I. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction. Submit a list of items that have been removed and salvaged.

1.06 FIELD CONDITIONS

- A. Owner will occupy portions of site immediately adjacent to selective demolition area. Conduct demolition so Owner's operations will not be disrupted. Coordinate with Owner times to perform demolition work.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with demolition.
- D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
 - 1. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- E. Storage or sale of removed items or materials, whether on-site or off-site, is not permitted.
- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
 - 1. Maintain fire-protection facilities in service during selective demolition operations.
- G. Exploratory removal of existing tile at stair landings: Remove a small area of existing tile to confirm the thickness/depth of existing tile before proceeding with full extents of tile removal at the stair landings. Notify the Architect of any potential conflicts with the new 1/2" thick tile scheduled to be installed. Provide protective barrier/cover over area of removed tiles until full tile removal begins.

PART 2 PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having

jurisdiction.

- B. Standards: Comply with ANSI/ASSP A10.6 and NFPA 241.

PART 3 EXECUTION

3.01 SCOPE

- A. Remove portions of the building as indicated and as required to complete construction.
1. Demolition of site elements where indicated on the Drawings. Refer to Drawings for full scope of demolition.
 2. Demolition of exterior building elements where indicated on the Drawings. Refer to Drawings for full scope of demolition.
 3. Demolition of interior building elements where indicated on the Drawings. Refer to Drawings for full scope of demolition.
 4. Demolition of associated structural, civil, electrical, mechanical and plumbing. Refer to Drawings for full scope of demolition.
 5. Area of Stair Landing Tile Removal: Following verification of existing tile thickness, remove existing tiles at the three existing landings. Save undamaged tiles for Owner attic stock. Remove joints between tiles to provide a flat depression and a straight recessed edge on all four sides of the tile installation. Waterproof deck coating shall be installed on the exposed deck substrate prior to tiles, mortar, and grout.
 - a. Remove tiles at intervals so that stair egress is not blocked.
- B. Contractor shall be responsible to field verify and remove all items that are floor, wall, or ceiling mounted as necessary to accommodate the scope of new construction work, whether or not item is specifically noted for removal in the Drawings.
- C. For items indicated or required to be removed and reinstalled by Contractor as necessary to accommodate the scope of new construction work:
1. All items shall be tagged and cataloged with the Building, Room, and wall location from which it was removed. Contractor shall be responsible for taking dimensions for height and distance from adjacent walls so that item can be reinstalled at original location. Contractor shall document the condition of all existing items to be removed with photographs including their tag number for identification.
 2. Items shall be stored in a safe, secure location and protected from damage. Items which could be detrimentally affected by higher levels of humidity shall be stored in a conditioned space to prevent damage or warping.
 3. Any item damaged as a result of the removal and reinstallation process shall be replaced at the Contractor's cost with an identical item. If an identical item is no longer manufactured, Contractor shall submit a proposed substitution of equal or greater value to the damaged item for the Architect and Owner's consideration.
 4. Items shall be cleaned prior to reinstallation.
 5. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports and miscellaneous materials necessary to make item functional for use indicated. Check item for proper functionality after installation and repair as necessary.
- D. For items indicated or required to be removed which support other items to remain:
1. Where possible, temporarily shore item to remain during selective demolition and installation of new construction work. Protect item from damage to remain throughout construction. Contractor shall document the condition of all existing items to be removed with photographs including their tag number for identification.
 2. If item to be supported cannot be shored, Contractor shall tag and catalog item with Building, Room, and wall location from which it was removed. Contractor shall be responsible for taking dimensions for height and distance from adjacent walls so that item can be reinstalled at original location once lower items to be replaced are installed.
 3. Any item to remain and damaged as a result of the the Contractor's scope shall be replaced at the Contractor's cost with an identical item. If an identical item is no longer manufactured, Contractor shall submit a proposed substitution of equal or greater value to the damaged item for the Architect and Owner's consideration.

- E. For existing items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition, cleaned and reinstalled in their original locations after selective demolition operations are complete. Any items or existing conditions that are indicated to remain and were damaged as a result of demolition shall be repaired at the Contractor's expense with equal or better quality materials. Any variation from the existing conditions or products for repairs or replacement of damaged conditions or items shall be approved in advance by the Owner and Architect.
- F. For all wall assemblies requiring demolition, Contractor shall notify the Architect if the existing wall assembly varies from the existing wall assembly being removed. This shall include but not be limited to existing conditions that would indicate a rated wall, batt insulation (or lack of batt insulation) in existing wall, or wall cladding material.

3.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with other requirements specified in Section 01 7000.
- B. Prior to the start of any demolition the Contractor shall visit the site and verify existing conditions, including utilities, within the limits of the demolition work.
- C. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
 - 1. Obtain required permits.
 - 2. Use of explosives is not permitted.
 - 3. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
 - 4. Provide, erect, and maintain temporary barriers and security devices.
 - 5. Use physical barriers to prevent access to areas that could be hazardous to workers or the public.
 - 6. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
 - 7. Do not close or obstruct roadways or sidewalks without permit.
 - 8. Conduct operations to minimize obstruction of public and private entrances and exits; do not obstruct required exits at any time; protect persons using entrances and exits from removal operations.
 - 9. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon or limit access to their property.
- D. Do not begin removal until receipt of notification to proceed from Owner.
- E. Do not begin removal until built elements to be salvaged or relocated have been removed.
- F. Do not begin removal until vegetation to be relocated has been removed and specified measures have been taken to protect vegetation to remain.
- G. Minimize production of dust due to demolition operations; do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.
- H. Cleaning of Exterior Building Surfaces:
 - 1. Refer to Manufacturer's written instructions for application of cleaner.
 - 2. Use a minimum amount of spray pressure as to prevent damage to building exterior.

3.03 EXISTING UTILITIES

- A. Coordinate work with utility companies; notify before starting work and comply with their requirements; obtain required permits.
- B. Protect existing utilities to remain from damage.
- C. Do not disrupt public utilities without permit from authority having jurisdiction.
- D. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.

- E. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to Owner.
- F. Locate and mark utilities to remain; mark using highly visible tags or flags, with identification of utility type; protect from damage due to subsequent construction, using substantial barricades if necessary.
- G. Remove exposed piping, valves, meters, equipment, supports, and foundations of disconnected and abandoned utilities.
- H. For Existing Service/Systems to be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be demolished.
 - 1. Prepare building demolition areas by disconnecting, demolishing and removing fire-suppression, plumbing and HVAC systems, equipment, and components indicated on the Drawings to be removed.
 - a. Piping to be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
 - b. Equipment to be Removed: Disconnect and cap services and remove equipment.
 - 2. Cap utilities outside the demolition zone; identify and mark utilities to be subsequently reconnected, in same manner as other utilities to remain.

3.04 PROTECTION

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
 - 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of building.
 - 2. Provide temporary weather protection, during interval between selective demolition of existing construction on exterior surfaces and new construction, to prevent water leakage and damage to structure and interior areas.
 - 3. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
 - 4. Cover and protect furniture, furnishings, and equipment that have not been removed.
- B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
 - 1. Strengthen or add new supports when required during progress of selective demolition.
- C. Perform cutting to accomplish removals neatly and as specified for cutting new work.
- D. Repair adjacent construction and finishes damaged during removal work.
- E. Patch as specified for patching new work.
- F. Remove temporary barricades and protections where hazards no longer exist.
- G. Protect all existing utilities to remain, piping to remain, hydrants to remain, etc.
- H. Protect all site signage to remain.
- I. Protect all site paving to remain, including parking areas, sidewalks, roadways, concrete pads, etc.
- J. Protect site infrastructure indicated to remain.

3.05 DEBRIS AND WASTE REMOVAL

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.
 - 1. Do not allow demolished materials to accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
- B. Burning: Do not burn demolished materials
- C. Leave site in clean condition, ready for subsequent work.
- D. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

**SECTION 09 3000
TILING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Tile for floor applications.

1.02 REFERENCE STANDARDS

- A. ANSI A108/A118/A136 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2019.
- B. ANSI A108.1a - American National Standard Specifications for Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar; 2023.
- C. ANSI A108.1b - Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set, Modified Dry-Set, or Improved Modified Dry-Set Cement Mortar; 2023.
- D. ANSI A108.1c - Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set, Modified Dry-Set, or Improved Modified Dry-Set Cement Mortar; 2023.
- E. ANSI A108.4 - American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesive or Water Cleanable Tile-Setting Epoxy Adhesive; 2023.
- F. ANSI A108.5 - Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue Plywood) Modified Dry-Set Cement Mortar, or Improved Modified Dry-Set Cement Mortar; 2023.
- G. ANSI A108.6 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grout Epoxy; 2023.
- H. ANSI A108.8 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout; 1999 (Reaffirmed 2019).
- I. ANSI A108.9 - American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout; 2023.
- J. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework; 2017 (Reaffirmed 2022).
- K. ANSI A108.12 - Installation of Ceramic Tile with EGP (Exterior Glue Plywood) Modified Dry-Set Mortar; 2023.
- L. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone; 2005 (Reaffirmed 2021).
- M. ANSI A108.19 - American National Standard Specifications for Interior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Modified Dry-Set Cement Mortar or Improved Modified Dry-Set Cement Mortar; 2020.
- N. ANSI A108.20 - American National Standard Specifications for Exterior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs; 2020.
- O. ANSI A118.7 - American National Standard Specifications for High Performance Cement Grouts for Tile Installation; 2019.
- P. ANSI A118.15 - American National Standard Specifications for Improved Modified Dry-Set Cement Mortar; 2023.
- Q. ANSI A137.1 - American National Standard Specifications for Ceramic Tile; 2022.
- R. ASTM C373 - Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products; 2018 (Reapproved 2023).

- S. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2024.
- T. TCNA (HB-GP) - Handbook for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs Installation; 2023.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by affected installers.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
- C. Shop Drawings: Indicate tile layout, patterns, color arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, ceramic accessories, and setting details.
- D. Samples: Mount tile and apply grout on two plywood panels, minimum 18 by 18 inches (457 by 457 mm) in size illustrating pattern, color variations, and grout joint size variations.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Master Grade Certificate: Submit for each type of tile, signed by the tile manufacturer and tile installer.
- G. Installer's Qualification Statement:
 - 1. Submit documentation of National Tile Contractors Association (NTCA) or Tile Contractors' Association of America (TCAA) accreditation.
- 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. Extra Tile: 10 square feet (1 square meters) of each size, color, and surface finish combination.

1.05 QUALITY ASSURANCE

- A. Maintain one copy of ANSI A108/A118/A136, TCNA (HB), and TCNA (HB-GP) on-site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum five years of documented experience.
- C. Installer Qualifications: Natural Stone Institute (NSI) Accredited Commercial B Contractor (light commercial): www.naturalstoneinstitute.org/#sle.
- D. Installer Qualifications:
 - 1. Company specializing in performing tile installation, with minimum of five years of documented experience.
 - a. Accredited Five-Star member of the National Tile Contractors Association (NTCA) or Trowel of Excellence member of the Tile Contractors' Association of America (TCAA).

1.06 MOCK-UPS

- A. See Section 01 4000 - Quality Requirements for general requirements for mock-up.
- B. Construct tile mock-up where indicated on drawings, incorporating all components specified for the location.
 - 1. Minimum size of mock-up is indicated on drawings.
 - 2. Demolish mock-up when directed by Architect, and remove debris from the site.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.08 FIELD CONDITIONS

- A. Do not install solvent-based products in an unventilated environment.

- B. Maintain ambient and substrate temperature above 50 degrees F (10 degrees C) and below 100 degrees F (38 degrees C) during installation and curing of setting materials.

PART 2 PRODUCTS

2.01 TILE

- A. Quarry Tile, Type __: ANSI A137.1 standard grade.
1. Moisture Absorption: Over 3.0 but not more than 5.0 percent as tested in accordance with ASTM C373.
 2. Size: 4 by 8 inch (102 by 203 mm), nominal.
 3. Thickness: 1/2 inch (12.7 mm), nominal.
 4. Surface Finish: Non-slip.
 5. Color(s): To be selected by Architect from manufacturer's standard range.
 6. Pattern: To match existing.
 7. Products:
 - a. Dal-Tile Corporation; _____: www.daltile.com/#sle.
 - b. Metropolitan Ceramics: www.metroceramics.com/#sle.
 - c. Summitville Tiles, Inc: www.summitville.com/#sle.
 - d. Substitutions: See Section 01 6000 - Product Requirements.

2.02 SETTING MATERIALS

- A. Provide setting and grout materials from same manufacturer.
- B. Manufacturers:
1. ARDEX Engineered Cements; _____: www.ardexamericas.com/#sle.
 2. Bostik Inc; _____: www.bostik-us.com/#sle.
 3. Custom Building Products; _____: www.custombuildingproducts.com/#sle.
 4. H.B. Fuller Construction Products, Inc; _____: www.tecspecialty.com/#sle.
 5. LATICRETE International, Inc; _____: www.laticrete.com/#sle.
 6. Mapei Corporation; _____: www.mapei.com/#sle.
 7. Merkrete, by Parex USA, Inc; _____: www.merkrete.com/#sle.
 8. Schluter-Systems; _____: www.schluter.com/#sle.
 9. Substitutions: See Section 01 6000 - Product Requirements.
- C. Improved Latex-Portland Cement Mortar Bond Coat: ANSI A118.15.
1. Applications: Use this type of bond coat _____.
 2. Products:
 - a. ARDEX Engineered Cements; S 28: www.ardexamericas.com/#sle.
 - b. LATICRETE International, Inc; MULTIMAX LITE: www.laticrete.com/#sle.
 - c. Basis of Design: Mapei Corporation; Granirapid System: www.mapei.com/#sle.
 - d. Substitutions: See Section 01 6000 - Product Requirements.
 - e. Color: As selected by the Architect from the manufacturer's full color range.

2.03 GROUTS

- A. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
1. Applications: Use this type of grout where indicated _____.
 2. Use sanded grout for joints 1/8 inch (3.2 mm) wide and larger; use unsanded grout for joints less than 1/8 inch (3.2 mm) wide.
 3. Color(s): As selected by Architect from manufacturer's full line.
 4. Products:
 - a. ARDEX Engineered Cements; ARDEX FL: www.ardexamericas.com/#sle.
 - b. LATICRETE International, Inc; LATICRETE PERMACOLOR Grout: www.laticrete.com/#sle.
 - c. Basis of Design: Mapei Corporation; Ultracolor Plus FA: www.mapei.com/#sle.
 - d. Substitutions: See Section 01 6000 - Product Requirements.

2.04 MAINTENANCE MATERIALS

- A. Grout Sealer: Liquid-applied, moisture and stain protection for existing or new Portland cement grout.
 - 1. Composition: Water-based colorless silicone.
 - 2. Products:
 - a. STONETECH, a Division of LATICRETE International, Inc; STONETECH Heavy Duty Grout Sealer: www.laticrete.com/#sle.
 - b. Merkrete, by Parex USA, Inc; Merkrete Revive: www.merkrete.com/#sle.
 - c. Substitutions: See Section 01 6000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
- B. Verify that subfloor surfaces are dust free and free of substances that could impair bonding of setting materials to subfloor surfaces.
- C. Install tile, mortar, and grout materials after application of waterproof coating. See Section 09 9600 High-Performance Coatings.

3.02 PREPARATION

- A. Protect surrounding work from damage.
- B. Vacuum clean surfaces and damp clean.
- C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

3.03 INSTALLATION - GENERAL

- A. Install tile and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.20, manufacturer's instructions, and TCNA (HB) or TCNA (HB-GP) recommendations, as applicable.
- B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
- E. Form internal angles square and external angles bullnosed.
- F. Sound tile after setting. Replace hollow sounding units.
- G. Keep control and expansion joints free of mortar, grout, and adhesive.
- H. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
- I. Grout tile joints unless otherwise indicated. Use standard grout unless otherwise indicated.
- J. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.

END OF SECTION

**SECTION 09 9600
HIGH-PERFORMANCE COATINGS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. High performance coatings.
- B. Surface preparation.

1.02 RELATED REQUIREMENTS

- A. Section 09 9000 - Painting and Coating: Requirements for mechanical and electrical equipment surfaces.

1.03 SUBMITTALS

- A. See Section 01 3000 - Submittal Requirements.
- B. Product Data: Provide data indicating coating and primer materials .
- C. Shop Drawings: Submit shop drawings for review and approval, to illustrate extent and configuration of coating application and relation to adjacent materials.
- D. Samples: Submit two samples 8 by 8 inch (203 by 203 mm) in size illustrating colors available for selection.
- E. Samples for Verification Purposes: Provide samples of each color and material to be applied, with texture to simulate actual conditions, on representative samples of the actual substrate.
 - 1. Provide stepped samples, defining each separate coat, including block fillers and primers. Use representative colors when preparing samples for review. Resubmit until required sheen, color, and texture are achieved.
 - 2. Provide a list of material and application for each coat of each sample. Label each sample as to location and application.
- F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- G. Maintenance Data: Include cleaning procedures and repair and patching techniques.
- H. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. Extra Coating Materials: 1 gallon (4 liters) of each type and color.
 - 2. Label each container with manufacturer's name, product number, color number, and room names and numbers where used.

1.04 QUALITY ASSURANCE

- A. Maintain one copy of each referenced document that applies to application on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- C. Applicator Qualifications: Company specializing in performing the work of this section with minimum five years documented experience.
- D. Field Samples: On wall surfaces and other exterior and interior components, duplicate finishes of prepared samples. Provide full-coat finish samples on at least 100 sq. ft. of surface until required sheen, color, and texture are obtained; simulate finished lighting conditions for reivew of in-place work.
 - 1. Final acceptance of colors will be from job-applied samples.
 - 2. The Architect will select one room or surface to represent surfaces and conditions for each type of coating and substrate to be painted. Apply coatings in this room or surface according to the schedule or as specified.
 - a. After finishes are accepted, this room or surface will be used to evaluate coating systems of a similar nature.

1.05 FIELD CONDITIONS

- A. Do not install materials when temperature is below 55 degrees F (13 degrees C) or above 90 degrees F (32 degrees C).

- B. Maintain this temperature range, 24 hours before, during, and 72 hours after installation of coating.
- C. Restrict traffic from area where coating is being applied or is curing.

1.06 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.
- C. Warranty: Include coverage for bond to substrate.

PART 2 PRODUCTS

2.01 HIGH-PERFORMANCE COATINGS

- A. Provide coating systems that meet the following minimum performance criteria, unless more stringent criteria are specified:

2.02 TOP COAT MATERIALS

- A. Material Compatibility: Provide primers, intermediate coats and finish coat materials, and related materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by the manufacturer based on testing and field experience.
- B. Materials shall meet the requirements outlined below. No materials will be considered that differ generically from the specified system.
- C. Fluid-applied traffic coating system (To be applied to the deck and stair area as indicated on the Drawings):
 - 1. Products:
 - a. Basis of Design: HydroSeal 1K PU Membrane, by Hydrotech.
 - b. Kemperol 2K FR, by Kemper System America Inc.
 - c. Peda-Gard, by NEOGARD®, a Division of Hempel (USA), Inc.,
 - d. Substitutions: Section 01 6000-Product Requirements.
 - 2. Non-Slip Broadcast Aggregate: Use a non-slip broadcast aggregate as required by the coating manufacturer and compatible with applied coating.
- D. Elastomeric Coating To be applied to the stucco area as indicated on the Drawings.:
 - 1. Number of Coats: As required by the coating manufacturer.
 - 2. Top Coat(s): Exterior Pigmented Elastomeric, Acrylic Based Coating; _____.
 - a. Products:
 - 1) Basis of Design: Neoflex, by NEOGARD®, a Division of Hempel (USA), Inc., 2728 Empire Central, Dallas, TX 75235, (800) 321-6588, www.neogard.com.
 - 2) Tuff-Coat, by The garland Company, Inc., www.garlandco.com
 - 3) AF-135 Elastomeric Wall Coating, by Acrymax Technologies, Inc.
 - 4) Substitutions: Section 01 6000 - Product Requirements.
 - 3. Color: As selected by the Architect from the manufacturer's full color range.
- E. Primers: As recommended by coating manufacturer for specific substrate, unless otherwise specified.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates and conditions under which painting will be performed for compliance with paint application requirements.
 - 1. Do not begin to apply coating until unsatisfactory conditions have been corrected.
 - 2. Start of coating application will be construed as the Applicator's acceptance of surfaces and conditions within a particular area.
- B. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on

characteristics of finish materials to ensure use of compatible primers.

1. Notify the Architect about anticipated problems using the materials specified over substrates primed by others.
- C. Do not begin application of coatings until substrates have been properly prepared.
- D. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

3.02 PREPARATION

- A. **Cleaning:** Before applying coating or other surface treatments, clean the substrates of substances that could impair the bond of the various coatings. Remove oil and grease prior to cleaning. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
- B. **Surface Preparation:** Clean and prepare surfaces to be painted according to the manufacturer's instructions for each particular substrate condition and as specified.
- C. **Materials Preparation:** Carefully mix and prepare paint materials according to manufacturer's directions.
1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
 2. Stir material before application to produce a mixture of uniform density; stir as required during application. Do not stir surface film into material. Remove film and, if necessary, strain material before using.
 3. Use only thinners approved by the paint manufacturer and only within recommended limits.

3.03 PRIMING

- A. Apply primer to all surfaces, unless specifically not required by coating manufacturer. Apply in accordance with coating manufacturer's instructions.

3.04 APPLICATION

- A. **General:** Apply coating according to manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied.
- B. Do not apply coating over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
1. Coating colors, surface treatments, and finishes are indicated in the schedules.
 2. Provide finish coats that are compatible with primers used.
 3. The number of coats and the film thickness required are the same regardless of the application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. Sand between applications where sanding is required to produce a smooth even surface according to the manufacturer's directions.
 4. Apply additional coats if undercoats, stains, or other conditions show through final coat of paint until paint film is of uniform finish, color, and appearance. Give special attention to ensure that surfaces, including edges, corners, crevices, welds, and exposed fasteners, receive a dry film thickness equivalent to that of flat surfaces.
 5. The term exposed surfaces includes areas visible when permanent or built in fixtures, convector covers, covers for finned tube radiation, grilles, and similar components are in place. Extend coatings in these areas, as required, to maintain the system integrity and provide desired protection.
- C. **Application Procedures:** Apply paints and coatings by brush, roller, spray, or other applicators according to the manufacturer's directions.
- D. **Minimum Coating Thickness:** Apply materials no thinner than the manufacturer's recommended spreading rate. Provide the total dry film thickness of the entire system as recommended by the manufacturer.
- E. **Prime Coats:** Before applying finish coats, apply a prime coat of material, as recommended by the manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or

unsealed areas in first coat appears, to ensure a finish coat with no burn through or other defects due to insufficient sealing.

- F. Non-Slip Broadcast Aggregate at Stair Areas: Apply non-slip broadcast aggregate at stair and landing surfaces in accordance with the coating manufacturer's instructions.

3.05 CLEANING

- A. Cleanup: At the end of each work day, remove empty cans, rags, rubbish, and other discarded paint materials from the site.
 - 1. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping. Be careful not to scratch or damage adjacent finished surfaces.
- B. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.
- C. Clean surfaces immediately of overspray, splatter, and excess material.
- D. After coating has cured, clean and replace finish hardware, fixtures, and fittings previously removed.

3.06 PROTECTION

- A. Protect work of other trades, whether being coated or not, against damage by coating application. Correct damage by cleaning, repairing or replacing, and recoating, as acceptable to Architect.
- B. Provide "Wet Paint" signs to protect newly coated finishes. Remove temporary protective wrappings provided by others to protect their work after completing painting operations.
 - 1. At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

3.07 SCHEDULE

- A. Exterior Applications - General: Refer to the Drawings for locations of each coating material.

END OF SECTION