

SECTION 09 75 99

RESTORATION OF MARBLE WALL PANELS, BASE, WAINSCOTS AND TRIM PIECES

PART 1 - GENERAL - For additional information, refer to Volume II, Section C, Historic Guidelines and Criteria

1.01 DESCRIPTION

A. This Section describes the requirements for the following:

1. Stone Wall Paneling at Grand Lobby Loggia and Corridors 102, 201, 202 and Historic Stairs 5, 6, 7, 8 and 9:
 - a. Clean existing stone wall paneling with a liquid marble cleaner.
 - b. Repair cracks with a polyester resin.
 - c. Repair and replace missing stone paneling.
 - d. Repair minor holes and damage in the stone wall paneling with polyester repair resin.
2. Stone Wall Paneling at Elevator Lobbies Floors 3 through 8 Rooms 301, 401, 501, 601, 701 and 801 and Public Corridors 203-209 at the 2nd Floor and 801-807 at the 8th Floor:
 - a. Reinstall cataloged stone wall paneling in accordance with the reinstallation plans.
 - b. Provide a new anchor system for the stone wall paneling. Refer to drawings for typical anchor details for reinstallation of marble wall paneling.
 - c. Install non-cataloged stone wall panels where cataloged panels are damaged or broken. Refer to the Survey and Documentation of Historic Materials for the condition of cataloged materials.
 - d. Clean stone wall paneling with liquid marble cleaner after reinstallation.
3. Stone Wall Paneling at Historic Stairs 1, 2, 3 and 4:
 - a. Reinstall cataloged stone wall paneling in accordance with the reinstallation plans.
 - b. Provide a new anchor system for the stone wall paneling. Refer to drawings for typical anchor details for reinstallation of the stone wall paneling.
 - c. Install non-cataloged stone panels where cataloged panels are damaged or broken. Refer to the Survey and Documentation of Historic Materials for the condition of cataloged materials.
 - d. Exterior walls of the historic stairwells with brick masonry construction will be treated with a fiber wrap reinforcing and the stone panels reinstalled in their original position.
 - e. Clean stone wall paneling with a liquid marble cleaner after reinstallation.
 - f. Repair marble with polyester resin.
4. Grand Jury Room 819 and Historic Courtroom 816:
 - a. Remove and store existing marble base for reinstallation.

b. Provide new black marble base to match existing as required where base is missing or damaged.

5. Elevator Lobbies Floors 3 through 8 Rooms 301, 401, 501, 601, 701 and 801: Provide new flush stone base on new non-historic walls that are complementary to the historic panels.

1.02 SUBMITTALS

- A. Product Data: Manufacturer's technical data for each product to be used, including recommendations for application and use.
- B. Cleaning and Restoration Program: Written program for each phase of cleaning and restoration including protection of surrounding materials during work.
 - 1. Describe materials, methods and equipment to be used for each phase of work.
 - 2. If alternative methods and materials are proposed, furnish written description, including documentation of successful use on other comparable Projects.

1.03 QUALITY ASSURANCE

- A. Restoration Specialist: Firm having minimum 5-years experience in comparable restoration Projects, employing personnel skilled in the restoration and operations specified.
- B. Field Constructed Mock-Up: Prior to start of work, prepare a cleaning and restoration mock-up of each required surface where directed by the County's Representative. Demonstrate cleaning and restoration materials and methods proposed for use. Obtain County's Representative's approval of visual qualities before proceeding with the work.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in manufacturer's original and unopened containers and packaging, bearing labels indicating type and names of products and manufacturers.
- B. Protect materials during storage and construction from wetting by rain or ground water, and from staining or intermixture with earth and other types of materials.
- C. Protect grout, mortar and other materials from deterioration by moisture and temperature.
 - 1. Store in a dry location or in waterproof containers.
 - 2. Keep containers tightly closed and away from open flames.
 - 3. Comply with manufacturer's recommendations for storage temperature requirements.

1.05 PROJECT CONDITIONS

- A. Protect surrounding surfaces from damage resulting from the work.
- B. Prevent grout and mortar from staining face of surrounding surfaces. Remove grout and mortar immediately from exposed surfaces.

PART 2 - PRODUCTS

2.01 CLEANING MATERIALS AND EQUIPMENT

- A. Water for Cleaning: Clean, potable, free of oils, acids, alkalis, salts, and organic matter.

- B. Brushes: Fiber bristles.
- C. Marble Cleaner: ProSoCo or approved equal.
- D. Polyester Repair Resin: Akami Marble Repair Compound or approved equal.

PART 3 - EXECUTION

3.01 RESTORATION OF MARBLE WALL PANELS, BASE, WAINSCOTS AND TRIM PIECES

A. Cleaning Methods:

1. Cleaning shall begin with the gentlest means possible.
2. Cleaning and stain-removal products shall be tested on a small, inconspicuous area before using.
3. Do not use abrasive cleaners or mechanical equipment on stone.
4. Do not use acid-based cleaning solutions on stone because they can damage the complex silicates in a glaze. Acid-based cleaner may be needed to remove discoloration or staining caused by lime or cement mortar, but shall be tested first, used with caution, and applied only to a wetted surface.
5. Rinse after cleaning.
6. Organic growth, including mold or mildew, shall be eliminated with a dilute solution of household bleach and a neutral household detergent or a dilute (5- to 10-percent) solution of tri-sodium phosphate (TSP). After application, scrub with a natural bristle or nylon brush and rinse with clear water. Do not leave bleach solutions on stone for more than a few minutes since the alkali in the bleach can lead to the formation of a white efflorescent deposit.

B. Repair and Replacement:

1. Mortar Joint Repair: Carefully remove damaged mortar by hand and wet joints or apply a bonding agent prior to re-grouting. Use a grout that matches the old in color and consistency.
2. Install new stone panels, base and trim as required to match the appearance of existing.

END OF SECTION