SECTION 09720

WALL COVERINGS

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section describes the requirements for furnishing and installing wall coverings.

B. Related Sections:

1. Gypsum board substrates are specified in Section 09250.
2. Thermoplastic sheet panels (TPS) are specified in Section 09772.
3. Fiberglass-reinforced plastic wall panels (FRP) are specified in Section 09985.

1.02 SUBMITTALS

A. Product Data: Manufacturer's technical data and installation instructions for each type of wall covering and installation materials.

B. Samples: Full width samples of each type of wall covering, showing range of color and pattern variation; submit sets of sample moldings.

C. Certification: Manufacturer's certification that materials furnished comply with requirements specified.

D. Maintenance Instructions: Manufacturer's printed instructions for maintenance, including precautions for use of cleaning materials which could damage wall covering.

E. Extra Materials: After completion of work, deliver to Project site not less than 6-linear yards of each type, color, and pattern of wall covering installed. Furnish replacement materials from same production run as materials installed.

1.03 QUALITY ASSURANCE

A. Manufacturer: Each type of wall covering shall be produced by a single manufacturer, including recommended primers, adhesives, and sealants.

B. Installer: A firm specializing in wall covering work with not less than 3-years of experience installing wall coverings similar to those required for this Project.

C. Fire Hazard Classification: Provide materials bearing UL label and marking, indicating fire hazard classification of wall covering, as determined by ASTM E84.

1. Provide materials with flame spread not more than 25, and smoke developed not more than 50.

D. Test Panels: Install 3-test panels of full usable width for each type of wall covering to be installed, including one corner, in areas designated by Architect. Replace test panels which are not acceptable to Architect until satisfactory installation is achieved.

1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. General: Comply with manufacturers' instructions and recommendations.

B. Deliver materials to Project site in original packages or containers clearly labeled to identify manufacturer, brand name, quality or grade, and fire hazard classification.

C. Store materials in original undamaged packages or containers. Do not store rolled goods in upright position.

1.05 JOB CONDITIONS

A. Maintain constant minimum temperature of 60-deg. F. at areas of installation for at least 72-hours before and 48-hours after application of materials.

B. Illuminate areas of installation using building's permanent lighting system; temporary lighting will not be acceptable.

1.06 WARRANTY

A. Wall covering materials, when adhered to a sound surface shall be free of manufacturing defects for a period of 5-years from date of Substantial Completion. Manufacturing defects include permanent surface staining attributable to mildew and/or bleed-through of foreign impurities embedded in the backing, and separation of the vinyl from its backing. This warranty shall be in addition to and not a limitation of other rights the Owner may have against the Contractor under the Contract Documents.

PART 2 - PRODUCTS

2.01 WALL COVERINGS

A. Approved Manufacturer: Genon "Sandown" pattern or approved equal complying with CCC-W-408, Type II, medium duty with Class 2 mildew resistance and cloth backing. Colors to be selected by the Architect from "Sandown" series.

2.02 ACCESSORY ITEMS

A. Adhesives: Manufacturer's recommended Low VOC adhesive, primer, and sealer, for use with selected wall covering on indicated substrate. Provide materials that are mildew-resistant and non-staining to wall covering.

B. Release Coat: Water base sealer or enamel undercoater for substrates as recommended by wall covering manufacturer.

C. Use heavy duty clay adhesive at concrete masonry units as recommended by wall covering manufacturer.

D. Use undercover wall lining at concrete masonry units as recommended by wall covering manufacturer.

PART 3 - EXECUTION

3.01 PREPARATION

A. Acclimatize wall covering materials by removing from packaging in area of installation not less than 24-hours before application.

B. Remove switch plates, wall plates, and surface-mounted fixtures in areas where wall covering is to be applied.

C. Prime and seal substrates in accordance with wall covering manufacturer's recommendations. Apply surface sealer to gypsum drywall to permit subsequent removal of wall covering without damage to paper facing.

D. Test substrate with electronic moisture water to verify that surfaces to be covered do not exceed 4-percent moisture content.

3.02 INSTALLATION

A. Place wall covering panels consecutively in order cut from rolls, including filling of spaces above or below openings. Hang by reversing alternate strips except on match patterns.

B. Apply adhesive to back of wall covering and place in accordance with manufacturer's instructions. Install seams plumb, and at least 6-inches away from corners. Horizontal seams are not permitted. Overlap seams and double-cut to assure tight closure. Roll, brush, or use broad knife to remove air bubbles, wrinkles, blisters, and other defects; cut wall covering evenly to edges of wall penetrations.

C. Trim selvages as required to assure color uniformity and pattern match.

D. Remove excess adhesive along finished seams while it is still wet using materials and procedures recommended by wall covering manufacturer.

3.03 ADJUST AND CLEAN

A. Replace removed plates and fixtures; verify cut edges of wall coverings are completely concealed.

B. Remove surplus materials, rubbish, and debris resulting from wall covering installation, and leave areas of installation in neat, clean condition.

END OF SECTION

SECTION 09772

THERMOPLASTIC SHEET PANELS (TPS)

PART 1 - GENERAL

1.01 SUMMARY

A. This section includes thermoplastic sheet panels (TPS).

B. Related Sections:

1. Wall coverings are specified in Section 09720.

2. Fiberglass-reinforced plastic panels (FRP) are specified in Section 09985.

3. Chair rails and corner guards are specified in Section 10260.

1.02 SUBMITTALS

A. Product Data: Manufacturer's product data and installation instructions and details.

B. Samples: Minimum 12-inch square sample of each color of thermoplastic sheet panel material for verification of initial selections.

1.03 QUALITY ASSURANCE

A. Installer qualifications: Engage an installer who has not less than 3-years experience in installation of thermoplastic sheet panels similar in complexity to those required for this project.

B. Manufacturer's qualifications: Not less than 5-years experience in the production of specified products and a record of successful in-service performance.

C. Fire performance characteristics: Provide thermoplastic sheet panels with a UL label indicating that they are identical to those tested in accordance with UL-723 (ASTM-E84-91A) for Class I characteristics listed below:

1. Flame spread 20 or less

2. Smoke developed: 400 or less

1.04 PROJECT CONDITIONS

A. Store materials flat in a clean and dry area where temperature shall be maintained above 50-deg. F. Do not stand rolls on end.

B. Acclimate materials in an environment of 65- to 85-deg F. for at least 24-hours prior to beginning the installation.

C. Temperature at the time of installation shall be between 65- to 85-deg. F. and be maintained for at least 48-hours after the installation to allow for proper adhesive set up.

D. Relative humidity shall not exceed 80-percent.

E. Do not expose protective wall panels to direct sunlight during or after installation.

PART 2 – PRODUCTS

2.01 APPROVED MANUFACTURERS

A. Korosseal "Korogard" Protective Wallcovering" or approved equal.

2.02 MATERIALS

A. Protective Wallcovering: Rigid high-impact acrylic/polyvinyl chloride (PVC) sheet.

1. Thickness: 0.040-inch.

2. Color: As selected by the Architect from manufacturer's standards.

3. Texture: Haircell.

B. Adhesive: As approved by protective wall covering manufacturer.

C. Accessories: Provide 83 Inside Corner molding.

PART 3 – EXECUTION

3.01 SURFACE PREPARATION

A. Prepare walls in accordance with manufacturer's instructions.

B. Remove dust, dirt, grease, oil, loose paint, and scale.

C. Resurface uneven wall surfaces and damaged walls.

D. Seal walls with white prime seal.

3.02 INSTALLATION

A. Install thermoplastic sheet panels in accordance with manufacturer's printed installation instructions.

B. Install sheets with texture running in the same direction for uniform appearance.

C. Tightly butt to adjoining construction.

3.03 CLEANING

A. Immediately upon completion of installation, clean thermoplastic sheet panels and accessories in accordance with manufacturer's recommended cleaning method.

B. Remove surplus materials, rubbish and debris resulting from installation as work progresses and upon completion of work.

END OF SECTION