SECTION 09720

VINYL COVERED WALL PANEL

PART 1 - GENERAL

1.01 SUMMARY

A. Provide vinyl covered wall panels where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.

B. Related work:
1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.

C. Codes: Materials and work shall conform to the governing Building Code. In case of conflict between these specifications, the standard specifications, and the Building Code, the more stringent shall govern.

1.02 REFERENCES

A. American Society for Testing and Materials.
1. ASTM E84 - Surface Burning Characteristics of Building Materials.

B. Underwriters Laboratories (UL)

1.03 QUALITY ASSURANCE

A. Product Manufacturer: Company specializing in manufacturing specified products with minimum five years experience.

B. Applicator: Company specializing in installation of specified products with minimum three years experience.

1.04 FIRE-RATING REQUIREMENTS

A. ASTM E84; flame spread less than 25, smoke density less than 450.

1.05 SUBMITTALS

A. Comply with pertinent provisions of Section 01300.

B. Product data: Within 30 calendar days after the Contractor has received the Owner's Notice to Proceed, submit:
1. Materials list of items proposed to be provided under this Section;
2. Manufacturer's specifications and other data needed to prove compliance with the specified requirements;
3. Shop Drawings in sufficient detail to show installation, anchorage, and interface of the work of this Section with the work of adjacent trades;
4. Manufacturer's recommended installation procedures which, when approved by the Architect, will become the basis for accepting or rejecting actual installation procedures used on the Work.

5. Submit (3) samples of panels, no less than 12-inch-square, trim, and molding illustrating texture, color, thickness, and physical characteristics. Copies of manufacturers catalog or cut sheets are not acceptable; provide physical samples.

1.06 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to the project site with manufacturer's labels intact and legible.

B. Handle materials with care to prevent damage.

C. Store materials under cover, out of direct sunlight, stacked flat, off floor. Maintain temperature of 40-100°F

1.07 ENVIRONMENTAL CONDITIONS

A. Installation areas must be enclosed and weatherproofed before installation begins. Do not expose panels to direct sunlight during or after installation.

B. Maintain temperature range between 65° F. to 75° F. for 24 hours prior to beginning of installation and 48 hours after installation to allow adhesive to set properly. Relative humidity shall not exceed 80%.

C. Provide ventilation during and following installation. Adhesives shall comply with local air quality management district regulations.

PART 2 - PRODUCTS

2.01 WALL PANELS

A. Vinyl covered wall panels shall be Acrovyn Beveled Edge Wall Panel as manufactured by Construction Specialties, Inc., or equal.
1. Wall panels shall be of .040-inch thick acrylic/ vinyl sheet laminated to 3/8-inch thick particle board core with laminated moisture resistant backing sheet.
2. Color and texture to be as shown on plans.

2.02 ACCESSORIES

A. Accessories and trim: shall match wall panels in color and texture. Provide acrylic/ vinyl moldings, trim, and accessories as called for on plans and as necessary for a complete installation. Provide at all edges, divider joints, interior corners and exterior corners.

B. Wood molding shall be provided where designated on plans. Moldings shall be "premium grade" per Woodwork Institute standards as specified in Section 06400, in solid Maple wood with Cherry stain finish.

C. Sealant: One-part silicone, as specified in Section 07920.

D. Adhesive: Use only low-VOC adhesive per manufacturer's recommendations.

2.03 FABRICATION

A. Wall panels shall be factory laminated and supplied in sizes and shapes to be determined by field measurement. Wall panels may be cut in the field to accommodate actual conditions at time of installation.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are ready to receive the work of this Section.

B. Verify that gypsum board substrate has been taped and sanded, all joints.

C. Beginning of installation means installer accepts existing surfaces.

3.02 INSTALLATION

A. Install panels plumb, level and with all vertical joints on bearing.

B. Verify location and install all trim required. Install all trim and sealant in accordance with the manufacturer's recommendations. Use panels of maximum size possible to minimize joint lines.

3.03 CLEANING

A. Clean surfaces under provisions of Section 01710.

B. Do not allow the accumulation of debris, immediately remove spilled or splashed material and all trace of residues.

3.04 PROTECTION

A. Protect installed materials to prevent damage by other trades. Use protective materials that may be easily removed without leaving residue or permanent stains.

END OF SECTION - 09720