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101100 - Visual Display Surfaces

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SECTION 10 1100 - VISUAL DISPLAY SURFACES

1.1 SUMMARY

A. Section Includes:

1. Chalkboards.
2. Markerboards.
3. Tackboards.
4. Sliding visual display units.
5. Visual display conference units.

1.2 SUBMITTALS

A. LEED Submittal:

1. Product Data for Credit EQ 4.4: For composite wood products, documentation indicating that the product contains no urea formaldehyde.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of motor-operated, sliding visual display units required for this Project.

B. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Flame-Spread Index: 25 or less.
2. Smoke-Developed Index: 450 or less.

C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.4 CHALKBOARD ASSEMBLIES

A. Porcelain-Enamel Chalkboards: Balanced, high-pressure, factory-laminated chalkboard assembly of three-ply construction consisting of backing sheet, core material, and 0.021-inch- (0.53-mm-) thick, porcelain-enamel face sheet with matte finish.

1. Manufacturers:

- a. Best-Rite Manufacturing.
- b. Claridge Products and Equipment, Inc.

- c. Marsh Industries, Inc.; Visual Products Group.
2. Particleboard Core: 3/8 inch (9.5 mm) thick; with 0.0129-inch- (0.35-mm-) thick, galvanized-steel sheet backing.
3. Laminating Adhesive: Manufacturer's standard, moisture-resistant thermoplastic type.

1.5 MARKERBOARD ASSEMBLIES

- A. Porcelain-Enamel Markerboards: Balanced, high-pressure, factory-laminated markerboard assembly of three-ply construction consisting of backing sheet, core material, and 0.021-inch- (0.53-mm-) thick, porcelain-enamel face sheet with high-gloss finish.
 1. Manufacturers:
 - a. Best-Rite Manufacturing.
 - b. Claridge Products and Equipment, Inc.
 - c. Marsh Industries, Inc.; Visual Products Group.
 2. Particleboard Core: 1/2 inch (13 mm) thick; with 0.015-inch- (0.38-mm-) thick, aluminum sheet backing.

1.6 TACKBOARD ASSEMBLIES

- A. Natural-Cork Tackboard: 1/4-inch- (6-mm-) thick, natural cork sheet factory laminated to 1/4-inch- (6-mm-) thick particleboard backing.

1.7 SLIDING VISUAL DISPLAY UNITS

- A. Vertical-Sliding Visual Display Units: Factory-fabricated units consisting of extruded-aluminum tubular frame, fixed-rear visual display panel, and aluminum-framed vertical-sliding panels; designed for recessed mounting. Provide panels that operate smoothly without vibration or chatter.
 1. Manufacturers:
 - a. Claridge Products and Equipment, Inc.
 2. Type: Tubular frame on four sides. Unit shall be designed to support panels independent of wall.
 3. Two-Track Units: Fabricate unit with fixed rear panel covering entire rear surface. Provide two sliding panels, each equal to not less than one-half of overall height of unit.
 4. Sliding Panels: Fabricated from not less than 3/8-inch- (9.5-mm-) thick, kraft-paper honeycomb core; designed to be rigid and to resist warpage.

- a. Fabricate sliding panels with 0.021-inch (0.53-mm) uncoated thickness, porcelain-enamel face sheets.
5. Hardware: Manufacturer's standard, neoprene ball-bearing end rollers, four on each side of each sliding panel. Counterbalance each sliding panel with lead counterweights supported by steel aircraft cable over ball-bearing sheaves; with removable cover plate for access to counterweights. Provide rubber bumpers at top and bottom for each sliding panel.

1.8 VISUAL DISPLAY WALL PANELS

- A. Product: 'Bulletin Board Linoleum,' as manufactured by FORBO Linoleum, Inc.
- B. Tack Wall Panels: With tackable surface.
 1. Linoleum Resilient Homogenous Material: 1/4-inch thick, linoleum resilient homogenous sheet, on jute backing, for direct application to wall surface.

1.9 ACCESSORIES

- A. Field-Applied Wood Trim.
- B. Chalktray: Manufacturer's standard, continuous.
 1. Box Type: Extruded aluminum with slanted front, grooved tray, and cast-aluminum end closures.
- C. Map Rail: Satin anodized aluminum.
 1. Display Rail: Continuous and integral with map rail; fabricated from cork approximately 1 to 2 inches (25 to 50 mm) wide.
 2. End Stops: Located at each end of map rail.
 3. Map Hooks: Two map hooks for every 48 inches (1219 mm) of map rail or fraction thereof.

END OF SECTION 10 1100