SECTION 101100 - VISUAL DISPLAY SURFACES

ALL LIBRARIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Lockable Tack Boards.
2. Tack Boards.

1.3 DEFINITIONS

A. Tack board: Framed or unframed, tackable, visual display board assembly.

B. Visual Display Board Assembly: Visual display surface that is factory fabricated into composite panel form, either with or without a perimeter frame; includes chalkboards, marker boards, and tack boards.

C. Visual Display Surface: Surfaces that are used to convey information visually, including surfaces of chalkboards, marker boards, tack boards, and surfacing materials that are not fabricated into composite panel form but are applied directly to walls.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for visual display surfaces.

B. Shop Drawings: For visual display surfaces. Include plans, elevations, sections, details, and attachments to other work.

1. Include sections of typical trim members.

C. Samples for Verification: For each type of visual display surface indicated.

1. Visual Display Surface: Not less than 8-1/2 by 11 inches (215 by 280 mm), mounted on substrate indicated for final Work. Include one panel for each type, color, and texture required.
2. Trim: 6-inch- (152-mm-) long sections of each trim profile.

D. Product Schedule: For visual display surfaces. Use same designations indicated on Drawings.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified Installer.

B. Warranties: Sample of special warranties.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For visual display surfaces to include in maintenance manuals.

1.7 QUALITY ASSURANCE

A. Source Limitations: Obtain visual display surfaces from single source from single manufacturer.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver factory-built visual display surfaces, including factory-applied trim where indicated, completely assembled in one piece without joints.

B. Store visual display surfaces vertically with packing materials between each unit.

1.9 PROJECT CONDITIONS

A. Environmental Limitations: Do not deliver or install visual display surfaces until spaces are enclosed and weathertight, wet work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

A. Natural Cork Sheet: Seamless, single-layer, compressed fine-grain cork sheet; bulletin board quality; face sanded for natural finish.

B. Hardboard: ANSI A135.4, tempered.

C. Particleboard: ANSI A208.1, Grade M-1, made with binder containing no urea formaldehyde.

D. Fiberboard: ASTM C 208.

E. Extruded Aluminum: ASTM B 221 (ASTM B 221M), Alloy 6063.

F. Adhesives: Manufacturer's standard product that complies with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

G. Heat-Treated Float Glass: ASTM C 1048; Type I; Quality-Q3; Class I (clear) unless otherwise indicated; of kind and condition indicated.

1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.
2. For uncoated glass, comply with requirements for Condition A.

2.2 TACK BOARD ASSEMBLIES (LOCKABLE)

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

B. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings, 48” by 36” Enclosed Cork Board with Locking Doors by Displays2Go, or comparable product by one of the following:

1. AARCO Products, Inc.
2. Best-Rite Manufacturing.
3. Displays2Go.
4. Ghent Manufacturing, Inc.
5. Marsh Industries, Inc.; Visual Products Group.

C. Natural-Cork Tack board: 1/8-inch- (3-mm-) thick, natural cork sheet factory laminated to 3/8-inch- (9.5-mm-) thick fiberboard backing.

D. SKU Number: CBSD43SV.

E. Overall Dimensions: 48 inches wide by 36 inches high by 2 inches deep.

F. Viewable Dimensions: 45 inches wide by 33 inches high.

G. Weight: 35.0 lbs.

H. Material: Aluminum.

I. Color: Silver.

J. Placement Style: Wall mounted.

K. Loading or Door Style: Sliding.

L. Features: Lockable.

M. Type: Cork.

N. Lens Material: 1/8-inch thick tempered glass.

2.3 TACK BOARD ASSEMBLIES

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

B. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings, 48" by 36" Enclosed Cork Board with Locking Doors by Displays2Go, or comparable product by one of the following:

1. AARCO Products, Inc.
2. Best-Rite Manufacturing.
3. Displays2Go.
4. Ghent Manufacturing, Inc.
5. Marsh Industries, Inc.; Visual Products Group.

C. Natural-Cork Tack board: 1/8-inch- (3-mm-) thick, natural cork sheet factory laminated to 3/8-inch- (9.5-mm-) thick fiberboard backing.

D. SKU Number: CRKAL4896.

E. Overall Dimensions: 96 inches wide by 48 inches high.

F. Bulletin Surface Dimensions: 95 inches wide by 47 inches high.

G. Weight: 33.0 lbs.

H. Material: Aluminum.

I. Color: Silver.

J. Placement Style: Wall mounted.

K. Loading or Door Style: Open Face.

L. Type: Cork.

2.4 FABRICATION

A. Tack Board Units: Factory assemble tack board unit unless otherwise indicated.

1. Where factory-applied trim is indicated, trim shall be assembled and attached to tack board unit at manufacturer's factory before shipment.

B. Aluminum Frames and Trim: Fabricate units straight and of single length. Miter corners to a neat, hairline closure.

1. Where factory-applied trim is indicated, trim shall be assembled and attached to visual display units at manufacturer's factory before shipment.

2.5 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.6 ALUMINUM FINISHES

A. Color Anodic Finish: AAMA 611, AA-M12C22A32/A34, Class II, 0.010 mm or thicker.

2.7 VISUAL DISPLAY SURFACE SCHEDULE

A. Tack Board (Lockable): Factory assembled.

1. Tack Surface: Natural-cork tack board assembly.
2. Corners: Square.
3. Width: As indicated on Drawings, 48 inches.
4. Height: As indicated on Drawings, 36 inches.
5. Mounting: Wall.
6. Mounting Height: As indicated on Drawings.
7. Edges: Concealed by trim.

a. Factory-Applied Aluminum Trim: Manufacturer's standard style, with color anodic finish.

1) Color: Silver.

B. Tack Board: Factory assembled.

1. Tack Surface: Natural-cork tack board assembly.
2. Corners: Square.
3. Width: As indicated on Drawings, 96 inches.
4. Height: As indicated on Drawings, 48 inches.
5. Mounting: Wall.
6. Mounting Height: As indicated on Drawings.
7. Edges: Concealed by trim.

a. Factory-Applied Aluminum Trim: Manufacturer's standard style, with color anodic finish.

1) Color: Silver.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, surface conditions of wall, and other conditions affecting performance of the Work.

B. Examine walls and partitions for proper preparation and backing for visual display surfaces.

C. Examine walls and partitions for suitable framing depth where sliding visual display units will be installed.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Comply with manufacturer's written instructions for surface preparation.

B. Clean substrates of substances that could impair the performance of and affect the smooth, finished surfaces of visual display boards, including dirt, mold, and mildew.

3.3 INSTALLATION, GENERAL

A. General: Install visual display surfaces in locations and at mounting heights indicated on Drawings, or if not indicated, at heights indicated below. Keep perimeter lines straight, level, and plumb. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for complete installation.

3.4 INSTALLATION OF FACTORY-FABRICATED VISUAL DISPLAY BOARDS AND ASSEMBLIES

A. Visual Display Boards: Attach concealed clips, hangers, and grounds to wall surfaces and to visual display boards with fasteners at not more than 16 inches (400 mm) o.c. Secure both top and bottom of boards to walls.

3.5 CLEANING AND PROTECTION

A. Clean visual display surfaces according to manufacturer's written instructions. Attach one cleaning label to visual display surface in each room.

B. Touch up factory-applied finishes to restore damaged or soiled areas.

C. Cover and protect visual display surfaces after installation and cleaning.

END OF SECTION 101100