

10 11 00 – Visual Display Surfaces

DIVISION 10 - Specialties



STATEMENT OF PURPOSE & BACKGROUND

- Scope:
 - Field applied visual display surfaces – markerboards, tackboards, and visual display rails.
- Statement of goals:
 - Provide a consistent, high quality visual display surface system that is functional and aesthetic:
 - Is durable, safe, and secure.
 - Reduce operating and replacement costs.
- Revision history of section:
 - 03/19/13
 - 10/17/15
 - 01/11/19
 - 12/28/2023 (*Added Marker Wall product*)

SELECTION AND APPLICATION CRITERIA

Application	Selection
Existing wood framed chalkboard/tackboard	Custom-sized per installation. Aluminum framed whiteboard with no marker tray. Whiteboard to be sized within 1/8" of existing wood trim.
Existing metal framed chalkboard/tackboard	Remove and replace with new whiteboard. Whiteboard to cover all wall repair needed from removal of old unit. Sizes to be determined.
Existing or new wall	New whiteboard, 4' x 8' typical, but up to 16' length may be utilized where required. 5' high units may be specified in specific locations.
Tack Boards	Aluminum framed cork, 4' x 4' or as specified.
Display Rail for walls	Aluminum framed cork rail.

OUTLINE SPECIFICATION

- Part 1 General
 - Extra Materials
 - Contractor to not supply any additional attic stock unless directed otherwise by Owner.
- Part 2 Products
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
 - Acceptable Manufacturers
 - Visual Display Surfaces:
 - Addendum Ten Company
 - Claridge Products and Equipment, Inc.
 - W. E. Neal Slate Company

- Materials For Visual Display Surfaces
 - Marker Board:
 - Writing Surface Face Sheet
 - Up to 4 feet high and 16 feet long: One piece 28 gauge minimum enameling steel with porcelain/ceramic finish fused to steel sheet; finish to be Type A acid resistant.
 - Up to 5 feet high and 16 feet long: One piece 24 gauge minimum enameling steel with porcelain/ceramic finish fused to steel sheet; finish to be Type A acid resistant.
 - Low or reduced gloss white finish; no substitution of finish allowed. Finish to be optimized for projection surface and durability according to manufacturer.
 - No seams in marker board surfaces used for projection.
 - Provide marker board with music staff lines at music/band/choral rooms in sizes as specified and/or shown on drawings.
 - Writing Surface Core Material
 - Up to 4 feet high and 16 feet long: minimum ½" gypsum core with .001 aluminum foil moisture barrier back.
 - Up to 5 feet high and 16 feet long: minimum ½" particle board core with .015" aluminum sheet moisture barrier back.
 - At Projection surfaces: minimum ½" MDF core. Boards for projection to be mounted with continuous horizontal Z-bar hangers to prevent warpage or distortion of boards.
 - Do not provide cork tack strip or map rail on marker boards used for projection as they obstruct the projected image.
 - Assembly
 - All components to be pressure laminated with waterproof laminating adhesive.
 - Tack Board:
 - Natural Cork Face Sheet
 - Seamless, single-layer, self-sealing, ¼" compressed fine-grain natural cork sheet; bulletin quality, and face sanded for natural finish and laminated to 3/8" fiberboard or other low density panel.
 - Minimum thickness as needed to provide composite panel with 5/8" overall thickness.
 - Size: height to be 4 feet typical, up to 16 feet wide in length without a joint.
 - Assembly
 - All components to be pressure laminated with waterproof laminating adhesive.
 - Extruded Aluminum Frames and Trim:
 - Extruded Aluminum
 - Frames and Trim shall be 6063 alloy grade aluminum and fabricated from not less than 0.062 inch (1.57 mm) thick extruded aluminum with clear anodic finish, 0.010 mm
 - Fabricate units straight and of single lengths, keeping joints to a minimum. Miter corners to a neat, hairline closure.

- Markerboard and Tackboard Accessories:
 - Marker Tray
 - Standard continuous, hollow, box type extruded aluminum with slanted front, grooved tray and end closers at bottom of each markerboard unit; (or)
 - Standard continuous, solid, blade-type extruded aluminum with ribbed section, and end closers at bottom of each markerboard unit.
 - Omit marker tray at installations applied over existing display boards with existing trays, and at installations within gymnasiums, cafeterias, and other specific locations per District direction.
 - Map and Display Rails
 - Standard continuous cork insert, one or two inches wide, with end stops located at each end of display rail.
 - Display rail locations in classrooms, corridors and other areas to be determined on a project by project basis with SPPS Project Manager and School and District staff.
 - Do not provide cork tack strip or map rail on marker boards used for projection as they obstruct the projected image.
 - One map hook and flexible metal clip for every 2 lineal feet of map rail or fraction thereof located in classrooms.
 - One flag holder per classroom.
 - Clamping action extruded aluminum paper holder.
 - Omit rail accessories and allow space for using existing accessories when installing over existing chalkboards.
 - Marker Wall
 - Basis of Design; Clairidge 'Wall Write' Marker Wall. Size and location as indicated.
- Part 3 Execution
 - Per Consultant / or manufacturer specification.
 - All display boards, tack boards and marker boards shall be factory-built units ready for assembly and installation.
 - Typical mounting heights:
 - For Pre-K, K, and grades 1-3: mount bottom of 4 foot high marker boards and tack boards at 30 inches AFF. Mount bottom of 5 foot high marker boards at 24 inches AFF.
 - For grades 4 and up, and locations such as conference rooms, staff lounges, cafeterias, gymnasiums and other adult-use spaces: mount bottom of 4 foot high marker boards and tack boards at 36 inches AFF.
 - At all locations using 5 foot high marker boards, mount bottom of boards at 24 inches AFF.
 - Mounting heights may vary from these heights if discussed with SPPS Project Manager.
 - Display rails: verify sizes, quantities, locations and mounting heights with SPPS Project Manager.

End of Section