PART 0 A/E INSTRUCTIONS

0.01 GENERAL DESIGN REQUIREMENTS

A. Chalkboards are not to be used unless directed in writing by the DPS Project Manager, and then only in specific approved locations.

B. All Markerboards and Tackboards shall be mounted with perimeter trim and abutted to each other. No 'T'molding is permitted.

C. Gymnasiums shall get one (1) 4' by 4' markerboard with tray (minimum 12" long) mounted at the top of the board and with rounded edge trim.

D. Classroom Markerboards

1. Typical classrooms shall have at least two (2) markerboards of at least 12' length.
2. Mount markerboards on opposing walls.
3. Preferred Mounting Height (to bottom of the board)
   a) Kindergarten/ECE: 25" AFF. Per Children's ADA standards.
   b) Grades 1 and 2: 27"AFF. Per Children's ADA standards
   c) Grades 3 to 5: 30" AFF. Per Children's ADA standards
   d) Grades 6 to 12: 36"AFF. Per ADA standards

E. Classroom Tackboards

1. Provide a minimum of Four (4) tackboards of 4' width .in each classroom
2. Location: at each end of markerboards where possible.
3. Locate a minimum of 3'-0" from egress doorway.

PART 1 GENERAL

1.02 WARRANTY

A. Provide written 25-year warranty, signed by the manufacturer, to replace markerboards that do not retain original writing and erasing qualities. Included are surfaces that exhibit crazing, cracking, or flaking due to causes other than improper care and maintenance.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Provide marker/tackboards as manufactured by one of the following:

1. Claridge
2. Alinc
3. Ghent
4. Greensteel
5. Nelson/Adams

2.02 MATERIALS

A. Markerboard

1. Ruling, when ordered for use in music and math rooms, shall be factory-applied and permanently fused on the writing surface. Provide 1/8" black lines on markerboards.
2. Core to be 7/16" minimum thickness particleboard with 0.005" aluminum foil backing.
3. Writing surfaces shall be porcelain-enameled finish on 24-gage enameling-grade steel - no exceptions.

B. Tackboard

1. Tacking surface to be cloth-backed vinyl with a Class A fire rating.
2. Backing to be ½" minimum thickness fiberboard.

C. Trim

1. Trim shall be natural anodized finish extruded aluminum. All markerboards and tackboards shall have continuous edge trim.
2. Trim pieces (Claridge numbers are referenced. Each manufacturer to provide its respective matching trim).
   a) Perimeter: No. 180
   b) Head trim: No. 181 with cork insert.
   c) Marker tray: No. 371A
   d) Map hooks: No. 51M (provide one per each two lineal feet of length).
   e) Map rail (installed alone): No. 51 complete with cork insert, 5/8" minimum thickness.
   f) End stops: No. 51ES
   g) Flag holder: No. 51FH one per classroom.

2.03 FABRICATION

A. Markerboards

1. Provide head trim on top edge and marker rail on bottom edge.
2. Provide perimeter trim on vertical edges.
3. Ends of marker tray corners to be radiused ½" minimum.
4. Provide factory-assembled units in one piece up to 12' long or manufacturer's maximum available length, not less than 12'. Where the total length exceeds that above specified, provide two or more pieces of equal length and join with manufacturer's standard mullion trim.
5. Porcelain markerboard face sheets shall be permanently bonded to the core by the factory.

B. Tackboards

1. Vinyl tack surfacing shall be permanently factory bonded to backing.
2. Provide perimeter trim on all edges (mitered corners only).
3. Joints in trim shall occur only at a mitered corner or center of bottom edge of board.

C. Miscellaneous

1. Each total length of markerboard, and tackboard shall be trimmed and mounted individually.
2. All boards to have map rail/tackstrip mounted on top edge (full length).
3. Provide end caps for all map rail/tackstrip ends.
4. Provide one flag holder per room containing a markerboard.

PART 3 EXECUTION

3.01 INSTALLATION

A. Use manufacturer's wall clips at top and bottom of boards, spaced not to exceed 24" O.C.

B. Apply mastic on back of boards adequately to prevent boards from bowing away from wall surface. Apply in an alternating (2-1-2) pattern at 24" on-center for full length of board.

C. Brackets to be fastened to wall with screws in proper anchor inserts for each wall material encountered. Installation on gypsum wallboard walls shall be into solid continuous firetreated wood blocking.

E. Provide map hooks on headsails of markerboard. Provide one (1) map hook for each 2' length of board, but not less than two (2) on boards 4' or less in length. Provide end stops on all terminal ends.

F. Provide map rails with concealed screws in proper anchor inserts for each wall material encountered. Spacing of screws not to exceed 24" on-center. Provide end stops on all terminal ends.

END OF SECTION 10100