

SECTION 101100 VISUAL DISPLAY SURFACES

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.2 SECTION INCLUDES

- A. The Work of this Section includes all labor, materials, equipment and services necessary to complete the visual display surfaces as shown on the drawings and/or specified herein, including but not necessarily limited to the following:
 - 1. Porcelain on metal markerboards.
 - 2. Plastic impregnated tackboards.
 - 3. Frames and trim.

1.3 RELATED SECTIONS

- A. Gypsum Drywall - Section 092900.

1.4 QUALITY ASSURANCE

- A. Qualifications of Installers: For installation of markerboards and tackboards, use only personnel who are thoroughly trained and experienced in the skills involved and who are completely familiar with the manufacturer's recommended methods of installation.
- B. Installation Methods: The recommended installation methods of the manufacturer shall become the basis for acceptance or rejection of actual installation methods used in the work.
- C. Manufacturer: Furnish all chalkboards markerboards and tackboards by one manufacturer for entire project.

1.5 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data and installation instructions for each material and component part, including data substantiating that materials comply with requirements.
- B. Shop Drawings: Submit for each type of markerboard and tackboard. Include sections of typical trim members and dimensioned elevations. Show anchors, grounds, reinforcement, accessories, and installation details.
- C. Samples: Submit full range of color samples for each type of markerboard, tackboard, trim and accessories required. Provide 12" square samples of sheet materials and 12" lengths of trim members for color verification after selections have been made.

1.6 SPECIAL PROJECT WARRANTY

- A. Warranty on Porcelain Enamel Markerboards: Provide written warranty, signed by manufacturer, agreeing to replace, within warranty period of twenty-five (25) years porcelain enamel chalkboards markerboards which do not retain original writing and erasing qualities, defined to include surfaces which become slick and shiny, or exhibit crazing, cracking or flaking; provide manufacturer's instructions for handling, installing, protecting and maintaining chalkboards markerboards have been adhered to during the warranty period. Replacement is limited to material replacement only and does not include labor for removal and reinstallation.

1.7 PRODUCT HANDLING

- A. Protection: Use all means necessary to protect the materials of this Section before, during and after installation and to protect the installed work and materials of all other trades.
- B. Replacements: In the event of damage, immediately make all repairs and replacements necessary.

PART 2 - PRODUCTS

2.1 MARKERBOARDS

- A. Construction
 - 1. Porcelain surface on 24 ga. steel, designed for chalkboard markerboard application, in color as selected by the Architect.
 - 2. Core to be 3/8" particleboard.
 - 3. Backer sheet to be 0.015" aluminum.
 - 4. Trim to be extruded aluminum, designed for concealed fastenings, clear anodized finish with chalk marker tray.
 - 5. Sizes as shown on drawings; use maximum size available to eliminate seams. Where seams must be used, provide seaming diagram for Architect's acceptance.
- B. Manufacturers: Provide markerboards manufactured by Greensteel, Inc., Claridge Products and Equipment Inc., AARCO Products, Inc. Carolina Chalkboard Co., or approved equal.

2.2 TACKBOARDS

- A. Construction
 - 1. Provide 1/4" thick vinyl-impregnated cork tackboards in color as selected by the Architect.
 - 2. Provide 1/4" thick fiberboard core.
 - 3. Trim to be extruded aluminum designed for concealed fastenings, clear anodized finish.
- B. Manufacturers: Provide tackboards manufactured by Greensteel Inc., Claridge Products and Equipment Inc., AARCO Products, Inc. Carolina Chalkboard Co., or approved equal.

2.3 ACCESSORIES

- A. Map Rail: Furnish map rail at top of each unit, unless otherwise indicated, with the following accessories for each map rail:
 - 1. Display Rail: Continuous cork approx. 2" wide, integral with map rail.
 - 2. End Stops: One at each end of map rails.
 - 3. Map Hooks: 2 for each 4' of map rail or fraction thereof.
 - 4. Flagholder: One for each room.
- B. Provide clips, anchors and fasteners required for complete installation.

2.4 FABRICATION

- A. Assembly: Provide factory-assembled markerboard and tackboard units unless field-assembled units indicated
- B. Make joints only where total length exceeds maximum manufactured length. Fabricate with minimum number of joints, balanced around center of board, as acceptable to Architect.
 - 1. Provide manufacturer's standard vertical joint system between abutting sections of markerboard.
 - 2. Provide mullion trim at joints between chalkboard markerboard and tackboards.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine the areas and conditions where chalkboards markerboards and tackboards are to be installed and correct any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions are corrected to permit proper installation of the work.

3.2 INSTALLATION

- A. Deliver factory-built chalkboard markerboard and tackboard units completely assembled in one piece without joints, whenever possible. Where dimensions exceed panel size, provide 2 or more pieces of equal length as acceptable to the Architect. When overall dimensions require delivery in separate units, prefit at factory, disassembled for delivery, and make final joints at site. Use splines at joints to maintain surface alignment.
- B. Install units in locations and mounting heights as shown on drawings and in accordance with manufacturer's instructions, keeping perimeter lines straight, plumb and level. Provide all grounds, clips, backing materials, adhesives, brackets, anchors, trim and accessories for complete installation.
- C. Coordinate job-assembled units with grounds, trim and accessories. Join all parts with neat, precision fit.

3.3 ADJUST AND CLEAN

- A. Verify accessories required for each unit properly installed and operating units properly functioning.
- B. Clean units in accordance with manufacturer's instructions, breaking in only as recommended.

3.4 LOCATIONS

A. Marker Boards:

- 1. Marker Boards shall be provided and installed in the following locations:
 - a. Conference Rooms: (1) 4'x8' unit
 - b. Meeting Room: (1) 4'x6' unit
 - c. Training Rooms: (2) 4'x8' units

B. Tack Boards:

- 1. Tack Boards shall be provided and installed in the following locations:
 - a. Break Rooms: (1) 4'x4' unit
 - b. Locker Rooms: (1) 4'x4' unit
 - c. Maintenance Rooms: (1) 4'x4' unit
 - d. Training Rooms (1) 4'x4' unit
 - e. Copy/Print Rooms: (1) 4'x8' unit
 - f. HS Bldg Floor 1: (4) 4'x8' units
 - g. Central Supply: (2) 4'x8' units
 - h. Per Department: (2) 4'x4' units
 - i. Misc Additional: (4) 4'x4', (2) 4'x8' units

END OF SECTION 101100