

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 whiteboards.
 - 2. Tackboard surfacing.

1.3 RELATED SECTIONS

- A. Architectural Woodwork - Section 064023.
- B. Gypsum Board Assemblies - Section 092116.
- ~~C. Laboratory Casework - Section 123553.~~

1.4 QUALITY ASSURANCE

- A. Qualifications of Installers: For installation of whiteboards 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 whiteboards 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 whiteboard 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 whiteboard, 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 Whiteboards: Provide written warranty, signed by manufacturer, agreeing to replace, within warranty period of twenty-five (25) years porcelain enamel whiteboards 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 whiteboards 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 WHITEBOARDS

- A. Construction
 - 1. Porcelain surface on 24 ga. steel, designed for whiteboard application, in color as selected by the Architect.
 - 2. Core to be 3/8" particle board.
 - 3. Backer sheet to be .015" aluminum.
 - 4. Trim to be as indicated on the drawings and specified in other sections.
 - 5. Sizes as shown on drawings; fabricated from 5-foot wide sheets; use maximum size available to eliminate seams. Where seams must be used, provide seaming diagram for Architect's acceptance.
- B. Manufacturers: Provide whiteboards manufactured by Polyvision, Claridge Products and Equipment Inc., Carolina Chalkboard Co., or approved equal.

2.2 TACKBOARDS

- A. Provide surfacing fabricated from 1/4" thick fine-grained colored linoleum made of linseed oil, granulated cork, rosin binders and dry pigments mixed and calendered onto natural jute backing; equal to "Bulletin Board" as manufactured by Forbo, or equivalent of Armstrong, Congoleum, or approved equal.

1. Color: To be selected by the Architect.
- B. Linoleum surfacing shall be one piece, no seams; fabricated from 6-foot wide sheets; see drawings for dimensions.
- C. Adhere to substrate using adhesive recommended by the manufacturer.

2.3 ACCESSORIES

- A. Provide clips, anchors and fasteners required for complete installation.

2.4 FABRICATION

- A. Assembly: Provide factory-assembled whiteboard 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 whiteboard.
 2. Provide mullion trim at joints between whiteboard and tackboards.

PART 3 EXECUTION

3.1 INSPECTION

- A. Examine the areas and conditions where visual display surfaces 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 whiteboard 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.

END OF SECTION