

Additional Bidding Information

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.2 DESCRIPTION OF WORK:

- A. Extent of chalkboards is shown on drawings.
- B. Types of chalkboards specified in this section include the following:
 - 1. Porcelain enamel marker boards (for liquid chalk).
- C. Directories and bulletin boards are included elsewhere in Division 10.
- D. Specialty signs are included elsewhere in Division 10.

1.3 QUALITY ASSURANCE:

- A. Manufacturer: Furnish all chalkboards by a single manufacturer for the entire project.

1.4 SUBMITTALS:

- A. Shop Drawings: Submit shop drawings for each type of chalkboard. Include sections of typical trim members and dimensioned elevations. Show anchors, grounds, reinforcement, accessories, and installation details.
- B. Product Data: Submit manufacturer's technical data and installation instructions for each material and component part, including data substantiating that materials comply with requirements.
- C. Samples: Submit full range of color samples for each type of chalkboard, 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.

1.5 SPECIAL PROJECT WARRANTY:

- A. Porcelain Enamel Chalkboards Warranty: Furnish the manufacturer's written warranty, agreeing to replace, for the lifetime of the building, porcelain enamel chalkboards that do not retain their original writing and erasing qualities, become slick and shiny, or exhibit crazing, cracking or flaking, provided manufacturer's instructions with regard to handling, installation, protection and maintenance have been followed. Replacement is limited to material replacement only; labor for removal and reinstallation is not included.

2.1 ACCEPTABLE MANUFACTURERS:

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products which may be incorporated in the work include, but are not limited to, the following:

1. Manufacturers of Magnetic Porcelain Enamel Marker Boards:

- a. A-1 Visual Systems.
- b. Alliancewall Corp.
- c. Best-Rite Chalkboard, Co.
- d. Carolina Chalkboard Co.
- e. Claridge Products and Equipment, Inc.
- f. Greensteel Inc.
- g. Nelson-Adams Co.
- h. Penninsular Slate Co.
- i. Weber Costello Co.

2.2 MATERIALS:

A. Porcelain Enamel Chalkboards: Provide balanced, high pressure laminated porcelain enamel chalkboards of 3-ply construction consisting of facing sheet, core materials and backing.

1. Facing Sheet: Provide facing sheet of 24-gage enameling grade steel sheet especially processed for temperatures used in coating porcelain on steel. Coat the exposed face with 3-coat process consisting of primer, ground coat and color cover coat, and the concealed face with a 2-coat process consisting of primer and ground coat. Fuse cover and ground coats to the steel at the manufacturer's standard firing temperatures, but not less than 1200 deg.F (649 deg.C).
 - a. Proprietary Facing Sheet: At the Contractor's option provide 24-gage, "Vitracite", porcelain enamel clad, type 1 stretcher-leveled aluminized steel facing sheet, as manufactured by Claridge Products and Equipment, Inc. in lieu of the facing sheet construction specified above. Fuse porcelain enamel coating to sheet facing steel at approximately 1,000 deg.F (538 deg.C).
2. Cover Coat: Provide the manufacturer's standard light colored special writing surface with gloss finish intended for use with liquid felt tipped markers.
3. Core: Provide the manufacturer's standard 7/16" thick particleboard core material complying with the requirements of ANSI A208.1, Grade 1-M-1.
4. Panel Edges: Provide porcelain enamel panel edges at butt joints.
5. Backing Sheet: Provide the manufacturer's standard 0.015" thick aluminum sheet backing.
6. Laminating Adhesive: Provide the manufacturer's standard moisture-resistant thermoplastic type adhesive.

- 1
2 B. Joints: Where vertical joints occur, a fourteen gauge continuous concealed steel spline
3 shall be fitted tightly into grooves in the core material. All rabbeting to be done at the
4 factory so as to give a smooth butt joint. Exposed metal joint covers will not be
5 acceptable.
6
7 C. Metal Trim and Accessories: Fabricate frames and trim of not less than 0.062" thick
8 aluminum alloy, size and shape as indicated to suit type of installation. Provide straight,
9 single length units wherever possible; keep joints to minimum.
10
11 1. Clear Anodized Finish: Furnish exposed aluminum trim, accessories and
12 fasteners with the manufacturer's standard satin anodized finish with clear anodic
13 coating complying with AA requirements for Class II Architectural Coating (AA-
14 A31).
15
16 D. Adhesive: Provide adhesive as recommended by chalkboard manufacturer for the
17 installation as detailed.
18

19 2.3 FABRICATION:

- 20
21 A. Magnetic Porcelain Enamel Chalkboards: Laminate facing sheet and backing sheet to
22 core material under pressure with manufacturer's recommended flexible, waterproof
23 adhesive.
24
25 B. Assembly: Provide factory-assembled chalkboard and tackboard units, except where
26 field assembled units are required.
27
28 1. Make joints only where indicated.
29
30 2. Provide the manufacturer's standard vertical joint spline system between abutting
31 sections of chalkboard.
32
33

34 **PART 3 - EXECUTION**

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36 3.1 PREPARATION:

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38 A. Field Measurements: Take field measurements prior to preparation of shop drawings
39 and fabrication where possible, to ensure proper fitting of work. Allow for trimming and
40 fitting wherever taking of field measurements before fabrication might delay work.
41

42 3.2 INSTALLATION:

- 43
44 A. Deliver factory-built chalkboard units completely assembled in one piece without joints,
45 whenever possible. Where dimensions exceed panel size, provide 2 or more pieces of
46 equal length as acceptable to the Architect. When overall dimensions require delivery
47 in separate units, prefit components at the factory, disassemble for delivery, and make
48 final joints at site.
49
50 B. Install units in locations and at mounting heights indicated and in accordance with the
51 manufacturer's instructions. Keep perimeter lines straight, plumb, and level. Provide

1 all grounds, clips, backing materials, adhesives, brackets, anchors, trim, and
2 accessories necessary for complete installation.

- 3
4 1. Units shall be butt joint (no trim) within field of writing surface. Manufacturer metal
5 trim at ends.

6
7 C. Coordinate job-site assembled units with grounds, trim, and accessories. Join all
8 parts with neat, precision fit.
9

10 3.3 ADJUST AND CLEAN:

- 11
12 A. Verify that accessories required for each unit have been properly installed and that
13 operating units properly functioning.
14
15 B. Clean units in accordance with the manufacturer's instructions. Break-in chalkboards
16 only as recommended by the manufacturer.
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