SECTION 10100
VISUAL DISPLAY BOARDS

PART 1- GENERAL

1.1 SUMMARY:

A. Section Includes:
   1. Coated steel markerboards.
   2. Coated steel chalkboards.
   3. Operable units.
   4. Tackboards.
   5. Building Directories

B. Related Sections:
   1. Section 04200 - Unit Masonry: Masonry back-up.
   2. Section 09260 - Gypsum Board Systems: Drywall back-up.

1.2 SUBMITTALS:

A. Manufacturer's Data:
   1. Certification Requirements:
      a. Certify that products furnished for this project are asbestos free.
      b. Certify that products meet or exceed specification requirements.
   2. Maintenance:
      a. Instructions for proper maintenance and cleaning.

B. Submit shop drawings under provisions of Section 01300.

C. Provide sample of each type of visual display board, minimum size 12" x 12" with 12" length of applicable trim and chalkthrough in specified colors and finish.

1.3 QUALITY ASSURANCE:

A. Furnish all visual display boards by one manufacturer for the entire project.

B. Fire Hazard Classification: Provide tackboards which have been tested in accordance with ASTM E84 and shown to have flame spread of 25 or less, fuel contributed and smoke developed of 25 of less.

1.4 WARRANTY:

A. Provide written 25 year warranty, signed by manufacturer, agreeing to replace porcelain enamel visual display boards which delaminate, sag, do not retain original writing and erasing qualities, defined to include surfaces which become slick and shiny, or exhibit
crazing, cracking or flaking; provided manufacturer's instructions for handling, installing, protecting and maintaining boards have been adhered to during the warranty period.

B. Replacement is limited to material replacement only and does not include labor for removal and reinstallation after the first year.

PART 2 - PRODUCTS

2.1 MANUFACTURERS:

A. Claridge Products and Equipment, Inc.
B. Ghent Manufacturing, Inc.
C. Greensteel Division of IDT, Inc.
D. Lemco Corp.
E. Nelson-Adams, Division of A. Lawer Corp.
F. APCO

2.2 CHALKBOARDS AND MARKERBOARDS:

A. Boards shall be minimum 24 gage Porcelain Steel Board on medium density fiberboard core complying with ANSI A208.1, Grade 1-M-1, with aluminum trim. Do not use aluminum trim between sections of chalkboards or markerboards.

B. Operable Units: Provide operable units of configuration required and designed in accordance with the standard details following this section. Equip each operable panel with fly wheel and chain designed to produce smooth and easy operation without rattles.

C. Colors:

1. Chalkboards: Preference order is black and charcoal, (green is not desired).

D. Trim: Provide tackable strip full length at top of boards and include map holders.

WOOD TRIM TO BE USED ONLY WITH APPROVAL OF UCB STAFF OR TO MATCH EXISTING BUILDING CONDITIONS.

VERIFY WITH UCB STAFF IF ANY SILK SCREENED IMAGES ARE REQUIRED ON BOARDS.

PROVIDE EASY ACCESS TO SCREWS, CABLES AND PULLEYS ON CHALKBOARDS AND REMOVABLE TRIM
E. Unit Thickness: 1/2" minimum.

2.3 TACKBOARDS:
   A. Surface: 1/4" cork or vinyl fabric over 1/16" cork.
   B. Backing: Fiberboard.
   C. Unit Thickness: 1/2" minimum.

2.4 BUILDING DIRECTORIES:
   A. Building directories shall be APCO brand Visulex 2100 series or approved equal.

PART 3 - EXECUTION

3.1 INSTALLATION:
   A. Surface mount chalkboards and markerboards with chalk rail, map holders, and two moveable flagholders installed.
   B. "Chalk-in" all chalkboards prior to acceptance.
   C. Install chalkboards and markerboards to place chalk tray at 36" above finished floor with top no higher than 7'-0".
   D. Avoid "T" astragal or trims that break-up the writing surface.

END OF SECTION 10100