

SECTION 101200 DISPLAY CASES

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. Work of this Section includes all labor, materials, equipment, and services necessary to complete the display cases as shown on the drawings and/or specified herein.
 - 1. Wood-framed, glazed display cases with tackboard panel back surface and adjustable shelves.

1.3 RELATED SECTIONS

- A. Carpentry - Section 062000.
- B. Electrical - Division 26.

1.4 QUALITY ASSURANCE

- A. Qualifications of Installers: For installation of display cases, 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. Field measure prior to preparation of shop drawings and fabrication to ensure proper fit.

1.5 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data and installation instructions for each material and component part, including construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: Submit detailed drawings for display cases. 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 product, trim and accessory required. Provide 12" square samples of sheet materials and 12" lengths of trim members for color verification after selections have been made.

1.6 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 DISPLAY CASES

- A. Provide factory-fabricated, recessed display case with finished interior, operable glazed doors at front, and trim on face to cover edge of recessed opening.
 - 1. Display Case Cabinet: Hardwood veneer plywood, veneer species and finish as selected by the Architect.
 - 2. Face Frame: Wood of species and finish to match interior of cabinet box.
 - 3. Hardwood Plywood: HPVA HP-1.
- B. Glazed Sliding Doors: Tempered glass; unframed; with extruded-aluminum top and bottom track; supported on nylon or ball-bearing rollers; with plastic top guide and rubber bumpers. Equip each door with ground finger pull and adjustable cylinder lock with two keys.
 - 1. Thickness: Not less than 6 mm thick.
 - 2. Number of Doors: As indicated on the drawings.
 - 3. Clear Tempered Glass: ASTM C1048, Kind FT, Condition A, Type I, Class 1, Quality Q3, with exposed edges seamed before tempering.
 - 4. Aluminum Finish: Clear anodic finish, AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.
- C. Shelves: Provide 6-mm-thick tempered glass shelves supported on adjustable shelf standards and supports.
 - 1. Clear Tempered Glass: See above.
 - 2. Shelf Depth: As indicated on the drawings.
 - 3. Number of Shelves: As indicated on the drawings.
- D. Adjustable Shelf Standards and Supports: BHMA A156.9, B04071; with shelf rests, B04081; mounted on sides. Provide standards extending full height of display case.
- E. Natural-Cork Back Panel: Natural-cork tackboard panel, seamless, single-layer, compressed fine-grain cork sheet; bulletin board quality; face sanded for natural finish; color as selected by the Architect from manufacturer's full range.
- F. Illumination System: Concealed top-lighting system consisting of fluorescent-strip fixtures. Include lamps and internal wiring with single concealed electrical connection to building system. Coordinate electrical characteristics with power supply provided.
 - 1. Ballasts: Low-temperature, high-power-factor, low-energy, fluorescent lamp ballasts that comply with Certified Ballast Manufacturers Association standards and carry its label.

2.2 FABRICATION

- A. Fabricate display cases to requirements indicated for dimensions, design, and thickness and finish of materials.

- B. Use metals and shapes of thickness and reinforcing required to produce flat surfaces, and to impart strength for size, design, and application indicated.
- C. Fabricate cabinets and door frames with reinforced corners, mitered to a hairline fit, with no exposed fasteners.
- D. Fabricate shelf standards plumb and at heights to align shelf brackets for level shelves.
- E. Cabinets shall be of dimensions detailed on the drawings and in accordance with manufacturer's shop drawings as approved by the Architect.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine the areas and conditions where display cases 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 units completely assembled in one piece without joints, whenever possible.
- 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 recessed installation.

3.3 ADJUSTING AND CLEANING

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

3.4 LOCATIONS

- A. Display Cases:
 - 1. Wall-mounted display cabinets shall be provided and installed in the following locations:
 - a. Elevator lobby at all floors: 4'x6'

END OF SECTION 101200