

SECTION 123551 - MUSIC CASEWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:

- 1. Instrument storage cabinets.
- 2. Percussion Workstation.
- 3. Folio cabinets.

1.3 DEFINITIONS

- A. Exposed Surfaces of Casework: Surfaces visible when doors and drawers are closed, including visible surfaces in open cabinets.
- B. Semiexposed Surfaces of Casework: Surfaces behind opaque doors or drawer fronts, including interior faces of doors and interiors and sides of drawers. Bottoms of wall cabinets are defined as "semiexposed."
- C. Concealed Surfaces of Casework: Surfaces not usually visible after installation, including sleepers, web frames, dust panels, bottoms of drawers, and ends of cabinets installed directly against and completely concealed by walls or other cabinets. Tops of wall cabinets and utility cabinets are defined as "concealed."

1.4 SUBMITTALS

- A. Product Data: For the following:
 - 1. Music casework.
 - 2. Cabinet hardware.
- B. Shop Drawings: For cabinets. Include plans, elevations, details, and attachments to other work. Show materials, finishes, filler panels, hardware, and edge profiles.
- C. Samples for Initial Selection: Manufacturer's color charts consisting of units or sections of units showing the standard colors, textures, and patterns available for each type of material exposed to view.

- D. Samples for Verification: For the following materials; in sets showing the full range of color, texture, and pattern variations expected:
1. Plastic laminate for casework finish, 8 by 10 inches (200 by 250 mm).
 2. One unit of each type of exposed hardware.

1.5 QUALITY ASSURANCE

- A. Source Limitations for Cabinetry: Obtain cabinetry through one source from a single manufacturer.
- B. Product Designations: Drawings indicate size, configurations, and finish material of casework by referencing designated manufacturer's catalog numbers. Other manufacturers' casework of similar sizes, similar configurations, same finish material, and complying with the Specifications may be considered.
- C. Design Requirements:
1. Cabinets shall be chip and abrasion resistant under normal usage and shall protect instruments and cases from damage under normal use.
 2. Shelving shall withstand continuous use without surface or front edge breakdown.
 3. Hanger rods to support a minimum vertical load of 200 pounds applied anywhere.
 4. Full height door to support a minimum vertical load of 200 pounds applied at outer edge.

1.6 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install music casework until building is enclosed, wet-work is complete, and HVAC system is operating and will maintain temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Established Dimensions: Where music casework is indicated to fit to other construction, establish dimensions for areas where casework is to fit. Coordinate construction to ensure that actual dimensions correspond to established dimensions. Provide fillers and scribes to allow for trimming and fitting.
- C. Field Measurements: Where music casework is indicated to fit to existing construction, verify dimensions of existing construction by field measurements before fabrication and indicate measurements on Shop Drawings. Provide fillers and scribes if necessary.
- D. Field Measurements for Countertops: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.7 COORDINATION

- A. Coordinate layout and installation of blocking and reinforcement in partitions for support of music casework.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Instrument Storage Cabinets
 - a. Stevens
 - b. TMI
 - c. Wenger
 - d. LSI Corporation
 - e. Case Systems, Inc.
 - f. Specified Structures, Inc.

2.2 COLORS, TEXTURES, AND PATTERNS

- A. Colors, Textures, and Patterns: As selected by Architect from manufacturer's full range for these characteristics.

2.3 CABINET MATERIALS

- A. Cabinet Wall Panels: $\frac{3}{4}$ inch thick industrial grade particleboard, minimum 45 pcf with thermoset polyester laminate complying with NEMA LD3-1991, GP20 and ALA 1992 specification standards.
- B. Cabinet Shelving
 - 1. Cabinets up to 27 inches wide: One piece high molecular blow molded polyethylene with 1-3/8 inch radius front edge or ABS surfacing thermo-formed with ribbed pattern and hair cell texture.
 - 2. Robe/Uniform Storage Cabinets over 27 inches wide: Two piece high molecular blow molded polyethylene with 1-3/8 inch radius front edge or ABS surfacing thermo-formed with ribbed pattern and hair cell texture. Mount to cabinet walls with steel clip supports.
 - 3. Instrument Storage Cabinets over 27 inches wide: Industrial (cabinet) grade particleboard, minimum 45 pcf, $\frac{3}{4}$ inch thick with 1-1/2 inch thick front edge drop with 1-3/8 inch radius and postforming grade high pressure plastic laminate. Mount to cabinet walls with steel clip supports. Provide tubular steel support at front edge.
- C. Edgings:
 - 1. Laminate doors and leading edge of music instrument storage cabinet vertical and upper horizontal members shall have a high impact rigid PVC extrusion, 3mm in thickness. The 3mm thick edging shall be applied with hot melt adhesive, and shaped to provide radiused front edges.
 - 2. Adjustable shelves shall be banded on front edge with 3mm thick PVC extrusion. Edging shall have satin finish. Edging shall be applied with hot melt adhesive.

3. All other interior components (excluding drawer members) shall be banded with a PVC extrusion, 3mm in thickness.
4. Drawers shall be banded with a flat edge PVC extrusion. Edging shall have satin finish. Edging shall be machine applied with hot melt adhesive.

2.4 CASEWORK HARDWARE

- A. General: Manufacturer's standard units complying with BHMA A156.9, of type, material, size, and finish as selected from manufacturer's standard choices.
- B. Pulls for full laminate doors shall be solid metal bent wire, 4" length, with chrome finish.
- C. Dividers that are 1/4" thick shall be fully adjustable and retained with injection molded clear polycarbonate clip.
- D. Hanger rods shall be heavy chrome plated tubing. Rod shall be securely affixed to cabinet shelves.
- E. Full laminate doors shall be provided with heavy duty spring loaded, large roller-type catches. ABS molded catch strike plates shall have integral molded engagement ridge and provide a wide face positive door stop.

2.5 CONSTRUCTION AND ASSEMBLY

- A. Individual laminate doors shall have two (2) hinges per door. Laminate column doors and full doors shall have four hinges per door.
- B. Structural mounting rails shall be fully concealed behind racks. Rails shall be 3/4" thick and fastened to cabinet ends with dowel pins. Tall-style music instrument storage cabinets shall incorporate two mounting rails positioned at top and intermediate location. Base-style units shall have rail positioned at upper back.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install casework with no variations in flushness of adjoining surfaces; use concealed shims. Where casework abuts other finished work, scribe and cut for accurate fit. Provide filler strips, scribe strips, and moldings in finish to match casework face.
- B. Install casework without distortion so doors and drawers fit openings and are aligned. Complete installation of hardware and accessories as indicated.
- C. Install casework plumb to a tolerance of 1/8 inch in 8 feet (3 mm in 2.4 m).
- D. Fasten cabinets to adjacent units and to backing.

3.2 ADJUSTING AND CLEANING

- A. Adjust casework and hardware so doors and drawers are centered in openings and operate smoothly without warp or bind. Lubricate operating hardware as recommended by manufacturer.
- B. Clean casework on exposed and semiexposed surfaces. Touch up factory-applied finishes to restore damaged or soiled areas.

END OF SECTION 123551

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