

Music Area Casework

1.00 General

1.01 Summary

- A. This section includes the following Scope of Work as referred to in the plans:
 - 1. Thermally Fused Laminate manufactured casework, for use in music areas, in combination of base and tall cabinets selected from manufacturers standard.

1.02 Related Sections

- A. Applicable Provisions
 - 1. General casework, indicate by model number, as music storage.
 - 2. All General, Supplementary and Special conditions listed elsewhere, and requirements including, but not limited to, shop drawing submittals, color schedules, completion schedules and sample requirements.
- B. Work not included in this section
 - 1. Rough carpentry
 - 2. Millwork, moldings, trim and related items
 - 3. Plumbing, electrical and mechanical fixtures, cutouts, locations and installation
 - 4. Blocking within walls (locations to be referenced on casework shop drawings)
 - 5. Fixture cutouts, installation and connections that occur in products defined in this section.

1.03 Definitions

- A. Exposed Surfaces
 - 1. Surfaces visible with doors in closed position.
 - 2. Interiors of all open cabinets and wire grill door cabinets
- B. Semi-Exposed Surfaces
 - 1. Interior surfaces not visible with doors and drawers in closed position
- C. Concealed Surfaces
 - 1. Surfaces not visible after installation, or during use of the product.

1.04 Qualifications and Quality Assurance

- A. Specifications and drawings are based on Rhapsody® Series Casework as manufactured by WB Manufacturing, 507 East Grant Street, Thorp WI 54771. www.wibenchmfg.com (715) 669-5360.
- B. Alternate manufacturers may be considered by showing evidence of 5 years of experience in the manufacture and/or supply of the products herein, without deviation.
- C. All products to be supplied with a one year manufacturer warranty against defects in manufacturing and workmanship.

1.05 Project Conditions

- A. Products are not to be installed until the building is enclosed, and climate controlled under the following conditions:
 - 1. Average temperature to be between 60 and 70 degrees Fahrenheit.

2. Maximum humidity not to exceed 70 percent.
- B. Products are not to be installed until all overhead utilities and ceiling work are completed in the areas where casework is to be installed.

2.00 Products

2.01 Materials

- A. Core Materials
 1. Particleboard
 - a. High performance industrial grade particleboard, 45 pound density, ANSI A 208.1-1993 M-3. Thickness as described herein. Provide at all components unless otherwise specified herein.
 2. Medium Density Fiberboard (MDF)
 - a. 45 pound density, ANSI A208.2. Use at all glass doors, all Lotz Armor Edge™ shelving and cabinet bottoms, and where indicated.
- B. Decorative Laminate
 1. Thermal Fused Laminate, for exposed and semi-exposed cabinet surfaces, compliant with NEMA performance standards. Color as selected from manufacturers standard offerings.
- C. Edge banding
 1. 3mm nominal (.118) PVC, edges and corners to be machined to a nominal 1/8" (.125) radius.

2.02 Hardware

- A. Hinges
 1. Heavy duty, five knuckle 2 3/4 inch, shall meet ANSI/BHMA A156.9 Grade 1 requirements, integrated with wire grill doors, color matched.
- B. Pulls
 1. Wire design, integrated with wire grill doors, color matched.
- C. Hasp
 1. Metal hasp with label holder, color matched to door. Padlocks and labels supplied by owner unless otherwise noted on the drawings.
- D. Specialty hardware
 1. Hardware not listed herein, as required for specialty products, shall be of the manufactures standard, or as approved by the architect before manufacture.

2.03 Detailed Cabinet Construction

- A. Surfaces
 1. Exposed surfaces
 - a. Thermal Fused Laminate, color selected from manufacturers standards.
 2. Semi-exposed surfaces
 - a. Closed Interior: Thermal Fused Laminate, color selected from manufactures standards.

- b. Reverse faces of exposed surfaces: Thermal Fused Laminate, color selected from manufactures standards.
 - 3. Edges
 - a. Cabinet end panels, all edges: nominal 3mm PVC at all exposed and semi-exposed.
 - b. Cabinet top: nominal 3mm PVC, color matched to end panels.
 - c. Cabinet bottom and shelves: Lotz Armor Edge™, integrated with shelf.
 - 4. Material balancing
 - a. Thermal Fused Laminate is to be applied to both faces, color matched.
- B. Cabinet construction for fully assembled cabinets. For larger cabinets needing to be shipped knock down for field assembly, all parts will ship separate. Assembly instructions to be provided.
 - 1. Components
 - a. Material Thicknesses:
 - a. 3/4 inch particle board for all materials except Lotz Armor Edge™ cabinet bottom and shelves, which are 1" medium density fiberboard core.
 - b. Fastening Methods
 - a. All fixed components permanently assembled with dowel connectors.
 - b. Quantity and locations per AWI Custom Grade requirements.
 - c. Tops and bottoms
 - a. Solid sub-top shall be furnished for all base and tall cabinets. Finished top, edged 4 sides, to be applied above sub-top covering end panels.
 - b. Bottoms are to be fabricated the same as shelves.
 - d. End panels
 - a. Thermal Fused Laminate, color selected from manufactures standards.
 - e. Backs
 - a. Cabinet back shall be fully bound into sides, set in 3mm nominal from the back of the cabinet.
 - f. Shelves
 - a. 1 inch thick MDF core with Lotz Armor Edge™ finish, color from manufacture standards. Plastic laminate, plastic wrapped or other finished surfaces are not permitted.
 - b. Full bull nose front.
 - c. Fixed shelves to be securely fastened to end panels and/or dividers during the manufacturing process. Locations as indicated on drawings or as defined by manufacturer model number. Field applied fasteners or clips to create a fixed shelf are not permitted.
 - d. All shelves to be installed in cabinets prior to shipment.

- e. Shelves over 36" in width to be supported by 3-1/2" high full width apron doweled to cabinet sides and mechanically fastened to shelf. Field applied stiffeners are not permitted.
 - g. Vertical Dividers
 - a. Secured in cabinet with dowels and mechanical fasteners.
 - h. Doors
 - a. Mounted flush between end panels and vertical dividers. Refer to drawings for locations, swing and configuration.
 - b. Grille Doors: 1/4 inch perimeter, 3/16 inch interior vertical wire. Integral hinges, wire pull and label holder. Color from manufacturer standard.
 - c. Laminate Doors: 0.75" double sided TFL with 5-knuckle hinge, 3mm PVC edge banding.
 - i. Cabinet Base / Toe Kick
 - a. Each base and tall cabinet to have factory applied finished panel to run between end panels at front, fully doweled and bottom edged.
 - j. Levelers
 - a. Each cabinet to have four steel bracket/pin heavy duty levelers with finish boot, factory fastened to end panel and apron in each corner.
 - b. Access to leveler adjustment pin provided at the interior of the cabinet.
 - k. Filler panels and Scribes
 - a. Filler panels shall be 3/4 inches thick and made from the same material as the cabinet end panels and are not to exceed 3 inches in width, unless otherwise noted on the drawings.
 - b. Color to match cabinet door and drawer front color, vertical grain if applicable.
 - c. Fillers to be oversized in width and field cut as necessary to provide a tight fit between the cabinet and wall.
2. Workmanship
- a. Water resistant adhesives containing no health hazardous ingredients are required. Methods requiring heat and/or "contact laminating" are not allowed.
 - b. Cabinet parts shall be accurately machined and bored to ensure consistent sizing. End panels shall be doweled to receive bottom, top and all shelves (unless adjustable shelves are shown).
 - c. All cases shall be square, plumb, and true.

3.00 Execution

3.01 Coordination

- A. Coordinate work of this Section with related work of other trades to ensure proper installation of all items.

3.02 Preparation

- A. Prior to delivery, casework representative is to verify that the job site conditions as required by this section have been established. Work is not to proceed until conditions are acceptable.

- B. Prior to installation, casework and countertops are to be conditioned to the average prevailing humidity levels, as noted in section 1.05 of this document.

3.03 Installation

A. Casework

1. Install casework level, plumb, true and straight. Shim as required, including base/toe kick assemblies.
2. Align and secure all adjoining cabinets to each other, and to wall via in wall blocking, or direct if masonry or other type of solid wall is present.

3.04 Adjusting and Cleaning

- A. Adjust all hardware to manufacturer specifications to ensure smooth operation.
- B. Adjust all doors as required to maintain uniform reveals.
- C. Remove and dispose of all packing materials. Dispose all installation debris and dust.
- D. Deliver any keys, built as drawings, warranty information or other materials that were shipped with casework and countertops to the on-site Project Superintendent.

End of Section