

BLANTON & MOORE SHELVING SPECIFICATIONS

Traditional, engineered shelving ranges of Northern Grown Hardwood manufactured by Blanton & Moore incorporate numerous features unique in the industry which include: 1" thick plywood end, intermediate, bottom, and adjustable shelf panels with furniture grade face veneers; hole and pin shelf adjustment with self-locking 5/16" diameter steel pins in statuary bronze finish; full framed, four member, hardwood top and base frames of mortise and tenon construction; optional back panels housed into a retaining groove on all four sides; simple insert and bolt assembly for easy take-down and re-arrangement; "Olympus" steel adjustable shelf option; fixed divider shelves; adjustable divider picture book shelves; optional sloped shelves and bottom panel; continuous wood edged plastic laminate top option on low and medium height shelving; pivoting magazine shelves; hinged swing-up periodical shelves; newspaper racks; matching filler materials; wood species options; and numerous standard finish selections.

WOOD SPECIES

The wood species used in the manufacture of Blanton & Moore shelving may be selected from several available species. Northern Grown Hard Maple and Northern Appalachian Red Oak are readily available for manufacture and delivery within the normal time frame. (Veneers and solids of soft maple or southern oak shall not be permitted.) Inquiry should be made regarding the availability, etc. of other species. The abbreviation, "SWS" is used throughout these specifications in reference to the "Selected Wood Species." The solid woods used in shelving components are "plain-sawn" and correspondingly, the veneers of open-grained woods (such as oak) are of the "plain-sliced" cut having book-matched joints.

END PANELS

End panels are 1" thick, minimum 9-ply "SWS" hardwood veneer core plywood. The core stock shall not contain voids or other defects that would compromise the structural integrity of the panel. The "SWS" face veneers are of plain-sliced cut having book matched joints between the leaves and are laid up having their grain direction running parallel to that of the center core stock. (End panels of glued-up wood strips or particle core plywood shall not be permitted.) The edges and ends of panels which will be exposed to view are banded with solid "SWS." The panel edging is machine-eased, removing the sharp corners in order to be contact friendly. End panels for shelving with backs are machine grooved to provide a channel for housing the back panel. Holes of 5/16" diameter are drilled at 32mm. centers on the inward face for shelf adjustment pins. Ends are drilled at top and bottom for internally threaded steel inserts to allow quick assembly or easy take down for possible rearrangement.

INTERMEDIATE PANELS

Intermediate panels are 1" thick, minimum 9-ply veneer core plywood. The "SWS" face veneers are of plain-sliced cut having the leaves book matched at the joints. (Intermediate panels of glued-up wood strips, particle core plywood or panels less than 1" thick shall not be permitted.) The edges and ends of panels which will be exposed to view are banded with solid "SWS." All exposed edgebanding is machine-eased for user comfort and to minimize the risk of contact damage to the corners of the panel. Intermediate panels are grooved both sides for optional back panels and are drilled on both sides of the panel on 32mm. centers for 5/16" diameter shelf adjustment pins. Additionally, panels are drilled through at top and bottom for simple through-bolt assembly and quick take-down.

FRAME CONSTRUCTION

All shelving units shall contain full top and bottom frames and cornices of four member mortised and tenoned construction as described in the paragraphs below. Partial frames or assemblies with metal brackets or clips are considered structurally inferior and shall not be permitted

BASE FRAMES FOR FLAT BOTTOM PANELS

Are manufactured of solid kiln-dried hardwood, the toe kick (front rail) being of solid plain-sawn "SWS." The front rail, back rail, and two end cleats all have a full 3 1/4" height, each resting on the floor. The end cleats are tenoned into the toe kick and back rail and glued and pinned into a rigid structural frame assembly. Through-holes are positioned in the end cleats for bolt attachment to the end and intermediate panels. A groove cut in the top of each end cleat of double-face shelving base frames and a similar groove cut into the back rail of single-face shelving frames serve to house the optional back panels. Duplex electrical cut-outs machined into the toe kick may be specified for a slight up-charge

BASE FRAMES FOR OPTIONAL SLOPED BOTTOM PANELS

Are manufactured with the same materials and rigid construction as outlined above. The only differences are the 4" high front rail (or toe kick) and the tapered end cleats that create the slope for the bottom panels.

BOTTOM SHELF PANELS

Flat and optional sloped bottom shelf panels are cut from 1" thick minimum 9-ply veneer core hardwood "SWS" plywood. (Bottom panels of glued up wood strips and less than 1" thick shall not be permitted.) Each end is drilled and countersunk to receive flat head wood screws securing the bottom shelf to the base frame end cleats. This method affords easy access for takedown should the shelving ever need to be dismantled and reassembled. The front edge of the panel is banded with solid "SWS" with machine eased corners. Bottom panels for 12" single face and 24" double face units of same width, with or without backs, are fully interchangeable. (This also applies to other standard depths.) Optional sloped bottom panels are fabricated with a 2 3/4" high back rail positioned to prevent the top corners of tilted books from contacting the shelving back panel.

CORNICE ASSEMBLIES (TALL SHELVING)

Cornice assemblies on tall shelving sections contain a 1 3/4" solid kiln-dried hardwood fascia of plain-sawn "SWS", a 1 3/4" hardwood back rail and two hardwood end cleats. The end cleats are tenoned into the fascia and back rail, glued and pinned into a rigid structural frame. A 3/4" thick cornice panel, cut from veneer core "SWS" plywood and banded with solid "SWS", is attached to the frame with screw cleats, blind fasteners and glue and is grooved to accept the optional back panel. Holes are drilled in the end cleats for bolt attachment of the frame assembly to the end and intermediate panels. Cornice assemblies for tall shelving are installed with the panel side downward,

INDIVIDUAL CORNICE TOPS (MEDIUM AND LOW SHELVING)

The "Cornice Top" is identical to the "Cornice Assembly" described above except the "SWS" plywood cornice panel is turned upward and the groove for the optional back panel is machined in the back rail of single-face cornice tops and the center strut on double-face tops. Medium and low shelving end and intermediate panels have solid "SWS" edgeband added to the exposed top end and projects 1/8" above the flat surface of the cornice top.

TOP FRAMES

Top frames used only on low and medium height shelving with optional continuous plastic laminate tops, are made of solid kiln-dried hardwood with front rails of "SWS." Front, back, and end rails all have a 1 3/4" vertical dimension. The end rails are tenoned into the front and back rails, glued and pinned into a rigid structural frame assembly. The back rail is grooved to house optional back panels. Top frames for double-face shelving have a grooved center strut added between the end cleats to house optional divider back panels. The end cleats are drilled for bolt attachment to the end and intermediate panels. Hardwood screw cleats attached inside the front and rear rails serve to install the continuous plastic laminate top.

ADJUSTABLE "HERCU-WOOD" SHELVES

Adjustable wood flat shelves and optional sloped shelves are 1" thick, cut from minimum 9-ply hardwood plywood having "SWS" face veneers. (Shelves of glued-up wood strips and less than 1" thick shall not be permitted.) The front edges of shelves are banded with machine eased solid "SWS." Shelves are fully interchangeable in units of like width and depth, whether single-face or double-face; with or without back panels. Two slots are cut into each end of the bottom side allowing the shelf to "nest" over the supporting pins. Optional sloped shelves are fabricated with a 2 3/4" high back rail positioned to prevent the top corners of tilted books from contacting the shelving back panel. (The slope of the shelf is achieved by lowering the rear of the shelf to the next shelf pin below.)

ADJUSTABLE SUPPORTING PINS

Adjustable supporting pins are statuary bronze plated steel machined to 5/16" diameter and having a 5/8" diameter retainer disk to prevent the possibility of dislodgment while in use.

(OPTIONAL) "OLYMPUS" METAL SHELVES

Olympus metal shelves are formed of 18-gauge special alloy steel. Front and rear edges are box-formed 3/4" high, capable of receiving wire book supports and snap-on label holders. Ends of shelves are flanged and have notches cut to "nest" the shelf over the adjustment pins. Flat adjustable metal shelves may be substituted in any standard 36" shelving sections. A color selector chart is available from the factory if requested

PICTURE BOOK FIXED DIVIDER SHELVES

Picture book fixed divider shelves are cut from 1" thick "SWS" hardwood veneer core plywood. Each shelf has 3 fixed dividers of 1/2" veneer core "SWS" plywood. Dividers have radiused corners and rounded edges and are supported at the back by a solid hardwood back rail of "SWS". Dividers are 7 1/2" high, tenoned into the shelf panel and back rail, glued and pinned in place. Two slots are cut into each end of the bottom side allowing the shelf to nest over adjustable shelf pins. When used as a bottom panel, the shelf pin slots are deleted and are replaced with countersunk holes at each end for securing the panel to the bottom frame end cleats. (Fixed divider shelves less than 1" thick without a perpendicular back rail for additional support and without mortised and tenoned dividers shall not be permitted.)

PICTURE BOOK ADJUSTABLE DIVIDER SHELVES

Picture book adjustable divider shelves are cut from 1" thick "SWS" hardwood veneer core plywood. Each shelf has 6 adjustable 1/4" hardboard dividers which may be placed in any of the 11 slots positioned at approximately 3" centers along the shelf assembly. Dividers have neatly radiused corners and eased edges. At the back of the shelf assembly, a hardwood rail of solid "SWS" holds the adjustable dividers in the vertical position. The underside of the shelf panel is machined to sit on adjustable pins. When used as a bottom panel, the shelf pin slots are deleted and countersunk holes are provided at each end for securing the panel to the bottom frame end cleats. The front edge of the shelf panel is edge banded with solid "SWS" with eased corners. (Picture book shelves less than 1" thick and without perpendicular back rail support shall not be permitted.)

MAGAZINE SHELVES

Magazine shelves are cut from 3/4" veneer core "SWS" plywood. A solid "SWS" retaining edge holds the magazines in their inclined displayed position. The shelf assembly rests on 4 adjustable shelf pins pivoting upward on the rear pins to access the flat (adjustable) storage shelf beneath.

PERIODICAL TILT AND STORE SHELVES

Periodical tilt and store shelves are cut from 3/4" veneer core "SWS" plywood and machined to receive special concealed, end mounted, dual swing-arm hinges. Periodicals are held in the inclined display position by a protruding 1 1/2" solid "SWS" strip having a glued tongue and groove connection to the shelf panel. The tilted display shelf swings in an eccentric upward and back motion resting just past the horizontal plane exposing back issues stored on a fixed shelf beneath. Swing-up "tilt and store shelves" are only available in 60" and 82" high x 16" deep shelving sections with back panels. Hardboard installation templates are furnished to assure accurate positioning of the swing-arm hinges at time of installation.

NEWSPAPER RACKS

Newspaper racks composed of one pair of end brackets and eight natural finished hardwood wands are available in any standard section of 60" or 82" high shelving. The inclined sides of the rack are of solid "SWS" and have vertical slots machined which retain the wands in their displayed position as adjacent wands are taken in and out. The end brackets receive a matching finish to that selected for the shelving sections. A rubber ring keeps the fingers of the wand compressed to secure the inserted newspaper.

OPTIONAL BACK PANELS

Optional back panels for shelving are ordered separately; however, the associated shelving sections must be identified to assure proper machining of the affected shelving components. Back panels are 1/4" thick, available in three selections:

- (#1) "SWS" plywood with the same finish as the other shelving components:
- (#2) Hardboard with simulated printed grains and colors compatible with 501, 503, oak and 300 maple, or
- (#3) Hardboard with medium brown or a neutral light beige painted finish.

Backs will have finished faces on one side for single face or two sides for double face shelving. Only back panels that are housed on all four sides in retaining grooves cut into the shelving components will be provided. (Back panels which are nailed, stapled or screwed in place prevent easy take-down or rearrangement and shall not be permitted.)

SWAY BRACES

Sway braces are recommended for use in 60" and 82" high freestanding double-face shelving when ordered without back panels. Sway braces come in sets of two and must be ordered separately. Each brace is made up of two sections of 1/4" steel rod joined for adjustment by a threaded turnbuckle. Each end of the brace has a metal screw plate for attachment. One set of sway braces should be ordered for the initial section and for each consecutive fourth or fifth section of shelving in a single range.

CONTINUOUS PLASTIC LAMINATE TOPS ("CPT" OPTION)

Optional continuous plastic laminate tops for low and medium height shelving are made up of 3/4" thick particle board core of minimum 45 lb. density with a brown backing sheet, internal square-edged solid "SWS" banding on exposed edges and ends, and .050 high-pressure plastic laminate surfacing on the top side. The "SWS" edges are finished to match the selected finish of the shelving. (Plastic laminate tops that are self-edged and not wood edged, shall not be permitted.) Tops are custom-made to the actual field conditions of each job providing an uninterrupted installation. Field joints, where necessary, are splined to assure and maintain surface flushness and bolted from the underside to retain a tight joint. Tops are installed with screws through hardwood cleats mounted in the shelving top frames.

(VERTICAL END) FILLER MATERIAL

Vertical end filler material, furnished for use between shelving ends and walls; at cornering conditions, step-down peninsula run-offs: chase and column projections, etc. is cut from 3/4" "SWS" plywood and finished to match the shelving. Material is cut to proper length(s) and shipped to be sized to appropriate widths at the site. Ample cleat material is provided for filler attachment.

HORIZONTAL (CAP) FILLER MATERIAL

Horizontal (cap) filler material is furnished as needed for low and medium height shelving ranges to fill in the resulting voids above the vertical filler conditions described above. The material will be edge banded, 3/4" thick matching the finished top surface of the individual cornice tops. Ample cleat material is included for attachment.

MOBILE SHELVING

Blanton & Moore's wood shelving may become mobile by adding a 14 gauge corner bracket with a 3" swivel caster inside the base of standard shelving sections concealing the corner bracket assembly. A complete mobile assembly may consist of one or a maximum of two shelving sections (1 initial or 1 initial, 1 adder). A three-section assembly may be used but is not recommended due to the excessive weight. A single unit will have 4 casters (one in each corner) and a double unit will have 6 casters (one in each outside corner and two in opposing inside corners). All steel brackets are provided with a durable matt black finish.

FINISH

All exposed wood surfaces shall be thoroughly inspected and hand-sanded to assure that all machine marks and or blemishes have been removed prior to the application of any finishing material. The finishing process includes necessary toners to achieve a clear, sharp, and uniform color matching the selected finish. After proper drying, all surfaces shall receive two coats of high solid vinyl sealer. Following the drying time, surfaces are hand-sanded and inspected, then coated with a highly resistant catalyzed nitrocellulose lacquer drying to a medium low sheen. Finish materials are uniformly and smoothly applied consistent with the best industry practices achieving an undistorted enhancement of the natural beauty of the wood.

SET-UP AND INSTALLATION

Set-up and installation shall be done by competent workmen, experienced and skilled in the field of furniture installation. Layout drawings will be provided in the installation packet which accompany the Production Confirmation package that is mailed to the dealer and in turn forwarded to the installer by the dealer. All fasteners necessary for assembly (bolts, nuts, washers, screws, splines, etc.) will be furnished by Blanton & Moore. The installer will be responsible for making the proper selection of and providing all fastening devices needed to properly attach the shelving to the existing structure. Delivery, storage, and/or installation of shelving in unclimatized, damp, or otherwise unsuitable conditions will void the manufacturer's warranty.

WARRANTY

Standard warranty is for one year following the installation of the shelving. Materials and workmanship provided by Blanton & Moore are warranted to be free of defects and to function properly for the period of the warranty. Blanton & Moore will not accept responsibility for problems resulting from faulty or improper installation of the shelving.