

HALE MANUFACTURING COMPANY
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PRODUCT SPECIFICATION

Item description: 300 Sectional Series

General Construction:

All wood used in the construction of parts and shelving will be kiln-dried hardwood containing moisture content of 5% - 7% at the time of fabrication. All woods will be selected for uniformity of grain and color. Wood used for internal parts will be selected to be structurally sound.

Each section assembly begins with a solid hardwood frames 7/8" thick. The frames are put together using mortise and tenon construction. All components interlock for stability. End panels consist of 13/16" thick solid hardwood lumber glued together to form solid wood ends. End panels receive a series of milling treatments, which allows the 3/8" thick backs, 7/8" thick front molding, and 13/16" thick locking rails to be attached.

Each 3/8" thick veneer core plywood back on a section is milled so that it forms a locking connection with the section above it and below it. Backs are fastened using vinyl coated finishing nails.

Sections receive two types of locking rails, which add stability to the section. The top rails 13/16" T x 33" L are nailed in place using a 1 1/4" vinyl coated finishing nails, and forms a male/female connection with the above section.

Wood Finishes:

In the manufacturing process, hardwood parts are glued, cut to size, machine and finish sanded on a 2-head wide belt-finishing sander. Finish sanding of hardwood parts include the use of 100, 120, and 150 grit-sanding belts.

After parts are assembled into a freestanding unit, final hand sanding and inspection prepared the unit for the first finishing step. The selected color finish is hand applied and cloth wiped to provide a uniform color.

One coat of sealer is applied with an airless sprayer and allowed to cure. After curing, the sealer is sanded with 220 grit sandpaper to provide a uniform smooth surface.

A final lacquer topcoat is applied with an airless sprayer and cured in a heated drying room. The topcoat dries smooth to approximately a 30-sheen finish, which is resistant to normal wear and scratching.

UNIT DESCRIPTION:

Traditional design style with ogee door. Book sections are placed on a leg base and have a separate top. All components interlock for stability. Tools are not required for destination assembly. Doors recede into the top of each section for full width accessibility. Equalizer door hardware allows one hand operation of doors. Each section assembly begins with a solid lumber frame, with mortise and tenon and stapled joints. The ends, back and bottom panels of each section are then built on the frame. The bottom panels are trapped in place with the use of a press, while the ends are stapled to the frame. The back panel is then stapled in place. Base, doors, frames, and tops are mortise and tenon glued and nailed or stapled as appropriate.

WARRANTY: All sections are fully guaranteed against defects in materials and workmanship for 5 years.