

**HALE MANUFACTURING COMPANY**  
**P.O. BOX 186**  
**FRANKFORT, NY 13340**

**PHONE: 315-894-5490**  
**FAX: 315-894-5046**

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## **PRODUCT SPECIFICATION**

### **Item description: 800 Series Sectional Bookcase**

#### **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

Tops are solid wood of frame style construction using interior glue blocks throughout. Bases are solid wood mortise and tenon glued and nailed or stapled as appropriate. Section ends are 15/16" 3 ply novoply 45# flakecore furniture grade plywood with 1/4" hardwood plywood backs and hardwood plywood bottoms utilizing a solid wood front and rear rail. Doorframes are mortise and tenon glued up construction with equalizer door hardware and a single centered opening knob.

#### **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. Hardwood veneer end panels are finish sanded on a Heesman automatic veneer panel sander. Finish sanding of veneer panels and 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:**

Stackable bookcase with lift up receding glass or wood doors. 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.

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.

**WARRANTY:** All cases are fully guaranteed against defects in material and workmanship for 5 years.