

**HALE MANUFACTURING COMPANY**  
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## **PRODUCT SPECIFICATION**

### **Item description: Saratoga Study Carrel**

#### **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.

End panels will be hardwood veneer over a 3-ply flake core panel with thickness of 1". The front and back edges have a hardwood cleat with a bull nose profile.

All joint construction will use standard woodworking methods including peg and dowel, dovetail, spline, rabbet, mortise and tenon.

#### **Wood Finishes:**

In the manufacturing process, hardwood parts are glued, cut to size, machined 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 prepares 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:**

Single Unit: The single unit stands 48"H x 36"W x 31"D and is finished on all sides. The work surface is 28 1/2"D x 1" particleboard with a choice of hardwood veneer or laminate top. A bull nose hardwood cleat of 1 1/8" trims the exposed edge of the work surface. End panels and back are 1" thick veneered particleboard with solid hardwood banding on all edges. An 8"D top shelf with a 2" valance is located at the top of the unit. This allows for optional concealed task lighting. Threaded steel leveling glides are installed on the bottom of the end panels to assist in installation.

Double Unit: The double unit stands 48"H x 36"W x 61"D and is finished on all sides. Two work surfaces of 28 1/2"D x 1" particleboard with choice of hardwood veneer or laminate top are trimmed with a 1-1/8" thick bull nose hardwood cleat. The two work surfaces share a common back panel mounted between the 61"D end panels. The end panels and back panel are 1" thick veneered particleboard with solid hardwood banding on all exposed edges. An 8"D top shelf with a 2" valance is located at the top of each side of the common back panel providing an area for optional concealed task lighting. Threaded steel leveling glides are installed on the bottom of the end panels to assist in leveling the unit during installation. The work surfaces are supported with 7/8" x 7/8" hardwood cleats for added strength.

**WARRANTY:** 10 years from date of shipment against manufacturing defects and workmanship.