

Door Hardware Preparation

At the Jobsite

Machining preparation at the jobsite or in our customer's shop shifts the responsibility away from the Algoma factory. (See Warranty, "Handling, Job Finishing and Installation Instructions," Item 9.)

At the Factory

Algoma Hardwoods has been prefitting, beveling and machining fire and non-fire wood doors for hardware for more than 40 years. This type of experience allow architects and customers who want control over quality standards and construction schedules to specify that doors be precision machined at the factory for all hardware listed on the hardware schedule (other than surface mounted hardware). The firm can feel confident it will get a good job, on schedule, and at a savings over field labor.

In addition to preparation for the functional hardware, Algoma Hardwoods is prepared to also do the following work which is frequently done at the jobsite:

- Apply kick plates
- Apply push plates
- Install edge guards
- Install metal louvers
- Install metal vision lites
- Apply flashing (prefit doors only)
- Factory glaze

It is preferred that all machining and detailing information be sent in on Schedules A through G, pages 7 through 13 in this section.

Insertion of the following in the General Notes section of the specification is needed for proper control of project scheduling:

1. At least 120 days before delivery date, customer shall furnish the following information to the door manufacturer: approved hollow metal schedule and shop details; approved hardware schedule, list of templates required, and approved door shop drawings.
2. Frames improperly set shall be corrected to receive factory fit door by contractors at their expense.

When the information above is supplied in the General Notes, Algoma Hardwoods, Inc. will assume the responsibility for coordinating the approved hardware schedule, door schedule and hollow metal schedule and will supply machined doors individually numbered according to opening number.

Order Acknowledgments to Customers

Once the approved door, frame and hardware schedule and shop drawings are in hand, Algoma Hardwoods will be responsible for the proper location of the machining for hardware as taken from above schedules. This and all other information for producing a door order will be written into Algoma Hardwoods' order form and a copy of it returned to the customer for his acknowledgment. The customer is responsible for acknowledging the correctness of:

1. The proper number of doors on each item and the total order.
2. Proper door construction by item.
3. Proper door sizes by item.
4. Proper door swings.
5. Correct lite and louver locations within the door's area.
6. Correct hinge and lock locations.

The above items must be known to produce the doors; therefore it is essential that the acknowledgments be returned or valuable time will be lost in producing the order. To underscore this, the following note is included on the acknowledgment of each machined and/or finished order:

"This acknowledges your order as we interpret it. Please check it for errors and return a signed copy immediately (with corrections noted). Production may have already begun. Delays in acknowledging may result in back-charges for material and labor if changes are not due to our misinterpretation."

If the acknowledgment is not returned, the customer assumes the responsibility that all is correct.

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Special Information Regarding Machining for Wood Fire Doors

For information on approved hardware applications refer to fire door pages in the **Doors** section of this binder.

The National Fire Protection Association (NFPA) Pamphlet #80 requires that all fire doors be prepared for locks, latches, hinges, concealed closers, glass lites, vision panels, louvers, astragals and laminated overlays by the door manufacturer or his licensee in conformance with the manufacturer's inspection service procedure and under label service. Exceptions to this ruling include: preparation for surface applied hardware; function holes up to 1" diameter and cylinder holes up to 1¼" for mortise locks; holes for labeled viewers; a maximum ¾" undercut on wood and composite doors; and application of some protection plates. These exceptions may be done in the field.

Algoma Hardwoods has a number of licensed machiners eligible to machine under Underwriters Laboratories or Intertek label service. Many of these licensees stock fire doors for quick delivery of a completely machined product.

WARNING

Caution should be taken in storing and handling fire doors. Store in a dry area where relative humidity falls between 25% and 55% and follow instructions as described on page entitled **Fire Door Installation and Field Finishing** in the **General Section** of this catalog.

NOTE

Unless ordered otherwise, Algoma will always prefit fire doors ⅜" in width.

Prefitting for height will always be ⅛" at the top and ½" at the bottom unless ordered otherwise. The maximum clearance allowed on fire doors is ⅛" at each side and top and ¼" at the bottom.

It is a ruling of the National Fire Protection Association (NFPA) Pamphlet #80 and enforced by the testing and inspection laboratories (Underwriters and Intertek) that all wood fire doors be machined for hardware before the door can be labeled. This means the machining must be performed by the manufacturer or his licensed machiner. Such doors cannot be jobsite prepared for hardware unless special, often expensive, arrangements are made ahead of time.