

## **FLUSH WOOD DOORS**

### **General**

For University of Michigan Hospitals and Health Centers projects refer to Design Guideline 08211-H available at:

<http://www.med.umich.edu/facilities/planningdevelopment/ae/dg/doc/a/08211H.pdf>

In general, follow the guidelines below when specifying wood doors. Unless otherwise indicated, these guidelines are not intended to restrict or replace professional judgment.

### **Design Requirements for Flush Wood Doors**

Design - Generally, aesthetic considerations are the prerogative of the architect. Consult with the University Design Manager concerning visual effects which do not correspond to general design features stated in this guideline.

Quality Standards - Either AWI or WDMA I.S.1-A should be referenced as the quality standard in the specifications. Reference the latest edition of whichever standard is used.

Construction - In general, manufacturer's standard products are acceptable, provided they comply with the following requirements:

- The University's standard interior wood door is solid core, of flush construction, and Custom grade. Consult with University Design Manager before specifying stile and rail doors or other construction grades.
- 5-ply cores are preferred, unless cost considerations are paramount, when either 5- or 7-ply will be acceptable. Consult with University Design Manager to determine appropriate quality level.

Veneers - Do not specify exotic grades of wood with potentially long lead times and significant upcharges.

Glazing - Refer to another Guideline Chapter "Glass and Glazing" for requirements related to glass. For fire doors with lites, fire-rated safety glazing is preferred to non-safety rated wire glass. Factory glazing should always be specified for fire-rated openings and is preferred for non-rated openings.

Finish - Specify factory finishing for transparent finishes. Factory finishing of adjacent wood frames is recommended to maintain a consistent appearance. Opaque finishes may be field painted but should be factory primed. Specify Medium Density Overlay in lieu of wood veneers for opaque finishes.

Fire Doors - Specify prefabricating and premachining for fire doors.

ADA Requirements - Include a requirement for a flush panel of at least 12" in height at the bottom of doors to meet ADA requirements.

Warranty - Specify a warranty period lasting the life of the door for flush wood interior doors. Do not design doors which will void the warranty because of oversized cutouts or insufficiently sized stiles and rails.