081416-H: FLUSH WOOD DOORS (08211-H)

GENERAL

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

Refer to UMHHC Interior Design Guidelines for further information here.

1. For small renovations within existing buildings, new doors should match the material, species, finish, color, and grain of existing adjacent doors. Construction documents shall list the required species and grain. Stating “match existing” is not acceptable language on Construction Documents for species and grain, and is to be avoided for transparent finishes.
   b. Cancer Center (0301) design standard (no substitution): Marshfield - Plain sliced, book matched, balanced with American Black Cherry, Honey stain.
   d. Briarwood Building 5 (8016) design standard (no substitution): Marshfield - Red Oak, Plain-sliced with stain Rattan.
   e. Brehm Tower (5102) design standard (no substitution): Marshfield – Quarter sliced white ash with a natural finish.
   f. Canton Health Center (5019) design standard (no substitution): Marshfield - Red Oak, Plain-sliced, Honey 26-95
   g. Cardiovascular Center (5109) design standard (no substitution) Marshfield-Maple-White, Plain Sliced, with stain Honey 26-95.
   h. University Hospital (0316) and Children’s & Women’s Hospital (5173) design standard (no substitution): Marshfield – White Maple, Plain Slice, Custom Stain #226504C.
   i. University Hospital South (0312) design standard (no substitution): Marshfield – Red Oak, plain-sliced, with stain “Sand”.

2. Doors used primarily by patients and the public, for example waiting rooms, toilet rooms, exam rooms, should be a minimum of 3'-2” clear to accommodate oversized wheelchairs.

3. Solid core, flush construction, custom grade doors are standard. Five ply cores are preferred.


5. For fire rated doors with glazing, fire rated safety glazing is required. Factory glazing should always be specified for fire rated openings.

6. Plastic laminated doors should be avoided except for small renovation projects to “match existing”.

7. FRP doors are preferred in locations where non-porous, easily cleanable doors are required, and where corrosive chemicals are used. White is preferred.

8. Fire Doors - Specify pre-fitting and pre-machining for fire doors. Provide solid wood blocking at hardware locations particularly closers and exit devices, to avoid use of thru bolts.

9. Doors may require steel shielding to contain radiation scatter from mobile imaging equipment, such as (but not limited to) O-arms. Consider stainless steel armor plate covering the entire leaf, metal backing beneath the surface material, or a metal door solution. Consult with the Design Manager, Department, and the Radiation Physicist to confirm.

10. Impact resistant doors shall have stainless steel stiles and edge guards, and a stainless steel bottom edge guard.
    a. University Hospital (0316) Acrovyn 372, Classic Maple
    b. Taubman Health Center (0317) Acrovyn 386, Honduras Mahogany
    c. Children’s and Women’s Hospital (5173) Acrovyn 372, Classic Maple.
11. Sliding doors are acceptable at locations which require minimal acoustical privacy yet need a physical barrier for visual privacy. The side wall track system which allows the door to slide flush to the outside face of the wall surface is preferred. Consult with your design manager when determining appropriate locations.

SUSTAINABLE DESIGN REQUIREMENTS

1. Flush wood doors shall contain a minimum of 55% total recycled content. Total recycled content shall be based on the sum of post-consumer + ½ pre-consumer combined recycled content. Weight and cost factors are not required for projects not being submitted for LEED certification. Acceptable manufacturers that meet this criteria include (but are not limited to) the following:
   - Algoma Hardwoods Inc.
     - PC NOVODOR FSC Door, Wood Veneer
   - Five Lakes
     - PC-5: FSC Certified, NAUF, Wood Veneer
   - Construction Specialties Inc.
     - Acrovyn Doors
   - Marshfield Door Systems
     - Signature Series, Wood Veneer Doors
     - Durable Series, Acrovyn Face Doors
     - Marquis Series, Plastic Laminate Doors

2. Wood doors shall be manufactured within 500 miles of the construction site.
3. Specify wood door products certified in accordance with Forest Stewardship Council’s principles and criteria when such products are available.
4. Wood doors shall contain no added urea-formaldehyde resin.
5. Wood doors shall contain sound isolation qualities at locations which require acoustical privacy. Wood doors shall contain a STC rating to match the adjacent wall as close as possible. Door frame and gasket assembly shall be designed to maintain the required STC rating. Sound gaskets and perimeter seals are required on doors where speech privacy is essential. Refer to section 087100-H - Door Hardware for acceptable manufactures.
6. Alternative door products not listed above shall be reviewed and approved by UMHHC FPD Design Manager.