

Part 1 General**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards below when specifying wood doors. These standards are not intended to restrict or replace professional judgment.

1.2 Design Requirements

- .1 The minimal width for all interior and exterior doors is 915 mm and the minimal height is 2135 mm.
- .2 Specify wood solid doors for offices, classrooms or when fire rated of 20min is required. Wood doors are not acceptable for laboratories.
- .3 Masonite veneer doors are to be avoided.
- .4 Doors which are located along the principal circulation arteries of buildings shall have vision panels integrated into the doors, or sidelights wherever possible, ensuring proper visibility for persons moving in either direction. For fire-rated doors, the glazed area shall not exceed the maximum allowable area as stipulated by the Quebec Construction Code. The size and location of the glazed area within the door shall be appropriate for people in wheelchairs, and shall be coordinated so as not to conflict with the specific hardware requirements of the door.

1.3 Guarantee

- .1 Certificate:
 - .1 Specify a guarantee for a period of ten (10) years for interior wood doors. Do not design doors that will void the guarantee because of the oversized or insufficiently sized stiles and rails.

Part 2 Products **2.1 Preferred Products**

- .1 Wood products shall be certified by the following standard to ensure they are issued from sustainable forests (contractor shall submit proof to this effect). Certified wood products can contribute to LEED® v4 MR Credit Building Product Disclosure and Optimization – Sourcing of Raw Materials:
 - .1 FSC (Forest Stewardship Council). Refer to the FSC website to find FSC certified companies (<http://info.fsc.org/certificate.php>).
 - .2 For products with Environmental Product Declarations (EPDs), which may contribute to LEED® v4 MR Credit Building and Disclosure Optimization – Environment Product Declarations, refer to:
 - .1 UL Environment <http://productguide.ulenvironment.com/>

- .3 For products with a manufacturer inventory and/or certified Cradle to Cradle (C2C) and/or with Health Product Declarations (HPDs), for LEED® v4 MR Credit Building Product Disclosure and Optimization – Material Ingredients, refer to:
 - .1 Declare Product Database www.living-future.org/declare-products
 - .2 Cradle to Cradle Products Innovation Institute
<http://www.c2ccertified.org/products/mhcregistry>
 - .3 HPD Library <http://hpd.smithgroupjjr.org>

- .4 For products with recycled content that may contribute to LEED® v4 MR Credit Building Product Disclosure and Optimization – Sourcing of Raw Materials, refer to:
 - .1 SCS Global Services www.scsglobalservices.com/certified-green-products-guide
 - .2 Green Circle Certified <http://greencirclecertified.com/database/>

- .5 For Composite Wood Products:
 - .1 The threshold level of compliance with the Composite Wood Evaluation standards listed in **01 84 19** Part 3 for composite wood must be met by 100%.
 - .2 For resources to find composite wood products that are low-emitting and with Environmental Product Declarations (EPDs), see **01 84 19** Part 3.

- .6 Materials that are locally sourced (extracted, manufactured, and purchased) within 160 km (100 miles) are preferred and will increase cost values for credit calculations in the Materials and Resources Building Product Disclosure and Optimization credits.

2.2 Wood Flush Door

- .1 Face Panels:

Hardwood; veneer grades. Face veneers shall be rotary cut Canadian White or Yellow Birch for stained and paint finishes unless noted otherwise. Do not specify exotic grades of wood with potentially long lead times and significant up charges.

- .2 Transom and Side Panels:

- .1 Construction: match adjacent door.
- .2 Meeting edges of doors and transom panels: square
- .3 Specify veneer of transom panels to matched doors.

- .3 Louvers and Light Frames

- .1 Specify metal louvers unless otherwise indicated.

2.3 Factory-Finishing

- .1 After completion, the outer faces of the door (upper and lower) must receive the same treatment as the lateral edges or a minimum of two coats of paint in order to avoid the absorption of humidity or to the exposure to extreme heat.

END OF SECTION