

1.0 **GENERAL**

1.1 **Related *Work and* UBC Guidelines**

- .1 *Section 08 11 00 Metal Doors and Frames*
- .2 *Section 08 71 00 Door Hardware*
- .3 *Section 09 21 16 Gypsum Board Assemblies*
- .4 *Divisions 26 and 28*
- .5 *Section 27 05 05 Communication Rooms Design Guidelines*

1.2 **Related External Documents**

1. *Latest edition of the British Columbia Building Code (BCBC), including accessibility requirements.*
2. *CAN/CSA-0132.2 Wood Doors.*
3. *CAN 3-0188.1 Particle Cores.*
4. *WDMA I.S.6A-13 - Industry Standard for Interior Architectural Stile and Rail Doors.*
5. *NFPA 80 for installation of fire-rated doors and frames.*

1.3 **Description**

1. *Work includes interior wood doors.*

1.4 **Coordination**

1. *The Guidelines apply to all work completed within buildings on both UBC Vancouver and UBC Okanagan campuses unless stated otherwise.*
2. *In instances where conflicts are found between these guidelines and provincial regulations or codes, please notify the UBCV Technical Review Team Architect or UBCO Facilities Management.*
3. *These guidelines are intended to be read by design consultants and their content integrated into construction drawings and specifications. Construction documents are not to reference the technical guidelines directly.*
4. *The Coordinating Registered Professional (CRP) is required to coordinate these requirements with other disciplines.*
5. *This section applies to interior wood doors only. Exterior wood doors are not allowed on UBC's campuses.*
6. *Provide door and door hardware schedules for review by UBC Access and Security and Locksmith Shop at the Construction Documents phase, prior to tender and Building Permit.*
7. *If only providing single doors into learning spaces, CRP to coordinate manlift/genie lift access requirements with the Facilities Technical Review team.*

1.5 **Submittals**

1. *Design phase:*
 - .1 *Submit required documents to consultants in accordance with Section 013300 Submittal Procedures*
 - .2 *For Construction Office projects only, provide a list of all proposed materials for review and color samples for selection plus final approval. Submit 8"x12" top corner sample of each type of door proposed for acceptance of construction and veneer.*
2. *Handover – O&M submittals:*
 - .1 *Provide a list of installed door types and color samples.*
 - .2 *Provide final reviewed shop drawings.*
 - .3 *Provide manufacturer installation instructions and test data, for fire rated doors.*

1.2 **Quality Control and Assurance**

- .1 **Quality Assurance**
 - .1 *Comply with WDMA I.S.6A-13 - Industry Standard for Interior Architectural Stile and Rail Doors.*
- .2 **Quality Control**
 - .1 *CRP to ensure function and performance are clearly defined based on use.*

2.0 DESIGN AND PERFORMANCE REQUIREMENTS

2.1 *Design Requirements*

- .1 Standard and minimum door size: 915 mm wide x 2,134 mm high x 44 mm thick (3'-0" x 7'-0" x 1 ¾").
- .2 Maximum door height: *2,134 mm (7'-0")*. *A variance will need to be granted for over-height doors.*
- .3 All doors to be solid core.
- .4 Wood door with a mineral core are *only acceptable for use where an interior fire-rated door is required.*
- .5 Provide solid wood backing for all hardware installation.
- .6 Seal hinge gains, top and bottom of doors before installation.
- .7 Glazed doors shall have stile width of 127 mm (5") minimum *for hardware installation.*
- .8 Avoid adhesives, preservatives, hardeners, and synthesizing agents and finish coatings that contain formaldehyde and high V.O.C. content.
- .9 Where lightweight interior doors are required, fiberglass doors may be used. Doors are to have a minimum exterior wall thickness of 2 mm, and to have a structurally solid and integrated frame.

2.2 **Performance Requirements**

- .1 *Performance duty level to be as per current edition of the North American architectural Woodwork Standards (NAAWS). Architect to ensure the appropriate duty level is specified for the intended usage.*

3.0 MATERIALS

3.1 *Product Selection*

- .1 *Endangered wood species must not be used in the manufacturing of wood doors.*
Acceptable species:
 - .1 *Veneer shall be Birch, Oak, or Maple.*
 - .2 *Trim shall be Birch, Oak or maple.*

END OF SECTION