

## SECTION 08 14 00

### WOOD DOORS

#### PART 1 - GENERAL

##### 1.01 QUALITY ASSURANCE

- A. Doors shall conform to ANSI Industry Standard I.S.1A Industry Standard for Interior Architectural Wood Flush Doors (Current Edition).
- B. Fire-rated doors to be Category A construction, meeting UL 10C, and shall be supplied with proper labels attached unless otherwise specified.
- C. Preparation of labeled fire door assemblies for locks, latches, hinges, concealed closures, glass lights, vision panels, louvers, astragals, and laminated overlays shall be performed in conformance with NFPA and UL Standards.

#### PART 2 - PRODUCTS

##### 2.01 ACCEPTABLE MANUFACTURERS

- A. Algoma
- B. Mohawk
- C. Graham
- D. Eggers
- E. Marshfield

##### 2.02 MATERIALS WOOD VENEER FACED DOORS

- A. Premium Grade Construction with A Grade face veneer. Veneer lay-up of Book & Running Match.
- B. PC-5 (Bonded) Wood Based Particleboard Core Doors shall meet the WDMA Heavy Duty Performance Level unless noted as other.
- C. Stile edges shall be minimum 1 3/8" thickness 2-ply Outer hardwood to be minimum .875" (7/8") SCL minimum 1/2" thick or 1 3/8" full thickness hardwood. Outer hardwood matching face veneer. Maple may be used as a substitute for Birch faced doors. Backing material (inner ply) may be Structural Composite Lumber or mill option hardwood lumber at manufacture's choice. Stiles must be full-length with no finger joints.
- D. Top and bottom rails on wood based particleboard core doors to be minimum .875" thick Structural Composite Lumber.
- E. Cross bands shall be minimum 1/16", High Density Fiberboard of engineered composite material. MDF cross bands are not acceptable.
- F. All wood door veneers shall match existing.
- G. All wood doors shall be factory pre-finished with a WDMA TR-8 UV Cured Acrylate Polyester/Urethane.

##### 2.03 FABRICATION

- A. Fabricate fire-rated doors to comply with current NFPA and UL Standards.
- B. Door lights are required on all classroom doors. Metal framed lite kits required, wood stops not permitted.
- C. Factory machine wood doors completely mortised, rabbeted, and drilled to receive scheduled hardware. Size to suit scheduled sizes, allowing industry standard clearances. Bevel both edges at the rate of 1/8" in 2". Pre-machining shall not be performed for surface-mounted hardware.

#### PART 3 - EXECUTION

##### 3.01 INSTALLATION

- A. Align doors to frame for uniform clearances as follows:

1. Head and jamb: 1/8".
  2. Bottom: 3/8" (maximum) to finish floor, 1/8" to threshold.
  3. Meeting stile: 1/8".
  4. Fire-rated assemblies: per NFPA Bulletin 80.
  5. Doors that require greater than 20 minute rating must be hollow metal.
- B. Door lights
1. A 9 inch minimum headrail is required.
  2. Style width for the door lite opening has to be a minimum of 8 inches.
  3. Preferred classroom door lite size is 8 inches by 32 inches.
  4. All glazing at exterior doors shall be a minimum of 18 inches AFF.

**END OF SECTION 08 14 00**