

SECTION 08210

WOOD DOORS



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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Wood interior doors.
- B. Fire rated wood interior doors.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Installation and requirements for rough door opening.
- B. Section 06200 - Finish Carpentry: Installation and requirements for door frame casing and trim.
- C. Section 08100 - Metal Doors and Frames: Installation and requirements for hollow metal and steel door frames.
- D. Section 08710 - Door Hardware: Installation and requirements.
- E. Section 08800 - Glazing: Glass and glazing.
- F. Section 09900 - Paints and Coatings: Field finishing.
- G. Section 10200 - Louvers: Requirements for louvers.
- H. Section 13090 - Radiation Protection: Preassembled radiation shielding components.

1.3 REFERENCES

- A. American National Standards Institute (ANSI): A208.1 - Standard for Particleboard.
- B. American Society for Testing and Materials (ASTM): ASTM D 1761 - Screw Withdrawal Test Method.
- C. American Society for Testing and Materials (ASTM): ASTM D 5456 - Standard Specification for Evaluation of Structural Composite Lumber Products.
- D. American Society for Testing and Materials (ASTM): ASTM E 90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
- E. American Society for Testing and Materials (ASTM): ASTM E413 - Classification for Rating Sound Insulation.
- F. American Society for Testing and Materials (ASTM): ASTM E 1332 - Standard

Classification for Determination of Outdoor-Indoor Transmission Class.

- G. American Society for Testing and Materials (ASTM): ASTM E 2235 - Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods.
- H. Architectural Woodwork Institute: AWI/AWMAC- Quality Standards or The Architectural Woodwork Institute (AWI) & The Architectural Woodwork Manufacturers Association of Canada (AWMAC).
- I. National Fire Protection Association (NFPA): NFPA 80 - Standard for Fire Doors, Fire Windows.
- J. National Fire Protection Association (NFPA): NFPA 252- Standard Method of Fire Test for Door Assemblies.
- K. International Standards Organization (ISO): ISO 9001-2000/
- L. Warnock Hersey Intertek Testing Services (ITS-WH): ITS Certification Listings for Fire Doors.
- M. Uniform Building Code (UBC): UBC 7-2-1994 UBC Fire Test (Neutral Pressure).
- N. Uniform Building Code (UBC): UBC 7-2-1997 UBC Fire Test (Positive Pressure).
- O. Underwriters' Laboratories (UL): UL 10B - Standard for Fire Test of Door Assemblies ;
- P. Underwriters Laboratories (UL): UL 10C- Standard for Positive Pressure Fire Test of Door Assemblies.
- Q. Underwriters Laboratories Canada (ULC): CAN 4-S104 - Fire Tests of Door Assemblies.
- R. Window and Door Manufacturer's Association (WDMA): WDMA 1.S.1A-04.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. [[Product Data](#)]: Manufacturer's data sheets on each type of door, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings:
 - 1. Elevations indicating location, size and kind of each door, construction, swing, label, undercut, and hardware location and machining requirements. Include location and extent of hardware blocking, fire ratings, requirement for factory finishing, glass and other pertinent data.
 - 2. Elevations indicating veneer requirements. Include veneer grade, cut, specie, piece match, face match, appearance of pairs, sets and transoms and aesthetic grade. For HPDL face requirement include manufacturer, thickness, pattern, color and finish.
- D. Samples: For factory finished doors, submit two sets of 8 by 10 inch (203 by 254 mm) selected veneer samples with the standard finish colors representing manufacturer's full range of available colors and finishes. Samples shall represent the color selected on veneer typical of grain patterns and coloration for the specified

specie and cut selected.

1. For decorative laminate, submit two sets of 8 by 10 inch (203 by 254 mm) samples of each color, finish and pattern required.
 2. Where Architect has furnished custom color for matching, include original color sample.
- E. Corner Sample: 8-1/2 by 11 inch (216 by 279 mm) corner sample cut away to show stile, rails, crossbanding, core and face veneer with description and date.
- F. Selection Samples: For each finish product specified, submit two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- G. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
- H. Certificates: Manufacturer's certification that doors comply with specified performance and physical properties.

1.5 QUALITY ASSURANCE

- A. Non-Fire-Rated Doors: Provide doors that comply with AWI Section 1300 and WDMA 1.S. 1A.
- B. Fire-Rated Doors: Provide doors that comply with NFPA 80, NFPA 252, UL 10B or UL 10C, as applicable and as acceptable to authorities having jurisdiction, and that are listed and labeled by ITS-WH or a qualified testing agency. Notify Architect prior to fabrication if fire doors required cannot qualify for labeling due to design, size, hardware or other requirement.
- C. Oversize Fire Rated Wood Doors: Manufacturer to provide a certificate stating that the doors conform to all standard construction requirements of tested and labeled fire door assemblies except as to size. Notify Architect prior to fabrication if fire doors required cannot qualify for labeling due to design, size, hardware or other requirement.
- D. Single Source Responsibility: Provide doors from a single source to ensure uniformity in quality of appearance, face veneer, finish and construction.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation. Inspect for damage.
- B. Storage and Protection: Comply with door manufacturer's written recommendations and requirements of AWI Section 1300 G-23 and WDMA standards.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions including temperature, humidity, and ventilation within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits. Inspect for damage prior to installation.

1.8 WARRANTY

- A. Provide manufacturer's standard warranty against defects in materials and workmanship for the following duration:
1. Warranty Period, Interior Doors: For the lifetime of the door.

2. Warranty Period, Interior Doors: 3 years from date of Substantial Completion.
3. Warranty Period, Interior Doors: 5 years from date of Substantial Completion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Baillargeon Doors Inc., which is located at: 430 Rd. 108 W. ; St-Ephrem, PQ, Canada G0M 1R0; Toll Free Tel: 800-804-5666; Fax: 800-804-5688; Email: [request info](#); Web: www.baillargeondoors.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 FLUSH WOOD INTERIOR DOORS

- A. Ultra-Heavy Duty Wood Interior Door:
 1. Stiles: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), in compliance with ASTM D 5456 and CCMC 12453-R, for a total width of 4-1/4 inches (108 mm).
 - a. Material: Hardwood, 5/8 inch (16 mm).
 - b. Material: Matched with face.
 2. Top and bottom rails: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), as per ASTM D 5456 and CCMC 12453-R, for a total width of 2 1/4 inches (57 mm), including a 5/8 inch (16 mm) piece of softwood.
 3. Core: Low-density wood laminate.
 4. Core: Hollow core.
 5. Core: Particleboard.
 6. Lock Block: Integrated.
 7. Glue: Type1 PVA Cross-link.
 8. Options:
 - a. Fire Rating: 20-minutes, in compliance with NFPA 80.
 - b. Stiles and Rails: Bonded to core.
 - c. Anti-warp Construction: 5 1/4 inches (133 mm) central rail on doors exceeding 36 inches (914 mm) in width to maintain the anti-warping warranty.
 - d. Reduced-Projection Folding Wood Door: Door hinged at 2/3 door width and at door jamb, with gear hinge, adjustable stainless steel pivots on ball bearings, and a finger guard.
- B. Heavy-Duty Wood Door:
 1. Stiles: 4-1/4 inches (108 mm) low-density wood laminate, including a 5/8 inch (16 mm) piece of hardwood matched with face.
 2. Top and Bottom Rails: 2 1/4 inches (57 mm) low-density wood laminate or equivalent composite material.
 3. Core: Pieces of kiln-dried low-density wood laminate cold-pressed or high-frequency pressed.
 4. Lock Block: Integrated.
 5. Glue: Type 1 PVA Cross-link.
 6. Options:
 - a. Fire Rating: 20 minutes, in compliance with NFPA 80.
 - b. Stiles and Rails: Bonded to core.

- C. Heavy-Duty Wood Door:
1. Stiles: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), as per ASTM D 5456 and CCMC 12453-R, for a total width of 4-1/4 inches (108 mm).
 - a. Material: Hardwood, 5/8 inch (16 mm) thick.
 - b. Material: Matched with face.
 2. Top and bottom rails: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), as per ASTM D 5456 and CCMC 12453-R, for a total width of 2 1/4 inch (57 mm), including a 5/8 inch (16 mm) piece of softwood.
 3. Core: Solid particleboard in compliance with CSA-0188 and ANSI A208-1, 28 lbs per cubic foot density.
 4. Core: Solid particleboard in compliance with CSA-0188 and ANSI A208-1 , 33 pound density.
 5. Core: Hollow core.
 6. Lock Block: Integrated.
 7. Glue: Type1 PVA Cross-link.
 8. Options:
 - a. Fire Rating: 20-minutes, in compliance with NFPA 80.
 - b. Stiles and Rails: Bonded to core.
 - c. Anti-Warping Construction: 5 1/4 inches (133 mm) central rail on doors exceeding 36 inches (914 mm) in width to maintain the anti-warping warranty.
 - d. Reduced-Projection Folding Wood Door: Door hinged at 2/3 door width and at door jamb, with gear hinge, adjustable stainless steel pivots on ball bearings, and a finger guard.
 - 1) Core: Hollow core.
 - 2) Core: Particleboard.
 - 3) Core: Laminated wood.
- D. Heavy-Duty Wood Door:
1. Stiles: 4-1/4 inches (108 mm) low-density wood laminate, including a 5/8 inch (16 mm) piece of hardwood matched with face.
 2. Top and Bottom Rails: 2 1/4 inches (57 mm) low-density wood laminate or equivalent composite material.
 3. Core: Solid particleboard in compliance with CSA-0188 or ANSI A208-1, 28 lbs per cubic foot (449 kg per cubic meter) density.
 4. Lock Block: Integrated.
 5. Glue: Type 1 PVA Cross-link/
 6. Options: 20 minute fire rating, NFPA 80..
- E. Heavy-Duty Wood Door:
1. Stiles: 4-1/4 inches (108 mm) low-density wood laminate, including a 5/8 inches (16 mm) piece of hardwood matched to face.
 2. Top and Bottom Rails: 2 1/4 inches (57 mm) low-density wood laminate or equivalent composite material.
 3. Core: 4-3/4 inch (121 mm) honeycomb.
 4. Lock Block: Integrated.
 5. Glue: Type 1 PVA Cross-link.
- F. Heavy-Duty Wood Door:
1. Stiles: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), in compliance with ASTM D 5456 and CCMC 12453-R, for a total width of 4-1/4 inch (108 mm), including a 5/8 inch (16 mm) thick material as follows:
 - a. Material: Hardwood.

- b. Material: Wood matched with face.
 - 2. Top and Bottom Rails: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), in compliance with ASTM D 5456 and CCMC 12453-R, for a total width of 2-1/4 inch (57 mm), including a 5/8 inch (16 mm) piece of softwood.
 - 3. Core: 4-3/4 inch (121 mm) honeycomb.
- G. Medium Duty Wood Door:
- 1. Stiles: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), in compliance with ASTM D 5456 and CCMC 12453-R for a total width of 1-3/4 inches (44 mm).
 - a. Material: Hardwood, 5/8 inch (16 mm) thick.
 - b. Material: Matched with face.
 - 2. Top and bottom rails: 1 inch (25 mm) clear or finger-jointed low-density wood laminate or the equivalent.
 - 3. Core: Solid particleboard in compliance with CSA-0188 or ANSI A208-1, 28 lbs per cubic foot (449 kg per cubic meter) density.
 - 4. Core: Wood laminate.
 - 5. Core: Particleboard, 33 pound density.
 - 6. Options:
 - a. Fire Rating: 20-minutes, in compliance with NFPA 80.
 - b. Stiles and Rails: Bonded to core.
- H. Medium Duty Wood Door:
- 1. Stiles: 1-3/4 inches (44 mm) low-density wood laminate.
 - a. Material: Hardwood, 5/8 inch (16 mm) thick.
 - b. Material: Matched with face.
 - 2. Top and bottom rails: 1 inch (25 mm) clear or finger-jointed low-density wood or the equivalent.
 - 3. Core: Solid particleboard in compliance with CSA-0188 or ANSI A208-1, 28 lbs per cubic foot (449 kg per cubic meter) density.
 - 4. Core: Wood laminate.
 - 5. Core: Hollow core.
 - 6. Core: Particleboard, 33 pound density.
 - 7. Options:
 - a. Fire Rating: 20-minutes, in compliance with NFPA 80.
 - b. Stiles and Rails: Bonded to core.
- I. Medium Duty Wood Door:
- 1. Stiles: 1-3/8 inches (35 mm) thick.
 - a. Material: Hardwood, 1/4 inch (6 mm) thick.
 - b. Material: Matched with face.
 - 2. Top and bottom rails: 1 1/8 inches (29 mm) thick.
 - 3. Core: Solid particleboard in compliance with CSA-0188 or ANSI A208-1, 28 lbs per cubic foot (449 kg per cubic meter) density.
 - 4. Core: Wood laminate.
 - 5. Core: Particleboard, 33 pound density.
 - 6. Options:
 - a. Fire Rating: 20-minutes, in compliance with NFPA 80.
 - b. Stiles and Rails: Bonded to core.
- J. Medium Duty Wood Door:
- 1. Stiles: 1-3/8 inch (35 mm) thick. Bonded to core.
 - a. Material: Structural composite lumber.
 - b. Material: Hardwood, 1/4 inch (6 mm) thick.
 - c. Material: Matched with face.

2. Top and bottom rails: Structural composite lumber manufacturer's choice for a total width of 1-1/8 inches (29 mm). Bonded to core
 3. Core: Solid particleboard in compliance with CSA-0188 or ANSI A208-1, 32 lbs per cubic foot (513 kg per cubic meter) density.
 4. Face Construction: 3 ply.
 5. Face Material: Plastic laminate, 1/16 inch (1.6 mm) thick.
 6. Option: Fire rating, 20-minutes, in compliance with NFPA 80.
- K. Medium Duty Wood Door:
1. Stiles: 5/8 inch (16 mm) wide. Bonded to core.
 - a. Material: Hardwood laminate.
 - b. Material: Matched with face.
 2. Core: Structural composite lumber, in compliance with ASTM D 5456, 38 lbs per cubic foot (609 kg per cubic meter) density.
 3. Option: Fire rating, 20-minutes, in compliance with NFPA 80.
- L. Medium Duty Wood Door:
1. Stiles: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), as per ASTM D 5456 and CCMC 12453-R, for a total width of 1-3/4 inches (44 mm).
 - a. Material: Hardwood, 5/8 inch (16 mm) thick.
 - b. Material: Matched with face.
 2. Top and bottom rails: 1 inch (25 mm) clear or finger-jointed low-density wood laminate or the equivalent.
 3. Core: 4-3/4 inches (121 mm) thick honeycomb.
 4. Lock Block: 4-1/4 inches (108 mm) by 20 inches (508 mm) low-density wood pieces, stile included, 1 side only.
 5. Options:
 - a. Core: Wood laminate.
 - b. Core: Particleboard.
- M. Medium Duty Wood Door:
1. Stiles: 1-3/4 inches (44 mm) thick low-density wood laminate.
 - a. Material: Hardwood, 5/8 inch (16 mm) thick.
 - b. Material: Matched with face.
 2. Top and bottom rails: 1 inch (25 mm) clear or finger-jointed low-density wood or the equivalent.
 3. Core: 4-3/4 inches (121 mm) honeycomb
 4. Lock Block: 4 1/4 inches (108 mm) by 20 inches (508 mm) low-density wood pieces, stile included, 1 side only.
 5. Options:
 - a. Stiles and Rails: Bonded to core.
 - b. Core: Laminated wood.
- N. Light To Medium Duty Wood Door:
1. Stiles: 1 inch (25 mm) clear or finger-jointed low-density wood laminate.
 2. Top and bottom rails: 1 thick (25 mm).
 3. Core: Solid particleboard in compliance with CSA-0188 or ANSI A208-1, 28 lbs per cubic foot (449 kg per cubic meter) density.
 4. Core: Laminated wood.
 5. Core: Particleboard, 33 pound density.
 6. Lock Block: Integrated.
 7. Options:
 - a. Fire rating: 20-minutes, in compliance with NFPA 80.
 - b. Rails: Pine.
 - c. Rails: Basswood.

- d. Stiles: Clear wood.
 - e. Stiles and Rails: Bonded to core.
- O. Light To Medium Duty Wood Door:
- 1. Stiles: 1 inch (25 mm), clear (no joints).
 - 2. Top and bottom rails: 1 inch (25 mm) thick.
 - 3. Core: Solid particleboard in compliance with CSA-0188 or ANSI A208-1, 28 lbs per cubic foot (449 kg per cubic meter) density.
 - 4. Core: Particleboard, 33 pound density.
 - 5. Lock Block: Integrated.
 - 6. Options:
 - a. Fire Rating: 20 minutes, in compliance with NFPA 80.
 - b. Rails: Pine rails.
 - c. Stiles and Rails: Bonded to core.
- P. Fire Rated Wood Door:
- 1. Fire Rating: 45 minutes, in compliance with NFPA 80.
 - a. Stile: 7/8 inch (22 mm) maximum untreated hardwood.
 - b. Top Rail: 7/8 inch (22 mm) maximum untreated hardwood.
 - c. Bottom Rail: 1 3/4 inches (44 mm) maximum untreated hardwood.
 - 2. Fire Rating: 60 minutes, in compliance with NFPA 80.
 - a. Stile: 1-1/4 inch (32 mm) maximum untreated hardwood.
 - b. Top Rail: 1-3/4 inch (44 mm) maximum Firestop I or II or untreated hardwood.
 - c. Bottom Rail: 1 3/4 inches (44 mm) maximum Firestop I.
 - 3. Fire Rating: 90 minutes, in compliance with NFPA 80.
 - a. Stile: 1-1/4 inch (32 mm) maximum untreated hardwood.
 - b. Top Rail: 1 3/4 inch (44 mm) maximum Firestop I or II or untreated hardwood.
 - c. Bottom Rail: 1 3/4 inches (44 mm) maximum Firestop I.
 - 4. Core: Non-combustible mineral.
 - 5. Glue: Type 1 PVA.
 - 6. Options:
 - a. Neutral pressure, 45/60/90 minute, in accordance with UL 10B/ UBC 7-2-1994.
 - b. Positive pressure, 45/60/90 minute, in accordance with UL 10C/ UBC 7-2-1997, Category A : fire doors that do not required the addition of other components such as edge seals. Intumescents being incorporated in the door construction.
 - c. Positive pressure, 45/60/90 minute, in accordance with UL 10C/ UBC 7-2-1997, Category B : fire doors that required the addition of an edge seal. Edge seal could be intumescent and /or gasketing. Edge seals are typically added to the frame.
- Q. Radiation Protection Door:
- 1. Radiation Protection: One 1/32 inch (0.8 mm) sheet pressure bonded to the core covering the entire surface of the door.
 - 2. Radiation Protection: One 1/16 inch (1.6 mm) lead sheet pressure bonded to the core covering the entire surface of the door.
 - 3. Radiation Protection: Two 1/32 inch (0.8 mm) sheets pressure bonded to the core covering the entire surface of the door.
 - 4. Radiation Protection: Two 1/16 inch (1.6 mm) lead sheets pressure bonded to the center covering the entire surface of the door.
 - 5. Radiation Protection: Custom thickness lead sheet as indicated.
 - 6. Stiles: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), in compliance with

ASTM D 5456 and CCMC 12453-R, for a total width of 4 1/4 inches (108 mm).

- a. Material: Hardwood 5/8 inches (16 mm).
 - b. Material: Matched with face.
 7. Top and Bottom Rails: LVL of 1/8 inch (3 mm) thick veneer, longitudinally laminated by hot pressing with type 1 structural glue (phenol formaldehyde), in compliance with ASTM D 5456 and CCMC 12453-R, for a total width of 2 1/4 inches (57 mm), including a 5/8 inch (16 mm) piece of softwood.
 8. Core: Solid particleboard in compliance with CSA-0188 and ANSI A208-1, 45 lbs per cubic foot (722 kg per cubic meter) density.
 9. Lock Block: Integrated.
 10. Options:
 - a. Lead Thickness: Additional thickness, as required for project conditions.
 - b. Fire Rating: 20 minutes, in compliance with NFPA 80.
 - c. Stiles and Rails: Bonded to core.
- R. Door Characteristics:
1. Door Thickness: 1-3/8 inches (35 mm).
 2. Door Thickness: 1-3/4 inches (44 mm).
 3. Door Thickness: Custom as indicated.
 4. Performance Duty Level (WDMA): Standard duty.
 5. Performance Duty Level (WDMA): Heavy duty.
 6. Performance Duty Level (WDMA): Extra heavy duty.
 7. Door Construction: 5 ply.
 8. Door Construction: 7 ply.
 9. Face Material: Hardboard panel.
 10. Face Material: Plastic laminate glued to veneer plywood.
 11. Face Material: Wood veneer.
 12. Aesthetic Grade: AWI Premium.
 13. Aesthetic Grade: AWI Custom.
 14. Face Grade: AA.
 15. Face Grade: A.
 16. Face Grade: B.
 17. Veneer Cut: Quartered.
 18. Veneer Cut: Rift.
 19. Veneer Cut: Rotary.
 20. Veneer Cut: Sliced.
 21. Species and Cut: White birch, rotary cut.
 22. Species and Cut: Natural birch, rotary cut.
 23. Species and Cut: Red oak, flat cut.
 24. Species and Cut: Red oak, rift cut.
 25. Species and Cut: White oak, flat cut.
 26. Species and Cut: White maple, flat cut.
 27. Species and Cut: Mahogany, flat cut.
 28. Species and Cut: Cherry, flat cut.
 29. Species and Cut: White ash, flat cut.
 30. Species and Cut: Walnut, flat cut.
 31. Species and Cut: White Birch , flat cut.
 32. Species and Cut: White Maple, rotary cut.
 33. Species and Cut: Maple, quarter cut.
 34. Species and Cut: Natural Maple, plain sliced.
 35. Species and Cut: White Oak, plain sliced.
 36. Species and Cut: White Oak, quarter cut.
 37. Species and Cut: Red Oak, plain sliced.
 38. Species and Cut: Red Oak, rotary cut.

39. Species and Cut: African Mahogany, plain sliced.
40. Species and Cut: African Mahogany, quarter cut.
41. Species and Cut: Sapele, quarter cut.
42. Species and Cut: American Sycamore, quarter cut.
43. Species and Cut: Teak, plain sliced.
44. Species and Cut: VG Fir, quarter cut.
45. Species and Cut: Walnut, quarter cut.
46. Species and Cut: Wenge.
47. Species and Cut: Anigre, quarter cut.
48. Species and Cut: White Ash, plain sliced.
49. Species and Cut: White Ash, Quarter cut.
50. Species and Cut: European Steem Beach, plain sliced.
51. Species and Cut: Natural Birch, plain sliced.
52. Species and Cut: White Birch, plain sliced.
53. Species and Cut: Hemlock, quarter cut.
54. Species and Cut: Cherry plain sliced.
55. Species and Cut: Cherry quarter cut.
56. Species and Cut: Ebony Macassar, quarter cut.
57. Species and Cut: Hickory, plain sliced.
58. Species and Cut: Honduras Mahogany, quarter cut.
59. Species and Cut: Jotoba, plain sliced.
60. Species and Cut: Makore, quarter cut.
61. Veneer Match: Book match.
62. Veneer Match: Random match.
63. Veneer Match: Slip match.
64. Veneer Assembly: Balanced.
65. Veneer Assembly: Center.
66. Veneer Assembly: Running.
67. Matching Requirements: Not matching.
68. Matching Requirements: Color only.
69. Matching Requirements: Pattern only.
70. Matching Requirements: Color and pattern.
71. Appearance of Doors in Pairs or Sets: No matching required.
72. Appearance of Doors in Pairs or Sets: Color matched.
73. Appearance of Doors in Pairs or Sets: Pattern matched.
74. Appearance of Doors in Pairs or Sets: Color and pattern matched.
75. Appearance of Transoms: Continuous match.
76. Appearance of Transoms: End match.
77. Appearance of Transoms: Color match.
78. Appearance of Transoms: No matching required.
79. Finish Location: Factory finishing.
80. Finish Location: Field finishing.
81. Finish Type: Factory primed.
82. Finish Type: Transparent (clear).
83. Finish Type: Opaque paint.
84. Finish Type: Opaque stain..
85. Stain: Clear.
86. Stain: Golden oak.
87. Stain: Dark brown.
88. Stain: Medium brown.
89. Stain: Dark mahogany.
90. Stain: Medium mahogany.
91. Facing: Medium Density Overlay (MDO).

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until adjacent construction has been properly prepared.
- B. If adjacent construction preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install wood doors in accordance with manufacturer's instructions.
- B. Install wood door hardware in accordance with door and hardware manufacturer's instructions. Adjust hardware for proper door function and latching, and for smooth operation without excessive force or excessive clearance.
- C. Install fire rated doors in corresponding fire rated frames in accordance with the requirements of the labeling agency and NFPA 80.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair, or replace damaged products before Substantial Completion.

3.5 SCHEDULES

- A. Door Schedule: (Insert)

END OF SECTION