Specifier Note:

This section covers the Aspiro™ Series | Marshfield-Algoma™ by Masonite Architectural. This Architectural Wood Door series embodies the very best of our legacy brands Marshfield-Algoma™ - Harring and offers a collection of wood doors that include Interior and Exterior Stile & Rail Doors and Interior Bonded Flush Wood Doors.

The Aspiro™ Series | Marshfield-Algoma™ by Masonite Architectural is available with the following surface materials; Select Wood Veneer for transparent finish, MDO for premium paint, Choice laminate (HPDL) and High-Impact.

Interior doors have a Lifetime Warranty. Exterior Stile and Rail doors have a 3 year Warranty.

Consult Masonite Architectural for assistance in editing this section for the specific application. Visit [www.masonitearchitectural.com](http://www.masonitearchitectural.com) to locate a Territory Sales Manager in your region.

This section combines flush wood doors and stile and rail wood doors in a single section for convenience of the specifier.

SECTION 08 14 05 – ARCHITECTURAL WOOD DOORS

1. GENERAL
   * + 1. SUMMARY
          1. Section Includes:

Interior flush wood doors.

[**Exterior**] [**and**] [**Interior**] Stile and rail wood doors.

Radiation shielded wood doors.

Acoustic (STC) rated wood doors.

Ballistic rated wood doors.

Matching [**exterior**] [**and**] [**interior**] wood frames.

* + - * 1. Related Requirements:

Section [**08 7100**] <**insert section number**>: Door hardware.

Section [**09 9123**] <**insert section number**>: Site painting.

Section <**insert section number**>: <**insert content description**>.

* + - 1. COORDINATION
         1. STC-Rated Doors: Where installed in hollow metal frames, fill frames with compressed mineral wool insulation.
      2. PREINSTALLATION MEETINGS
         1. Conduct pre-installation meeting at Project site.
         2. Discussion Topics:

Delivery, storage, and handling.

Coordination with hardware [**and access control**] installers.

Protection of installed doors.

<**insert topic**>

* + - 1. ACTION SUBMITTALS
         1. Product Data: Each type of door and finish.

Core and edge construction.

Fire rated doors.

Glazed openings.

Louvers.

Finishes.

* + - * 1. Shop Drawings and Schedule:

Use same unit designations used in Contract Documents.

Hardware [**and wiring chase**] preparation.

Glazed openings.

Louvers.

* + - * 1. Samples for Selection:

Available standard [**stain**] [**and**] [**paint**] colors and gloss options. Submit samples in the form of actual materials; printed brochures are not acceptable.

Available molding profiles for glazed openings.

* + - * 1. Samples for Verification:

Each required veneer species and factory finish; corner unit showing construction and finish minimum 8 by 10 inches (200 by 250 mm) <**insert size**>.

Light Opening Moldings: Minimum 6 inches (150 mm) long, for each material, type, and finish required.

* + - 1. INFORMATIONAL SUBMITTALS
         1. Sustainable Design Submittals:

[Chain-of-Custody Certificates](http://www.arcomnet.com/sustainable_design.aspx?topic=146): For certified wood products. Include statement of costs.

Specifier Note:

Subparagraph below applies to LEED v4.

[Chain-of-Custody Qualification Data](http://www.arcomnet.com/sustainable_design.aspx?topic=148): For manufacturer and vendor.

Specifier Note

Subparagraph below applies to LEED v4.

[Laboratory Test Reports](http://www.arcomnet.com/sustainable_design.aspx?topic=18): For adhesives, indicating compliance with requirements for low-emitting materials.

Specifier Note

Subparagraph below applies to LEED v4.

[Laboratory Test Reports](http://www.arcomnet.com/sustainable_design.aspx?topic=17): For composite wood products, indicating compliance with requirements for low-emitting materials.

Specifier Note

Include following paragraph if Project has fire-rated oversize doors for which engineering judgment certification is needed. Most door manufacturers test doors to 4 ft. width and 10 ft. height, but verify size limitations with door manufacturers.

* + - * 1. Oversize Construction Certification: Engineering judgment certification of fire resistance ratings for oversize doors not specifically tested by manufacturer.
      1. CLOSEOUT SUBMITTALS
         1. Maintenance data.
         2. Manufacturer warranties transferrable to Owner.
      2. QUALITY ASSURANCE

Specifier Note

Retain following paragraphs if required for LEED v4. Note that some states require specifications for publicly-funded projects to allow certification by agencies other than FSC.

* + - * 1. [Manufacturer Qualifications](http://www.arcomnet.com/sustainable_design.aspx?topic=25): Certified for chain of custody by an FSC-accredited certification body.

* + - * 1. [Vendor Qualifications](http://www.arcomnet.com/sustainable_design.aspx?topic=26): Certified for chain of custody by an FSC-accredited certification body.

Specifier Note

Mock-ups are not usual for wood doors, but if project size or complexity justifies cost they can be specified here. Sample text below is for projects that have full room mockups, such as hospital and hospitality projects.

* + - * 1. Mock-Ups: Supply doors for room mock-ups specified in Division 01.

Acceptable mock-ups in satisfactory condition at Substantial Completion may remain as part of the Work.

* + - 1. DELIVERY, STORAGE, AND HANDLING
         1. Package factory-finished doors individually in manufacturer’s standard plastic bags, stretch wrap, or cardboard cartons.
         2. Store doors inside building in clean, dry location.
         3. Mark each door on top bottom rail with opening number used on Shop Drawings.
      2. FIELD CONDITIONS
         1. Environmental Limitations: Do not deliver or install doors until spaces are enclosed and weather tight, wet work in spaces is complete and dry, and HVAC system is operating and maintaining temperature between 60 and 90 deg F (16 and 32 deg C) and relative humidity at occupancy levels during remainder of construction period.
      3. MANUFACTURER WARRANTIES
         1. Manufacturer agrees to repair or replace doors that fail in materials or workmanship within specified warranty period.

Failures include, but are not limited to, the following:

Warping (bow, cup, or twist) more than 1/4 inch (6 mm) in 42-by-84-inch (1065-by-2130-mm) section.

Telegraphing of core construction in face veneers exceeding 0.01 inch in 3-inch (0.25 mm in 76-mm) span.

Warranty shall also include installation and finishing that may be required due to repair or replacement of defective doors.

Specifier Note:

There are some restrictions that apply to each of the warranty periods below. Please check the website for further details. www.Masonite.com

* + - * 1. Warranty Periods:

Solid-Core Interior Doors [**and Wood Frames**]: Life of installation.

Interior Stile and Rail Doors [**and Wood Frames**]: Life of installation.

Exterior Stile and Rail Doors [**and Wood Frames**]: 3 years.

1. PRODUCTS
   * + 1. MANUFACTURERS
          1. Basis of Design: Products of Aspiro™ Series | Marshfield-Algoma by Masonite Architectural are specified to indicate requirements for quality and appearance.

Website: [masonite.com/architectural/products/aspiro-series](https://www.masonite.com/architectural/products/aspiro-series/authentic-stile-rail)

Phone: 877.332.4484

* + - * 1. Subject to compliance with requirements, equivalent products of the following manufacturers will be acceptable.

<**insert manufacturer name**>

<**insert manufacturer name**>

* + - * 1. Source Control: Supply all wood doors from a single manufacturer.
      1. MANUFACTURING STANDARDS

Specifier Note:

Although Masonite Architectural and most other wood door manufacturers can manufacture interior doors to AWS requirements, Masonite Architectural recommends WDMA standards because they include requirements for performance testing and have equivalent appearance requirements to AWS. Do not use both standards.

When flush or stile and rail doors that must match adjacent wood paneling or have other unusual requirements are needed, specify them per AWS standards with other architectural woodwork in Division 06.

* + - * 1. Interior Flush Wood Doors: Window & Door Manufacturers Association publication ANSI/WDMA I.S. 1A “Industry Standard for Interior Architectural Wood Flush Doors”.
        2. Interior Stile and Rail Wood Doors: Window & Door Manufacturers Association publication ANSI/WDMA I.S. 6A “Industry Standard for Interior Architectural Wood Stile and Rail Doors”.
        3. Fire-Rated Wood Doors: Conforming to NFPA 80; listed and labeled for required ratings based on testing at positive pressure NFPA 252 or UL 10C by UL or other testing agency acceptable to authorities having jurisdiction

Specifier Note:

Retain “Temperature-Rise Limit” Subparagraph below if required. The International Building Code allows an exception for buildings equipped throughout with fire-suppression sprinklers.

Temperature-Rise Limit: [**Where indicated**] [**At vertical exit enclosures and exit passageways**], provide doors that have a maximum transmitted temperature end point of not more than 250 deg F (121 deg C) above ambient after 30 minutes of standard fire-test exposure.

Blocking: Provide composite blocking approved for use in doors of fire-protection ratings indicated as needed to maintain WDMA performance level and eliminate through-bolting hardware.

Specifier Note:

Coordinate with door hardware section whether rated doors are to have factory-installed intumescent seals or surface-applied seals conforming to Section 08 7100.

Vertical Edge Construction:

Category A Positive Pressure: Integral intumescent seals concealed by outer stile where required.

Category B Positive Pressure: Intumescent seals applied to door frame per requirements of Section 08 7100 Door Hardware where required.

Specifier Note:

Retain “Pairs” Subparagraph below if steel edges and astragals are unacceptable. Coordinate availability and ratings with manufacturers.

Pairs: Fire-retardant stiles with concealed intumescent seals that are listed and labeled for applications indicated without formed-steel edges and astragals.

Specifier Note:

Retain “Pairs” Subparagraph below if steel edges and astragals are acceptable.

Pairs: Formed-steel edges and astragals with intumescent seals as required for ratings.

Steel edges and astragals factory primed for field painting.

Veneer wrapped steel edges in same species and finish as door faces.

Steel edges and astragals with baked enamel in color selected by Architect from manufacturer’s standard offering.

Stainless steel edges and astragals, #4 satin polish.

Specifier Note:

Following requirement applies only to ‘I’ occupancy projects.

* + - * 1. Smoke- and Draft-Control Door Assemblies: Listed and labeled for smoke and draft control based on testing per UL 1784.

Specifier Note:

Coordinate following with door hardware specification. Aspiro doors are available with acoustical rating of STC 30 to STC 47, depending on construction.

* + - * 1. Acoustical Rating for Solid Core Doors: Where indicated in door schedule on Drawings, provide STC <**insert number based on manufactures options**> doors supplied with seals and gaskets tested by manufacturer.
      1. SUSTAINABILITY REQUIREMENTS

Specifier Note:

Some states require specifications for publicly-funded projects to allow certification by agencies other than FSC.

* + - * 1. [Certified Wood](http://www.arcomnet.com/sustainable_design.aspx?topic=155): “FSC Pure” [**or “FSC Mixed Credit”**] per FSC STD-01-001 and FSC STD-40-004.

* + - * 1. [Adhesives](http://www.arcomnet.com/sustainable_design.aspx?topic=64): Meeting testing and product requirements of California Department of Public Health’s “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers.”

* + - * 1. [Composite Wood Products](http://www.arcomnet.com/sustainable_design.aspx?topic=63): Manufactured with ultra-low-emitting formaldehyde resins as defined in California Air Resources Board’s “Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products” or with no added formaldehyde.
      1. INTERIOR SOLID CORE FLUSH WOOD DOORS FOR TRANSPARENT FINISH – SELECT WOOD VENEER
         1. Basis of Design: Aspiro™ Series | Marshfield-Algoma™ by Masonite Architectural.

Specifier Note:

If more than one type of transparent flush doors are required, copy paragraph for additional types.

* + - * 1. Solid Core Select Wood Veneer Flush Doors <**insert drawing designation**>:

Specifier Note:

Wood flush door aesthetics are specified by choosing a Premium grade or Custom grade door. These designations determine the basic appearance of the door with respect to veneer grade, matching requirements, pair and set matching, vertical edge species and other attributes that determine the appearance in individual doors and doors in pairs.

Premium Grade: The highest grade commercially available in both material and fabrication. This grade is intended for the finest commercial, industrial and institutional buildings. Uses AA grade faces (A grade faces for Western Red Alder, White Pine, Douglas Fir and Redwood) that are assembled using book and center balance match; other face options are available but must be specified.

Custom Grade: The standard grade in both material and fabrication. This grade is intended for high-quality work. Uses A Grade faces that are assembled using book and running match; other face options are available but must be specified.

Note: If the Aesthetic Grade is not specified, Custom grade is the default.

WDMA Quality grade: [**Custom.**] [**Premium.**]

WDMA Performance Level: [**Extra Heavy Duty.**] [**Heavy Duty.**]

Specifier Note:

Although the standard veneer grade for Custom grade doors is A, they can be specified with AA veneer.

Faces:

Veneer Grade: [**AA.**] [**A.**]

Veneer Species: [**African Mahogany**] [**Anegre**] [**White Birch**] [**Cherry**] [**White Maple**] [**Red Oak**] [**White Oak**] [**Sapele**] [**Walnut**] <**Insert species**>.

Specifier Note:

Rift cut applies only to oak veneers.

Veneer Cut: [**Rotary cut**] [**Plain sliced (Flat cut)**] [**Quarter sliced**] [**Rift cut**].

Veneer Leaf Match: [**Book match.**] [**Slip match.**]

Veneer Face Match/Assembly: [**Running**] [**Balance**] [**Center-balance**].

Specifier Note:

Special veneer designs that may have more than one species can be specified in next subparagraph. Delete preceding “matching” and “assembly” subparagraphs.

Decorative Arrangement: [**See door elevations on Drawings.**] <**insert manufacturer designation or general description**>.

Pair Match: Provide for doors hung in same opening [**or separated only by mullions**].

Vertical Edges: Structural composite lumber [**Matching/Compatible Veneer edge band over structural composite lumber.**] [**Matching**/**Compatible Hardwood lumber that matches face veneer.**] [**Matching** **1/8 inch (3.2mm) high impact edge bonded to structural composite lumber.**].

Horizontal Edges: Structural composite lumber. **[Hardwood] [Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom).] [Veneer edge band-top rail only.]**

Core: [**Wood-based Particleboard (PC).**] [**Extra heavy duty wood-based particleboard (PC).**] [**Structural composite lumber (SCLC).**]

Construction: Five Plies; stiles and rails bonded to core, and entire unit is abrasive planed before veneering.

Specifier Note:

1-3/8 Solid-Core Doors are only available with Heavy Duty Particleboard core.

Thickness: [**1-3/8 inch.**] [**1-3/4 inch.**]

Wood Applied Moldings: Design [**A**] [**B**] [**C**] [**D**] [**E**] [**F**] [**G**] [**H**] [**J**].

Pattern: [**See door elevations on Drawings.**] <**insert manufacturer designation or general description**>.

* + - * 1. Solid Core Select Wood Veneer Flush Doors with Glazed Lites <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other standard veneer flush solid core wood doors.

Factory Glazing: Refer to Section 08 8000 "Glazing" for glass view panels in flush wood doors. Factory install glass **[as required] [in fire rated doors only]**. Fill glazing bead nail holes in factory finished doors.

Specifier Note:

Applied Grille simulates the appearance of multiple lites when used with a single piece of glass.

Wood Glazing Accessories: Solid wood of same species as face veneer in standard profile selected by Architect.

Bead Profile: **[Straight Lip.] [Beveled Lip.] [Straight.] [Beveled.] [Straight with Reveal.] [Straight Lip-insulated glass.]**

Applied Grille: **[MD Kit Lip Bead.] [MD Kit Beveled Bead] [Classic Grille Straight Bead.] [Classic Grille Beveled Bead.]**

Metal Glazing Frames: Manufacturer's standard frame formed of 0.048-inch- (1.2-mm-) thick, cold-rolled steel sheet; **[factory primed for paint] [with baked-enamel- or powder-coated finish]**.

Specifier Note:

The 110 frames have 1-1/4” flanges. The 115-L1 frame is for two lites of glass with thermal spacer. Frames 115-L2 and 115-L3 have 1-1/2” flanges.

Frame Design: Metal Vision Frame **[110] [110 Veneer Wrapped] [115-L1] [115-L2] [115-L3].**

Specifier Note:

Tempered glass is manufacturer’s standard, but other glazing options are available.

* + - * 1. Solid Core Select Wood Veneer Flush Doors with Louvers <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other standard veneer flush solid core wood doors.

Specifier Note:

Both metal louvers are chevron type; 600A1 has smaller blades with closer spacing.

Wood Louvers: [**Sight-proof**] [**Round slat**] [**Flat slat**].

Metal Louvers: [**600A1**] [**800A1]**; [**Factory primed for field painting.**] [**Paint finish in color selected by Architect from manufacturer’s standard colors.**] [**Paint finish to match Architect’s color sample.**]

Specifier Note:

See Article 2.2 above for whether following types of doors have factory-installed gasketing and intumescent seals or site-installed seals specified with other door hardware.

* + - * 1. Fire-Rated Select Wood Veneer Flush Doors: <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Ratings: [**Category A positive pressure.**] [**Category B positive pressure.**] [**Neutral pressure.**].

Core:

20-Minute Doors: [**Wood-based particleboard core.**] [**Extra-heavy duty Wood-based particleboard core.**] [**Structural composite lumber core**.]

45-Minute Doors: **[Fire resistant wood-based particleboard core.] [Mineral core.]**

60-, 90-Minute Doors: Mineral core with blocking options.

Vertical Edges:

20-Minute Doors: Matching/Compatible Veneer edge-band over structural composite lumber, [**Matching/Compatible Hardwood.**] [**Matching** **1/8 inch (3.2mm) high impact edge bonded to structural composite lumber.**].

45-Minute Fire Resistant Particleboard Core Doors: Veneer edge-band over fire stile. [**Matching** **1/8 inch (3.2mm) high impact edge bonded to structural composite lumber.**].

45-, 60-, 90-Minute Mineral Core Doors: Veneer edge-band over fire stile. [**Hardwood composite fire stile.**] [**Matching** **1/8 inch (3.2mm) high impact edge bonded to structural composite lumber.**].

Horizontal Edges:

20-Minute Doors: Structural composite lumber. [**Hardwood**] [**Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom).**] [**Veneer edge band-top rail only**.]

45-Minute Fire Resistant Particleboard Core Doors: Manufactures standard construction. [**Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom)**.] [**Veneer edge band-top rail only**.]

45-, 60-, 90-Minute Doors: Manufactures standard construction per label service listing. [Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom).] [Veneer edge band-top rail only.].

* + - * 1. Fire-Rated Select Wood Veneer Flush Doors with Glazed Lites <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Factory Glazing: Refer to Section 08 8000 "Glazing" for glass view panels in flush wood doors. Factory install glass **[as required] [in fire rated doors only]**. Fill glazing bead nail holes in factory finished doors.

Glazing: Factory-installed fire-rated safety glass for door rating.

Specifier Note:

Applied Grille simulates the appearance of multiple lites when used with a single piece of glass.

Wood Glazing Accessories: Solid wood of same species as face veneer in standard profile selected by Architect.

Bead Profile: **[Straight Lip.] [Beveled Lip.] [Straight.] [Beveled.] [Straight with Reveal.] [Straight Lip-insulated glass.]**

Applied Grille: **[MD Kit Lip Bead.] [MD Kit Beveled Bead] [Classic Grille Straight Bead.] [Classic Grille Beveled Bead.]**

At wood-core doors with 20-minute fire-protection ratings, provide wood beads and metal glazing clips as required and approved for such use.

Veneer Wrap Bead for Light Openings in Fire-Rated Doors: Manufacturer's standard veneer wrap bead matching veneer specie of door face and approved for use in doors of fire-protection rating indicated. Include concealed metal glazing clips where required for opening size and fire-protection rating indicated.

Metal Glazing Frames: Manufacturer's standard frame formed of 0.048-inch- (1.2-mm-) thick, cold-rolled steel sheet; **[factory primed for paint] [with baked-enamel- or powder-coated finish]**; and approved for use in doors of fire-protection rating indicated.

Specifier Note:

The 110 frames have 1-1/4” flanges. The 115-L1 frame is for two lites of glass with thermal spacer. Frames 115-L2 and 115-L3 have 1-1/2” flanges.

Frame Design: Metal Vision Frame **[110] [110 Veneer Wrapped] [115-L1] [115-L2] [115-L3].**

Specifier Note:

Tempered glass is manufacturer’s standard, but other glazing options are available.

* + - * 1. Fire-Rated Select Wood Veneer Flush Doors with Louvers: <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Louvers for fire-rated Doors: Metal louvers with fusible link and closing device, listed and labeled for use in doors with fire-protection rating of 1-1/2 hours and less.

Metal and Finish: 18 gauge cold rolled steel, **[factory primed for paint] [with manufacturer's standard color baked-enamel- or powder-coated] [with custom color baked enamel or powder coated]** finish.

* + - 1. INTERIOR SOLID CORE FLUSH WOOD DOORS FOR OPAQUE FINISH – PREMIUM PAINTED
         1. Basis of Design: Aspiro™ Series | Marshfield-Algoma™ by Masonite Architectural.
         2. Solid Core Premium Painted Flush Doors <**insert drawing designation**>:

WDMA Quality grade: [**Custom.**] [**Premium.**]

WDMA Performance Level: [**Extra Heavy Duty.**] [**Heavy Duty.**]

Faces: Medium density overlay (MDO).

Vertical Edges: Hardwood over Structural composite lumber. [**Matching** **1/8 inch (3.2mm) high impact edge bonded to structural composite lumber.**].

Horizontal Edges: Structural composite lumber. **[Hardwood] [Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom).].**

Core: [**Wood-based Particleboard (PC).**] [**Extra heavy duty wood-based particleboard (PC).**] [**Structural composite lumber (SCLC).**]

Construction: Five Plies; stiles and rails bonded to core, and entire unit is abrasive planed before veneering.

Specifier Note:

SCLC does not require blocking for hardware as PC does and is the modern replacement for traditional staved lumber core (SLC) construction.

Thickness: [**1-3/8 inch**.] [**1-3/4 inch**.] [**2 inch**.] [**2-1/4 inch**.].

Wood Applied Moldings: Design [**A**] [**B**] [**C**] [**D**] [**E**] [**F**] [**G**] [**H**] [**J**].

Pattern: [**See door elevations on Drawings.**] <**insert manufacturer designation or general description**>.

* + - * 1. Solid Core Premium Painted Flush Doors with Glazed Lites <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other standard veneer flush solid core wood doors.

Factory Glazing: Refer to Section 08 8000 "Glazing" for glass view panels in flush wood doors. Factory install glass **[as required] [in fire rated doors only]**. Fill glazing bead nail holes in factory finished doors.

Specifier Note:

Applied Grille simulates the appearance of multiple lites when used with a single piece of glass.

Wood Glazing Accessories: Solid wood of same species as face veneer in standard profile selected by Architect.

Bead Profile: **[Straight Lip.] [Beveled Lip.] [Straight.] [Beveled.] [Straight with Reveal.] [Straight Lip-insulated glass.]**

Applied Grille: **[MD Kit Lip Bead.] [MD Kit Beveled Bead] [Classic Grille Straight Bead.] [Classic Grille Beveled Bead.]**

Metal Glazing Frames: Manufacturer's standard frame formed of 0.048-inch- (1.2-mm-) thick, cold-rolled steel sheet; **[factory primed for paint] [with baked-enamel- or powder-coated finish]**.

Specifier Note:

The 110 frames have 1-1/4” flanges. The 115-L1 frame is for two lites of glass with thermal spacer. Frames 115-L2 and 115-L3 have 1-1/2” flanges.

Frame Design: Metal Vision Frame **[110] [110 Veneer Wrapped] [115-L1] [115-L2] [115-L3].**

Specifier Note:

Tempered glass is manufacturer’s standard, but other glazing options are available.

* + - * 1. Solid Core Premium Painted Flush Doors with Louvers <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other standard veneer flush solid core wood doors.

Specifier Note:

Both metal louvers are chevron type; 600A1 has smaller blades with closer spacing.

Wood Louvers: [**Sight-proof**] [**Round slat**] [**Flat slat**].

Metal Louvers: [**600A1**] [**800A1]**; [**Factory primed for field painting.**] [**Paint finish in color selected by Architect from manufacturer’s standard colors.**] [**Paint finish to match Architect’s color sample.**]

* + - * 1. Fire-Rated Premium Painted Flush Doors: <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other opaque finish flush wood doors.

Ratings: [**Category A positive pressure.**] [**Category B positive pressure.**] [**Neutral pressure.**].

Core:

20-Minute Doors: [**Wood-based particleboard core.**] [**Extra-heavy duty Wood-based particleboard core.**] [**Structural composite lumber core**.]

45-Minute Doors: **[Fire resistant wood-based particleboard core.] [Mineral core.]**

60-, 90-Minute Doors: Mineral core with blocking options.

Vertical Edges:

20-Minute Doors: Hardwood over structural composite lumber, [**Matching** **3mm high impact acrylic edge bonded to structural composite lumber**.]

45-Minute Fire Resistant Particleboard Core Doors: Manufactures standard construction. [**Matching** **1/8 inch (3.2mm) high impact edge bonded to structural composite lumber.**].

45-, 60-, 90-Minute Mineral Core Doors: Hardwood composite fire stile. [**Matching** **3mm high impact acrylic edge bonded to structural composite lumber**.].

Horizontal Edges:

20-Minute Doors: Structural composite lumber. [**Hardwood**] [**Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom).**]

45-Minute Fire Resistant Particleboard Core Doors: Manufactures standard construction. [**Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom)**.] [**Veneer edge band-top rail only**.]

45-, 60-, 90-Minute Doors: Manufactures standard construction per label service listing. [Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom).].

* + - * 1. Fire-Rated Premium Painted Flush Doors with Glazed Lites <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Factory Glazing: Refer to Section 08 8000 "Glazing" for glass view panels in flush wood doors. Factory install glass **[as required] [in fire rated doors only]**. Fill glazing bead nail holes in factory finished doors.

Glazing: Factory-installed fire-rated safety glass for door rating.

Specifier Note:

Applied Grille simulates the appearance of multiple lites when used with a single piece of glass.

Wood Glazing Accessories: Solid wood of same species as face veneer in standard profile selected by Architect.

Bead Profile: **[Straight Lip.] [Beveled Lip.] [Straight.] [Beveled.] [Straight with Reveal.] [Straight Lip-insulated glass.]**

Applied Grille: **[MD Kit Lip Bead.] [MD Kit Beveled Bead] [Classic Grille Straight Bead.] [Classic Grille Beveled Bead.]**

At wood-core doors with 20-minute fire-protection ratings, provide wood beads and metal glazing clips as required and approved for such use.

Veneer Wrap Bead for Light Openings in Fire-Rated Doors: Manufacturer's standard veneer wrap bead matching veneer specie of door face and approved for use in doors of fire-protection rating indicated. Include concealed metal glazing clips where required for opening size and fire-protection rating indicated.

Metal Glazing Frames: Manufacturer's standard frame formed of 0.048-inch- (1.2-mm-) thick, cold-rolled steel sheet; **[factory primed for paint] [with baked-enamel- or powder-coated finish]**; and approved for use in doors of fire-protection rating indicated.

Specifier Note:

The 110 frames have 1-1/4” flanges. The 115-L1 frame is for two lites of glass with thermal spacer. Frames 115-L2 and 115-L3 have 1-1/2” flanges.

Frame Design: Metal Vision Frame **[110] [110 Veneer Wrapped] [115-L1] [115-L2] [115-L3].**

Specifier Note:

Tempered glass is manufacturer’s standard, but other glazing options are available.

* + - * 1. Fire-Rated Select Wood Veneer Flush Doors with Louvers: <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Louvers for fire-rated Doors: Metal louvers with fusible link and closing device, listed and labeled for use in doors with fire-protection rating of 1-1/2 hours and less.

Metal and Finish: 18 gauge cold rolled steel, **[factory primed for paint] [with manufacturer's standard color baked-enamel- or powder-coated] [with custom color baked enamel or powder coated]** finish.

* + - 1. LAMINATE FINISH WOOD DOORS INTERIOR SOLID CORE LAMINATE-FACED (HPDL) DOORS – CHOICE LAMINATE
         1. Basis of Design: Aspiro™ Series | Marshfield-Algoma™ by Masonite Architectural.
         2. Solid Core Choice Laminate (HPDL) Flush Doors <**insert drawing designation**>:

WDMA Quality grade: [**Custom.**] [**Premium.**]

WDMA Performance Level: [**Extra Heavy Duty.**] [**Heavy Duty.**]

Faces: High-pressure decorative laminates complying with NEMA LD 3, Grade HGS. Vertical and post formable grade laminates are not acceptable.

Colors, Patterns: **[Color and pattern selected by Architect from manufacturer’s standards] [Color and pattern to match Architect sample]** <**insert description**>.

Vertical Edges: Matching HPDL Edge Band applied after faces over Structural Composite Lumber. [**Matching** **1/8 inch (3.2mm) high impact edge bonded to structural composite lumber.**] **[Hardwood for [paint] [stain] finish.]**

Horizontal Edges: Structural composite lumber. [**Hardwood.**] [**HPDL edge band (top rail only).**] [**Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom).**].

Core: [**Wood-based Particleboard (PC).**] [**Extra heavy duty wood-based particleboard (PC).**] [**Structural composite lumber (SCLC).**]

Construction: Five Plies; stiles and rails bonded to core, and entire unit is abrasive planed. High pressure decorative laminate with high density fiberboard (HDF) crossbands.

Thickness: 1-3/4 inch. [**1-3/8 inch (Structural composite lumber core and wood-based particleboard core only).**]

* + - * 1. Solid Core Choice Laminate (HPDL) Flush Doors with Glazed Lites <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other laminate finish flush wood doors.

Factory Glazing: Refer to Section 08 8000 "Glazing" for glass view panels in flush wood doors. Factory install glass **[as required] [in fire rated doors only]**. Fill glazing bead nail holes in factory finished doors.

Wood Glazing Accessories: Solid wood of same species as face veneer in standard profile selected by Architect.

Bead Profile: **[Straight Lip.] [Beveled Lip.] [Straight.] [Beveled.] [Straight with Reveal.] [Straight Lip-insulated glass.]**

Applied Grille: **[MD Kit Lip Bead.] [MD Kit Beveled Bead] [Classic Grille Straight Bead.] [Classic Grille Beveled Bead.]**

Metal Glazing Frames: Manufacturer's standard frame formed of 0.048-inch- (1.2-mm-) thick, cold-rolled steel sheet; **[factory primed for paint] [with baked-enamel- or powder-coated finish]**.

Specifier Note:

The 110 frames have 1-1/4” flanges. The 115-L1 frame is for two lites of glass with thermal spacer. Frames 115-L2 and 115-L3 have 1-1/2” flanges.

Frame Design: Metal Vision Frame **[110] [110 Veneer Wrapped] [115-L1] [115-L2] [115-L3].**

Specifier Note:

Tempered glass is manufacturer’s standard, but other glazing options are available.

* + - * 1. Solid Core Premium Painted Flush Doors with Louvers <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other standard veneer flush solid core wood doors.

Specifier Note:

Both metal louvers are chevron type; 600A1 has smaller blades with closer spacing.

Wood Louvers: [**Sight-proof**] [**Round slat**] [**Flat slat**].

Metal Louvers: [**600A1**] [**800A1]**; [**Factory primed for field painting.**] [**Paint finish in color selected by Architect from manufacturer’s standard colors.**] [**Paint finish to match Architect’s color sample.**]

* + - * 1. Fire-Rated Choice Laminate (HPDL) Flush Doors: <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other laminate finish flush wood doors.

Ratings: [**Category A positive pressure**] [**Category B positive pressure**].

20-Minute Doors: [**Wood-based particleboard core.**] [**Structural composite lumber core.**]

45-, 60-, 90-Minute Doors: Mineral core with blocking options.

Vertical Edges: [**High pressure decorative laminate over hardwood composite fire stile.**] [**Hardwood composite fire stile with transparent finish.**] [**Impact resistant edges.**]

* + - * 1. Fire-Rated Choice Laminate (HPDL) Flush Doors with Glazed Lites <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Factory Glazing: Refer to Section 08 8000 "Glazing" for glass view panels in flush wood doors. Factory install glass **[as required] [in fire rated doors only]**. Fill glazing bead nail holes in factory finished doors.

Glazing: Factory-installed fire-rated safety glass for door rating.

Specifier Note:

Applied Grille simulates the appearance of multiple lites when used with a single piece of glass.

Wood Glazing Accessories: Solid wood of same species as face veneer in standard profile selected by Architect.

Bead Profile: **[Straight Lip.] [Beveled Lip.] [Straight.] [Beveled.] [Straight with Reveal.] [Straight Lip-insulated glass.]**

Applied Grille: **[MD Kit Lip Bead.] [MD Kit Beveled Bead] [Classic Grille Straight Bead.] [Classic Grille Beveled Bead.]**

At wood-core doors with 20-minute fire-protection ratings, provide wood beads and metal glazing clips as required and approved for such use.

Veneer Wrap Bead for Light Openings in Fire-Rated Doors: Manufacturer's standard veneer wrap bead matching veneer specie of door face and approved for use in doors of fire-protection rating indicated. Include concealed metal glazing clips where required for opening size and fire-protection rating indicated.

Metal Glazing Frames: Manufacturer's standard frame formed of 0.048-inch- (1.2-mm-) thick, cold-rolled steel sheet; **[factory primed for paint] [with baked-enamel- or powder-coated finish]**; and approved for use in doors of fire-protection rating indicated.

Specifier Note:

The 110 frames have 1-1/4” flanges. The 115-L1 frame is for two lites of glass with thermal spacer. Frames 115-L2 and 115-L3 have 1-1/2” flanges.

Frame Design: Metal Vision Frame **[110] [110 Veneer Wrapped] [115-L1] [115-L2] [115-L3].**

Specifier Note:

Tempered glass is manufacturer’s standard, but other glazing options are available.

* + - * 1. Fire-Rated Select Wood Veneer Flush Doors with Louvers: <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Louvers for fire-rated Doors: Metal louvers with fusible link and closing device, listed and labeled for use in doors with fire-protection rating of 1-1/2 hours and less.

Metal and Finish: 18 gauge cold rolled steel, **[factory primed for paint] [with manufacturer's standard color baked-enamel- or powder-coated] [with custom color baked enamel or powder coated]** finish.

* + - 1. INTERIOR SOLID CORE ACRYLIC MODIFIED VINYL FACED DOORS - HIGH IMPACT
         1. Basis of Design: Aspiro™ Series | Marshfield-Algoma™ by Masonite Architectural.
         2. Solid Core High Impact Flush Doors <**insert drawing designation**>:

WDMA Quality grade: [**Custom.**] [**Premium.**]

WDMA Performance Level: Extra Heavy Duty.

Faces: Chemical-and stain-resistant, high-impact, acrylic modified vinyl faces. Color as selected by Architect from manufacturer’s full range of [**solid colors**] [**wood grain patterns**].

Wood Grain: Spectrim; [**Wenge**] [**Sienna Walnut**] [**Riva**] [**Pearwood**] [**Natural Cherry**] [**Natural Anigre**] [**Memento**] [**Maple**] [**Honduras Mahogany**] [**En Vogue Olive**] [**Driftwood**] [**Cosmo Plum**] [**Autumn Walnut**] [**Authentic Apple**] [**Amber Cherry**]**.** Kydex; [**Red Alder**] [**Rustic Cherry**] [**Riga Birch**] [**Honey Maple**] [**Fusion X**].

Solid Colors: Spectrim; [**Antique White**] Kydex;[**Chocolate Pear**].

Specifier Note:

SCLC does not require blocking for hardware as PC does and is the modern replacement for traditional staved lumber core (SLC) construction.

Vertical Edges: Matching 1/8 inch (3.2mm) high impact edge bonded to structural composite lumber. [**Hardwood**].

Horizontal Edges: Structural composite lumber. [**Hardwood.**] [**Clean edge-Bond smooth PVC edge band to structural composite lumber (top), (bottom), (top & bottom).**].

Core: [**Wood-based Particleboard (PC).**] [**Extra heavy duty wood-based particleboard (PC).**] [**Structural composite lumber (SCLC).**]

Construction: Standard construction.

Thickness: 1-3/4 inch.

* + - * 1. Solid Core High Impact Flush Doors with Glazed Lites <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other laminate finish flush wood doors.

Factory Glazing: Refer to Section 08 8000 "Glazing" for glass view panels in flush wood doors. Factory install glass **[as required] [in fire rated doors only]**. Fill glazing bead nail holes in factory finished doors.

Wood Glazing Accessories: Solid wood of same species as face veneer in standard profile selected by Architect.

Bead Profile: **[Straight Lip.] [Beveled Lip.] [Straight.] [Beveled.] [Straight with Reveal.] [Straight Lip-insulated glass.]**

Applied Grille: **[MD Kit Lip Bead.] [MD Kit Beveled Bead] [Classic Grille Straight Bead.] [Classic Grille Beveled Bead.]**

Metal Glazing Frames: Manufacturer's standard frame formed of 0.048-inch- (1.2-mm-) thick, cold-rolled steel sheet; **[factory primed for paint] [with baked-enamel- or powder-coated finish]**.

Specifier Note:

The 110 frames have 1-1/4” flanges. The 115-L1 frame is for two lites of glass with thermal spacer. Frames 115-L2 and 115-L3 have 1-1/2” flanges.

Frame Design: Metal Vision Frame **[110] [110 Veneer Wrapped] [115-L1] [115-L2] [115-L3].**

Specifier Note:

Tempered glass is manufacturer’s standard, but other glazing options are available.

* + - * 1. Solid Core High Impact Flush Doors with Louvers <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of other standard veneer flush solid core wood doors.

Specifier Note:

Both metal louvers are chevron type; 600A1 has smaller blades with closer spacing.

Wood Louvers: [**Sight-proof**] [**Round slat**] [**Flat slat**].

Metal Louvers: [**600A1**] [**800A1]**; [**Factory primed for field painting.**] [**Paint finish in color selected by Architect from manufacturer’s standard colors.**] [**Paint finish to match Architect’s color sample.**]

* + - * 1. Fire-Rated High Impact Flush Doors with Glazed Lites <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Factory Glazing: Refer to Section 08 8000 "Glazing" for glass view panels in flush wood doors. Factory install glass **[as required] [in fire rated doors only]**. Fill glazing bead nail holes in factory finished doors.

Glazing: Factory-installed fire-rated safety glass for door rating.

Specifier Note:

Applied Grille simulates the appearance of multiple lites when used with a single piece of glass.

Wood Glazing Accessories: Solid wood of same species as face veneer in standard profile selected by Architect.

Bead Profile: **[Straight Lip.] [Beveled Lip.] [Straight.] [Beveled.] [Straight with Reveal.] [Straight Lip-insulated glass.]**

Applied Grille: **[MD Kit Lip Bead.] [MD Kit Beveled Bead] [Classic Grille Straight Bead.] [Classic Grille Beveled Bead.]**

At wood-core doors with 20-minute fire-protection ratings, provide wood beads and metal glazing clips as required and approved for such use.

Veneer Wrap Bead for Light Openings in Fire-Rated Doors: Manufacturer's standard veneer wrap bead matching veneer specie of door face and approved for use in doors of fire-protection rating indicated. Include concealed metal glazing clips where required for opening size and fire-protection rating indicated.

Metal Glazing Frames: Manufacturer's standard frame formed of 0.048-inch- (1.2-mm-) thick, cold-rolled steel sheet; **[factory primed for paint] [with baked-enamel- or powder-coated finish]**; and approved for use in doors of fire-protection rating indicated.

Specifier Note:

The 110 frames have 1-1/4” flanges. The 115-L1 frame is for two lites of glass with thermal spacer. Frames 115-L2 and 115-L3 have 1-1/2” flanges.

Frame Design: Metal Vision Frame **[110] [110 Veneer Wrapped] [115-L1] [115-L2] [115-L3].**

Specifier Note:

Tempered glass is manufacturer’s standard, but other glazing options are available.

* + - * 1. Fire-Rated High Impact Flush Doors Flush Doors with Louvers: <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of non-rated transparent finish flush wood doors.

Louvers for fire-rated Doors: Metal louvers with fusible link and closing device, listed and labeled for use in doors with fire-protection rating of 1-1/2 hours and less.

Metal and Finish: 18 gauge cold rolled steel, **[factory primed for paint] [with manufacturer's standard color baked-enamel- or powder-coated] [with custom color baked enamel or powder coated]** finish.

* + - 1. specialty DOORS
         1. Integrated Functional Surface Doors: <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of [**transparent finish**] [**opaque finish**] [**laminate finish**] flush wood doors.

Functional Surfaces: Recessed so that functional surface is flush with door face; [**tack able bulletin board in standard color selected by Architect.**] [**White dry erase marker board.**] [**White magnet/dry erase marker board.**] [**Tempered glass mirror.**]

Size: Standard size selected by Architect.

* + - 1. RADIATION SHIELDED INTERIOR FLUSH WOOD DOORS
         1. Radiation Shielded Interior Wood Doors <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of [**transparent finish**] [**opaque finish**] [**laminate finish**] flush wood doors.

Lead Thickness: [**1/16 inch (1.6 mm)**] [**1/8 inch (3.2 mm)**] [**See door schedule on Drawings**].

Astragals: Wood/lead astragals on radiation shielded pairs in lead thickness indicated. Finish astragals to match face [**veneer**] [**laminate**].

* + - 1. ACOUSTIC (STC) RATED INTERIOR FLUSH WOOD DOORS
         1. Acoustic Rated Interior Flush Wood Doors <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of [**transparent finish**] [**opaque finish**] [**laminate finish**] flush wood doors.

STC Ratings: Certified by manufacturer on basis of testing per ASTM E90 and E413. Rating requirements are stated in the door schedule on the Drawings.

Provide gasketing and [**door shoe**] [**mortise door bottom**] as required to meet manufacturers tested acoustic rating.

* + - 1. BALLISTIC RATED INTERIOR FLUSH WOOD DOORS
         1. Ballistic Rated Interior Wood Doors <**insert drawing designation**>:

Match appearance grade and applicable construction and performance requirements of flush wood doors.

UL Ratings: As stated in the door schedule on the Drawings.

* + - 1. STILE AND RAIL WOOD DOORS
         1. Basis of Design: Aspiro™ Series | Marshfield-Algoma™ by Masonite Architectural – Authentic Stile and Rail.

Copy next paragraph if more than one type of interior stile and rail wood door is required. For example, some projects may have glazed panels for conference rooms and louver panels for toilet compartments.

* + - * 1. Interior Stile and Rail Doors with Transparent Finish <**insert drawing designation**>:

WDMA Quality grade: [**Custom.**] [**Premium.**]

WDMA Performance Level: [**Extra Heavy Duty.**] [**Heavy Duty.**]

Panel Type: [**Single glass panel.**] [**Multiple glass panels.**] [**Wood panels.**] [**Combination glass and wood panels.**] [**Wood louvers.**] [**As indicated in door elevations on Drawings.**]

Specifier Note:

See WDMA I.S. 6A or manufacturer’s catalog for various standard arrangements, or show arrangement in door elevations on drawings.

Panel Arrangement: [**As indicated in door elevations on Drawings**] <**insert description**>.

Stiles and Rails: Veneer on structural composite lumber.

Veneer:

Specifier Note:

Following species list are examples.

Species: [**African mahogany**] [**Anegre**] [**White Birch**] [**Cherry**] [**White Maple**] [**Red Oak**] [**White Oak**] [**Sapele**] [**Walnut**] <**Insert species**>.

Specifier Note:

Rift cut applies only to oak veneers.

Cut: [**Rotary cut**] [**Plain sliced (flat cut)**] [**Quarter sliced**] [**Rift cut**].

Grade: [**AA.**] [**A.**]

Matching: [**Book**] [**Slip**] [**Random**].

Assembly: [**Running**] [**Balance**] [**Center balance**].

Glazed Panels:

Glazing Moldings: Same species as face veneer in standard profile selected by Architect.

Mullions: Same species as face veneer in standard profile selected by Architect.

Glass: [**Fully tempered 6 mm clear glass**] [**Laminated glass comprised of two layers of 3 mm clear glass and clear, colorless interlayer**].

Wood Panels:

Design: [**Raised panels in standard profile selected by Architect.**] [**Flat panels.**]

Panel Moldings: Same species as face veneer in standard profile selected by Architect.

Louvers: Solid wood in same species as door face; [**slat design**] [**chevron design**].

* + - * 1. Interior Stile and Rail Doors with Opaque Finish <**insert drawing designation**>:

WDMA Quality grade: [**Custom.**] [**Premium.**]

WDMA Performance Level: [**Extra Heavy Duty.**] [**Heavy Duty.**]

Panel Type: [**Single glass panel.**] [**Multiple glass panels.**] [**Wood panels.**] [**Combination glass and wood panels.**] [**Wood louvers.**] [**As indicated in door elevations on Drawings.**]

Specifier Note:

See WDMA I.S. 6A or manufacturer’s catalog for various standard arrangements, or show arrangement in door elevations on drawings.

Panel Arrangement: [**See door schedule on Drawings**] <**insert description**>.

Stiles and Rails: [**Medium density overlay (MDO)**] [**Paint grade hardwood veneer**] on structural composite lumber.

Glazed Panels:

Glazing Moldings: Same species as face veneer in standard profile selected by Architect.

Mullions: Same species as face veneer in standard profile selected by Architect.

Glass: [**Fully tempered 6 mm clear glass**] [**Laminated glass of two layers of 3 mm clear glass with clear, colorless interlayer**].

Wood Panels:

Design: [**Raised panels in standard profile selected by Architect.**] [**Flat panels.**]

Panel Moldings: Same species as face veneer in standard profile selected by Architect.

Louvers: Paint grade hardwood; [**slat design**] [**chevron design**].

Finish: Factory-applied primer [**and finish paint**].

* + - * 1. Interior Fire-Rated Stile and Rail Wood Doors <**insert drawing designation**>:

WDMA Quality Grade: [**Custom.**] [**Premium.**]

WDMA Performance Level: [**Extra Heavy Duty.**] [**Heavy Duty.**]

Match appearance characteristics of non-rated stile and rail doors.

Ratings: [**Category A positive pressure**] [**Category B positive pressure**].

20-Minute Doors: Structural composite lumber core.

Glazing Frame: [**Solid wood of same species as face veneer.**] [**Metal with factory-applied baked enamel or powder-coat finish.**]

Color: [**Standard color selected by Architect.**] [**Match Architect’s sample.**]

Glazing: Fire-rated safety glass conforming to Section 08 8000.

* + - * 1. Exterior Stile and Rail Doors with Transparent Finish <**insert drawing designation**>:

WDMA Quality Grade: [**Custom.**] [**Premium.**]

WDMA Performance Level: [**Extra Heavy Duty.**] [**Heavy Duty.**]

Panel Type: [**Single glass panel.**] [**Multiple glass panels.**] [**Wood panels.**] [**Combination glass and wood panels.**] [**As indicated in door elevations on Drawings.**]

Panel Type: [**Single glass panel.**] [**Multiple glass panels.**] [**Wood panels.**] [**Combination glass and wood panels.**] [**Wood louvers.**] [**As indicated in door elevations on Drawings.**]

Specifier Note:

See WDMA I.S. 6A or manufacturer’s catalog for various standard arrangements, or show arrangement in door elevations on drawings.

Panel Arrangement: [**As indicated in door elevations on Drawings**] <**insert description**>.

Exposed Faces:

Species: [**African Mahogany**] [**Anegre**] [**White Birch**] [**Cherry**] [**White Maple**] [**Red Oak**] [**White Oak**] [**Sapele**] [**Walnut**] <**insert wood species**>.

Specifier Note:

Rift cut is only available in red and white oak.

Cut: [**Flat cut.**] [**Quarter cut.**] [**Rift cut.**]

Stiles and Rails: [**Clear lumber; top and bottom rails may be edge glued to achieve required width.**] [**Veneer on structural composite lumber core (SCLC)**].

Glazed Panels:

Glazing Moldings: Same species as face veneer in standard profile selected by Architect.

Glass: [**Tempered 6 mm clear glass**] [**Laminated glass of two layers of 3 mm clear glass**]. [**Tempered insulating glass conforming to Section 08 8000.**]

Wood Panels:

Design: [**Raised panels in standard profile selected by Architect.**] [**Flat panels.**]

Panel Moldings: Same species as face veneer in standard profile selected by Architect.

* + - * 1. Sidelites: Match appearance of adjacent door.
      1. DOOR CORE MATERIALS
         1. Particleboard: Wood-based particleboard; ANSI A208.4, Grade LD-2 as required to meet WDMA Performance Duty level specified without added blocking..
         2. Structural Composite Lumber: WDMA T.M.10.
      2. TRANSPARENT FINISH WOOD DOOR FRAMES
         1. Material: [**Solid lumber that matches species of door veneer.**] [**Door face veneer applied to structural composite lumber.**]

Specifier Note:

Standard frames are available in custom widths to match wall construction. Custom frames have additional dimension options.

* + - * 1. Frame Profile: [**Standard double rabbet.**] [**Custom double rabbet.**]

Specifier Note:

Wood frames can be supplied without casing trim.

* + - * 1. Trim: [**Solid lumber that matches species of door veneer.**] [**Door face veneer applied to lumber or medium density fiberboard.**]
        2. Trim Stile: [**Colonial Casing.**] [**Contemporary Casing.**] [**Sleek Casing.**] [**Traditional Casing.**]

Specifier Note:

Wood frames are available in 20, 45, 60, and 90 minute ratings.

* + - * 1. Fire Rating: Match rating of door.
      1. PAINT FINISH WOOD DOOR FRAMES
         1. Material: Paint grade hardwood.

Specifier Note:

Standard frames are available in custom widths to match wall construction. Custom frames have additional dimension options.

* + - * 1. Frame Profile: [**Standard double rabbet.**] [**Custom double rabbet.**]

Specifier Note:

Wood frames can be supplied without casing trim.

* + - * 1. Trim: Paint grade [**softwood**] [**or**] [**medium density fiberboard**].
        2. Trim Stile: [**Colonial Casing.**] [**Contemporary Casing.**] [**Sleek Casing.**] [**Traditional Casing.**]

Specifier Note:

Wood frames are available in 20, 45, 60, and 90 minute ratings.

* + - * 1. Fire Rating: Match rating of door.
      1. FABRICATION
         1. Door Pairs [**and Fixed Side Panels**]:

Specifier Note:

First two options are for AA veneer, the second is for installations where there is more than one pair. Running match is the most common assembly method for A grade veneer.

Veneer Matching: [**Pair match.**] [**Set match.**] [**Running match.**]

Continuous match means the veneer extends from floor to top of the transom. End match transoms have mirror match at top of door.

* + - * 1. Transoms and Side Panels: Same construction as adjacent doors.

Transom Veneer: [**Continuous match.**] [**End match.**]

* + - * 1. Flush Dutch Doors:

Match appearance grade and applicable construction and performance requirements of [**transparent finish**] [**opaque finish**] [**laminate finish**] flush wood doors.

Shelf: [**Not required.**] [**8 inches (200 mm) wide.**] [**10 inches (250 mm) wide.**] [**12 inches (300 mm) wide.**]

* + - * 1. Factory Fitting: Fit to frame openings with clearances specified in WDMA I.S. 1A.

Undercut: Maximum 3/8 inch (10 mm) above thresholds.

Fire-Rated Doors: Comply with NFPA 80.

* + - * 1. Factory Machining: Machine doors for hardware that is not surface applied.

Verify dimensions for hardware mortises in metal frames before machining.

* + - * 1. Openings:

Cut and trim openings [**and install glazing**] at factory.

Cut openings and install louvers at factory.

* + - * 1. Exterior Doors:

Treat with water-repellent preservative per WDMA I.S.4.

Flash tops of outswinging doors with stainless steel.

* + - * 1. Contractor Option: Doors supplied with wood frames may have hardware installed at factory.
        2. Door Frames:

Supply frames with temporary spreader bars at base.

Where indicated provide matching [**sidelite**] [**and**] [**transom**] frames with rectangular wood beads for glazing.

* + - 1. FINISHES
         1. Finish Grade: Match grade of door.
         2. Transparent: WDMA TR-8, UV-Cured Acrylated Polyester/Urethane.

Staining: [**Bourbon.**] [**Cane.**] [**Caramel.**] [**Cinnamon.**] [**Clear.**] [**Cocoa Bean.**] [**Expresso.**] [**Honey.**] [**Nutmeg.**] [**Rolled Oats.**] [**Saffron.**] [**Stout.**] [**Toast.**] [**Standard color selected by Architect.**] [**Match Architect’s sample.**] [**None.**]

Sheen: Satin.

* + - * 1. Factory-Primed: Primer suitable for finish paint specified in Section 099123 – Interior Painting.

Specifier Note:

Factory finish painting is available only for interior doors.

* + - * 1. Factory-Painted: WDMA I.S. 1-A System OP-8, UV-Cured Acrylated Polyester/Urethane.

Color: [**Bone Gray.**] [**Cobblestone.**] [**Dark Mocha.**] [**Pewter.**] [**Platinum White.**] [**Vanilla.**] [**Winter White.**] [**As selected by Architect from manufacturer’s standard line.**] [**Match Architects’ paint sample.**]

Sheen: Satin.

1. EXECUTION
   * + 1. EXAMINATION
          1. Verify that door frames are plumb, square, and accurate size.
          2. Inspect each door before installation for damage and defects per WDMA Section F-6.
       2. INSTALLATION
          1. Hardware installation is conforming to Section 08 7100 – Door Hardware.
          2. Reference Standards:

Specifier Note:

I.S. 1A is for flush doors, 6A for stile and rail doors.

Wood Doors: [**WDMA I.S. 1A**] [**and**] [**WDMA I.S. 6A**].

Fire-Rated Doors: NFPA 80.

Smoke-and Draft-Control Doors: NFPA 105.

* + - * 1. Align doors with uniform vertical and top edge clearance.
      1. REPAIR
         1. Repair of damage or defects is subject to Architect’s acceptance, including removal of soiling. Provide new replacement doors for doors that cannot be satisfactorily repaired.
      2. PROTECTING AND CLEANING
         1. Protect installed doors from damage and soiling.
         2. Clean doors shortly before inspection for Substantial Completion.

**END OF SECTION**