Specifier Note:

This section covers the Cendura™ Series | Mohawk by Forte Opening Solutions. This Commercial Wood Door series is the very best of our legacy brand Mohawk, and offers a collection of interior wood doors that include; standard domestic wood veneer for transparent finish. MDF simulated stile and rail, Tempered Hardboard, Paint Grade Birch, Molded Panel and West End for standard paint, and Everyday Laminates – HPDL and LPDL.

The Interior Doors include a Limited Lifetime Warranty.

This section combines hollow core and solid core wood doors in a single section for convenience of the specifier.

Consult Forte Opening Solutions for assistance in editing this section for the specific application.

Visit [www.forteopenings.com](http://www.masonitearchitectural.com) to locate a Territory Sales Manager in your region.

This section uses styles and automatic paragraph numbering compatible with those used in ARCOM MasterSpec® for ease of reformatting to user’s preferences.

Square brackets [ ] indicate editing options. Angle brackets < > indicate where user text is to be inserted.

SECTION 08 1407 – COMMERCIAL WOOD DOORS

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

Interior standard wood veneer flush wood doors.

Interior painted flush wood doors.

Interior laminate-faced wood doors.

Interior simulated stile and rail wood doors.

Interior molded face wood doors.

Matching wood frames.

* + - * 1. Related Requirements:

Section **<insert section number>**: Hollow metal frames for wood doors.

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

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

Section **<Insert Section Number**>: **<Insert brief content note>**.

* + - 1. 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 preparation.

Glazed openings.

Louvers.

* + - * 1. Samples for Selection:

Available standard **[HPDL] [and] [LPDL]** color and pattern options.

Available standard **[stain] [and] [paint]** colors and gloss options.

Available standard molding profiles for glazed openings.

Available standard casing profiles for wood door frames.

* + - * 1. Samples for Verification:

Transparent Finish Doors: Each required veneer species and factory finish; minimum 8 by 10 inches [200 by 250 mm] **<insert size>** corner unit showing construction and finish.

Painted Finish Doors: Each required factory finish except for painted doors; minimum 8 by 10 inches [200 by 250 mm] **<insert size>**corner unit showing construction and finish.

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:

Subparagraphs below apply to LEED v4.

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

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

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

Environmental Product Declaration (EPD) per Product Category Rule for Preparing an Environmental Product Declaration for Interior Architectural Wood Door Leaves.

Product-specific, Type III third party verification by SCS Global Services or other program operator per ISO 14025.

* + - 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.
				2. [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 apartment or 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 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. Standard manufacturer warranties.

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.

Solid Core Doors: Limited lifetime warranty.

Hollow Core Doors: Limited one year.

1. PRODUCTS
	* + 1. MANUFACTURERS
				1. Basis of Design: Products of Cendura™ Series | Mohawk by Forte Opening Solutions are specified to indicate requirements for quality and appearance.

Website: forteopenings.com

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 STANDARD
				1. Interior Wood Doors: Window & Door Manufacturers Association publication ANSI/WDMA I.S. 1A “Industry Standard for Interior Architectural Wood Flush Doors”.
				2. 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 specified in 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. Choose one of the subparagraphs or leave as manufacturer option.

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:

Coordinate following with door hardware specification. Cendura™ Series doors are available with acoustical rating up to STC 38, depending on construction. If STC ratings are listed in the door schedule, delete this paragraph.

* + - * 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.
				2. [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."
				3. [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 STANDARD VENEER FLUSH WOOD DOORS FOR TRANSPARENT FINISH
				1. Basis of Design: Cendura™ Series | Mohawk by Forte Opening Solutions

Specifier Note:

These doors are available in a limited number of domestic wood veneers. For wider range of veneers, including custom veneers, use Section 08 1405 Architectural Wood Doors to specify Aspiro™ Series doors by Forte Opening Solutions.

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

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

WDMA Quality Standard: Custom.

Specifier Note:

This construction meets Extra-Heavy Duty face screw pull values when surface mounted hardware is attached with through-bolts.

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

Faces:

Specifier Note:

Cendura™ Series has only Grade A veneers.

Veneer Grade: A.

Veneer Species: **[Natural Birch] [White Birch] [White Oak] [Red Oak] [White Maple] [Natural Maple]**.

Specifier Note:

Rift cut is available only for oak veneer.

Veneer Cut: **[Rotary]** **[Plain sliced.] [Rift cut.]**

Specifier Note:

Slip match is available only for rift-cut oak veneers.

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

Veneer Face Match: Running match.

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

Vertical Edges: Mill option softwood or low-density hardwood.

Horizontal Edges: Structural composite lumber.

Core: **[Wood-based particleboard.] [Extra heavy duty wood-based particleboard.] [Structural composite lumber.]**

Construction: Five plies. Stiles and rails are bonded to core, and then entire unit is abrasive planed before veneering.

Specifier Note:

1-3/8” Solid-core Doors only available with Heavy duty particleboard core.

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

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

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

Rating: **[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 particleboard core.] [Mineral core.]**

60-, 90-Minute Doors: Mineral core.

Vertical Edges:

20-Minute Doors: Mill option softwood or low-density hardwood.

45-Minute Fire Resistant Particleboard Core Doors: Veneer edge-band over fire stile.

45-, 60-, 90-Minute Mineral Core Doors: Hardwood composite fire stile.

Horizontal Edges:

20-Minute Doors: Structural composite lumber.

45-, 60-, 90-Minute Doors: Manufactures standard construction per label service listing.

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

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

Factory Glazing: Refer to Section 088000 "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.

Wood Glazing Accessories: Solid wood of same species as face veneer.

Bead Profiles: **[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 2 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].**

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

Match appearance grade and applicable construction and performance requirements of 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 hOLLOW CORE STANDARD VENEER and standard painted FLUSH WOOD DOORS
				1. Basis of Design: Cendura™ Series | Mohawk by Forte Opening Solutions.

Specifier Note:

Hollow core doors are not available with lites or louvers.

* + - * 1. Hollow Core Flush Wood Veneer and Tempered Hardboard Doors <**insert drawing designation>**:

WDMA Quality Standard: Custom.

WDMA Performance Level: N/A

Faces: Standard Wood Veneer

Veneer Grade: A.

Veneer Species: **[Natural Birch] [White Birch] [White Oak] [Red Oak] [White Maple] [Natural Maple]**.

Specifier Note:

Rift cut is available only for oak veneers.

Veneer Cut: **[Rotary]** **[Plain sliced.] [Rift cut.]**

Specifier Note:

Slip match is available only for rift-cut oak veneers.

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

Veneer Face Match: Running match.

Faces: Standard Painted

Tempered Hardboard

Vertical Edges: Full length softwood for stain, Finger joint softwood for paint.

Horizontal Edges: Softwood.

Core: Kraft paper honeycomb with lumber lock blocks.

Construction: Hollow core with High Density Fiberboard (HDF) crossbands.

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

* + - 1. interior SOLID CORE standard painted flush wood doors
				1. Basis of Design: Cendura™ Series | Mohawk by Forte Opening Solutions.
				2. Solid Core Standard Painted Flush Doors <**insert drawing designation>**:

WDMA Quality Standard: Custom.

Specifier Note:

This construction meets Extra-Heavy Duty face screw pull values when surface mounted hardware is attached with through-bolts.

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

Faces: **[Tempered hardboard.] [Paint grade birch.]**

Vertical Edges: Finger-Jointed Softwood/Mill Option low density hardwood.

Horizontal Edges: Structural Composite Lumber

Core: **[Wood based particleboard.] [Extra heavy duty wood-based particleboard.] [Structural composite lumber.]**

Construction: Five plies. Stiles and rails are bonded to core, and then entire unit is abrasive planed before veneering.

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

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

Match appearance grade and applicable construction and performance requirements of other paint finish 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 Standard Painted Flush Doors with Louvers <**insert drawing designation>**:

Match appearance grade and applicable construction and performance requirements of other paint finish 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 manufacture’s standard colors] [Paint finish to match Architect’s color sample]**.

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

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

Rating: **[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 particleboard core.] [Mineral core.]**

60-, 90-Minute Doors: Mineral core.

Vertical Edges:

20-Minute Doors: Mill option softwood or low-density hardwood.

45-Minute Fire Resistant Particleboard Core Doors: Veneer edge-band over fire stile.

45-, 60-, 90-Minute Mineral Core Doors: Hardwood composite fire stile.

Horizontal Edges:

20-Minute Doors: Structural composite lumber.

45-, 60-, 90-Minute Doors: Manufactures standard construction per label service listing.

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

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

Factory Glazing: Refer to Section 088000 "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.

Wood Glazing Accessories: Solid wood of same species as face veneer.

Bead Profiles: **[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 2 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].**

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

Match appearance grade and applicable construction and performance requirements of other paint 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 everyday laminate-faced (hpdl) DOORS
				1. Basis of Design: Cendura™ Series | Mohawk by Forte Opening Solutions.
				2. Solid Core Everyday Laminate Flush Doors <**insert drawing designation>**:

WDMA Quality Standard: Standard construction.

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

Vertical Edges: **[HPDL Edge Band applied after faces over Structural Composite Lumber] [Hardwood for [paint] [stain] finish.]**

Horizontal Edges: Structural Composite Lumber

Specifier Note:

SCLC only available for full lite doors.

Core: **[Wood-based particleboard.] [Extra heavy duty wood-based particleboard.] [Structural composite lumber.]**

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

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

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

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

Specifier Note:

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

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 Standard Veneer Flush Wood 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 Everyday Laminate Solid-Core Flush Doors <**insert drawing designation>**:

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

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

Core:

Specifier Note:

SCLC only available for full lite doors.

20-Minute Doors: **[Wood-based particleboard.] [Extra heavy duty wood-based particleboard.]**

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

60-, 90-Minute Doors: Mineral core.

Vertical Edges:

20-Minute Doors: **[HPDL edge band applied after faces over structural composite lumber.] [Hardwood for [paint] [stain] finish.]**.

45-Minute Fire Resistant Particleboard Core Doors: HPDL edge band applied after faces over HDF fire stile.

45-, 60-, 90-Minute Mineral Core Doors: Hardwood composite fire stile.

Horizontal Edges:

20-Minute Doors: Structural Composite Lumber.

45-, 60-, 90-Minute Fire-rated Doors: Manufactures standard construction.

* + - * 1. Fire-Rated Everyday Laminate Solid-Core with Glazed Lites <**insert drawing designation>**:

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

Factory Glazing: Refer to Section 088000 "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.

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. Fire-Rated Everyday Laminate Solid-Core 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. INTERIOR solid core everyday laminate-faced (Lpdl) DOORS
				1. Basis of Design: Cendura™ Series | Mohawk by Forte Opening Solutions.

Specifier Note:

LPDL doors are only available as non-rated.

* + - * 1. Solid Core Everyday Low Pressure Decorative Laminate Flush Doors <**insert drawing designation>**:

WDMA Quality Standard: Standard construction.

Specifier Note:

This construction meets Extra-Heavy Duty face screw pull values when surface mounted hardware is attached with through-bolts.

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

Faces: Low Pressure Decorative Laminate complying with LMA (Laminating Materials Association) document LMA, latest edition, Product Standard and Typical Physical Properties of Decorative Overlays.

Colors, Patterns: Color and pattern selected by Architect from manufacturer’s standards.

Vertical Edges: 0.024-inch PVC edge band over structural composite lumber.

Horizontal Edges: Structural Composite Lumber

Core: Wood-based particleboard.

Construction: Five plies. Stiles and rails are bonded to core, then entire unit is abrasive planed before faces and (HDF) crossbands are applied.

Thickness: 1-3/4 inch.

* + - * 1. Solid Core Everyday Low Pressure Decorative Laminate Flush Doors with Glazed Lites <**insert drawing designation>**:

Match appearance grade and applicable construction and performance requirements of other laminate 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. INTERIOR Medium Density FIBERBOARD simulated stile and rail wood doors

Specifier Note:

These doors are solid MDF with faces routed to provide ~~s~~imulated stile and rail appearance in various standard designs. They are available factory-painted in standard colors or primed for field painting.

* + - * 1. Basis of Design: Cendura™ Series | Mohawk by Forte Opening Solutions – Simulated Stile and Rail Doors.
				2. MDF Simulated Stile and Rail Doors **<insert drawing designation>**:

Specifier Note:

WDMA Quality Standard and Performance Rating are not applicable to this type of door.

Vertical Edges: Medium density fiberboard.

Horizontal Edges: Medium density fiberboard.

Core: Medium density fiberboard.

Construction: Solid panel medium density fiberboard (MDF).

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

* + - * 1. MDF Simulated Stile and Rail Doors with Glazed Lites **<insert drawing designation>**.

Match appearance grade and applicable construction and performance requirements of other MDF simulated stile and rail 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 tempered safety glass conforming to Section 08 8000.

Specifier Note:

S4S option is for rectangular profile. True Divided Lite is for multiple lites. Applied Grille simulates the appearance of multiple lites when used with a single piece of glass.

Glazing Beads: Medium density fiberboard; **[Qtr Round profile] [S4S profile] [True Divided Lite profile and muntins] [Applied Grille]**.

Metal Frame: Standard metal vision frame; factory-applied **[primer] [finish paint in color selected by Architect from manufacturer’s standard colors]**.

Specifier Note:

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

* + - * 1. MDF Simulated Stile and Rail Doors with Louvers **<insert drawing designation>**.

Match appearance grade and applicable construction and performance requirements of other MDF simulated stile and rail doors.

Specifier Note:

False Louver is MDF panel molded on both sides to simulate slat louvers. Half False Louver is molded on only one side. Vented Louvers are true slat design louvers. Chevron Louvers are sight-proof inverted-V louvers.

Design: **[False Louver.] [Half False Louver.] [Vented Louver.] [Chevron Louver.]**

* + - * 1. Fire Rated MDF Simulated Stile and Rail Doors **<insert drawing designation>**.

Match appearance grade and applicable construction and performance requirements of other MDF simulated stile and rail doors.

Rating: **[Category A positive pressure.] [Neutral Pressure.]**

20-Minute Doors: MDF.

45-, 60-, 90-Minute Doors: Multi-layer composite.

Vertical Edges:

20-Minute Doors: MDF.

45-, 60-, 90-Minute Doors: Hardwood composite fire stile.

* + - * 1. Fire Rated MDF Simulated Stile and Rail Doors with Glazed Lites**<insert drawing designation>**.

Match appearance grade and applicable construction and performance requirements of other MDF simulated stile and rail doors.

Rating: **[Category A positive pressure.] [Neutral pressure.]**

20-Minute Doors: Solid MDF.

45-, 60-, 90-Minute Doors: Multi-layer composite.

Vertical Edges:

20-Minute Doors: MDF.

45-, 60-, 90-Minute Doors: Hardwood Composite Fire Stile.

Horizontal Edges:

20-Minute Doors: MDF.

45-, 60-, 90-Minute Doors: Hardwood Composite Fire Rail.

Specifier Note:

Standard rated glass for 20-minute doors is 1/4 inch Pyroswiss glass; for higher ratings it is 3/16 inch Keralite FR-F.

Glazed Lites:

20-Minute Doors: Maple Vision Frame 7 with factory-installed rated safety glass.

45-, 60-, 90-Minute Doors: Formed steel frame with [**primer for field painting**] [**baked enamel or powder coat finish in color selected by Architect from manufacturer’s standard colors]** **[enamel or powder coat finish in color to match Architect’s sample]** and factory-installed rated safety glass.

* + - 1. INTERIOR molded panel AND WEST END WOOD DOORS

Specifier Note:

Molded Panel doors include hollow core and bifold (2-panel & 6-panel design). West End doors includes; hollow core and bifold (Hamel design only)

Vision panels or louvers are not available.

* + - * 1. Basis of Design: Cendura™ Series | Mohawk by Forte Opening Solutions~~.~~
				2. Molded Panel Doors and West End <**insert drawing designation>**:

WDMA Quality Standard: Standard Construction.

Specifier Note:

WDMA Performance Level is only available on doors with solid core.

WDMA Performance Level: Heavy Duty. Note: This construction meets Extra Heavy Duty face screw pull values when surface mounted hardware is attached with through-bolts Heavy Duty.

Core Construction: **[Hollow core - Kraft paper honeycomb with 2 lock blocks.] [Wood-based particleboard]** with **[bonded] [non-bonded]** faces.

Style: **[Standard style selected by Architect] [See door elevation types on Drawings]** **<insert basis of design style designation>**.

Faces: Molded medium density fiberboard.

Molded Panel Design: **[2-panel] [6-panel]**.

West End Design: **[Hamel] [Berkley] [Melrose]**.

Vertical Edges: Finger-jointed softwood.

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

Finish: Factory-applied **[primer for field painting] [paint in color selected by Architect from manufacturer’s standard colors] [paint in color to match Architect’s sample]**.

* + - * 1. Fire Rated Molded Panel and West End Doors **<insert drawing designation>**.

Match appearance grade and applicable construction and performance requirements of other molded panel doors.

Rating: **[Category A positive pressure.] [Category B positive pressure.] [Neutral pressure.]; [20-minute.] [45-minute.] [60-minute.].**

20-Minute Doors: Wood-based particleboard.

45-, 60-Minute Doors: Mineral core.

Vertical Edges:

20-Minute Doors: Finger Jointed softwood.

45-, 60-Minute Doors: Hardwood composite fire stile.

Horizontal Edges:

20-Minute Doors: Structural composite lumber.

45-, 60-Minute Doors: Manufactures standard.

* + - 1. TRANSPARENT FINISH WOOD DOOR FRAMES
				1. Material: Solid lumber that matches species of door veneer.

Specifier Note:

Standard frames are available in custom widths to match wall construction. Custom frames have additional dimension options. The T-Stop option is a double rabbet frame with applied stop.

* + - * 1. Frame Profile: **[Standard double rabbet.] [Custom double rabbet.] [Standard single rabbet.] [Custom single rabbet.] [T-Stop Jamb.]**

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 mill option lumber or medium density fiberboard.]**
				2. Trim Stile: **[Colonial Casing.] [Contemporary Casing.] [Sleek Casing.] [Traditional Casing.]**
				3. Finish: Match door finish.

Specifier Note:

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

* + - * 1. Fire Rating: Match door rating.
			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. The T-Stop option is a double rabbet frame with applied stop.

* + - * 1. Frame Profile: **[Standard double rabbet.] [Custom double rabbet.] [Standard single rabbet.] [Custom single rabbet.] [T-Stop Jamb.]**

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.]**
				3. Finish: Factory-applied **[primer for field painting] [paint in color selected by Architect from manufacturer’s standard colors]**.

Specifier Note:

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

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

Veneer Matching: Pair match.

* + - * 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. 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.
1. 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.]**
2. Sheen: Satin.
	* + - 1. Factory-Primed: Primer suitable for finish paint specified in Section 099123 – Interior Painting.
				2. Factory-Painted: WDMA I.S. 1-A System OP-8, UV-Cured Acrylated Polyester/Urethane.
3. 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.]**
4. Sheen: Satin.
5. 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 specified in 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.
				2. 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