#### Part 1 General

# Section Includes

## Ultimate Wood Commercial Door and Frame, complete with hardware, glazing, weather strip, simulated divided lite, grilles-between-the-glass, stationary sidelite, stationary transom, jamb extension, and standard or specified anchors, trim, and attachments.

# Construction Specification Institute (CSI) MasterFormat Numbers and Titles

## Section 01 33 00 – Submittal Procedures: Shop Drawings, Product Data, and Samples

## Section 01 62 00 – Product Options

## Section 01 63 00 – Product Substitution Procedures

## Section 01 65 00 – Product Delivery

## Section 01 66 00 – Product Storage and Handling Requirements

## Section 01 71 00 – Examination and Preparation

## Section 01 73 00 - Execution

## Section 01 74 00 – Cleaning and Waste Management

## Section 01 75 00 – Starting and Adjusting

## Section 01 76 00 – Protecting Installed Construction

## Section 06 22 00 – Millwork: Wood trim other than furnished by door and frame manufacturer

## Section 07 92 00 – Joint Sealants: Sill sealant and perimeter caulking

## Section 08 71 00 – Door Hardware: Hardware other than furnished by door and frame manufacturer

## Section 09 90 00 – Paints and Coatings: Paint or stain other than factory applied finish

# References

## WDMA I.S.4: Industry Standard for Water Repellent Preservative Treatment Millwork

## Sealed Insulating Glass Manufacturers Association / Insulating Glass Certification Council (SIGMA/IGCC)

# System Description

## Design and Performance Requirements are not available for this product.

# Submittals

## Shop Drawings: Submit shop drawings under the provision of CSI MasterFormat Section 01 33 00.

## Protect Data: Submit product data for certified options under provision of CSI MasterFormat Section 01 33 00. Product performance rating information may be provided via quote, performance rating summary (NFRC Data), or certified performance grade summary (WDMA Hallmark data).

## Samples:

### Submit corner section under the provision of CSI MasterFormat Section 01 33 00.

### Specified performance and design requirements under provisions of CSI MasterFormat Section 01 33 00.

# Quality Assurance

## Requirements: consult local code for IBC [International Building Code] and IRC [International Residential Code] adoption year and pertinent revisions.

# Delivery

## Comply with provisions of CSI MasterFormat Section 01 65 00

## Deliver in original and protect from weather

# Storage and Handling

## Prime and seal wood surfaces, including concealed by wall construction, if more than thirty (30) days will expire between delivery and installation.

## Store window units in an upright position in a clean and dry storage area above ground to protect from the weather under the provision of Section 01660.

# Warranty

#### **Complete and current warranty information is available at** [marvin.com/warranty](http://www.marvin.com/windows-and-doors/warranty/)**. The following summary is subject to the terms, conditions, limitations, and exclusions set forth in the Marvin Limited Warranty and Products in Coastal Environments Limited Warranty Supplement:**

## Clear insulating glass with stainless steel spacers is warranted against seal failure caused by manufacturing defects and resulting in visible obstruction through the glass for twenty (20) years from the original date of purchase. Glass is warranted against stress cracks caused by manufacturing defects from (10) years from the original date of purchase.

## Factory applied interior finish is warranted to be free from the Finish Defects for a period of five (5) years from the original date of purchase.

## Hardware and other non-glass components are warranted to be free from manufacturing defects for ten (10) years from the original date of purchase.

#### Part 2 Products

# Manufactured Units

## Description: Factory assembled Wood Commercial Door, manufactured by Marvin Windows and Doors, Ripley, Tennessee.

# Frame Description

## Finger-Jointed, edge-glued Pine core with non-finger-jointed Pine veneer; finger-jointed, edge-glued Mahogany core with non-finger-jointed Mahogany veneer; finger-jointed, edge-glued Vertical Grain Douglas fir core with non-finger-jointed Vertical Grain Douglas Fir veneer.

### Kiln dried to moisture content no greater than twelve (12) percent at the time of fabrication.

### Water repellent, preservative-treated in accordance with WDMA I.S.4.

## Frame width: 4 9/16” (116mm)

## Frame thickness: 1 1/16” (27mm)

## Sill Options:

## 1. Standard factory installed thermal barrier saddle low profile .500” (13mm) by 7.125” (181mm) sill. Optional thermal barrier saddle low profile .250” (6mm) by 7.125” (181mm) sill. Offset saddle low profile 0.500” (13mm) by 7.00” (178mm) sill with 0.250” (6mm) offset.

## 2. Optional factory-installed thermal barrier saddle low profile 0.500” (13mm) by 8.125” (210mm). Optional thermal barrier saddle low profile 0.250” (6mm) by 8.125” (210mm) sill.

## 3. Optional factory-installed thermal barrier saddle low profile 0.500” (13mm) by 9.125” (235mm). Optional thermal barrier saddle low profile 0.250” (6mm) by 9.125” (235mm) sill.

## 4. Optional No Sill – sill supplied and applied by others. Jambs extended 7/8” (22mm) beyond panel bottom

# Panel Description

## 1 ¾” Doors: Stiles contain laminated veneer lumber (LVL) core with non-finger-jointed Pine, Mahogany, Mixed Grain Douglas Fir veneers. Solid wood top, bottom, and intermediate rails.

### Kiln dried to moisture content no greater than twelve (12) percent at the time of fabrication.

### Water repellant, preservative-treated in accordance with WDMA I.S.4.

## 2 ¼” Doors: Stiles and top rail contain laminated veneer lumber (LVL) core with non-finger-jointed Pine, Mahogany, Mixed Grain Douglas Fir veneers. Solid face laminated bottom and intermediate rails.

### Kiln dried to moisture content no greater than twelve (12) percent at the time of fabrication.

### Water repellant, preservative-treated in accordance with WDMA I.S.4.

## Composite panel thickness: 1 ¾” (44mm); 2 ¼” (57mm)

## Top rail width: 1 ¾” panel: 6” (152mm) or 2 ¼” panel: 8 1/8” (206mm)

## Stile width: 6” (152mm)

## Bottom rail height: 11 3/8” (289mm)

## Panel corners glued and fastened with 5/8 x 4” (16mm x 102mm) fluted hardwood dowels. Removable interior vinyl glazing stops with non-finger-jointed wood covers. 1 ¾” panel: Removable interior vinyl glazing stops with non-finger-jointed wood covers, no visible fastener holes; 2 ¼” panel: Non-Finger-Jointed wood visible nailed on glazing stop.

# Glazing

## Select quality complying with ASTM C1036. Comply with 16 CFR 1201 Safety Standard for Architectural Glazing Materials. Tempered insulating glass IGMA/IGCC certified to performance level CBA when tested in accordance with ASTM E774.

## Glazing Method: Tempered Insulating Glass (Altitude Adjusted)

## Dual Pane thicknes: 15/16”

## Glass fill: Air with capillary tubes, Argon.

## Glass Type: Clear, Bronze, Gray, Reflective Bronze, Low E2, Low E3, Obscure, Laminated, Low E2/ERS, Low E3/ERS

## Glazing Seal: Silicone bedding, exterior.

# Finish

## Exterior Finish Options

### Prime: Factory-applied enamel primer. Available on Pine product only.

## Interior Finish Options

### Painted Interior Finish. Factory-applied water-borne acrylic enamel. Available on Pine product only.Available in White or Designer Black. Meets WDMA TM-14 requirements.

### Factory-applied water–borne acrylic enamel clear coat. Applied in two separate coats with light sanding between coats. Available on Pine, Mahogany, Vertical Grain Douglas Fir.

### Factory-applied water-borne stain. Stain applied over a wood (stain) conditioner. A water-borne acrylic enamel clear coat was applied in two separate coats, with light sanding between coats applied over the stain. Available on Pine, Mahogany, Vertical Grain Douglas Fir. Colors available: Wheat, Honey, Hazelnut, Leather, Cabernet, or Espresso

# Hardware

## Hinges: 4 ½” x 4 ½” square corner ball bearing hinges.

### Finish: Satin Chrome (US26D) over the brass substrate, Bronze (US10A) over the brass substrate, Brass (US3), Stainless Steel (US32D).

## Locking System:

### No lock no bore is standard

### Optional Commercial Hardware Package: closer, rim device, mortise lock, removable mullion, and kick plate

## Optional hardware Routs and Preps.

### Von Duprin Push pad Rim Devices and Trim Sets

### Von Duprin Cross Bar Device and Trim Sets

### Von Duprin 5547 Concealed Vertical Rod Exit Device (available in 2 ¼” panels only)

### Schlage L Mortise Lock and Trim Sets

### Schlage ND Cylindrical locks

### Sargent 8200 Mortise Lock

### Alarm Lock

# Weather Strip

## Head jamb and hinge jamb: bulb type weather strip.

### Color: beige or black.

## Locking jamb: gray pile weather strip

## Surface-mounted aluminum panel drip mounted at the bottom of the panel (shipped loose for field application)

### Panel drip to default to sill color

### Beige for clear anodized, gold anodized, or beige sills

### Bronze for bronze sill

# Jamb Extension

## Factory installed (loose), for wall thickness indicated or required.

## Finish: Match interior frame wood species and finish.

# Raised or Flat Panel

## Raised or Flat Panel

### Core is medium density fiberboard (MDF) with non-finger-jointed wood laminate to the interior and exterior.

## Two placement options

### Low Placement: 26” (660mm) on center (OC) of 6” (152mm) intermediate rail from bottom sill for a 10 13/16” (275mm) visible panel height.

### High Placement: 40 5/16” (1024mm) on center (OC) of 6” (152mm) intermediate rail from bottom sill for a 25 1/8” (638mm) visible panel height.

# Simulated Divided Lites (SDL)

## 5/8” (16mm), 7/8” (22mm), 1 3/4” (44mm), 1 15/16” (49mm), 2 13/32” (61mm) – with or w/out internal spacer bar.

### Muntins: Pine, Mahogany, or Vertical Grain Douglas Fir.

### Muntins adhered to glass with double-coated acrylic foam tape.

### Pattern: Rectangular; Custom lite layout

### Interior muntins: Wood and finish interior of door

### Standard interior sticking: Ogee

### Optional interior sticking: Square

## 1 1/18” (29mm), 1 15/16” (49mm)

### Standard: Ovolo

### Optional: Square

# Grilles-Between-the–Glass (GBG)

## 23/32” (18mm) contoured aluminum bar

### Exterior colors: Marvin aluminum clad color. The exterior GBG color is designed to best match the Marvin aluminum clad colors when used with Low E2 glass. The use of different types of glazing may alter the exterior GBG color appearance.

### Interior colors: White is the default color. Optional colors: Bronze, Pebble Gray, Sierra White, Ebony (only available with Ebony exterior).

## Optional flat aluminum spacer bar; contact your Marvin representative.

# Accessories and Trim

## Installation and hardware Accessories:

### Factory installed vinyl nailing fin/drip cap

### Installation brackets: 6 3/8” (162mm); 9 3/8” (238mm); 15 3/8” (390mm)

### Masonry brackets: 6” (152mm); 10” (254mm)

## Exterior Wood Moulding:

### Profile; Brick Mould casing; Flat casing; Stucco brick mould casing; Stucco flat casing; as indicated on drawings.

### Finish: Match exterior frame finish.

#### Part 3 Execution

# Examination

## Verification of Condition: Before installation, verify openings are plumb, square, and of proper dimensions, as required in CSI MasterFormat Section 01 71 00. Report frame defects or unsuitable conditions to the General contractor before proceeding,

## Acceptance of Condition: Beginning on installation confirms acceptance of existing conditions.

# Installation

## Comply with CSI MasterFormat Section 01 73 19.

## Assemble and install window/door unit(s) according to manufacturer’s instruction and review shop drawing.

## Install sealant and related backing materials at the perimeter of the unit or assembly in accordance with CSI MasterFormat Section 07 92 00 Joint Sealants. Do not use expansive foam sealant.

## Install accessory items as required.

## Use finish nails to apply wood trim and mouldings.

# Field Quality Control

## Remove visible labels and adhesive residue according to the manufacturer’s instructions.

# Cleaning

## Remove visible labels and adhesive residue according to the manufacturer’s instructions.

## Leave windows and glass in a clean condition. Final cleaning as required in CSI MasterFormat Section 01 74 00.

# Protecting Installed Construction

## Comply with CSI MasterFormat Section 01 76 00.

## Protecting windows from damage by chemicals, solvents, paint, or other construction operations that may cause damage.

End of Section