Ultimate Swinging Door Collection

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Unit Features

Swinging Door Collection consists of:
UIFD: Ultimate Inswing French Door and IZ3
UOFD: Ultimate Outswing French Door and Z3/IZ4
UIAF: Ultimate Inswing French Door Arch Top and IZ3
UOAF: Ultimate Outswing French Door Arch Top
UIFD2.25: Ultimate Inswing French Door 2 1/4 inch and IZ3/IZ4
UOFD2.25AT: Ultimate Inswing French Door Arch Top and IZ3
UOFD2.25AT: Ultimate Outswing French Door Arch Top 2 1/4" inch and IZ3/IZ4

NOTE: IZ3 units not available with CE mark.

Frame:
- Frame thickness: 1 1/16" (27)
- Frame width: 4 9/16" (116)
- Fiberglass reinforced pultruded sill with water shed and weep system
  - Standard color: beige
  - Optional color: bronze
- Optional interior sill liner of Oak, Mahogany or Cherry for UIFD, UOFD
- Standard Oak sill liner for UIFDAT, UOFDAT, UIFD2.25, UIFD2.25AT, UOFD2.25 and UOFD2.25AT
- Optional interior sill liner of Mahogany or Cherry for UIFDAT, UOFDAT, UIFD2.25, UIFD2.25AT, UOFD2.25, UOFD2.25AT

Panel:
- Panel thickness: 1 3/4" (44)
  - Top rail height and stile width: 4 3/4" (121)
  - Sidelite stile width: 3" (76)
  - Traditional French Door bottom rail height: 8 1/8" (206)
  - Contemporary Door bottom rail height: 4 3/4" (121)
- Bottom rail:
  - Stave core is used for Pine, Cherry, Douglas Fir and Mahogany
  - Laminated veneer lumber (LVL) is used for White Oak
- Stationary stile and hinged stile:
  - LVL is used for White Oak, Mahogany and Cherry
  - Stave core is used for Pine and Douglas Fir
- Locking stile: all wood species use LVL
- Top rail:
  - LVL is used for White Oak
  - Solid wood for Mahogany and Cherry
  - Stave core is used for Pine and Douglas Fir
  - Intermediate rail: solid wood for all species
- Panel thickness: 2 1/4" (57)
  - Top rail height and stile width: 6" (152)
  - Bottom rail height: 8 1/8" (206)
  - Bottom rail, stationary stile, locking stile, hinged stile and top rail for all species use LVL
  - Top rail is solid wood for arch top doors
  - Intermediate rail: solid face laminated
- Standard interior wood cope sticking: ogee
- Optional interior wood cope sticking: square

NOTE: Contemporary doors will default to square sticking with an option to select ogee
- Panels are interior glazed

Raised/Flat Panel Option:
- Standard stamped raised panel uses .080" (2) aluminum to the exterior with foam backing
- Core is medium density fiberboard (MDF) with non finger-jointed wood laminated to the interior

NOTE:
- Panel option not available with Contemporary door
- Ultimate Inswing / Outswing French Door 2 1/4" and Ultimate Inswing / Outswing French Door 2 1/4" Arch Top products with Raised and Flat panel options are not available with CE mark.
Unit Features

Hardware:
- Multi-point lock: applied to active and optional on inactive panels, 2 3/8" (60) backset, with latch engagement and three locking points, with option of keyed alike.
  - Dead bolt
  - Head jamb bolt
- Manual head and foot bolt standard on inactive panel with option of multi-point lock
- Multi-point lock is standard on 2 1/4" inactive panels
- Optional mortise lock and passage latch on active panel
- Optional prep for passage latch with deadbolt
- Optional no lock/no bore
- Optional lever handle set: active, inactive and dummy
- Traditional handle set finish options:
  - Powder coat finishes: Satin Taupe, White, Dark Bronze, Matte Black
  - Metal finishes: Satin Chrome, Polished Chrome, Antique Brass, Oil Rubbed Bronze, Brass PVD, Oil Rubbed Bronze PVD, Satin Nickel PVD
- Contemporary handle set finish options:
  - Painted finishes: Matte Black, Dark Bronze,
  - Metal finishes: Oil Rubbed Bronze PVD, Satin Nickel PVD

Hinges:
- Adjustable hinges
  - Standard finish: Satin Taupe with a steel substrate
  - Optional powder coat finish: Gold Tone, Dark Bronze, Silver Frost, White, Matte Black
  - Optional finish: Antique Brass, Satin Chrome, Oil Rubbed Bronze, Polished Chrome, Brass PVD, Satin Nickel PVD, Oil Rubbed Bronze PVD
  - Dimensions are 4 1/4"(108) x 3 3/4"(95) with 3/8"(10) radius corners
  - Adjustment is 3/16"(5) for horizontal and vertical of panels in frame
- Quantity per panel for UIFD, UOFD
  - Unit rough opening height ≤ 96" (2438) = three hinges per panel
  - Optional four hinges for unit rough opening height ≥ 86 1/2" (2197) and ≤ 96"(2438)
- Quantity per panel for UIFDAT, UOFDA
  - Unit rough opening height ≤ 80" (2032) = three hinges per panel
  - Unit rough opening height ≥ 84" (2134) and ≤ 96"(2438) = four hinges per panel
- Quantity per panel for UIFD2.25, UOFD2.25, UIFD2.25AT, and UOFD2.25AT
  - Unit rough opening height ≤ 86 1/2"(2197) = three hinges per panel
  - Unit rough opening height > 86 1/2" (2197) and ≤ 96 (2438) = four hinges per panel
  - Unit rough opening height > 96" (2438) = five hinges per panel
  - Optional four hinges for unit rough opening height ≤ 96"(2438)
- Optional butt hinge for 1 3/4" doors
  - Default finish (Inswing): Satin Taupe with steel substrate; Optional finishes: Brass Plated, Solid Brass, Antique Brass, Oil Rubbed Bronze, Satin Chrome, Satin Nickel, White, Stainless Steel, Satin Nickel PVD
  - Default finish (Outswing): Solid Brass or Stainless Steel with non-removable pin
  - Dimensions: 4" (102) x 4" (102) with radius corners
  - Quantity per panel
    - Unit rough opening height < 86 1/2" (2198) = three hinges per panel
    - Unit rough opening height ≥ 86 1/2" (2198) up to ≤ 110 1/2"(2807) = four hinges per panel
    - Unit rough opening height > 110 1/2" (2807) = five hinges per panel
- Optional ball bearing hinges for 2 1/4" doors and 1 3/4" doors
  - Default finish is Satin Chrome with a brass substrate; Optional finish: Solid Brass, Bronze with a brass substrate or stainless steel (2 1/4" only)
  - Dimensions:
    - For 2 1/4" doors, 4 1/2" (114) x 4 1/2" (114) with square corners.
    - For 1 3/4" doors, 4 1/2" (114) x 4 1/2" (114) with radius corners
  - Quantity per panel
    - Unit rough opening height < 86 1/2" (2198) = three hinges per panel
    - For 2 1/4" doors: Unit rough opening height ≥ 86 1/2" (2198) up to ≤ 96"(2438) = four hinges per panel
    - For 2 1/4" doors: Unit rough opening height > 96" (2438) = five hinges per panel
    - For 1 3/4" doors: Unit rough opening height ≥ 86 1/2" (2198) up to ≤ 110 1/2"(2807) = four hinges per panel
    - For 1 3/4" doors: Unit rough opening height > 110 1/2" (2807) = five hinges per panel
Unit Features

Optional Screens: (Inswing Units only)

- Standard sliding screen
  - Extruded aluminum
  - Top hung
  - Colors: Stone White, Bahama Brown, Bronze, Pebble Gray and Evergreen
- Ultimate top hung sliding screen
  - Heavier extruded aluminum
  - Roller bar
  - Sill bolt
  - Integral handle
  - Screen color will match exterior frame color of clad unit
- Sliding screen for XO, OX, OOX, XOO, OXO, OXXO operation
- Standard swinging screen
  - Black hinges, two for doors under 90" (2286), three for doors 90" (2286) and over
  - Handle includes latch with exterior handle and internal locking mechanism
    - Colors: Black, Bronze, Satin Nickel, Brass, or Satin Taupe
  - Screen color will match exterior frame color of clad units
- Ultimate swinging screen
  - Screen and tempered glass insert
  - Four concealed hinges per panel are factory installed within the Z-bar
  - Handle includes latch with exterior handle and internal locking mechanism
    - Colors: Bronze, Satin Nickel, Brass, or Satin Taupe
  - Screen color will match exterior frame color of clad units
- Standard screen mesh: charcoal fiberglass
- Optional screen mesh: bronze, charcoal aluminum, silver aluminum black aluminum, or charcoal high transparency fiberglass mesh (CH Hi-Tran)

Weather Strip:

- Weather strip at all panel perimeter points
- Standard color: beige
- Optional color: black

Mulling:

- For mull performance, refer to the General Mulling chapter of the ADM.
Unit Features Continued

Glass and Glazing:

- Glazing method: Insulating - Dual Pane or Tri Pane
- Glazing seal: Silicone glazed
- Standard glass: Insulating Dual Pane Low E2 with Argon or Air
- Optional dual-pane glass make-ups:
  - Low E1 Argon or Air,
  - Low E3 Argon or Air,
  - Low E2/ERS Argon or air,
  - Low E3/ERS Argon or air, clear, tints, tempered, obscure, and decorative glass options
- Optional Tri Pane glass make-ups:
  - Low E2/E1 Argon, Krypton-Argon, or Air
  - Low E3/E1 Argon, Krypton-Argon, or Air
  - Low E1 Argon, Krypton-Argon, or Air
- Available glass types:
  - Laminated
  - Tempered
  - Obscure
- Tints:
  - Bronze
  - Gray
  - Green
  - Reflective Bronze
- Decorative glass options:
  - Frost
  - Reed
  - Narrow Reed
  - Rain
  - Sandblasted
  - Glue Chip
- All glass is of select quality complying with ASTM C 1036. Tempered or Laminated safety glazing per CPSC 16 CFR 1201. Insulating glass is manufactured and tested to pass level ASTM 2190 and is IGCC certified.
- IZ3 has tempered exterior pane.
- For additional specialty glazing options, please contact your Marvin representative.

CE Optional Glazing:

- Glazing seal: silicone beading, exterior
- Standard glazing: Low E2 Argon or Air
- Optional glazing: clear insulating, Low E3 Argon or Air, Low E1 Argon or Air, Low E2/ERS Argon or Air, Low E3/ERS Argon or Air, Laminated, Laminated Bronze tint, Laminated Gray tint, Laminated Green tint, Laminated White tint, Sandblasted
- Glass panes available in 3, 4, and 6 mm thicknesses
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations, Argon gas not included

**NOTE**: CE Mulling is available with CE marked mulled assemblies 1W2H with one in-sash or direct glaze over operable door up to 127" (3226) x 100" (2540) maximum size.
Unit Features

Interior Shades: (Rectangular units only)
- Cellular shade is attached to the door with a removable traditional or contemporary profile system that houses the cellular shade system and mechanism
  - Shade cartridge is removable and replaceable
  - One shade surround per panel daylight opening
  - Control: top down, bottom up

NOTE: Contemporary surround will default with Short Bottom Rail Door

- Wood frame surround:
  - Species: Pine, Mahogany, Mixed Grain Douglas Fir, Vertical Grain Douglas Fir, Cherry, or White Oak
  - Pull bar: wood wrapped extruded aluminum
  - Shade track
    - Standard color: beige
    - Optional colors: white or bronze
  - Optional shade cover
    - Short shade cover: doors up to 7-0 height
    - Tall shade cover: doors 7-0 height and over
- Cellular shade:
  - Single non-fire rated hexagonal honeycomb (cellular) 3/4” (19)
  - Semi-opaque fabric (light filtering)
    - Colors: Driftwood, Marigold, Almond, Rose, Denim, Biscuit, Champagne, Moss, Cinnamon, Silver, White, Stone, Tan, Ivory, Eggshell
  - Opaque fabric (blackout)
- Colors: White, Stone, Tan, Ivory, Eggshell
- Order options:
  - Ship separate: shade system packages separately and ships same time as the unit
  - Ship later: shade system shipped at a later date chosen by the customer
  - Shade option must be chosen at the time of unit order
  - Fabric opacity and color can be chosen at later date
  - Retro fit: ordered as a complete shade system through configured parts

Lock Status Sensor (Optional):
- Available for UIFD, UIFD2.25, UIFD2.25AT, UOFD, IOFD2.25, UOFD2.25AT.
- Refer to Lock Status Sensor Installation Instructions for requirements.
- To achieve a closed and locked status, The Lock Status Sensor requires that the door must be closed to depress the anti-slam mechanism so that the door can be manually locked. It allows easy integration with home automation systems using a wireless connection.
  - Requires purchase of secondary transmitter for operation. Marvin will prep for this option. Wired connection not available.
- Wireless Lock Status Sensor is located within the width and height of the operating panel.
- Sensor Location will always be integrated into the locking hardware system.
Standard Divided Lite Options

- Insulating Glass
- Aluminum 23/32" Contour GBG

- 5/8" SDL
  - W/Spacer

- 7/8" SDL
  - W/Spacer Bar

- 1 1/8" SDL
  - W/Spacer Bar

- 2 13/32" SDL
  - W/One Spacer Bar
  - W/Two Spacer Bars
Optional Interior Square Simulated Divided Lite

- 5/8" SDL
- 7/8" SDL
- 1 1/8" SDL
- 1 15/16" SDL
- 2 13/32" SDL

W/Spacer
W/Spacer Bar
W/Two Spacer Bars
W/Two Spacer Bars
Inswing Handing Configurations

XX R  OX L  XO R  OX R

XX L  XO L  OOO  OOX L

XOO R  OOX R  XOO L  OXO L

OXO R  OXX L  OXX R  XXO R

XXO L  OOOO  XXO L  XXO R

OOXX L  OOX R  OXXO L  OXXO R

Entrance Systems

OX L  XO R  XO L  OX R

OXO L  OXO R  OXXO L  OXXO R

1 3/4" Archtop Doors
2 1/4" Rectangular and Archtop Doors

O  X L  X R

OO  XX R  XX L
Outswing Handing Configurations

XX L
OX R
XO L
OX L

XX R
XO R
OOO
OX R

XOO L
OOX L
XOO R
OXO R

OXO L
OXX R
OXX L
XXO L

XXO R
OOOO
XXOO R
XXOO L

OOXX R
OOXX L
OXXO R
OXXO L

Entrance Systems

OX R
XO L
XO R
OX L

OXXO R
OXXO L

1 3/4" Archtop Doors
2 1/4" Rectangular and Archtop Doors

OX R
XO L
XO R
OX L

OXXO R
OXXO L

XX L
XX R