

GLASSCRAFT[®] DOOR COMPANY

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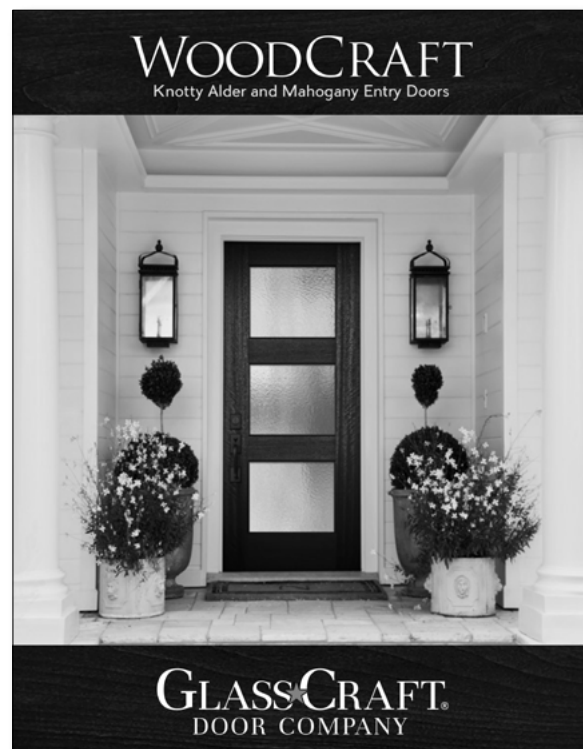
Hardwood Door Product Guide

Effective July, 2018

This product guide includes product information for the hardwood door products included in our 2016 WoodCraft Knotty Alder and Mahogany Entry Doors catalog.

This guide includes the following information:

- *Product specifications for all premium hardwood door series*



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Hours of Operation

Monday through Friday

Eastern	9:00 AM–6:00 PM
Central	8:00 AM–5:00 PM
Mountain	7:00 AM–4:00 PM
Pacific	6:00 AM–3:00 PM

You are welcome to visit and tour our 185,000 square foot glass and door facility. Please call first, prior to your visit. Weekday hours are listed above. Should you wish to pick up your order, please call to confirm that the order is available for loading prior to your arrival.

Order Forms and Quotation Forms are on-line at www.glasscraft.com under the "CUSTOMER SERVICE" window... then in the "SERVICE CENTER" area.



Product Specifications for Estancia Knotty Alder or DoorCraft Mahogany TDL Exterior Wood Doors

Doors built for the True Divided Lite Series millwork program are included in the TDL section of our *Mahogany and Knotty Alder Entry Doors* catalog, and have the following specifications*:

- 1) Solid wood construction in the stiles and rails. Stiles of these TDL door series use a laminated-engineered construction method, which greatly reduces the possibility of warpage, without the potential problems of a veneer door.
- 2) TDL door panels are fully floating (not glued) for superior strength and longevity. Panels are 3 layers thick for strength and to greatly reduce the possibility of splitting.
- 3) All stile and rail joints use full cove and bead construction (instead of butt-gluing), and incorporate multiple grooved dowel construction at each joint. The top rail and lock rails use 3 dowels per side, and the large bottom rail uses 4 dowels per side.
- 4) TDL doors are available pre-hung in matching mahogany or knotty alder components. This assures a beautiful match and consistent grain and stain pattern. 4 5/8" and 6 5/8" jamb widths are standard. Also available for mahogany units are matching TDL Transoms. All transoms include IG double thick beveled glass.
- 5) Glass panels in Estancia or DoorCraft TDL Doors are double glazed (IG). There are 6 available glass options for TDL doors and sidelites. All glass is tempered for safety.

Available Stock Product Sizes

Mahogany Doors	2' 6" X 6' 8" X 1 3/4"	Knotty Alder Doors	3' 0" X 6' 8" X 1 3/4"
	2' 8" X 6' 8" X 1 3/4"		3' 0" X 8' 0" X 1 3/4"
	3' 0" X 6' 8" X 1 3/4"		1' 2" X 6' 9" X 1 3/4"
	2' 6" X 8' 0" X 1 3/4"		1' 2" X 8' 1" X 1 3/4"
	2' 8" X 8' 0" X 1 3/4"		
	3' 0" X 8' 0" X 1 3/4"		
Mahogany Sidelites	1' 0" X 6' 9" X 1 3/4"	Knotty Alder Sidelites	
	1' 0" X 8' 1" X 1 3/4"		
	1' 2" X 6' 9" X 1 3/4"		
	1' 2" X 8' 1" X 1 3/4"		

Stile Construction

Doors 2–2.5mm (nominal) mahogany or knotty alder laminate over solid wood staves. Laminate veneers may be 2 layers thick. Sidelites: solid wood (no raised molding)

Stile Width

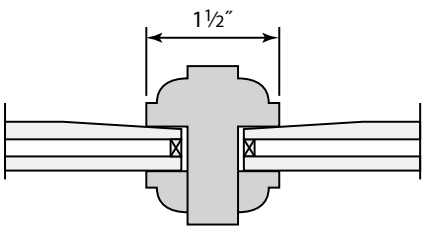
All doors	6 1/4" wide
1' 0" wide sidelites	1 1/2" wide
1' 2" wide sidelites	2 1/2" wide

Stile & Rail Connection Method

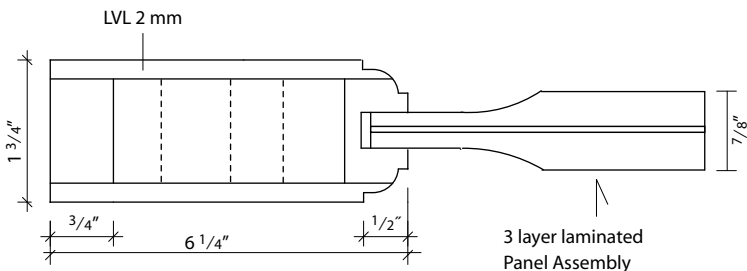
 Doweled Cove and Bead

Panel Thickness 7/16" laminated panel. Panel is 3 layers thick to eliminate splits through panel.

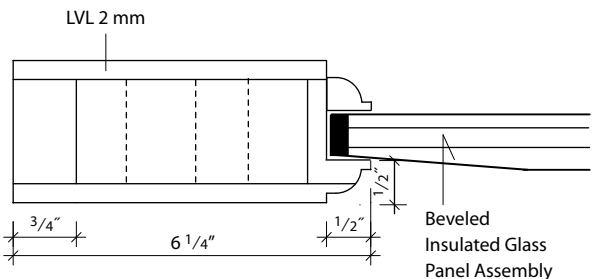
Wood Specie Meranti Mahogany or equivalent and Western Red Knotty Alder



TDL Door Panel Cross Section



TDL Door Glass Cross Section



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Product Specifications for Portobello Mahogany Exterior Wood Doors

Doors built for the Portobello Series millwork program are included in the *Mahogany and Knotty Alder Entry Door* color product catalog, and have the following specifications*:

- 1) Solid wood construction in the stiles and rails and panels. Stiles of these Portobello door series use a laminated-engineered construction method, which greatly reduces the possibility of warpage, without the potential problems of a veneer door.
- 2) Portobello door panels are fully floating (not glued) for superior strength and longevity. Raised panels used 3-layer laminate construction for strength and to prevent splitting.
- 3) All stile and rail joints use full cove and bead construction (instead of butt-gluing), and incorporate multiple grooved dowel construction at each joint. The top rail and lock rails use 3 dowels per side, and the large bottom rail uses 4 dowels per side.
- 4) Portobello doors are available pre-hung in matching mahogany components. This assures a beautiful match and consistent grain and stain pattern. 4 $\frac{7}{8}$ " and 6 $\frac{5}{8}$ " jamb widths are standard.
- 5) Options: Some Portobello doors are available with v-grooving, clavos, speakeasy options.

Available Stock Product Sizes

Doors	2'8" X 6'8" X 1 $\frac{3}{4}$ "
	3'0" X 6'8" X 1 $\frac{3}{4}$ "
	2'8" X 8'0" X 1 $\frac{3}{4}$ "
	3'0" X 8'0" X 1 $\frac{3}{4}$ "
	3'0" X 8'0" X 1 $\frac{3}{4}$ " each slab: Arch Top Double door set
	3'0" X 8'0" X 1 $\frac{3}{4}$ " each slab: Round Top Double door set
	3'6" X 8'0" X 1 $\frac{3}{4}$ "
Sidelites	3'6" X 8'0" X 2 $\frac{1}{4}$ " thick
	1'0" X 6'9"
	1'2" X 6'9"
	1'0" X 8'1"
	1'2" X 8'1"

Stile Construction

Doors 3'0" and 3'6"	3–5mm (nominal) laminate over solid wood staves
Doors 2'8" width	3–5mm (nominal) laminate over solid wood staves
Sidelites	1 piece—solid wood

Stile Width (doors)

3'6" width doors:	7 $\frac{5}{8}$ "
3'0" width: full lite, 3/4 lite, 2/3 lite, arch lite:	7 $\frac{5}{8}$ "
2'8" width doors:	5 $\frac{5}{8}$ "

Stile & Rail Connection Method

Multiple grooved dowels at cove and bead joint

Panel Thickness 1 $\frac{5}{8}$ "

Raised Molding

1 $\frac{3}{8}$ " wide X 1 $\frac{1}{2}$ " high

Exceptions:

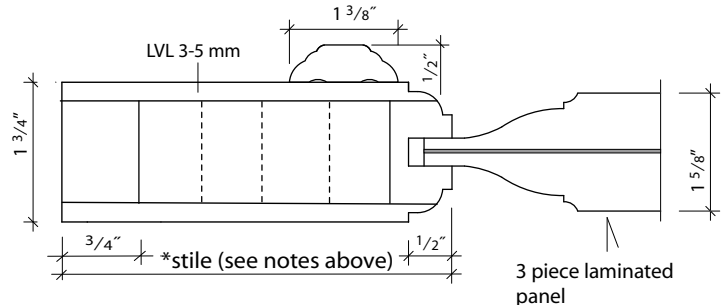
- 1) 1'2" sidelites have $\frac{3}{4}$ " wide X $\frac{3}{4}$ " high molding
- 2) 1'0" sidelites do not have raised molding
- 3) Round top doubles—raised molding is standard
- 4) Arch top doubles—raised molding is standard
- 5) 2'8" doors have $\frac{3}{4}$ " X 1 $\frac{1}{2}$ " molding to allow for hardware

Wood Specie Meranti mahogany or equivalent

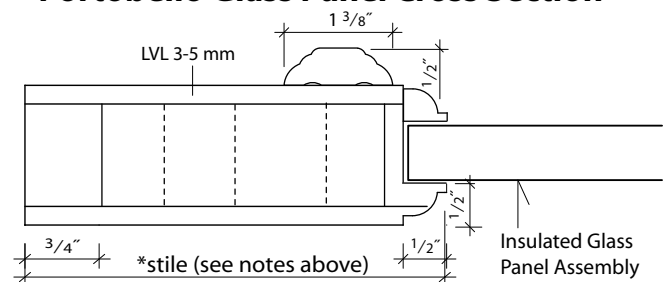
Comments Sidelites have 1 piece stiles

Warranty Refer to the Warranty section of our web site

Portobello Panel Cross Section



Portobello Glass Panel Cross Section



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Product Specifications for Mahogany & Alder Plank Wood Doors

Plank Doors included in the *Mahogany and Knotty Alder Entry Door* color product catalog have the following specifications*:

- 1) LVL Laminate Veneer Lumber wood construction throughout door with multiple stave splined-core construction on the door edges. This construction method greatly reduces the possibility of warpage or splitting, without the potential problems of a veneer door. See photos below.
- 2) These mahogany and alder doors are available pre-hung in matching mahogany or alder jamb components. This assures a beautiful match and consistent grain and stain pattern. 4 ⁵/₈" and 6 ⁵/₈" jamb widths are standard.
- 3) Options: All plank doors are available with clavos, straps, and speakeasy options. Plus arch top and round top options.

Available Stock Product Sizes

Doors 2'8" X 6'8" X 1 ³/₄"
 3'0" X 6'8" X 1 ³/₄"
 2'8" X 8'0" X 1 ³/₄"
 3'0" X 8'0" X 1 ³/₄"
 3'6" X 8'0" X 2 ¹/₄" thick

Door Shapes: All the above door sizes are available in square top, arch top, and round top shapes. Plus Arch Top doubles and Round Top Doubles.

Stile Construction

Doors 5mm (nominal) laminate over solid wood staves

Wood Specie Meranti mahogany or equivalent and Western Red Knotty Alder

Warranty Refer to the Warranty section of our web site

Refer to this cross-section photo for construction detail:



Knotty Alder

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Product Specifications for Mahogany & Knotty Alder Doors with Wrought Iron Grilles

Doors built for the Craftsman Series millwork program are included in the TDL section of our *Mahogany and Knotty Alder Entry Doors* color product catalogs, and have the following specifications*:

- 1) Solid wood construction in the stiles, rails and panels. Stiles of the Portobello and Estancia door series use a laminated-engineered construction method, which greatly reduces the possibility of warpage, without the potential problems of a veneer door.
- 2) Portobello and Estancia door panels are fully floating (not glued) for superior strength and longevity. Raised panels use 3-layer laminate construction for strength and to prevent splitting.
- 3) All stile and rail joints use full cove and bead construction (instead of butt-gluing), and incorporate multiple grooved dowel construction at each joint. The top rail and lock rails use 3 dowels per side, and the large bottom rail uses 4 dowels per side.
- 4) Portobello and Estancia doors are available pre-hung in matching mahogany components. This assures a beautiful match and consistent grain and stain pattern. 4 5/8" and 6 3/8" jamb widths are standard.
- 5) Options: Some Portobello doors are available with clavos and speakeasy options. Most Estancia doors are available with v-grooving, clavos and speakeasy options.
- 6) These doors are shipped with wrought iron grilles attached to the door using the method shown in Photo 1 below.
- 7) Optional wrought iron grille hinges can be purchased separately.
- 8) These hinges may be installed to the door and iron grille so that the grille may be opened for cleaning of the glass. Grill may be opened to the right or to the left. Hinges are installed onto the door as shown in Photo 2 below. Section drawings of both mounting methods are shown in the drawings at the bottom of the page. #WRH

Wrought Iron Grilles

Grilles are all steel....solid or tubes depending upon the design. Grilles are all hand-made and welded. Grilles are powder-coated with a matte-black powder paint finish. Grilles are shipped with optional mounting hinges and instructions attached to the grille in a shipping bag. Iron Grilles are available for 32" width, 36" width and 42" width doors and 14" wide sidelites. Iron grille transoms are also available.

Available Door Stock Product Sizes

Please refer to Portobello sizes on page 15 and Estancia Alder sizes listed on page 11.

Stile Construction

Doors 3'0" and 3'6"	3-5mm (nominal) laminate over solid wood staves
Doors 2'8" width	3-5mm (nominal) laminate over solid wood staves
Sidelites	1 piece—solid wood

Stile Width (doors)

3'0" width: full lite, 3/4 lite, 2/3 lite, arch:	7 5/8"
2'8" width doors:	5 5/8"

Stile & Rail Connection Method Multiple grooved dowels at cove and bead joint

Panel Thickness 1 5/8"

Raised Molding 1 3/8" wide X 1/2" high
Exceptions: 2'8" doors have 3/4" X 1/2" molding to allow for hardware

Wood Specie Mahogany or equivalent and knotty alder

Comments Sidelites have 1 piece stiles. 12" wide sidelites with iron grilles are not available.

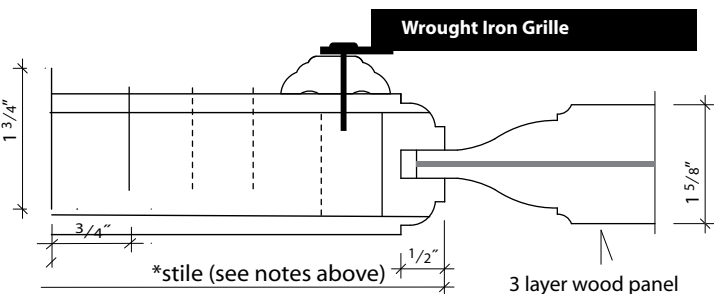


Photo 1: standard mount of iron grille

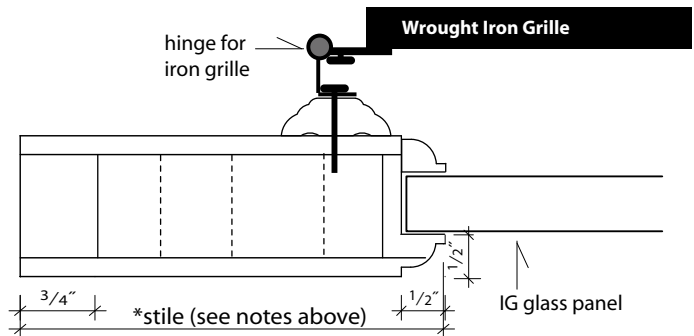


Photo 2: optional hinge mount

Wrought Iron Door Panel Cross Section with standard iron grille mount



Wrought Iron Door Glass Panel Cross Section with optional operable hinged iron grille mount



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Product Specifications for Craftsman Knotty Alder & Mahogany Doors

Doors built for the Craftsman Series millwork program are included in the TDL section of our *Mahogany and Knotty Alder Entry Doors* color product catalogs, and have the following specifications*:

- 1) Solid wood construction in the stiles and rails. Stiles of these craftsman door series use a laminated-engineered construction method, which greatly reduces the possibility of warpage, without the potential problems of a veneer door.
- 2) Craftsman door panels are fully floating (not glued) for superior strength and longevity. Panels are flat (no detail or profiles) in keeping with the craftsman design appearance. Panels are three layers thick to prevent cracking or splitting.
- 3) All stile and rail joints use full cove and bead construction (instead of butt-gluing), and incorporate multiple grooved dowel construction at each joint. The top rail and lock rails use 3 dowels per side, and the large bottom rail uses 4 dowels per side.
- 4) Craftsman doors are available pre-hung in matching mahogany or knotty alder components. This assures a beautiful match and consistent grain and stain pattern. 4 5/8" and 6 5/8" jamb widths are standard.

Available Stock Product Sizes

Doors	3'0" X 6'8" X 1 3/4"
	3'0" X 8'0" X 1 3/4"
Sidelites	1'2" X 6'9" X 1 3/4"
	1'2" X 8'1" X 1 3/4"

Stile Construction

Doors	mahogany or knotty alder laminate over solid wood staves
Sidelites	solid wood (no raised molding)

Stile Width

3'0" wide doors	6 1/4" wide
1'2" wide sidelites	2 1/2" wide

Stile & Rail Connection Method

 Doweled Cove and Bead

Panel Thickness

 All Craftsman Doors 1/2" laminated panel

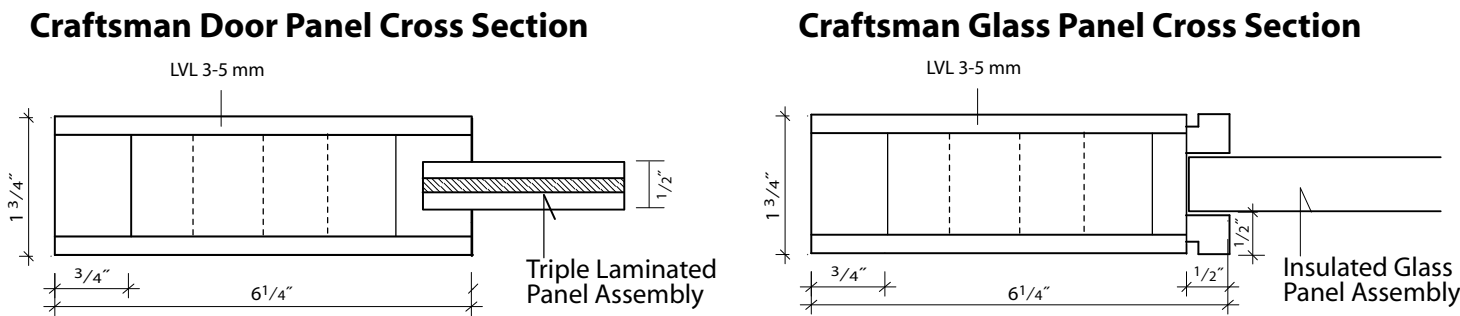
Raised Molding Width

 No raised moldings

Wood Specie

 Meranti mahogany or equivalent and Western Red Knotty Alder

Comments

 2'8" wide doors are not available from stock

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Product Specifications for Bungalow Mahogany Doors

Doors built for the Bungalow Series millwork program are included in Section 5: Craftsman, Mission and Bungalow section of our *Mahogany and Knotty Alder Entry Doors* color product catalogs, and have the following specifications*:

- 1) Solid wood construction in the stiles and rails. Stiles of these craftsman door series use a laminated-engineered construction method, which greatly reduces the possibility of warpage, without the potential problems of a veneer door.
- 2) Bungalow door panels are fully floating (not glued) for superior strength and longevity. Panels include a tight v-groove pattern in keeping with the Bungalow design appearance. Panels are constructed using an LVL technique to eliminate the possibility of cracking or warping.
- 3) All stile and rail joints use full cove and bead construction (instead of butt-gluing), and incorporate multiple grooved dowel construction at each joint. The top rail and lock rails use 3 dowels per side, and the large bottom rail uses 4 dowels per side.
- 4) Bungalow doors are available pre-hung in matching mahogany components. This assures a beautiful match and consistent grain and stain pattern. 4 $\frac{5}{8}$ " and 6 $\frac{5}{8}$ " jamb widths are standard.

Available Stock Product Sizes

Doors 3'0" X 6'8" X 1 $\frac{3}{4}$ "
3'0" X 8'0" X 1 $\frac{3}{4}$ "

Stile Construction

Doors mahogany laminate over LVL staves

Stile Width

3'0" wide doors 6 $\frac{1}{4}$ " wide

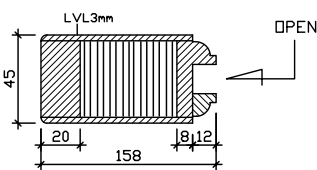
Panel Thickness 1" nominal thick LVL laminated panel

Raised Molding Width No raised moldings

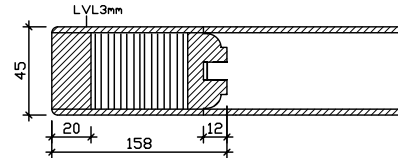
Wood Specie Meranti mahogany or equivalent

Drawings shown here show the detail for a Bungalow 6-8 high TDL door. Other Bungalow doors are constructed using these same designs. All dimensions shown are in millimeters.

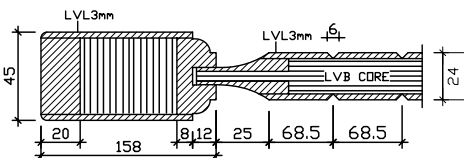
A CROSS SECTION



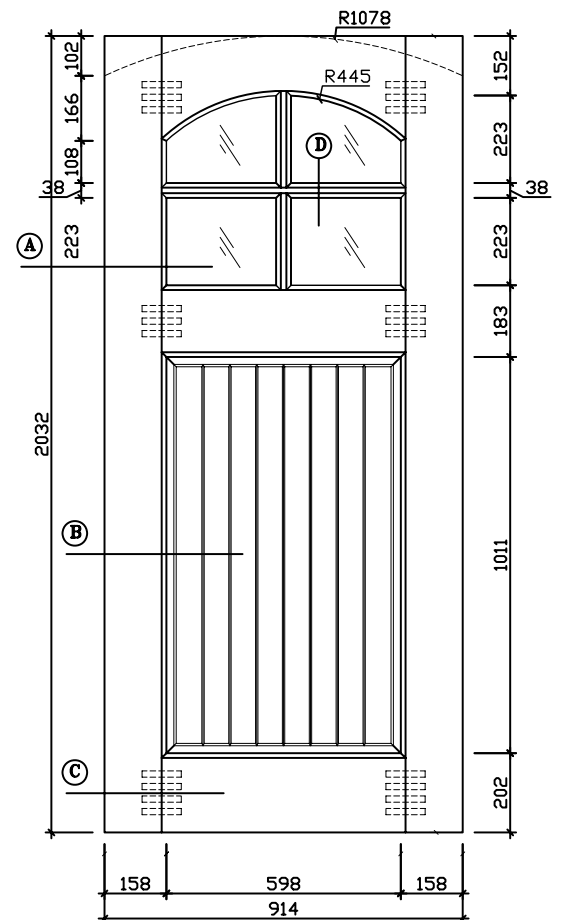
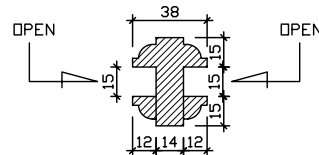
C CROSS SECTION



B CROSS SECTION



D CROSS SECTION



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Pre-hung Unit and DP Information

The chart below lists rough opening dimensions and “DP” design pressure ratings for all of our standard “inswing” entryway configurations. Most of these entryway configurations have been approved by state regulatory entities for use in windstorm areas. Note that the “rough opening size” listed below is a “tight” size, and is for reference only. Your installer may wish to add to these rough opening sizes. It is important to measure your pre-hung entryway unit upon arrival at the jobsite, and to construct the opening to fit the individual entryway unit. “Inswing” and “outswing” units have the same rough opening size.

The DP ratings shown below apply to “inswing” entryways which use our Estancia doors, our Portobello doors, and our TDL doors. For DP ratings on “Outswing” entryways, please refer to our web site. These ratings do NOT apply to our Legacy Series mahogany entryways, or door slabs of any series. Our Buffalo Forge Series entryways and our decorative Steel Inserts have also been approved, and our Fiberglass Doors are Impact Approved. Please refer to our web site at www.glasscraft.com for more information on these products.

In the chart below, “N/A” means that the product is not available OR the product configuration has not been tested for a DP Rating.

For the most up-to-date information and test results for “outswing” entryways, please check your state regulatory website and/or our GlassCraft company website at www.glasscraft.com.

		Inswing Entry Units with 6'8" Tall Doors				Inswing Entry Units with 8'0" Tall Doors					
		32" x 6-8 door		36" x 6-8 door		32" x 8-0 door		36" x 8-0 door		42" x 8-0 door	
		DP Rating	Rough Opening Size	DP Rating	Rough Opening Size	DP Rating	Rough Opening Size	DP Rating	Rough Opening Size	DP Rating	Rough Opening Size
	single door	+47.2/-51.4 +47.1/-61.6 (TDL only)	34.25" x 82.5"	+47.2/-51.4 +47.1/-61.6 (TDL only)	38.25" x 82.5"	+47.2/-51.4	34.25" x 98.5"	+47.2/-51.4	38.25" x 98.5"	+47.2/-51.4	44.25" x 98.5"
	arch top single door	N/A	34.25" x 82.5"	N/A	38.25" x 82.5"	N/A	34.25" x 98.5"	N/A	38.25" x 98.5"	N/A	44.25" x 98.5"
	round top single door	N/A		N/A		N/A	34.5" x 99.25"	N/A	38.5" x 99.25"	N/A	44.5" x 99.25"
	door and 12" sidelite	+36.2/-45.7	47.75" x 82.5"	+47.2/-51.4	51.75" x 82.5"	+36.2/-45.7	47.75" x 98.5"	+36.2/-45.7	51.75" x 98.5"	N/A	57.75" x 98.5"
	door and 14" sidelite	+47.1/-61.6 (TDL only)	49.75" x 82.5"	+47.1/-61.6 (TDL only)	53.75" x 82.5"		49.75" x 98.5"		53.75" x 98.5"		59.75" x 98.5"
	door and 2-12"sidelites	+36.2/-45.7	61.25" x 82.5"	+36.2/-45.7	65.25" x 82.5"	+36.2/-45.7	61.25" x 98.5"	+36.2/-45.7	65.25" x 98.5"	N/A	71.25" x 98.5"
	door and 2-14"sidelites	+47.1/-61.6 (TDL only)	65.25" x 82.5"	+47.1/-61.6 (TDL only)	69.25" x 82.5"		65.25" x 98.5"		69.25" x 98.5"		75.25" x 98.5"
	door, 2-12"sidelites, rectangular transom	+36.2/-45.7	N/A	+36.2/-45.7	65.25" x 96"	+36.2/-45.7	N/A	+36.2/-45.7	65.25" x 112"	N/A	
	door, 2-14"sidelites, rectangular transom		65.25" x 98"		69.25" x 98"		65.25" x 114"		69.25" x 114"		
	door, 2-12" sidelites, elliptical transom	+36.2/-45.7	N/A	+36.2/-45.7	65.25" x 101.25"	+36.2/-45.7	N/A	+36.2/-45.7	65.25" x 117.25"	N/A	
	door, 2-14" sidelites, elliptical transom		65.25" x 101.25"		69.25" x 103.25"		65.25" x 117.25"		69.25" x 119.25"		
	door, 2-12"sidelites, segment head transom	+36.2/-45.7	N/A	+36.2/-45.7	65.25" x 103-3/8"	+36.2/-45.7	N/A	+36.2/-45.7	65.25" x 119-3/8"	N/A	
	door, 2-14"sidelites, segment head transom		65.25" x 103-3/8"		69.25" x 104.5"		65.25" x 119-3/8"		69.25" x 120.5"		
	door, 2-12"sidelites, half round transom	+36.2/-45.7	N/A	+36.2/-45.7	65.25" x 115.5"	+36.2/-45.7	N/A	+36.2/-45.7	65.25" x 131.5"	N/A	
	door, 2-14"sidelites, half round transom		65.25" x 115.5"		69.25" x 117.5"		65.25" x 131.5"		69.25" x 133.5"		
	double door	+36.2/-45.7 +44.2/-55.7 (TDL only)	66.75" x 82.5"	+36.2/-45.7 +44.2/-55.7 (TDL only)	74.75" x 82.5"	+36.2/-45.7	66.75" x 98.5"	+36.2/-45.7	74.75" x 98.5"	N/A	86.75" x 98.5"
	arch top double door	N/A		N/A		+50.0/-50.0	66.75" x 98.5"	+50.0/-50.0	74.75" x 98.5"	N/A	
	TDL arch top double					+45.0/-40.0 (TDL only)		+45.0/-40.0 (TDL only)			
	round top double door	N/A		N/A		N/A		+50.0/-45.0	75.25" x 99.25"	N/A	
	double door, elliptical transom	N/A		+36.2/-45.7	74.75" x 103.25"	N/A		+36.2/-45.7	74.75" x 119.25"	N/A	
	double door, segment head transom	N/A		+36.2/-45.7	74.75" x 106.5"	N/A		+36.2/-45.7	74.75" x 122.5"	N/A	
	double door, half round transom	N/A		+36.2/-45.7 +44.2/-55.7 (TDL only)	74.75" x 120.25"	N/A		+36.2/-45.7	74.75" x 136.25"	N/A	