DOOR STYLE SPECIFICATION

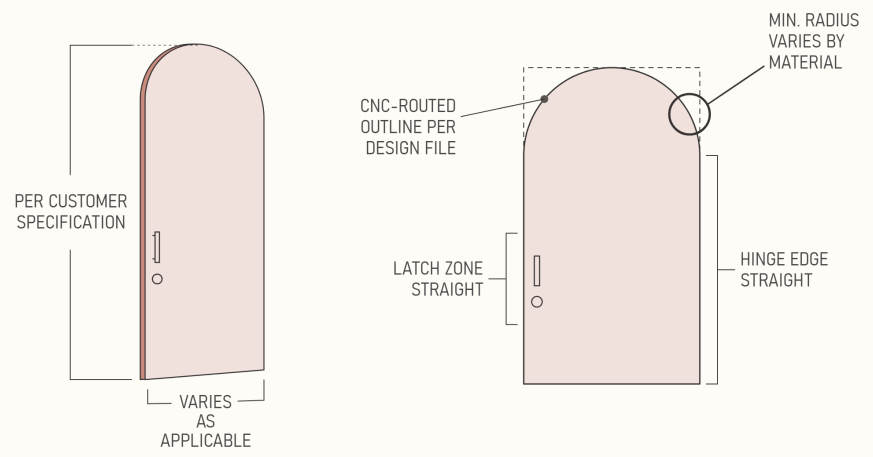
Custom Shape

Custom Shape is a custom variant of the slab door, with its outline CNC-routed to a curved top, rounded corners, a peaked top, or a free-form profile.

CONSTRUCTION	DOOR FACE	DOOR HEIGHTS	MATERIALS
Slab	**Smooth**	**58″ to 108″**	**Four**
Same as Flat Panel	Outline routed to the design file	Maximum set by material	No Engineered Stone doors

WHAT IT IS

Custom Shape uses the Flat Panel slab in the selected material, with the outline CNC-routed from an approved design file instead of cut as a rectangle. The hinge edge and latch zone stay straight so hardware mounts at standard locations, and engineering reviews every shape before it is committed.



Custom Shape detail: an arched top CNC-routed from a slab to the design file, with a material-set minimum radius and straight latch and hinge edges.

MATERIAL AVAILABILITY

High Pressure Laminate	**Custom**
Compact Laminate	**Custom**
Wood Veneer	**Custom**
Solid Surface	**Custom**

SPECIFIES WITH

MOUNTING STYLES
Headrail Braced (HRB) · Floor to Ceiling (FTC) · European · Floor Mount (FM) · Ceiling Hung (CH)

SOLID SURFACE MOUNTING
Headrail Braced (HRB) · Floor to Ceiling (FTC) · European

EDGE PROFILES
Flat Edge · Zero Sightline (ZSL)

DOOR SELECTION

STRENGTHS

+ **Shaped Outline.** Curved tops, rounded corners, peaked tops, or free-form outlines can carry a theme or an architectural line.
+ **Beyond the Door.** Panels, pilasters, and urinal screens can take the same profile, subject to structural and safety review.
+ **Slab Construction.** Builds on the Flat Panel slab; thickness and door sizing follow the selected material.

CONSIDERATIONS

! **Curve Radius.** Each material sets a minimum curve radius; tight curves may narrow the material choice.
! **Hardware Edges.** The hinge edge and latch zone stay straight; closers and coat hooks mount on flat areas.
! **Material Limits.** No Engineered Stone doors; Solid Surface doors are too heavy for Floor Mount or Ceiling Hung.
! **Cost and Lead Time.** Quoted per project after engineering review; complex outlines cost more and may extend the schedule.

TECHNICAL REFERENCE

CONSTRUCTION

COMPONENT	SPECIFICATION
Base construction	Slab, same as Flat Panel
Outline	CNC-routed to the approved design file
Thickness	HPL and Wood Veneer 1.25″; Compact Laminate 0.75″; Solid Surface 1″; may increase with shape complexity
Edges	PVC banding on HPL and Compact Laminate; veneer banding on Wood Veneer; none on Solid Surface; curves may need hand banding
Minimum curve radius	HPL and Wood Veneer 8″; Compact Laminate and Solid Surface 1″
Inside corners	No smaller than the routing tool diameter

HEIGHTS AND SIZING

ITEM	SPECIFICATION
Door size	Standard slab dimensions of the selected material
Standard heights	58″, 72″, and 84″
Maximum height	108″ HPL and Wood Veneer; 84″ Compact Laminate
Solid Surface heights	58″, or 71″ to 96″; 59″ to 70″ not available
Default floor clearance	12″ below 58″ doors; 9″ below 72″ and 84″ doors
Bottom edge	Accessible compartments: ADA reach and smooth-surface rules apply; shaped bottoms reviewed for floor clearance

HARDWARE

COMPONENT	SPECIFICATION
Hinge edge and latch zone	Straight; hinge edge full height; hinges and latch at standard locations
Closer and coat hook	Mounted on flat areas of the outline
Cut-throughs and holes	Not allowed at the hinge edge, latch edge, or top and bottom edges where hardware attaches
Overhead closer	Required on doors over 100 lb, except 58″ Solid Surface doors; needs a headrail or transom above the door
Solid Surface, 58″	Three surface-mount hinges; no closer
Solid Surface, 71″ to 96″	Continuous geared hinge and overhead closer; headrail or transom above the door

OPTIONS

OPTION	DETAIL
Shape types	Curved top, outhouse-style peak, curved corners, or free-form outline
Shaped components	Panels, pilasters, and urinal screens; Engineered Stone panels limited to simple geometric shapes
Design files	DXF or DWG preferred; AI, CDR, GIF, and JPEG accepted with conversion fees

RELATED DOCUMENTS Compatible material and mounting style pages, the limited warranty, and the Spec Builder are linked from ironwood-mfg.com/products/door-styles/custom-shape/