Chapter - D



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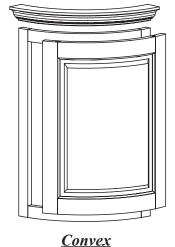
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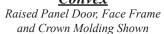
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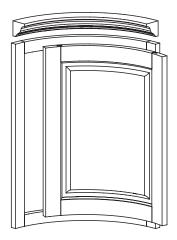
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Convex/Concave Products & Glossary of Terms

Curved Products - Convex/Concave







<u>Concave</u> Raised Panel Door, Face Frame and Crown Molding Shown

C = This symbol is used throughout the catalog to represent products and profiles that are available Convex/Concave. • See individual chapters and/or sections for more information.

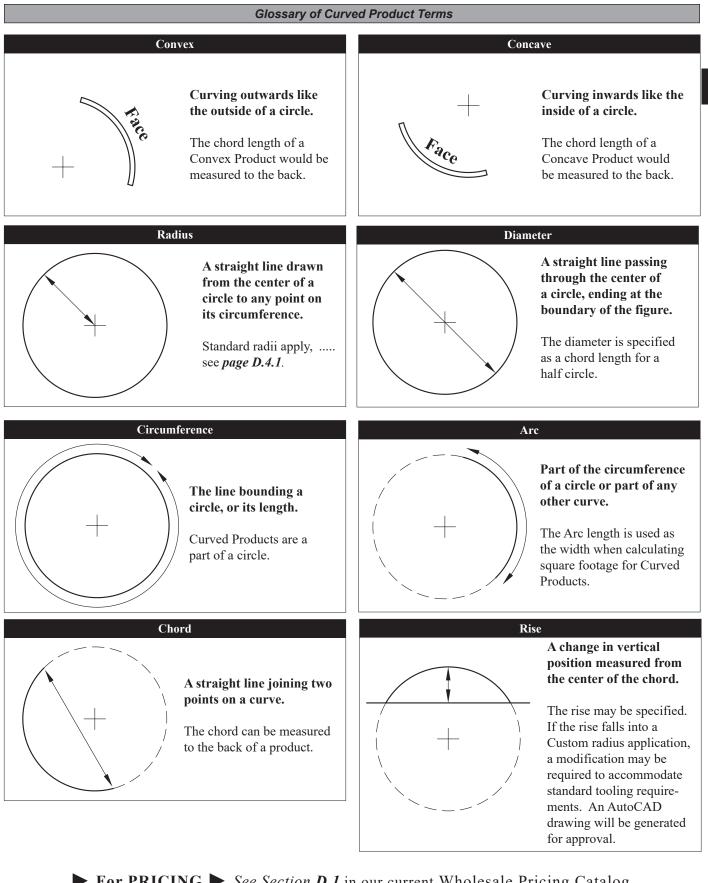
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Convex/Concave Products & Glossary of Terms

Convex/Concave Options

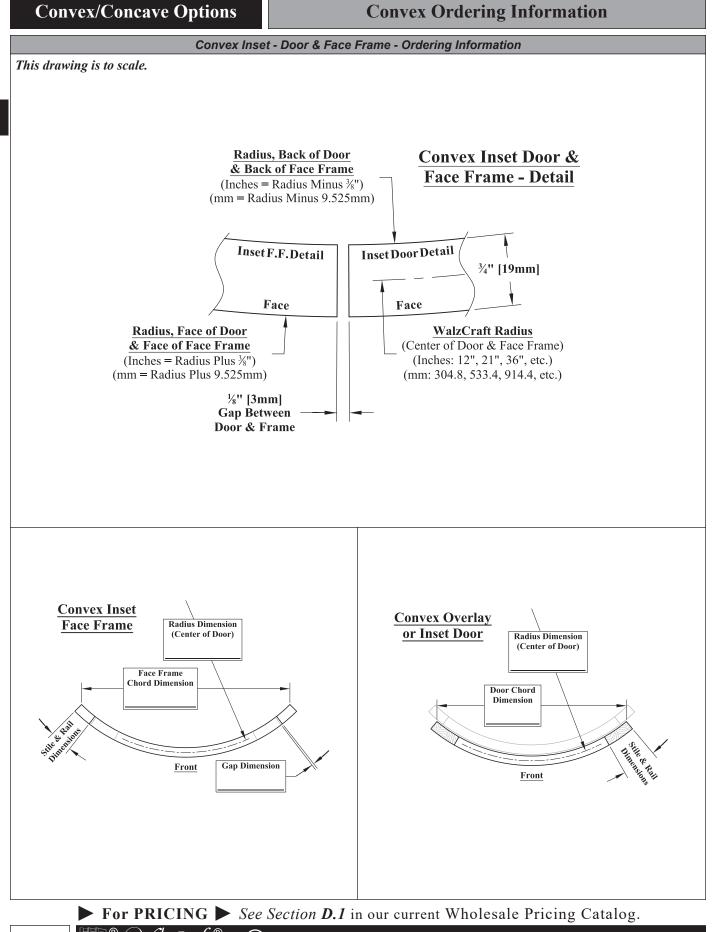
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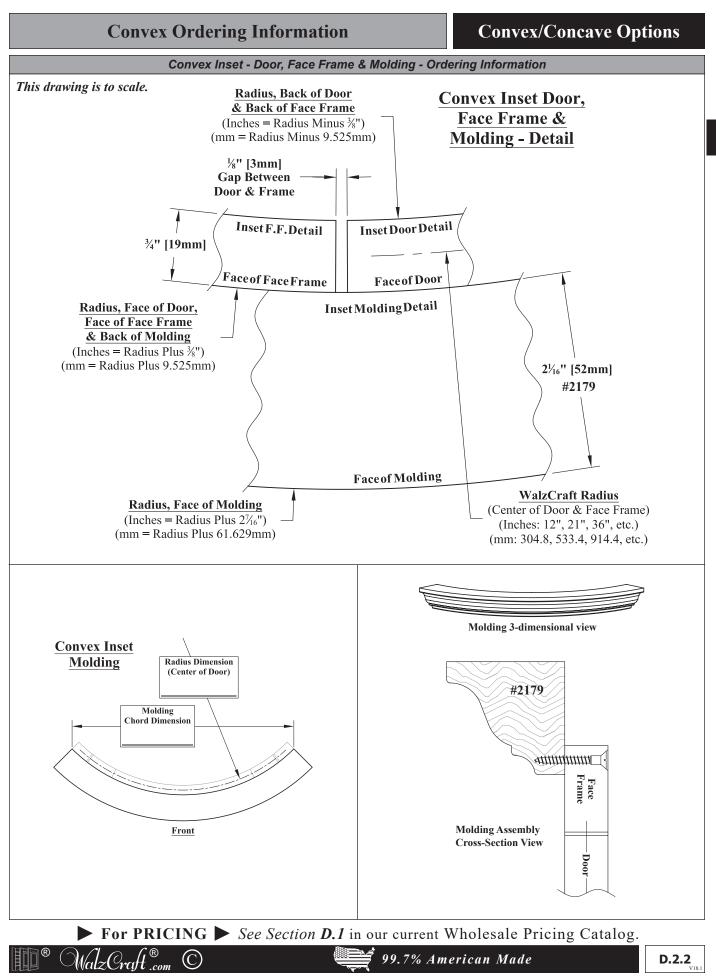
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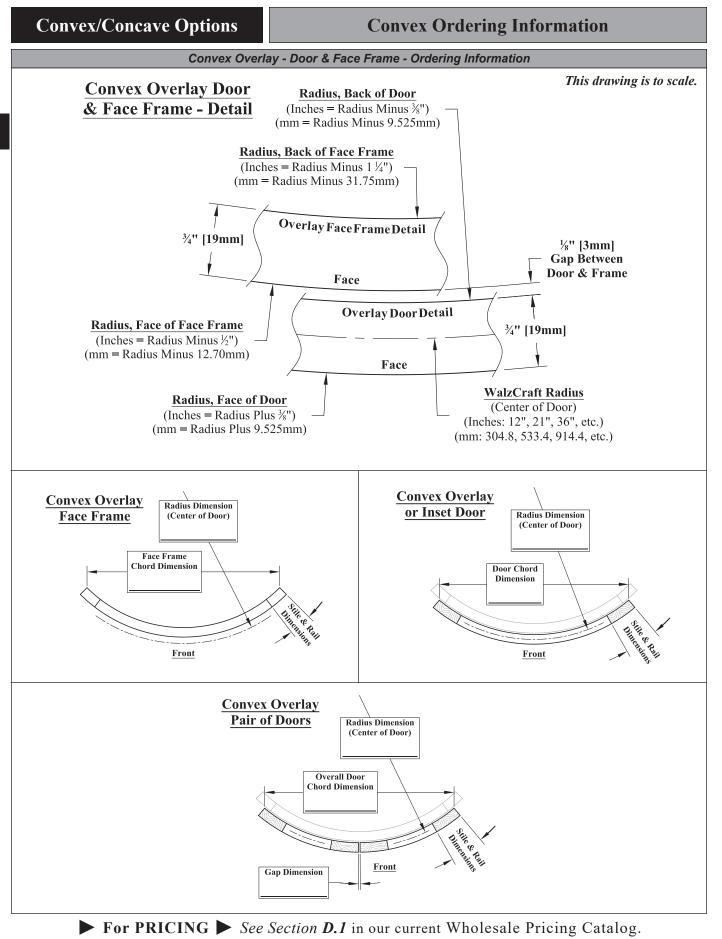


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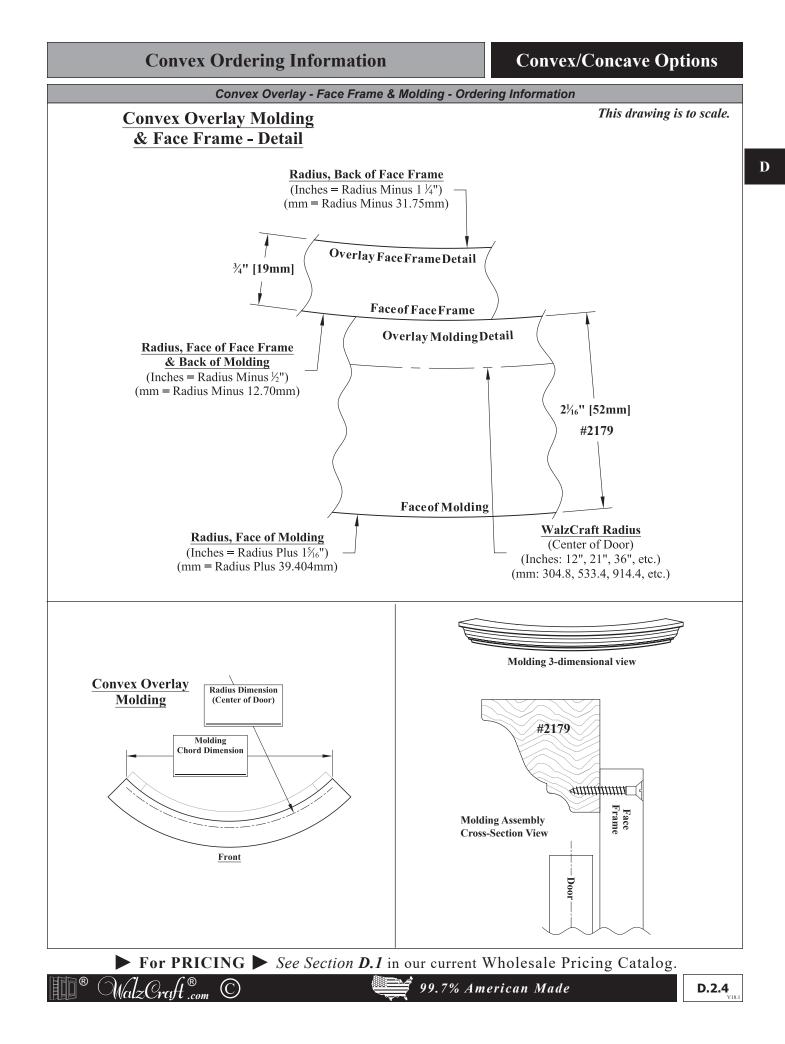




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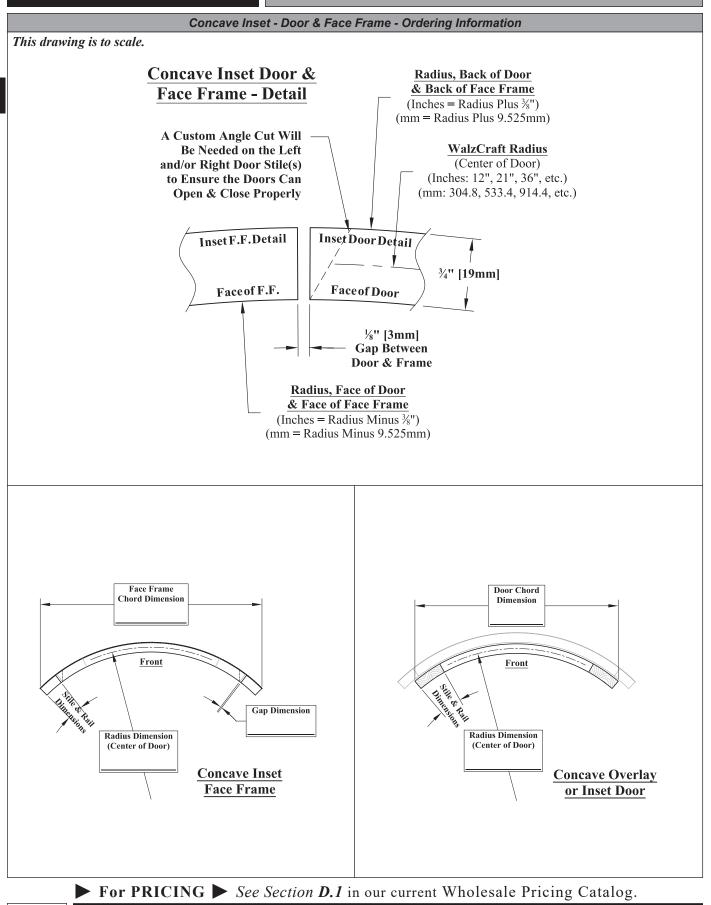
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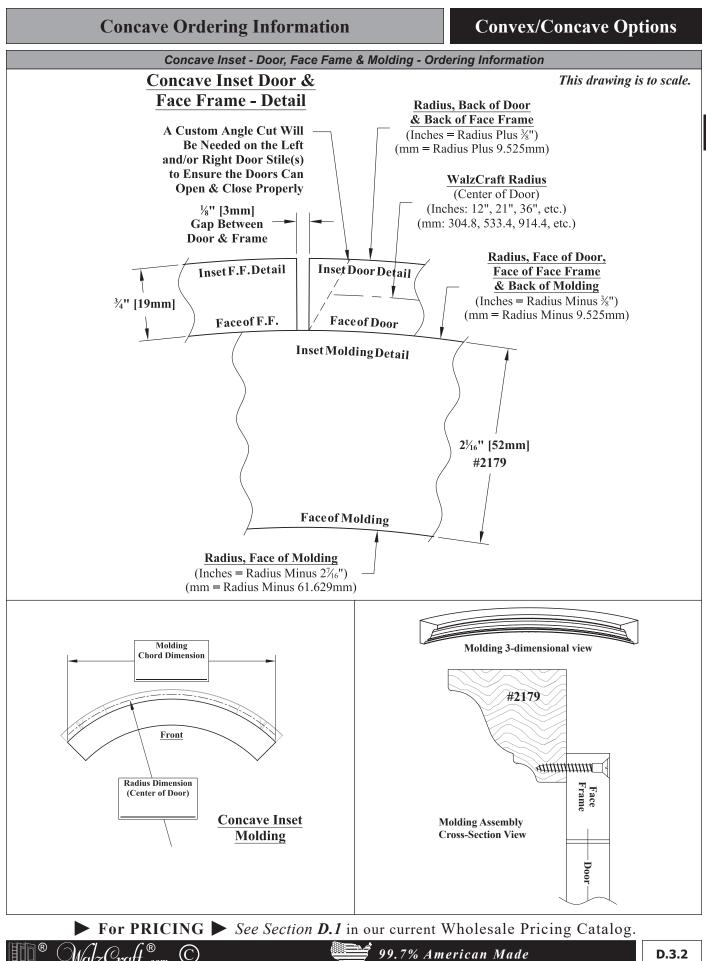


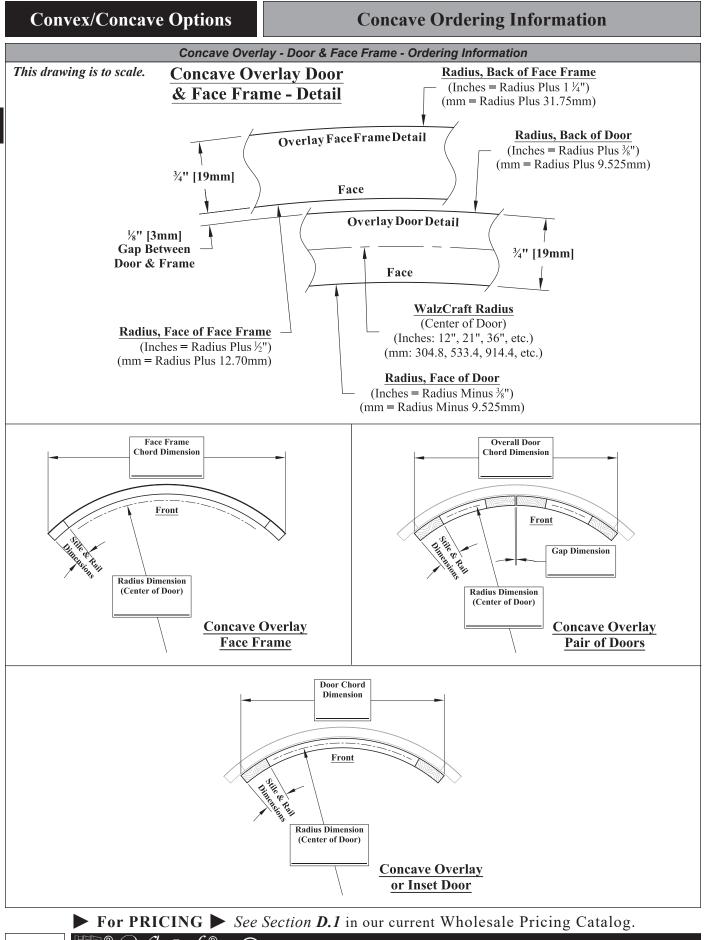
Concave Ordering Information

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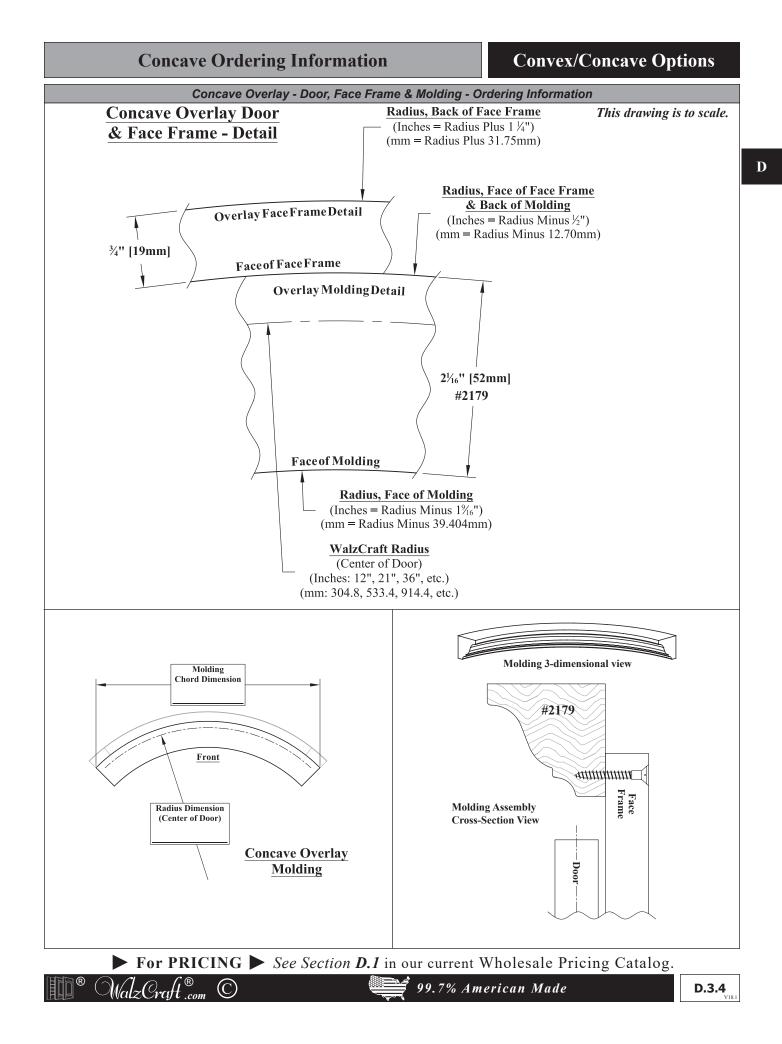




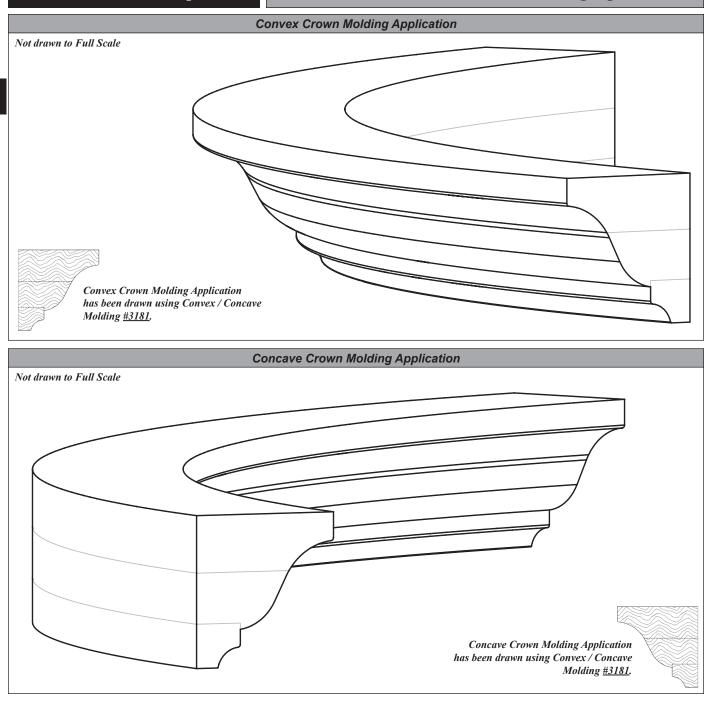
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Convex / Concave Crown Molding Options

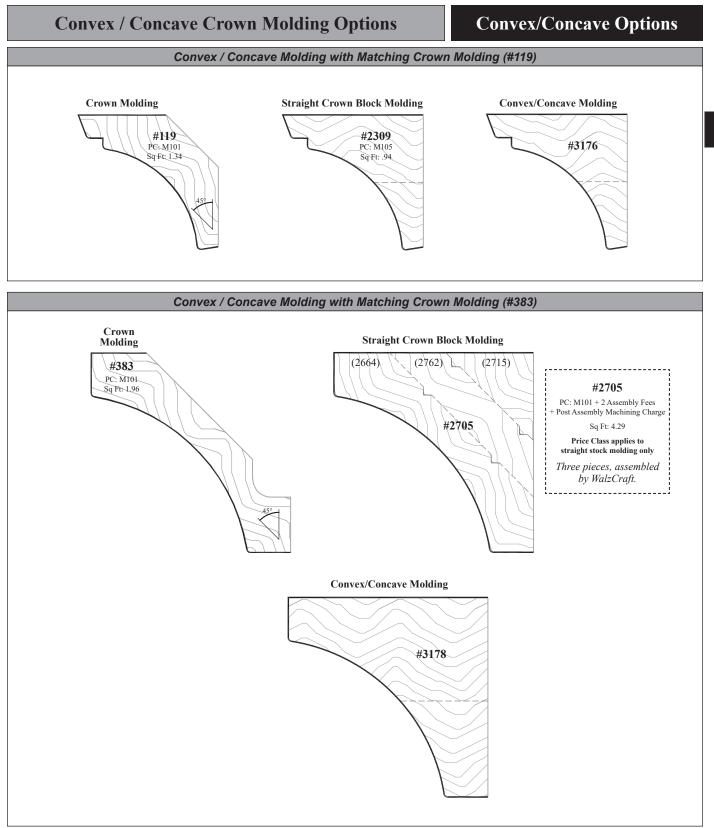


** For Arched Canopy Crown Molding Options, Please see Section N.10 **

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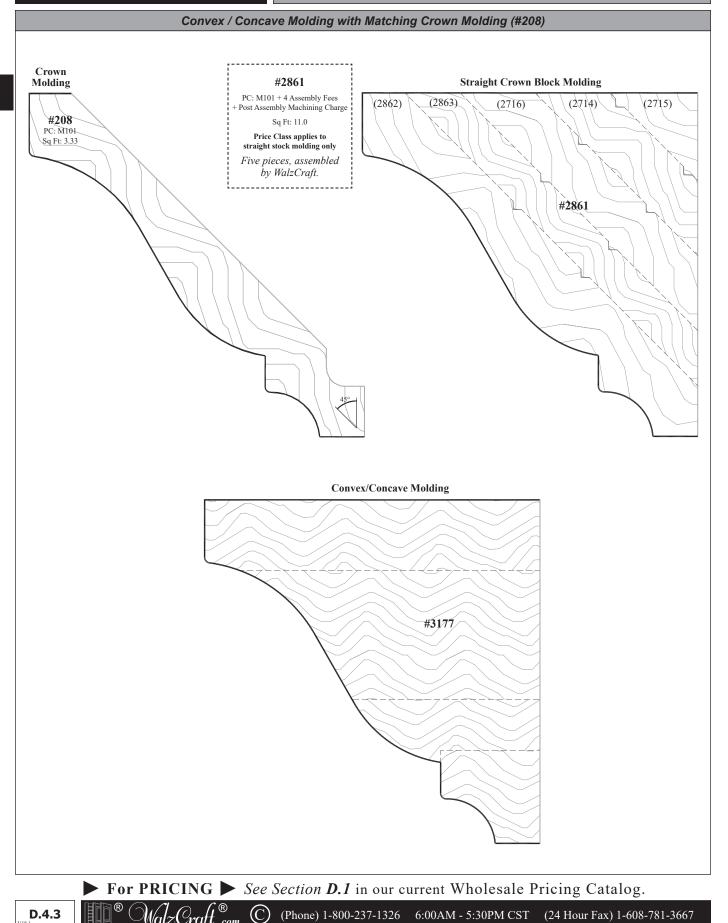
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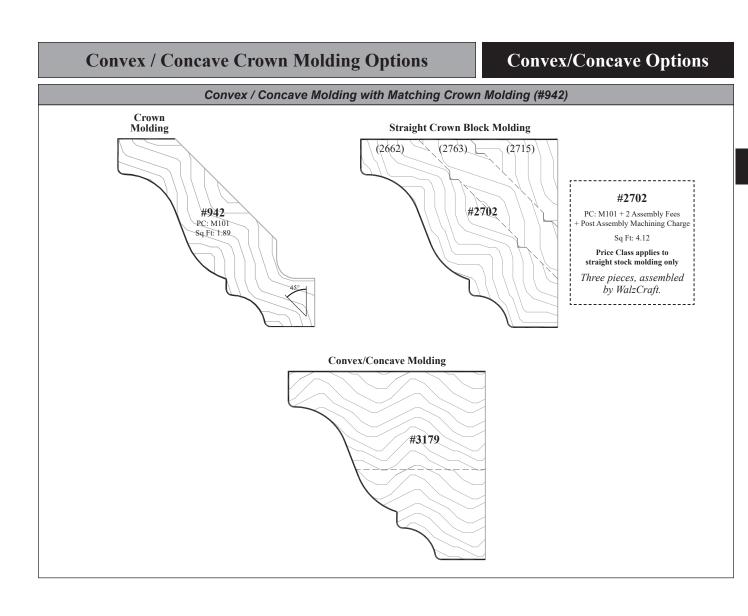






Convex / Concave Crown Molding Options



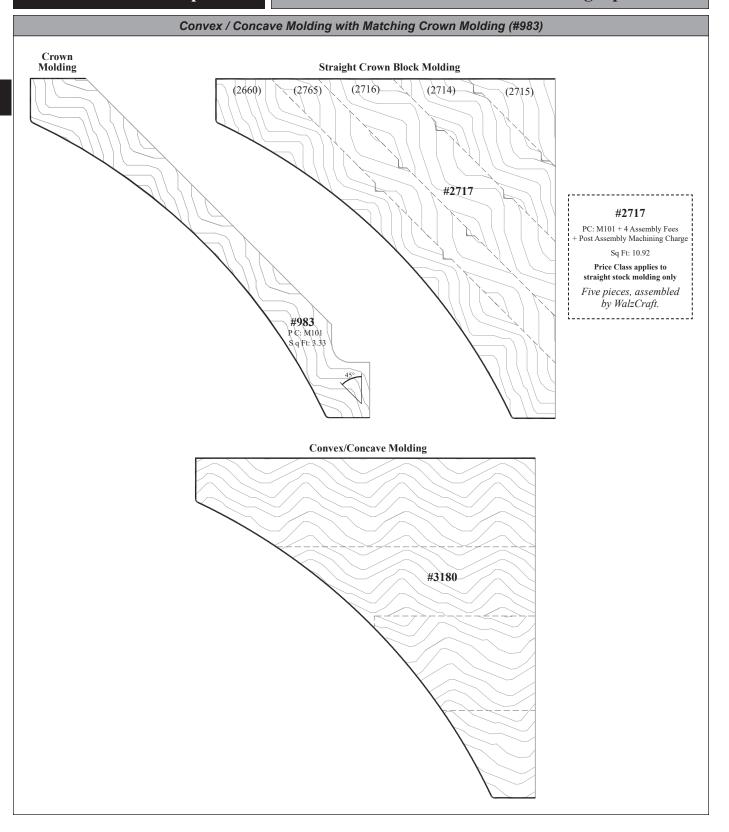


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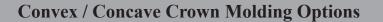
Convex / Concave Crown Molding Options

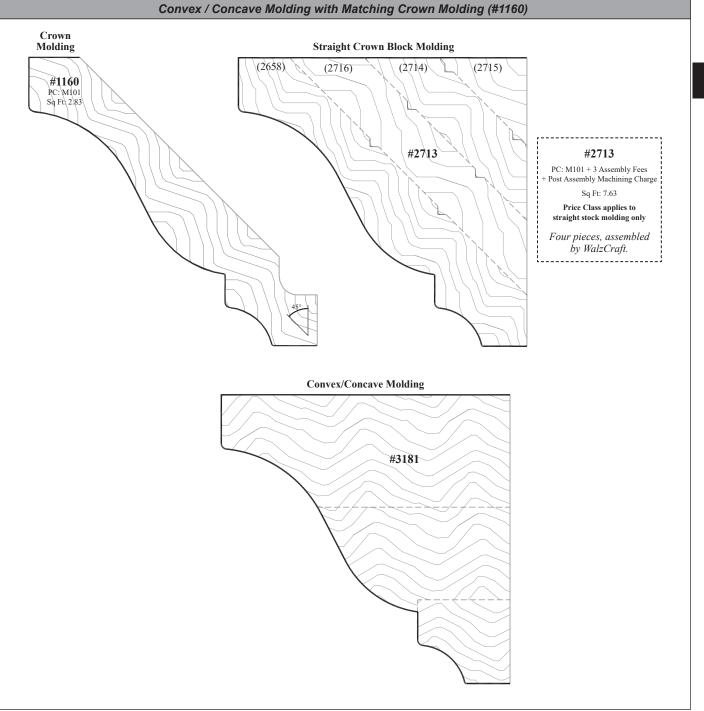


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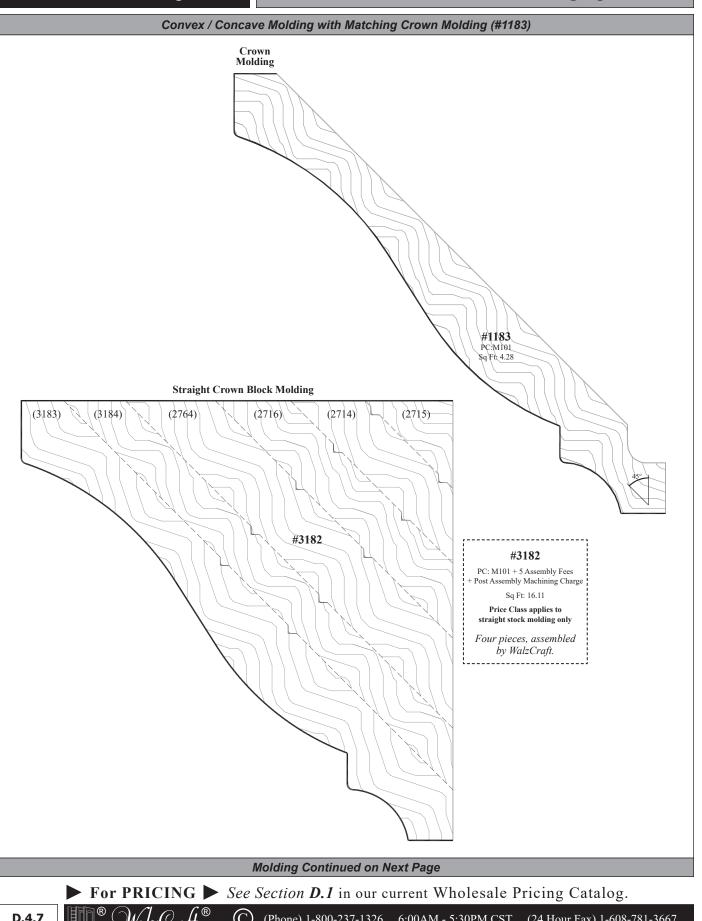
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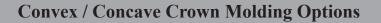
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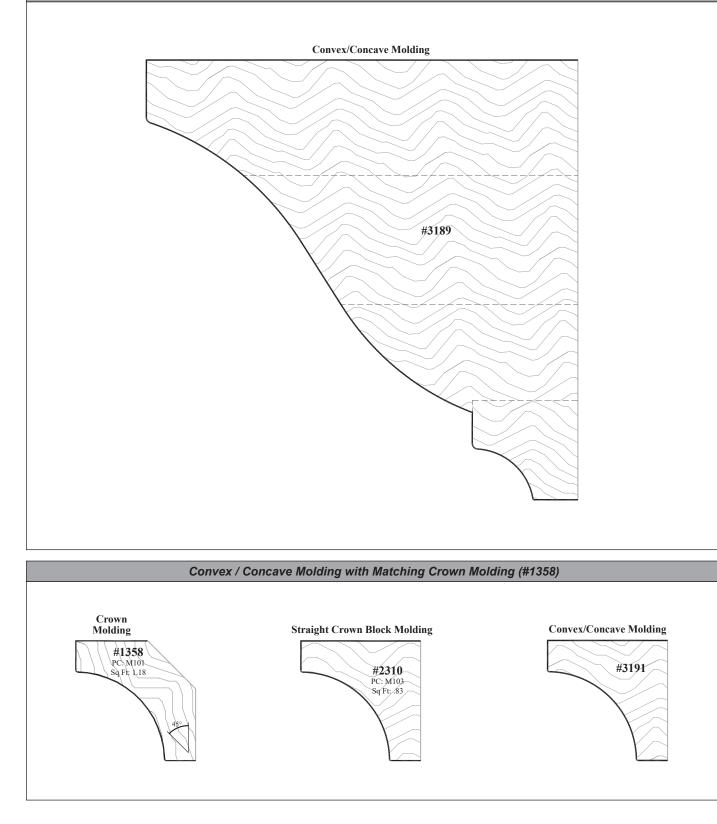


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Convex / Concave Molding with Matching Crown Molding (#1183)...continued



For PRICING See Section **D.1** in our current Wholesale Pricing Catalog.

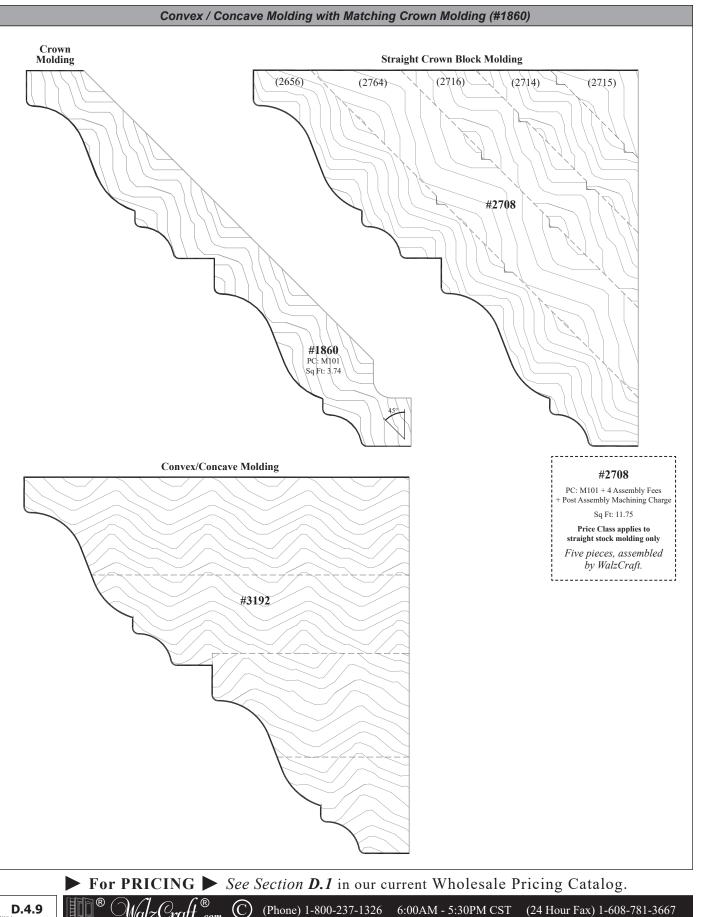
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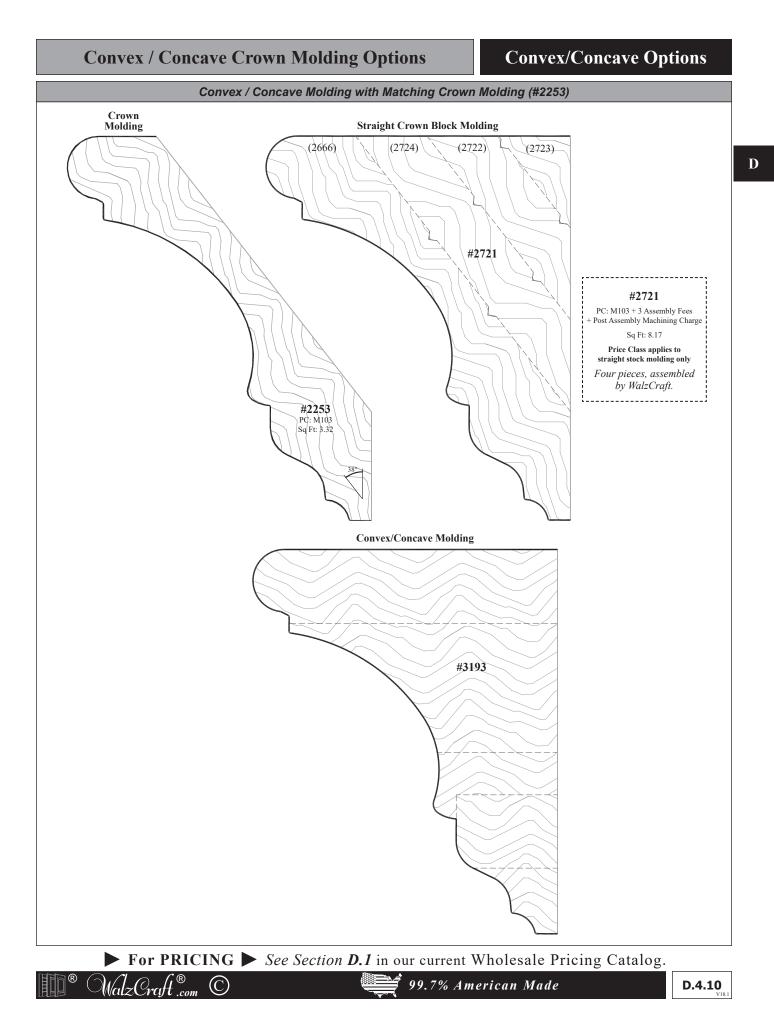
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Convex / Concave Crown Molding Options





Convex / Concave Crown Molding Options

Convex/Concave Molding with Matching Crown and Arched Canopy Molding			
Crown Molding	Straight Crown Block Molding	Arched Canopy Molding	Convex/Concave Molding
119	2309	3175	3176
208	2861	2864	3177
383	2705	2184	3178
942	2702	2179	3179
983	2717	2182	3180
1160	2713	2292	3181
1183	3182	3188	3189
1358	2310	3190	3191
1860	2708	2175	3192
2253	2721	2262	3193

	Ordering & Pricing Notes: Convex/Concave Molding			
	Ordering Guidelines			
1	Order Forms	Please use Curved Molding Order Form (E•Z Form #11.3).		
2	Ordering Information	When ordering, please provide:Molding cord length.Molding radius.		
	Pricing			
1	Pricing	Please see Section D.1 of our current Wholesale Pricing Catalog.		
1		A quote will be submitted to you for your approval prior to proceeding with your order.		

► For PRICING ► See Section D.1 in our current Wholesale Pricing Catalog.

Your Notes Page			Convex/Concave Options
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Convex/Concave - General Information

Convex/Concave Product Radii

WalzCraft offers all of the sizes listed below as standard radii for "Traditional", "Mitered", Raw MDF Style 500 and Veneered Style 60 Curved Products.

- All Radii are based on ³/₄" [19.1mm] thick doors.
- All Radii are calculated to the center of a $\frac{3}{4}$ " [19.1mm] thick door.
- (*) indicates the only radius options available for Door Styles 20, 30, 2000, 2020, 2500, 2525, 3000, 3030, 3500, 3535, 4000, 5000.
- These door styles also have a maximum rail width of 23".
- (**) See Notes Sizes/Dimensions
- Please refer to Sections E.9 E.11 for Mitered/French Mitered Profile options available on Curved Products.
 - C = Profile available on Curved doors. FM = Profile available on French Miter doors.
 - Door styles **10FM** and **10FM*** are only available in radii 12" and greater.

Standard Radii (Inches)	Standard Radii [Millimeters]	Maximum Chord Length	Minimum Chord Length
6 (Slab Only)	152.4 (Slab Only)		
9	228.6		
115/8 (12" to Face)**	295.3		
12 *	304.8	Half Circle	Evaluated On Per Order Ba
12 ¹ / ₂ (12" to Face)**	317.5	nuty curve	
15	381.0		
18 *	457.2		
21	533.4		
Standard Radii (Inches)	Standard Radii [Millimeters]	Maximum Chord Length	Minimum Chord Length
23 ⁵ / ₈ (24" to Face)**	600.0		
24 *	609.6		
24 ¹ / ₂ (24" to Face)**	622.3		
27	685.8		
30	762.0		
33	838.2		
36	914.4		
39	990.6		
42	1066.8		
45	1143.0		
48	1219.2		
51	1295.4		
54	1371.6		
57	1447.8		
60	1525.0	Quarter Circle	Evaluated On Per Order Ba
63	1600.2		
66	1676.4		
69	1752.6		
72	1828.8		
75	1905.0		
78	1981.2		
81	2057.4		
84	2133.6		
87	2209.8		
90	2286.0		
93	2362.2		
96	2438.4		
108	2743.2 3048.0		
120			
Standard Radii (Inches)	Standard Radii [Millimeters]	Maximum Chord Length	Minimum Chord Length
132	3352.8		
144	3657.6		
156	3962.4		
168	4267.2		
180	4572.0		
192	4876.8		
204	5181.6		
216	5486.4		
228	5791.2		
252	6400.8	14 54	Evaluated Or Dry Ord D
276	7010.4	14 Feet	Evaluated On Per Order Ba
300	7620.0		
324	8229.6		
348	8839.2		
372	9448.8		
396	10058.4		
420	10668.0		
444	11277.6		
468	11887.2		
492	12496.8 13106.4		
516	15100.4		

Convex/Concave - General Information

Convex/Concave Options

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Convex/Concave Molding with Matching Crown and Arched Canopy Molding			
Crown Molding	Straight Crown Block Molding	Arched Canopy Molding	Convex/Concave Molding
119	2309	3175	3176
208	2861	2864	3177
383	2705	2184	3178
942	2702	2179	3179
983	2717	2182	3180
1160	2713	2292	3181
1183	3182	3188	3189
1358	2310	3190	3191
1860	2708	2175	3192
2253	2721	2262	3193

	Ordering & Pricing Notes: Convex/Concave Products		
		Ordering Guidelines	
1	Order Forms	 Please use one of the following order forms where applicable: <i>Curved Door Order Form (E*Z Form #11).</i> <i>Curved Drawer Front Order Form (E*Z Form #11.1)</i> <i>Assembled Curved Face Frame Order Form (E*Z Form #11.2).</i> <i>Curved Molding Order Form (E*Z Form #11.3).</i> 	
2	Gap Dimension	The following information must be noted when placing an order for curved products: • The gap dimension between a pair of doors for Convex or Concave overlay. • The gap dimension between a door and face frame for Convex or Concave inset.	
	Pricing		
1	Pricing	Please see Section D.1 of our current Wholesale Pricing Catalog.	

	Technical Notes: Convex/Concave Products			
	Cabinet Door & Drawer Front Options (Chapter B)			
	Raised Panel Styles	 Door Styles 10, 10*, 10M, 10M*, 1000, 1010, 1010*, 1941, 2271, 2272, 2291L, 2291R, 8000, 8020, 8030, 8045, 8050. Vertical grain only. Available in all standard radii 9" or greater. Frame only and mullion lite pattern options in these door styles are also available. Only available with the following lite pattern options: LP001, LP108, LP109, LP110, LP118, LP128, LP131, LP143, LP146, LP147. 		
1		 Door Styles 20, 2000, 2020, 2500, 2525, 4000. Vertical grain only. Only available with a 12", 18" or 24" radius. Maximum rail width of 23", and not available with applied moldings. 		
		 Door styles 10FM, 10FM*. Vertical grain only. Available in all standard radii 12" or greater. Frame only and mullion lite pattern options in these door styles are also available. Only available with the following lite pattern options: LP001, LP108, LP109, LP110, LP118, LP128, LP131, LP143, LP146, LP147. Will be constructed with haunch and domino tenon joinery. Results in a visibly similar appearance to standard French Miter construction. Please see Sizes/Dimensions notes in Section B.7 for important information regarding stile & rail widths when using French Miter construction. 		
Continued on next page				

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		Technical Notes: Convex/Concave Productscontinued				
	Cabinet Door & Drawer Front Options (Chapter B)continued					
		Door Styles 40, 40*, 40M, 40M*, 3271, 3272, 3291L, 3291R, 4020, 4030, 4040, 4040*, 4041, 4043, 4044, 4045, 4150.				
	1⁄4" Flat Panel Styles	 Vertical or horizontal grain. Available in all standard radii 12" or greater. Frame only and mullion lite pattern options in these door styles are also available. Only available with the following lite pattern options: LP001, LP108, LP109, LP110, LP118, LP128, LP131, LP143, LP146, LP147. 				
2		Door styles 30 , 3000 , 3030 , 3500 , 3535 , 5000 . • Vertical or horizontal grain. • Only available with a 12", 18" or 24" radius. • Maximum rail width of 23", and not available with applied moldings.				
		 Door styles 40FM, 40FM*. Vertical or horizontal grain. Available in all standard radii 12" or greater. Frame only and mullion lite pattern options in these door styles are also available. Only available with the following lite pattern options: LP001, LP108, LP109, LP110, LP118, LP128, LP131, LP143, LP146, LP147. Will be constructed with haunch and domino tenon joinery. Results in a visibly similar appearance to standard French Miter construction. Please see Sizes/Dimensions notes in Section B.7 for important information regarding stile & rail widths when using French Miter construction. 				
3	Solid Wood Slab Styles	 Only available with styles 1270, 1270*, 34SQA* and 100SQE*. Vertical grain only. Available in all standard radii. The radius may be affected by expansion, contraction and moisture issues. Style #1270 doors are constructed with NO battens. Convex/Concave solid wood slab styles will carry no warranty against warpage. 				
4	Veneered MDF Slab Styles	 Only available with styles 60 and 60*. Vertical or horizontal grain. Available in all standard radii. Only available with Edgeband Treatment options EBT201, EBT201-R, EBT401 and EBT401-R. 				
5	Raw MDF Slab Styles	 Only available with styles 500 and 500*. Available in all standard radii. Also available with MDF - MR (Moisture Resistant), NAF, Raw. 				
		Convex/Concave Options (Chapter D)				
1	Identifying Curved Products	This symbol \underline{C} is used throughout the catalog to represent profiles and options that are available when ordering Convex/Concave products.				
		Design Options (Chapter G)				
1	Center Panel Face Routing	All Center Panel Face Rout options from <i>Section G.7</i> are available, but limited to Convex products only. • Center Panel Face Rout Patterns from <i>Section G.8</i> are not an available option for Convex/Concave products.				
2	Decorative Inserts	The Butterfly Insert (BI100) is not an option for a Curved Product.				
		Face Frame Options (Chapter J)				
		Convex/Concave Face Frames with a radius of 24" or greater will be constructed with Pocket Screw Joinery. Convex/Concave Face Frames with a radius under 24" will be constructed with Domino Tenon Joinery where all rails meet the stiles. • Pocket Screw joinery will be used where center stiles meet the rails.				
1	Face Frame Construction	 All face frame profile options (FS100-FS108) are available with assembled Convex/Concave face frames. Please see Section J.1 for additional profile information. WalzCraft does not offer individual face frame components (ie: top and/or bottom rail only) for use with Convex/Concave configurations. WalzCraft must assemble all Convex/Concave face frames, rather than the customer, because there is a high risk of individual components warping and/or twisting if left unassembled for any length of time. 				
		Convex/Concave face frames are not available Ready to Assemble (RTA).				
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Convex/Concave - General Information

Convex/Concave Options

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	Technical Notes: Convex/Concave Productscontinued			
	Finish Options (Chapter R)			
1	3D Laminate (RTF)	3D Laminate (RTF) is not an option for curved products.		
		Functional Options (Chapter F)		
1	Hinge Boring	Convex/Concave doors and drawer fronts are only available with HBP100 . Please see <i>Section F.1</i> for additional hinge boring requirements, ordering instructions and compatibility.		
		General Information (Chapter A)		
1	Ready to Assemble (RTA)	RTA is <i>not</i> available as an option.		
2	Warranty	Please see <i>Section A.8 - Warranties</i> for more information on Glued Up Panel expansion/contraction, warping, bowing and twisting.		
		Material Options		
1	Maple - Hard vs. Soft	For quality reasons, product requiring CNC machining will not be available in any Maple-Hard/Soft-Mixed species or Maple-Soft species. These items should instead be ordered in any of our Maple-Hard species.		
		Molding Options (Chapter N)		
1	Convex/Concave Crown Molding Profile Options	These Convex/Concave moldings and their matching crown moldings are also available in straight 8' [2438.4mm] lengths to use throughout your project.		
2	Drawing Scale	Convex/Concave moldings and matching crown moldings in <i>Section D.4</i> are drawn at "Full Scale".		
		Profile Options		
1	Center Panel Grain Direction Options	 WalzCraft prefers that ALL convex / concave solid wood slabs and solid wood center panels have a vertical grain direction, <i>including paint grades</i>, to help ensure quality and avoid any warping, cupping or twisting that may occur. ¼" [19.1mm] thick convex / concave raised panel doors use a 5%" [15.9mm] thick solid wood profiled center panel that will be flush with the stiles and rails on the face only. The center panel will be recessed below the stiles and rails on the back side of the door. Center panels with vertical grain are available in: ¼" [6.4mm] flat panel wood veneers Also available in MDF, Raw or MDF - MR (Moisture Resistant), NAF, Raw. ¾" [15.9mm] solid wood raised panels 		
		 */s" [9.5mm] solid wood RVSCP-PR324 (<i>Reversed Solid Center Panel</i>) profile Also available in MDF, Raw or MDF - MR (Moisture Resistant), NAF, Raw. Center panels with horizontal grain are available in: '/4" [6.4mm] Flat Panel wood veneer doors and drawer fronts. Only available for radii 12" [304.8mm] or greater. Only available for arc lengths 31½" [800mm] or less. Maximum interior visual opening height is 47½" [1197mm]. Style 60 Slab veneer doors 		
2	RAM Routs	 RAM Routs (<i>Section E.6</i>) are available on convex products only. Not available concave. Additional charges will apply. See <i>Section E.9</i> and <i>Section E.10</i> for convex / concave compatible miter profiles. See <i>Section N.5</i> and <i>Section N.13</i> for convex / concave compatible applied molding. 		
3	Pre-Finishing Options	Finishing Options for convex/concave doors or drawer fronts with Vertical grain on the center panel: • Stain Pre-finishing • Priming for Paint <i>only</i> • SolidTone® finish • SolidTone® WoodGrain Finishing Options for convex/concave doors or drawer fronts with Horizontal grain on the center panel:		
		 Finishing Options for convex/concave doors or drawer fronts with Horizontal grain on the center panel: Stain Pre-finishing SolidTone® WoodGrain 		
	Continued on next page			

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Convex/Concave - General Information

	Technical Notes: Convex/Concave Productscontinued				
		Sizes / Dimensions			
1	Thicknesses	Solid Wood: Convex/Concave doors and drawer fronts made from solid wood are available in ³ / ₄ " [19.1mm], 1" [25.4mm], 1 ¹ / ₈ " [28.6mm] and 1 ¹ / ₄ " [31.8mm] thicknesses, with some exceptions. See <i>Section S.3</i> for possible thickness restrictions based on wood species.			
		MDF, Raw: Convex/Concave doors and drawer fronts made from MDF, Raw are only available ³ / ₄ " [19.1mm] thick.			
2	Standard & Non-Standard Part Sizes	Stiles and rails for traditional doors, drawer fronts and face frames can be ordered from $1\frac{1}{2}$ " [38.1mm] wide to $4\frac{1}{2}$ " [114.3mm] wide, in $\frac{1}{4}$ " [6.4mm] increments and will not be subject to additional charges. Stiles and rails ordered in widths outside of these dimensions will incur a Non-Standard Part Size charge. See <i>Section A.5</i> for more information.			
2		Stiles and rails for mitered doors using any of the convex/concave compatible profiles from <i>Sections E.9</i> and <i>E.10</i> of the Product Specification Catalog are only available at the widths shown. Requests for widths other than those shown will be reviewed and may incur an upcharge.			
3	Door/Face Frame Max Height	Maximum height for doors and face frames is 96" [2438.4mm].			
4	6" and 9" Radii	6" and 9" radii options will incur upcharges above and beyond the chosen door style upcharges noted in <i>Section D.1</i> of the Wholesale Pricing Catalog .			
4	0 anu 9 Kaun	Due to the small size of parts with a 6" radius, additional charges may be incurred to construct fixtures to hold parts, or to use alternate sanding and assembly methods.			
		All radii are based on ³ / ₄ " [19.1mm] thick doors (or face frame when ordering a face frame only).			
		All radii are calculated to the center of a ³ / ₄ " [19.1mm] thick door (or face frame when ordering a face frame only).			
		 11⁵/₈" [295.3mm], 12¹/₂" [317.5mm], 23⁵/₈" [600.1mm], 24¹/₂" [622.3mm] radii only available convex. These radii are not available on doors with shaped rails (ex: Door Style 20). 			
		11⁵/ ⁸ " [295.3mm] Radius : When ordering a face frame only or an inset/prefit door and face frame, a 11 ⁵ / ₈ " [295.3mm] radius will give you a 12" [304.8mm] radius at the face of the face frame when the face frame is ³ / ₄ " [19.1mm] thick.			
5	(**) Convex Product Radii 115/8", 121/2", 235/8", 241/2"	12¹/ ¹ / ₂ [317.5mm] Radius: When ordering a door only or a door and face frame, a 12 ¹ / ₂ [317.5mm] radius will give you a 12 ¹ [304.8mm] radius at the face of the face frame when the door and face frame are ³ / ₄ [19.1mm] thick and the gap between the door and face frame is ¹ / ₈ [3.8mm].			
		23%" [600.1mm] Radius : When ordering a face frame only or an inset/prefit door and face frame, a 23%" [600.1mm] radius will give you a 24" [609.6mm] radius at the face of the face frame when the face frame is ³ / ₄ " [19.1mm] thick.			
		24½" [622.3mm] Radius: When ordering a door only or a door and face frame, a 24½" [622.3mm] radius will give you a 24" [609.6mm] radius at the face of the face frame when the door and face frame are ³ / ₄ " thick and the gap between the door and face frame is ¹ / ₈ " [3.8mm].			
		See Section D.2 for more information on convex products.			
6	Maximum Rail Size	The maximum rail height for Convex/Concave doors and drawer fronts is 13".			
	Convex/Concave - General Information - END				

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