

Ultimate Swinging French Doors 2 1/4" Arch Top

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Standard Unit Measurements and Spring Line Measurements

Standard Inswing and Outswing Unit Measurements													
Width													
Unit Type	Call Number	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	ft-in	mm
1 Panel	2-6	2-7 15/16	(811)	2-8 7/16	(824)	2-7 7/16	(799)	2-5 1/16	(738)	1-5 3/32	(434)	1-6 13/32	(468)
	2-8	2-9 15/16	(862)	2-10 7/16	(875)	2-9 7/16	(849)	2-7 1/16	(789)	1-7 3/32	(485)	1-8 13/32	(518)
	3-0	3-1 15/16	(964)	3-2 7/16	(976)	3-1 7/16	(951)	2-11 1/16	(891)	1-11 3/32	(587)	2-0 13/32	(620)
2 Panel	5-0	5-1 1/8	(1553)	5-1 5/8	(1565)	5-0 5/8	(1540)	2-5 1/16	(738)	1-5 3/32	(434)	1-6 13/32	(468)
	5-4	5-5 1/8	(1654)	5-5 5/8	(1667)	5-4 5/8	(1641)	2-7 1/16	(789)	1-7 3/32	(485)	1-8 13/32	(518)
	6-0	6-1 1/8	(1857)	6-1 5/8	(1870)	6-0 5/8	(1845)	2-11 1/16	(891)	1-11 3/32	(587)	2-0 13/32	(620)
Height													
Unit Type	Call Number	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	ft - in	mm
All Configurations	8-0	7-11 3/4	(2432)	8-0	(2438)	7-11 1/2	(2426)	7-8 1/2	(2350)	6-6 3/8	(1991)	6-7 11/16	(2024)
	10-0	9-11 3/4	(3042)	10-0	(3048)	9-11 1/2	(3035)	9-8 1/2	(2959)	8-6 3/8	(2600)	8-7 11/16	(2634)

RT6 - Spring Line Measurements								
RO Radius Width for X = 3 - 4 1/2" (1029)								
RO Radius Width for XX = 6 - 0 1/2" (1842)								
CN	Rough Opening		Rough Opening Springline		Frame Size		Frame Size Springline	
	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm
2680	8-0	(2438)	7-8 5/8	(2353)	7-11 1/2	(2426)	7-8 9/32	(2344)
26100	10-0	(3048)	9-8 5/8	(2962)	9-11 1/2	(3035)	9-8 9/32	(2954)
2880	8-0	(2438)	7-8 3/16	(2342)	7-11 1/2	(2426)	7-7 27/32	(2333)
28100	10-0	(3048)	9-8 3/16	(2951)	9-11 1/2	(3035)	9-7 27/32	(2942)
3080	8-0	(2438)	7-7 1/8	(2315)	7-11 1/2	(2426)	7-6 27/32	(2308)
30100	10-0	(3048)	9-7 1/8	(2924)	9-11 1/2	(3035)	9-6 27/32	(2917)
5080	8-0	(2438)	7-5 1/8	(2264)	7-11 1/2	(2426)	7-4 13/16	(2256)
50100	10-0	(3048)	9-5 1/8	(2873)	9-11 1/2	(3035)	9-4 13/16	(2865)
5480	8-0	(2438)	7-4 1/8	(2238)	7-11 1/2	(2426)	7-3 27/32	(2231)
54100	10-0	(3048)	9-4 1/8	(2848)	9-11 1/2	(3035)	9-3 27/32	(2841)
6080	8-0	(2438)	7-1 15/16	(2183)	7-11 1/2	(2426)	7-1 43/64	(2176)
60100	10-0	(3048)	9-1 15/16	(2792)	9-11 1/2	(3035)	9-1 43/64	(2786)

RT2 - Spring Line Measurements								
CN	Rough Opening		Rough Opening Springline		Frame Size		Frame Size Springline	
	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm
2680	8-0	(2438)	6-7 3/4	(2026)	7-11 1/2	(2426)	6-7 25/32	(2026)
26100	10-0	(3048)	8-7 3/4	(2635)	9-11 1/2	(3035)	8-7 25/32	(2636)
2880	8-0	(2438)	6-6 3/4	(2000)	7-11 1/2	(2426)	6-6 25/32	(2001)
28100	10-0	(3048)	8-6 3/4	(2610)	9-11 1/2	(3035)	8-6 25/32	(2611)
3080	8-0	(2438)	6-4 3/4	(1949)	7-11 1/2	(2426)	6-4 25/32	(1950)
30100	10-0	(3048)	8-4 3/4	(2559)	9-11 1/2	(3035)	8-4 25/32	(2560)
5080	8-0	(2438)	5-5 3/16	(1656)	7-11 1/2	(2426)	5-5 3/16	(1656)
50100	10-0	(3048)	7-5 3/16	(2265)	9-11 1/2	(3035)	7-5 3/16	(2265)
5480	8-0	(2438)	5-3 3/16	(1605)	7-11 1/2	(2426)	5-3 3/16	(1605)
54100	10-0	(3048)	7-3 3/16	(2215)	9-11 1/2	(3035)	7-3 3/16	(2215)
6080	8-0	(2438)	4-11 3/16	(1503)	7-11 1/2	(2426)	4-11 3/16	(1503)
60100	10-0	(3048)	6-11 3/16	(2113)	9-11 1/2	(3035)	6-11 3/16	(2113)

Certified Sizes and Ratings

Certified Sizes and Ratings - Ultimate Inswing French Door 2 1/4"								
Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Testing	Design Pressure (DP)	Overall Width	Overall Height	# of Panels
Ultimate Inswing French Door 2 1/4inch 30100 (O)	1.57	8.25	+82.5/-97.5	LC-PG55-FD	+55/-65	37.438	119.5	1
Ultimate Inswing French Door 2 1/4inch 60100 (XX)	1.57	8.25	+82.5/-97.5	LC-PG55-FD	+55/-65	72.625	119.5	2
Ultimate Inswing French Door 2 1/4inch IZ3 30100 (O)	1.57	8.25	+82.5/-97.5	LC-PG55-FD	+55/-65	37.438	119.5	1
Ultimate Inswing French Door 2 1/4inch IZ3 60100 (XX)	1.57	8.25	+82.5/-97.5	LC-PG55-FD	+55/-65	72.625	119.5	2

NOTE: Maximum height for IZ3 and IZ4 Doors with Low E1, ERS, ELR, Special SDLS, GBG is 115 7/8" (2966).
For CE ratings, please refer to CE Performance chapter.

Certified Sizes and Ratings - Ultimate Outswing French Door 2 1/4"								
Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Overall Width	Overall Height	# of Panels
Ultimate Outswing French Door 2 1/4inch 30100 (O)	1.57	8.25	+82.5/-97.5	LC-PG55-FD	+55/-65	37.438	119.5	1
Ultimate Outswing French Door 2 1/4inch 60100 (XX)	1.57	8.25	+82.5/-97.5	LC-PG55-SHD	+55/-65	72.625	119.5	2
2 1/4" Clad Outswing French Door IZ3 30100 (O)	1.57	8.25	+82.5/-97.5	LC-PG55-FD	+55/-65	37.438	119.5	1
2 1/4" Clad Outswing French Door IZ3 60100 (XX)	1.57	8.25	+82.5/-97.5	LC-PG55-SHD	+55/-65	72.625	119.5	2
Ultimate Outswing French Door 2 1/4inch IZ4 30100 (O)	1.57	9.75	+97.5/-102.5	LC-PG65-SHD	+65/-70	37.438	119.5	1
Ultimate Outswing French Door 2 1/4inch IZ4 60100 (XX)	1.57	9.75	+97.5/-102.5	LC-PG65-FD	+65/-70	72.625	119.5	2

NOTE: Maximum height for IZ3 and IZ4 Doors with Low E1, ERS, ELR, Special SDLS, GBG is 115 7/8" (2966).
Impact rated products not available with CE mark.

Minimum Maximum Guidelines / Measurement Conversions

Minimum and Maximum Guidelines									
Unit Configurations		Frame Size							
		Min Width		Min Height		Max Width		Max Height	
		in	mm	in	mm	in	mm	in	mm
1 - Panel Stationary	RT2	20 5/16	(516)	25 29/64	(647)	37 7/16	(951)	119 1/2	(3035)
	RT6	29 9/16	(751)	22 27/32	(580)	37 7/16	(951)	119 1/2	(3035)
1 - Panel Operator	RT2	20 5/16	(516)	74 39/64	(1895)	37 7/16	(951)	119 1/2	(3035)
	RT6	29 9/16	(751)	72 5/16	(1837)	37 7/16	(951)	119 1/2	(3035)
2 - Panel Operator	RT2	45 1/2	(1156)	70 5/16	(1786)	72 5/8	(1845)	119 1/2	(3035)
	RT6	56 7/8	(1445)	70 5/16	(1786)	72 5/8	(1845)	119 1/2	(3035)

2 1/4" Arch Top Extended Sizes					
Unit Configurations		Frame Size			
		Max Width		Max Height	
		in	mm	in	mm
1 - Panel Stationary		53 1/2	(1359)	119.5	(3035)
1 - Panel Operator		44 3/8	(1127)	119.5	(3035)
2 - Panel Operator		86 1/2	(2197)	119.5	(3035)

Unit Measurements Conversions		Width				Height	
From	To	in	mm			in	mm
Rough Opening							
OM of Frame	Rough Opening	+ 1	(25)			+ 1/2	(13)
Masonry Opening	Rough Opening	+ 1/2	(13)			+ 1/4	(06)
Masonry Opening w/BMC	Rough Opening	-2 1/8	(54)			-1 1/16	(27)
Operating Panel							
OM of Frame	OM of Panel (x1)	-2 3/8	(60)			-3	(76)
OM of Frame	OM of Panel (x2)	-2 1/2	(64)	÷	2	-3	(76)
Daylight Opening	OM of Panel	+ 11 31/32	(304)			+ 14 1/8	(359)
Glass							
Daylight Opening	Glass	+ 1 5/16	(33)			+ 1 5/16	(33)

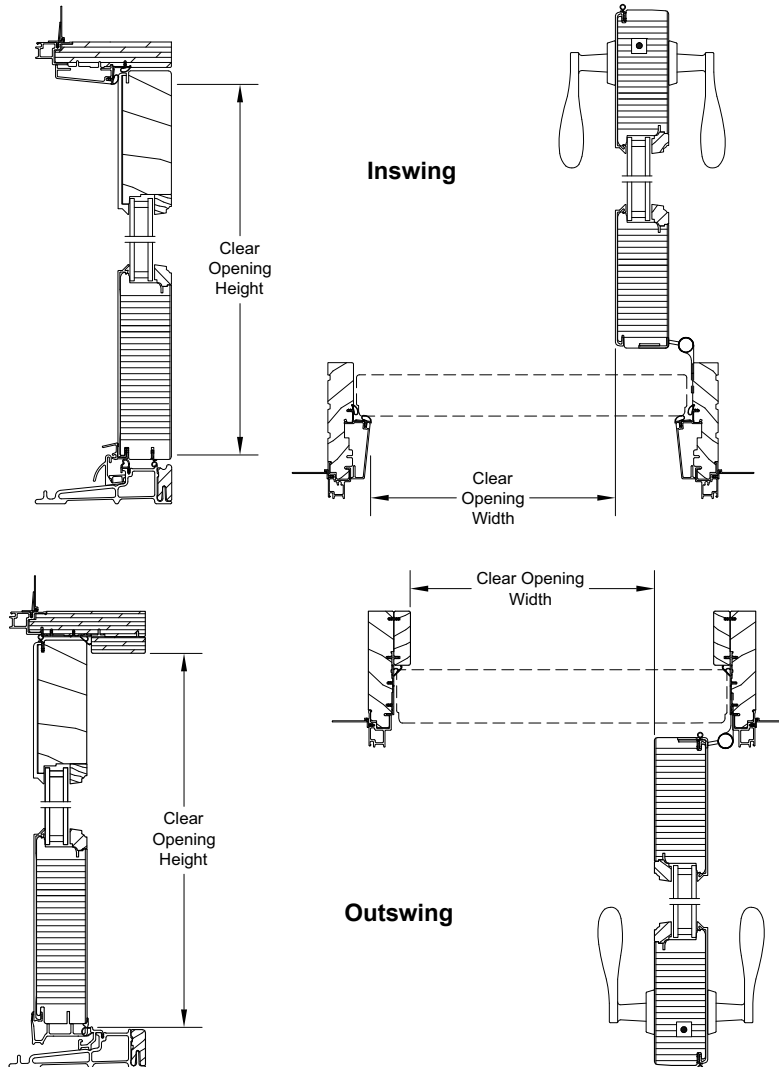
NOTE: 1-Panel Standard R.O. Radius 40 1/2" (1029) 2-Panel Standard R.O. Radius 72 1/2" (1842)

Net Clear Opening

Scale: 1 1/2" = 1'

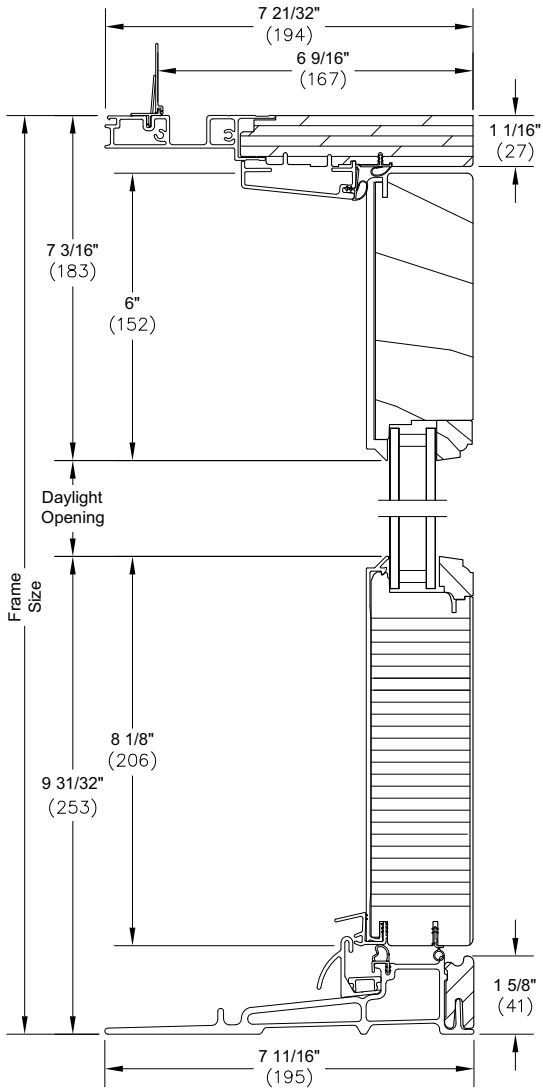
Net Clear Opening Ultimate Inswing French Door 2 1/4" Width			
Unit Type	Call Number	Net Clear Openings	
		ft-in	mm
1 Panel	2-6	2-1 15/32	(647)
	2-8	2-3 15/32	(698)
	3-0	2-7 15/32	(799)
2 Panel	5-0	4-4 3/16	(1325)
	5-4	4-8 3/16	(1427)
	6-0	5-4 3/16	(1630)
Height			
Unit Type	Call Number	Net Clear Openings	
		ft - in	mm
All Configurations At Springline	8-0	7-7 23/32	(2329)
	10-0	9-7 23/32	(2939)

Net Clear Opening Ultimate Outswing French Door 2 1/4" Width			
Unit Type	Call Number	Net Clear Openings	
		ft-in	mm
1 Panel	2-6	2-1 15/32	(647)
	2-8	2-3 15/32	(698)
	3-0	2-7 15/32	(799)
2 Panel	5-0	4-4 3/16	(1325)
	5-4	4-8 3/16	(1427)
	6-0	5-4 3/16	(1630)
Height			
Unit Type	Call Number	Net Clear Openings	
		ft - in	mm
All Configurations At Springline	8-0	7-8 1/8	(2340)
	10-0	9-8 1/8	(2950)

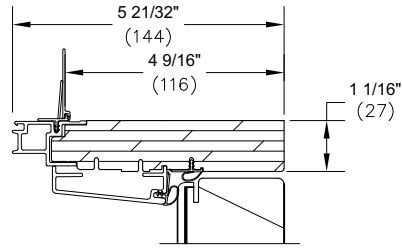


Inswing Section Details: Operating

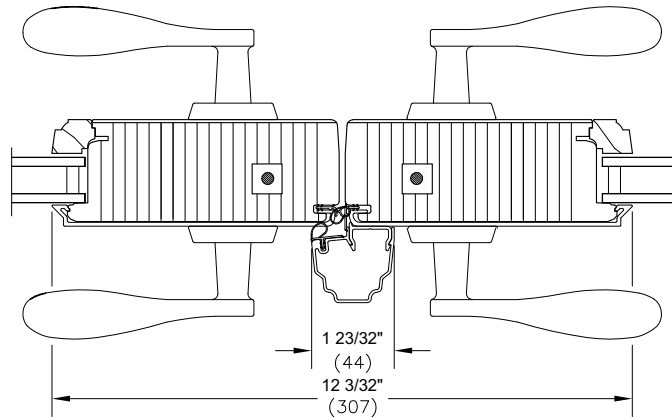
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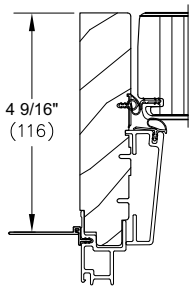
Head Jamb and Sill



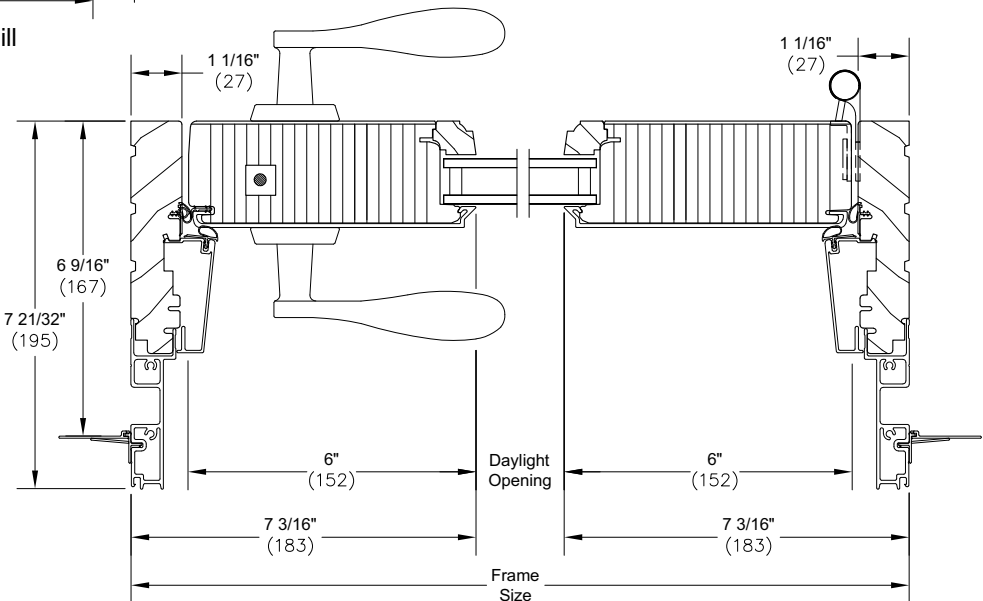
4 9/16" Head Jamb



XX L Meeting Stiles



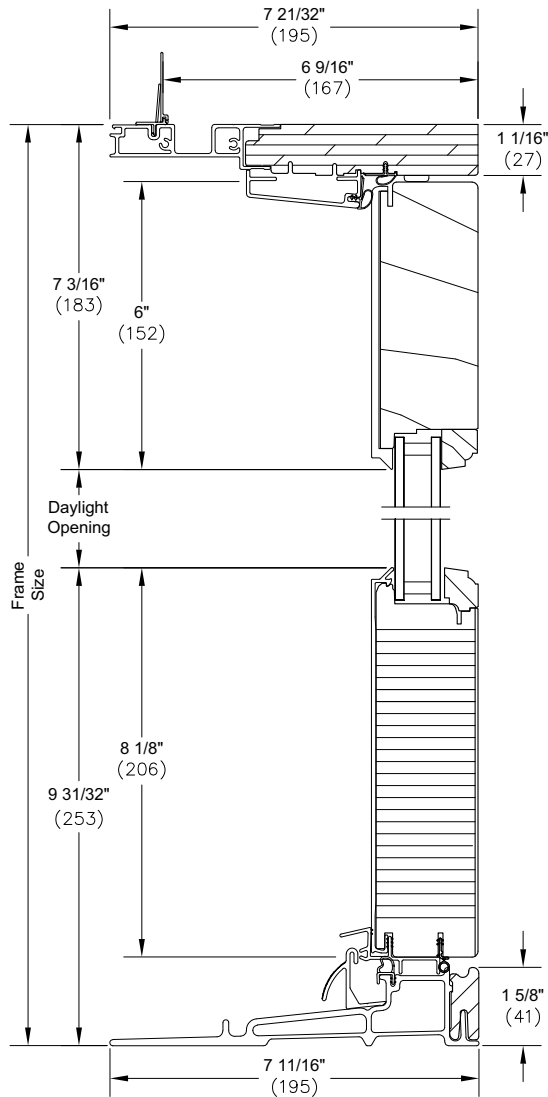
4 9/16" Jamb RT2



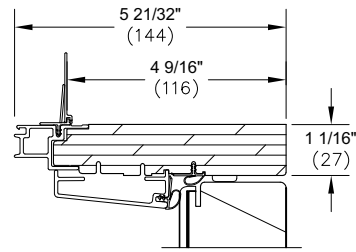
X R Jamb - RT6

Inswing Section Details: Stationary and Sidelite

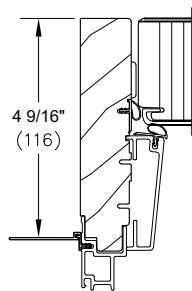
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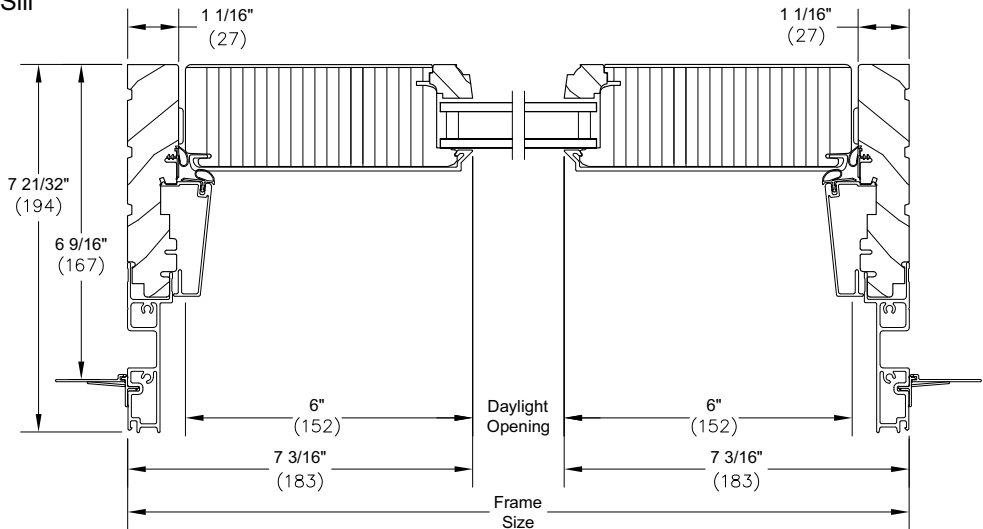
Head Jamb and Sill



4 9/16" Head Jamb



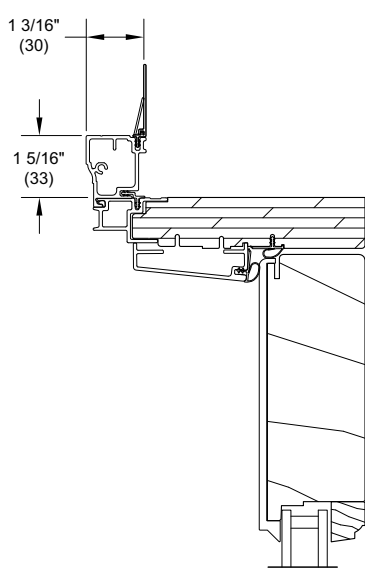
4 9/16" Jamb RT2



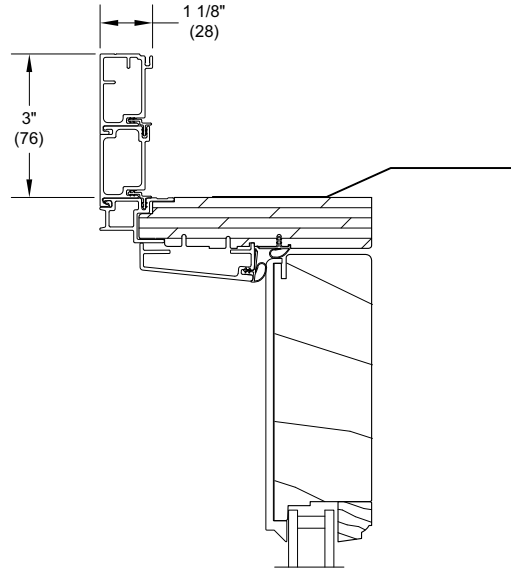
O Jamb - RT6

Inswing Section Details: Casing Options

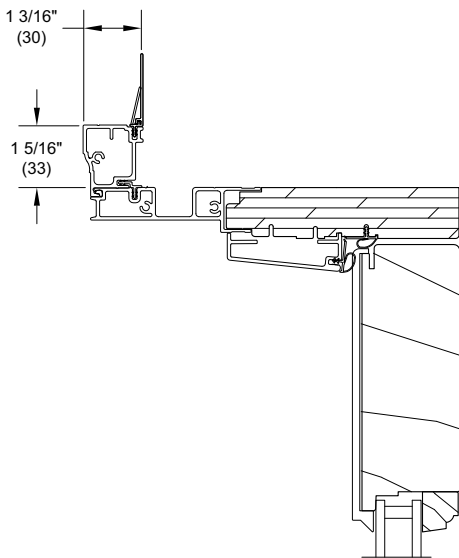
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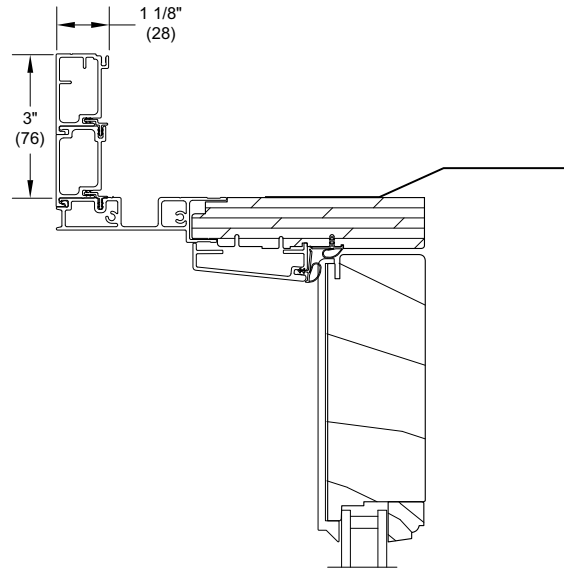
4 9/16" Head Jamb with
Clad Brick Mould Casing



4 9/16" Head Jamb with
Clad Flat Casing



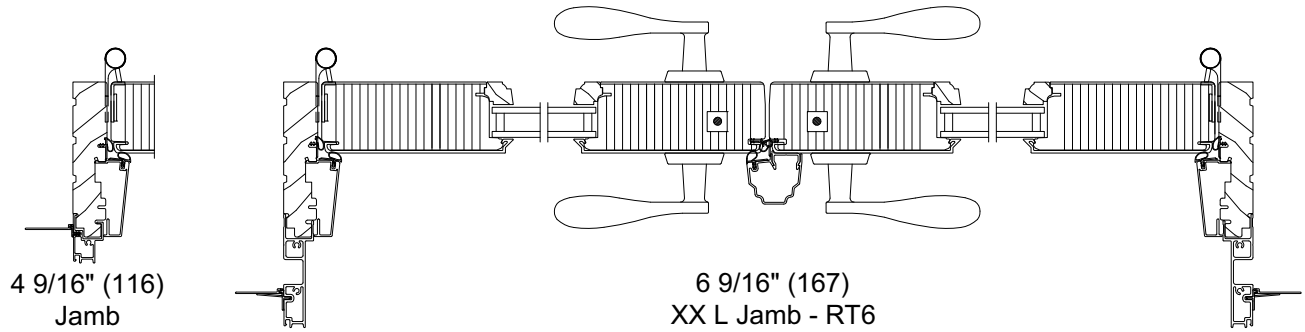
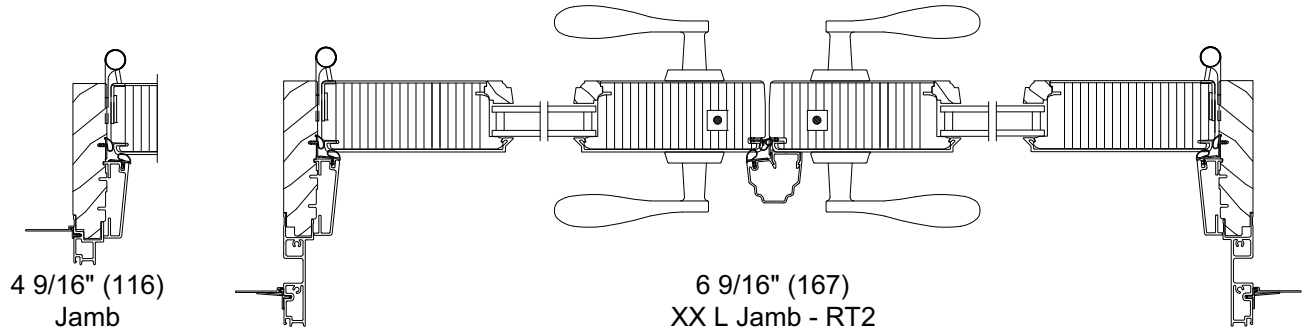
6 9/16" Head Jamb with
Clad Brick Mould Casing



6 9/16" Head Jamb with
Clad Flat Casing

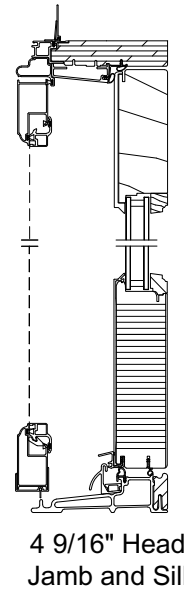
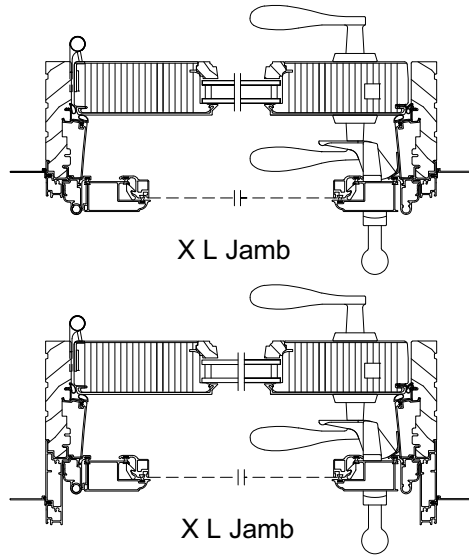
Inswing Section Details: Panel Configurations

Not to Scale



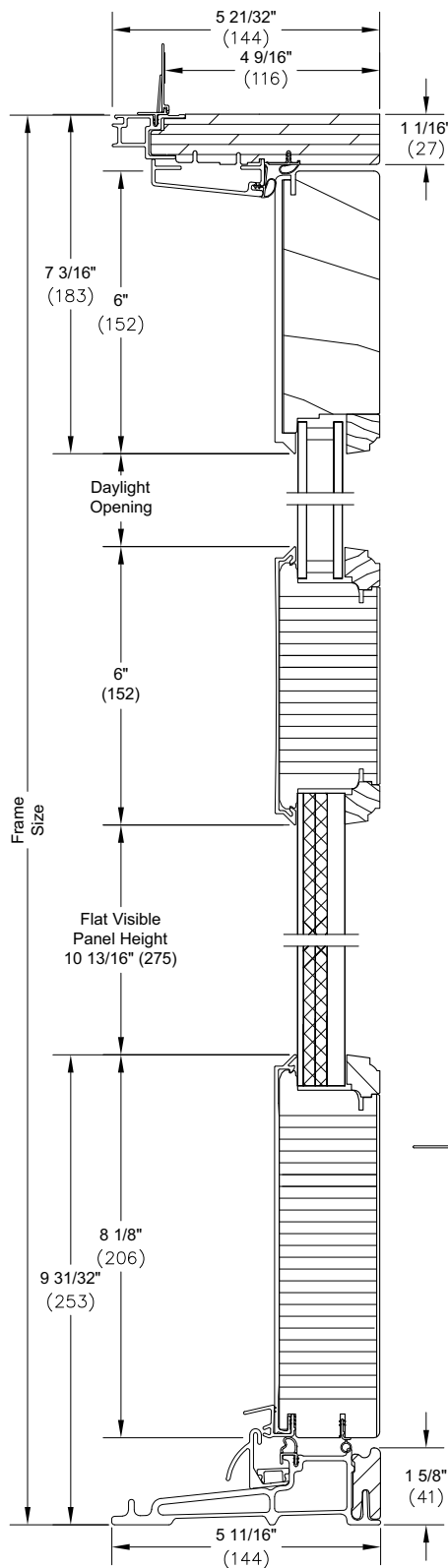
Inswing Section Details: Ultimate Swinging Screens

Not to Scale

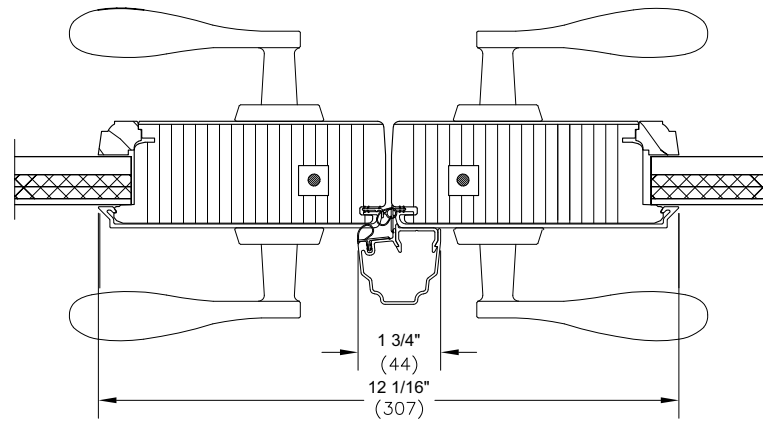


Inswing Section Details: Flat Panel Placement

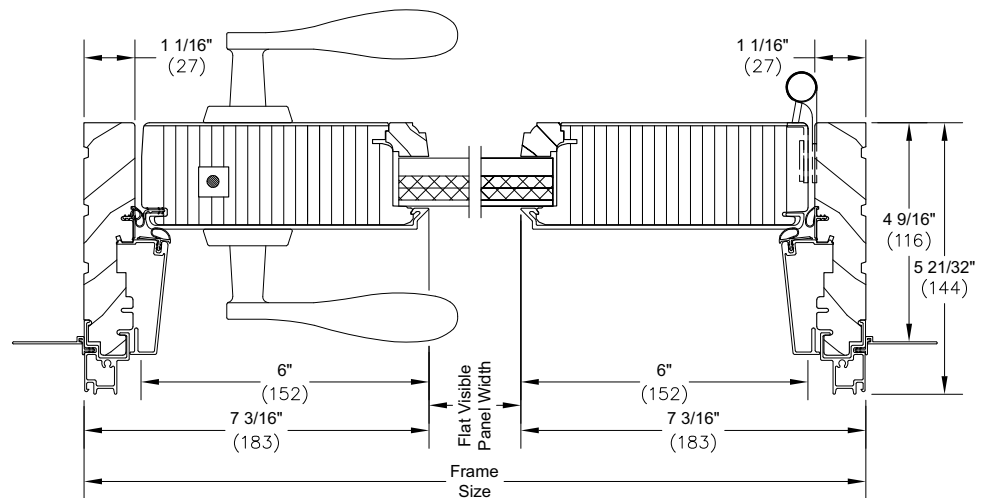
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Head Jamb and Sill



XX L Meeting Stiles

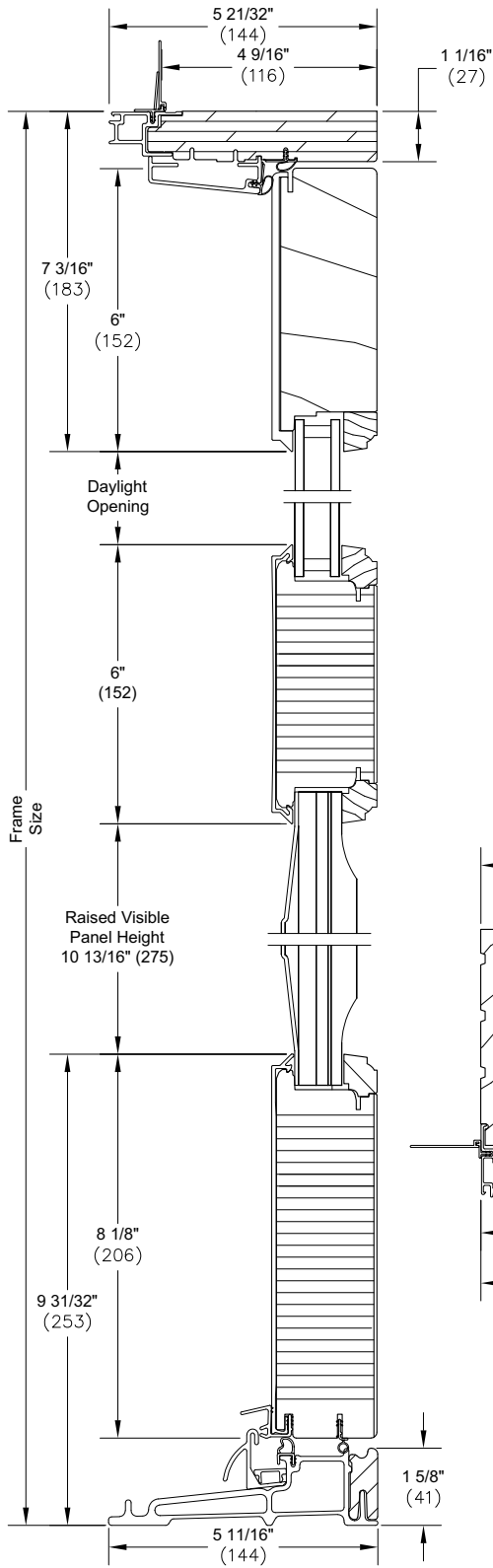


X R Jamb - RT6

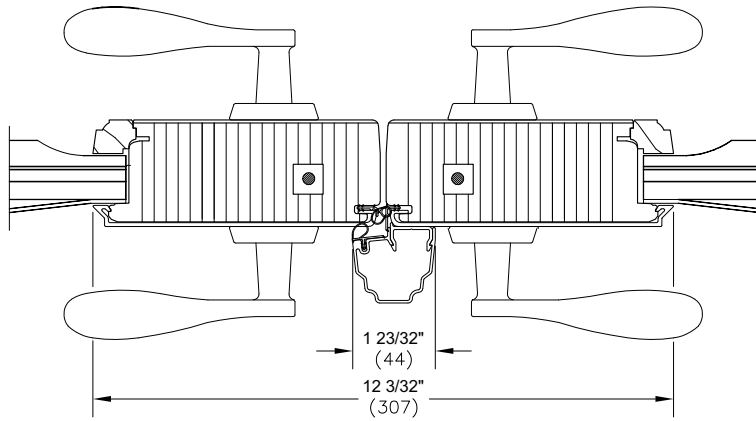
NOTE: *Ultimate Inswing French Door 2 1/4" Arch Top with flat panels are not available with CE mark.*

Inswing Section Details: Raised Panel Placement

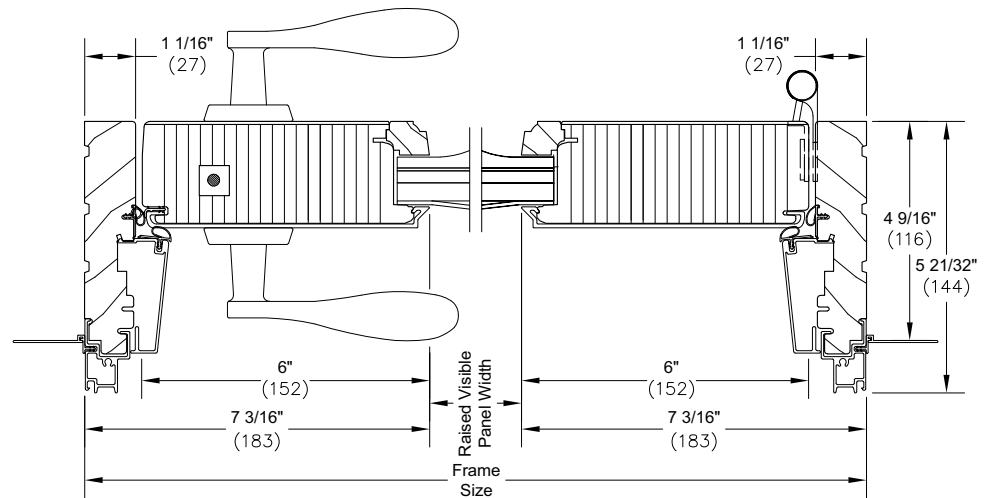
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Head Jamb and Sill



XX L Meeting Stiles

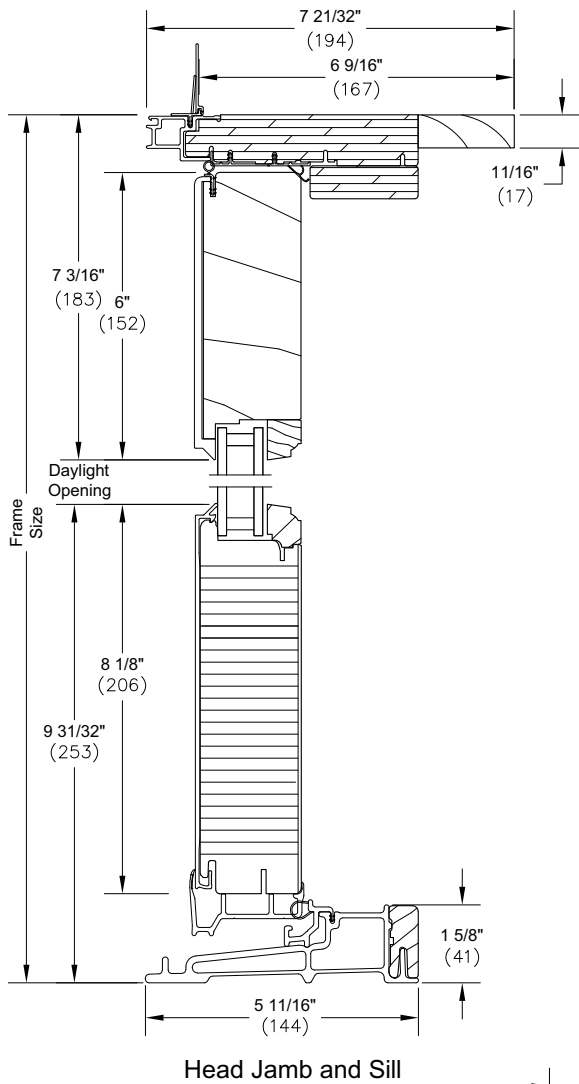


X R Jamb - RT6

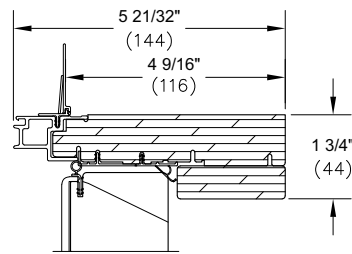
NOTE: 2 1/4" Clad Ultimate Arch Top Inswing French Door with raised panels are not available with CE mark.

Outswing Section Details: Operating

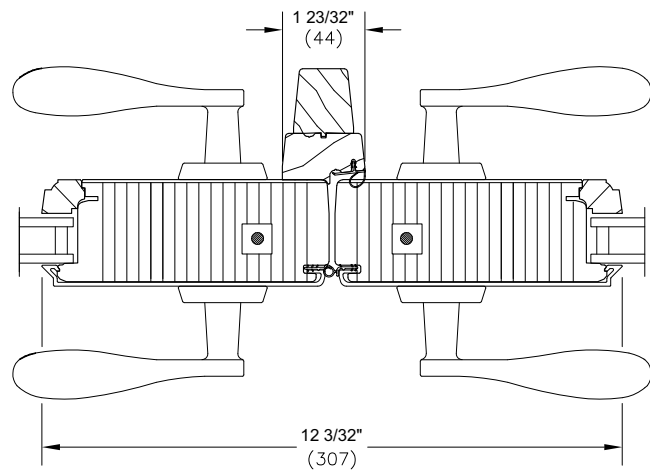
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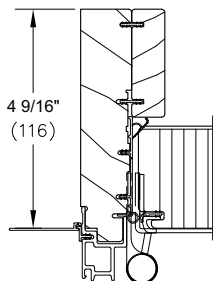
Head Jamb and Sill



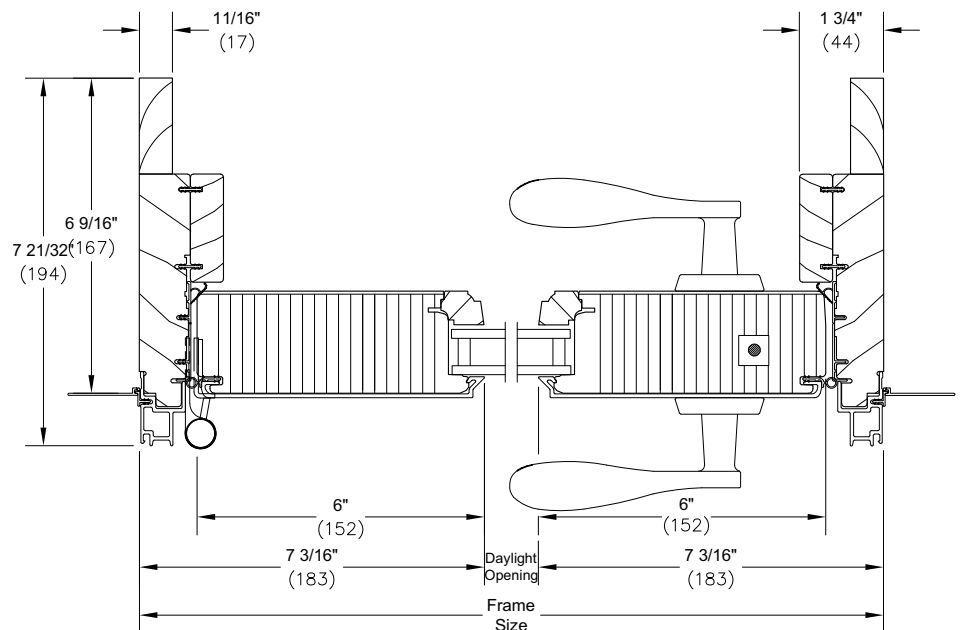
4 9/16" Head Jamb



XX L - Meeting Stiles



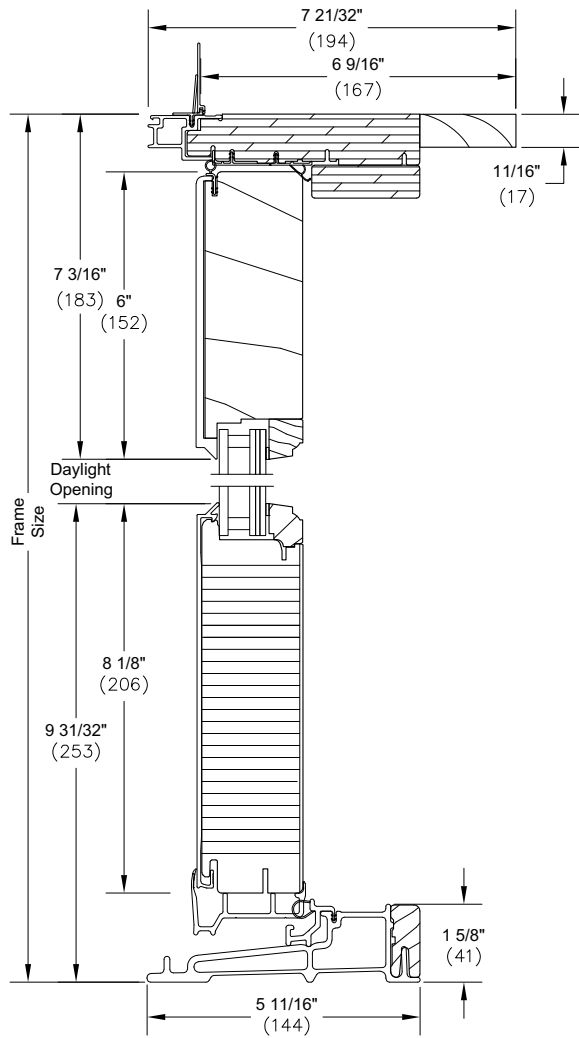
**4 9/16" Jamb
RT2 & RT6**



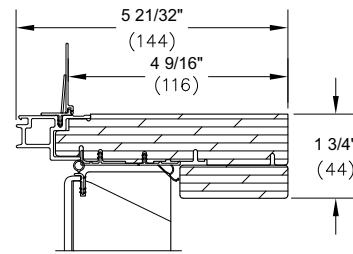
X R - Jamb - RT2 & RT6

Outswing Section Details: IZ3 / IZ4

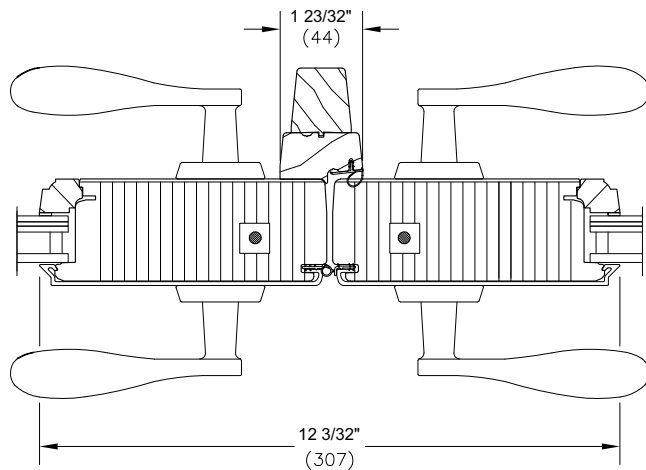
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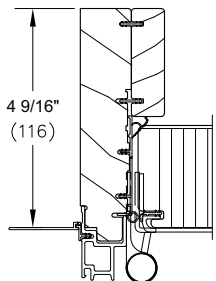
Head Jamb and Sill



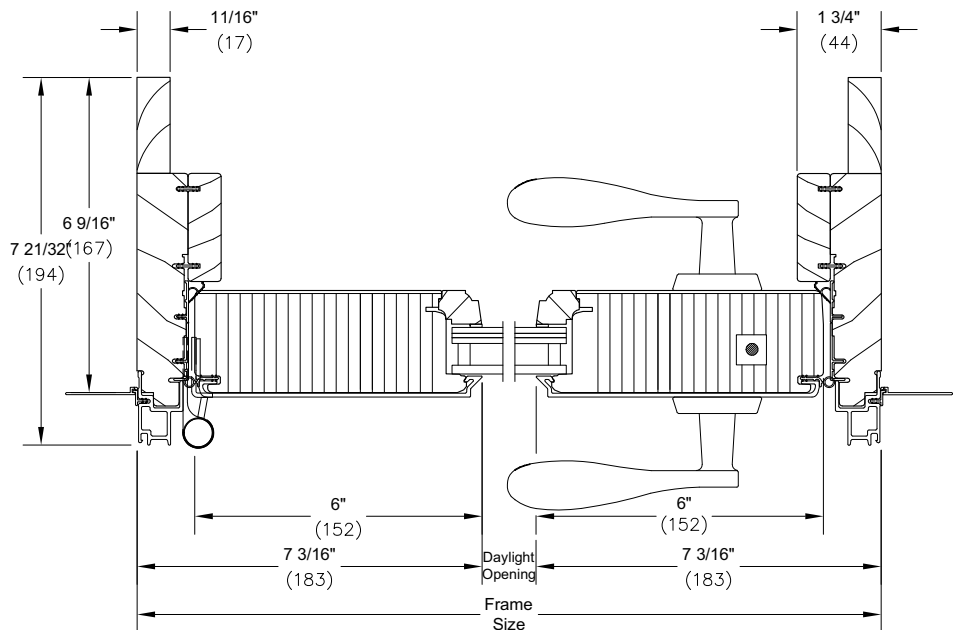
4 9/16" Head Jamb



XX L - Meeting Stiles



**4 9/16" Jamb
RT2 & RT6**

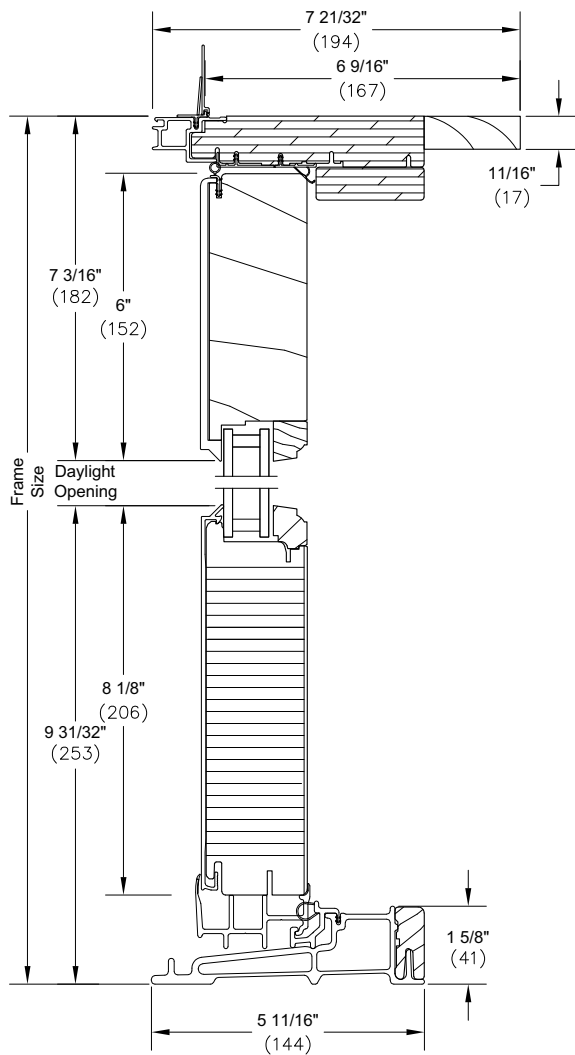


X R - Jamb - RT2 & RT6

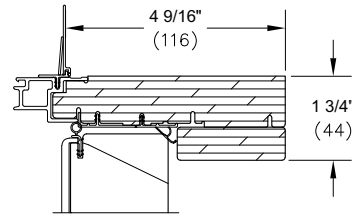
NOTE: IZ3 rated products not available with CE mark.

Outswing Section Details: Stationary and Sidelite

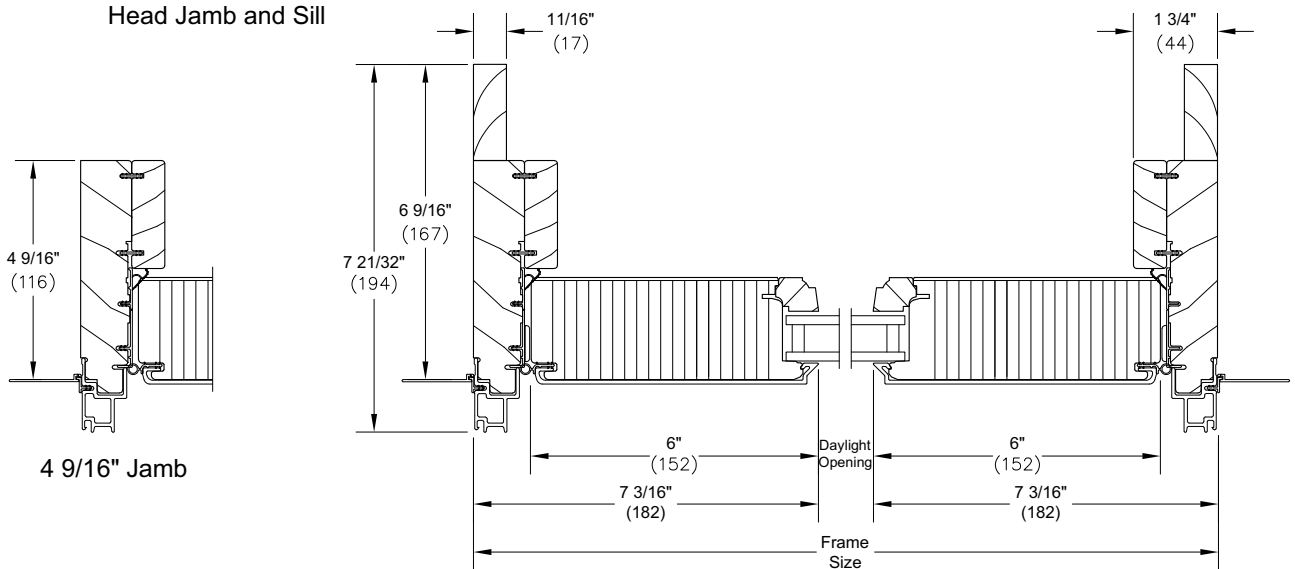
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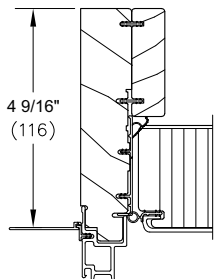
Head Jamb and Sill



4 9/16" Head Jamb



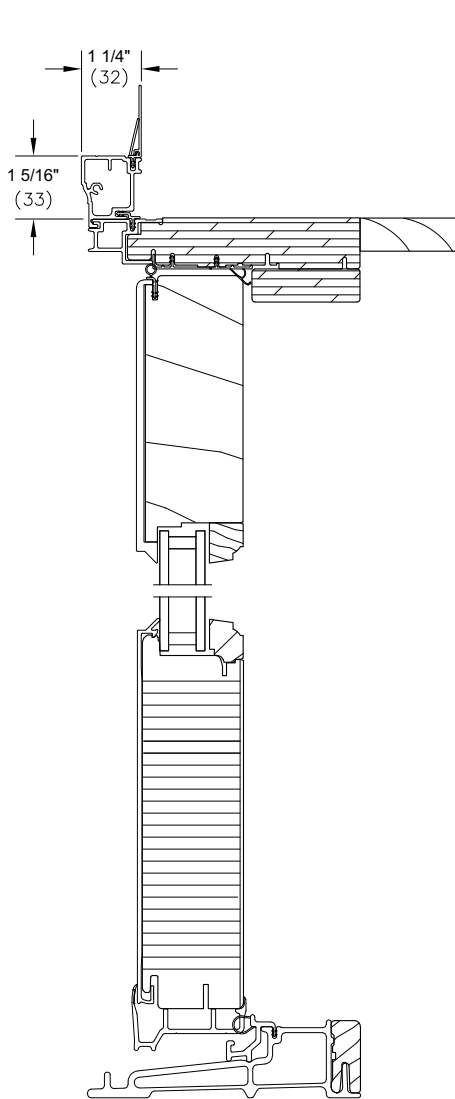
O - Jamb - RT2 & RT6



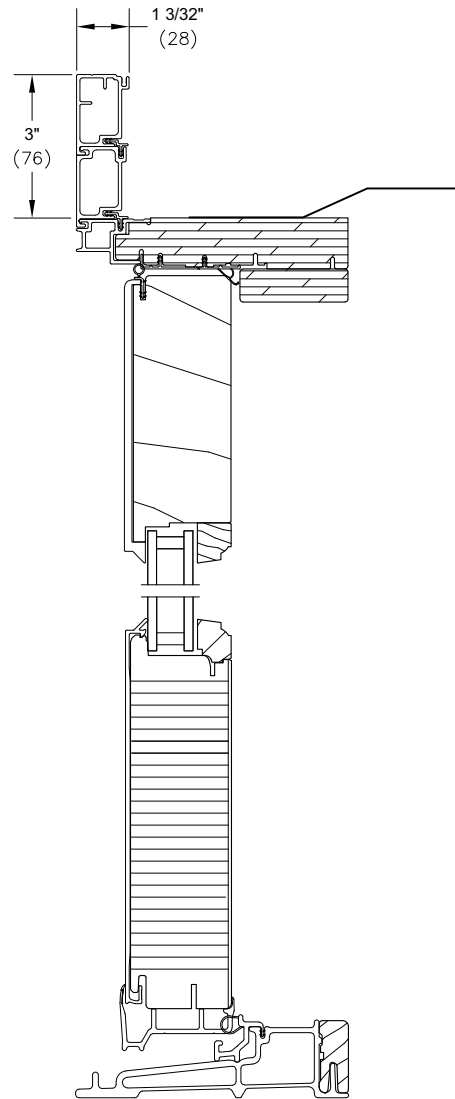
4 9/16" Jamb

Outswing Section Details: Casing Options

Scale: 3" = 1' 0"



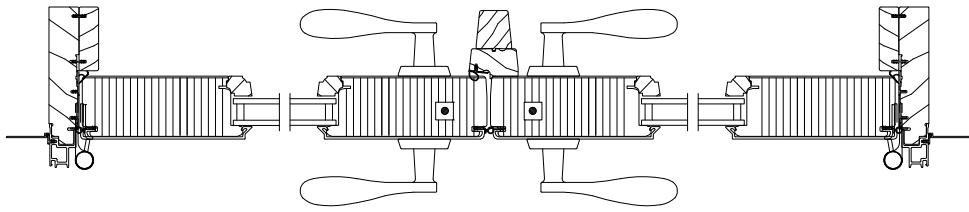
Head Jamb and Sill
with Clad Brick Mould Casing
6 9/16" Jamb Depth



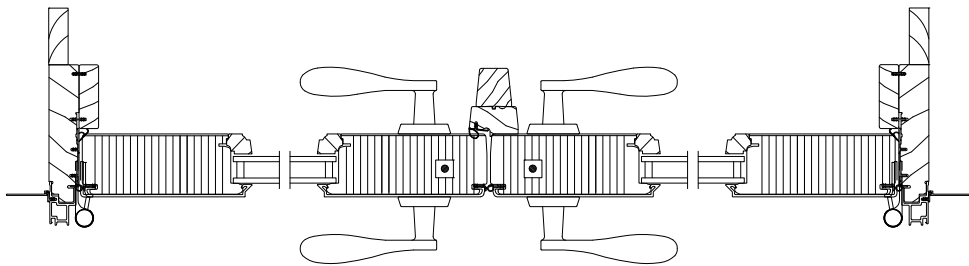
Head Jamb and Sill
with Clad Flat Casing
4 9/16" Jamb Depth

Outswing Section Details: Panel Configurations

Not to Scale



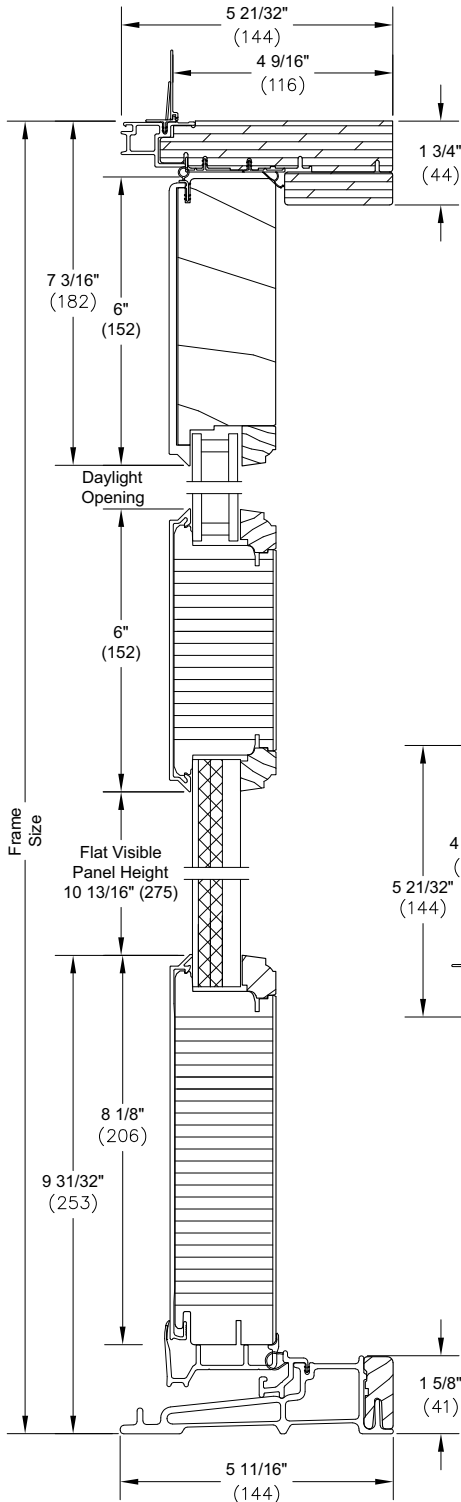
XX R - 4 9/16" Jamb - RT2 & RT6



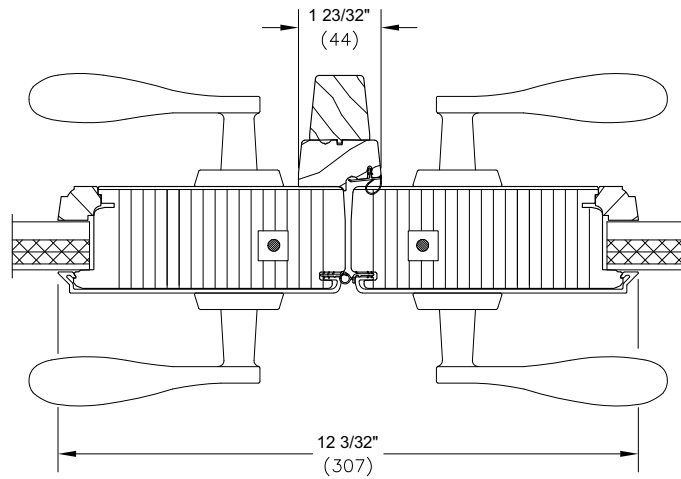
XX R - 6 9/16" Jamb - RT2 & RT6

Outswing Section Details: Flat Panel Placement

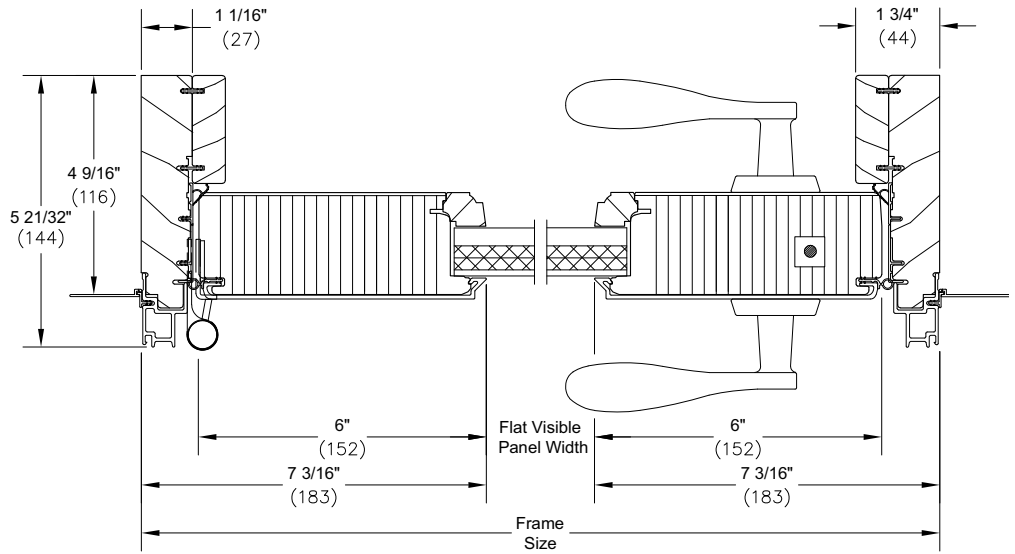
Scale: 3" = 1' 0"



Head Jamb and Sill



XX L - Meeting Stiles

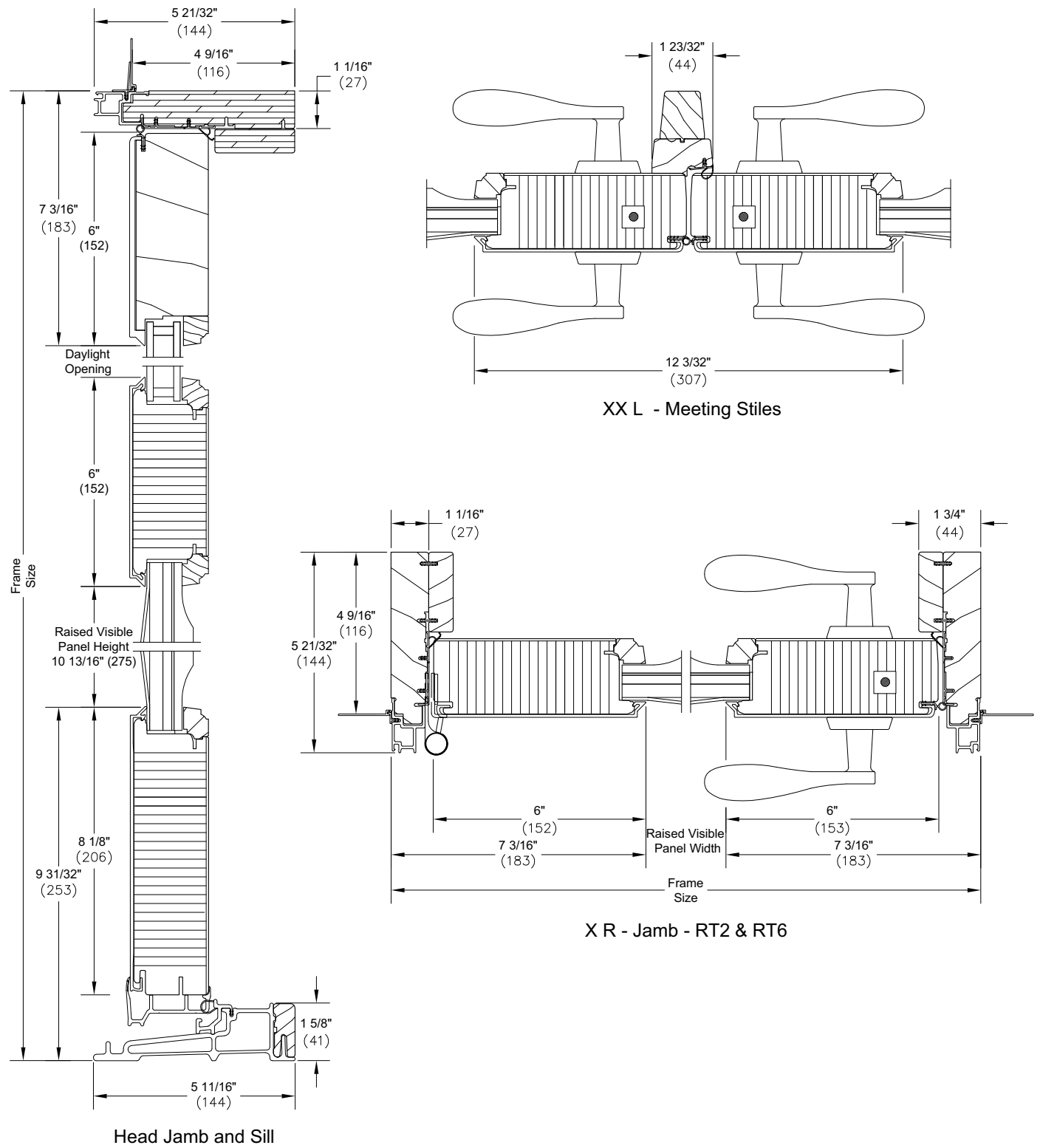


X R - Jamb - RT2 & RT6

NOTE: Ultimate Outswing French Door 2 1/4" Arch Top with flat panels are not available with CE mark.

Outswing Section Details: Raised Panel Placement

Scale: 3" = 1' 0"



NOTE: Outswing French Door 2 1/4" Arch Top with raised panels are not available with CE mark.