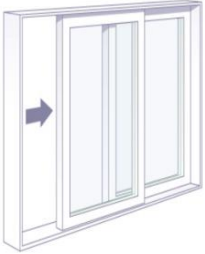


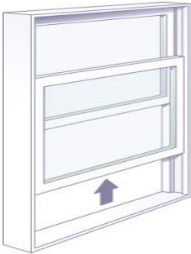
## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number	
				Intercept or Cardinal	Foam or Dura****					
horizontal slider 	3110            size tested 6040	<b>1/8</b>	<b>1/8</b>	-	-	29	23	10/30/99	TL98-379	
		<b>1/8</b>	<b>3/16</b>							
		1/8	5/32							
		3/16	1/8	-	-	33	27	4/22/99	TL99-170	
		5/32	1/8							
		<b>1/8</b>	<b>1/4</b>	-	-	33	28	4/22/99	TL99-168	
		1/4	1/8							
		<b>1/8</b>	<b>LAM</b>	-	-	35	28	10/30/99	TL98-378	
		LAM	1/8							
		<b>3/16</b>	<b>3/16</b>							
		5/32	5/32						not	tested
		3/16	5/32							
		5/32	3/16							
		<b>3/16</b>	<b>1/4</b>							
		5/32	1/4							
1/4	3/16						not	tested		
1/4	5/32									
<b>3/16</b>	<b>LAM</b>									
5/32	LAM									
LAM	3/16	-	-	36	29	4/22/99	TL99-169			
LAM	5/32									
<b>1/4</b>	<b>1/4</b>									
							not	tested		
<b>1/4</b>	<b>LAM</b>									
LAM	1/4						not	tested		
<b>LAM</b>	<b>LAM</b>									
							not	tested		


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
single hung 	3210	<b>1/8</b>	<b>1/8</b>	-	-	28	22	10/27/98	TL98-364		
		<b>1/8</b>	<b>3/16</b>								
		1/8	5/32	-	-	33	27	5/19/99	TL99-204		
		3/16	1/8								
		5/32	1/8								
		<b>1/8</b>	<b>1/4</b>	-	-	33	28	5/19/99	TL99-205		
	size tested 4060		1/4	1/8							
			<b>1/8</b>	<b>LAM</b>	-	-	34	28	5/19/99	TL99-206	
			LAM	1/8							
			<b>3/16</b>	<b>3/16</b>					not	tested	
			5/32	5/32							
			3/16	5/32							
			5/32	3/16							
			<b>3/16</b>	<b>1/4</b>					not	tested	
			5/32	1/4							
1/4	3/16										
1/4	5/32										
<b>3/16</b>	<b>LAM</b>	-	-	34	28	5/20/99	TL99-212				
5/32	LAM										
LAM	3/16										
LAM	5/32										
<b>1/4</b>	<b>1/4</b>						not	tested			
<b>1/4</b>	<b>LAM</b>						not	tested			
LAM	1/4										
<b>LAM</b>	<b>LAM</b>						not	tested			


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
picture window (step pw's) 	3310 3315	1/8	1/8	-	-	28	24	10/29/98	TL98-373		
		1/8	3/16	-	-	32	26	4/22/99	TL99-163		
		1/8	5/32								
	3/16	1/8									
	size tested 6040	3310 3315	1/8	1/4	-	-	33	27	4/22/99	TL99-162	
			1/4	1/8							
		3310 3315	1/8	LAM	-	-	34	28	10/29/98	TL98-372	
			LAM	1/8							
			3/16	3/16	-	-	-	-	not	tested	
		5/32	5/32								
		3/16	5/32								
		3310 3315	6040	5/32	3/16	-	-	-	-	not	tested
				3/16	1/4						
				5/32	1/4						
		3310 3315	6040	1/4	3/16	-	-	-	-	not	tested
1/4				5/32							
3/16	LAM										
3310 3315	6040	5/32	LAM	-	-	35	29	4/22/99	TL99-166		
		LAM	3/16								
		LAM	5/32								
3310 3315	6040	1/4	1/4	-	-	-	-	not	tested		
		1/4	LAM								
		LAM	1/4								
3310 3315	6040	LAM	LAM	-	-	-	-	not	tested		
		LAM	LAM								
		LAM	LAM								


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number			
				Intercept or Cardinal	Foam or Dura****							
picture window (slider pw) 	3371	<b>1/8</b>	<b>1/8</b>					not	tested			
		<b>1/8</b>	<b>3/16</b>									
		1/8	5/32						not	tested		
		3/16	1/8									
		5/32	1/8									
		<b>1/8</b>	<b>1/4</b>							not	tested	
		1/4	1/8									
		<b>1/8</b>	<b>LAM</b>							not	tested	
		LAM	1/8									
		<b>3/16</b>	<b>3/16</b>								not	tested
		5/32	5/32									
		3/16	5/32									
		5/32	3/16									
		<b>3/16</b>	<b>1/4</b>								not	tested
		5/32	1/4									
1/4	3/16											
1/4	5/32											
<b>3/16</b>	<b>LAM</b>								not	tested		
5/32	LAM											
LAM	3/16											
LAM	5/32											
<b>1/4</b>	<b>1/4</b>								not	tested		
<b>1/4</b>	<b>LAM</b>								not	tested		
LAM	1/4											
<b>LAM</b>	<b>LAM</b>								not	tested		

## Acoustical Ratings

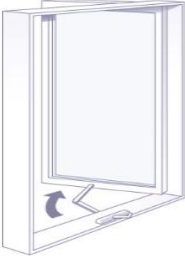
Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number	
				Intercept or Cardinal	Foam or Dura****					
picture window (radius)  	3710	<b>1/8</b>	<b>1/8</b>	-	-	29	23	9/5/06	TL06-329	
		<b>1/8</b>	<b>3/16</b>							
		1/8	5/32	-	-	32	25	9/5/06	TL06-332	
		3/16	1/8							
		5/32	1/8							
			<b>1/8</b>	<b>1/4</b>	-	-	34	28	9/8/00	TL06-351
			1/4	1/8						
			<b>1/8</b>	<b>LAM</b>	-	-	33	27	9/8/06	TL06-350
			LAM	1/8						
		size tested 6040 (rectangular)	<b>3/16</b>	<b>3/16</b>	-	-	29	24	9/5/06	TL06-333
			5/32	5/32						
			3/16	5/32						
			5/32	3/16						
			<b>3/16</b>	<b>1/4</b>						
			5/32	1/4					not	tested
		1/4	3/16							
		1/4	5/32							
		<b>3/16</b>	<b>LAM</b>	-	-	35	28	9/5/06	TL06-331	
		5/32	LAM							
		LAM	3/16							
		LAM	5/32							
		<b>1/4</b>	<b>1/4</b>					not	tested	
		<b>1/4</b>	<b>LAM</b>					not	tested	
		LAM	1/4							
		<b>LAM</b>	<b>LAM</b>	-	-	36	28	9/5/06	TL06-330	




## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
casement 	3510	1/8	1/8	-	-	28	23	10/26/98	TL98-360		
		1/8	3/16								
		1/8	5/32	-	-	34	28	10/5/04	TL04-469		
		3/16	1/8								
		5/32	1/8								
			1/8	1/4	-	-	36	28	10/6/04	TL04-470	
			1/4	1/8							
			1/8	LAM	-	-	36	29	10/26/98	TL98-359	
			LAM	1/8							
		size tested 3050	3/16	3/16							
			5/32	5/32	X	<--	30	25	9/24/18	I9015.01	
			3/16	5/32							
			5/32	3/16							
			3/16	1/4							
			5/32	1/4					not	tested	
		1/4	3/16								
		1/4	5/32								
		3/16	LAM					not	tested		
		5/32	LAM								
		LAM	3/16								
		LAM	5/32								
		1/4	1/4					not	tested		
		1/4	LAM					not	tested		
		LAM	1/4								
		LAM	LAM					not	tested		

## Acoustical Ratings


Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number
				Intercept or Cardinal	Foam or Dura****				
sliding door 	3626	1/8	1/8	-	-	30	25	9/11/03	TL03-357
		1/8	3/16	-	-	32	27	9/11/03	TL03-363
		1/8	5/32	-	-				
		3/16	1/8	-	-				
		5/32	1/8	-	-	-	-	not	tested
	1/8	1/4	-	-	-	-	-	-	
	1/8	LAM	-	-	32	28	9/11/03	TL03-359	
	LAM	1/8	-	-	-	-	-	-	
	size tested 6068	3/16	3/16	-	-	31	27	9/11/03	TL03-360
		5/32	5/32	-	-				
		3/16	5/32	-	-				
		5/32	3/16	-	-	-	-	-	-
		3/16	1/4	-	-	32	29	9/11/03	TL03-361
		5/32	1/4	-	-				
		1/4	3/16	-	-				
1/4		5/32	-	-	-	-	-	-	
3/16	LAM	-	-	32	28	9/11/03	TL03-358		
5/32	LAM	-	-						
LAM	3/16	-	-						
LAM	5/32	-	-	-	-	-	-		
1/4	1/4	-	-	-	-	not	tested		
1/4	LAM	-	-	-	-	not	tested		
LAM	1/4	-	-	-	-	-	-		
LAM	LAM	-	-	34	30	9/11/03	TL03-362		




## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number
				Intercept or Cardinal	Foam or Dura****				
 <p>swing door (inswing)</p>	<b>3642</b> (4 9/16" wall)	<b>1/8</b>	<b>1/8</b>	-	-	29	23	4/3/09	TL09-333
		<b>1/8</b>	<b>3/16</b>	-	-	31	27	4/3/09	TL09-335
	<b>3662</b> (6 9/16" wall)	1/8	5/32	-	-	31	27	4/3/09	TL09-335
		3/16	1/8	-	-	31	27	4/3/09	TL09-340
	5/32	1/8	-	-	31	27	4/3/09	TL09-340	
	<b>1/8</b>	<b>1/4</b>	-	-	31	27	4/3/09	TL09-340	
	1/4	1/8	-	-	31	27	4/3/09	TL09-340	
	<b>1/8</b>	<b>LAM</b>	<b>X</b>	<--	31	27	4/3/09	TL09-337	
	LAM	1/8	-	-	31	27	4/3/09	TL09-337	
	size tested 6068	<b>3/16</b>	<b>3/16</b>	-	-	-	-	not	tested
		5/32	5/32	-	-	-	-	not	tested
		3/16	5/32	-	-	-	-	not	tested
		5/32	3/16	-	-	-	-	not	tested
		<b>3/16</b>	<b>1/4</b>	-	-	32	27	4/3/09	TL09-336
		5/32	1/4	-	-	32	27	4/3/09	TL09-336
1/4		3/16	-	-	32	27	4/3/09	TL09-336	
1/4		5/32	-	-	32	27	4/3/09	TL09-336	
<b>3/16</b>		<b>LAM</b>	-	-	32	28	4/3/09	TL09-334	
5/32		LAM	-	-	32	28	4/3/09	TL09-334	
LAM	3/16	-	-	32	28	4/3/09	TL09-334		
LAM	5/32	-	-	32	28	4/3/09	TL09-334		
<b>1/4</b>	<b>1/4</b>	-	-	-	-	not	tested		
<b>1/4</b>	<b>LAM</b>	-	-	31	27	4/3/09	TL09-339		
LAM	1/4	-	-	31	27	4/3/09	TL09-339		
<b>LAM</b>	<b>LAM</b>	-	-	32	28	4/3/09	TL09-341		


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number
				Intercept or Cardinal	Foam or Dura****				
swing door (outswing) 	3645 (4 9/16" wall)	1/8	1/8	-	-	30	25	5/3/10	TL10-383
		1/8	3/16	-	-	33	27	5/3/10	TL10-384
	3665 (6 9/16" wall)	3/16	1/8	-	-	32	27	5/4/10	TL10-389
		5/32	1/8	-	-	34	28	5/4/10	TL10-390
	size tested 6068	1/8	1/4	-	-	34	28	5/4/10	TL10-388
		1/4	1/8	-	-	34	28	5/4/10	TL10-388
		1/8	LAM	-	-	34	28	5/4/10	TL10-388
		LAM	1/8	-	-	34	28	5/4/10	TL10-388
		3/16	3/16					not	tested
		5/32	5/32						
		3/16	5/32						
		5/32	3/16						
		3/16	1/4	-	-	33	28	5/3/10	TL10-385
		5/32	1/4	-	-	33	28	5/3/10	TL10-385
		1/4	3/16	-	-	33	28	5/3/10	TL10-385
	1/4	5/32	-	-	33	28	5/3/10	TL10-385	
	3/16	LAM	-	-	34	28	5/4/10	TL10-388	
	5/32	LAM	-	-	34	28	5/4/10	TL10-388	
	LAM	3/16	-	-	34	28	5/4/10	TL10-388	
	LAM	5/32	-	-	34	28	5/4/10	TL10-388	
	1/4	1/4					not	tested	
	1/4	LAM	-	-	34	29	5/3/10	TL10-386	
	LAM	1/4	-	-	34	29	5/3/10	TL10-386	
	LAM	LAM	-	-	34	29	5/4/10	TL10-387	


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
 <p>swing door (inswing)</p>	<p><b>3842/62</b> (1/2" sill)</p> <p><b>3942/62</b> (with ADA)</p> <p>size tested 6168</p>	<b>1/8</b>	<b>1/8</b>					not	tested		
		<b>1/8</b>	<b>3/16</b>								
		1/8	5/32	-	-	29	25	6/22/11	TL11-296		
		3/16	1/8								
		5/32	1/8								
		<b>1/8</b>	<b>1/4</b>	-	-	32	28	6/22/11	TL11-289		
		1/4	1/8								
		<b>1/8</b>	<b>LAM</b>	-	-	32	28	6/22/11	TL11-292		
		LAM	1/8								
		<b>3/16</b>	<b>3/16</b>							not	tested
		5/32	5/32								
		3/16	5/32								
		5/32	3/16								
		<b>3/16</b>	<b>1/4</b>	-	-	30	27	6/22/11	TL11-294		
		5/32	1/4								
1/4	3/16										
1/4	5/32										
<b>3/16</b>	<b>LAM</b>	-	-	29	27	6/22/11	TL11-291				
5/32	LAM										
LAM	3/16										
LAM	5/32										
<b>1/4</b>	<b>1/4</b>							not	tested		
<b>1/4</b>	<b>LAM</b>	-	-	32	28	6/22/11	TL11-293				
LAM	1/4										
<b>LAM</b>	<b>LAM</b>	-	-	34	30	6/22/11	TL11-295				


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number
				Intercept or Cardinal	Foam or Dura****				
swing door (outswing) 	3845/65 (1/2" sill) 3945/65 (with ADA)  size tested 6168	1/8	1/8	-	-	28	24	6/23/11	TL11-297
		1/8	3/16	-	-	29	25	6/23/11	TL11-303
		1/8	1/4	-	-	28	24	6/23/11	TL11-300
		1/8	LAM	-	-	29	26	6/23/11	TL11-301
		3/16	3/16	-	-			not	tested
		3/16	1/4	-	-	29	26	6/23/11	TL11-302
		3/16	LAM	-	-	29	26	6/23/11	TL11-299
		1/4	1/4	-	-			not	tested
		1/4	LAM	-	-	30	27	6/23/11	TL11-304
		LAM	LAM	-	-	30	27	6/23/11	TL11-298


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number	
				Intercept or Cardinal	Foam or Dura****					
picture window (direct transom) 	3643/63 (inswing)	<b>1/8</b>	<b>1/8</b>					not	tested	
		<b>1/8</b>	<b>3/16</b>							
		1/8	5/32						not	tested
		3/16	1/8							
		5/32	1/8							
		<b>1/8</b>	<b>1/4</b>						not	tested
		1/4	1/8							
		<b>1/8</b>	<b>LAM</b>						not	tested
		LAM	1/8							
		<b>3/16</b>	<b>3/16</b>							
		5/32	5/32						not	tested
		3/16	5/32							
		5/32	3/16							
		<b>3/16</b>	<b>1/4</b>							
5/32	1/4						not	tested		
1/4	3/16									
1/4	5/32									
<b>3/16</b>	<b>LAM</b>									
5/32	LAM						not	tested		
LAM	3/16									
LAM	5/32									
<b>1/4</b>	<b>1/4</b>						not	tested		
<b>1/4</b>	<b>LAM</b>						not	tested		
LAM	1/4									
<b>LAM</b>	<b>LAM</b>						not	tested		


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number	
				Intercept or Cardinal	Foam or Dura****					
picture window (direct transom) 	3646/66 (outswing)	<b>1/8</b>	<b>1/8</b>					not	tested	
		<b>1/8</b>	<b>3/16</b>							
		1/8	5/32						not	tested
		3/16	1/8							
		5/32	1/8							
		<b>1/8</b>	<b>1/4</b>						not	tested
		1/4	1/8							
		<b>1/8</b>	<b>LAM</b>						not	tested
		LAM	1/8							
		<b>3/16</b>	<b>3/16</b>							
		5/32	5/32						not	tested
		3/16	5/32							
		5/32	3/16							
		<b>3/16</b>	<b>1/4</b>							
5/32	1/4						not	tested		
1/4	3/16									
1/4	5/32									
<b>3/16</b>	<b>LAM</b>									
5/32	LAM						not	tested		
LAM	3/16									
LAM	5/32									
<b>1/4</b>	<b>1/4</b>						not	tested		
<b>1/4</b>	<b>LAM</b>						not	tested		
LAM	1/4									
<b>LAM</b>	<b>LAM</b>						not	tested		


## Acoustical Ratings

Updated: 07/26/22 by K.Pim

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number	
				Intercept or Cardinal	Foam or Dura****					
picture window (panel transom) 	3644/64 (inswing)	1/8	1/8					not	tested	
		1/8	3/16							
		1/8	5/32							
		3/16	1/8						not	tested
		5/32	1/8							
		1/8	1/4							
		1/4	1/8						not	tested
		1/8	LAM							
		LAM	1/8						not	tested
		3/16	3/16							
		5/32	5/32							
		3/16	5/32						not	tested
		5/32	3/16							
		3/16	1/4							
		5/32	1/4							
1/4	3/16						not	tested		
1/4	5/32									
3/16	LAM									
5/32	LAM									
LAM	3/16						not	tested		
LAM	5/32									
1/4	1/4							not	tested	
1/4	LAM									
LAM	1/4						not	tested		
LAM	LAM							not	tested	

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Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number	
				Intercept or Cardinal	Foam or Dura****					
picture window (panel transom) 	3647/67 (outswing)	<b>1/8</b>	<b>1/8</b>					not	tested	
		<b>1/8</b>	<b>3/16</b>							
		1/8	5/32						not	tested
		3/16	1/8							
		5/32	1/8							
		<b>1/8</b>	<b>1/4</b>						not	tested
		1/4	1/8							
		<b>1/8</b>	<b>LAM</b>						not	tested
		LAM	1/8							
		<b>3/16</b>	<b>3/16</b>							
		5/32	5/32						not	tested
		3/16	5/32							
		5/32	3/16							
		<b>3/16</b>	<b>1/4</b>							
5/32	1/4						not	tested		
1/4	3/16									
1/4	5/32									
<b>3/16</b>	<b>LAM</b>									
5/32	LAM						not	tested		
LAM	3/16									
LAM	5/32									
<b>1/4</b>	<b>1/4</b>						not	tested		
<b>1/4</b>	<b>LAM</b>						not	tested		
LAM	1/4									
<b>LAM</b>	<b>LAM</b>						not	tested		