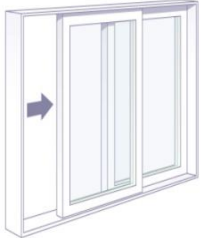


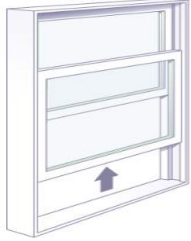
**Acoustical Ratings**

Updated: 11/30/23

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  STC 29-36	<b>1/8</b>	<b>1/8</b>	-	-	<b>29</b>	<b>23</b>	<b>10/30/99</b>	<a href="#">TL98-379</a>	
		<b>1/8</b>	<b>3/16</b>							
		1/8	5/32							
		3/16	1/8	-	-	<b>33</b>	<b>27</b>	<b>4/22/99</b>	<a href="#">TL99-170</a>	
		5/32	1/8							
		<b>1/8</b>	<b>1/4</b>	-	-	<b>33</b>	<b>28</b>	<b>4/22/99</b>	<a href="#">TL99-168</a>	
		1/4	1/8							
		<b>1/8</b>	<b>LAM</b>	-	-	<b>35</b>	<b>28</b>	<b>10/30/99</b>	<a href="#">TL98-378</a>	
		LAM	1/8							
		<b>3/16</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination	
		5/32	5/32							
		3/16	5/32							
		5/32	3/16							
<b>3/16</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination			
5/32	1/4									
1/4	3/16									
1/4	5/32									
<b>3/16</b>	<b>LAM</b>	-	-	<b>36</b>	<b>29</b>	<b>4/22/99</b>	<a href="#">TL99-169</a>			
5/32	LAM									
LAM	3/16									
LAM	5/32									
<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination			
<b>1/4</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination			
LAM	1/4									
<b>LAM</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination			


**Acoustical Ratings**

Updated: 11/30/23

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


**Acoustical Ratings**

Updated: 11/30/23

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
picture window ( step )  	3310 ( match fc/fa )  size tested 6040  STC 28-35	<b>1/8</b>	<b>1/8</b>	-	-	<b>28</b>	<b>24</b>	<b>10/29/98</b>	<a href="#">TL98-373</a>		
		<b>1/8</b>	<b>3/16</b>	-	-	<b>32</b>	<b>26</b>	<b>4/22/99</b>	<a href="#">TL99-163</a>		
		1/8	5/32								
		3/16	1/8								
				5/32	1/8	-	-	<b>33</b>	<b>27</b>	<b>4/22/99</b>	<a href="#">TL99-162</a>
		<b>1/8</b>	<b>1/4</b>								
		1/4	1/8	-	-	<b>34</b>	<b>28</b>	<b>10/29/98</b>	<a href="#">TL98-372</a>		
		<b>1/8</b>	<b>LAM</b>								
		LAM	1/8	acoustical ratings	not available	for	this	glass	combination		
		<b>3/16</b>	<b>3/16</b>								
		5/32	5/32								
				3/16	5/32	acoustical ratings	not available	for	this	glass	combination
		<b>3/16</b>	<b>1/4</b>								
5/32	1/4										
		1/4	3/16	-	-	<b>35</b>	<b>29</b>	<b>4/22/99</b>	<a href="#">TL99-166</a>		
<b>3/16</b>	<b>LAM</b>										
5/32	LAM	acoustical ratings	not available	for	this	glass	combination				
LAM	3/16										
LAM	5/32										
		<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination		
<b>1/4</b>	<b>LAM</b>										
LAM	1/4	acoustical ratings	not available	for	this	glass	combination				
<b>LAM</b>	<b>LAM</b>										
		LAM	LAM	acoustical ratings	not available	for	this	glass	combination		
		LAM	LAM								


**Acoustical Ratings**

Updated: 11/30/23

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
picture window ( step )  	3315 ( match hv/sh )  size tested using 3310 tests  STC 28-35	<b>1/8</b>	<b>1/8</b>	-	-	<b>28</b>	<b>24</b>	<b>10/29/98</b>	<a href="#">TL98-373</a>		
		<b>1/8</b>	<b>3/16</b>	-	-	<b>32</b>	<b>26</b>	<b>4/22/99</b>	<a href="#">TL99-163</a>		
		1/8	5/32								
		3/16	1/8								
				5/32	1/8	-	-	<b>33</b>	<b>27</b>	<b>4/22/99</b>	<a href="#">TL99-162</a>
		<b>1/8</b>	<b>1/4</b>								
		1/4	1/8	-	-	<b>34</b>	<b>28</b>	<b>10/29/98</b>	<a href="#">TL98-372</a>		
		<b>1/8</b>	<b>LAM</b>								
		LAM	1/8								
				<b>3/16</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination
				5/32	5/32	acoustical ratings	not available	for	this	glass	combination
				3/16	5/32						
				5/32	3/16						
				<b>3/16</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination
		5/32	1/4								
		1/4	3/16								
		1/4	5/32	-	-	<b>35</b>	<b>29</b>	<b>4/22/99</b>	<a href="#">TL99-166</a>		
		<b>3/16</b>	<b>LAM</b>								
		5/32	LAM								
		LAM	3/16								
		LAM	5/32	acoustical ratings	not available	for	this	glass	combination		
		<b>1/4</b>	<b>1/4</b>								
		<b>1/4</b>	<b>LAM</b>								
		LAM	1/4	acoustical ratings	not available	for	this	glass	combination		
		<b>LAM</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination		


**Acoustical Ratings**

Updated: 11/30/23

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number	
				Intercept or Cardinal	Foam or Dura****					
<p>picture window (slider pw)</p> 	<p>3371  sized tested net 47" x 59"  STC n/a</p>	<b>1/8</b>	<b>1/8</b>	acoustical ratings	not available	for	this	glass	combination	
		<b>1/8</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination	
		1/8	5/32							
		3/16	1/8							
			5/32	1/8						
		<b>1/8</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination	
		1/4	1/8							
		<b>1/8</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination	
		LAM	1/8							
		<b>3/16</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination	
		5/32	5/32							
		3/16	5/32							
		5/32	3/16							
<b>3/16</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination			
5/32	1/4									
1/4	3/16									
1/4	5/32									
<b>3/16</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination			
5/32	LAM									
LAM	3/16									
LAM	5/32									
<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination			
<b>1/4</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination			
LAM	1/4									
<b>LAM</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination			

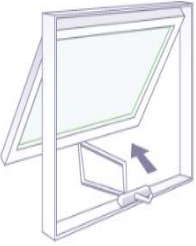
**Acoustical Ratings**

Updated: 11/30/23

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  size tested 6040 (rectangular)  STC 29-36	<b>1/8</b>	<b>1/8</b>	-	-	<b>29</b>	<b>23</b>	<b>9/5/06</b>	<a href="#">TL06-329</a>
		<b>1/8</b>	<b>3/16</b>	-	-				
		1/8	5/32	-	-	<b>32</b>	<b>25</b>	<b>9/5/06</b>	<a href="#">TL06-332</a>
		3/16	1/8	-	-				
		5/32	1/8	-	-	<b>34</b>	<b>28</b>	<b>9/8/00</b>	<a href="#">TL06-351</a>
		<b>1/8</b>	<b>1/4</b>	-	-				
		1/4	1/8	-	-	<b>33</b>	<b>27</b>	<b>9/8/06</b>	<a href="#">TL06-350</a>
		<b>1/8</b>	<b>LAM</b>	-	-				
		LAM	1/8	-	-	<b>29</b>	<b>24</b>	<b>9/5/06</b>	<a href="#">TL06-333</a>
		<b>3/16</b>	<b>3/16</b>	-	-				
		5/32	5/32	-	-				
		3/16	5/32	-	-				
5/32	3/16			acoustical ratings	not available	for	this	glass	combination
<b>3/16</b>	<b>1/4</b>								
5/32	1/4								
1/4	3/16								
1/4	5/32								
<b>3/16</b>	<b>LAM</b>	-	-			<b>35</b>	<b>28</b>	<b>9/5/06</b>	<a href="#">TL06-331</a>
5/32	LAM								
LAM	3/16								
LAM	5/32								
<b>1/4</b>	<b>1/4</b>			acoustical ratings	not available	for	this	glass	combination
<b>1/4</b>	<b>LAM</b>			acoustical ratings	not available	for	this	glass	combination
LAM	1/4								
<b>LAM</b>	<b>LAM</b>	-	-			<b>36</b>	<b>28</b>	<b>9/5/06</b>	<a href="#">TL06-330</a>

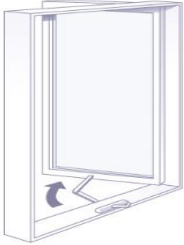
**Acoustical Ratings**

Updated: 11/30/23

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
awning 	3410  size tested using 3510 tests  STC 28-36	<b>1/8</b>	<b>1/8</b>	-	-	<b>28</b>	<b>23</b>	<b>10/26/98</b>	<a href="#">TL98-360</a>		
		<b>1/8</b>	<b>3/16</b>								
		1/8	5/32								
		3/16	1/8	-	-	<b>34</b>	<b>28</b>	<b>10/5/04</b>	<a href="#">TL04-469</a>		
		5/32	1/8								
		<b>1/8</b>	<b>1/4</b>	-	-	<b>36</b>	<b>28</b>	<b>10/6/04</b>	<a href="#">TL04-470</a>		
		1/4	1/8								
		<b>1/8</b>	<b>LAM</b>	-	-	<b>36</b>	<b>29</b>	<b>10/26/98</b>	<a href="#">TL98-359</a>		
		LAM	1/8								
		<b>3/16</b>	<b>3/16</b>			X	<--	<b>30</b>	<b>25</b>	<b>9/24/18</b>	<a href="#">i9015.01</a>
		5/32	5/32								
		3/16	5/32								
5/32	3/16										
<b>3/16</b>	<b>1/4</b>			acoustical ratings	not available	for	this	glass	combination		
5/32	1/4										
1/4	3/16										
1/4	5/32										
<b>3/16</b>	<b>LAM</b>			acoustical ratings	not available	for	this	glass	combination		
5/32	LAM										
LAM	3/16										
LAM	5/32										
<b>1/4</b>	<b>1/4</b>			acoustical ratings	not available	for	this	glass	combination		
<b>1/4</b>	<b>LAM</b>			acoustical ratings	not available	for	this	glass	combination		
LAM	1/4										
<b>LAM</b>	<b>LAM</b>			acoustical ratings	not available	for	this	glass	combination		

**Acoustical Ratings**


Updated: 11/30/23

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number	
				Intercept or Cardinal	Foam or Dura****					
casement 	3510  size tested 3050  STC 28-36	<b>1/8</b>	<b>1/8</b>	-	-	<b>28</b>	<b>23</b>	<b>10/26/98</b>	<a href="#">TL98-360</a>	
		<b>1/8</b>	<b>3/16</b>							
		1/8	5/32							
		3/16	1/8	-	-	<b>34</b>	<b>28</b>	<b>10/5/04</b>	<a href="#">TL04-469</a>	
		5/32	1/8							
		<b>1/8</b>	<b>1/4</b>	-	-	<b>36</b>	<b>28</b>	<b>10/6/04</b>	<a href="#">TL04-470</a>	
		1/4	1/8							
		<b>1/8</b>	<b>LAM</b>	-	-	<b>36</b>	<b>29</b>	<b>10/26/98</b>	<a href="#">TL98-359</a>	
		LAM	1/8							
		<b>3/16</b>	<b>3/16</b>							
		5/32	5/32	X	<--	<b>30</b>	<b>25</b>	<b>9/24/18</b>	<a href="#">i9015.01</a>	
		3/16	5/32							
1/4	1/4	acoustical ratings	not available	for	this	glass	combination			
1/4	3/16									
1/4	5/32									
<b>3/16</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination			
5/32	LAM									
LAM	3/16									
LAM	5/32									
<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination			
<b>1/4</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination			
LAM	1/4									
<b>LAM</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination			




**Acoustical Ratings**

Updated: 11/30/23

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number
				Intercept or Cardinal	Foam or Dura****				
sliding door  	3626  size tested 6068  STC 30-34	<b>1/8</b>	<b>1/8</b>	-	-	<b>30</b>	<b>25</b>	<b>9/11/03</b>	<a href="#">TL03-357</a>
		<b>1/8</b>	<b>3/16</b>	-	-				
		1/8	5/32	-	-				
		3/16	1/8	-	-	<b>32</b>	<b>27</b>	<b>9/11/03</b>	<a href="#">TL03-363</a>
		5/32	1/8						
		<b>1/8</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination
		1/4	1/8						
		<b>1/8</b>	<b>LAM</b>	-	-	<b>32</b>	<b>28</b>	<b>9/11/03</b>	<a href="#">TL03-359</a>
		LAM	1/8						
		<b>3/16</b>	<b>3/16</b>	-	-				
		5/32	5/32	-	-	<b>31</b>	<b>27</b>	<b>9/11/03</b>	<a href="#">TL03-360</a>
		3/16	5/32						
		5/32	3/16						
<b>3/16</b>	<b>1/4</b>	-	-						
5/32	1/4	-	-	<b>32</b>	<b>29</b>	<b>9/11/03</b>	<a href="#">TL03-361</a>		
1/4	3/16								
1/4	5/32								
<b>3/16</b>	<b>LAM</b>	-	-						
5/32	LAM	-	-	<b>32</b>	<b>28</b>	<b>9/11/03</b>	<a href="#">TL03-358</a>		
LAM	3/16								
LAM	5/32								
<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination		
<b>1/4</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination		
LAM	1/4								
<b>LAM</b>	<b>LAM</b>	-	-	<b>34</b>	<b>30</b>	<b>9/11/03</b>	<a href="#">TL03-362</a>		


**Acoustical Ratings**

Updated: 11/30/23

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>	3642 (4 9/16" wall)	1/8	1/8	-	-	29	23	4/3/09	<a href="#">TL09-333</a>	
		1/8	3/16							
	3662 (6 9/16" wall)	1/8	5/32	-	-	31	27	4/3/09	<a href="#">TL09-335</a>	
		3/16	1/8							
	size tested 6068	5/32	1/8							
		1/8	1/4	-	-	31	27	4/3/09	<a href="#">TL09-340</a>	
	STC 29-32	1/4	1/8							
		1/8	LAM	X	<--	31	27	4/3/09	<a href="#">TL09-337</a>	
		LAM	1/8							
			3/16	3/16	acoustical ratings	not available	for	this	glass	combination
			5/32	5/32						
			3/16	5/32						
			5/32	3/16						
			3/16	1/4	-	-	32	27	4/3/09	<a href="#">TL09-336</a>
		5/32	1/4							
		1/4	3/16							
		1/4	5/32							
		3/16	LAM							
		5/32	LAM	-	-	32	28	4/3/09	<a href="#">TL09-334</a>	
		LAM	3/16							
		LAM	5/32							
		1/4	1/4	acoustical ratings	not available	for	this	glass	combination	
		1/4	LAM	-	-	31	27	4/3/09	<a href="#">TL09-339</a>	
		LAM	1/4							
		LAM	LAM	-	-	32	28	4/3/09	<a href="#">TL09-341</a>	


**Acoustical Ratings**

Updated: 11/30/23

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	<a href="#">TL10-383</a>	
		1/8	3/16							
	3665 (6 9/16" wall)	1/8	5/32	-	-	33	27	5/3/10	<a href="#">TL10-384</a>	
		3/16	1/8							
	size tested 6068	1/8	1/4	-	-	32	27	5/4/10	<a href="#">TL10-389</a>	
		1/4	1/8							
	STC 30-34	1/8	LAM	-	-	34	28	5/4/10	<a href="#">TL10-390</a>	
		LAM	1/8							
			3/16	3/16	acoustical ratings	not available	for	this	glass	combination
			5/32	5/32						
			3/16	5/32						
			5/32	3/16						
			3/16	1/4	-	-	33	28	5/3/10	<a href="#">TL10-385</a>
			5/32	1/4						
		1/4	3/16							
		1/4	5/32							
		3/16	LAM	-	-	34	28	5/4/10	<a href="#">TL10-388</a>	
		5/32	LAM							
		LAM	3/16							
		LAM	5/32							
		1/4	1/4	acoustical ratings	not available	for	this	glass	combination	
		1/4	LAM	-	-	34	29	5/3/10	<a href="#">TL10-386</a>	
		LAM	1/4							
		LAM	LAM	-	-	34	29	5/4/10	<a href="#">TL10-387</a>	


**Acoustical Ratings**

Updated: 11/30/23

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


**Acoustical Ratings**

Updated: 11/30/23

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  STC 28-30	<b>1/8</b>	<b>1/8</b>	-	-	<b>28</b>	<b>24</b>	<b>6/23/11</b>	<a href="#">TL11-297</a>	
		<b>1/8</b>	<b>3/16</b>							
		1/8	5/32							
		3/16	1/8	-	-	<b>29</b>	<b>25</b>	<b>6/23/11</b>	<a href="#">TL11-303</a>	
		5/32	1/8							
		<b>1/8</b>	<b>1/4</b>	-	-	<b>28</b>	<b>24</b>	<b>6/23/11</b>	<a href="#">TL11-300</a>	
		1/4	1/8							
		<b>1/8</b>	<b>LAM</b>	-	-	<b>29</b>	<b>26</b>	<b>6/23/11</b>	<a href="#">TL11-301</a>	
		LAM	1/8							
		<b>3/16</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination	
		5/32	5/32							
		3/16	5/32							
		5/32	3/16							
<b>3/16</b>	<b>1/4</b>			-	-	<b>29</b>	<b>26</b>	<b>6/23/11</b>	<a href="#">TL11-302</a>	
5/32	1/4									
1/4	3/16									
1/4	5/32									
<b>3/16</b>	<b>LAM</b>	-	-	<b>29</b>	<b>26</b>	<b>6/23/11</b>	<a href="#">TL11-299</a>			
5/32	LAM									
LAM	3/16									
LAM	5/32									
<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination			
<b>1/4</b>	<b>LAM</b>	-	-	<b>30</b>	<b>27</b>	<b>6/23/11</b>	<a href="#">TL11-304</a>			
LAM	1/4									
<b>LAM</b>	<b>LAM</b>	-	-	<b>30</b>	<b>27</b>	<b>6/23/11</b>	<a href="#">TL11-298</a>			


**Acoustical Ratings**

Updated: 11/30/23

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
<p>picture window (direct transom)</p> 	<p><b>3643/63</b> (inswing)  size tested net 79" x 24"  STC n/a</p>	<b>1/8</b>	<b>1/8</b>	acoustical ratings	not available	for	this	glass	combination		
		<b>1/8</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination		
		1/8	5/32								
		3/16	1/8								
				5/32	1/8	acoustical ratings	not available	for	this	glass	combination
		<b>1/8</b>	<b>1/4</b>								
		1/4	1/8	acoustical ratings	not available	for	this	glass	combination		
		<b>1/8</b>	<b>LAM</b>								
		LAM	1/8	acoustical ratings	not available	for	this	glass	combination		
		<b>3/16</b>	<b>3/16</b>								
		5/32	5/32								
				3/16	5/32	acoustical ratings	not available	for	this	glass	combination
		5/32	3/16								
		<b>3/16</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination		
		5/32	1/4								
		1/4	3/16								
		1/4	5/32	acoustical ratings	not available	for	this	glass	combination		
		<b>3/16</b>	<b>LAM</b>								
		5/32	LAM								
		LAM	3/16	acoustical ratings	not available	for	this	glass	combination		
		LAM	5/32								
		<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination		
		<b>1/4</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination		
		LAM	1/4	acoustical ratings	not available	for	this	glass	combination		
		<b>LAM</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination		


**Acoustical Ratings**

Updated: 11/30/23

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)  size tested net 79" x 24"  STC n/a	<b>1/8</b>	<b>1/8</b>	acoustical ratings	not available	for	this	glass	combination		
		<b>1/8</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination		
		1/8	5/32								
		3/16	1/8								
				5/32	1/8						
		<b>1/8</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination		
		1/4	1/8								
		<b>1/8</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination		
		LAM	1/8								
		<b>3/16</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination		
		5/32	5/32								
		3/16	5/32								
5/32	3/16										
<b>3/16</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination				
5/32	1/4										
1/4	3/16										
1/4	5/32										
<b>3/16</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination				
5/32	LAM										
LAM	3/16										
LAM	5/32										
<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination				
<b>1/4</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination				
LAM	1/4										
<b>LAM</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination				

**Acoustical Ratings**


Updated: 11/30/23

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)  	<b>3644/64</b> (inswing)  size tested net 79" x 24"  STC n/a	<b>1/8</b>	<b>1/8</b>	acoustical ratings	not available	for	this	glass	combination		
		<b>1/8</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination		
		1/8	5/32								
		3/16	1/8								
				5/32	1/8						
		<b>1/8</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination		
		1/4	1/8								
		<b>1/8</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination		
		LAM	1/8								
		<b>3/16</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination		
		5/32	5/32								
		3/16	5/32								
				5/32	3/16						
<b>3/16</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination				
5/32	1/4										
1/4	3/16										
		1/4	5/32								
<b>3/16</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination				
5/32	LAM										
LAM	3/16										
		LAM	5/32								
<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination				
<b>1/4</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination				
LAM	1/4										
<b>LAM</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination				



**Acoustical Ratings**

Updated: 11/30/23

Operating Style	Series Numbers	Glass 1	Glass 2	Spacer		STC	OITC	Test Date	Test Number		
				Intercept or Cardinal	Foam or Dura****						
<p>picture window (panel transom)</p> 	<p>3647/67 (outswing)</p> <p>size tested net 79" x 24"</p> <p>STC n/a</p>	<b>1/8</b>	<b>1/8</b>	acoustical ratings	not available	for	this	glass	combination		
		<b>1/8</b>	<b>3/16</b>	acoustical ratings	not available	for	this	glass	combination		
		1/8	5/32								
		3/16	1/8								
				5/32	1/8	acoustical ratings	not available	for	this	glass	combination
		<b>1/8</b>	<b>1/4</b>								
		1/4	1/8	acoustical ratings	not available	for	this	glass	combination		
		<b>1/8</b>	<b>LAM</b>								
		LAM	1/8	acoustical ratings	not available	for	this	glass	combination		
		<b>3/16</b>	<b>3/16</b>								
		5/32	5/32								
				3/16	5/32	acoustical ratings	not available	for	this	glass	combination
		5/32	3/16								
		<b>3/16</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination		
		5/32	1/4								
		1/4	3/16								
		1/4	5/32	acoustical ratings	not available	for	this	glass	combination		
		<b>3/16</b>	<b>LAM</b>								
		5/32	LAM								
		LAM	3/16	acoustical ratings	not available	for	this	glass	combination		
		LAM	5/32								
		<b>1/4</b>	<b>1/4</b>	acoustical ratings	not available	for	this	glass	combination		
		<b>1/4</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination		
		LAM	1/4	acoustical ratings	not available	for	this	glass	combination		
		<b>LAM</b>	<b>LAM</b>	acoustical ratings	not available	for	this	glass	combination		