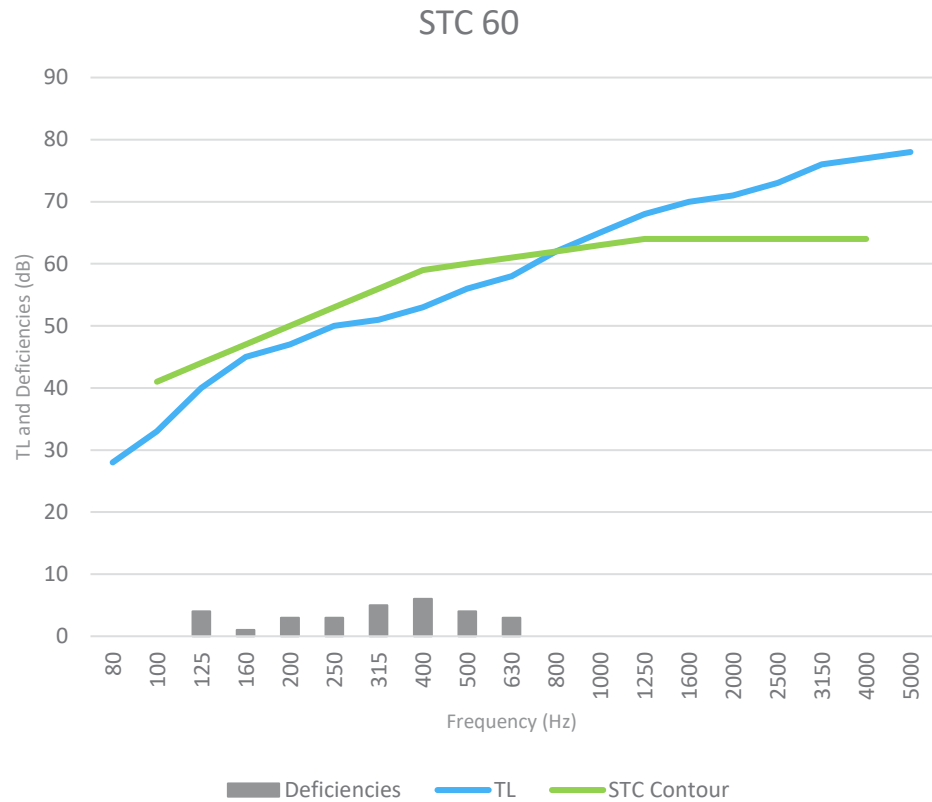


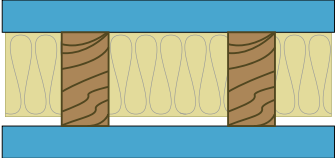






Acoustic Data			
Test Site:	National Research Council Canada 1200 Montreal Rd., Ottawa, ON, K1A 0R6	Test Number:	NRC TLA-05-048
Assembly Type:	Wall	Test Date:	9/16/2005
Method:	ASTM E90-09	Report Date:	9/16/2005

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	28	
100	33	
125	40	4
160	45	1
200	47	3
250	50	3
315	51	5
400	53	6
500	56	4
630	58	3
800	62	
1000	65	
1250	68	
1600	70	
2000	71	
2500	73	
3150	76	
4000	77	
5000	78	
<b>Total Deficiencies</b>		<b>29</b>



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m <sup>2</sup> )
1-3/8" QuietRock® 545 gypsum panel	608.7 (276.1)	6.30 (30.95)
2"x4" wood studs spaced 24" oc	92.2 (41.8)	1.00 (4.69)
3-1/2" glass fiber insulation	18.7 (8.5)	0.20 (0.95)
1-3/8" QuietRock® 545 gypsum panel	609.6 (276.5)	6.30 (31.00)
<b>Total</b>	<b>1,329.2 (602.9)</b>	<b>13.80 (67.59)</b>

Test Methods
Test methods follow the published standards listed below. All values derived for single-direction transmission loss measurements.
ASTM E90-09: Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
ASTM E413-16: Classification for Rating Sound Isolation

Design Details	Description	Acoustical	Fire
<p data-bbox="212 363 394 388"><b>PGD-02-10-035</b></p> 	<ul style="list-style-type: none"> <li data-bbox="529 363 1084 422">  2-1/4" Type S or W drywall screws 16" o.c. (for fire 2" screws spaced 12" o.c.).         </li> <li data-bbox="529 474 1084 533">  One Layer 1-3/8" QuietRock® 545 applied vertically or horizontally.         </li> <li data-bbox="529 569 1084 627">  2 x 4 wood studs 24" o.c.         </li> <li data-bbox="529 663 1084 722">  3-1/2" glass fiber insulation in stud space.         </li> <li data-bbox="529 774 1084 833">  One Layer 1-3/8" QuietRock® 545 applied vertically or horizontally.         </li> <li data-bbox="529 869 1084 928">  2-1/4" Type S or W drywall screws 16" o.c. (for fire 2" screws spaced 8" o.c. in the perimeter and 12" o.c. in the field).         </li> </ul>	<p data-bbox="1166 621 1235 646"><b>STC 60</b></p> <p data-bbox="1117 653 1284 678">NRCC TLA-05-048</p>	<p data-bbox="1382 621 1451 646"><b>1 Hour</b></p> <p data-bbox="1373 653 1459 678">UL U305</p>
<p data-bbox="139 951 477 976">6-1/4" Thick, 15.1 lb/ft<sup>2</sup>, Load Bering.</p>	<p data-bbox="521 951 927 976">Vertical joints staggered on opposite sides.</p>		