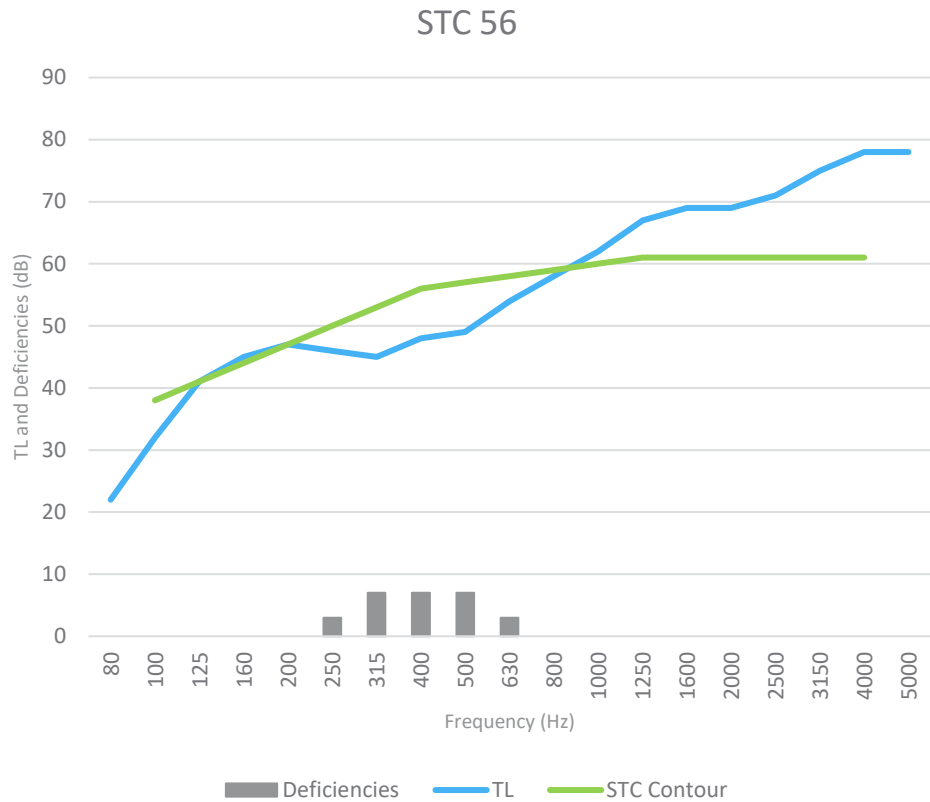


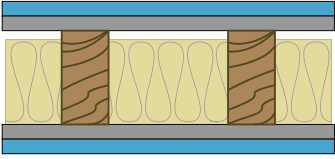










Acoustic Data			
Test Site:	National Research Council Canada 1200 Montreal Rd., Ottawa, ON, K1A 0R6	Test Number:	NRC TLA-04-052
Assembly Type:	Wall	Test Date:	8/05/2004
Method:	ASTM E90-09	Report Date:	8/05/2004

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	22	
100	32	
125	41	
160	45	
200	47	
250	46	3
315	45	7
400	48	7
500	49	7
630	54	3
800	58	
1000	62	
1250	67	
1600	69	
2000	69	
2500	71	
3150	75	
4000	78	
5000	78	
Total Deficiencies		27



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® 530	264.2 (119.8)	2.75 (13.43)
5/8" Flame Curb® Type X gypsum panel	217.0 (98.4)	2.25 (11.00)
2"x4" wood studs spaced 24" oc	80.9 (36.7)	0.84 (4.10)
3-1/2" glass fiber insulation	17.6 (8.0)	0.18 (0.90)
5/8" Flame Curb® Type X gypsum panel	216.3 (98.1)	2.25 (11.00)
5/8" QuietRock® 530	263.9 (119.7)	2.75 (13.42)
Total	1,059.9 (480.7)	11.02 (53.85)

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>PGD-02-10-080</p> 	<ul style="list-style-type: none">  1-5/8" Type S screws spaced 16" o.c. (for fire 1-5/8" drywall screws spaced 8" o.c.).  Face layer: 5/8" QuietRock® 530 or QuietRock® 530 RF type X gypsum panel applied vertically.  1-5/8" Type S screws spaced 16" o.c. (for fire 1-7/8" Type S drywall screws spaced 7" o.c.).  Base layer: 5/8" PABCO Flame Curb® type C gypsum panel applied vertically.  2 x 4 wood studs 24" o.c.  3-1/2" glass fiber insulation in stud space.  Base layer: 5/8" PABCO Frame Curb® type C gypsum panel applied vertically.  1-5/8" Type S screws spaced 16" o.c. (for fire 1-7/8" Type S drywall screws spaced 7" o.c.).  Face layer: 5/8" QuietRock® 530 or QuietRock® 530 RF type X gypsum panel applied vertically.  1-5/8" Type S screws spaced 16" o.c. (for fire 1-5/8" drywall screws spaced 8" o.c.). 	<p>STC 56 NRCC TLA-04-052</p>	<p>1 Hour UL U305</p>
<p>6" Thick, 11.4 lb/ft², Load Bearing.</p>	<p>Vertical joints staggered all layers, and on opposite sides.</p>		