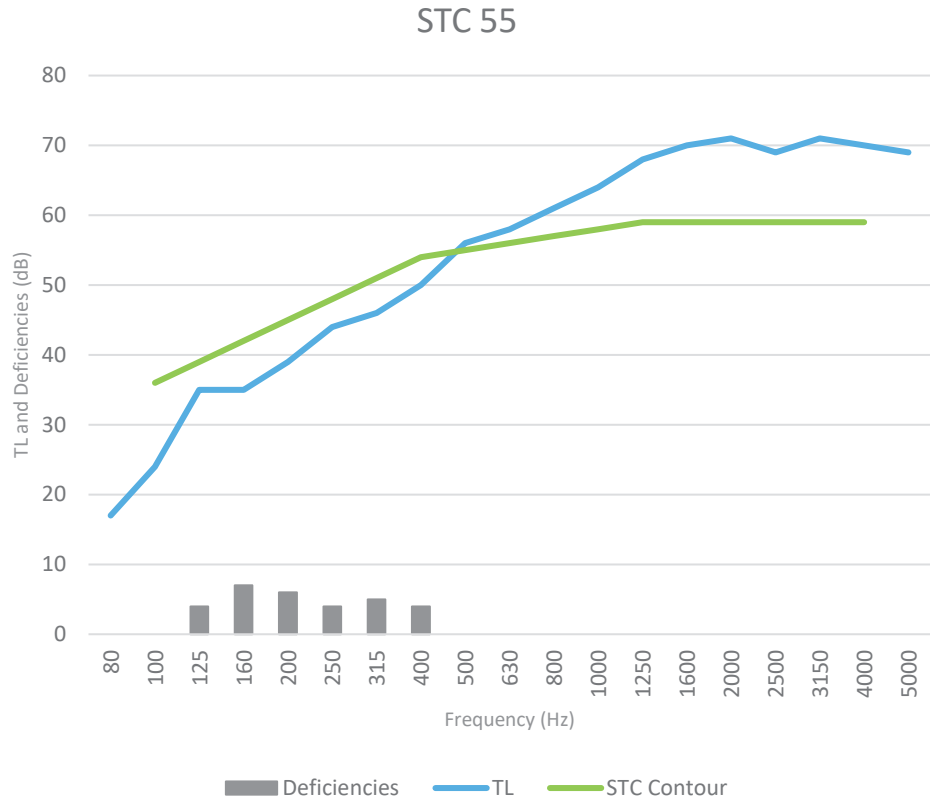


Acoustic Data

Test Site:	National Research Council Canada 1200 Montreal Rd., Ottawa, ON, K1A 0R6	Test Number:	NRC TLA-05-050
Assembly Type:	Wall	Test Date:	9/20/2005
Method:	ASTM E90-09	Report Date:	9/20/2005

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	17	
100	24	
125	35	4
160	35	7
200	39	6
250	44	4
315	46	5
400	50	4
500	56	
630	58	
800	61	
1000	64	
1250	68	
1600	70	
2000	71	
2500	69	
3150	71	
4000	70	
5000	69	
Total Deficiencies		30



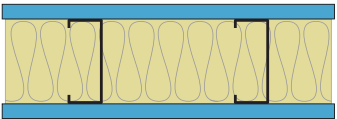






Assembly Mass

Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® 530	255.1 (115.7)	2.66 (12.97)
3-5/8" 25 ga. steel studs spaced 24" oc	30.0 (13.6)	0.31 (1.52)
3-1/2" glass fiber insulation	18.7 (8.5)	0.19 (0.95)
5/8" QuietRock® 530	254.4 (115.4)	2.65 (12.94)
Total	558.2 (253.2)	5.81 (28.38)

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-01-10-045</p> 	<ul style="list-style-type: none">  Minimum 1-1/4" Type S drywall screws 8" at edges and 12" in the field.  One Layer 5/8" QuietRock[®] 530 or QuietRock[®] 530 RF type X gypsum panel applied vertically.  3-5/8" 18 mil. (25 ga.) steel studs, 24" o.c.  3-1/2" glass fiber insulation in stud space.  One Layer 5/8" QuietRock[®] 530 or QuietRock[®] 530 RF type X gypsum panel applied vertically.  Minimum 1-1/4" Type S drywall screws 8" at edges and 12" in the field. 	<p>STC 55 NRC-TLA-05-050</p>	<p>1 Hour UL V464</p>
<p>4-7/8" Thick, 6.2 lb/ft², Non-Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		