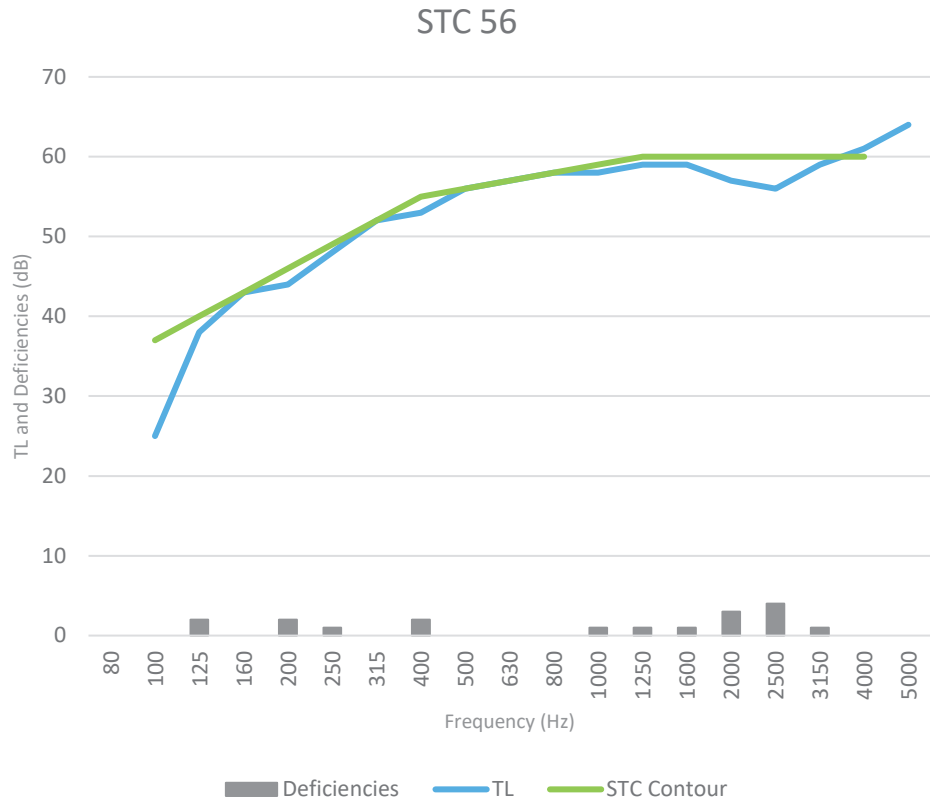


Acoustic Data

Test Site:	Riverbank Acoustical Laboratories 1512 S. Batavia Ave., Geneva, IL 60134	Test Number:	RAL TL07-031
Assembly Type:	Wall	Test Date:	1/25/2007
Method:	ASTM E90-09	Report Date:	1/25/2007

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80		
100	25	
125	38	2
160	43	
200	44	2
250	48	1
315	52	
400	53	2
500	56	
630	57	
800	58	
1000	58	1
1250	59	1
1600	59	1
2000	57	3
2500	56	4
3150	59	1
4000	61	
5000	64	
Total Deficiencies		18



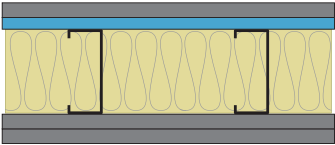










Assembly Mass

Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" Flame Curb® Type X gypsum panel	149.3 (67.7)	2.05 (10.00)
1/2" QuietRock® 510	156 (70.8)	2.15 (10.56)
3-5/8" 25 ga. steel studs spaced 24" oc	21.6 (9.8)	0.30 (1.46)
3-1/2" glass fiber insulation	20.5 (9.3)	0.28 (1.39)
5/8" Flame Curb® Type X gypsum panel	149.3 (67.7)	2.06 (10.00)
5/8" Flame Curb® Type X gypsum panel	149.3 (67.7)	2.06 (10.00)
Total	646.0 (293.0)	8.90 (43.40)

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-01-10-030</p> 	<ul style="list-style-type: none">  2-1/2 in. Type S drywall screws 16" o.c. (for fire minimum 1-1/2" Type S screws spaced 8" o.c. at edges and 12" o.c. in the field).  Face layer 5/8" type X (FLAME CURB®, PABCO® Glass Sheathing) gypsum panel applied vertically.  1-5/8" Type S drywall screws 16" o.c. (for fire 1" minimum Type S drywall screws).  Base layer: 1/2" QuietRock® 510 applied vertically.  3-5/8" 15 mil (25 ga. EQ) steel studs, 24" o.c.  3-1/2" glass fiber insulation in stud space.  Base layer 5/8" type X (FLAME CURB®, PABCO® Glass Sheathing) gypsum panel applied vertically.  1-5/8" Type S drywall screws 16" o.c. (for fire 1" Type S drywall screws)  Face layer 5/8" type X (FLAME CURB®, PABCO® Glass Sheathing) gypsum panel applied vertically.  2-1/2 in. Type S drywall screws at 16" o.c. (for fire minimum 1-5/8" Type S screws spaced 8" o.c. at edges and 12" o.c. in the field). 	<p>STC 56 RAL TL-07-031</p>	<p>1 Hour UL U465</p>
<p>6" Thick, 8.9 lb/ft², Non-Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		