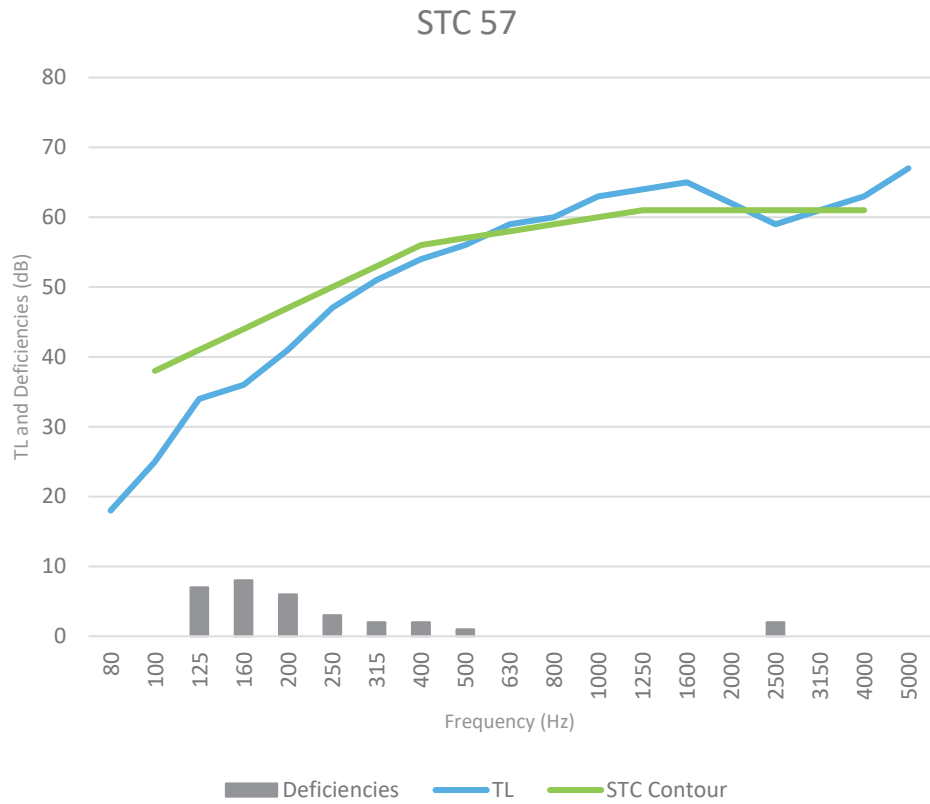


Acoustic Data

Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 18-0748
Assembly Type:	Wall	Test Date:	7/19/2018
Method:	ASTM E90-09	Report Date:	8/31/2018

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	18	
100	25	
125	34	7
160	36	8
200	41	6
250	47	3
315	51	2
400	54	2
500	56	1
630	59	
800	60	
1000	63	
1250	64	
1600	65	
2000	62	
2500	59	2
3150	61	
4000	63	
5000	67	
Total Deficiencies		31



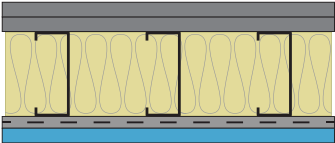










Assembly Mass

Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® ES Type X gypsum panel	255.6 (115.9)	2.66 (13.00)
Resilient channels spaced 24" OC	13.4 (6.1)	0.14 (0.68)
3-5/8" 43 mil (18 ga.) steel studs spaced 16" oc	113.8(51.6)	1.19 (5.79)
3-1/2" glass fiber insulation	22.0 (10.0)	0.23 (1.12)
5/8" Flame Curb® Type X gypsum panel	203.8 (92.4)	2.12 (10.36)
5/8" Flame Curb® Type X gypsum panel	204.4 (92.7)	2.13 (10.40)
Total	813.00 (368.77)	8.47 (41.35)

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-01-10-205</p> 	<ul style="list-style-type: none">  1-5/8" #6 Type S drywall screws spaced 8" o.c. at edges and 12" o.c. in the field.  One layer 5/8" type X (FLAME CURB®, MOLD CURB® Plus, ABUSE CURB®, PABCO® High Impact, PABCO® Glass Sheathing or PABCO® Gypsum Sheathing) gypsum panel applied vertically.  1-1/4" Type S drywall screws (for fire 1" Type S drywall screws) 8" o.c. at edges and 12" o.c. in the field.  One layer 5/8" type X (FLAME CURB®, MOLD CURB® Plus, ABUSE CURB®, PABCO® High Impact, PABCO® Glass Sheathing or PABCO® Gypsum Sheathing) gypsum panel applied vertically.  3-5/8" 43 mil (18 ga.) steel studs, 16" o.c.  3-1/2" glass fiber insulation in stud space.  Resilient channel applied at right-angle, 24" o.c.  1/2" Type S screws attaching resilient channel to stud at each intersection.  One Layer 5/8" QuietRock® ES or QuietRock® ES MR type X gypsum panel applied vertically.  1" #6 Type S drywall screws spaced 12" o.c. in the field. 	<p>STC 57 NOAL 18-0748</p>	<p>1 Hour UL U425</p>
<p>6" Thick, 8.5 lb/ft², Non-Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		