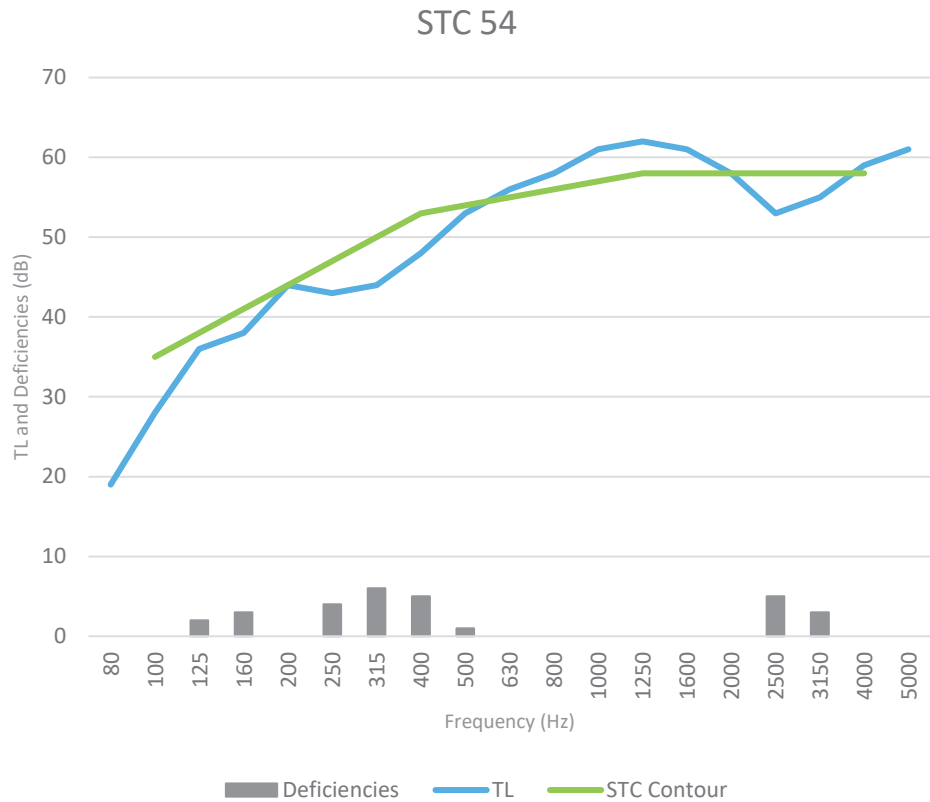


Acoustic Data

Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 18-1025
Assembly Type:	Wall	Test Date:	10/5/2018
Method:	ASTM E90-09	Report Date:	12/16/2018

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	19	
100	28	
125	36	2
160	38	3
200	44	
250	43	4
315	44	6
400	48	5
500	53	1
630	56	
800	58	
1000	61	
1250	62	
1600	61	
2000	58	
2500	53	5
3150	55	3
4000	59	
5000	61	
Total Deficiencies		29



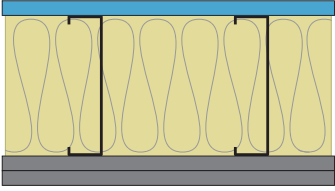








Assembly Mass

Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® ES Type X gypsum panel	258.2 (117.1)	2.69 (13.13)
6" 43 mil (18 ga.) steel studs spaced 24" oc	114.2 (51.8)	1.19 (5.81)
6-1/2" glass fiber insulation	25.4 (11.5)	0.26 (1.29)
5/8" Flame Curb® Type X gypsum panel	202.6 (91.9)	2.11 (10.30)
5/8" Flame Curb® Type X gypsum panel	201.6 (91.4)	2.10 (10.25)
Total	802.00 (363.78)	8.35 (40.79)

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-01-10-161</p> 	<ul style="list-style-type: none">  1" Type S drywall screws 12" o.c. in the field.  One Layer 5/8" QuietRock® ES or QuietRock® ES MR type X gypsum panel applied vertically.  6" 43 mil (18 ga.) steel studs, 24" o.c.  6-1/2" glass fiber insulation in stud space.  5/8" Type X (FLAME CURB®, WATER CURB®, MOLD CURB® Plus, ABUSE CURB®, PABCO® High Impact, PABCO® Glass Sheathing or PABCO® Gypsum Sheathing) gypsum panel applied vertically.  1" Type S drywall screws 12" o.c. in the field.  5/8" Type X (FLAME CURB®, WATER CURB®, MOLD CURB® Plus, ABUSE CURB®, PABCO® High Impact, PABCO® Glass Sheathing or PABCO® Gypsum Sheathing) gypsum panel applied vertically.  1-5/8" Type S drywall screws 12" o.c. in the field. 	<p>STC 54 NOAL 18-1025</p>	<p>1 Hour UL 425</p>
<p>7-7/8" Thick, 8.4 lb/ft², Load Bearing.</p>	<p>Vertical joints staggered 16" on opposite sides.</p>		