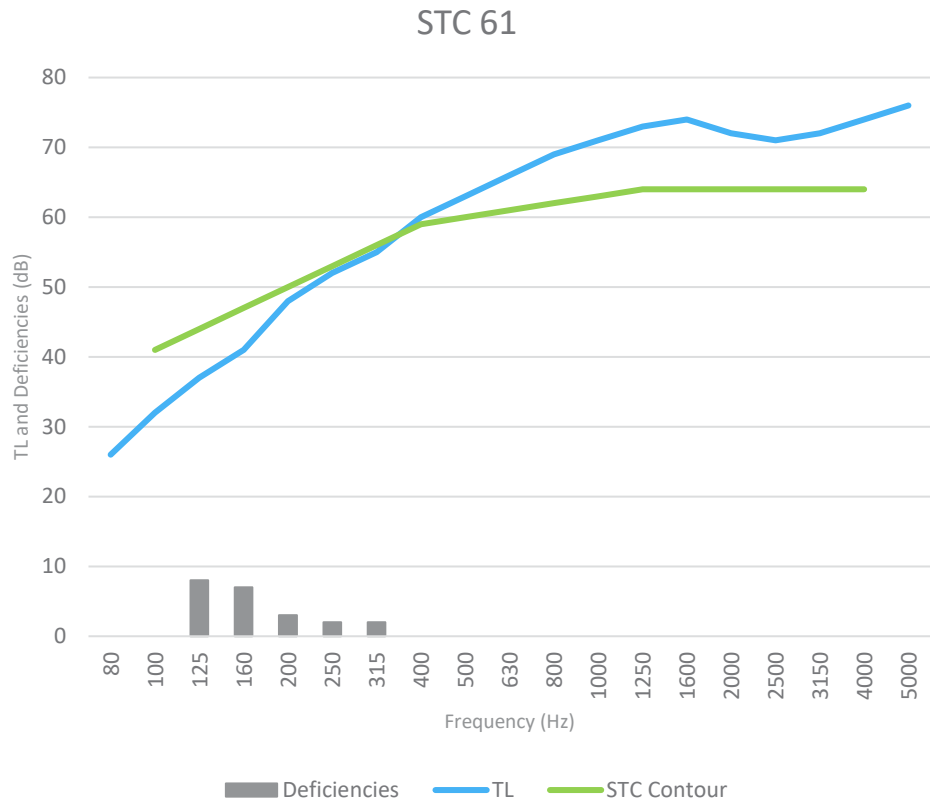


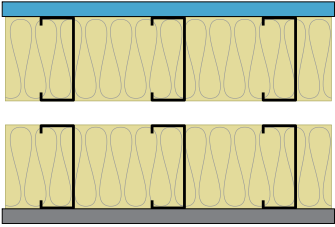









Acoustic Data			
Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 17-0925
Assembly Type:	Wall	Test Date:	9/20/2017
Method:	ASTM E90-09	Report Date:	10/24/2017

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	26	
100	32	
125	37	8
160	41	7
200	48	3
250	52	2
315	55	2
400	60	
500	63	
630	66	
800	69	
1000	71	
1250	73	
1600	74	
2000	72	
2500	71	
3150	72	
4000	74	
5000	76	
Total Deficiencies		22



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock ES® Type X gypsum panel	268.4 (121.7)	2.80 (13.65)
Double row 3-5/8" 15 mil (25 ga.) steel studs spaced 16" oc	71.0 (32.2)	0.74 (3.61)
2 Layers 3-1/2" glass fiber insulation	30.2 (13.7)	0.31 (1.54)
5/8" Flame Curb® Type X gypsum panel	198.0 (89.8)	2.06 (10.07)
Total	567.6 (257.46)	5.91 (28.87)

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-01-00-018</p> 	<ul style="list-style-type: none">  1" Type S drywall screws spaced 8" o.c. at edges and 12" o.c. in the field.  One Layer: 5/8" QuietRock® ES or QuietRock® ES MR type X gypsum panel applied vertically.  3-1/2" glass fiber insulation in stud space.  3-5/8" 15 mil (25 ga. EQ) steel studs, 16" o.c.  1" air gap.  3-5/8" 15 mil (.0155" 25 ga. EQ) steel studs, 16" o.c.  3-1/2" glass fiber insulation in stud space.  One layer: 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 spaced 8" o.c. at edges and 12" o.c. in the field. 	<p>STC 61 NOAL 17-0925</p>	<p>Non-Rated</p>
<p>9-1/2" Thick, 5.9 lb/ft², Non-Load Bearing.</p>	<p>Vertical joints staggered 16" on opposite sides.</p>		