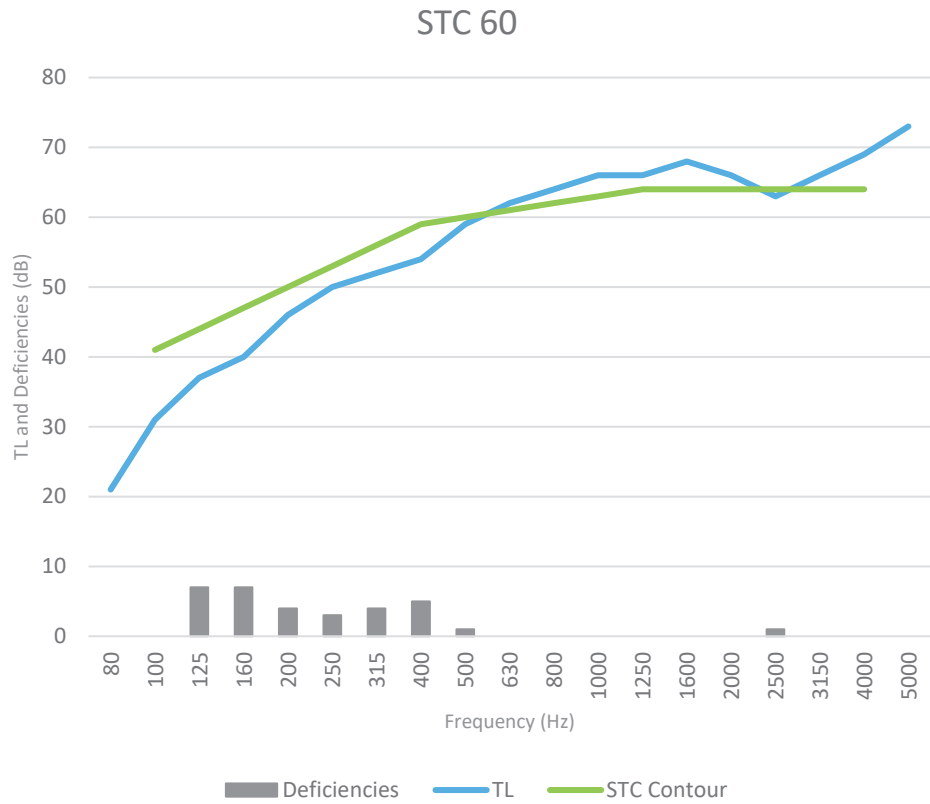


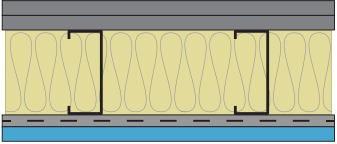










Acoustic Data			
Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 17-0530
Assembly Type:	Wall	Test Date:	5/18/2017
Method:	ASTM E90-09	Report Date:	7/5/2017

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	21	
100	31	
125	37	7
160	40	7
200	46	4
250	50	3
315	52	4
400	54	5
500	59	1
630	62	
800	64	
1000	66	
1250	66	
1600	68	
2000	66	
2500	63	1
3150	66	
4000	69	
5000	73	
Total Deficiencies		32



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® ES Type X gypsum panel	264.4 (119.9)	2.75 (13.45)
Resilient channels 24" oc	13.0 (5.9)	0.14 (0.66)
3-5/8" 19 mil (20 ga.) steel studs spaced 24" oc	36.8 (16.7)	0.38 (1.87)
3-1/2" glass fiber insulation	23.8 (10.8)	0.25 (1.21)
5/8" Flame Curb® Type X gypsum panel	204.8 (92.9)	2.13 (10.42)
5/8" Flame Curb® Type X gypsum panel	203.0 (92.1)	2.11 (10.32)
Total	745.76 (338.27)	7.77 (37.93)

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-01-10-075</p> 	<ul style="list-style-type: none">  1-5/8" 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" Type S screws spaced 8" o.c. at edges and 12" o.c. in the field.  Base layer 5/8" type X (FLAME CURB®, PABCO® Glass Sheathing) gypsum panel applied vertically.  3-5/8" 19 mil (20 ga. EQ) steel studs, 24" 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" Type S screws spaced 12" o.c. 	<p>STC 60 NOAL 17-0530</p>	<p>1 Hour UL U465 GA WP-0951</p>
<p>6" Thick, 7.8 lb/ft², Non-Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		