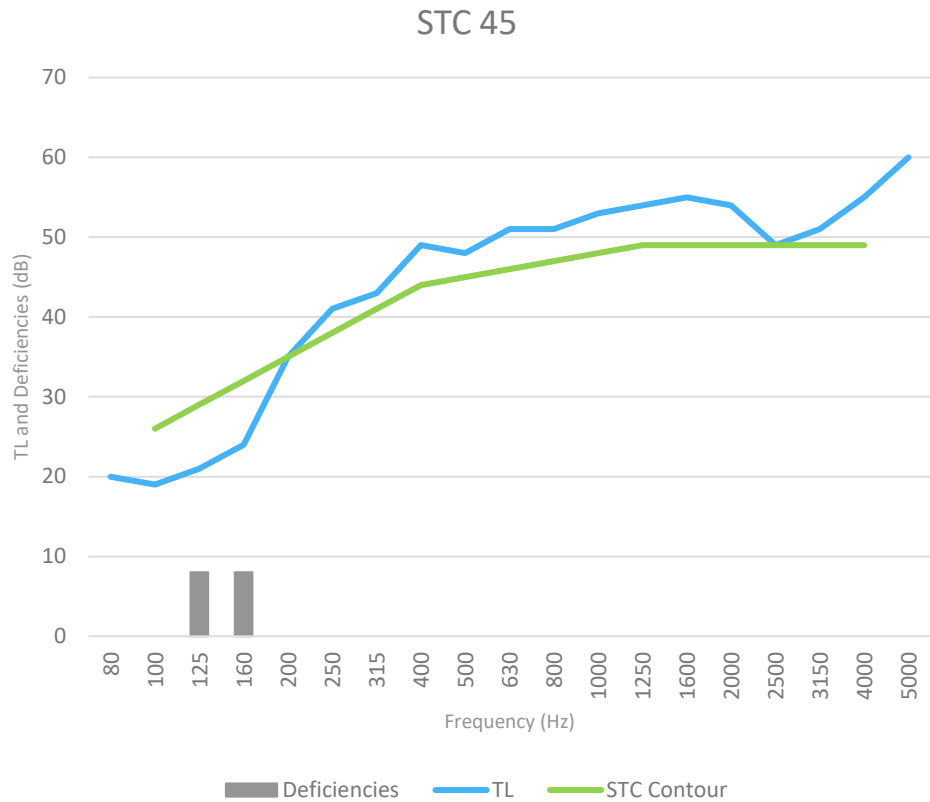


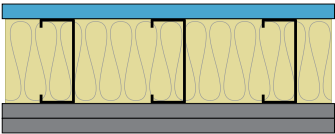








Acoustic Data			
Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 18-0608
Assembly Type:	Wall	Test Date:	6/5/2018
Method:	ASTM E90-09	Report Date:	8/29/2018

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	20	
100	19	
125	21	8
160	24	8
200	35	
250	41	
315	43	
400	49	
500	48	
630	51	
800	51	
1000	53	
1250	54	
1600	55	
2000	54	
2500	49	
3150	51	
4000	55	
5000	60	
Total Deficiencies		16



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" Flame Curb® Type X gypsum panel	198.6 (90.1)	2.07 (10.10)
5/8" Flame Curb® Type X gypsum panel	197.1 (89.4)	2.05 (10.02)
3-5/8" 68 mil (14 ga.) steel studs spaced 16" OC	172.4 (78.2)	1.80 (8.77)
3-1/2" glass fiber insulation	21.4 (9.7)	0.22 (1.09)
5/8" QuietRock® ES Type X gypsum panel	254.6 (115.5)	2.65 (12.95)
Total	844.10 (382.88)	8.79 (42.93)

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-01-10-315</p> 	<ul style="list-style-type: none">  1-1/4" 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.  3-5/8" 68 mil (14 ga.) steel studs, 16" o.c.  3-1/2" glass fiber insulation in stud space.  Base 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 spaced 8" o.c. at edges and 12" o.c. in the field.  Face 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.  1-5/8" Type S drywall screws spaced 8" o.c. at edges and 12" o.c. in the field. 	<p style="text-align: center;">STC 45 NOAL 18-0608</p>	<p style="text-align: center;">1 Hour UL U425</p>
<p>5.1/2" Thick, 8.8 lb/ft², Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		