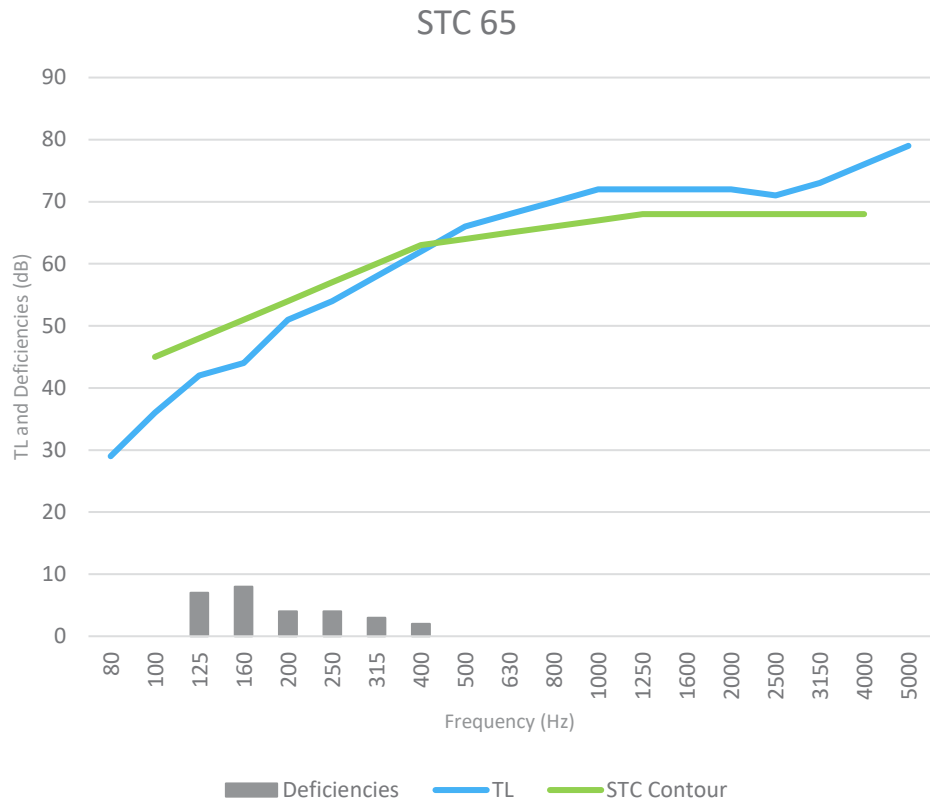


Acoustic Data			
Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 17-0914
Assembly Type:	Wall	Test Date:	9/18/2017
Method:	ASTM E90-09	Report Date:	10/24/2017

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	29	
100	36	
125	42	7
160	44	8
200	51	4
250	54	4
315	58	3
400	62	2
500	66	
630	68	
800	70	
1000	72	
1250	72	
1600	72	
2000	72	
2500	71	
3150	73	
4000	76	
5000	79	
Total Deficiencies		28



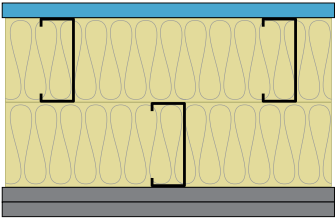








Assembly Mass

Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® ES Type X gypsum panel	271.8 (123.3)	2.83 (13.82)
Staggered 3-5/8" 15 mil (25 ga.) steel studs spaced 16" oc	75.0 (34.0)	0.78 (3.81)
6-1/4" glass fiber insulation	22.8 (10.3)	0.24 (1.16)
5/8" Flame Curb® Type X gypsum panel	200.9 (91.1)	2.09 (10.22)
5/8" Flame Curb® Type X gypsum panel	202.6 (91.9)	2.11 (10.30)
Total	773.1 (350.67)	8.05 (39.32)

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-01-10-003</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.  Face Layer: 5/8" QuietRock® ES or QuietRock® ES MR type X gypsum panel applied vertically.  Staggered-double row 3-5/8" 15 mil (25 ga. EQ) steel studs, 16" o.c.  6-1/4" 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" 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 65 NOAL 17-0914</p>	<p style="text-align: center;">1 Hour UL V464</p>
<p>9-1/8" Thick, 8.1 lb/ft², Non-Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		