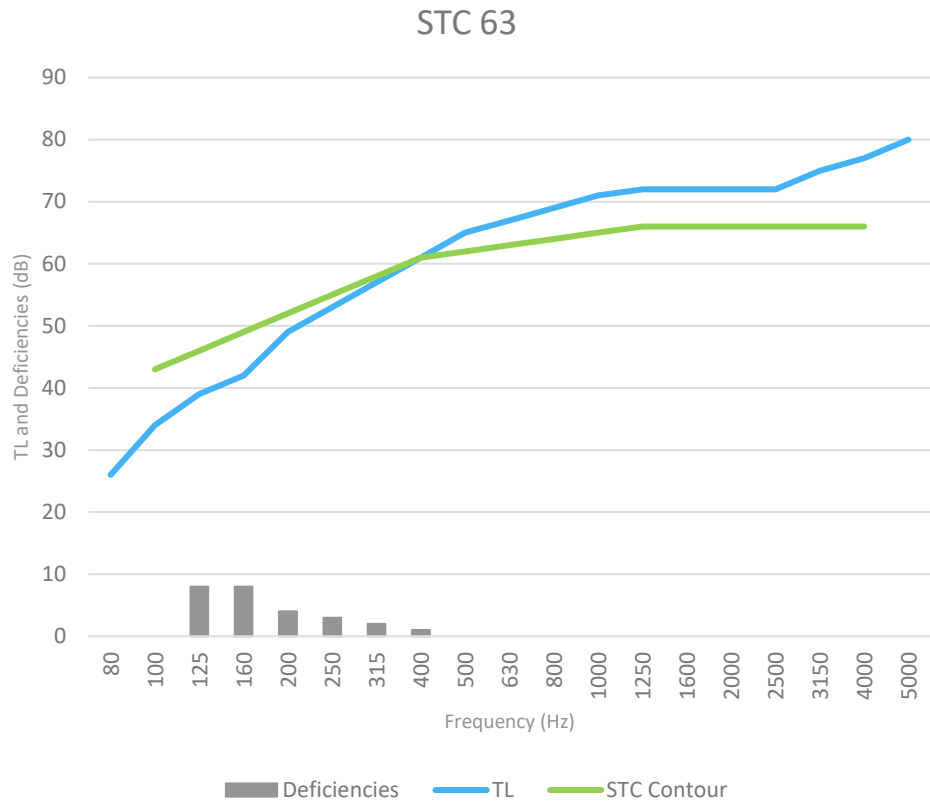


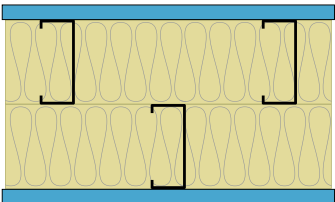






Acoustic Data			
Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 17-0912
Assembly Type:	Wall	Test Date:	9/18/2017
Method:	ASTM E90-09	Report Date:	10/24/2017

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	26	
100	34	
125	39	8
160	42	8
200	49	4
250	53	3
315	57	2
400	61	1
500	65	
630	67	
800	69	
1000	71	
1250	72	
1600	72	
2000	72	
2500	72	
3150	75	
4000	77	
5000	80	
Total Deficiencies		26



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-Double 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" QuietRock® ES Type X gypsum panel	270.4 (122.7)	2.82 (13.75)
Total	640.0 (290.30)	6.67 (32.55)

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-01-10-017</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.  Face layer: 5/8" QuietRock® ES or QuietRock® ES MR type X gypsum panel applied vertically.  1" type S drywall screws spaced 8" o.c. at edges and 12" o.c. in the field. 	<p>STC 63 NOAL 17-0912</p>	<p>1 Hour UL V464</p>
<p>8-1/2" Thick, 6.7 lb/ft², Non-Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		