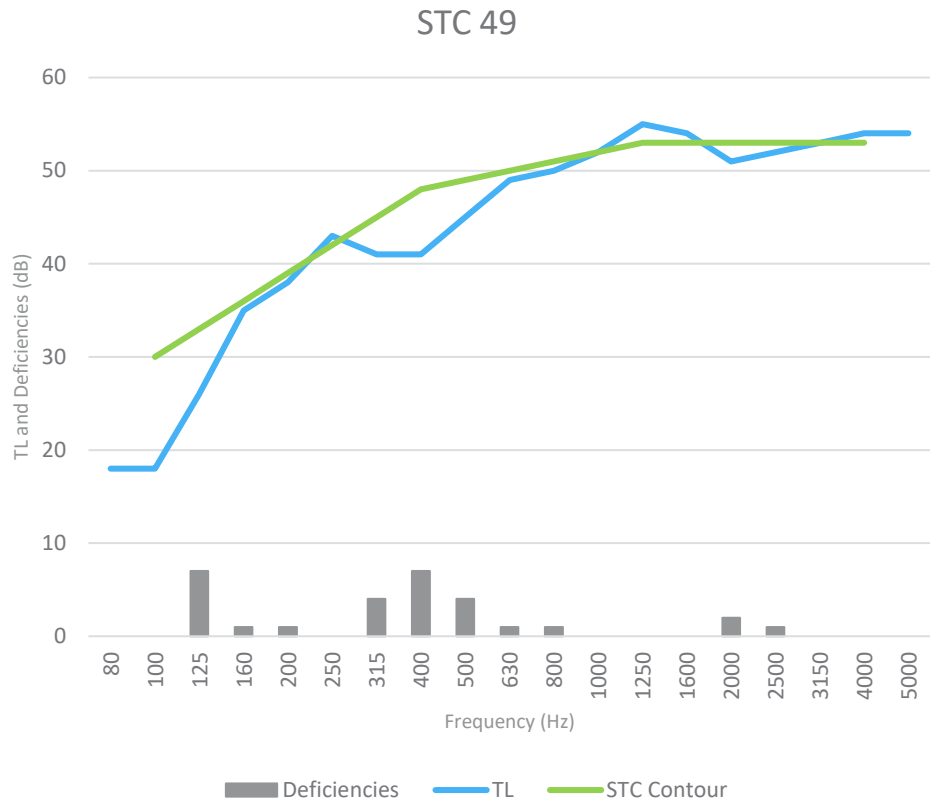


Acoustic Data

Test Site:	Western Electro-Acoustic Laboratory 25132 Rye Canyon Loop, Santa Clarita, CA 91355	Test Number:	WEAL-TL-10-398
Assembly Type:	Wall	Test Date:	5/14/2010
Method:	ASTM E90-03	Report Date:	5/14/2010

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	18	
100	18	
125	26	7
160	35	1
200	38	1
250	43	
315	41	4
400	41	7
500	45	4
630	49	1
800	50	1
1000	52	
1250	55	
1600	54	
2000	51	2
2500	52	1
3150	53	
4000	54	
5000	54	
Total Deficiencies		29



Assembly Mass

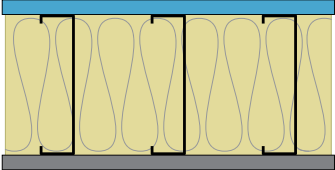






Building Element	Mass lb (kg)	Surface Weight PSF (kg/m2)
5/8" QuietRock® ES Type X gypsum panel		
6" 54 mil (16 ga.) steel studs spaced 16" oc		
6" glass fiber insulation		
5/8" Flame Curb® Type X gypsum panel		
Total	459.00 (208.00)	7.16 (35.00)

The test report did not itemize mass and surface weight by individual components

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-01-10-250</p> 	<ul style="list-style-type: none">  1-1/8" Type drywall screws (for fire 1" Type S drywall screws) 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.  6" 54 mil (16 ga.) steel studs, 16" o.c.  6" glass fiber insulation in stud space.  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.  1-1/8" Type drywall screws (for fire 1" Type S drywall screws) 8" o.c. at edges and 12" o.c. in the field. 	<p>STC 49 WEAL-TL-10-398</p>	<p>1 Hour UL U425, GA WP-1086</p>
<p>7-1/4" Thick, 7.2 lb/ft², Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		