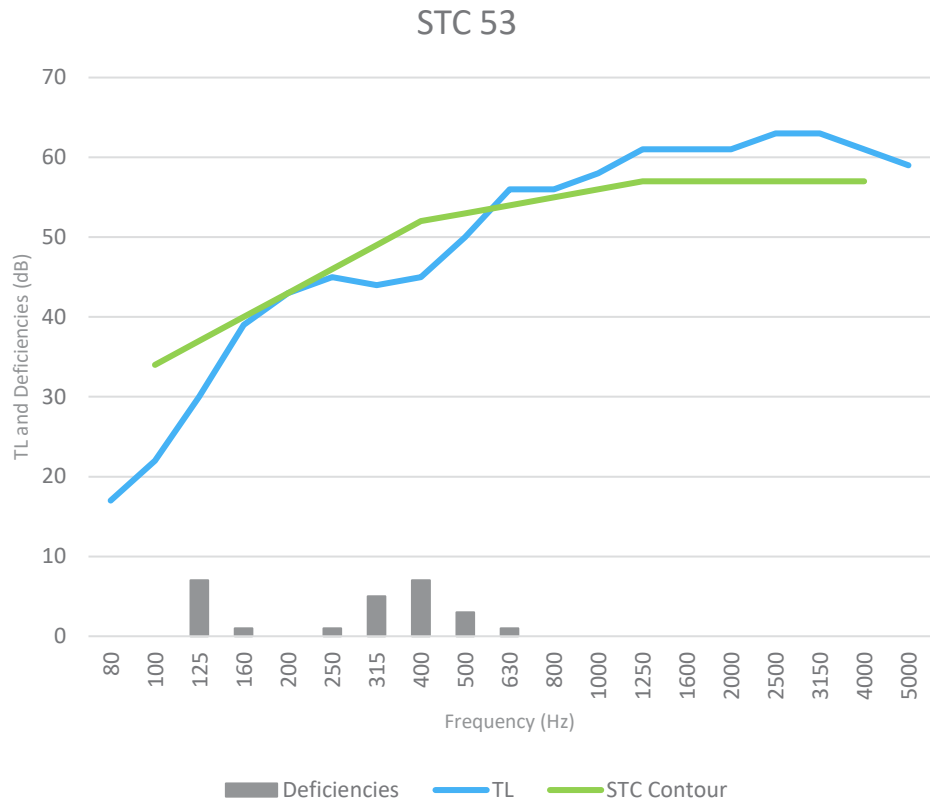


Acoustic Data

Test Site:	Western Electro-Acoustic Laboratory 25132 Rye Canyon Loop, Santa Clarita, CA 91355	Test Number:	WEAL-TL-10-399
Assembly Type:	Wall	Test Date:	5/14/2010
Method:	ASTM E90-03	Report Date:	5/14/2010

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	17	
100	22	
125	30	7
160	39	1
200	43	
250	45	1
315	44	5
400	45	7
500	50	3
630	56	1
800	56	
1000	58	
1250	61	
1600	61	
2000	61	
2500	63	
3150	63	
4000	61	
5000	59	
Total Deficiencies		25



Assembly Mass

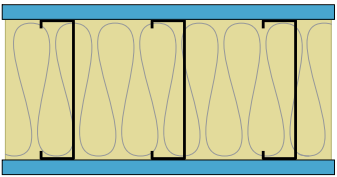






Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® ES Type X gypsum panel		
6" 54 mil (16 ga.) steel studs spaced 16" oc		
6" glass fiber insulation		
5/8" QuietRock® ES Type X gypsum panel		
Total	487.00 (221.00)	7.61 (37.1)

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-01-10-240</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.  One Layer 5/8" QuietRock® ES or QuietRock® ES MR type X 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 53 WEAL-TL-10-399</p>	<p>1 Hour UL U425, GA WP-1359</p>
<p>7-1/4" Thick, 7.6 lb/ft², Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		