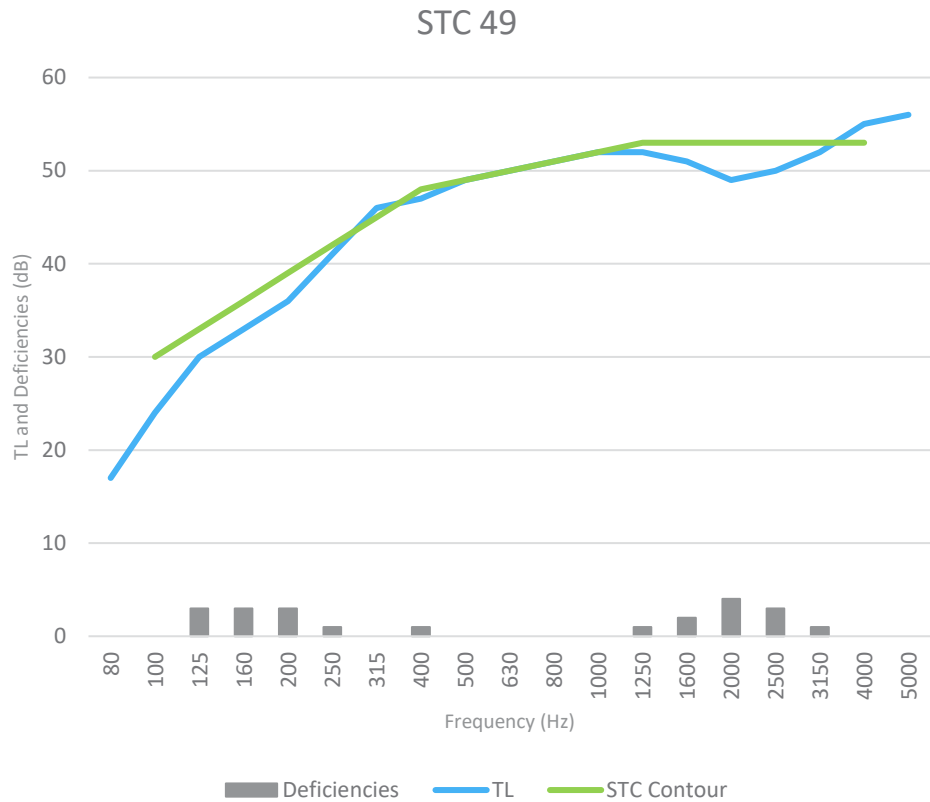


Acoustic Data			
Test Site:	Western Electro-Acoustic Laboratory 25132 Rye Canyon Loop, Santa Clarita, CA 91355	Test Number:	WEAL-TL-10-395
Assembly Type:	Wall	Test Date:	5/14/2010
Method:	ASTM E90-03	Report Date:	5/14/2010

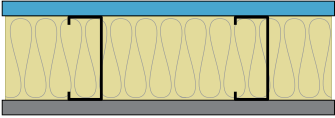






Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	17	
100	24	
125	30	3
160	33	3
200	36	3
250	41	1
315	46	
400	47	1
500	49	
630	50	
800	51	
1000	52	
1250	52	1
1600	51	2
2000	49	4
2500	50	3
3150	52	1
4000	55	
5000	56	
Total Deficiencies		22



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® ES Type X gypsum panel		
3-5/8" 54 mil (16 ga.) steel studs spaced 24" oc		
3-1/2" glass fiber insulation		
5/8" Flame Curb® Type X gypsum panel		
Total	408.00 (185.00)	6.37 (31.10)

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-01-10-260</p> 	<ul style="list-style-type: none">  1-1/8" 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.  3-5/8" 54 mil (16 ga.) steel studs, 24" o.c.  3-1/2" 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 S drywall screws 8" o.c. at edges and 12" o.c. in the field. 	<p>STC 49 WEAL TL 10-395 5/7/10</p>	<p>1 Hour UL U425 GA WP-1088</p>
<p>4-7/8" Thick, 6.4 lb/ft², Load Bearing.</p>	<p>Vertical joints staggered on opposite sides.</p>		