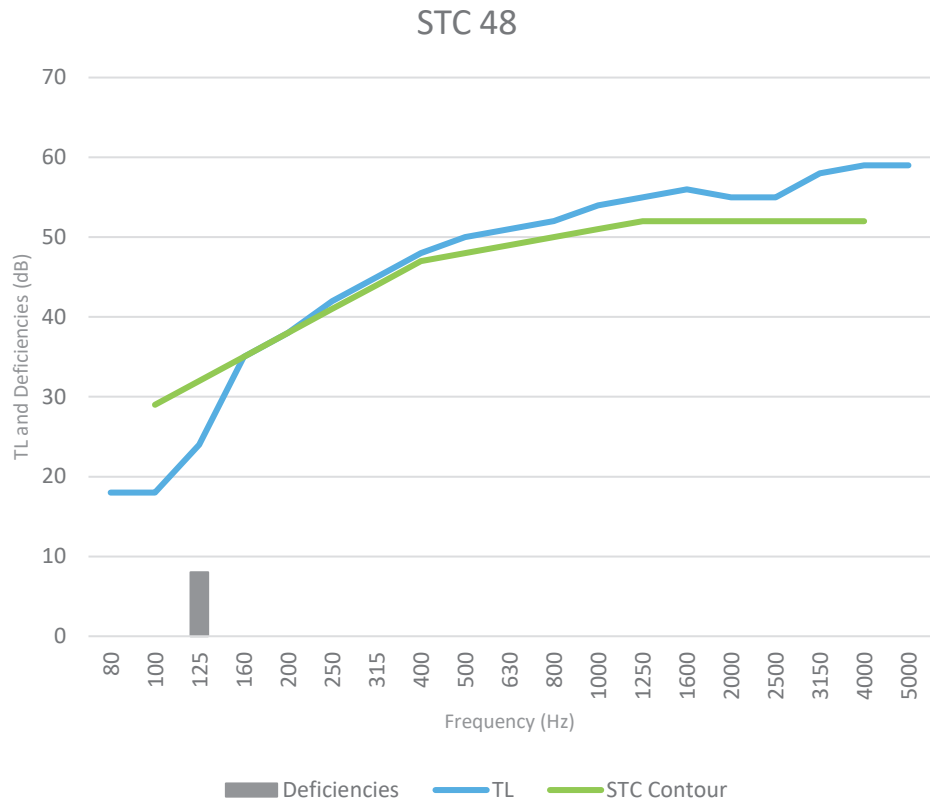


Acoustic Data			
Test Site:	Western Electro-Acoustic Laboratory 25132 Rye Canyon Loop, Santa Clarita, CA 91355	Test Number:	WEAL-TL-10-394
Assembly Type:	Wall	Test Date:	5/14/2010
Method:	ASTM E90-03	Report Date:	5/14/2010

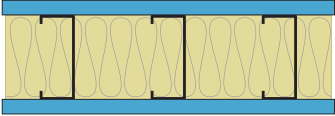






Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	18	
100	18	
125	24	8
160	35	
200	38	
250	42	
315	45	
400	48	
500	50	
630	51	
800	52	
1000	54	
1250	55	
1600	56	
2000	55	
2500	55	
3150	58	
4000	59	
5000	59	
Total Deficiencies		8



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 16" oc		
3-1/2" glass fiber insulation		
5/8" QuietRock® ES Type X gypsum panel		
Total	457.00 (207.00)	7.14 (34.90)

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-01-10-270</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, 16" o.c.  3-1/2" 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 S drywall screws 8" o.c. at edges and 12" o.c. in the field. 	<p>STC 48 WEAL-TL-10-394</p>	<p>1 Hour UL U425</p>
<p>4-7/8" Thick, 7.2 lb/ft², Load Bearing.</p>	<p>Vertical joints staggered 16" on opposite sides.</p>		