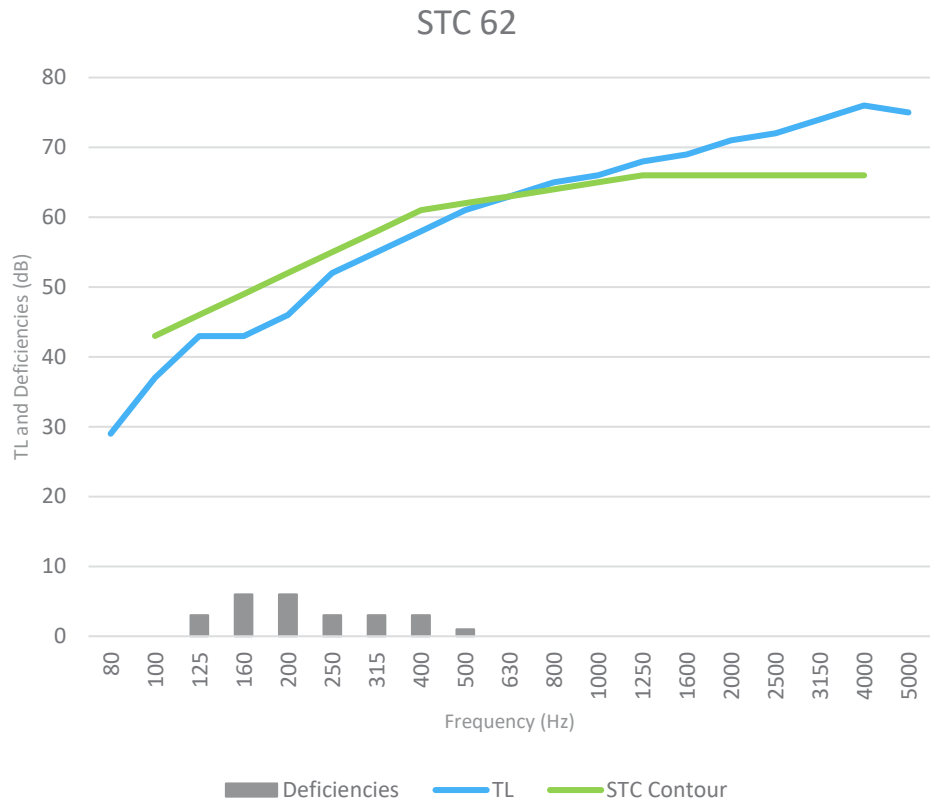


Acoustic Data

Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 18-0903
Assembly Type:	Wall	Test Date:	9/10/2018
Method:	ASTM E90-09	Report Date:	10/20/2018

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	29	
100	37	
125	43	3
160	43	6
200	46	6
250	52	3
315	55	3
400	58	3
500	61	1
630	63	
800	65	
1000	66	
1250	68	
1600	69	
2000	71	
2500	72	
3150	74	
4000	76	
5000	75	
Total Deficiencies		25



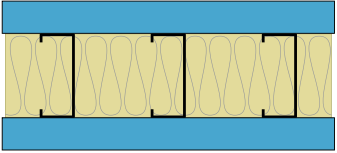






Assembly Mass

Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
1-3/8" QuietRock® 545 gypsum panel	583.0 (264.4)	6.07 (29.65)
3-5/8" 33 mil (20 ga.) steel studs spaced 16" oc	93.6 (42.5)	0.98 (4.76)
3-1/2" glass fiber insulation	20.0 (9.1)	0.21 (1.20)
1-3/8" QuietRock® 545 gypsum panel	582.0 (264.0)	6.06 (29.60)
Total	1,278.6 (580.0)	13.32 (65.21)

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 data-bbox="212 363 394 388">PGD-01-20-055</p> 	<ul style="list-style-type: none"> <li data-bbox="532 363 1062 430">  1-7/8" Type S drywall screws (for fire 2" Type S screws) spaced 8" o.c. at edges and 12" o.c. in the field. <li data-bbox="532 468 1062 514">  One Layer 1-3/8" QuietRock[®] 545 type X gypsum panel applied vertically. <li data-bbox="532 552 980 598">  3-5/8" 33 mil (20 ga.) steel studs, 16" o.c. <li data-bbox="532 657 997 703">  3-1/2" glass fiber insulation in stud space. <li data-bbox="532 762 1062 808">  One Layer 1-3/8" QuietRock[®] 545 type X gypsum panel applied vertically. <li data-bbox="532 825 1062 892">  1-7/8" Type S drywall screws (for fire 2" Type S screws) spaced 8" o.c. at edges and 12" o.c. in the field. 	<p data-bbox="1133 604 1271 657" style="text-align: center;">STC 62 NOAL 18-0903</p>	<p data-bbox="1377 604 1463 657" style="text-align: center;">2 Hour UL W466</p>
<p data-bbox="105 915 505 940">6-3/8" Thick, 13.4 lb/ft², Non-Load Bearing.</p>	<p data-bbox="524 915 927 940">Vertical joints staggered on opposite sides.</p>		