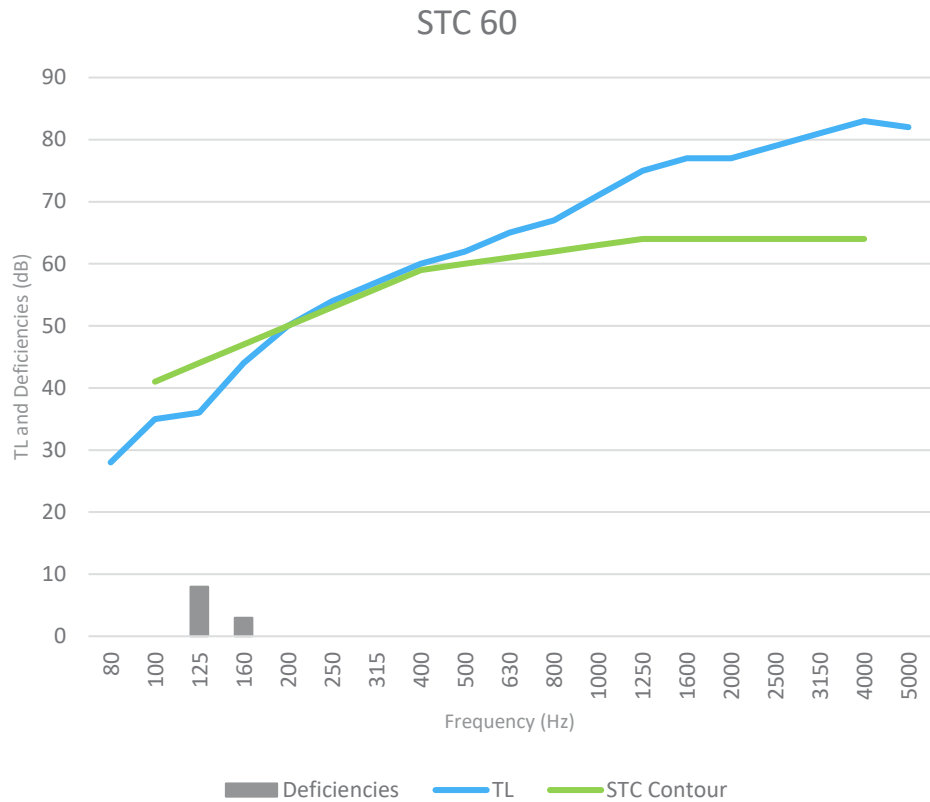


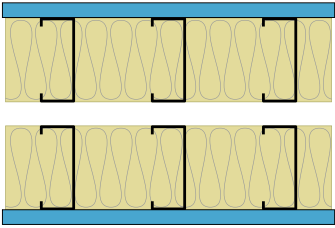









Acoustic Data			
Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 18-0919
Assembly Type:	Wall	Test Date:	9/14/2018
Method:	ASTM E90-09	Report Date:	10/20/2018

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	28	
100	35	
125	36	8
160	44	3
200	50	
250	54	
315	57	
400	60	
500	62	
630	65	
800	67	
1000	71	
1250	75	
1600	77	
2000	77	
2500	79	
3150	81	
4000	83	
5000	82	
Total Deficiencies		11



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock® 530	265.4 (120.4)	2.76 (13.50)
Double row 3-5/8" 54 mil (16 ga.) steel studs spaced 16" oc	284.8 (129.2)	2.97 (14.48)
2 Layers 3-1/2" glass fiber insulation	40.8 (18.5)	0.43 (2.08)
5/8" QuietRock® 530	264.0 (119.7)	2.75 (13.43)
Total	855.0 (387.8)	8.91 (43.49)

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="212 359 396 386">PGD-01-20-054</p> 	<ul style="list-style-type: none"> <li data-bbox="532 363 1078 422"> 1" Type S-12 drywall screws spaced 8" o.c. at edges and 12" o.c. in the field. <li data-bbox="532 474 1040 533"> One Layer 5/8" QuietRock® 530 type X gypsum panel applied vertically. <li data-bbox="532 569 992 627"> 3-1/2" glass fiber insulation in stud space. <li data-bbox="532 674 976 732"> 3-5/8" 54 mil (16 ga.) steel studs, 16" o.c. <li data-bbox="532 779 699 837"> 1" air gap. <li data-bbox="532 884 976 942"> 3-5/8" 54 mil (16 ga.) steel studs, 16" o.c. <li data-bbox="532 989 992 1047"> 3-1/2" glass fiber insulation in stud space. <li data-bbox="532 1094 1040 1152"> One Layer 5/8" QuietRock® 530 type X gypsum panel applied vertically. <li data-bbox="532 1178 1078 1236"> 1" Type S-12 drywall screws spaced 8" o.c. at edges and 12" o.c. in the field. 	<p data-bbox="1166 772 1235 800">STC 60</p> <p data-bbox="1133 806 1268 833">NOAL 18-0919</p>	<p data-bbox="1382 772 1451 800">1 Hour</p> <p data-bbox="1377 806 1456 833">UL V464</p>
<p data-bbox="110 1255 496 1283">9-1/2" Thick, 8.9 lb/ft², Non-Load Bearing.</p>	<p data-bbox="524 1255 927 1283">Vertical joints staggered on opposite sides.</p>		