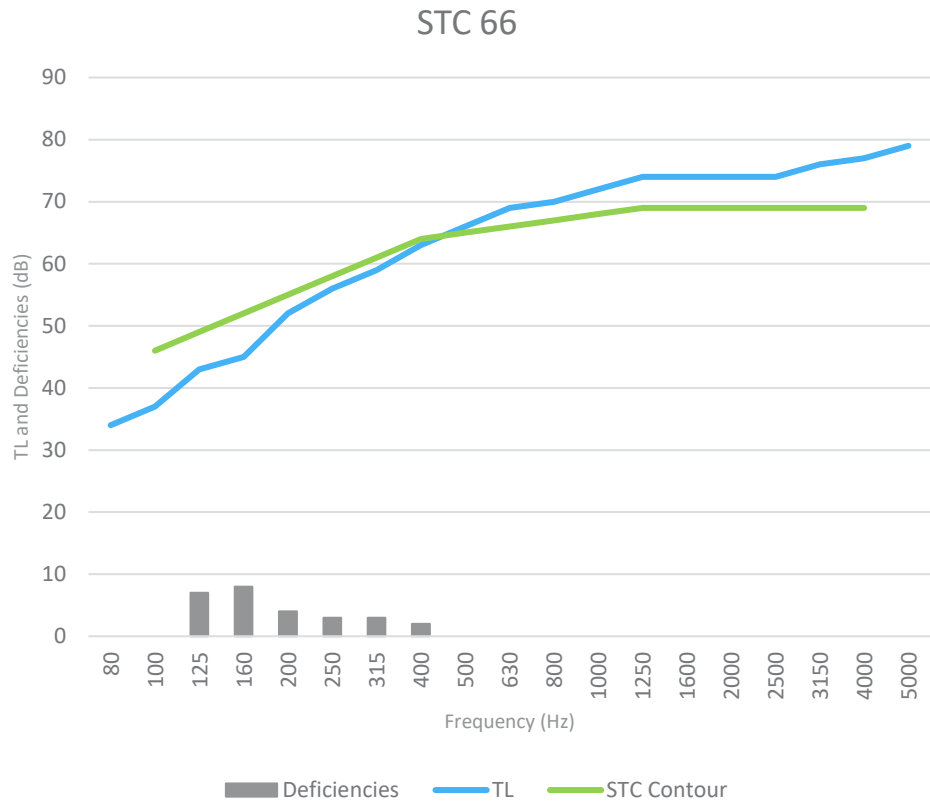


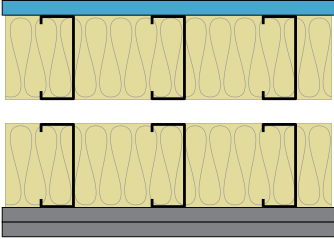











Acoustic Data			
Test Site:	North Orbit Acoustic Laboratories P.O. Box 6948 Minneapolis, MN 55406-0948	Test Number:	NOAL 17-0926
Assembly Type:	Wall	Test Date:	9/20/2017
Method:	ASTM E90-09	Report Date:	10/24/2017

Frequency (Hz)	TL (dB)	Deficiencies (dB)
80	34	
100	37	
125	43	7
160	45	8
200	52	4
250	56	3
315	59	3
400	63	2
500	66	
630	69	
800	70	
1000	72	
1250	74	
1600	74	
2000	74	
2500	74	
3150	76	
4000	77	
5000	79	
Total Deficiencies		27



Assembly Mass		
Building Element	Mass lb (kg)	Surface Weight PSF (kg/m ²)
5/8" QuietRock ES®	268.4 (121.7)	2.8 (13.65)
Double row 3-5/8" 15 mil (25 ga.) steel studs spaced 16" oc	71.0 (32.2)	0.74 (3.61)
2 Layers 3-1/2" glass fiber insulation	30.2 (13.7)	0.31 (1.54)
5/8" Flame Curb® Type X gypsum panel	198.0 (89.8)	2.06 (10.07)
5/8" Flame Curb® Type X gypsum panel	202.6 (91.9)	2.11 (10.30)
Total	770.2 (349.36)	8.02 (39.17)

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-01-00-012</p> 	<ul style="list-style-type: none"> <li data-bbox="532 365 1081 422"> 1" Type S drywall screws spaced 8" o.c. at edges and 12" o.c. in the field. <li data-bbox="532 468 1081 512"> One Layer 5/8" QuietRock® ES or QuietRock® ES MR type X gypsum panel applied vertically. <li data-bbox="532 558 1081 606"> 3-1/2" glass fiber insulation in stud space. <li data-bbox="532 653 1081 709"> 3-5/8" 15 mil (25 ga. EQ) steel studs, 16" o.c. <li data-bbox="532 756 1081 812"> 1" air gap. <li data-bbox="532 858 1081 915"> 3-5/8" 15 mil (25 ga. EQ) steel studs, 16" o.c. <li data-bbox="532 961 1081 1018"> 3-1/2" glass fiber insulation in stud space. <li data-bbox="532 1064 1081 1146"> Base layer: 5/8" type X (FLAME CURB®, WATER CURB®, MOLD CURB® Plus, ABUSE CURB®, PABCO® High Impact, PABCO® Glass Sheathing or PABCO® Gypsum Sheathing) gypsum panel applied vertically. <li data-bbox="532 1150 1081 1207"> 1" Type S drywall screws spaced 8" o.c. at edges and 12" o.c. in the field. <li data-bbox="532 1232 1081 1314"> Face layer: 5/8" type X (FLAME CURB®, WATER CURB®, MOLD CURB® Plus, ABUSE CURB®, PABCO® High Impact, PABCO® Glass Sheathing or PABCO® Gypsum Sheathing) gypsum panel applied vertically. <li data-bbox="532 1318 1081 1375"> 2" Type S drywall screws spaced 8" o.c. at edges and 12" o.c. in the field. 	<p data-bbox="1166 856 1235 877">STC 66</p> <p data-bbox="1133 890 1268 911">NOAL 17-0926</p>	<p data-bbox="1360 856 1471 877">Non-Rated</p>
<p data-bbox="107 1415 500 1436">10-1/8" Thick, 8.1 lb/ft², Non-Load Bearing.</p>	<p data-bbox="526 1415 959 1436">Vertical joints staggered 16" on opposite sides.</p>		