Unofficial Test Results & Preliminary Data Sheet

Riverbank Acoustical Laboratories (RAL)™ / An Alion Science Technical Center (RALVer 15.2)
Laboratory Measurement of Airborne Sound Transmission Loss
of Building Partitions ASTM E 90-09/NVLAP 08/P06

TEST NUMBER: TL17-455 TEST DATE: OCTOBER 11, 2017

CLIENT: Commercial Acoustics
DESIGNATION: Wall Assembly - 14ga. 6" steel stud wall 24" oc, insulated with R-19, 2 layers of 5/8" Type X Drywall on the Source Side, 1 Layer of Wall Blokker PRO(1/8"EVA,1 lb/sf) plus 2 Layers 5/8" Type X Drywall on the Receive Side

DIMENSIONS: 168" wide x 108" high x 8.625" thick
AREA: 126.0 ft²
WEIGHT: 1446.25 lbs AREA WEIGHT: 11.48 lbs/ft²
SPECIMEN DETAILS:

SOURCE ROOM: Room 1 Volume = 6254.5 ft³ Area = 2042 ft²
RECEIVE ROOM: Room 2 Volume = 6297.6 ft³ Area = 2066.2 ft²
FILE NAME: TL17_455_171011_A.doc

FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <CONT	FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <CONT
100	**31**	0.58		800	**57**	0.12	1
125	**40**	0.37		1k	**60**	0.14	
160	**43**	0.43		1.25k	**62**	0.16	
200	**47**	0.48		1.6k	**64**	0.17	
250	**48**	0.29	1	2k	**58**	0.07	2
315	**48**	0.31	4	2.5k	**54**	0.06	6
400	**51**	0.34	4	3.15k	**56**	0.06	4
500	**54**	0.17	2	4k	**60**	0.05	
630	**54**	0.14	3	5k	**62**	0.07	

Sound Transmission Class (STC) = 56
Total Deficiencies = 27

Extended Frequency Data

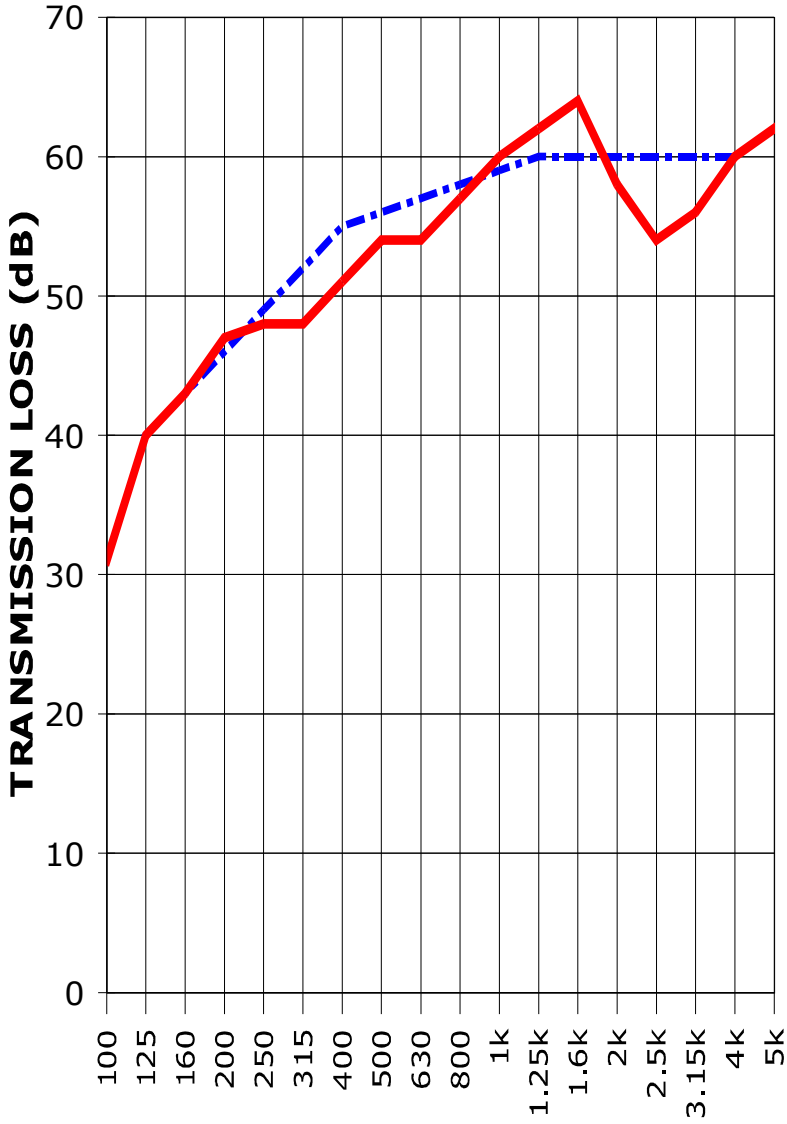
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
32	**16**	1.46		6.3k	**65**	0.08	
40	**22**	0.84		8k	**68**	0.07	
50	**17**	0.89		10k	**65**	0.06	
63	**13**	0.44		12.5k	**61**	0.06	
80	**22**	0.73					

R: 55
OITC: 40

Test Conducted by Marc Sciaky

This single report page and accompanying graph contain the instantaneous raw data as provided to the client after testing of the specimen. This data, although accurate, is incomplete without the full specimen description, mounting details and signature pages. The full report referenced by the RAL test number above should be consulted for further information regarding these results.

SOUND TRANSMISSION REPORT
RAL - TL17-455



STC = 56

TRANSMISSION LOSS
SOUND TRANSMISSION LOSS CONTOUR