



WESTERN ELECTRO - ACOUSTIC LABORATORY

A division of Veneklasen Associates, Inc.

T E S T I N G • C A L I B R A T I O N • R E S E A R C H

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SOUND TRANSMISSION LOSS TEST REPORT NO. TL10-585

CLIENT: **Complete Soundproofing**
3750 Riviera Dr. #3
San Diego, CA 92109

Page 1 of 2
8 October 2010

TEST DATE: 30 August 2010

INTRODUCTION

The methods and procedures used for each test conform to the provisions and requirements of ASTM E 90-09, *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions* and ASTM E2235-04^{e1}, *Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods*. Copies of the test standard are available at www.astm.org.

The test chamber source and receiving room volumes are 204 and 148.4 cubic meters respectively.

Western Electro-Acoustic Laboratory is accredited by the United States Department of Commerce, National Institute of Standards and Technology under the National Voluntary Accreditation Program (NVLAP) Lab Code 100256-0 for this test procedure. This test report relates only to the item(s) tested.

This report must not be used to claim product certification, approval, or endorsement by WEAL, NVLAP, NIST or any agency of the federal government.

DESCRIPTION OF TEST SPECIMEN

The test specimen was a white vinyl curtain lining. According to the client the specimen was:

Quiet Curtains STC 17 fire rated lining

Wood furring strips were used to secure the specimen against the edges of the 2 x 8's on the source room side of the test chamber around the entire perimeter. The specimen was caulked around the entire perimeter on the receiving room side. The net dimensions of the vinyl sheet were 1.37 m (53.8 inches) by 3.21 m (126.5 inches). The vinyl sheet weighted 5.90 kg (13 lbs.) for a calculated surface density of 1.34 kg/m² (0.275 lbs./ft²). The dimensions of the opening were 1.10 m (43.5 inches) wide by 1.97 m (77.5 inches) high. To calculate the sound transmission loss, the opening area, 2.18 m², (23.41 ft²), was used.

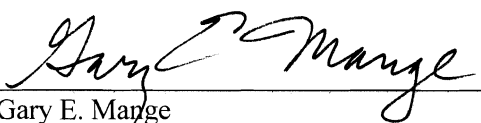
RESULTS OF THE MEASUREMENTS

One-third octave band sound transmission loss values are plotted and tabulated on the attached sheet.

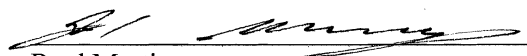
ASTM minimum volume requirements are met at 80 Hz and above. The Outdoor-Indoor Transmission Class rating determined in accordance with ASTM E 1332-90(2003) was OITC-12. The Sound Transmission Class rating determined in accordance with ASTM E 413-04 was STC-17.

Approved:

Respectfully submitted,
Western Electro-Acoustic Laboratory



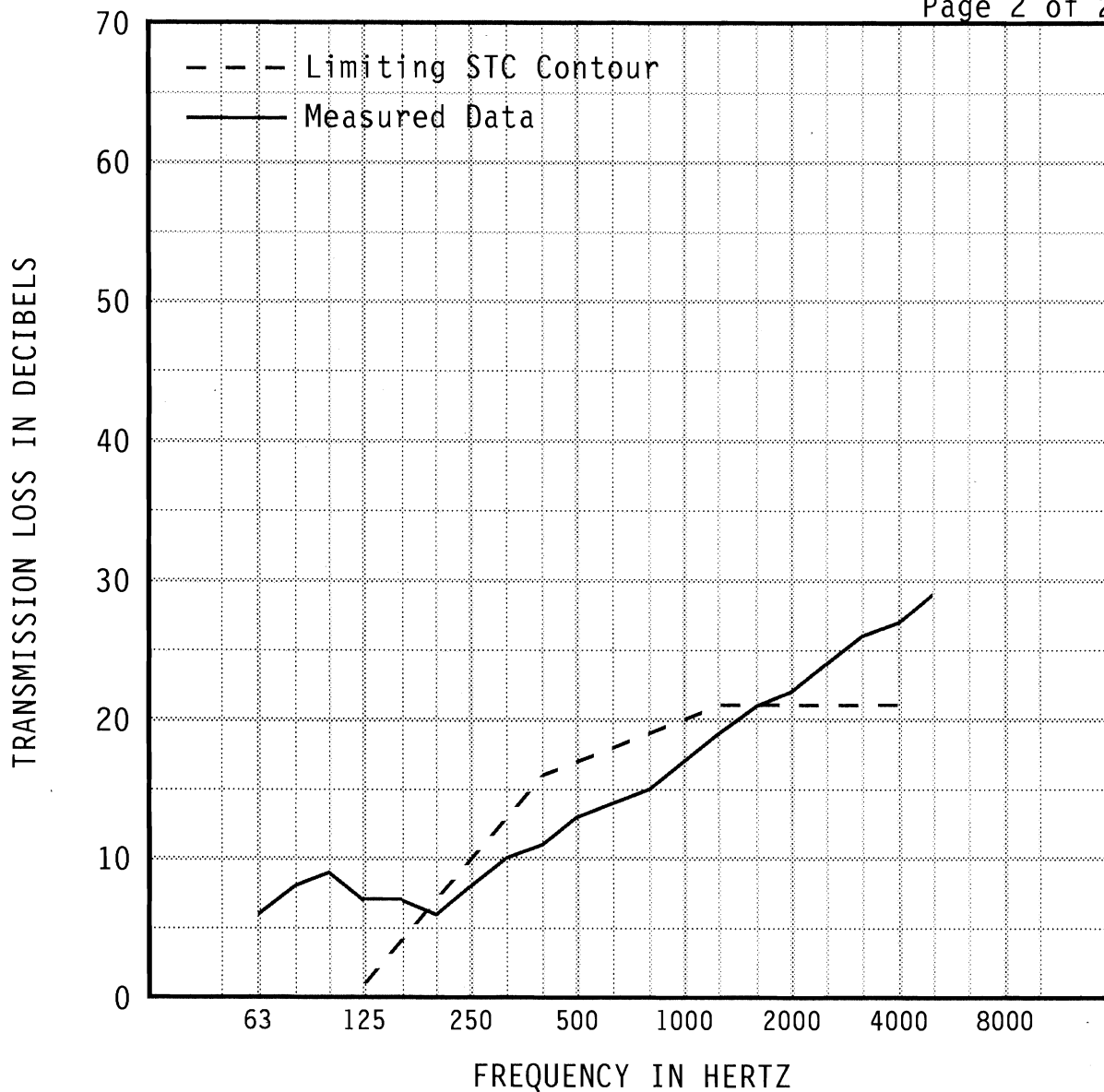
Gary E. Marge
Laboratory Director



Raul Martinez
Acoustical Test Technician

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Report No. TL10-585



1/3 OCT BND CNTR	FREQ	63	80	100	125	160	200	250	315	400	500
TL in dB		6	8	9	7	7	6	8	10	11	13
95% Confidence in dB deficiencies		1.42	1.92	2.07	1.47	0.89	0.76 (1)	0.80 (2)	0.52 (3)	0.36 (5)	0.38 (4)
1/3 OCT BND CNTR	FREQ	630	800	1000	1250	1600	2000	2500	3150	4000	5000
TL in dB		14	15	17	19	21	22	24	26	27	29
95% Confidence in dB deficiencies		0.29 (4)	0.44 (4)	0.38 (3)	0.39 (2)	0.36 (0)	0.56	0.55	0.31	0.32	0.50

EWR	OITC	Specimen Area: 23.41 sq.ft. Temperature: 78.3 deg. F Relative Humidity: 43 % Test Date: 30 August 2010	STC
18	12		17
			(28)