WESTERN ELECTRO - ACOUSTIC LABORATORY
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25132 Rye Canyon Loop Santa Clarita, California 91355 Tel: (661) 775-3741 Fax: (661) 775-3742 www.weal.com

SOUND TRANSMISSION LOSS TEST REPORT NO. TL09-118

CLIENT: **AMSCO Windows**
1880 South 1045 West
P.O. Box 25368
Salt Lake City, Utah 84125
TEST DATE: 20 January 2009

9 February 2009

INTRODUCTION

The methods and procedures used for this test conform to the provisions and requirements of ASTM E 90-04, *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions*. 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 NVLAP (National Voluntary Laboratory Accreditation Program) Lab Code 100256-0 for this test procedure. NVLAP is part of the United States Department of Commerce, National Institute of Standards and Technology (NIST). This test report relates only to the item(s) tested. Any advertising that utilizes this test report or test data must not imply product certification or endorsement by WEAL, NVLAP, NIST or the U.S. Government.

DESCRIPTION OF TEST SPECIMEN

The test specimen was an AMSCO vinyl Studio horizontal sliding window assembly. The specimen consisted of a fixed panel and an operable panel. The specimen was installed by screwing the nailing fin around the entire perimeter to the wood edge of the test chamber opening. The specimen was sealed into the test chamber opening with latex caulking around the entire perimeter on the source room side and a heavy duct seal putty around the entire perimeter on the receive room side. The glazing consisted of 3/4 inch (19.1 mm) dual glazed units which were 1/8 inch (3.2 mm) double strength glass, 1/2 inch (12.7 mm) air space, and 1/8 inch (3.2 mm) double strength glass. The fixed unit was glazed into the main frame and the operable unit to its individual frame using glazing tape and a vinyl snap in bead. The weather stripping used on the exterior perimeter of the operable panel was 260 high 187 back (.260 in. x .187 in.) fin seal and on the fixed interlock. The net outside frame dimensions of the window assembly were 71-1/2 inches (1.82 m) wide by 47-1/2 inches (1.21 m) high by 5-5/16 inches (135 mm) deep. The overall weight of the assembly was approximately 87 lbs. (39.5 kg) for a calculated surface density of 3.69 lbs./ft^2 (18 kg/m^2). The two weep holes were normal with covers. The operable portion of the assembly was opened and closed five times immediately prior to the test.

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 Sound Transmission Class rating determined in accordance with ASTM E 413-04 was STC-30.

Respectfully submitted,
Western Electro-Acoustic Laboratory

Approved:

Gary E. Mange
Laboratory Director

Raul Martinez
Acoustical Test Technician

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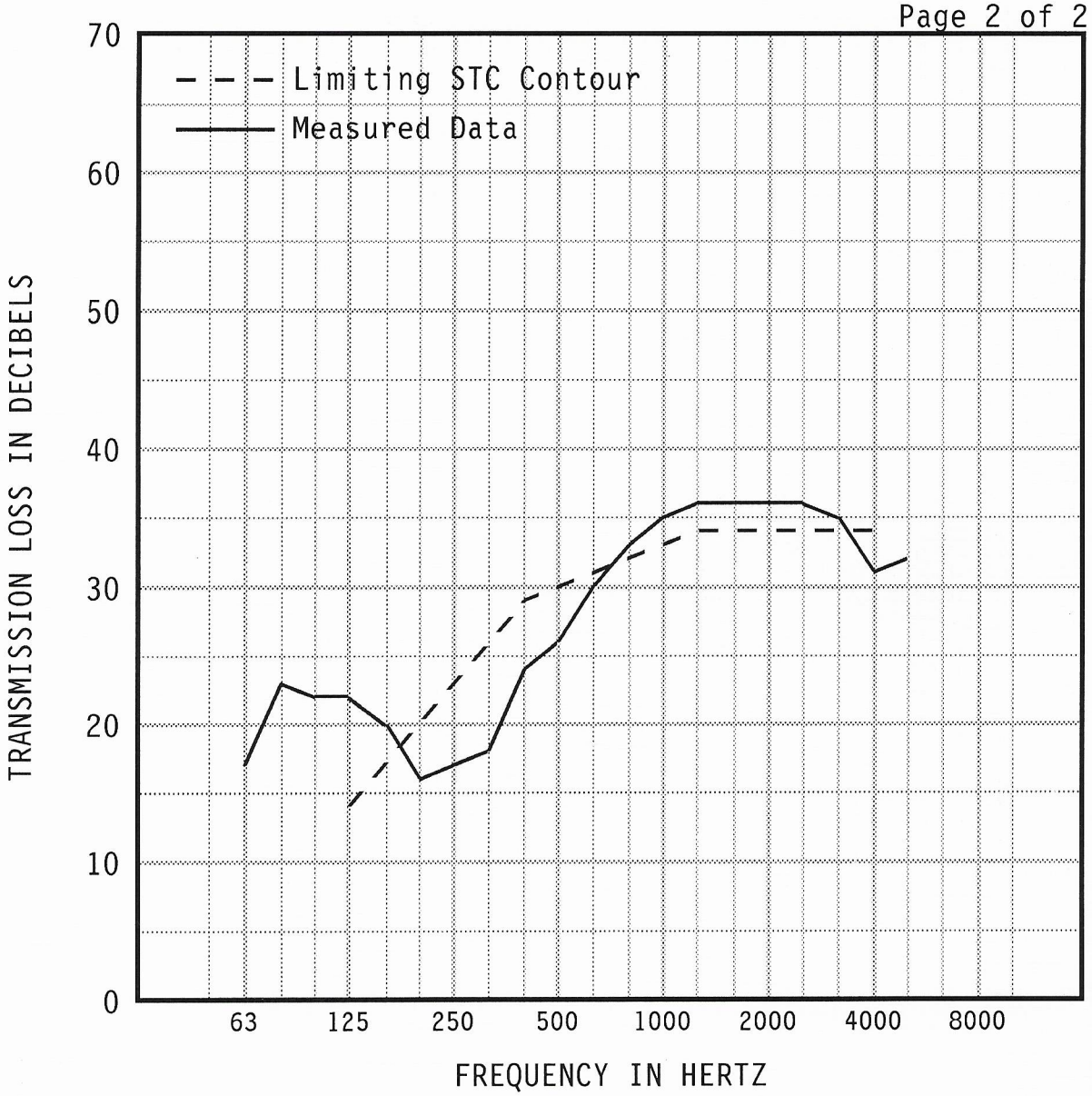

1/3 OCT BND CNTR FREQ	63	80	100	125	160	200	250	315	400	500
TL in dB	17	23	22	22	20	16	17	18	24	26
95% Confidence in dB	1.42	1.92	2.07	1.47	0.89	0.76	0.80	0.52	0.36	0.38
deficiencies						(4)	(6)	(8)	(5)	(4)
1/3 OCT BND CNTR FREQ	630	800	1000	1250	1600	2000	2500	3150	4000	5000
TL in dB	30	33	35	36	36	36	36	35	31	32
95% Confidence in dB	0.29	0.44	0.38	0.39	0.36	0.56	0.55	0.31	0.32	0.50
deficiencies	(1)								(3)	

EWR	OITC
30	24

Specimen Area: 23.59 sq.ft.
Temperature: 70.2 deg. F
Relative Humidity: 32 %
Test Date: 20 January 2009

STC
30
(31)

NVLAP

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