



KODARAS ACOUSTICAL LABORATORIES

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DIVISION OF  ETL TESTING LABORATORIES, INC.
Formerly Electrical Testing Laboratories, Inc.
SINCE 1896

REPORT

SOUND TRANSMISSION LOSS TEST

OF: STC 51 DOOR WITH CATALOG #770 DOORSTOP

TESTED FOR: Zero Weather Stripping Co., Inc.

REPORT NO. 449356

ORDER NO. 16468K

KAL REF. 2404-80

DATE: April 29, 1980

TEST METHOD: American Society for Testing and Materials designation E90-75, "Standard Method for LABORATORY MEASUREMENT OF AIRBORNE SOUND TRANSMISSION LOSS OF BUILDING PARTITIONS".

DESCRIPTION OF SPECIMEN:

Size - 35-3/4" wide x 83-1/8" high x 1-3/4" thick

Composition - The test specimen consisted of a "STC" 51 door installed in a nominal 3' wide x 7' high test opening located between two reverberation rooms.

Catalog #770 adjustable stop seals were used along the head and jamb of the door frame with a catalog #565 saddle (without neoprene on under side) at the threshold. A catalog #361 automatic drop seal was screw attached along the bottom of the door.

The door had a nominal weight of 203 lbs. and was operated prior to testing.

The remaining portion of the room construction separating our noise source and receiving room consists of two 8" concrete walls with a 4" air space and has a transmission loss sufficiently high not to require an adjustment to the data.

AT TIME OF TEST:

TEMP. 68°F, R. H. 38%

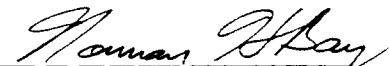
Results of Measurements

Band No.	1/3 Octave Band	Sound Transmission Loss
	Center Frequency Hz	
(1)	125	20
(2)	160	24
(3)	200	31
(4)	250	37
(5)	315	40
(6)	400	43
(7)	500	44
(8)	630	44
(9)	800	46
(10)	1000	45
(11)	1250	45
(12)	1600	47
(13)	2000	47
(14)	2500	46
(15)	3150	46
(16)	4000	47

*Sound Transmission Class (S.T.C.) determined in accordance with American Society for Testing and Materials designation E413-73, "Standard Classification for Determination of Sound Transmission Class".

Sound Transmission Class 44*

KODARAS ACOUSTICAL LABORATORIES
DIV. ETL TESTING LABORATORIES, INC.


Norman H. Bay, Manager



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