



KODARAS ACOUSTICAL LABORATORIES

INDUSTRIAL PARK / CORTLAND, NEW YORK 13045 / TELEPHONE 607-753-6711

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

REPORT

SOUND TRANSMISSION LOSS TEST

OF: STC 51 DOOR WITH CATALOG #370 DOORSTOP

TESTED FOR: Zero Weather Stripping Co., Inc.

REPORT NO. 449352

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 #370 seals were used along the head and jamb of the door frame with a catalog #565 saddle 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%

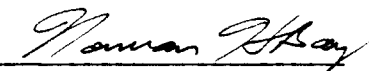
*Sound Transmission Class (S.T.C.) determined in accordance with American Society for Testing and Materials designation E413-73, "Standard Classification for Determination of Sound Transmission Class".

Results of Measurements

Band No.	1/3 Octave Band Center Frequency	Sound Transmission Loss
	Hz	
(1)	125	20
(2)	160	27
(3)	200	34
(4)	250	37
(5)	315	40
(6)	400	41
(7)	500	43
(8)	630	45
(9)	800	45
(10)	1000	44
(11)	1250	41
(12)	1600	43
(13)	2000	45
(14)	2500	48
(15)	3150	48
(16)	4000	44

Sound Transmission Class 43*

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DIV. ETL TESTING LABORATORIES, INC.


Norman H. Bay, Manager



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