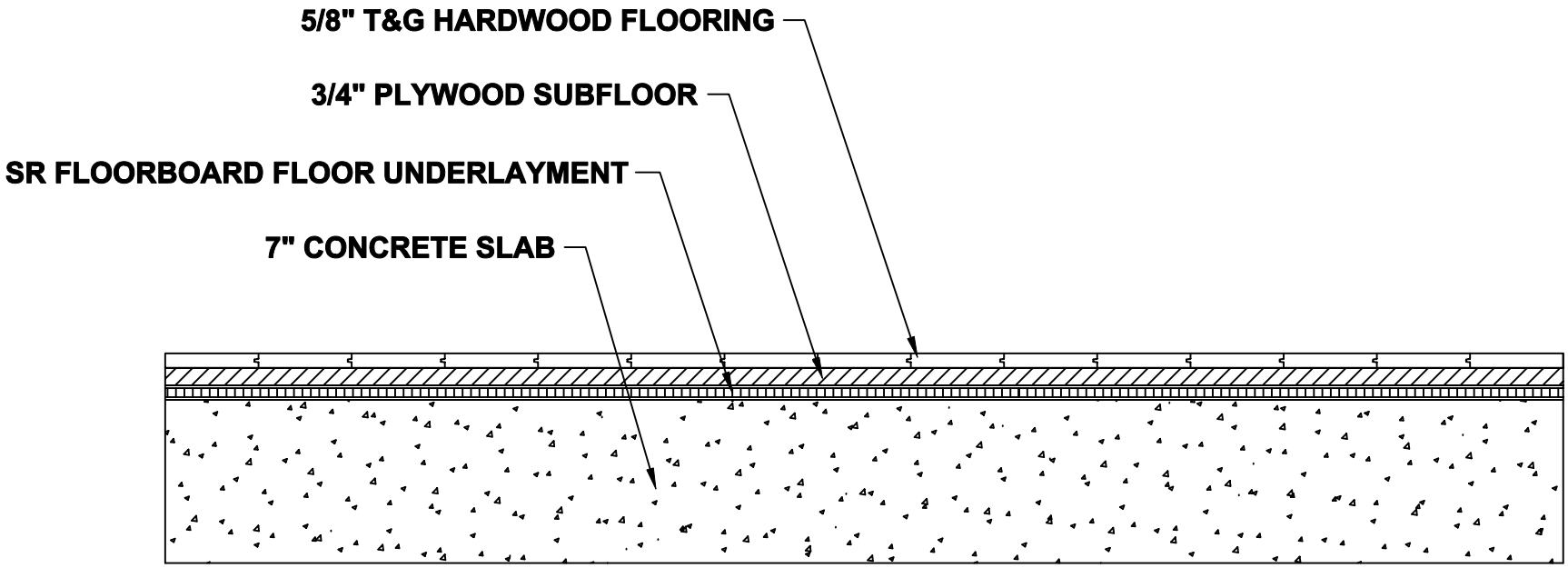
FIIC 54



KINETICS Noise Control	TITLE	LAST DATE REVISED	REVISED BY	DRAWING NO.
	TEST B9	11-10-04	JAE	B9

Shiner Associates, Inc. Acoustical Engineers

Air Filter and Equipment Company
2300 N. Knox St.
Chicago, Illinois 60639

April 2, 1990

Attn: Mr. Jim Westgaard

Re: Peabody SR Floorboard System
1000 North Lake Shore Drive

Dear Mr. Westgaard:

Enclosed please find Shiner test report 900318-1 documenting the results of the ASTM E1007-84 Field Impact Insulation Class test of March 27, 1990. This test was conducted between the kitchens of units 27B and 26B at 1000 N. Lake Shore Drive.

As shown in the attached section, the following floor/ceiling system separated the units:

- 7 inch concrete slab
- 5/8 inch Peabody SR Floorboard
- 3/4 inch plywood subfloor
- 5/8 T/G hardwood flooring

The resulting Field Impact Insulation Class rating was FIIC 54.

Please contact us should you have further questions regarding this test.

Very truly yours,

Brian L. Homans

BLH/jo

Shiner Associates, Inc. Acoustical Engineers
Westmoreland Building 1161 Orchard Road Skokie, Illinois 60077 Telephone 312 677 3340

Field Impact Insulation Class (FIIC): 54 Project Number: 900318-1 Certified by: BG Shiner

PROJECT: 1000 North Lake Shore Drive

LOCATION: Unit 27B Kitchen to Unit 26B Kitchen

Date:	03/27/90	Time:	1400 Hours
Temperature (F):	75 F	Relative Humidity:	36 %
Source Room Volume:	1260 Cu Ft	Receive Room Volume:	1260 Cu Ft
Receive Room Surface Area:	813 Sq Ft	Lower Limiting Frequency:	125 Hz

Test conducted in accordance with the provisions set forth under ASTM designation E 1007-84, Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures. Classification performed in accordance with ASTM designation E 989-84, Determination of Impact Insulation Class (IIC). A detailed description of the test procedure used and instrumentation will be furnished on request.

	One-Third Octave Center Frequency, Hz																
	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	
Mean Sound Level	58.1	61.7	64.6	63.0	62.7	58.0	55.6	52.1	47.3	43.0	38.3	33.1	29.7	27.0	23.1	19.2	
Ambient Sound Level	34.8	39.4	45.5	39.1	36.8	34.4	31.3	28.4	27.9	26.8	28.3	25.0	19.7	17.8	15.0	14.2	
Normalization	-1.5	0.1	1.9	-1.4	0.1	1.3	-1.3	-0.1	1.7	-0.6	6.1	2.1	0.6	0.8	1.3	0.6	
Impact Insulation	57	62	66	62	63	59	54	52	49	42	44	35	30	28	24	20	
+/- Confidence Limits	4.4	5.0	5.7	3.6	4.6	2.1	3.0	2.7	2.1	2.4	1.0	2.1	1.5	1.2	1.3	2.0	
IIC 54 Curve	58	58	58	58	58	58	57	56	55	54	53	50	47	44	41	38	
Deviations	0	4	8	4	5	1	0	0	0	0	0	0	0	0	0	0	
Mean Absorption Coeff	0.09	0.14	0.21	0.10	0.14	0.18	0.10	0.13	0.20	0.12	0.54	0.22	0.15	0.16	0.18	0.15