Appendix

Summary of Test Results

Lower Room	Room Volume m^3	Assembly	Floor Finish	RMU	GCON	CSU	Floor Deck	Truss Span (m)	GFB	RC	RC o.c.	GWB	ISR	FIIC	NISR	NNIC
Bedroom Unit CV101	109.6	GCON19_PLYWD19_WT457_GFB89_RC(203)_GWB16	---	---	19	---	19		89	STD	203	16	31	33	32	51
Living Room Unit CV101	281.7	GCON19_PLYWD19_WT457_GFB89_RC(203)_GWB(2)16	---	---	19	---	19		89	STD	203	(2) 16	40	---	---	---
Bathroom Unit 2105	65.9	CER_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16	CER	---	19	---	19	2.9	152	STD	406	16	40	44	41	57
Bedroom Unit 2105	166.5	CPT_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16	CPT	---	19	---	19	3.7	152	STD	406	16	70	70	71	55
Kitchen Unit 2105	131.7	WD_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16	WD	---	19	---	19	4.8	152	STD	406	16	44	43	44	56
Living Room Unit 2105	109.8	CPT_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16	CPT	---	19	---	19	4.0	152	STD	406	16	73	74	74	53
Bathroom Unit 1010	65.9	CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	---	32	---	19	4.9	89	STD	406	16	36	40	38	53
Bathroom Unit 1012	59.5	CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	---	25	5	19	4.3	89	STD	406	16	49	54	51	58
Bathroom Unit 1014	59.5	CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	---	25	5	19	4.3	89	DLX	406	16	43	48	45	55
Bathroom Unit 1016	65.9	CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16	CER	---	25	5	19	4.9	89	STD	406	(2) 16	44	49	47	57
Bathroom Unit 1023	65.9	CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	---	32	---	19	2.9	89	DLX	406	16	37	41	38	55
Bathroom Unit 1025	65.9	CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	---	32	---	19	2.9	89	DLX	406	16	38	41	38	50
Bathroom Unit 1027	73.2	CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16	CER	---	25	5	19	5.5	89	DLX	406	(2) 16	47	50	49	58
Bedroom Unit 1010	130.8	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16	CPT	---	32	---	19	3.7	---	STD	406	16	70	71	72	---
Bedroom Unit 1012	130.8	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16	CPT	---	32	---	19	4.1	---	STD	406	16	76	76	77	---
Bedroom Unit 1014	130.8	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16	CPT	---	32	---	19	4.1	---	DLX	406	16	70	69	71	---
Bedroom Unit 1016	130.8	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB(2)16	CPT	---	32	---	19	3.7	---	STD	406	(2) 16	73	73	74	---
Kitchen Unit 1010	210.4	VSHT_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16	VSHT	---	32	---	19	5.8	89	STD	406	16	43	43	45	55
Kitchen Unit 1012	210.4	VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16	VSHT	---	25	5	19	4.3	89	STD	406	16	51	50	53	59
Kitchen Unit 1014	210.4	VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16	VSHT	---	25	5	19	4.3	89	DLX	406	16	50	49	51	57
Kitchen Unit 1016	210.4	VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16	VSHT	---	25	5	19	5.8	89	STD	406	(2) 16	49	48	51	55
Kitchen Unit 1023	263.4	VPLK_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16	VPLK	---	32	---	19	6.6	89	DLX	406	16	46	44	48	57
Kitchen Unit 1025	263.4	VPLK_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16	VPLK	---	32	---	19	6.6	89	DLX	406	16	46	45	49	56
Kitchen Unit 1027	201.2	VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16	VSHT	---	25	5	19	5.2	89	DLX	406	(2) 16	52	51	53	56
Living Room Unit 1010	336.6	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16	CPT	---	32	---	19	5.5	---	STD	406	16	73	69	73	55
Living Room Unit 1012	345.7	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16	CPT	---	32	---	19	6.9	---	STD	406	16	73	70	75	59
Living Room Unit 1014	345.7	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16	CPT	---	32	---	19	6.9	---	DLX	406	16	72	68	73	55
Living Room Unit 1016	336.6	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB(2)16	CPT	---	32	---	19	5.5	---	STD	406	(2) 16	76	74	79	54
Living Room Unit 1027	221.3	CPT_GCON32_PLYWD19_WT457_RC(406)_GWB(2)16	CPT	---	32	---	19	7.0	---	DLX	406	(2) 16	71	70	73	59
Bathroom Unit 203	70.0	CER_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	---	19	---	19	3.0	89	STD	406	16	33	37	35	53
Bathroom Unit 204	51.2	CER_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	2	19	---	19	7.6	89	DLX	406	16	40	45	42	57
Bathroom Unit 205	43.9	CER_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	2	19	---	19	2.9	89	DLX	406	16	39	44	40	59
Bathroom Unit 207	57.6	CER_RMU5_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	CER	5	19	---	19	2.9	89	DLX	406	16	41	46	43	58
Entry Unit 203	36.6	SLT_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	SLT	---	19	---	19	5.6	89	STD	406	16	40	47	42	---
Entry Unit 204	54.9	SLT_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	SLT	2	19	---	19	7.6	89	DLX	406	16	46	51	48	---
Entry Unit 207	29.3	SLT_RMU5_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	SLT	5	19	---	19	6.3	89	STD	406	16	49	57	51	---
Kitchen Unit 203	164.6	VSHT_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	VSHT	---	19	---	19	5.5	89	STD	406	16	42	42	44	55
Kitchen Unit 204	137.2	VPLK_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	VPLK	2	19	---	19	7.6	89	DLX	406	16	49	50	51	55
Kitchen Unit 205	249.7	SLT_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	SLT	2	19	---	19	5.5	89	DLX	406	16	48	46	50	58
Kitchen Unit 206	137.2	VPLK_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	VPLK	2	19	---	19	6.1	89	STD	406	16	44	45	46	50
Kitchen Unit 207	249.7	SLT_RMU5_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16	SLT	5	19	---	19	5.5	89	DLX	406	16	49	48	51	62
Living Room Unit 203	329.3	CPT_GCON19_PLYWD19_WT457_RC(406)_GWB16	CPT	---	19	---	19	6.4	---	STD	406	16	68	65	70	55
Living Room Unit 204	190.2	CPT_GCON19_PLYWD19_WT457_RC(406)_GWB16	CPT	---	19	---	19	4.3	---	DLX	406	16	74	74	76	58

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Room: Bedroom Unit CV101
Volume: 1078.3 cu.ft. (109.6 cu.m.)
Assembly: GCON19_PLYWD19_WT457_GFB89_RC(203)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†					
16†					
20†					
25†	67				
31.5†	75				
40†	71				
50†	65				
63†	69				
80†	67	0.7	65		65
100	68	0.6	67	0	67
125	71	0.5	71	0	71
160	70	0.5	70	0	70
200	73	0.6	72	0	72
250	72	0.6	71	0	71
315	71	0.7	70	0	70
400	71	0.8	69	0	69
500	73	0.8	71	0	71
630	74	0.8	72	0	72
800	74	0.7	72	0	73
1000	74	0.6	73	0	73
1250	73	0.7	72	1	72
1600	71	0.7	70	2	70
2000	71	0.7	70	5	70
2500	72	0.7	70	8	71
3150	68	0.7	67	8	67
4000†	63	0.7	62		62
5000†	57	0.7	55		56

ISR = 31 **FIIC = 33** **NISR = 32**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: Living Room Unit CV101
Volume: 2772 cu.ft. (281.7 cu.m.)
Assembly: GCON19_PLYWD19_WT457_GFB89_RC(203)_GWB(2)16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†					
16†					
20†					
25†	58				
31.5†	68				
40†	60				
50†	63				
63†	74				
80†	71	---	---		---
100	67	---	---	---	---
125	63	---	---	---	---
160	64	---	---	---	---
200	67	---	---	---	---
250	67	---	---	---	---
315	68	---	---	---	---
400	68	---	---	---	---
500	68	---	---	---	---
630	69	---	---	---	---
800	68	---	---	---	---
1000	67	---	---	---	---
1250	68	---	---	---	---
1600	65	---	---	---	---
2000	65	---	---	---	---
2500	62	---	---	---	---
3150	59	---	---	---	---
4000†	54	---	---		---
5000†	47	---	---		---

ISR = 40 **FIIC = ---** **NISR = ---**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: Bathroom Unit 2105
Volume: 648 cu.ft. (65.9 cu.m.)
Assembly: CER_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	63				
16†	60				
20†	61				
25†	56				
31.5†	67				
40†	63				
50†	65				
63†	78				
80†	65	0.4	64		66
100	65	0.4	64	0	66
125	68	0.5	65	0	68
160	72	0.7	68	0	70
200	67	0.7	64	0	66
250	71	0.7	67	0	69
315	71	0.6	68	0	70
400	71	0.6	68	1	70
500	71	0.6	68	2	70
630	71	0.9	66	1	68
800	69	0.9	64	0	67
1000	68	0.8	64	1	66
1250	66	0.9	61	1	64
1600	65	0.9	60	3	63
2000	64	0.6	61	7	63
2500	62	0.6	59	8	61
3150	57	0.7	54	6	56
4000†	51	0.8	47		49
5000†	46	0.8	41		44

ISR = 40 **FIIC = 44** **NISR = 41**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: Bedroom Unit 2105
Volume: 1638 cu.ft. (166.5 cu.m.)
Assembly: CPT_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	53				
16†	57				
20†	72				
25†	70				
31.5†	82				
40†	67				
50†	66				
63†	59				
80†	50	0.7	50		48
100	50	0.7	50	8	49
125	47	0.7	48	6	46
160	47	0.7	47	5	45
200	43	0.8	43	1	41
250	39	0.6	40	0	38
315	32	0.7	33	0	31
400	27	0.6	28	0	26
500	25	0.6	26	0	24
630	22	0.5	24	0	22
800	21	0.8	21	0	19
1000	21	0.7	22	0	20
1250	20	0.8	20	0	18
1600	19	0.7	19	0	17
2000	18	0.7	19	0	17
2500	18	0.6	19	0	17
3150	18	0.8	17	0	16
4000†	18	0.8	17		16
5000†	18	0.8	18		16

ISR = 70 **FIIC = 70** **NISR = 71**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
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Room: Kitchen Unit 2105
Volume: 1296 cu.ft. (131.7 cu.m.)
Assembly: WD_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	47				
16†	48				
20†	67				
25†	57				
31.5†	64				
40†	63				
50†	68				
63†	74				
80†	77	0.6	77		76
100	73	0.6	73	4	72
125	71	0.3	74	5	73
160	72	0.4	73	4	73
200	71	0.4	73	4	72
250	68	0.5	69	0	68
315	69	0.5	70	1	69
400	67	0.5	68	0	67
500	68	0.8	66	0	66
630	67	0.6	67	1	66
800	64	0.5	65	0	64
1000	61	0.4	62	0	62
1250	60	0.5	61	0	60
1600	57	0.5	57	0	57
2000	57	0.4	59	4	58
2500	55	0.5	56	4	55
3150	49	0.5	50	1	49
4000†	45	0.5	46		45
5000†	39	0.5	40		39

ISR = 44 **FIIC = 43** **NISR = 44**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: Living Room Unit 2105
Volume: 1080 cu.ft. (109.8 cu.m.)
Assembly: CPT_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	50				
16†	56				
20†	72				
25†	74				
31.5†	76				
40†	61				
50†	56				
63†	59				
80†	58	0.6	57		57
100	47	0.6	46	8	46
125	42	0.6	41	3	41
160	43	0.5	43	5	43
200	39	0.7	37	0	37
250	36	0.6	35	0	35
315	32	0.6	31	0	31
400	29	0.7	27	0	27
500	25	0.7	24	0	24
630	21	0.5	21	0	21
800	22	0.7	20	0	20
1000	22	0.6	21	0	21
1250	21	0.6	20	0	20
1600	20	0.6	19	0	19
2000	20	0.5	20	0	20
2500	20	0.6	19	0	19
3150	19	0.7	17	0	17
4000†	18	0.6	17		17
5000†	18	0.6	17		17

ISR = 73 **FIIC = 74** **NISR = 74**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: Bathroom Unit 1010
Volume: 648 cu.ft. (65.9 cu.m.)
Assembly: CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	43				
16†	54				
20†	65				
25†	63				
31.5†	70				
40†	67				
50†	67				
63†	68				
80†	67	0.6	64		67
100	62	0.6	58	0	61
125	69	0.6	66	0	68
160	70	0.6	67	0	69
200	74	0.6	71	0	73
250	73	0.8	69	0	71
315	72	0.9	67	0	70
400	72	1.1	66	0	68
500	71	1.0	66	0	68
630	72	0.9	68	0	70
800	73	1.0	67	0	70
1000	70	1.1	65	0	67
1250	69	0.9	65	1	67
1600	68	0.9	63	2	65
2000	69	0.7	65	7	67
2500	67	0.7	63	8	65
3150	62	0.7	59	7	61
4000†	56	0.7	52		54
5000†	46	0.7	42		44
	ISR = 36		**FIIC = 40**		**NISR = 38**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: Bathroom Unit 1012
Volume: 585 cu.ft. (59.5 cu.m.)
Assembly: CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	49				
16†	52				
20†	61				
25†	68				
31.5†	67				
40†	62				
50†	66				
63†	63				
80†	63	0.6	59		62
100	62	0.6	59	1	61
125	65	0.6	62	4	64
160	61	0.7	56	0	59
200	61	0.7	57	0	60
250	63	0.7	58	0	61
315	62	0.7	58	0	61
400	63	0.8	59	2	61
500	64	0.9	58	2	61
630	63	0.8	59	4	61
800	61	0.9	56	2	59
1000	59	0.9	53	0	56
1250	55	0.8	50	0	53
1600	53	0.8	49	2	51
2000	53	0.7	49	5	52
2500	51	0.8	46	5	49
3150	44	0.8	40	2	42
4000†	36	0.8	31		34
5000†	29	0.7	25		27

ISR = 49 **FIIC = 54** **NISR = 51**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bathroom Unit 1014
Volume: 585 cu.ft. (59.5 cu.m.)
Assembly: CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	59				
16†	57				
20†	60				
25†	66				
31.5†	72				
40†	70				
50†	69				
63†	70				
80†	73	0.6	70		73
100	71	0.6	67	3	70
125	71	0.6	67	3	70
160	70	0.6	67	3	70
200	69	0.8	64	0	67
250	70	0.8	66	2	68
315	69	0.8	64	0	67
400	68	0.8	64	1	66
500	67	0.8	62	0	65
630	68	0.9	63	2	66
800	67	1.0	61	1	64
1000	62	1.0	56	0	59
1250	61	1.0	55	0	58
1600	59	0.8	54	1	57
2000	59	0.7	55	5	58
2500	56	0.7	52	5	55
3150	50	0.7	45	1	48
4000†	43	0.7	39		41
5000†	33	0.7	29		31

ISR = 43 **FIIC = 48** **NISR = 45**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: Bathroom Unit 1016
Volume: 648 cu.ft. (65.9 cu.m.)
Assembly: CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	50				
16†	51				
20†	61				
25†	64				
31.5†	65				
40†	67				
50†	69				
63†	65				
80†	67	0.7	64		66
100	62	0.7	59	0	61
125	66	0.6	63	0	65
160	70	0.7	67	4	69
200	67	0.9	62	0	65
250	64	0.9	59	0	62
315	68	1.0	63	0	65
400	67	0.9	62	0	64
500	67	0.9	62	1	65
630	67	0.9	62	2	64
800	65	1.1	59	0	62
1000	62	1.1	56	0	58
1250	60	0.9	55	0	58
1600	59	0.8	54	2	57
2000	60	0.8	56	7	58
2500	57	0.8	53	7	55
3150	51	0.8	47	4	49
4000†	45	0.8	41		43
5000†	37	0.7	33		35

ISR = 44 **FIIC = 49** **NISR = 47**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bathroom Unit 1023
Volume: 648 cu.ft. (65.9 cu.m.)
Assembly: CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	51				
16†	49				
20†	66				
25†	67				
31.5†	64				
40†	69				
50†	67				
63†	73				
80†	66	0.6	63		65
100	63	0.6	60	0	62
125	65	0.5	63	0	65
160	63	0.6	60	0	62
200	68	0.7	65	0	67
250	68	0.8	63	0	66
315	69	0.6	66	0	68
400	70	0.7	66	0	68
500	71	0.7	68	0	70
630	70	0.8	66	0	68
800	68	0.8	64	0	66
1000	66	0.8	61	0	64
1250	66	0.7	62	0	64
1600	66	0.7	62	2	64
2000	68	0.7	64	7	67
2500	66	0.7	62	8	65
3150	59	0.7	55	4	58
4000†	52	0.6	49		51
5000†	44	0.6	40		43

ISR = 37 **FIIC = 41** **NISR = 38**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bathroom Unit 1025
Volume: 648 cu.ft. (65.9 cu.m.)
Assembly: CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	48				
16†	50				
20†	60				
25†	65				
31.5†	63				
40†	61				
50†	66				
63†	70				
80†	66	0.6	63		65
100	64	0.6	61	0	64
125	70	0.7	66	0	69
160	67	0.5	65	0	67
200	66	0.5	64	0	66
250	68	0.6	64	0	67
315	68	0.6	65	0	67
400	70	0.7	66	0	69
500	69	0.8	64	0	66
630	69	0.7	65	0	68
800	69	0.7	65	0	67
1000	66	0.7	62	0	64
1250	65	0.7	61	0	64
1600	66	0.6	63	3	65
2000	67	0.6	64	7	66
2500	65	0.6	62	8	65
3150	59	0.6	56	5	58
4000†	54	0.6	50		53
5000†	45	0.6	42		45

ISR = 38 **FIIC = 41** **NISR = 38**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bathroom Unit 1027
Volume: 720 cu.ft. (73.2 cu.m.)
Assembly: CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	44				
16†	46				
20†	53				
25†	56				
31.5†	60				
40†	63				
50†	59				
63†	67				
80†	66	0.6	63		65
100	65	0.6	62	0	64
125	64	0.6	61	0	63
160	62	0.7	59	0	61
200	66	0.7	63	1	64
250	65	0.7	62	0	64
315	68	0.7	64	2	66
400	67	0.8	63	2	65
500	66	0.9	62	2	63
630	66	0.8	62	3	63
800	63	0.9	59	1	61
1000	61	0.9	56	0	58
1250	58	0.8	54	0	56
1600	57	0.8	53	2	55
2000	56	0.7	53	5	54
2500	53	0.8	49	4	51
3150	46	0.8	42	0	44
4000†	36	0.8	32		34
5000†	27	0.7	24		26

ISR = 47 **FIIC = 50** **NISR = 49**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bedroom Unit 1010
Volume: 1287 cu.ft. (130.8 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	45				
16†	65				
20†	78				
25†	73				
31.5†	73				
40†	66				
50†	62				
63†	58				
80†	56	0.7	55		54
100	50	0.7	49	8	48
125	47	0.7	47	6	46
160	45	0.7	44	3	43
200	45	0.7	44	3	43
250	38	0.8	37	0	36
315	37	0.8	35	0	35
400	32	0.8	30	0	30
500	29	0.9	27	0	27
630	28	1.0	26	0	25
800	28	1.0	26	0	25
1000	28	1.1	25	0	25
1250	25	1.1	23	0	22
1600	23	1.0	20	0	20
2000	21	1.0	18	0	18
2500	20	1.0	17	0	17
3150	19	1.0	17	0	16
4000†	19	0.9	17		17
5000†	19	0.9	17		16

ISR = 70 **FIIC = 71** **NISR = 72**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bedroom Unit 1012
Volume: 1287 cu.ft. (130.8 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	52				
16†	66				
20†	80				
25†	69				
31.5†	74				
40†	63				
50†	60				
63†	54				
80†	46	0.7	45		45
100	44	0.7	44	8	43
125	42	0.7	41	5	40
160	37	0.7	37	1	36
200	40	0.7	39	3	39
250	34	0.8	33	0	32
315	31	0.8	30	0	29
400	27	0.8	26	0	25
500	25	0.9	23	0	22
630	23	1.0	21	0	20
800	22	1.0	20	0	19
1000	22	1.1	19	0	19
1250	21	1.1	19	0	18
1600	21	1.0	18	0	18
2000	20	1.0	18	0	17
2500	20	1.0	17	0	17
3150	20	1.0	17	1	17
4000†	19	0.9	18		17
5000†	19	0.9	17		17

ISR = 76 **FIIC = 76** **NISR = 77**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bedroom Unit 1014
Volume: 1287 cu.ft. (130.8 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	67				
16†	68				
20†	84				
25†	69				
31.5†	73				
40†	69				
50†	64				
63†	62				
80†	49	0.7	50		48
100	50	0.7	51	8	49
125	45	0.6	45	2	44
160	43	0.6	43	0	42
200	43	0.7	44	1	42
250	37	0.8	39	0	35
315	35	0.7	36	0	33
400	31	0.7	31	0	29
500	27	0.8	29	0	25
630	25	0.8	27	0	23
800	25	0.9	27	0	23
1000	25	0.9	27	0	23
1250	26	0.9	28	0	23
1600	26	0.9	28	0	23
2000	26	0.8	28	0	24
2500	26	0.8	28	2	24
3150	26	0.8	28	5	24
4000†	26	0.8	27		24
5000†	26	0.8	28		24

ISR = 70 **FIIC = 69** **NISR = 71**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bedroom Unit 1016
Volume: 1287 cu.ft. (130.8 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	45				
16†	66				
20†	80				
25†	71				
31.5†	70				
40†	64				
50†	66				
63†	54				
80†	50	0.7	49		48
100	46	0.7	45	6	44
125	47	0.6	47	8	46
160	44	0.6	44	5	43
200	43	0.7	43	4	42
250	39	0.8	37	0	36
315	35	0.7	34	0	33
400	32	0.8	30	0	30
500	29	0.9	27	0	27
630	25	0.9	23	0	22
800	23	1.1	20	0	20
1000	23	1.0	21	0	20
1250	23	1.0	20	0	20
1600	22	1.0	20	0	19
2000	21	0.9	19	0	18
2500	20	0.8	19	0	18
3150	20	0.9	18	0	17
4000†	20	0.9	18		17
5000†	20	0.9	18		17

ISR = 73 **FIIC = 73** **NISR = 74**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 1010
Volume: 2070 cu.ft. (210.4 cu.m.)
Assembly: VSHT_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	68				
16†	68				
20†	66				
25†	53				
31.5†	62				
40†	69				
50†	72				
63†	69				
80†	64	0.7	65		63
100	60	0.7	61	0	58
125	62	0.8	63	0	60
160	68	0.7	69	0	67
200	69	0.8	70	1	67
250	71	0.9	71	2	68
315	67	0.9	67	0	64
400	68	0.9	68	0	65
500	68	0.8	69	2	66
630	68	0.7	69	3	66
800	66	0.9	66	1	63
1000	64	0.8	65	1	62
1250	63	0.9	64	3	61
1600	62	0.9	62	4	59
2000	61	0.8	62	7	59
2500	57	0.8	57	5	55
3150	50	0.8	50	1	48
4000†	42	0.8	43		40
5000†	34	0.8	35		32

ISR = 43 **FIIC = 43** **NISR = 45**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 1012
Volume: 2070 cu.ft. (210.4 cu.m.)
Assembly: VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	66				
16†	58				
20†	66				
25†	65				
31.5†	76				
40†	70				
50†	68				
63†	60				
80†	57	0.7	58		56
100	57	0.7	59	0	56
125	63	0.7	64	2	61
160	64	0.7	65	3	62
200	62	0.7	63	1	60
250	62	0.7	64	2	61
315	60	0.7	61	0	58
400	60	0.7	62	1	59
500	61	0.7	62	2	60
630	60	0.7	61	2	58
800	59	0.8	60	2	57
1000	56	0.8	57	0	54
1250	54	0.8	55	1	52
1600	52	0.8	52	1	50
2000	51	0.7	52	4	49
2500	47	0.7	48	3	46
3150	38	0.8	39	0	36
4000†	28	0.8	29		26
5000†	21	0.7	22		19

ISR = 51 **FIIC = 50** **NISR = 53**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 1014
Volume: 2070 cu.ft. (210.4 cu.m.)
Assembly: VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	72				
16†	63				
20†	71				
25†	64				
31.5†	76				
40†	68				
50†	68				
63†	67				
80†	62	0.7	64		61
100	61	0.7	62	0	60
125	67	0.7	68	5	65
160	68	0.7	69	6	67
200	64	0.7	65	2	62
250	65	0.7	66	3	63
315	64	0.7	65	2	63
400	63	0.7	65	3	62
500	62	0.7	63	2	61
630	62	0.7	63	3	60
800	59	0.8	59	0	56
1000	56	0.8	56	0	53
1250	53	0.8	54	0	51
1600	52	0.8	52	0	50
2000	51	0.7	52	3	50
2500	44	0.7	45	0	42
3150	35	0.8	36	0	33
4000†	28	0.8	29		26
5000†	26	0.7	28		25

ISR = 50 **FIIC = 49** **NISR = 51**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 1016
Volume: 2070 cu.ft. (210.4 cu.m.)
Assembly: VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	57				
16†	63				
20†	66				
25†	66				
31.5†	71				
40†	66				
50†	69				
63†	68				
80†	62	0.7	63		60
100	61	0.7	62	0	59
125	63	0.7	64	0	61
160	67	0.6	69	5	66
200	68	0.7	69	5	66
250	68	0.7	69	5	66
315	65	0.7	66	2	64
400	63	0.7	65	2	62
500	63	0.7	65	3	62
630	63	0.7	64	3	61
800	59	0.7	61	1	58
1000	58	0.8	58	0	56
1250	55	0.8	55	0	53
1600	52	0.9	52	0	50
2000	51	0.8	52	2	49
2500	46	0.8	47	0	44
3150	39	0.9	39	0	36
4000†	32	0.8	32		30
5000†	26	0.8	26		23

ISR = 49 **FIIC = 48** **NISR = 51**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 1023
Volume: 2592 cu.ft. (263.4 cu.m.)
Assembly: VPLK_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	64				
16†	60				
20†	59				
25†	60				
31.5†	63				
40†	67				
50†	61				
63†	60				
80†	52	0.7	54		50
100	53	0.7	55	0	51
125	59	0.8	61	0	57
160	58	0.6	61	0	57
200	62	0.7	64	0	61
250	60	0.6	63	0	59
315	61	0.6	64	0	60
400	63	0.6	65	0	62
500	63	0.6	66	0	62
630	63	0.6	65	0	62
800	62	0.7	64	0	60
1000	59	0.8	61	0	57
1250	58	0.8	60	0	56
1600	58	0.8	60	3	56
2000	60	0.8	62	8	58
2500	57	0.7	59	8	55
3150	49	0.8	51	3	47
4000†	39	0.7	41		37
5000†	30	0.7	32		29

ISR = 46 **FIIC = 44** **NISR = 48**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 1025
Volume: 2592 cu.ft. (263.4 cu.m.)
Assembly: VPLK_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	59				
16†	55				
20†	66				
25†	62				
31.5†	62				
40†	66				
50†	63				
63†	62				
80†	56	0.6	59		56
100	57	0.6	59	0	56
125	62	0.7	64	0	61
160	62	0.8	63	0	59
200	60	0.7	62	0	59
250	62	0.8	63	0	60
315	63	0.8	64	0	61
400	65	0.9	66	0	62
500	65	1.0	66	1	62
630	63	0.8	65	1	61
800	62	0.9	63	0	60
1000	60	1.0	60	0	57
1250	59	1.0	60	1	56
1600	59	1.0	60	4	56
2000	60	0.9	61	8	57
2500	56	0.8	58	8	54
3150	49	0.9	50	3	47
4000†	42	0.8	44		40
5000†	33	0.8	35		31

ISR = 46 **FIIC = 45** **NISR = 49**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 1027
Volume: 1980 cu.ft. (201.2 cu.m.)
Assembly: VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	49				
16†	51				
20†	59				
25†	50				
31.5†	62				
40†	63				
50†	59				
63†	67				
80†	64	0.7	65		62
100	58	0.7	59	0	56
125	60	0.7	61	0	59
160	65	0.7	66	5	64
200	61	0.7	63	2	60
250	65	0.7	66	5	64
315	62	0.7	63	2	61
400	65	0.7	66	6	64
500	64	0.7	65	6	62
630	60	0.7	61	3	58
800	56	0.8	57	0	54
1000	53	0.8	53	0	51
1250	51	0.8	51	0	48
1600	47	0.8	48	0	45
2000	45	0.7	46	0	44
2500	40	0.7	41	0	39
3150	30	0.8	31	0	28
4000†	26	0.8	26		24
5000†	25	0.7	26		23

ISR = 52 **FIIC = 51** **NISR = 53**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Living Room Unit 1010
Volume: 3312 cu.ft. (336.6 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	60				
16†	70				
20†	81				
25†	54				
31.5†	63				
40†	60				
50†	61				
63†	63				
80†	55	0.6	59		55
100	47	0.6	51	8	47
125	43	0.7	46	3	41
160	43	0.7	47	4	42
200	43	0.7	46	3	41
250	35	0.6	39	0	34
315	32	0.7	35	0	31
400	30	0.7	34	0	29
500	28	0.8	30	0	26
630	26	0.7	30	0	25
800	25	0.8	28	0	23
1000	25	0.9	27	0	22
1250	23	0.8	26	0	21
1600	23	0.8	25	0	21
2000	21	0.8	23	0	19
2500	19	0.8	22	0	17
3150	19	0.8	22	0	17
4000†	19	0.8	22		17
5000†	19	0.7	22		17

ISR = 73 **FIIC = 69** **NISR = 73**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Living Room Unit 1012
Volume: 3402 cu.ft. (345.7 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	69				
16†	60				
20†	76				
25†	60				
31.5†	68				
40†	62				
50†	61				
63†	54				
80†	49	0.6	53		48
100	44	0.6	48	6	43
125	47	0.7	50	8	45
160	38	0.7	41	0	36
200	38	0.7	41	0	36
250	31	0.6	35	0	30
315	27	0.7	31	0	26
400	25	0.7	28	0	23
500	22	0.8	25	0	20
630	21	0.7	25	0	20
800	22	0.8	25	0	20
1000	21	0.9	24	0	19
1250	21	0.8	24	0	19
1600	21	0.8	24	0	19
2000	19	0.8	22	0	17
2500	19	0.8	21	0	17
3150	19	0.8	21	0	17
4000†	19	0.8	22		17
5000†	19	0.7	22		18

ISR = 73 **FIIC = 70** **NISR = 75**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: Living Room Unit 1014
Volume: 3402 cu.ft. (345.7 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	68				
16†	58				
20†	75				
25†	61				
31.5†	66				
40†	63				
50†	64				
63†	57				
80†	53	0.6	57		52
100	48	0.6	52	8	47
125	45	0.7	48	4	43
160	41	0.6	45	1	41
200	41	0.7	44	0	39
250	36	0.7	40	0	35
315	33	0.7	36	0	32
400	28	0.6	32	0	27
500	25	0.7	29	0	24
630	25	0.6	29	0	24
800	25	0.7	29	0	24
1000	26	0.8	29	0	24
1250	27	0.8	30	0	25
1600	27	0.8	30	0	25
2000	26	0.8	29	0	24
2500	26	0.8	29	2	24
3150	26	0.7	29	5	24
4000†	26	0.8	29		24
5000†	26	0.7	29		24

ISR = 72 **FIIC = 68** **NISR = 73**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: Living Room Unit 1016
Volume: 3312 cu.ft. (336.6 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	58				
16†	70				
20†	74				
25†	57				
31.5†	58				
40†	56				
50†	60				
63†	58				
80†	52	0.8	55		50
100	42	0.8	45	7	40
125	40	1.0	41	3	37
160	42	0.9	44	6	39
200	44	0.9	46	8	41
250	36	1.0	38	0	33
315	32	0.9	34	0	30
400	27	1.0	29	0	24
500	25	1.0	27	0	22
630	24	0.9	26	0	21
800	24	1.0	25	0	21
1000	25	0.9	27	0	22
1250	25	0.9	27	0	23
1600	25	0.9	27	0	22
2000	22	0.9	25	1	20
2500	20	0.9	22	1	18
3150	19	0.9	22	4	17
4000†	19	0.9	21		17
5000†	19	0.8	21		16

ISR = 76 **FIIC = 74** **NISR = 79**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Living Room Unit 1027
Volume: 2178 cu.ft. (221.3 cu.m.)
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	65				
16†	52				
20†	70				
25†	57				
31.5†	64				
40†	63				
50†	58				
63†	54				
80†	49	0.6	51		48
100	43	0.6	45	3	42
125	41	0.7	43	1	40
160	39	0.7	40	0	37
200	41	0.7	42	0	39
250	36	0.6	38	0	35
315	36	0.7	38	0	35
400	37	0.7	38	0	35
500	39	0.8	40	0	37
630	34	0.7	35	0	32
800	35	0.8	36	0	33
1000	36	0.9	37	0	34
1250	34	0.8	35	1	32
1600	35	0.8	36	5	33
2000	33	0.8	34	6	31
2500	29	0.8	30	5	27
3150	28	0.8	29	7	26
4000†	27	0.8	28		25
5000†	24	0.7	25		22

ISR = 71 **FIIC = 70** **NISR = 73**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bathroom Unit 203
Volume: 688.5 cu.ft. (70 cu.m.)
Assembly: CER_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	51				
16†	50				
20†	55				
25†	59				
31.5†	70				
40†	71				
50†	68				
63†	75				
80†	68	0.7	65		67
100	67	0.7	64	0	66
125	68	0.7	64	0	66
160	68	0.7	65	0	67
200	72	0.7	68	0	70
250	76	0.7	72	0	74
315	74	0.7	71	0	73
400	74	0.8	70	0	72
500	72	0.9	67	0	69
630	73	0.8	69	0	71
800	73	0.8	69	0	71
1000	72	0.9	67	0	69
1250	68	0.8	64	0	66
1600	70	0.8	65	1	68
2000	72	0.7	68	7	70
2500	70	0.7	66	8	68
3150	64	0.7	61	6	63
4000†	59	0.7	56		58
5000†	51	0.7	48		50

ISR = 33 **FIIC = 37** **NISR = 35**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bathroom Unit 204
Volume: 504 cu.ft. (51.2 cu.m.)
Assembly: CER_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	69				
16†	71				
20†	56				
25†	56				
31.5†	61				
40†	57				
50†	51				
63†	64				
80†	63	0.7	58		61
100	63	0.7	59	0	62
125	56	0.7	51	0	54
160	63	0.7	58	0	61
200	67	0.7	62	0	65
250	64	0.7	59	0	62
315	67	0.7	62	0	66
400	67	0.8	62	0	65
500	68	0.9	63	0	66
630	66	0.8	61	0	64
800	66	0.8	61	0	64
1000	64	0.9	58	0	62
1250	65	0.8	60	1	63
1600	65	0.8	59	3	63
2000	66	0.7	61	8	64
2500	63	0.7	58	8	61
3150	55	0.7	51	4	54
4000†	47	0.7	42		45
5000†	39	0.7	35		38

ISR = 40 **FIIC = 45** **NISR = 42**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bathroom Unit 205
Volume: 432 cu.ft. (43.9 cu.m.)
Assembly: CER_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	44				
16†	48				
20†	69				
25†	60				
31.5†	73				
40†	66				
50†	65				
63†	66				
80†	65	0.7	59		63
100	58	0.7	53	0	57
125	64	0.7	59	0	63
160	65	0.7	59	0	63
200	68	0.7	62	0	66
250	68	0.7	63	0	67
315	69	0.7	64	0	68
400	68	0.8	62	0	66
500	68	0.9	61	0	66
630	69	0.8	62	0	66
800	68	0.8	62	0	66
1000	66	0.9	59	0	63
1250	66	0.8	60	0	64
1600	65	0.8	59	2	63
2000	67	0.7	61	7	65
2500	64	0.7	59	8	63
3150	55	0.7	50	2	54
4000†	48	0.7	43		47
5000†	42	0.7	37		41

ISR = 39 **FIIC = 44** **NISR = 40**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Bathroom Unit 207
Volume: 567 cu.ft. (57.6 cu.m.)
Assembly: CER_RMU5_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	70				
16†	56				
20†	66				
25†	66				
31.5†	75				
40†	68				
50†	63				
63†	67				
80†	65	0.7	60		63
100	61	0.7	57	0	60
125	66	0.7	61	0	64
160	71	0.7	66	0	69
200	70	0.7	66	0	69
250	72	0.7	68	2	71
315	69	0.7	65	0	68
400	71	0.8	66	1	69
500	69	0.9	64	0	67
630	71	0.8	66	3	69
800	70	0.8	65	3	68
1000	70	0.9	64	3	67
1250	69	0.8	64	6	67
1600	64	0.8	59	4	61
2000	60	0.7	56	4	59
2500	56	0.7	51	2	54
3150	49	0.7	45	0	48
4000†	44	0.7	40		43
5000†	40	0.7	36		39

ISR = 41 **FIIC = 46** **NISR = 43**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: Entry Unit 203
Volume: 360 cu.ft. (36.6 cu.m.)
Assembly: SLT_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	53				
16†	50				
20†	57				
25†	51				
31.5†	65				
40†	71				
50†	79				
63†	77				
80†	79	0.6	73		78
100	72	0.6	66	1	71
125	69	0.9	61	0	66
160	66	0.8	59	0	64
200	65	0.7	59	0	64
250	65	0.8	58	0	63
315	68	0.7	62	0	67
400	70	0.8	63	0	68
500	70	0.9	62	0	67
630	69	0.8	62	0	67
800	68	0.7	62	1	67
1000	65	0.8	58	0	63
1250	63	0.7	57	0	62
1600	65	0.8	58	4	63
2000	66	0.7	59	8	64
2500	61	0.8	55	7	59
3150	55	0.8	48	3	53
4000†	48	0.8	41		46
5000†	40	0.8	33		38

ISR = 40 **FIIC = 47** **NISR = 42**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: Entry Unit 204
Volume: 540 cu.ft. (54.9 cu.m.)
Assembly: SLT_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	49				
16†	49				
20†	54				
25†	55				
31.5†	58				
40†	61				
50†	70				
63†	70				
80†	62	0.6	58		61
100	63	0.6	59	0	62
125	68	0.9	62	1	65
160	68	0.8	63	2	66
200	65	0.7	60	0	63
250	68	0.8	63	2	66
315	67	0.7	62	1	65
400	66	0.8	61	1	64
500	65	0.9	60	1	63
630	63	0.8	58	0	61
800	61	0.7	56	0	59
1000	59	0.8	54	0	57
1250	58	0.7	53	0	57
1600	58	0.8	52	2	56
2000	60	0.7	55	8	58
2500	56	0.8	51	7	54
3150	49	0.8	44	3	47
4000†	43	0.8	38		41
5000†	37	0.8	32		35

ISR = 46 **FIIC = 51** **NISR = 48**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Entry Unit 207
Volume: 288 cu.ft. (29.3 cu.m.)
Assembly: SLT_RMU5_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	47				
16†	51				
20†	52				
25†	58				
31.5†	63				
40†	68				
50†	64				
63†	61				
80†	63	0.6	57		63
100	57	0.6	50	0	56
125	64	0.9	55	0	61
160	65	0.8	58	3	63
200	66	0.7	59	4	65
250	64	0.8	57	2	62
315	64	0.7	56	1	62
400	64	0.8	56	2	62
500	63	0.9	54	1	60
630	62	0.8	54	2	60
800	59	0.7	52	1	58
1000	58	0.8	50	0	56
1250	56	0.7	48	1	54
1600	54	0.8	46	2	52
2000	54	0.7	46	5	52
2500	48	0.8	40	2	46
3150	42	0.8	34	0	40
4000†	36	0.8	28		34
5000†	31	0.8	23		29

ISR = 49 **FIIC = 57** **NISR = 51**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 203
Volume: 1620 cu.ft. (164.6 cu.m.)
Assembly: VSHT_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	47				
16†	58				
20†	63				
25†	62				
31.5†	73				
40†	70				
50†	71				
63†	68				
80†	67	0.5	69		67
100	65	0.5	66	0	65
125	72	0.6	73	3	71
160	71	0.6	72	2	70
200	71	0.8	70	0	69
250	73	0.8	72	2	71
315	71	1.1	70	0	68
400	70	1.3	67	0	66
500	70	0.8	69	1	68
630	69	0.8	69	2	67
800	68	0.7	68	2	67
1000	65	0.7	65	0	63
1250	64	0.8	63	1	61
1600	62	0.8	61	2	60
2000	61	0.8	61	5	59
2500	58	0.7	58	5	56
3150	51	0.8	50	0	49
4000†	44	0.8	43		42
5000†	37	0.8	36		35

ISR = 42 **FIIC = 42** **NISR = 44**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 204
Volume: 1350 cu.ft. (137.2 cu.m.)
Assembly: VPLK_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	47				
16†	51				
20†	57				
25†	65				
31.5†	69				
40†	72				
50†	71				
63†	66				
80†	61	0.5	62		61
100	62	0.5	63	1	62
125	67	0.6	67	5	66
160	66	0.6	66	4	65
200	67	0.8	65	3	65
250	67	0.8	66	4	65
315	67	1.1	64	2	63
400	66	1.3	63	2	62
500	62	0.8	61	1	60
630	62	0.8	61	2	60
800	58	0.7	58	0	57
1000	54	0.7	54	0	53
1250	51	0.8	49	0	49
1600	47	0.8	45	0	45
2000	41	0.8	40	0	39
2500	36	0.7	35	0	34
3150	32	0.8	31	0	30
4000†	31	0.8	29		28
5000†	28	0.8	27		26

ISR = 49 **FIIC = 50** **NISR = 51**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Kitchen Unit 205
Volume: 2457 cu.ft. (249.7 cu.m.)
Assembly: SLT_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	49				
16†	62				
20†	73				
25†	69				
31.5†	66				
40†	75				
50†	70				
63†	64				
80†	64	0.6	67		64
100	56	0.6	58	0	55
125	57	0.9	58	0	54
160	59	0.8	61	0	57
200	65	0.7	67	1	64
250	63	0.8	64	0	61
315	65	0.7	67	1	64
400	66	0.8	68	3	64
500	63	0.9	64	0	60
630	64	0.8	66	3	62
800	61	0.7	63	1	59
1000	60	0.8	61	0	58
1250	58	0.7	60	2	56
1600	57	0.8	58	3	55
2000	56	0.7	58	6	55
2500	51	0.8	52	3	49
3150	44	0.8	45	0	42
4000†	38	0.8	39		36
5000†	31	0.8	33		29

ISR = 48 **FIIC = 46** **NISR = 50**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: Kitchen Unit 206
Volume: 1350 cu.ft. (137.2 cu.m.)
Assembly: VPLK_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	49				
16†	53				
20†	63				
25†	60				
31.5†	64				
40†	70				
50†	71				
63†	66				
80†	73	0.5	74		73
100	70	0.5	71	4	70
125	71	0.6	71	4	71
160	69	0.6	70	3	69
200	74	0.8	73	6	72
250	73	0.8	72	5	71
315	72	1.1	70	3	69
400	69	1.3	66	0	65
500	69	0.8	67	2	67
630	63	0.8	62	0	61
800	57	0.7	57	0	56
1000	54	0.7	54	0	53
1250	52	0.8	51	0	50
1600	48	0.8	46	0	46
2000	43	0.8	41	0	40
2500	40	0.7	39	0	38
3150	40	0.8	38	0	38
4000†	38	0.8	36		35
5000†	33	0.8	32		31

ISR = 44 **FIIC = 45** **NISR = 46**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
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Room: Kitchen Unit 207
Volume: 2457 cu.ft. (249.7 cu.m.)
Assembly: SLT_RMU5_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	48				
16†	56				
20†	73				
25†	65				
31.5†	72				
40†	78				
50†	73				
63†	66				
80†	58	0.6	61		58
100	57	0.6	60	0	56
125	61	0.9	62	0	59
160	61	0.8	62	0	59
200	64	0.7	66	2	62
250	62	0.8	64	0	60
315	64	0.7	66	2	63
400	64	0.8	65	2	61
500	63	0.9	64	2	61
630	62	0.8	63	2	60
800	61	0.7	63	3	59
1000	59	0.8	60	1	57
1250	57	0.7	59	3	56
1600	55	0.8	57	4	53
2000	54	0.7	56	6	53
2500	50	0.8	51	4	48
3150	44	0.8	45	1	42
4000†	37	0.8	38		35
5000†	31	0.8	33		29

ISR = 49 **FIIC = 48** **NISR = 51**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: Living Room Unit 203
Volume: 3240 cu.ft. (329.3 cu.m.)
Assembly: CPT_GCON19_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	60				
16†	65				
20†	82				
25†	68				
31.5†	66				
40†	62				
50†	66				
63†	69				
80†	63	0.8	65		61
100	52	0.8	55	8	50
125	46	0.9	48	1	44
160	44	0.7	47	0	43
200	42	0.8	44	0	40
250	37	0.8	40	0	35
315	34	0.7	38	0	33
400	33	0.7	37	0	32
500	31	0.6	35	0	30
630	28	0.6	32	0	28
800	27	0.7	31	0	26
1000	26	0.7	29	0	25
1250	26	0.8	29	0	24
1600	26	0.8	29	0	24
2000	27	0.9	29	0	24
2500	28	1.0	29	0	25
3150	28	1.0	29	2	24
4000†	27	1.0	29		24
5000†	27	0.9	30		25

ISR = 68 **FIIC = 65** **NISR = 70**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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JEACOUSTICS
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Room: Living Room Unit 204
Volume: 1872 cu.ft. (190.2 cu.m.)
Assembly: CPT_GCON19_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	L_p (dB)	T_{60} (sec)	L_n* normalized to A_0=108 Sabins (dB)	Deficiencies (dB)	L'_n normalized to T_0= 0.5 s (dB)
12.5†	53				
16†	75				
20†	73				
25†	66				
31.5†	66				
40†	59				
50†	58				
63†	53				
80†	53	0.8	54		51
100	44	0.8	44	6	42
125	44	0.9	44	6	41
160	41	0.7	41	3	39
200	42	0.8	43	5	40
250	33	0.8	34	0	31
315	32	0.7	32	0	30
400	31	0.7	32	0	29
500	27	0.6	29	0	26
630	28	0.6	29	0	27
800	26	0.7	26	0	24
1000	26	0.7	27	0	25
1250	26	0.8	26	0	24
1600	26	0.8	26	0	24
2000	25	0.9	25	1	23
2500	25	1.0	25	4	22
3150	26	1.0	25	7	23
4000†	26	1.0	26		23
5000†	27	0.9	27		24

ISR = 74 **FIIC = 74** **NISR = 76**

*Measured in general accordance with ASTM E 1007, without determination of confidence limits
† One-third octave band not included in FIIC calculations

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Room: NNR* - Unit CV101 Bedroom to Unit CV102 Bedroom - NNIC 51
Assembly: GCON19_PLYWD19_WT457_GFB89_RC(203)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	2			
16†	2			
20†	2			
25†	15			
31.5†	16			
40†	23			
50†	26			
63†	22			
80†	18	0.7	19	
100	32	0.6	32	0
125	40	0.5	40	0
160	33	0.5	33	5
200	37	0.6	37	4
250	42	0.6	42	2
315	42	0.6	42	5
400	48	0.8	50	0
500	49	0.8	52	0
630	48	0.8	50	2
800	48	0.7	50	3
1000	46	0.6	47	7
1250	51	0.7	52	3
1600	55	0.7	56	0
2000	59	0.7	61	0
2500	60	0.7	62	0
3150	64	0.7	66	0
4000	69	0.7	71	0
5000†	73	0.7	75	

Field Normalized Noise Isolation Class (NNIC) = 51

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 2105 Bathroom to Unit 2205 Bathroom - NNIC 57
Assembly: CER_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	1			
16†	6			
20†	17			
25†	25			
31.5†	27			
40†	28			
50†	25			
63†	16			
80†	33	0.5	33	
100	36	0.5	36	0
125	43	0.5	43	0
160	42	0.5	42	2
200	45	0.7	46	1
250	45	0.8	47	3
315	49	0.7	51	2
400	50	0.8	52	4
500	50	0.8	52	5
630	53	0.8	55	3
800	54	0.8	56	3
1000	56	0.8	58	2
1250	59	0.8	61	0
1600	62	0.8	64	0
2000	62	0.7	63	0
2500	64	0.7	65	0
3150	70	0.7	71	0
4000	76	0.7	78	0
5000†	80	0.7	81	

Field Normalized Noise Isolation Class (NNIC) = 57

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 2105 Bedroom to Unit 2205 Bedroom - NNIC 55
Assembly: CPT_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	0			
16†	2			
20†	6			
25†	11			
31.5†	17			
40†	17			
50†	13			
63†	14			
80†	18	0.6	19	
100	32	0.6	33	0
125	31	0.9	33	6
160	42	0.6	43	0
200	38	0.7	39	6
250	44	0.6	45	3
315	46	0.5	46	5
400	48	0.6	48	6
500	53	0.6	53	2
630	56	0.8	58	0
800	59	0.7	60	0
1000	62	0.7	63	0
1250	65	0.8	67	0
1600	66	0.7	67	0
2000	61	0.6	62	0
2500	60	0.6	61	0
3150	69	0.7	70	0
4000	75	0.7	76	0
5000†	76	0.6	77	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 2105 Kitchen to Unit 2205 Kitchen - NNIC 56
Assembly: WD_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	2			
16†	3			
20†	11			
25†	22			
31.5†	30			
40†	23			
50†	22			
63†	22			
80†	26	0.6	26	
100	35	0.6	36	0
125	39	0.5	39	1
160	41	0.5	41	2
200	44	0.6	45	1
250	44	0.6	45	4
315	48	0.6	49	3
400	49	0.5	49	6
500	50	0.6	51	5
630	54	0.4	53	4
800	56	0.4	55	3
1000	59	0.5	59	0
1250	63	0.5	63	0
1600	65	0.6	65	0
2000	64	0.7	65	0
2500	65	0.7	66	0
3150	71	0.8	73	0
4000	76	0.8	78	0
5000†	77	0.7	78	

Field Normalized Noise Isolation Class (NNIC) = 56

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 2105 Living Room to Unit 2205 Living Room - NNIC 53
Assembly: CPT_GCON19_PLYWD19_WT457_GFB152.4_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	0			
16†	3			
20†	2			
25†	10			
31.5†	18			
40†	25			
50†	20			
63†	16			
80†	19	0.6	20	
100	25	0.6	26	0
125	29	0.6	29	8
160	39	0.7	40	0
200	40	0.7	41	2
250	43	0.7	44	2
315	48	0.8	50	0
400	50	0.6	51	1
500	52	0.6	52	1
630	55	0.6	56	0
800	59	0.6	60	0
1000	63	0.6	63	0
1250	65	0.6	66	0
1600	66	0.6	67	0
2000	63	0.6	64	0
2500	62	0.6	62	0
3150	69	0.7	70	0
4000	75	0.7	77	0
5000†	77	0.6	78	

Field Normalized Noise Isolation Class (NNIC) = 53

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1010 Bathroom to Unit 1020 Bathroom - NNIC 53
Assembly: CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	11			
16†	25			
20†	26			
25†	19			
31.5†	21			
40†	25			
50†	26			
63†	30			
80†	31	0.6	31	
100	39	0.6	40	0
125	42	0.6	42	0
160	34	0.6	35	5
200	37	0.6	38	5
250	42	0.8	44	2
315	41	0.9	44	5
400	45	1.1	48	4
500	46	1.0	49	4
630	49	0.9	52	2
800	51	1.0	54	1
1000	55	1.1	58	0
1250	57	0.9	60	0
1600	59	0.9	62	0
2000	60	0.7	62	0
2500	65	0.7	66	0
3150	72	0.7	74	0
4000	79	0.7	81	0
5000†	82	0.7	84	

Field Normalized Noise Isolation Class (NNIC) = 53

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1012 Bathroom to Unit 1022 Bathroom - NNIC 58
Assembly: CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	5			
16†	13			
20†	15			
25†	20			
31.5†	28			
40†	34			
50†	38			
63†	35			
80†	31	0.6	32	
100	36	0.6	36	0
125	34	0.6	35	7
160	48	0.6	48	0
200	47	0.6	48	0
250	47	0.8	49	2
315	47	0.9	50	4
400	48	1.1	51	6
500	50	1.0	53	5
630	53	0.9	55	4
800	55	1.0	58	2
1000	60	1.1	63	0
1250	63	0.9	65	0
1600	66	0.9	69	0
2000	65	0.7	67	0
2500	70	0.7	72	0
3150	73	0.7	74	0
4000	76	0.7	78	0
5000†	77	0.7	79	

Field Normalized Noise Isolation Class (NNIC) = 58

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1014 Bathroom to Unit 1024 Bathroom - NNIC 55
Assembly: CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	1			
16†	12			
20†	14			
25†	22			
31.5†	19			
40†	25			
50†	30			
63†	31			
80†	29	0.6	30	
100	26	0.6	27	0
125	37	0.6	38	1
160	41	0.6	42	0
200	41	0.8	43	2
250	43	0.8	45	3
315	44	0.8	46	5
400	46	0.8	48	6
500	46	0.8	48	7
630	49	0.9	51	5
800	52	1.0	55	2
1000	56	1.0	59	0
1250	60	1.0	63	0
1600	63	0.8	65	0
2000	63	0.7	64	0
2500	67	0.7	69	0
3150	72	0.7	73	0
4000	77	0.7	78	0
5000†	79	0.7	80	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1016 Bathroom to Unit 1026 Bathroom - NNIC 57
Assembly: CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†				
20†	15			
25†	21			
31.5†	24			
40†	29			
50†	33			
63†	20			
80†	28	0.7	29	
100	31	0.7	33	0
125	40	0.6	40	1
160	38	0.7	40	4
200	45	0.9	48	0
250	45	0.9	48	2
315	45	1.0	48	5
400	49	0.9	52	4
500	49	0.9	51	6
630	52	0.9	55	3
800	54	1.1	58	1
1000	58	1.1	62	0
1250	62	0.9	65	0
1600	65	0.8	67	0
2000	64	0.8	66	0
2500	68	0.8	70	0
3150	75	0.8	77	0
4000	82	0.8	84	0
5000†	85	0.7	86	

Field Normalized Noise Isolation Class (NNIC) = 57

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1023 Bathroom to Unit 1033 Bathroom - NNIC 55
Assembly: CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	8			
16†	3			
20†	14			
25†	24			
31.5†	29			
40†	28			
50†	27			
63†	33			
80†	32	0.6	33	
100	34	0.6	34	0
125	38	0.5	38	1
160	37	0.6	37	5
200	44	0.7	46	0
250	44	0.8	46	2
315	44	0.6	44	7
400	47	0.7	49	5
500	47	0.7	48	7
630	51	0.8	53	3
800	55	0.8	57	0
1000	59	0.8	61	0
1250	62	0.7	64	0
1600	65	0.7	67	0
2000	65	0.7	67	0
2500	68	0.7	69	0
3150	74	0.7	76	0
4000	79	0.6	80	0
5000†	81	0.6	82	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1025 Bathroom to Unit 1035 Bathroom - NNIC 50
Assembly: CER_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	7			
16†	5			
20†	19			
25†	29			
31.5†	40			
40†	38			
50†	38			
63†	32			
80†	29	0.6	29	
100	30	0.6	30	0
125	25	0.7	26	8
160	36	0.5	36	1
200	45	0.5	45	0
250	45	0.6	45	0
315	43	0.6	44	2
400	45	0.7	47	2
500	48	0.8	50	0
630	51	0.7	52	0
800	54	0.7	55	0
1000	60	0.7	61	0
1250	64	0.7	65	0
1600	65	0.6	66	0
2000	64	0.6	65	0
2500	68	0.6	69	0
3150	77	0.6	77	0
4000	83	0.6	83	0
5000†	85	0.6	85	

Field Normalized Noise Isolation Class (NNIC) = 50

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 1027 Bathroom to Unit 1037 Bathroom - NNIC 58
Assembly: CER_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	17			
16†	23			
20†	22			
25†	26			
31.5†	29			
40†	33			
50†	34			
63†	26			
80†	33	0.6	34	
100	32	0.6	32	0
125	44	0.6	45	0
160	45	0.7	47	0
200	40	0.7	41	7
250	44	0.7	45	6
315	47	0.7	49	5
400	48	0.8	50	7
500	52	0.9	54	4
630	55	0.8	57	2
800	59	0.9	61	0
1000	63	0.9	65	0
1250	67	0.8	69	0
1600	69	0.8	71	0
2000	69	0.7	70	0
2500	73	0.8	75	0
3150	79	0.8	81	0
4000	83	0.8	85	0
5000†	84	0.7	85	

Field Normalized Noise Isolation Class (NNIC) = 58

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 1010 Kitchen to Unit 1020 Kitchen - NNIC 55
Assembly: VSHT_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†	2			
20†	10			
25†	25			
31.5†	20			
40†	22			
50†	23			
63†	25			
80†	22	0.7	24	
100	25	0.7	27	0
125	36	0.8	38	1
160	40	0.7	42	0
200	37	0.8	39	6
250	41	0.9	43	5
315	47	0.9	49	2
400	49	0.9	52	2
500	49	0.8	51	4
630	52	0.7	54	2
800	54	0.9	56	1
1000	56	0.8	58	0
1250	59	0.9	61	0
1600	61	0.9	64	0
2000	61	0.8	63	0
2500	65	0.8	67	0
3150	69	0.8	71	0
4000	73	0.8	75	0
5000†	75	0.8	77	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1012 Kitchen to Unit 1022 Kitchen - NNIC 59
Assembly: VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	8			
16†	9			
20†	8			
25†	17			
31.5†	17			
40†	27			
50†	33			
63†	31			
80†	27	0.7	29	
100	38	0.7	39	0
125	37	0.8	39	4
160	38	0.7	40	6
200	44	0.8	46	3
250	47	0.9	50	2
315	48	0.9	50	5
400	52	0.9	54	4
500	53	0.8	55	4
630	57	0.7	58	2
800	56	0.9	59	2
1000	61	0.8	63	0
1250	63	0.9	66	0
1600	61	0.9	63	0
2000	61	0.8	63	0
2500	65	0.8	67	0
3150	65	0.8	67	0
4000	69	0.8	71	0
5000†	70	0.8	72	

Field Normalized Noise Isolation Class (NNIC) = 59

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 1014 Kitchen to Unit 1024 Kitchen - NNIC 57
Assembly: VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	32			
16†	22			
20†	21			
25†	17			
31.5†	18			
40†	20			
50†	24			
63†	26			
80†	23	0.8	25	
100	29	0.8	31	0
125	36	0.8	38	3
160	39	0.9	41	3
200	41	0.9	44	3
250	43	1.0	46	4
315	47	0.8	49	4
400	50	0.9	52	4
500	51	0.9	54	3
630	56	1.0	59	0
800	57	0.9	59	0
1000	60	0.9	63	0
1250	60	0.9	63	0
1600	56	1.0	59	2
2000	59	0.9	61	0
2500	64	0.8	66	0
3150	65	0.9	67	0
4000	70	0.8	72	0
5000†	72	0.8	74	

Field Normalized Noise Isolation Class (NNIC) = 57

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 1016 Kitchen to Unit 1026 Kitchen - NNIC 55
Assembly: VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	2			
16†	11			
20†	19			
25†	23			
31.5†	21			
40†	27			
50†	22			
63†	24			
80†	25	0.7	27	
100	33	0.7	34	0
125	29	0.7	31	8
160	37	0.6	38	4
200	40	0.7	41	4
250	39	0.7	40	8
315	46	0.7	48	3
400	51	0.7	52	2
500	53	0.7	55	0
630	56	0.7	57	0
800	57	0.7	58	0
1000	59	0.8	61	0
1250	61	0.8	63	0
1600	62	0.9	65	0
2000	63	0.8	65	0
2500	68	0.8	70	0
3150	72	0.9	75	0
4000	75	0.8	77	0
5000†	76	0.8	78	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1023 Kitchen to Unit 1033 Kitchen - NNIC 57
Assembly: VPLK_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	21			
16†	6			
20†	5			
25†	11			
31.5†	26			
40†	22			
50†	15			
63†	27			
80†	33	0.7	35	
100	33	0.7	34	0
125	35	0.8	37	4
160	43	0.6	44	0
200	44	0.7	46	1
250	47	0.6	48	2
315	48	0.6	49	4
400	50	0.6	50	6
500	50	0.6	51	6
630	52	0.6	53	5
800	56	0.7	57	2
1000	60	0.8	62	0
1250	59	0.8	61	0
1600	58	0.8	60	1
2000	60	0.8	62	0
2500	66	0.7	67	0
3150	70	0.8	72	0
4000	74	0.7	75	0
5000†	76	0.7	77	

Field Normalized Noise Isolation Class (NNIC) = 57

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 1025 Kitchen to Unit 1035 Kitchen - NNIC 56
Assembly: VPLK_GCON32_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	3			
16†	3			
20†	6			
25†	11			
31.5†	20			
40†	21			
50†	25			
63†	27			
80†	33	0.6	33	
100	38	0.6	38	0
125	36	0.7	37	3
160	42	0.8	44	0
200	47	0.7	48	0
250	43	0.8	45	4
315	50	0.8	52	0
400	48	0.9	50	5
500	49	1.0	52	4
630	50	0.8	52	5
800	54	0.9	57	1
1000	55	1.0	58	1
1250	54	1.0	57	3
1600	53	1.0	56	4
2000	57	0.9	60	0
2500	63	0.8	65	0
3150	65	0.9	68	0
4000	71	0.8	73	0
5000†	73	0.8	75	

Field Normalized Noise Isolation Class (NNIC) = 56

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1027 Kitchen to Unit 1037 Kitchen - NNIC 56
Assembly: VSHT_GCON25_CSU5_PLYWD19_WT457_GFB89_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	2			
16†	3			
20†	9			
25†	18			
31.5†	21			
40†	17			
50†	20			
63†	28			
80†	26	0.7	27	
100	32	0.7	33	0
125	36	0.7	38	2
160	38	0.7	40	3
200	44	0.7	45	1
250	46	0.7	48	1
315	50	0.7	51	1
400	53	0.7	54	1
500	50	0.7	52	4
630	53	0.7	55	2
800	56	0.8	58	0
1000	57	0.8	59	0
1250	56	0.8	58	2
1600	55	0.8	57	3
2000	57	0.7	58	2
2500	60	0.7	62	0
3150	60	0.8	62	0
4000	64	0.8	66	0
5000†	64	0.7	66	

Field Normalized Noise Isolation Class (NNIC) = 56

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1010 Living Room to Unit 1020 Living Room - NNIC 55
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†				
20†	4			
25†	20			
31.5†	14			
40†	19			
50†	20			
63†	15			
80†	18	0.9	21	
100	26	0.9	29	0
125	33	0.9	36	3
160	37	0.8	39	3
200	37	1.1	40	5
250	40	1.0	43	5
315	44	0.9	47	4
400	48	0.8	50	4
500	50	0.8	52	3
630	56	0.9	58	0
800	58	0.9	60	0
1000	61	0.9	63	0
1250	61	0.9	64	0
1600	60	1.0	63	0
2000	62	1.0	65	0
2500	67	0.9	69	0
3150	68	0.9	71	0
4000	73	0.9	76	0
5000†	74	0.9	77	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1012 Living Room to Unit 1022 Living Room - NNIC 59
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	0			
16†	1			
20†	14			
25†	21			
31.5†	24			
40†	15			
50†	24			
63†	23			
80†	30	0.9	33	
100	31	0.9	34	0
125	35	0.9	37	6
160	41	0.8	43	3
200	43	1.1	46	3
250	47	1.0	50	2
315	51	0.9	54	1
400	53	0.8	55	3
500	54	0.8	56	3
630	56	0.9	58	2
800	56	0.9	59	2
1000	59	0.9	62	0
1250	63	0.9	65	0
1600	61	1.0	64	0
2000	63	1.0	66	0
2500	67	0.9	70	0
3150	68	0.9	70	0
4000	71	0.9	73	0
5000†	71	0.9	74	

Field Normalized Noise Isolation Class (NNIC) = 59

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1014 Living Room to Unit 1024 Living Room - NNIC 55
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†	7			
20†	15			
25†	21			
31.5†	28			
40†	29			
50†	20			
63†	12			
80†	25	0.6	26	
100	28	0.6	29	0
125	29	0.7	31	8
160	41	0.6	41	1
200	40	0.7	41	4
250	41	0.7	42	6
315	46	0.7	48	3
400	50	0.6	51	3
500	53	0.7	54	1
630	55	0.6	56	0
800	58	0.7	60	0
1000	60	0.8	62	0
1250	59	0.8	61	0
1600	55	0.8	57	2
2000	59	0.8	61	0
2500	63	0.8	65	0
3150	64	0.7	65	0
4000	69	0.8	71	0
5000†	72	0.7	73	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEACOUSTICS
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Room: NNR* - Unit 1016 Living Room to Unit 1026 Living Room - NNIC 54
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	9			
16†	8			
20†	9			
25†	20			
31.5†	25			
40†	25			
50†	11			
63†	17			
80†	23	0.6	24	
100	21	0.6	21	0
125	31	0.7	33	5
160	34	0.7	36	5
200	37	0.7	39	5
250	40	0.6	41	6
315	42	0.7	43	7
400	50	0.7	51	2
500	52	0.8	54	0
630	52	0.7	53	2
800	54	0.8	56	0
1000	61	0.9	64	0
1250	62	0.8	64	0
1600	60	0.8	62	0
2000	63	0.8	65	0
2500	67	0.8	69	0
3150	70	0.8	72	0
4000	74	0.8	76	0
5000†	76	0.7	77	

Field Normalized Noise Isolation Class (NNIC) = 54

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 1027 Living Room to Unit 1037 Living Room - NNIC 59
Assembly: CPT_GCON32_PLYWD19_WT457_RC(406)_GWB(2)16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	14			
16†	8			
20†	13			
25†	21			
31.5†	31			
40†	28			
50†	26			
63†	22			
80†	22	0.6	23	
100	21	0.6	21	0
125	38	0.7	39	4
160	45	0.7	47	0
200	48	0.7	49	0
250	45	0.6	46	6
315	50	0.7	51	4
400	54	0.7	55	3
500	53	0.8	55	4
630	55	0.7	57	3
800	56	0.8	58	3
1000	58	0.9	61	1
1250	59	0.8	61	2
1600	59	0.8	61	2
2000	62	0.8	64	0
2500	67	0.8	69	0
3150	70	0.8	72	0
4000	75	0.8	77	0
5000†	76	0.7	77	

Field Normalized Noise Isolation Class (NNIC) = 59

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 203 Bathroom to Unit 303 Bathroom - NNIC 53
Assembly: CER_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†				
20†	17			
25†	30			
31.5†	28			
40†	24			
50†	21			
63†	17			
80†	24	0.5	24	
100	31	0.5	31	0
125	29	0.5	29	8
160	40	0.5	40	0
200	37	0.6	38	5
250	44	0.7	45	1
315	44	0.7	46	3
400	45	0.8	47	5
500	45	0.8	47	6
630	49	0.8	51	3
800	52	1.0	55	0
1000	55	1.1	58	0
1250	59	0.9	61	0
1600	59	0.8	61	0
2000	60	0.7	62	0
2500	63	0.7	65	0
3150	66	0.7	68	0
4000	69	0.7	71	0
5000†	69	0.7	70	

Field Normalized Noise Isolation Class (NNIC) = 53

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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Room: NNR* - Unit 204 Bathroom to Unit 304 Bathroom - NNIC 57
Assembly: CER_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†	12			
20†	22			
25†	28			
31.5†	37			
40†	32			
50†	31			
63†	30			
80†	22	0.6	23	
100	40	0.6	41	0
125	39	0.4	38	3
160	38	0.5	38	6
200	43	0.5	43	4
250	49	0.7	50	0
315	54	0.6	55	0
400	49	0.6	49	7
500	50	0.5	50	7
630	55	0.6	55	3
800	56	0.9	59	0
1000	60	0.6	60	0
1250	63	0.7	65	0
1600	64	0.6	65	0
2000	64	0.6	65	0
2500	67	0.6	68	0
3150	69	0.6	70	0
4000	72	0.6	72	0
5000†	70	0.5	70	

Field Normalized Noise Isolation Class (NNIC) = 57

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 205 Bathroom to Unit 305 Bathroom - NNIC 59
Assembly: CER_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	16			
16†	20			
20†	27			
25†	28			
31.5†	34			
40†	31			
50†	29			
63†	18			
80†	20	0.5	20	
100	42	0.5	42	0
125	39	0.5	39	4
160	46	0.6	46	0
200	40	0.8	42	7
250	49	0.8	51	1
315	49	0.6	50	5
400	51	0.8	53	5
500	54	0.9	57	2
630	56	0.9	58	2
800	58	0.9	61	0
1000	60	0.9	63	0
1250	62	0.8	64	0
1600	63	0.8	65	0
2000	64	0.7	66	0
2500	66	0.7	68	0
3150	69	0.7	70	0
4000	71	0.7	73	0
5000†	70	0.6	71	

Field Normalized Noise Isolation Class (NNIC) = 59

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 207 Bathroom to Unit 307 Bathroom - NNIC 58
Assembly: CER_RMU5_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†				
20†	7			
25†	22			
31.5†	27			
40†	32			
50†	33			
63†	23			
80†	21	0.6	22	
100	37	0.6	38	0
125	39	0.6	40	2
160	45	0.6	46	0
200	46	0.6	47	1
250	47	0.6	47	4
315	48	0.7	49	5
400	52	0.8	54	3
500	53	0.8	55	3
630	54	0.9	57	2
800	56	0.9	59	1
1000	58	0.9	61	0
1250	60	0.8	62	0
1600	61	0.8	63	0
2000	60	0.7	61	1
2500	63	0.7	65	0
3150	64	0.7	66	0
4000	69	0.7	70	0
5000†	69	0.7	71	

Field Normalized Noise Isolation Class (NNIC) = 58

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 203 Kitchen to Unit 303 Kitchen - NNIC 55
Assembly: VSHT_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†	9			
20†	25			
25†	29			
31.5†	27			
40†	23			
50†	16			
63†	21			
80†	25	0.5	25	
100	26	0.5	26	0
125	30	0.7	32	7
160	39	0.7	40	2
200	43	0.6	43	2
250	48	0.7	49	0
315	47	0.6	48	3
400	51	0.5	51	3
500	53	0.5	53	2
630	54	0.5	54	2
800	55	0.6	55	2
1000	57	0.6	58	0
1250	58	0.6	59	0
1600	60	0.6	61	0
2000	61	0.6	61	0
2500	64	0.5	64	0
3150	68	0.6	69	0
4000	71	0.6	72	0
5000†	72	0.6	73	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR - Unit 204 Kitchen to Unit 304 Kitchen - NNIC 55
Assembly: VPLK_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	7			
16†	11			
20†	22			
25†	28			
31.5†	33			
40†	33			
50†	30			
63†	21			
80†	33	0.5	33	
100	46	0.5	46	0
125	37	0.5	37	2
160	44	0.4	43	0
200	41	0.6	42	3
250	39	0.6	40	8
315	47	0.8	49	2
400	50	0.7	51	3
500	51	0.5	51	4
630	53	0.6	54	2
800	55	0.7	56	1
1000	58	0.7	60	0
1250	60	0.7	61	0
1600	60	0.7	62	0
2000	63	0.6	64	0
2500	65	0.7	66	0
3150	63	0.7	64	0
4000	66	0.7	68	0
5000†	65	0.7	67	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 205 Kitchen to Unit 305 Kitchen - NNIC 58
Assembly: SLT_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	4			
16†	11			
20†	24			
25†	27			
31.5†	33			
40†	30			
50†	24			
63†	25			
80†	31	0.6	31	
100	38	0.6	39	0
125	41	0.7	43	0
160	39	0.7	41	4
200	45	0.9	47	1
250	41	0.8	43	8
315	47	0.6	48	6
400	50	0.7	51	6
500	56	0.7	57	1
630	57	0.7	59	0
800	60	0.7	61	0
1000	60	0.8	62	0
1250	59	0.7	61	1
1600	61	0.8	63	0
2000	63	0.8	65	0
2500	66	0.7	67	0
3150	63	0.8	65	0
4000	66	0.8	68	0
5000†	65	0.7	66	

Field Normalized Noise Isolation Class (NNIC) = 58

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 206 Kitchen to Unit 306 Kitchen - NNIC 50
Assembly: VPLK_RMU2_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†	3			
16†	16			
20†	24			
25†	31			
31.5†	32			
40†	22			
50†	18			
63†	19			
80†	25	0.5	25	
100	34	0.5	34	0
125	28	0.5	28	6
160	41	0.6	42	0
200	38	0.6	39	1
250	37	0.6	38	5
315	41	0.7	42	4
400	43	0.6	44	5
500	43	0.8	45	5
630	49	0.6	50	1
800	49	0.6	50	2
1000	53	0.7	55	0
1250	55	0.7	56	0
1600	57	0.7	59	0
2000	58	0.7	60	0
2500	62	0.7	64	0
3150	59	0.8	61	0
4000	62	0.8	64	0
5000†	57	0.7	58	

Field Normalized Noise Isolation Class (NNIC) = 50

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEAcoustics
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 207 Kitchen to Unit 307 Kitchen - NNIC 62
Assembly: SLT_RMU5_GCON19_PLYWD19_WT457_GFB89_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†	4			
20†	17			
25†	24			
31.5†	28			
40†	27			
50†	23			
63†	27			
80†	41	0.5	41	
100	37	0.5	37	0
125	44	0.7	45	1
160	44	0.6	44	5
200	45	0.7	47	5
250	48	0.9	51	4
315	50	0.8	52	6
400	56	0.8	58	3
500	61	0.7	62	0
630	60	0.8	62	1
800	62	0.8	64	0
1000	63	0.7	64	1
1250	65	0.7	66	0
1600	63	0.8	65	1
2000	63	0.7	65	1
2500	65	0.8	67	0
3150	63	0.8	65	1
4000	66	0.8	68	0
5000†	65	0.7	66	

Field Normalized Noise Isolation Class (NNIC) = 62

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 203 Living Room to Unit 303 Living Room - NNIC 55
Assembly: CPT_GCON19_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†	3			
20†	13			
25†	17			
31.5†	22			
40†	25			
50†	20			
63†	10			
80†	12	0.7	13	
100	35	0.7	36	0
125	35	0.9	37	2
160	33	0.6	34	8
200	37	0.6	38	7
250	40	0.8	42	6
315	46	0.7	48	3
400	53	0.8	55	0
500	53	1.3	57	0
630	57	0.8	59	0
800	61	0.8	63	0
1000	63	0.8	65	0
1250	63	0.8	65	0
1600	63	0.8	65	0
2000	62	0.7	64	0
2500	65	0.7	66	0
3150	63	0.7	64	0
4000	65	0.7	66	0
5000†	64	0.7	65	

Field Normalized Noise Isolation Class (NNIC) = 55

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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JEACOUSTICS
Engineered Vibration Acoustic & Noise Solutions

Room: NNR* - Unit 204 Living Room to Unit 304 Living Room - NNIC 58
Assembly: CPT_GCON19_PLYWD19_WT457_RC(406)_GWB16

Test Results:

Frequency (Hz)	NR (dB)	T_{60} (sec)	NNR* Normalized to T_{60} = 0.5 sec (dB)	Deficiencies (dB)
12.5†				
16†	5			
20†	13			
25†	18			
31.5†	24			
40†	26			
50†	28			
63†	27			
80†	22	0.7	24	
100	30	0.7	31	0
125	38	0.6	38	4
160	39	0.7	40	5
200	42	0.7	43	5
250	45	0.7	47	4
315	48	0.7	49	5
400	49	0.8	51	6
500	54	0.9	56	2
630	57	0.6	58	1
800	59	0.7	61	0
1000	63	0.7	65	0
1250	61	0.7	63	0
1600	62	0.8	64	0
2000	62	0.7	63	0
2500	64	0.7	66	0
3150	62	0.8	64	0
4000	65	0.7	66	0
5000†	65	0.7	66	

Field Normalized Noise Isolation Class (NNIC) = 58

*Measured in general accordance with ASTM E 336, without determination of flanking paths or confidence limits

† One-third octave band not included in NNIC calculations

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