

Relazione giustificativa

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Z01 - UFFICI

1.1. Sala riunioni piano terra

Tipo Abitato (uffici e assimilabili)

Volume 93.59 m³

Isolamento dal rumore aereo esterno	Area/Lunghezza	DnT,w (dB)	C (dB)	Ctr (dB)	D2m,nT,w (dB)	Imposto (dB)	Verifica
Chiusure verticali 1	15.38 m ²	48	-2	-6	48	≥ 42	+ 6 ✓
Z01_S01_W01	15.38 m ²	48	-2	-6	48		
Direct 1 (Z01_S01_W01)	13.13 m ²	67	-3	-10	67		
Opening 1 (Z01_S01_W01_G1)	2.25 m ²	50	-2	-6	50		
Opening 2 (Z01_S01_W01_G1)	1.500 m	56	-2	-5	56		
Lateral 1	5.805 m	56	-1	-3	56		
Lateral 2	2.650 m	68	-4	-11	68		
Lateral 3	2.650 m	67	-3	-9	67		
Lateral 4	5.655 m	62	-4	-12	62		
Chiusure verticali 2	17.23 m ²	45	-2	-6	45	≥ 42	+ 3 ✓
Z01_S01_W02	17.23 m ²	45	-2	-6	45		
Direct 1 (Z01_S01_W02)	12.73 m ²	67	-3	-9	67		
Opening 1 (Z01_S01_W02_G1)	2.25 m ²	50	-2	-6	50		
Opening 2 (Z01_S01_W02_G1)	1.500 m	56	-2	-5	56		
Opening 3 (Z01_S01_W02_G2)	2.25 m ²	50	-2	-6	50		
Opening 4 (Z01_S01_W02_G2)	1.500 m	56	-2	-5	56		
Lateral 1	6.500 m	55	0	-3	55		
Lateral 2	2.650 m	68	-4	-11	68		
Lateral 3	2.650 m	68	-4	-11	68		
Lateral 4	6.500 m	61	-4	-11	61		
Chiusure verticali 3	9.89 m ²	56	-2	-7	56	≥ 42	+ 14 ✓
Z01_S01_W03	9.89 m ²	56	-2	-7	56		
Direct 1 (Z01_S01_W03)	9.89 m ²	68	-3	-9	68		
Lateral 1	3.700 m	58	-1	-4	58		
Lateral 2	2.650 m	68	-4	-11	68		
Lateral 3	2.000 m	66	-4	-11	66		
Lateral 4	2.700 m	72	-3	-9	72		
Lateral 5	1.400 m	69	-6	-14	69		
Coperture	32.62 m ²	55	-5	-12	55	≥ 42	+ 13 ✓
Z01_S01_F02	32.62 m ²	55	-5	-12	55		
Direct 1 (Z01_S01_F02)	32.62 m ²	58	-4	-11	58		
Lateral 1	5.655 m	62	-4	-12	62		
Lateral 2	6.500 m	61	-4	-11	61		
Lateral 3	2.000 m	66	-4	-11	66		
Lateral 4	2.650 m	71	-3	-9	71		
Lateral 5	2.003 m	69	-4	-11	69		
Lateral 6	0.450 m	75	-4	-11	75		

1.2. Ufficio 2

Tipo Abitato (uffici e assimilabili)

Volume 33.42 m³

Isolamento dal rumore aereo esterno	Area/Lunghezza	DnT,w (dB)	C (dB)	Ctr (dB)	D2m,nT,w (dB)	Imposto (dB)	Verifica
Chiusure verticali	7.68 m ²	44	-2	-6	44	≥ 42	+ 2 ✓
Z01_S03_W01	7.68 m ²	44	-2	-6	44		
Direct 1 (Z01_S03_W01)	5.43 m ²	67	-3	-10	67		



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Opening 1 (Z01_S03_W01_G1)	2.25 m ²	45	-2	-5	45			
Opening 2 (Z01_S03_W01_G1)	1.500 m	52	-2	-6	52			
Lateral 1	2.898 m	54	0	-3	54			
Lateral 2	2.650 m	65	-3	-9	65			
Lateral 3	2.650 m	65	-2	-9	65			
Lateral 4	2.898 m	61	-4	-11	61			
Coperture	6.37 m ²	54	-4	-11	54	≥ 42	+ 12	✓
Z01_S03_F02	6.37 m ²	54	-4	-11	54			
Direct 1 (Z01_S03_F02)	6.37 m ²	61	-4	-11	61			
Lateral 1	2.200 m	60	-4	-11	60			
Lateral 2	2.898 m	61	-4	-11	61			
Lateral 3	2.200 m	60	-4	-11	60			
Lateral 4	0.643 m	69	-4	-11	69			
Lateral 5	2.105 m	64	-4	-11	64			

1.3. Ufficio 1

Tipo Abitato (uffici e assimilabili)

Volume 41.2 m³

Isolamento dal rumore aereo esterno	Area/Lunghezza	DnT,w (dB)	C (dB)	Ctr (dB)	D2m,nT,w (dB)	Imposto (dB)	Verifica
Chiusure verticali 1	9.54 m ²	52	-1	-6	52	≥ 42 + 10	✓
Z01_S04_W01	9.54 m ²	52	-1	-6	52		
Direct 1 (Z01_S04_W01)	9.54 m ²	65	-3	-10	65		
Lateral 1	3.575 m	54	0	-3	54		
Lateral 2	2.650 m	64	-3	-10	64		
Lateral 3	2.700 m	67	-3	-10	67		
Lateral 4	2.200 m	62	-4	-11	62		
Lateral 5	1.075 m	67	-3	-10	67		
Chiusure verticali 2	10.81 m ²	44	-2	-5	44	≥ 42 + 2	✓
Z01_S04_W02	10.81 m ²	44	-2	-5	44		
Direct 1 (Z01_S04_W02)	8.56 m ²	65	-2	-9	65		
Opening 1 (Z01_S04_W02_G1)	2.25 m ²	46	-2	-5	46		
Opening 2 (Z01_S04_W02_G1)	1.500 m	52	-2	-5	52		
Lateral 1	2.650 m	66	-3	-9	66		
Lateral 2	4.078 m	54	-1	-3	54		
Lateral 3	2.650 m	64	-3	-10	64		
Lateral 4	4.078 m	60	-4	-11	60		
Coperture	8.97 m ²	54	-4	-11	54	≥ 42 + 12	✓
Z01_S04_F02	8.97 m ²	54	-4	-11	54		
Direct 1 (Z01_S04_F02)	8.97 m ²	60	-4	-11	60		
Lateral 1	2.200 m	61	-4	-11	61		
Lateral 2	2.200 m	62	-4	-11	62		
Lateral 3	4.078 m	60	-4	-11	60		
Lateral 4	4.078 m	62	-4	-11	62		

1.4. Ufficio 3

Tipo Abitato (uffici e assimilabili)

Volume 59.22 m³

Isolamento dal rumore aereo esterno	Area/Lunghezza	DnT,w (dB)	C (dB)	Ctr (dB)	D2m,nT,w (dB)	Imposto (dB)	Verifica
Chiusure verticali 1	15.48 m ²	47	-2	-6	47	≥ 42 + 5	✓
Z01_S05_W01	15.48 m ²	47	-2	-6	47		
Direct 1 (Z01_S05_W01)	14.13 m ²	65	-3	-10	65		
Opening 1 (Z01_S05_W01_G1)	1.35 m ²	50	-2	-6	50		
Opening 2 (Z01_S05_W01_G1)	1.500 m	54	-2	-5	54		



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Lateral 1	5.775 m	54	-1	-3	54			
Lateral 2	2.650 m	66	-4	-11	66			
Lateral 3	2.700 m	65	-2	-9	65			
Lateral 4	2.200 m	64	-4	-11	64			
Lateral 5	3.275 m	64	-4	-11	64			
Chiusure verticali 2	10.14 m ²	46	-2	-6	46	≥ 42	+ 4	✓
Z01_S05_W02	10.14 m ²	46	-2	-6	46			
Direct 1 (Z01_S05_W02)	7.89 m ²	67	-3	-9	67			
Opening 1 (Z01_S05_W02_G1)	2.25 m ²	48	-2	-6	48			
Opening 2 (Z01_S05_W02_G1)	1.500 m	54	-2	-5	54			
Lateral 1	2.650 m	68	-3	-10	68			
Lateral 2	3.825 m	56	-1	-4	56			
Lateral 3	2.650 m	66	-4	-11	66			
Lateral 4	3.825 m	62	-4	-11	62			
Coperture	8.42 m ²	56	-4	-11	56	≥ 42	+ 14	✓
Z01_S05_F02	8.42 m ²	56	-4	-11	56			
Direct 1 (Z01_S05_F02)	8.42 m ²	62	-4	-11	62			
Lateral 1	2.200 m	63	-5	-11	63			
Lateral 2	3.825 m	62	-4	-11	62			
Lateral 3	2.200 m	64	-4	-11	64			
Lateral 4	3.825 m	64	-4	-11	64			

1.5. Ufficio 4

Tipo Abitato (uffici e assimilabili)

Volume 30.62 m³

Isolamento dal rumore aereo esterno	Area/Lunghezza	DnT,w (dB)	C (dB)	Ctr (dB)	D2m,nT,w (dB)	Imposto (dB)	Verifica
Chiusure verticali 1	7.61 m ²	43	-2	-6	43	≥ 42	+ 1 ✓
Z01_S06_W01	7.61 m ²	43	-2	-6	43		
Direct 1 (Z01_S06_W01)	5.36 m ²	66	-3	-10	66		
Opening 1 (Z01_S06_W01_G1)	2.25 m ²	45	-2	-6	45		
Opening 2 (Z01_S06_W01_G1)	1.500 m	51	-2	-5	51		
Lateral 1	2.700 m	69	-3	-10	69		
Lateral 2	2.818 m	54	-1	-3	54		
Lateral 3	2.700 m	63	-4	-11	63		
Lateral 4	2.818 m	61	-6	-14	61		
Chiusure verticali 2	10.87 m ²	51	-2	-7	51	≥ 42	+ 9 ✓
Z01_S06_W02	10.87 m ²	51	-2	-7	51		
Direct 1 (Z01_S06_W02)	10.87 m ²	63	-3	-10	63		
Lateral 1	2.700 m	63	-3	-10	63		
Lateral 2	4.025 m	53	-1	-4	53		
Lateral 3	2.700 m	63	-4	-11	63		
Lateral 4	0.462 m	70	-4	-11	70		
Lateral 5	2.063 m	63	-3	-11	63		
Lateral 6	1.200 m	66	-4	-11	66		

1.6. Ufficio 5

Tipo Abitato (uffici e assimilabili)

Volume 45.53 m³

Isolamento dal rumore aereo esterno	Area/Lunghezza	DnT,w (dB)	C (dB)	Ctr (dB)	D2m,nT,w (dB)	Imposto (dB)	Verifica
Chiusure verticali 1	9.35 m ²	52	-1	-7	52	≥ 42	+ 10 ✓
Z01_S08_W01	9.35 m ²	52	-1	-7	52		
Direct 1 (Z01_S08_W01)	9.35 m ²	66	-3	-10	66		



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Lateral 1	2.051 m	57	-1	-4	57			
Lateral 2	1.075 m	60	-1	-5	60			
Lateral 3	2.854 m	65	-3	-10	65			
Lateral 4	2.854 m	64	-3	-10	64			
Lateral 5	3.275 m	61	-4	-11	61			
Chiusure verticali 2	13.90 m ²	41	-1	-5	41	³ 42	- 1	✗
Z01_S08_W02	13.90 m ²	41	-1	-5	41			
Direct 1 (Z01_S08_W02)	9.49 m ²	65	-2	-9	65			
Opening 1 (Z01_S08_W02_G1)	2.25 m ²	46	-1	-5	46			
Opening 2 (Z01_S08_W02_G1)	1.500 m	53	-2	-6	53			
Opening 3 (Z01_S08_W02_G2)	2.16 m ²	44	-2	-5	44			
Lateral 1	4.078 m	56	-1	-5	56			
Lateral 2	0.643 m	64	-1	-5	64			
Lateral 3	2.854 m	64	-3	-10	64			
Lateral 4	2.854 m	65	-3	-10	65			
Lateral 5	4.870 m	59	-4	-11	59			
Coperture	15.95 m ²	51	-4	-11	51	≥ 42	+ 9	✓
Z01_S08_F05	15.95 m ²	51	-4	-11	51			
Direct 1 (Z01_S08_F05)	15.95 m ²	58	-4	-11	58			
Lateral 1	3.275 m	61	-4	-11	61			
Lateral 2	2.069 m	60	-4	-11	60			
Lateral 3	4.870 m	59	-4	-11	59			
Lateral 4	2.801 m	59	-5	-12	59			
Lateral 5	3.275 m	58	-4	-11	58			

1.7. Sala riunioni primo piano

Tipo Abitato (uffici e assimilabili)

Volume 67.46 m³

Isolamento dal rumore aereo esterno	Area/Lunghezza	DnT,w (dB)	C (dB)	Ctr (dB)	D2m,nT,w (dB)	Imposto (dB)		Verifica
Chiusure verticali 1	11.09 m ²	48	-2	-6	48	≥ 42	+ 6	✓
Z01_S09_W01	11.09 m ²	48	-2	-6	48			
Direct 1 (Z01_S09_W01)	9.74 m ²	67	-3	-10	67			
Opening 1 (Z01_S09_W01_G1)	1.35 m ²	50	-2	-5	50			
Opening 2 (Z01_S09_W01_G1)	1.500 m	55	-2	-6	55			
Lateral 1	0.462 m	65	-1	-4	65			
Lateral 2	3.275 m	56	-1	-4	56			
Lateral 3	2.854 m	68	-3	-10	68			
Lateral 4	2.854 m	66	-3	-11	66			
Lateral 5	3.887 m	62	-4	-11	62			
Chiusure verticali 2	17.36 m ²	43	-2	-5	43	≥ 42	+ 1	✓
Z01_S09_W02	17.36 m ²	43	-2	-5	43			
Direct 1 (Z01_S09_W02)	12.95 m ²	66	-3	-10	66			
Opening 1 (Z01_S09_W02_G1)	2.25 m ²	48	-2	-5	48			
Opening 2 (Z01_S09_W02_G1)	1.500 m	55	-2	-6	55			
Opening 3 (Z01_S09_W02_G2)	2.16 m ²	46	-2	-5	46			
Lateral 1	2.854 m	66	-3	-9	66			
Lateral 2	2.105 m	61	-1	-5	61			
Lateral 3	3.825 m	58	-1	-5	58			
Lateral 4	2.854 m	66	-3	-11	66			
Lateral 5	6.080 m	60	-4	-11	60			
Coperture	23.63 m ²	52	-4	-11	52	≥ 42	+ 10	✓
Z01_S09_F05	23.63 m ²	52	-4	-11	52			
Direct 1 (Z01_S09_F05)	23.63 m ²	58	-4	-11	58			
Lateral 1	3.275 m	60	-5	-12	60			



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Lateral 2	0.462 m	68	-4	-11	68
Lateral 3	3.113 m	60	-5	-12	60
Lateral 4	6.080 m	60	-4	-11	60
Lateral 5	2.818 m	61	-4	-11	61
Lateral 6	3.887 m	62	-4	-11	62

1.8. Ufficio 6

Tipo Abitato (uffici e assimilabili)

Volume 42.91 m³

Isolamento dal rumore aereo esterno	Area/Lunghezza	DnT,w (dB)	C (dB)	Ctr (dB)	D2m,nT,w (dB)	Imposto (dB)	Verifica
Chiusure verticali 1	5.86 m ²	55	-2	-8	55	≥ 42 + 13	✓
Z01_S11_W01	5.86 m ²	55	-2	-8	55		
Direct 1 (Z01_S11_W01)	5.86 m ²	67	-3	-9	67		
Lateral 1	2.003 m	59	-1	-5	59		
Lateral 2	2.854 m	64	-3	-11	64		
Lateral 3	2.854 m	65	-1	-6	65		
Lateral 4	2.053 m	63	-4	-12	63		
Chiusure verticali 2	14.41 m ²	44	-2	-6	44	≥ 42 + 2	✓
Z01_S11_W02	14.41 m ²	44	-2	-6	44		
Direct 1 (Z01_S11_W02)	12.16 m ²	64	-3	-10	64		
Opening 1 (Z01_S11_W02_G1)	2.25 m ²	46	-2	-5	46		
Opening 2 (Z01_S11_W02_G1)	1.500 m	53	-2	-6	53		
Lateral 1	0.450 m	65	-1	-4	65		
Lateral 2	4.300 m	51	-2	-7	51		
Lateral 3	2.854 m	64	-3	-11	64		
Lateral 4	2.854 m	64	-3	-11	64		
Lateral 5	5.050 m	59	-4	-11	59		
Chiusure verticali 3	8.28 m ²	52	-2	-7	52	≥ 42 + 10	✓
Z01_S11_W03	8.28 m ²	52	-2	-7	52		
Direct 1 (Z01_S11_W03)	8.28 m ²	66	-3	-10	66		
Lateral 1	2.854 m	66	-3	-9	66		
Lateral 2	1.200 m	59	-1	-4	59		
Lateral 3	1.400 m	55	-1	-6	55		
Lateral 4	2.854 m	64	-3	-11	64		
Lateral 5	2.900 m	61	-4	-11	61		
Coperture	15.03 m ²	52	-4	-11	52	≥ 42 + 10	✓
Z01_S11_F05	15.03 m ²	52	-4	-11	52		
Direct 1 (Z01_S11_F05)	15.03 m ²	58	-4	-11	58		
Lateral 1	0.455 m	66	-4	-11	66		
Lateral 2	2.818 m	60	-4	-11	60		
Lateral 3	2.053 m	63	-4	-12	63		
Lateral 4	1.483 m	61	-4	-11	61		
Lateral 5	5.050 m	59	-4	-11	59		
Lateral 6	2.900 m	61	-4	-11	61		
Lateral 7	0.350 m	76	-2	-8	76		
Lateral 8	1.102 m	71	-2	-8	71		