

Transmission Lost Calculation								
	Hz	125	250	500	1000	2000	4000	Area
1-3/4" Steel Door	TL	23	28	36	41	39	44	42
8" CMU (painted)	TL	38	38	45	50	52	55	991
Composite Wall	TL <sub>ov</sub>	32	dBA					1033

Noise Reduction Calculation								
	Hz	125	250	500	1000	2000	4000	Area
8" CMU (painted)	$\alpha$	0.1	0.05	0.06	0.07	0.09	0.08	954
	A	95	48	57	67	86	76	429
8" Conc. Floor Slab	$\alpha$	0.01	0.01	0.01	0.02	0.02	0.02	681
	A	7	7	7	14	14	14	61
Openings	$\alpha$	1.0	1.0	1.0	1.0	1.0	1.0	180
	A	180	180	180	180	180	180	1078
Composite Wall	NR	34	dBA					1569
L2		47	dBA					