

Table 1. Annual Energy Usage Intensity (kBtu/ft²).

NUMBER OF STORIES : 5						
Balcony geometry	Wall R-value	WWR	Glass U-0.55		Glass U-0.35	
			no TB	with TB	no TB	with TB
Single balconies	R-0	40%	137	136	133	132
		100%	135	134	126	125
	R-20	40%	123	122	121	120
		100%	N/A	N/A	N/A	N/A
Continuous balconies	R-0	40%	139	135	135	131
		100%	137	134	128	125
	R-20	40%	125	123	123	121
		100%	N/A	N/A	N/A	N/A
NUMBER OF STORIES : 20						
Balcony geometry	Wall R-value	WWR	Glass U-0.55		Glass U-0.35	
			no TB	with TB	no TB	with TB
Single balconies	R-0	40%	132	130	128	126
		100%	129	127	119	118
	R-20	40%	116	115	114	113
		100%	N/A	N/A	N/A	N/A
Continuous balconies	R-0	40%	134	130	130	125
		100%	132	128	121	119
	R-20	40%	118	116	116	113
		100%	N/A	N/A	N/A	N/A

Table 2. Annual energy consumption reduction with balcony thermal breaks (%).

NUMBER OF STORIES : 5				
Balcony geometry	Wall R-value	WWR	Glass U-0.55	Glass U-0.35
			with TB	with TB
Single balconies	R-0	40%	1.2%	0.9%
		100%	0.9%	0.9%
	R-20	40%	0.5%	0.6%
		100%	N/A	N/A
Continuous balconies	R-0	40%	2.7%	2.7%
		100%	2.6%	2.1%
	R-20	40%	1.8%	1.6%
		100%	N/A	N/A
NUMBER OF STORIES : 20				
Balcony geometry	Wall R-value	WWR	Glass U-0.55	Glass U-0.35
			with TB	with TB
Single balconies	R-0	40%	1.6%	1.3%
		100%	1.1%	1.1%
	R-20	40%	0.8%	0.7%
		100%	N/A	N/A
Continuous balconies	R-0	40%	3.3%	3.2%
		100%	3.6%	2.2%
	R-20	40%	1.7%	2.0%
		100%	N/A	N/A

Table 3. Annual energy cost savings with balcony thermal breaks (\$).

NUMBER OF STORIES : 5				
Balcony geometry	Wall R-value	WWR	Glass U-0.55	Glass U-0.35
			with TB	with TB
Single balconies	R-0	40%	\$552	\$367
		100%	\$344	\$282
	R-20	40%	\$45	\$109
		100%	N/A	N/A
Continuous balconies	R-0	40%	\$1,126	\$1,110
		100%	\$1,074	\$646
	R-20	40%	\$409	\$252
		100%	N/A	N/A
NUMBER OF STORIES : 20				
Balcony geometry	Wall R-value	WWR	Glass U-0.55	Glass U-0.35
			with TB	with TB
Single balconies	R-0	40%	\$2,966	\$2,067
		100%	\$1,548	\$1,329
	R-20	40%	\$636	\$407
		100%	N/A	N/A
Continuous balconies	R-0	40%	\$5,662	\$5,332
		100%	\$6,250	\$2,309
	R-20	40%	\$1,189	\$1,659
		100%	N/A	N/A