

## Building Envelope Trade-Off Schedules and Loads

Building Area Type	Schedule Index	Misc. Loads (W/ft <sup>2</sup> )	Ventilation rate (cfm/ft <sup>2</sup> )	Occupant Density (ft <sup>2</sup> /Person)	Occupant Heat Gain (Btu/h-person)	
					Sensible	Latent
Automotive facility	J	1	0.25	143	375	625
Convention center	H	0.25	0.31	20	250	200
Courthouse	A	0.25	0.41	14	250	200
Dining: bar lounge/leisure	B	6	0.93	10	275	275
Dining: cafeteria/fast food	B	6	0.93	10	275	275
Dining: family	B	6	0.71	14	275	275
Dormitory	D	0.6	0.11	100	250	200
Exercise center	H	0.5	0.26	100	710	1090
Fire station	E	1.5	0.21	33	250	200
Gymnasium	I	0.5	0.3	33	710	1090
Health-care clinic	E	2	0.47	200	250	200
Hospital	E	2	0.47	200	250	200
Hotel	F	1.11	0.08	250	250	200
Library	C	1.5	0.11	100	250	200
Manufacturing facility	J	1	0.25	143	580	870
Motel	F	1.11	0.08	250	250	200
Motion picture theater	H	0.54	1.19	7	225	105
Multifamily	D	0.62	0.06	380	250	200
Museum	C	1.5	0.36	25	250	200
Office	A	0.75	0.09	200	250	200
Parking garage	K	0	0	0	250	200
Penitentiary	F	0.5	0.25	40	250	200
Performing arts theater	H	0.5	0.76	14	225	105
Police station	E	1.5	0.21	33	250	200
Post office	A	1	0.21	33	250	200
Religious building	H	0.96	0.66	8	245	155
Retail	C	0.3	0.23	67	250	200
School/university	G	1.39	0.47	40	250	200
Sports arena	H	1	0.3	0	245	105
Town hall	A	1	0.09	200	250	200
Transportation	E	0.5	0.81	10	225	105
Warehouse	L	0.24	0.06	0	275	475
Workshop	J	1	0.25	143	635	965





### Schedule C

	1am	2am	3am	4am	5am	6am	7am	8am	9am	10am	11am	12am	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12pm
<b>Occupants</b>																								
Mon – Fri	Mon – Fri	0	0	0	0	0	0	0	0.1	0.2	0.5	0.5	0.7	0.7	0.7	0.7	0.8	0.7	0.5	0.5	0.3	0.3	0	0
Sat	Sat	0	0	0	0	0	0	0	0.1	0.2	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.2	0.2	0.2	0.1	0
Sun	Sun	0	0	0	0	0	0	0	0	0	0.1	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.2	0.1	0	0	0	0
<b>Lighting</b>																								
Mon – Fri	Mon – Fri	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.2	0.05
Sat	Sat	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.3	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.5	0.3	0.3	0.1	0.05
Sun	Sun	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.4	0.2	0.05	0.05	0.05	0.05
<b>Plug Loads</b>																								
Mon – Fri	Mon – Fri	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.2	0.2
Sat	Sat	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.3	0.5	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.5	0.5	0.3	0.15
Sun	Sun	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.3	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.6	0.4	0.15	0.15	0.15	0.15
<b>Infiltration</b>																								
Mon – Fri	Mon – Fri	1	1	1	1	1	1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1	1
Sat	Sat	1	1	1	1	1	1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1
Sun	Sun	1	1	1	1	1	1	1	1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1	1	1	1
<b>Cooling Set Point</b>																								
Mon – Fri	Mon – Fri	85	85	85	85	85	85	80	75	75	75	75	75	75	75	75	75	75	75	75	75	75	85	85
Sat	Sat	85	85	85	85	85	85	80	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	85
Sun	Sun	85	85	85	85	85	85	85	85	80	75	75	75	75	75	75	75	75	75	75	85	85	85	85
<b>Heating Set Point</b>																								
Mon – Fri	Mon – Fri	60	60	60	60	60	60	65	70	70	70	70	70	70	70	70	70	70	70	70	70	70	60	60
Sat	Sat	60	60	60	60	60	60	65	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	60
Sun	Sun	60	60	60	60	60	60	60	60	65	70	70	70	70	70	70	70	70	70	70	60	60	60	60



















