

**6.01.10 – APPENDIX: SUPPLEMENTAL MATERIAL FOR SECTION 4.02
DESIGN AND CONSTRUCTION STANDARD**

This document contains information which will help to standardize the life cycle evaluation process. Use of the values and schedules contained within this document will allow the University to compare the results of analysis for multiple projects to determine best practice trends.

Note: The University reserves the right to modify these operational schedules and values on a case by case basis. Obtain verification from the UT Project Manager that these schedules will be acceptable prior to commencement of analysis.

Classroom Buildings

Hour	Occupancy		Lighting		Miscellaneous Loads	
	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
1	0%	0%	0%	0%	0%	0%
2	0%	0%	0%	0%	0%	0%
3	0%	0%	0%	0%	0%	0%
4	0%	0%	0%	0%	0%	0%
5	0%	0%	0%	0%	0%	0%
6	0%	0%	0%	0%	0%	0%
7	50%	0%	10%	0%	50%	0%
8	50%	0%	50%	0%	50%	0%
9	100%	0%	100%	0%	100%	0%
10	100%	0%	100%	0%	100%	0%
11	100%	0%	100%	0%	100%	0%
12	100%	0%	100%	0%	100%	0%
13	30%	0%	30%	0%	30%	0%
14	100%	0%	100%	0%	100%	0%
15	100%	0%	100%	0%	100%	0%
16	100%	0%	100%	0%	100%	0%
17	100%	0%	50%	0%	100%	0%
18	50%	0%	10%	0%	50%	0%
19	0%	0%	0%	0%	0%	0%
20	0%	0%	0%	0%	0%	0%
21	0%	0%	0%	0%	0%	0%
22	0%	0%	0%	0%	0%	0%
23	0%	0%	0%	0%	0%	0%
24	0%	0%	0%	0%	0%	0%

Miscellaneous Loads:0.5 watts per square foot

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Occupant Density (Small Class):15 square foot per person
 Occupant Density (Lecture Hall):6 square foot per person
 Space Sensible Heat Gain from Occupants: ..250 btu per hour
 Space Latent Heat Gain from Occupants:200 btu per hour

Dormitories

Hour	Occupancy		Lighting		Miscellaneous Loads	
	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
1	90%	90%	0%	0%	20%	20%
2	90%	90%	0%	0%	20%	20%
3	90%	90%	0%	0%	20%	20%
4	90%	90%	0%	0%	20%	20%
5	90%	90%	0%	0%	20%	20%
6	90%	90%	0%	0%	20%	20%
7	90%	90%	20%	20%	20%	20%
8	50%	90%	50%	50%	80%	80%
9	50%	50%	50%	50%	80%	80%
10	30%	50%	0%	0%	40%	40%
11	30%	50%	0%	0%	40%	40%
12	30%	50%	0%	0%	40%	40%
13	30%	50%	0%	0%	40%	40%
14	30%	50%	0%	0%	40%	40%
15	30%	50%	0%	0%	40%	40%
16	30%	50%	0%	0%	40%	40%
17	30%	50%	0%	0%	30%	30%
18	50%	50%	0%	0%	30%	30%
19	90%	90%	0%	0%	90%	90%
20	90%	90%	90%	90%	90%	90%
21	90%	90%	90%	90%	60%	60%
22	90%	90%	90%	90%	50%	50%
23	90%	90%	70%	70%	50%	50%
24	90%	90%	30%	30%	30%	30%

Miscellaneous Loads:2.5 watts per square foot
 Occupant Density:100 square foot per person
 Space Sensible Heat Gain from Occupants: ..250 btu per hour
 Space Latent Heat Gain from Occupants:200 btu per hour

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DESIGN AND CONSTRUCTION STANDARD**

Laboratories

Hour	Occupancy		Lighting		Miscellaneous Loads	
	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
1	0%	0%	0%	0%	100%	100%
2	0%	0%	0%	0%	100%	100%
3	0%	0%	0%	0%	100%	100%
4	0%	0%	0%	0%	100%	100%
5	0%	0%	0%	0%	100%	100%
6	0%	0%	0%	0%	100%	100%
7	0%	0%	10%	0%	100%	100%
8	30%	0%	50%	0%	100%	100%
9	50%	0%	50%	0%	100%	100%
10	100%	0%	100%	0%	100%	100%
11	100%	0%	100%	0%	100%	100%
12	100%	0%	100%	0%	100%	100%
13	100%	0%	100%	0%	100%	100%
14	100%	0%	100%	0%	100%	100%
15	100%	0%	100%	0%	100%	100%
16	100%	0%	100%	0%	100%	100%
17	100%	0%	100%	0%	100%	100%
18	50%	0%	50%	0%	100%	100%
19	50%	0%	50%	0%	100%	100%
20	50%	0%	50%	0%	100%	100%
21	30%	0%	50%	0%	100%	100%
22	0%	0%	10%	0%	100%	100%
23	0%	0%	0%	0%	100%	100%
24	0%	0%	0%	0%	100%	100%

Miscellaneous Loads:5.0 watts per square foot
 Occupant Density:.....40 square foot per person
 Space Sensible Heat Gain from Occupants: ..250 btu per hour
 Space Latent Heat Gain from Occupants:.....200 btu per hour

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DESIGN AND CONSTRUCTION STANDARD**

Office Buildings

Hour	Occupancy		Lighting		Miscellaneous Loads	
	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
1	0%	0%	0%	0%	5%	5%
2	0%	0%	0%	0%	5%	5%
3	0%	0%	0%	0%	5%	5%
4	0%	0%	0%	0%	5%	5%
5	0%	0%	0%	0%	5%	5%
6	0%	0%	0%	0%	5%	5%
7	0%	0%	10%	0%	5%	5%
8	30%	0%	50%	0%	80%	5%
9	100%	0%	100%	0%	90%	5%
10	100%	0%	100%	0%	90%	5%
11	100%	0%	100%	0%	95%	5%
12	100%	0%	100%	0%	95%	5%
13	100%	0%	100%	0%	80%	5%
14	100%	0%	100%	0%	80%	5%
15	100%	0%	100%	0%	90%	5%
16	100%	0%	100%	0%	90%	5%
17	100%	0%	100%	0%	95%	5%
18	30%	0%	50%	0%	80%	5%
19	1%	0%	10%	0%	70%	5%
20	0%	0%	0%	0%	60%	5%
21	0%	0%	0%	0%	40%	5%
22	0%	0%	0%	0%	30%	5%
23	0%	0%	0%	0%	20%	5%
24	0%	0%	0%	0%	20%	5%

Miscellaneous Loads:1.5 watts per square foot
 Occupant Density:.....110 square foot per person
 Space Sensible Heat Gain from Occupants: ..245 btu per hour
 Space Latent Heat Gain from Occupants:.....155 btu per hour

END OF STANDARD