

Lampiran 1. Tabel Nilai U Berdasarkan jenis dinding

TABLE 6.3 WALL CONSTRUCTION GROUP DESCRIPTION

Group No.	Description of Construction	Weight (lb/ft ²)	U-Value (BTU/h•ft ² •°F)
4-in. Face brick + (brick)			
C	Air space + 4-in. face brick	83	0.358
D	4-in. common brick	90	0.415
C	1-in. insulation or air space + 4-in. common brick	90	0.174–0.301
B	2-in. insulation + 4-in. common brick	88	0.111
B	8-in. common brick	130	0.302
A	Insulation or air space + 8-in. common brick	130	0.154–0.243

Lampiran 2. Tabel Nilai CLTD Berdasarkan arah mata angin pada dinding yang terpapar matahari

TABLE 6.2 COOLING LOAD TEMPERATURE DIFFERENCES (CLTD) FOR CALCULATING COOLING LOAD FROM SUNLIT WALLS, F

		Solar Time, h																								Hr of Maxi- Mini- Maxi- Differ- mum mum mum ence			
		0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	CLTD	CLTD	CLTD	CLTD
North Latitude Wall Facing		Group A Walls																											
N	14	14	14	13	13	13	12	12	11	11	10	10	10	10	10	11	11	12	12	13	13	14	14	2	10	14	4		
NE	19	19	19	18	17	17	16	15	15	15	15	15	16	16	17	18	18	18	19	19	20	20	20	20	22	15	20	5	
E	24	24	23	23	22	21	20	19	19	18	19	19	20	21	22	23	24	24	25	25	25	25	25	25	22	18	25	7	
SE	24	23	23	22	21	20	20	19	18	18	18	18	18	19	20	21	22	23	23	24	24	24	24	24	22	18	24	6	
S	20	20	19	19	18	18	17	16	16	15	14	14	14	14	15	16	17	18	19	19	20	20	20	20	22	14	20	6	
SW	25	25	25	24	24	23	22	21	20	19	19	18	17	17	17	18	19	20	22	23	24	25	25	24	17	25	8		
W	27	27	26	26	25	24	24	23	22	21	20	19	19	18	18	18	19	20	22	23	25	26	26	1	18	27	9		
NW	21	21	21	20	20	19	19	18	17	16	16	15	15	14	14	14	15	15	16	17	18	19	20	21	1	14	21	7	
		Group B Walls																											
N	15	14	14	13	12	11	11	10	9	9	9	8	9	9	9	10	11	12	13	14	14	15	15	15	24	8	15	7	
NE	19	18	17	16	15	14	13	12	12	13	14	15	16	17	18	19	19	20	20	21	21	21	20	20	21	12	21	9	
E	23	22	21	20	18	17	16	15	15	15	17	19	21	22	24	25	26	26	27	27	26	26	25	24	20	15	27	12	
SE	23	22	21	20	18	17	16	15	14	14	15	16	18	20	21	23	24	25	26	26	26	26	25	24	21	14	26	12	
S	21	20	19	18	17	15	14	13	12	11	11	11	11	12	14	15	17	19	20	21	22	22	22	21	23	11	22	11	
SW	27	26	25	24	22	21	19	18	16	15	14	14	13	13	14	15	17	20	22	25	27	28	28	28	24	13	28	15	
W	29	28	27	26	24	23	21	19	18	17	16	15	14	14	14	15	17	19	22	25	27	29	29	30	24	14	30	16	
NW	23	22	21	20	19	18	17	15	14	13	12	12	12	11	12	12	13	15	17	19	21	22	23	23	24	11	23	9	
		Group C Walls																											
N	15	14	13	12	11	10	9	8	8	7	7	8	8	9	10	12	13	14	15	16	17	17	17	16	22	7	17	10	
NE	19	17	16	14	13	11	10	10	11	13	15	17	19	20	21	22	22	23	23	23	23	22	21	20	20	10	23	13	
E	22	21	19	17	15	14	12	12	14	16	19	22	25	27	29	29	30	30	30	29	28	27	26	24	18	12	30	18	
SE	22	21	19	17	15	14	12	12	12	13	16	19	22	24	26	28	29	29	29	29	28	27	26	24	19	12	29	17	
S	21	19	18	16	15	13	12	10	9	9	9	10	11	14	17	20	22	24	25	26	25	25	24	22	20	9	26	17	
SW	29	27	25	22	20	18	16	15	13	12	11	11	11	13	15	18	22	26	29	32	33	33	32	31	22	11	33	22	
W	31	29	27	25	22	20	18	16	14	13	12	12	12	13	14	16	20	24	29	32	35	35	35	33	22	12	35	23	
NW	25	23	21	20	18	16	14	13	11	10	10	10	10	11	12	13	15	18	22	25	27	27	27	26	22	10	27	17	
		Group D Walls																											
N	15	13	12	10	9	7	6	6	6	6	6	7	8	10	12	13	15	17	18	19	19	19	18	16	21	6	19	13	
NE	17	15	13	11	10	8	7	8	10	14	17	20	22	23	23	24	24	25	25	24	23	22	20	18	19	7	25	18	
E	19	17	15	13	11	9	8	9	12	17	22	27	30	32	33	33	32	32	31	30	28	26	24	22	16	8	33	25	
SE	20	17	15	13	11	10	8	8	10	13	17	22	26	29	31	32	32	32	31	30	28	26	24	22	17	8	32	24	
S	19	17	15	13	11	9	8	7	6	6	7	9	12	16	20	24	27	29	29	29	27	26	24	22	19	6	29	23	
SW	28	25	22	19	16	14	12	10	9	8	8	8	10	12	16	21	27	32	36	38	38	37	34	31	21	8	38	30	
W	31	27	24	21	18	15	13	11	10	9	9	9	10	11	14	18	24	30	36	40	41	40	38	34	21	9	41	32	
NW	25	22	19	17	14	12	10	9	8	7	7	8	9	10	12	14	18	22	27	31	32	32	30	27	22	7	32	25	

Lampiran 3. Tabel Nilai *Latitude Month* untuk perhitungan CLTDc

TABLE 6.4 CLTD CORRECTION FOR LATITUDE AND MONTH APPLIED TO WALLS AND ROOFS, NORTH LATITUDES, °F

Lat.	Month	N	NNE NNW	NE NW	ENE WNW	E W	ESE WSW	SE SW	SSE SSW	S	HOR
0	Dec	-3	-5	-5	-5	-2	0	3	6	9	-1
	Jan/Nov	-3	-5	-4	-4	-1	0	2	4	7	-1
	Feb/Oct	-3	-2	-2	-2	-1	-1	0	-1	0	0
	Mar/Sept	-3	0	1	-1	-1	-3	-3	-5	-8	0
	Apr/Aug	5	4	3	0	-2	-5	-6	-8	-8	-2
	May/Jul	10	7	5	0	-3	-7	-8	-9	-8	-4
	Jun	12	9	5	0	-3	-7	-9	-10	-8	-5
8	Dec	-4	-6	-6	-6	-3	0	4	8	12	-5
	Jan/Nov	-3	-5	-6	-5	-2	0	3	6	10	-4
	Feb/Oct	-3	-4	-3	-3	-1	-1	1	2	4	-1
	Mar/Sept	-3	-2	-1	-1	-1	-2	-2	-3	-4	0
	Apr/Aug	2	2	2	0	-1	-4	-5	-7	-7	-1
	May/Jul	7	5	4	0	-2	-5	-7	-9	-7	-2
	Jun	9	6	4	0	-2	-6	-8	-9	-7	-2

Lampiran 4. Tabel Nilai *SHGF*

Table 3.25 Maximum Solar Heat Gain Factor, Btu/(hr · ft²) for Sunlit Glass, North Latitudes

0 Deg											
N	NNE/ NNW	NE/ NW	ENE/ WNW	E/ W	ESE/ WSW	SE/ SW	SSE/ SSW	S	HOR		
Jan.	34	34	88	177	234	254	235	182	118	296	
Feb.	36	39	132	205	245	247	210	141	67	306	
Mar.	38	87	170	223	242	223	170	87	38	303	
Apr.	71	134	193	224	221	184	118	38	37	284	
May	113	164	203	218	201	154	80	37	37	265	
June	129	173	206	212	191	140	66	37	37	255	
July	115	164	201	213	195	149	77	38	38	260	
Aug.	75	134	187	216	212	175	112	39	38	276	
Sep.	40	84	163	213	231	213	163	84	40	293	
Oct.	37	40	129	199	236	238	202	135	66	299	
Nov.	35	35	88	175	230	250	230	179	117	293	
Dec.	34	34	71	164	226	253	240	196	138	288	

16 Deg											
N	NNE/ NNW	NE/ NW	ENE/ WNW	E/ W	ESE/ WSW	SE/ SW	SSE/ SSW	S	HOR		
Jan.	30	30	55	147	210	244	251	223	199	248	
Feb.	33	33	96	180	231	247	233	188	154	275	
Mar.	35	53	140	205	239	235	197	138	93	291	
Apr.	39	99	172	216	227	204	150	77	45	289	
May	52	132	189	218	215	179	115	45	41	282	
June	66	142	194	217	207	167	99	41	41	277	
July	55	132	187	214	210	174	111	44	42	277	
Aug.	41	100	168	209	219	196	143	74	46	282	
Sep.	36	50	134	196	227	224	191	134	93	282	
Oct.	33	33	95	174	223	237	225	183	150	270	
Nov.	30	30	55	145	206	241	247	220	196	246	
Dec.	29	29	41	132	198	241	254	233	212	234	

4 Deg											
N	NNE/ NNW	NE/ NW	ENE/ WNW	E/ W	ESE/ WSW	SE/ SW	SSE/ SSW	S	HOR		
Jan.	33	33	79	170	229	252	237	193	141	286	
Feb.	35	35	123	199	242	248	215	152	88	301	
Mar.	38	77	163	219	242	227	177	96	43	302	
Apr.	55	125	189	223	223	190	126	43	38	287	
May	93	154	200	220	206	161	89	38	38	272	
June	110	164	202	215	196	147	73	38	38	263	
July	96	154	197	215	200	156	85	39	38	267	
Aug.	59	124	184	215	214	181	120	42	40	279	
Sep.	39	75	156	209	231	216	170	93	44	293	
Oct.	36	36	120	193	234	239	207	148	86	294	
Nov.	34	34	79	168	226	248	232	190	139	284	
Dec.	33	33	62	157	221	250	242	206	160	277	

20 Deg											
N	NNE/ NNW	NE/ NW	ENE/ WNW	E/ W	ESE/ WSW	SE/ SW	SSE/ SSW	S	HOR		
Jan.	29	29	48	138	201	243	253	233	214	232	
Feb.	31	31	88	173	226	244	238	201	174	263	
Mar.	34	49	132	200	237	236	206	152	115	284	
Apr.	38	92	166	213	228	208	158	91	58	287	
May	47	123	184	217	217	184	124	54	42	283	
June	59	135	189	216	210	173	108	45	42	279	
July	48	124	182	213	212	179	119	53	43	278	
Aug.	40	91	162	206	220	200	152	88	57	280	
Sep.	36	46	127	191	225	225	199	148	114	275	
Oct.	32	32	87	167	217	236	231	196	170	258	
Nov.	29	29	48	136	197	239	249	229	211	230	
Dec.	27	27	35	122	187	238	254	241	226	217	

8 Deg											
N	NNE/ NNW	NE/ NW	ENE/ WNW	E/ W	ESE/ WSW	SE/ SW	SSE/ SSW	S	HOR		
Jan.	32	32	71	163	224	250	242	203	162	275	
Feb.	34	34	114	193	239	248	219	165	110	294	
Mar.	37	67	156	215	241	230	184	110	55	300	
Apr.	44	117	184	221	225	195	134	53	39	289	
May	74	146	198	220	209	167	97	39	38	277	
June	90	155	200	217	200	141	82	39	39	269	
July	77	145	195	215	204	162	93	40	39	272	
Aug.	47	117	179	214	216	186	128	51	41	282	
Sep.	38	66	149	205	230	219	176	107	56	290	
Oct.	35	35	112	187	231	239	211	160	108	288	
Nov.	33	33	71	161	220	245	233	200	160	273	
Dec.	31	31	55	149	215	246	247	215	179	265	

24 Deg											
N	NNE/ NNW	NE/ NW	ENE/ WNW	E/ W	ESE/ WSW	SE/ SW	SSE/ SSW	S	HOR		
Jan.	27	27	41	128	190	240	253	241	227	214	
Feb.	30	30	80	165	220	244	243	213	192	249	
Mar.	34	45	124	195	234	237	214	168	137	275	
Apr.	37	88	159	209	228	212	169	107	75	283	
May	43	117	178	214	218	190	132	67	46	282	
June	55	127	184	214	212	179	117	55	43	279	
July	45	116	176	210	213	185	129	65	46	278	
Aug.	38	87	156	203	220	204	162	103	72	277	
Sep.	35	42	119	185	222	225	206	163	134	266	
Oct.	31	31	79	159	211	237	235	207	187	244	
Nov.	27	27	42	126	187	236	249	237	224	213	
Dec.	26	26	29	112	180	234	247	247	237	199	

Lampiran 5. Tabel Nilai SC

TABLE 6.7 SHADING COEFFICIENTS FOR GLASS WITHOUT OR WITH INTERIOR SHADING DEVICES

Type of Glazing	Nominal Thickness, in (Each light)	Without Shading	With Interior Shading				
			Venetian Blinds		Roller Shades		
			Medium	Light	Opaque		Translucent
					Dark	Light	Light
Single glass							
Clear	¼	0.94	0.74	0.67	0.81	0.39	0.44
Heat absorbing	¼	0.69	0.57	0.53	0.45	0.30	0.36
Double glass							
Clear	¼	0.81	0.62	0.58	0.71	0.35	0.40
Heat absorbing	¼	0.55	0.39	0.36	0.40	0.22	0.30

Lampiran 6. Nilai CLF untuk Kaca

Table 3.27 Cooling Load Factors for Glass without Interior Shading, North Latitudes

Fenes- tration Facing	Room Con- struction	Solar Time, hr.																							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
N (Shaded)	L	0.17	0.14	0.11	0.09	0.08	0.33	0.42	0.48	0.56	0.63	0.71	0.76	0.80	0.82	0.82	0.79	0.79	0.84	0.61	0.48	0.38	0.31	0.25	0.20
	M	0.23	0.20	0.18	0.16	0.14	0.34	0.41	0.46	0.53	0.59	0.65	0.70	0.74	0.75	0.76	0.74	0.75	0.79	0.61	0.50	0.42	0.36	0.31	0.27
	H	0.25	0.23	0.21	0.20	0.19	0.38	0.45	0.49	0.55	0.60	0.65	0.69	0.72	0.72	0.72	0.70	0.70	0.75	0.57	0.46	0.39	0.34	0.31	0.28
NNE	L	0.06	0.05	0.04	0.03	0.03	0.26	0.43	0.47	0.44	0.41	0.40	0.39	0.39	0.38	0.36	0.33	0.30	0.26	0.20	0.16	0.13	0.10	0.08	0.07
	M	0.09	0.08	0.07	0.06	0.06	0.24	0.38	0.42	0.39	0.37	0.37	0.36	0.36	0.36	0.34	0.33	0.30	0.27	0.22	0.18	0.16	0.14	0.12	0.10
	H	0.11	0.10	0.09	0.09	0.08	0.26	0.39	0.42	0.39	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.28	0.25	0.21	0.18	0.16	0.14	0.13	0.12
NE	L	0.04	0.04	0.03	0.02	0.02	0.23	0.41	0.51	0.51	0.45	0.39	0.36	0.33	0.31	0.28	0.26	0.23	0.19	0.15	0.12	0.10	0.08	0.06	0.05
	M	0.07	0.06	0.06	0.05	0.04	0.21	0.36	0.44	0.45	0.40	0.36	0.33	0.31	0.30	0.28	0.26	0.24	0.21	0.17	0.15	0.13	0.11	0.09	0.08
	H	0.09	0.08	0.08	0.07	0.07	0.23	0.37	0.44	0.44	0.39	0.34	0.31	0.29	0.27	0.26	0.24	0.22	0.20	0.17	0.14	0.13	0.12	0.11	0.10
ENE	L	0.04	0.03	0.03	0.02	0.02	0.21	0.40	0.52	0.57	0.53	0.45	0.39	0.34	0.31	0.28	0.25	0.22	0.18	0.14	0.12	0.09	0.08	0.06	0.05
	M	0.07	0.06	0.05	0.05	0.04	0.20	0.35	0.45	0.49	0.47	0.41	0.36	0.33	0.30	0.28	0.26	0.23	0.20	0.17	0.14	0.12	0.11	0.09	0.08
	H	0.09	0.09	0.08	0.07	0.07	0.22	0.36	0.46	0.49	0.45	0.38	0.33	0.30	0.27	0.25	0.23	0.21	0.19	0.16	0.14	0.13	0.12	0.11	0.10
E	L	0.04	0.03	0.03	0.02	0.02	0.19	0.37	0.51	0.57	0.57	0.50	0.42	0.37	0.32	0.29	0.25	0.22	0.19	0.15	0.12	0.10	0.08	0.06	0.05
	M	0.07	0.06	0.06	0.05	0.05	0.18	0.33	0.44	0.50	0.51	0.46	0.39	0.35	0.31	0.29	0.26	0.23	0.21	0.17	0.15	0.13	0.11	0.10	0.08
	H	0.09	0.09	0.08	0.08	0.07	0.20	0.34	0.45	0.49	0.49	0.43	0.36	0.32	0.29	0.26	0.24	0.22	0.19	0.17	0.15	0.13	0.12	0.11	0.10
W	L	0.12	0.10	0.08	0.06	0.05	0.06	0.07	0.08	0.10	0.11	0.12	0.14	0.20	0.32	0.45	0.57	0.64	0.61	0.44	0.34	0.27	0.22	0.18	0.14
	M	0.15	0.13	0.11	0.10	0.09	0.09	0.09	0.10	0.11	0.12	0.13	0.14	0.19	0.29	0.40	0.50	0.56	0.55	0.41	0.33	0.27	0.23	0.20	0.17
	H	0.14	0.13	0.12	0.11	0.10	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.21	0.30	0.40	0.49	0.54	0.52	0.38	0.30	0.24	0.21	0.18	0.16

Lampiran 7. Nilai Ballas Factor dan CLF untuk Pencahayaan

The factor BF accounts for heat losses in the ballast in fluorescent lamps, or other special losses. A typical value of BF is 1.25 for fluorescent lighting. For incandescent lighting, there is no extra loss, and BF = 1.0.

For these reasons, the CLF tables for lighting are not presented here. For those cases where they are applicable, they may be found in the ASHRAE *Fundamentals Volume*. Otherwise use a value of CLF = 1.0.

Lampiran 8. Tabel nilai Qsensibel dan Qlaten untuk Manusia

TABLE 6.13 RATES OF HEAT GAIN FROM OCCUPANTS OF CONDITIONED SPACES

Degree of Activity		Total Heat Adults		Sensible Heat, Btu/h	Latent Heat, Btu/h
		Adult Male	Adjusted M/F ^a		
Seated at theater	Theater—matinee	390	330	225	105
Seated at theater, night	Theater—night	390	350	245	105
Seated, very light work	Offices, hotels, apartments	450	400	245	155
Moderately active office work	Offices, hotels, apartments	475	450	250	200

Lampiran 9. Tabel nilai U untuk atap

Roof No	Description of Construction	Weight, lb/ft ²	U-value, BTU/h·ft ² ·°F
1	Steel sheet with 1-in. (or 2-in.) insulation	9 (10)	0.134 (0.092)
2	1-in. wood with 1-in. ins.	10	0.115
3	4-in. lightweight concrete	20	0.134
4	2-in. heavyweight concrete with 1-in. insulation	30	0.131
5	1-in. wood with 2-in. ins.	10	0.083
6	6-in. lightweight concrete	26	0.109
7	2.5-in. wood with 1-in. insulation	15	0.096
8	8-in. lightweight concrete	33	0.093
9	4-in. heavyweight concrete with 1-in. (or 2-in.) ins.	53 (54)	0.128 (0.090)
10	2.5-in. wood with 2-in. ins.	15	0.072

Lampiran 10. Tabel nilai CLF untuk manusia

TABLE 6.14 SENSIBLE HEAT COOLING LOAD FACTORS FOR PEOPLE

Total hours in space	Hours After Each Entry Into Space																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2	0.49	0.58	0.17	0.13	0.10	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
4	0.49	0.59	0.66	0.71	0.27	0.21	0.16	0.14	0.11	0.10	0.08	0.07	0.06	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.01
6	0.50	0.60	0.67	0.72	0.76	0.79	0.34	0.26	0.21	0.18	0.15	0.13	0.11	0.10	0.08	0.07	0.06	0.06	0.05	0.04	0.04	0.03	0.03	0.03
8	0.51	0.61	0.67	0.72	0.76	0.80	0.82	0.84	0.38	0.30	0.25	0.21	0.18	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.03	0.04
10	0.53	0.62	0.69	0.74	0.77	0.80	0.83	0.85	0.87	0.89	0.42	0.34	0.28	0.23	0.20	0.17	0.15	0.13	0.11	0.10	0.09	0.08	0.07	0.06
12	0.55	0.64	0.70	0.75	0.79	0.81	0.84	0.86	0.88	0.89	0.91	0.92	0.45	0.36	0.30	0.25	0.21	0.19	0.16	0.14	0.12	0.11	0.09	0.08
14	0.58	0.66	0.72	0.77	0.80	0.83	0.85	0.87	0.89	0.90	0.91	0.92	0.93	0.94	0.47	0.38	0.31	0.26	0.23	0.20	0.17	0.15	0.13	0.11
16	0.62	0.70	0.75	0.79	0.82	0.85	0.87	0.88	0.90	0.91	0.92	0.93	0.94	0.95	0.95	0.96	0.49	0.39	0.33	0.28	0.24	0.20	0.18	0.16
18	0.66	0.74	0.79	0.82	0.85	0.87	0.89	0.90	0.92	0.93	0.94	0.94	0.95	0.96	0.96	0.97	0.97	0.97	0.50	0.40	0.33	0.28	0.24	0.21

CLF = 1.0 for systems shut down at night and for high occupant densities such as in theaters and auditoriums.

Lampiran 11. Tabel nilai Q laten dan Q sensibel untuk manusia

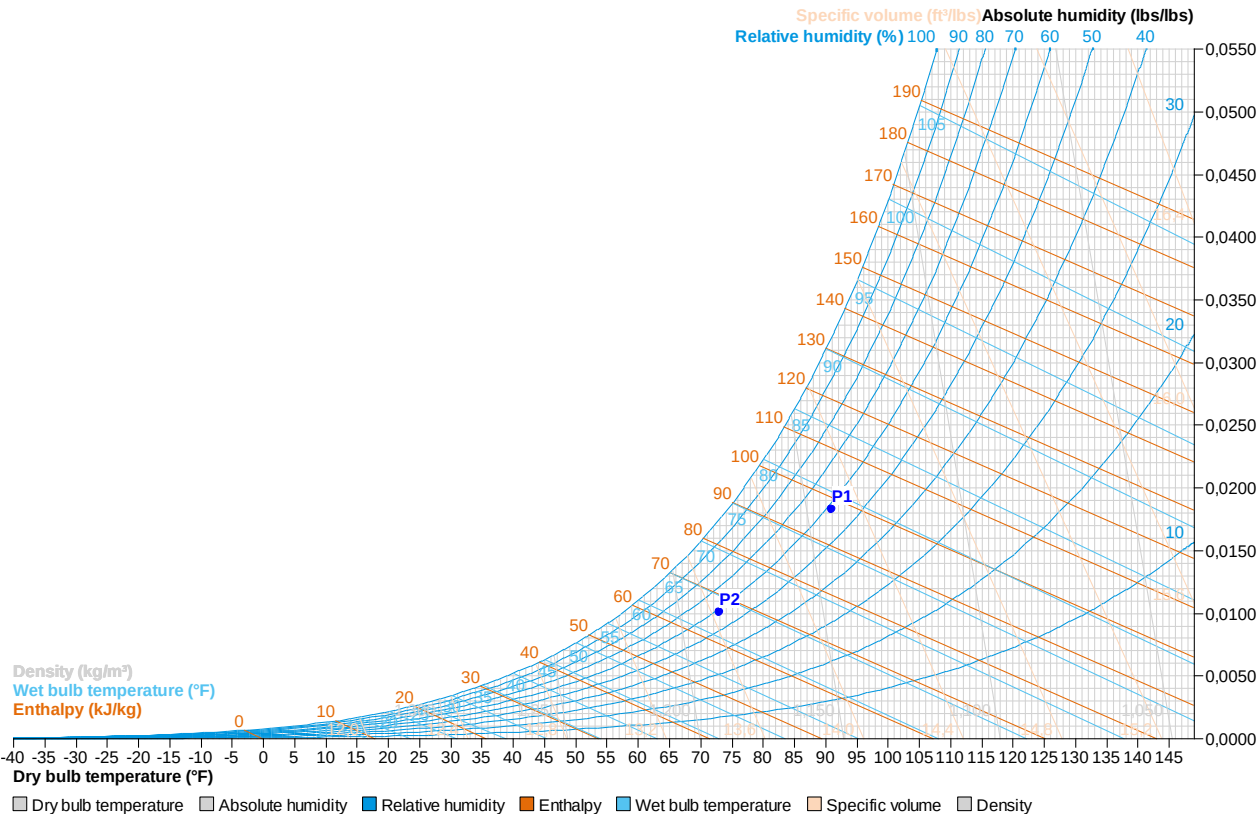
TABLE 6.13 RATES OF HEAT GAIN FROM OCCUPANTS OF CONDITIONED SPACES

Degree of Activity		Total Heat Adults		Sensible Heat, Btu/h	Latent Heat, Btu/h
		Adult Male	Adjusted M/F ^a		
Seated at theater	Theater—matinee	390	330	225	105
Seated at theater, night	Theater—night	390	350	245	105
Seated, very light work	Offices, hotels, apartments	450	400	245	155
Moderately active office work	Offices, hotels, apartments	475	450	250	200
Standing, light work; walking	Department store, retail store	550	450	250	200
Walking; standing	Drug store, bank	550	500	250	250
Sedentary work	Restaurant ^b	490	550	275	275
Light bench work	Factory	800	750	275	475
Moderate dancing	Dance hall	900	850	305	545
Walking 3 mph; light machine work	Factory	1000	1000	375	625
Bowling ^c	Bowling alley	1500	1450	580	870
Heavy work	Factory	1500	1450	580	870
Heavy machine work; lifting	Factory	1600	1600	635	965
Athletics	Gymnasium	2000	1800	710	1090

Lampiran 12. Tabel nilai Q untuk perhitungan CFM

	Estimated persons/ 1000 ft ² floor area. ^a	Minimum cfm	Required ventilation air, per human occupant Recommended cfm
INSTITUTIONAL			
Schools			
Classrooms	50	10	10-15
Multiple Use Rooms	70	10	10-15
Laboratories ^m	30	10	10-15
Craft and Vocational Training Shops ^m	30	10	10-15
Music, Rehearsal Rooms	70	10	15-20
Auditoriums	150	5	5-7.5
Gymnasiums	70	20	25-30
Libraries	20	7	10-12
Common Rooms, Lounges	70	10	10-15
Offices	10	7	10-15
Lavatories	100	15	20-25
Locker Rooms ^k	20	30 ^k	40-50 ^k
Lunchrooms, Dining Halls	100	10	15-20
Corridors	50	15	20-25
Utility Rooms	3	5	7-10
Dormitory Bedrooms	20	7	10-15

Lampiran 13. Grafik dan Tabel Psikometri untuk Menentukan nilai entalpi pada RH dan Temperatur yang dicari



1. Psychrometric points

P1		P2	
Dry bulb temperature	91,0°F	Dry bulb temperature	73,0°F
Wet bulb temperature	78,5°F	Wet bulb temperature	63,1°F
Dew point	74,2°F	Dew point	57,4°F
Relative humidity	58,0%	Relative humidity	58,0%
Absolute humidity	0,0182lbs/lbs	Absolute humidity	0,0100lbs/lbs
Enthalpy	97,5kJ/kg	Enthalpy	66,3kJ/kg
Density	1,141kg/m ³	Density	1,186kg/m ³
Specific volume	14,3ft ³ /lbs	Specific volume	13,6ft ³ /lbs
Pressure	101325,0Pa	Pressure	101325,0Pa
Airflow	126,0CFM	Airflow	126,0CFM

Lampiran 14. Nilai pada ROT

5.16 School Classrooms

A. Total Heat	225–275 sq.ft./ton	(Range 150–350)
B. Total Heat	43–53 Btuh/sq.ft.	(Range 35–80)
C. Room Sens. Heat	25–42 Btuh/sq.ft.	(Range 20–65)
D. SHR	0.65–0.80	
E. Air Change Rate	4–12 AC/hr.	