

TABLE 301.1 EXTERIOR DESIGN CONDITIONS

WINTER Design Dry Bulb: 44°F; HDD65: 185
 SUMMER Design Dry Bulb: 90°F; Mean Coincident Wet Bulb: 77°F; CDD65: 4045
 Annual Operating Hours, 8AM - 4PM when 55°F ≤ T ≤ 69°F: 259

TABLE 402.3.1(A) MAX. THERMAL TRANSMITTANCE (U)

Roof	0.075
Wall adjacent to unconditioned space	1.000
Floor over unconditioned space	0.400

TABLE 402.3.1(B) MAX. EXEMPT SKYLIGHT AREA AS % OF ROOF AREA

Visible Light Transmittance (VLT)	Light level Ft. Candles	Range of Lighting Power Densities		
		<1.00	1.00 - 1.50	1.51 - 2.00
0.75	30	2.3	3.1	3.9
	50	3.1	4.3	5.5
	70	4.3	5.5	6.7
0.50	30	3.6	4.8	6.0
	50	4.8	6.6	8.4
	70	6.6	8.4	10.2

TABLE 402.3.2 MINIMUM THERMAL RESISTANCE (R-VALUE)

Slab on grade: Unheated / Heated:
 Horizontal: 24 inches 36 inches 48 inches
 R-0/R-2 R-0/R-2 R-0/R-2 R-0/R-2 R-0/R-2
 Vertical: R-0/R-2 R-0/R-2 R-0/R-2 R-0/R-2 R-0/R-2
 Wall below grade: R-0

TABLE 402.4.1.1 MAX. WALL THERMAL TRANSMITTANCE (Uow)

ILD Range	WWR	HC Range	Insulation Position	
			Interior/Integral	Exterior
All	0 to 100	0.0 - 4.9	1.000	1.000
0.00 to 1.50	15	5.0 - 9.9	1.000	1.000
		10.0 - 14.9	1.000	1.000
		15.0 +	1.000	1.000
1.51 to 3.00	99	5.0 - 9.9	1.000	1.000
		10.0 - 14.9	1.000	1.000
		15.0 +	1.000	1.000
3.01 to 3.50	9	5.0 - 9.9	1.000	1.000
		10.0 - 14.9	1.000	1.000
		15.0 +	1.000	1.000
	93	5.0 - 9.9	1.000	1.000
		10.0 - 14.9	1.000	1.000
		15.0 +	1.000	1.000

TABLE 402.4.1.2 MAXIMUM WINDOW WALL RATIO (WWR)

Internal Load Density (ILD) Range	Projection Factor (PF) Range	Shading Coefficient (SCx) Range	Penetration U-Factor (Uof)		Perimeter Daylighting VLT ≥ SC
			Base Case		
			1.23 to 0.73	0.72 to 0.00	
0.00 - 1.50	0.00 - 0.25	1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.39 0.38 - 0.26 0.25 - 0.00	15	15	17
			19	18	21
			22	21	22
0.00 +	0.50 +	1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	22	21	26
			29	27	34
			36	34	43
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	46	42	56
			71	62	86
			31	30	37
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	37	35	36
			41	38	49
			53	48	64
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	62	57	86
			71	62	73
			12	12	20
	0.00 - 0.25	1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.39 0.38 - 0.26 0.25 - 0.00	16	15	26
			19	19	32
			24	23	41
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	34	32	62
			66	57	99
			18	18	31
1.51 - 3.00	0.26 - 0.50	1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.39 0.38 - 0.26 0.25 - 0.00	24	23	41
			28	28	52
			37	35	68
	0.50 +	1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	50	50	99
			25	24	45
			33	31	60
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	42	39	77
			56	50	99
			9	9	18
3.01 - 3.50	0.00 - 0.25	1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.39 0.38 - 0.26 0.25 - 0.00	12	12	23
			15	14	29
			18	17	37
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	26	24	57
			48	43	99
			14	13	28
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.39 0.38 - 0.00	18	17	37
			22	21	47
			28	26	63
	0.50 +	1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	42	38	92
			19	18	41
			25	24	55
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	31	29	71
			41	37	85
			41	37	41
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	45	45	92
			60	53	89
			77	67	70
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	99	82	89
			18	17	20
			22	22	26
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	23	22	31
			29	27	39
			34	34	55
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	57	49	93
			28	26	30
			34	34	38
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	47	42	67
			63	54	60
			92	77	85
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	41	37	41
			55	49	54
			71	62	67
		1.00 - 0.72 0.71 - 0.61 0.60 - 0.51 0.50 - 0.00	92	76	92
			41	37	41
			37	37	41