

1. Building information			
Location (see Table A.1): _____			
Terrain:	Open	DRWP (see Table A.1, Column A)	_____ Pa
	Rough	HWP (see Table A.1, Column B)	_____ Pa
Height	_____ m	Snow load (see Table A.1, Column C)	S_s _____ Pa
			S_r _____ Pa
Importance factor (see Clause 4.2.3) (I_w):	0.75	JDT (see Table A.1, Column D)	_____ °C
2. Summary — Required performance levels			
Note: Use the following Steps 3 to 10, as applicable, to complete the summary table.			
Windows, doors, and unit skylights for the location and application shall conform to the criteria as noted in summary table below:			
Airtightness level _____ (Step 3)	Design pressure — Negative _____ Pa (Step 8)		
Specified DRWP _____ Pa (Step 4)	Specified wind load — Negative _____ kPa (Step 8)		
Specified wind load — Positive _____ kPa (Step 5)	Condensation resistance _____ (Step 9)		
Specified snow load _____ Pa (Step 6)	Other _____ (Step 10)		
Design pressure — Positive _____ Pa (Step 7)			
3. Air infiltration/exfiltration			
(a) Choose the appropriate level of airtightness performance (for operable windows and unit skylights only) in accordance with Clause 5.3.2.2 and Table 9 of AAMA/WDMA/CSA 101/I.S.2/A440, as follows:			
<ul style="list-style-type: none"> • A2 — 1.5 L/(s•m²) or 0.5 L/(s•m²) for AW compression seal products • A3 — 0.5 L/(s•m²) • Fixed — 0.2 L/(s•m²) 			
(b) Insert the performance level in the summary table in Step 2.			
4. Water penetration resistance			
(a) Use Table 1 for open terrain or Table 2 for rough terrain.			
(b) Using the location DRWP (round up) and the height of the window, door, or unit skylight, determine the p_r value.			
(c) Insert the resultant specified DRWP in the summary table in Step 2.			
5. Positive pressure — Wind load			
(a) Use Table 3 for open terrain or Table 4 for rough terrain.			
(b) Using the HWP for the building location (round up) and the height of the window, door, or unit skylight, determine the p value.			
(c) Insert the resultant specified wind load in the summary table in Step 2.			
6. Positive pressure — Snow load			
(a) For unit skylights whose entire roof width does not exceed 4.3 m, multiply the ground snow load (S_s) by 0.45 and add the associated rain load (S_r); for all other roofs, multiply S_s by 0.55 and add the associated S_r .			
(b) Insert the resultant specified snow load in the summary table in Step 2. For windows and doors, enter zero.			

Figure A.1
Checklist for selecting performance levels for
windows, doors, and unit skylights

(See Clause A.4.4.)

Table A.1 (Continued)

Location	Column A	Column B	Column C		Column D
	Driving rain wind pressure (DRWP), Pa, 1/10	Hourly wind pressure (HWP), kPa, 1/50	Ground snow load, S_s	Associated rain load, S_r	January design temp. (JDT), °C, 2.5%
Greenwood	100	0.40	4.0	0.1	-20
Hope	200	0.63	2.8	0.7	-13
Jordan River	350	0.55	1.2	0.4	-1
Kamloops	120	0.40	1.8	0.2	-23
Kaslo	100	0.31	2.8	0.1	-17
Kelowna	100	0.40	1.7	0.1	-17
Kimberley	120	0.33	3.0	0.2	-25
Kitimat Plant	260	0.48	5.5	0.8	-16
Kitimat Townsite	260	0.48	6.5	0.8	-16
Ladysmith	240	0.40	2.4	0.4	-7
Langford	260	0.40	1.8	0.3	-4
Lillooet	120	0.44	2.1	0.1	-21
Lytton	100	0.43	2.8	0.3	-17
Mackenzie	80	0.32	5.1	0.2	-34
Masset	500	0.61	1.8	0.4	-5
McBride	80	0.35	4.3	0.2	-29
McLeod Lake	80	0.32	4.1	0.2	-35
Merritt	100	0.44	1.8	0.3	-24
Mission City	220	0.43	2.4	0.3	-9
Montrose	80	0.35	4.1	0.1	-16
Nakusp	80	0.33	4.4	0.1	-20
Nanaimo	240	0.50	2.3	0.4	-6
Nelson	80	0.33	4.2	0.1	-18
Ocean Falls	400	0.59	3.9	0.8	-10
Osoyoos	100	0.40	1.1	0.1	-14
Parksville	280	0.50	2.4	0.4	-6
Penticton	80	0.45	1.3	0.1	-15
Port Alberni	280	0.32	3.0	0.4	-5
Port Alice	280	0.32	1.1	0.4	-3
Port Hardy	280	0.52	0.9	0.4	-5
Port McNeill	280	0.52	1.1	0.4	-5
Port Renfrew	350	0.52	1.1	0.4	-3
Powell River	260	0.51	1.9	0.4	-7
Prince George	100	0.37	3.4	0.2	-32
Prince Rupert	280	0.54	1.9	0.4	-13

(Continued)

Table 4
Specified wind load (*p*) for windows, doors, and positive loads on unit skylights — Rough terrain
 (See Clauses 4.2.2 and A.4.2.2 and Figure A.1.)

Height, m	<i>p</i> , kPa																					
	1/50 Hourly wind pressure, kPa																					
10	0.39	0.49	0.59	0.69	0.79	0.89	0.98	1.08	1.18	1.28	1.38	1.48	1.58	1.67	1.77	1.87	1.97	2.07	2.17	2.26	2.36	2.46
15	0.42	0.53	0.63	0.74	0.84	0.95	1.05	1.16	1.26	1.37	1.47	1.58	1.68	1.79	1.89	2.00	2.11	2.21	2.32	2.42	2.53	2.63
20	0.46	0.57	0.69	0.80	0.92	1.03	1.15	1.26	1.38	1.49	1.61	1.72	1.84	1.95	2.07	2.18	2.29	2.41	2.52	2.64	2.75	2.87
25	0.49	0.61	0.74	0.86	0.98	1.10	1.23	1.35	1.47	1.59	1.72	1.84	1.96	2.09	2.21	2.33	2.45	2.58	2.70	2.82	2.94	3.07
30	0.52	0.65	0.78	0.91	1.04	1.17	1.30	1.43	1.55	1.68	1.81	1.94	2.07	2.20	2.33	2.46	2.59	2.72	2.85	2.98	3.11	3.24
35	0.54	0.68	0.81	0.95	1.09	1.22	1.36	1.49	1.63	1.76	1.90	2.04	2.17	2.31	2.44	2.58	2.71	2.85	2.99	3.12	3.26	3.39
40	0.57	0.71	0.85	0.99	1.13	1.27	1.41	1.55	1.70	1.84	1.98	2.12	2.26	2.40	2.54	2.68	2.83	2.97	3.11	3.25	3.39	3.53
45	0.59	0.73	0.88	1.02	1.17	1.32	1.46	1.61	1.76	1.90	2.05	2.20	2.34	2.49	2.63	2.78	2.93	3.07	3.22	3.37	3.51	3.66
50	0.60	0.76	0.91	1.06	1.21	1.36	1.51	1.66	1.81	1.96	2.11	2.27	2.42	2.57	2.72	2.87	3.02	3.17	3.32	3.47	3.63	3.78
55	0.62	0.78	0.93	1.09	1.24	1.40	1.55	1.71	1.87	2.02	2.18	2.33	2.49	2.64	2.80	2.95	3.11	3.26	3.42	3.57	3.73	3.89
60	0.64	0.80	0.96	1.12	1.28	1.44	1.60	1.75	1.91	2.07	2.23	2.39	2.55	2.71	2.87	3.03	3.19	3.35	3.51	3.67	3.83	3.99
65	0.65	0.82	0.98	1.14	1.31	1.47	1.63	1.80	1.96	2.12	2.29	2.45	2.61	2.78	2.94	3.10	3.27	3.43	3.60	3.76	3.92	4.09
70	0.67	0.84	1.00	1.17	1.34	1.50	1.67	1.84	2.01	2.17	2.34	2.51	2.67	2.84	3.01	3.17	3.34	3.51	3.68	3.84	4.01	4.18
75	0.68	0.85	1.02	1.19	1.36	1.54	1.71	1.88	2.05	2.22	2.39	2.56	2.73	2.90	3.07	3.24	3.41	3.58	3.75	3.92	4.09	4.26
80	0.70	0.87	1.04	1.22	1.39	1.57	1.74	1.91	2.09	2.26	2.43	2.61	2.78	2.96	3.13	3.30	3.48	3.65	3.83	4.00	4.17	4.35
85	0.71	0.89	1.06	1.24	1.42	1.59	1.77	1.95	2.13	2.30	2.48	2.66	2.83	3.01	3.19	3.37	3.54	3.72	3.90	4.07	4.25	4.43
90	0.72	0.90	1.08	1.26	1.44	1.62	1.80	1.98	2.16	2.34	2.52	2.70	2.88	3.06	3.24	3.42	3.60	3.78	3.96	4.14	4.32	4.50
95	0.73	0.92	1.10	1.28	1.46	1.65	1.83	2.01	2.20	2.38	2.56	2.75	2.93	3.11	3.30	3.48	3.66	3.85	4.03	4.21	4.39	4.58
100	0.74	0.93	1.12	1.30	1.49	1.67	1.86	2.05	2.23	2.42	2.60	2.79	2.98	3.16	3.35	3.53	3.72	3.91	4.09	4.28	4.46	4.65

Note: See the maximum design pressure limits in Table 3 of AAMA/WDMA/CSA 101/1.5.2/A440 and Table B.2 of this Supplement.

Table 3
Specified wind load (P) for windows, doors, and positive loads on unit skylights — Open terrain

(See Clauses 4.2.2 and A.4.2.2 and Figure A.1.)

Height, m	P , kPa																							
	1/50 Hourly wind pressure, kPa																							
10	0.56	0.70	0.84	0.98	1.13	1.27	1.41	1.55	1.69	1.83	1.97	2.11	2.25	2.39	2.53	2.67	2.81	2.95	3.09	3.23	3.38	3.52		
15	0.61	0.76	0.92	1.07	1.22	1.37	1.53	1.68	1.83	1.98	2.14	2.29	2.44	2.59	2.75	2.90	3.05	3.20	3.36	3.51	3.66	3.81		
20	0.65	0.81	0.97	1.13	1.29	1.45	1.62	1.78	1.94	2.10	2.26	2.42	2.58	2.75	2.91	3.07	3.23	3.39	3.55	3.72	3.88	4.04		
25	0.68	0.84	1.01	1.18	1.35	1.52	1.69	1.86	2.03	2.20	2.36	2.53	2.70	2.87	3.04	3.21	3.38	3.55	3.72	3.88	4.05	4.22		
30	0.70	0.88	1.05	1.23	1.40	1.58	1.75	1.93	2.10	2.28	2.45	2.63	2.80	2.98	3.15	3.33	3.50	3.68	3.85	4.03	4.20	4.38		
35	0.72	0.90	1.08	1.26	1.45	1.63	1.81	1.99	2.17	2.35	2.53	2.71	2.89	3.07	3.25	3.43	3.61	3.79	3.97	4.16	4.34	4.52		
40	0.74	0.93	1.11	1.30	1.48	1.67	1.86	2.04	2.23	2.41	2.60	2.78	2.97	3.15	3.34	3.53	3.71	3.90	4.08	4.27	4.45	4.64		
45	0.76	0.95	1.14	1.33	1.52	1.71	1.90	2.09	2.28	2.47	2.66	2.85	3.04	3.23	3.42	3.61	3.80	3.99	4.18	4.37	4.56	4.75		
50	0.78	0.97	1.16	1.36	1.55	1.75	1.94	2.13	2.33	2.52	2.72	2.91	3.10	3.30	3.49	3.69	3.88	4.07	4.27	4.46	4.66	4.85		
55	0.79	0.99	1.19	1.38	1.58	1.78	1.98	2.18	2.37	2.57	2.77	2.97	3.16	3.36	3.56	3.76	3.96	4.15	4.35	4.55	4.75	4.94		
60	0.80	1.01	1.21	1.41	1.61	1.81	2.01	2.21	2.41	2.62	2.82	3.02	3.22	3.42	3.62	3.82	4.02	4.23	4.43	4.63	4.83	5.03		
65	0.82	1.02	1.23	1.43	1.64	1.84	2.04	2.25	2.45	2.66	2.86	3.07	3.27	3.48	3.68	3.89	4.09	4.29	4.50	4.70	4.91	5.11		
70	0.83	1.04	1.25	1.45	1.66	1.87	2.08	2.28	2.49	2.70	2.91	3.11	3.32	3.53	3.74	3.94	4.15	4.36	4.57	4.77	4.98	5.19		
75	0.84	1.05	1.26	1.47	1.68	1.89	2.10	2.31	2.52	2.74	2.95	3.16	3.37	3.58	3.79	4.00	4.21	4.42	4.63	4.84	5.05	5.26		
80	0.85	1.07	1.28	1.49	1.71	1.92	2.13	2.34	2.56	2.77	2.98	3.20	3.41	3.62	3.84	4.05	4.26	4.48	4.69	4.90	5.12	5.33		
85	0.86	1.08	1.29	1.51	1.73	1.94	2.16	2.37	2.59	2.80	3.02	3.24	3.45	3.67	3.88	4.10	4.31	4.53	4.75	4.96	5.18	5.39		
90	0.87	1.09	1.31	1.53	1.75	1.96	2.18	2.40	2.62	2.84	3.06	3.27	3.49	3.71	3.93	4.15	4.36	4.58	4.80	5.02	5.24	5.46		
95	0.88	1.10	1.32	1.54	1.76	1.99	2.21	2.43	2.65	2.87	3.09	3.31	3.53	3.75	3.97	4.19	4.41	4.63	4.85	5.07	5.29	5.52		
100	0.89	1.11	1.34	1.56	1.78	2.01	2.23	2.45	2.67	2.90	3.12	3.34	3.57	3.79	4.01	4.23	4.46	4.68	4.90	5.13	5.35	5.57		

Note: See the maximum design pressure limits in Table 3 of AAMA/WDMA/CSA 101//S.2/A440 and Table B.2 of this Supplement.

Table 1
Specified DRWP (p_r) for open terrain
 (See Clauses 4.2.1 and A.4.2.1 and Figure A.1.)

Height, m	p_r , Pa																				
	1/10 DRWP, Pa																				
10	49	73	98	122	146	171	195	220	244	268	293	317	342	366	427	488	549	610	671	732	793
15	53	79	106	132	159	185	212	238	265	291	318	344	370	397	463	529	595	662	728	794	860
20	56	84	112	140	168	196	224	252	280	308	336	364	392	420	490	561	631	701	771	841	911
25	59	88	117	147	176	205	234	264	293	322	352	381	410	440	513	586	659	733	806	879	952
30	61	91	122	152	182	213	243	274	304	334	365	395	426	456	532	608	684	760	836	912	988
35	63	94	125	157	188	219	251	282	313	345	376	408	439	470	549	627	705	784	862	940	1019
40	64	97	129	161	193	225	258	290	322	354	386	419	451	483	563	644	724	805	885	966	1046
45	66	99	132	165	198	231	264	297	330	363	396	429	461	494	577	659	742	824	906	989	1071
50	67	101	135	168	202	236	269	303	337	370	404	438	471	505	589	673	757	842	926	1010	1094
55	69	103	137	172	206	240	275	309	343	377	412	446	480	515	600	686	772	858	944	1029	1115
60	70	105	140	175	209	244	279	314	349	384	419	454	489	524	611	698	786	873	960	1047	1135
65	71	106	142	177	213	248	284	319	355	390	426	461	497	532	621	710	798	887	976	1064	1153
70	72	108	144	180	216	252	288	324	360	396	432	468	504	540	630	720	810	900	990	1080	1170
75	73	110	146	183	219	256	292	329	365	402	438	475	511	548	639	730	821	913	1004	1095	1187
80	74	111	148	185	222	259	296	333	370	407	444	481	518	555	647	740	832	925	1017	1110	1202
85	75	112	150	187	225	262	299	337	374	412	449	487	524	562	655	749	842	936	1029	1123	1217
90	76	114	151	189	227	265	303	341	379	417	454	492	530	568	663	757	852	947	1041	1136	1231
95	77	115	153	191	230	268	306	344	383	421	459	498	536	574	670	766	861	957	1053	1148	1244
100	77	116	155	193	232	271	309	348	387	425	464	503	541	580	677	773	870	967	1063	1160	1257

Note: The maximum water penetration resistance test pressure specified in AAMA/WDMA/CSA 101/1.S.2/A440 is 730 Pa.

Table 2
Specified DRWP (p_r) for rough terrain
 (See Clauses 4.2.1 and A.4.2.1 and Figure A.1.)

Height, m	p_r , Pa																					
	1/10 DRWP, Pa																					
10	34	51	68	85	102	120	137	154	171	188	205	222	239	256	274	320	365	411	457	502	548	594
15	37	55	73	91	110	128	146	164	183	201	219	237	256	274	320	365	411	457	502	548	594	647
20	40	60	80	100	119	139	159	179	199	219	239	259	279	299	348	398	448	498	547	597	647	692
25	43	64	85	106	128	149	170	192	213	234	255	277	298	319	373	426	479	532	585	639	692	731
30	45	67	90	112	135	157	180	202	225	247	270	292	315	337	393	450	506	562	618	675	731	765
35	47	71	94	118	141	165	188	212	235	259	283	306	330	353	412	471	530	589	648	706	765	797
40	49	74	98	123	147	172	196	221	245	270	294	319	343	368	429	490	551	613	674	735	797	825
45	51	76	102	127	152	178	203	229	254	279	305	330	355	381	444	508	571	635	698	762	825	852
50	52	79	105	131	157	183	210	236	262	288	314	341	367	393	459	524	590	655	721	786	852	876
55	54	81	108	135	162	189	216	243	270	297	324	351	378	405	472	539	607	674	742	809	876	900
60	55	83	111	138	166	194	221	249	277	304	332	360	388	415	484	554	623	692	761	830	900	921
65	57	85	113	142	170	198	227	255	284	312	340	369	397	425	496	567	638	709	780	851	921	942
70	58	87	116	145	174	203	232	261	290	319	348	377	406	435	507	580	652	725	797	870	942	962
75	59	89	118	148	178	207	237	266	296	326	355	385	414	444	518	592	666	740	814	888	962	981
80	60	91	121	151	181	211	241	272	302	332	362	392	422	453	528	604	679	754	830	905	981	999
85	61	92	123	154	184	215	246	277	307	338	369	399	430	461	538	615	691	768	845	922	999	1016
90	63	94	125	156	188	219	250	281	313	344	375	406	438	469	547	625	703	782	860	938	1016	1033
95	64	95	127	159	191	222	254	286	318	349	381	413	445	477	556	635	715	794	874	953	1033	1049
100	65	97	129	161	194	226	258	290	323	355	387	419	452	484	565	645	726	807	887	968	1049	

Note: The maximum water penetration resistance test pressure specified in AAMA/WDMA/CSA 101/1.5.2/A440 is 730 Pa.