










LIMIT STATES DESIGN
CANADA












TALL WALL
SPECIFIER GUIDE
CLIMATIC DATA

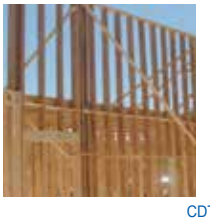









Boise Cascade
Engineered Wood Products



CDTWSG CANADA, March 2014

BRITISH COLUMBIA

City	Ss (kPa)	Sr (kPa)	Seismic Data	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
			$S_a(0.2)$		9.4.2.2 NBCC 2010	Open terrain	Rough terrain
100 Mile House	2.6	0.3		0.35	37	22	16
Abbotsford *	2.0	0.3	0.99	0.44	30	28	20
Agassiz	2.4	0.7		0.47	43	30	21
Alberni *	3.0	0.4	0.75	0.32	43	21	15
Ashcroft	1.7	0.1		0.38	22	24	17
Beatton River	3.3	0.1		0.30	40	19	14
Burns Lake	3.4	0.2		0.39	44	25	18
Cache Creek	1.7	0.2		0.39	24	25	18
Campbell River	3.3	0.4		0.52	47	33	23
Carmi	3.9	0.2		0.38	49	24	17
Castlegar	4.2	0.1		0.34	51	22	15
Chetwynd	2.4	0.2		0.40	32	26	18
Chilliwack *	2.2	0.3	0.76	0.47	32	30	21
Comox	2.6	0.4		0.52	39	33	23
Courtenay	2.6	0.4		0.52	39	33	23
Cranbrook	3.0	0.2		0.33	39	21	15
Crescent Valley	4.2	0.1		0.33	51	21	15
Crofton *	1.8	0.2	1.1	0.40	25	26	18
Dawson Creek	2.5	0.2		0.40	33	26	18
Dog Creek	1.8	0.2		0.35	25	22	16
Duncan *	1.8	0.4	1.1	0.39	30	25	18
Elko	3.6	0.2		0.40	46	26	18
Fernie	4.5	0.2		0.40	56	26	18
Fort Nelson	2.4	0.1		0.30	30	19	14
Fort St-John	2.8	0.1		0.39	35	25	18
Glacier	9.4	0.2		0.32	113	21	15
Golden	3.7	0.2		0.35	47	22	16
Grand Forks	2.8	0.1		0.40	35	26	18
Greenwood	4.0	0.1		0.40	49	26	18
Hope	2.8	0.7		0.63	47	40	28
Kamloops	1.8	0.2		0.40	25	26	18
Kaslo	2.8	0.1		0.31	35	20	14
Kelowna	1.7	0.1		0.40	22	26	18
Kimberley	3.0	0.2		0.33	39	21	15
Kitimat Townsite	6.5	0.8		0.48	92	31	22
Lillooet	2.1	0.1		0.44	27	28	20
Lython	2.8	0.3		0.43	39	27	19
Mackenzie	5.1	0.2		0.32	63	21	15
Masset	1.8	0.4		0.61	30	39	27
McBride	4.3	0.2		0.35	54	22	16
McLeod Lake	4.1	0.2		0.32	52	21	15
Merritt	1.8	0.3		0.44	27	28	20
Mission City *	2.4	0.3	0.93	0.43	34	27	19
Montrose	4.1	0.1		0.35	50	22	16
Nakusp	4.4	0.1		0.33	53	21	15
Nanaimo *	2.3	0.4	1	0.50	35	32	22
Nelson	4.2	0.1		0.33	51	21	15
Ocean Falls	3.9	0.8		0.59	62	37	26
Osoyoos	1.1	0.1		0.40	20	26	18
Penticton	1.3	0.1		0.45	20	29	20
Port Alberni *	3.0	0.4	0.76	0.32	43	21	15

City	Ss (kPa)	Sr (kPa)	Seismic Data	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
			$S_a(0.2)$		9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Port Hardy	0.9	0.4		0.52	20	33	23
Port McNeill	1.1	0.4		0.52	21	33	23
Powell River	1.9	0.4		0.51	31	32	23
Prince George	3.4	0.2		0.37	44	24	17
Prince Rupert	1.9	0.4		0.54	31	34	24
Princeton	2.9	0.6		0.36	46	23	16
Qualicum Beach *	2.2	0.4	0.82	0.52	34	33	23
Quesnel	3.0	0.1		0.31	37	20	14
Revelstoke	5.8	0.1		0.32	69	21	15
Salmon Arm	3.5	0.1		0.39	43	25	18
Sandspit	1.8	0.4		0.78	30	49	35
Sidney *	1.1	0.2	1.2	0.42	20	27	19
Smith River	2.8	0.1		0.30	35	19	14
Smithers	3.2	0.2		0.40	41	26	18
Squamish *	3.2	0.7	0.72	0.50	52	32	22
Stewart	7.9	0.8		0.36	108	23	16
Taylor	2.3	0.1		0.40	29	26	18
Terrace	5.4	0.6		0.36	75	23	16
Tofino *	1.1	0.4	1.2	0.68	21	43	30
Trail	4.1	0.1		0.35	50	22	16
Ucluelet *	1.0	0.4	1.2	0.68	20	43	30
Vernon	2.2	0.1		0.40	28	26	18
Victoria *	2.1	0.3	1.2	0.63	31	40	28
North Vancouver *	3.0	0.3	0.88	0.45	41	29	20
Vancouver Region - Burnaby *	2.9	0.7	0.93	0.47	48	30	21
Vancouver Region - Cloverdale *	2.5	0.2	1.1	0.44	33	28	20
Vancouver Region - Haney *	2.4	0.2	0.97	0.44	32	28	20
Vancouver Region - Ladner *	1.3	0.2	1.1	0.46	20	29	21
Vancouver Region - Langley *	2.4	0.2	1.1	0.44	32	28	20
Vancouver Region - New West-minster *	2.3	0.2	0.99	0.44	31	28	20
Vancouver Region - Richmond *	1.5	0.2	1	0.45	22	29	20
Vancouver Region - Surrey *	2.4	0.3	1	0.44	34	28	20
Vancouver City Hall *	1.8	0.2	0.94	0.45	25	29	20
West Vancouver *	2.4	0.2	0.88	0.48	32	31	22
White Rock*	2.0	0.2	1	0.44	28	28	20
Williams Lake	2.4	0.2		0.35	32	22	16
Youbou *	3.9	0.7	1	0.32	60	21	15

* Bracing to resist lateral loads due to earthquake should be provided (as per Part 4 of NBCC 2010 or accepted practices)

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Athabasca	1.5	0.1	0.36	20	23	16
Banff	3.6	0.1	0.32	44	21	15
Barrhead	1.7	0.1	0.44	22	28	20
Beaverlodge	2.4	0.1	0.36	30	23	16
Brooks	1.2	0.1	0.52	20	33	23
Calgary	1.1	0.1	0.48	20	31	22
Campsie	1.7	0.1	0.44	22	28	20
Camrose	2.0	0.1	0.39	26	25	18
Cardston	1.5	0.1	0.72	20	46	32
Claresholm	1.3	0.1	0.58	20	37	26
Cold Lake	1.7	0.1	0.38	22	24	17
Coleman	2.7	0.3	0.63	38	40	28
Coronation	2.2	0.1	0.37	28	24	17
Cowley *	1.6	0.1	1.10	21	69	49
Drumheller	1.2	0.1	0.44	20	28	20
Edmonton	1.7	0.1	0.45	22	29	20
Edson	2.1	0.1	0.46	27	29	21
Embarras Portage	1.9	0.1	0.37	24	24	17
Fairview	2.6	0.1	0.35	32	22	16
Fort MacLeod	1.2	0.1	0.68	20	43	30
Fort McMurray	1.4	0.1	0.35	20	22	16
Fort Saskatchewan	1.6	0.1	0.43	21	27	19
Fort Vermilion	2.1	0.1	0.30	27	19	14
Grande Prairie	2.2	0.1	0.43	28	27	19
Habay	2.4	0.1	0.30	30	19	14
Hardisty	1.7	0.1	0.36	22	23	16
High River	1.3	0.1	0.65	20	41	29
Hinton	2.9	0.1	0.46	36	29	21
Jasper	3.3	0.1	0.32	40	21	15
Keg River	2.4	0.1	0.30	30	19	14
Lac la Biche	1.6	0.1	0.36	21	23	16
Lacombe	2.1	0.1	0.40	27	26	18
Lethbridge	1.2	0.1	0.66	20	42	29
Manning	2.3	0.1	0.30	29	19	14
Medicine Hat	1.1	0.1	0.48	20	31	22
Peace River	2.2	0.1	0.32	28	21	15
Pincher Creek *	1.5	0.1	0.96	20	61	43
Ranfurly	1.9	0.1	0.36	24	23	16
Red Deer	2.0	0.1	0.40	26	26	18
Rocky Mountain House	1.9	0.1	0.36	24	23	16
Slave Lake	1.9	0.1	0.37	24	24	17
Stettler	2.2	0.1	0.36	28	23	16
Stony Plain	1.7	0.1	0.45	22	29	20
Suffield	1.3	0.1	0.49	20	31	22
Taber	1.2	0.1	0.63	20	40	28
Turner Valley	1.4	0.1	0.65	20	41	29
Valleyview	2.3	0.1	0.42	29	27	19
Vegreville	1.9	0.1	0.36	24	23	16
Vermilion	1.7	0.1	0.36	22	23	16
Wagner	1.9	0.1	0.37	24	24	17

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Wainwright	2.0	0.1	0.36	26	23	16
Wetaskiwin	2.0	0.1	0.39	26	25	18
Whitecourt	1.9	0.1	0.37	24	24	17
Wimborne	1.6	0.1	0.40	21	26	18

* Bracing to resist lateral loads due to wind should be provided (as per NBCC 2010 section 9.23.13)

SASKATCHEWAN

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Assiniboia	1.6	0.1	0.49	21	31	22
Battrum	1.2	0.1	0.54	20	34	24
Biggar	2.1	0.1	0.45	27	29	20
Broadview	1.7	0.1	0.46	22	29	21
Dafoe	1.7	0.1	0.37	22	24	17
Dundurn	1.5	0.1	0.46	20	29	21
Estevan	1.6	0.1	0.52	21	33	23
Hudson Bay	2.0	0.1	0.37	26	24	17
Humboldt	2.1	0.1	0.39	27	25	18
Island Falls	2.1	0.1	0.35	27	22	16
Kamsack	2.1	0.2	0.40	29	26	18
Kindersley	1.4	0.1	0.46	20	29	21
Lloydminster	2.0	0.1	0.40	26	26	18
Maple Creek	1.2	0.1	0.45	20	29	20
Meadow Lake	1.7	0.1	0.40	22	26	18
Melfort	2.1	0.1	0.36	27	23	16
Melville	1.7	0.1	0.40	22	26	18
Moose Jaw	1.4	0.1	0.52	20	33	23
Nipawin	2.0	0.1	0.38	26	24	17
North Battleford	1.7	0.1	0.46	22	29	21
Prince Albert	1.9	0.1	0.38	24	24	17
Qu'Appelle	1.7	0.1	0.42	22	27	19
Regina	1.4	0.1	0.49	20	31	22
Rosetown	1.7	0.1	0.49	22	31	22
Saskatoon	1.7	0.1	0.43	22	27	19
Scott	1.9	0.1	0.45	24	29	20
Strasbourg	1.5	0.1	0.42	20	27	19
Swift Current	1.4	0.1	0.54	20	34	24
Uranium City	2.0	0.1	0.36	26	23	16
Weyburn	1.4	0.1	0.48	20	31	22
Yorkton	1.7	0.1	0.40	22	26	18

MANITOBA

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Beausejour	1.9	0.2	0.41	27	26	18
Boissevain	2.2	0.2	0.52	30	33	23
Brandon	2.1	0.2	0.49	29	31	22
Churchill	2.8	0.2	0.55	37	35	25
Dauphin	1.9	0.2	0.40	27	26	18
Flin Flon	2.2	0.2	0.35	30	22	16
Gimli	1.9	0.2	0.40	27	26	18
Island Lake	2.6	0.2	0.35	35	22	16
Lac du Bonnet	1.9	0.2	0.37	27	24	17
Lynn Lake	2.4	0.2	0.37	32	24	17
Morden	2.2	0.2	0.52	30	33	23
Neepawa	2.2	0.2	0.44	30	28	20
Pine Falls	1.9	0.2	0.39	27	25	18
Portage la Prairie	2.1	0.2	0.46	29	29	21
Rivers	2.1	0.2	0.46	29	29	21
Sandilands	2.2	0.2	0.40	30	26	18
Selkirk	1.9	0.2	0.41	27	26	18
Split Lake	2.5	0.2	0.39	33	25	18
Steinbach	2.0	0.2	0.40	28	26	18
Swan River	2.0	0.2	0.35	28	22	16
The Pas	2.1	0.2	0.37	29	24	17
Thompson	2.4	0.2	0.36	32	23	16
Virden	2.0	0.2	0.46	28	29	21
Winnipeg	1.9	0.2	0.45	27	29	20

ONTARIO

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Ailsa Craig	2.2	0.4	0.5	34	32	22
Ajax	1.0	0.4	0.48	20	31	22
Alexandria	2.4	0.4	0.4	36	26	18
Alliston	2.0	0.4	0.36	32	23	16
Almonte	2.5	0.4	0.41	38	26	18
Armstrong	2.7	0.4	0.3	40	19	14
Arnprior	2.5	0.4	0.37	38	24	17
Atikokan	2.4	0.3	0.3	34	19	14
Aurora	2.0	0.4	0.44	32	28	20
Bancroft	3.1	0.4	0.32	44	21	15
Barrie	2.5	0.4	0.36	38	23	16
Barriefield	2.1	0.4	0.47	33	30	21
Beaverton	2.2	0.4	0.36	34	23	16
Belleville	1.7	0.4	0.43	28	27	19
Belmont	1.7	0.4	0.51	28	32	23
Big Trout Lake	3.2	0.2	0.42	41	27	19
Bracebridge	3.1	0.4	0.35	44	22	16
Bradford	2.1	0.4	0.36	33	23	16
Brampton	1.3	0.4	0.44	24	28	20

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Brantford	1.3	0.4	0.42	24	27	19
Brighton	1.6	0.4	0.48	27	31	22
Brockville	2.2	0.4	0.44	34	28	20
Burk's Falls	2.7	0.4	0.35	40	22	16
Burlington	0.9	0.4	0.46	20	29	21
Cambridge	1.6	0.4	0.36	27	23	16
Campbellford	1.7	0.4	0.41	28	26	18
Cannington	2.2	0.4	0.36	34	23	16
Carleton Place	2.5	0.4	0.41	38	26	18
Cavan	2.0	0.4	0.44	32	28	20
Centralia	2.3	0.4	0.49	35	31	22
Chapleau	4.0	0.4	0.3	55	19	14
Chatham	1.0	0.4	0.43	20	27	19
Chesley	2.8	0.4	0.48	41	31	22
Clinton	2.6	0.4	0.49	39	31	22
Coboconk	2.5	0.4	0.35	38	22	16
Cobourg	1.2	0.4	0.49	23	31	22
Cochrane	2.8	0.3	0.35	39	22	16
Colborne	1.6	0.4	0.49	27	31	22
Collingwood	2.7	0.4	0.39	40	25	18
Cornwall	2.2	0.4	0.41	34	26	18
Corunna	1.0	0.4	0.47	20	30	21
Deep River	2.5	0.4	0.35	38	22	16
Deseronto	1.9	0.4	0.43	31	27	19
Dorchester	1.9	0.4	0.47	31	30	21
Dorion	2.8	0.4	0.39	41	25	18
Dresden	1.0	0.4	0.43	20	27	19
Dryden	2.4	0.3	0.3	34	19	14
Dunnville	2.0	0.4	0.46	32	29	21
Durham	2.8	0.4	0.44	41	28	20
Dutton	1.3	0.4	0.47	24	30	21
Earlton	2.6	0.4	0.45	39	29	20
Edison	2.4	0.3	0.31	34	20	14
Elmvale	2.6	0.4	0.36	39	23	16
Embro	2.0	0.4	0.48	32	31	22
Englehart	2.5	0.4	0.41	38	26	18
Espanola	2.3	0.4	0.42	35	27	19
Exeter	2.4	0.4	0.49	36	31	22
Fenelon Falls	2.3	0.4	0.36	35	23	16
Fergus	2.2	0.4	0.36	34	23	16
Forest	2.0	0.4	0.48	32	31	22
Fort Erie	2.6	0.4	0.46	39	29	21
Fort Frances	2.3	0.3	0.31	33	20	14
Gananoque	2.1	0.4	0.47	33	30	21
Geraldton	2.9	0.4	0.3	42	19	14
Glencoe	1.5	0.4	0.43	26	27	19
Goderich	2.4	0.4	0.55	36	35	25
Gore Bay	2.6	0.4	0.44	39	28	20
Graham	2.6	0.3	0.3	37	19	14
Gravenhurst (Muskoka Airport)	2.7	0.4	0.36	40	23	16

ONTARIO - Continued

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Grimsby	0.9	0.4	0.46	20	29	21
Guelph	1.9	0.4	0.36	31	23	16
Guthrie	2.5	0.4	0.36	38	23	16
Haileybury	2.4	0.4	0.44	36	28	20
Haldimand	1.2	0.4	0.44	23	28	20
Haliburton	2.9	0.4	0.35	42	22	16
Halton Hills (Georgetown)	1.4	0.4	0.37	25	24	17
Hamilton	0.9	0.4	0.46	20	29	21
Hanover	2.6	0.4	0.48	39	31	22
Hastings	2.0	0.4	0.41	32	26	18
Hawkesbury	2.3	0.4	0.41	35	26	18
Hearst	2.8	0.3	0.28	39	18	13
Hey Harbour	2.7	0.4	0.39	40	25	18
Hornepayne	3.6	0.4	0.3	50	19	14
Huntsville	2.9	0.4	0.35	42	22	16
Ingersoll	1.7	0.4	0.48	28	31	22
Iroquois Falls	2.9	0.3	0.37	40	24	17
Jellicoe	2.7	0.4	0.3	40	19	14
Kapuskasing	2.8	0.3	0.31	39	20	14
Kemptville	2.3	0.4	0.41	35	26	18
Kenora	2.3	0.3	0.31	33	20	14
Killaloe	2.7	0.4	0.35	40	22	16
Kincardine	2.6	0.4	0.55	39	35	25
Kingston	2.1	0.4	0.47	33	30	21
Kinmount	2.7	0.4	0.35	40	22	16
Kirkland Lake	2.9	0.3	0.39	40	25	18
Kitchener	2.0	0.4	0.37	32	24	17
Lakefield	2.2	0.4	0.38	34	24	17
Lansdowne House	2.9	0.2	0.32	38	21	15
Leamington	0.8	0.4	0.47	20	30	21
Lindsay	2.3	0.4	0.38	35	24	17
Lion's Head	2.7	0.4	0.48	40	31	22
Listowel	2.6	0.4	0.47	39	30	21
London	1.9	0.4	0.47	31	30	21
Lucan	2.3	0.4	0.5	35	32	22
Maitland	2.2	0.4	0.44	34	28	20
Markdale	3.4	0.4	0.41	48	26	18
Markham	1.3	0.4	0.44	24	28	20
Martin	2.6	0.3	0.3	37	19	14
Matheson	2.8	0.3	0.39	39	25	18
Mattawa	2.1	0.4	0.32	33	21	15
Midland	2.7	0.4	0.39	40	25	18
Milton	1.3	0.4	0.43	24	27	19
Milverton	2.4	0.4	0.43	36	27	19
Minden	2.7	0.4	0.35	40	22	16
Mississauga	1.1	0.4	0.48	21	31	22
Mitchell	2.4	0.4	0.48	36	31	22
Moosonee	2.2	0.3	0.35	32	22	16
Morrisburg	2.3	0.4	0.41	35	26	18
Mount Forest	2.7	0.4	0.41	40	26	18

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Nakina	2.8	0.4	0.3	41	19	14
Nanticoke	1.4	0.4	0.48	25	31	22
Napanee	1.9	0.4	0.43	31	27	19
New Liskeard	2.3	0.4	0.43	35	27	19
Newcastle	1.5	0.4	0.48	26	31	22
Newmarket	2.0	0.4	0.38	32	24	17
Niagara Falls	2.0	0.4	0.43	32	27	19
North Bay	2.2	0.4	0.34	34	22	15
Norwood	2.1	0.4	0.41	33	26	18
Oakville	0.9	0.4	0.47	20	30	21
Orangeville	2.3	0.4	0.36	35	23	16
Orillia	2.4	0.4	0.36	36	23	16
Oshawa	1.4	0.4	0.48	25	31	22
Ottawa	2.4	0.4	0.41	36	26	18
Owen Sound	2.8	0.4	0.48	41	31	22
Pagwa River	2.4	0.4	0.3	36	19	14
Paris	1.4	0.4	0.42	25	27	19
Parkhill	2.1	0.4	0.5	33	32	22
Parry Sound	2.8	0.4	0.39	41	25	18
Pelham (Fonthill)	2.3	0.4	0.42	35	27	19
Pembroke	2.5	0.4	0.35	38	22	16
Penetanguishene	2.8	0.4	0.39	41	25	18
Perth	2.3	0.4	0.41	35	26	18
Petawawa	2.6	0.4	0.35	39	22	16
Peterborough	2.0	0.4	0.41	32	26	18
Petrolia	1.3	0.4	0.47	24	30	21
Pickering (Dunbarton)	1.0	0.4	0.48	20	31	22
Picton	2.0	0.4	0.49	32	31	22
Plattsville	1.9	0.4	0.42	31	27	19
Point Alexander	2.5	0.4	0.35	38	22	16
Prescott	2.2	0.4	0.44	34	28	20
Princeton	1.5	0.4	0.42	26	27	19
Raith	2.7	0.4	0.3	40	19	14
Rayside-Balfour (Chelmsford)	2.5	0.4	0.45	38	29	20
Red Lake	2.4	0.3	0.3	34	19	14
Renfrew	2.5	0.4	0.35	38	22	16
Richmond Hill	1.5	0.4	0.44	26	28	20
Rockland	2.4	0.4	0.4	36	26	18
Sarnia	1.1	0.4	0.47	21	30	21
Sault Ste. Marie	3.1	0.4	0.44	44	28	20
Schreiber	3.3	0.4	0.39	47	25	18
Seaforth	2.5	0.4	0.48	38	31	22
Simcoe	1.3	0.4	0.45	24	29	20
Sioux Lookout	2.4	0.3	0.3	34	19	14
Smiths Falls	2.3	0.4	0.41	35	26	18
Smithville	1.5	0.4	0.42	26	27	19
Smooth Rock Falls	2.7	0.3	0.32	38	21	15
South River	2.8	0.4	0.35	41	22	16
Southampt	2.7	0.4	0.53	40	34	24
St. Catharines	1.0	0.4	0.46	20	29	21

ONTARIO - Continued

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
St. Mary's	2.2	0.4	0.47	34	30	21
St. Thomas	1.4	0.4	0.47	25	30	21
Stirling	1.7	0.4	0.4	28	26	18
Stratford	2.3	0.4	0.45	35	29	20
Strathroy	1.9	0.4	0.47	31	30	21
Sturge Falls	2.2	0.4	0.35	34	22	16
Sudbury	2.5	0.4	0.46	38	29	21
Sundridge	2.8	0.4	0.35	41	22	16
Tavistock	2.1	0.4	0.45	33	29	20
Temagami	2.6	0.4	0.37	39	24	17
Thamesford	1.9	0.4	0.48	31	31	22
Thedford	2.1	0.4	0.5	33	32	22
Thunder Bay	2.9	0.4	0.39	42	25	18
Tillsburg	1.3	0.4	0.44	24	28	20
Timmins	3.1	0.3	0.35	42	22	16
Toronto	0.9	0.4	0.44	20	28	20
Trenton	1.6	0.4	0.47	27	30	21
Trout Creek	2.7	0.4	0.35	40	22	16
Uxbridge	2.4	0.4	0.42	36	27	19
Vaughan (Woodbridge)	1.1	0.4	0.44	21	28	20
Vittoria	1.3	0.4	0.47	24	30	21
Walkerton	2.7	0.4	0.5	40	32	22
Wallaceburg	0.9	0.4	0.45	20	29	20
Waterloo	2.0	0.4	0.37	32	24	17
Watford	1.9	0.4	0.47	31	30	21
Wawa	4.1	0.4	0.39	56	25	18
Welland	2.2	0.4	0.43	34	27	19
West Lorne	1.3	0.4	0.47	24	30	21
Whitby	1.2	0.4	0.48	23	31	22
Whitby (Brooklin)	1.9	0.4	0.45	31	29	20
White River	4.5	0.4	0.3	61	19	14
Wiarton	2.7	0.4	0.48	40	31	22
Windsor	0.8	0.4	0.47	20	30	21
Wingham	2.6	0.4	0.5	39	32	22
Woodstock	1.9	0.4	0.44	31	28	20
Wyoming	1.6	0.4	0.47	27	30	21

QUEBEC

City	Ss (kPa)	Sr (kPa)	Seismic Data	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
			$S_a(0.2)$		9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Acton-Vale	2.3	0.4		0.35	35	22	16
Alma	3.3	0.4		0.35	47	22	16
Amos	3.2	0.3		0.32	44	21	15
Aylmer,	2.5	0.4		0.41	38	26	18
Asbestos	2.8	0.6		0.35	45	22	16
Baie Comeau	4.3	0.4		0.50	58	32	22
Beauport	3.4	0.6		0.42	52	27	19
Bedford	2.1	0.4		0.41	33	26	18

City	Ss (kPa)	Sr (kPa)	Seismic Data	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
			$S_a(0.2)$		9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Beloeil	2.4	0.4		0.37	36	24	17
Brome	2.5	0.4		0.37	38	24	17
Brossard	2.4	0.4		0.42	36	27	19
Buckingham	2.6	0.4		0.40	39	26	18
Campbell's Bay	2.6	0.4		0.32	39	21	15
Chambly	2.3	0.4		0.40	35	26	18
Coaticook	2.3	0.6		0.35	39	22	16
Contrecoeur	2.8	0.4		0.43	41	27	19
Cowansville	2.3	0.4		0.41	35	26	18
Deux-Montagnes	2.4	0.4		0.37	36	24	17
Dolbeau	3.5	0.3		0.35	47	22	16
Drummondville	2.5	0.4		0.35	38	22	16
Farnham	2.2	0.4		0.37	34	24	17
Fort-Coulonge	2.5	0.4		0.32	38	21	15
Gagnon	4.6	0.4		0.39	62	25	18
Gaspé	4.3	0.6		0.48	62	31	22
Gatineau	2.5	0.4		0.41	38	26	18
Gracefield	2.6	0.4		0.32	39	21	15
Granby	2.3	0.4		0.35	35	22	16
Harrington-Harbour	4.9	0.6		0.72	69	46	32
Havre St-Pierre	4.1	0.6		0.63	60	40	28
Hemmingford	2.4	0.4		0.40	36	26	18
Iberville	2.2	0.4		0.41	34	26	18
Inukjuak	4.4	0.2		0.60	55	38	27
Joliette	3.1	0.4		0.36	44	23	16
Kuujjuaq	4.8	0.2		0.60	60	38	27
Kuujjuarapik	4.5	0.3		0.55	58	35	25
Lac Mégantic	3.2	0.6		0.35	50	22	16
Lachute	2.4	0.4		0.40	36	26	18
La-Tuque	3.4	0.4		0.35	48	22	16
Léry	2.3	0.4		0.42	35	27	19
Loretteville	3.7	0.6		0.41	56	26	18
Louiseville	2.9	0.4		0.43	42	27	19
Magog	2.3	0.4		0.35	35	22	16
Malartic	3.3	0.3		0.32	45	21	15
Maniwaki	2.4	0.4		0.31	36	20	14
Masson	2.4	0.4		0.40	36	26	18
Matane	3.7	0.4		0.60	51	38	27
Mont-Joli	4.0	0.4		0.52	55	33	23
Mont-Laurier	2.6	0.4		0.30	39	19	14
Montmagny *	2.9	0.6	0.73	0.47	46	30	21
Beaconsfield, Montréal	2.3	0.4		0.42	35	27	19
Dorval, Montréal	2.4	0.4		0.42	36	27	19
Laval, Montréal	2.6	0.4		0.42	39	27	19
Est, Montréal	2.7	0.4		0.42	40	27	19
Nitchequon	3.5	0.3		0.37	47	24	17
Noranda	3.2	0.3		0.35	44	22	16
Nord, Montréal	2.6	0.4		0.42	39	27	19
Outremont, Montréal	2.8	0.4		0.42	41	27	19
Percé	3.8	0.6		0.72	57	46	32

QUEBEC - Continued

City	Ss (kPa)	Sr (kPa)	Seismic Data	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
			$S_a(0.2)$		9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Pierrefonds, Montréal	2.4	0.4		0.42	36	27	19
Pincourt, Montréal	2.3	0.4		0.42	35	27	19
Plessisville	2.8	0.6		0.35	45	22	16
Port-Cartier	4.1	0.4		0.54	56	34	24
Povirnituq	4.5	0.2		0.60	56	38	27
Richmond	2.2	0.6		0.35	38	22	16
Rimouski	3.8	0.4		0.52	53	33	23
Rivière-du-Loup *	3.3	0.6	1	0.50	51	32	22
Roberval	3.5	0.3		0.35	47	22	16
Rock-Island	2.0	0.4		0.35	32	22	16
Rosemère, Montréal	2.6	0.4		0.40	39	26	18
Rouyn	3.1	0.3		0.35	42	22	16
Saguenay	3.1	0.4		0.35	44	22	16
Salaberry-de-Valleyfield, Montréal	2.3	0.4		0.42	35	27	19
Schefferville	4.5	0.3		0.42	58	27	19
Senneterre	3.3	0.3		0.32	45	21	15
Sept-Îles	4.1	0.4		0.54	56	34	24
Shawinigan	3.1	0.4		0.35	44	22	16
Shawville	2.8	0.4		0.35	41	22	16
Sherbrooke	2.2	0.6		0.32	38	21	15
Sillery, Québec	3.1	0.6		0.41	49	26	18
Sorel	2.8	0.4		0.43	41	27	19
Ste-Agathe-des-Monts	3.4	0.4		0.35	48	22	16
Ste-Foy, Québec	3.7	0.6		0.41	56	26	18
St-Félicien	3.5	0.3		0.35	47	22	16
St-Georges-de-Cacouna *	3.2	0.6	0.8	0.80	50	51	36
St-Hubert, Montréal	2.5	0.4		0.42	38	27	19
St-Hubert-de-Riviere-du-Loup	4.4	0.6		0.40	64	26	18
St-Hyacinthe	2.3	0.4		0.35	35	22	16
St-Jérome	2.7	0.4		0.37	40	24	17
St-Jovite	2.8	0.4		0.33	41	21	15
St-Nicolas	3.5	0.6		0.42	53	27	19
Sutton	2.4	0.4		0.41	36	26	18
Tadoussac	3.4	0.4		0.52	48	33	23
Témiscaming	2.5	0.4		0.32	38	21	15
Thetford Mines	3.3	0.6		0.35	51	22	16
Thurso	2.4	0.4		0.40	36	26	18
Trois-Rivières	2.8	0.4		0.43	41	27	19
Val-d'Or	3.4	0.3		0.32	46	21	15
Varennes	2.6	0.4		0.40	39	26	18
Verchères	2.7	0.4		0.43	40	27	19
Verdun, Montréal	2.5	0.4		0.42	38	27	19
Victoriaville	2.6	0.6		0.35	43	22	16
Ville-Centre, Montréal	2.6	0.4		0.42	39	27	19
Ville-Centre, Québec	3.6	0.6		0.41	54	26	18
Ville-Marie	2.3	0.4		0.40	35	26	18
Waterloo	2.5	0.4		0.35	38	22	16
Windsor	2.3	0.4		0.32	35	21	15

* Bracing to resist lateral loads due to earthquake should be provided (as per Part 4 of NBCC 2010 or accepted practices)

NEW BRUNSWICK

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Alma	2.3	0.6	0.48	39	31	22
Bathurst	3.5	0.6	0.48	53	31	22
Campbellton	3.6	0.4	0.45	50	29	20
Edmundston	3.4	0.6	0.38	52	24	17
Fredericton	3.1	0.6	0.38	49	24	17
Gagetown	2.8	0.6	0.40	45	26	18
Grand Falls	3.6	0.6	0.38	54	24	17
Moncton	3.0	0.6	0.50	47	32	22
Oromocto	3.0	0.6	0.39	47	25	18
Sackville	2.5	0.6	0.49	42	31	22
Saint Andrews	2.3	0.6	0.45	39	29	20
Saint George	2.3	0.6	0.45	39	29	20
Saint John	2.3	0.6	0.53	39	34	24
Shippagan	3.4	0.6	0.63	52	40	28
St-Stephen	2.5	0.6	0.42	42	27	19
Woodstock	3.1	0.6	0.37	49	24	17

NOVA SCOTIA

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Amherst	2.4	0.6	0.48	41	31	22
Antigonish	2.1	0.6	0.54	37	34	24
Bridgewater	1.9	0.6	0.55	35	35	25
Canso	1.7	0.6	0.61	33	39	27
Debert	2.1	0.6	0.48	37	31	22
Digby	2.2	0.6	0.55	38	35	25
Greenwood(CFB)	2.7	0.6	0.54	44	34	24
Halifax (Dartmouth)	1.6	0.6	0.58	31	37	26
Halifax (City Centre)	1.9	0.6	0.58	35	37	26
Kentville	2.4	0.6	0.54	41	34	24
Liverpool	1.7	0.6	0.61	33	39	27
Lockeport	1.4	0.6	0.60	29	38	27
Louisburg	2.1	0.7	0.65	39	41	29
Lunenburg	1.9	0.6	0.61	35	39	27
New Glasgow	2.2	0.6	0.55	38	35	25
North Sydney	2.4	0.6	0.59	41	37	26
Pictou	2.2	0.6	0.55	38	35	25
Port Hawkesbury	2.1	0.6	0.74	37	47	33
Springhill	3.1	0.6	0.48	49	31	22
Stewiacke	1.8	0.6	0.50	34	32	22
Sydney	2.3	0.6	0.59	39	37	26
Tatamagouche	2.2	0.6	0.55	38	35	25
Truro	2.0	0.6	0.48	36	31	22
Wolfville	2.4	0.6	0.54	41	34	24
Yarmouth	1.8	0.6	0.56	34	36	25

PRINCE EDWARD ISLAND

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Charlottetown	2.7	0.6	0.56	44	36	25
Souris	2.7	0.6	0.58	44	37	26
Summerside	3.1	0.6	0.60	49	38	27
Tignish	3.2	0.6	0.66	50	42	29

NEWFOUNDLAND

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Argentia	2.4	0.7	0.75	43	47	33
Bonavista	2.8	0.6	0.84	45	53	37
Buchans	4.7	0.6	0.60	67	38	27
Cape Harrison	6.3	0.4	0.60	81	38	27
Cape Race *	2.3	0.7	1.05	42	66	47
Channel-Port aux Basques	3.0	0.7	0.78	50	49	35
Corner Brook	3.7	0.6	0.55	56	35	25
Gander	3.7	0.6	0.60	56	38	27
Grand Bank	2.4	0.7	0.74	43	47	33
Grand Falls	3.4	0.6	0.60	52	38	27
Happy Valley-Goose Bay	5.3	0.4	0.42	70	27	19
Labrador City	4.3	0.3	0.40	56	26	18
St-Anthony *	5.1	0.6	0.87	72	55	39
St-John's	2.9	0.7	0.78	48	49	35
Stephenville	3.5	0.6	0.58	53	37	26
Twin Falls	4.6	0.4	0.40	62	26	18
Wabana	3.0	0.7	0.75	50	47	33
Wabush	4.3	0.3	0.40	56	26	18

* Bracing to resist lateral loads due to wind should be provided (as per NBCC 2010 section 9.23.13)

YUKON

City	Ss (kPa)	Sr (kPa)	Seismic Data	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
			$S_a(0.2)$		9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Aishihik	1.9	0.1		0.38	24	24	17
Dawson	2.7	0.1		0.31	34	20	14
Destruction Bay *	1.6	0.1	0.73	0.60	21	38	27
Haines Junction *	2.2	0.1	0.72	0.34	28	22	15
Snag	2.2	0.1		0.31	28	20	14
Teslin	2.9	0.1		0.34	36	22	15
Watson Lake	3.1	0.1		0.35	38	22	16
Whitehorse	1.8	0.1		0.38	23	24	17

* Bracing to resist lateral loads due to earthquake should be provided (as per Part 4 of NBCC 2010 or accepted practices)

NORTHWEST TERRITORIES

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Aklavik	2.3	0.1	0.48	29	31	22
Echo Bay/Port Radium	3.0	0.1	0.53	37	34	24
Fort Good Hope	2.9	0.1	0.44	36	28	20
Fort Providence	2.4	0.1	0.35	30	22	16
Fort Resolution	2.3	0.1	0.39	29	25	18
Fort Simpson	2.3	0.1	0.39	29	25	18
Fort Smith	2.3	0.2	0.39	31	25	18
Hay River	2.4	0.1	0.35	30	22	16
Holman *	2.1	0.1	0.86	27	54	38
Inuvik	2.3	0.1	0.48	29	31	22
Mould Bay	1.5	0.1	0.58	20	37	26
Norman Wells	2.7	0.1	0.51	34	32	23
Rae-Edzo	2.3	0.1	0.47	29	30	21
Tungsten	4.3	0.1	0.44	52	28	20
Yellowknife	2.2	0.1	0.47	28	30	21

* Bracing to resist lateral loads due to wind should be provided (as per NBCC 2010 section 9.23.13)

NUNAVUT

City	Ss (kPa)	Sr (kPa)	q1/50 (kPa)	Snow Load (psf)	Wind Load (psf) - 4.1.7 NBCC 2010	
				9.4.2.2 NBCC 2010	Open terrain	Rough terrain
Alert	1.6	0.1	0.75	21	47	33
Arctic Bay	2.1	0.1	0.55	27	35	25
Arviat/Eskimo Point	2.9	0.2	0.58	38	37	26
Baker Lake	2.9	0.2	0.54	38	34	24
Cambridge Bay	1.6	0.1	0.54	21	34	24
Chesterfield Inlet	3.0	0.2	0.56	39	36	25
Clyde River	3.5	0.2	0.72	45	46	32
Coppermine	2.6	0.1	0.46	32	29	21
Coral Harbour	3.8	0.2	0.69	48	44	31
Eureka	1.6	0.1	0.55	21	35	25
Iqaluit	2.9	0.2	0.58	38	37	26
Isachsen	1.6	0.1	0.60	21	38	27
Nottingham Island	4.5	0.2	0.78	56	49	35
Rankin Inlet	3.0	0.2	0.60	39	38	27
Resolute	1.7	0.1	0.69	22	44	31
Resolution Island *	5.2	0.2	1.23	64	78	54

* Bracing to resist lateral loads due to wind should be provided (as per NBCC 2010 section 9.23.13)

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The information in this document pertains to use in CANADA ONLY, Limit States Design. Refer to the US Tall Wall Specifier Guide for use in the United States.

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