



City of Thorold

Climatic Data

City of Thorold, ON

Design element	Design value
January 2.5% design dry bulb temperature °C	-16
January 1% design dry bulb temperature °C	-18
July 2.5% design dry bulb temperature °C	30
July 2.5% design wet bulb temperature °C	23
Annual total degree days below 18 °C	3,585
Maximum 15 minute rainfall (mm)	23
Maximum one day rainfall (50 years) (mm)	92
Annual rainfall (mm)	770
Annual total precipitation (mm)	850
Moisture Index	1.18
Driving Rain wind pressure 1/5 years (Pa)	160
Ground snow load, snow component S _s (30 years) (kPa)	
Ground snow load, rain component S _r (30 years) (kPa)	
Ground snow load, snow component S _s (50 years) (kPa)	1.8
Ground snow load, rain component S _r (50 years) (kPa)	0.4
Hourly wind pressure 1/10 (kPa)	0.34
Hourly wind pressure 1/30 years (kPa)	
Hourly wind pressure 1/50 years (kPa)	0.44
Hourly wind pressure 1/100 years (kPa)	