

PART 1 GENERAL

1.1 GENERAL ABBREVIATIONS

AASHTO	American Association of State Highways and Transportation Officials
ACI	American Concrete Institute
AISC	American Institute of Steel Construction
ASTM	American Society for Testing and Materials
AWS	American Welding Society
CAN	National Standard of Canada
CCA	Canadian Construction Association
CEC	Canadian Electrical Code
CSA	Canadian Standards Association
CWB	Canadian Welding Bureau
ISO	International Organization for Standardization
SSPC	Steel Structures Painting Council
NBC	National Building Code
RTAC	Roads and Transportation Association of Canada
WCB	Worker's Compensation Board

1.2 UTILITIES

API	American Petroleum Institute
AWWA	American Water Works Association
CGA	Canadian Gas Association
CGSB	Canadian General Standards Board
CSPI	Corrugated Steel Pipe Institute
FM	Factory Mutual
IAO	Insurer's Advisory Organization
ULC	Underwriters Laboratories of Canada
TAC	Transportation Association of Canada

1.3 METRIC ABBREVIATIONS

.1 General

The specifications are metric and metric usage is based upon SI units in accordance with CSA Standard CAN/CSA-Z234.1-89 Canadian Metric Practice Guide. In this specification SI units are abbreviated in accordance with the Metric Units and Abbreviations below.

.2 Linear Measure

Metre	m
Millimetre	mm
Kilometre	km
Micrometre	micro-m

.3 Area

Square metre	m ²
Square millimetre	mm ²
Hectare	ha

.4 Volume

Cubic metre	m ³
Litre	L

.5 Mass and Density

Kilogram	kg
Gram	g
Tonne	t
Kilogram per metre	kg/m
Gram per metre	g/m
Kilogram per square metre	kg/m ²
Gram per square metre	g/m ²
Kilogram per cubic metre	kg/m ³

.6 Temperature

Degree Celsius	°C
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.7 Force, Pressure and Stress

Newton	N
Kilonewton	kN
Pascal	Pa
Kilopascal	kPa
Megapascal	MPa

.8 Velocity, Rate of Flow

Metre per second	m/s
Metre per hour	m/h
Kilometre per hour	km/h
Litre per second	L/s
Cubic metre per second	m ³ /s

.9 Power, Energy, Heat, Work

Watt	W
Kilowatt	kW
Kilowatt hour	kWh
Joule	J

.10 Electricity

Ampere	A
Volt	V

.11 Illumination

Footcandle	fc
Lumen	lm
Lux	lx

.12 Metric Pipe Size Equivalents – ISO Diameter Nominale (DN)

Metric (mm)	Imperial (in.)
8	1 / 4"
10	3 / 8"
15	1 / 2"
20	3 / 4"
25	1"
32	1-1/4"
40	1-1/2"
50	2"
65	2-1/2"
80	3"
90	3-1/2"
100	4"
125	5"
150	6"
200	8"
250	10"
300	12"
350	14"
400	16"

450	18"
500	20"
600	24"

1.4 USE OF ABBREVIATIONS

- .1 The abbreviations refer to Specifications, Methods and Standards issued by the respective Association, and the abbreviations are used in the specifications.
- .2 Alphanumeric designations following the abbreviations denote the specification, method, or standard.

END OF SECTION