



Regulatory Fire & Safety Signage

St Catharines, Ontario

Fire Routes

Fire Routes

https://www.stcatharines.ca/en/documents/documentuploads/bylaws/doc_634124579347461424.pdf

- 30cm x 45cm
- State "No Parking" or the equivalent symbol
- State "Fire Route"



No Parking

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- Not regulated by bylaw enforcement
- Parking violations recommended the following
 - Be posted in clear places
 - Proper signage stating "unauthorized vehicles will be tagged and/or towed at owner's expense"
 - Include a contact number (for towing)



No Smoking

No Smoking in Public Places and in Workplaces

<https://www.niagararegion.ca/government/bylaws/pdf/Smoking%20By-law.pdf>

No Smoking Signs

- At least 10cm in diameter showing an illustration of a black, lit cigarette on a white circle surrounded by a black border with a width equal to one tenth of the diameter
- Words: "You may smoke here" "Vous pouvez fumer ici" in black and in at least 40 point type
- May also add: "No smoking except in designated areas" "defense de fumer sauf dans les endroits autorises" in black and in at least 35 point type

Towing

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- See information under [No Parking](#)

No Dumping

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- No specific requirements for these

Niagara Region - Solid Waste Management Bylaw

<https://www.niagararegion.ca/government/bylaws/pdf/2015/By-law-63-2015-waste-management.pdf>

- Max fine: \$500

Underground Parking

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- Any requirements would be under the Design Guidelines, check building codes/bylaws

Downtown Urban Design Guidelines

https://www.stcatharines.ca/en/documents/documentuploads/OfficialDocumentsAndPlans/doc_634823671496214364.pdf

- No specific signage requirements

Commercial Design Principles

https://www.stcatharines.ca/en/documents/documentuploads/officialdocumentsandplans/doc_634823681910543464.pdf

- Coordinated directional signs should be provided for entrances, pedestrian walkways, parking and service areas throughout the development

Building Code Extracts

http://tnb.ca/en/brands/emergi-lite/files/EL_NBC%20BUILDING%20CODE_EN.pdf

Every exit door shall have an exit sign placed over it or adjacent to it if the exit serves

- A building that is 3 storeys in building height
- A building having an occupant load of more than 150
- A room or floor area that has a fire escape as part of a required means of egress

Every exit sign shall:

- Be visible on approach to the exit
- Consist of a green pictogram and a white or lightly tinted graphical symbol meeting the colour specifications referred to in ISO 3864-1, "Graphical symbols – Safety colours and safety signs – Part 1: Design principles for safety signs in workplaces and public areas," and c) conform to the dimensions indicated in ISO 7010, "Graphical symbols – Safety colours and safety signs – for the following symbols (see A-3.4.5.1.(2)(c))
 - i) E001 emergency exit left,
 - ii) E002 emergency exit right,
 - iii) E005 90-degree directional arrow, and
 - iv) E006 45-degree directional arrow.
- Internally illuminated exit signs shall be continuously illuminated and
 - Where illumination of the sign is powered by an electrical circuit, be constructed in conformance with CSA C22.2 No. 141, "Emergency Lighting Equipment,"



Safety Media

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- Where illumination of the sign is not powered by an electrical circuit, be constructed in conformance with CAN/ULC-S572, "Photoluminescent and Self-Luminous Signs and Path Marking Systems."
- Externally illuminated exit signs shall be continuously illuminated and be constructed in conformance with CAN/ULC-S572, "Photoluminescent and Self-Luminous Signs and Path Marking Systems." (See A-3.4.5.1.(4))
- The circuitry serving lighting for externally and internally illuminated exit signs shall a) serve no equipment other than emergency equipment, and b) be connected to an emergency power supply as described in Sentences 9.9.12.3.(2), (3) and (7).
- Where no exit is visible from a public corridor, from a corridor used by the public, or from principal routes serving an open floor area having an occupant load of more than 150, an exit sign conforming to Clauses (2)(b) and (c) with an arrow or pointer indicating the direction of egress shall be provided

Fire Safety Plan Box Provisions

<https://www.stcatharines.ca/en/livein/Fire-Safety-Plans.asp>

- Secured by a padlock
- States "FIRE SAFETY PLAN" in a contrasting colour to the background colour

Accessibility Guidelines

Niagara Region Facility Accessibility Design standards

<https://www.niagararegion.ca/government/works/pdf/2005-Facility-Accessibility-Design-Standards-web.pdf>

Parking Signs

- At least 300mm x 450mm



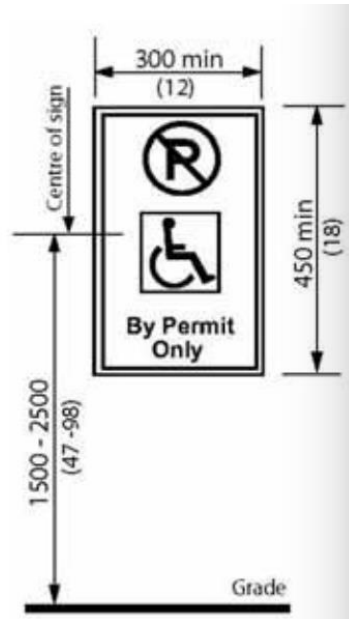
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Design Requirements

- Letters and Numbers
 - Text must be sans serif font
 - Arabic numbers
 - Width-to-height ratio between 3:5 and 1:1
 - Stroke width-to-height ratio between 1:5 and 1:10
- Eggshell, matte or other glare free finish
- Must contrast with background colour (light on dark or dark on light)
- Minimum illumination is 200 lux

* This is a **serif** font face

This is a **sans serif** font face

Character Height Requirements



Minimum character height, mm	Maximum viewing distance, mm
200 (7-7/8 in.)	6000 (19 ft. 8 in.)
150 (5-7/8 in.)	4600 (15 ft. 0 in.)
100 (3-15/16 in.)	2500 (8 ft. 2-1/2 in.)
75 (2-15/16 in.)	2300 (7 ft. 6-1/2 in.)
50 (2 in.)	1500 (4 ft. 11 in.)
25 (1 in.)	750 (2 ft. 5-1/2 in.)

Tactile Signage

- Raised at least 0.8mm, not sharply edged
- Between 16mm and 50mm high
- Sans serif text, accompanied by Grade 2 Braille



Pictograms

- Border dimension is a minimum of 150mm in height

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