CSA Group Codes and Standards for Canadian Infrastructure

For more than a century, CSA Group has supported the evolution of Canada’s built environment through the development of codes and standards that underpin safe and reliable infrastructure. Guided by technical experts from across Canada, CSA Group’s infrastructure standards – many referenced in legislation and construction specifications – help safeguard human life and contribute to the progressive improvement of infrastructure.

Standards and research publications

**Structural design**
1. CSA A23.3, Design of concrete structures
2. CSA O86, Engineering design in wood
3. CSA S16, Design of steel structures
4. CAN/CSA-S37, Antennas, towers, and antenna-supporting structures
5. CSA S136, North American specification for the design of cold-formed steel structural members
6. CSA S304, Design of masonry structures
7. CSA S367, Air-, cable-, and frame-supported membrane structures
8. CSA S157/CSA S157.1, Strength design in aluminum/Commentary on CSA S157, Strength design in aluminum
10. CSA S808, Specification for fibre-reinforced polymer (FRP) materials for externally reinforcing structures
11. CSA S852, Blast-resistant window anchor systems
12. CSA W59, Welded steel construction

**Wastewater systems**
18. CSA S900.1, Climate change adaptation for wastewater treatment plants
19. CSA S900.2, Structural design of wastewater treatment plants

**Water distribution**
20. CSA B137 Series, Thermoplastic pressure piping standards
21. CSA B70, Cast iron soil pipe, fittings, and means of joining
22. CSA B242, Groove- and shoulder-type mechanical pipe couplings

**Sewer systems**
23. CAN/CSA-G40L Corrugated steel pipe products
24. CSA B1800, Thermoplastic nonpressure piping compendium
25. CSA S250, Mapping of underground utility infrastructure

**Mechanical and industrial systems**
31. ASME A17/CSA B44, Safety code for elevators and escalators
32. CSA B51, Boiler, pressure vessel, and pressure piping code
33. CSA B52, Mechanical refrigeration code

**Northern infrastructure**
34. CSA S500, Thermosyphon foundations for buildings in permafrost regions
35. CSA S501, Moderating the effects of permafrost degradation on existing building foundations
36. CSA S502, Managing changing snow load risks for buildings in Canada’s North
37. CSA S504, Fire resilient planning for northern communities
38. CSA S505, Techniques for considering high winds and snow drifting and their impact on northern infrastructure

For more information, visit CSA Group website:
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