




# BUILDING STANDARDS ADVISORY

<p>Subject</p> <h2 style="text-align: center;">Pre-Engineered Steel Buildings</h2>	<p>Approved by</p> 	<p>Advisory Number</p> <p style="text-align: center;">A-2 1 of 1</p>
	<p>Effective Date</p> <p style="text-align: center;">September 1996</p>	<p>NBC 1995 References(s)</p> <p style="text-align: center;">2.1.4.</p>

Compliance with *The Uniform Building and Accessibility Standards Act* (the UBAS Act) and regulations is addressed in this advisory. NBC 1995 means the National Building Code of Canada 1995 as adopted by regulations under the UBAS Act. Words in italics, other than Act titles, are defined in the NBC 1995.

### DESIGN\*

- Design must comply with all applicable requirements of the National Building Code of Canada 1995 as adopted and amended under *The Uniform Building and Accessibility Standards Act*.
- Professional design is required for the **foundation** — the **designer** must be a professional engineer registered or licensed with the Association of Professional Engineers of Saskatchewan or an architect registered with the Saskatchewan Association of Architects.
- **Foundation** design must be **site-specific** and **building-specific**.
- Professional design is required for the superstructure — the **designer** must be a professional engineer registered or licensed with the Association of Professional Engineers of Saskatchewan or an architect registered with the Saskatchewan Association of Architects.
- **Fire-resistance rating** of, and **unprotected openings** in, exterior walls must be **site-specific** to accommodate spatial separation requirements to prevent the spread of fire.
- **Buildings** designed to **United States structural design standards are not considered equivalent** unless the structure is analyzed and demonstrated to meet the design requirements of the NBC 1995.

### CONSTRUCTION\*

- A professional **designer** must inspect the construction to ensure compliance with the design.
- Manufacturer's instructions must be followed fully and completely, unless overridden by professional designer's specifications.
- Fabricators and erectors doing field welding of structural elements must be certified by the Canadian Welding Bureau.

### TROUBLESHOOTING

- Additions to buildings or buildings constructed nearby may create unanticipated snow build-ups on lower roofs or in valleys.
- Unusually heavy snowfall accumulations may exceed maximum design loads.
- Unfinished or incomplete construction may cause structural deterioration or failure.
- Excess moisture accumulations may cause premature deterioration of members and connections.

\* *The Uniform Building and Accessibility Standards Act* does not apply to "farm buildings" as defined in the Act. Buildings designed and constructed as "farm buildings" cannot be used for other occupancies unless all the design requirements of the NBC are met. For assistance in determining which buildings are considered "farm buildings," see Advisory A-3 "Farm Buildings."