



The Corporation of the
Township of Wilmot 60 Snyder's Road West, Baden, Ontario N3A 1A1

Attention all Grain Bin Distributors, Installers and Manufacturers.

All grain bins and other steel storage structures will require design and general review by a qualified Professional Engineer licensed in Ontario, as specified below. As all the foundations are currently reviewed by a Professional Engineer, this will not change but soil testing for bearing capacity will be required if specified by the foundation Engineer or if concerns arise during an inspection.

Division A Part 1 - 1.3.1.2 of the 2006 Ontario Building Code requires grain silos, grain bins and tanks (which are considered *farm buildings*) to conform to the requirements of the National Farm Building Code of Canada. The NFBC cross references the 1997 Ontario Building Code. The design must be in compliance with Part 4 of the 1997 Ontario Building Code as required in Division A- Part 1- 1.3.1.2 (1)-(5) and The National Farm Building Code of Canada 1995 Part 2, Section 2.3.

All grain silos, grain bins, silos and tanks are required to be designed by a Professional Engineer licenced in Ontario prior to building permit application. Applications for all un-stiffened bins and tanks that have a capacity of 10,000 bu. or less shall be submitted with a stamped installation manual and a letter signed and sealed in accordance with the Professional Engineers Act by the Professional Engineer as to the items identified below.

The balance of the stiffened, un-stiffened grain bins, grain silos, silos and tanks shall be site specific with site plans and elevations to verify the issues below have been addressed. Note: silos can cause snow shadow on building roofs.

The information supplied for a building permit, over and above existing requirements, shall include but is not limited to:

1. Design criteria, (including snow, wind, material weight, soil conditions and foundation requirements).
2. Any roof top equipment (for example ladders, conveyors, downspouts, platforms and vents) shall be considered by the design Engineer.
3. Any stirring devises, in-bin dryers (for example roof top dryers, eave mounted or in floor), sensor cables and side-draw unloading system, shall be considered by the design Engineer.
4. Any field modifications to the bin (for example fan transition cuts, auger cuts) shall be considered by the design Engineer.
5. Any snow shadow effect caused by the new bin on an existing bin or building shall be considered by the Engineer.
6. Any size or type of bin that is elevated on a superstructure, the whole assembly shall be designed by an Engineer.

Any questions please contact: Doug Robertson Chief Building Official
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