



Above Ground Installation of Storage Tank Inside Building Checklist

Complete the following checklist and submit with your building permit application package.

Tank installation details

Tank size (L):	
Product type:	
ULC listing:	
Construction type:	
Type of overfill protection:	

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Product type:	
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Check all that apply

Manitoba Fire Code 2024	Code Requirement	Complies
	Occupancy	
4.3.13.1.	Tanks will be installed in an industrial occupancy	☐
4.3.13.1.	The tanks storing <i>combustible liquids</i> are used to supply fuel for oil-burning equipment, emergency generators and fire pumps	☐
4.3.13.2.	Installations using Class I liquids as fuel supplies for stationary engines inside buildings shall conform to NFPA 37	☐
4.3.13.3.	The static head on a storage tank shall not exceed 70K Pa	☐
	Storage Tanks in Buildings / or Storage Rooms in Buildings	
4.3.14.2.	A minimum clearance of 550 mm is required between the walls of a room and the side of any storage tanks within a room	☐
4.3.14.4.	Placards identifying flammable/combustible liquids and capacities of storage tanks must be posted in a conspicuous location outside the room	☐
4.3.13.4(1)	Where storage tanks for flammable/combustible liquids are located inside storage rooms, the maximum quantities and location must be in conformance with Table 4.3.13.4.A. and Table 4.3.13.4.B.	☐
4.3.13.5.	Storage tanks are double walled in conformance with MFC 4.3.1.2 (l) (e), or a minimum of 300 deg. secondarily contained construction, and monitored for leakage	☐
	Design and Construction of Rooms	
4.3.14.1.	Room is separated from the rest of the building by a 2-hour fire separation	☐
4.3.14.1.	Room is made liquid tight where the walls join the floor	☐
4.3.14.1.	Room is designed to contain 100% of the volume of the largest tank, or designed to drain the liquid away	☐
4.3.14.1.	Room is used for no purposes other than the storage and handling of flammable/combustible liquids	☐
4.3.13.4(2)	Quantities greater than that permitted for incidental use and permitted to be located outside a storage room must:	
	a) not exceed one half the quantities in Table 4.3.13.4.	☐
	b) be located on the first storey	☐
	c) provide 100% containment, ventilation, proper bonding/grounding, be within the reach of a hose stream and have Class B fire extinguishers installed	☐
4.3.13.8.	When two or more classes of liquids are stored in a single storey, the total quantity permitted for each class of liquid must be determined	☐
4.3.13.10.	Normal and emergency vents for storage tanks in buildings conform to:	
	a) normal and emergency venting for above ground storage tanks (see MFC 4.3.4.)	☐
	b) vent piping for above ground storage tanks (see MFC 4.3.5.)	☐
4.3.14.3.	Dispensing of Class IA or IB liquids in a storage room conforms with NFPA 68	☐

Manitoba Fire Code 2024	Code Requirement	Complies
4.3.13.11.	Supports, foundations and anchorage for storage tanks shall conform to supports, foundations and anchorage requirements for above ground storage tanks, MFC 4.3.3.	☐
4.3.13.11.	Where a storage tank is suspended, rather than supported on a foundation, design and installation must be in accordance with good engineering practice	☐
4.3.13.12.	Storage tanks for flammable/combustible liquids, the piping and discharge equipment must be bonded and grounded	☐
4.3.15.1.	Connections:	
	a) Connections for all openings in storage tanks in buildings must be liquid and vapour tight	☐
	b) Connections to storage tanks through which liquid can flow must be provided with valves located as close as practical to the tank	☐
	c) Connections for filling or emptying storage tanks shall be provided with a spill containment device in accordance with Sentence 4.3.6.4.(4).	☐
4.3.15.2.	Openings that are independent of the fill pipe and used for measuring liquid levels in storage tanks containing Class I or II liquids must be equipped with a vapour tight cap. Openings shall be protected against overflow and vapour pressure by means of a spring-loaded check valve.	☐
4.5.	All piping and transfer systems comply to Section 4.5 of the Manitoba Fire Code	☐
4.5.	A piping layout is included	☐

This checklist is not intended to replace any requirements under the Manitoba Fire Code or any City of Winnipeg By-laws. Complete requirements may be obtained by referring to the applicable bylaw or section under the Manitoba Fire Code. The permit applicant/contractor is responsible for ensuring that all applicable provisions are in compliance.

Completed by:

Petroleum Contractor:	
Signature:	
Date:	