



<b>Fuels Safety Program</b>	Ref. No.: FS-151-09	Rev. No.: 1
<b>ADVISORY</b>	Date: March 26, 2009	Date: July 2, 2009

**Subject:** Six Foot Clearance Between Roof Edge and Gas-Fired Appliances  
**Sent to:** Posted on website

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The gas code requires that there be a clearance of at least six feet between a roof top unit and the roof edge or other hazard. If you have less than the required six feet of clearance then a variance is required. The TSSA will consider requests for deviations from the code if the following documents are submitted:

- A completed and signed Variance Application Form
- The certified service clearances for the heater
- Letters and/or drawings signed & sealed by a Professional Engineer or an Architect showing:
  - That a metal guardrail will be designed, built, and installed to meet the requirements of section 14 of Ontario Regulation 851 under the Occupational Health and Safety Act;
  - The method of securing the guardrail assembly to the building; and
  - The design details of the guardrail.
- Drawing(s) showing:
  - A plan view of the roof;
  - The location of the appliance on the roof;
  - The location of the appliance's maintenance panels;
  - The location of the guardrail;
  - That the distance from any open end of the guardrail to the gas fired unit will be a minimum of 6 feet; and
  - That the service clearances are maintained.

### **Factory Fabricated Guardrails (FFG)**

These are often portable type of guardrails which rest on the roof. The same requirements apply to FFG's. Each installation is treated individually and the declarations required by either a Professional Engineer or an Architect, as stated above, are required for each installation which includes design details. Particular attention must be paid to how an FFG is considered as secured to the building in spite of it not being mechanically attached. These declarations need to be current, and reflect the actual guardrail system being installed. A description on how to identify the guardrail installed is required. A reference to sales literature is not sufficient identification. The FFG's installation instructions must be supplied with the Variance Application.

An FFG's shall be a continuous complete assembly. To prevent vandalism or disassembly of the factory fabricated guardrail system, special tools shall be required to remove locking pins or any other mechanical fasteners.

Below is a sketch showing a typical arrangement of the minimum clearances.

