



## Sunshine Coast Regional District Building Division Policy

**Heat Loss and Ventilation Checklists for all buildings.**

**February 1<sup>st</sup>, 2010**

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**Subject:** Requirements to provide ventilation check list, heat loss calculations, appliance selection, supply and return duct layout, hydronic loop layout, and/or electric heating layout for all buildings

**Policy:** With the increasing complexity of buildings and ever increasing Code requirements towards energy efficiency of buildings, it has become necessary to prove out design of heating systems for all buildings issued permits after March 1<sup>st</sup> 2010.

This policy will apply to all buildings for which permits are issued after April 1<sup>st</sup> 2010, but does not apply to the following structures:

- Garages and accessory buildings.
- Sheds and storage buildings
- Greenhouse structures on residentially zoned property.

Residential Contractors and Homeowner Builders will be required to supply a ventilation checklist and heat loss analysis/appliance selection and duct layout on or before the Framing Inspection to the Building Inspector.

Buildings of other than one and two family use will require a design by a Registered Professional.

Particulars of these checklists will change depending on the type of heat used, but typically in a forced air heating system a heat loss sheet, appliance selection sheet and duct layout will be required. (***See package attached***)

All heat loss and ventilation requirements for buildings must follow either:

- the prescriptive requirements of the BCBC for Part Nine structures for heating and ventilation.
- a computer modeling approach acceptable to the Building Inspector to demonstrate alternative compliance, or,
- an ASHRAE 90.1 Energy Usage and Heat Loss analysis submitted by a Registered Professional.

