

BASEMENT DEVELOPMENT CHECKLIST

Provide the following information, and submit with permit application for a residential basement development.
(See reverse side for applicable code requirements)

Name: _____

Address: _____

Municipality: _____

FLOOR PLAN:

Along with the information to be provided with this form, a floor plan 'sketch' is required to be provided. The sketch can be hand-drawn and not-to-scale. The floor plan should include the following information:

- Overall dimensions of basement
- Room sizes
- Window sizes and type (bedroom egress)
- Location of smoke alarm(s) / carbon-monoxide alarm(s)
- Plumbing facilities
- Fireplace (note gas, wood burning, or other)

BASEMENT INSULATION DETAILS

CHECK ALL APPROPRIATE BOXES
FILL IN ANY REQUIRED BLANKS

FOUNDATION TYPE:

- CONCRETE FULL HEIGHT
- CONCRETE WALL W/ WOOD FRAME PONY WALL
- INSULATED CONCRETE FORM (ICF)
- PRESERVED WOOD (PWF)
- OTHER: _____

PROTECTION FROM DAMPNESS:

- PT BOTTOM PLATE
- SEPARATED BY POLY / SILL GASKET

(EXISTING) SOIL GAS BARRIER:
FLEXIBLE SEALANT INSTALLED AT PERIMETER OF SLAB AND PENETRATIONS

RIM JOIST DETAILS: (EXISTING)

- BATT INSUL W/ POLY
- INSULATED RIM JOIST PANEL
- SPRAY FOAM
- OTHER: _____

FOUNDATION INSULATION DETAILS: (EXISTING)

- 2x _____, R _____ (FIBERGLASS / MINERAL WOOL)
 - 6-mil CGSB POLY AIR / VAPOUR BARRIER (WARM SIDE)
 - RIGID INSULATION APPLIED TO FOUNDATION WALLS (MUST HAVE VAPOUR PERMEANCE GREATER THAN $170 \text{ ng} / (\text{Pa} \cdot \text{s} \cdot \text{m}^2)$ WHERE APPLIED ABOVE GRADE)
- ICF INSULATED FORM
- SPRAY FOAM
- OTHER: _____

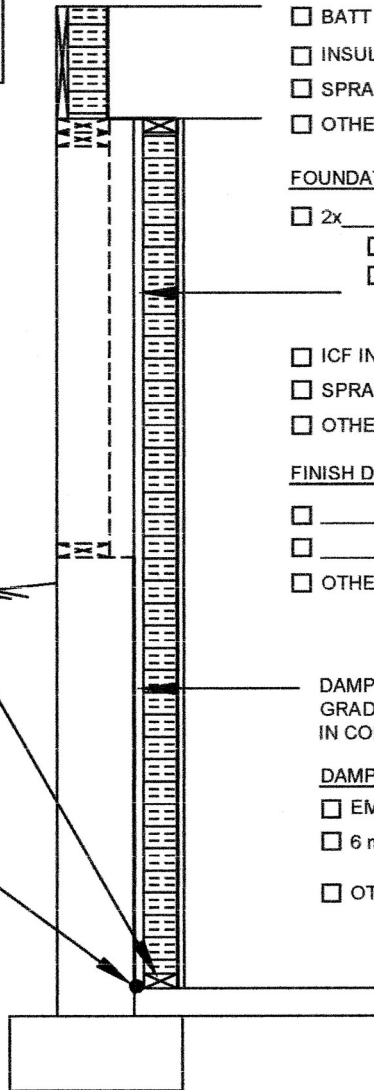
FINISH DETAILS: (EXISTING)

- _____" DRYWALL
- _____" OSB / PLYWOOD
- OTHER: _____

DAMPPROOFING REQUIRED ON CONCRETE TO GRADE HEIGHT ONLY, IF WOOD FRAMING MEMBERS IN CONTACT WITH CONCRETE

DAMPPROOFING DETAILS: (EXISTING)

- EMULSIFIED ASPHALT / TAR
- 6 mil CGSB POLY (SLIT OPENINGS IF INSTALLED ABOVE GRADE)
- OTHER: _____



OTHER CHECK ITEMS:

- Handrail provided at stairs to basement.
- Stairs protected by walls or guard rail.
- Bathroom exhausted by:
 - Fan (w/switch) vented directly to outdoors
 - Connection to existing house ventilation system (w/ switch)

INTERIOR WALL FRAMING:

- 2x _____ @ _____ inch o.c.
- PT bottom plate, or
- Poly / sill gasket concrete separation
- Steel stud framing

Prepared by

BuildTECH Consulting & Inspections Inc.

www.buildtechinspections.ca

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CODE ARTICLES

NBCC 2010	Description
	The following NBCC Article descriptions are summaries of the articles and sentences, not the actual NBCC 2010 code article.
9.9.10.1.	<p>The bedroom windows must comply with the requirements of Section 9.9.10.1., including the following:</p> <ul style="list-style-type: none"> • Openable without the use of keys, tools, or special knowledge, and without the removal of sashes or hardware, and • Have an unobstructed opening of not less than 0.35 m² (3.8 f²) with no dimension less than 380 mm (15 inches), and maintain the required opening during an emergency without the need for additional support.
9.8.7.1.	A handrail is required at interior stairs with more than 2 risers.
9.8.8.1.	Flights of steps and landings shall be protected by a guard on each side that is not protected by a wall for the length where there is a difference in elevation of more than 600 mm (24") between the walking surface and the adjacent surface.
9.10.19.1.	A hardwired smoke alarm is required on all floor levels. On floor levels where bedrooms are located, they shall be installed in each bedroom , plus one in the hallway or living space on that same level. All smoke alarms in the dwelling shall be interconnected.
9.13.2.6.	Where wood framing members are in contact with the concrete foundation walls, the concrete wall is required to have damproofing installed starting at the basement floor and terminating at ground level.
9.13.4.7.	The perimeter of the basement floor slab, and all penetrations shall be sealed with a flexible sealant to prevent soil gas leakage.
9.23.2.3.	The wall bottom plates are required to be pressure-treated, or separated from the concrete with .05 mm polyethylene sheet.
9.25.2.1.	Exterior basement walls shall be insulated sufficiently enough to prevent moisture condensation on their room side during the winter.
9.25.3.1.	Insulated walls shall be constructed with an air / vapour barrier system to provide a continuous barrier to air and vapour leakage. Polyethylene sheet air / vapour barrier shall be 6 mil CGSB polyethylene sheet made continuous at all joints and penetrations.
9.32.3.7.	The bathroom requires an exhaust fan that is exhausted directly to the outdoors, or be exhausted by the house ventilation system.
9.32.3.9.	A carbon monoxide detector is required in each bedroom, or within 5m of each bedroom door. A properly located combination smoke / CO alarm will satisfy this requirement. Plug-in style carbon monoxide detectors do not meet this requirement.