

Foundation (Pre-Backfill) Inspection Checklist

This list is intended to offer a general overview of the types of elements our inspectors may focus on during an inspection. It should be noted that this list is not exhaustive and should not be considered a definitive guide. Each inspection is unique, and the specific circumstances of each case may result in variations regarding what is inspected or prioritized. Always consult with your assigned inspector for any questions that may arise from your project.

Support of Footings

- Footings on solid, clean unfrozen ground.
- Elevation of footings provides a minimum of 1.2 m frost protection cover.
- Professional's report for foundations designed under Part 4 of the Building Code, i.e. engineered fill, piles.

Footing Forms

- Steel column footing 'pad' size and depth in accordance with the permit drawings.

Foundation Wall Thickness

- Thickness of foundation wall for the retaining height against lateral earth pressure, as indicated on the permit drawings.
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Joist & Beam Support

- Dove tail anchor slots or rod type ties installed for tying of brick to foundation. Standard brick ties are unacceptable.

Finishing (Below Ground)

- Unit masonry, parging covered over footing.
- Foundation wall surface is smooth to prevent adfreezing.

Foundation Wall Drainage

- Heavy coat of damp proofing is applied.
- Drainage tile 'weeping tile' placed on dry, compacted, unfrozen ground.
- Weeping tile perforations face down.

- Weeping tile adapter and connectors installed at footings and joints.
- Top and sides of weeping tile covered with not less than 150 mm of crushed stone.
- Weeping tile extended vertically to window wells and filled with crushed stone.
- Drainage layer has been installed and fastened in accordance with the manufacturer's instructions.

Location of Insulation

- Perimeter insulation installed where required by the Energy Design Summary Sheet.
- Insulation around or under the concrete slab on-ground conforms to the Energy Design Summary Sheet.

Lateral Support

- Foundation walls are laterally (braced) supported, or the first-floor joists are installed prior to backfilling.

Anchorage of Building Frames

- Anchor bolts not less than 12.7 mm diameter are installed at 2.4 m on centre maximum and at all corners.