

# Footing 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.*

## **Project Review**

- Permit drawing sets are on site for review by the building inspector.
- Ensure changes made in permit drawings have been followed through.
- In cold weather conditions, invoke frost protection plans to preserve concrete.
- Ensure footings are poured continuously; if not, provide a proper joint with 2 reinforcement bars.

## **Undisturbed Soil**

- Footings are on solid, clean, and unfrozen ground.
- Consider employing the services of a geotechnical engineer to confirm the soil can support the design net bearing pressure.
- Excavation is free of standing water.
- Bottom of excavation is free of organic material.
- Submit a professional engineer report where a high groundwater level is suspected or water at the bottom of the excavation cannot be accounted for.

## **Minimum Depth**

- The elevation of the footings is a minimum of 1.2 m below finished grade level and provides the proper frost protection cover.
- Ensure the depth of the footings has accounted for drains serving rear yard catch basins and that the drains do not undermine the footings or within the angle of repose.

## **Compacted Fill**

- Professional geotechnical engineer reports submitted confirming the compacted granular fill or compacted fill can support the net bearing pressure.

## **Form Layout**

- Footing form layout is in accordance with the permit plans.

**Footings**

- Confirm size, depth, and design of strip footings.
- Column pad thickness must be greater than that of the strip footings; refer to the permit plans for the correct dimensions.
- Stepped footings have the proper vertical rise and horizontal distance between risers.
- Reinforcement has been placed at the location where drains pass under the footing.