File # _____ Job Name _____
Builder _____ Directions _____
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CODE INSPECTOR'S CHECKLIST - CANADA

Rev: 08/2014

For use by Canadian building inspectors to simplify and expedite the inspection process with Superior Walls foundations. All page references made below use the Superior Walls Builder Guideline Booklet (BGB) and the 2010 National Building Code of Canada (NBCC). Additional copies of this checklist are available for download at www.superiorwalls.com.

1. Verify soil characteristics (Pg. 5)
   - ☐ Minimum 1,500 PSF(72 kPa) capacity (Table 1 on Pg. 5; NBCC Table 9.4.4.1)

2. Verify crushed stone footing (Pg. 6,8, & 9)
   - ☐ Stone depth (Table #2 on Pg.6)
   - ☐ Clean crushed stone - 1/2" (13 mm) (Refer to Pg. 9)
   - ☐ Filter membrane by others prior to backfill (Pg. 8)

3. Verify excavation (Pg. 7)
   - ☐ Trenches / excavation dug below frost line (NBCC Section 9.12.2.2)
   - ☐ Excavation for foundation shall extend to undisturbed soil (NBCC Section 9.12.2.1)

4. Verify drain system / sump pump (Pg. 6, 7 & 8)
   - ☐ Drainage pipe installed (Figure 2 on Pg. 6 & Foundation Drainage on Pg. 8)
   - ☐ Accumulation tank for sump if not draining to daylight
   - ☐ Backwater valves are installed on all drain pipes draining to daylight

5. Verify concrete floor (Pg. 18)
   - ☐ 4" (100 mm) base provided
   - ☐ 3" (75 mm) thick minimum floor thickness
   - ☐ Dampproofing membrane provided under floor as required
   - ☐ 2" (50 mm) minimum concrete contact between base of wall and concrete floor
   - ☐ Slab connectors (if present) bent into concrete floor pour

6. Verify crawl space construction if present (Pg. 20) and the presence of one of the following:
   - ☐ 12" (300 mm) minimum inside fill, or
   - ☐ 2" (50 mm) minimum poured concrete floor thickness

7. Verify sill plate framing connection (Pg. 23)
   - ☐ Bolted using minimum 1/2" (12.7 mm) bolts with washers in top bond beam
   - ☐ Bolted using 1/2" (12.7 mm) bolts above window / door headers
   - ☐ Attached per (Table #3 on page 26)
   - ☐ Sill plate splices must be at least 4'-0" (1.2 m) away from any panel joint
   - ☐ Bolted not more than 12" (305 mm), nor less than 7 bolt diameters, from the end of each plate section

8. Verify perpendicular floor joist connections (Pg. 24 & Figure 18 on Pg. 25)
    - ☐ Each joist nailed to sill plate with two 16d nails (or per code)

9. Verify parallel floor joist connections (Table 3 on Pg. 26; Pg. 27)
    - ☐ 2 x 6 (38 x 140) end-wall braces located within 12" (305 mm) from the interior of each corner (Figures 19 & 20 on Pg. 26 & 27)
    - ☐ 2 x 6 (38 x 140) end-wall braces nailed to sill plate with five 10d nails
    - ☐ 1 solid block used if backfill is 0' to 7'-6" (0 m to 2.3 m) (nailed in-line with the 2 x 6 (38 x 140) end-wall brace)
    - ☐ 2 solid blocks used if backfill is between 7'-6" and 9'-6" (2.3 m to 2.9 m) for joists less than 10" (254 mm) in height
    - ☐ 3 solid blocks used if backfill is between 7'-6" and 9'-6" (2.3 m to 2.9 m) for joists that are greater than or equal to 10" (254 mm) in height (See fastening details on Pg. 26 to 33)
    - ☐ Blocking requires six 10d nails through floor (conventional construction) or construction adhesive on top of blocking (modular construction)

10. Verify modular connection (Pg. 32)
    - ☐ Framing strap lies between band joist and sill plate (Figure #27 on Pg. 32)
    - ☐ Framing strap is fastened with 1-1/2" (38.1 mm) nails provided with straps
    - ☐ Verify 1 nail per hole
    - ☐ Verify strap spacing (Table #4 on Pg. 32)

11. Verify shear walls (Pg. 34)
    - ☐ If present, verify that shear wall is attached to floor, outside wall and joist(s) above
    - ☐ Shear wall must be either a Superior Walls panel or other approved construction

12. Verify stairwell header (Pg. 35). Is the long side of the stairway opening within 8' (2.4 m) of the parallel Superior Wall? If "YES":
    - ☐ Support beam (2 x 10 (38 x 235) sill plate and two 2 x 8's (38 x 184)) 2'-0" (610 mm) past each end of the opening without splices
    - ☐ Use 1/2" (12.7 mm) bolts in every precast hole through the bond beam
    - ☐ Openings larger than 9'-6" (2.9 m) must be reviewed by an engineer or be an alternative Superior Walls Stairwell Header Reinforcement design.

13. Verify backfilling (Pg. 38)
    - ☐ Before backfilling, basement floor must be poured and first floor framing / decking properly attached
    - ☐ Backfill shall be placed to avoid damaging the foundation wall panels (NBCC 9.12.3.1)
    - ☐ Height of finished soil grade must be at least 6" (150 mm) below top of Superior Walls Panel

14. Verify inside fill conditions (Pg. 21)
    - ☐ Must not exceed 36" (900 mm) more inside fill than outside fill

15. Verify final grade (Pg. 38)
    - ☐ Slope the final soil grade to divert ground water away from foundation
    - ☐ Finished soil grade height must be at least 6" (150 mm) below top of Superior Walls panel