

File # _____
Builder _____
Address _____

Job Name _____
Directions _____



CODE INSPECTOR'S CHECKLIST

Rev: 06/01/10

For use by building code inspectors to simplify and expedite the inspection process with Superior Walls foundations. All page references made below use the Superior Walls of America Builder Guideline Booklet (Revised June 2010) and the 2009 International Residential Code. Additional copies of this checklist are available for download at www.superiorwalls.com.

1. Verify soil characteristics (Pg. 5)
 - Minimum 1,500 PSF capacity (Table R401.4.1)
2. Verify crushed stone footing (Pg. 6, 8, & 9)
 - Stone depth (Table #2 on Pg.6)
 - Clean crushed stone (1/2" Max)
 - Filter membrane by others prior to backfill (R405.1.1)
3. Verify excavation (Pg. 7)
 - Trenches / excavation dug below frost line
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
5. Verify concrete floor (Pg. 18)
 - 4" base provided (R506.2.2)
 - 3-1/2" thick minimum floor thickness (R506.1)
 - Vapor retarder provided under floor as required (R506.2.3)
 - 2" 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 & 21) and the presence of one of the following:
 - Treated wooden bracing at 48" OC, or
 - 12" minimum inside fill, or
 - 2" minimum poured concrete floor thickness
7. Verify sill plate framing connection (Pg. 24)
 - Bolted using minimum 1/2" x 5-1/2" bolts with washers in top bond beam
 - Bolted using 1/2" x 3" bolts above window / door headers
 - Attached per (Table #3 on page 27) and
 - Minimum of 2 bolts per plate section and
 - Sill plate splices must be at least 4'-0" away from any foundation joint, and
 - Bolted not more than 12", nor less than 7 bolt diameters, of the end of all plate sections (R403.1.6)
8. Verify perpendicular floor joist connections (Pg. 24)
 - Each joist nailed to sill plate with two 16d nails (or three 8d nails per code) (R602.3(1))

9. Verify parallel floor joist connections (Pg. 24)
- 2 x 6 end-wall braces located within 12" from the interior of each corner (Figures 19 & 20 on Pg. 27 & 28)
 - Same 2 x 6 end-wall braces nailed to sill plate with five 10d nails
 - 1 solid block used if backfill is 0' to 7'-6" (nailed in-line with the 2 x 6 end-wall brace)
 - 2 solid blocks used if backfill is between 7'-6" and 9'-6" for joists less than 10" in height
 - 3 solid blocks used if backfill is between 7'-6" and 9'-6" for joists that are greater than or equal to 10" in height (See fastening details on Pg. 27 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. 33)
- Framing strap lies between band joist and sill plate (Figure #27 on Pg. 33)
 - Framing strap is fastened with 1-1/2" nails provided with straps
 - Verify 1 nail per hole
 - Verify strap spacing (Table #4 on Pg. 33)
11. Verify shear walls (Pg. 35)
- 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. 36). Is the long side of the stairway opening within 8' of the parallel Superior Wall? If "YES":
- Support beam (2 x 10 sill plate and two 2 x 8's) 2'-0" past each end of the opening without splices
 - Use 1/2" bolts in every precast hole through the bond beam
 - Openings larger than 9'-6" must be reviewed by an engineer or be an alternative Superior Walls Stairwell Header Reinforcement design.
13. Verify backfilling (Pg. 39)
- Before backfilling, basement floor must be poured and first floor framing / decking properly attached (R404.1.7)
 - Height of finished soil grade must be at least 6" below top of Superior Walls Panel (R404.1.6)
14. Verify inside fill conditions (Pg. 22)
- Must not exceed 36" more inside fill than outside fill
15. Verify final grade
- Slope the final soil grade a minimum of 6" fall within the first 10'-0" to divert ground water away from foundation (R401.3)
 - Height above finished soil grade must be at least 6" (R404.1.6)