

For use by framing contractors to ensure proper framing connection to top of Superior Walls panels. 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. Builder Guideline Booklet

- Obtain your personal copy of the SWA Builder Guideline Booklet

2. Building drawings

- Confirm you are working from the approved drawing
- Drawing date: _____ Drawing Rev: _____

3. Crawl space (Pg. 20 & 21): Confirm, with builder, one of the following:

- Treated wooden bracing at 48" OC, or
- 12" minimum inside fill, or
- 2" minimum poured concrete floor thickness

4. Sill plate framing connection (Pg. 24 to 27)

- Obtain sill plate bolting frequency from builder (Table #3 on page 27) (___24" OC or ___ 48" OC)
- Use 1/2" x 5-1/2" (minimum length) bolts with washers in top bond beam
- Fasten above window & door headers (Pg. 24)
- Use a minimum of 2 bolts per sill plate section and
- Bolted not more than 12" from the ends of each sill plate section (R403.1.6)
- Sill plate splices are at least 48" from any foundation panel joint

5. Perpendicular floor joist connection (Pg. 24)

- Each joist nailed to sill plate with two 16d nails (or three 8d nails per code)

6. Parallel floor joist connection (Pg. 24)

- 2 x 6 end-wall braces and joist blocking located every 48" and within 12" from the interior of each corner (Figures 19 & 20 on Pg. 27 & 28)
- Nail same 2 x 6 end-wall brace to sill plate with five 10d nails
- Obtain number of solid blocks required from builder _____
- 1 solid block used if backfill is 0' to 7'-6"
- 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) (Pg. 33)

7. Modular connection (Pg. 33)

- Obtain required spacing (32" or 48" OC) for framing straps from builder (Table #4 on Pg. 33)
- Install framing straps between band joist and sill plate (Figure #27 on Pg. 33)
- Nail framing strap with 1 1/2" nails provided with straps
- 1 nail in every nail hole

8. Wooden Shear wall (Pg. 35)

- Determine from builder if a wooden shear wall is required (___ Yes ___ No)
- Shear wall attached to concrete floor, wall and floor joist(s) above (per design professional specifications)

9. Stairwell header (Pg. 36 to 38).

- Is the long side of the stairway opening within 8' of the parallel Superior Walls panel?
- 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

10. Roof truss connections (Pg. 34)

- Obtain sill plate bolting frequency from builder per table #4 on page 28 (___24" OC or ___48" OC)
- Verify with builder what structural cross bracing (for wind loads or backfill) is required for the trusses (per manufacturer's specs)
- Verify with builder if uplift clips are required for the trusses