



FRAMER'S CHECKLIST

For use by framing contractors to ensure proper framing connection to top of Envirocast® Wall Panels. All page references made below use the Envirocast® Wall System Builder's Technical Handbook and the 2012 International Residential Code. Additional copies of this checklist are available for download at www.envirocast.com.

1. **Builder Guideline Booklet**
Obtain your personal copy of the Envirocast® Wall System Builder's Technical Handbook
2. **Building drawings**
Confirm you are working from the approved drawing
Drawing date: Drawing Rev: _____
3. **Crawl Space:** Confirm with builder one of the following: Treated wood bracing at 48" OC, or 12" minimum inside till, or 2" minimum poured concrete floor thickness.
4. **Sill Plate Framing Connection**
Obtain sill plate bolting frequency from builder (____ 24" OC or ____ 48" OC) bolts with washers used to attached the sill plate to the top bond beam.
Fastened above window and door headers.
Minimum of 2 bolts per sill plate section
Bolted within 12" of 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**
Each joist nailed to sill plate with two 16d nails (or three 8d nails per code)
6. **Parallel floor joist connection**
2 x 6 end-wall braces and joist blocking located every 48" and within 12" from the interior of each corner
2 x 6 end-wall brace nailed 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
Blocking requires six 10d nails through floor (conventional construction) or construction adhesive on top of blocking (modular construction)
7. **Modular connection**
Obtain required spacing (32" or 48" OC) for framing straps from builder
Install framing straps between band joist and sill plate
Nail framing strap with 1 1/2" nails provided with straps
1 nail in every nail hole
8. **Wooden Shearwall**
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**
Is the long side of the stairway opening within 8' of the parallel Envirocast® Wall Panels? 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 pre cast hole through the bond beam
Openings larger than 9'-6" must be reviewed by an engineer
10. **Roof truss connections**
Obtain sill plate bolting frequency from builder (____ 24" OC or ____ 48" OC)
Verify with builder what structural cross bracing (for wind loads or backfill) is required for the trusses (per manufacturers specs)
Verify with builder if uplift clips are required for the trusses



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1. Builder Guideline Booklet
 - Obtain your personal copy of the Enviro-Cast Wall System Builder's Technical Handbook
2. Building drawings
 - Confirm you are working from the approved drawing
 - Drawing date: Drawing Rev: _____
3. Crawl space (Pg.): Confirm, with builder, one of the following:
 - Treated wooden bracing at 48" OC, or
 - 12" minimum inside till, or
 - 2" minimum poured concrete floor thickness
4. Sill plate framing connection (Pg.)
 - Obtain sill plate bolting frequency from builder (Table #on page) (___24" OC or ___48" OC)
 - bolts with washers used to attach the sill plate to the top bond beam
 - Fastened above window & door headers (Pg.)
 - A minimum of 2 bolts per sill plate section
 - Bolted within 12" of 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.)
 - Each joist nailed to sill plate with two 16d nails (or three 8d nails per code)
6. Parallel floor joist connection (Pg.)
 - 2 x 6 end-wall braces and joist blocking located every 48" and within 12" from the interior of each corner (Figures & on Pg. &)
 - 2 x 6 end-wall brace nailed 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. to)
 - Blocking requires six 10d nails through floor (conventional construction) or construction adhesive on top of blocking (modular construction) (Pg.)
7. Modular connection (Pg.)
 - Obtain required spacing (32" or 48" OC) for framing straps from builder (Table # on Pg.)
 - install framing straps between band joist and sill plate (Figure # on Pg.)
 - Nail framing strap with 1 1/2" nails provided with straps
 - 1 nail in every nail hole
8. Wooden Shearwall (Pg.)
 - 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. so to).
 - Is the long side of the stairway opening within 8' of the parallel Enviro-Cast Wall Panels?
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.)
 - Obtain sill plate bolting frequency from builder per table # on page (___24" OC or ___48" OC)
 - Verify with builder what structural cross bracing (for wind loads or backfill) is required for the trusses (per manufacturers specs)
 - Verify with builder if uplift clips are required for the trusses