



## **SILL PLATE QUICK START GUIDE**

**This quick start guide is for quick reference only and is **NOT** intended to replace the Builder's Manual. Always cross reference the manual.**

1. String the MonoKast walls and fine adjust for straight if needed using wood bracing.
2. Layout & plan 2x10 treated sill plate so all the requirements listed are met. Please also refer to page 22 of the MonoKast Builder's Manual.
  - A. The end of each piece of sill plate (splice) must be at least 4' from the end of a MonoKast panel joint.
  - B. Each sill plate board must be bolted within 12" of the end or splice.
  - C. Place construction adhesive between the top of wall and sill plate.
  - D. Place the 2x10 treated sill plate on the MonoKast wall according to your layout.
  - E. Drill up through the precast holes in the top of the wall using a maximum of a 9/16" drill bit through the 2x10 sill plate and fasten the plate down using 1/2" X 6" carriage bolts with nuts and washers. Fasten the plate every 24" O.C. Clamps can be used to temporarily secure the sill plate's position for bolting.
3. If you have any further questions cross reference the Builder's Guideline Book and or contact K-Wall Poured Walls.



# MONOKAST WALL SYSTEMS

## **BACKFILLING QUICK START GUIDE**

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1. Securely nail the joist that run perpendicular to the MonoKast panels to the 2x10 sill plate using 2 or more 16D nails. (Per Code)
2. Where the floor joist run **Parallel** to the MonoKast panels the following requirements must be met.
  - A. Nail a 2x6 end wall brace securely to the sill plate that makes contact to the first floor joist. Nail using five 10d nails. Install the end wall braces 48" O.C. and with in 12" of each interior corner. Refer to pages 28-33 of the MonoKast Builder's Manual.
  - B. Install solid blocking 3 joist bays in. Line the blocking up with the 2x6 end wall braces. Place construction adhesive between the sub-floor sheathing and the solid blocks. Drive a minimum of six 10d nails through the sub-floor sheathing and into the solid wood blocking. Refer to pages 28-33 of the MonoKast Builder's Manual.
  - C. If conventional floor joist material or framing lumber cannot be used as solid blocking, 3/4" plywood and 2x4 material can be used to fabricate the appropriate blocking. Refer to page 29 of the MonoKast Builder's Manual to see an example.
  - D. The same procedure above applies to roof trusses placed directly on the MonoKast wall panels.
  - E. When stairwells are located adjacent to or within 8' of the MonoKast wall panels, the walls often act as a retaining wall with no top of wall restraint. This situation requires important special attention. Please refer to pages 35 & 36 of the MonoKast Builder's Manual.
3. If you have any further questions cross reference the Builder's Guideline Book and or contact K-Wall Poured Walls.

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1. Prior to backfilling the floor decking and or framing connections **Must** be completed and the concrete floor/slab **MUST** be installed and cured. Shear walls if determined to be required by owner/builder, must be installed per the MonoKast Builder's Manual. Please Refer to pages 37 & 38.
  - A. Place an additional 16" of clean stone over the top of the drain pipe on the exterior of the MonoKast panels. This allows for sufficient drainage.
  - B. Install filter fabric over the stone between the MonoKast panels and the dirt bank.
  - C. Walls with over 8' of un-balanced backfill we recommend using clean stone for the first 3' of backfill.
  - D. When stairwells are located adjacent to or with in 8' of an exterior backfilled MonoKast wall panel, clean stone must be used to backfill to with 18" of final backfilled grade.
  - E. Final backfill grade **MUST** slope a minimum of 6" away from the foundation in the first 10'.
  - F. Do not compact the backfill or allow heavy equipment or machinery to operate near the MonoKast walls. Doing so will have a negative effect on the MonoKast walls.
  - G. Backfill material must not exceed 60 PCF. Wood framing connections may not withstand the pressures exerted when backfill exceeds 60 PCF.
2. If you have any further questions cross reference the Builder's Manual and or contact K-Wall Poured Walls.

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