

Chapter 17 – Cabinets – Kitchen and Bathroom

	<ol style="list-style-type: none"> 1. Unpack. Inspect for damage. Compare sizes and number to Cabinet Plan (Plan). 2. If Plan has a microwave, verify cabinet above range is a 12" high unit (NOT a 14" high unit) 3. Remove doors. Protect vinyl floors. 4. Set up a temporary workbench to hold materials and tools.
<p>Laying Out Kitchen Upper Cabinets</p>	<ol style="list-style-type: none"> 5. If using blocking, skip to step 7. 6. If not using blocking, layout and install per sections 17.2 and 17.3 then go to step 7.
<p>Installing Kitchen I Upper Cabinets</p> <p>Installing Base Cabinets</p> <p>Installing Range Hood</p> <p>Installing Kitchen Countertop</p>	<ol style="list-style-type: none"> 7. Temporarily assemble countertop and install toggle bolts snugly (if corner arrangement). 8. Mark walls where countertop will end. Verify length with Cabinet Plan. 9. Using Cabinet Plan, mark walls where countertop and upper and base cabinets end. Rip fillers if required. 10. Mark wall studs & window/sink base centerline 38" above floor. 11. Drill 3/16" clearance holes at top/bottom of 30" cabinets; if blocking, top holes only req'd for 12", 14" and 15" units. 12. Begin installing with the corner cabinet. 13. Use 2 1/2" wafer heads to secure to blocking; 1 1/4" screws for support strips. 14. After mounting, verify spacing on each side of window is equal. Adjust filler width as req'd. 15. Attach filler (if req'd) to adjacent cabinet. 16. Attach cabinets adjacent corner unit w/ const. screws through the corner unit side panel into corner stile of filler. 17. Continue installation, checking for level and plumb and flushing up stile fronts. Shim as req'd. 18. After upper cabinet installation, disassemble dry fit of countertop, glue spline and tighten toggle bolts. 19. Remove shelves, drawers and any shipping protectors. 20. Set the lazy susan in place. Level and plumb. Attach to wall w/2 1/2" wafer head screws. 21. Center sink base beneath the window. Cut out for water lines, drain and electrical box from inside sink base back. 22. Check Plan to determine filler width(s) between lazy susan unit and sink base. Attach filler to adjacent unit. 23. Check countertop length. Refer to Plan. Ensure end of countertop adjacent range is flush with cabinet above. 24. Assemble cabinets between lazy susan and range. Clamp and secure stiles. 25. Place above assembly next to lazy susan. Use level to align to upper cabinet next to range hood opening. Mount to wall. 26. Verify 30 1/8" clearance front & back for range. 27. Measure gap between corner unit and adjacent unit and rip filler to that width. Attach to stile adjacent corner unit. Repeat on refrigerator end. 28. Check top of assembled cabinets for level. Check face for straightness. Shim as required. 29. If range, frig or dishwasher are adjacent to floor corner cabinet, install a cabinet end cap between appliance & cabinet. 30. If standalone cabinet on one end, install to wall then to a scrap 2x cleat on floor. Attach to wall first, then to the cleat through toe kick. Use a separate toe kick in front of future dishwasher cabinet. 31. Re-install all doors and drawers. Use hinge adjustment screws to plumb and align the doors. 32. Remove knockout & determine best hole location for cord. Drill 1 1/4" spade bit hole in cabinet bottom. 33. Drill (4) 3/16" clearance holes about 2" from each end, and 2" from front & back. Glue & screw 1 x 4 pine strips to cabinet underside with 1 1/4" wafer head screws. 34. Remove vent extension screws. Re-secure extension to range hood with 2" wide flashing tape. Check for gaps. 35. Draw a 4" x 11" rectangle centered 1/2" below cabinet. Cut sheetrock and plenum on the lines and remove. 36. Use flashing tape to seal sheetrock and plenum cutout. 37. Lift hood in place; slide vent extension into the cutout. 38. Install weatherstripping on face of spacer perimeter. Verify no gaps. 39. Fasten hood to pine strips with 1 1/4" wafer head screws. 40. Draw a ref. line from each corner for 2x4 countertop corner supports. 41. Attach 2 x 4 x ~ 26" to corner. Hold top even with drawn line and attach with 3 1/2" Sheetrock screw into studs. 42. Dry fit mitered countertop in place. Check for gaps between splash & wall. If any > 1/8", scribe and remove excess. 43. Determine which corner support areas of the cabinets to secure the countertop. 44. Draw lines along both sides of these cabinet walls. Cut 1x4 x 24" boards for each area. 45. Turn countertop over. Drill clearance holes in boards and mount to underside. DO NOT extend boards inside sink base walls. 46. Center and glue a 3/4"x3/4" x 10" pine board to the top rail of the sink base. Clamp flush to front face. 47. Glue and screw a 1x4 x cabinet width board behind countertop lip where the dishwasher will or might reside. 48. Glue and screw 1x pine x12" behind the countertop lip. One on each side of the miter joint. 49. If not pre-drilled, drill 3/16" clearance holes through each diagonal corner block req'd for fastening countertop. 50. Fasten countertop to pine boards. Verify screw length first. 51. Secure countertop to sink base 3/4" x 3/4" x10" blocking and miter joint blocking. Drill 1/8" pilot holes from underneath rails. 52. Re-install all doors and drawers. Use hinge adjustment screws to plumb and align the doors. <p align="center">Continued on next page</p>

Installing Bathroom Vanity	<p>53. Determine location from Plan. Drill 1" holes for water supply lines & a 2 1/2" hole for drain.</p> <p>54. Level & fasten to wall studs with 2 1/2" wafer head screws (or 1/4" x 3" winged toggle bolts if no studs)</p> <p>55. Dry fit countertop to determine if scribing & sanding are req'd. If so, see Section 17.7.1.3 & 4.</p> <p>56. Turn countertop over. Glue & screw 1" x 4" pine strips to underside, attach with 1 1/4" wafer head screws.</p> <p>57. Set countertop in place & fasten to cabinet same as kitchen countertop with 1 1/4" wafer head screws. Verify screw length first</p> <p>58. If a linen closet in bathroom, a notch in the proud edge of the cabinet stile was made to fit around the countertop (if req'd)</p> <p>59. Double check to fit. If not correct, remove more material.</p>
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Quality Points

Chapter 17 – Cabinets

- Cabinets have been inspected and any damage has been reported to the Construction Supervisor
- Vinyl floors have been protected with broken down cabinet shipping boxes
- Plywood support strip heights have been verified as correct prior to installation (if using)
- Support strips ends without studs have been installed with toggle bolts & bolt holes have been sealed with caulk (if using support strips)
- Upper cabinets have been installed 54" above the floor.
- Cabinet stiles are flush, and cabinets are level across top and front
- Cabinets are installed level across the top front and sides are plumb.
- Sink base is centered under window. Cabinets are located according to Plan and upper and base cabinet ends are aligned plumb.
- Base cabinets adjacent range and refrigerator are flush with upper cabinets
- Base cabinet ends are flush with upper cabinets.
- Holes have been cut out of sink unit and vanity for drain and water lines. Electrical box cut out on back of sink base.
- Clearance for range (30 1/8") has been verified @ front & back
- End cap stiles are plumb to the upper cabinet stile.
- Range hood vent extension screws have been removed and the extension resecured to hood with flashing tape.
- Cut edges of sheetrock and range plenum are sealed with flashing tape.
- Weatherstripping between the wall and back of range hood is installed and checked to ensure seal is not leaking
- 2 x 4 x 26" countertop corner supports have been installed
- Countertop length has been checked with a level to ensure end of countertop is flush with upper cabinet
- Countertop spline has been glued and pieces reassembled tight with top corner surfaces flush
- Kitchen and vanity countertops have been dry fitted to the wall, fit assessed for gaps, and sanded if required
- If there is a standalone cabinet at one end of the countertop, it is fastened with a cleat
- Toe kicks are installed and if there is a cabinet in a future dishwasher location, toe kick is butt-spliced for easy future removal
- 1/4 x 1" pine strip has been added where dishwasher (or future dishwasher) has been installed behind countertop lip
- A 1 x 4 x ~ 10" pine has been ripped to 3/4" square and glued and clamped to the front edge of the sink base
- A pair of 1 x 2 x 12" pine boards have been glued and clamped behind the countertop lip on each side of the miter joint
- No blocking exists inside of sink cabinet
- Countertop has been secured to base cabinets
- Bathroom vanity location verified by Cabinet Plan.
- Vanity has been leveled and fastened to the wall
- 1 x 4 pine mounting strips have been glued and screwed to underside of vanity
- Countertop has been secured to vanity base cabinet
- Shelves, drawers and doors have been re-installed. Doors are plumb and aligned.