

## **CPC Habitat Team 4 Report      10/05/2008**

Saturday was another incredibly beautiful day. Our team was composed of Bill Hatcher (for his first time) Karen, myself and, thanks to his generosity of his time, Tim Cassel from Team 5 (our special thanks to Tim). And I also must add what a great contribution both Tim and Bill were in just thinking through on construction issues as we go along. As we construct these homes, hundreds of decisions have to be made, and while we clear these decisions with our Habitat house leader, good thinking saves us time and effort down the line. So thanks to everyone on **all** the teams for good thinking as we go along. We ended the day a little early (for us) at 3:30 as we had to get to a wedding. It was a great day and we got a lot accomplished.

And David has been excellent in supporting us in every way. It has been unprecedented.

### **Accomplishments:**

- Framed and installed the rest of the first floor wall studs and finished blocking them as well.
- Installed the rest of the second floor joists with crush blocks between them just past the stairs opening.
- Put in the stair opening at exactly 2' 10" X 9' 9" and hung joists off the stair opening.
- Finished chipping protruding brick to bring the wall frame into plumb.
- Glued and nailed the front foyer flooring.
- Framed the front wall, but didn't finalize as decisions still need to be made on attaching it to the doorway.

Removed piles of wet debris (plaster?)

Installed floor in entrance well.

Installed four 16 foot load bearing wall frames.

Installed 8 second floor joists.

### **Issues:**

#### **Issues Resolved:**

- As we're putting in the crush blocking, we need to be careful that we're not throwing off our 16" centers on the joists. This is important when we lay flooring so the seams are over the joists. We went back and checked and made an adjustment in the width of the crush blocks to bet the joists back on 16" centers (starting from the back of the house).
- We adjusted the stair opening size by 9" from the bluepring specs due to our lowering the ceiling from the plans (requiring one less step). The length of the opening is now 9' 9".
- We remeasured the upstairs blueprint plans against our house width to make sure the bath, tub, hallway and stairs will all work with the width of the stairway and then put the stair opening Joists in place at 2' 10" width.

### **Issues to be Resolved:**

- The front wall by the front door corner remains to be a problem as it must provide the support of the end of the joist above coming from the opposite wall AND a short double joist coming from the framed wall on the same side as the door. We had trouble fastening a 2x6 stud to the corner as the mortar in the brickwork is so poor. This is a critical issue as this stud will support not only the front upstairs joist, but also the next two front upstairs joists. We'll look at it on Tuesday and hope to have it resolved before Team 2 reports.
- The back wall was not framed due to the door and window needing to be raised. Dave said the back door block work will be done next week before Team 2 reports.
- The front of the house is not straight and when framing the front wall, we could not frame straight across or either the window depth would be crooked (in depth of the sill) or the front door would have different casing depths. We decided to frame the front wall straight with the window depth and then make a slight break in the wall right at the door so the door casings will also be the same depth. Visually, this should work since the slight break is right at the door. I am including this as an issue yet to be resolved as the front framing is not yet nailed in place. Team 5 can probably finish this before Team 2 gets there.
- We need to remember to overlap the top framing sill on all walls in the corners.
- We need to resolve how Habitat wants the front windows framed out as they are so close to the floor. This will require a discussion with several of the staff to make sure they are all in agreement before we start.
- We need to resolve "racking" issue on stud walls to everyone's satisfaction.

### **Next Steps:**

- Resolve the corner support structure for the front joist.
- Hang the front joist and short side joist.
- Install the rest of the second floor I-beam floor joists.
- Finish framing the front wall.
- Cut out first floor stair well (we didn't get to that)
- Build 2x4 safety rail over basement opening.
- Install second floor sub-flooring.
- Frame rear wall once new opening is finished.

### **Materials Needed for Next Time:**

- 2x4's for framing
- beam floor joists
- Flooring
- Glue
- Flooring nails

- Chalk line
- One or more circular saws will be needed, possibly to allow for separate framing teams.
- 4ft level
- Portable generator
- Air compressor
- 2 nail guns (one for floor panels)
- Radial arm saw with stand to cut floor joists
- Brooms
- Long extension cord
- 2 Eight foot stepladders

**TEAM 2: Get ready for next Saturday. Let Pete know your availability and read Dan's Thursday report before you go.** I will be on my way to Seattle with my Daughter and will return on the 15th.

Finally, David has been excellent in getting us equipment and materials. He knows exactly where we are at in the project and pretty much knows all the materials and equipment that we need. Anything he has missed, he gets it for us pronto. What a guy.

Thanks again to everyone. You are a great team and we are making great progress (We still don't know the future homeowner).  
Dean

