

I called Bo this Thursday morning and he had tools and material ready to go when we arrived about 9:00. Our team was Dean Grothe, George Walgrove and Dan McQueen. We are using power from a house around the corner. We spent time resolving whether the roof cross beams would be hung or rest atop the knee wall, with the decision being the latter. The knee wall design depended on this decision. Also whether the 12 foot span cross beams would be 2x4s, 2x6s, 2x8s or 2x10s. The decision is 2x10s which also affects the knee wall design. We installed the 2nd top plate on all the 2nd floor framing and added to the front wall framing. We installed a temporary plywood sheet on top of the framing over the stair well hole to facilitate working on the roof. We laid out the roof line on the left (exterior) and right (interior) walls with a 5° down slope from front to back. We framed and installed about a 12 foot knee wall section on the left and the right walls starting at the front of the house. We framed and installed an 8 foot knee wall section on the left and the right walls. There was about a 3/8" discrepancy on the right wall which changed the roof line. We had to remove the top plate and shorten the studs to correct this problem. We installed the 2nd top plate on the knee walls tying the sections together. We framed two 8 foot knee wall sections but did not install them due to time. We quit at 4:30.

Accomplishments:

- Installed 2nd top plate on all 2nd floor wall frames.
- Augmented front wall framing on 2nd floor.
- Framed and installed two 12 foot knee wall frames at front of 2nd floor.
- Framed and installed two 8 foot knee wall frames.
- Installed 2nd top plate tying knee wall sections together.
- Framed two 8 foot knee wall frames.

Issues Resolved:

- Knee wall design.
- Roof design.

Issues to be Resolved:

- How to frame 1st floor front wall.

Next Steps:

- Finish 2nd floor knee walls.
- Install 12 foot 2x6 sill plate on top of rear wall.
- Install 12 foot 2x10 roof cross beams on 24" centers on top of knee walls
- Install end blocks between cross beams
- Install 8 foot 2x8 roof vertical beams on 24" centers on rear wall
- Install roof plywood

Materials Needed for Next Time:

- One 12 foot 2x6 sill plate
- About 18 12 foot 2x10 roof cross beams (4 to cut for end blocks)
- About 8 12 foot 2x8 roof vertical beams
- 6 beam hangers.
- 4ft level
- Air compressor
- 2 nail guns
- Radial arm saw with stand to cut roof cross beams
- Brooms (2 on site)
- Long extension cords
- Eight foot stepladder (on site)
- Two 10 foot ladder (on site)

Final Comments:

- Call Dave an hour before arriving so your materials and tools are ready.
- Remember to take photos for report.



