

Building the Best House Ever

- Is each wall section built correctly? Are fire blocks bowing the end studs or any openings?
- Did you remember that the California Corners go on the inside of the house?
- Are the door and window dimensions correct?
- When you stand the walls, are they straight and plumb?
- Did you remember to brace EVERY wall section from the bottom plate to a corner?
- Is your roof straight and square? Double check the 12' boards for exact length.
- Did you remember to put in bird blocks?
- Is the plywood on the roof staggered with the letters facing down?
- When you paper the roof sections did you remember to start at the bottom and work up?
- Is the door installed? It's easier to install the door before the house gets wired.
- Remember to tar the top edge of the gravel paper.
- Make sure the bailing wire nails are set every 5" apart on the end studs of each wall section.
- Did you remove the kinks from the bailing wire when you did the rough stretching.
- Are any gaps in the bailing wire larger than 5"?
- Remember, ALL of the wire needs to be tight before you start the tar paper.
- Remember to start the tar paper at the bottom of the house and work your way up.
- Are you following the order and technique to do chicken wire as stated in the house building manual?

iAcabado!



Everything in this brochure is also listed in the *Amor House Building Manual* — Use this as a quick guide to double check the different aspects of the building process. If any questions do arise—ask your Amor Ministries Team Member.



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SITE FOREMAN'S GUIDE

To Keeping Your Team Involved

The first day you get to the worksite, workers are eager to begin. Unfortunately, there will be some down time while the foundation is being prepared for pouring cement. Here are a few tips on how to involve everyone and keep all your workers motivated during this time. The dimensions and quantities listed are for an 11' x 22' single wide house! Consult your Amor team members for changes if your house is not 11'x 22'.



FIRST DAY AT THE WORKSITE.

Meeting the family your team is serving is the most important thing you can do. Take a few minutes to introduce your group. This will set an attitude of serving and sharing Christ's love which is what building this home is all about.

FIRST STEPS

Divide up your team to accomplish the steps outlined below.

Home Location

Determine these key facts from the family about their new home.

- Where the home should be built
- Pitch direction of the roof
- Location of doors and windows
- Confirm families water source (Tambo or faucet) for construction

Build Manual Reference – Phase 1, step 1a & 1b

Suggested Team Members – 2

Wood Sorting

Select the best 2x4s for specific portions of the home build. 2x4s should have 4 corners, no big knots and minimal warping. **This is for a 11x22 house only.**

- 18, 12 ft., mark for roof panel construction
- 6, 12 ft. and 2, 8 ft., mark for slab forms

Build Manual Reference – Phase 1, step 3

- 60, 8 ft., mark for vertical studs

Build Manual Reference – Phase 2a, step 1

Suggested Team Members – 2 to 6

Form Stakes

Make stakes for the slab form out of an 8' 2x4 if your team did not bring stakes.

- 18 stakes

Pad and Slab Prep

Prepare the area for the slab to be poured.

- Level the pad area removing rocks or uneven ground to ensure a consistent slab thickness, between 3" and 4".

- Build the slab forms

Build Manual Reference – Phase 1, step 1, 2 and 3

Suggested Team Members – 6

ADDITIONAL JOBS

If your team size is large enough to accomplish the "First Steps" and you have extra hands, here are a few more tasks to assign to your team.

- Cut 14 roof panel 2x4s to 11'9"

Build Manual Reference – Phase 2, step 6

- Cut 8 – 2x4s to 11'

- Cut 3 – 2x4s to 10' 5"

- Cut 3 – 2x4s to 10' 5 5/8"

- Cut 21 – 2x4s to 7'

- Cut 1 sheet 4'x8' plywood to 4'x4'

Build Manual Reference – Phase 2a, step 2a and 4

Suggested Team Members – 3 to 9

If you finish the cutting before you finish the forms, start assembling the roof sections and walls in teams of 3-5.

Build Manual Reference – Phase 2a

Mix and Pour

When cement is ready to be poured, everyone's focus should turn toward pouring the cement. Have everyone gather whatever materials they've been working on, set them aside in an organized place, and begin to help with pouring the cement. A great goal is to have the slab finished by the end of the day, but it's not absolutely necessary.

Concrete Mixing Ratio 15:3

- 5 round shovels of sand and gravel

- 1 round shovel of cement

- 1/2 handful high tech fiber

Build Manual Reference – Phase 1, step 6 and 7

Suggested Team Members –

2 to 3 for shoveling material

2 to provide water

6 for concrete mixing

2 for tamping, screeding and placing mud sil anchors

Very Important!

Tamp and Scream

This is a full time job, swap workers if necessary but don't stop.

Build Manual Reference – Phase 1, step 7a

Suggested Team Members – 2

Concrete Finishing

All surface water should have dried after screeding is complete before finishing.

- Install mud sill anchors

Build Manual Reference – Phase 1, step 7c

Suggested Team Members – 1

- Wait 20-30 minutes after tamp and screed

- Finish with round cement trowl

Finishing the Walls

- Attach tar paper to all walls

Build Manual Reference – Phase 2b, step 14

Suggested Team Members – 4

- Start chicken wire nails on top and bottom plate

Build Manual Reference – Phase 2a, step 15

Suggested Team Members – 1 to 3

- Attach and stretch chicken wire on walls

Build Manual Reference – Phase 2a, step 15

Suggested Team Members – 2 to 4

- Finish window installation

Build Manual Reference – Phase 2b, step 16

Suggested Team Members – 2

Stucco Finish

- Finish sifting material

Build Manual Reference – Phase 3, step 1

Suggested Team Members – 3 to 4

- Stucco mixing

Build Manual Reference – Phase 3, step 2

Suggested Team Members – 4

- Stucco application

Build Manual Reference – Phase 3, step 3

Suggested Team Members – 3 to 4

Stucco Tips

Before you start stuccoing, check to make sure you have finished all of the nailing on every other aspect of the building process.

Is your stucco ratio 14 (12 for the second coat) full shovels of sifted sand to a half bag of cement?