

CNBT 1411 CONSTRUCTION METHODS & MATERIALS

BASIC STEPS TO BUILDING LAYOUT

Setback dimensions, foundation width and length, diagonal measurement and property lines should be determined before proceeding.

1. Using setback dimensions, double chain to locate and mark first corner on the ground.
2. Using setback dimensions and appropriate outside dimension of the foundation, double chain to locate and mark second corner. (You have just established the baseline.)
3. Using the baseline dimension and the diagonal dimension of the rectangle foundation, double chain to locate and mark a third corner, perpendicular to the baseline.
4. Using the appropriate foundation dimensions, double chain and mark the fourth corner. (The four corners established in steps 1-4 are *estimated* corners)
5. Determine the corner of highest elevation using a builders level.
6. Drive 3 stakes around the outside of each estimated corner.
7. Mark the height of the foundation on a stake driven around the corner of highest elevation.
8. Establish a point on the remaining stakes level with the mark on the first stake.
9. Attach the ledger boards to the stakes on all four corners.
10. Attach a stringline to the ledger boards directly plumb above the first two corners.
11. Using a carpenters level, plumb up from the first corner to establish a mark on the stringline.
12. Establish the second corner on the stringline by measuring, and mark the string.
13. Attach a stringline parallel to the first stringline by tying the string to adjustable line blocks and hooking them over the appropriate ledger boards.
14. Once the stringline has been adjusted to the appropriate foundation dimension, attach the string permanently to the ledger board.
15. Establish and mark a third corner on the second stringline by pulling the diagonal foundation measurement from the first corner to the second stringline.
16. Establish and mark the fourth corner on the second stringline by measuring the appropriate foundation dimension from the third corner.
17. Attach the remaining two stringlines to the ledger boards perpendicular to the first two stringlines.
18. Check both diagonal measurements for accuracy.