

PROCEDURE FOR DRAWING A BASEMENT PLAN

The following steps should help to clarify the procedure

1. Select the proper scale to be used. (Generally same as floor plan)
2. Trace exterior wall of floor plan (place new sheet above)
3. Draw the footings for the foundation walls, chimney, and columns. - Ensure stepped footings are located
4. Locate and draw the beam and supports or bearing wall partition(s)
 - Use charts from NATIONAL BUILDING CODE and calculate support requirements for 2x10 @ 16"o.c. and 4-2x10 built-up beam
 - ADD THE FOLLOWING INFORMATION TO THE NOTE SECTION OF THE DRAWING - MAXIMUM JOIST SUPPORTED _____ mm
- MAXIMUM COLUMN SPACING _____ mm
5. Design the room layout in the basement area and darken in the lines
6. Indicate breaks in the basement walls where windows or doors are to be located
7. Locate and draw the stairs leading to the basement
8. Show size, spacing, and directions of floor joists or trusses using the standard symbol
9. Identify the location of sections required to provide additional information about the basement construction
10. Draw the necessary sections and insert dimensions
11. Locate and draw permanent bath fixtures such as water closet, tub, and lavatory. Also, locate the furnace, hot water heater, water storage tank, water softener, sump, and floor drain. (All of these may not be necessary.)
12. Determine the location of dimensions needed to show all features. Dimension interior frame walls to the center of the walls. Do not dimension to the center of foundation walls
13. Draw the dimension lines and add the required dimensions
14. Letter any necessary notes
15. Show electrical switches, outlets, and fixtures if no basement electrical plan is intended for the structure
16. Shade the foundation walls with the proper symbol
17. Add the title block, scale, and name of drawing in the proper location
18. Check the drawing to be sure you have included all necessary information