

House Design Project

Challenge:

As a designer your challenge is to design the perfect home for your client (preliminary drawings only). The design must reflect the wants and needs of the client as well as meet standard drafting and design practices.

Investigation:

1. Read the Basic House Design booklet and answer questions 1-14 on page 34.
2. Research 3 homes on the Internet and identify how they will and how they won't reflect the wants and needs of the client.

Sketch:

On a piece of graph paper, sketch "the perfect home" for your client (floor plan only). Remember the sketch must be based on the wants and needs of the client as well as basic home design principles.

Your sketch must include the following items:

- To scale, 1 square = 2 feet
- Walls, windows and doors (double line)
- Includes cupboards, tubs, toilets, sinks, fridge, stove, closets, washer, dryer, fireplace and stairs.
- Room names and sizes
- Total length and width of home (dimension).
- Total square footage (note).
- Border and title block showing date, title, name and scale.

AutoCAD Drawing:

Based on your design sketch, create preliminary drawings (floor plan, front elevation and roof layout) and a drawing showing the 4 elevations.

Your preliminary drawings must include the following items:

- To scale
- Walls, windows and doors (double line)
- Includes cupboards, tubs, toilets, sinks, fridge, stove, closets, washer, dryer, fireplace and stairs.
- Hatching (walls, tile, shingles and siding)
- Room names and sizes
- Total length and width of home.
- Total square footage.
- Grade line.
- Top of foundation wall.
- Soffit and fascia.
- Decorative boarder and clients' name.

Evaluation:

Your project will be marked using the following criteria:

Investigation:

- Basic House Design questions /20
- Internet research /15

Sketch: 30 Marks

- Neatness /5
- Completeness (Includes required items) /10
- Accuracy (Meets client profile) /15

AutoCAD Drawings: 75 Marks

- Completeness (Includes required items) /20
- Floor Plan (Meets client profile) /15
(Drafting and design principles) /15
- 4 Elevations (Matches floor plan and design principles) /20
- Roof Layout /5