

Cabin House Floor Plan Worksheet

Tasks

Goal: Design 30'-0" x 30'-0" (900 Square Foot) Cabin

Rough Sketch Floor Plan Ideas (initial idea must be initialed before going to the next step)

The Cabin should include:

1. Two Bedrooms with Closet.
 - a. Closet should have 2'-0" of floor space from front to back to hang up clothing.
 - b. Center of Wall to Center of Wall should measure min. 2'-6"
 - c. Bedrooms min. of 10'-0" x 10'-0" Floor Space
2. Kitchen
 - a. Base cabinets on standard sizes (3" Increments starting at 9")
 - b. Use reference guides for cabinet sizes and heights from project 0
3. Living Space
4. Closet to hold Washer and Dryer.
 - a. Washer and Dryer are 2'-0" square with min 6" Space on all four sides
 - b. Maybe stackable
5. Doors
 - a. Two Exterior Doors (min.): Size 36"
 - b. Interior Hinge Doors: 24", 27" or 30"
6. Mechanical Closet
 - a. Water Heater (2'-0" Dia.)
 - b. Furnace (2'-0" x 1'-4")
 - c. Space around each object min. 8"
7. Coat Closet
 - a. Center of Wall to Center of Wall should measure min. 2'-6"
8. Full Bathroom
 - a. Minimum 8'-0" x 5'-0" Floor Space
 - b. Vanity- H30" x D21" L minimum 30"
 - c. Tub- L60" x H19" x D 30"
 - d. Toilet- WC LT

Steps

- 1. Fill out Worksheet while sketching**
- 2. Sketch a rough layout to scale**
- 3. Show teacher for approval before moving to the CAD software**
- 4. Design the Model**
- 5. Layout on Boarder and Title Block**

1. Floor Plan

- a. Dimensions
- b. Labels
 - i. Room
 - ii. Door
 - iii. Window
 - iv. Interior Elevation Marker
- c. Kitchen
 - i. Work Triangle
- d. Schedules: Door and Window

2. Exterior Elevations w/ Roof

- a. Total 4: Front, Back, Right, Left
- b. Materials represented (I.E Siding/Brick, Shingle, ETC.)

3. Interior Elevations

- a. Kitchen
 - i. Floor Plan View of Kitchen
 - ii. # of Elevations needed to define room
- b. Bath(s)
 - i. Floor Plan View of Bathroom
 - ii. # of Elevations needed to define room

4. Pictorial View of the Cabin

1. Overall Size- Max. 900 sq. ft.

- Wall Height 8'0"
- Exterior Wall Thickness: 6 "
- Interior Wall Thickness: 6"
- Hallways and Archways minimum walkway space 3'0"

2. Rooms

Sleeping Zone

- a. Bedroom 1 Size- _____ x _____ _____ SqFt.
-Closet Size _____ x _____ _____ SqFt.
- b. Bedroom 2 Size- _____ x _____ _____ SqFt.
-Closet Size _____ x _____ _____ SqFt.
- c. Main Bathroom- _____ x _____ _____ SqFt.
- Toilet- Use Default Settings in the Program: Use WC LT
 - Tub- Width 60" x Depth 30" X Height 15 ½"
 - Vanity Cabinet
 - o Depth- 18" or 21"
 - o Height 30"
 - o Width- Reference Textbook for standard sizes

Service Zone

- e. Kitchen Size- _____ x _____ _____ SqFt.
- Refrigerator Size- Width 36" x Depth 30" x Height 66"
 - Stove Size Width 30" x Depth 26" x Height 36"
 - Sink Size Standard Double Bowl Sink (Min. Sink Base 36")
 - Cabinets: Reference Text Book for Base and Wall Cabinet Sizes
- e. Dining/Eating Space Room _____ x _____ _____ SqFt.

Living Zone

- f. Living Room _____ x _____ _____ SqFt.
- g. Utility Room (Maybe placed in a closet) _____ x _____ _____ SqFt.
- Washing Machine Size- 2'0" x 2'0" x 3'11"
 - Clothes Dryer Size- 2'0" x 2'0" x 3'11"
 - Wash Basin- 2'0" x 2'0" x 3'11"
- h. Coat Closet _____ x _____ _____ SqFt.
- i. Other Closets (Optional)
- Closet 1 _____ x _____ _____ SqFt.
 - Closet 2 _____ x _____ _____ SqFt.

- Closet 3 _____ x _____ _____ SqFt.

j. Door and Window Sizes

- Front Door- 3'0" Wide
- Rear Door- Minimum 3'0" Wide
- Side Door (Optional)- 3'0"
- Interior Hinge Doors- Standard 2'0", 2'6", 3'0" Wide
 - o Minimum spacing from walls- 3"
- Closets Bi-Folds or Sliders Reference Text Book
- Sliding Door Wall Reference Text Book
- House Must have at least 2 Exterior Doors
- Windows Reference text for standard window sizes and heights

k. Miscellaneous Rooms (Optional)

Name	Size			
_____	_____	_____	x _____	_____ SqFt.
_____	_____	_____	x _____	_____ SqFt.
_____	_____	_____	x _____	_____ SqFt.
_____	_____	_____	x _____	_____ SqFt.
_____	_____	_____	x _____	_____ SqFt.
_____	_____	_____	x _____	_____ SqFt.

TYPICAL ROOM SIZES (dim. in ft)			
ROOM AREAS	SMALL	AVERAGE	LARGE
LIVING ROOM	12 x 18	16 x 20	22 x 28
DINING ROOM	10 x 12	12 x 15	15 x 18
KITCHEN	8 x 10	10 x 16	12 x 20
UTILITY ROOM	6 x 7	6 x 10	8 x 12
BEDROOM	10 x 10	12 x 12	14 x 16
BATHROOM	5 x 7	7 x 9	9 x 12
HALLS (width)	3'-0"	3'-6"	3'-9"
GARAGE	10 x 20	20 x 20	22 x 25
STORAGE WALL (depth)	6"	12"	18"
DEN	8 x 10	10 x 12	12 x 16
FAMILY ROOM	12 x 15	15 x 18	15 x 22
WARDROBE CLOSET	2 x 4	2 x 8	2 x 15
ONE ROD WALK-IN CLOSET	4 x 3	4 x 6	4 x 8
TWO ROD WALK-IN CLOSET	6 x 4	6 x 6	6 x 8
PORCH/DECK	6 x 8	8 x 12	12 x 20
ENTRY	6 x 6	8 x 10	8 x 15

TYPICAL WALK-IN AND WARDROBE CLOSETS AND BUILT-IN STORAGE

