BUILDING THE FUTURE IN 3D

DESIGNING AND BUILDING TINY HOMES

ARCHITECTURAL BLUEPRINT PACKET

Assembly Directions

Materials

Per Team Member
- 1 pencil
- 1 glue stick
- 1 pair of scissors
- 1 clear ruler

Per Team
- 1 package of crayons
- 1 package of thin markers

It is important that all members of the team participate in the activities listed below.

|		

1.	First, locate the components on pages 5-10 that your team wants to use for their floor plan.
	
	 • **Tips:**
	     ○ Items on the *Tiny House Extra Components* page (page 11) should only be used after the essential components have been added to the floor plan.
	     ○ The *Tiny House Components Design Page* (page 12) is provided in case there is an item your team cannot find on one of the *Tiny House Components* pages and you would like to design your own item.
	
	 Next, color each component.
	
	 Then, carefully cut out each component and place them onto the *Team's Final Floor Plan Blueprint* document (page 4).
		Tiny House Components
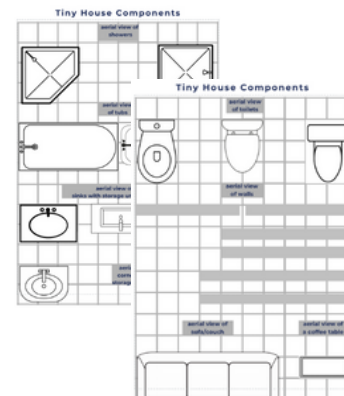		
		 Final Team Floor Plan
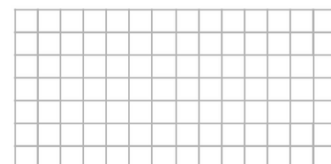
|		
	• **Tip:** During this step, do not glue components onto the floor plan. Leaving components free of glue will allow your team to move items around. Once your team decides upon the final placement of each item, glue them onto the *Team's Final Floor Plan Blueprint document* (page 13).	
2.	Using pages 15-21, cut out the floor plan, front side, back side, left-hand side, right-hand side, and roof templates. • Keep the land page as it is (page 21).	
4.	If your team decides you would like the front door to open, cut the top, bottom, and right-hand side of the door. Place the front, back, right-hand, and left-hand sides next to the appropriate locations on the floor plan. Then, glue each tab of the front, back, right-hand, and left-hand sides to the bottom of the floor plan (the side of the floor without the grid).	
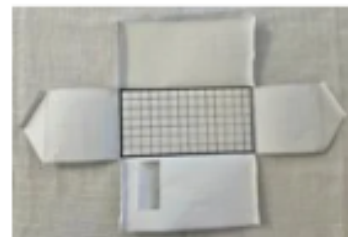
|		
5.	Design and color all exterior walls as your team deems appropriate. **Optional:** To give your tiny house a realistic feel, trace the windows on the interiors of each wall. Then, design and color the interior walls as your team deems appropriate.	
6.	Glue each side of the front, back, right-hand, and left-hand sides to one another. Then, glue the roof to the back, right-hand and left-hand sides of the house.	
7.	Take out the page titled "Land" (page 21). Flip over the house and add glue to the bottom. Place the tiny house onto the land. - **Tip**: Glue the tiny house toward the back of the land page, so your team has more space in the front of the tiny house to add components like stairs, storage solutions, and other yard items.	
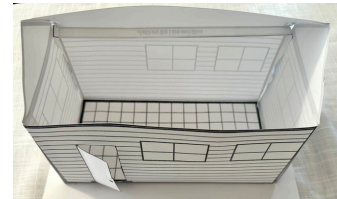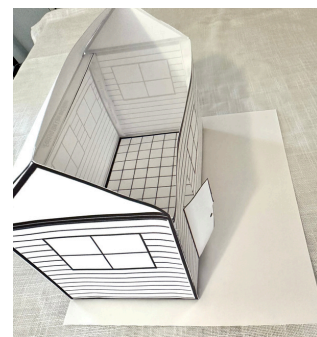
Tiny House Components

aerial view of showers
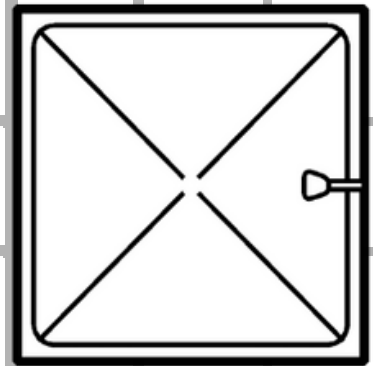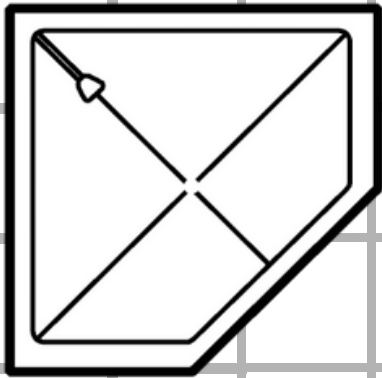
aerial view of tubs
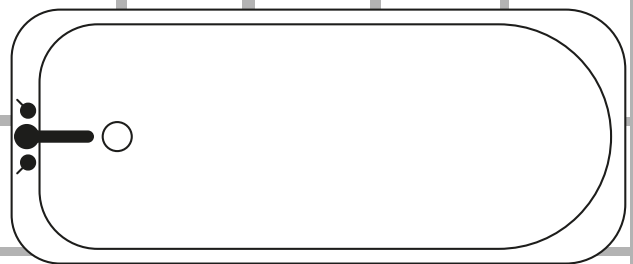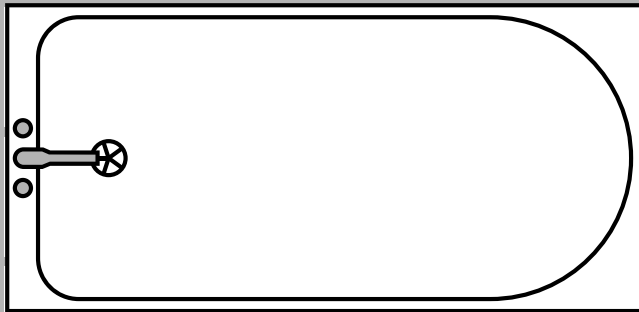
aerial view of sinks with storage underneath
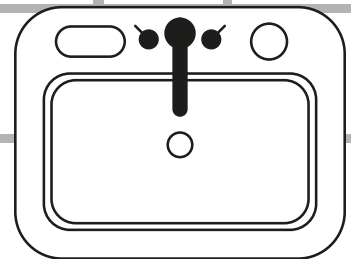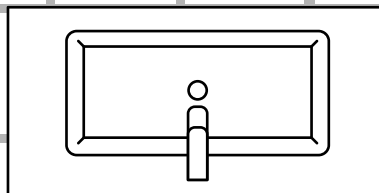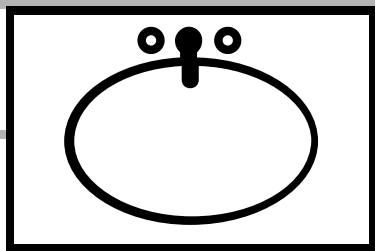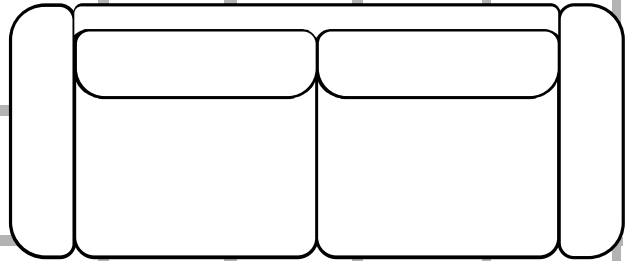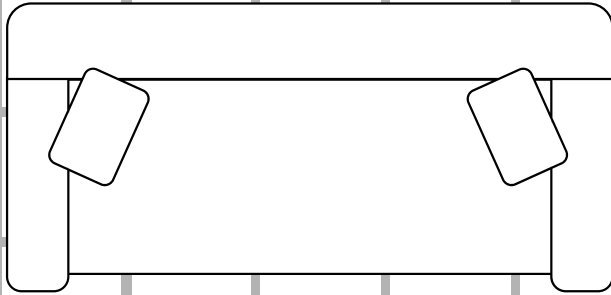
aerial view of a corner sink with storage underneath

Tiny House Components

aerial view
of toilets
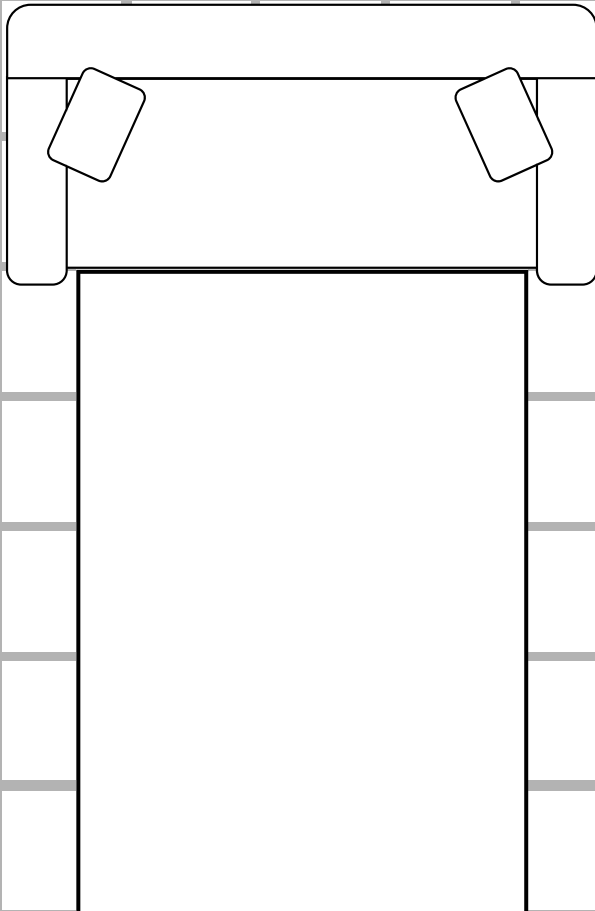
aerial view
of walls
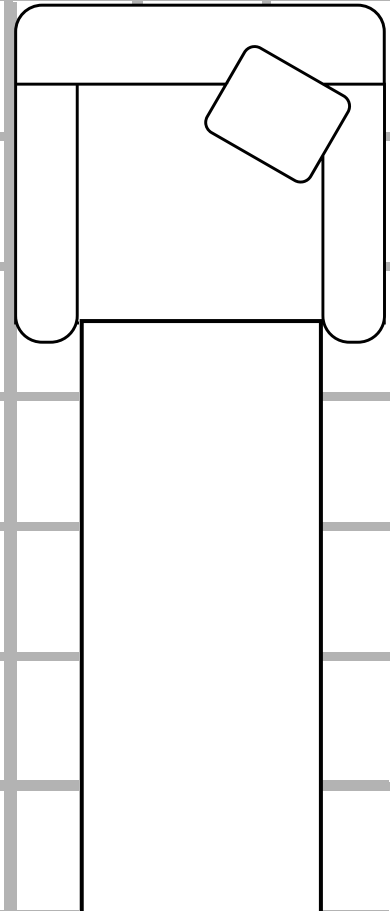
aerial view of
sofa/couch
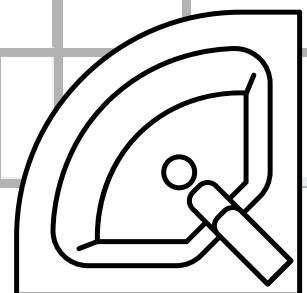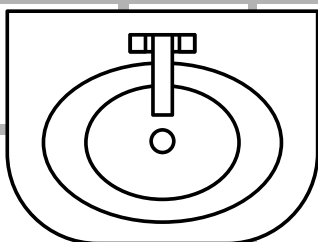
aerial view of
a coffee table
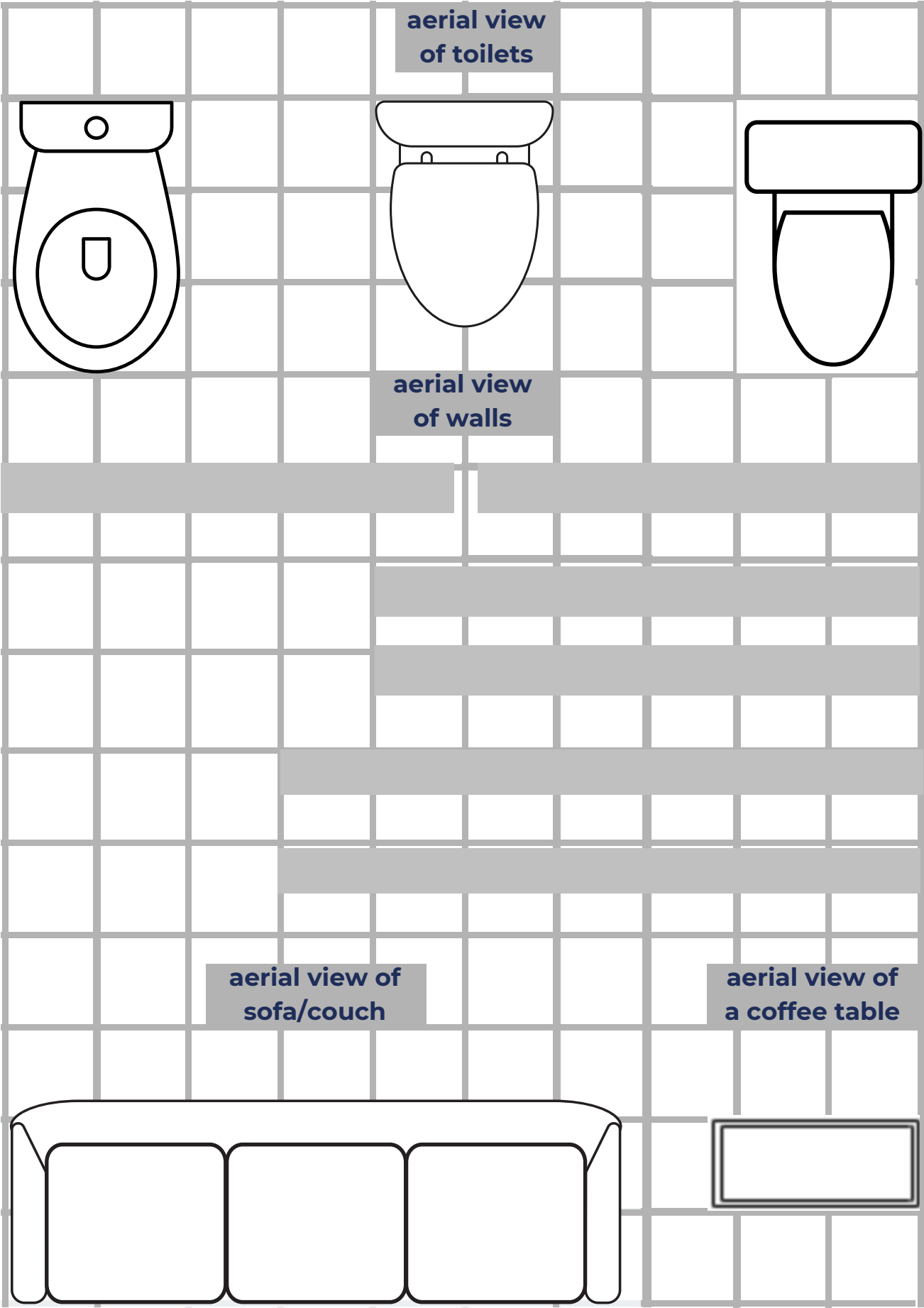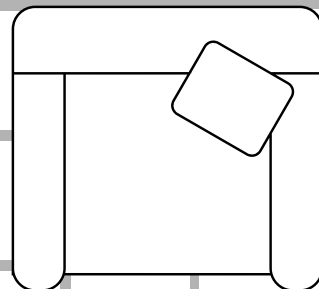
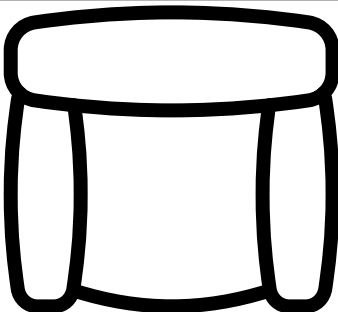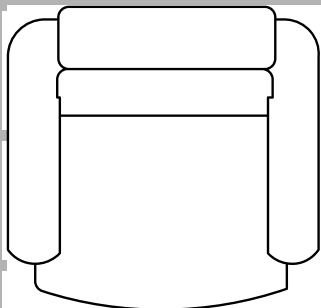# Tiny House Components

aerial view of love seat
sleeper with pull-out bed

aerial view of sleeper
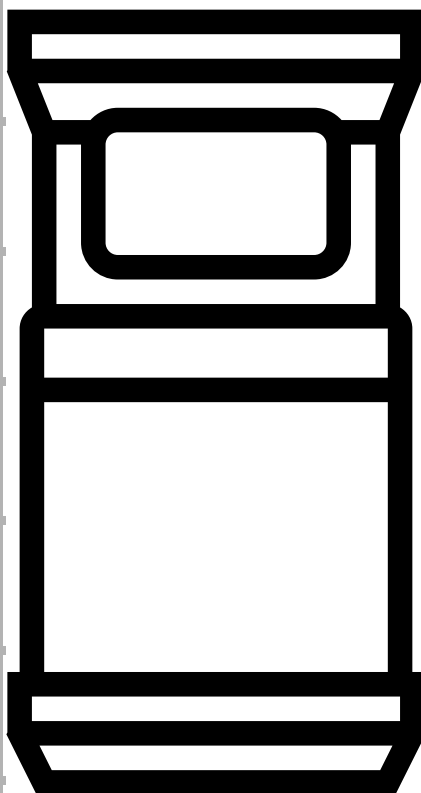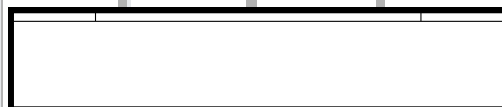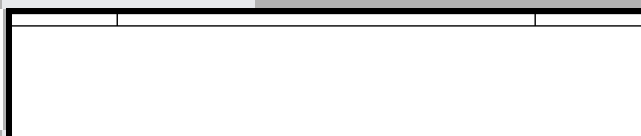chair with pull-out bed

Tiny House Components
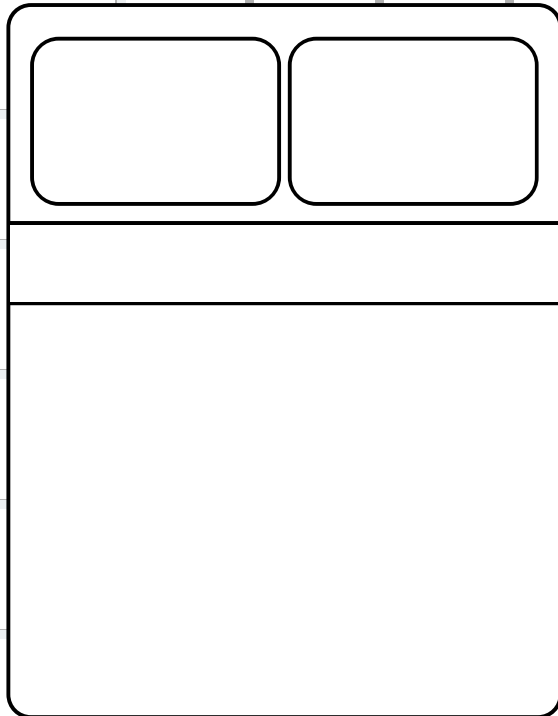
aerial view of chairs

aerial view of twin/single beds
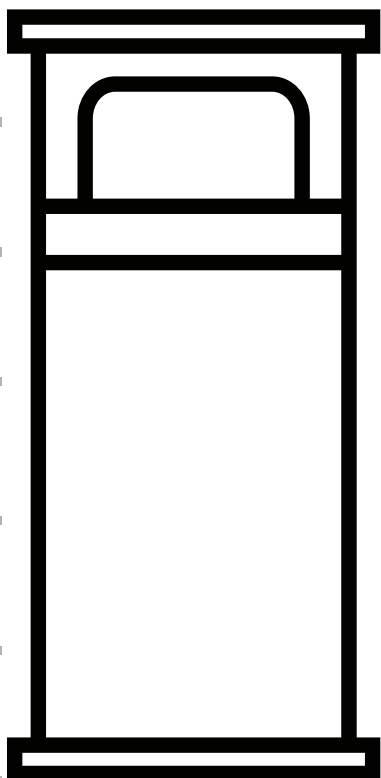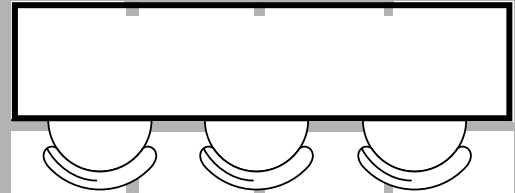
aerial view of tv stands with cabinets for storage
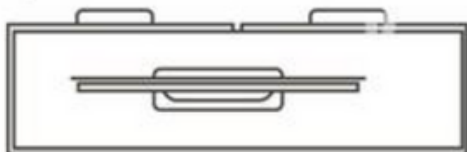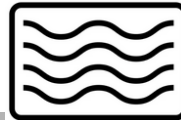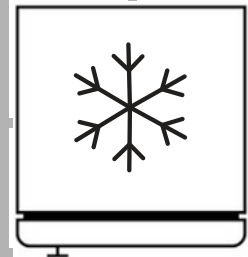
Tiny House Components

aerial view of full/double bed

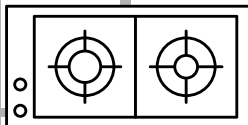**aerial view of counter with stools**
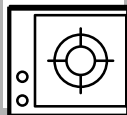
aerial view of microwave

aerial view of compact mini fridge with freezer
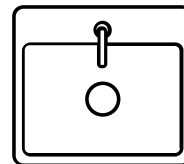
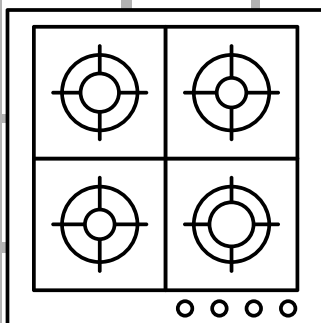**aerial view of two burner hot plate (no oven)**

aerial view of single burner hot plate (no oven)

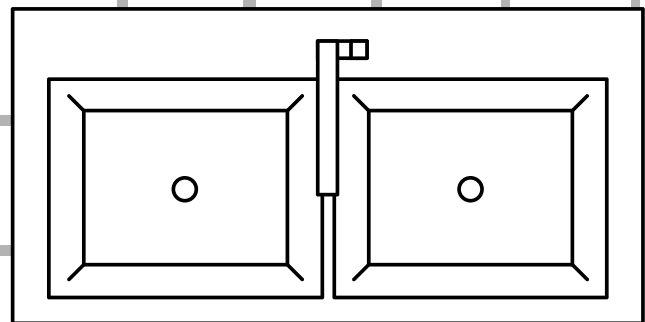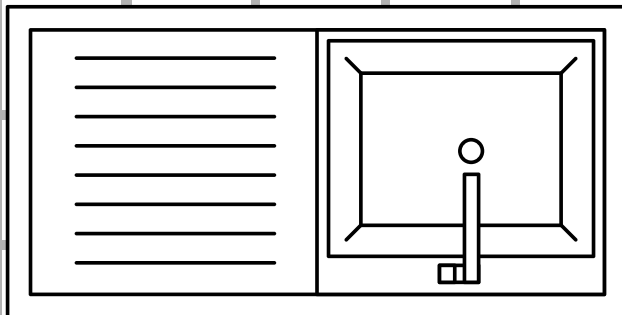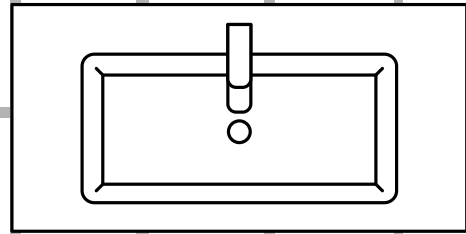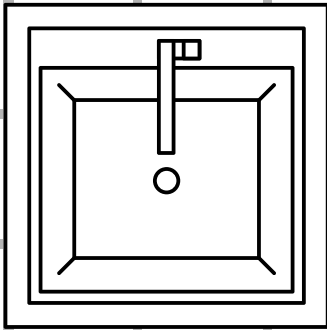**aerial view of kitchen sink with counter and storage underneath**

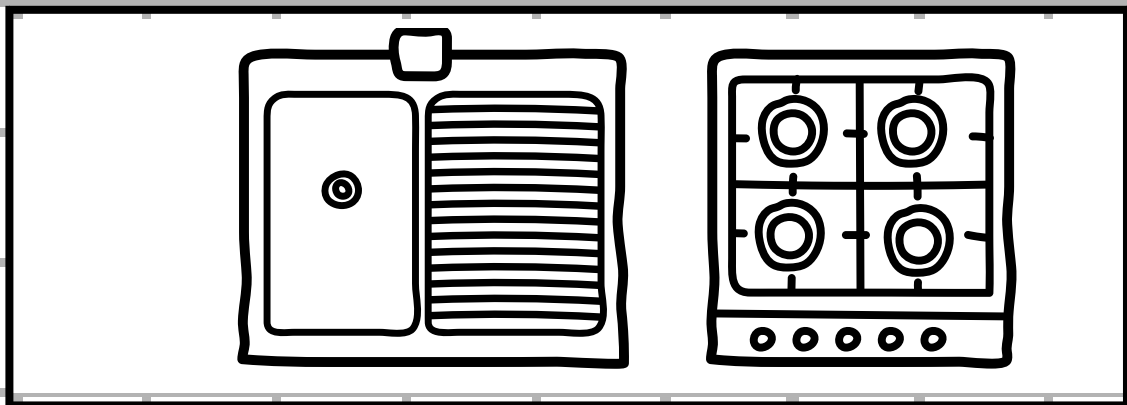**aerial view of four burner stove and an oven underneath**
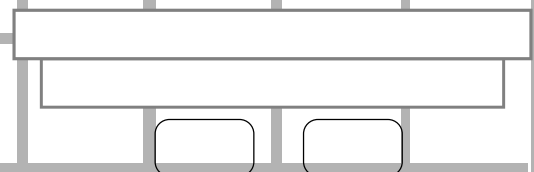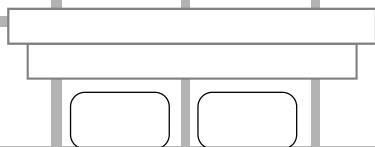
Tiny House Components

aerial view of
kitchen sinks

aerial view of kitchen sink with a four burner stove,
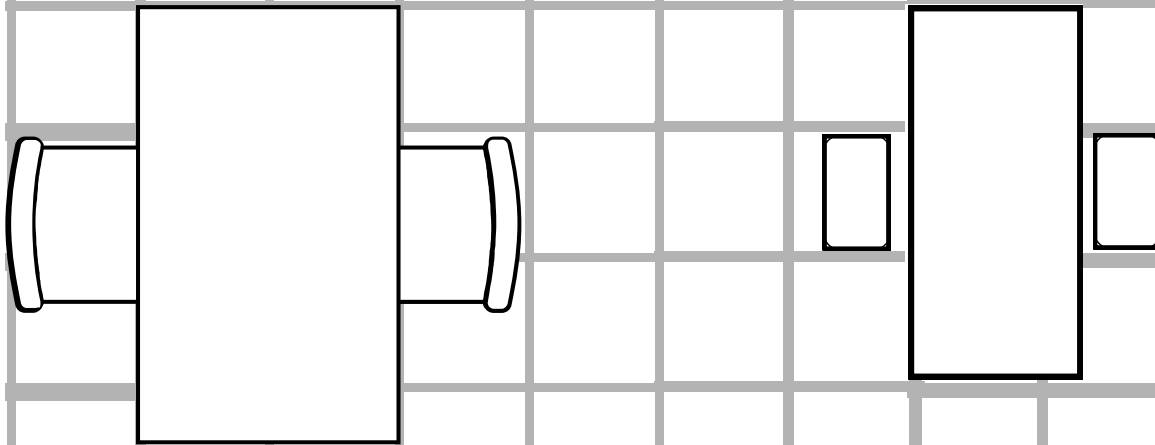oven, a counter, and storage underneath
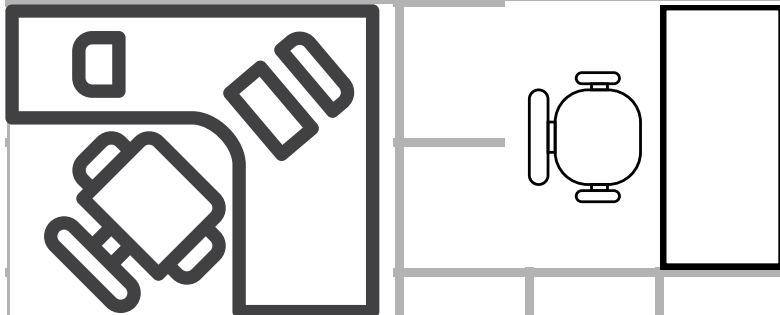
aerial view of counters with stools

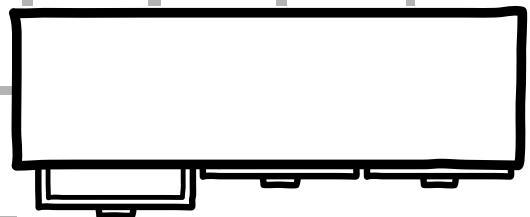# Tiny House Extra Components

aerial view of tables and chairs
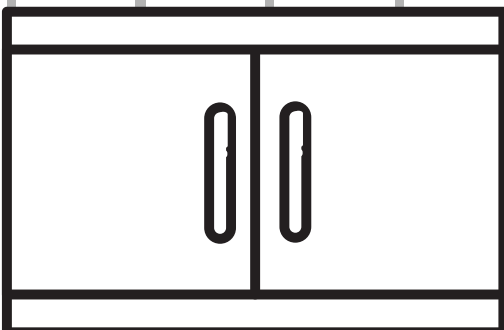
aerial view of desks and office chairs
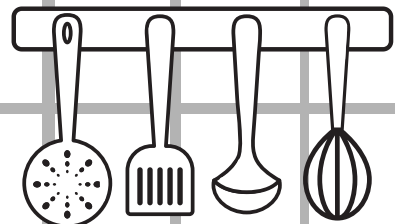
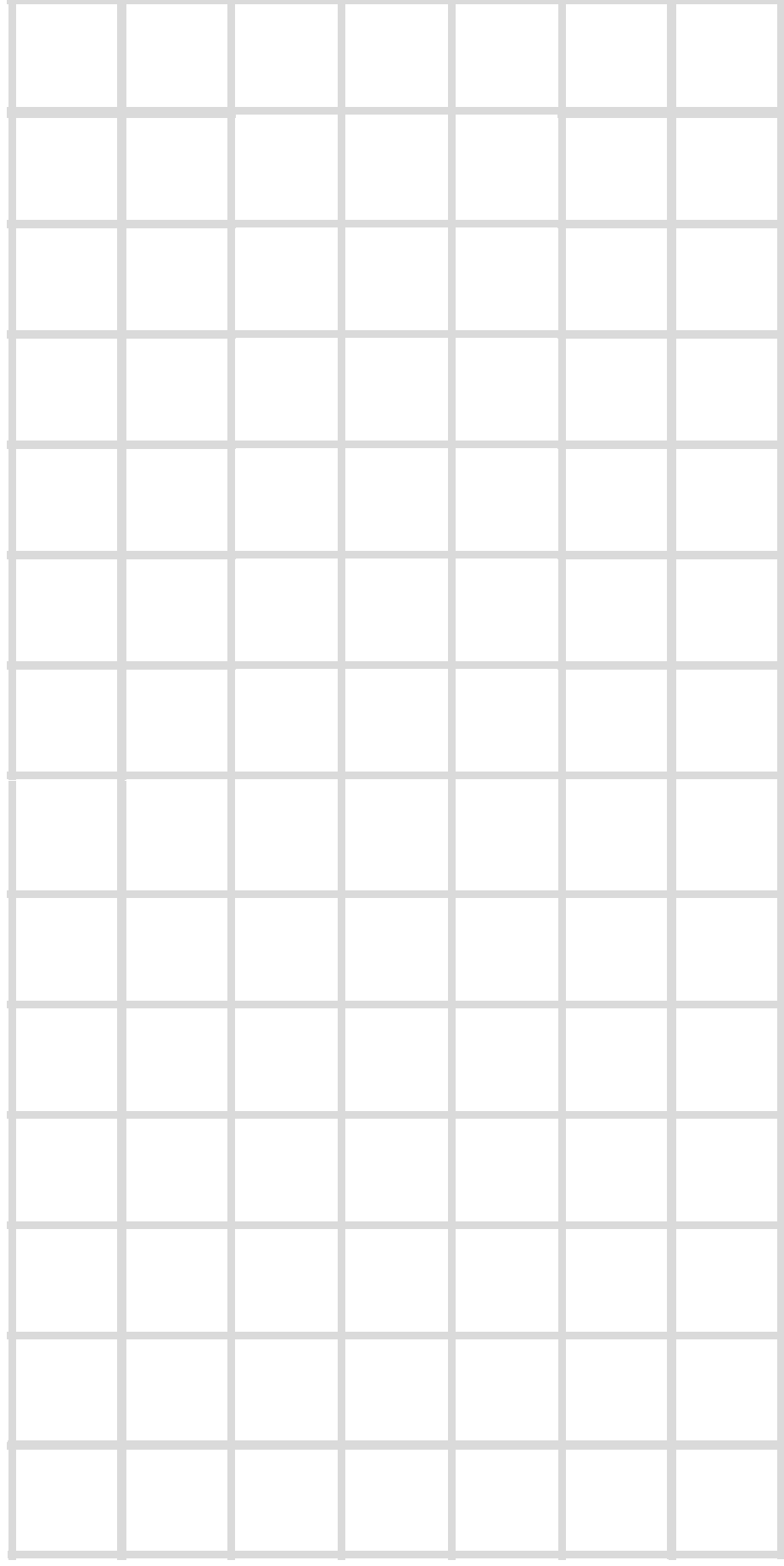towel racks

aerial view of a dresser with drawers

wall cabinet

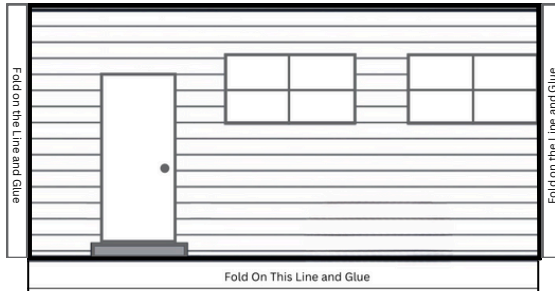aerial view of wall hanger for kitchen

Tiny House Components Design Page
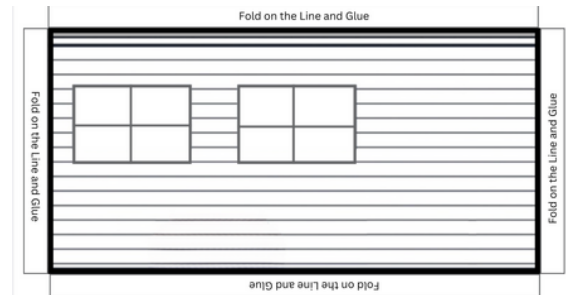
Final Team Floor Plan

Tiny House Building Templates

Front Side

Fold on the Line and Glue

Fold on the Line and Glue

Fold On This Line and Glue

Back Side

Fold on the Line and Glue

Fold on the Line and Glue

Fold on the Line and Glue

Fold on the Line and Glue

Left-Hand Side

Fold On This Line and Glue

Fold on the Line and Glue

Right-Hand Side

Fold on the Line and Glue

Fold on the Line and Glue

Roof
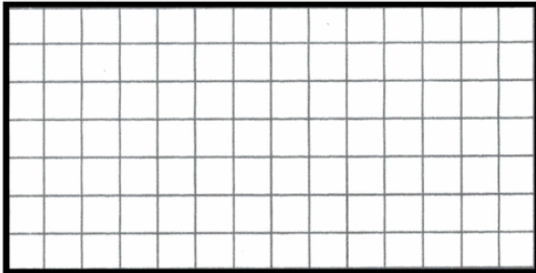
Fold on the Line and Glue
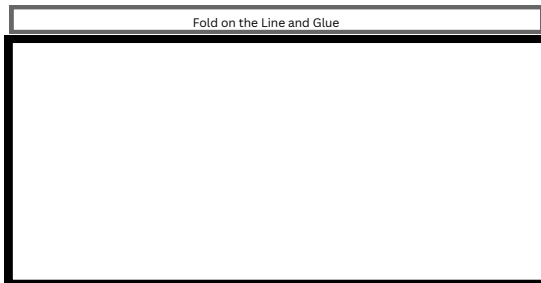
Land

Tiny House Rough Draft
Blueprint Templates
With Siding and Windows

Floor Plan

Roof

Fold on the Line and Glue

Front Side

Fold on the Line and Glue

Fold on the Line and Glue

Fold On This Line and Glue

Left Side

Fold On This Line and Glue

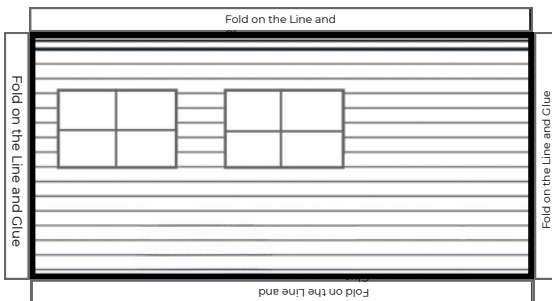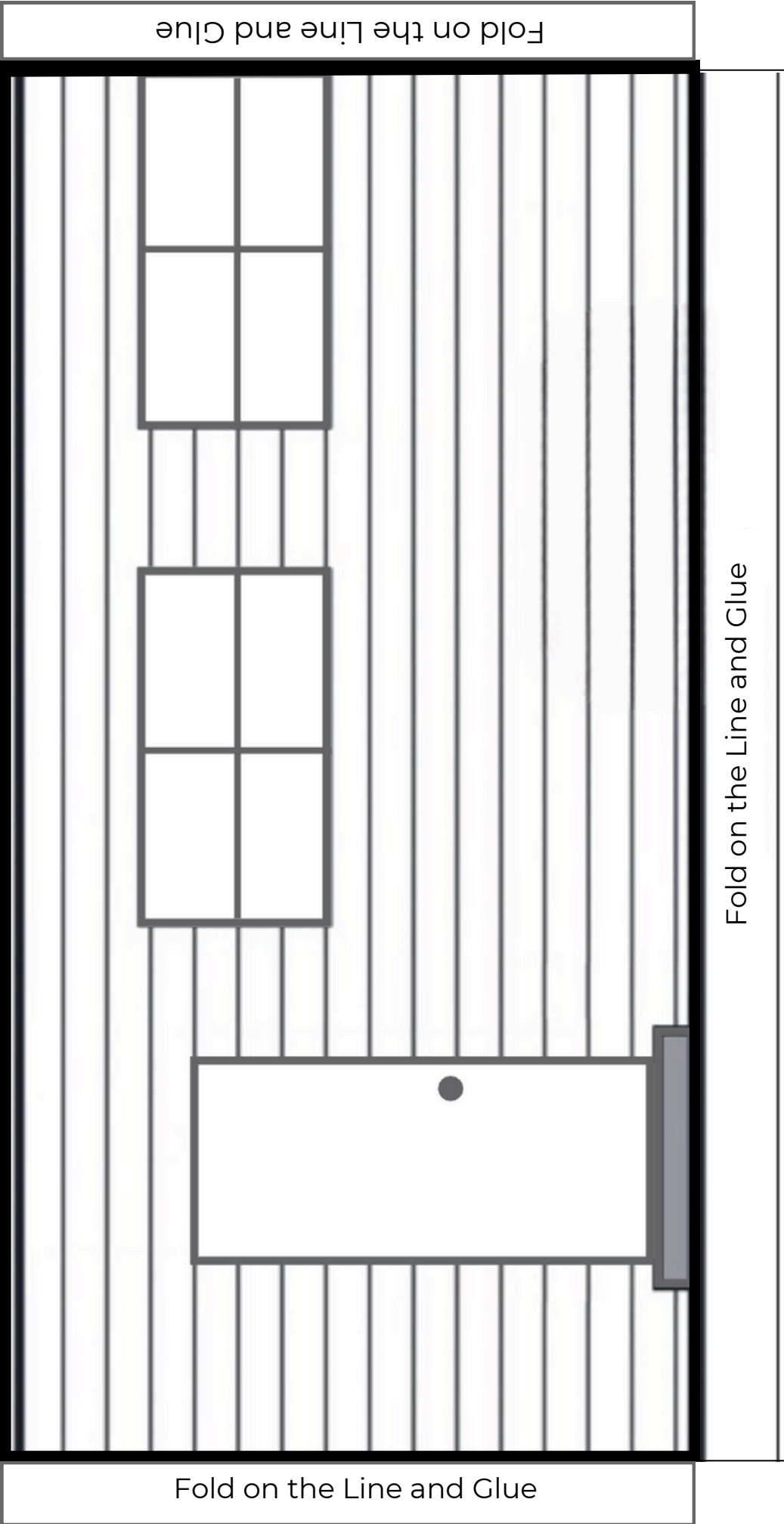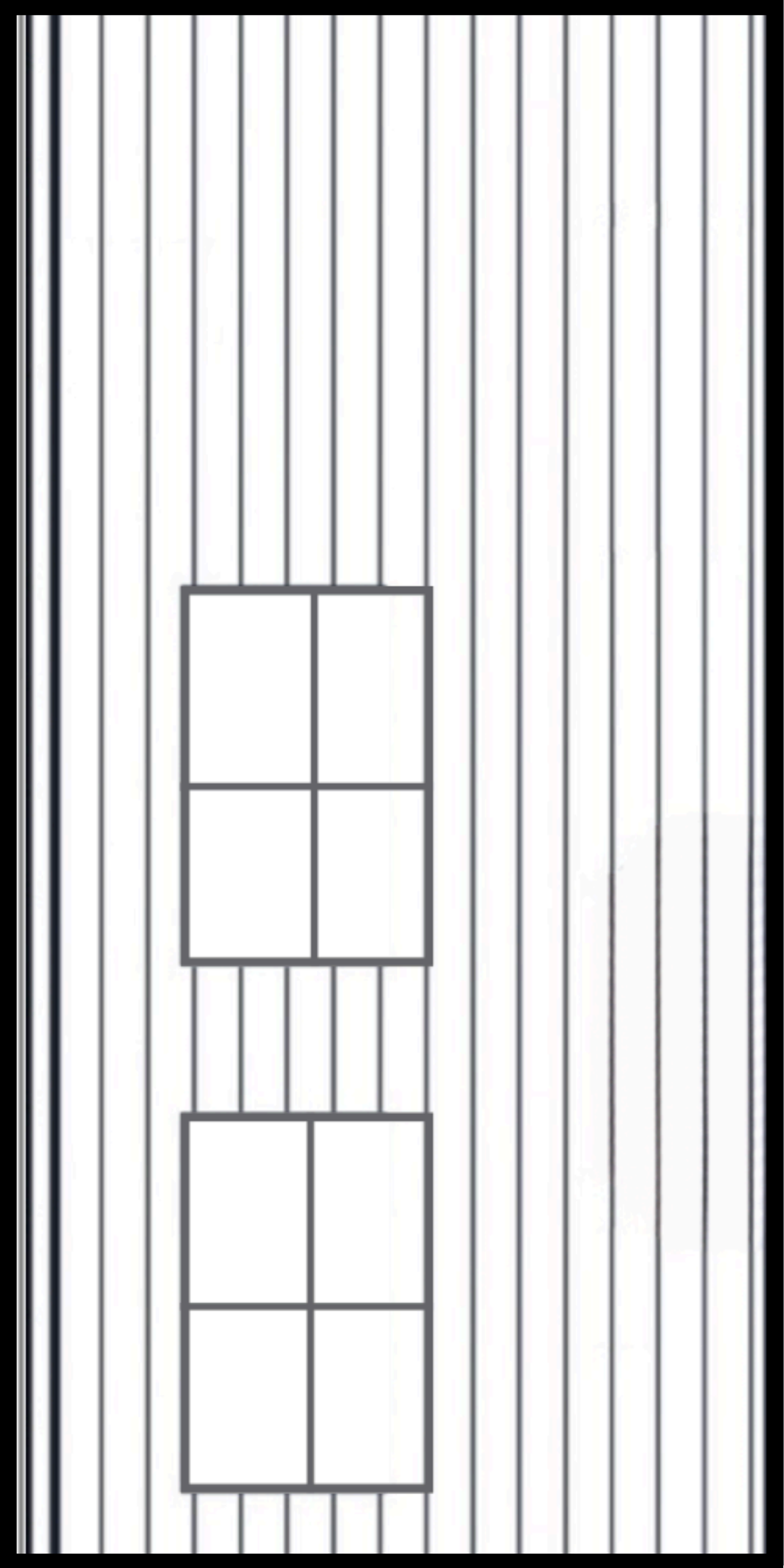Fold on the Line and Glue

Back Side

Fold on the Line and Glue

Fold on the Line and Glue

Fold on the Line and Glue

Fold on the Line and
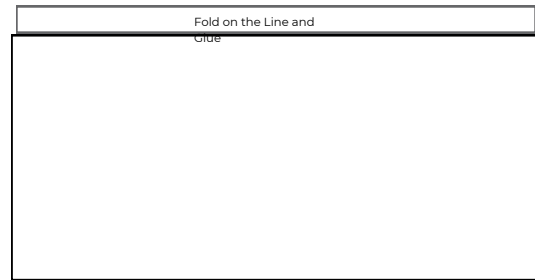
Right Side
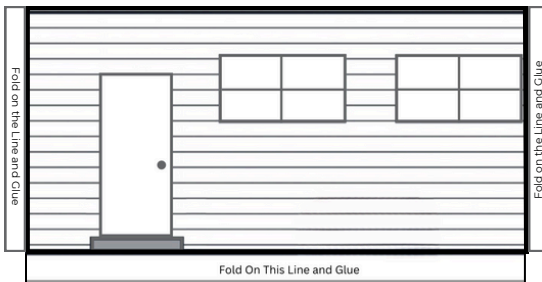
Fold on the Line and Glue

Fold on the Line and Glue

Land

Front Side

Back Side

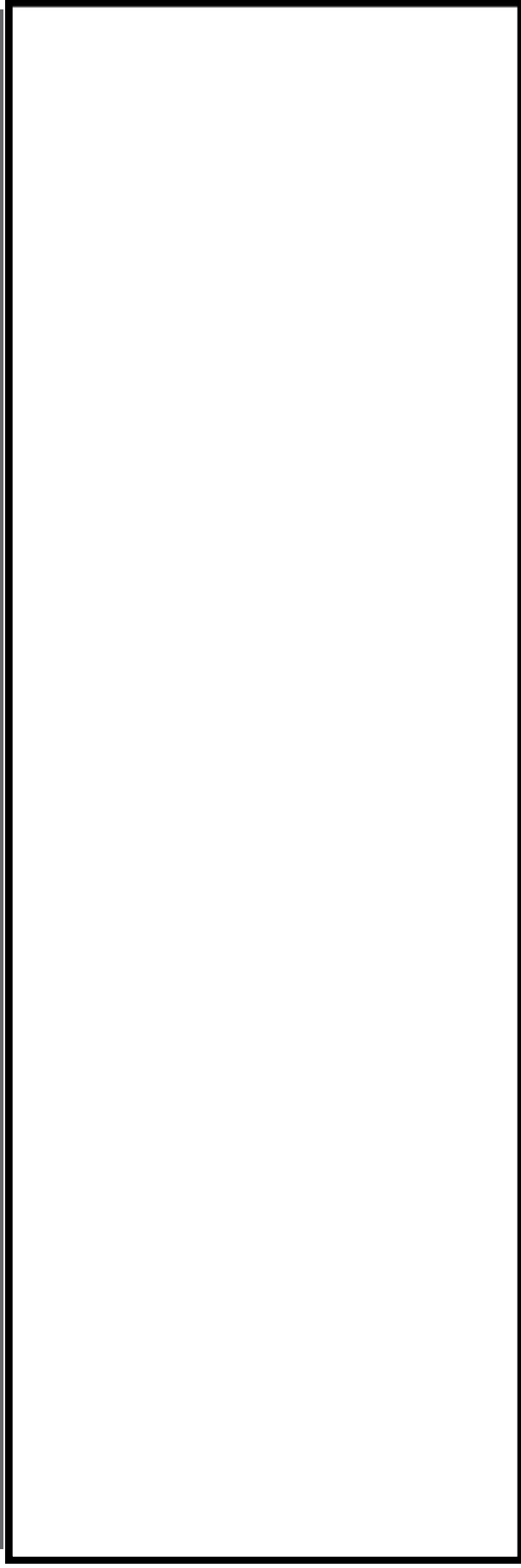Fold on the Line and Glue

Fold on the Line and Glue

Left-Hand Side

Fold on the Line and Glue

Right-Hand Side

Fold on the Line and Glue

Roof

Fold on the Line and Glue

Land