



Smoky Lake
MAPLE PRODUCTS™
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Bricking a Silverplate Arch

CONFIGURATION FOR DROP FLUE PANS

BRICKS:

- 26 Thick Fire Bricks
- 20 Thin Fire Bricks

BRICKING TOOLS AND MATERIALS:

- Ceramic Blanket
(If not already fully insulated at the factory. Available on SmokyLakeMaple.com)
- Brick Saw
(Only needed if cutting bricks)
- Pencil
- Measuring Tape
- Utility Knife
- Safety Equipment:
Gloves, Safety Glasses, Ear Plugs *(For cutting.)*
- High Temperature Mortar
(Optional, but recommended. Available on SmokyLakeMaple.com.)

INSTRUCTIONS:

1. Line the inside walls of the arch with Ceramic Blanket. You will need to cut the Ceramic Blanket to shape with a utility knife so that it fits properly. You do NOT need insulation under the grates.
2. Insulate the rear wall of the arch, the arch bed, and the rear wall of the firebox all with one piece of insulation.
3. If your bricks are not pre-cut, use a brick saw to cut your fire bricks according to the attached templates. *(If you do not have a brick saw, you may be able to rent one from a hardware store.)*
4. Install the Fire Brick according to the diagrams on the following pages. You will use your full thickness bricks for the sides. You will use the half bricks for the rear wall, the top layer of the sides, and also in front of the grates.
5. Use an extra layer of ceramic insulation above the top layer of fire brick on the left and right sides of the evaporator, between the brick and the inside of the arch rail.

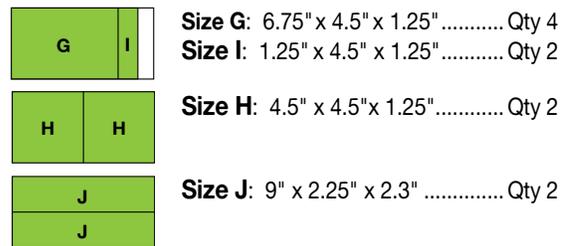
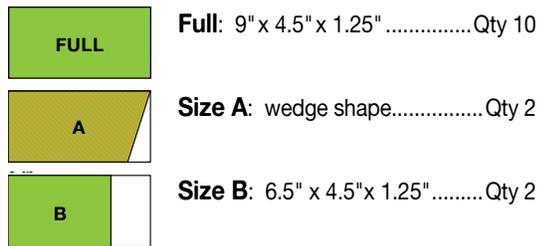


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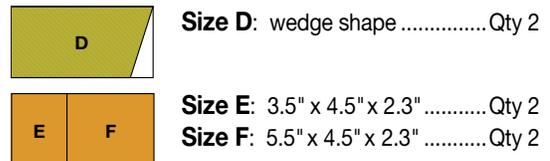
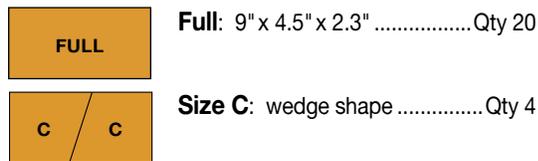
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BRICK SIZES AND QUANTITIES:

Thin Bricks



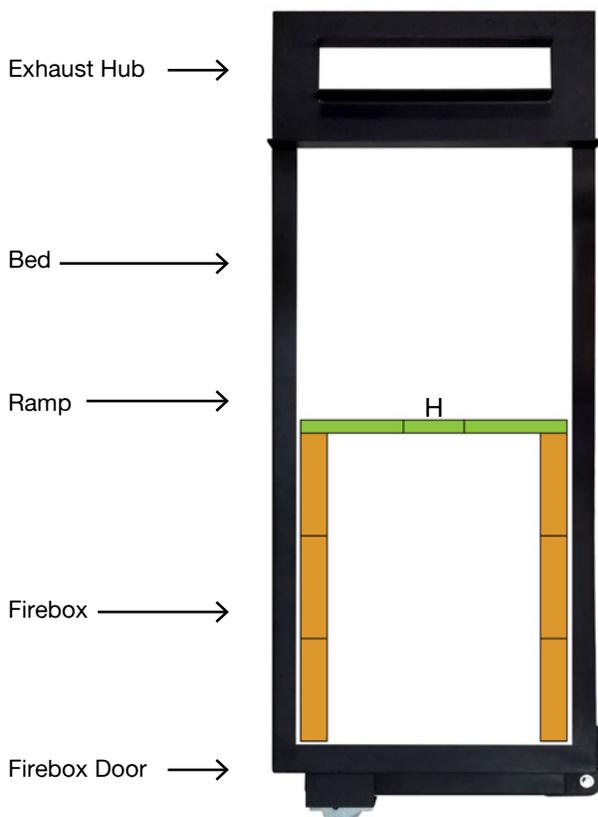
Thick Bricks



NOTE: Cutting templates for each size are located at the back of this instruction guide.

INSTALLING FIRE BRICK:

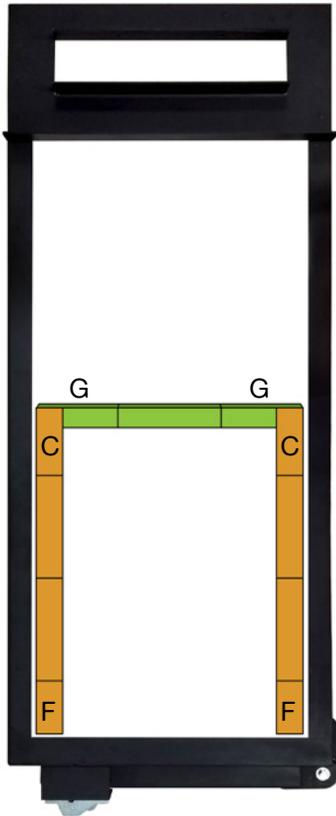
After installing the ceramic blanket as described on page 1, you are ready to install the fire brick. These diagrams show where to place the various bricks. Each diagram depicts an aerial view of a Silverplate arch. The bricks will be placed only in the firebox and on the ramp. All bricks are labeled according to the key above except for the full size bricks which are left blank. Using mortar is optional but recommended. If using mortar, a 1/8" – 1/4" joint should be filled in between the bricks. Afterward, go back and fill any cracks.



Step 1:

Your bottom layer of bricks should be placed on the ledge inside your firebox. There will NOT be bricks or insulation below the grates.

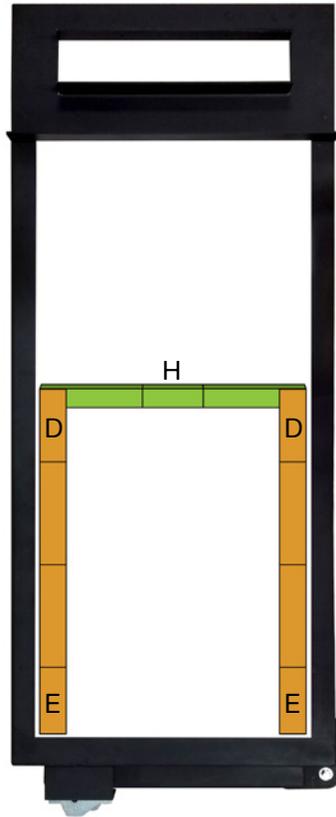
- Full Thin Qty 2
- H Qty 1
- Full Thick Qty 6



Step 2:

This layer of bricks will sit on top of the bricks from Step 1. Place the thin bricks first. They will lean back onto the ramp. Then place the thick bricks. Bricks C will overlap Bricks G.

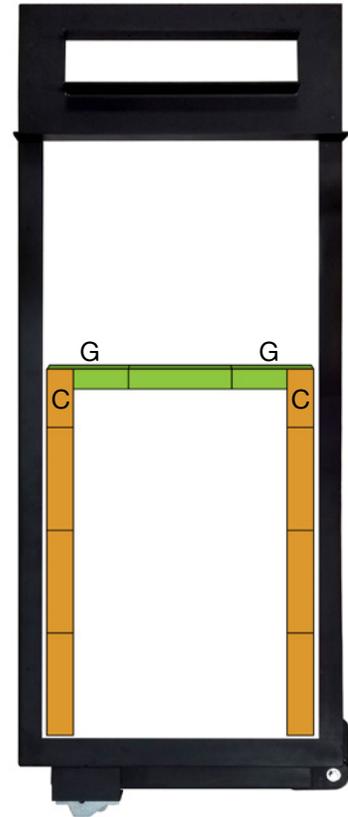
- Full Thin Qty 1
- G Qty 2
- Full Thick Qty 4
- C Qty 2
- F Qty 2



Step 3:

This layer of bricks will sit on top of the bricks from Step 2. Install the three thin bricks first. Then place the thick bricks. Bricks D will overlap the two full length thin bricks.

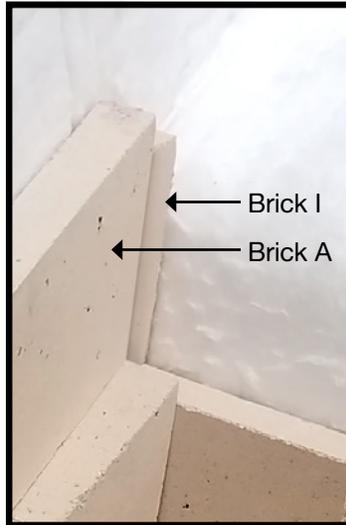
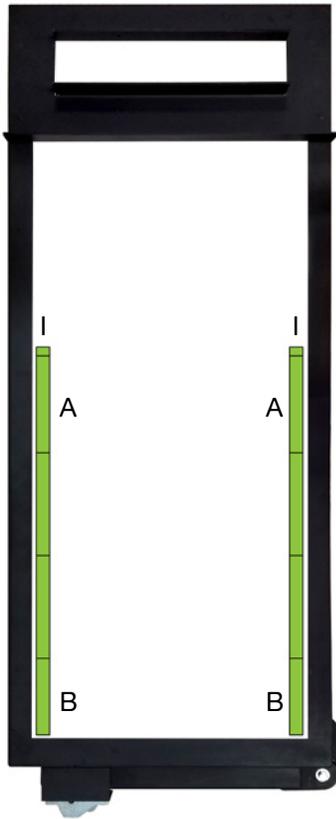
- Full Thin Qty 2
- H Qty 1
- Full Thick Qty 4
- D Qty 2
- E Qty 2



Step 4:

This layer of bricks will sit on top of the bricks from Step 3. Install the thin bricks first. Then place the thick bricks. Bricks C will overlap Bricks G.

- Full Thin Qty 1
- G Qty 2
- C Qty 2
- Full Thick Qty 6



Step 5:

This layer of bricks will sit on top of step 4 bricks. The photo to the right details the placement of Bricks I.

- Full Thin Qty 4
- Bricks A Qty 2
- Bricks B Qty 2
- Bricks I Qty 2



Brick I will lean onto the ramp against the angled side of Brick A.

Step 6:

Before placing the grates back into the firebox, you will need to insert your last two fire bricks on the ledge beneath the firebox's door. If space allows, you may place a layer of ceramic blanket between Bricks J and the bottom of the door frame.

- Bricks J Qty 2



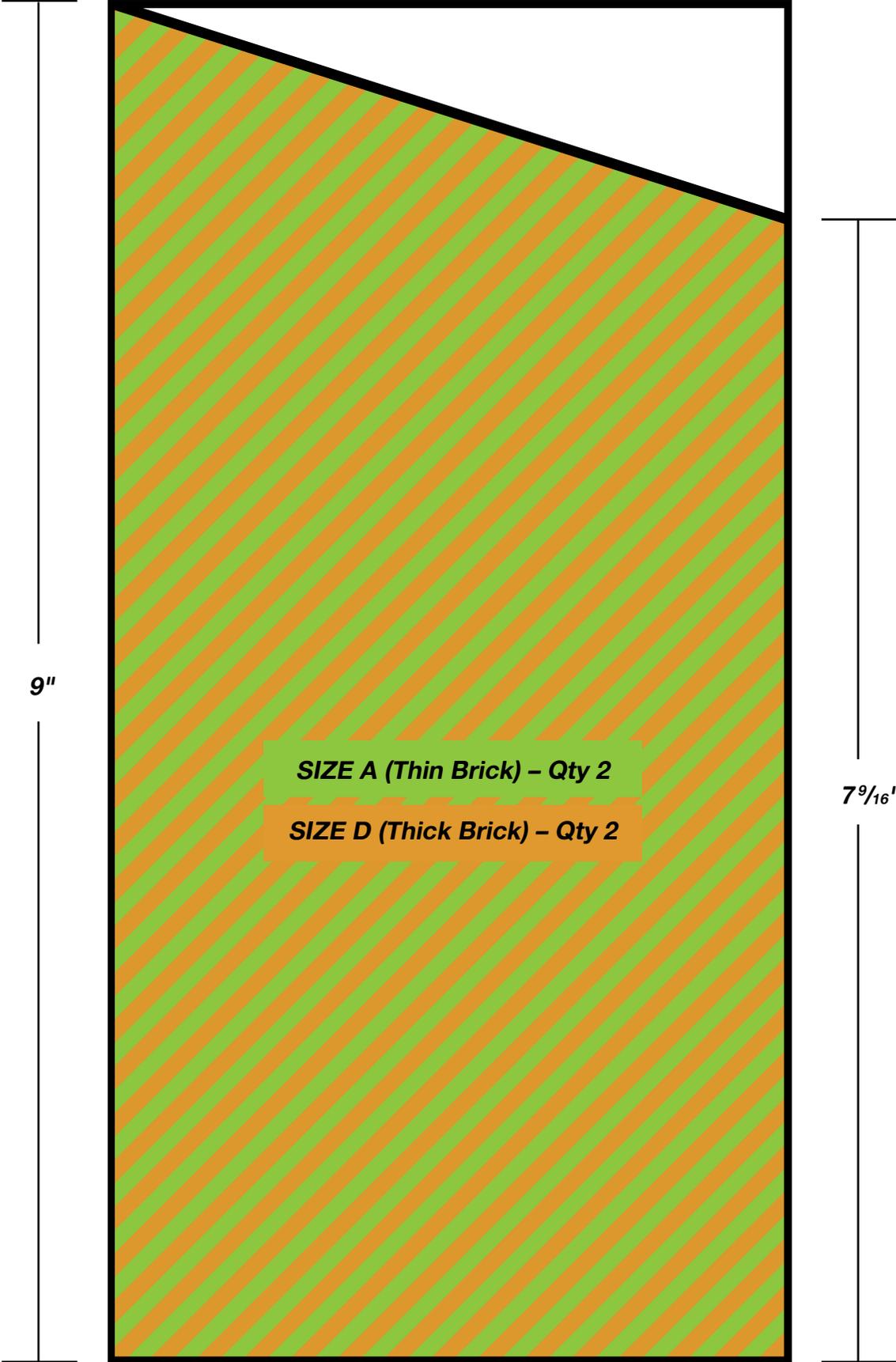
Finished bricking. Side wall and ramp of the firebox.



Finished bricking. Backside of the front door frame.

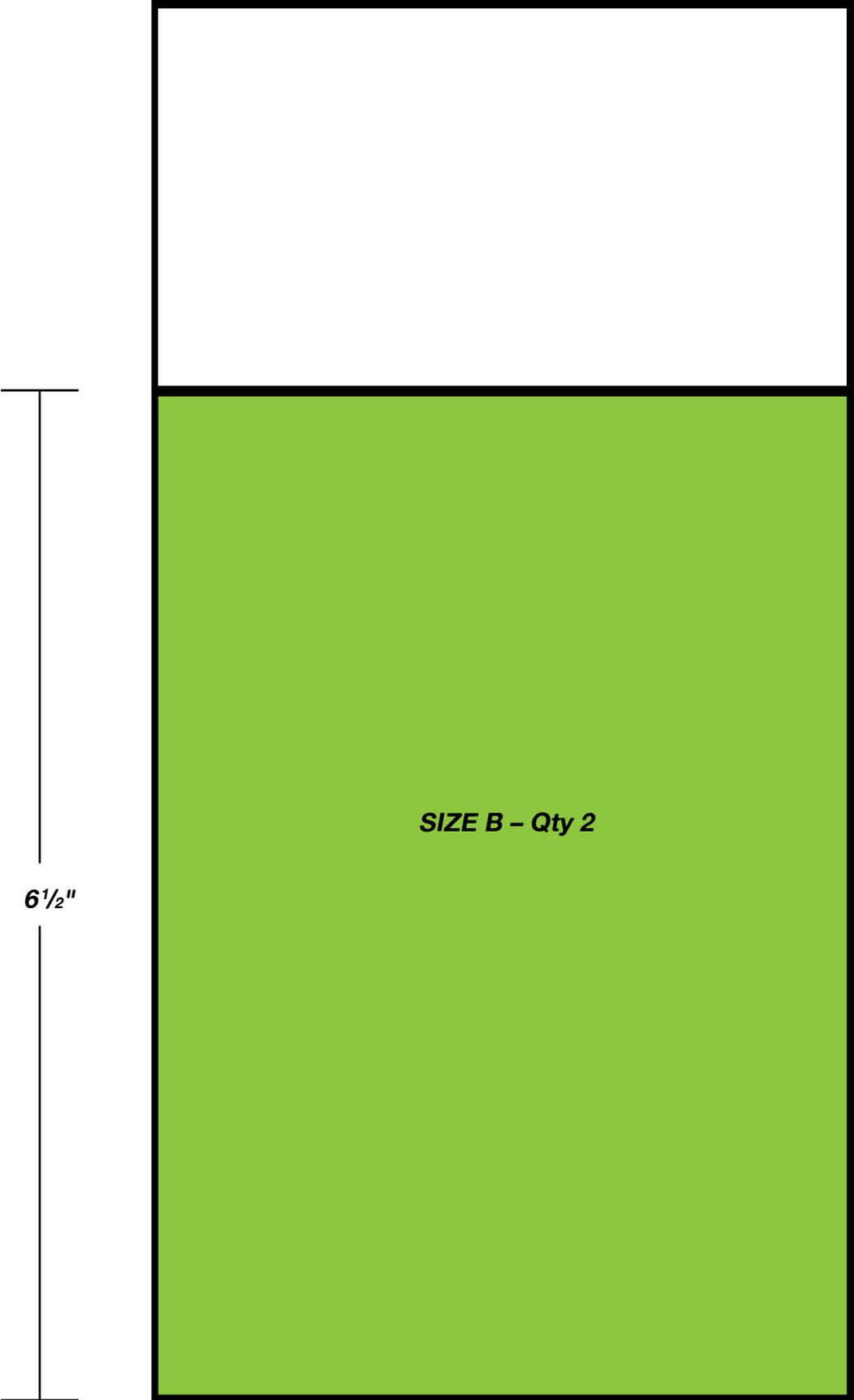
CUTTING TEMPLATE A (Thin Brick) & D (Thick Brick):

Cut TWO thin bricks AND TWO thick bricks according to this template. The angle is 18°.



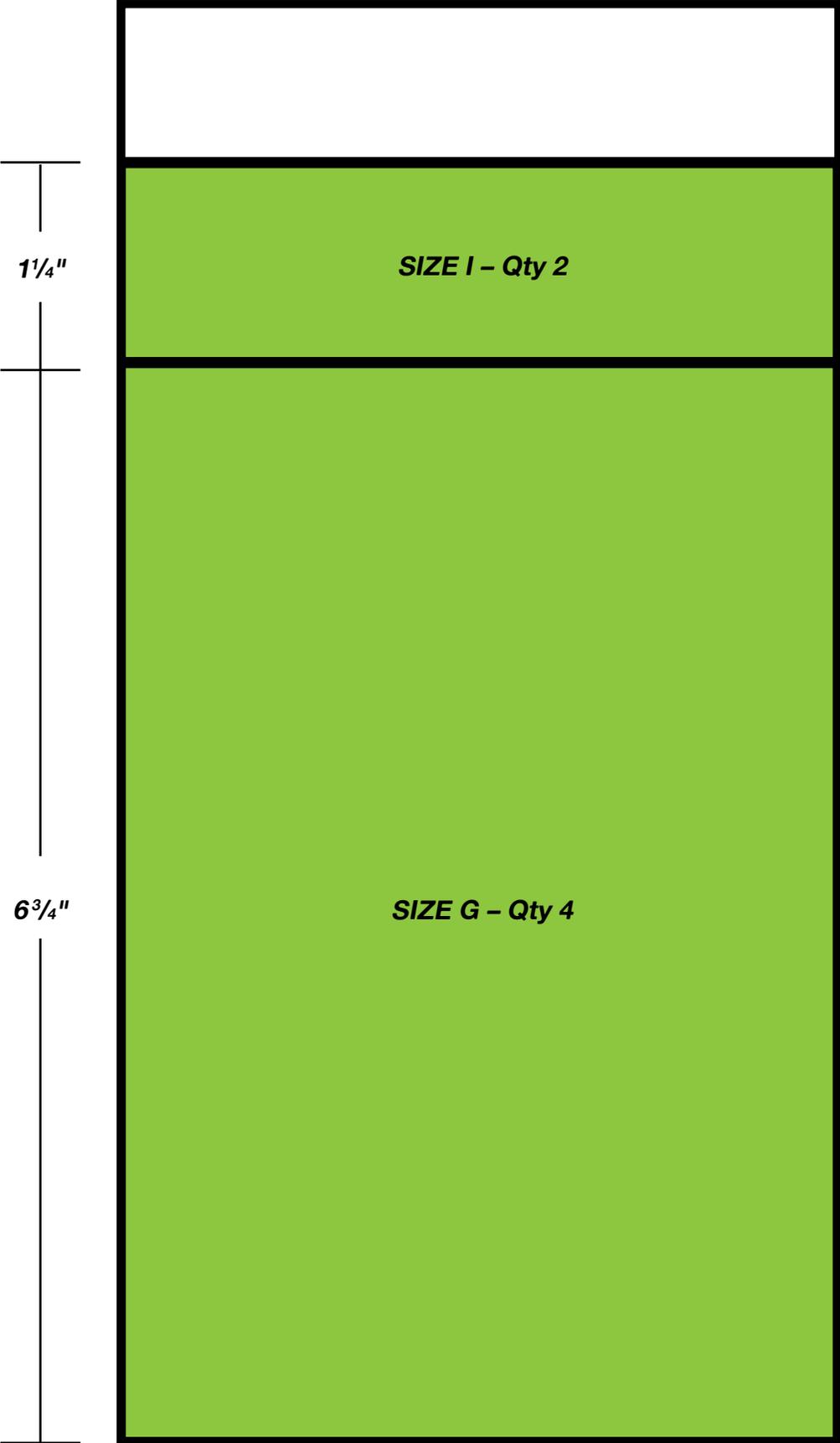
CUTTING TEMPLATE B:

Cut TWO thin bricks according to this template for a total of TWO bricks that are 6 1/2" long.



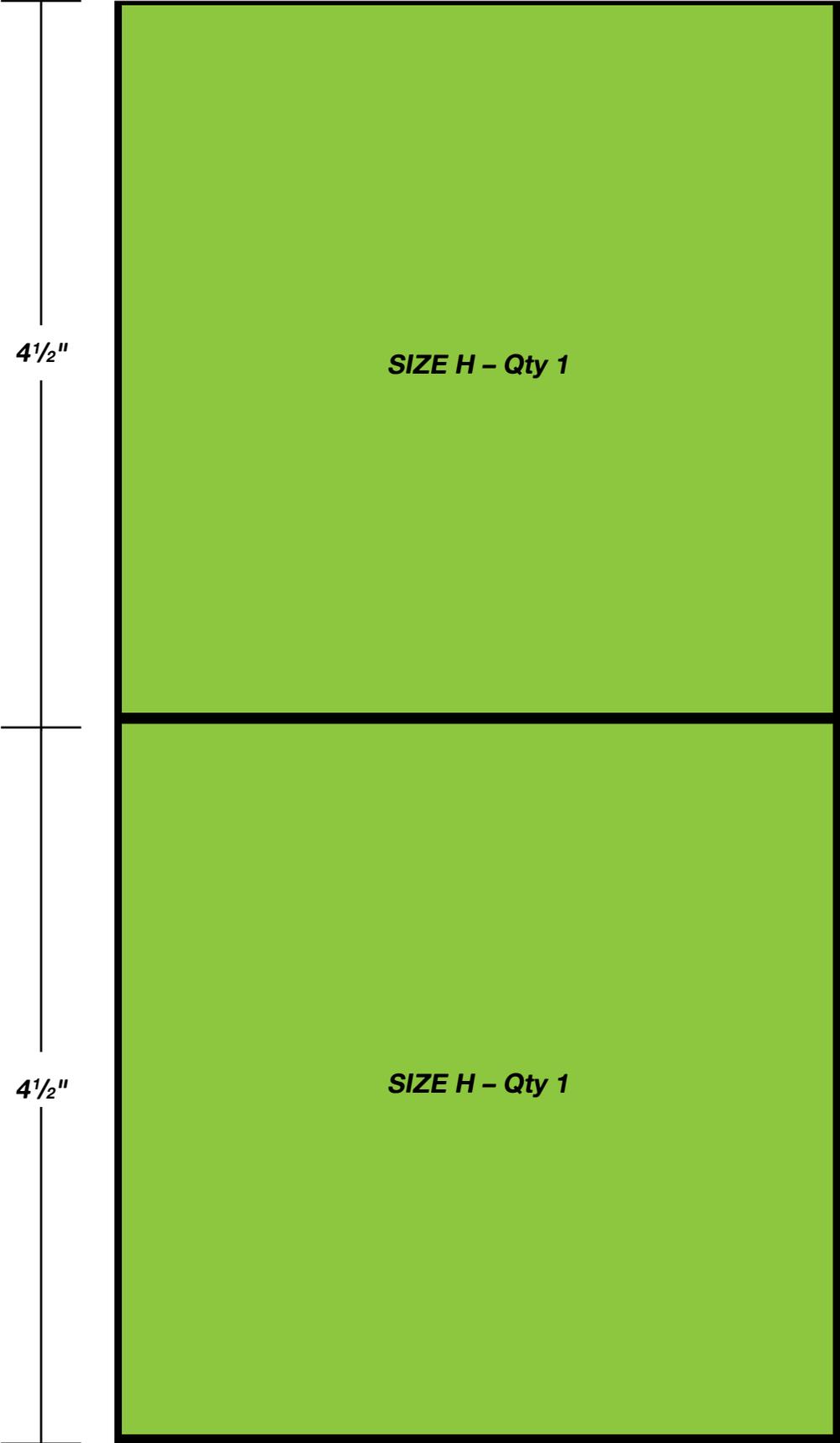
CUTTING TEMPLATE G:

Cut FOUR thin bricks according to this template. You will need FOUR Size G Bricks (Bricks that are 6³/₄" long) and TWO Size I Bricks (Bricks that are 1¹/₄" wide).



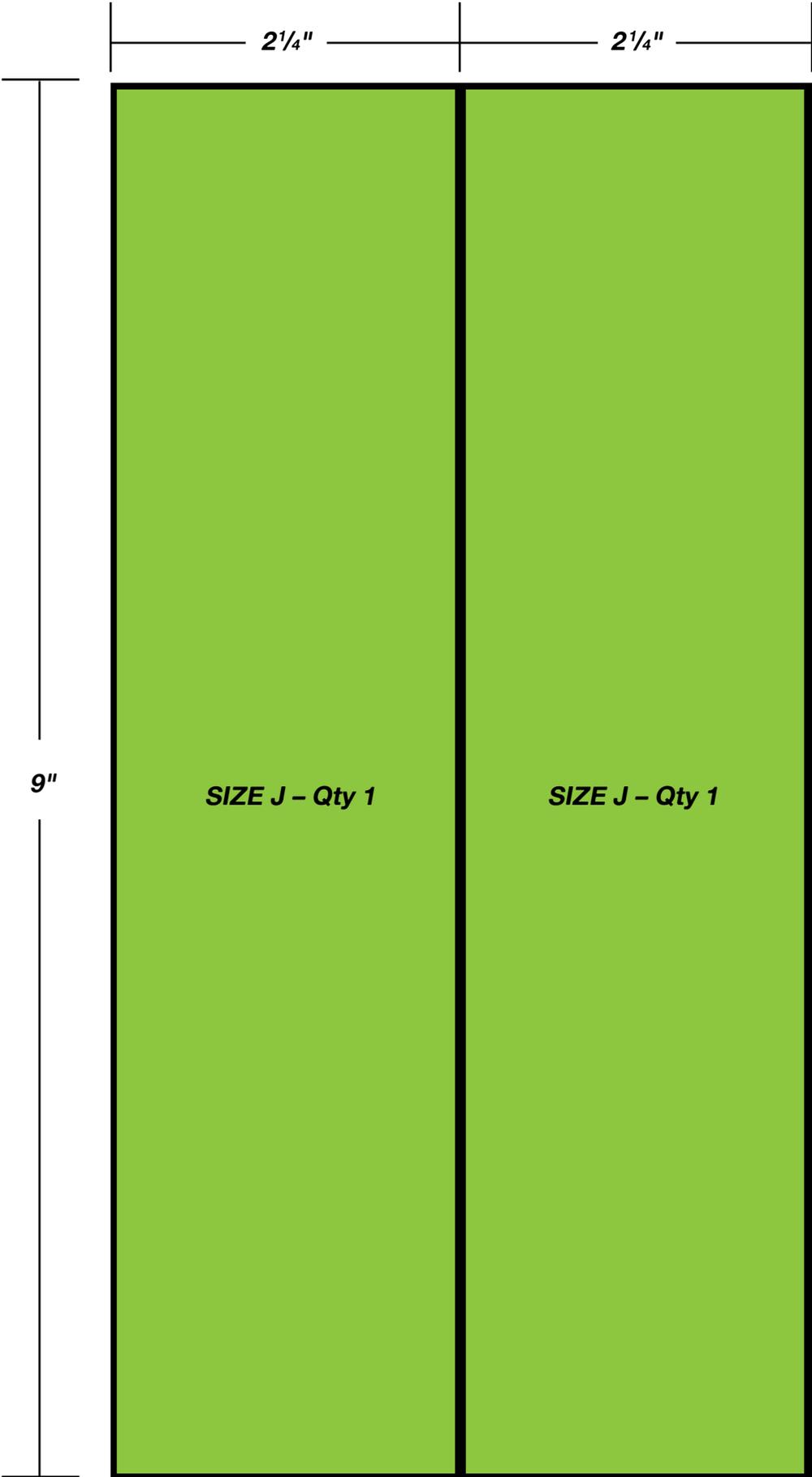
CUTTING TEMPLATE H:

Cut ONE thin brick in half. You will need TWO Size H Bricks (Bricks that are 4 1/2" long).



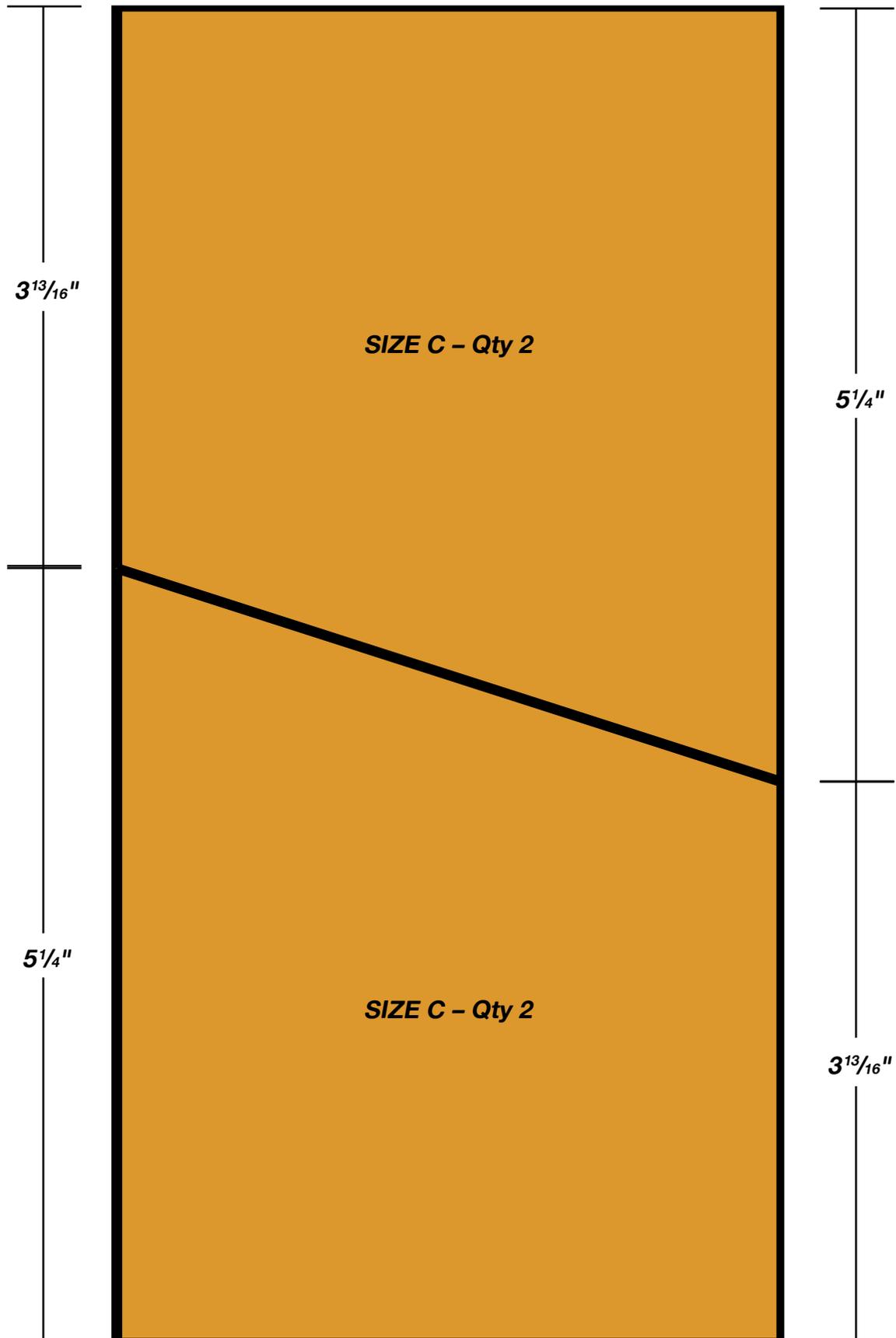
CUTTING TEMPLATE J:

Cut ONE thin brick in half the long way. You will need TWO Size J Bricks which are 9" x 2 1/4" x 2 3/8"



CUTTING TEMPLATE C:

Cut TWO thick bricks according to this template. The angle is 18°. You will need a total of FOUR Size C Bricks.



CUTTING TEMPLATES E & F:

Cut TWO thick bricks according to this template. You will need a total of TWO Size F Bricks (which are 5 1/2" long) and TWO Size E Bricks (which are 3 1/2" wide).

