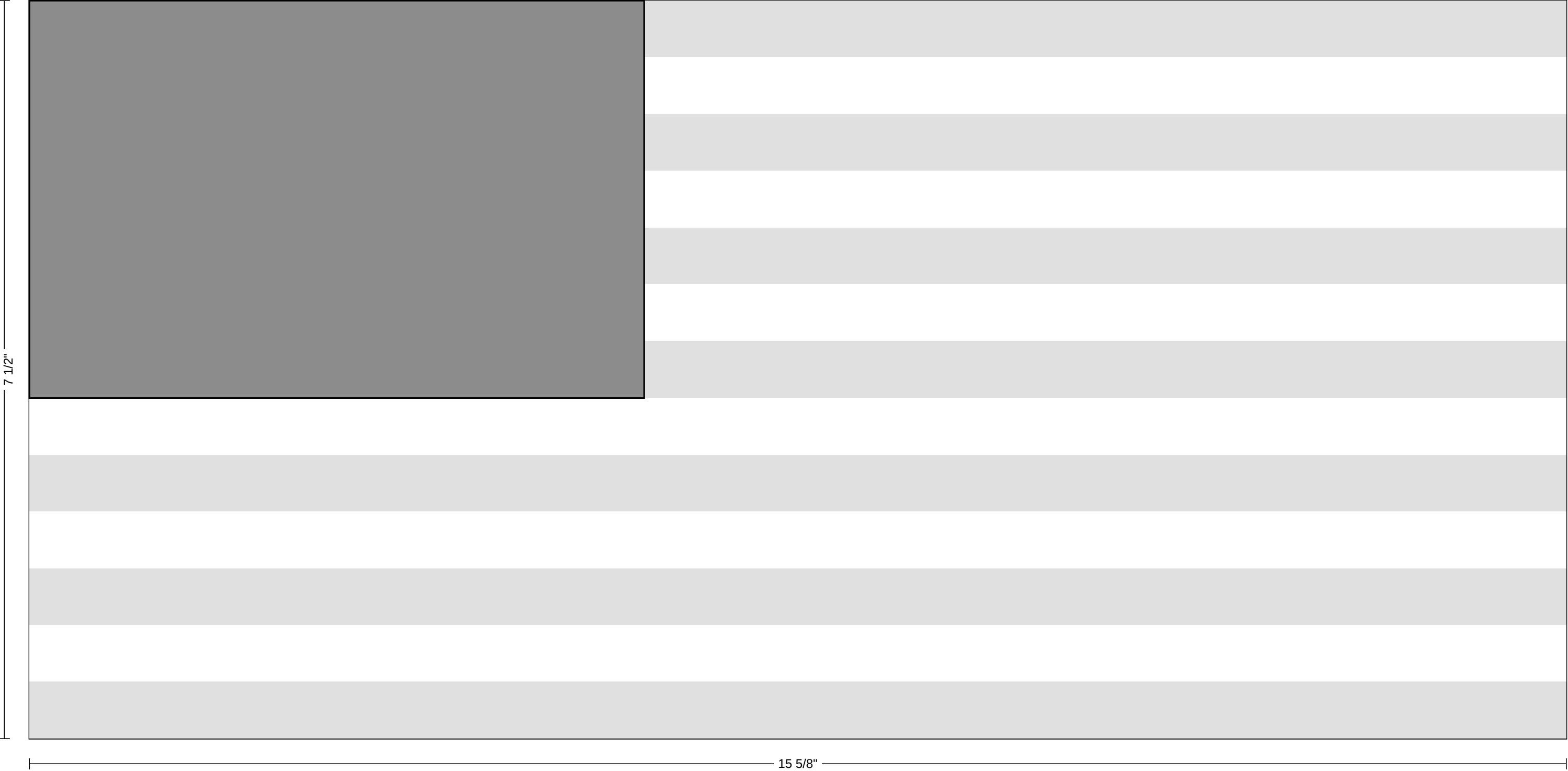


Reusable American Flag Stencil System

Sized for a 15 5/8" x 7 1/2" cinder-block face - print drawings at 100% scale



Stripe height

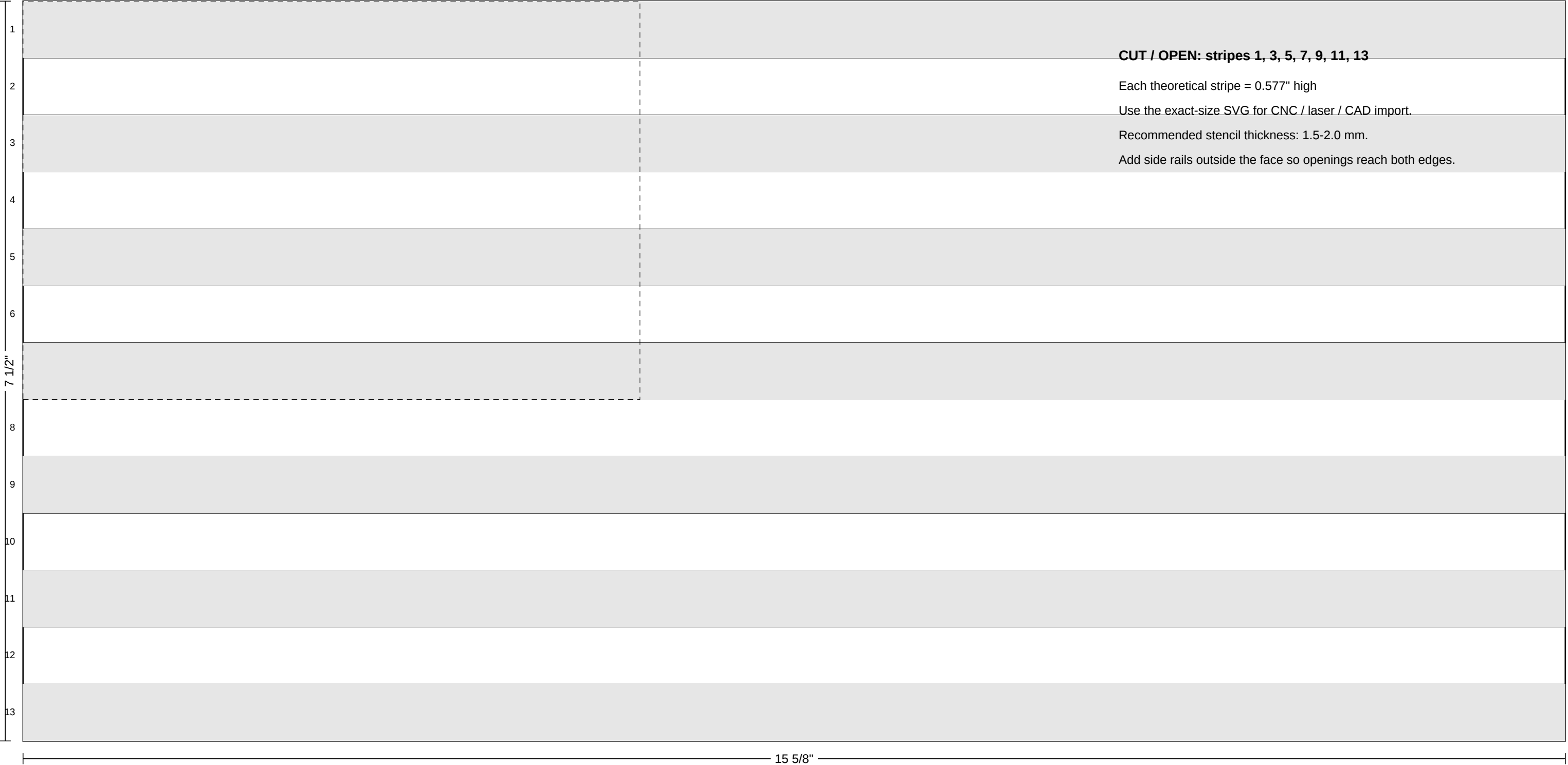
Canton:

Star tip offset

- System
- Paint the
- The can
- For rough

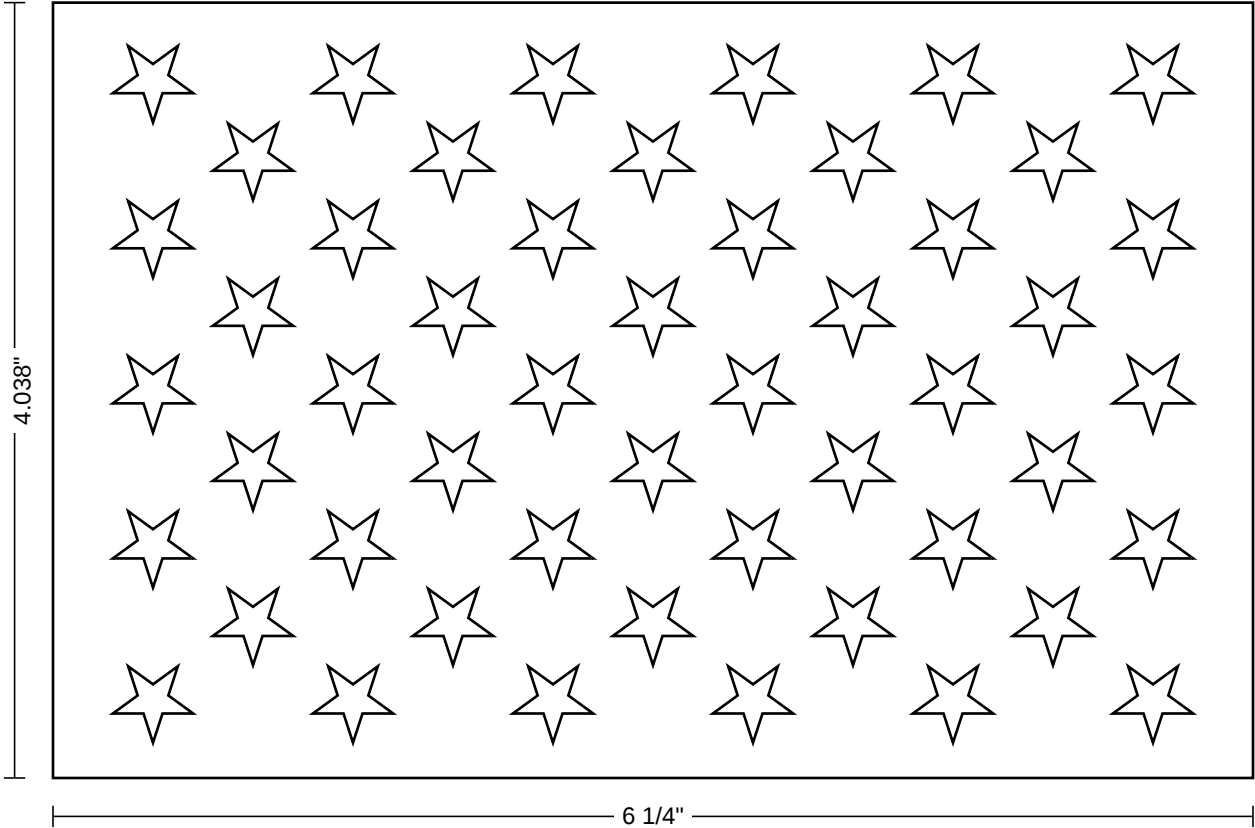
Stencil 1 - Red Stripes (1:1)

Outer frame shown at 17 1/8" x 9"; the inner face is exactly 15 5/8" x 7 1/2"



Stencils 2 & 3 - Blue Canton and 50 White Stars

Canton geometry is exact; star stencil uses 9 staggered rows: 6/5/6/5/6/5/6/5/6



Star grid

- 50 stars, 9 rows
- Row counts: 6 / 5 / 6 / 5 / 6 / 5 / 6 / 5 / 6
- Star tip-to-tip diameter: 0.44"
- Horizontal grid step: 0.521"
- Vertical grid step: 0.404"
- Stencil 2: same canton rectangle, open center for BLUE.
- Stencil 3: star openings only; apply WHITE over cured blue.
- If printing in plastic, add 0.5" perimeter border for stiffness.

Painting Sequence - Repeatable Production Method

1. PREP

Wire-brush or stiff-brush the face. Blow/vacuum out dust. Let the block dry completely.

2. PRIME

Apply exterior masonry/concrete bonding primer. Work it into the pores. Let it cure per label.

3. WHITE BASE

Paint the entire 15 5/8" x 7 1/2" face white. Two thin coats. This creates all white stripes and the star color.

4. RED STRIPES

Place Stencil 1. Dab red into stripes 1, 3, 5, 7, 9, 11 and 13. Use very little paint to prevent bleed. Lift stencil straight off.

5. BLUE CANTON

After red is dry, register Stencil 2 at the upper-left corner. Dab blue into the 6 1/4" x 4.038" canton. Remove stencil.

6. WHITE STARS

After blue is fully dry, register Stencil 3 over the canton. Dab white through the 50 stars. Two very light passes beat one wet pass.

7. TOUCH-UP

Use a small artist brush only where needed. The concrete texture should remain visible; don't try to make it furniture-smooth.

8. SEAL

After the paint has cured, apply a matte exterior masonry sealer if the blocks will be handled, transported, or left outdoors.

Fabrication note: or a 3D-printed registration lip, measure several actual blocks first; concrete blocks can vary and their edges are often rounded.
Start with about 1/16" clearance per side, then test-fit before printing the final reusable frame.