



KILROY WAS HERE

DIY SANTA BELLY

PRINTABLE PATTERN BOOK

Two builds: stuffed-fabric belly + sculpted foam belly

Adult starting size | US Letter | Full-size tiled templates

Read the complete illustrated tutorial:

<https://kilroywasheshereshop.com/diy-santa-belly/>

READ FIRST | How to use this booklet

- This booklet provides TWO distinct methods. Pattern A makes a stuffed fabric cushion with a shaped side band. Pattern B makes a carved foam dome carried in a fabric cradle. Do not combine the cutting lists.
- Pattern A and Pattern B are practical prototype designs inspired by the article photographs; they are not a reverse-engineered copy of the photographed commercial-style harness.
- All pattern tiles must be printed at 100% / Actual Size, US Letter, portrait. Disable Fit to Page. Each tile has a one-inch test square and page-to-page matching grid coordinates.
- Tiles use a 7.5 x 9.5 inch drawing window. Trim along the window boundary and tape tiles together edge-to-edge in row order (A1, A2, etc.). No overlap is needed.
- The template line is the CUT LINE for fabric Pattern A (seam allowance included). The template line is the CUT LINE for the foam Pattern B (no seam allowance).
- Wear a Santa coat during every fit test. The desired belly is rounded and comfortable; final volume depends on the wearer, fabric stretch, and coat size.
- Safety: keep straps quick-release and avoid pressure across the chest or breathing area. Follow manufacturer instructions for adhesives and cutting tools.

Pattern index

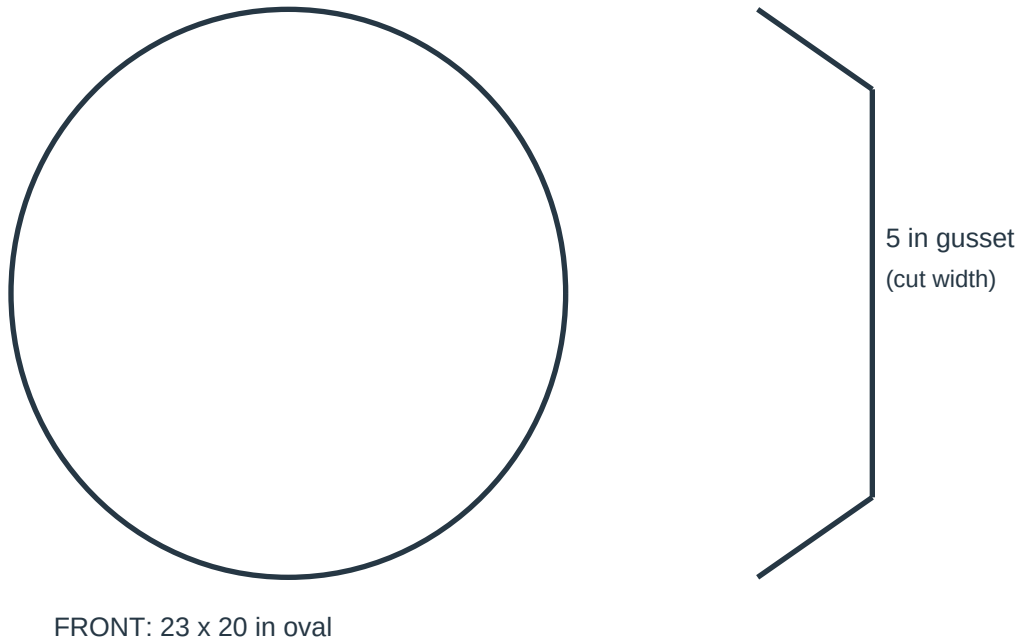
- A - stuffed fabric: cutting + sewing + harness instructions
- B - foam: cutting + sculpting + fabric cradle
- Full-size tiled sheets: A oval 23 x 20 in; B nested foam ovals up to 20 x 17 in

PATTERN A | Fabric belly construction

- CUT: Front oval x1 and back oval x1 using the same tiled 23 x 20 inch cutting template. Use sturdy cotton twill, canvas, or similar non-scratchy fabric.
- CUT: Side gusset x1 continuous strip, 5 inches wide x approximately 69 inches long. Piece strips together with 1/2-inch seams if needed. Measure the actual oval edge before final trimming.
- The oval perimeter is approximately 67.6 inches; the gusset length is intentionally generous. Fit the strip to the actual cut oval edge, then sew the gusset ends together.
- Use a 1/2-inch seam allowance on ALL fabric seams. The 23 x 20 oval template already includes it. Finished front face is approximately 22 x 19 inches.
- Optional: sew two shallow vertical contour seams in the front cover after a fitting test, but do not add seams through the stuffing chamber without planning the shape.
- SEW 1: Mark top, bottom, left, right, and quarter points on both ovals and gusset. Join gusset short ends into a loop after checking fit.
- SEW 2: Pin the gusset to the front oval, matching quarter marks. Stitch slowly around curves. Clip only the seam allowance at tight curves.
- SEW 3: Stitch the back oval to the other gusset edge, leaving an 8-inch turning/filling opening at the bottom. Turn right side out.
- FILL: Add polyester fiberfill in handfuls; keep edges softer and center fuller. Test under Santa coat standing and seated; close opening by hand or add a zipper.
- HARNESS: Stitch reinforced 3 x 4-inch fabric patches to the BACK before stuffing. Secure adjustable 1 to 1.5-inch webbing straps to reinforced patches, never just to a single seam.
- Fit two shoulder straps with adjustable sliders and quick-release hardware, plus an optional side-to-side waist stabilizer. Cut strap lengths from wearer measurements, not guessed universal lengths.

PATTERN A | Assembly reference

CROSS-SECTION: SIDE GUSSET CREATES DEPTH



BACK VIEW: REINFORCE WEBBING ATTACHMENTS

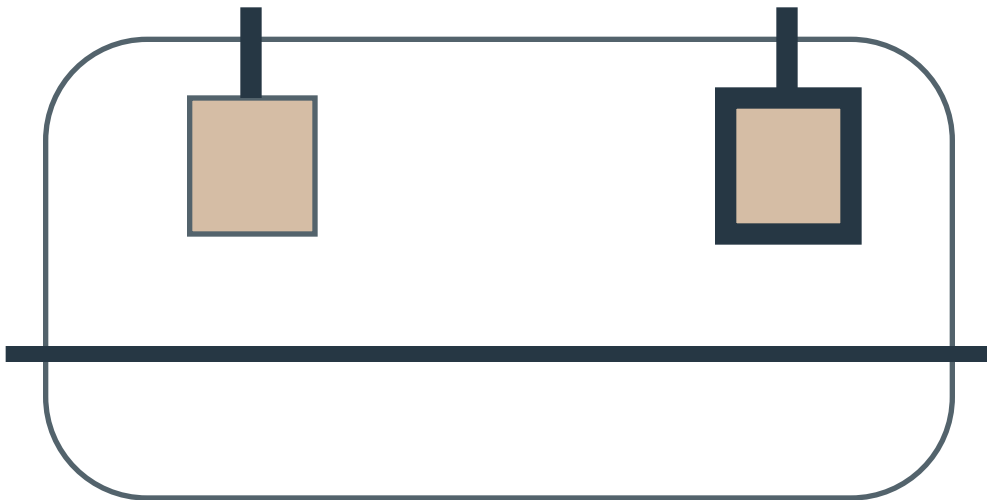


Illustration is schematic: webbing and reinforcement are sewn to the back panel.

Adjust straps on the wearer; do not assume pictured positions fit every torso.

PATTERN B | Sculpted foam construction

- CUT four foam ovals using the nested full-size template: base 20 x 17 in; layer 2 18 x 15 in; layer 3 15 x 12 in; top 11 x 9 in. The nesting diagram uses different line styles.
- Suggested starting foam: four pieces of 1.5-inch upholstery foam, total stacked depth 6 inches BEFORE shaping. Adjust layer thickness for your suit and desired projection.
- Draw centerlines on each piece. Stack the widest oval against the body and the smallest at the outward face; align all centerlines.
- DRY FIT the stack under the actual Santa suit before gluing. Adjust width, height, or number of layers until the profile looks natural.
- Bond foam with an adhesive approved for upholstery foam, following ventilation, drying, and safety directions. Let it cure completely.
- SCULPT away visible steps to make a continuous rounded dome. Thin the outer edge gradually. A smooth dome is the goal, not four visible foam tiers.
- Create a soft fabric cradle or sleeve around the foam, leaving an access opening for adjustment. The cradle is a CUSTOM-FIT cover: drape fabric over the carved foam and mark its edges.
- Sew reinforced webbing anchor patches to the cradle back, then add adjustable shoulder straps and an optional waist stabilizer as in Pattern A.
- TEST while walking, turning, bending, and sitting. Remove foam where the belly catches the thighs or pushes into the ribs.
- Size changes: multiply ALL widths and heights by 0.90 for a smaller build or 1.10 for a larger build. Re-test thickness and harness lengths separately.

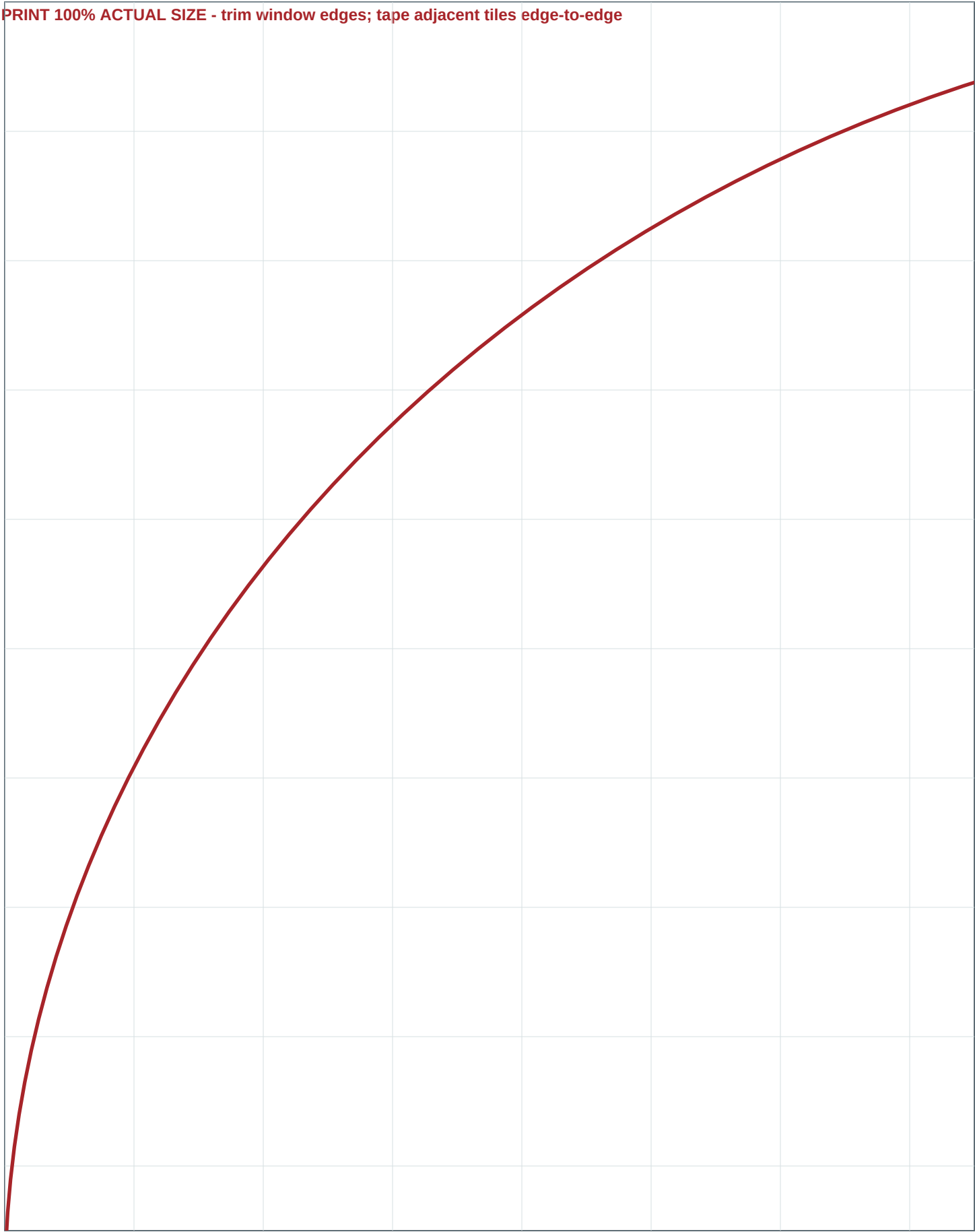
Important: Foam template dimensions are measured at their widest points.

REFERENCE | Finished belly and harness

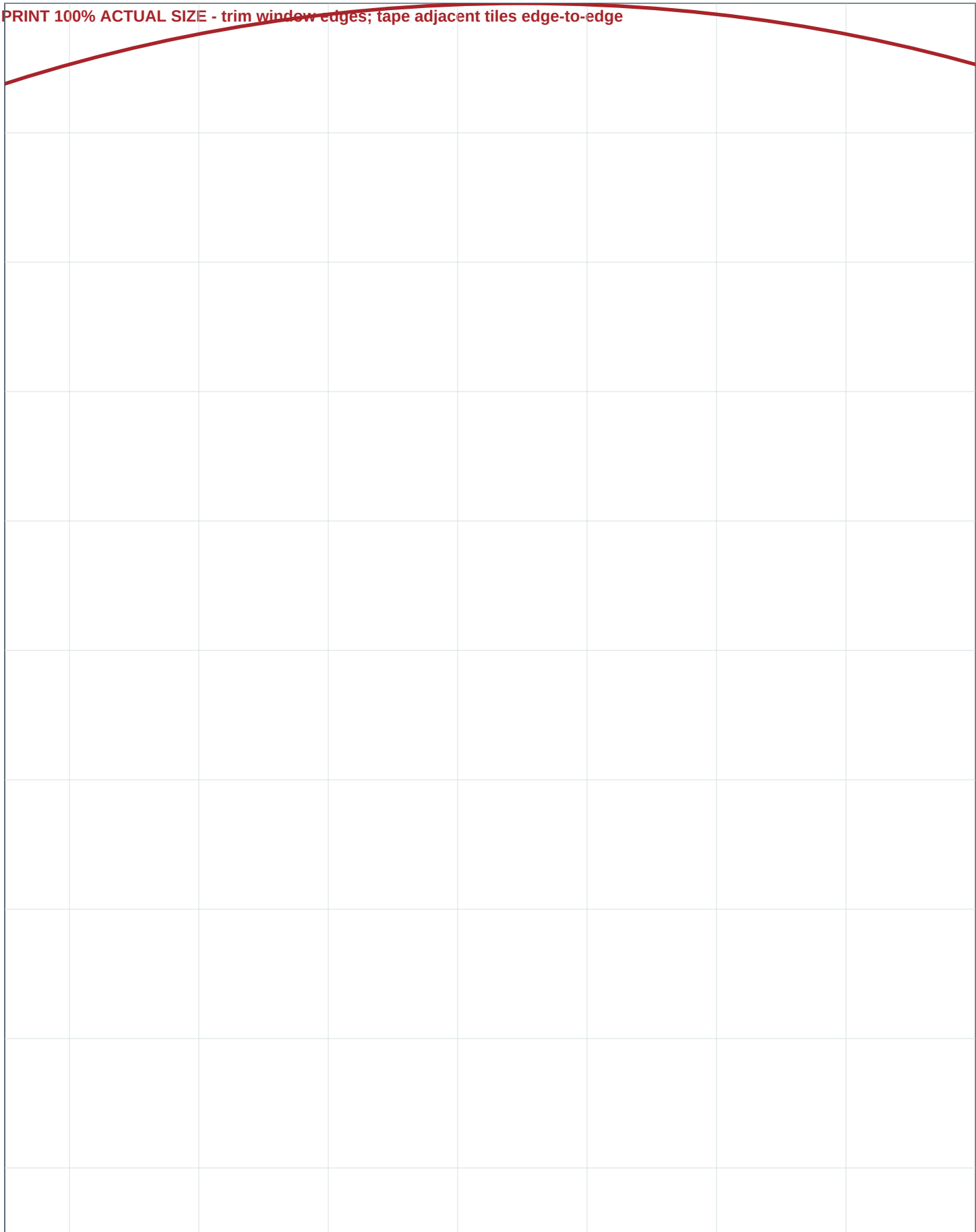
PHOTO REFERENCE FROM THE DIY ARTICLE

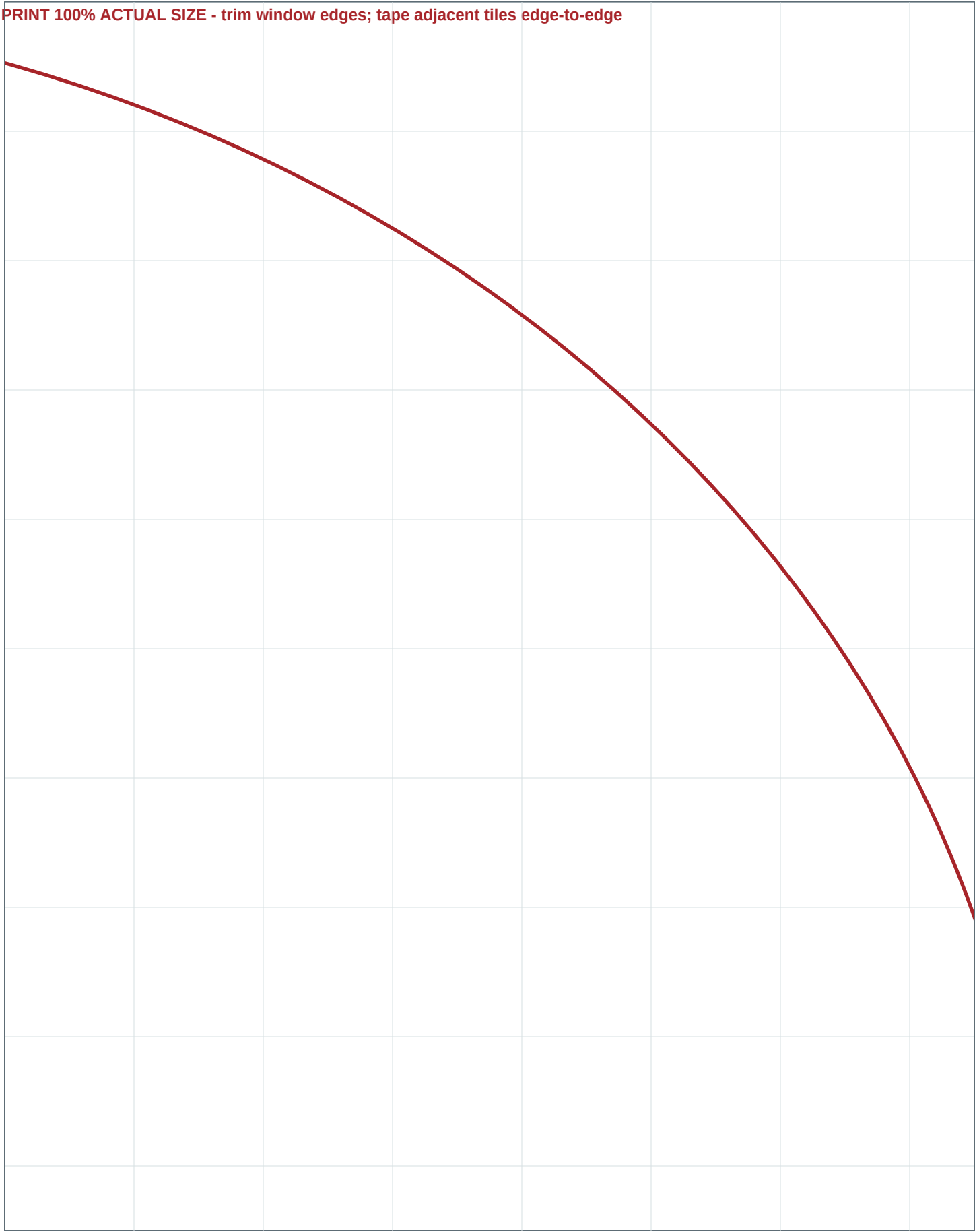


- Notice the curved fabric cover, reinforced black webbing, buckles, and shoulder adjustment.
- Pattern A uses a side gusset to create volume; Pattern B uses sculpted foam in a separate cradle.
- The exact photo construction is not fully visible, so the patterns are usable alternatives, not exact replicas.

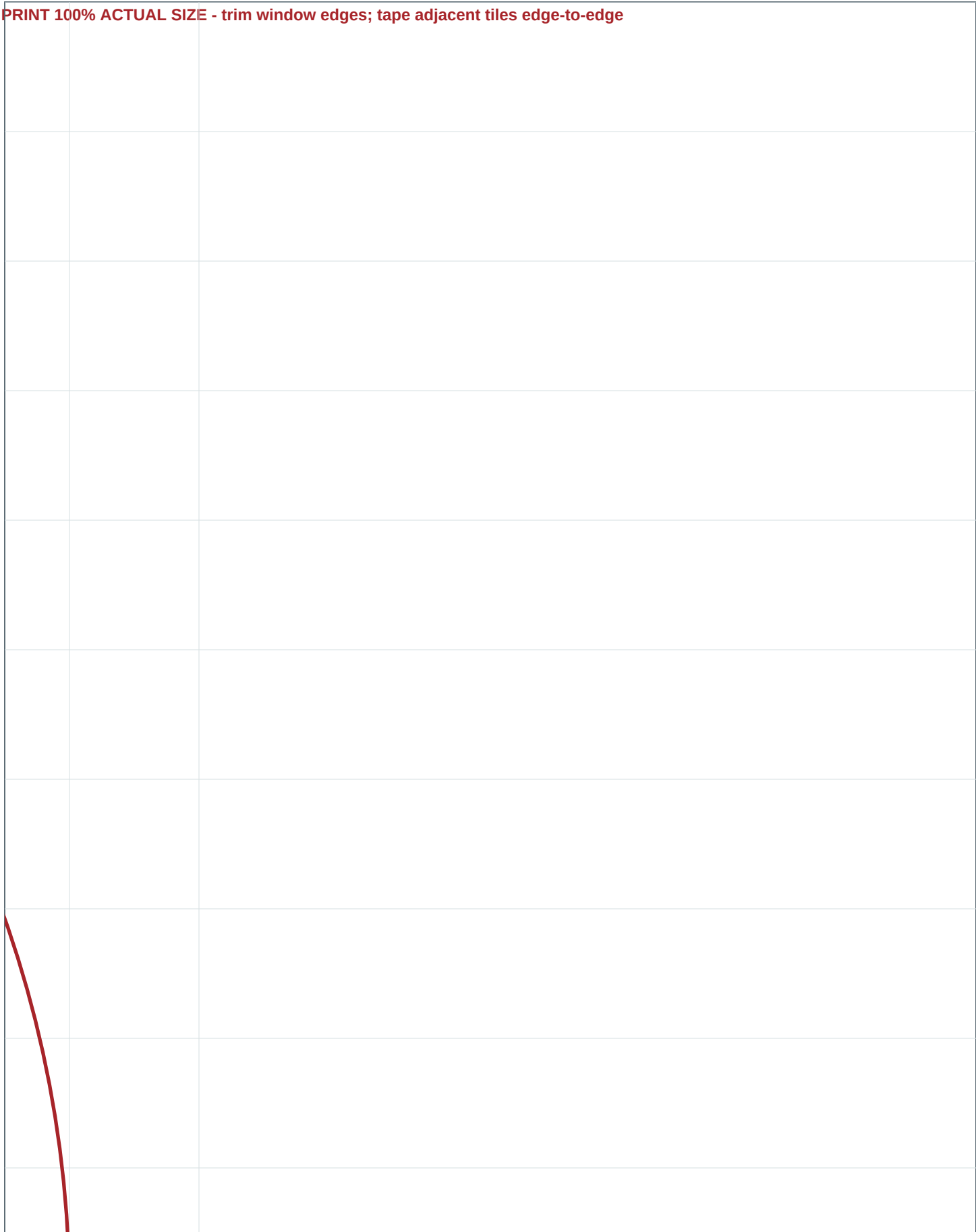


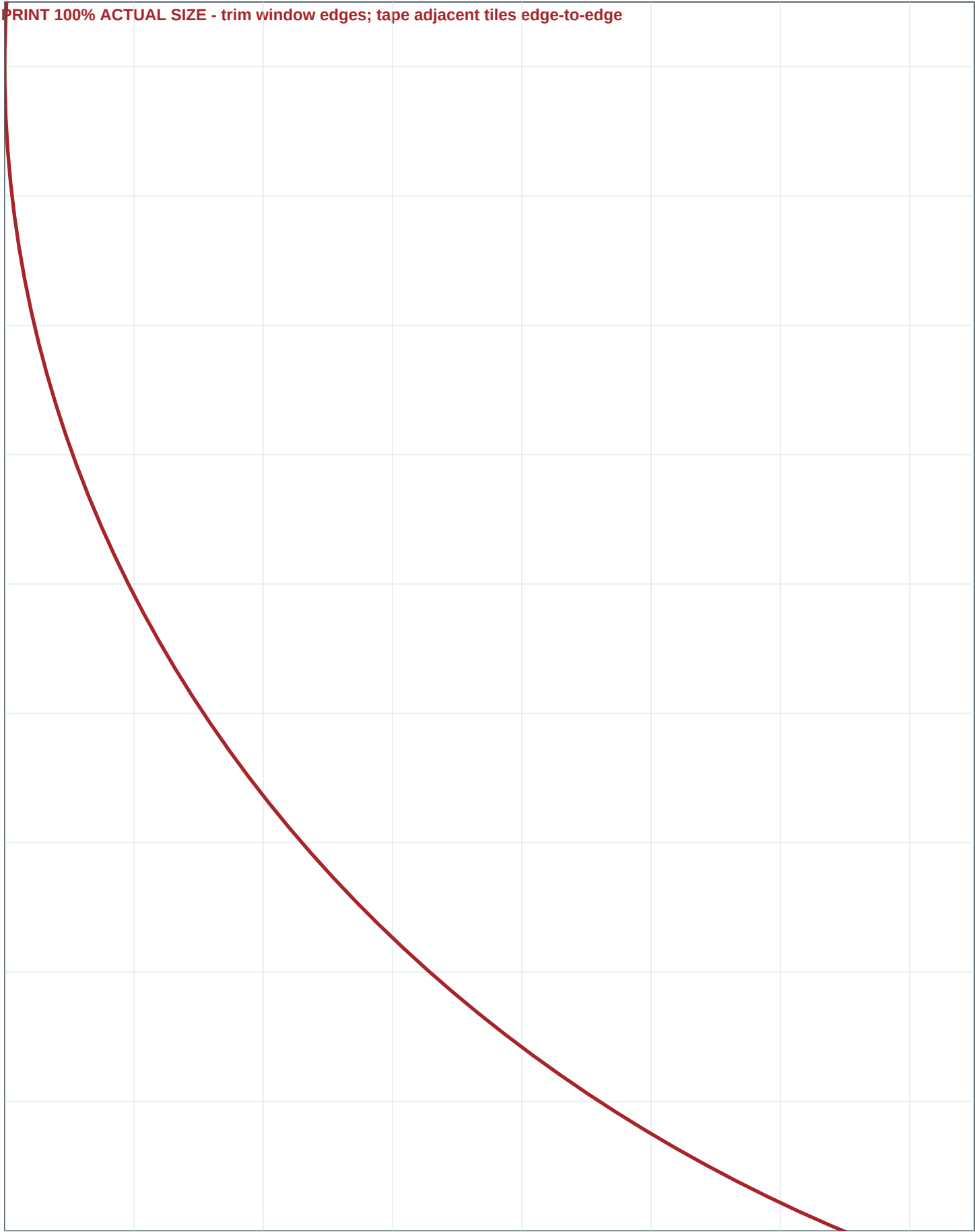
A - FABRIC OVAL (CUT 2) | TILE A2 / 3 rows x 4 columns

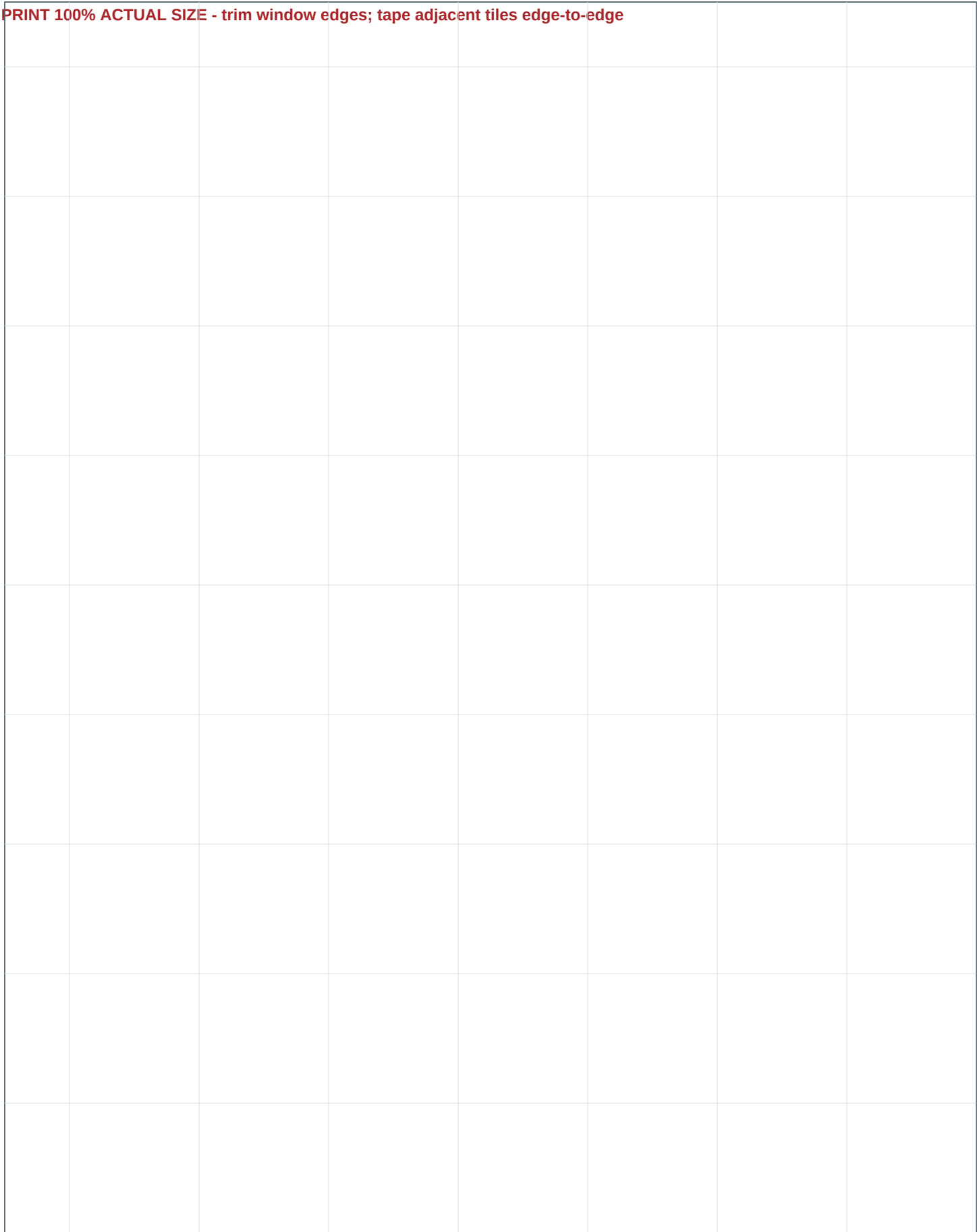




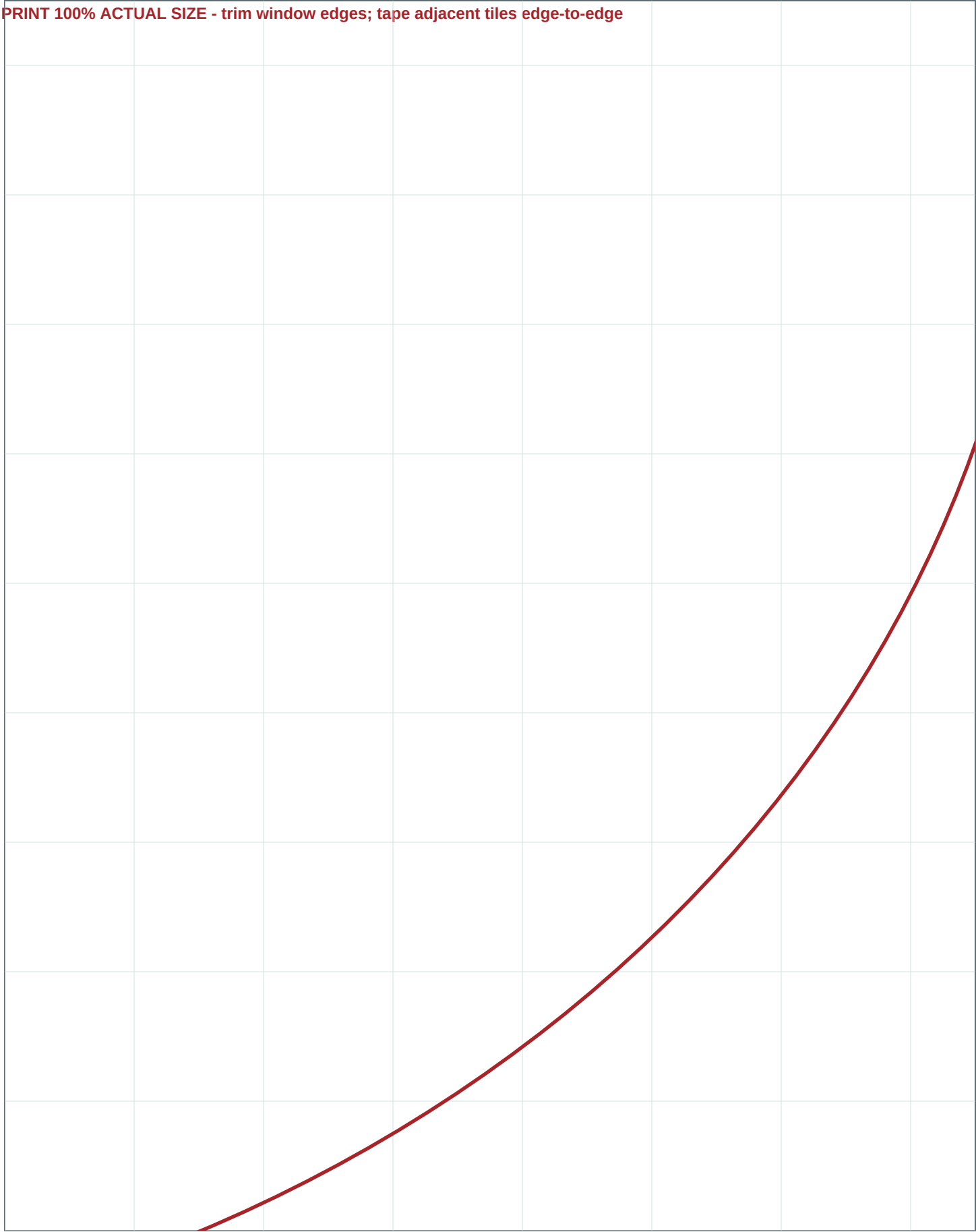
PRINT 100% ACTUAL SIZE - trim window edges; tape adjacent tiles edge-to-edge



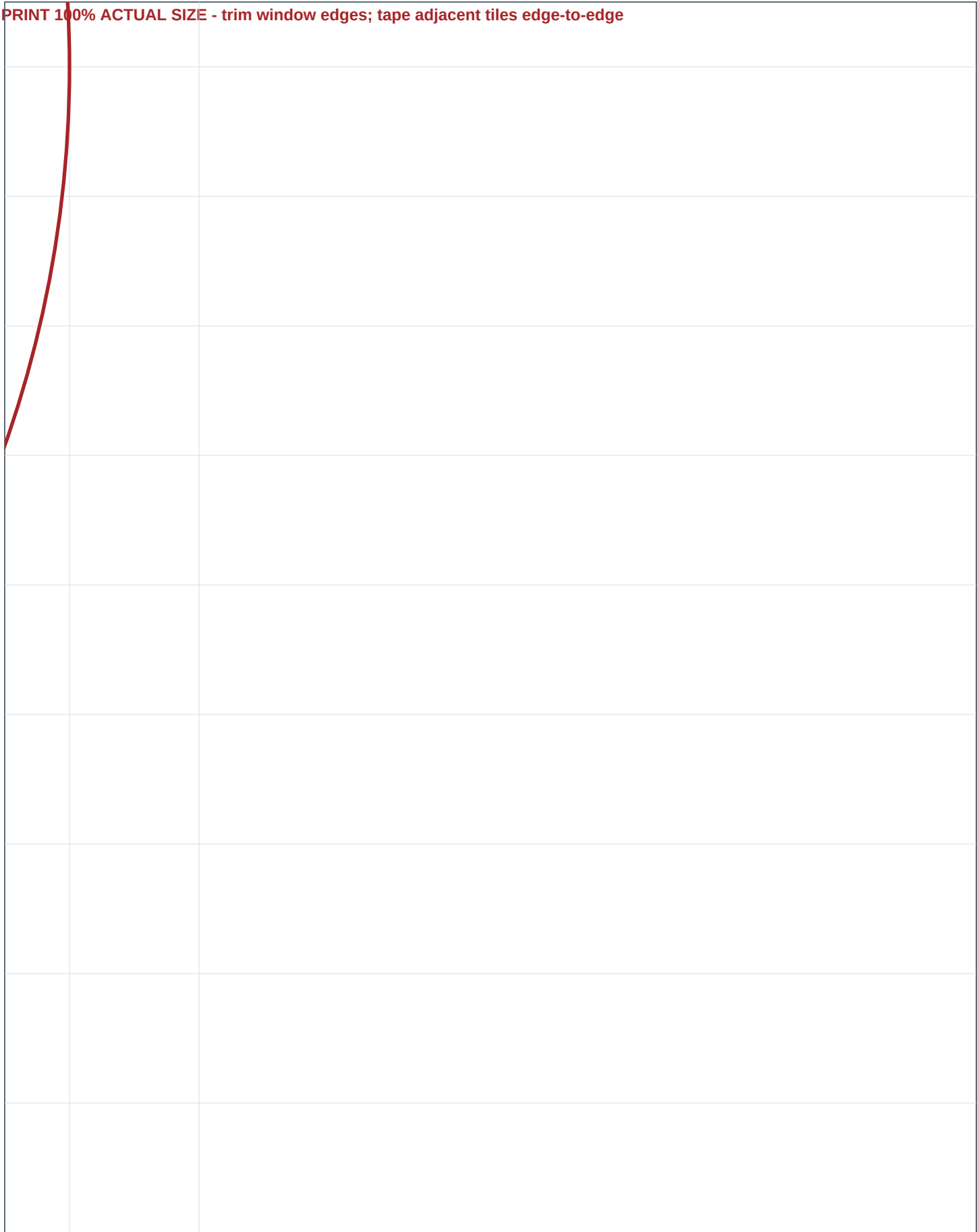


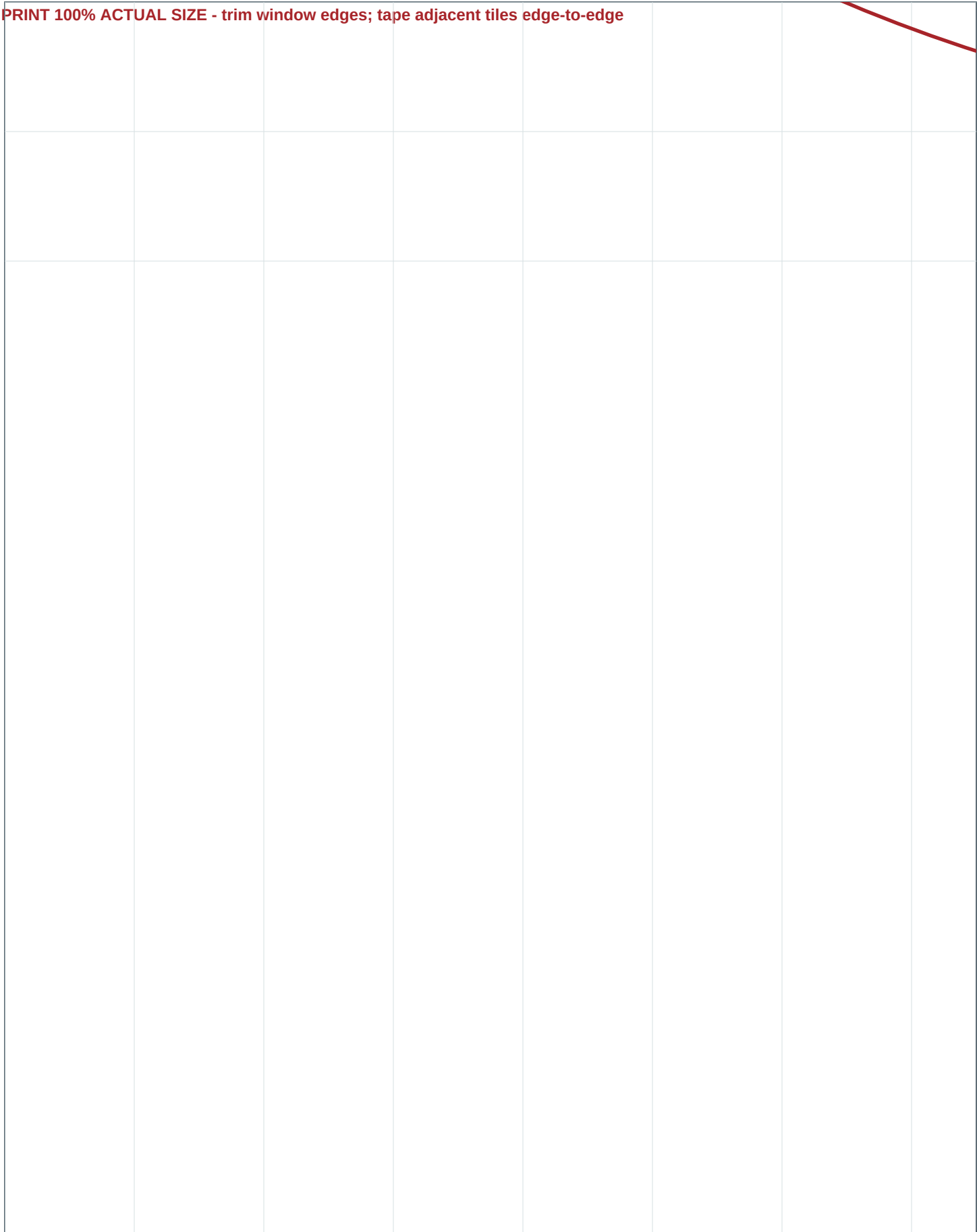


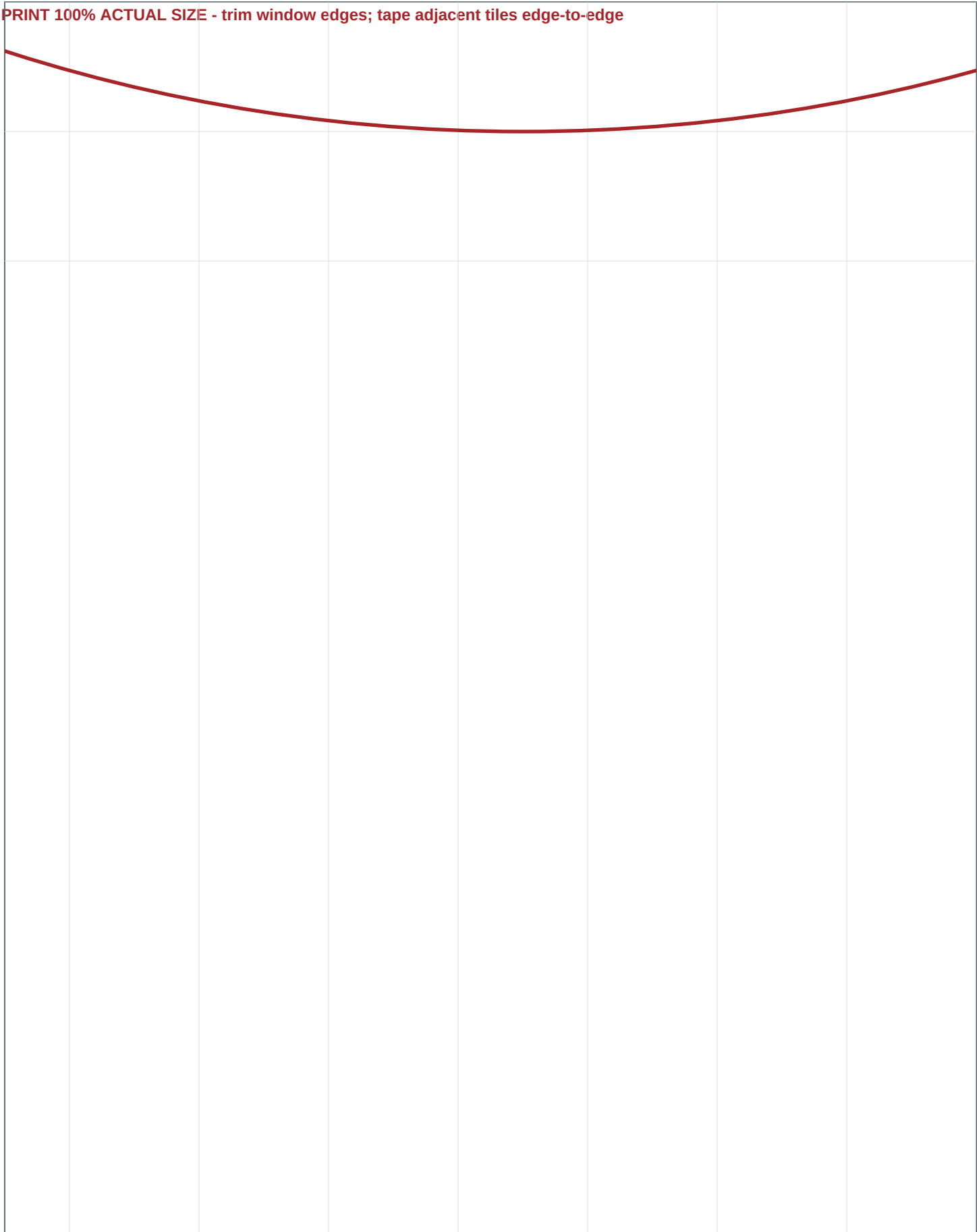
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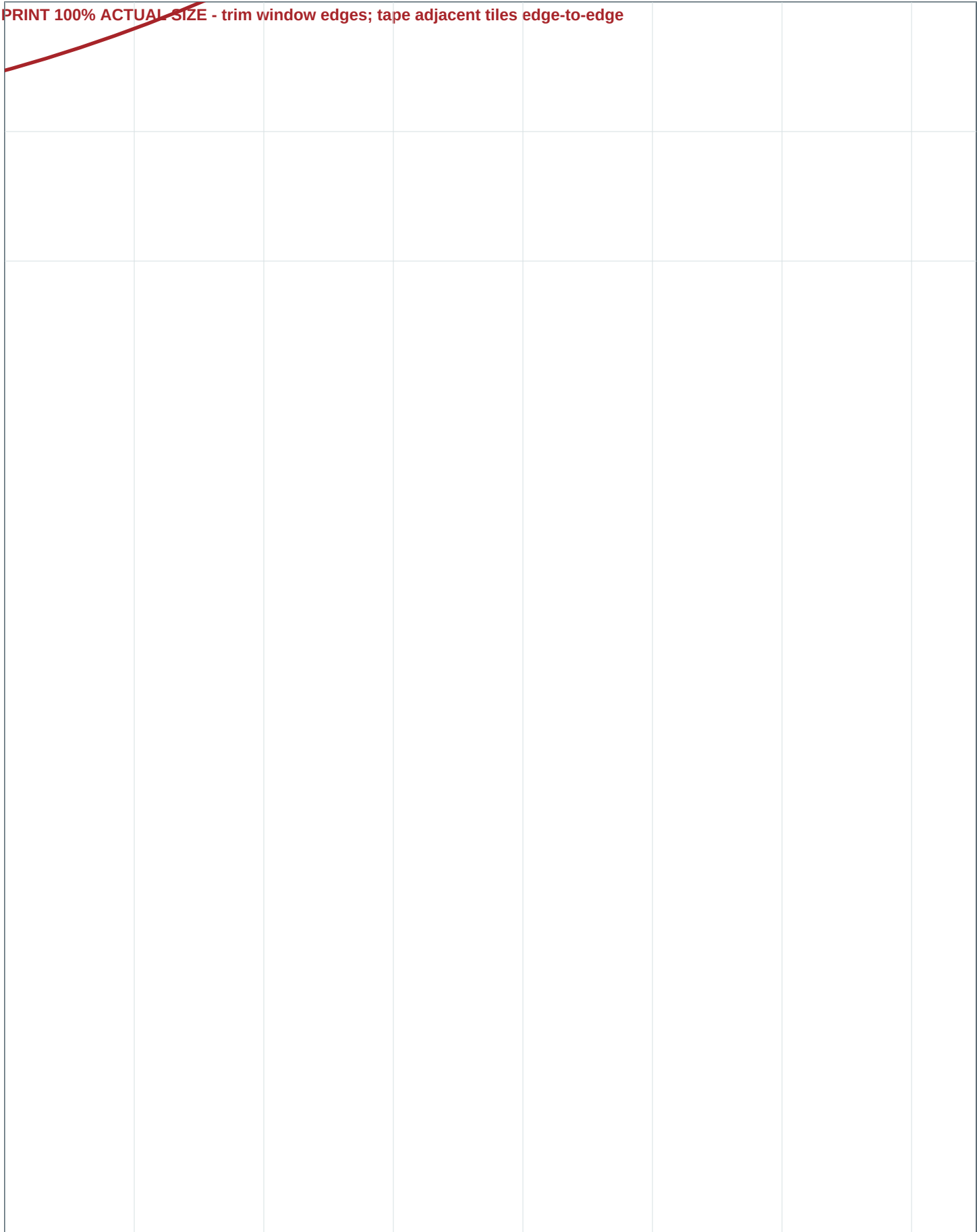


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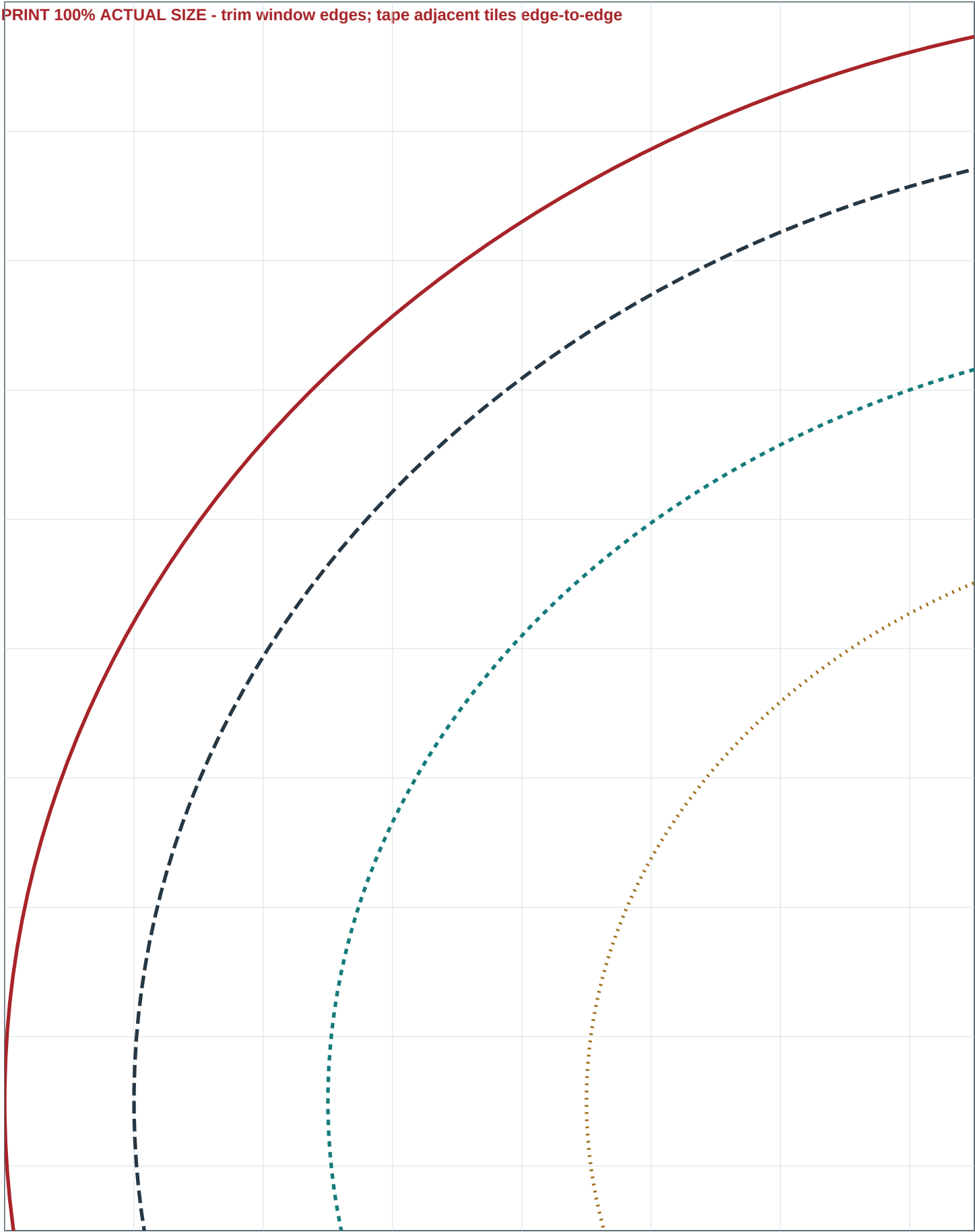




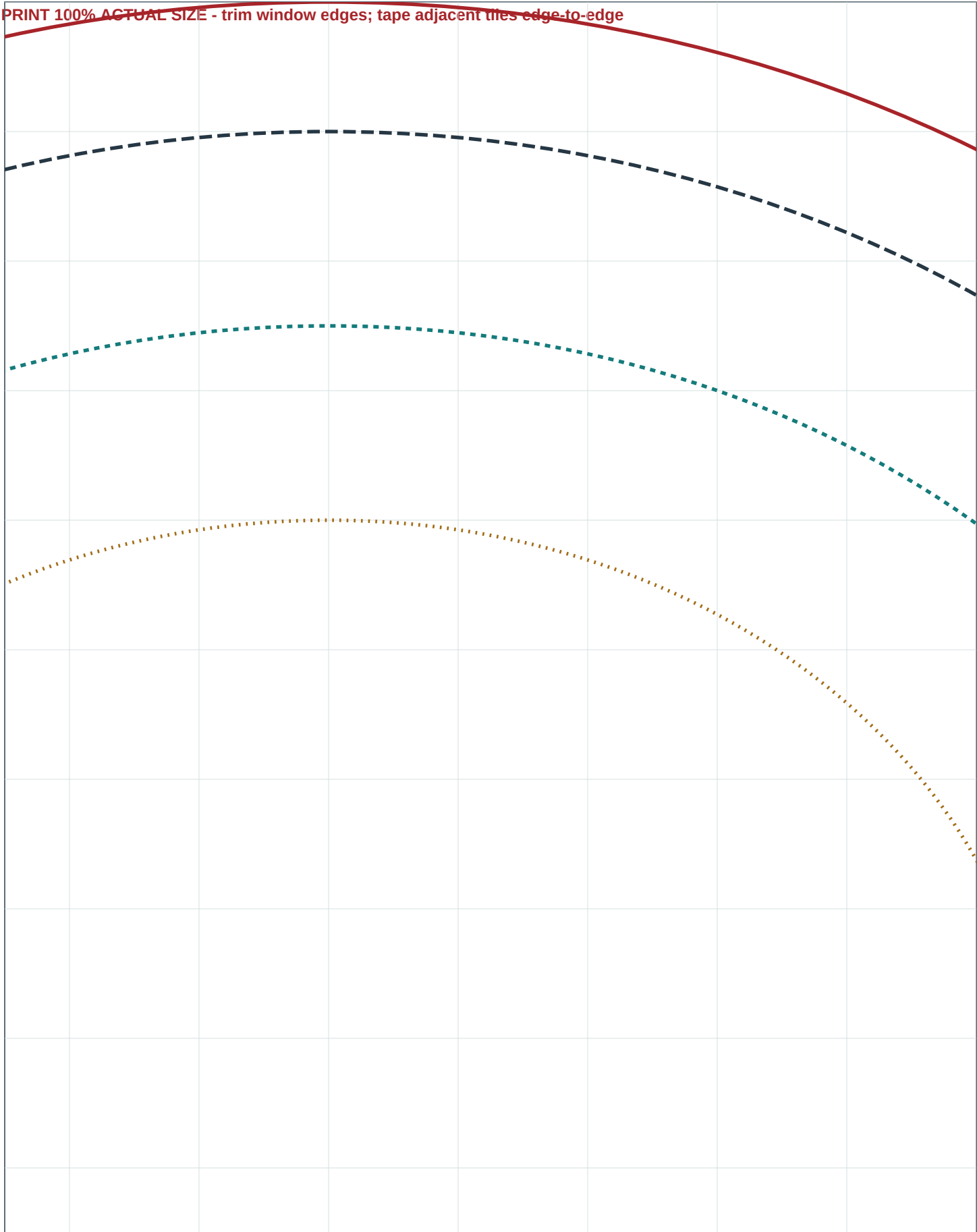


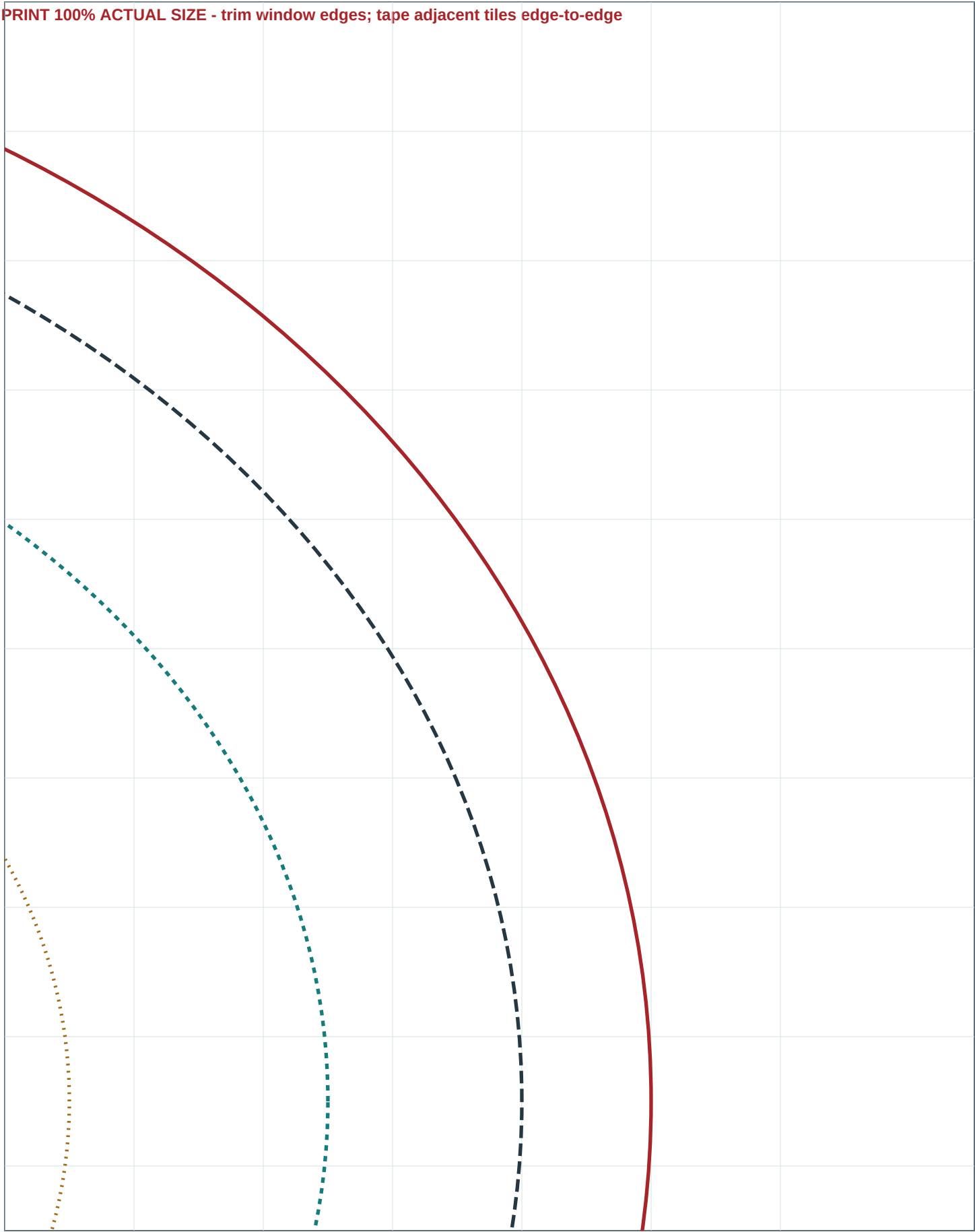
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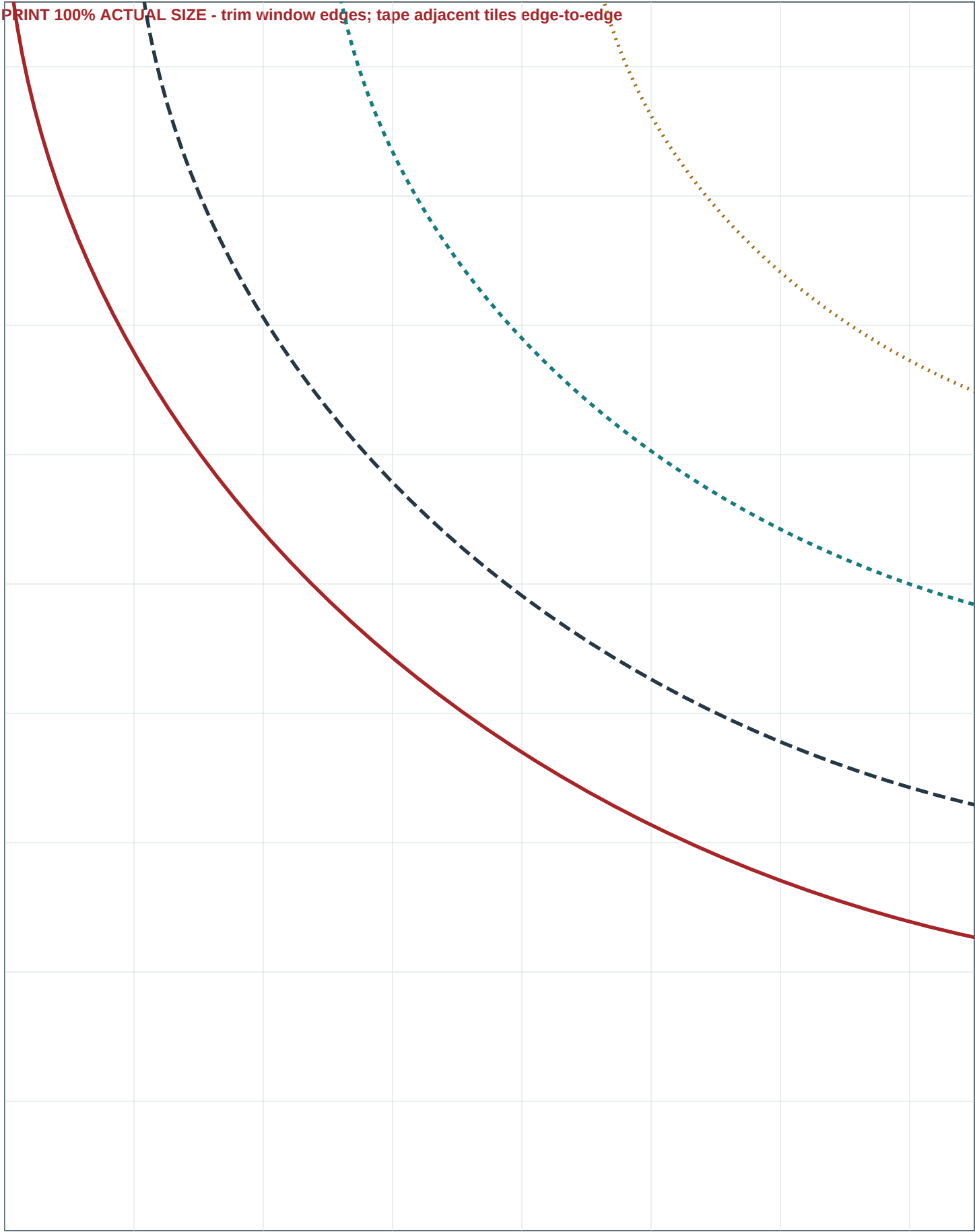
B - FOAM LAYERS (CUT 1 EACH) | TILE A1 / 2 rows x 3 columns

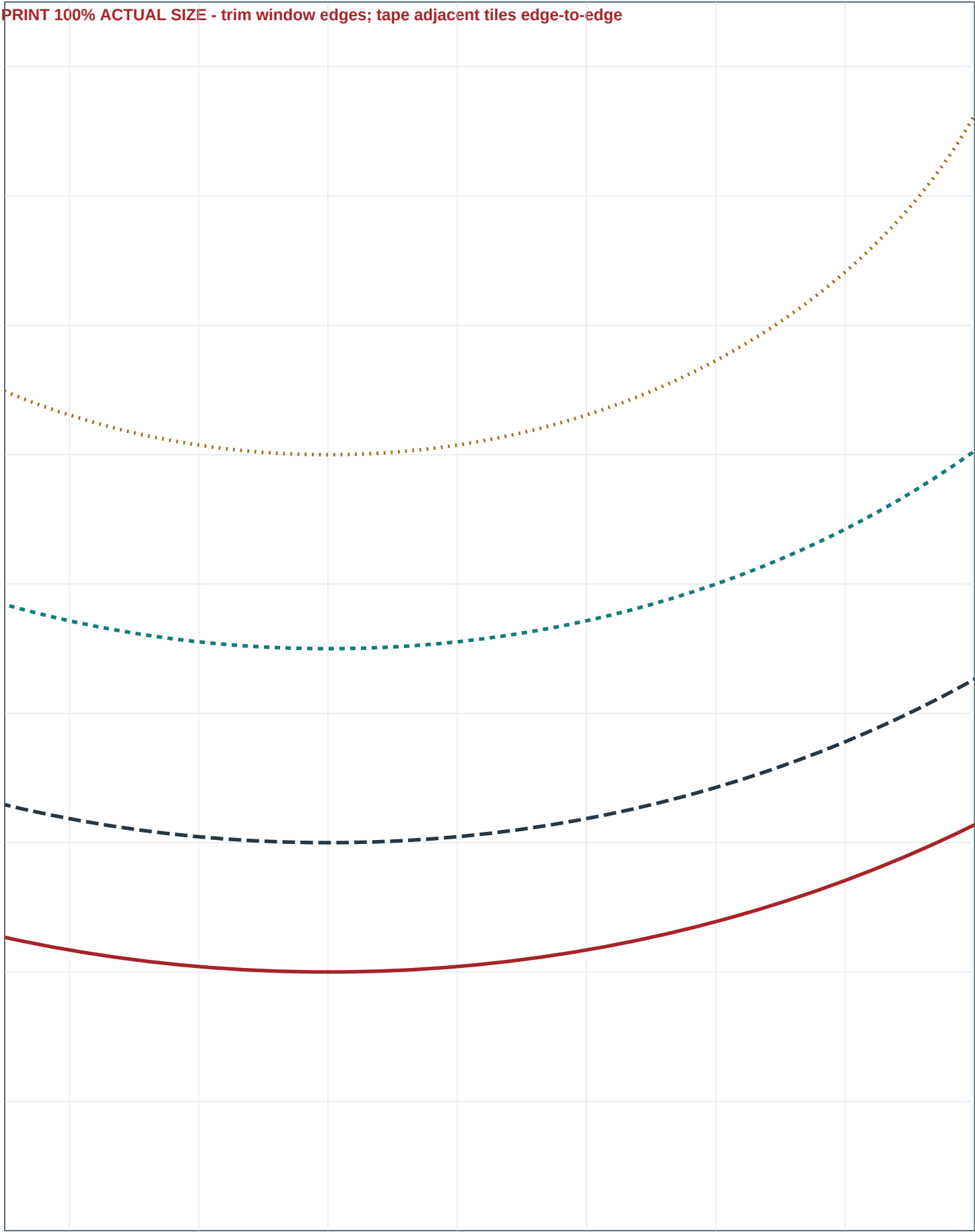


B - FOAM LAYERS (CUT 1 EACH) | TILE A2 / 2 rows x 3 columns

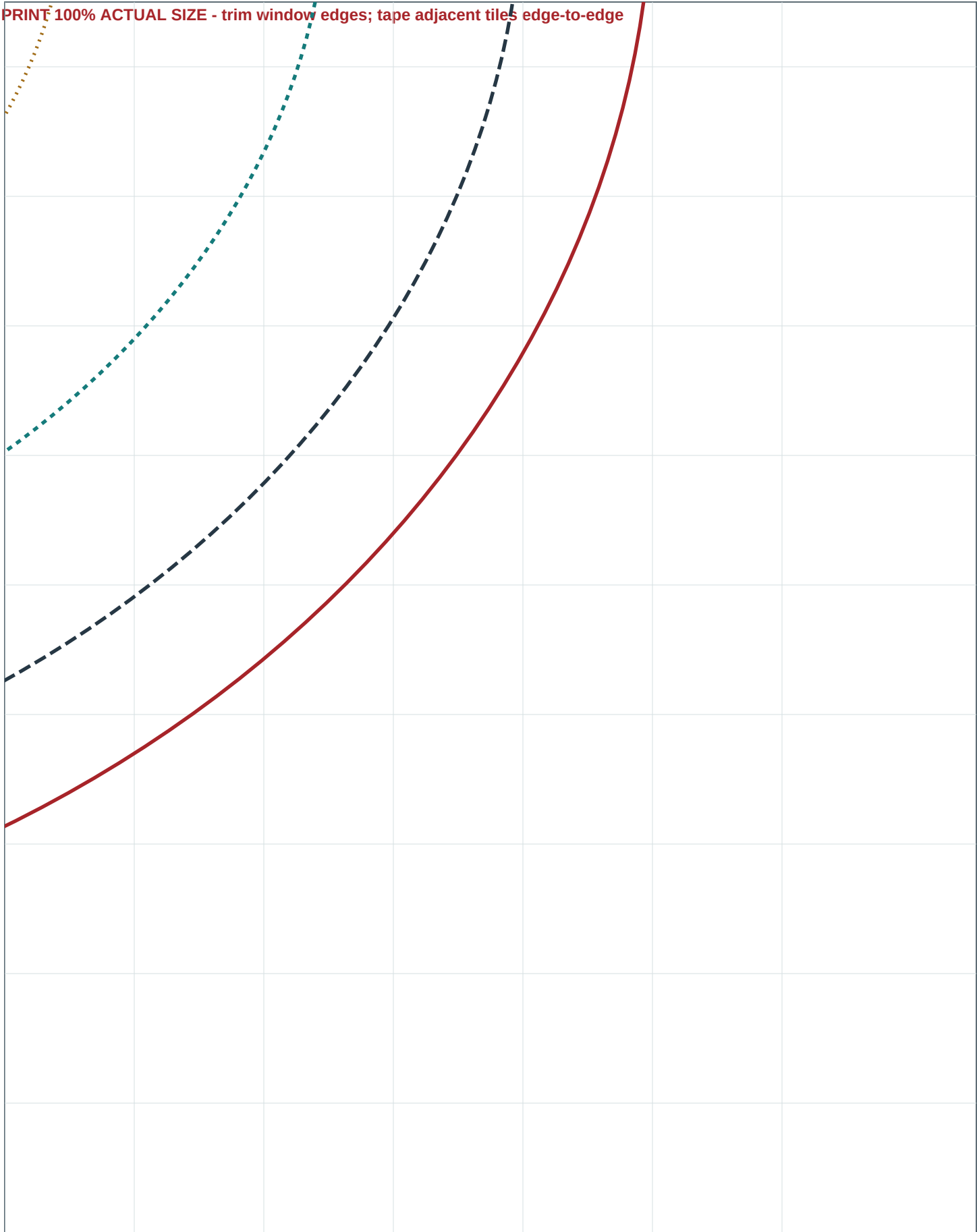








B - FOAM LAYERS (CUT 1 EACH) | TILE B3 / 2 rows x 3 columns



PATTERN KEY | Final checks

- Fabric template A: SOLID RED OUTER LINE = cut two 23 x 20 inch ovals. This cut line already includes 1/2-inch seam allowance.
- Foam template B: SOLID RED = 20 x 17 base; LONG DASH DARK = 18 x 15; SHORT DASH TEAL = 15 x 12; DOT DASH GOLD = 11 x 9. Cut one of each.
- For foam, cut to the line with NO seam allowance. Smooth the finished stacked shape by carving and rounding all steps.
- For fabric, cut a separate 5 x approximately 69 inch gusset strip using a ruler; no tiled gusset sheet is required.
- Never cut expensive material until you have checked the 1-inch calibration line and taped all tiles into a complete oval.
- This guide does not replace a wearer-specific fitting. Try a paper mock-up or inexpensive scrap-fabric sample first.

Thanks for building with Kilroy!

For photographs, materials, and the complete step-by-step article:

<https://kilroywashereshop.com/diy-santa-belly/>