

Optimized Drawer Divider Templates

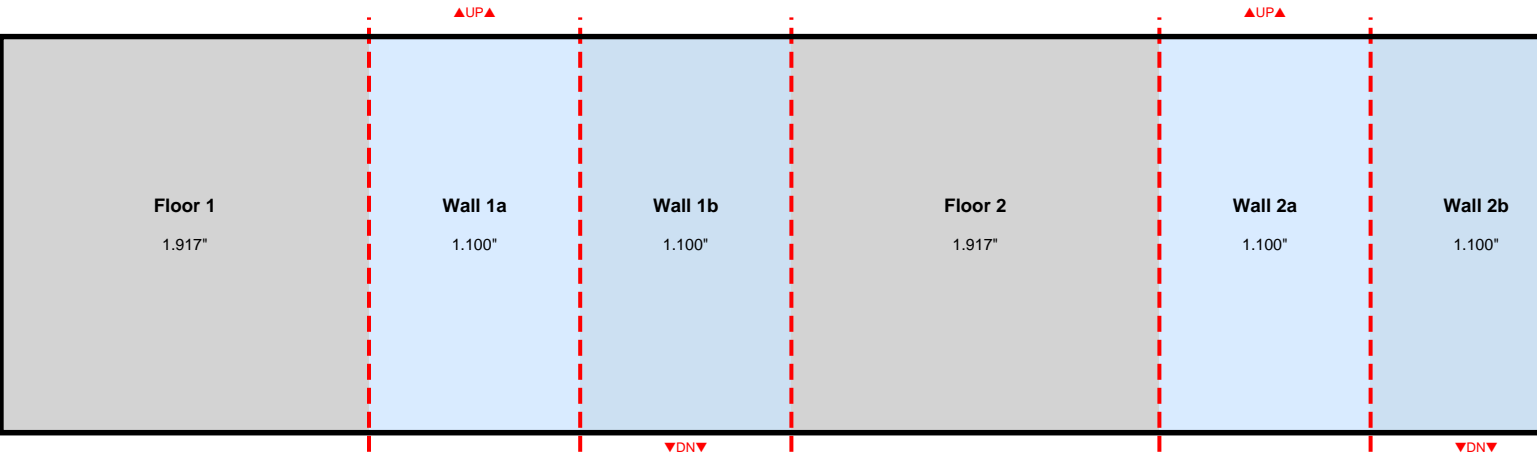
For 8.5" x 11" Cardstock — Print at 100% Scale

Material Optimization Summary:

- Strip width: 2.0625" → Cut 4 strips per sheet (across 8.5" dimension)
- 3-compartment: 10.15" — Fits in 11" strip, NO JOINT needed (1 strip each)
- 4-compartment: 12.35" — Requires joint, cut as 2 pieces:
 - Long piece (9.81"): 1 per strip
 - Short piece (2.54"): 4 per strip
 - Result: 5 strips make 4 dividers (1.25 strips each)

3-COMPARTMENT DIVIDER (No Joint Required)

Total: 10.15" — Fits in 11" strip — Length: 10.150"

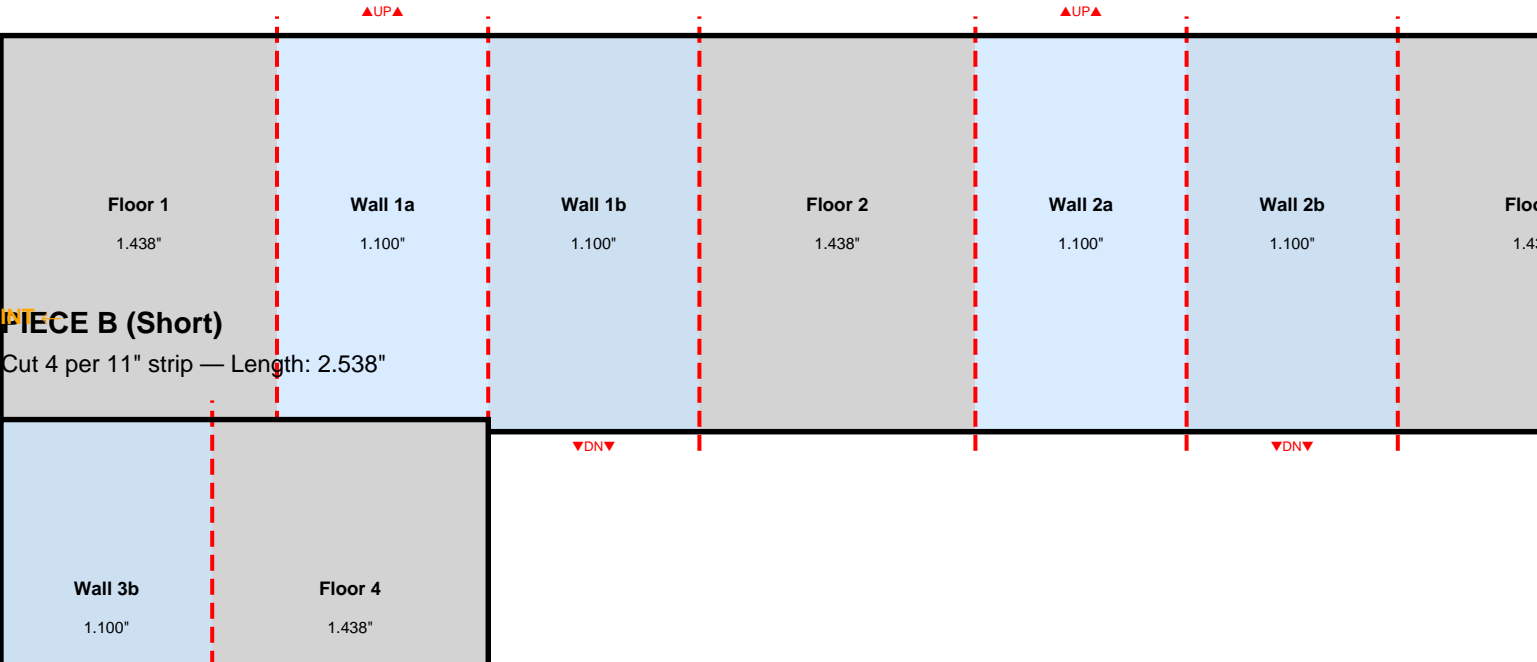


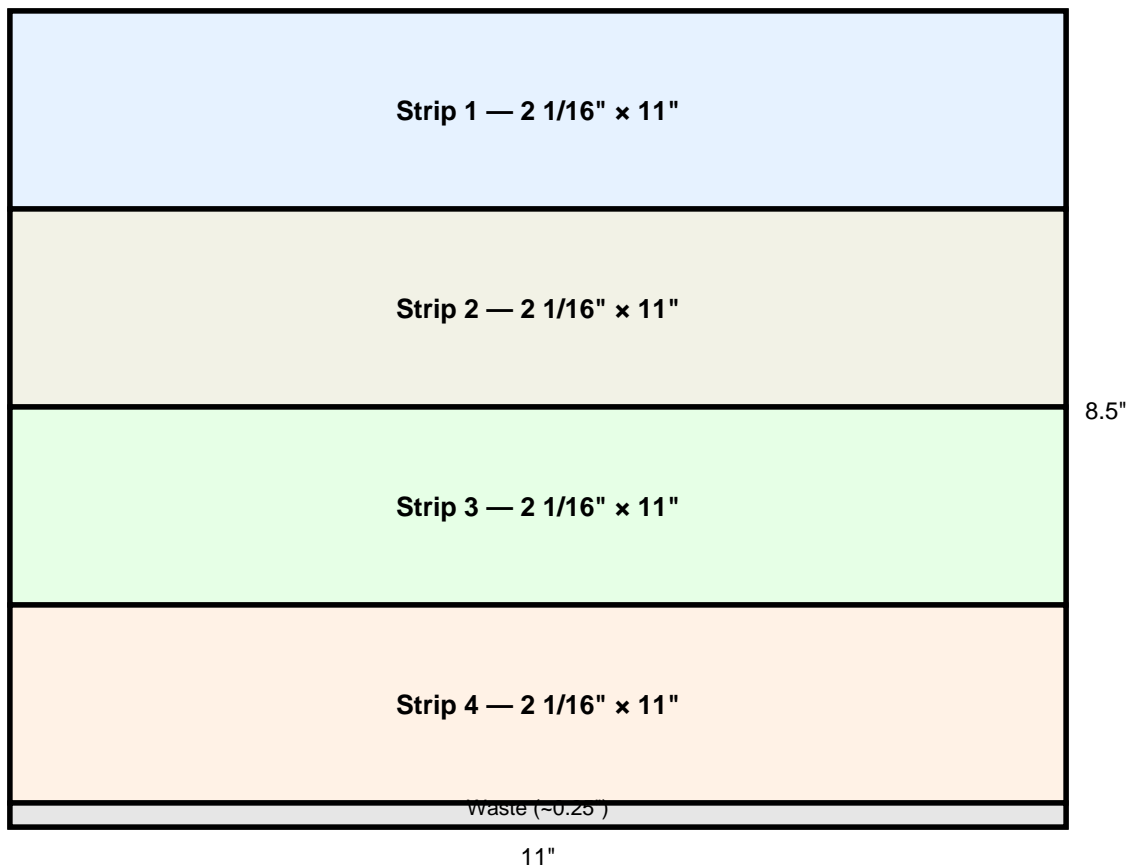
Cutting: One per 11" strip. 4 strips per sheet = 4 dividers per sheet.

4-COMPARTMENT DIVIDER (Joint at Wall 3 Peak)

NOTE: Two pieces that join at the top of Wall 3. The joint is hidden inside the double-thickness wall.

Cut 1 per 11" strip — Length: 9.812"





Strip Allocation:

FOR 3-COMPARTMENT: 1 strip = 1 divider (cut full 10.15" piece)

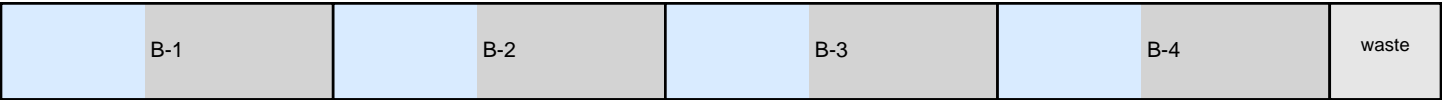
FOR 4-COMPARTMENT:

- Long piece strips: Cut one 9.81" Piece A per strip
- Short piece strips: Cut four 2.54" Piece B per strip

Example batch of 4 dividers needs:

- 4 strips for Piece A (one each)
- 1 strip for Piece B (four fit on one strip)
- Total: 5 strips = 1.25 sheets

Piece B Layout (4 per strip):



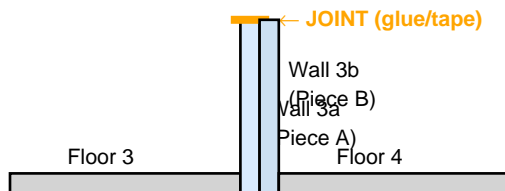
$4 \times 2.538" = 10.15" \text{ used, } 0.85" \text{ waste}$

Assembly Instructions

Joining Pieces A and B (4-Compartment Only)

1. Fold Piece A: Make all folds (Floor→Wall 1a↑→Wall 1b↓→Floor→Wall 2a↑→Wall 2b↓→Floor→Wall 3a↑)
2. Prepare the joint:
 - Apply a thin line of glue to the TOP edge of Wall 3a (the last section of Piece A)
 - Or use a small piece of tape on the inside
3. Attach Piece B:
 - Align Wall 3b flush with Wall 3a
 - Press together — the joint is now sandwiched inside the double-wall
4. Complete the fold:
 - Fold Wall 3b DOWN to complete the double-thickness wall
 - Floor 4 should now be level with the other floors
5. Insert into drawer — all floors lie flat, walls stand upright between them

Joint Detail (Side View):



Materials Calculator

Example: 50 bins with 4-compartment + 10 bins with 3-compartment

4-compartment (50 dividers):

- Piece A: 50 strips
- Piece B: $50 \div 4 = 13$ strips (with 2 spare pieces)
- Total: 63 strips = 16 sheets

3-compartment (10 dividers):

- 10 strips = 3 sheets (with 2 spare strips)

GRAND TOTAL: ~19 sheets of 8.5" × 11" cardstock

Dimension Quick Reference

4-Compartment Piece A (Long) — 9.8125"

Section	Width	Cumulative
Floor 1	1.4375"	0.0000" → 1.4375"
Wall 1a	1.1000"	1.4375" → 2.5375"
Wall 1b	1.1000"	2.5375" → 3.6375"
Floor 2	1.4375"	3.6375" → 5.0750"
Wall 2a	1.1000"	5.0750" → 6.1750"
Wall 2b	1.1000"	6.1750" → 7.2750"
Floor 3	1.4375"	7.2750" → 8.7125"
Wall 3a	1.1000"	8.7125" → 9.8125"
TOTAL: 9.8125"		

4-Compartment Piece B (Short) — 2.5375"

Section	Width	Cumulative
Wall 3b	1.1000"	0.0000" → 1.1000"
Floor 4	1.4375"	1.1000" → 2.5375"
TOTAL: 2.5375"		

3-Compartment (Full) — 10.15"

Section	Width	Cumulative
Floor 1	1.9167"	0.0000" → 1.9167"
Wall 1a	1.1000"	1.9167" → 3.0167"
Wall 1b	1.1000"	3.0167" → 4.1167"
Floor 2	1.9167"	4.1167" → 6.0333"
Wall 2a	1.1000"	6.0333" → 7.1333"
Wall 2b	1.1000"	7.1333" → 8.2333"
Floor 3	1.9167"	8.2333" → 10.1500"
TOTAL: 10.1500"		

Verification Ruler (confirm 100% print scale):

