

DROP SPINE BOX

Double wall
No ruler, no jig
Measure carefully!!
Mark pieces well

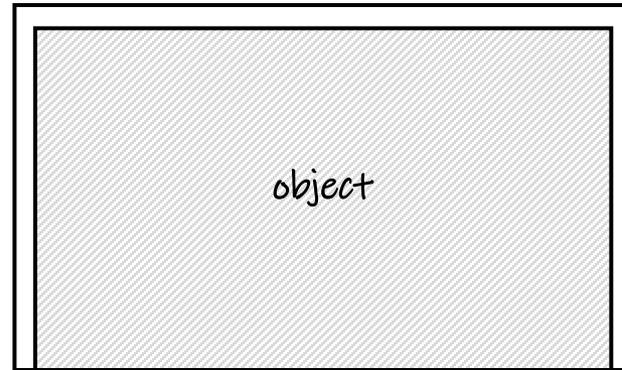
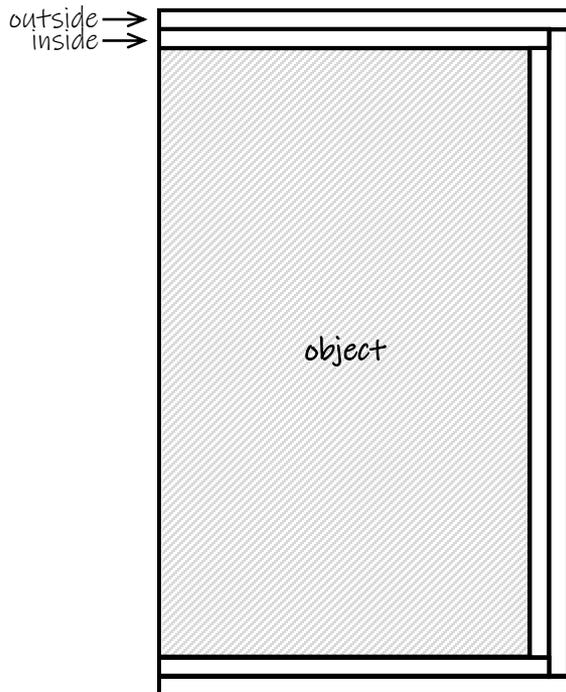
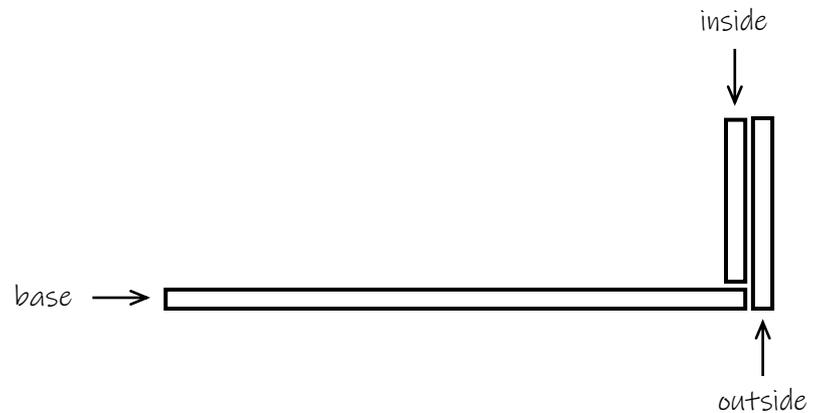


Diagram of walls for most strength



- Inside wall sits on tray
- Outside wall sits off tray



BOTTOM TRAY

1. Mark the dimensions of book on binder's board.
2. Trim binder's board to sizes for the bottom tray.

Tray base = object + [1BT + cloth + tiny extra] on 3 walls

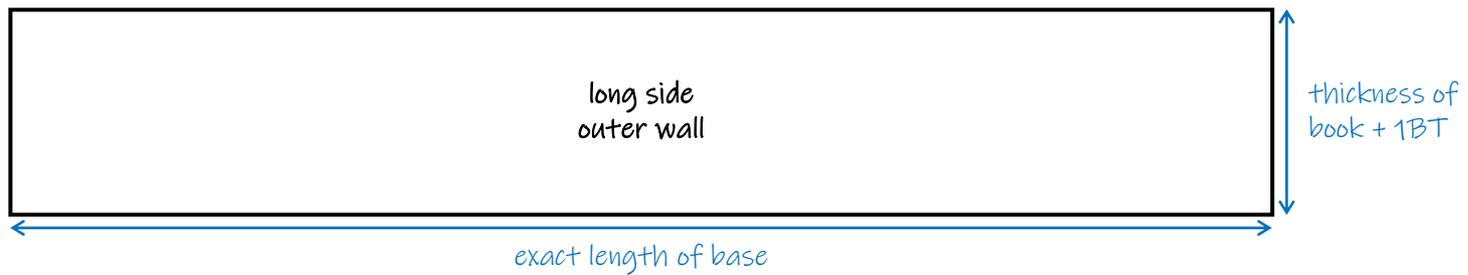
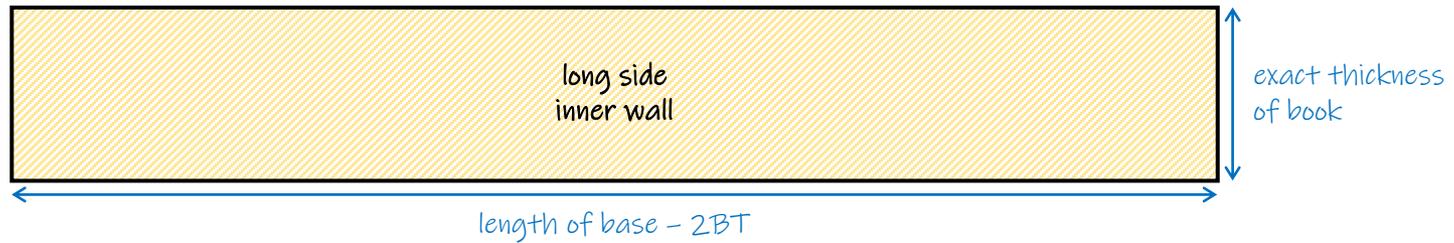
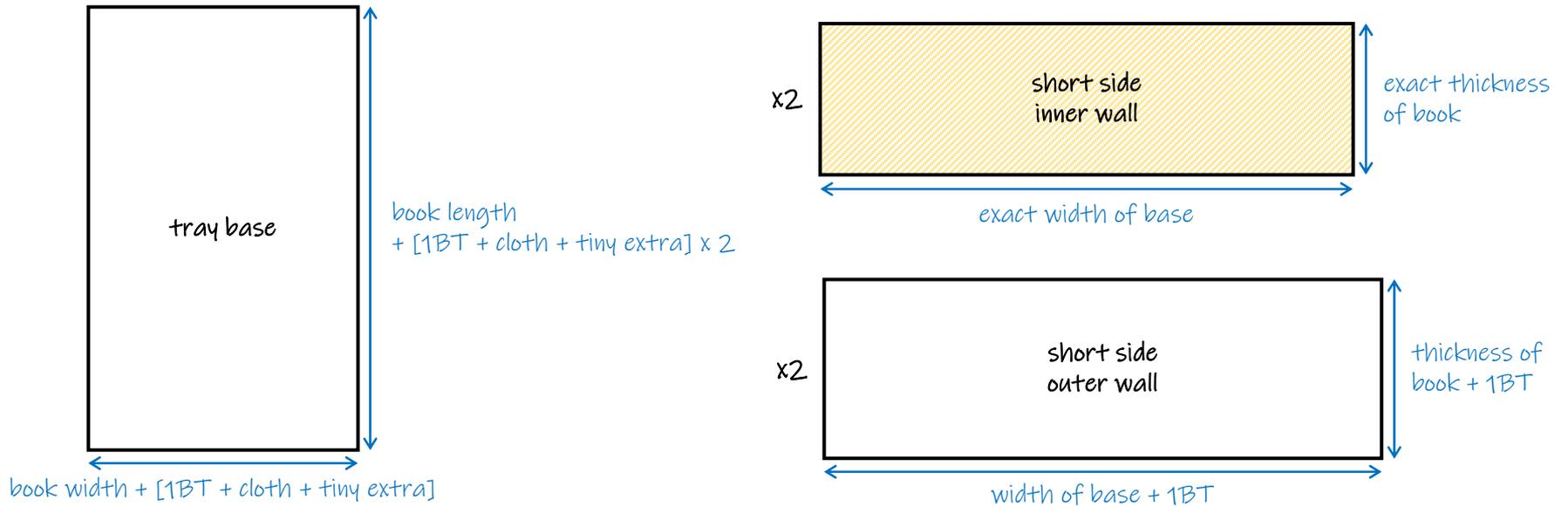
Inner short side walls (x2) = exact thickness of book x exact width of base

Inner long side walls (x1) = exact thickness of book x [length of base - 2BT]

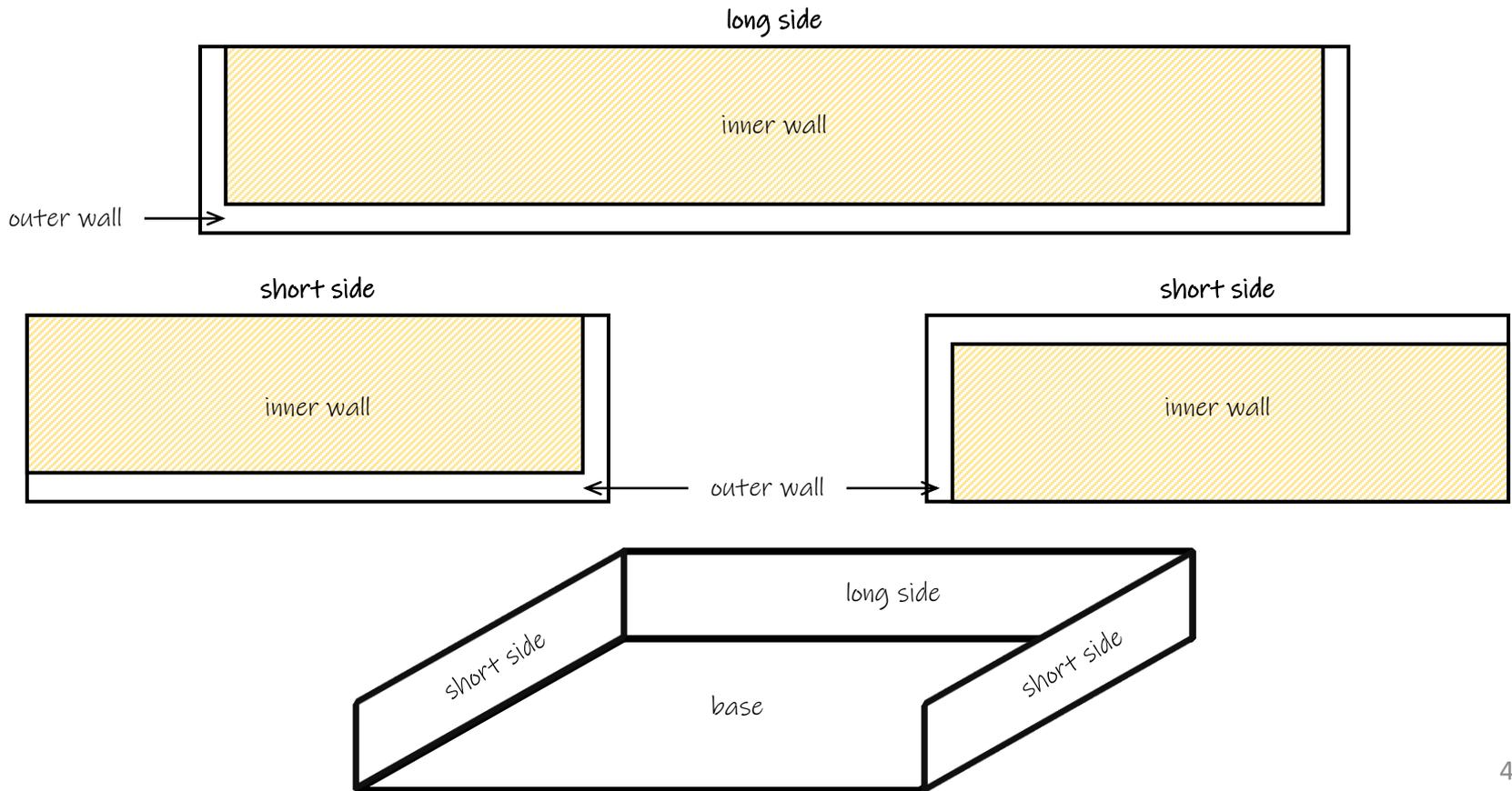
Outer short side walls (x2) = [thickness of book + 1BT] x [width of base + 1BT]

Outer long side walls (x1) = [thickness of book + 1BT] x exact length of base

- BT = board thickness
- Base board grain goes parallel to the book's grain
- Keep walls same grain—mark pieces carefully

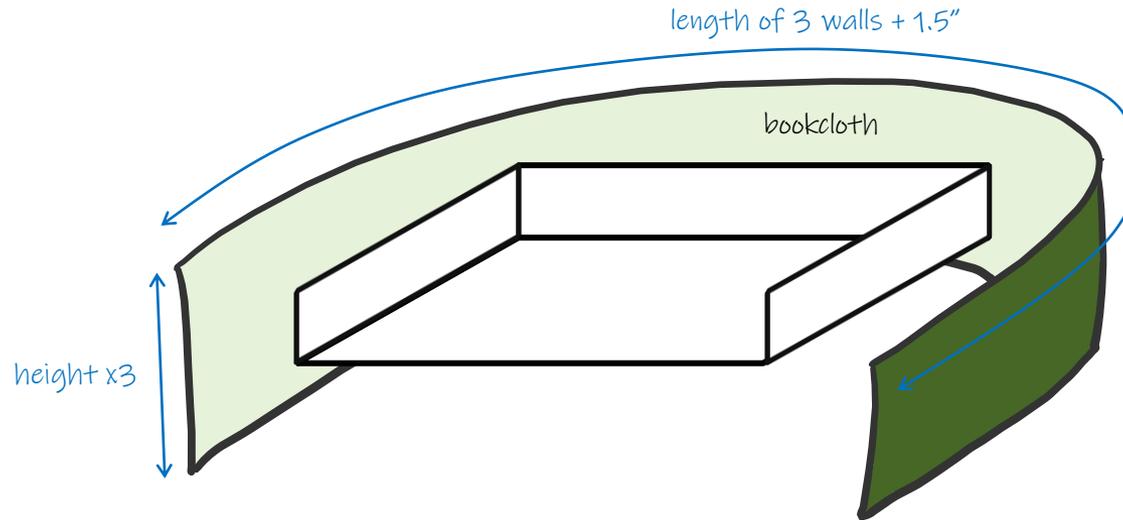


3. Set pieces in place and make any adjustments.
4. Glue inside walls to outside walls and dry in a press for an hour.
 - Apply PVA and then wait for ~20 sec before pressing.
 - Work on a piece of scrap mylar.
 - Sand anything that sticks out.
5. Glue the walls to the tray.
 - Use wooden cubes to straighten the wall attachment.



6. Cut a piece of bookcloth.

- $[\text{Height of wall} \times 3 + \text{extra}] \times [\text{Length of 3 walls} + 2"]$



7. Mark where the tray sits on the bookcloth.

- Bottom: leave ~1\".

- Top: leave enough to go over the walls & onto the base.

8. Glue out the outside of the tray walls.

9. Adhere the bookcloth by "walking" the tray sideways.

- Pull the cloth tightly to avoid gaps on the corners.

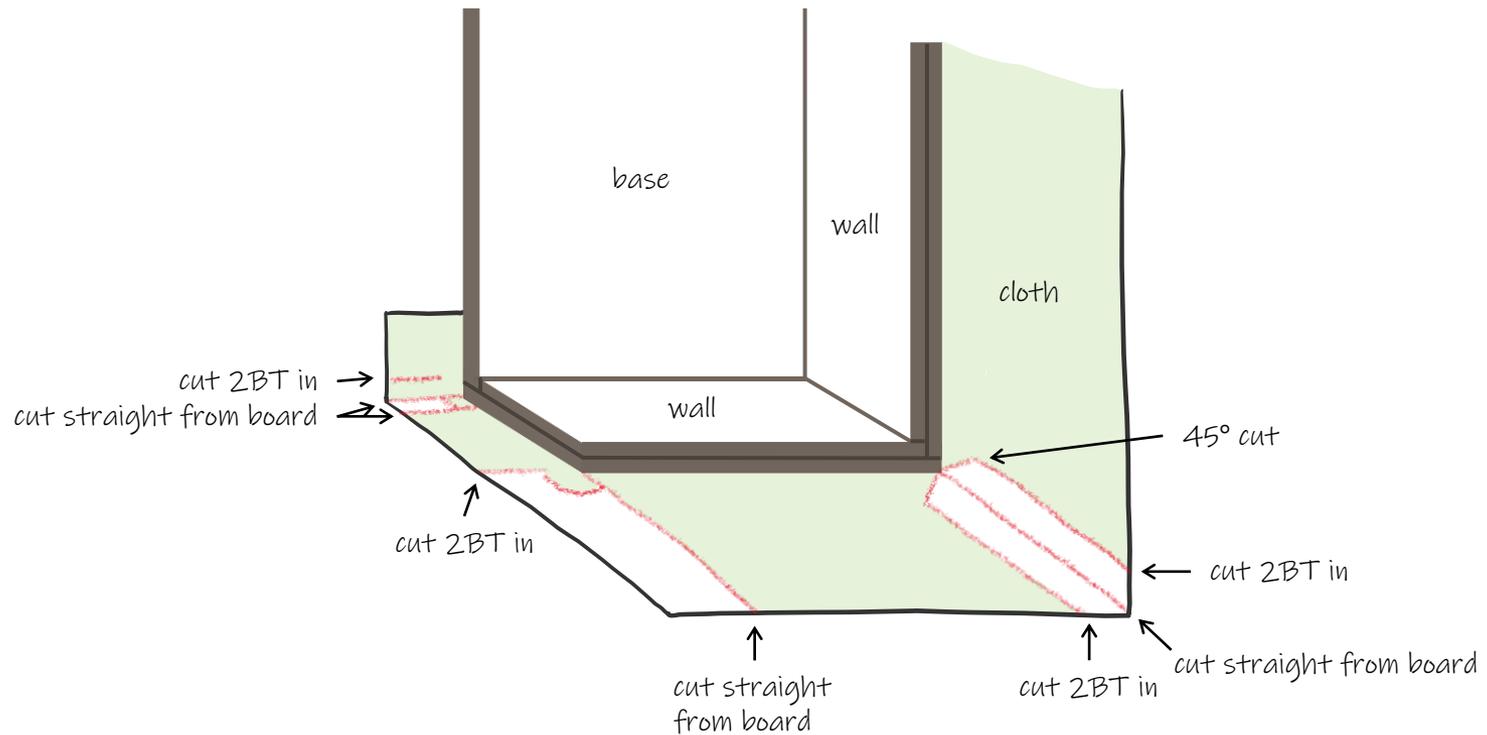
- Use Teflon folder to bone it down.

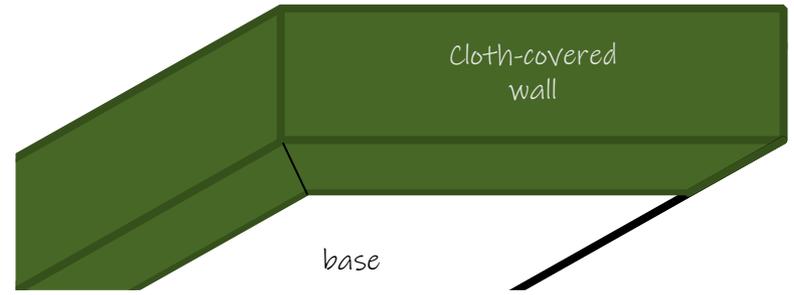
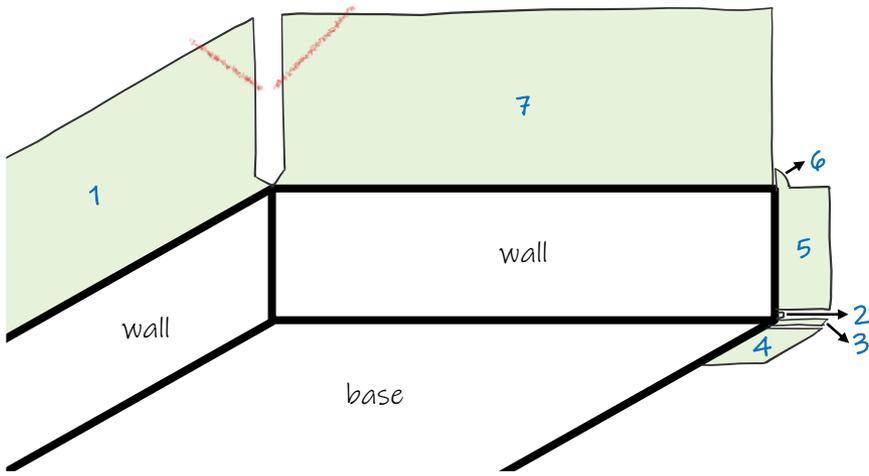
10. Bottom of the tray:

- Roughly trim the corners of the bookcloth diagonally.
- Glue out the bookcloth on the bottom and adhere to the tray.

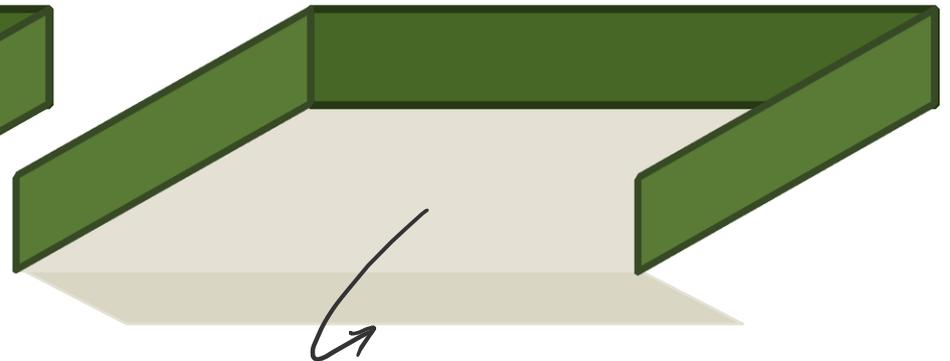
11. Top of the tray:

- Make cuts on the corners, as shown in the diagrams.





12. Fold cloth over walls and trim in 45° at the corners.
13. Glue the flaps in order of long side—flaps—short side.
14. Line inside of tray with Mohawk or Permalife.
 - From corners (~1/4" in) around the 4th edge about 1".



TOP TRAY

15. Make the top tray using same procedure as the bottom tray.
 - Start from dimensions of the bottom tray instead of the object.
 - Do not add "tiny extra" to the tray base.

COVER

16. Trim binder's board to sizes for the cover.

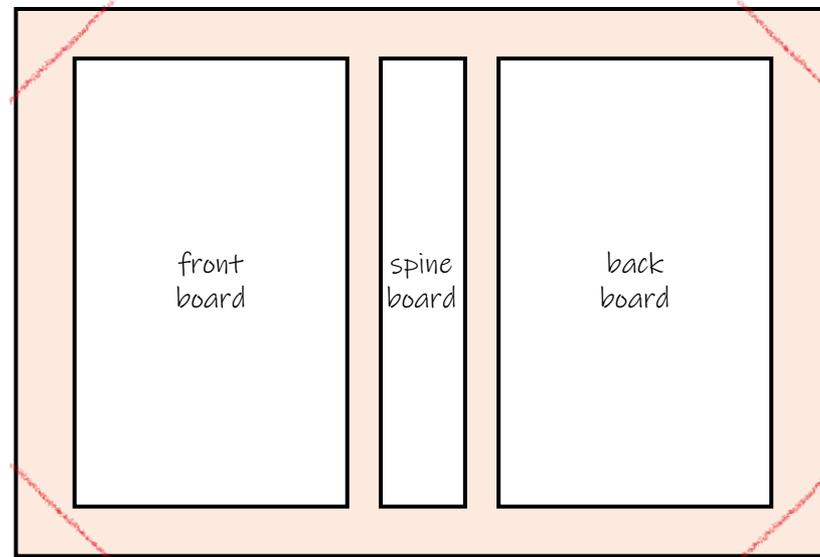
Front & back boards = width x length of top tray + extra on 3 sides for a "lip"

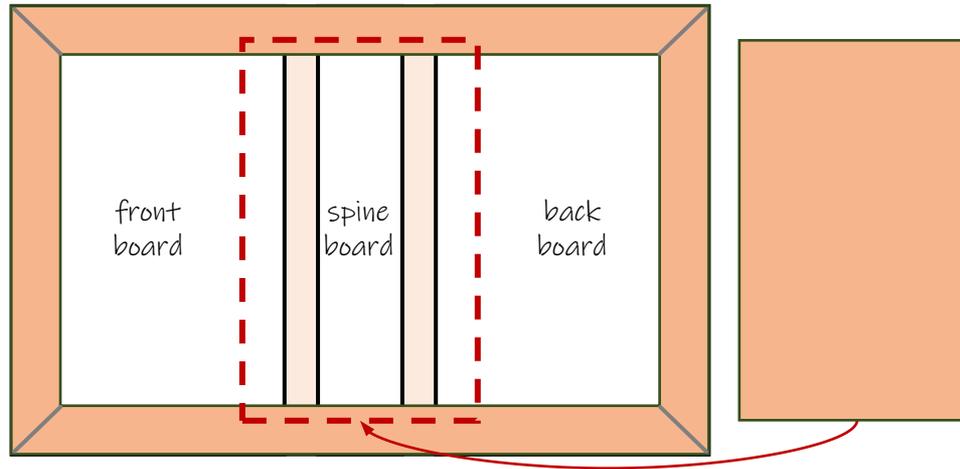
Spine board = thickness of top tray x length of front & back boards

17. Cut a piece of bookcloth bigger than the boards.

18. Attach boards to the cloth.

Space between boards = [1BT + 6 cloth] or 2BT



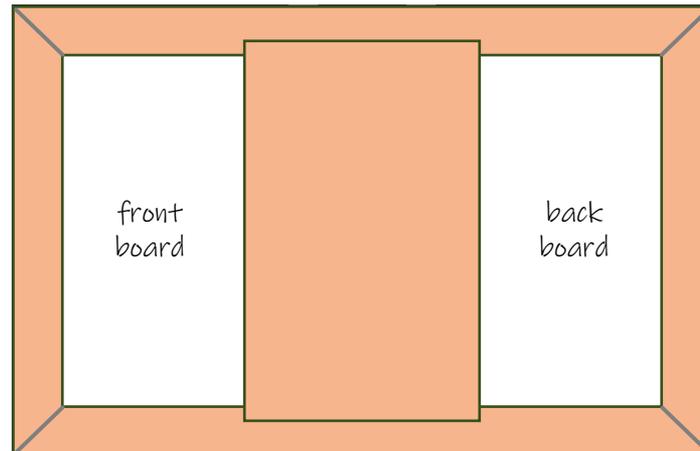


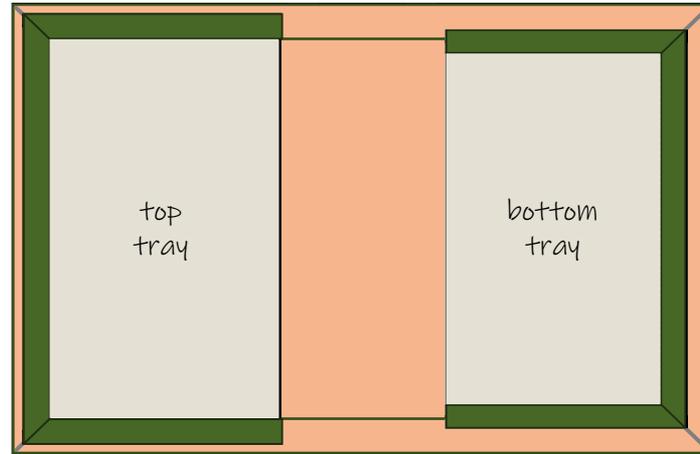
19. Trim the corners of the cloth and make the turn-ins.

20. Cut a piece of bookcloth to cover the inner center of the cover.

Length = slightly shorter than bottom tray's length

Width = wide enough to cover the edge of each board





21. Attach the bottom tray first to the cover's back board.

- Mark where the tray sits using small pieces of masking tape.
- After gluing, nip in a press for at least 5 mins.
- Place a board on the tray and wooden blocks before placing in a press.

22. Attach the top tray to the cover's front board.

- Position top tray by placing on the bottom tray.
- Nip in a press for at least 5 mins.

23. Dry completely under weight.