



The Craftsman's Guide: LUBANN Barn Door Assembly & Care

Step-by-step instructions for assembling, finishing, and
protecting your American knotty alder barn door.

Made in the US

NHLA Inspected Alder Hardwood



Welcome to the LUBANN Family

Your door is crafted from American hardwood knotty alder, uniquely graded to embody the natural, rustic appeal of the authentic American farmhouse style.

Stop before assembly. Inspect your pieces. If any items are missing, severely warped, or damaged upon arrival, contact us immediately. We will save you time and replace damaged pieces directly.

Tool Tray



Phone: 909-445-0404



Email: lubannus@gmail.com



Web: www.lubannus.com

Understanding Your Alder Wood

These natural characteristics are not defects—they are the fingerprints of authentic rustic wood.



Knots: Sizes will vary from tight pinholes to over an inch wide.



Bark Pockets: Areas where natural bark is partly or completely enclosed in the board.



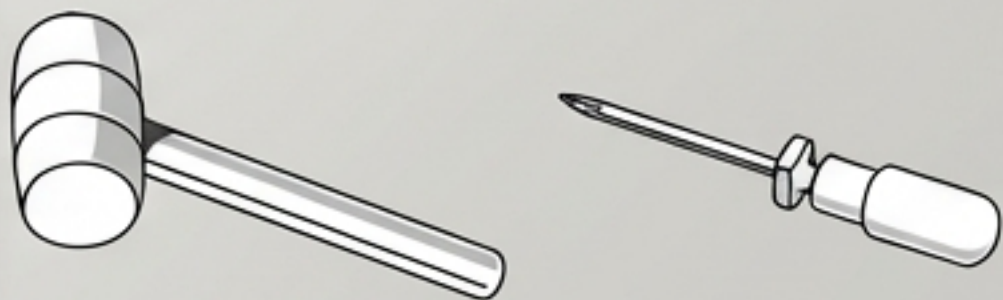
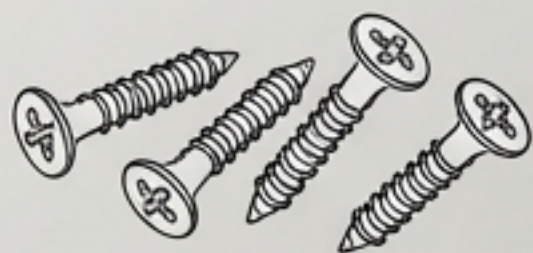
Checking: Surface stress cracks going across the grain, caused naturally by the seasoning process.



Shake: Natural separation along the grain of the wood.

Workspace Prep & Safety Requirements

Tool Tray



Required Tools: Mallet, Phillips Screwdriver.

Pro-Tip: Sharp tools prevent surface damage; caution prevents stripped screws.



CA Prop 65 Warning: Drilling, sawing, sanding, or machining generates wood dust. **Wear a dust mask.**

Lifting: 2-Person Lift required to avoid physical injury and product damage.

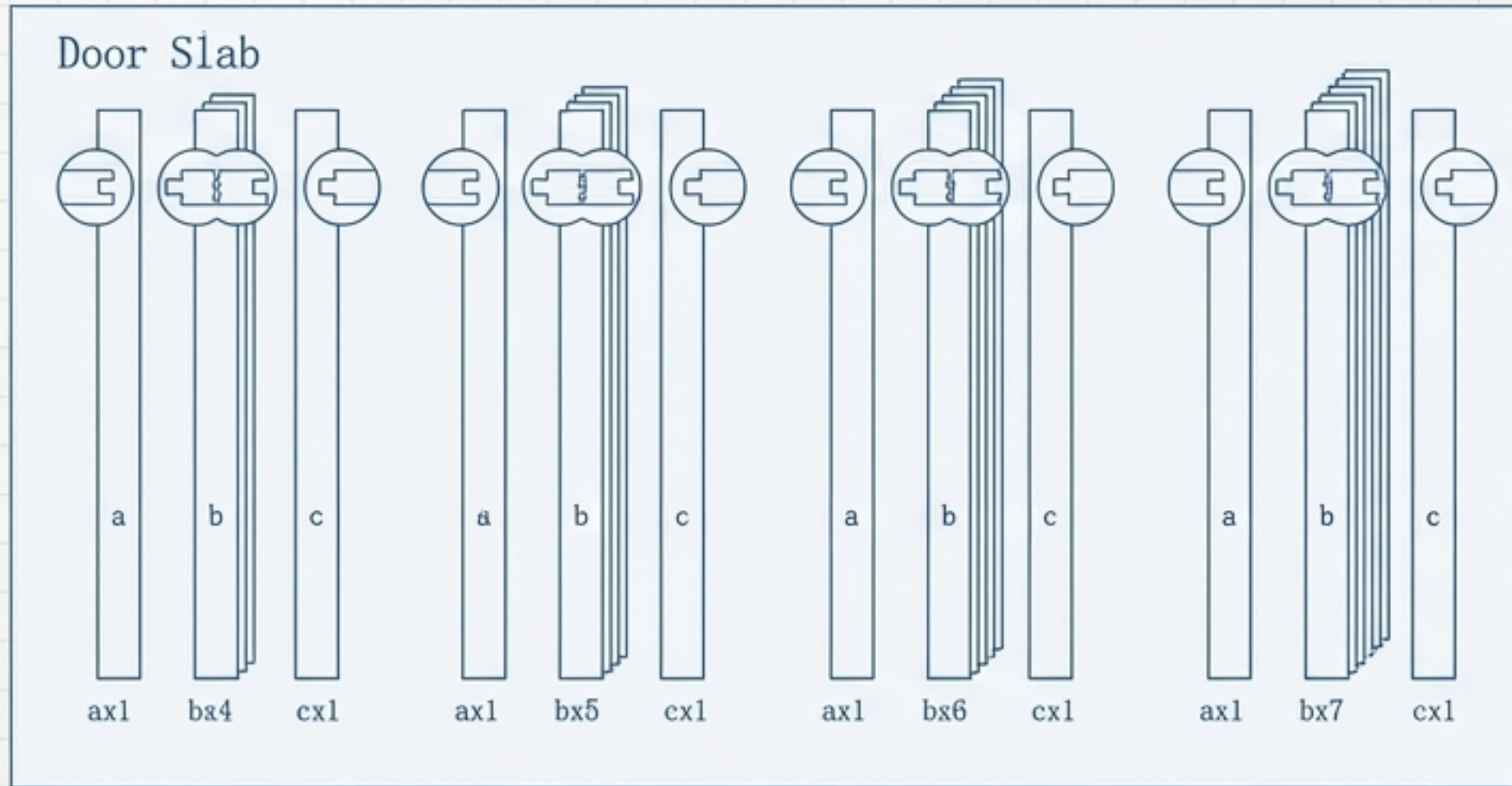
Brass Plaque

DO NOT store in damp areas or direct sunlight.

DO NOT install until surrounding sheetrock is painted and 100% dry.

DO store flat in a dry space with moderate heat (50-70°F).

The Master Inventory (By Door Size)



Sizing Matrix

28 x 84 Door → 1x A, 4x B, 1x C

30 x 84 Door → 1x A, 5x B, 1x C

36 x 84 Door → 1x A, 6x B, 1x C

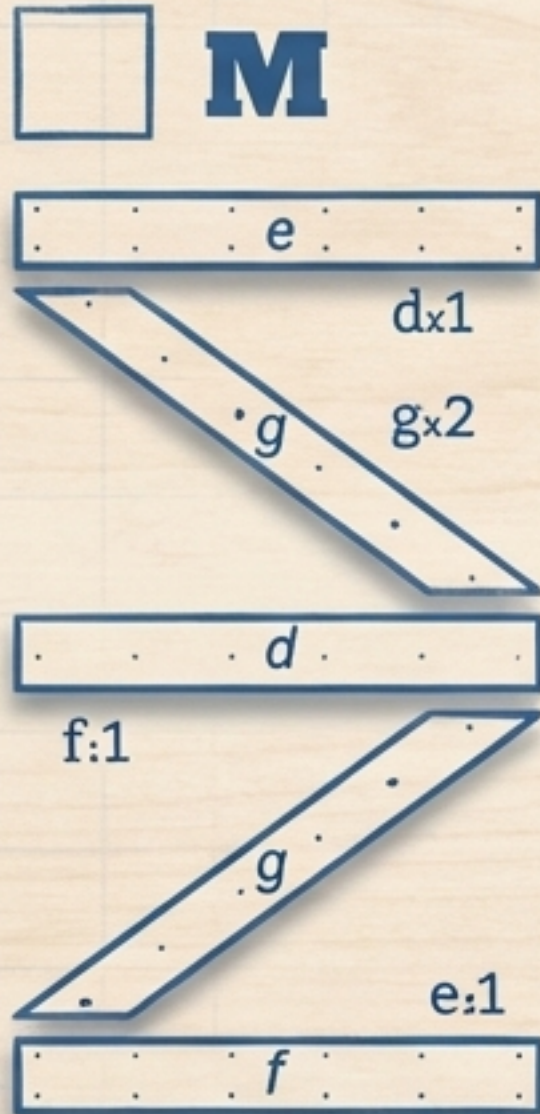
42 x 84 Door → 1x A, 7x B, 1x C



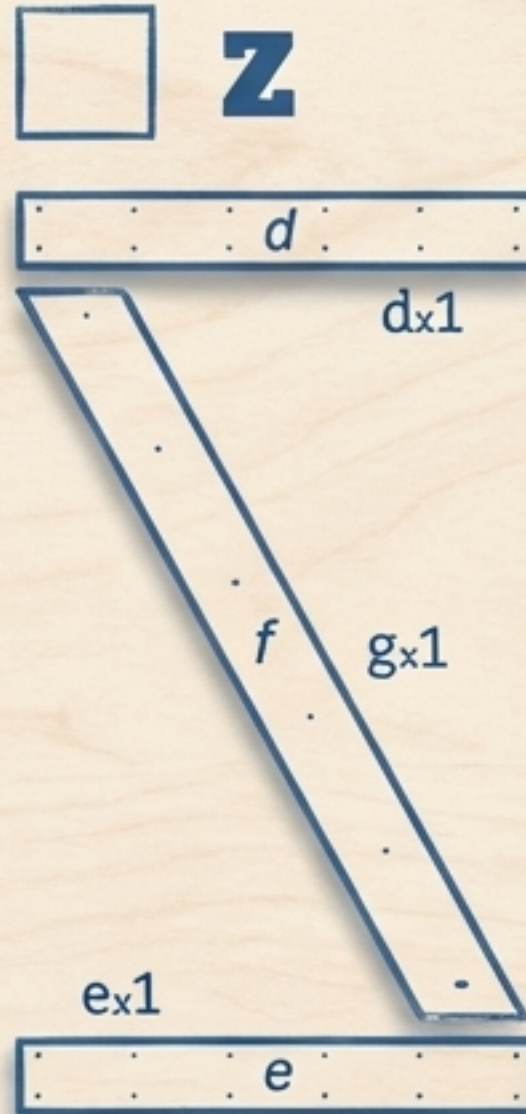
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Pro-Tip: Planks A and C (the outer stiles) are pre-attached with 4" x $\frac{3}{8}$ " thick boards on both the front and back sides. They are intentionally thicker than the 'B' planks.

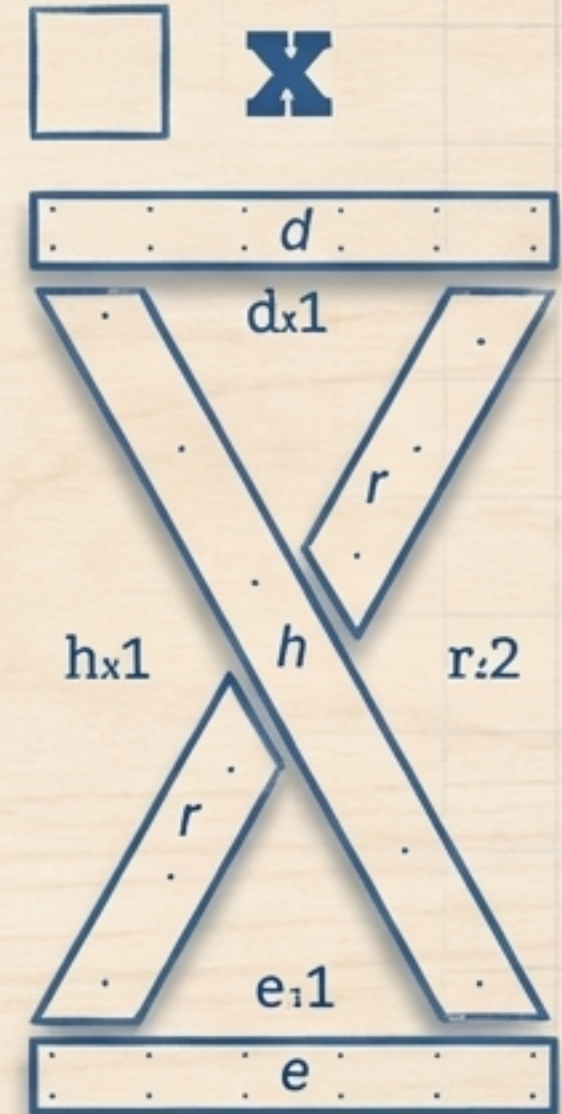
Choosing Your Overlay Style



Style M: Horizontal Heavy.
Uses sequential horizontal 'g' and 'f' planks.



Style Z: Classic Barn.
Features a single, continuous diagonal 'f' plank to create the iconic Z-brace.

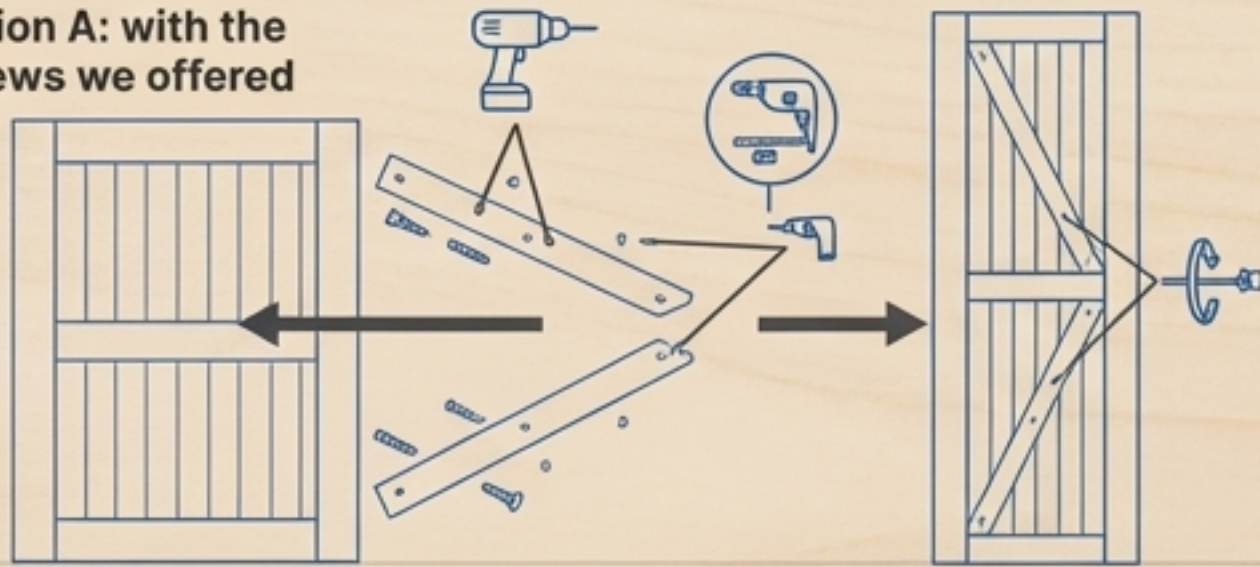


Style X: Farmhouse Cross.
Intersecting 'r' and 'h' diagonal planks.

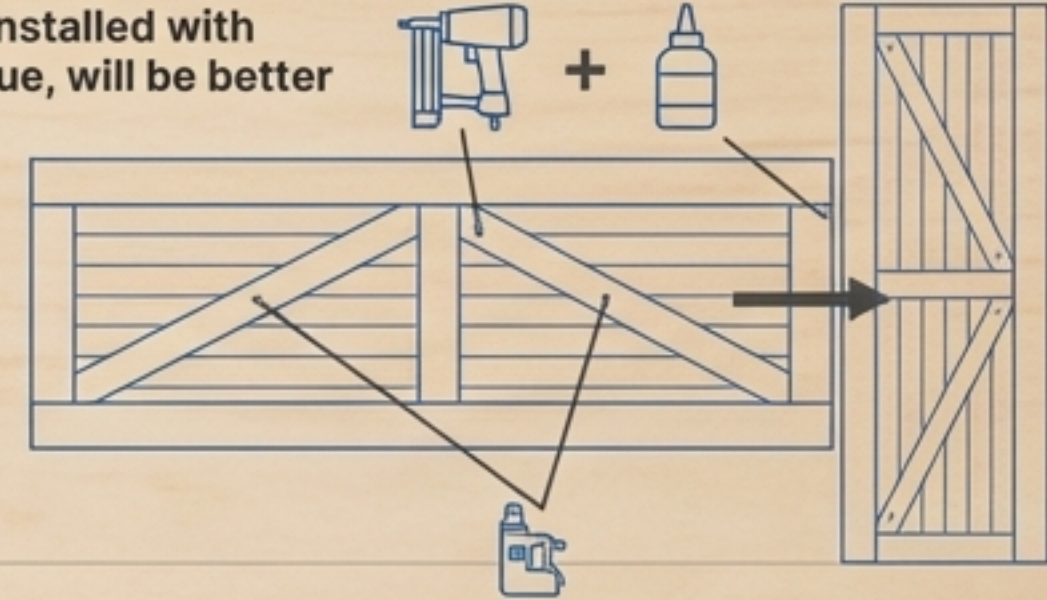
Assembly Strategy: Choose Your Path

Review both methods before touching your hardware.

Option A: with the screws we offered



Option B: if installed with nailer and glue, will be better



Option A: The Standard Way

- **Method:** Uses the provided screws.
- **Best For:** Beginners or those with standard household tools.
- **Required:** Drill or Phillips Screwdriver. Note: Use caution to avoid stripping holes.

Option B: The Pro Way

- **Method:** Uses a nail gun, 23G pin nails, and wood glue (not provided).
- **Best For:** Highly recommended for paneled (urban style) doors.
- **Advantage:** Creates a seamless, ultra-sturdy finish with hidden fasteners.

Step 1: Laying the Foundation

1. Assemble planks A, the B planks, and C on a completely flat surface.
2. Adjust the spacing to exactly match the width of your top and bottom rail boards.

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Because outer planks A and C are thicker than the inner B planks, temporarily lay your assembly on top of the top/bottom boards. This creates a perfectly even plane while you align the pieces.



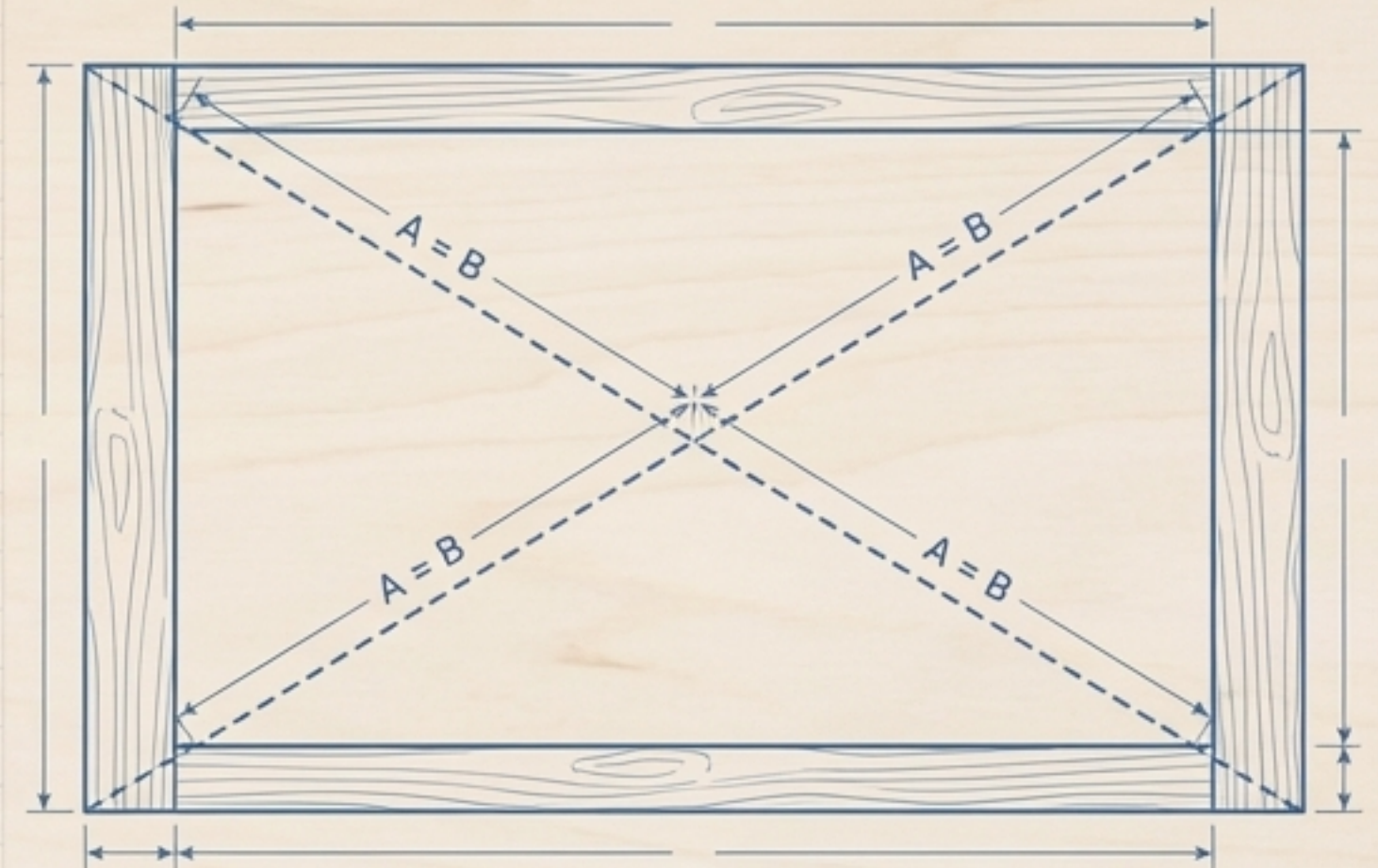
Step 2: Framing & Squaring



Action: Lightly attach the top and bottom boards using 2-3 pin nails or corner clamps.



CRITICAL WARNING: DO NOT USE WOOD GLUE YET.



The Squaring Check

Measure the frame diagonally from corner to corner in an "X" pattern. If the two measurements match perfectly, your door is square.



Locking it in: Only AFTER the squareness is checked and passed should you apply wood glue and final pin nails to the top and bottom boards.

Step 3: Setting the Overlay Pattern



1. Attach the horizontal mid plank first, ensuring it is perfectly centered.



2. Drop in the two slant planks to form your chosen shape (Z, X, or Arrow).

3. Fit the slant planks evenly inside the frame tolerances.

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Finalizing:

Once the exact positions of the mid and slant planks are visually confirmed, secure them permanently with wood glue and pin nails.

Step 4: Flip, Repeat, and Cure



The Flip & The Back Side

- **The Flip:** Using a 2-person lift, carefully flip the door over.
- **The Back Side:** Repeat Steps 2 and 3. (Note for Urban Style doors: Two additional stile boards must be attached to the back of planks A and C first).



The Cure Timeline

Clamp the edges securely. Let the wood glue dry flat for a minimum of 3 to 4 hours at room temperature.



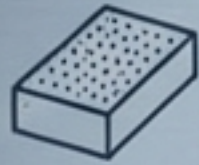
Warning

Wood glue takes significantly longer to cure in cold temperatures (e.g., an unheated garage).

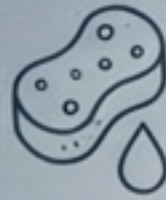
The Finishing Flowchart



Prep: Visually inspect. Use wood filler on any unwanted holes or cracks.



Sand: Sand the entire surface to remove dirt, grease, glue residue, and handling marks.



Condition: Apply a pre-stain conditioner.
Crucial: This helps alder wood absorb stain evenly.



Stain: Apply multiple coats of water-based stain. Sand lightly between each coat. Let dry completely.

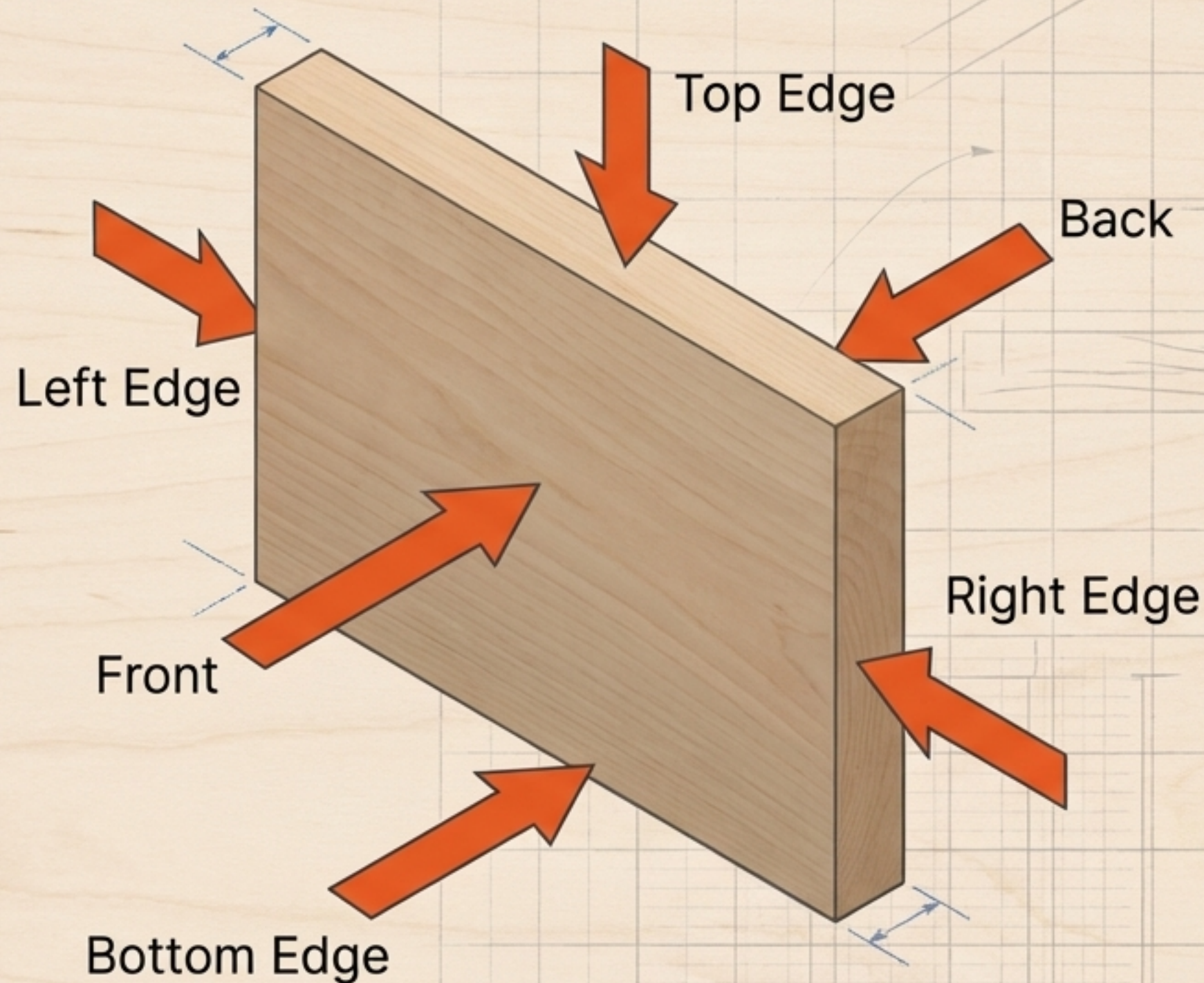


Protect: Apply at least 2 coats of polyurethane sealer. Add extra coats if installing in a bathroom or kitchen.

The “6-Sided Seal” Mandate

The Rule

Wood is a living, breathing material. To protect your door from moisture-induced warping, you **MUST** apply your top-coat/sealer to all 6 surfaces of the door slab.



The Timeline

Unfinished or primed doors must be completely finished and sealed within 48 hours of installation. Failure to seal all 6 sides voids the warranty.

Hardware & Installation Prep



Track Installation: LUBANN doors are compatible with standard barn door hardware. Follow the specific instructions provided by your chosen hardware manufacturer.



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Floor Guide Alert: Note that the bottom edge of LUBANN doors are NOT mortised (grooved). Therefore, we highly recommend purchasing and using a wall-mounted floor floor guide rather than a standard floor-drilled pin guide.

Living with LUBANN: Care & Warranty

The Living Wood

Alder continues to adjust to climate conditions over its lifespan. Slight shrinking, swelling, panel movement, or small hairline cracks are natural aging processes, not manufacturing defects.

Maintenance

Prolong the life of your door by using wax polish or following your specific paint/stain manufacturer's maintenance procedures.

The Warranty

Backed by a 1-Year Limited Warranty against manufacturing defects. (Note: Warp $\leq 1/4$ " for doors 3'x7' or smaller is not considered a defect. Warranty is strictly subject to proper climate storage and the 48-hour 6-sided sealing requirement).