06 Add the next panels

1. Repeat steps 04 and 05 for each panel, working from one end of the run.
2. On a shared post, butt the section edges together on the center of the post. Each panel uses its own half of the post.
3. Keep the section seams level from panel to panel and every top edge flush with the posts.



FINAL CHECK

All posts plumb and tight · 4 screws in every section · sections tight together, no gaps · top edges flush and level.

CARE

No rust · no fading. Rinse with water and mild soap; avoid abrasive cleaners.

NEED HELP?

(956) 312-3454
(956) 525-9666
latticesmart.us

LatticeSmart

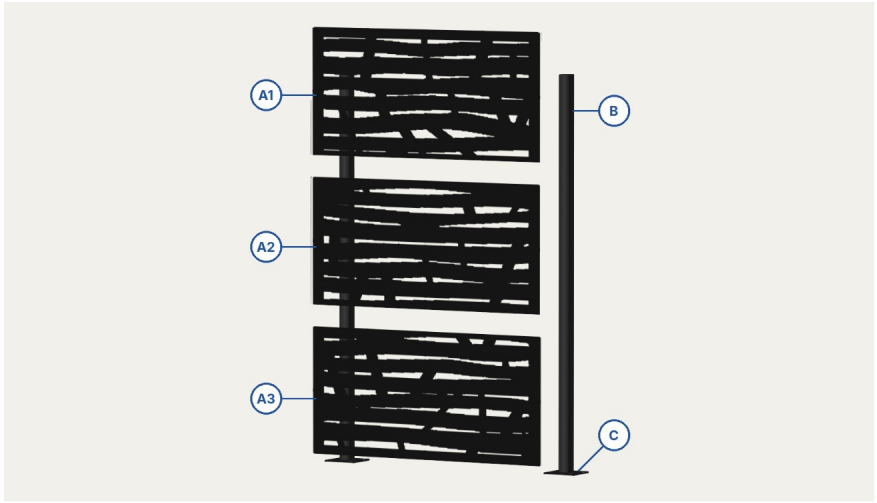
ALUMINUM COMPOSITE PANEL

Modular Panel

48" × 70" · 3 sections · 72" posts



What's included



- **A** Panel sections, 48" × 23⅓" — A1 top, A2 middle, A3 bottom
- **B** LatticeSmart steel post, 2" × 72" (sold separately)
- **C** Base plate with 4 holes — part of each post
- **D** Black self-drilling screws (drill-point tip) — 4 per section
- **E** Concrete anchors 3/8" × 3" — 4 per post (included)

TOOLS YOU'LL NEED

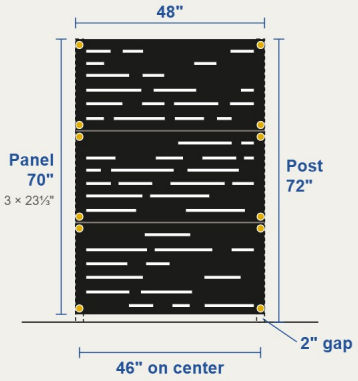
Tape measure · marker or pencil · string line or chalk line · drill / driver · 3/8" masonry drill bit · 24" level · straight board · safety glasses

04 Mount the top section first



1. Hold the top section (A1) flat against the front faces of the posts, side edges lined up.
2. Lift it until its top edge is flush with the post tops — a straight board across the post tops makes a perfect stop.
3. Check it with the level, then drive its 4 screws. It now guides the rest.

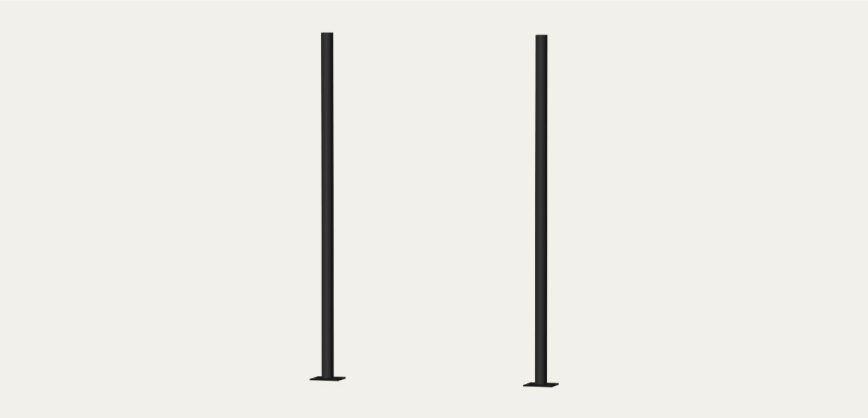
05 Add the middle and bottom



Single panel shown

1. Butt the middle section (A2) up tight under A1, no gap, so the design lines up. Screw it. Then the bottom section (A3) under A2.
2. A3 ends 2" above the ground by itself — no measuring needed.
3. 4 screws (D) per section, one near each corner, 1½" from its top and bottom edges: 1" in on an end post, ½" on a shared post.
4. Drill-point tip: no pre-drilling. Snug — don't overtighten.

03 Set the remaining posts



1. Repeat step 02 for the next post, on its center mark.
2. Keep the front face of every post just touching the string line, so all sections sit in one straight plane.
3. Measure between posts at the bottom and at the top: both distances must match. If not, the post is leaning — adjust before tightening.
4. Lay a straight board across the tops of two posts with the level on it. Bubble centered = tops are even. The top section is set against them, so this matters.
5. Tighten all anchors and check plumb once more on every post.

TIP Set all posts before mounting any section. A row of aligned posts makes every section go on easily.

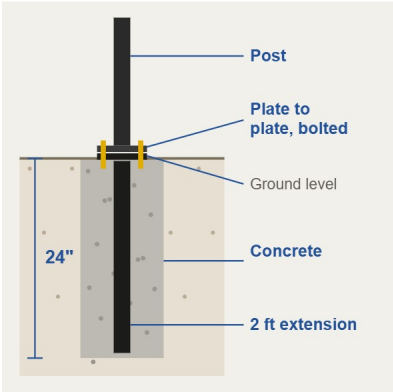
Plan your layout

Each modular panel is 48" wide and 70" tall, made of 3 sections stacked on the same pair of posts. Panels in a row share their middle posts, so a run always needs one more post than panels.

PANELS	SECTIONS	LENGTH	POSTS	ANCHORS
1	3	4 ft	2	8
2	6	8 ft	3	12
3	9	12 ft	4	16
4	12	16 ft	5	20

SOIL OR UNEVEN GROUND?

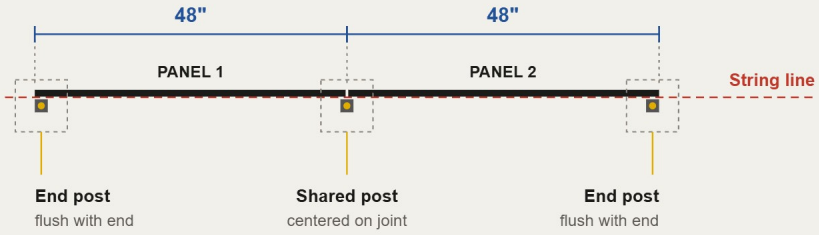
Concrete slab: use the included anchors (step 02). On soil or irregular terrain, use one **2 ft In-Ground Extension** per post (sold separately) instead.



1. Mark the post centers (step 01). Dig a hole 24" deep at each mark.
2. Set the extension in the hole, plate up and level, at ground level. Use a level string so every plate sits at the same height.
3. Fill the hole with concrete. Let it cure as the bag directs.
4. Set the post plate on the extension plate, line up the 4 holes and bolt them together, plate to plate. Check plumb, then go on to step 03.

01 Measure and mark

1. Stretch a string line (or snap a chalk line) where the front of the posts will be. This keeps the whole run straight.
2. Mark the start of the run on the line. Then mark every 48" — each mark is a panel joint, and the last one is the end.
3. Mark the post centers: **end posts** 1" inside the start and end marks (posts are 2" wide); **shared posts** right on each joint mark.
4. Single panel? Its two posts are 46" center to center — 48" outside to outside.

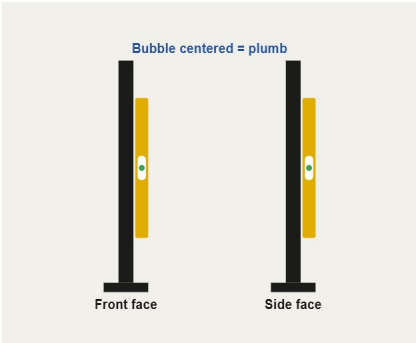


Top view · two panels

BEFORE YOU START Lay the 3 sections in order (top, middle, bottom) · Measure twice · check for pipes or wires before drilling or digging · wear safety glasses · read all steps once.

02 Anchor the first post





1. Stand the post (B) on its center mark with its front face just touching the string line.
2. Trace the 4 holes of the base plate (C) on the concrete. Move the post aside.
3. Drill the 4 holes with a 3/8" masonry bit, at least 3" deep. Blow out the dust.
4. Set the post back, insert the four 3/8" × 3" anchors (E) and snug them.
5. Hold the level on the front face, then on a side face. With the bubble centered on both, tighten the anchors fully.