



ON-SITE PANEL SUPPLY

Mobile Standing Seam Roll Forming • Roofing, Siding & Fencing Panels

DOUBLE-SIDED STANDING SEAM METAL FENCE

Installation Guide — Planning, Materials & Step-by-Step Build

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Overview

Build an ultra-strong, climb-resistant, zero-maintenance privacy fence using 12" standing seam metal panels. This guide covers planning, materials, and installation steps for a professional finish — using the same panel system On-Site Panel Supply roll-forms on-site for roofing, siding, and fencing projects throughout BC.

Why Choose Standing Seam Fencing?

- **Climb Resistant** — Smooth, narrow ribs prevent footholds.
- **Firebreak Protection** — Non-combustible barrier in fire-prone areas.
- **Total Privacy** — Solid steel panels on both sides, no gaps.
- **Wind Resistant** — Composite panel design withstands strong winds.
- **Tamper Proof** — Hidden fasteners secure panels internally.
- **Aesthetic Match** — Available in 20+ colors to match metal roofs.
- **Cost Effective** — Comparable to wood fencing but lasts 40+ years.
- **Terrain Ready** — Engineered for slopes and uneven ground.

Tools & Materials Checklist

Tools

- Post hole digger or power auger
- Level (4-foot recommended)
- Tape measure (25-foot minimum)
- String line and stakes
- Drill/impact driver with hex/socket bits
- Tin snips (left, right, straight cut)
- Nibbler tool (for clean cuts)
- Wuko bender or hand seamer (for trim)
- Socket wrench set
- Chalk line
- Safety glasses and cut-resistant gloves
- Mixing tub and trowel (for concrete)

Materials

- 12" standing seam panels ($2 \times$ linear footage $\div$ panel coverage)
- Steel square tube posts (2.5" or 3", length = fence height + 2')
- Steel hat channel or C-channel battens (2–3 per bay)
- Galvanized bolts, nuts, washers
- Self-drilling screws
- Pre-mixed concrete (2 bags per post)
- J-channel or Z-trim for edges
- Corner trim (inside/outside corners)
- Gate hardware (hinges, latch, diagonal bracing)
- Touch-up paint (matching panel color)



Installation Steps

STEP 1 | Plan and Measure

- Mark fence line with stakes and string.
- Measure total linear footage.
- Determine post locations spaced 6 to 8 feet on center.
- Account for gates, corners, and grade changes.
- Check local zoning for height and setback restrictions.

STEP 2 | Set Steel Posts

- Dig holes 36" deep (below frost line), 10–12" diameter.
- Use 2.5" or 3" steel square tube posts.
- Set posts in concrete, ensuring they are plumb with a level.
- Allow concrete to cure 24–48 hours.
- For 6-foot fences, use 8-foot posts (2 feet below grade).
- Use pre-drilled holes for horizontal battens.

STEP 3 | Install Horizontal Battens

- Bolt steel hat channel or C-channel battens horizontally through post holes.
- Install 2 rails for fences up to 6 feet: one 6" from top, one 6" from grade.
- For fences over 6 feet, add a mid-height rail.
- Use galvanized or stainless steel bolts with lock nuts.
- Ensure battens are level using a string line.

STEP 4 | Install First Side Panels

- Attach 12" standing seam panels vertically to battens on one side.
- Panels interlock via standing seam ribs.
- Use self-drilling screws at each rail location.
- Ensure panels are plumb before securing.
- Cut final panel to width with tin snips or nibbler.
- Avoid abrasive cut-off wheels to prevent finish damage.

STEP 5 | Install Second Side Panels

- Repeat installation on opposite side of battens.
- Offset panels by half panel width (6") to stagger seams.
- Secure panels from opposite side using self-drilling screws.

STEP 6 | Install Trim and Caps

- Install J-channel or Z-trim along top edges to cap panels.
- Add drip edge or ground trim at bottom if desired.
- Use pre-formed or bent corner trim for inside and outside corners.
- Match trim color to panels for seamless appearance.

STEP 7 | Install Gates

- Build gate frames from steel square tube matching posts.
- Weld or bolt frames with diagonal brace for strength.
- Attach standing seam panels on both sides of gate frame.
- Hang gates using heavy-duty steel hinges rated for gate weight.
- Install latch or lock mechanism.
- For wide openings, consider sliding gates on a track.



Important Notes

- Avoid abrasive cut-off wheels on coated panels; use tin snips, nibbler, or a fine-toothed metal blade saw run in reverse.
- Verify local zoning and permit requirements before installation.
- Call BC One Call: 1-800-474-6886 at least 3 business days before digging to locate underground utilities.
- Panels accept paint well for custom colors; use a quality exterior metal primer and acrylic latex topcoat.

Ready to Build Your Fence?

On-Site Panel Supply fabricates 12-inch standing seam panels on-site in custom lengths and 20+ colors. No job too big or small — from a single backyard fence to a commercial perimeter.

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