Modern Half Wall Build Sheet

Frame a sturdy room divider that earns its ledge.

Grab your tools and start building a functional entryway drop zone. Use this guide to find your ideal height, cut your lumber, and securely anchor the base.



Key Framing Dimensions

8 inches
Max cap width on 2x6 studs

1.5 inches
Oak cap thickness to subtract

0.5 inches
Lit groove under cap overhang

3/4 inch
Groove distance from front edge

3.5 inches
Length of structural base screws

16 inches
Spacing for pre-drilled pilot holes

Round end, bending ply

Apply wood glue generously to the stud faces before nailing the bending ply to prevent the curved tension from popping the fasteners over time.

6-Step Anchoring Sequence

1. **Runs across the joists** Find floor joists with a magnetic stud finder to ensure the base runs perpendicular.
2. **Mark the centers** Mark the intersecting joist centers with painter's tape before placing your bottom plate.
3. **Cut bottom plate** Cut your bottom plate to length for your functional entryway drop zone.
4. **Pre-drill the holes** Pre-drill pilot holes through the plate to prevent the lumber from splitting.
5. **Drive structural screws** Drive structural screws through the plate directly into the intersecting floor joists below.
6. **Secure the end post** Anchor the final post securely to handle the constant outward tension of the flexible plywood.

Wall-Height-By-Sofa-Back Chart

Find your row: **Sofa back style**

Sofa back style	Your pick	Why
Rigid sofa frame	Tape-test matching height	Ensures it doesn't awkwardly loom
Fluffy cushion back	Measure rigid frame only	Wall looks too tall when seated
Standard room divider	Subtract cap and drywall	Accounts for thick oak cap

2x6 Stud Cut List

- [ ] Bottom plate running perpendicular to floor joists
- [ ] Top plate cut to matching length
- [ ] Vertical studs spaced for maximum stability
- [ ] End post for the curved transition
- [ ] Oak cap with routed hidden light channel
- [ ] Flexible bending plywood for the rounded end

Pre-Build Site Checks

- ◯ Tape-test the height against your rigid sofa frame before cutting.
- ◯ Verify your floor joist direction using a magnetic stud finder.
- ◯ Leave a pull string inside the wall cavity for LED wires.
- ◯ Confirm your finished cap thickness before finalizing the framing height.

Project Notes

Enjoy your beautiful new drop zone and the perfectly framed separation it brings!