101 ½"

63 ½"

62"

REAL CEDAR
MODERN GATED TRELLIS

DESIGN: REAL CEDAR ORIGINAL

This standalone trellis is a great "soft privacy" solution, meaning it works beautifully on its own with vegetation on either side. But it also works beautifully surrounded by cedar fencing. It's made with big bold Western Red Cedar posts, so it adds a lot of visual impact and curb appeal to front yards. And the trellis on top supports a wide variety of climbing plants.

The entire design calls for Western Red Cedar, so it's going to create a lasting first impression because nothing looks, feels… or smells quite like Real Cedar. Real Cedar is also a durable, yet surprisingly lightweight building material. Furthermore, Real Cedar is naturally resistant to rot, decay and insects.

When it comes to specifying sizes, we recommend asking your local Real Cedar retailer if they have any short lengths in stock. Using short lengths means less cutting, less waste and more savings for you. Search for kiln dried material, if available.

Go to realcedar.com/DIY to see accompanying video.

WHAT YOU'LL NEED

Part #	Description	FINISHED SIZE			Nominal sizes	Material	Qty.
		T	W	L			
Trellis							
A	Concrete base(opt)	Concrete base should be built to the standards required by your local building code.					
B	Post*	5 1/2"	5 1/2"	90"	6x6x8	WRC Select Knotty	4
C	Rafter	1 1/2"	5 1/2"	81"	2x6x8	WRC Select Knotty	4
D	Rafter	1 1/2"	9 1/2"	93"	2x10x8	WRC Select Knotty	6
E	Trellis	1 1/2"	1 1/2"	81"	2x2x8	WRC Select Knotty	7

* If you opt not to use concrete base, extend post and set them at least 24" below the ground or a length below the frost line, if greater.

Part #	Description	T	W	L	Nominal sizes	Material	Qty.
Side Walls							
F1	Wall frame horizontal	1 1/2"	3 1/2"	48"	2x4x4	WRC Select Knotty	4
F2	Wall frame vertical	1 1/2"	3 1/2"	52"	2x4x5	WRC Select Knotty	6
F3	Wall slats	5/8"	2 1/2"	48"	1x3x4	WRC Select Knotty	68
F4	Wall top	1 1/2"	5"	48"	2x6x4	WRC Select Knotty	2

Part #	Description	T	W	L	Nominal sizes	Material	Qty.
Door							
G	Door slats	1 1/2"	5 1/2"	63 1/2" to 67 1/2"	2x6x6	WRC Select Knotty	8
H1	Door frame horizontal	1 1/2"	3 1/2"	45 3/4"	2x4x4	WRC Select Knotty	2
H2	Door frame verticall	1 1/2"	3 1/2"	62"	2x4x6	WRC Select Knotty	2
H3	Door frame across	1 1/2"	3 1/2"	67 1/4"	2x4x6	WRC Select Knotty	1
H4	Door Side supports	1 1/2"	3 1/2"	56 1/2"	2x4x5	WRC Select Knotty	2

Part #	Description	T	W	L	Nominal sizes	Material	Qty.
Hardware							
I	Lag Bolts & washers						
J	Stainless Steel screws						
K	Hinges						
L	Handle						

*Actual net sizes may vary. Check with your Real Cedar retailer.

INSTALLATION PRO TIPS

1. Where gluing is required, only apply a polyurethane construction adhesive specially formulated for outdoor applications. Using a scrap of wood, spread a thin even layer of glue, like butter on toast. Avoid applying excessive amounts and keep glue at least 1/2" away from exterior edges of joint to avoid unappealing bleed out. Press pieces in place briefly, then pull them apart for a second before pressing firmly back in place (this helps activate the glue so it will set faster). Always use clamps to keep pieces in position while driving in screws because until the glue dries, pieces are at risk of slipping.

2. For all outdoor work, you should use corrosion-resistant stainless steel or hot-dipped galvanized nails. Other fasteners and hardware such as bolts, screws and hinges should also be made from similar corrosion resistant materials.

3. You can let the cedar weather naturally (eventually turning a beautiful silvery patina), or you can choose to finish the structure - in which case, apply the finish to all six sides of the components before assembly.
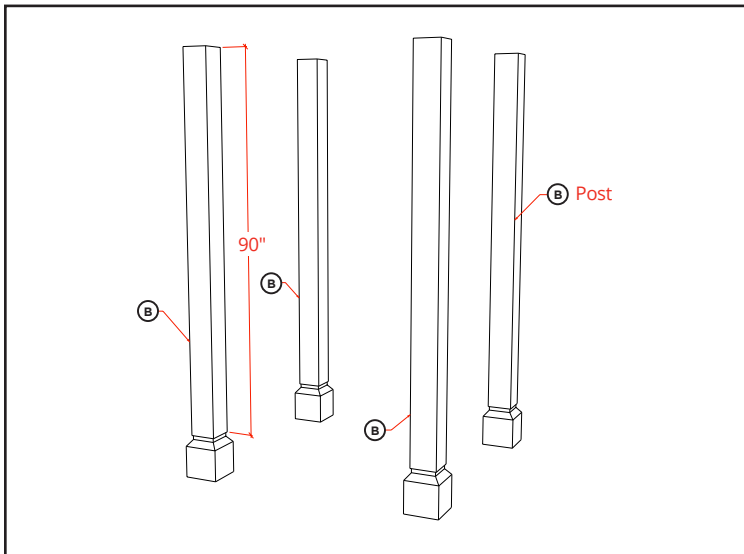
STEP 1 - Build Footings

Measure and mark post locations. Dig holes accordingly and pour concrete foundation into each hole. Place upstand bracket. Let dry 24 hours.

If you opt not to use concrete base, extend post and set them at least 24" below the ground or a length below the frost line, if greater.
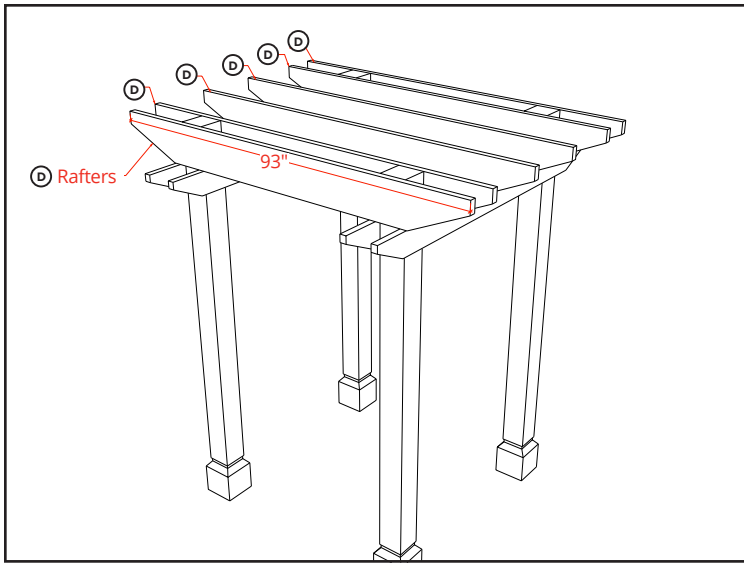
(A) Footing

- 7 ½"
- 10"
- 8"
- 8"
- 54"
- 62"
- 55 ½"
- 63 ½"

STEP 2 – Erect Posts

Attach one (B) post to each footing.

(B) Post

- 90"
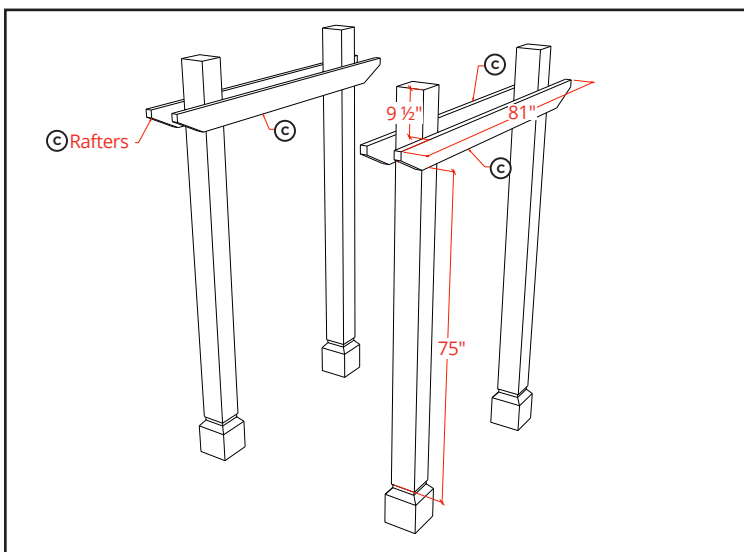
STEP 3 – Attach Rafters

Fasten a (C) support rafter to either side of two posts. Repeat on the remaining two posts, so that the rafters run parallel to each other.
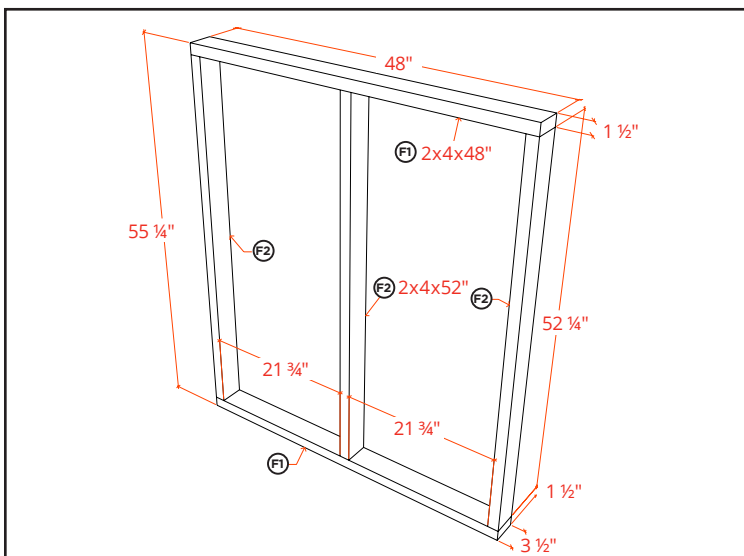
(C) Rafters

- 9 ½"
- 81"
- 75"

STEP 4 – Build Grid

Attach a pair of (D) rafters to the posts so that they run perpendicular to, and atop of, the (C) rafters. Then install two evenly spaced (D) rafters in between the outer (D) rafter.
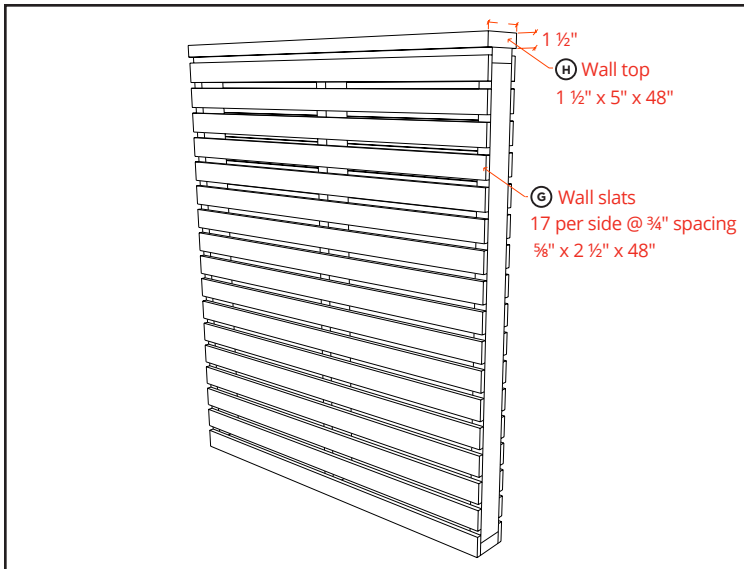
Ⓓ Rafters

"93"
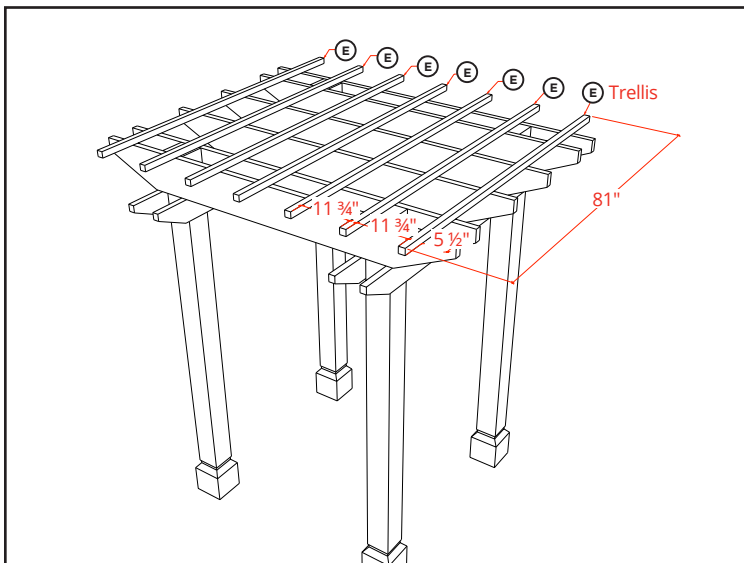
STEP 5 - Install Trellis

Fasten seven evenly spaced (E) trellis pieces across the (D) rafters.

Ⓔ Trellis

81"

11 ¾"   11 ¾"   5 ½"

STEP 6 - Build Wall Frames

Building on a separate surface, attach three evenly spaced (F2) frames to one (F1) and then complete the rectangle with one more (F1) frame. Repeat process for second frame.
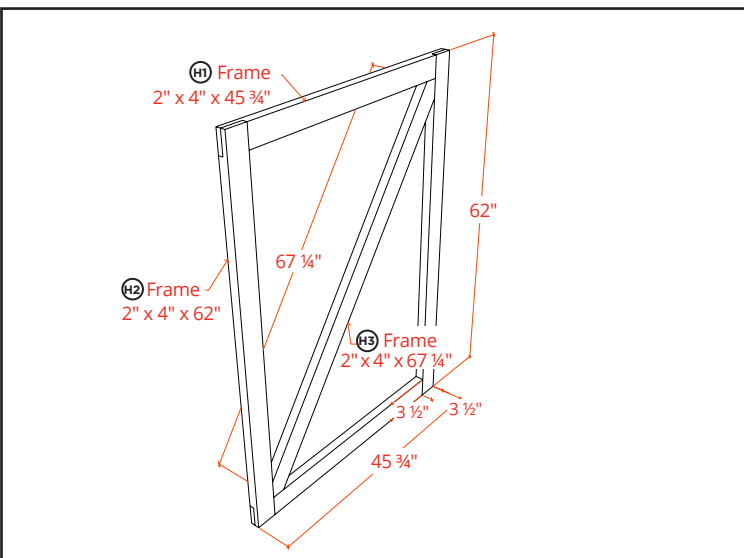
48"

Ⓕ1 2x4x48"

1 ½"

55 ¼"

Ⓕ2

Ⓕ2 2x4x52"   Ⓕ2

52 ¼"

21 ¾"

21 ¾"

Ⓕ1

1 ½"

3 ½"

NOTE: Real Cedar is not responsible for any personal injury or property damage sustained in connection to these guidelines.

STEP 7 - Install Wall

Attach wall frames to trellis and clad in place with 17 (G) slats on either side of each wall.

Wall top
H 1 ½" x 5" x 48"
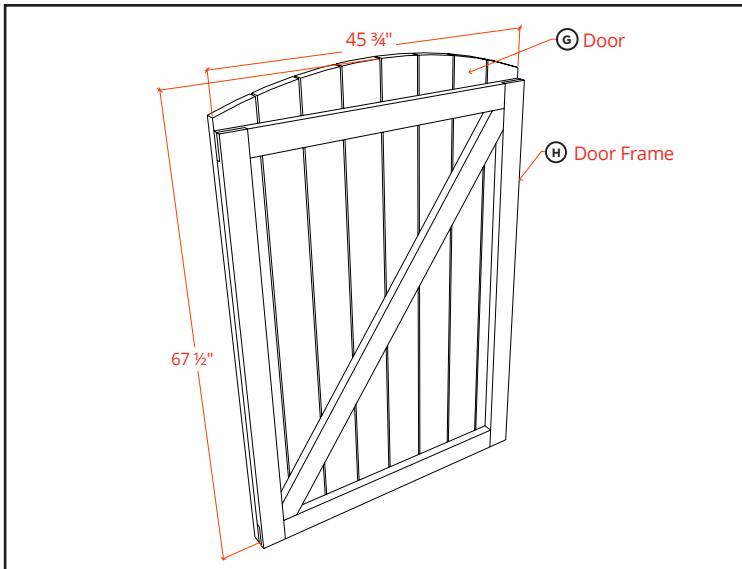1 ½"

Wall slats
G 17 per side @ ¾" spacing
⅝" x 2 ½" x 48"
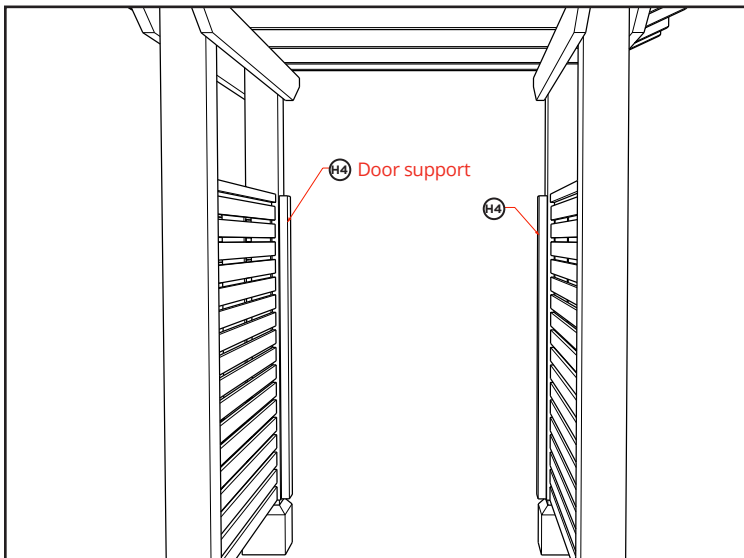
STEP 8 - Top Wall

Complete each wall by attaching a (H) top.

H4 Door support
H4

STEP 9 - Build Gate Frame

On a flat surface, complete the gate frame by attaching two (H1) frames to two (H2) frames. Then diagonally attach the (H3) brace inside the frame.

H1 **Frame**
2" x 4" x 45 ¾"

H2 **Frame**
2" x 4" x 62"

H3 **Frame**
2" x 4" x 67 ¼"

62"

67 ¼"

3 ½" 3 ½"

45 ¾"

45 ¾"

G Door

H Door Frame

67 ½"

STEP 10 - Clad Gate

Install eight evenly spaced (G) slats to the gate frame. Then saw the top an arch and attach the hinges.

G Door
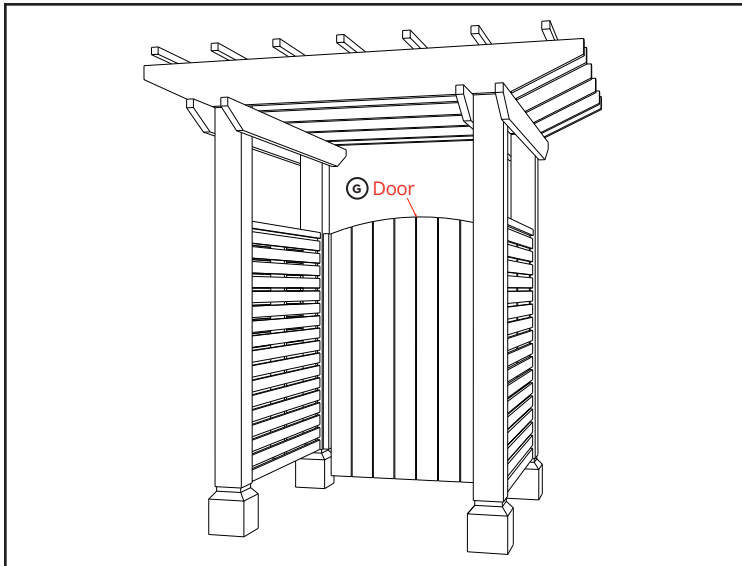
STEP 11 - Attach Gate

Hang gate as finished unit by first marking where the hinges should fasten to the trellis. You will need a helper to hold the gate while you fasten the hinges to the shed. Attach slide action stainless steel, gate latch.