



### **Project 3: A Little Luxury**

#### **Step 1: Install the drainage tub.**

- a. Measure the desired dimensions of your shower. We made our overall enclosure 6 x 5 x 5 1/2 feet with the showerhead 8 feet high.
- b. Using a drill/driver fitted with a 4 1/2-inch hole saw, cut a hole in the center of the tub. Feed a few inches of corrugated pipe through the hole.
- c. Consult your area's building codes for gray-water guidelines. Dig a trench deep enough for the tub and corrugated pipe. Bury the pipe so that it carries gray water away according to your area's building codes.

#### **Step 2: Build the shower walls.**

- a. Dig a hole 2 feet deep and 1 foot in diameter for each of the four posts. We used two 8-foot posts for the front and side walls and two 10-foot posts for the back wall.
- b. Center a post in each hole. Mix concrete according to the manufacturer's directions. Fill each hole with one half to 1 bag of mixed concrete around each post. Let cure overnight.

**c.** Frame the walls, placing studs every 16 inches. Join 2 x 4 boards using galvanized 8d nails.

**d.** Cover the outside of the frame with sheets of treated plywood.

**Step 3: Build the storage cabinet.**

**a.** On one inside shower wall, measure and mark a 16-inch-wide x 20-inch-high rectangle between two studs.

**b.** Using remnant 2-by cedar, cut a 5- x 14 1/2-inch piece. Nail the piece in place at the top of the rectangle.

**c.** From another piece of 2-by cedar, cut a 7- x 14 1/2-inch piece. Nail it in place at the bottom of the rectangle to form a ledge.

**d.** Using remnants from 2 x 8 cedar boards, cut two 19-inch pieces for the doors.

**e.** Mount the doors on both sides with two 2-inch hinges.

**f.** Measure and mark the location of the handles on the front of each door. Using a 3/16-inch drill bit, drill holes for the handles. Screw the door handles in place.

**Step 4: Plumb the shower into the wall.** *Seek the services of a professional plumber.*

**Step 5: Attach the shingles.**

**a.** Using a staple gun, attach the Weatherlock G barrier to the plywood.

**b.** Using a staple gun and beginning at the bottom of the wall, staple the cedar shingles into the plywood. Work your way up, overlapping each shingle with a consistent amount of space. Here, we left a 10-inch reveal of the shingle underneath. We covered both the inside and outside of the shower in cedar

shingle; another option would be to cover the outside with shingles and stain the inside with a natural-colored deck stain.

**c.** Cut a rough sawn cedar plank to fit along the top edges. Attach to give the top edge a finished look, and cover the tops of the cedar shingles.

**Step 6: Build and hang the door.**

**a.** Cut and frame a door to fit the space. Hang with hinges.

**b.** Cover the door with plywood. Attach shingles the same way you attached them on the shower walls.

**Step 7: Build the bench.**

**a.** From a 2 x 10 x 8 smooth cedar board, cut two 18-inch-long pieces and one 4-foot-long piece. Secure the 18-inch pieces with brackets to the bottom of the 4-foot-long piece. For added stability, mount the bench to the wall with a bracket.

**Step 8: Install the flooring.**

**a.** Fill the drainage tub three-quarters full with river rock. Set pavers in different sizes around the tub for a natural, informal look.

**b.** Fill spaces between the pavers with river rock.

**Lowe's List**

Skill level: **Advanced**

Rough cost estimate: **\$1,175\***

Lumber: \$505

Plumbing: \$420

Hardware and supplies: \$250

Rough time estimate: **3 weekends**

## **LUMBER**

2 treated posts, 4 x 4 x 8\*\*

2 treated posts, 4 x 4 x 10\*\*

15 treated boards, 2 x 4 x 8\*\*

3 treated boards, 2 x 4 x 10\*\*

1 square roll of Weatherlock G barrier (#11661\*\*\*)

medium-sized cedar shingles\*\*\*

1 cedar board, 2 x 8 x 10\*\*

1 cedar board, 2 x 8 x 8\*\*

1 cedar board, 2 x 6 x 8\*\*

1 cedar board, 2 x 10 x 10\*\*

4 sheets of exterior plywood, 1/2-inch x 4- x 8-foot\*\*

## **PLUMBING**

1 plastic tub (#19252)

1 corrugated pipe, 4 x 10

1 type M copper pipe, 1/2-inch x 10-feet

pipe insulation, 3/4-inch x 6-foot

1 shower trim kit (Arzo Monitor Scald-Guard, Special Order)

4 (1/2-inch) sweat ball valves (#61341)

## **HARDWARE AND SUPPLIES**

6 bags of concrete mix

1 box of 8d galvanized nails

1 box of (1 1/4-inch) crown staples  
1 jumbo hammered hook (Bronze, #117968)  
3 pill-top hooks (Bronze, #117911)  
garment hook (#245993)  
3 ball end coat-and-hat-hooks (Antique Brass, #198543)  
3 (16-inch) patio stone pavers (#54338)  
2 (12-inch) patio stone pavers (#19183)  
3 (2 x 8 x 16-inch) solid stone (#149067)  
12 bags of river rock (#2624)  
2 (3 1/2-inch) gate hinges (Black, #8075)  
1 (12-inch) cane bolt (Black, #106029)  
2 packages of 2-inch hinges  
2 iron pull handles

## **TOOLS**

post-hole digger  
concrete mixer  
bucket  
circular saw with a straightedge guide  
miter saw  
drill/driver with a 4 1/2-inch hole saw bit  
staple gun  
pneumatic nail (or hammer)  
tape measure

pencil

\*Does not include labor costs or applicable taxes, which vary by market, or the cost of tools. Pricing for commodity items may vary due to market conditions.

\*\*Availability varies by market for lumber species and sizes.

\*\*\*Available by Special Order in some stores.