SEATTLE URBAN FARM COMPANY

Libraries on the Loose!

A LITTLE FREE LIBRARY DESIGN BUILD COMPETITION

635: Growing Community: Little Free SEED Library

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Material List

Lumber:
Reclaimed Cabinet Door (1) $24
Reclaimed Kitchen Pull-Out Cutting Board/Work Space (1) $5
8’ Cedar 2x2 Lumber (5) $20
8’ Fir 1x2 Lumber (6) $6
8’ Fir 2x3 Lumber (2) $5
3/8” Plywood (1 sheet 4’x8’) $18
6’ Juniper 6x6 Post (1) Salvaged FREE

Hardware:
Reclaimed Small Door Hinges (2) $4
Reclaimed Door Latch (1) $3
2.5” Screws (40) $10
40 Lb Bag of Concrete (1) $6

Interior Components:
Reclaimed Industrial Index Card Box (1) $15
Wool Sweater Reclaimed FREE
Reclaimed Wine Corks (150) Salvaged FREE
Books Donated FREE
Vegetable and Flower Seeds Donated FREE

Roof Components:
Corrugated Palruf Panel (1) Salvaged FREE
Self Tapping Roof Screws (20) $6
Reclaimed Aluminium Trim Channel (for gutter)
Rain Chain (5’) $3

Web-Bottom Nursery Flat (6) Salvaged FREE
Landscape Fabric (36” x 48”) $5
Perlite (2 Gallons) $4
Peat Moss (2 Gallons) $4
Sedum grisebachii Salvaged FREE
Sedum spathulifolium Salvaged FREE
Sedum oreganum Salvaged FREE

Optional Components:
Chalkboard Paint (1 Pint) $10
Reclaimed Wine Corks (150) Salvaged FREE
8’ Cedar 2x2 Lumber (3) $12
2”x3” Wire Fencing (2’ x 6’) Salvaged FREE

Approximate Budget: $148

Approximate Time: 20+ hours depending on time spent salvaging, locating reusable materials

Tool List

Chop Saw
Circular Saw
Jig Saw
Cordless Drill
- 3/8” Hex head bit
- Star Screw bit
- 3/8” Pilot bit

Tin Snips
Tape Measure
Speed Square
Pencil
Paintbrush/Roller
Paint Trays
Shovel
Posthole Digger
Wood Glue
Scissors
Hand Trowel

Assembly Instructions

Framing the Box:

Note: the dimensions of your reclaimed window will be the basis for the height and width of the box; dimensions of the reclaimed work surface will be the basis for the depth of the box. Be sure to add on ¼" gaps for window operation of moving parts, and add 2-3" dimensions for framing and siding.

1. Determine the size of your reclaimed components. Then you can make accurate measurements on your framing materials.

2. Cut two pieces (one for the top, one for the bottom) of plywood to the dimensions of the work surface, but add 3/8" for the back and side panels, 1 ½" on the sides for the 2x2s, and a ¼" so the window can open easily.

3. Place the sliding work surface on the bottom piece of plywood. Then measure and cut the 1x2 lumber so that it fits around the work surface and secure it to the plywood. Then secure the second piece of plywood to the top of the 1x2s.

4. Cut 2 2x2 posts at two 26 3/8" and two at 20" and secure to the framed work surface.

5. Cut 2 27" pieces of 2x3 to attach to the 2x2s in the front and back.

6. Cut 2 43" pieces of 2x3 and secure them to the upright 2x2s.

*See drawings on following pages for dimensions.

ASSEMBLY INSTRUCTIONS

Interior Components:
Building Shelves & Insulated Seed Storage:

Note: the dimensions of your reclaimed seed storage/card catalog will be the basis for the dimensions of the insulated area and shelving. Be sure to leave approximately 12” between upper and lower shelves for the height of books on the bookshelf.

1. Place seed drawer inside the library. Center and secure it to the plywood base. There should be space on all sides for insulation.

2. Cut pieces of plywood that will adjoin the sides of the library and the sides of the seed drawer.

3. Fill the open space between the drawer with your preferred insulation. We chose recycled cork and old denim jeans.

4. Measure for two more levels of plywood and attach the first one to the top of the seed drawer.

5. For the storage space at the top of the box find some small angle brackets and attach them to the front of the box. The next level of plywood should fit on the brackets in the front and the back can be screwed into the 1x3 it sits under.

*See drawings on following pages for dimensions.

ASSEMBLY INSTRUCTIONS

Siding the Box:

1. Measure the distance between the 2x2 posts and the front and back vertical lengths.

2. Transfer those measurements to a piece of plywood and use a jigsaw to cut each side panel.

3. Do the same process for the back panel and attach the three sides.

*See drawings on following pages for dimensions.

ASSEMBLY INSTRUCTIONS

Roofing the Box:

1. Measure and cut corrugated roof panel with tin snips: 39” x 48”

2. Measure and cut 3/8” plywood roof base with circular saw: 36” x 44”

3. Measure and cut 2x2 lumber for living roof frame. The frame should fit just inside the corrugated roof.

4. Use 11”x22” planting trays to fit inside the 2x2 frame.

5. Fill the trays with planting mix soil and transplant into the soil.

*See drawings on following pages for dimensions.

ASSEMBLY INSTRUCTIONS

Optional Finishes:

1. Chalkboard paint: Put two coats of chalkboard paint on the side panels of the library. After the paint dries, rub chalk all over the paint and wipe it off just like a normal chalk board. Then the board will be ready for use.

2. Cork board: Find lots and lots of old wine bottle corks cut them in half and glue to a sheet of plywood. Frame the plywood with 1x2 cedar.

3. Trellis: Dig 18” holes on one side of the library and bury 2 pieces of 2x2 about 18” in the ground. Attach 2 more 2x2s to the vertical 2x2s horizontally across the roof. Cut wire mesh to fit between the 2x2s and secure the wire to the 2x2s.

ASSEMBLY INSTRUCTIONS

Siting/Setting the Box:

1. Find a sunny location where the library window faces north.

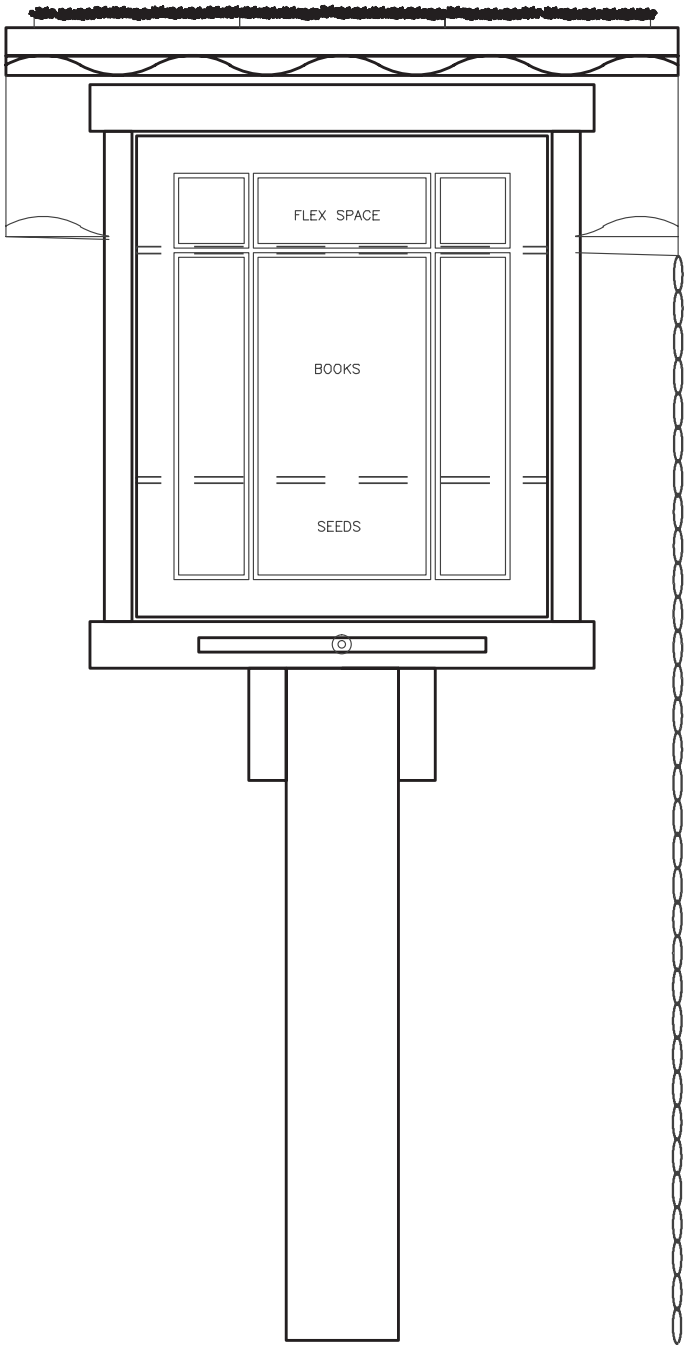
2. Use a post hole digger to dig an 18” hole for a 6x6 juniper post to fit in.

3. Cut 4 cedar 2x6s slightly shorter than the length and width of the library base. Attach the 2x6 to the juniper post, and place and secure the seed library on top of the post and 2x6s.

*See drawings on following pages for dimensions.

Construction Drawings

Library Elevation (front)



(6) 10.75"x21.25" Nursery Flats to be planted with sedum
2"x2" Cedar Frame

2"x3" Header/Crossbraces

Corrugated Plastic Roof

Gutter
Rain Chain

22"x25.5" Custom Window Door

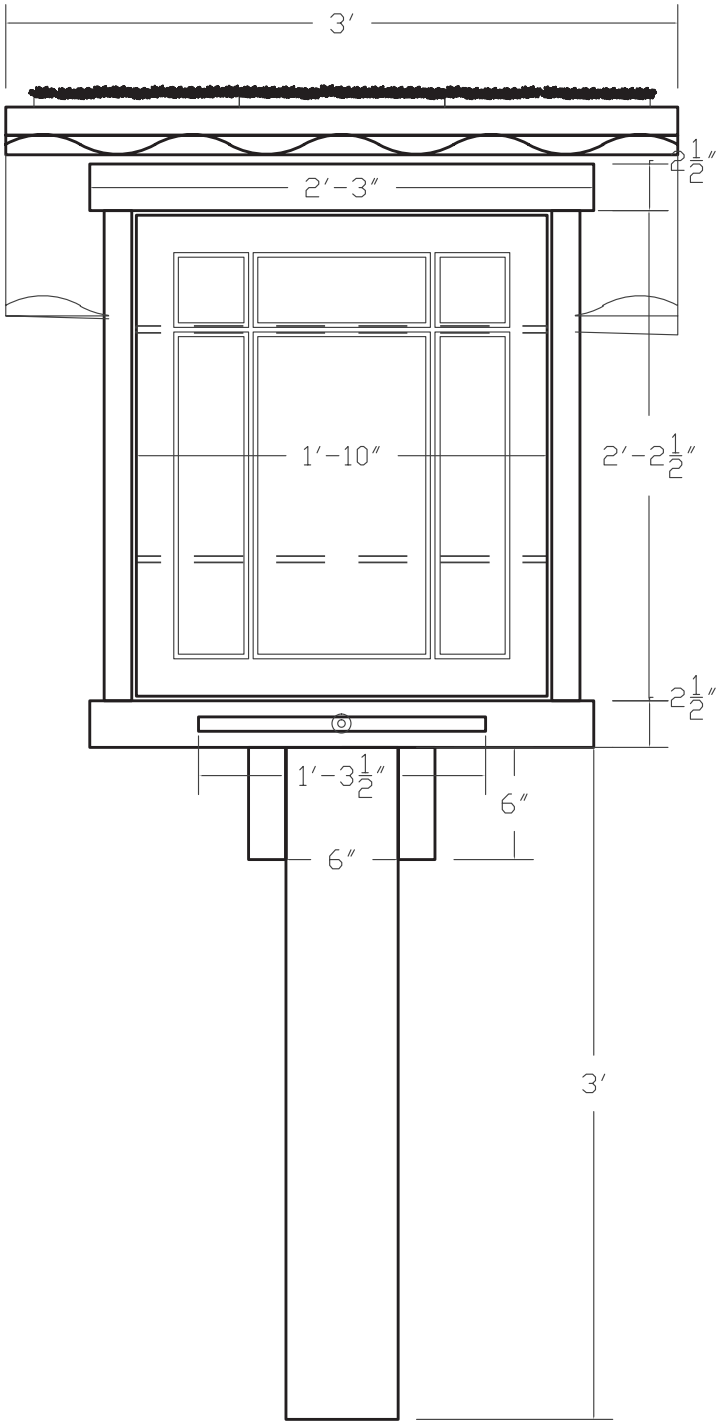
2"x2" Framing with Plywood siding

2"x3" Footer with notch cutout for .75"x15.25" work surface

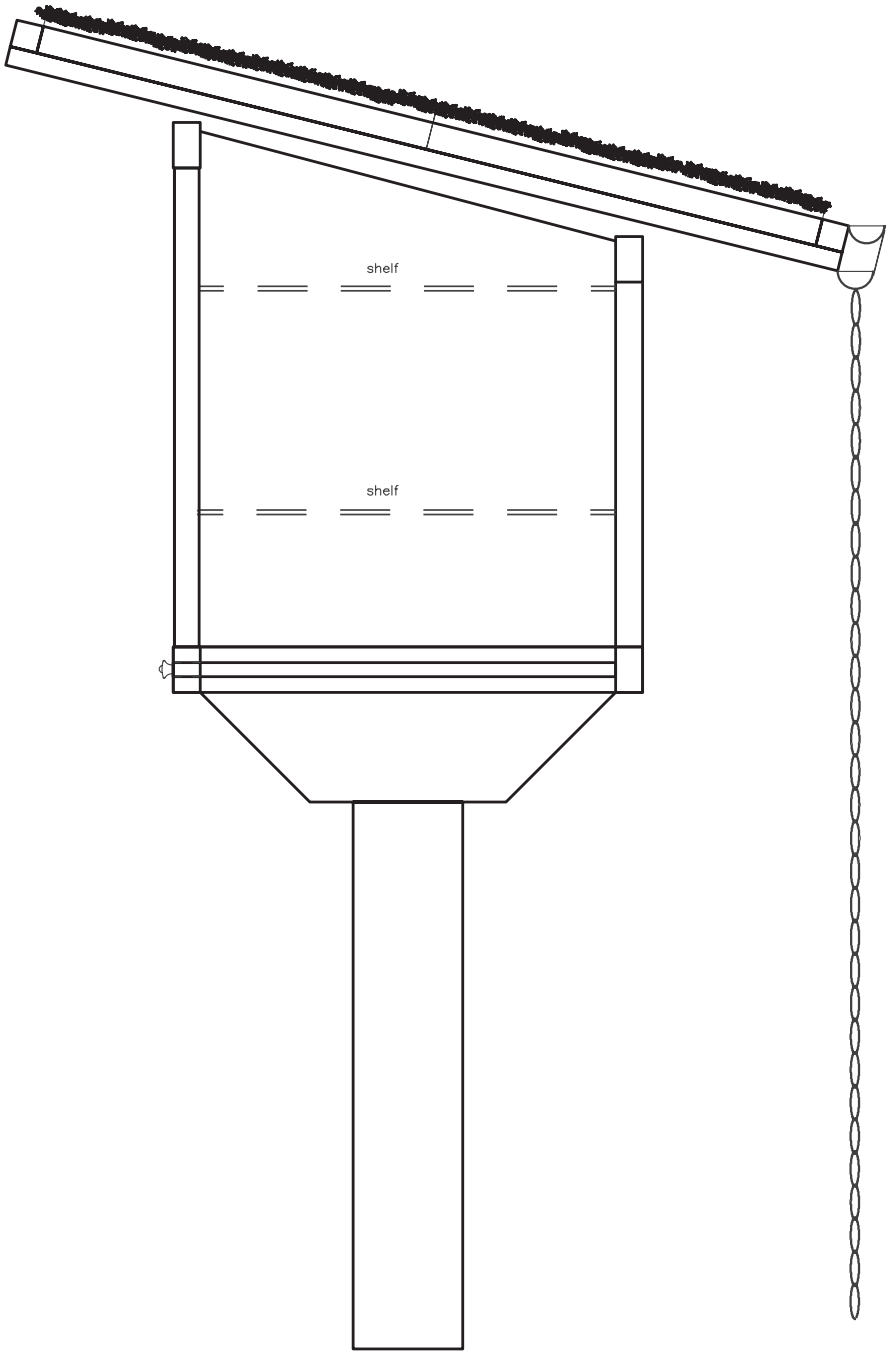
2"x6" Bracing running the length of the library

6"x6" Juniper Timber Post

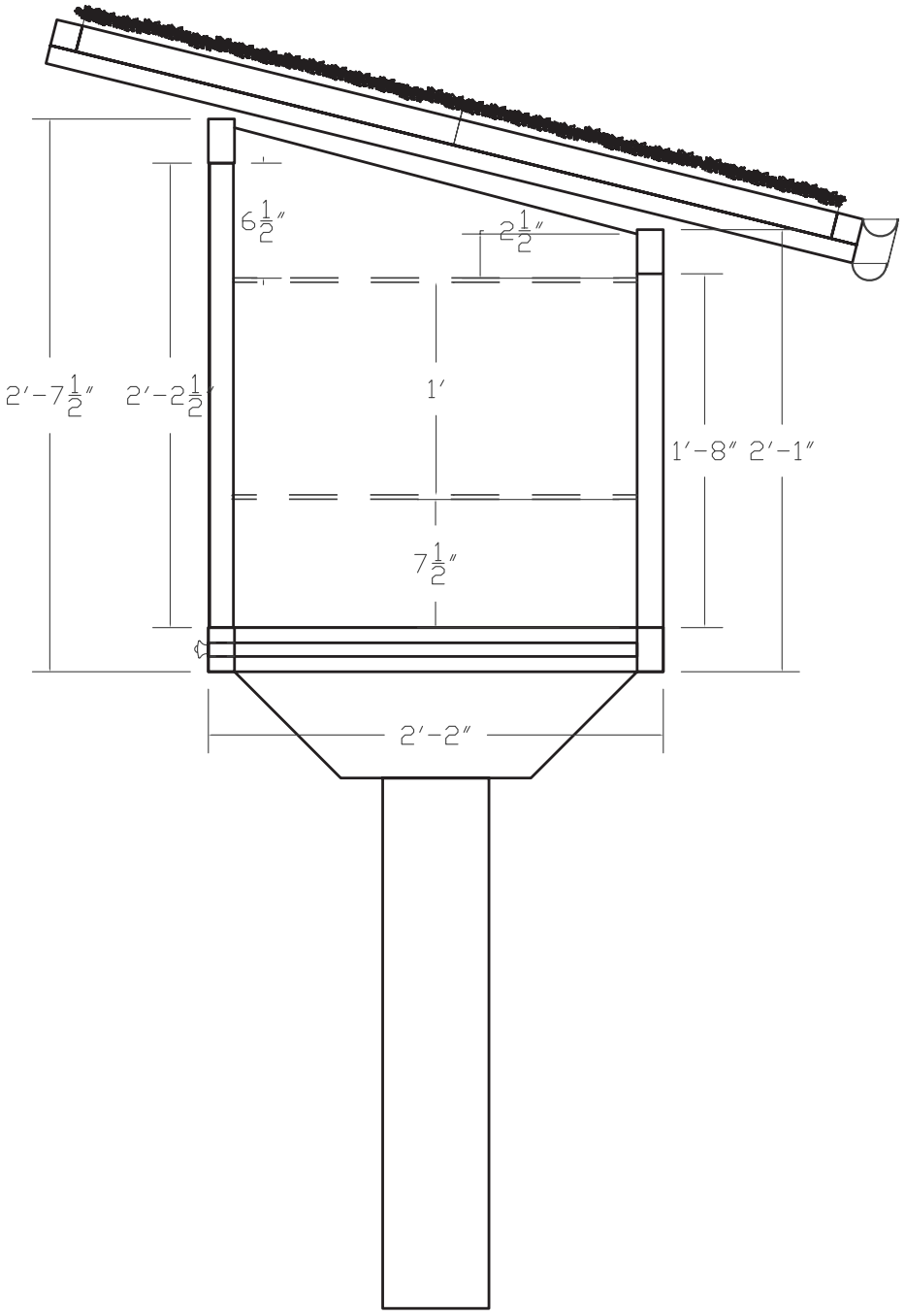
Library Elevation (front)



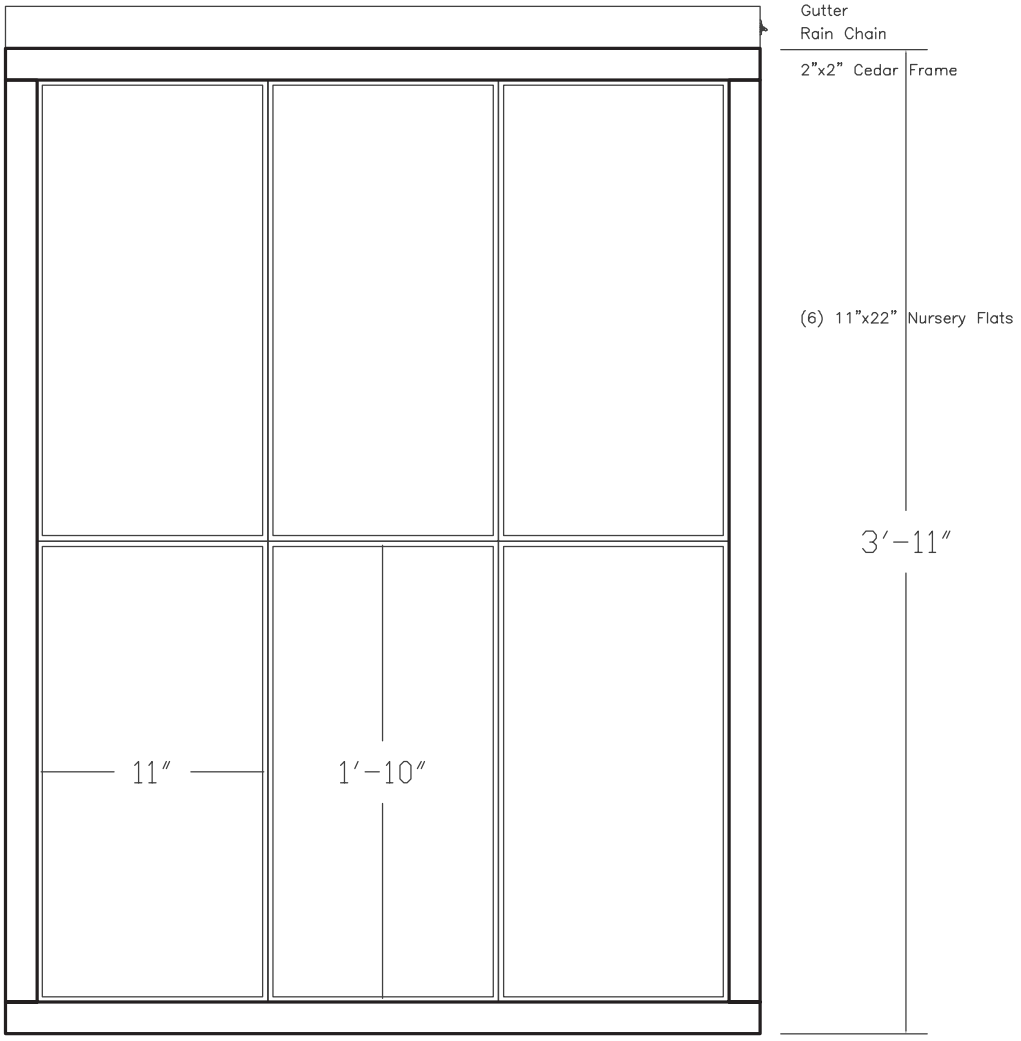
Library Elevation (side)



Library Elevation (side)



Roof Plan (drawn flat)



Roof Elevation (drawn flat)