The Bryant Group

DESIGN TEAM

Front: Jocelyn Brubeck, Ann McKee

Back: Mark Boyd, Linda Shaw Carl Christofferson, Dale Hoff, Ann Melvin

***Team coordinator:** Dale Hoff – dhoffcon@msn.com – (206) 713 – 8233

Location & LFL Site Host: Linda Shaw & Carl Christofferson

LFL manager/Librarian: Ann McKee

Little Free Library Site / location

5237 36th Ave NE

Seattle, WA 98105

Our story…

We owe this design to our kids. For decades, they've inspired us to organize neighborhood playgroups, camp-outs, and talent shows.

The main goal of this project was more neighborhood fun. The seven of us brainstormed ideas for a Little Library that would be friendly, easy for kids to reach, and had a place to sit and test-read a book.

We toyed with using recycled pipe, but settled on wood for ease of construction. Our design evokes our Northwest trees – with the book boxes as trunk, and the roof, adorned with book jackets and magazine covers, as the umbrella/canopy protecting it.

Our larger story….

Before there were Little Free Libraries and almost before the advent of the book, there were kids. We owe the inception of this design to our kids. We moved into the Bryant neighborhood because it was a good place to raise kids. We soon had neighborhood play groups, camp outs, caroling parties and talent shows. More than 25 years have passed. We still enjoy being creative together even though our kids have grown and flown.

Dale sent out an open invitation to become a Little Library design team with the primary goal of having fun as neighbors. Seven of us were able to attend. A quick assessment of our skill set indicated that we were an awesome team; two doctors, a sign language interpreter, a newspaper editor, an unemployed computer engineer, a retired organizational consultant and a retired contractor. Not hampered by design training, theory or experience, our creativity flowered into several wonderful designs. A "neighborhood" feel, a space for kid and grown-up books, playful whimsy about Seattle, and a place to sit and test read a book, were constant elements in each.

The installation at, Linda and Carl's validated that our design goals were achieved. With seats, multiple spaces for books, a chalkboard and an "umbrella" roof decorated with book jackets and magazine covers, not a person passed without inspecting, and admiring the structure. Even empty of books, it became a place of engagement and fun. Members of the design team were delighted, but felt great sadness that the suggested espresso stand portion of the library had been omitted due to the cost limitations imposed by the design instructions. In spite of our failure to include a caffeine source, we the "design team"; Ann, Ann, Jocelyn, Linda, Carl, Mark and Dale, are proud to submit the Bryant Neighborhood Design Team, Little Free Library for your enjoyment.

Bryant Community ‘Little Free Library’

5237 36th Ave NE

Collecting and re-purposing materials

Scrap piles from local builder's sites

Discounted Lumber yard 'fall downs'

With Little Free Libraries very little material is wasted

Discarded exterior paints from neighbors

Ripping, reshaping, sanding, repurposing old lumber

Construction
‘Library Tower’

Construction
‘Reading Benches’

Construction
‘Umbrella roof’







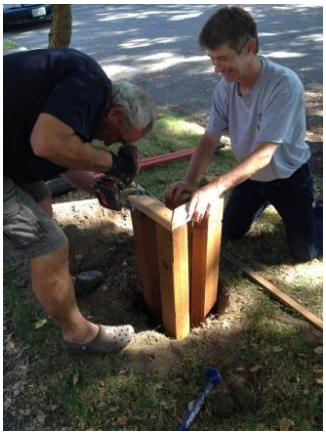




Delivery – Foundation - Installation









FABRICATION AND INSTALLATION INSTRUCTIONS
***refer to picture and drawings for details.**

The TOWER

-Cut three 1x12 SPF or TK cedar at 72", another one at 24", and a small one at approx. 5" to create the four sides of the tower box.
- Rip one of the 72" legs to 9.75" wide to create the back, and do the same for the two smaller pieces (24" & 5") that create front face.
- Cut four 11.25" x x 9.75 shelves.
- Nail or screw the three 72" legs together creating the "U" of the tower.
- Install the 24" lower face and the 5" upper face to complete the box rectangle.
- Install/secure the four shelves to create three separate libraries if desired to complete the Library Tower.
  *(We chose the three separate library doors for our model, but to simplify the door making work and the hardware work, one might consider one long door to access the three shelves.)
- Install 1x2 SPF or TK cedar as face frame.
- Shape and install 7 degree sloping 1x1 sill at each library box.
- Using 1x2, create frames for three library doors.
- Rabbit as necessary to install and stop the plexiglass windows.
- Install doors when ready.

The BENCH

- Cut to 2x3's and anchor to tower per drawing with 3" screws.
- Using scrap, cut 1x8 'lumbar' triangle supports and attach to Tower and bench supports.
- Design and cut 2x12 bench leg supports and install.
- Install 1x3 cedar slats for bench and complete detail.

The UMBRELLA

- Design and cut 4 curving rafters out of 1x8.
- Using an intersecting "Lincoln log cut" join two of them in the middle at 90 degrees.
- Cut the remaining two rafter at the ½ point creating 4 jack rafters. Use these to bisect the four quadrants creating the eight panels of the roof structure.
- Secure carefully being attentive to the symmetry to make it easier for the plywood work to follow.
- Using whatever level of math or method you are comfortable with, calculate and determine the size and shape of the 8 sheathing panels that will make up the roof.
  Secure these at the top and slowly bend them into place creating the arc. *Applying water to them will help them make the bend without cracking.
- Once the basic shape is created, fill, caulk and sand as you feel is necessary to make a smooth surface to receive whatever roof membrane you choose to apply.
- Add blocking to the tower or to the umbrella as you find necessary to be able to secure the umbrella to the tower in a way that will resist wind uplift. (I recommend at least one ledgerLOK screw per side.)

The FOUNDATION

- Cut 4 treated 4x4's at 36"
- At the location it is to be installed, dig a hole approximately 15"w x 15"l x 20" deep.
- Carefully set the four posts in a tight pattern approximately 9.75" x 9.75" – the inside dimension of the tower box. I recommend strapping them together at the top to keep this dimension tight.
- Using the removed dirt, back fill the hole tamping every two inches of elevation.
- Once secured, lift the tower and slide it over the posts. (This might require two people)
- Secure the tower to the foundation 4x4 using the 2" ledger locks being attentive to level as you secure it.
- Paint, stain, detail at our own discretion.
- Enjoy what you've created!

MATERIALS LIST

Library Tower	
24 lin. ft. 1x12 SPF or TK cedar (legs & shelves)	45.00
10 lin. ft. 1x2 SPF or TK cedar (face frame and sills)	
*salvaged - construction site scraps	0.00
12 lin. ft. 1x2 SPF or cedar (door frames)	
*salvaged – construction site scraps	0.00
3 sq. ft. 1/8” plexiglass	15.00
Bench	
7 lin. ft. 2x3 SPF (side bench supports)	4.00
4 lin. ft. 2x12 SPF (bench knees)	12.00
18 lin. ft. 1x3 cedar (bench slats)	
*salvaged – construction site scraps	0.00
Umbrella/roof	
16 lin. ft. 1x8 SPF or ply (roof rafter supports)	
*salvaged – construction site scraps	0.00
4’ x 4’ x ¼ - ½” cdx plywood (roof sheathing)	
*salvaged – construction site scraps	0.00
Foundation/Anchor	
12 lin. ft. pressure treated 4x4 (farmer’s sling)	4.00
Hardware	
3 sets of 2” hinges	12.00
3 cabinet double roller catches	3.00
3 cabinet pulls (salvaged)	0.00
24 ledger locks (2”)	5.00
Paints, compounds, coatings	
*exterior paints (*model had 4 colors)	
1 pint of exterior primer	5.00
4 pints of exterior color	16.00
1 pint of exterior spar varnish	5.00
Misc.	
Fillers, caulks, screws, brads	6.00
Total expenditures this model	$132.00

***For this project most materials were re-purposed scraps from construction sites.**
***Measurements and costs are approximations.**

Video Clip

Bryant Community LFL
‘’How to”

TOOL LIST

*Minimum 'old school' set of tools needed.

- Table saw or Circular saw
- Miter saw or miter box
- Finish Sander
- Screw driver or equivalent
- Hammer
- Paint brush

*If possible – these shop tools will ease the process and improve the accuracy!

- Small compressor & hose
- Brad gun
- Finish nail gun
- Cabinet stapler
- Router for 'rabbiting' doors
- Jig saw