

# PRE-CONVENTION WORKSHOP

## 1" scale & 1/2" scale Artist Studio Roombox

By Donna Henricks, Mesa, Arizona

### About the Artist

Donna Henricks has been doing miniatures since the late 80's. She was one of the owners of The Greenhouse Miniature shop in Ohio for about 20 years. Donna works in wood, polymer clay, does wicker, flowers, fruits and vegetables, furniture and vignettes in 1 inch and 1/2 inch scale. She has been a member of NAME since 1982 and was given the Ambassador Award from NAME last year. She was a dealer at state, regional and national house parties, plus other shows from the east coast to the west as far as Missouri. She has taught workshops at the house parties and shows. She wrote a book that was a reference and how-to called Period Floral Designs in Miniature and was commissioned to do a vegetable garden for one of the displays at the Mini Time Machine Museum in Tucson. Donna is still teaching and has a group called the Wednesday Witches that meets every week.

### • 1" scale Roombox •

#### Supplies - 1" scale:

- 1/4" plywood
- 1/8" x 3/4" Basswood
- 3/32" square Basswood
- 1/4" x 3/4" basswood
- 1/16" x 13/16" basswood
- 1/16" x 3" basswood
- Wood or paper flooring
- Graph paper
- Plastic for window and skylight
- Wood glue
- Stain or paint of your choice
- 1" scale window trim approximately 30 inches

#### Roombox - 1" scale:

##### Floor and ceiling:

1/4" x 15-1/2" x 10-1/4"

##### Side walls: 1/4" X 10 X 9

##### Window hole in back wall:

3" in from side

3-1/4" up from floor

##### Window opening size:

2-9/16" x 2-15/16"

##### Skylight - centered in ceiling:

8" long x 4" wide

##### Plastic for window and skylight:

4" x 8"

#### Riser - 1" scale:

Sides - cut 2: 1/8" x 3/4" x 5-1/2"

Sides - cut 2: 1/8" x 3/4" x 5-3/4"



Floor: glue 2 pieces of 3" wood together to get a piece 6" wide  
1/16" x 5-1/2" x 6"

Flooring: Cut to fit 5-1/2" by 6" box

Railing spokes: cut 14  
3/32" x 3/32" x 1-1/4"

#### Top and bottom rails:

Cut 2 pieces: 3/32" x 3/32" x 5-3/8"

Cut 2 pieces: 3/32" x 3/32" x 3-3/8"

Cut 2 pieces: 3/32" x 3/32" x 1-1/4"

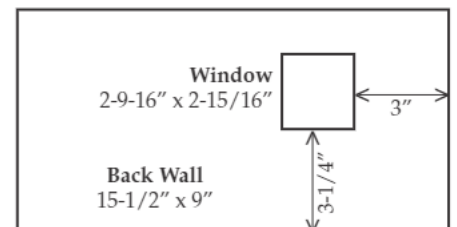
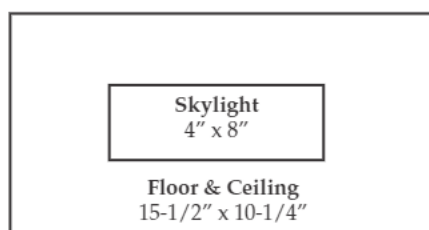
#### Step - 1" scale:

1 piece: 1/4" x 3/4" x 1-1/4"

1 piece: 1/16" x 3/16" x 1-3/8"

#### Assemble Roombox

1. Cut window and skylight openings. Glue the box together, with the two sides and the back on TOP of the base, and clamp. Don't attach the ceiling yet. Let dry.

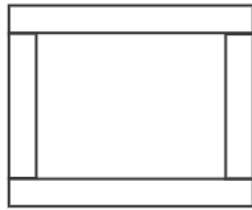


2. Gesso inside walls, then paint desired color. Paint ceiling. Glue flooring to floor of roombox.
3. Paint or stain all wood pieces for riser and steps, window trim, and flooring.
4. Cut window sash to fit around window and skylight openings. Mitre the corners. Cut plastic to fit openings. Insert plastic and glue on sashes.
5. Assemble riser: Glue the 4 sides together with the 5-3/4" sides between the 5-1/2" sides. The box should measure 5-1/2" x 6" when complete. Use graph paper to make sure it is square. Cut floor to fit top of box, and glue on top. Glue on the flooring.

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## Artist Studio Roombox

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Riser - looking down

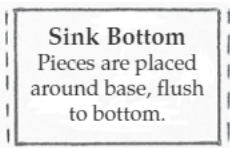
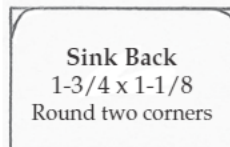
- Assemble steps: use sand paper to slightly round-off the front edges of the top step. Glue top step onto bottom step, with the top step centered from side to side.



- Assemble railings on graph paper, with the rails evenly spaced. Let dry, and then glue to the riser 1/8" in from the edge.
- Glue the riser in the right corner of the box. Glue the steps in place.
- Glue on ceiling, and clamp until dry.
- Finish the outside as desired.

### 1" scale Sink

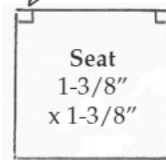
- Sink Bottom: 1/8" x 1-1/2" x 1"
- Sides - cut 2: 1/8" x 1" x 5/8"
- Front: 1/8" x 1-3/4 x 5/8"
- Back splash: 1/8" x 1-3/4" x 1-1/8"
- Legs - cut 2: 1-7/8"
- Faucets



### 1" scale Chair

- Back Legs, cut 2: 1/8" x 1/8" x 3"
- Front Legs, cut 2: 1/8" x 1/8" x 1-1/4"
- Upper Back Slats, cut 2: 1-1/8"
- Spindles, cut 3: 7/8"
- Rear Stretcher, cut 1: 1/16" x 1/8" x 1-1/8"
- Side Stretcher, cut 2: 1/16" x 1/8" x 1"
- Front Stretcher, cut 1: 1/16" x 1/8" x 1-1/16"
- Seat: 1/8" x 1-3/8" x 1-3/8"

Cut 1/8" out for placement of back legs.



## • 1/2" scale Roombox •

### Supplies - 1/2 scale:

- 1/16" plywood & 1/8" plywood
- 3/32" x 3/8 basswood
- 1/16" x 1/16" basswood
- 1/8" x 1/4" basswood
- 1/32" x 5/16" basswood
- 1/16" x 3" basswood

- Wood or paper flooring
- Graph paper
- Plastic for window and skylight
- Wood glue
- Stain or paint of your choice
- 1/2" scale window trim approximately 24 inches

### Roombox - 1/2" scale:

#### Floor and ceiling:

1/16" x 8-5/8" x 6-1/6"

Side walls: 1/8" x 6" x 6-1/8"

Back wall: 1/8" x 8-5/8" x 6"

#### Window hole in back wall:

1-1/2" from side

3" up from floor

Window opening size: 1-1/2" x 1-1/2"

#### Skylight - centered in ceiling:

4-5/8" x 2-1/2"

#### Plastic for window and skylight:

2-1/2" x 4-5/8"

1-1/2" x 1-1/2"

### Riser - 1/2" scale:

Sides - cut 2: 3/32" x 3/8" x 3"

Sides - cut 2: 3/32" x 3/8" x 2-3/16"

Floor: glue 2 pieces of 3" wood together to get a piece 6" wide

Flooring: Cut to fit 3" x 3"

#### Railing spokes: cut 14

1/16" x 1/16" x 5/8"

#### Top and bottom rails:

Cut 2 pieces: 1/16" x 1/16" x 15/16"

Cut 2 pieces: 1/16" x 1/16" x 7/16"

Cut 2 pieces: 1/16" x 1/16" x 1 7/8"

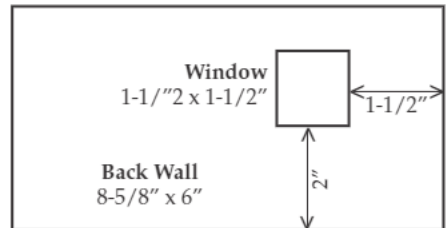
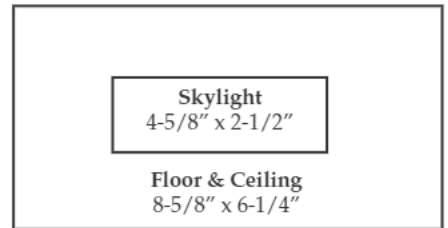
### Step - 1/2" scale

1 piece: 1/8" x 1/4" x 1/2"

1 piece: 1/32" x 5/16" x 1/2"

## Assemble Roombox

- Cut window and skylight openings. Glue the box together, with the two sides and the back on TOP of the base, and clamp. Don't attach the ceiling yet. Let dry.



- Gesso inside walls, then paint desired color. Paint ceiling. Glue flooring to floor of roombox.
- Paint or stain all wood pieces for riser and steps, window trim, and flooring.
- Cut window sash to fit around window and skylight openings. Mitre the corners. Cut plastic to fit openings. Insert plastic and glue on sashes.
- Assemble riser: Glue the 4 sides together with the 5-3/4" (2-3/16") sides between the 5-1/2" (3") sides. The box should measure 5-1/2" x 6" (3" x 3") when complete. Use graph paper to make sure it is square. Cut floor to fit top of box, and glue on top. Glue on the flooring.
- Assemble steps: use sand paper to slightly round-off the front edges of the top step. Glue top step onto bottom step, with the top step centered from side to side.
- Assemble railings on graph paper, with the rails evenly spaced. Let dry, and then glue to the riser 1/8" in from the edge.
- Glue the riser in the right corner of the box. Glue the steps in place.
- Glue on ceiling, and clamp until dry.
- Finish the outside as desired.

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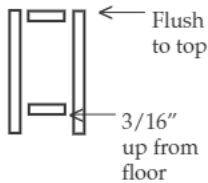
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### 1/2' scale Sink

- Sink Bottom:  $1/16'' \times 1/2'' \times 3/4''$
- Sides - cut 2:  $1/16'' \times 5/16'' \times 1/2''$
- Front:  $1/16'' \times 5/16'' \times 7/8''$
- Back Splash:  $1-3/4'' \times 1-1/8'' \times$
- Legs - cut 2:  $15/16''$
- Wire for Faucets
- Beads for faucet handles

### 1/2" scale Stool

- Seat:  $1/16'' \times 1/2'' \times 1/2''$
- Legs - cut 4:  $1/16'' \times 1/16'' \times 3/4''$
- Stretchers - cut 8:  
 $1/16'' \times 1/16'' \times 1/4''$



Make 2 of these.

Glue remaining braces.

Attach seat.



1" scale kits



1/2" scale kits

Kits available for 1" scale and 1/2" scale (prices are the same for either scale)  
Complete set of furniture kits: \$90.00, plus 5.95 postage

Individual pieces: Stool kit: \$5.00, Drafting table kit: \$25.00, Chair kit: \$10.00,  
Table kit: \$15.00, Tabouret kit: \$15.00, Easel kit: \$20.00

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