

NAME Day 2013 "A CART FOR ALL REASONS"

1" & 1/2" Scales

Designed by the NAME Day 2013 Committee



TOOLS

- Scissors
- Sandpaper
- Gluing Square or Legos

• 1" SCALE CART MATERIALS •

1" Cart Box:

- A 1 pc. 1/16" x 3" x 5" long (cart box bottom)
 B 2 pcs. 3/32" x 3/8" x 3" (cart box ends)
 C 2 pcs. 3/32" x 3/8" x 5-3/16" long (cart box sides)
 D 2 pcs. 3/32" x 5/8" x 5/8" (box divider spacers)
 E 1 pc. 3/32" x 5/16" x 3" long (box divider)
 F 2 pcs. 3/32" x 1/8" x 1-3/8" long (post braces)
 G 2 pcs. 3/32" x 1/4" x 6-1/2" long (box handle supports with 1/8" hole drilled for handle)
 H 1 pc. 1/8" dowel x 2-31/32" long (handle)
 I 2 pcs. 1/8" x 1/4" x 2-3/4" long (under box supports)

1" Cart Base:

- J 2 pcs. 3/32" x 5/16" x 2-3/4" long (back legs)
 K 2 pcs. 3/32" x 5/16" x 2" long (front legs with 3/16" hole drilled)
 L 4 pcs. 1/8" x 1/4" x 1-9/16" (shelf support spacers)
 M 2 pcs. 3/32" x 5/16" x 2-9/16" (bottom shelf supports)
 N 1 pc. 1/16" x 2-1/2" x 4-1/2" long (bottom shelf)
 O 1 pc. 3/16" dowel x 3-3/16" long (axle)
 P 2 pcs. 1/16" x 1/4" diameter circles (bead caps) (caps for axle hole on wheels) (can be found in jewelry findings in any craft store)

- P 2 pcs. 2" diameter circles with 3/16" center hole (wheels)
 P 4 pcs. 4 Hubs for wheels – either wood with 3/16" hole (laser cut) or metal washers from a hardware store. (around 3/8" diameter)

1" Trellis:

- Q 2 pcs. 1/16" x 3/16" x 4-3/8" long (trellis frame sides)
 R 2 pcs. 1/16" x 3/16" x 2-5/8" long (trellis frame ends)
 S 1 pc. 3/32" x 1/4" x 4-7/8" long (trellis long center)
 T 2 pcs. 3/32" x 3/32" x 4-7/8" long (trellis long beams)
 U 3 pcs. 3/32" x 3/32" x 2-5/8" long (trellis crossbeams)
 V 6 pcs. 3/32" x 3/32" x 7/8" long (trellis crossbeam ends)
 W 2 pcs. 1/16" x 1/4" x 1-3/4" long (trellis shelf supports)
 X 2 pcs. 1/4" x 1/4" x 3-3/4" long (posts)
 Y 1 pc. 1/16" x 1-1/4" x 3-3/4" long (trellis shelf)

• 1/2" SCALE CART MATERIALS •

1/2" Cart Box:

- A 1 pc. 1/16" x 1-1/2" x 2-1/2" long (cart box bottom)
 B 2 pcs. 1/16" x 3/16" x 1-1/2" (cart box ends)
 C 2 pcs. 1/16" x 3/16" x 2-5/8" long (cart box sides)
 D 2 pcs. 3/32" x 5/16" x 5/16" (box divider spacers)
 E 1 pc. 1/16" x 1/8" x 1-1/2" long (box divider)
 F 4 pcs. 1/16" x 3/32" x 11/16" long (post braces)
 G 2 pcs. 1/16" x 1/8" x 3-1/4" long (box handle supports with 1/16" hole drilled for handle)
 H 1 pc. 1/16" dowel x 1-1/2" long (handle)
 I 2 pcs. 1/16" x 1/8" x 1-3/8" long (box supports)

1/2" Cart Base

- J 2 pcs. 1/16" x 5/32" x 1-3/8" long (back legs)
 K 2 pcs. 1/16" x 5/32" x 1-1/16" long (front legs with 1/8" hole drilled)
 L 2 pcs. 1/16" x 3/16" x 3/4" (shelf support spacers)
 M 2 pcs. 1/16" x 5/32" x 1-9/32" (bottom shelf supports)

- N 1 pc. 3/64" x 1-1/4" x 2-1/4" long (bottom shelf)
 O 1 pc. 1/8" dowel x 1-3/4" long (axle)
 P 2 pcs. 3/16" diameter circles (bead caps or punched paper circles - not necessary if hubs used)
 P 2 pcs. 1" diameter circles with 1/8" center hole (wheels)
 P 4 pcs. 4 Hubs for wheels – either wood with 1/8" hole (laser cut) or metal washers from a hardware store. (around 1/4" diameter)

1/2" Trellis:

- Q 2 pcs. 1/16" x 3/32" x 2-1/4" long (trellis frame sides)
 R 2 pcs. 1/16" x 3/32" x 1-5/16" long (trellis frame ends)
 S 1 pc. 1/16" x 3/16" x 2-1/2" long (trellis long center)
 T 2 pcs. 1/16" x 1/16" x 2-1/2" long (trellis long beams)
 U 3 pcs. 1/16" x 1/16" x 1-5/16" long (trellis crossbeams)
 V 6 pcs. 1/16" x 1/16" x 7/16" long (trellis crossbeam ends)
 W 2 pcs. 1/32" x 1/8" x 7/8" long (trellis shelf supports)
 X 2 pcs. 1/8" x 1/8" x 1-7/8" long (posts)
 Y 1 pc. 3/64" x 5/8" x 1-7/8" long (trellis shelf)

• CART BOX •



Photo 1

Place a bead of glue along the short end of the CART BOX BOTTOM (part A)

Attach the short cart box ends (part B). Repeat on the other end.

Place glue on the long sides of the cart box bottom

and the ends of Part B, and attach the 2 cart box sides (part C).

Place box divider spacers (part D) at one end.

Place a small bead of glue along the ends and bottom edge of the box divider (Part E) and position up against the spacers.

—Continued on next page

NAME Day 2013 "A CART FOR ALL REASONS" • 1" & 1/2" Scales



Photo 2

Glue the 4 post braces (part F) in place as shown in photo 2.

Using an emery board, round the hole end of the box handle sup-ports (parts G). Glue the handle (part H) into the holes making sure they are flush on the outside edges.

Turn Cart box assembly over and glue the handle assembly to the bottom of the cart box positioning it so that the handles are glued to the cart box bottom (part A) and not the edges.



Photo 3

Glue the two box supports (parts I) in place. One positioned 1/2" (1/4" for half scale) in from the handle end and the other 1-1/8" (9/16" for half scale) in from the opposite end.

Attach the back legs (parts J) to the cart box bottom (part A), the box supports (parts I) and the cart box sides (parts C).



Photo 4

Attach the front legs (parts K) in the same manner with the axle hole at the unattached end.

Allow to dry 15 minutes.



Photo 5

Tape the 2 spacers to the back-legs flush with the cart box bottom.

braces making sure they are straight and that all contacted surfaces are glued.

Set aside to dry thoroughly.

• THE TRELLIS •

Parts Q & R



Photo 9

Form a box with the trellis parts (Q & R) gluing the ends (part R) between the sides (part Q). (photo 9)

Parts S, & T



Photo 10

Find and mark the middle of the box ends.

Glue the Trellis Long Center (part S) on the middle mark as shown.

Find and mark the middle of the space to the right and left of the center and glue the two narrow

long beams (parts T) on the marks as shown.

Parts U

Turn upside down.

Glue the three crossbeams (parts U) evenly spaced to each long piece that it touches and at the ends.



Photo 11



Photo 6

Glue the bottom shelf supports (part M) to the back legs resting on the spacers.

Clamp the legs and bottom shelf supports in place and remove the spacers . . . carefully.

Repeat 5 and 6 for the front legs.

Tip: rubber bands work well as a clamp

Allow to dry 15 minutes

Slip the axle (part O) through the hole of the of the front legs.



Photo 7

Then place one "hub" onto the axel, then the wheel and a final hub. Glue wheel and outside hub to the dowel with a light bit of glue.

Glue cap on the end of the axel as a decorative trim.

Recommend: Ultimate glue or E6000 for metal to wood applications.

Posts: Parts X



Photo 8

Glue the posts (parts X) to the cart bottom between the post

—Continued on next page

NAME Day 2013 "A CART FOR ALL REASONS" • 1" & 1/2" Scales



Photo 12

Parts V

Turn over again.
Glue the 6 crossbeam ends (parts V) as shown on the right side.

Repeat on the left side.

Set aside to dry.

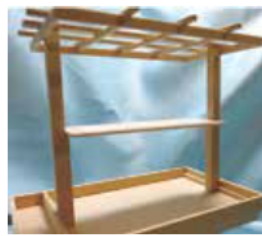


Photo 14

Trellis Shelf Part Y

Center and glue the Trellis Shelf to the posts and shelf supports.



Photo 16

Bottom Shelf Part N

Locate the bottom shelf (part N) and glue in place on top of the Bottom Shelf Supports as shown.

Your unit is done and ready to paint or stain and decorate.

1" scale diagrams on pages 33 & 34

1/2" scale diagrams on pages 35

Shelf supports: Parts W



Photo 13

Glue the two shelf supports (parts W) to the inside base of the posts as shown.



Photo 15

Glue the Trellis assembly to the top of the posts.

NAME Day 2013 "A CART FOR ALL REASONS" • 1/4" Scale



1/4" SCALE CART MATERIALS

1/4" scale Cart Box:

- A 1 pc. 1/32" x 3/4" x 1-1/4" long (cart box bottom)
- B 2 pcs. 1/32" x 1/8" x 3/4" long (cart box ends)
- C 2 pcs. 1/32" x 1/8" x 1-5/16" long (cart box sides)
- D 1 pcs. 1/16" x 5/32" x 1/2" (box divider spacer)
- E 1 pcs. 1/32" x 3/32" x 3/4" long (box divider)
- F 4 pcs. 1/32" x 1/16" x 11/32" long (post braces)

- G 2 pcs. 3/64" x 3/32" x 1-3/4" long (box handle supports w 3/64" hole drilled for handle)
- H 1 pc. 3/64" dowel x 3/4" long (handle)
- I 1 pcs. 3/64" x 5/8" x 7/8" long (box support)

1/4" scale Cart Base:

- J 2 pcs. 3/64" x 3/32" x 11/16" long (back legs)
- K 2 pcs. 3/64" x 3/32" x 9/16" long (front legs with 1/16" hole drilled)
- M 4 pcs. 1/32" x 3/32" x 3/8" (bottom shelf supports)
- N 1 pc. 1/32" x 1/2" x 1-1/8" long (bottom shelf)
- O 1 pc. 3/64" dowel x 13/16" long (axle)
- P 2 pcs. 3/32" diameter circles (bead caps or punched paper circles - not necessary if hubs used)
- P 2 pcs. 1/2" diameter circles with 3/64" center hole (wheels)

1/4" scale Trellis:

- Q 2 pcs. 1/32" x 1/16" x 1-9/64" long (trellis frame sides)
- R 2 pcs. 1/32" x 1/16" x 11/16" long (trellis frame ends)
- S 1 pc. 1/32" x 3/32" x 1-3/8" long (trellis long center)
- T 2 pcs. 1/32" x 1/32" x 1-3/8" long (trellis long beams)

- U 3 pcs. 1/32" x 1/32" x 1" long (trellis crossbeams)
- W 2 pcs. 1/32" x 1/16" x 1/2" long (trellis shelf supports)
- X 2 pcs. 1/16" x 1/16" x 1-1/16" long (posts)
- Y 1 pcs. 1/32" x 5/16" x 15/16" long (trellis shelf)

Cart Box:



Photo 1

Place a bead of glue along the short end of the CART BOX BOTTOM (part A)

Attach the short cart box ends (part B. Repeat on the other end.

Place glue on the long sides of the cart box bottom and the ends of Part B, and attach the 2 cart box sides (part C).

Place box divider spacers (part D) at one end.

Place a small bead of glue along the ends and bottom edge of the box divider

—Continued on next page

NAME Day 2013 "A CART FOR ALL REASONS" • 1/4" Scale



Photo 2

(Part E) and position up against the spacers.

Without moving the divider, remove the spacers.

Glue the 4 post braces

(part F) in place as shown in photo 2

Using an emery board, round the hole end of the box handle supports (parts G). Glue the handle (part H) into the holes making sure they are flush on the outside edges.

Turn Cart box assembly over and glue the handle assembly to the bottom of the cart box positioning it so that the handles are glued to the cart box bottom (part A) and not the edges.



Photo 3

Glue the box support (I) in place about 3/16" in from the handle end. Attach the back legs (parts J) to the cart box bottom (part A), the box support (part I) and the cart box sides (parts C).

Attach the front legs (parts K) in the same manner with the axle hole at the unattached end.

Allow to dry 15 minutes.



Photo 4

Glue the 4 shelf supports (M) to the legs, flush with the cart box bottom.



Photo 5

Place glue on the top of each shelf support and lay the shelf on top, centering between the two legs. The shelf will not quite touch the legs on each side.

Allow to dry 15 minutes



Photo 6

Slip the axle (part O) through the holes in the front legs.

Then place one "hub" onto the axle, then the wheel and a final hub. Glue wheel and outside hub to the dowel with a light bit of glue.

Posts: Parts X



Photo 7

Glue the posts (parts X) to the cart bottom between the post braces

making sure they are straight and that all contacted surfaces are glued.

Set aside to dry thoroughly.

The Trellis:



Photo 8

Parts Q & R

Form a box with the trellis parts (Q & R) gluing the ends (part R) between the sides (part Q).

Parts S, & T

Find and mark the middle of the box ends. (I just eyeball it in this small scale)



Photo 9

Glue the Trellis Long Center (part S) on the middle mark as shown.

Find and mark the middle of the space to the right and left of the center and glue the two narrow long beams (parts T) on the marks as shown.



Photo 10

Parts U

Glue the three crossbeams (parts U) evenly spaced on top of the long beams.

Shelf supports: Parts W



Photo 11

Glue the two shelf supports (parts W) to the inside base of the posts as shown.

Trellis Shelf Part Y

Center and glue the Trellis Shelf to the posts and shelf supports



Photo 12

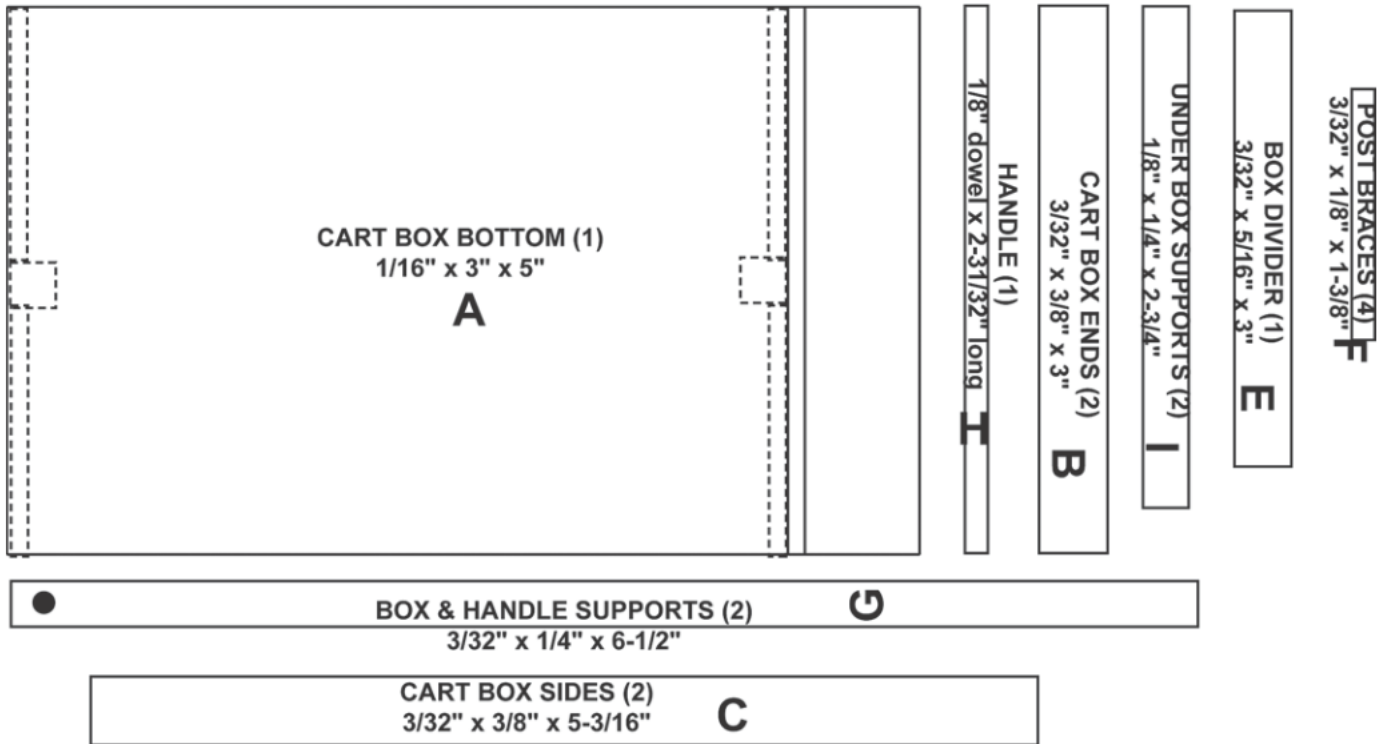
Glue the Trellis assembly to the top of the posts.

Your unit is done and ready to paint or stain and decorate.

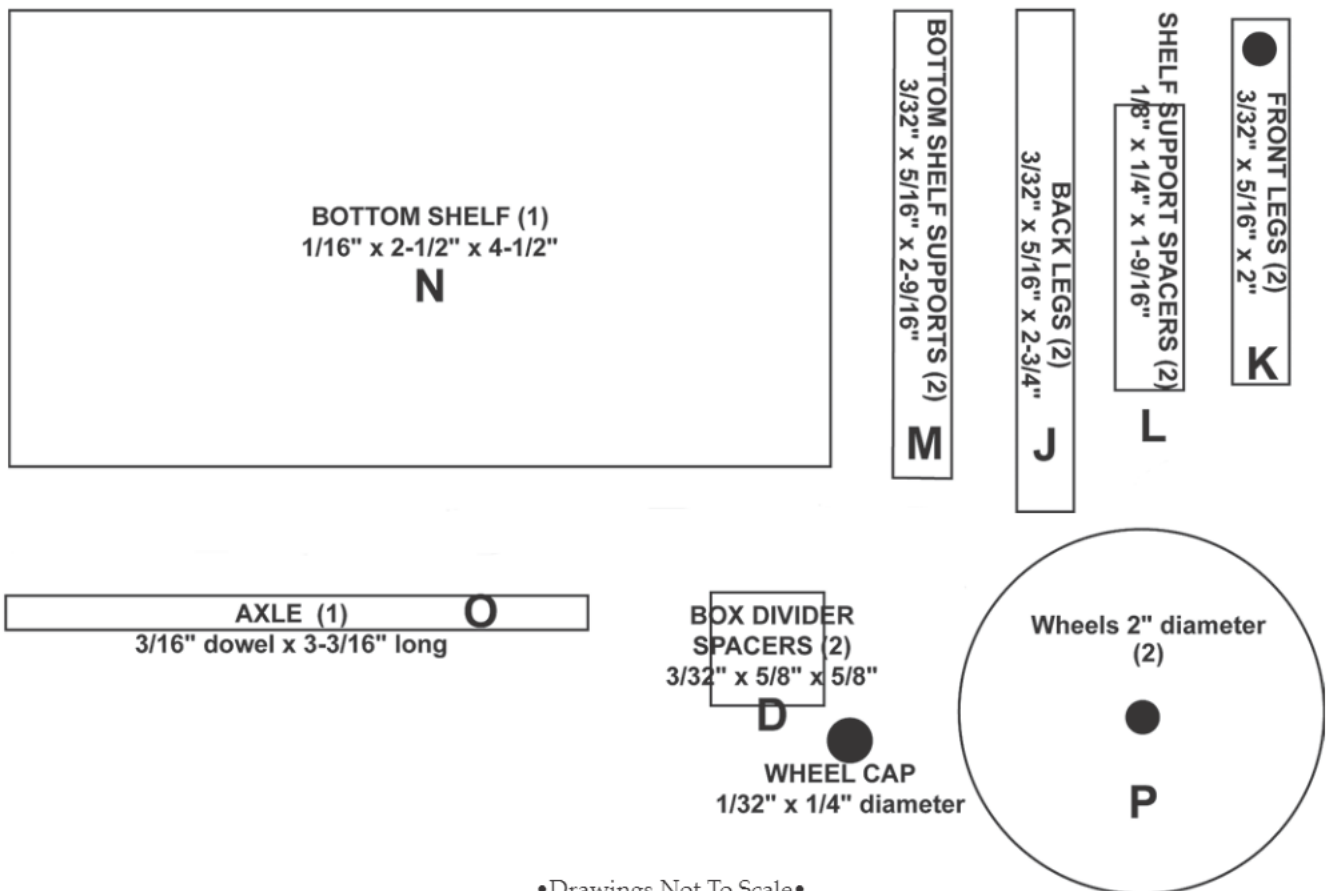
1/4" scale diagrams on page 36

NAME Day 2013 "A CART FOR ALL REASONS" • 1" Scale

1" CART BOX



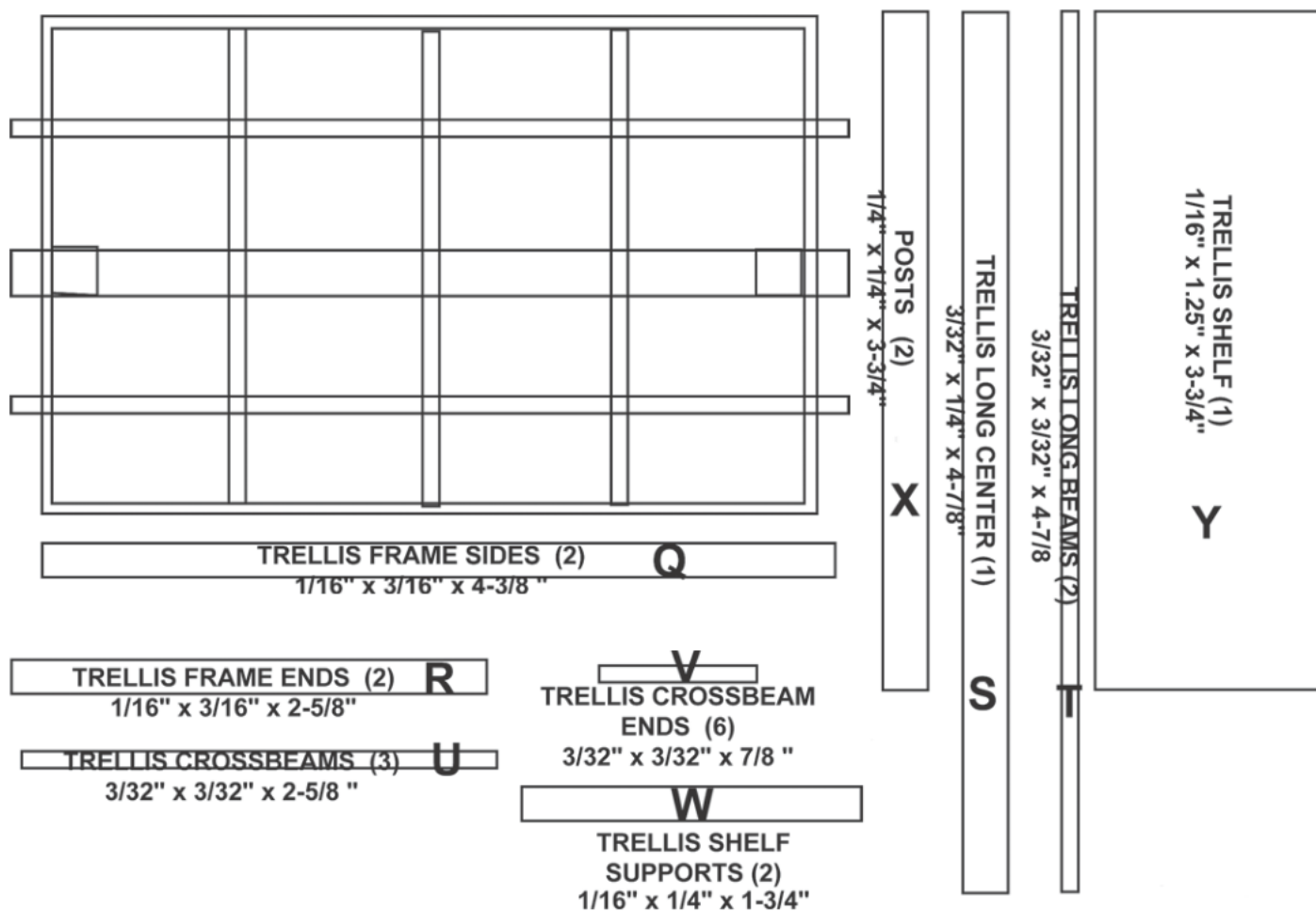
1" CART BASE



•Drawings Not To Scale•

NAME Day 2013 "A CART FOR ALL REASONS" • 1" Scale

1" TRELLIS



• Drawings Not To Scale •

- Articles • Photos • Workprojects •
- In Memory • Ads • Calendar • State Day Events
- NAME Promoters • Youth News • Club News •
- Members Gallery •

Deadlines

January / February: October 1
 March / April: December 1
 May / June: February 1
 July / August: April 1
 September / October: June 1
 November / December: August 1

Send all items for the Gazette to:

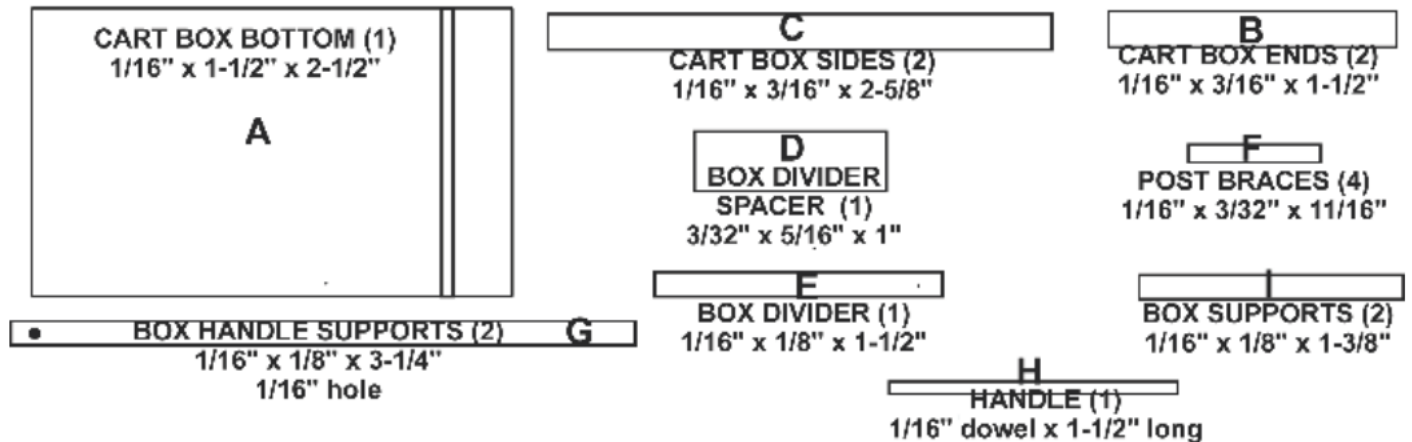
Dorothy A. Hansen, *Miniature Gazette* Editor
 PO Box 1285, Monroe WA 98272-4285
 E-mail: gazette@miniatures.org

Online Estate Auctions

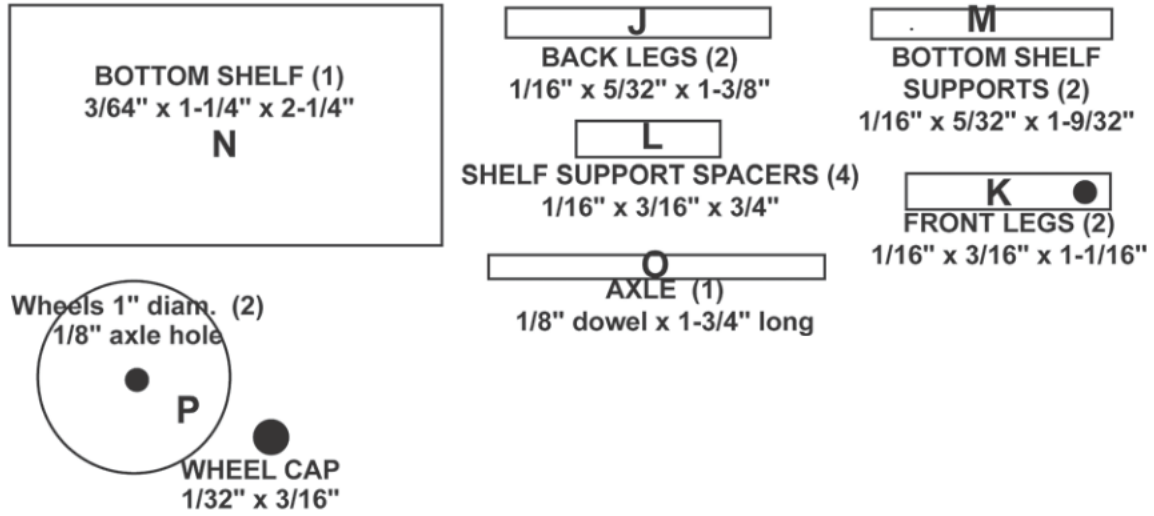
To receive information on how to register or a copy of the rules, simply email Babette Overman at boverman@gmail.com. Registration is simple and only needs to be done once. It takes a lot of time to sort, clean and catalog donations, so NAME plans to continue to hold auctions periodically as time permits.

Babette Overman,
Fundraising Liaison
boverman@gmail.com

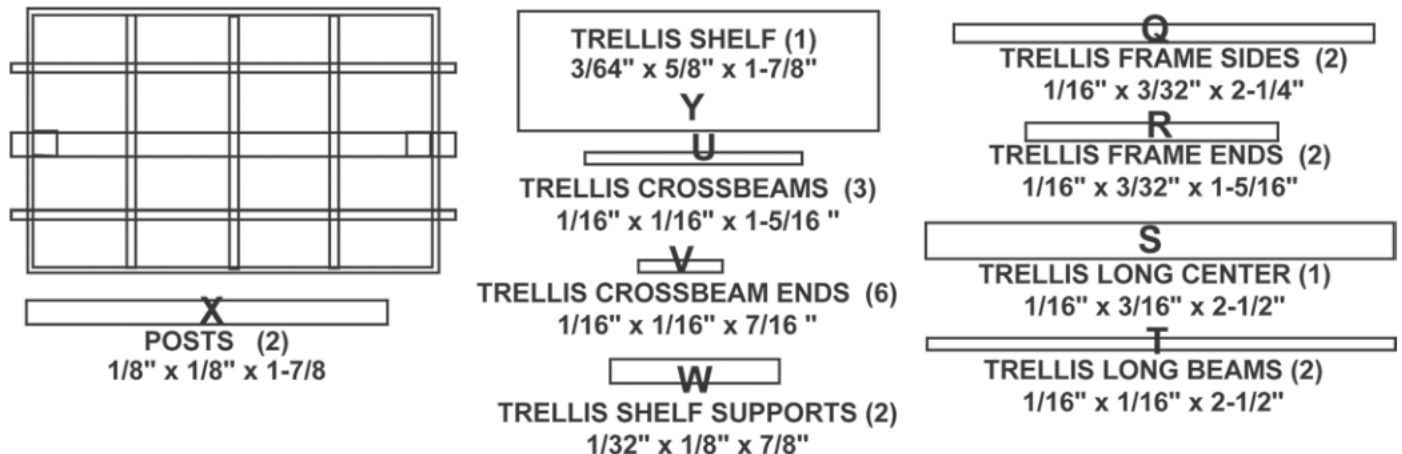
1/2" CART BOX



1/2" CART BASE



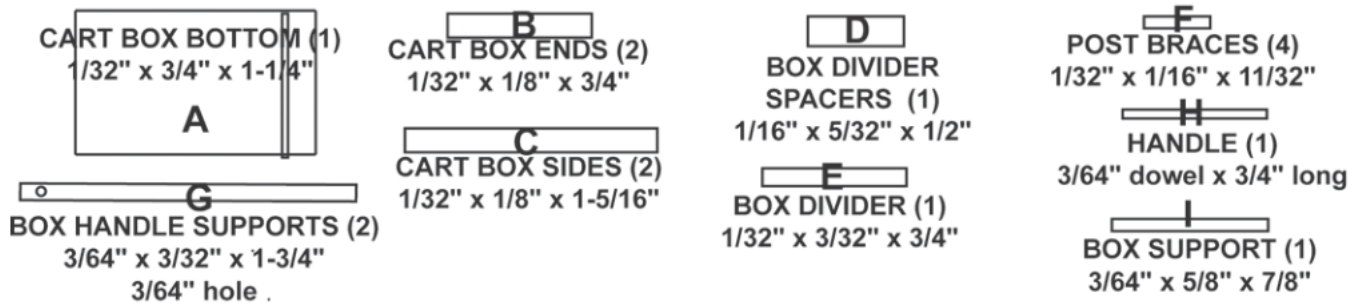
TRELLIS



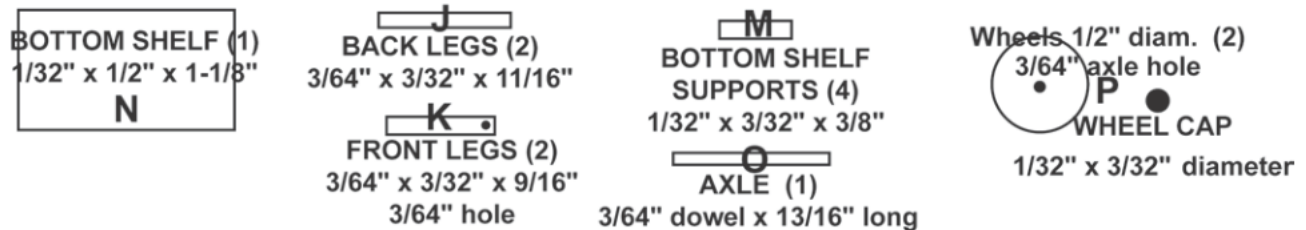
•Drawings Not To Scale•

NAME Day 2013 "A CART FOR ALL REASONS" • 1/4" Scale

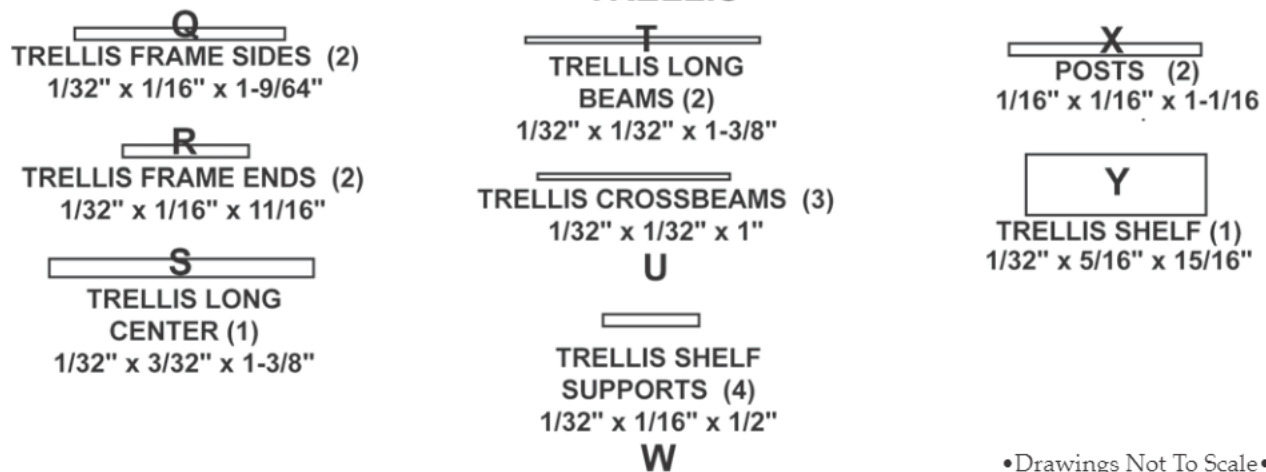
1/4" CART BOX



1/4" CART BASE



TRELLIS



•Drawings Not To Scale•

Share your projects with other NAME members.

Send your photos and/or workprojects to:

Dorothy Hansen, Gazette Editor, PO Box 1285, Monroe WA 98272

Email: MiniGazette@aol.com

Copy and Ad Deadlines

January / February: October 1

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May / June: February 1

July / August: April 1

September / October: June 1

November / December: August 1