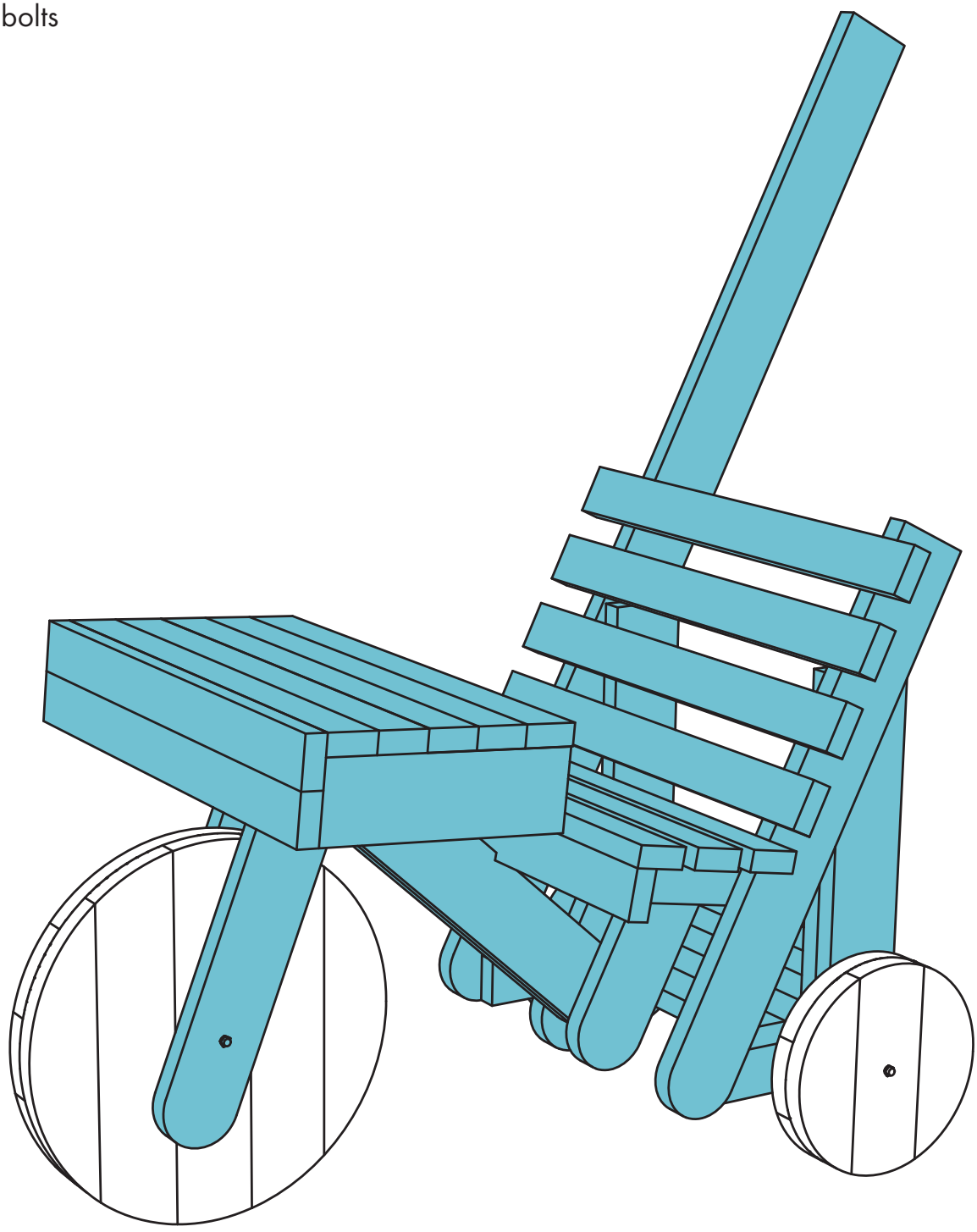
TRICYCLE

Use: Architecture Folly
Count: 1
Materials + Directions:
2x4 pressure treated lumber
2x6 pressure treated lumber
[2] paint colors (blue body + white wheels)
[3] 1/2" bolts
Screws

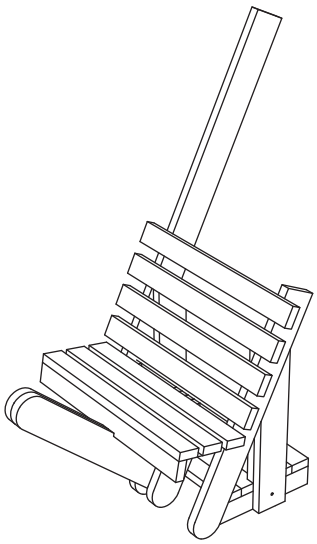


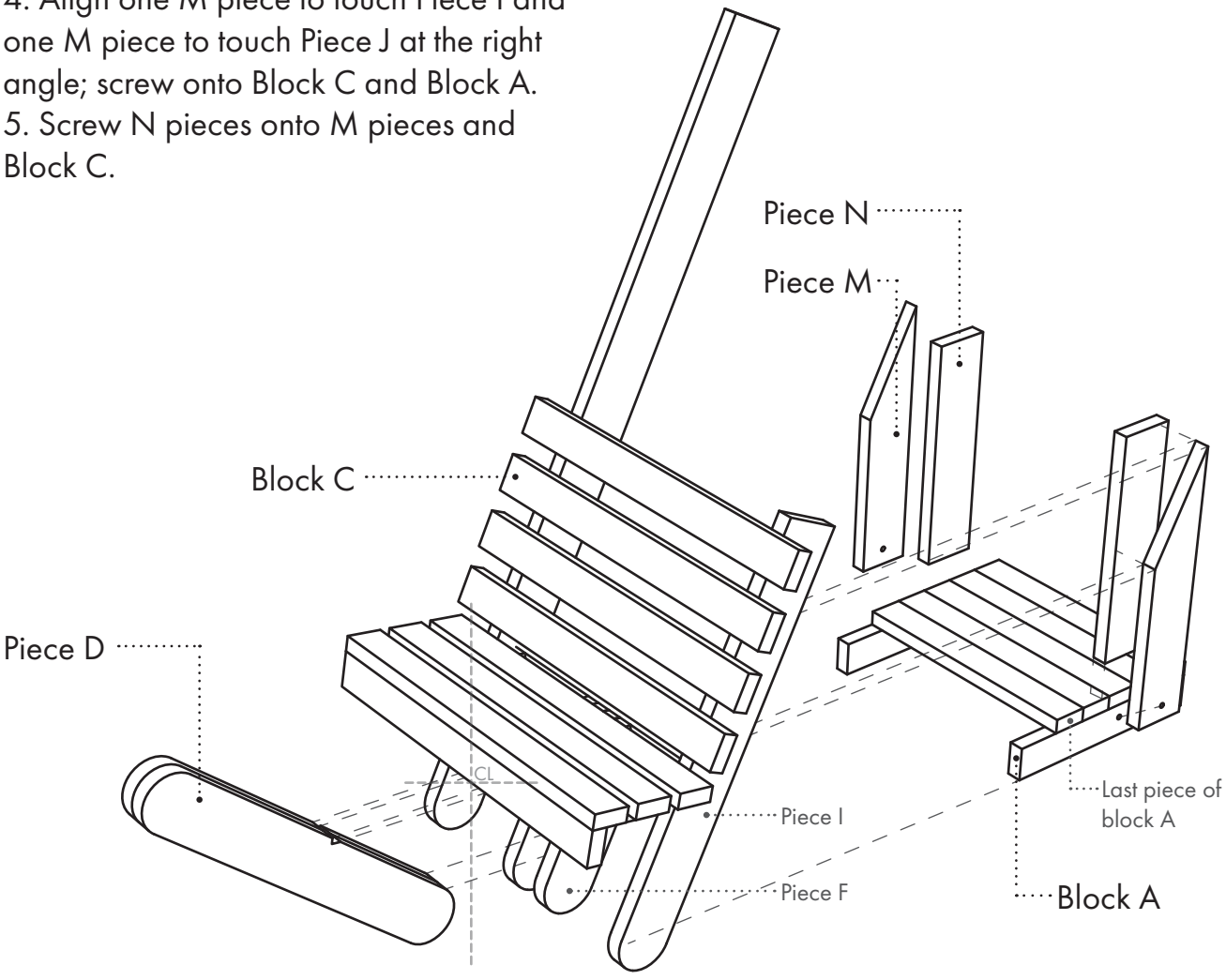
ASSEMBLY

STEP 1

Piece D: Qty. 2
Piece M: Qty. 2
Piece N: Qty. 2
Block C
Block A

Directions:
1. Screw together both D pieces
2. Fit them in between Pieces F from Block C and pull them up to fit on bird's mouth (They fit slightly higher than the rest). Align on center and screw to secure pieces onto Block C.
3. Align the last piece of block A to the edge of Block C; screw from outside.
4. Align one M piece to touch Piece I and one M piece to touch Piece J at the right angle; screw onto Block C and Block A.
5. Screw N pieces onto M pieces and Block C.



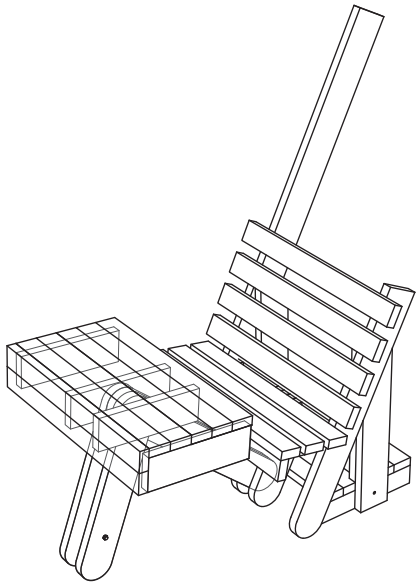


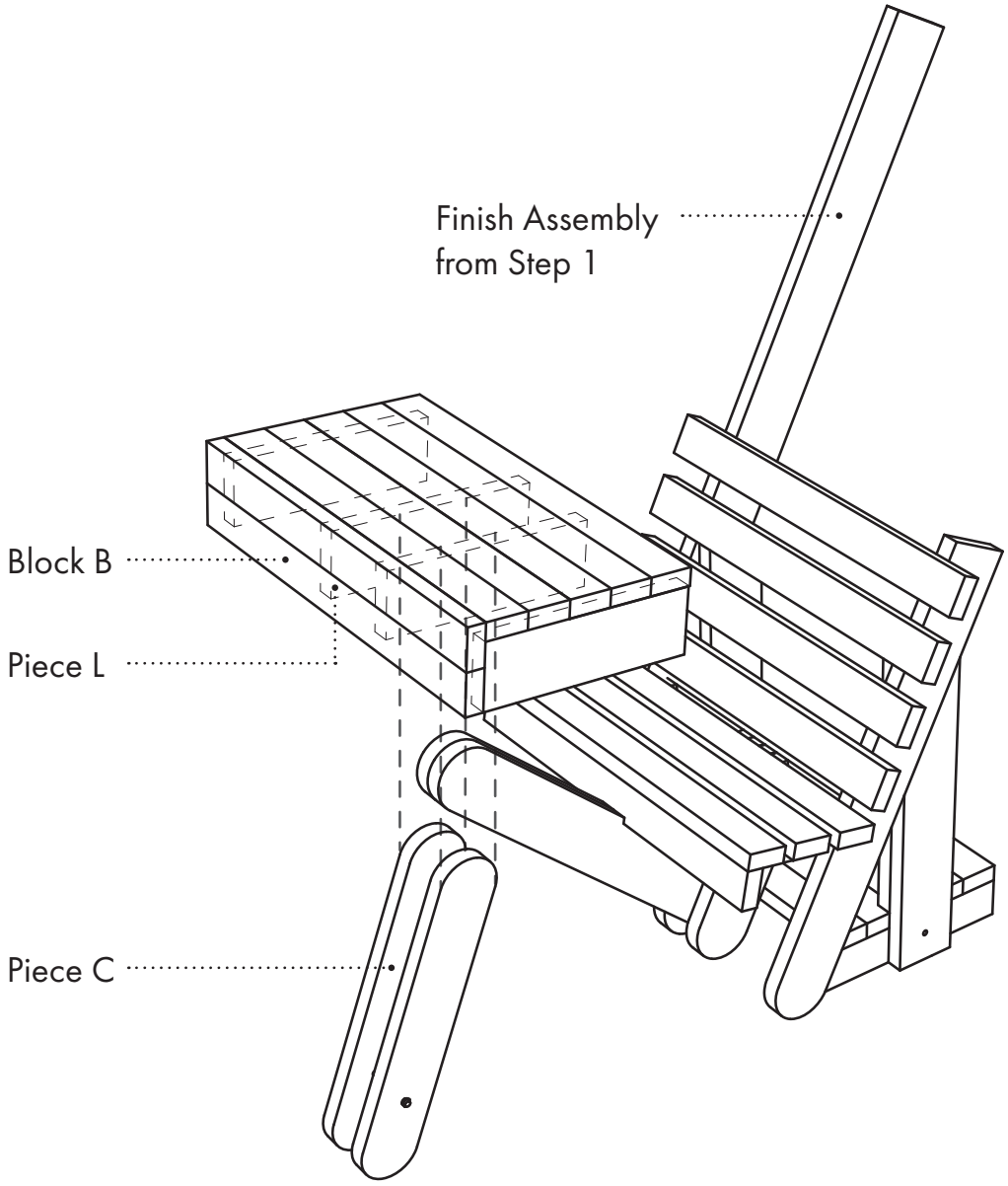
ASSEMBLY STEP 2

Block B
Finish Assembly from Step 1

Directions:
1. Fit Block B in between the two C and L pieces onto the center of Block B; secure with screws.

Note:
This is your chance to give the table a slight slope if so desired.

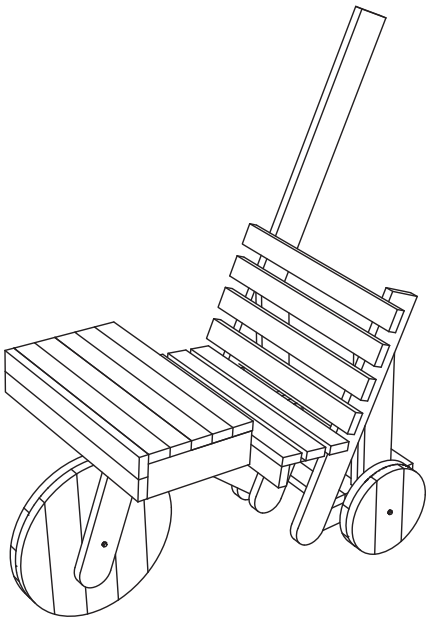


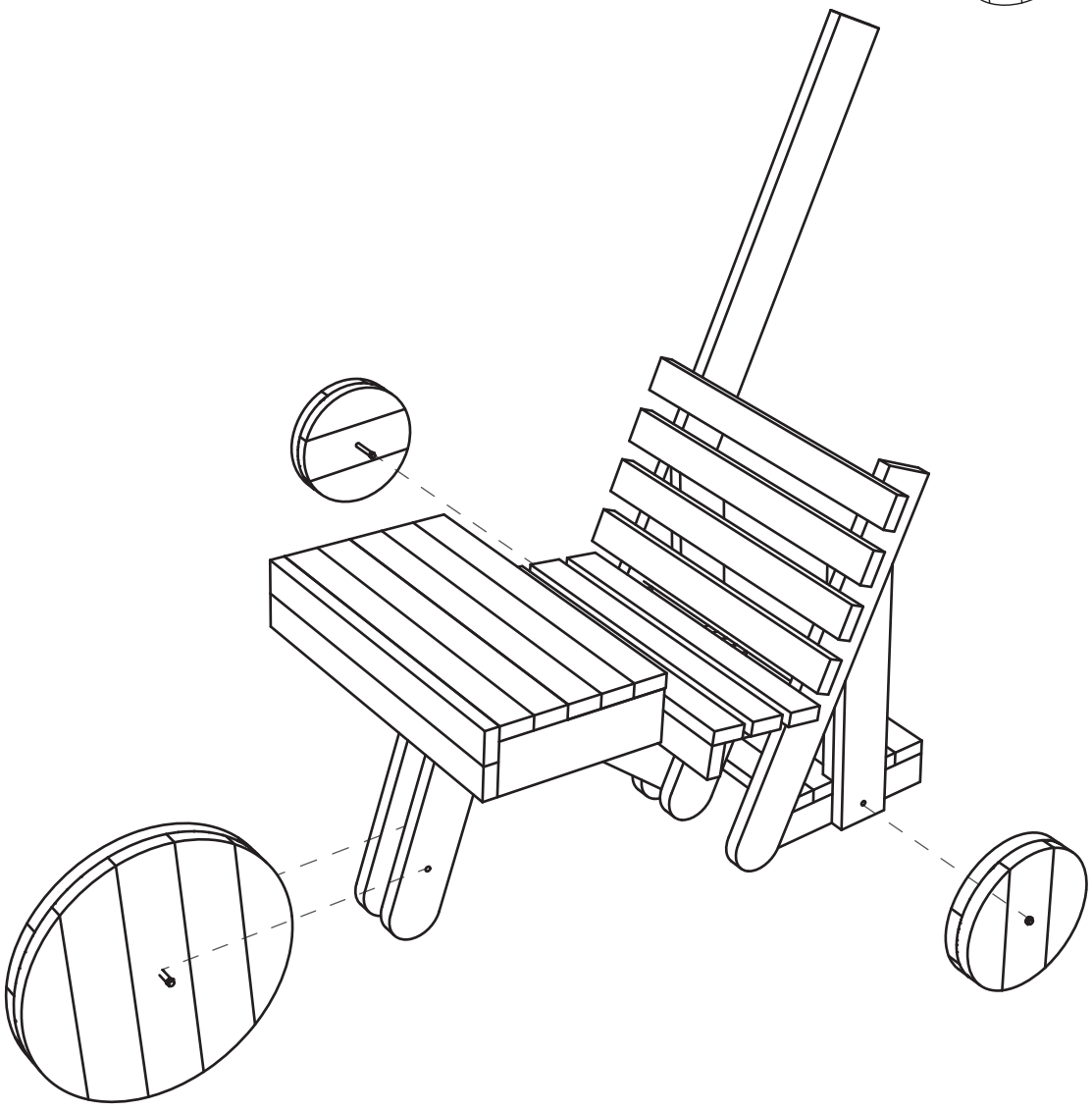


ASSEMBLY STEP 3

Piece A: Qty. 1
Piece B: Qty. 2

Directions:
1. Position and align Piece B (small wheels) to piece M.
2. Insert bolt through pre-drilled holes and tighten bolt heads to fix in position. Make sure there's room for the wheel to rotate.
3. Slide Piece A (big wheel) in between Piece C.
4. Insert bolt through pre-drilled hole and tighten bolt heads to fin in position. Make sure there's room for the wheel to rotate.

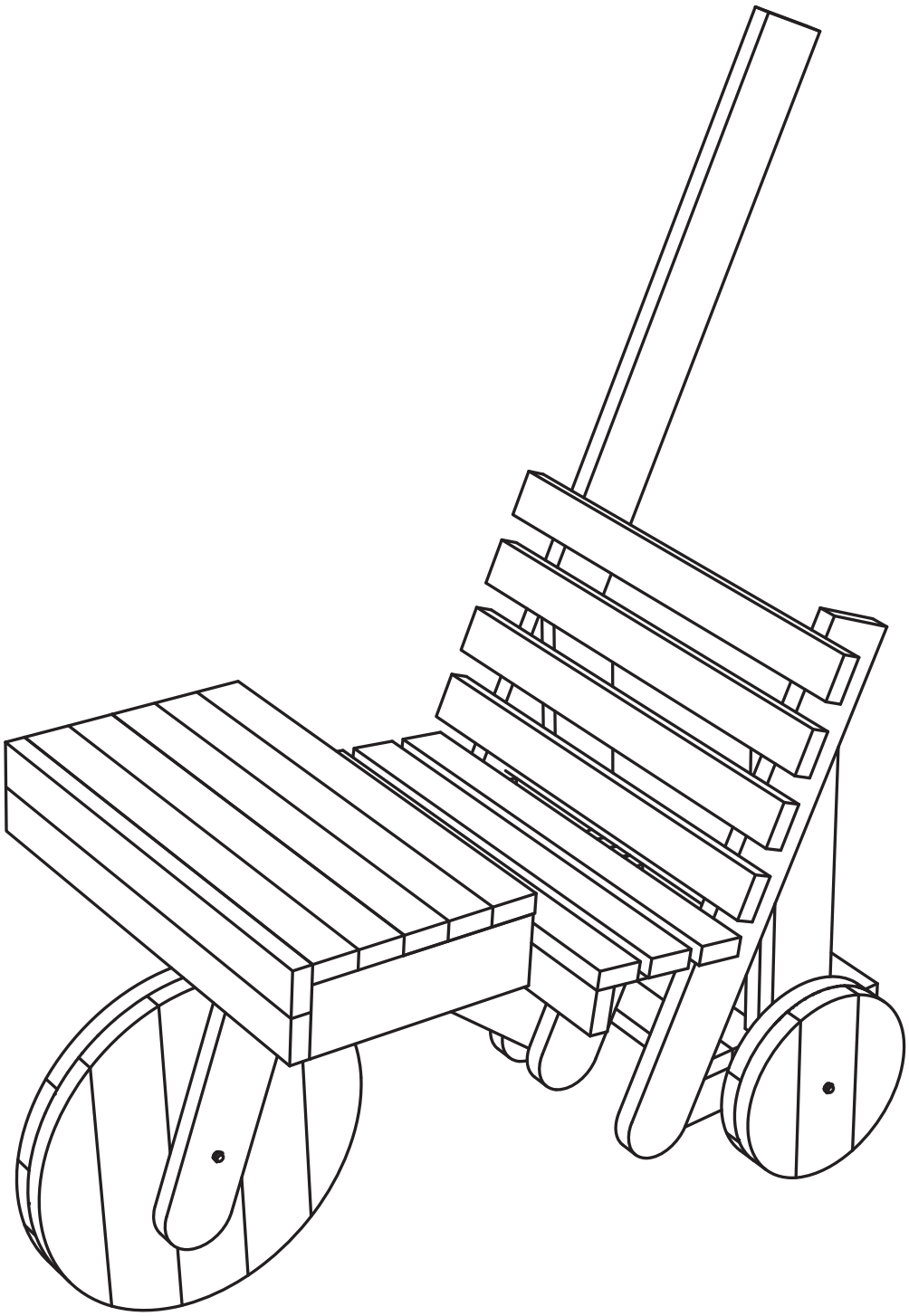




ASSEMBLY FINISH

Directions:

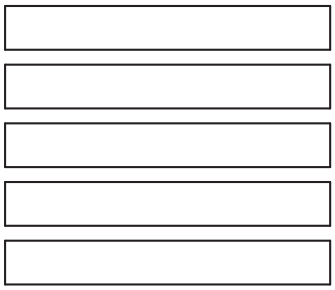
1. Touch-up paint (blue for the body + white for the wheels)



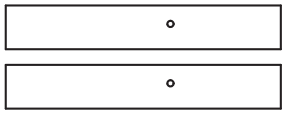
ASSEMBLY BLOCK A

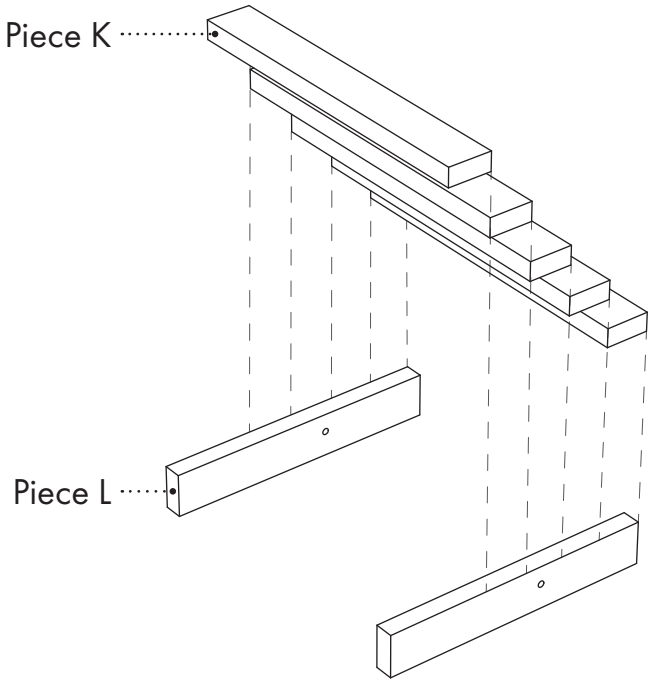
Use: Back stand
Count: 1

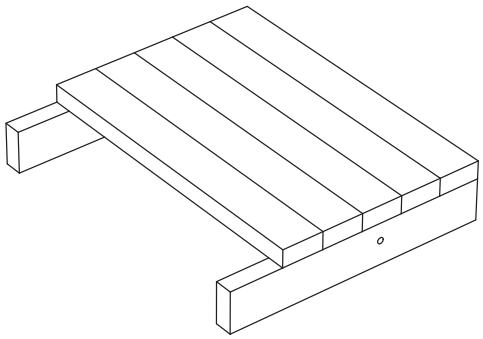
Piece K:
Qty: 5



Piece L:
Qty: 2



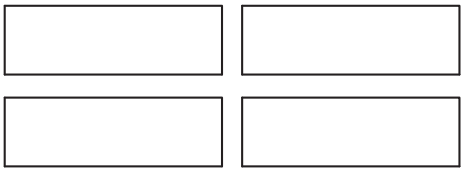




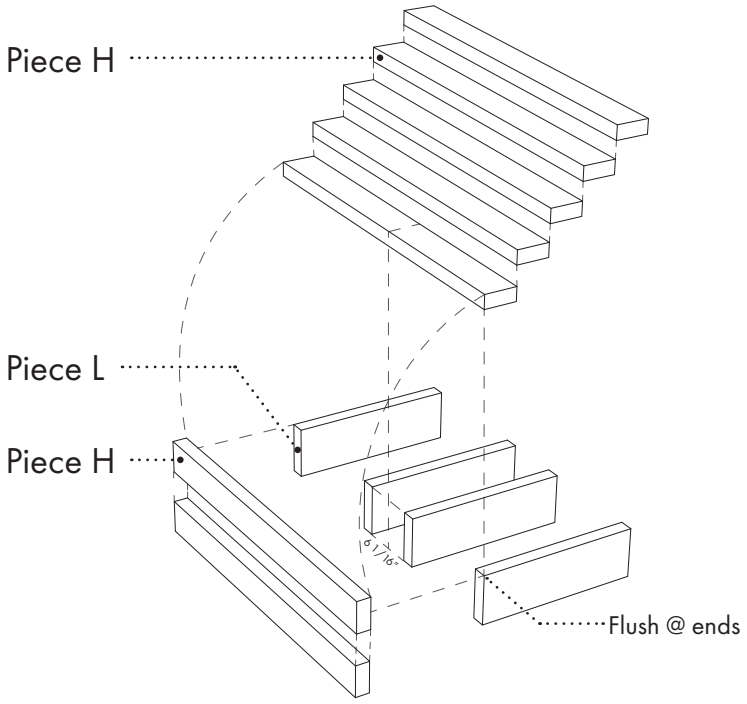
ASSEMBLY BLOCK B

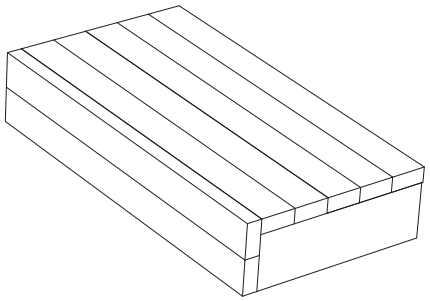
Use: Table
Count: 1

Piece E:
Qty: 4



Piece H:
Qty: 7



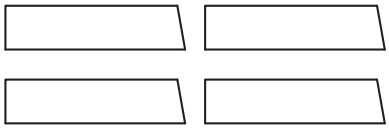


ASSEMBLY BLOCK C

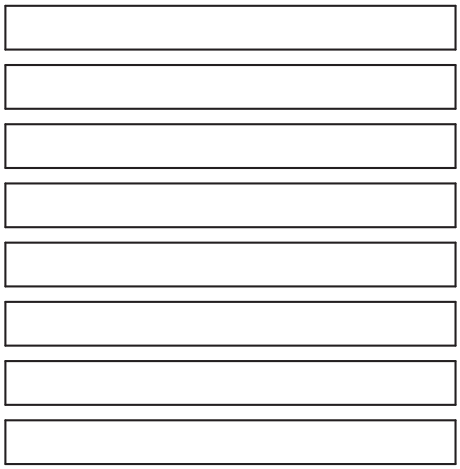
Use: Back + seat
Count: 1

Piece F:
Qty: 2

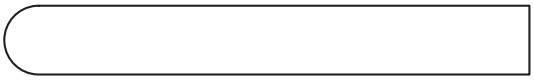
Piece G:
Qty: 4



Piece H:
Qty: 8

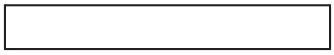


Piece I:
Qty: 1

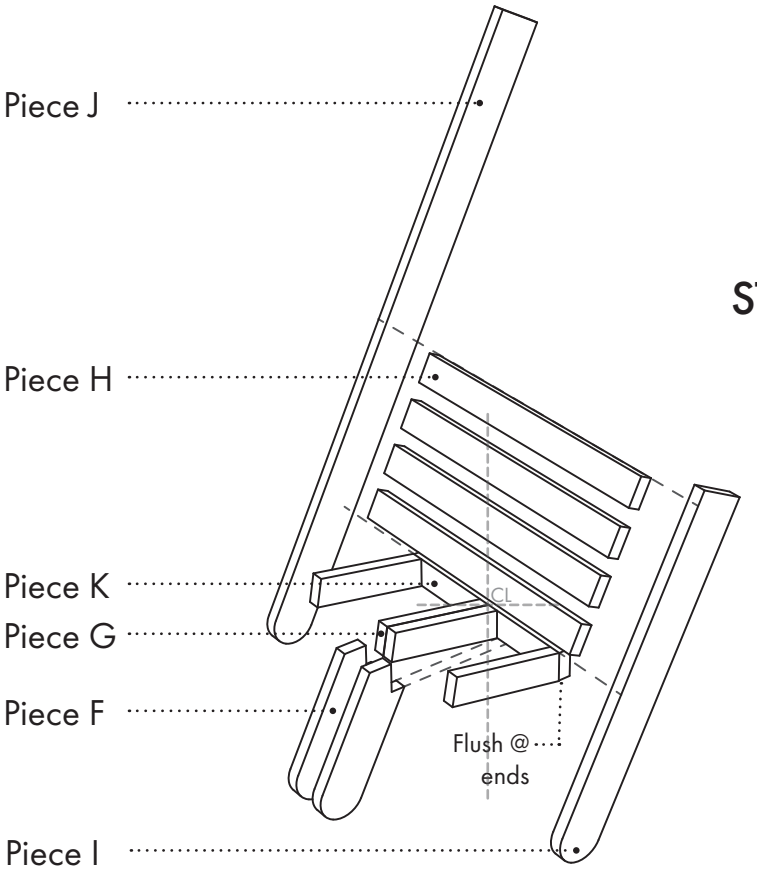


Piece J:
Qty: 1

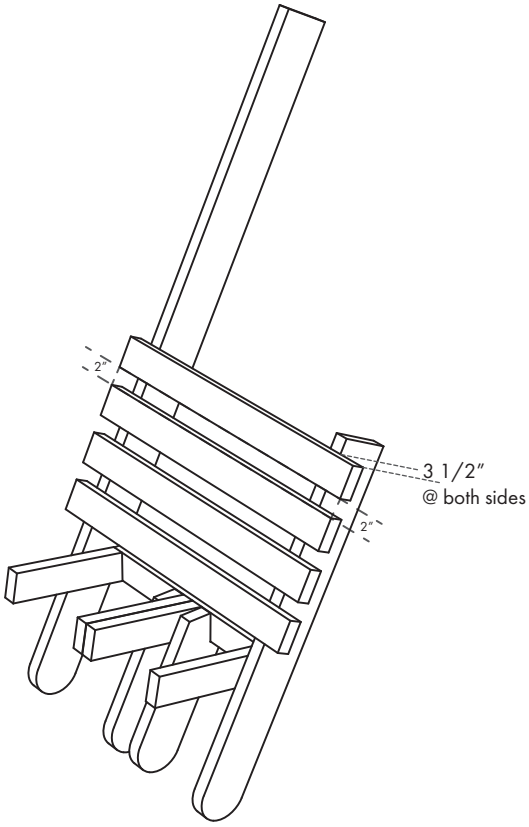
Piece K:
Qty: 1

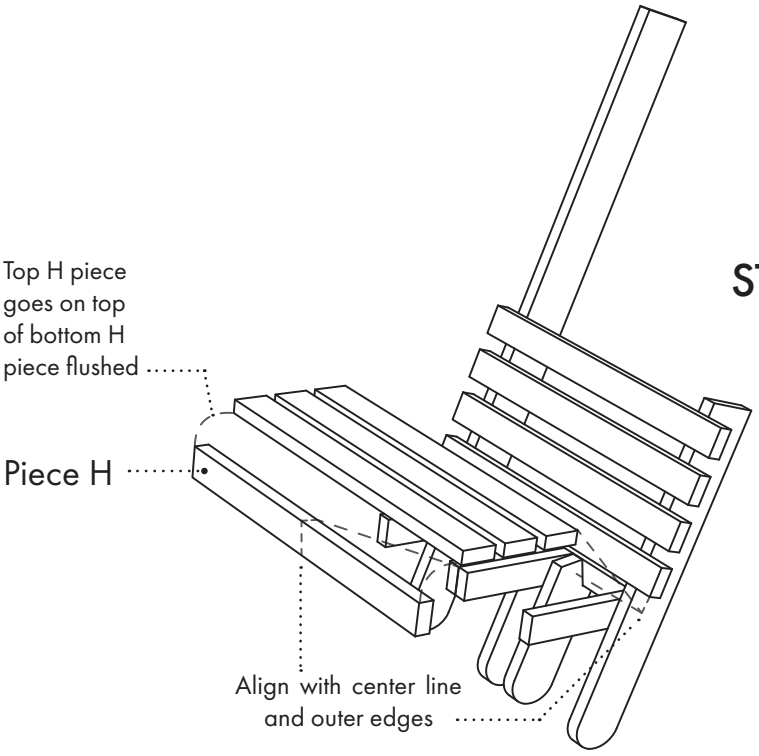


ASSEMBLY BLOCK C

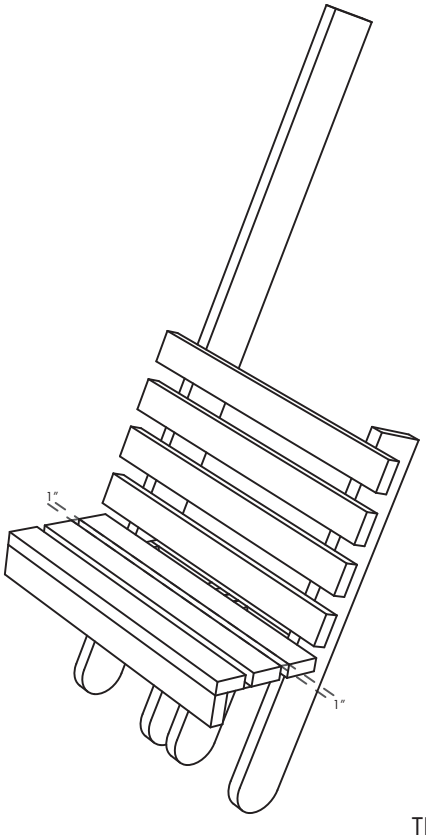


STEP 1





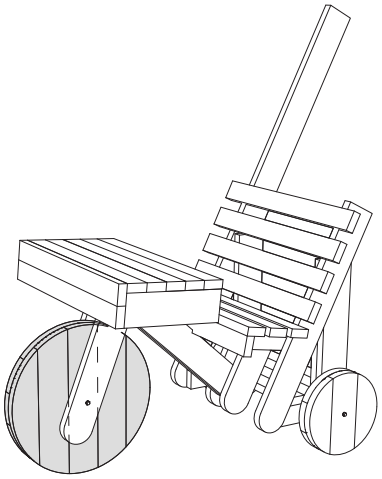
STEP 2

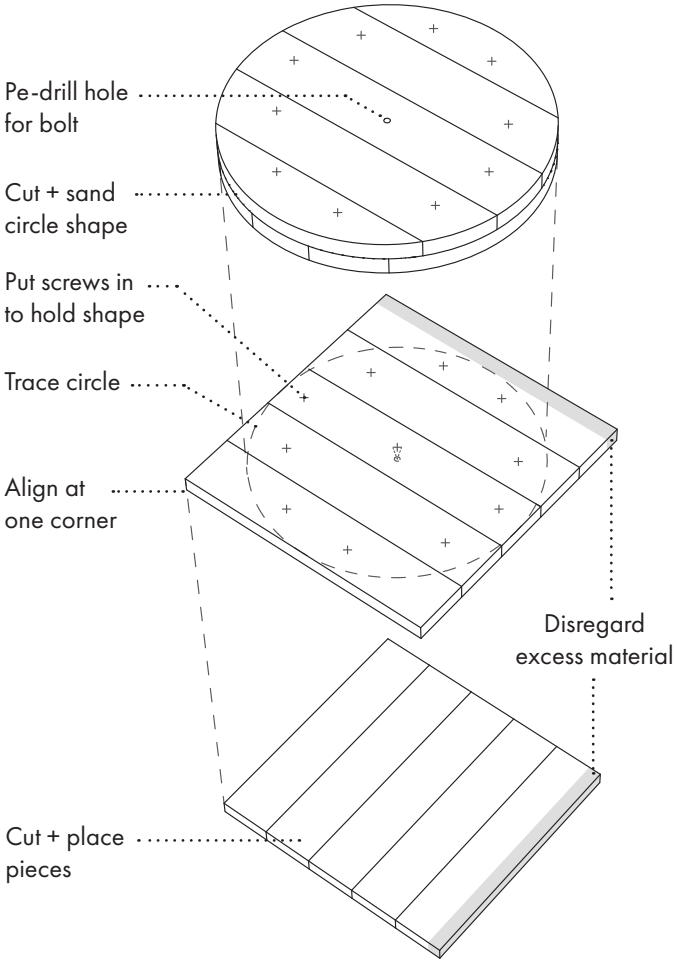


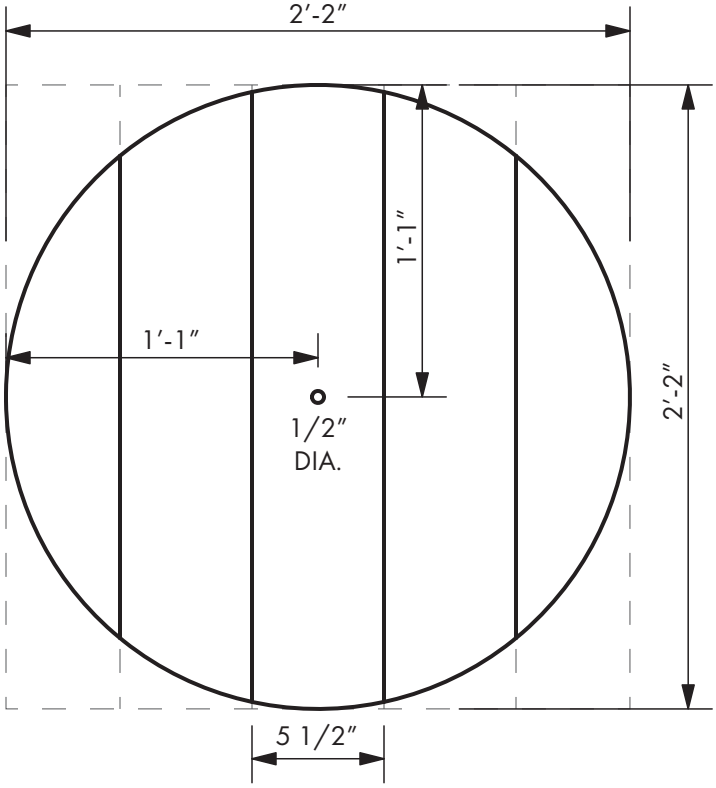
PIECE: A

Use: Front wheel
Count: 1
Materials + Directions:
2x6 pressure treated lumber

1. Cut 10 pieces of 26″ in length each
2. Place (5) pieces vertically and then place the other (5) horizontally on top of the first pieces. (Square at one corner and disregard excess).
3. Screw down all the top pieces to the ones below in a circular manner and place one on the very center but don't screw it all the way in.
4. With a pencil, draw a 26″ circumference from the center screw (you can use a string to help trace)
5. Unscrew the center screw
6. Trim the excess wood to get the wheel shape
7. Sand and router edges
8. Pre-drill a 1/2″ hole at the center of the wheel (where the screw was) to prepare for the bolt
9. Paint finish pieces white





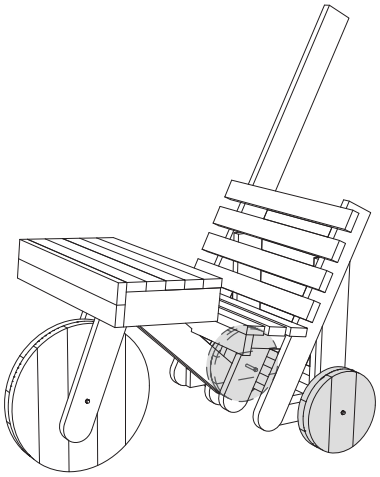


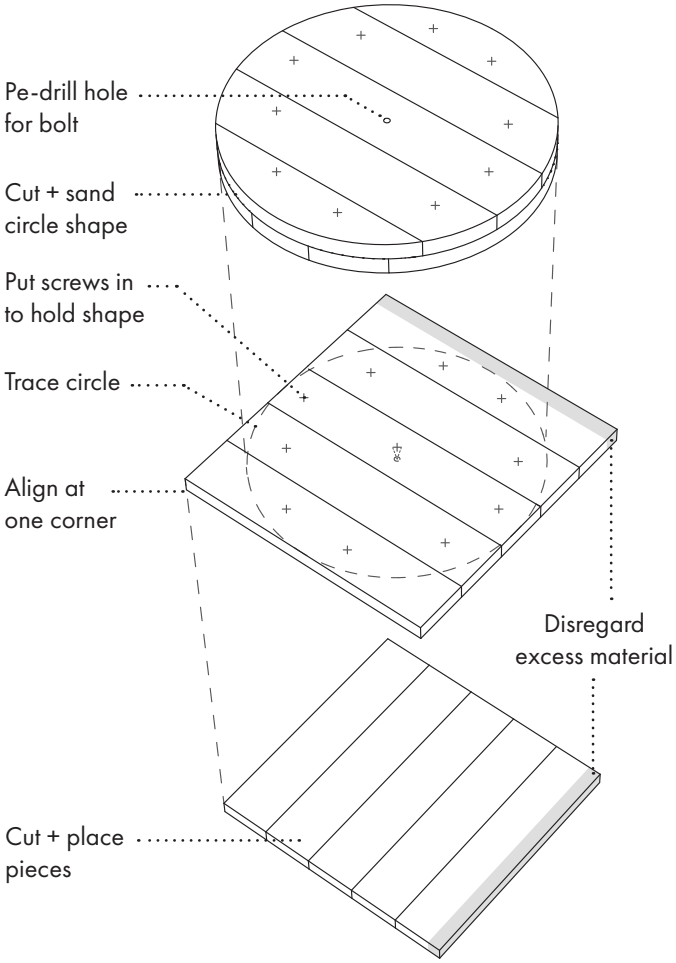
NOT TO SCALE

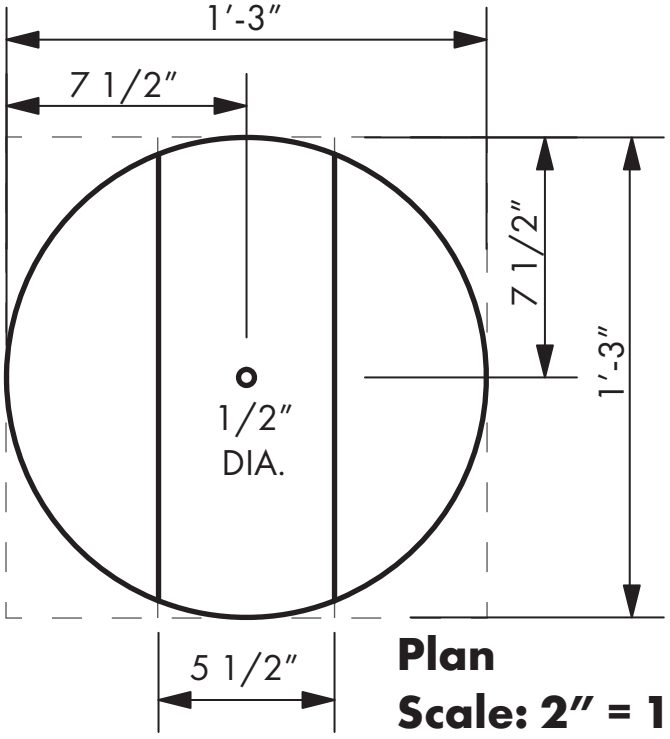
PIECE: B

Use: Back wheels
Count: 2
Materials + Directions:
2x6 pressure treated lumber

1. Cut 6 pieces of 15″ in length each [12 in total]
2. Place (3) pieces vertically and then place the other (3) horizontally on top of the first pieces. (Square at one corner and disregard excess).
3. Screw down all the top pieces to the ones below in a circular manner and place one on the very center but don't screw it all the way in.
4. With a pencil, draw a 15″ circumference from the center screw (you can use a string to help trace)
5. Unscrew the center screw
6. Trim the excess wood to get the wheel shape
7. Sand and router edges
8. Pre-drill a 1/2″ hole at the center of the wheel (where the screw was) to prepare for the bolt
9. Paint finish pieces white
10. Repeat one more time for the second wheel



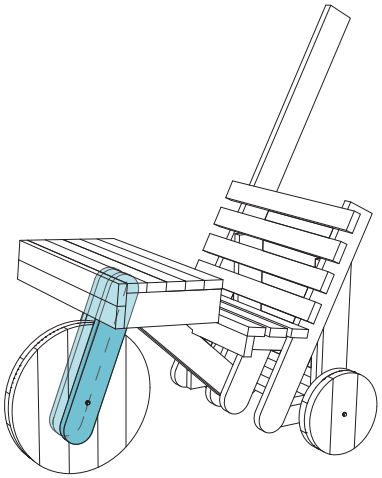




Plan
Scale: 2″ = 1′

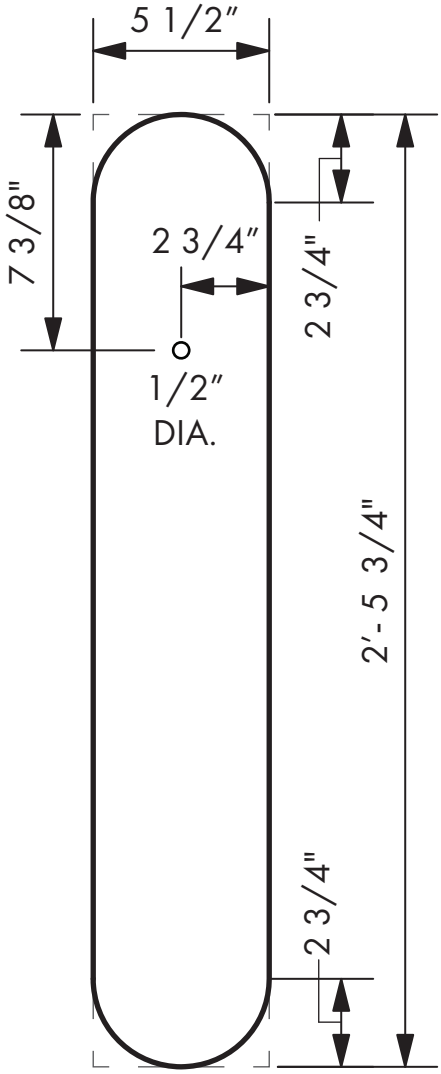
NOT TO SCALE

PIECE: C



Use: Front wheel support
Count: 2
Materials + Directions:
2x6 pressure treated lumber

1. Cut 2 identical pieces
2. Round ends
3. Pre-drill 1/2″ hole for bolt
4. Router edges
5. Paint finish pieces blue
6. See assembly Step “2” for exact spacing and location

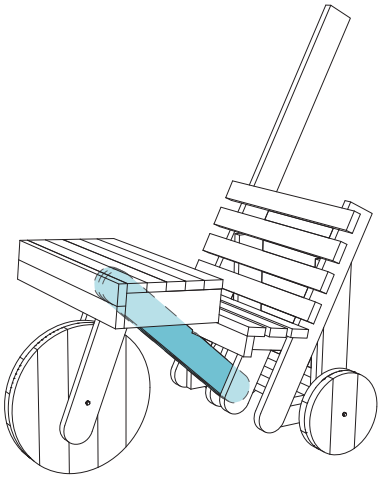


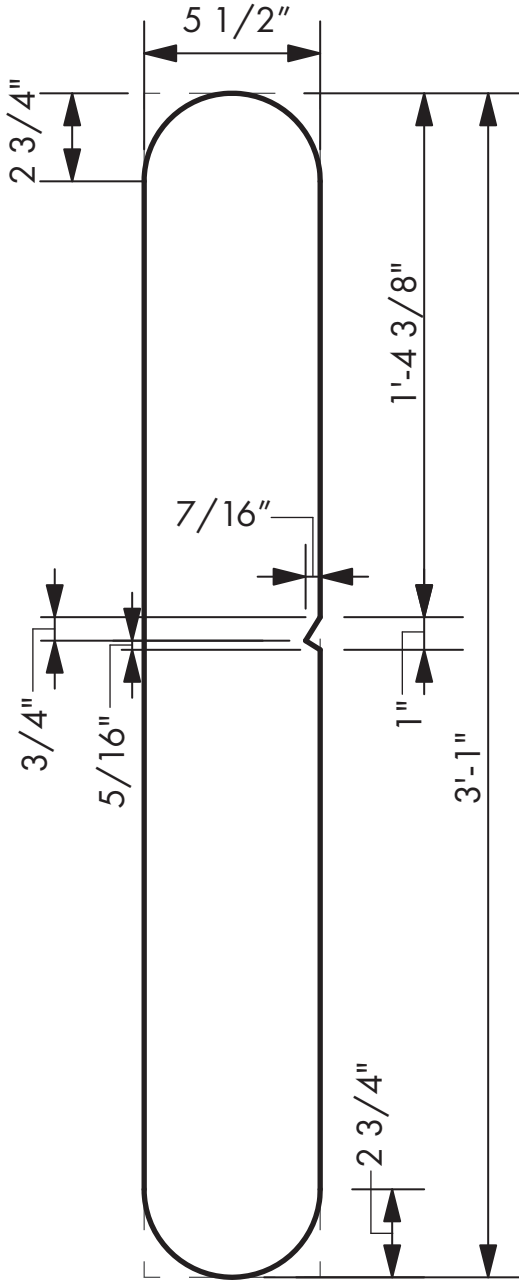
Plan
Scale: 2″ = 1′

PIECE: D

Use: Table, front and seat connection support
Count: 2
Materials + Directions:
2x6 pressure treated lumber

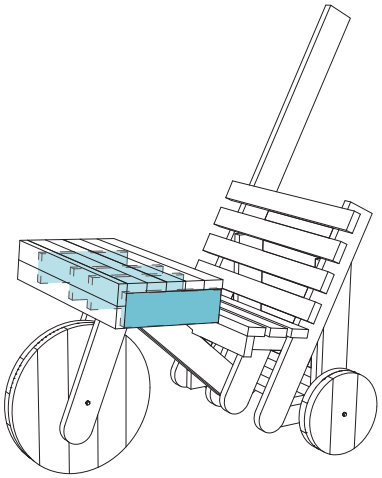
1. Cut 2 identical pieces
2. Round ends
3. Cut angles (bird mouth) for Piece H to fit in at seat height
4. Router edges
5. Paint finish pieces blue
6. See assembly Steps "1" and "2" for location





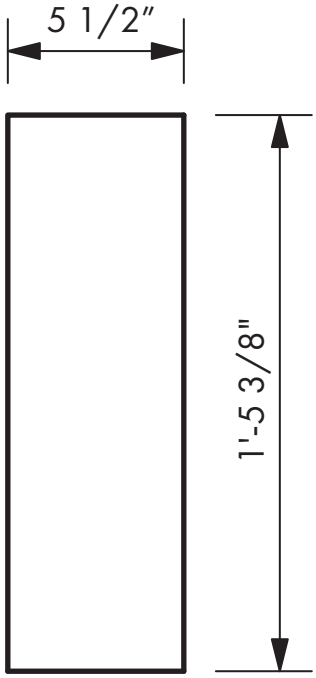
Plan
Scale: 2" = 1'

PIECE: E



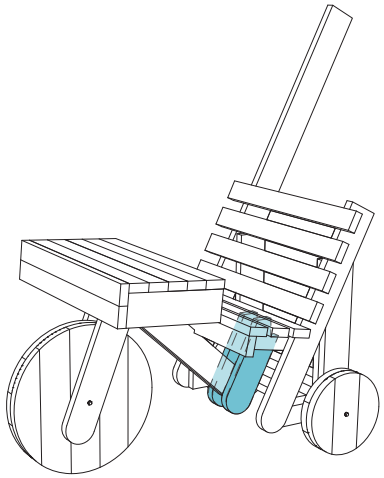
Use: Table supports
Count: 4
Materials + Directions:
2x6 pressure treated lumber

1. Cut 4 identical pieces
2. Router edges
3. Paint finish pieces blue
4. See assembly Block “B” and Step “2” for exact spacing and location



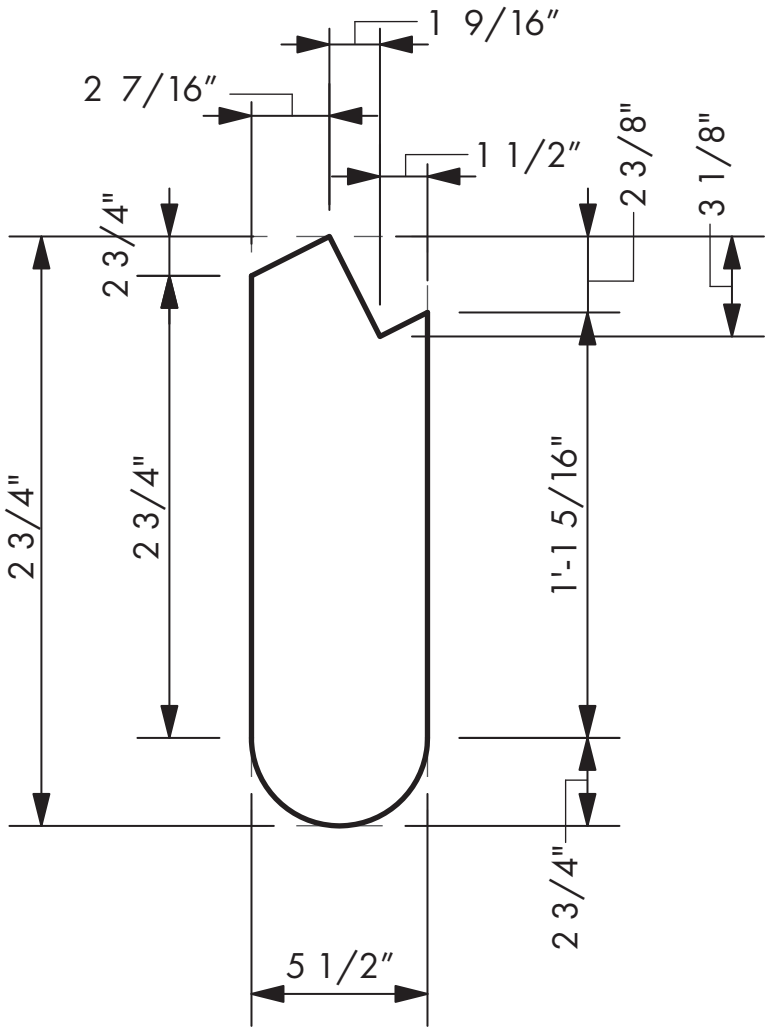
Plan
Scale: 2″ = 1′

PIECE: F



Use: Seat middle support
Count: 2
Materials + Directions:
2x6 pressure treated lumber

1. Cut 2 identical pieces
2. Cut angles (bird mouths) for Piece K to fit in
3. Round one end
4. Paint finish pieces blue
5. See assembly Block "C" and Step "1" for exact spacing and location

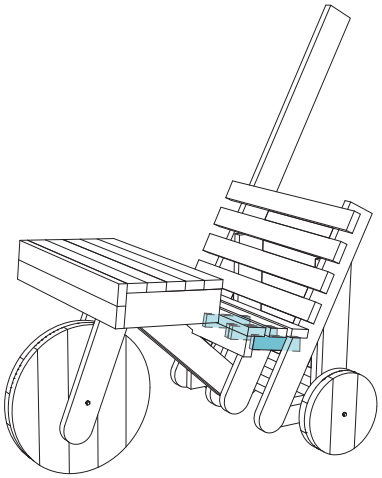


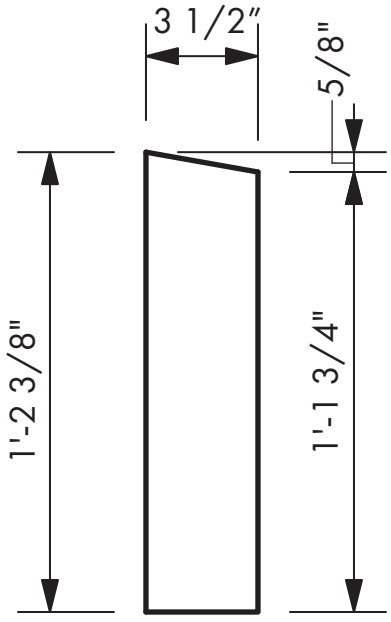
Plan
Scale: 2" = 1'

PIECE: G

Use: Seat supports
Count: 4
Materials + Directions:
2x4 pressure treated lumber

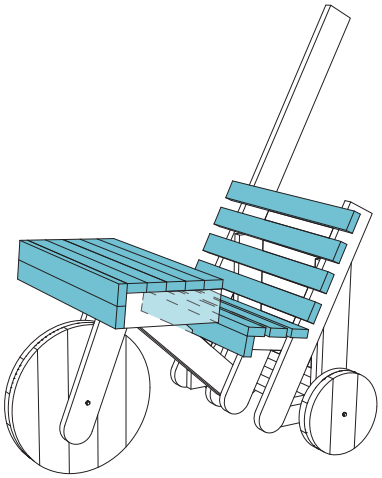
1. Cut 4 identical pieces
2. Paint finish pieces blue
3. See assembly Block “C” for exact spacing, angle and location





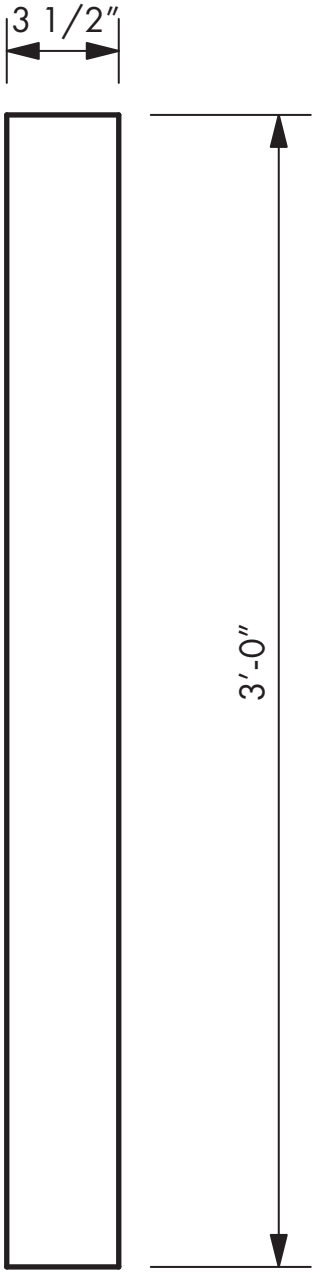
Plan
Scale: 2″ = 1′

PIECE: H



Use: Table, seat and back seat
Count: 15
Materials + Directions:
2x4 pressure treated lumber

1. Cut 15 identical pieces
2. Paint finish pieces blue
3. Router edges
4. See assembly Block “B”, Block “C”, Step “1” and Step “2” for exact spacing and location

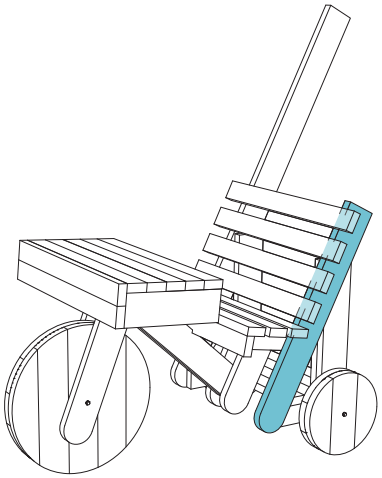


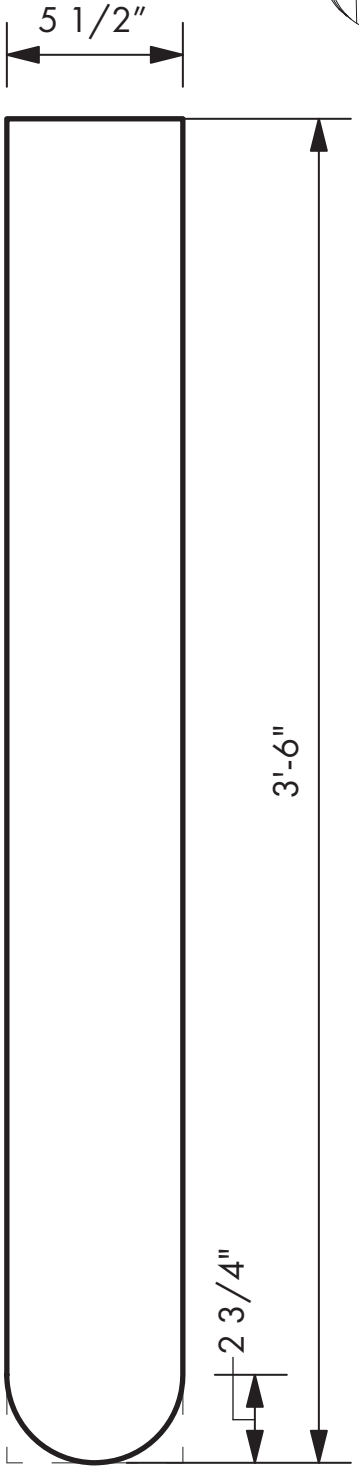
Plan
Scale: 2” = 1’

PIECE: 1

Use: Side Support
Count: 1
Materials + Directions:
2x6 pressure treated lumber

1. Cut 1 piece to the dimensions below
2. Round one end
3. Router edges
4. Paint finish piece blue
5. See assembly Block "C" and Step "1" for exact spacing, angle and location



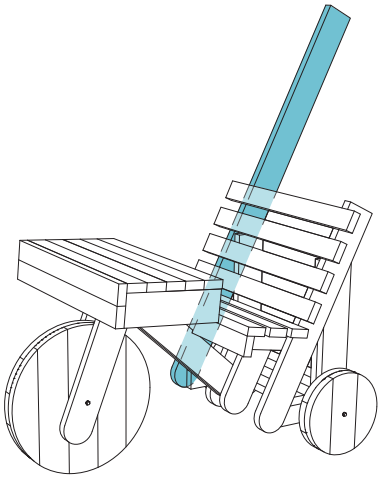


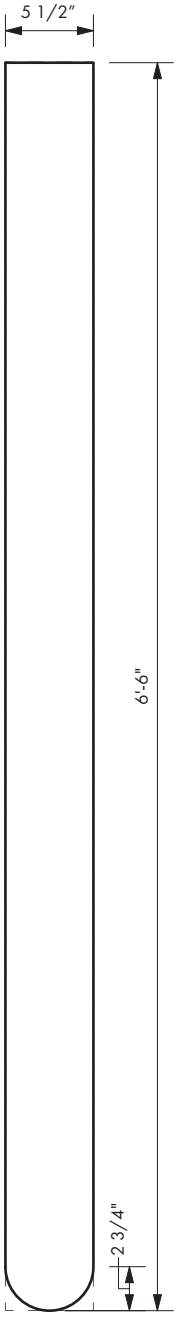
Plan
Scale: 2" = 1'

PIECE: J

Use: Flag side support
Count: 1
Materials + Directions:
2x6 pressure treated lumber

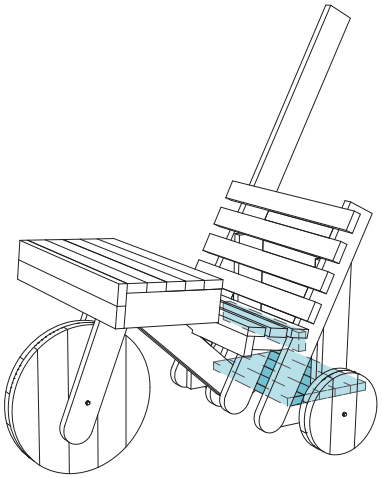
1. Cut 1 piece to the dimensions below
2. Round one end
3. Router edges
4. Paint finish piece blue
5.See assembly Block “C” and Step “1” for exact spacing, angle and location





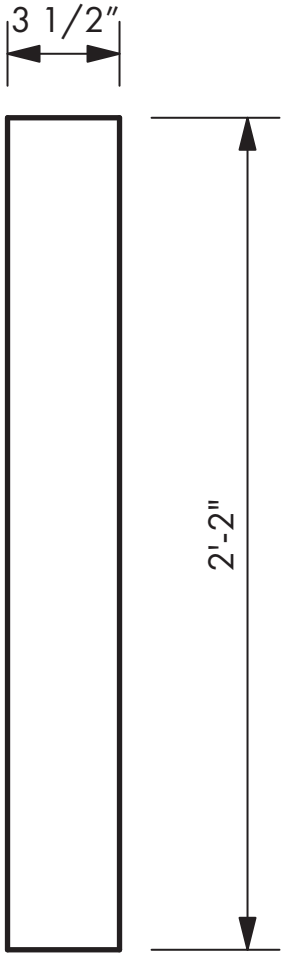
Plan
Scale: 4” = 1’

PIECE: K



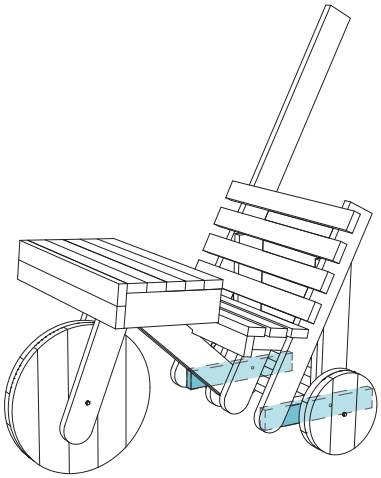
Use: Shorter back seat support connector + back stand pieces
Count: 6
Materials + Directions:
2x4 pressure treated lumber

1. Cut 6 identical pieces
2. Router edges
3. Paint finish piece blue
4. See assembly Block “A”, Block “C”, and Step “1” for exact spacing, angle and location



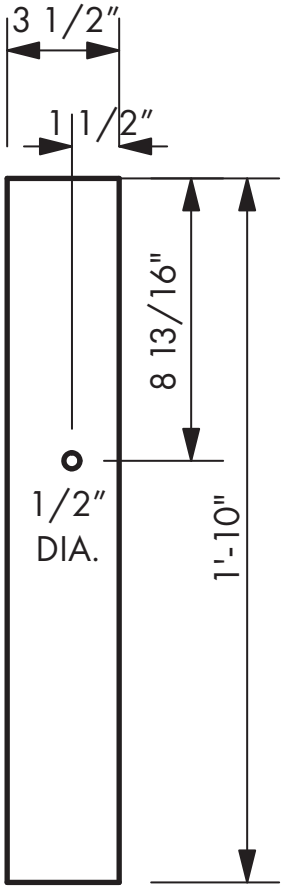
Plan
Scale: 2” = 1’

PIECE: L



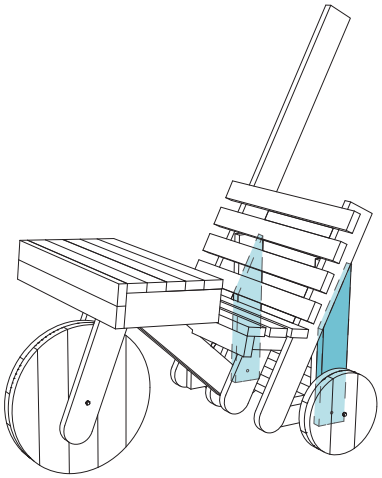
Use: Back stand structure
Count: 2
Materials + Directions:
2x64pressure treated lumber

1. Cut 2 identical pieces
2. Pre-drill hole for bolt
3. Paint finish piece blue
4. See assembly Block “A”, Step “1” and Step “3” for exact spacing and location



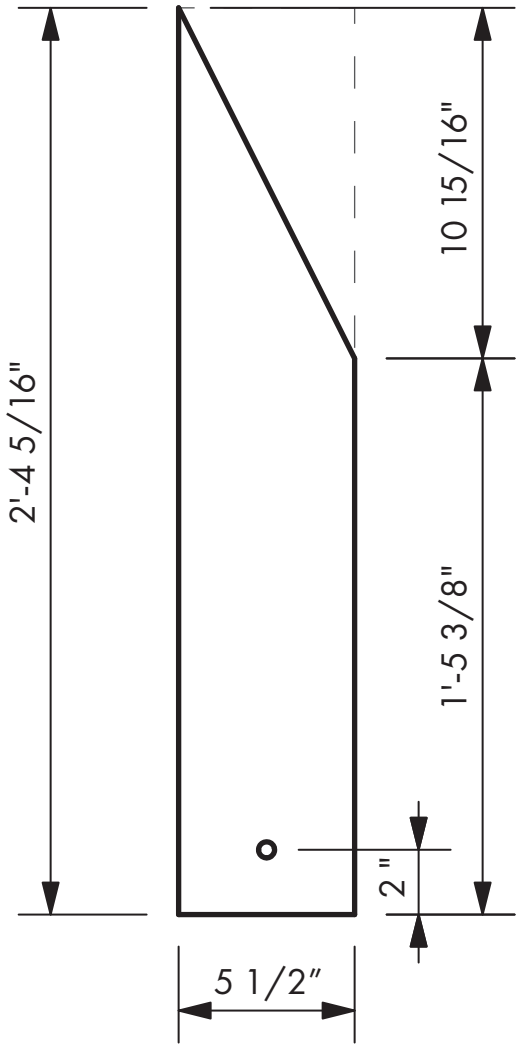
Plan
Scale: 2″ = 1′

PIECE: M



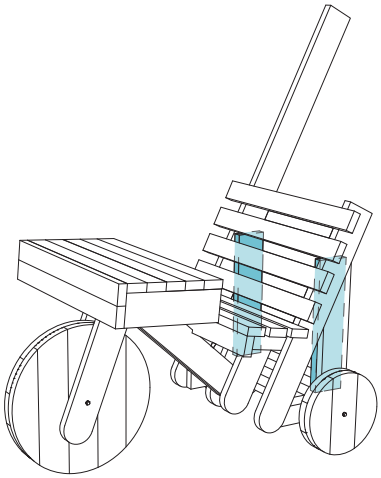
Use: Back seat support piece to wheel
Count: 2
Materials + Directions:
2x6 pressure treated lumber

1. Cut 2 identical pieces
2. Pre-drill hole for bolt
3. Router edges
4. Paint finish pieces blue
5. See assembly Step "1" and Step "3" for exact angle and location



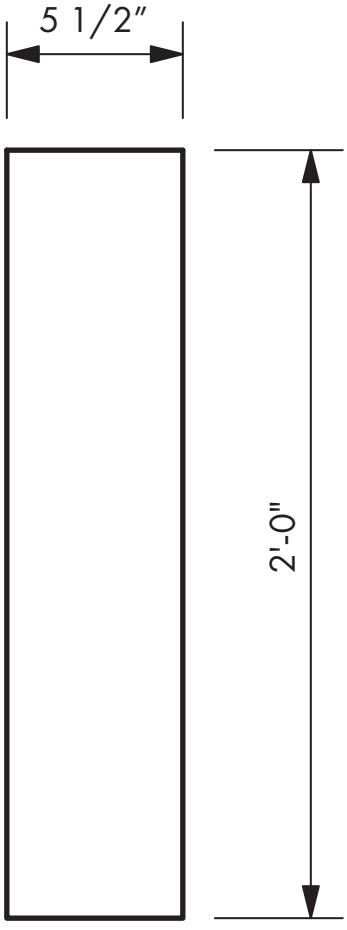
Plan
Scale: 2" = 1'

PIECE: N



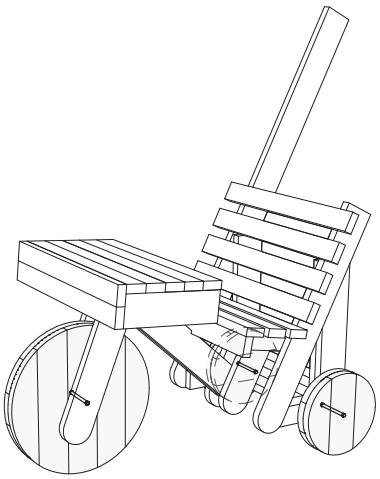
Use: Back seat support piece to back stand
Count: 2
Materials + Directions:
2x6 pressure treated lumber

1. Cut 2 identical pieces
2. Router edges
3. Paint finish pieces blue
4. See assembly Step "1" and Step "3" for exact location



Plan
Scale: 2" = 1'

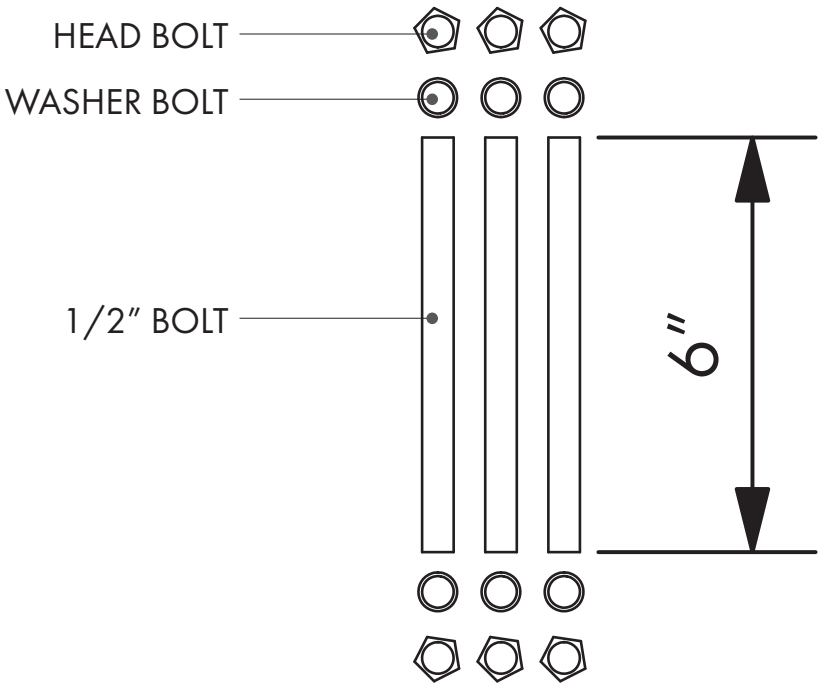
PIECE: O



Use: Connectors
Count: 3 PACKS
Materials + Directions:
(3) 1/2″ dia. bolts
(6) washers
(6) bolt heads

(1) bolt PACK includes:
- [1] 6″L and 1/2″ dia. bolt
- [2] washers
- [2] bolt heads

1. Place bolts through pre-drilled holes with washers and then tightened up the bolt heads to were the wheel can move but the bolt is set on place.
2. Place (1) bolt group on each pre-drilled hole per wheel (PIECES A+B) and back support (PIECE L).



1/2″ DIA.

NOT TO SCALE

CLEMSON
SCHOOL OF ARCHITECTURE

STUDIO ARCH 3510/8520 Community + Build
PROFESSOR Dan Harding
YEAR Spring 2018
STUDENT Elisa Sowell