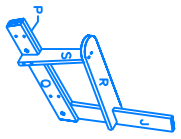


NOTE: Read all directions before beginning.
Carpenter's glue should be used to reinforce all joints.
Countersink all screw holes.

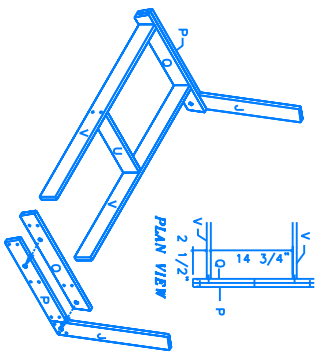
SWING ASSEMBLY

- 1) Lay your material out on the workbench, or on saw horses, and outlined in the swing cutting diagram. Draw all joints exactly as illustrated, including the letter designations in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all measurements to ensure they are correct. All angles in this project are identical (80 degrees). After carefully measuring your first angle cut, this cut piece can be used as a template for all other angle cuts. As you begin to cut your pieces, always cut on the waste side of your mark. The notches can be cut with either a jigsaw or a hand saw and chisel. If you cut the notch with a hand saw, cut to the base line and then separate the notch with a chisel. Check the notch with a scrap piece of 2x4 to ensure a snug fit. (Fig.6)
- 2) (Fig.7) describes the layout of the component pieces of the backrest and seat support. Pre-drill and countersink Q with four 1/8" holes as shown, then predrill pieces V with 1/16" holes, ensuring they line up with the previously drilled holes so that pieces V will be flush with or lower than the top edge of piece Q. Ensure that the 1/16" hole is 3/4" deep. Screw Q to pieces V with four #8 2 1/2" flathead screws. Insert piece U in the center of the pieces V and predrill as previously described with four 1/8" and 1/16" holes. Screw to pieces V with four #8 2 1/2" flathead screws. Repeat previously outlined procedure to attach the other piece Q to the pieces V.
- 3) Predrill Q with ten 1/8" holes as shown (Fig.8). Screw to pieces J and P with ten #8 1 1/4" flathead screws. Repeat for the other side. Drill holes for chain support bolts with 5/16" drill bit. Insert 2" threaded eye bolts with the eye towards the outside of the seat. (Fig.9). First hole 7" from front of swing. Cut off any extra thread on eye bolt.
- 4) Layout where seat slats will be screwed to the seat support. The seat slats are 3 1/2" wide and are spaced 3/4" apart (the sure material is 3 1/2" wide and slightly smaller). Slots should be positioned 1/2" from the ends of the seat support. Slots should be positioned R and/or S. The distance between the slots in order to attach on the inside of the seat support. Fasten armrest and arm support to the seat support by drilling four 1/8" holes, and countersinking, as shown. (Fig.9). Note that the arm support overlaps on the inside of the chair. Use four #8 3" flathead screws to fasten armrest and arm to seat support. Next, chamfer piece S on a 10 degree angle, where arm and armrest rest. Fasten arm to armrest by drilling two 1/8" holes through both R and S where they meet, countersinking holes in R, and screwing two #8 2" flathead screws in armrest. (17 3/8" from the rear of the armrest).
- 5) Drill and countersink two 1/8" holes in the ends of the seat slats (T) as shown (Fig.10). Using a C-clamp, or 1 1/4" nail, position seat slats on seat support. Drilling through the existing holes in the slats, drill into the seat support with a 1/16" drill bit approx. 3/4" into the seat support. This will prevent splitting of the seat support when screws are inserted. Fasten slats to seat support using forty #6 1 1/2" screws.

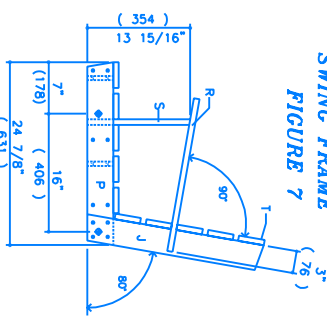
- TOOLS**
- Table Saw and Jigsaw
 - Pencil and Measuring Tape
 - Power or Hand Drill
 - 1/16", 1/8", 3/16" drill bits
 - Sommer and Schroders
 - Square and Hand Saw
 - Hookset and Adjustable Wrench
 - C-Clamps and Protractor



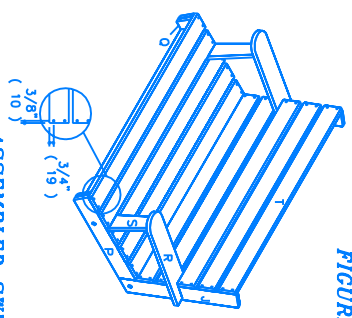
FRAME / HANDRAIL ASSEMBLY
FIGURE 9



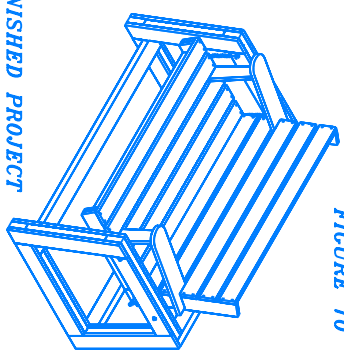
SWING FRAME
FIGURE 7



SWING (SIDE VIEW)
FIGURE 8

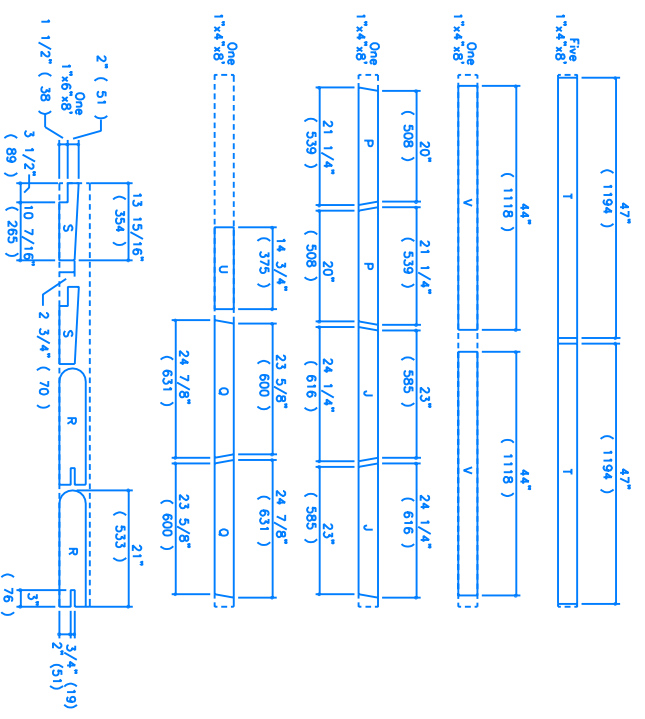


ASSEMBLED SWING
FIGURE 10

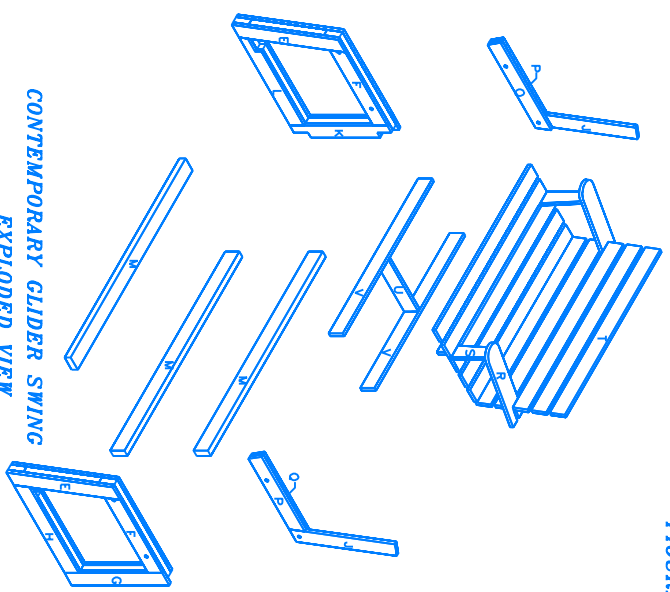


FINISHED PROJECT
FIGURE 11

GLIDER SWING



CUTTING DIAGRAM: SWING
FIGURE 6



CONTEMPORARY GLIDER SWING
EXPLODED VIEW