Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_

Storage Chest Plan of Procedure #5

Front and Back Panel Construction

1. Get a board from the wood storage room. Be sure to get the type of wood you are planning on using for the panels.
2. Use the Radial Arm Saw or Miter Saw to trim off any cracks.
3. Cut several lengths each 20” long using the Radial Arm Saw or Miter Saw. You will need a panel that is at least 20” wide and 20” long when you place your boards edge to edge.
4. Use the Jointer to Joint both edges flat on all your boards.
5. Glue the boards together using three STEEL BAR CLAMPS. Remember to have the best looking faces up and alternate your clamps on top and bottom. Use the Clamp table when gluing. Write your name on your board and let dry for at least 30 min.
6. After the glue has dried use a GLUE SCRAPER to remove any excess glue.
7. Use the PLANER to plane your board down to 13/16”.
8. Use the Jointer to joint one edge of your panel flat.
9. Use the TABLE SAW to rip your board to a width of 18 3/8” wide. Be sure to keep the jointed edge tight against the fence.
10. Use the PANEL SAW to trim one END of your board flat by cutting off about ¼” off one end. Be sure to hold or clamp your board tight against the fence.
11. Use the TABLE SAW to cross cut your board into TWO boards each 8 ½” long. Set the fence to 8 ½” and have the END you just cut on the Panel Saw go against the fence.
12. If your are going to carve a design into your panel, then you must do this now before going on to the next step. Ask the teacher for help with this. You do not have to carve a design into your board if you don’t want to.
13. Mark an “X” on the best face of each board.
14. Use the “Panel Cutter” Shaper to shape the “raised panel” design all the way around each board. Do the END GRAIN FIRST. Be sure that the face with the “X” is down. Use the Power Feeder when using the Panel Cutter. Keep the board tight against the fence.
15. Dry assemble your two Front and Back Panels with the Rails, Stiles, and Panels.
16. If everything fits, then you can glue your panels together.
17. Glue the Panels together by ONLY PUTTING GLUE ON THE ENDS OF THE RAILS. This will allow the panel to “float” which allows for expansion and contraction of the panel.
18. Use two STEEL BAR CLAMPS to clamp the joints tight. Allow to dry for at least 30 minutes.
19. Teacher Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
20. Hand this paper in to the Turn-In folder.