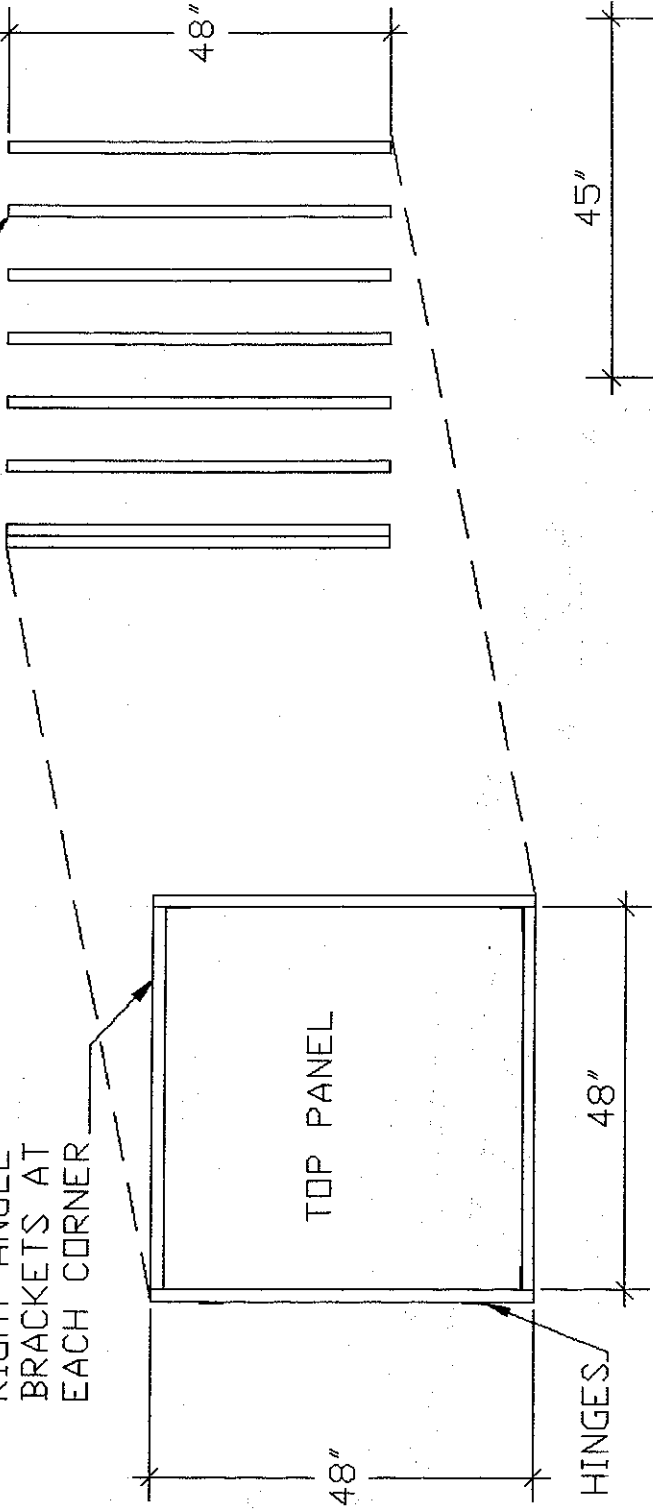


TWO BIN COMPOST SYSTEM
ONLY FRAME SHOWN FOR CLARITY

2x2 FRAME
w/ A33
RIGHT ANGLE
BRACKETS AT
EACH CORNER

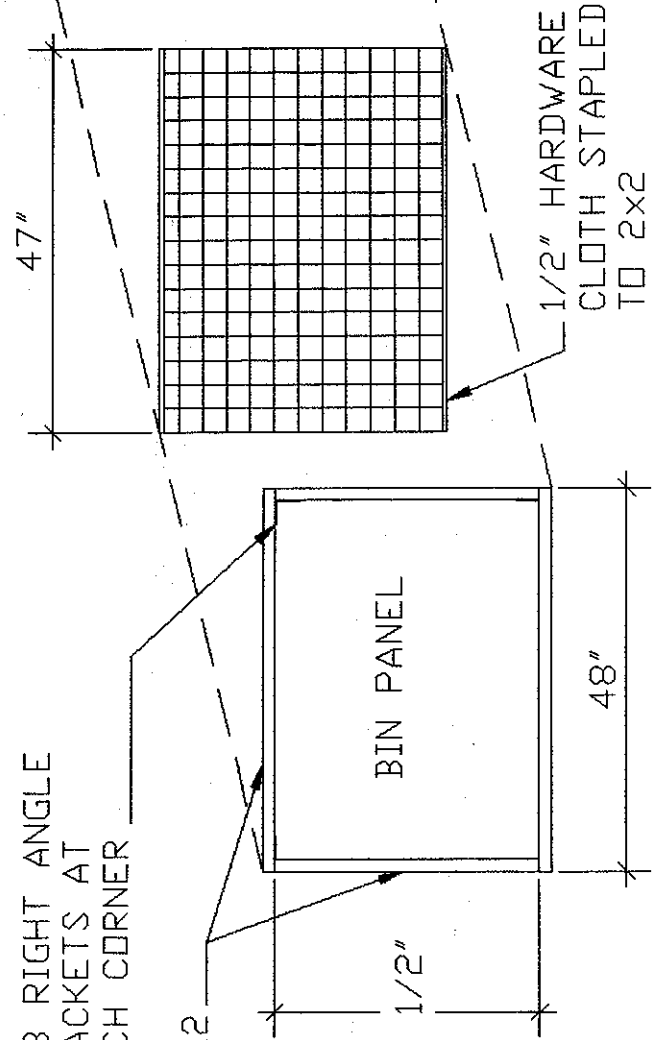
LATH w/ 4D
GALV. NAILS



A33 RIGHT ANGLE
BRACKETS AT
EACH CORNER

2x2

33 1/2"



LATH w/ 4D
GALV. NAILS
@ 8" O.C.

PANEL PLAN

1/2" Ø HOLES
IN EACH CORNER
FOR REBAR STAKE

SIMPSON
RTA2 AT
EACH CORNER

A33 BRACKETS
TYP, DF (4)

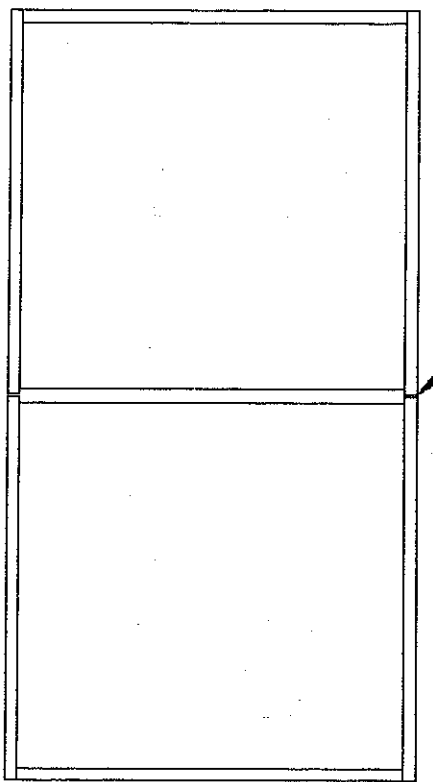
2x4 CEADER

FOUNDATION FRAME PLAN TOP VIEW

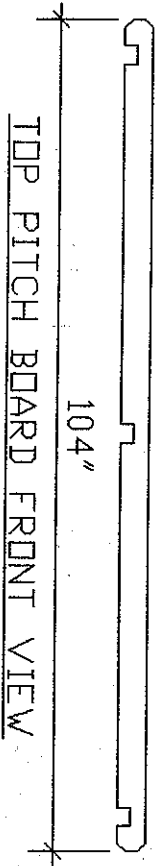
LATH SPACER

93 1/4"

52"

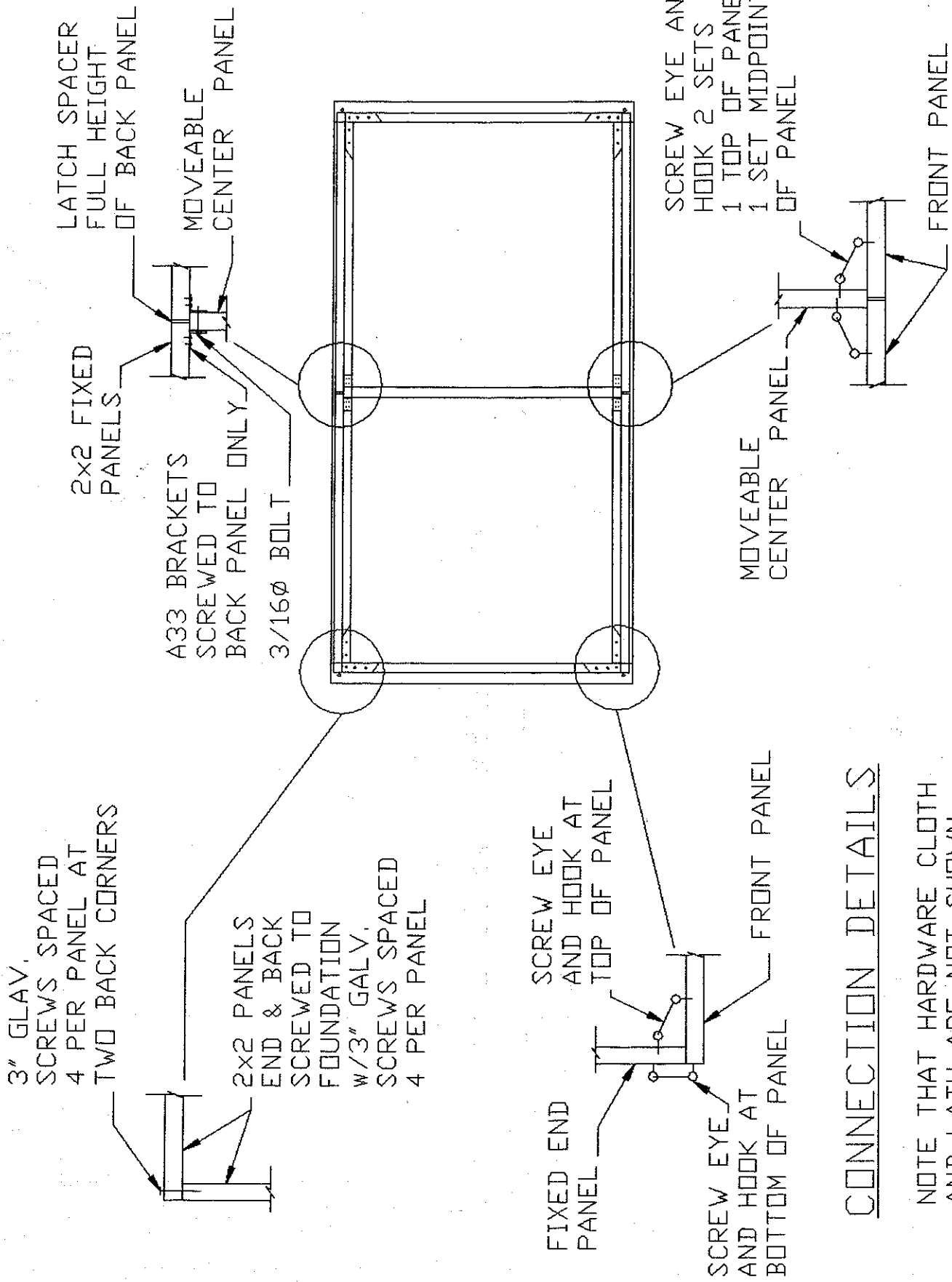


PANEL ARRANGEMENT TOP VIEW



TOP PITCH BOARD FRONT VIEW

104"



CONNECTION DETAILS

NOTE THAT HARDWARE CLOTH AND LATH ARE NOT SHOWN ON THE PANELS AND THAT CORNERS ARE TYPICAL

TWO BIN COMPOST SYSTEM DIRECTIONS

Please read all directions and look over plans before starting.

Foundation see Sheet 3

1. Cut two 52" pieces from the 10' Cedar 2x4.
2. Cut each 8' Cedar 2x4 to 93 1/4"
3. Assemble the foundation frame with the RTA2 connectors using 1" screws.
4. Drill the 1/2" diameter holes for the rebar stakes in the four corners.

Bin Panel see Sheet 2

5. Cut two pieces, one 48" and one 33 1/2", from each of fourteen 8'-2x2.
6. Assemble seven bin panels using the A33 right angle brackets on the inside corners using 1" screws in pre drilled holes.
7. Cut 14 laths to 36"
8. Cut 14 laths to 45"
9. Cut seven pieces of hardware cloth 47"x36"
10. Assemble seven bin panels by stapling hardware cloth to the 2x2 frames with 1/2" staples. Then attach the lath with 4d nails spaced about 8" on center. Pre drill the lath to prevent splitting.

Top Panel see Sheet 2

11. Cut four 8'-2x2s into 4' pieces.
12. Assemble two top panel frames using A33 right angle brackets on inside corners using 1" screws.
13. Pre drill two holes in each end of 16 laths. Nail laths to the top frames with 4d nails at 8" on centers.

System Assembly

14. Position foundation frame in its location in the yard or garden leveling as needed. Drive in the rebar stakes in the pre drilled corner holes to hold the foundation in place.
15. Attach one 36" long lath spacer to the 36" side of one bin panel with two 4d nails in predrilled holes.
16. Set bin panels on foundation frame according to panel arrangement sheet 3. Be sure the panel with the lath spacer from step above is one of the back panels and the spacer is in the center of the back. Have the hardware cloth and lath on the outside of all panels. A helper would be useful from this step on.
17. Assemble the end and back panels using 3" screws in predrilled holes with one screw near the top and bottom ends and the other two screws spaced about equally between them. See sheet 4.
18. Attach the two back panels together with four 3" screws spaced equally in pre drilled holes.

19. Position the three sided bin on the foundation frame so that there is room for the four A33 right angle brackets to attach to the foundation frame as shown on sheet 3 that will support the bottom of the movable center panel.
20. Attach the three sided bin to the foundation frame with four 3" screws in pre drilled holes per panel. Try to make it as square as possible.
21. Attach the four A33 right angle brackets **only** to the foundation frame with 1" screws in pre drilled holes. Leave enough room so that the center panel can easily slide in and out. See sheet 4
22. Attach the two A33 right angle brackets to the top of the back panel with 1" screws in predrilled holes again so that the center panel can move easily. See sheet 4.
23. Slide in the center panel. The last panel with hardware cloth.
24. Drill 1/4" diameter hole through A33 brackets and center panel. Then insert 3/16" bolt.
25. Attach the two front panels using eight screw eyes and hooks as shown on sheet 4.

Top Pitch Board see Sheet 3

26. Cut the 10'-2x4 to 104" and cut off the sharp corners.
27. Lay the top pitch board from the step above on the bin so that it extends about 4" over each end. Mark where the sides and center panels cut out will be. Give about 1/8 extra width on each side of the panels so that the top pitch board can easily be taken on and off. The depth of the cut outs is 1 1/2".
28. Make the cut outs and then position the top pitch board in place on the bins as far to the front as possible.

Top and Support Assembly see Sheet 1

29. Set the two top panels on the bins with the back of the top panels flush with the back panels. Position the hinges 6" in from the out side edges of the top panel. Attach the hinges with 1" screws.
30. Hold one 8'-2x4 on side of bin to determine slant and height of support. The height needs to be high enough so that the rope will support the top half of the hinged top. Mark the slant and the length.
31. Cut the slant and then try it in place. When satisfied with the slant, cut board to length, cut off sharp corners, and drill 3/8" hole for rope. (Angles are not given as your location and how tall you are will determine what will work at your site.)
32. Use the support just made as a pattern for the second support.
33. Attach the supports with two 3" screws in the bottom and top 2x2s of the side bin frame inserting a piece of latch as a shim between the 2x4 support and the bin side.
34. String the 1/4" diameter nylon rope through the holes in the supports and secure the rope by noting or with fence staples.
35. Start filling one side with materials to be composted.

General Notes

- All screws and nails are to be galvanized.
- Hardware numbers are for Simpson products.

- If the system is to be painted, paint all parts after they are cut and before they are assembled.
- It is assumed that there is working room around where the compost bin system will be placed. If not then the system will have to be constructed in an open area and moved to the final site. To do this follow the steps below.
 1. Follow steps 1-13.
 2. In step 14 do not stake foundation frame after leveling. Take the foundation frame back to the work area.
 3. Follow steps 15-34.
 4. With helpers move the system to the final location and stake the corners with the rebar stake.

TWO BIN COMPOST SYSTEM MATERIAL LIST

Qt.	Length	Disc.	Material	Use
1	10'	2x4	Cedar	Foundation
2	8'	2x4	Cedar	Foundation
1	10'	2x4	Fir	Pitch board
2	8'	2x4	Fir	Top support
18	8'	2x2	Fir	Panels
45	4'	1/4"	Lath	Panels
	28' x 3' high	1/2"	Hardware cloth	Panels
4	2'	3/8"	Rebar stakes	Foundation
4	RTA2		Simpson bracket	Foundation
42	A33		Simpson brackets	Panels
8	2"		Screw Eye and Hook	Panels
4	3"		Fixed Pin Hinges	Panels
1	4" x 3/16"		Machine bolt	Panels
1 lbs.	3" x 8		Galvanized deck screws	Panels
2 lbs.	1" x 8		Galvanized deck screws	Panels
1 lbs.	4 D		Galvanized nails	Panels
	1/2"		Staples	Panels
	10'	1/4"	Diameter rope	Top support
4	1/2"		Fence staples (optional)	Top support

TOOL NEEDED

Hammer	Drill w/ 1/2", 3/8", 1/4", 1/8" bits
Saw	Jig or coping saw
Wire cutters	Philip head screw driver
Level	Staple gun w/ 1/2" staples
Pencil	Safety glasses
Gloves for cutting wire	Ear protection if using power saw

