

1" ONE-BT "

ONE 1x8 x 6'

FRONT VENT BOARD:

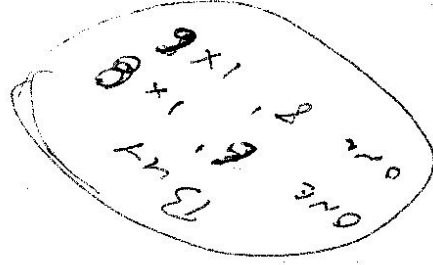


34 1/2"



36"

TOP BOARD



ONE 1x6 x 8'

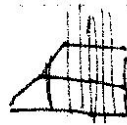
BACK VENT BOARD



34 1/2"



CUT THE REMAINING TO SAME BOARD
TO FILL THE GAP BETWEEN THE
SIDES & THE SIDE SHELF IN MIDDLE -
(OUTER SHELVES TEND TO GO IN CROOKS -
THE BOARD ARE TO PREVENT THAT)



2

Furniture 3/4" x 1 1/2"

(1) BACK BASE: (34 1/2")

(6) SIDE + MIDDLE BOTTOM (#1) SHELF SUPPORTS (26 1/2")

(4) #2 SHELF SUPPORT - SIDES + MIDDLES (23")

(2) VERTICAL STRIPS AT BACK (16")

(4) SUPPORT FOR FRONT + MIDDLE (#2) (15")

(2) PLEXIGLASS SUPPORT FOR SIDES (26 1/2" long dimension)

(2) PLEXIGLASS SUPPORT FOR MIDDLE (25 1/2" long dimension)

(2) shelf #3 supports (22 3/4" long dimension)

(2) shelf #4 side supports (19 1/2" long dimension)

(2) shelf #5 side supports (15 1/2")

(2) shelf #3 MIDDLE supports (21" long dimension)

(2) shelf #4 MIDDLE supports (17 1/2")

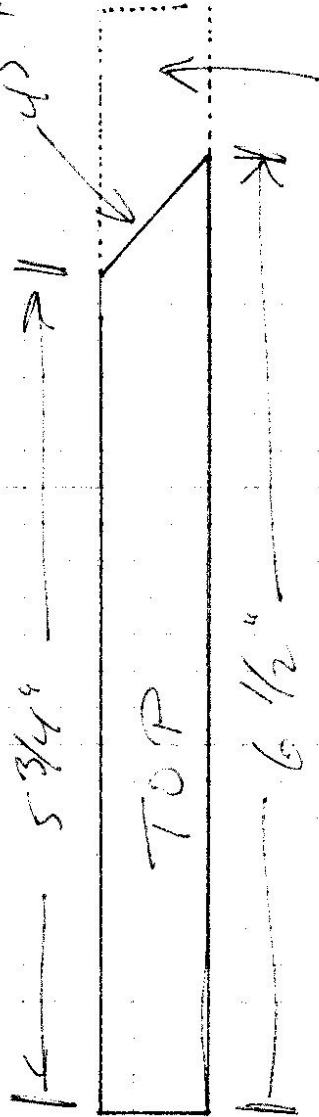
(2) shelf #5 MIDDLE supports (14")

(2) VERTICAL PIECES - USE SCRAM - NEAR FRONT OF SIDES APPROX 5 1/2 - 7 1/2"

Buy 8
Plexiglas
strips

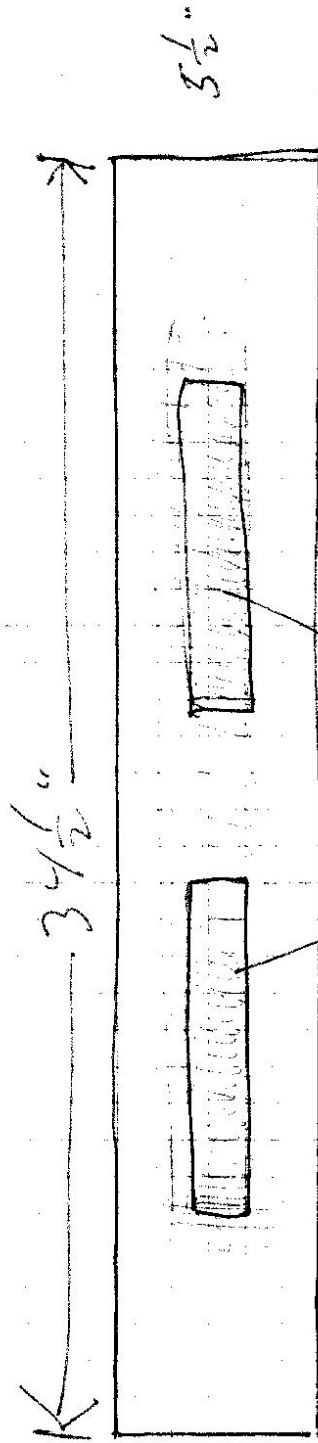
TOP BOARD - LIFE SIZE

MADE FROM "1x8" ($3\frac{1}{4} \times 7\frac{1}{2}$ ") PINE



THIS PIECE IS
SAVED AND
ATTACHED TO
INSIDE OF FRONT
BOARD TO KEEP
SUPPORT PREVIOUS

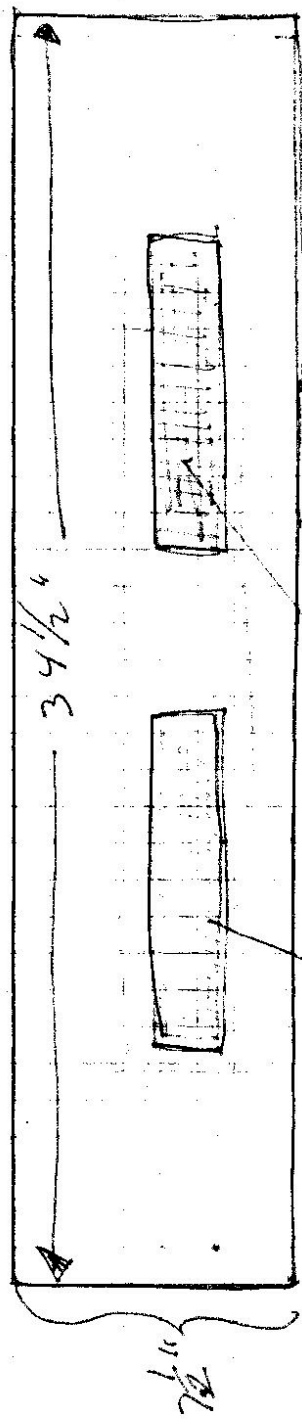
TOP BACK VENT BOARD (MASE FROM 1'x6" - actually 3/4" x 5 1/2")



EXIT VENT MOVES APPROX 1 1/2" x 9"
COVERED WITH 1/8" HARDWARE WITH (5' x 2') STAINED TO OUTSIDE
COVERED WITH ALUMINUM WINDOW SCREEN (5' x 2') STAINED TO INSIDE

(5)

FRONT VENT BOARD (ROE FROM "1.28" - ACTUALLY $3/4" \times 2 1/2"$)

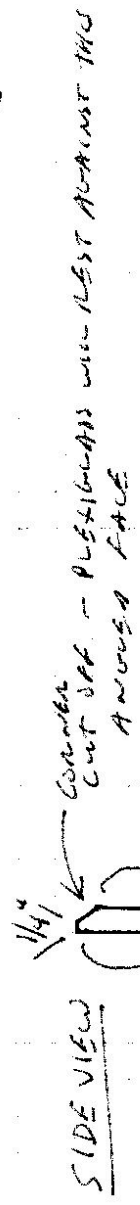


INTAKE VENT HOLES

APPROX $1 1/2" \times 9"$

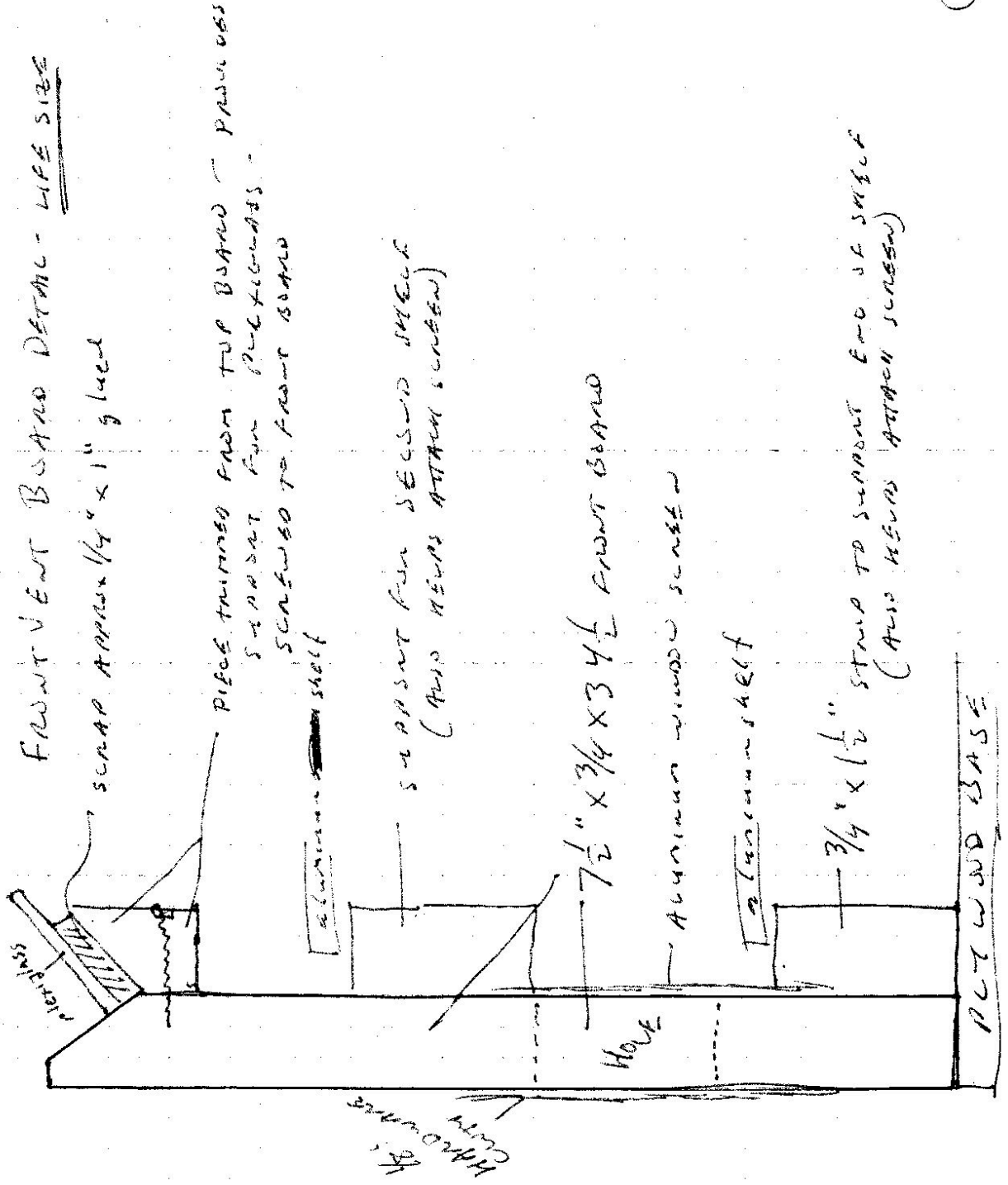
COVERED WITH $1/8"$ HARDWARE CLOTH STRIP ON OUTSIDE ^{STAINED} ($6" \times 2'$)

COVERED WITH ALUMINUM SCREEN ON INSIDE ($6" \times 2'$)



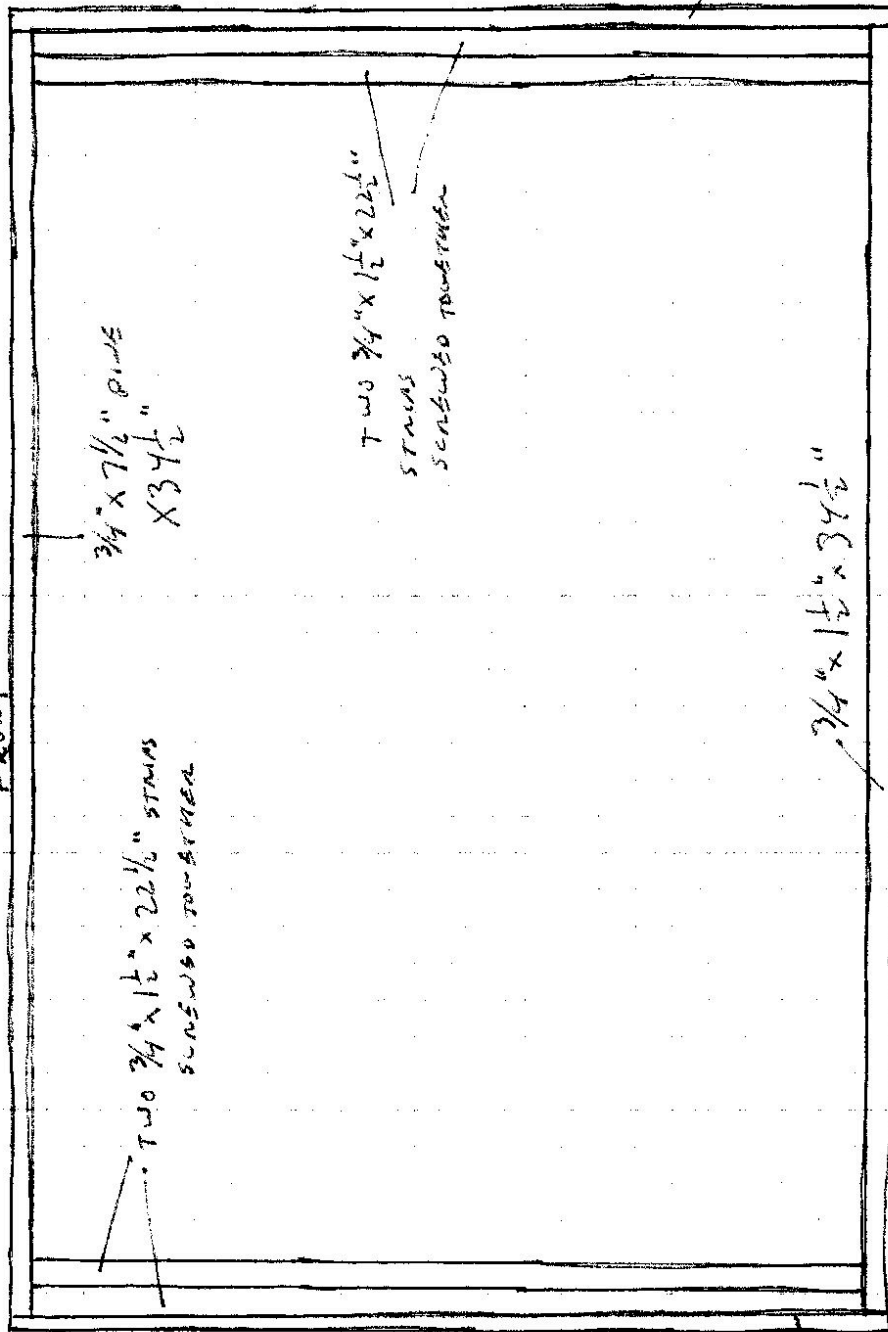
SEE DETAIL

FRONT VENT BOARD DETAIL - LIFE SIZE



BASE (TOP VIEW)

FRONT

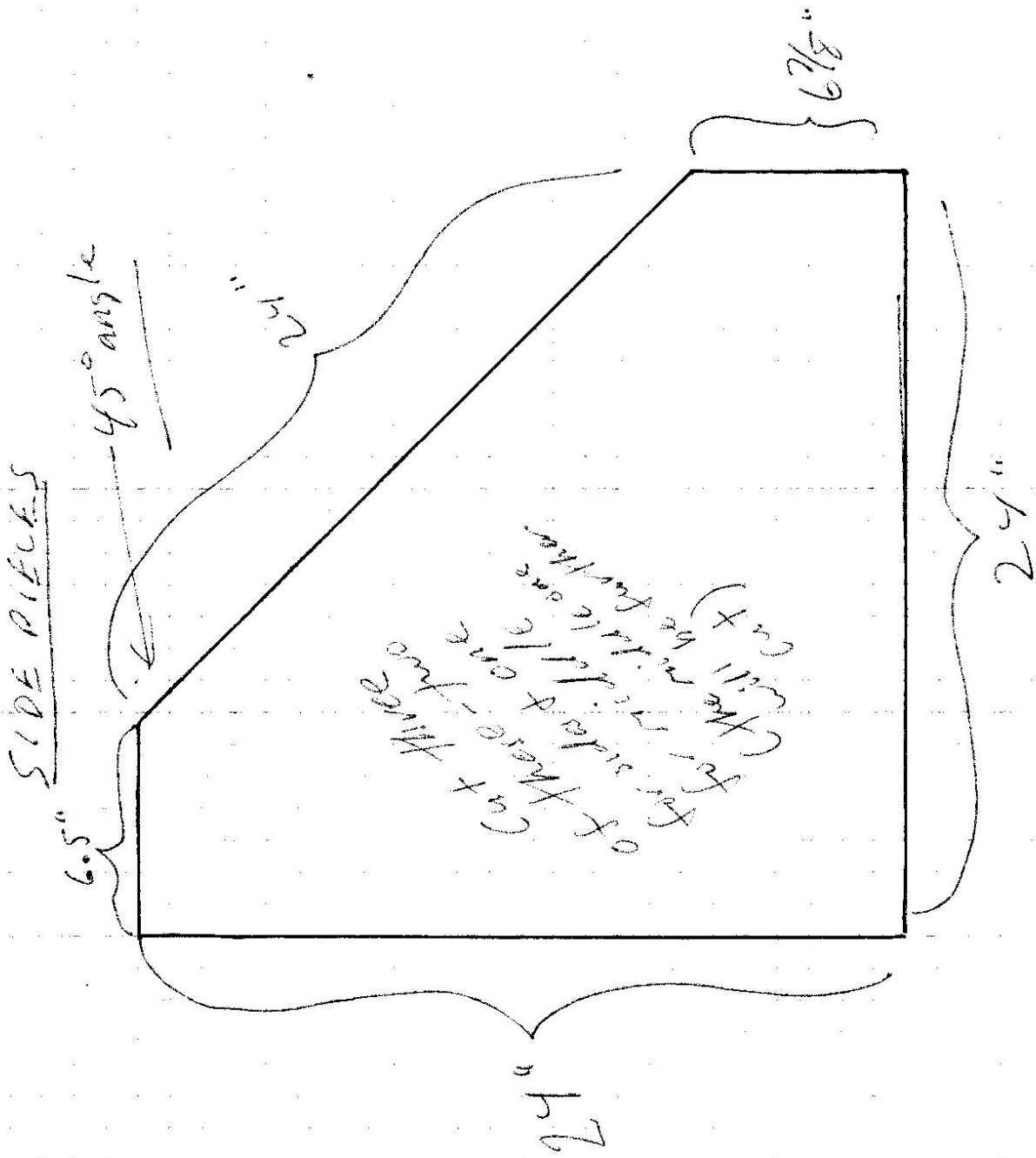


$\frac{3}{8}$ " LIP OF PLYWOOD BASE EXPOSED

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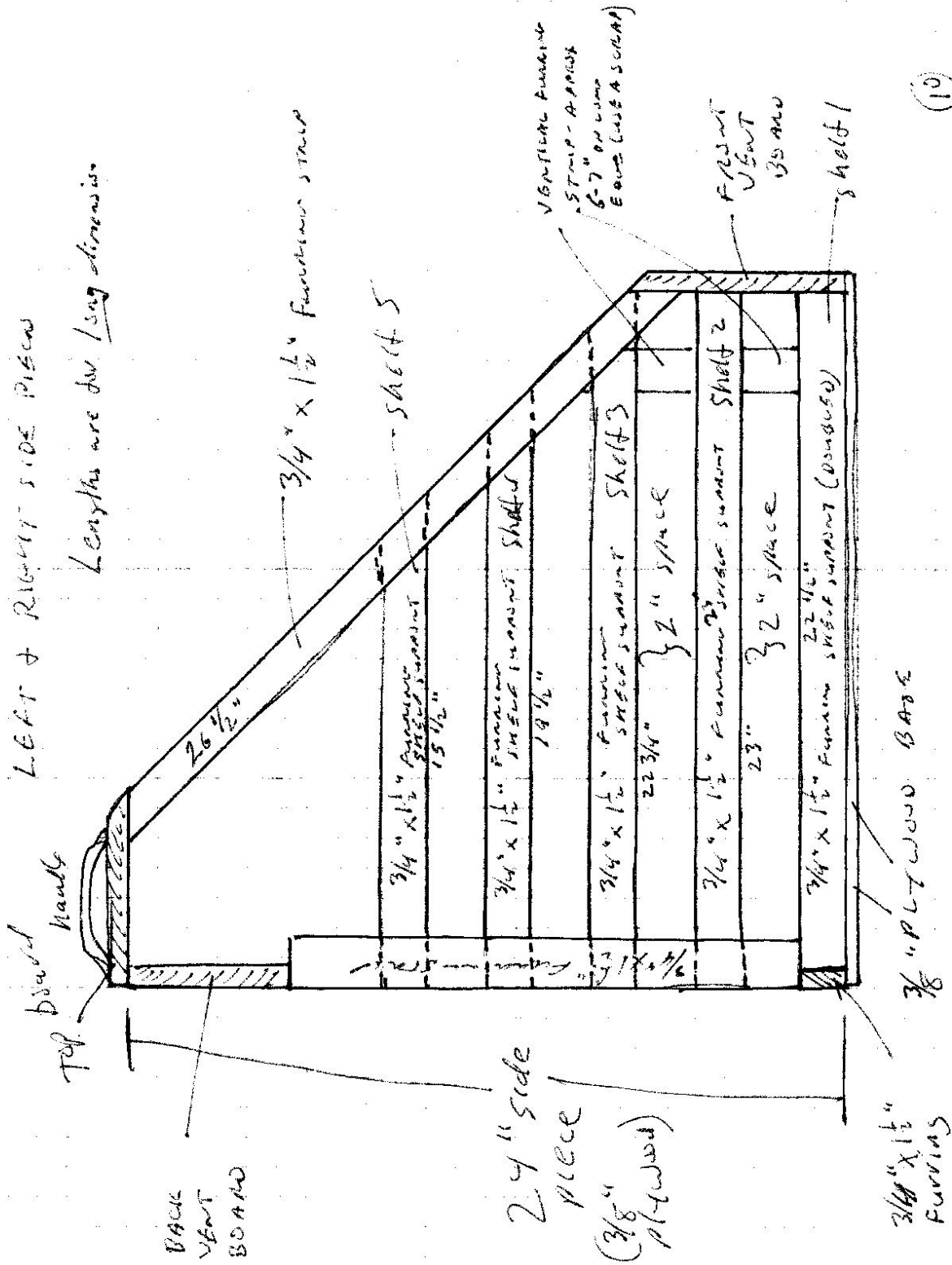
BACK

①

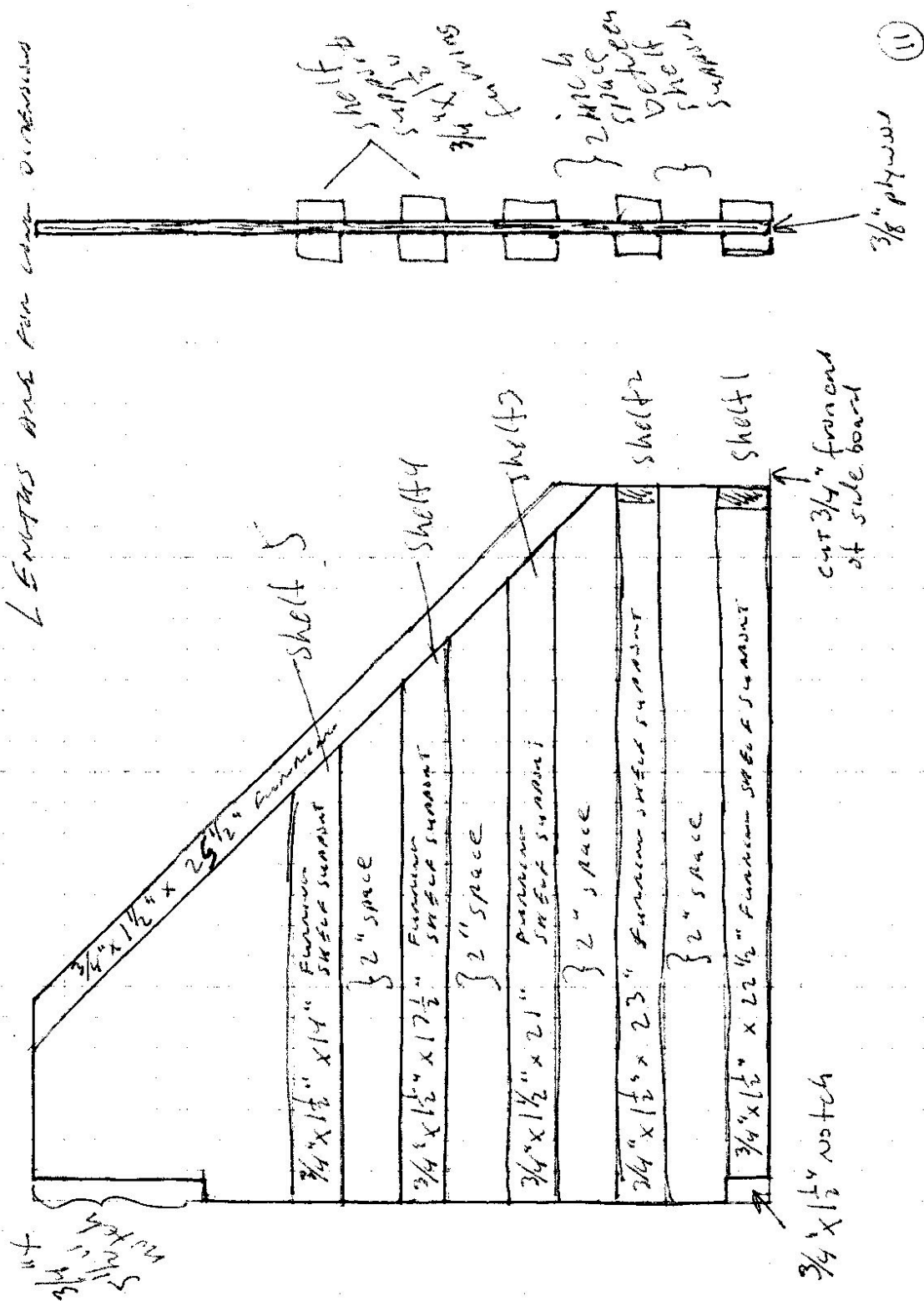


LEFT + RIGHT SIDE PIECES

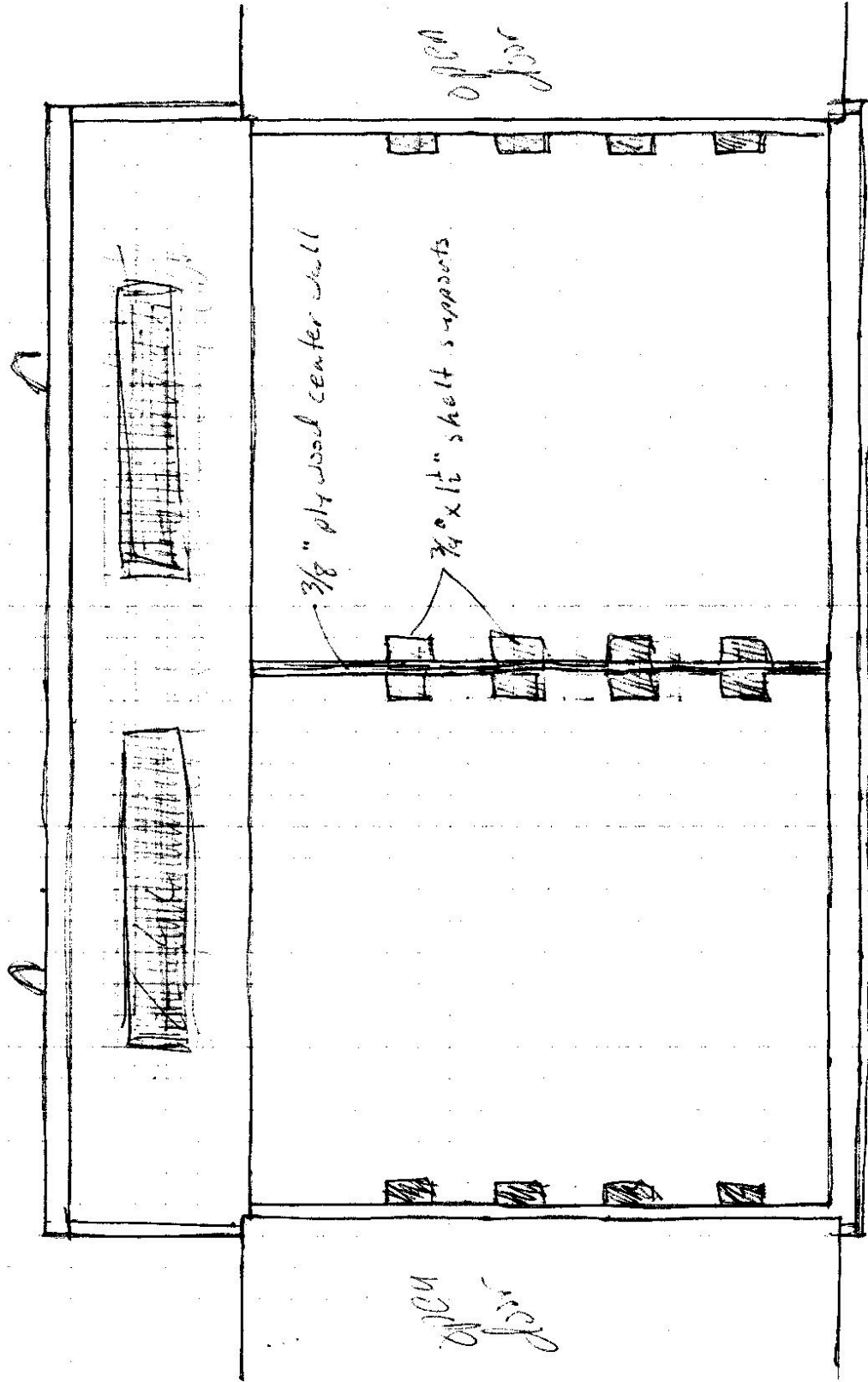
Lengths are dw / sag dimensions



MIDDLE BOARD



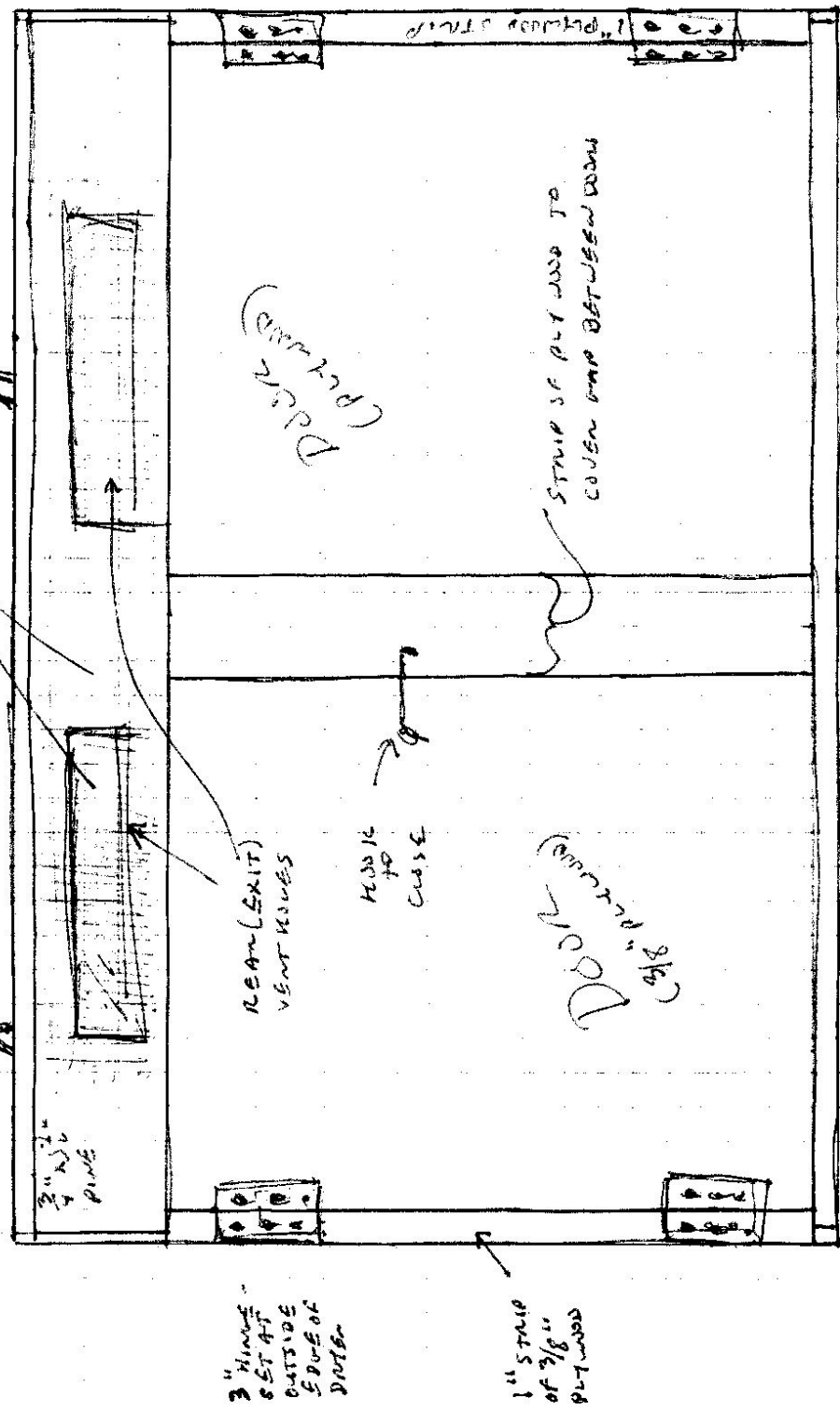
REAR VIEW - DOWN SPIN



REAR VIEW - DOWNS CUBED

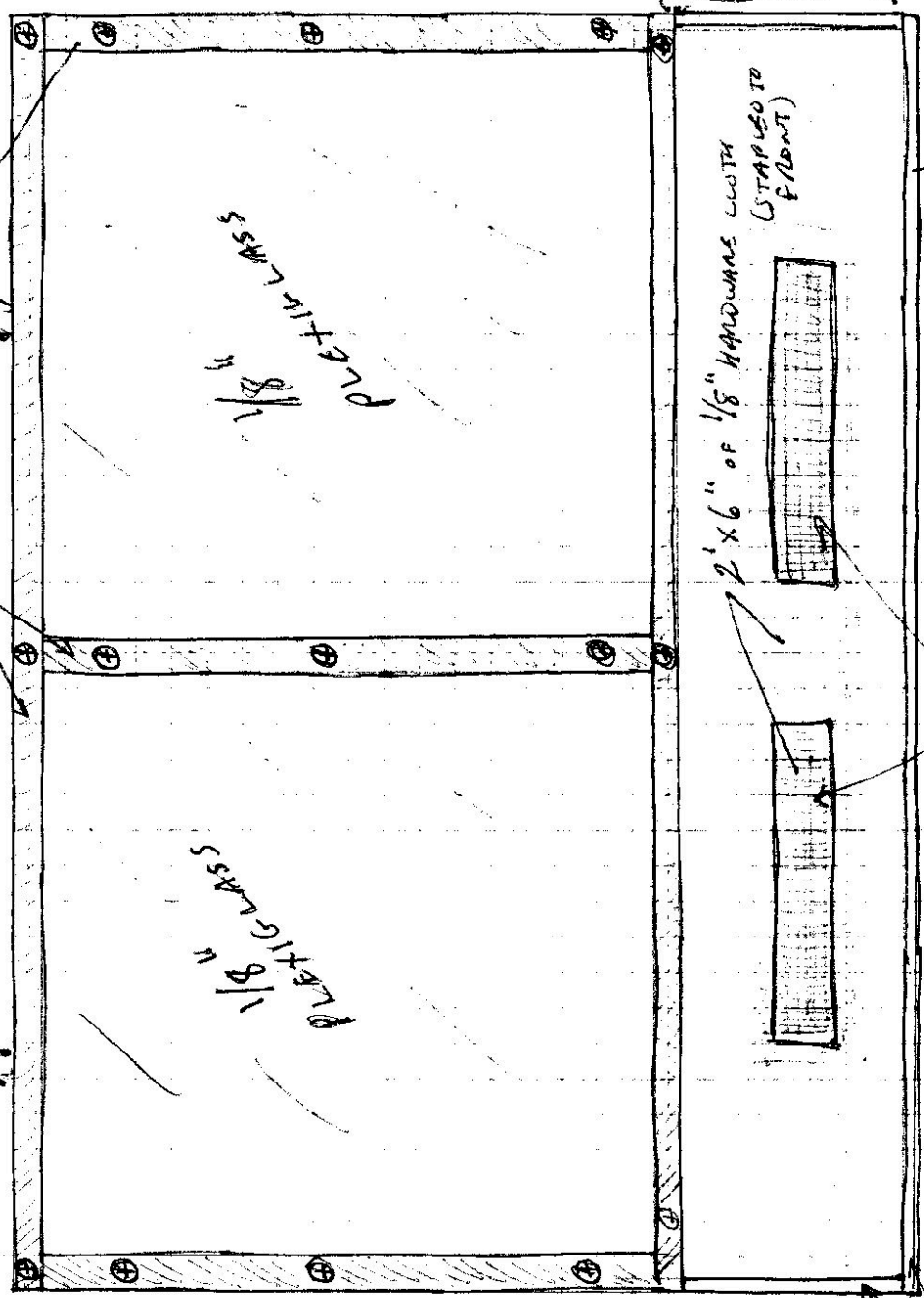
2" X 6" or 1/8" HANDLING WITH STRAP

HANDLE



FRONT VIEW
1" x 25" STRIPS HELD BY "LATH SCREENS"

HANDWE



FRONT VIEW
1" x 25" STRIPS HELD BY "LATH SCREENS"

FRONT VIEW
1" x 25" STRIPS HELD BY "LATH SCREENS"

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FRONT VIEW
1" x 25" STRIPS HELD BY "LATH SCREENS"

DATA RACKS MADE FROM USED/DISCARDED

ALUMINUM WINDOW SCREENS - TWO ON EACH SIDE

#1 (BOTTOM) EXTENSION DIMENSIONS: $16\frac{3}{8}" \times 22\frac{1}{2}"$

#2 " " " $16\frac{3}{8}" \times 22\frac{1}{2}"$

#3 " " " $16\frac{3}{8}" \times 19"$

#4 " " " $16\frac{3}{8}" \times 15"$

#5 (TOP) " " " $16\frac{3}{8}" \times 11\frac{1}{2}"$

MATERIALS

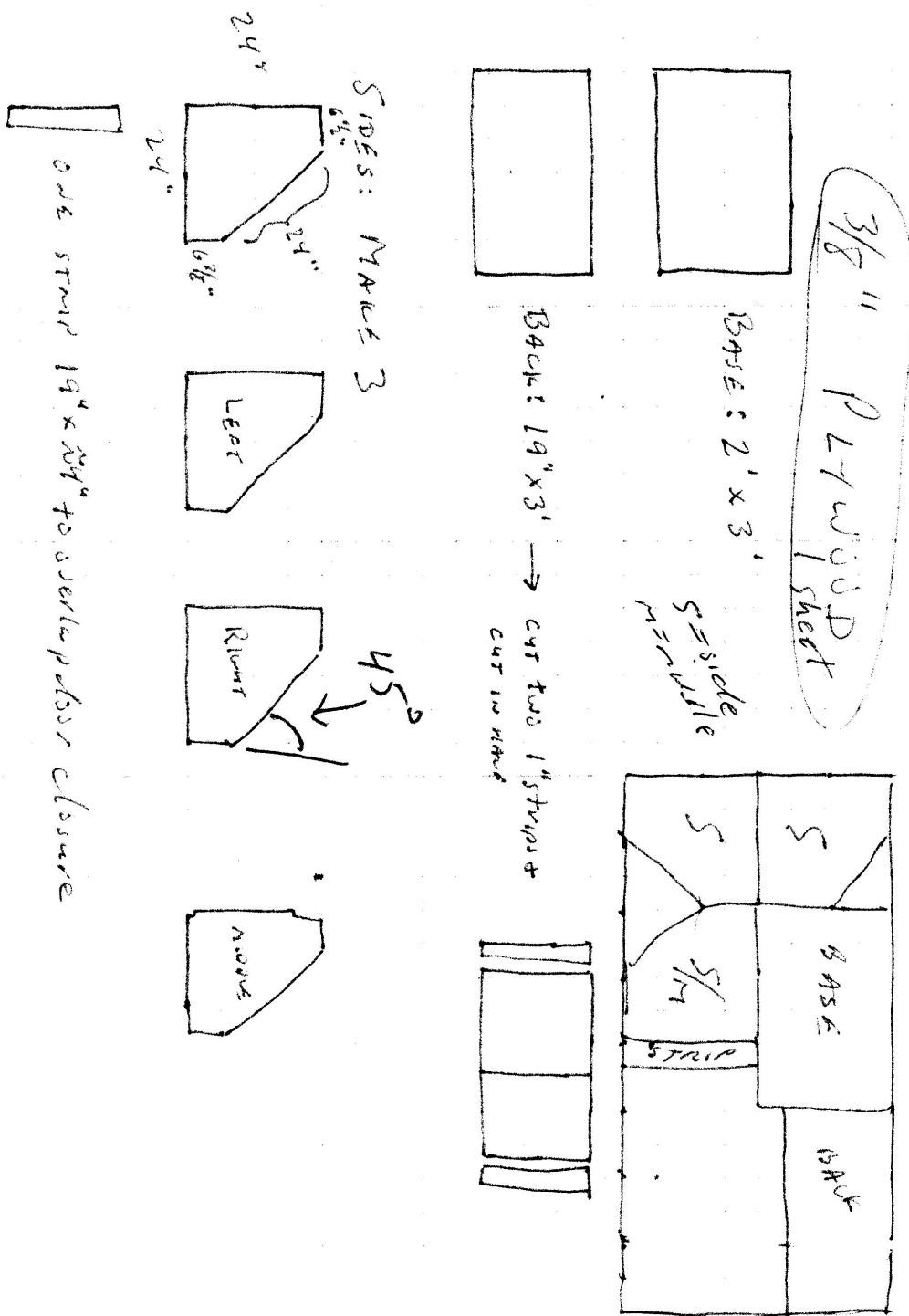
- 8 $\frac{3}{4}$ " x $\frac{1}{2}$ " ~~PLAIN~~ RUNNING STRIPS (CHECK FOR STRAIGHTNESS - BUT NOT EXTRA LONG??)
- 1 4' x 8' sheet $\frac{3}{8}$ " ALUMINO. (CDX OR A-C)
- 1 8' piece "1 x 6" pine
- 1 6' piece "1 x 8" pine
- 12' 1" x $\frac{1}{4}$ " LATH ON SCAFF WOOD
- 12" x 24" $\frac{1}{8}$ " HANDMADE LATH
- 12" x 24" ALUMINUM SCREEN
- 20" x 36" FIBERGLASS SCREEN
- 2 HANDLES
- 4 3" HINGES
- 15 1" LATH SCREENS
- .5 # 1"
- .5 # $\frac{1}{4}$ "
- $\frac{3}{8}$ or $\frac{1}{2}$ " STAPLES

PAINT: APPROX 1 QUANT PRIMER + 1 QUANT BLACK

DRYING - SHELVES / RACKS:

SCREEN NEARBY SHELVES OR HANDMADE STONES MAY GIVE ~~THE~~ YOU OLD SCREENS - YOU WILL NEED AT LEAST 10 SO THAT YOU HAVE ENOUGH OF THE CORNER PIECES. NOTE THAT THERE ARE DIFFERENT DIAMETERS OF THE SPINNING MATERIAL (THE RUBBER CORD THAT HELDS THE SCREEN IN PLACE). USE THE OLD SCREEN MATERIAL OR BUY NEW.

All angles are either 45 degrees or 90 degrees.



The Dehydrator Plans and Photos are from the CRFG-R Solar Food Dehydrator workshop, held in June, 2009. My apologies for the quality of the scanned "plans." Also, Obviously I'm not a draftsman.

This design is a combination of several other plans seen in books and online.

One adaptation would be to cover the top vent with cardboard or in some other way regulate the air flow.

My recommendation is to look at and probably print the photos to accompany the plans.

Good luck!

Mike Roa