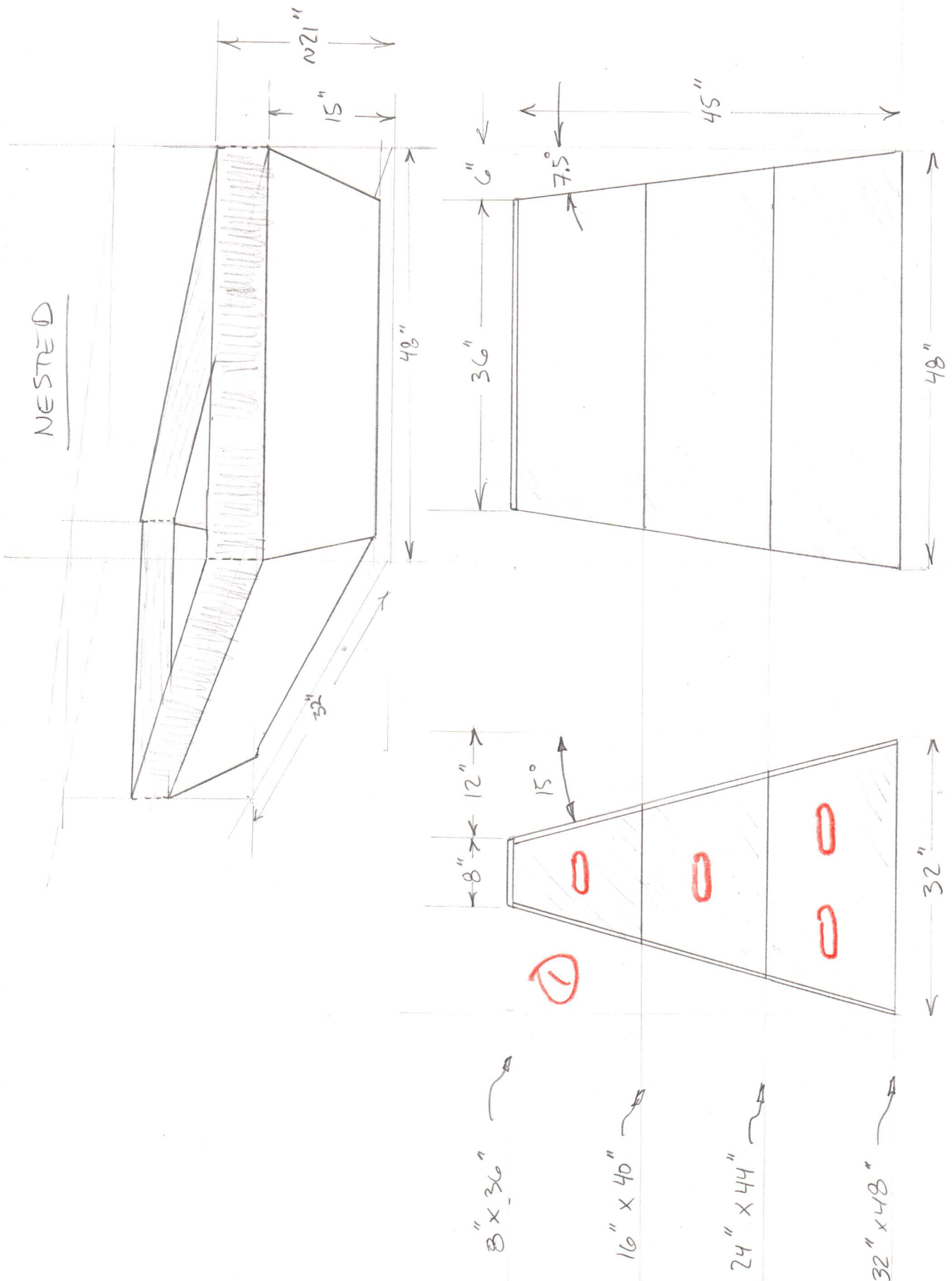


For more info, please go to...

<http://constantine.name/how-not-to-build-a-vault-box>
(there's a better design on the web site)



SIDE FACES

①

②

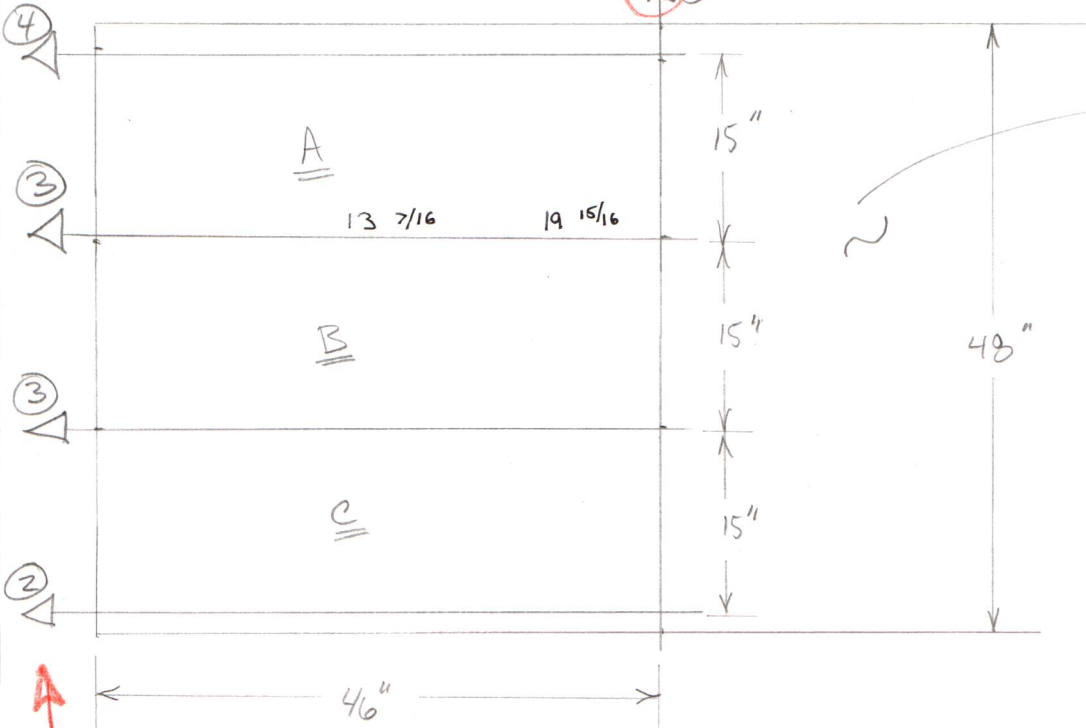
① CUT (0° BEVEL) A 46" PIECE FROM ONE SHEET OF PLYWOOD.

② PUT A 7.5° BEVEL ON THE 46" SIDE.

③ CUT (7.5° BEVEL) TWO 15" STRIPS.

④ TRIM (7.5° BEVEL) FINAL STRIP TO 15" WIDE.

AD



SAVE 1/2
SHEET FOR USE
AS BOX TOPS

④

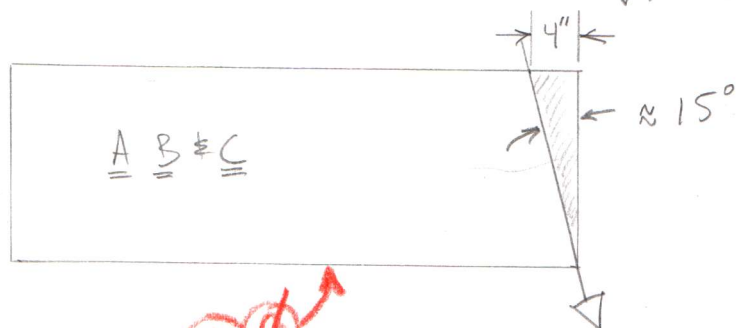
③

SIDE FACES

2

~~4~~ ~~5~~ ①

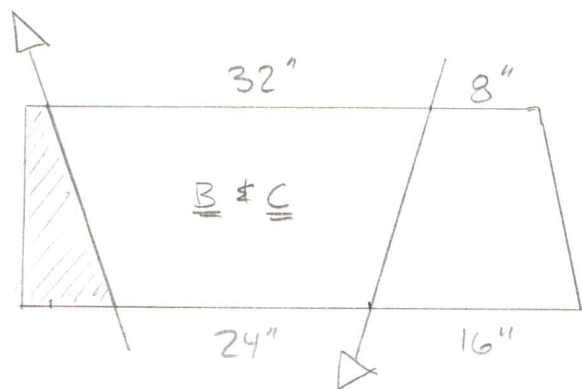
① STACK 3 STRIPS AND TRIM (\emptyset° BEVEL):



② ~~6~~

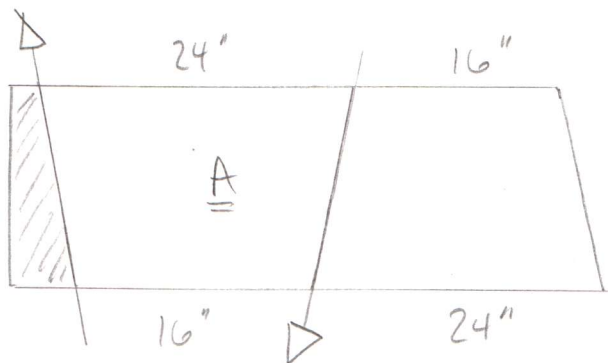
② (SET "A" ASIDE)

CUT (\emptyset° BEVEL) "B" ≠ "C" TWICE:



SIDES FOR TOP
≠ BOTTOM BOXES

③ CUT (\emptyset° BEVEL) "A" TWICE:



SIDES FOR
MIDDLE BOX

(4.2 ft² for painting)

FRONT FACES

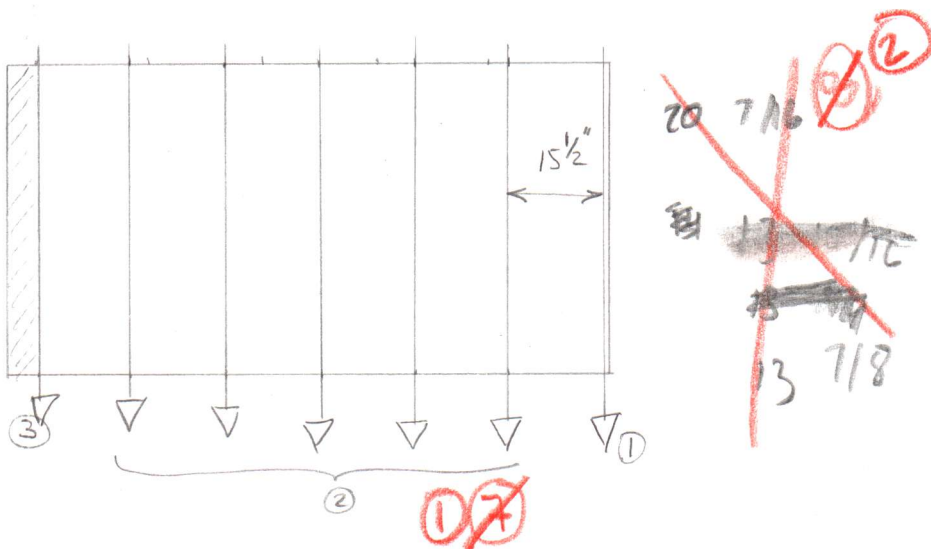
③

① TRIM (15° BEVEL) 48" EDGE OF PLYWOOD

1 @ 3/4" x 4' x 8'

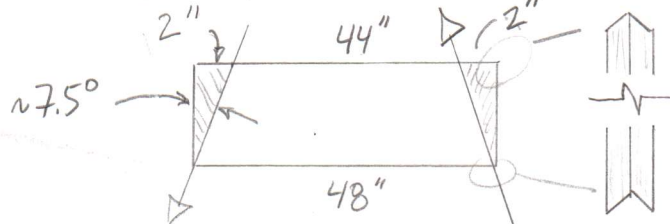
② CUT (15° BEVEL) FIVE 15 1/2" PIECES

③ TRIM (15° BEVEL) SIXTH PIECE TO 15 1/2"

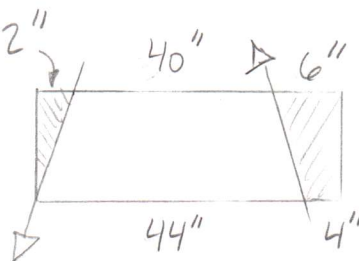


④ STACK IN PAIRS WITH OPPOSING BEVELS:

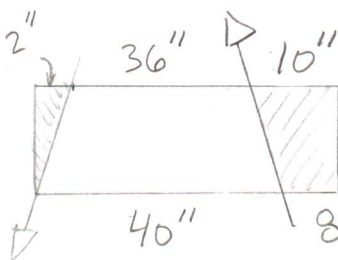
⑤ CUT (0° BEVEL)
BOTTOM,



⑥ MIDDLE,



⑦ AND TOP BOXES'
FRONT FACES



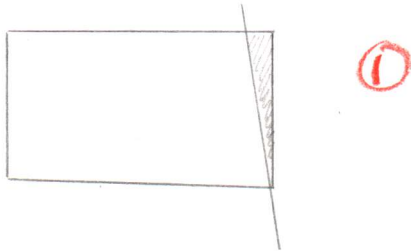
(27.2 ft² for paint)

SIDE FACES FRAMING

④

① RIP ($\sim 7.5^\circ$ BEVEL) ONE 8' 2x4.

1 @ 8' 2x4



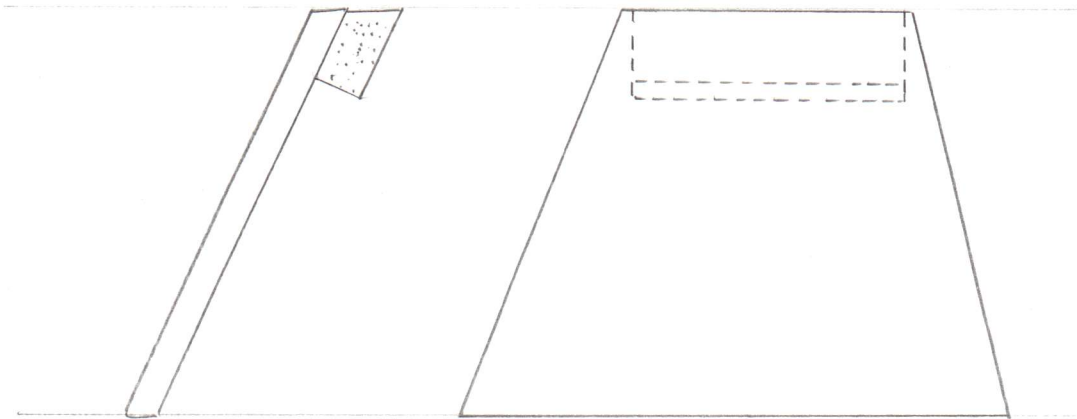
② CUT (0° BEVEL) INTO APPROX. LENGTHS:

2 @ 23 1/2"
 2 @ 15 1/2"
 2 @ 7 1/2"

} 4 SCREWS PER 3"

~ 48 SCREWS

③ ATTACH TO THE TOP EDGE OF EACH SIDE FACE:



SIDE FACES FRAMING

5

① CUT ($\sim 7.5^\circ$ END ANGLE, 15° BEVEL) SIX, 10" LONG PIECES, FROM TWO 8' 2x4's

2 @ 8' 2x4

- 12, 10" PIECES WITH BOTH END

ANGLED AND BEVELED

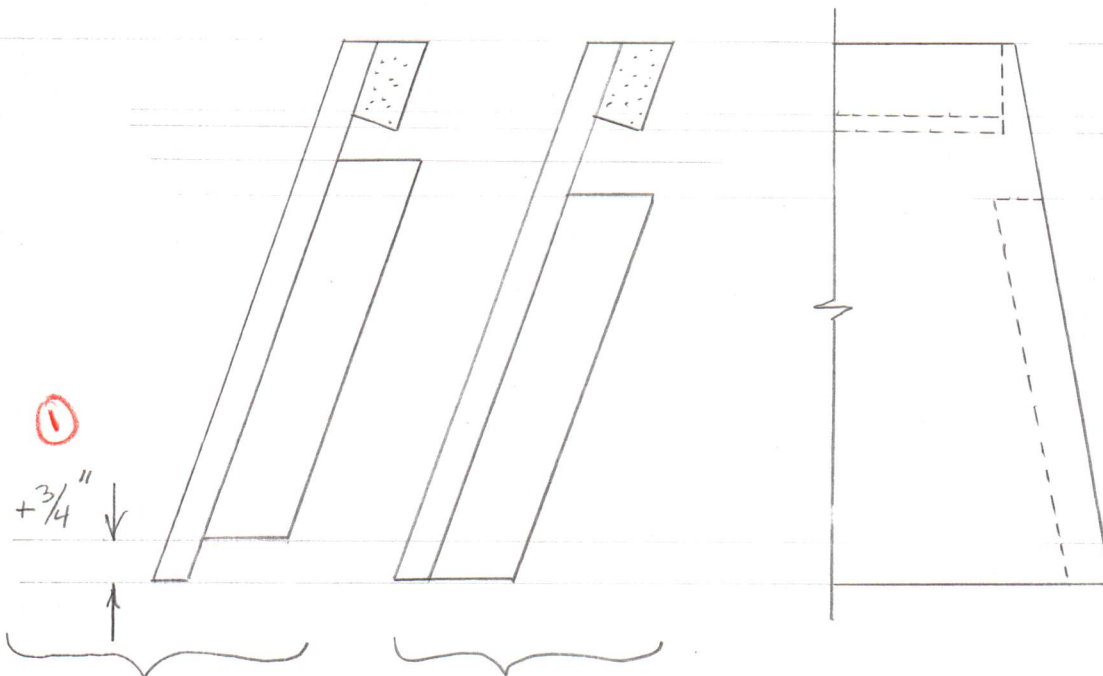
- SAVE ~ 36 " PIECES
(MARK AS "TOPS")

SAVE 2, 36"
2x4 PIECES

② ATTACH TO THE SIDES OF ALL 6 SIDE
FACES

- 5 SCREWS PER 10" PIECE

~ 60 SCREWS



X4 FOR TOP AND
MIDDLE BOXES

X2 FOR BOTTOM
BOX

FRONT FACES FRAMING

(6)

(SIMILAR TO "SIDE FACES FRAMING"
ON PAGE (4).)

① RIP (15° BEVEL) TWO 8' 2x4s.

2 @ 8' 2x4

② CUT (0° BEVEL) INTO ~ ^{30"} 32" LENGTHS.

- SET TWO PIECES ASIDE
(MARK AS "FACES")

→ SAVE 2 @
~ 32" 2x4

③ ATTACH FRAMES TO TOP EDGE OF
TOP AND MIDDLE BOXES.

- 10 SCREWS PER 32" PIECE

~ 40 SCREWS

ASSEMBLY

⑦

① SCREW FRONT FACES TO SIDE
FACES

- 5 SCREWS PER 10" CORNER
PIECE.

- CHECK SQUARE AND STACK
ON EACH OTHER.

~ 60 SCREWS

BOX TOPS

⑧

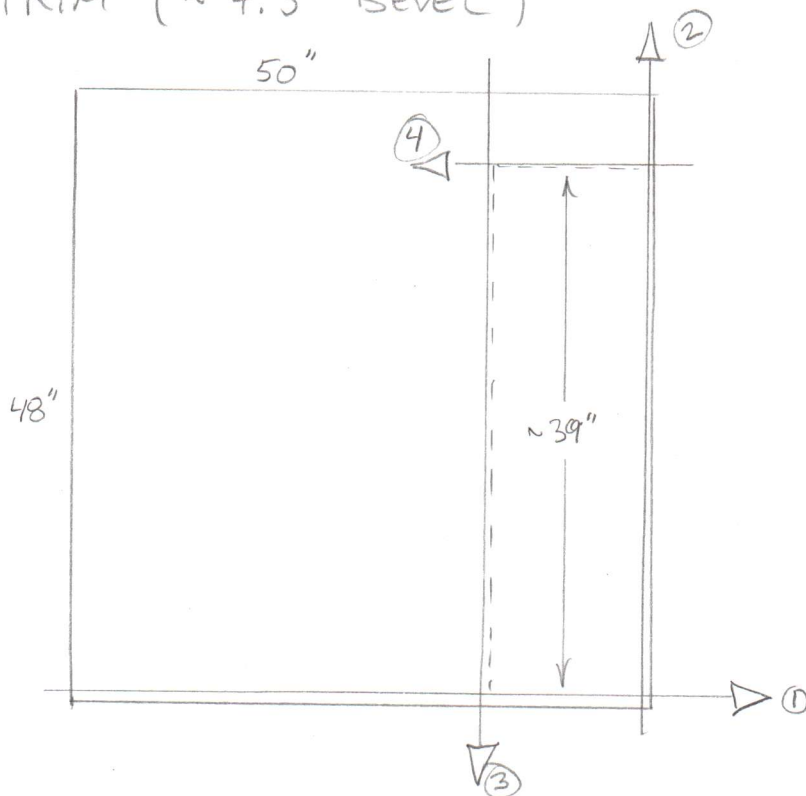
① PUT $\sim 7.5^\circ$ BEVEL ON 50" EDGE.

② PUT 15° BEVEL ON 48" EDGE.

— PLACE TOP BOX ON PLYWOOD AND MARK PLYWOOD.

③ CUTOFF (15° BEVEL)

④ TRIM ($\sim 7.5^\circ$ BEVEL)



⑤ MIDDLE AND BOTTOM BOXES: PUT PLYWOOD ON BOX AND MARK — REMEMBER $\sim 3/4"$ SET BACK.

⑥ ~ 4 SCREWS PER 10"
(14 ft² for paint)

~ 80 SCREWS

BOTTOM BOX'S TOP FRAME

⑨

① FLIP BOX

② USE 2 36" SAVED PIECES ("TOPS"):
FIT (15° BEVELS) FLAT SIDE TOWARD
PLYWOOD

③ PLACE 2 32" SAVED PIECES ("FACES"):
- STAND ON THEM
~ 4 SCREWS 10"

~24 SCREWS

5 @ 8' 2x4

2.92 ea

\$ 14.60

2 @ 3/4" 4'x8
(23/32)

26.42 ea

\$ 52.84

~ 320 2-1/2" DECK SCREWS

~ \$20

SCREWS

"DECK MATE" 2 1/2" 84/1# 420/5# 2100/25#

\$6.93 \$23.48 \$98.85

x4: 93.92

	<u>NEED</u>	<u>+5%</u>	<u>25#</u>	<u>5#</u>	<u>1#</u>		
5 BOXES	1600	1680	0	4	0	93.92	18.78 ea
6 "	1920	2016	0	0	0	98.85	16.48 ea
7 "	2240	2352	1	1	0	122.33	17.48 ea
8 "	2560	2688	1	2	0	145.81	18.27 ea

"DECK MATE" 2 "

~~99/1#~~ 495/5#
~~\$23.48~~ \$23.48

Box	5#s		ea
5	4	93.92	18.78
6	5	117.4	19.57
7	5	140 117.4	16.77
8	6	140.88	17.61

paint

4.2 ft²

- ENDS

27.2 ft²

- FRONTS

14.0 ft²

- TOPS

~ 45.5 ft²

x 8 laps =>

363 ft²

2 gallons of paint