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)
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.

Save 1/2 sheet for use as box tops.
1. Stack 3 strips and trim (90° bevel):

\[ \text{A} \neq \text{B} \neq \text{C} \]

\[ 4'' \]

\[ \text{\& 15°} \]

2. (Set "A" aside)

Cut (0° bevel) "B" \# "C" twice:

\[ \text{B} \neq \text{C} \]

\[ 32'' \]

\[ 8'' \]

\[ 24'' \]

\[ 16'' \]

\[ \text{SIDES FOR TOP \& BOTTOM BOXES} \]

3. Cut (0° bevel) "A" twice:

\[ 24'' \]

\[ 16'' \]

\[ 16'' \]

\[ 24'' \]

\[ \text{SIDES FOR MIDDLE BOX} \]

\[ 4.24^2 \text{ for painting} \]
1. Trim (15° bevel) 48" edge of plywood
2. Cut (15° bevel) five 15½" pieces
3. Trim (15° bevel) sixth piece to 15½"

4. Stack in pairs with opposing bevels.
5. Cut (15° bevel) 7.5° bottom,
6. Middle,
7. And top boxes' front faces.

(27.2 ft² for panel)
1. Rip (~7.5° Bevel) one 8' 2x4.

2. Cut (0° Bevel) into approx. lengths:
   
   \[ \begin{align*}
   &2 @ 23\frac{1}{2}'' \\
   &2 @ 15\frac{1}{2}'' \\
   &2 @ 7\frac{1}{2}''
   \end{align*} \]

   \[4 \text{ screws per 8''} \]

   \[ \approx 48 \text{ screws} \]

3. Attach to the top edge of each side face:
1. Cut (~7.5° end angle, 15° bevel) six, 10" long pieces, from two 8' 2x4's.
   - 12, 10" pieces with both end angled and beveled
   - Save n 36" pieces (mark as "tops")

2. Attach to the sides of all 6 side faces
   - 5 screws per 10" piece

x4 for top and middle boxes
x2 for bottom box

2 @ 8' 2x4
FRONT FACES FRAMING

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

1. Rip (15° bevel) two 8' 2 x 4s.
   30"
2. Cut (6° bevel) into 32" lengths.
   - Set two pieces aside (mark as "faces")
3. Attach frames to top edge of top and middle boxes.
   - 10 screws per 32" piece

- 2 @ 8' 2 x 4
- SAVE 2 @ 32" 2 x 4
- ~40 screws
1. Screw front faces to side faces
   - 5 screws per 10" corner piece.
   - Check square and stack on each other.
1. Put 7.5° 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 (7.5° bevel)

5. Middle and bottom boxes: Put plywood on box and mark — remember ~3/4" set back.

6. ~4 screws per 10" (14 ft² for point)

~88 screws
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
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45.5 ft²

3603 ft²

2 gallons of paint