

Pandora's Box

Design, Fabrication, and Text by Rob Torres



Uroboros Glass Company

#11-29 Clear with Green/Gold-Pink Fractures, Green Streamers for Box,
(4) 8" x 12" Sheets

Other Materials Required

- (1) 8" x 12" First Surfaced Chrome or Double Strength Mirror Sheet, 1/8" Thick
- 1/8" Brass U-Cap (4, 6-Foot Lengths)
- 1/4 lb. 60/40 Solder 5/16"-Wide Brass Banding (2, 20" pieces)
- 4 Brass Box Feet Butterfly for Handle 2 Brass Hinges
- (3) 10"-Long, 3/8" Flat-Head H-Channel
- (4) 5/16" Round Solder Loops
- (2) 7" Pieces Brass Small-Link Chain
- Noncorrosive Flux Sprayway® 66 Adhesive Finishing Compound
- Mirror Edge Sealant Brass Marker Pen

In Greek mythology, Pandora was the first woman on earth. Zeus ordered Hephaestus to create her as vengeance upon man and his benefactor, Prometheus. The gods endowed her with every charm, together with curiosity and deceit. Zeus sent her as a wife to Epimetheus, Prometheus' simple brother,

and gave her a box that he forbade her to open. Despite Prometheus' warnings, Epimetheus allowed her to open the box and let out all the evils that have since afflicted man. Hope alone remained inside the box. Pandora's box may well have looked like the one we are making in this project.

Step 1

Lay out the pattern. Once the glass has been scored and cut, arrange the glass to inspect for grain direction and flaws.

Since the bottom of the box is to be a mirror, you need to seal the edges of the mirror with an appropriate edge treatment. Mirror sealant will protect the glass from "Black Edge."

Step 2

Notch the came. For this task, a simple pair of sharp lead dykes will do. I chose the 'Lil' Notcher, since it was designed specifically for this type of came. The Notcher tool makes quick and even cuts into the 1/8" U-shaped came.

Step 3

Wrap the glass pieces with the came. One piece of came with the correct notches made will wrap the glass with minimal soldering.

Step 4

Mark the came. Measure out the lengths needed with a tape, ruler, or straight edge. Use a pencil, pen, or scribe. Practice wrapping a small piece to get tolerances.

Step 5

Tack-solder the corners of the wrapped pieces in such a way that the tacks are concealed, if possible, and won't interfere with the opening and closing of the box.

Little spots are all that is needed in mainly the stress points, such as corners and midsections. Later the tacks can be painted with a brass marking pen. Remember to lightly tack the corners so if a slight adjustment is needed the glass won't be stressed to the point of breaking.

Step 6

Attach the lid hardware. The lid may be the most challenging part of the project, as it requires precision and patience. There are some angled surfaces that will need to be soldered.

Step 7

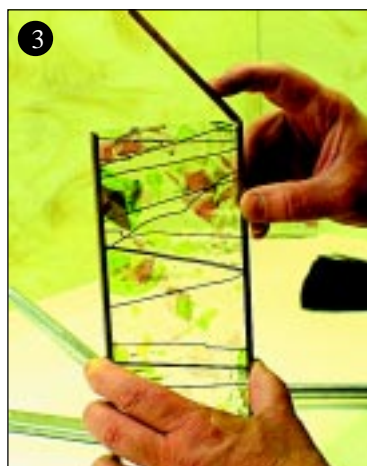
Attach the handle. Solder on the decorative hardware, such as a butterfly or something brass, that can be used as a handle to open and close the lid.

Add the brass feet. Then adjust for level and try filling the bottom cups with solder so they don't adjust out of level.

Step 8

Apply the banding. Select your brass hardware and choose a suitable banding so that it aligns up evenly and straight with other pieces of the banding.

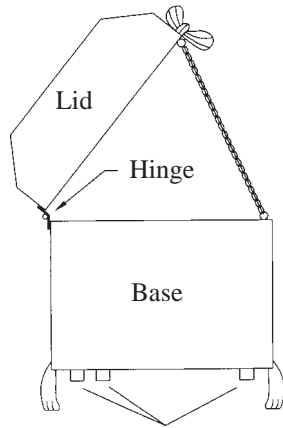
For this size box, a 5/16"-wide brass banding works well and can be obtained usually in the lamp section of most stained glass supply houses. Cut the top bands in one piece slightly longer than needed. Fold and solder at the mitered joints from the back or hinged side toward the front. Cut to length and solder the last fold. Repeat for other parts of the box.

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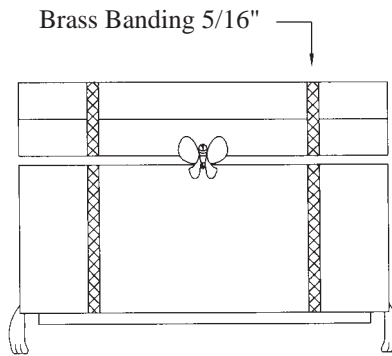
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Dressed Views

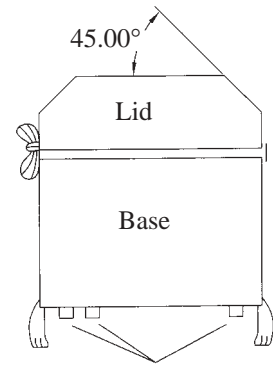


3/8 Lead Channel
Counter Weight Optional

Left Dressed Elevation

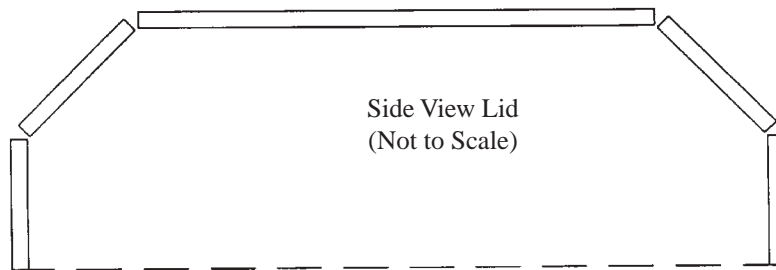


Front Dressed Elevation

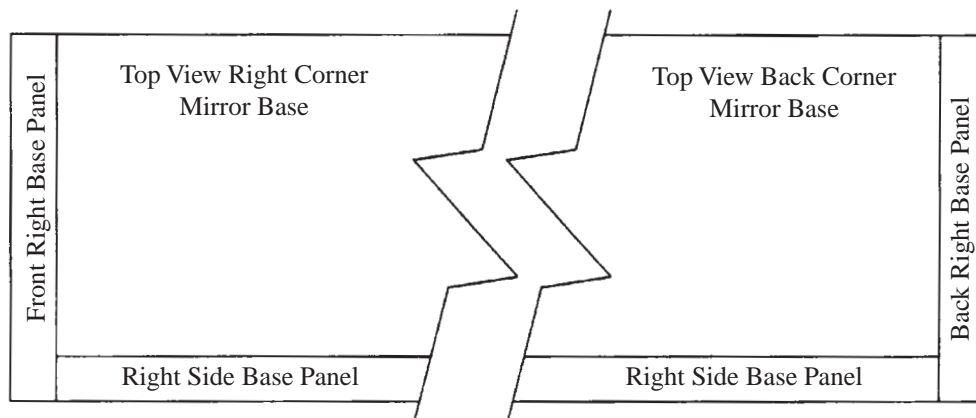


3/8 Lead Channel
Counter Weight Optional

Right Dressed Elevation



Side View Lid
(Not to Scale)



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Side Base

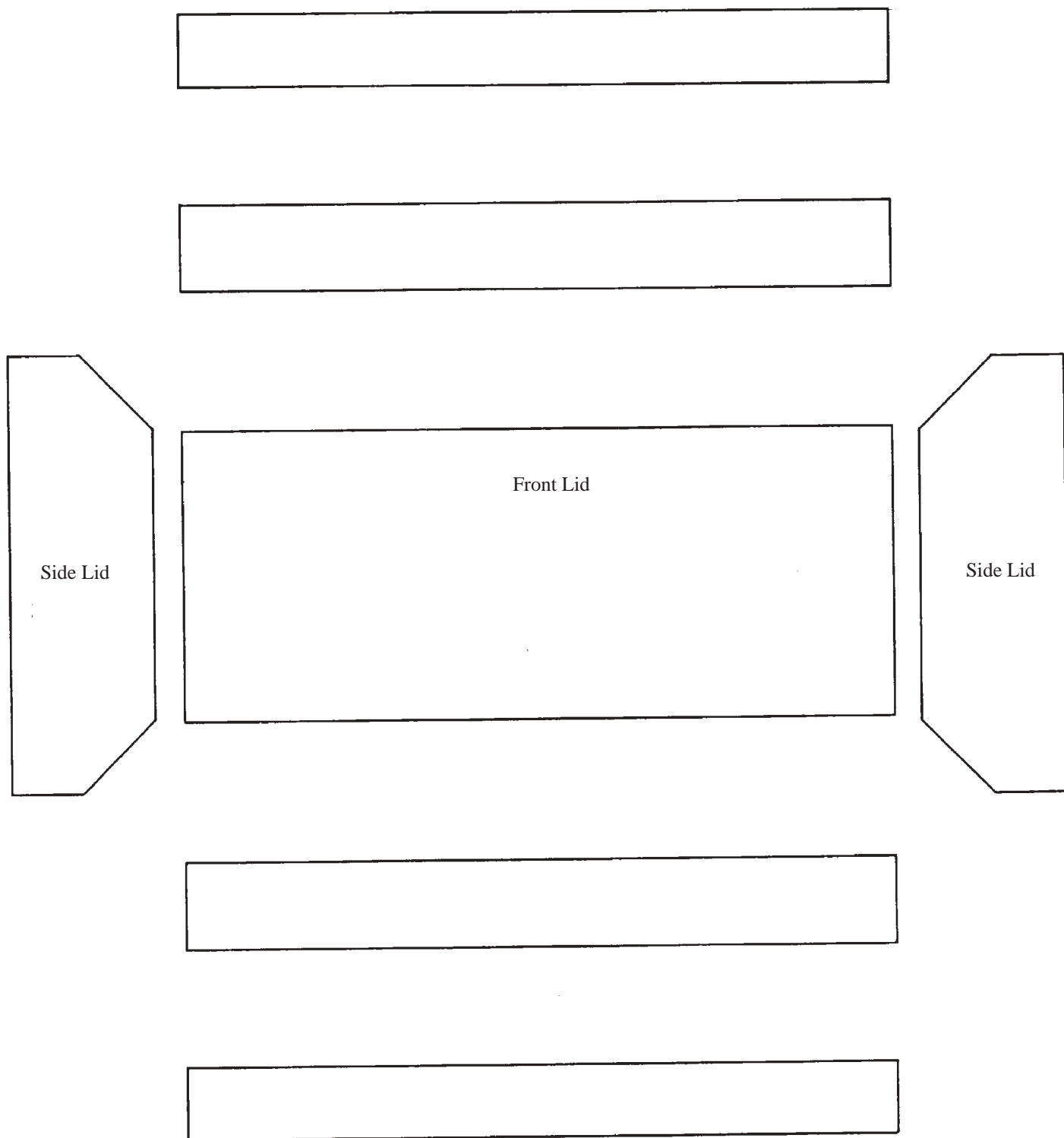
Back Base

1/8" Mirror Bottom

Front Base

Side Base

For full-size pattern of
Pandora's Box enlarge 100%



For full-size pattern of
Pandora's Box enlarge 100%