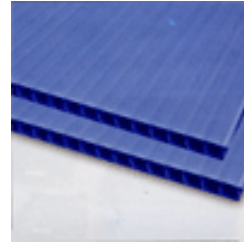


# Working With Coroplast

PLUS 2007

Marty Slack





## **Corrugated Plastic – What is it?**

**Corrugated plastic, also known by the brand name Coroplast®, is an extremely versatile, extruded twin-wall plastic sheet. It is durable and can be cut to any size or shape. Its surface is not affected by most oils, solvents or water, and cleans easily.**

**Corrugated plastic is available in a variety of lengths, widths and thicknesses, and comes in sheets of up to 48" x 96"**

**The stocked thickness of corrugated plastic is 3mm (approx. 1/8" to 3/16"), but other sizes are available.**

# What Can You Do With Coro?



# What Can You Do With Coro?



# Where to Purchase Coro

- Plastics Suppliers
- Sign Shops

A screenshot of a Yellow Pages directory listing for 'PLASTICS-RODS, TUBES, SHEETS'. The page is densely packed with text and small images. At the top left, there is a section for 'PITCHER'S' with a phone number '801-571-8080'. Below this, there are several columns of text listing various plastic suppliers and their contact information. A 'REGISTER TO VOTE!' graphic is visible at the bottom right of the page. The overall layout is typical of a printed directory page.

A screenshot of a Google search results page for the query 'plastic supplier'. The search results are displayed in a list format. The first result is 'Utah Plastics Supply - More Supplies for Making Licenses', with a brief description and a link to the website. Other results include 'Utah Plastics Supply - Washi Supplies', 'Regional Supply Inc. - Salt Lake City, UT, 84115 - Missions', 'Hobbytown Supplies', 'Plastic Bags on Amazon.com', 'Plastic Containers on Amazon.com', and 'Lansdale - Plastics Anded Customer - Utah State University'. The page also shows the Google logo, search bar, and navigation links.

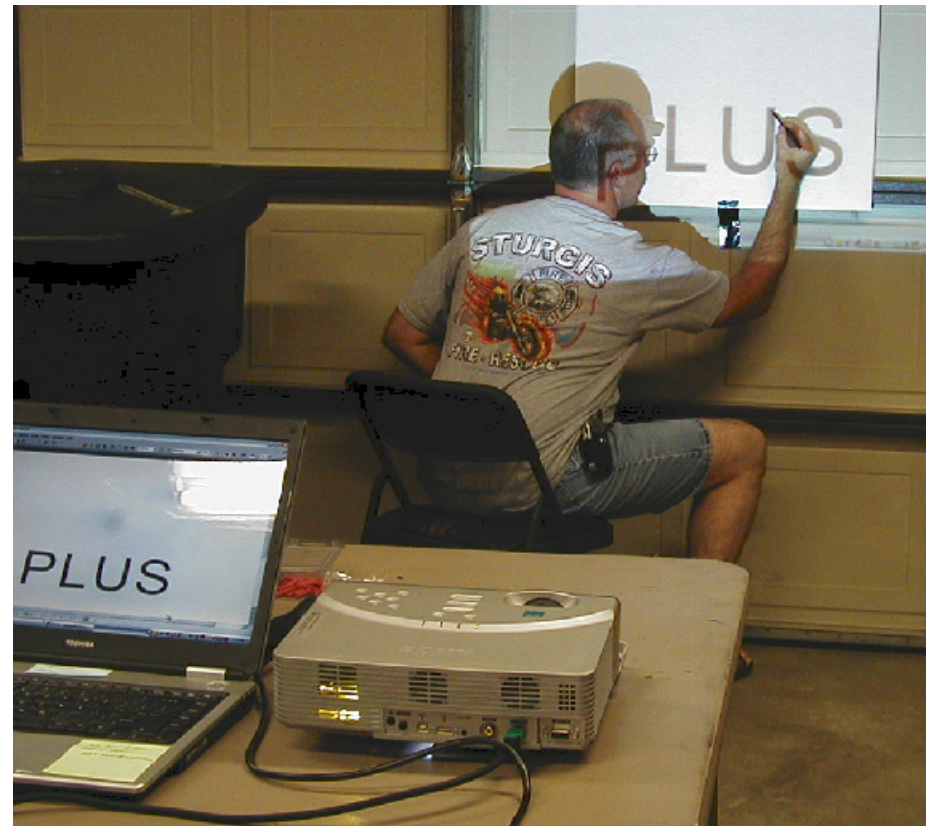
# Cutting Coro

- Cut with a sharp Razor Knife or Box Cutter.



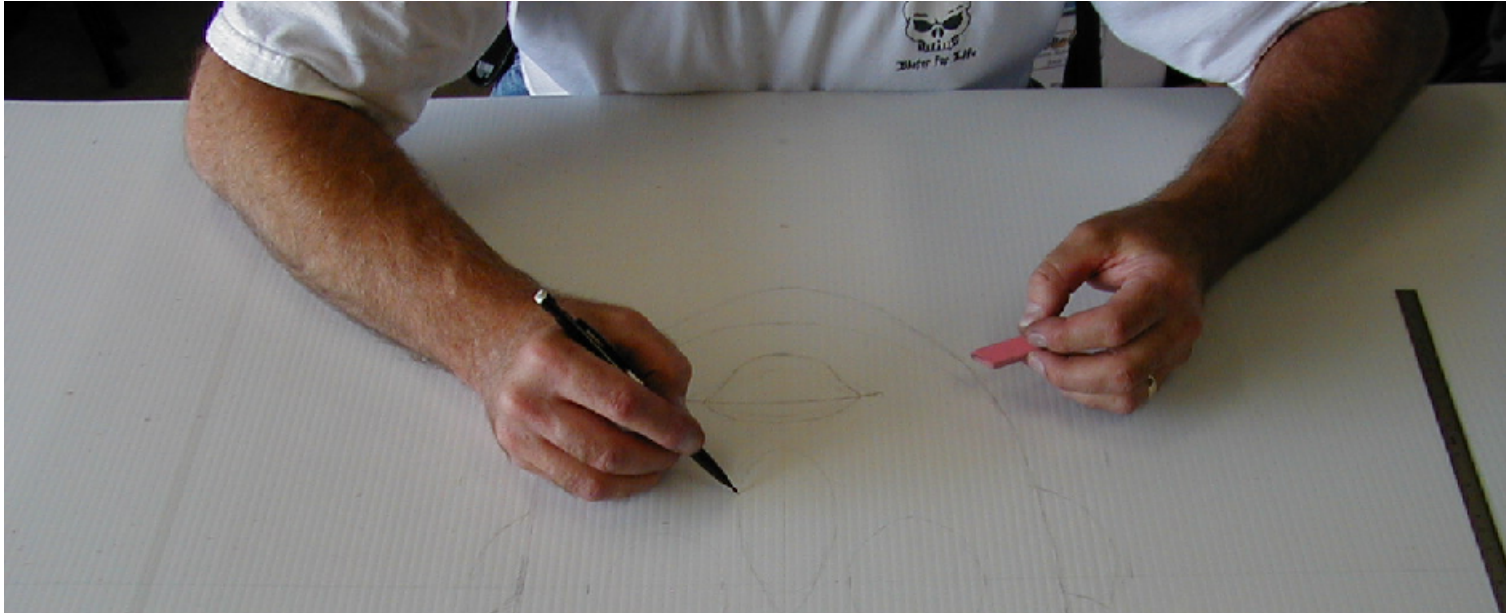
# Transferring Drawings

- Digital Projector
  - Project a mirror image onto the back side of the board.
  - Trace the drawing.



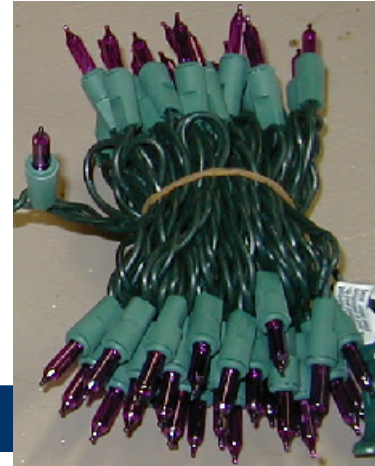
# Transferring Drawings

- Free Hand Drawing
  - Trace the drawing onto the back side of the board.

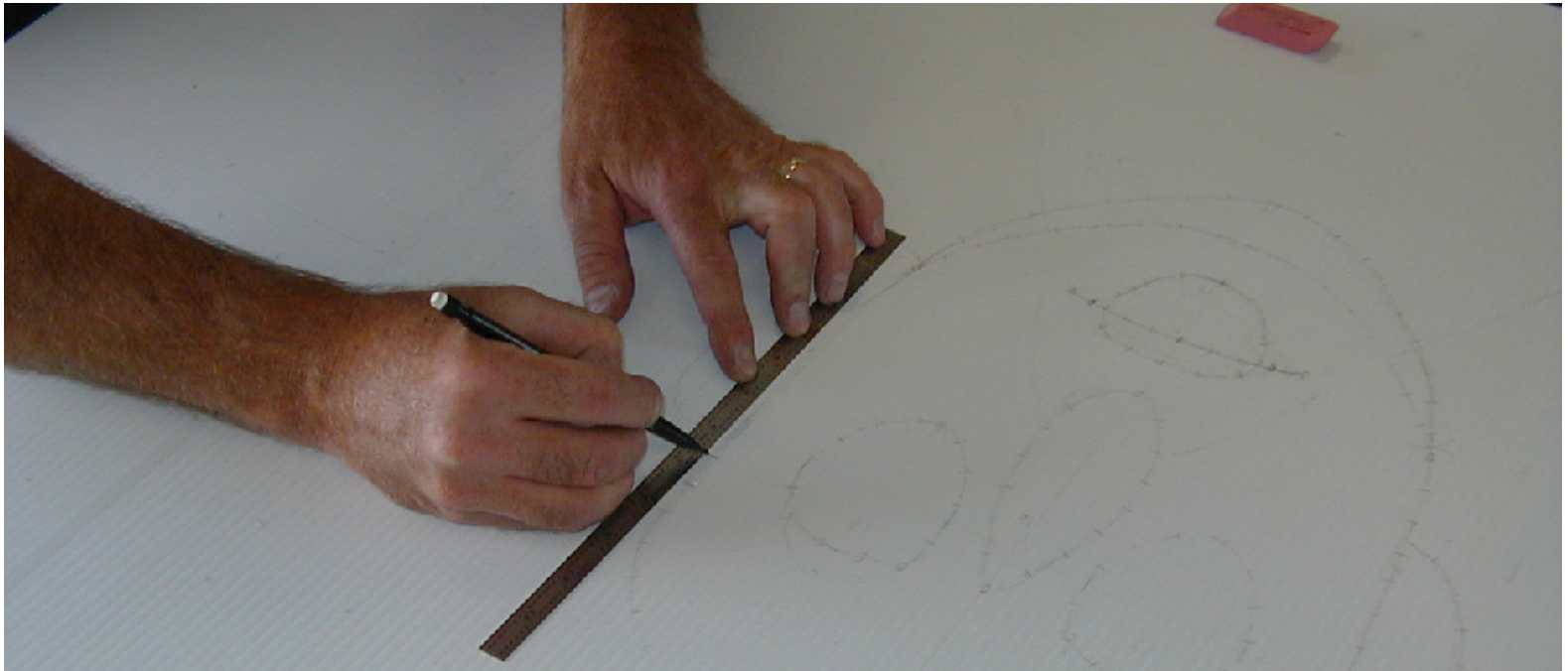




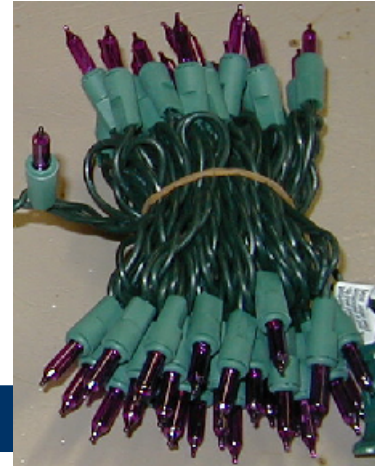
# Mini Lights



- $\frac{3}{4}$  Inch Spacing
- Multiples of 50 lights



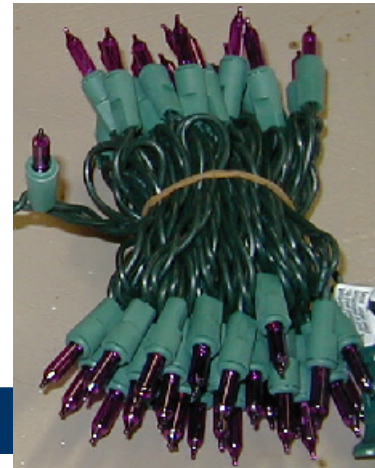
# Mini Lights



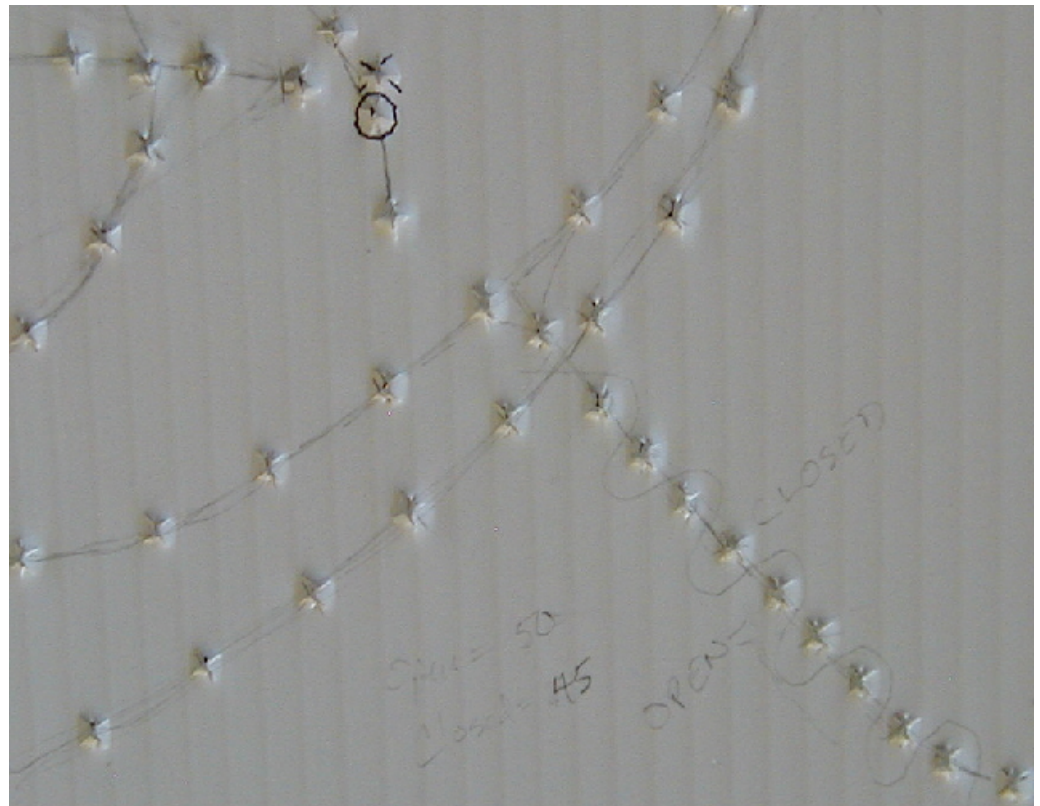
- Punch out holes for the lights from the back side using a Punch Awl.



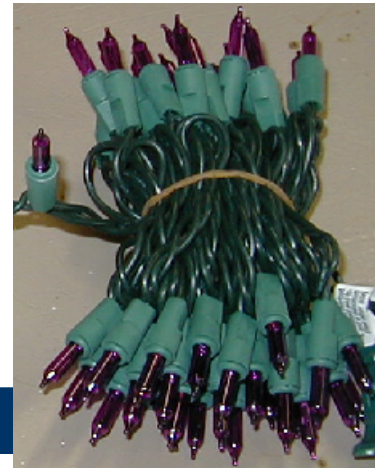
# Mini Lights



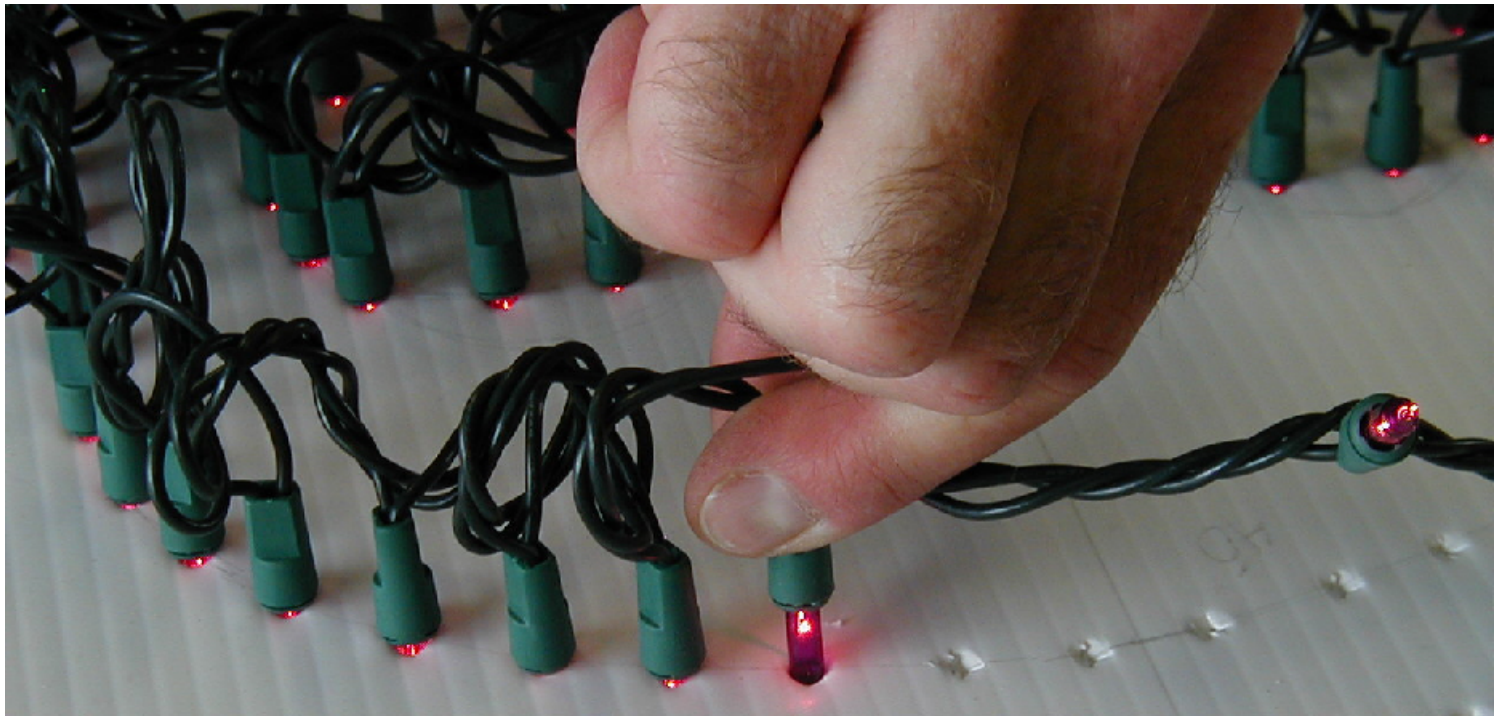
- Make notes to help you remember where the lights will go.
- Plan your route.



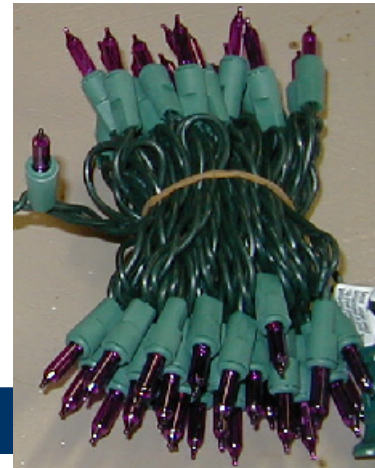
# Mini Lights



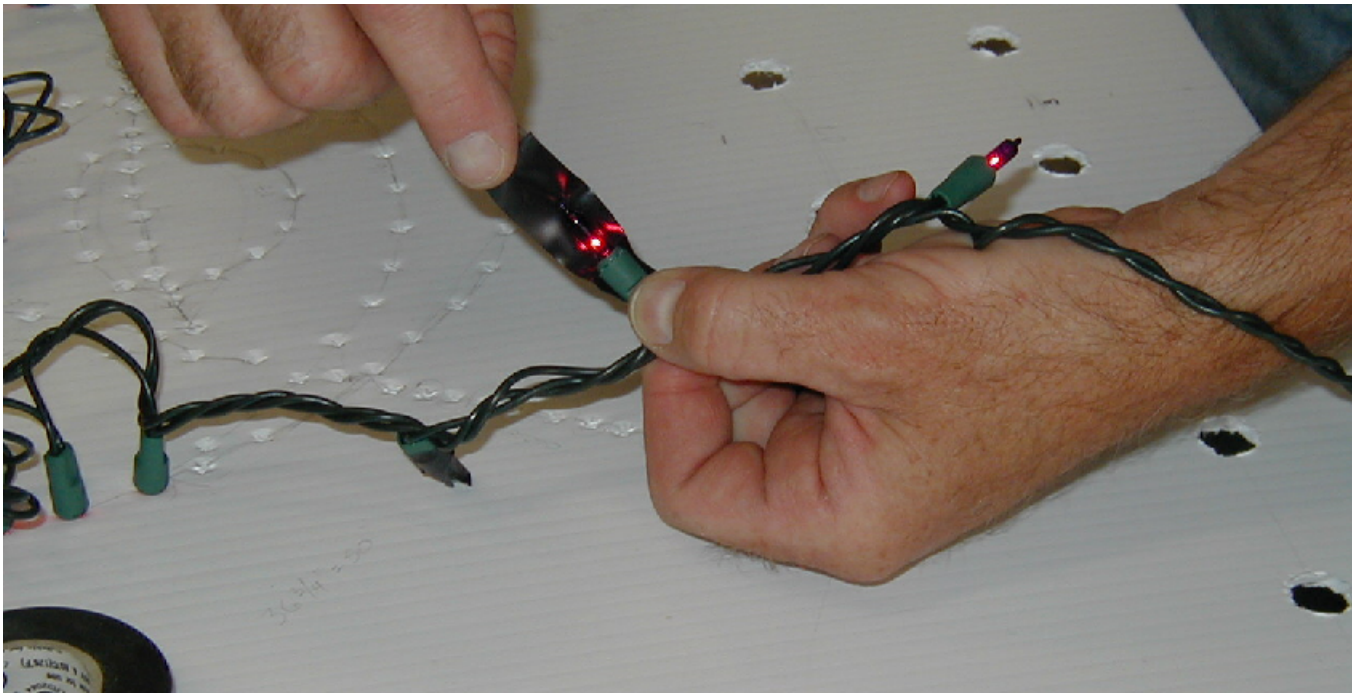
- Insert the lights by pushing through the holes from the rear.



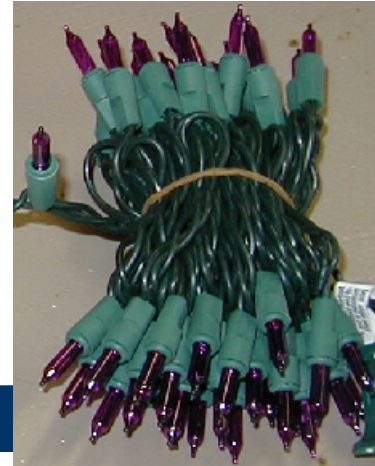
# Mini Lights



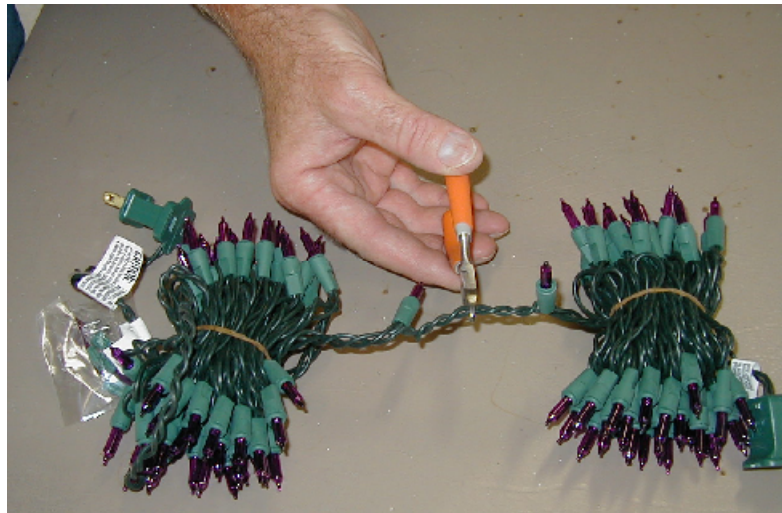
- Cover unused lights with electrical tape or blackout caps.



# Mini Lights

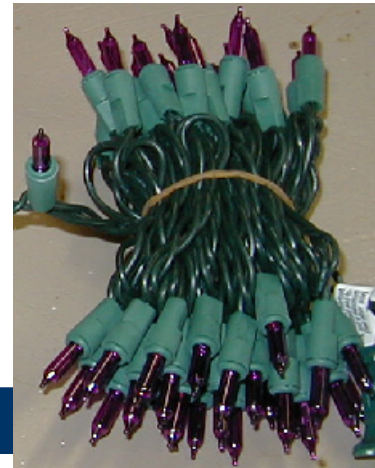


- Most Mini-Lights must operate in multiples of 50.
- Light Strings can be cut and spliced to have the correct number of lights (50, 100, 150, etc.)

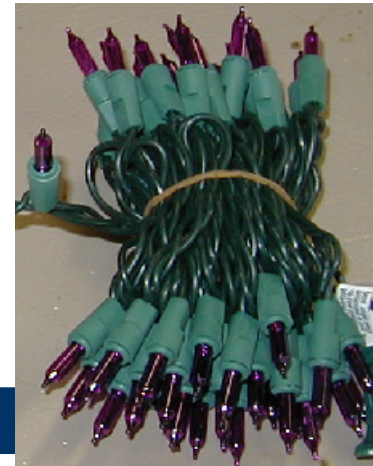


# Mini Lights

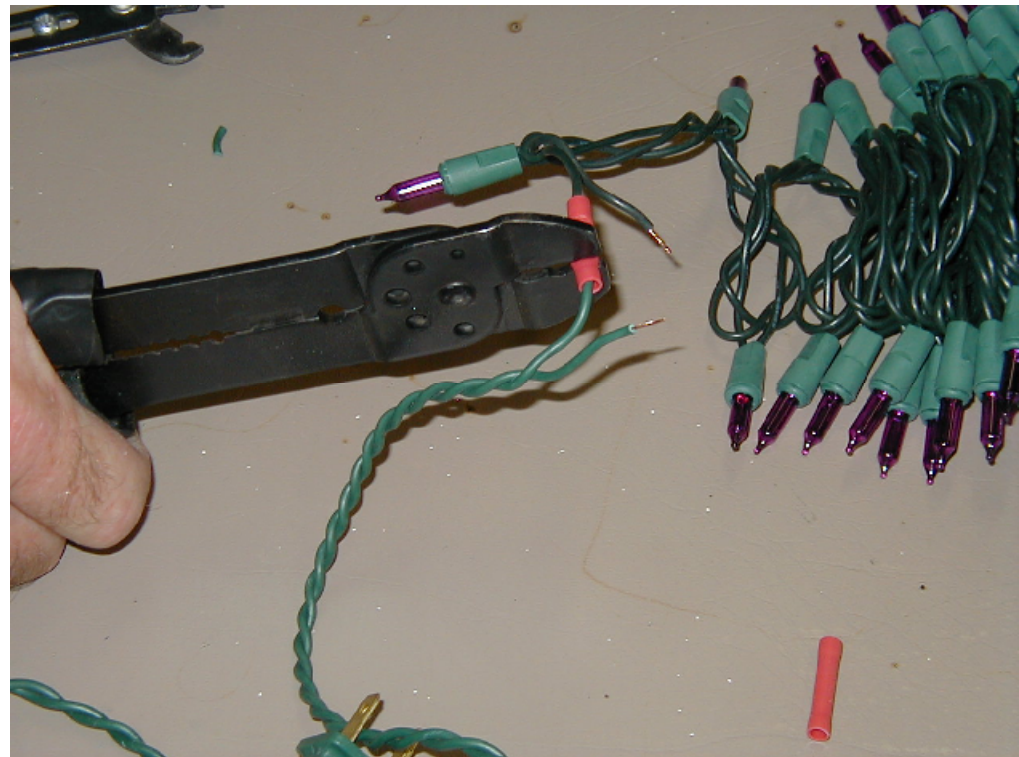
- Light Strings can be spliced with a few simple tools and parts:



# Mini Lights



- Butt Connectors provide a strong reliable connection.





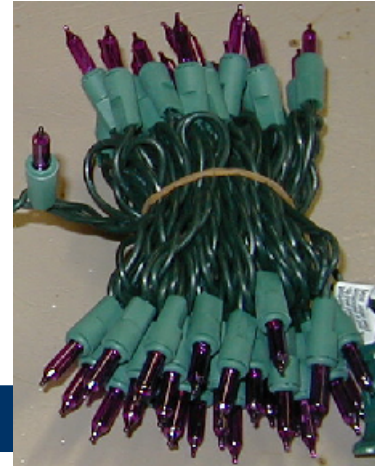
# Mini Lights



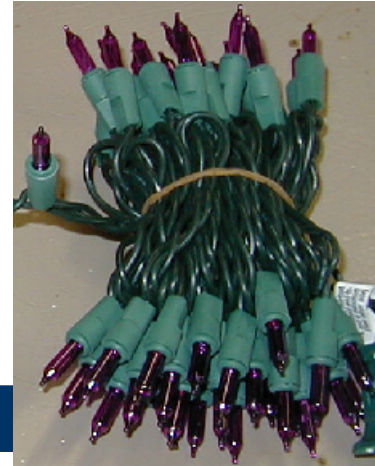
- Seal any unused wires to prevent electrical hazards.



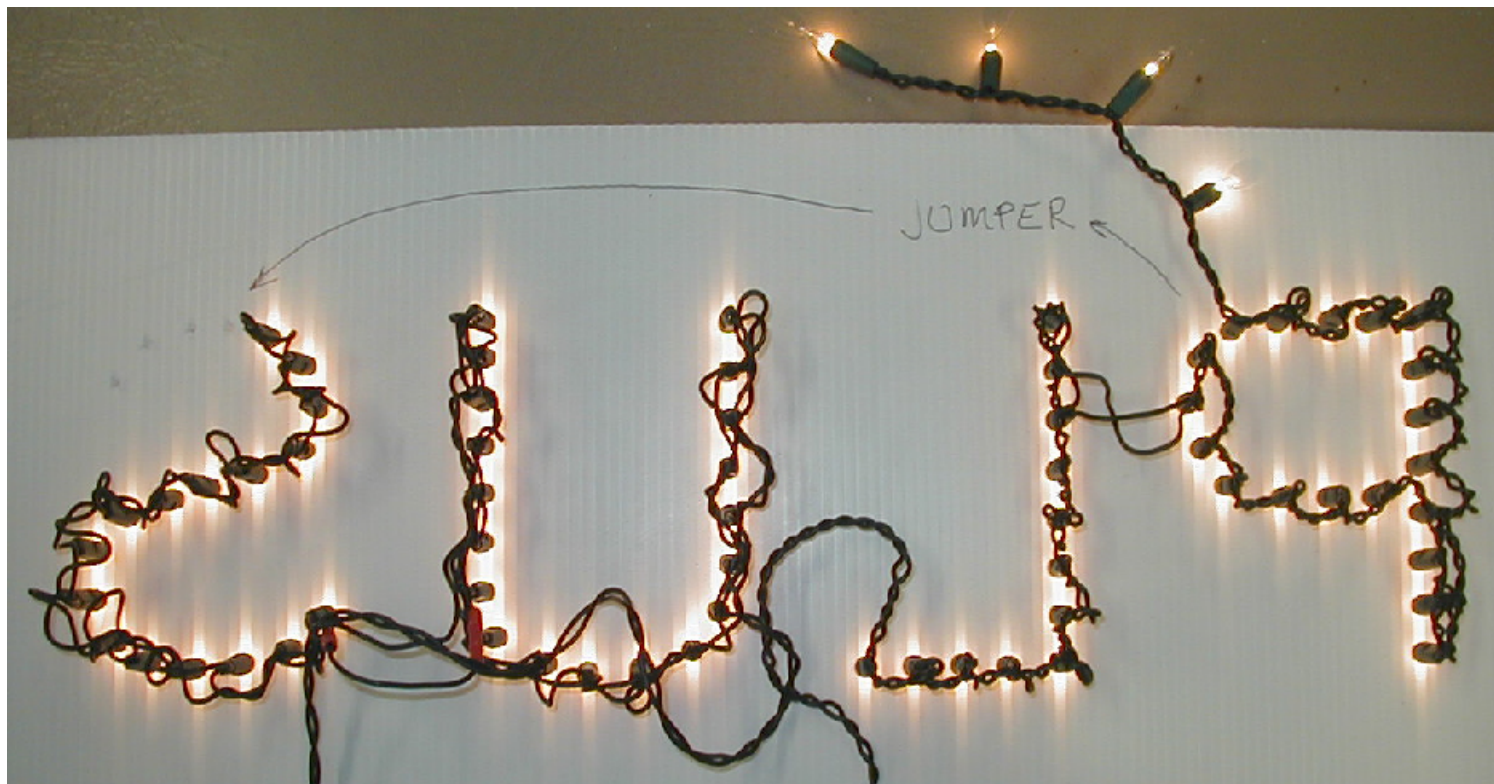
# Mini Lights



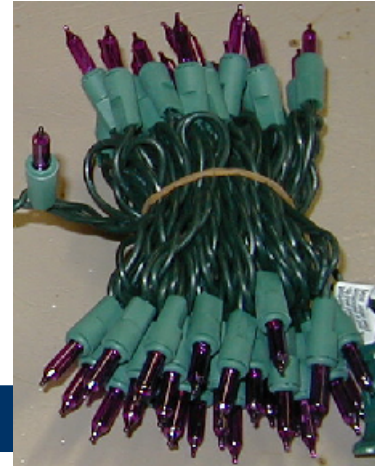
# Mini Lights



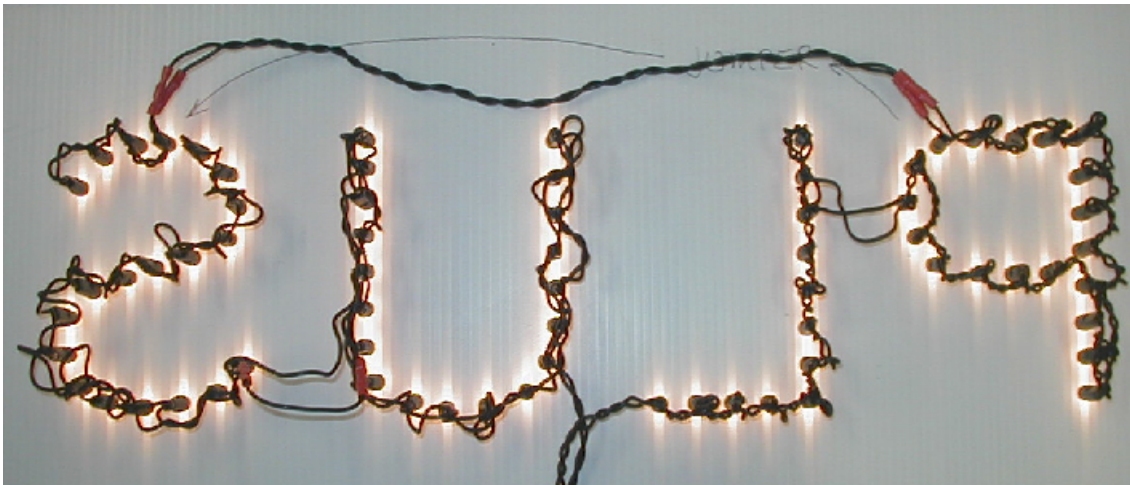
- Jumpers: How to span distances.



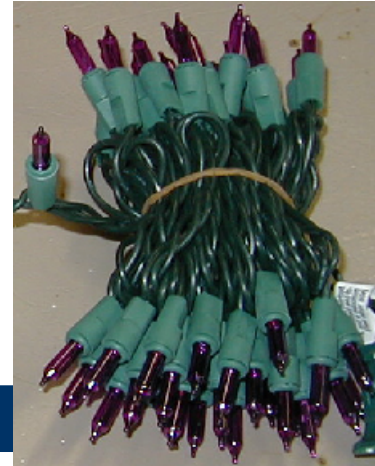
# Mini Lights



- Jumpers: How to span distances.
  - Cut and splice in wires.
  - Make sure you don't cross wires when splicing.



# Mini Lights



- Jumpers: How to span distances.
  - Some spans can be made by cutting the short wire between bulbs, untwisting the remaining wire(s), and splicing in a single jumper.



## C7 and C9 Bulbs



- Use a drill and a “Speed Bit” to make holes for the bulbs.
- C7: use a 5/8 inch hole.
- C9: use a 3/4 inch hole.
- Attach by inserting the bulb through the hole from the front and screwing into the socket.



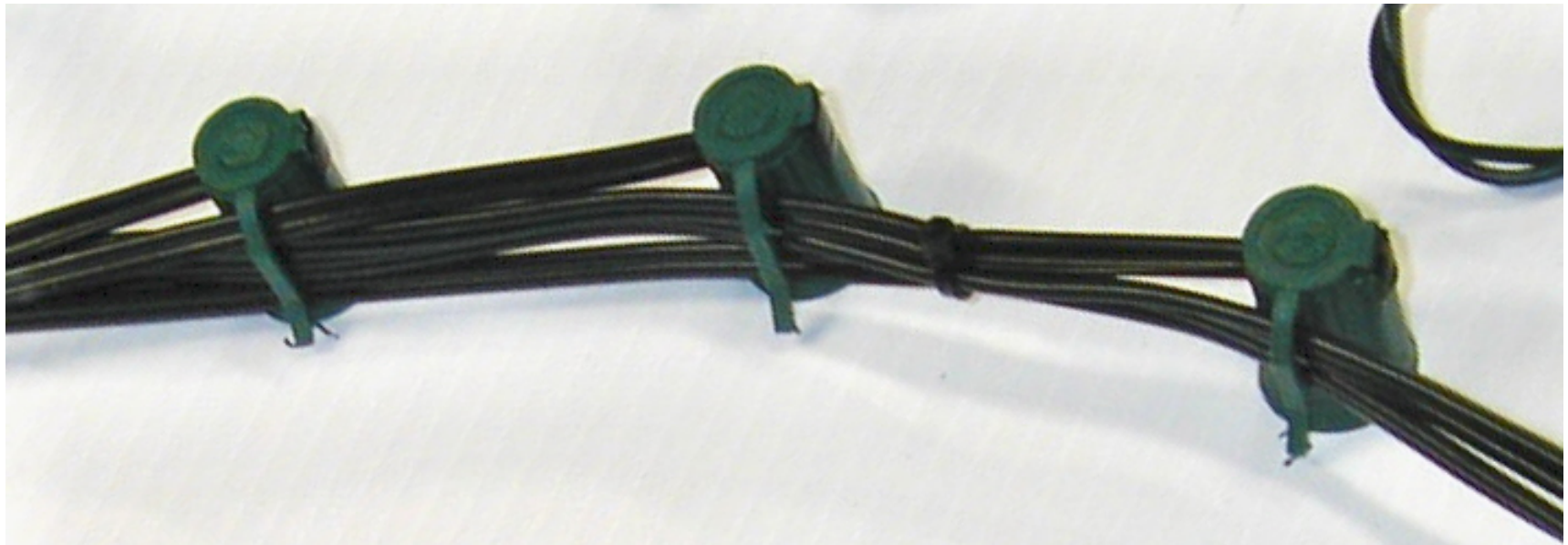
# C7 and C9 Bulbs



- PARTS:
  - SPT "Zip" Wire
  - Sockets
  - "Vampire" Plugs



# C7 and C9 Bulbs





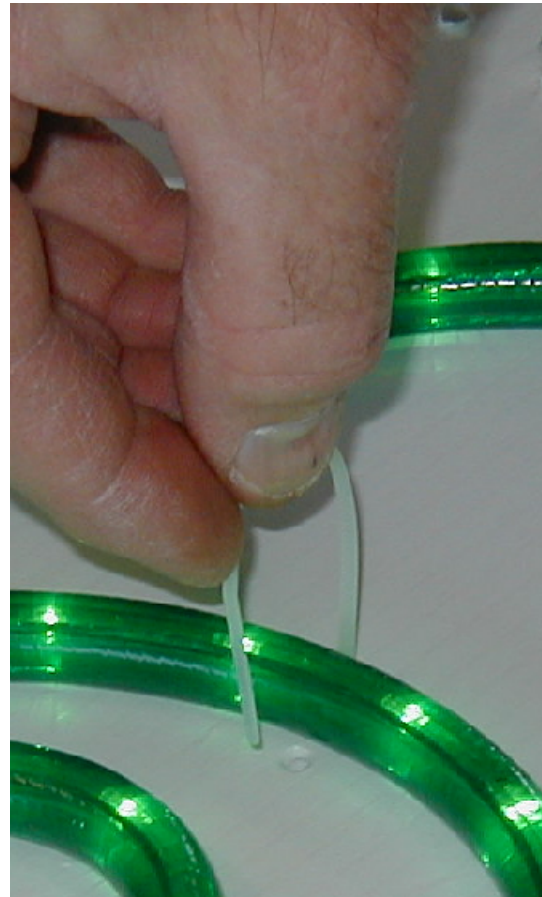
# Ropelight

- Position the rope where you want it and punch holes through the Coro on both sides of the rope.



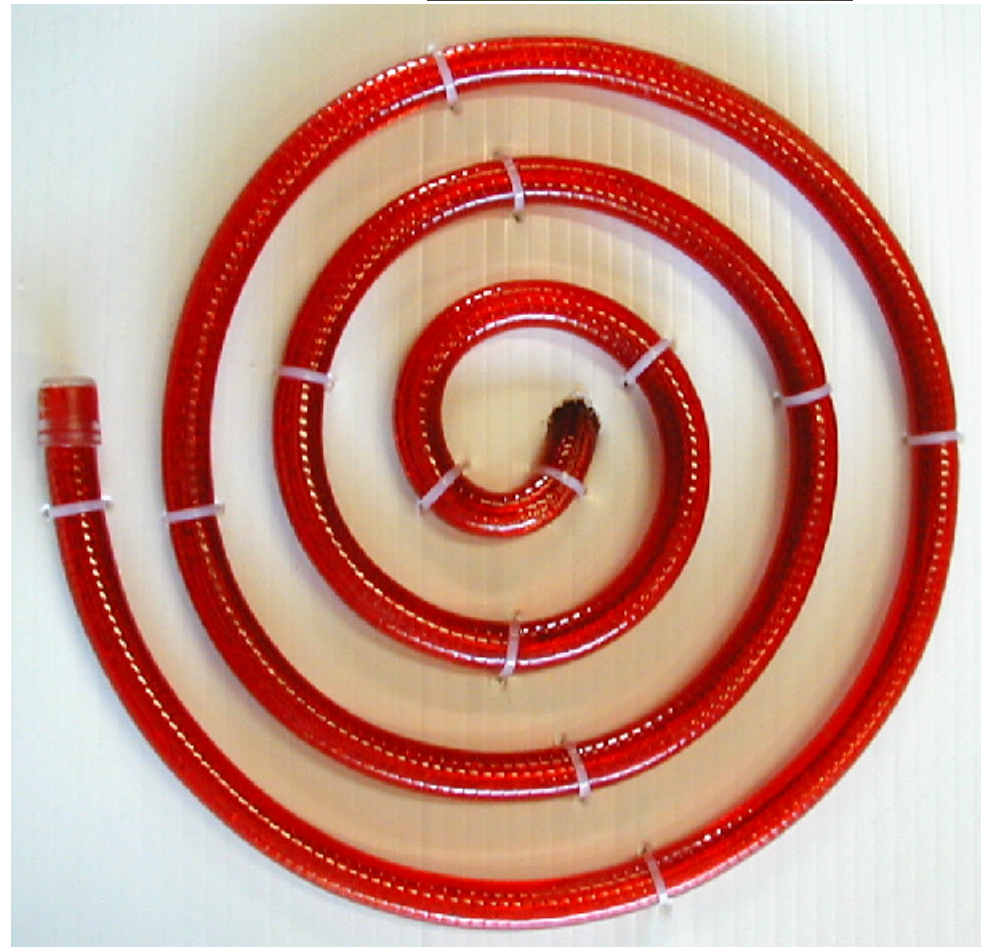
# Ropelight

- Attach the rope to the Coro with zip ties.



# Ropelight

- The buckles of the zip ties are out of site on the back side of the coro.



# Reflective Lighting Methods

- Flood Lights
- Black Lights



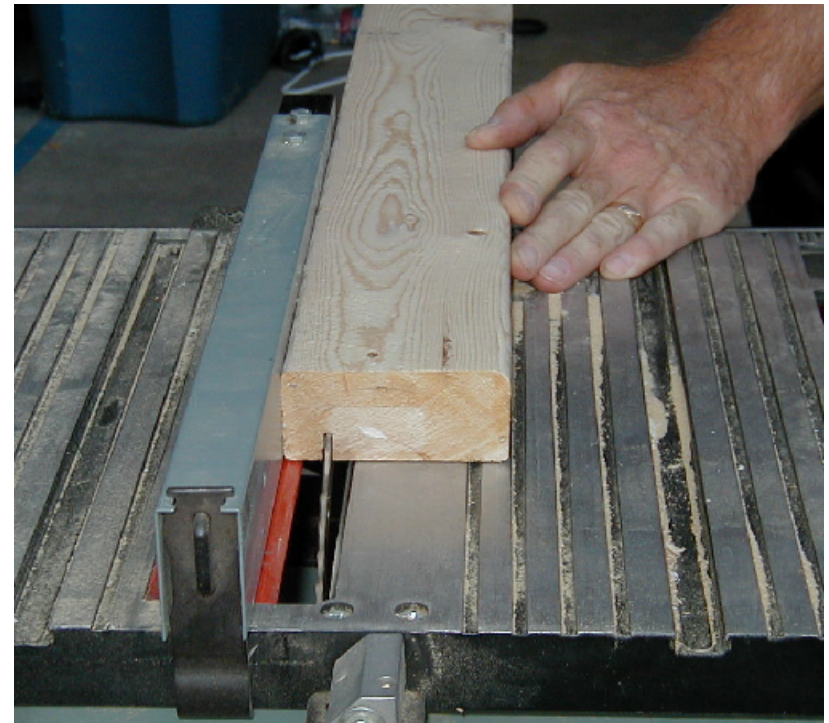
# Frames and Supports

- Metal Studs
  - Easy to cut with tin snips.
  - Assemble the frame by overlapping the corners and connecting with self-tapping screws.
  - Attach the Coro to the frame with self-tapping screws.



# Frames and Supports

- Recessed 2x4 Wood Frames:
  - Cut a 3/16" groove with a table saw or router.



# Frames and Supports

- Recessed 2x4 Wood Frames:
  - Cut each leg of the frame using miter cuts.
  - Insert the Coro and assemble the frame.



# Frames and Supports



- Other Wood Frames
  - Simple wood frame.
  - Coro is face mounted to the frame with screws or tacks.





# Frames and Supports

- Other Wood Frames
  - Simple wood support.
  - Coro is face mounted to the supports with screws or tacks.



# Frames and Supports

- Welded Steel Frames



# Frames and Supports

- Displays can be attached by screwing through the frame, or hanging on hooks.



# Frames and Supports



- Large displays can be supported with angled braces staked into the ground.



# Frames and Supports



- Roof Supports can be held in place with sandbags.



# Painting Coro

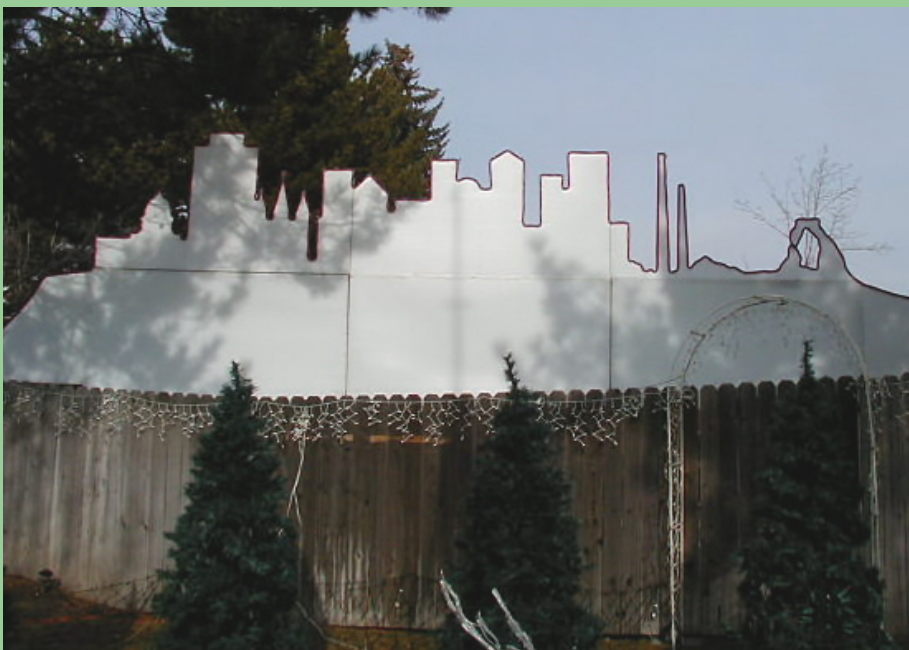


# 3D Shapes

- Fold similar to origami.
- Cut or score one side of the Coro to create a fold line.



# Working With Coroplast



Questions?