

# Instruction manual

Island and Canopy Assembly and Installation





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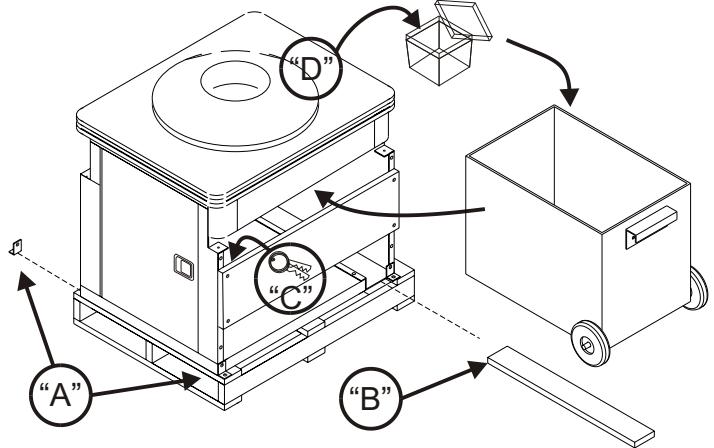


# UNPACKING INSTRUCTIONS

## ISLAND BASE PACKS:

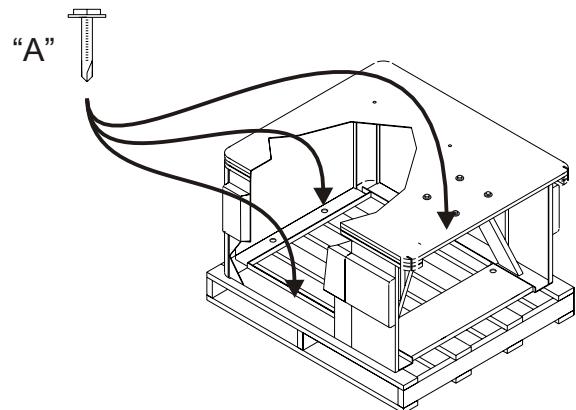
### TRASH MODULE PALLET (1):

Locate the pallet marked "TRASH MODULE". Remove the cardboard cover. Remove the two retaining brackets from the module and pallet (marked "A" in drawing, right). Remove the wood retaining strip (marked "B" in drawing, right). Remove the module from the packing. The TRASH DOOR KEYS are tied to the inside of the module trash door frame, adjacent to the lock. (See keys, "C", item on drawing to right.) Open the door and remove the TRASH CONTAINER and save the plastic box containing the FASTENERS("D"). A list of the fasteners is



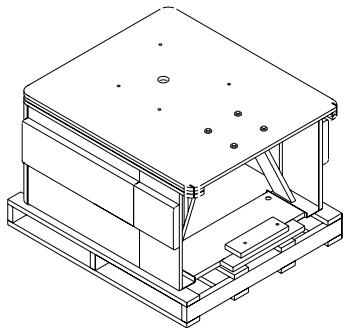
### VACUUM MODULE PALLETS (2):

Locate the pallet marked "VACUUM MODULE". Remove the cardboard cover. Remove the three 10-24 TEK SCREWS from the interior of the VACUUM MODULE and pallet (marked "A" in drawing, right). Remove the wood retaining strip from each pallet (marked "B" in drawing, right). Remove the module from the packing.

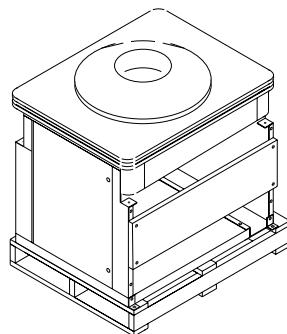


## Island Hardware

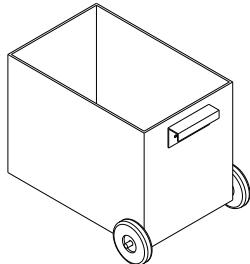
2 Vac  
Modules



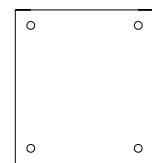
1 Trash  
Module



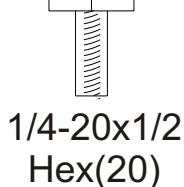
1 Trash Cart



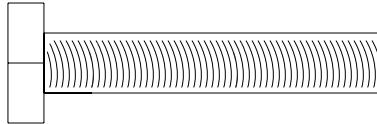
#10-24 x 2  
Threaded Rod



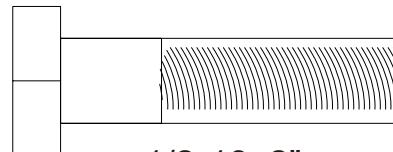
2 S.S. Plates  
For Poles



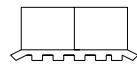
1/4-20x1/2  
Hex(20)



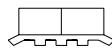
3/8-16x1 3/4"  
Bolt (8)



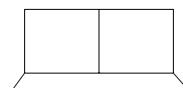
1/2-13x2"  
Bolt (8)



3/8-16  
Hex Sems (8)



1/4-20  
Hex Sems (20)



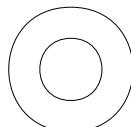
1/2" Flange Nut (8)



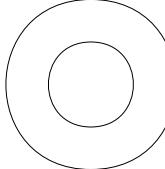
#10-24  
Hex Sems (4)



#10 Flat Washer  
(4)



3/8 Flat Washer  
(16)



1/2" Flat Washer(16)



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## Tools needed

### Electric Tools

- 1 *Electric Drill With 5/16 Socket Bit*
- 1 *Cement Drill For Anchors*

### Hand-Held Tools

- 1 *Philips Screw Driver*
- 2 *7/16-Wrenches*
- 2 *9/16-Wrenches*
- 2 *3/4-Wrenches*
- 1 *Ratchet With 7/16,9/16,3/4,5/16, all Deep Well Sockets*
- 2 *Vice Grips*
- 1 *Level*
- 1 *Pry Bar*
- 1 *8' Ladder*
- 1 *Chalk line*



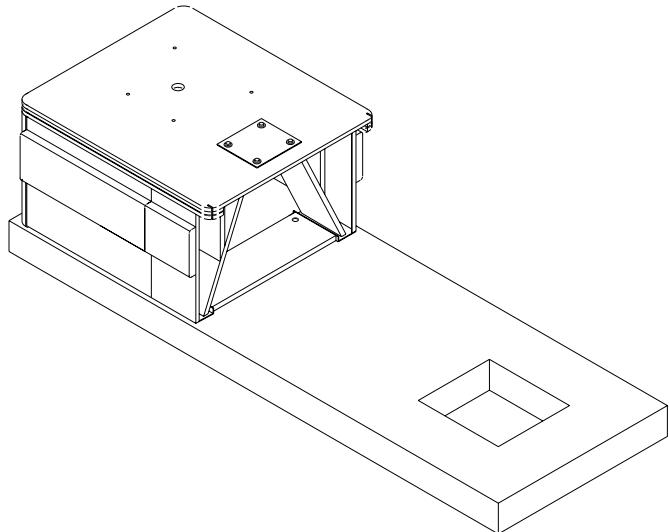
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# ISLAND ASSEMBLY, section one

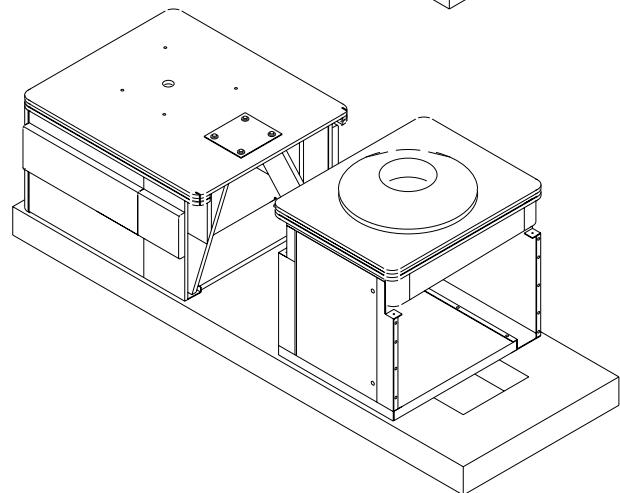
## STEP ONE:

Locate the "VACUUM MODULE" at the proper spot on the footing or surface. Typically this is at one end of this area. Do not level the individual modules at this time but wait until after they are attached together. Be sure that the unit is parallel to the edges of the footing, etc. No anchors are required at this point.



## STEP TWO:

Slide the "TRASH MODULE" into position with the previously situated VACUUM MODULE. The VACUUM MODULE top has 1/4" by 3/4" slots in the top surface to accept the sides of the trash module. The riser panel of the TRASH MODULE is elevated to accept the tab between the slots of the VACUUM MODULE top. See illustration to left. Consider which direction that you wish to face the TRASH MODULE door opening.



## STEP THREE:

Once the TRASH MODULE is in close position to the VACUUM MODULE, open the trash access door and begin alignment and clamping of the sections.. An awl or small Phillips screw driver will serve well as a tool to align the fastener holes prior to clamping. Use locking vise type clamps to tightly secure the two modules. A flat pry bar inserted under the module base allows for vertical and horizontal movement.. After the two sections are aligned and clamped, insert and hand tighten 1/4 -20 HEX Cap Screws with 1/4 SEMS Locknuts at five locations on each side.

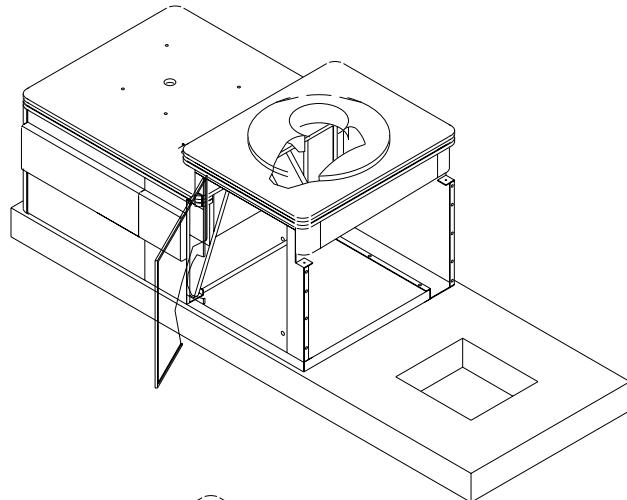


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## ISLAND ASSEMBLY, section two

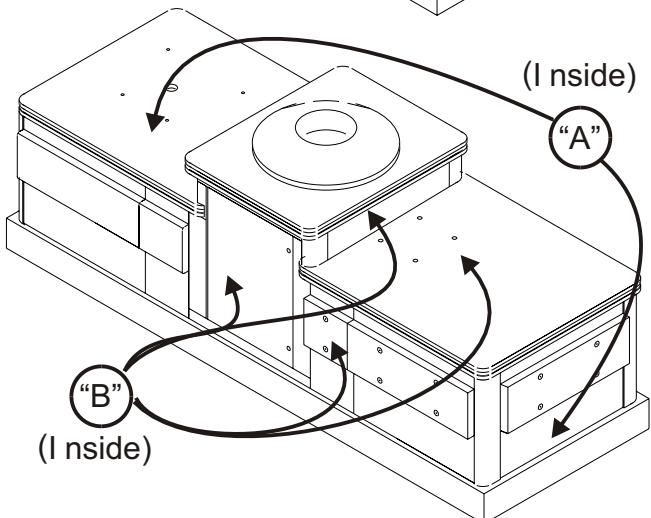
### STEP FOUR:

Align the side panel of the "VACUUM MODULE" and the "TRASH MODULE". Tighten the fasteners inserted in the previous step. Do not anchor at this time.



### STEP FIVE:

Slide the "TRASH MODULE" into position with the previously situated VACUUM MODULE. The VACUUM MODULE top has 1/4" by 3/4" slots in the top surface to accept the sides of the trash module. The riser panel of the TRASH MODULE is elevated to accept the tab between the slots of the VACUUM MODULE top. See illustration to left. Consider which direction that you wish to face the TRASH MODULE door opening.



### STEP THREE:

Level and shim the ISLAND BASE UNIT as necessary. Place a carpenter's level on the unit top surface. Use a flat pry bar (careful) to lift the entire unit as necessary to place shim under the module section sides. There is a 4" flat flange at the base of each panel section to accommodate this. 1/4" Poly sheet stock makes an excellent shim material. Contact the factory if you are unable to obtain this or suitable substitute locally. Anchor the entire unit at this time by drilling a placing the proper expansion anchors at 6 places as shown in the drawing. Two special brackets are provided for your use in attaching the anchors to the end panels (A) of the VACUUM MODULES. The other anchors are to be located at the holes provided in the POLE MODULE SECTIONS, as shown (B).



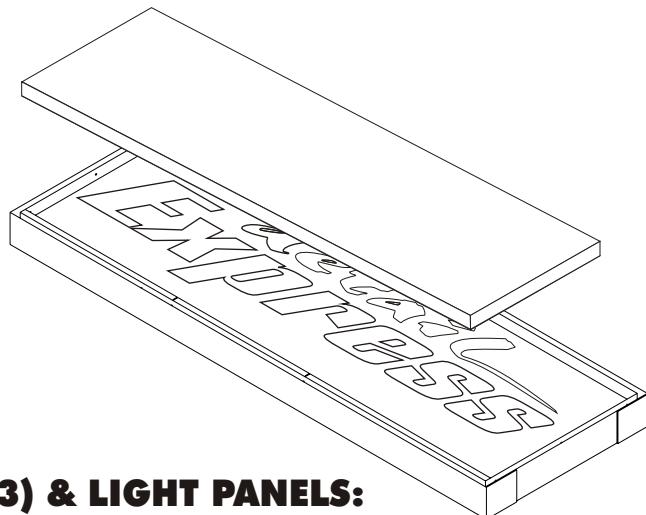


# UNPACKING INSTRUCTIONS (cont.)

## CANOPY PACKS:

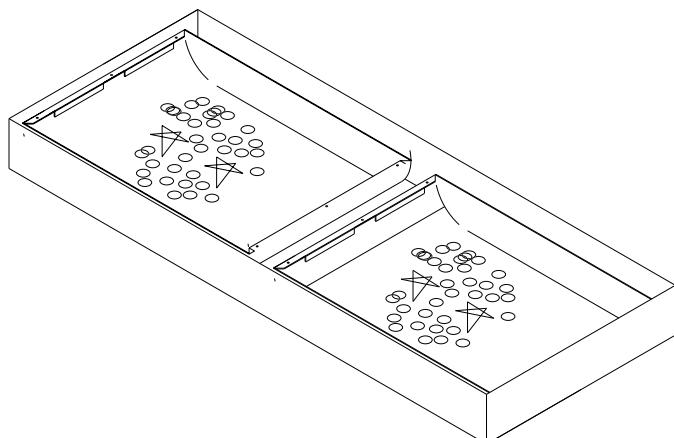
### CANOPY SIDE CARTONS (2):

Locate the carton marked "CANOPY SIDES". Remove the cardboard cover. Carefully remove the two CANOPY SIDES and place on the packing to prevent scuffing or damage.



### CANOPY END PANELS(2), TOP SECTIONS (3) & LIGHT PANELS:

Locate the carton marked "CANOPY END". Remove the cardboard cover. Remove the TWO CANOPY ENDS, THREE TOP SECTIONS, and THREE LIGHT PANELS. Place these items on the packing material to avoid damage.

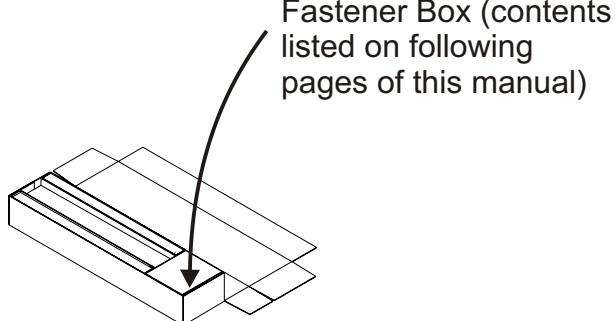


### CANOPY POLE CARTON:

Locate the carton marked "POLES". Remove the carton and foam packing. Remove the TWO CANOPY POLES & TWO POLE EXTENSIONS. Place these items on the packing material to avoid damage. No illustration.

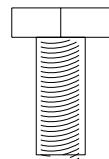
### CANOPY BRACKET CARTON:

Locate the carton marked "BRACKETS". This carton contains (2) LOWER CANOPY SIDE BRACKETS, (2) UPPER CANOPY SIDE BRACKETS, (1) LAMP BRACKET & FASTENERS.

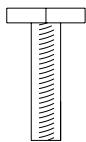


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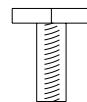
## CANOPY HARDWARE



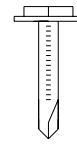
3/8-16x3/4  
Hex(12)



1/4-20x3/4  
Hex(4)



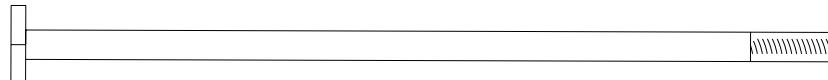
1/4-20x1/2  
Hex(16)



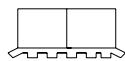
10-16x3/4  
Tek(28)



1/4-20x7  
Threaded Rod  
(8)



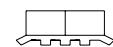
1/4-20x51/2  
Hex (4)



3/8-16  
Hex Sems (12)



1/4 Flat  
(64)

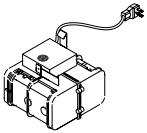


1/4-20  
Hex Sems (36)

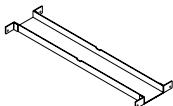


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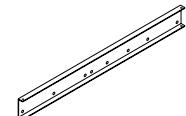
## CANOPY HARDWARE



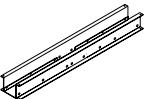
Light Fixture  
(1)



Light Support  
Bracket (1)



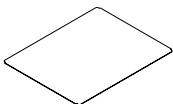
Canopy Top Support  
Brackett(2)



Canopy Bottom  
Support Brackett  
(2)

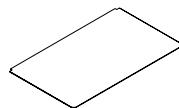


Center Roof Panel (1)

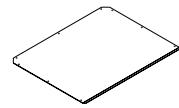


Center Lexan Panel (1) 25' Roof Seal (1  
Roll)

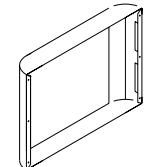
End Lexan  
Panels (2)



End Roof Panels  
(2)



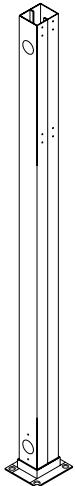
Endcap to  
canopy (2)



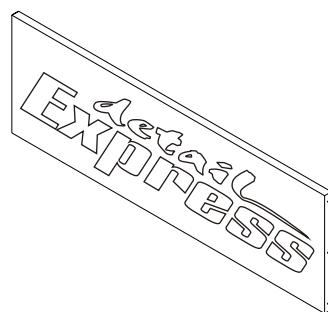
Light Bulb (1)



Post  
Stainless (2)



Pole



Long  
Sides to  
Canopy



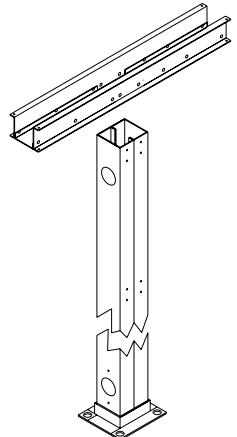
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## POLE ASSEMBLY

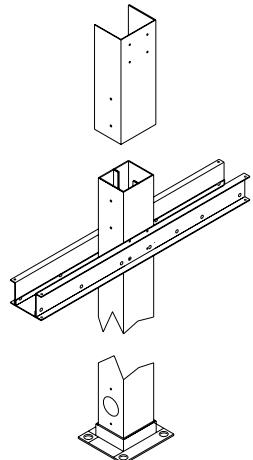
### STEP ONE:

Two POLE ASSEMBLIES, two LOWER CANOPY SUPPORT BRACKETS, and two POLE EXTENSIONS are required at this point. Begin by sliding the LOWER CANOPY SUPPORT BRACKETS OVER the POLE ASSEMBLIES as shown in the illustration "A" to the right. Note that the open end of the support bracket assembly faces to the top of the pole. Fasten these bracket assemblies to the pole with four (4)  $\frac{1}{4}$  -20 by  $5\frac{1}{2}$  HEX Cap Screws. Place a  $\frac{1}{4}$  flat washer under the head of each screw and fasten these through bolts with  $\frac{1}{4}$  SEMS Lock Nuts. Finger tighten only at this point.



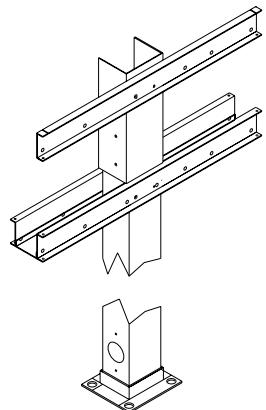
### STEP TWO:

At this time note that the POLE ASSEMBLIES each have an access panel 5" by  $3\frac{1}{2}$ " located at the bottom of the pole. You may wish to orient both of these panels to face in the same direction as the trash clean out door to create a "service side" to the island. To accomplish it is necessary to attach the next item, the POLE EXTENSIONS facing in opposite directions relative to the POLE ASSEMBLIES. These POLE EXTENSIONS are U-shaped channels which must face to the outer ends of the island. They are through bolted to the POLE ASSEMBLIES by two  $\frac{1}{4}$  - 20 x  $7\frac{1}{2}$  HEX Cap Screws ( $\frac{1}{4}$  washer under each head) and fastened with  $\frac{1}{4}$  SEMS Lock Nuts. See illustration "B". Finger tighten all fasteners only at this time.



### STEP THREE:

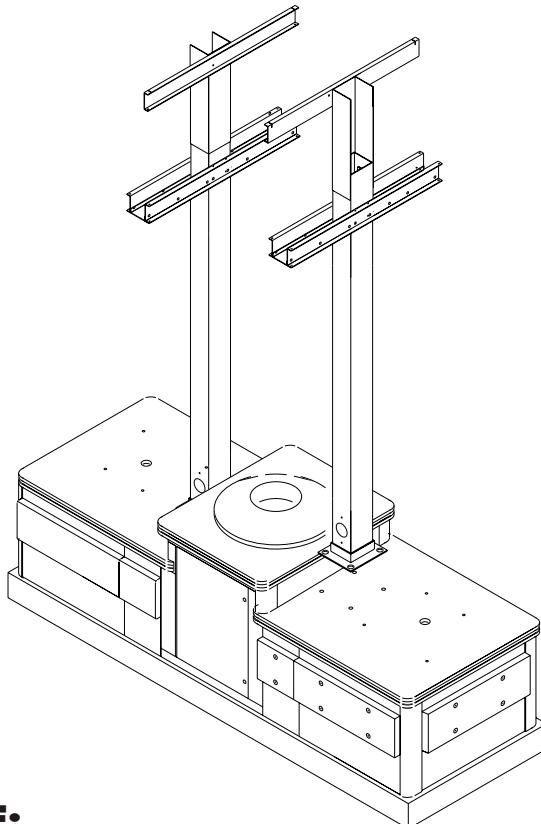
Complete the pole assembly by adding the UPPER CANOPY SUPPORT BRACKETS. If you wish to orient the wire service panels to face in the same direction as discussed in the previous section be sure that the POLE EXTENSIONS are facing different directions before proceeding. The UPPER CANOPY SUPPORT BRACKETS are fastened to the POLE EXTENSIONS with four  $\frac{1}{4}$  - 20 by  $\frac{1}{2}$  HEX Cap Screws ( $\frac{1}{4}$  washer under each head) and secured (finger tighten only) with  $\frac{1}{4}$  SEMS Lock Nuts. Note: The UPPER CANOPY SUPPORT BRACKETS are notched on one side. This flange must face upward to accept the notches in the CANOPY SIDE PANELS. These UPPER CANOPY SUPPORT BRACKETS must face toward the inside of the island (each other) when the POLE ASSEMBLY is installed on the island



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## INSTALLING POSTS - ISLAND



### PLACEMENT PROCEDURE:

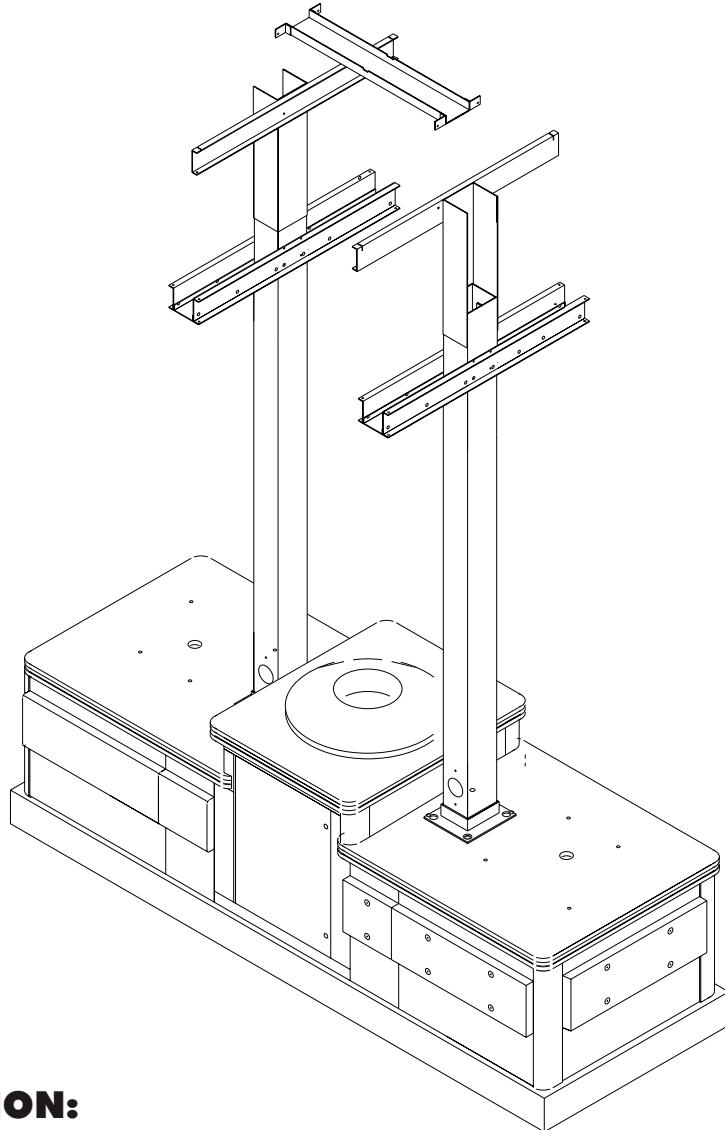
Get additional personnel to help with this part of the project. One person standing on the island surface will guide the placement of the posts, one or more persons will be required to lift and position the posts and an additional person will be necessary to complete the fastening of the posts from within the island. Locate and prepare the fasteners before placement of the posts. Four (4)  $\frac{1}{2}$  - 13 by 2" HEX Cap screws ( $\frac{1}{2}$  washer under each head) are required for each post. Use anti-seize compound provided on the threads to prevent cold-welding the threads during tightening. The person inside the island will need  $4 \frac{1}{2}$  washer and  $4 \frac{1}{2}$  Hex Nuts for each post. Lift and position the POST ASSEMBLIES onto the ISLAND top surface. Be careful not to drag the POST FLANGES across the surface or edges of the ISLAND TOP SURFACE to avoid scratches. The person standing on the ISLAND surface should guide the post as other(s) lift and locate the post. Remember that the open side of the upper flanges must face and be located on the inboard side of each post. While the person on the island holds the post in position, through bolt the post flange to the island base from inside the island with  $\frac{1}{2}$  washers (one per screw) and  $\frac{1}{2}$  Hex Nuts. Slowly finger tighten only at this time.



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## INSTALLING LIGHT BRACKET



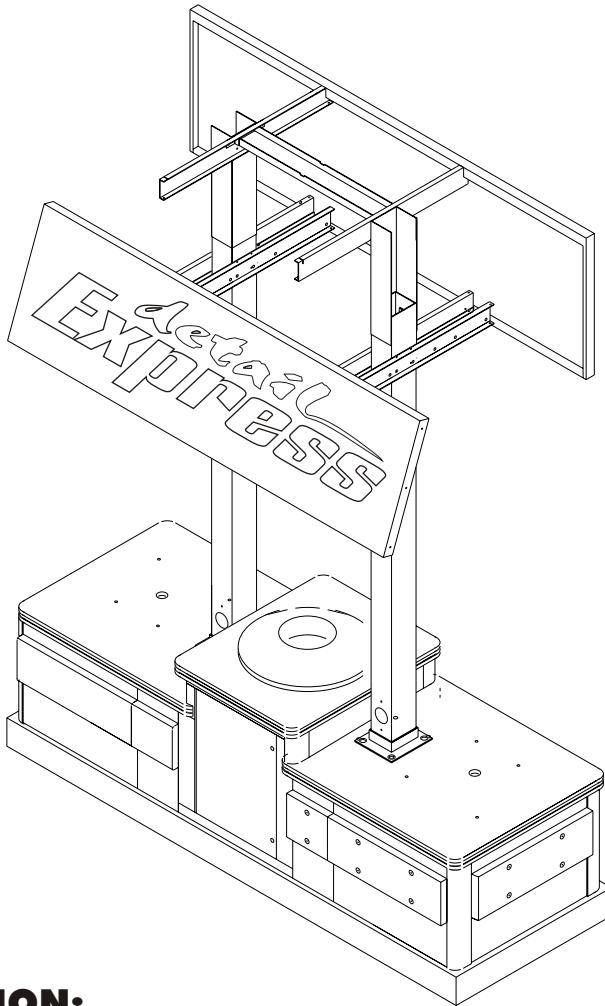
### BRACKET INSTALLATION:

After the **POST ASSEMBLIES** are fastened in place, install the **LIGHT BRACKET** between the tops of the **POST ASSEMBLIES**. Use four  $\frac{1}{4}$  -20 Hex Cap Screws ( $\frac{1}{4}$  washer under each head) for each side of the bracket. Note that the open side of the U-shaped bracket faces upward and has a slight notch on each side flange to locate the **LAMP RETAINING ARM BRACKETS**. Secure the eight screws (4 each side) with  $\frac{1}{4}$  SEMS Lock Nuts. Finger tighten only at this time.





# INSTALLING CANOPY SIDE PANELS



## SIDE PANEL INSTALLATION:

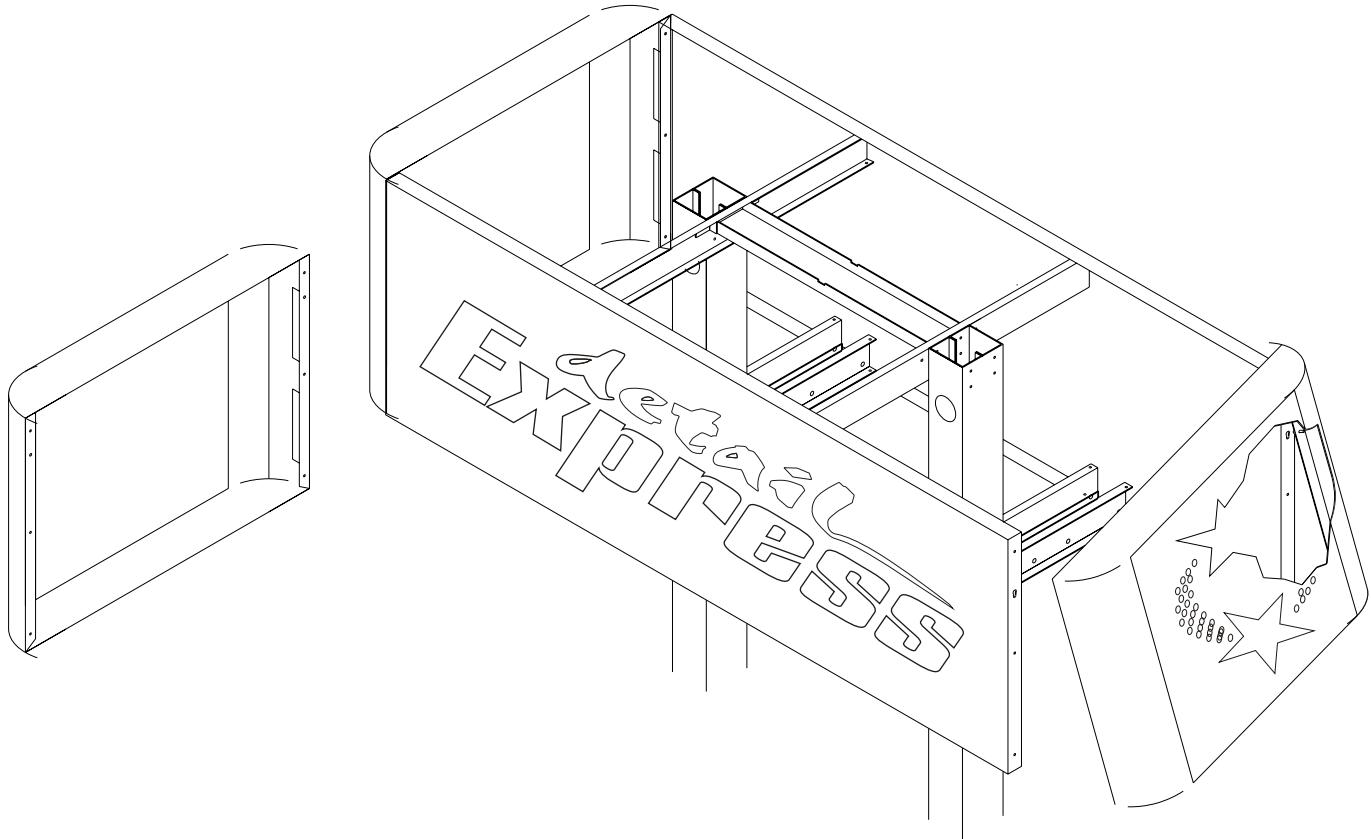
The top edge of the CANOPY SIDE PANELS have notches design to interlock with the notches in the outer ends of the UPPER CANOPY SUPPORT ARMS. It is easiest to place these components together by tilting the upper edge of the side panel toward the upper brackets while keeping the lower edge clear of the LOWER SUPPORT BRACKET until the notches have be engaged. With the help of at least one assistant and using a suitable step ladder, lift and hang the top edge of the CANOPY SIDE PANELS on the UPPER CANOPY SUPPORT ARMS. The only fasteners required are four  $\frac{1}{4}$  - 20 HEX Cap screws inserted into the bottom edge of the CANOPY SIDE PANELS and through the corresponding holes in the LOWER CANOPY SUPPORT BRACKETS. Secure with  $\frac{1}{4}$  SEMS Lock Nuts. Finger tighten only at this time.



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# INSTALLING CANOPY END PANELS



## PANEL INSTALLATION:

Prepare the CANOPY END PANELS by inserting the #10 TEK screws into the small holes near the top of the flange in each side of each end of the CANOPY END PANELS. Do not tighten these screws but leave a distance between the head of the screws and the panel flange of about 3/16". This will allow the TEK screw head to easily fit into the special holes in the CANOPY SIDE PANELS during the positioning process. After the TEK screws have been inserted lift the panels with the aid of an assistant and hook one TEK screw into the special hole in the CANOPY SIDE PANEL end flange. Carefully swing the other end of the END PANEL upward to engage the remaining TEK screw into the special hole on the opposite SIDE PANEL. Complete the END PANEL attachment with three 3/8 -16 HEX Cap screws and 3/8 SEMS Lock Nuts. Finger tighten only until the last END PANEL is in place and panel alignment is as desired. Now re-tighten all previously finger tightened fasteners: POST flanges, CANOPY SUPPORT BRACKETS (Lower and Upper), LAMP BRACKET, & CANOPY SIDE



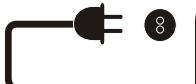


## INSTALLING LIGHT

### IMPORTANT SAFETY INSTRUCTIONS. READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE.

**DANGER**

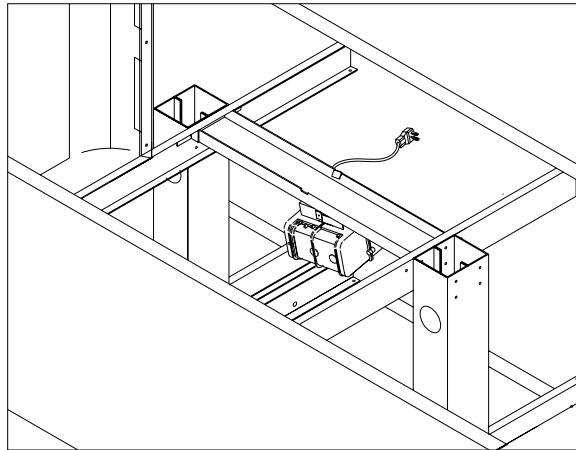
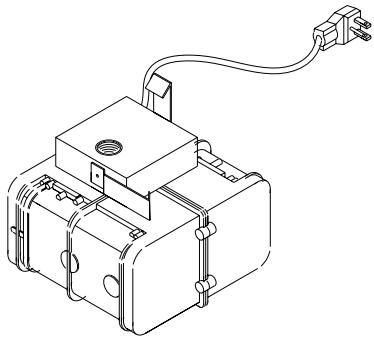
ELECTRICAL HAZARD



DISCONNECT POWER

CAUTION ELECTRICAL SHOCK HAZARD. DISCONNECT POWER PRIOR TO BEGINNING ANY SERVICE OR INSTALLATION WORK. GET ASSISTANCE IF YOU ARE UNSURE OF THESE PROCEDURES.

Connect to electrical service. This unit uses 400 Watt bulbs (one). It can be wired for various voltages. It should be connected to adequate protected circuit service. Check local codes and requirements and refer to "IMPORTANT SAFETY INSTRUCTIONS"



#### **LIGHT BALLAST & BULB INSTALLATION:**

Prepare the **LIGHT BALLAST** by rotating the two bracket tabs connected to the ballast 90 degrees to a vertical position. Hook one end of one of the tabs into the notch in the center of the **LAMP SUPPORT BRACKET** attached to the top of the **CANOPY SUPPORT POSTS** as installed per instructions on Page 10 of this manual. Slightly flex the other tab over the outside opposite edge of the **LAMP SUPPORT BRACKET** until the second hook 'clicks' into place. The **LAMP BALLAST** is now secure. Feed the power wires along the **LAMP SUPPORT BRACKET** and down the **CANOPY SUPPORT POST** to the junction area adjacent to the wiring access cover. Make the necessary



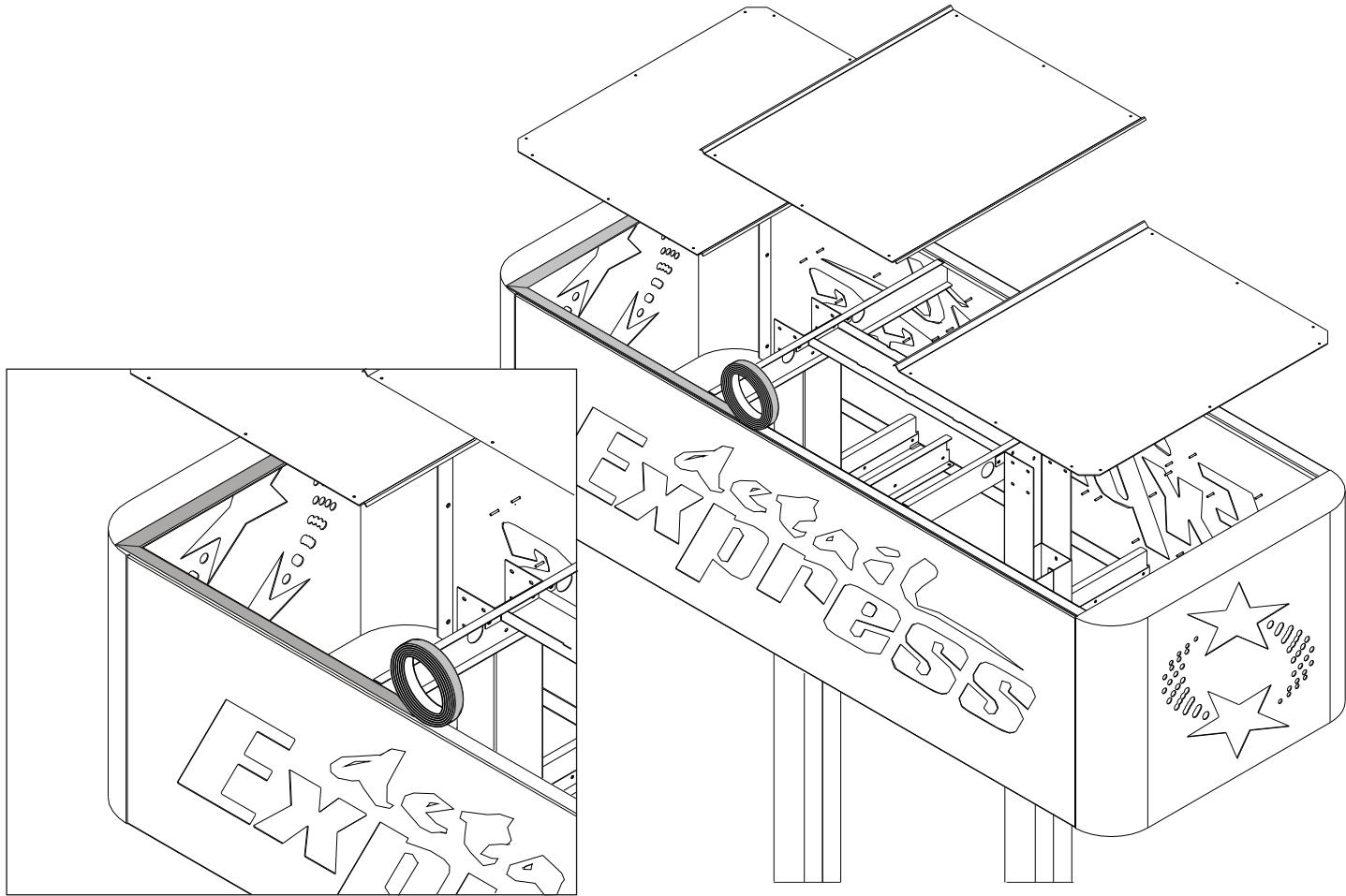
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# INSTALLING CANOPY ROOF PANELS



## ROOF PANEL INSTALLATION:

Prepare the canopy for installation of the roof panels by placing the foam sealant (supplied rolled) around the inner border of the top edge of the canopy side and end panels. Place the CANOPY ROOF END PANELS on the foam material. The formed end (ridged) of the CANOPY END PANELS should approximately align with the UPPER CANOPY SUPPORT BRACKET. Place the CANOPY ROOF CENTER PANEL on top of the two end roof panels so that the ridges interlock. Adjust the position of the three panels for best fit and seal. Use the #10 TEK screws provided to secure the roof panels to the canopy assembly locating the screw position with the pre-drilled holes in the roof panels. The canopy side and end panels are not pre-drilled as the TEK screws will self drill and tap the aluminum canopy material. Caulk the ends of the ridged seam interlocks if necessary.

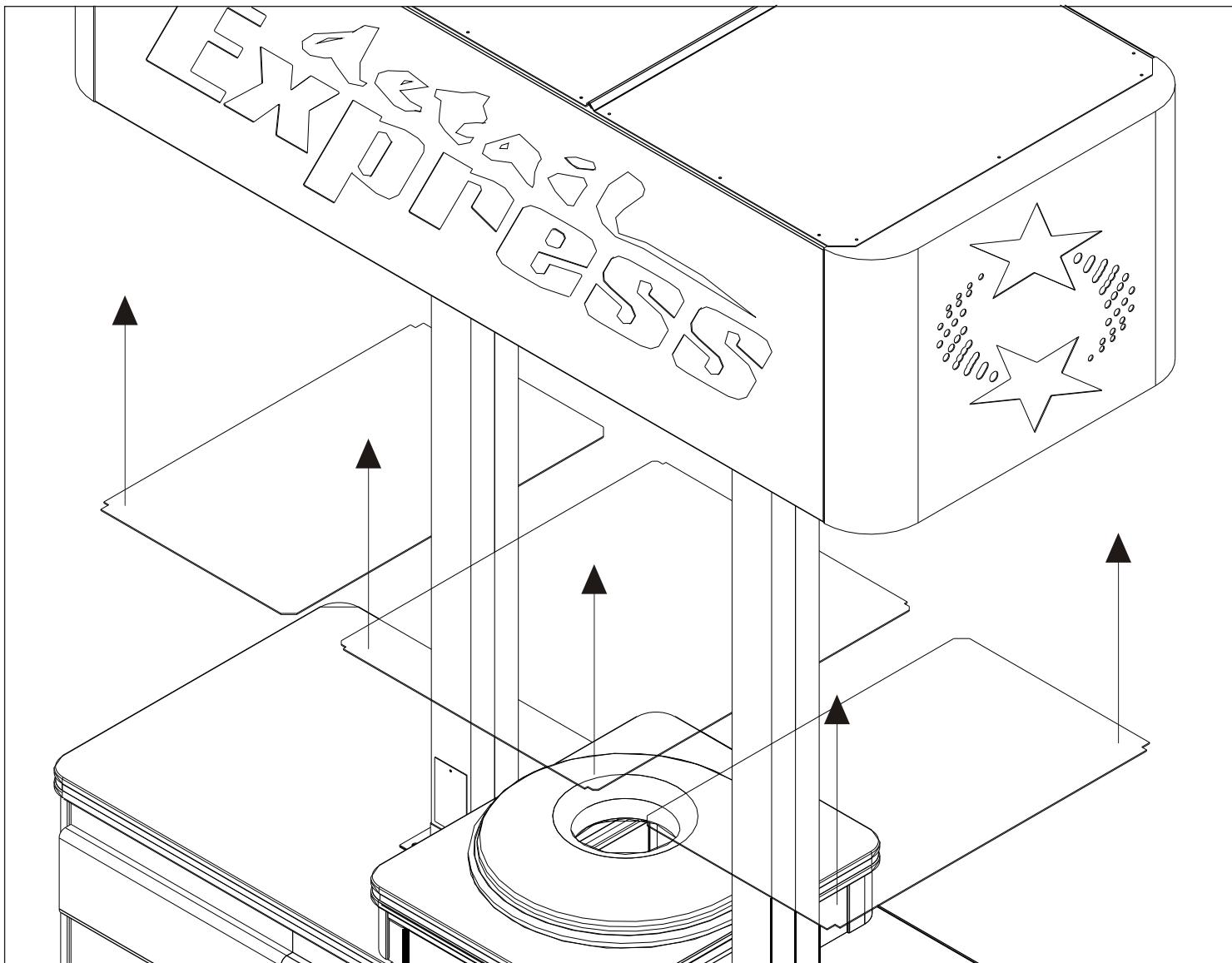


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## INSTALLING CANOPY LIGHT PANELS



### LIGHT PANEL INSTALLATION:

Insert the three Lexan ® light panels into the bottom openings of the canopy. Note that the end panels are installed with the chamfered ends toward the center of the canopy and the notched ends are placed at the outside ends of the canopy. Tilt the panels to clear the openings and flex the material (bowed upward) to fit in place.

