OASIS IMAGE

RETROFIT
COLUMN
CLADDING

Installation Guide

For removal and replacement of cladding panels and trim on previously clad columns

Table of contents

Fuel Island Example

Question? 1-800-634-8471
8:30am - 5:00pm EST, Monday-Friday

Column Cladding with Standard Brackets

Item	Qty	Part Number 18" Dia.	20" Dia.	24" Dia.	Description
1*	14	P-10474-MFB	P-10474-MFB	P-10474-MFB	Standard "U" bracket
2*	28	P-10475-MFB	P-10475-MFB	P-10475-MFB	Bracket extension plate
3*	28	H-11036D	H-11036D	H-11036D	#12 x 1¼" TEK screw
4*	56	H-11043S	H-11043S	H-11043S	#10 x ½" thread cutting screw
5*	6	D-03275-M72	D-03275-M72	D-03275-M72	72" rear cladding extrusion
6*	108	H-11042S	H-11042S	H-11042S	#10 x ½" TEK screw
7	2	BP-01477-X122F	BP-01487-X122F	BP-01488-X122F	30" panel
8*	16	H-10951X	H-10951X	H-10951X	#10 x ¾" Philips head screw
9	2	BP-01484-X148F	BP-01490-X148F	BP-01491-X148F	92" panel
10	2	SA-13180	SA-13181	SA-13182	92" panel with stripe
11	8	BP-01410-WF	BP-01413-WF	BP-01414-WF	Back-up strip
12	100	P-10843	P-10843	P-10843	Retaining pin
13	4	P-10863-X148F	P-10863-X148F	P-10863-X148F	92" trim extrusion
14	2	SA-13179	SA-13179	SA-13179	92"trim with stripe
15	4	P-11144-FX148	P-11144-FX148	P-11144-FX148	J-bracket
16	4	P-11212-MF	P-11212-MF	P-11212-MF	Back-up J-bracket
17	2	P-10877-X122F	P-10877-X122F	P-10877-X122F	30" trim extrusion
18*	2	P-11648-MFB	P-11648-MFB	P-11648-MFB	Trim cap stop
19	16	H-10030R	H-10030R	H-10030R	1/8" rivet

* Items are not included in the kit

Optional Kits

NOTE: Optional kits may be specified for this installation. Please see specific instructions in *separately ordered* option kits before proceeding with installation.

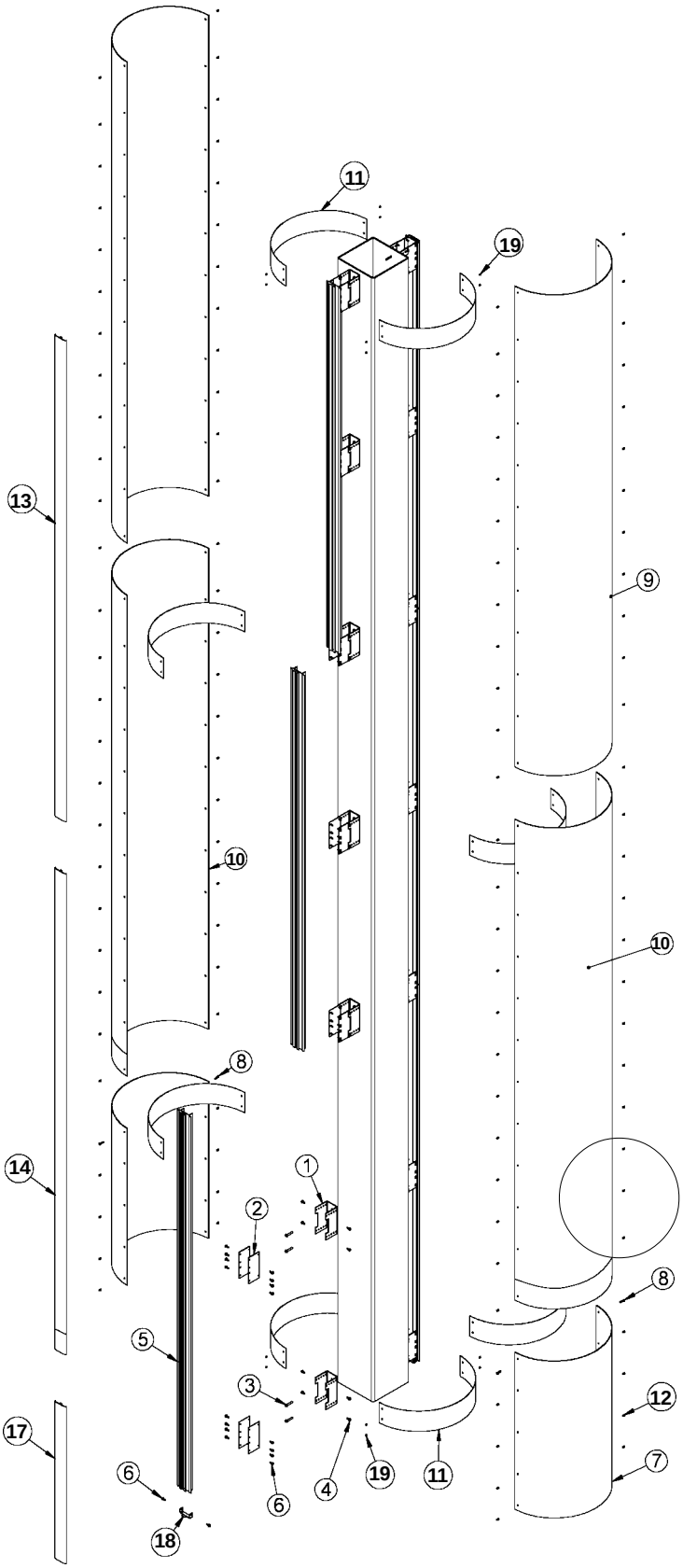
Description / Function (installation instructions included in seperate kit)	**Part Kit Number**
Intercom Face Plate Kit ..	X-23151A
Access Plate Kit	X-23040A

Tools & Materials

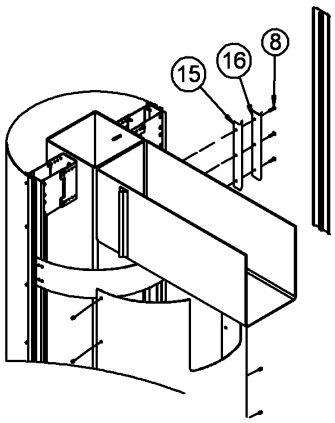
- (1) Rivet Gun
- (1) Tape measure - 16' with 1" wide blade
- (2) High-power screwdrivers with 5/16" hex tip
- (1) Saber saw or Sawzall (for metal cutting only)
- (1) Power drill with 1/4" and 3/8" drill bits
- (1) 5/16" nut driver
- (1) #2 Philips screwdriver
- (1) Chalk and chalk line
- (1) Carpenter square - 20" minimum
- (1) Carpenter level - 20" minimum
- (1) Rolling scaffolding or scissors lift
- (1) Heavy scissors or tin snips
- (1) Marking pencil or non-permanent pen
- (1) WD-40 lubricant spray
- (1) Rubber mallet
- (1) Circular saw with metal cutting blade (optional)
- (1) Suction cup for panel installation (optional)
- (2) Step ladders: 8' and 14' (optional)
- (1) Linoleum knife (optional)
- (1) Ratchet-type tie-down straps (optional)

Figure 1. Column cladding parts assembly

Exploded view



Under-canopy obstruction parts (including new under-canopy back-up strip).



Obstruction trim instructions, see Steps 4 and 5.

Factory pre-drilled openings to accommodate retainer pins.

Retainer Pin

Step 1. Remove existing cladding

Remove existing cladding

- Remove tim extrusion.
- Remove existing panels.
- Inspect and repair.

Remove trim extrusion

- Starting at the base, insert a flat blade screwdriver (or similar tool) under the trim extrusion and gently pry out one end of the trim extrusion.
- Once the end is free, the extrusion can easily be removed by hand by pulling on the end.
- Repeat for all remaining extrusions.

Remove panels

- Locate and remove the screws at the top of the seam between the bottom and middle panels.
- Using a razor knife, cut the panels vertically from top to bottom. The panels will easily release from the rear extrusion.
- New retainer pins are included in the kit. You do not need to save the old pins.
- If installed, remove the "J" bracket at the top of the column.

Inspect and repair

- Inspect all brackets, extrusions, and fasterners for broken, missing, or improper installation and repair as required.
- Use the parts list on page 2 and figure 1 on page 3 to obtain the proper replacement parts.

Step 2. Position for installation; lower 30" panels and back-up strips

Panels, back-up strips, retainer pins and rivets

- Two (2) joint back-up strips [install at base of column].
- Eight (8) rivets [four (4) per back-up strip].
- Two (2) 30" lower panels.
- Eight (8) retainer pins required for each lower 30" panel [four (4) pins per panel seam, openings #1-#4].

Base Back-up Strips*

- Align and install two (2) back-up strips at column base, 1 1/2" above bottom of panel (before positioning lower 30" panels). (See Figures 2A and 2B.)
- Drill two (2) 1/8” holes in each end of back-up strip. Secure with four (4) rivets per back-up strip. Ignore pre-drilled openings. (See Figures 2B, Drilling Alignment.)

* **TRIMMING AROUND OBSTACLES**
If grade obstacles exist, follow trim guidelines below.

Then position bottom back-up strip 1 1/2" above top of trim. (Back-up strip position must not interfere with pre-drilled panel holes.)

Trim around obstacle. Drill at radius intersect prior to cutting, to eliminate risk of panel fractures.

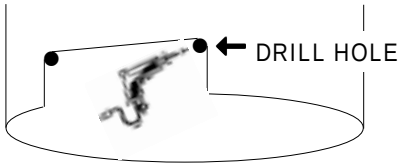


Figure 2A. Base back-up strip alignment

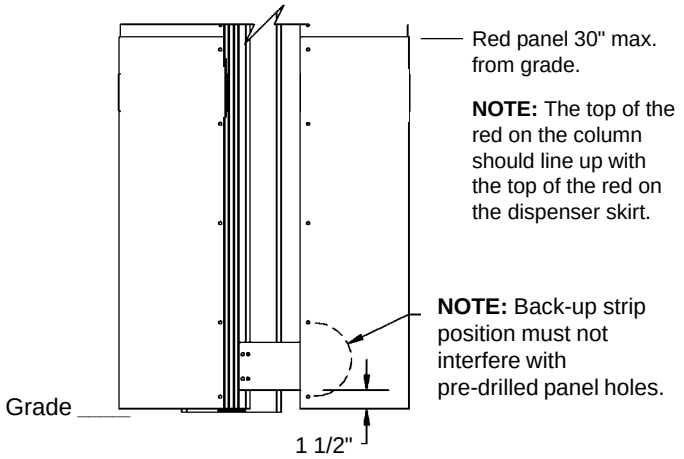
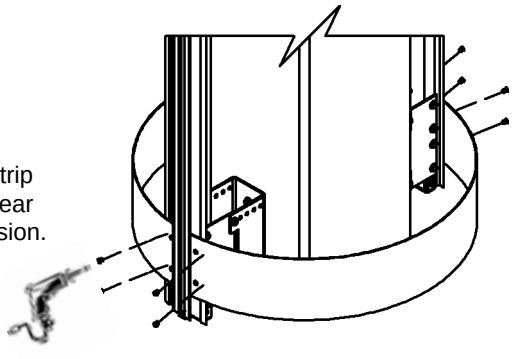


Figure 2B. Base back-up strip installation

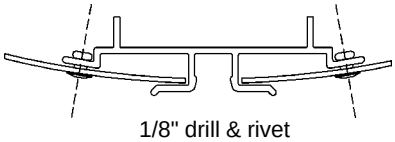
Installed view



Drill back-up strip and rivet into rear cladding extrusion. Do not use pre-drilled openings on back-up strip for column base attachment.

Refer to diagram at left if obstacles exist.

Drilling Alignment



Step 2. Position for installation; lower 30" panels and back-up strips (continued)

PLEASE DO NOT REMOVE PROTECTIVE STATIC WRAP FROM PANELS UNTIL END OF STEP 8. NOTE: Static wrap temporarily protects finish during installation.

Position lower 30" cladding panels first
Dry-fit prior to permanent installation

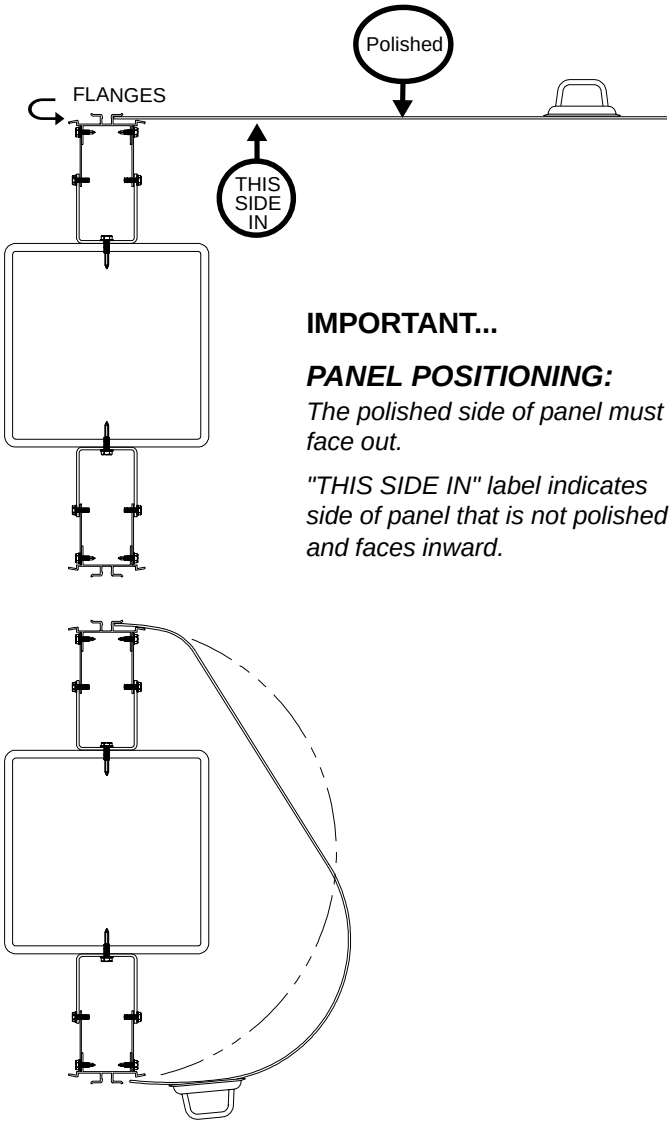
Note: The top of the red on the column should line-up with the top of the red dispenser skirt, up to a maximum height of 30". The red on the column must not exceed 30" height.

- Starting at 1/4" above grade, insert lower corner of one (1) panel into rear extrusion flange.
- Continue easing panel into flange, starting from grade toward top of panel, until one side of panel is fully inserted. (See Figure 11.)
- To stabilize dry-fit, insert one pin in pre-drilled openings #2, #3 and #4.
- Starting at bottom corner, flex panel around into extrusion on opposite side.
- Apply gentle pressure to already-installed side of panel (see Figure 11; "PUSH HERE") to insure panel is evenly secured into flange groove.
- When pressure is removed, panel will assume a round condition.
- To stabilize dry-fit, insert one pin in pre-drilled openings #1, #2, #3 and #4.
- Repeat process on opposite side.

(See Step 3, left column, for lower 30" panel trim specifications.)

Panel positioning tips:
Installer assistance may be useful on first panel insert attempt.
Ratchet straps may help maintain cylinder shape while fitting panel edge into flange.
Suction cups may be helpful during cold or wet weather.

Figure 3. Position panels for installation



IMPORTANT...

PANEL POSITIONING:
The polished side of panel must face out.

"THIS SIDE IN" label indicates side of panel that is not polished and faces inward.

Step 3. Install lower 30" panels; check alignments

continued

Check grade-level panels for vertical and horizontal alignments

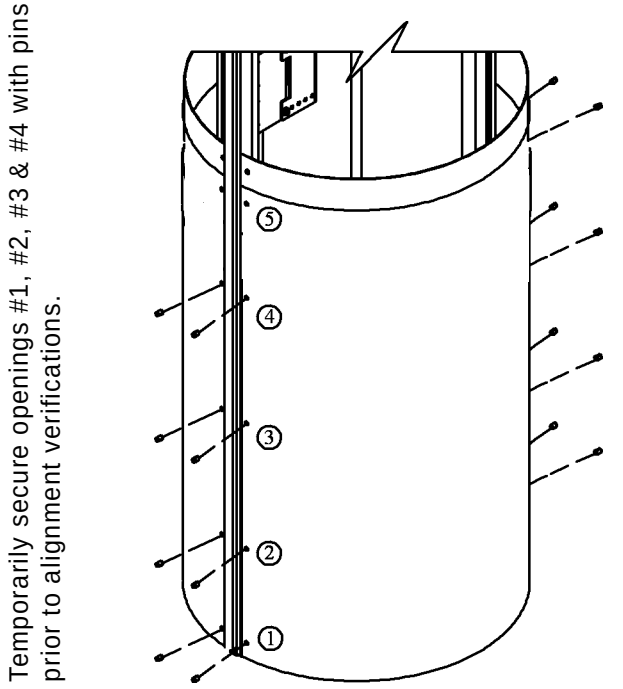
- Five (5) factory pre-drilled openings; each side.
- DO NOT insert pin in opening (#5) of lower column panel.
- Assure panels are level across the top.

With lower 30 panels temporarily assembled, check top of panel alignments with level.

If gap at bottom of panel varies over ¼":

- Scribe gap contour on opposite bottom panel.
- Remove panels. Carefully trim scribed edge with razor knife or tin snips.
- If notching is required in addition to straight edge cuts, please see Step 2, page 5, bottom of page, for radius cutting directions to prevent panel damage.
- See Figure 5, diagramming joint back-up strips attaching between panel and rear extrusion at opening #5.
- Then, reinstall panels and pins in openings #1 through #4.
- Check and adjust panels to level across the top.

Figure 4. **Factory pre-drilled pin openings, and dry-fit pinning**



RE: MIDDLE & UPPER COLUMN:
Fill ALL openings with pins.
No screws or rivets.

Step 4. Install remaining three sets of back-up strips, and middle 92" panel

Joint back-up strips for top of lower 30" panel to bottom of middle 92" panel

- Two (2) joint back-up strips with pre-drilled openings to screw back-up strip and panel together into rear extrusion. (See Figure 5.)
- Two (2) #10 x ¾" Philips-head screws [one screw per 30" panel seam, opening #5 only].

  NOTE: These screws also secure lower pre-drilled openings in back-up strip. See Step 6.

Fastening sequence:

- Position joint back-up strip behind 30" panel, then insert screws.
- Repeat for opposite side.

Middle 92" panels and back-up strips

- Two (2) joint back-up strips with pre-drilled openings [one (1) back-up strip per side].
- Two (2) 92" middle panels [one (1) panel per side].
- Pins for all pre-drilled panel and back-up strip holes.

Position and install middle 92" cladding panels and back-up strips

- Follow Step 2, Figure 3 for general "bottom-up" installation sequence.
- First, align middle 92" panel(s) #1 pre-drilled openings with back-up strip(s) upper pre-drilled openings.
- Secure panel opening #1 and back-up strip opening into rear extrusion with pin.
- Dry-fit upward, seating panel into flange of rear extrusion, until one side is fully inserted, including back-up strip at top of middle 92" panel.
- Repeat for opposite side.

Figure 5. **Joint back-up strips connect behind lower 30" panel and middle 92" panel**

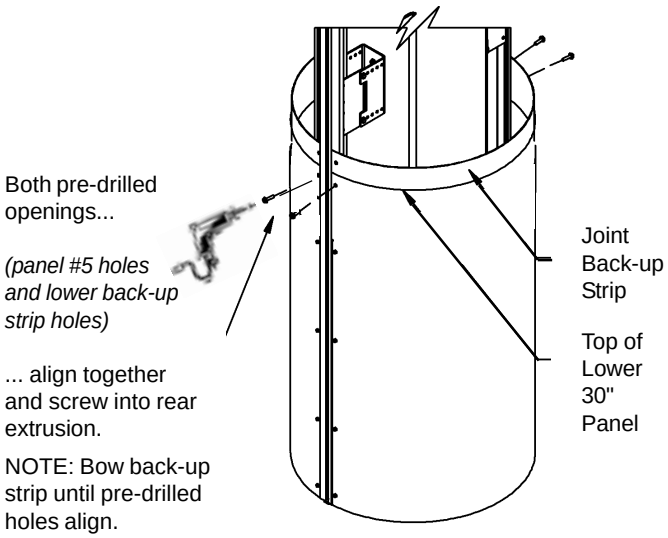
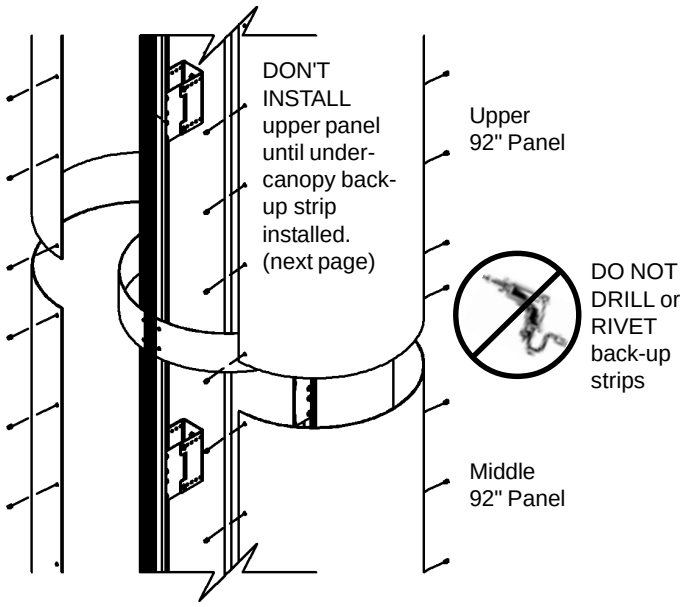


Figure 6. **Joint back-up strips pin behind middle 92" panel and upper 92" panel**



Step 4. Install remaining three sets of back-up strips, and middle 92" panels continued

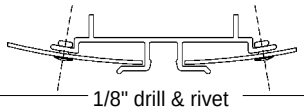
Two installation methods for upper back-up strips:

- **No under-canopy obstacles,** go to next step. See Figure 7.
- **Under-canopy obstacles,** see Figures 8A & 8B, before proceeding.

Back-up strips for top of upper 92" panel (under-canopy)

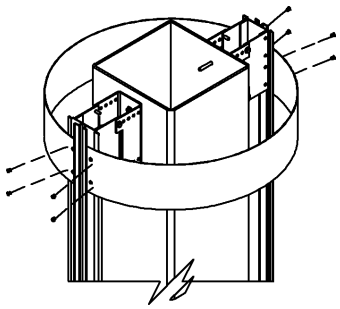
- Two (2) back-up strips [install at top of column].
- Eight (8) rivets [four (4) per back-up strip].

Attachment Method & Drilling Alignment
(with or without obstructions)
Drill and rivet into place. Don't use pre-drilled openings on back-up strip for column top attachment.



1/8" drill & rivet

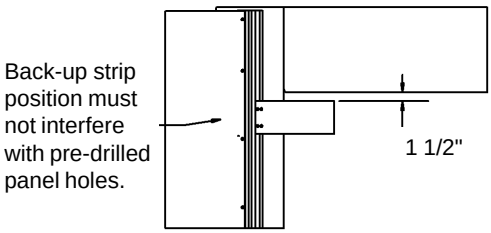
Figure 7. Upper back-up strip installation without obstructions



Under-canopy back-up strips installation Without obstructions

- Align and install two (2) back-up strips at top of column, 1 1/2" below under-canopy.
- Back-up strip position must not interfere with pre-drilled panel holes.
- Drill two (2) 1/8” openings in each end of back-up strip. Secure each back-up strip with four (4) rivets. (See Figures 7.)

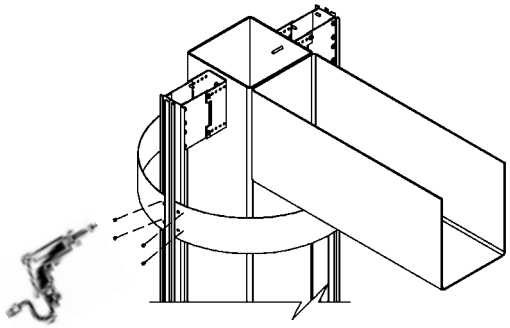
Figure 8A. Upper / under-canopy back-up strip alignment with obstructions



Under-canopy back-up strips installation With obstructions

- Align and install two (2) back-up strips at top of column, 1 1/2" below obstruction.
- Back-up strip position must not interfere with pre-drilled 92" pre-drilled panel openings.
- Drill two (2) 1/8” holes in each end of back-up strip. Secure with four (4) rivets per back-up strip. (See Figures 8A and 8B.)

Figure 8B. Upper back-up strip installation with obstructions



Step 5. Install upper 92" panels

Critical Trim Specifications

Before proceeding with upper 92" panels

All measurements, height and / or obstruction trim adjustments, and back-up strip installation must be complete.

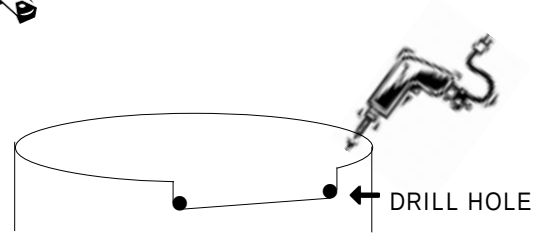
- Maximum cut length of top 92" panel will be less than measured distance from top of installed lower 92" panels (excluding back-up strip) to underside of canopy deck. (See Trim Space Guidelines). This space permits expansion / contraction with temperature changes. Straight trim if necessary.
- See Radius Cutting Guidelines for obstacles.

CRITICAL **Trim Space Guidelines under-canopy/top of panel**

On day of installation, if...

Temperature	Distance between under-canopy and top panel
• <0° f	leave 1 1/2" space
• 0° to 40° f	leave 1 1/8" space
• 41° f to 80° f	leave 3/4" space
• >81° f	leave 3/8" space

CRITICAL **Radius Cutting Guidelines for obstructions**



BEFORE CUTTING, drill hole at each intersect to avoid risk of panel fractures.

If top of upper panel required trimming...

- DO NOT drill additional retainer pin openings.
- Use uppermost existing factory-pre-drilled opening, secured with retainer pin.

General "DO NOTs" for upper column...

- DO NOT use TEK screws or rivets to secure any area of upper panels.

Critical under-canopy trim airspace...

- DO NOT caulk top of panel / column to under-canopy.

Step 5. Install upper 92" panels (continued)

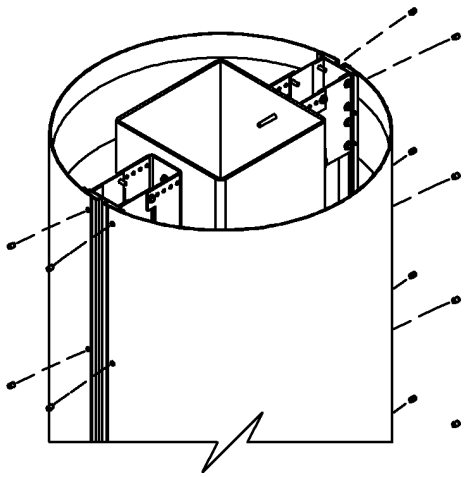
Upper 92" panels with or without obstructions

- Two (2) 92" panels [one (1) panel per side].
- Pins for pre-drilled panel and back-up strip holes.

Position and install upper 92" panels without obstructions

- Secure upper 92" panel's #1 pre-drilled hole with back-up strip's upper pre-drilled hole into rear extrusion with pin. (See Figure 9.)
- Dry-fit upward, seating panel into rear extrusion flange, until one side is fully inserted.
- Temporarily add one (1) pin to upper-most opening until both sides of panel are dry-fitted.
- Check alignments and repeat on other side.
- Insert pins in all remaining pre-drilled openings.

Figure 9. **Install upper 92" panels without obstacles**



Install upper 92" panels with obstructions/obstacles

J-brackets stabilize vertical panel cuts surrounding obstacle

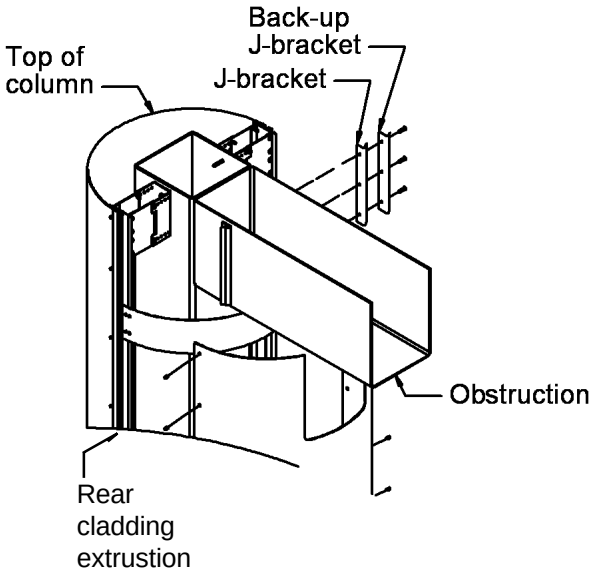
- Two (2) J-brackets; two (2) back-up J-brackets [one (1) J-bracket and one (1) back-up J-bracket for each side of obstruction].

  (J-bracket and a back-up J-bracket are referred to as a "pair.")
- Six (6) ¾" Philips-head screws [three (3) screws per J-bracket pair].

Attach J-brackets to obstacle

- Establish J-bracket mount locations by inserting piece of scrap panel into trim extrusions, just below obstacle. Mark obstacle at points where panels bend.
- Trim J-bracket pairs to same height as gutter/obstacle. (See Figure18.)
- Install one (1) pair of vertical J-brackets on each side of obstacle with three (3) ¾" Philips-head screws per J-bracket pair.

Figure 10. **J-bracket installation to obstacle**



Step 5. Install upper 92" panels (continued)

Trim panel for obstacle/obstruction

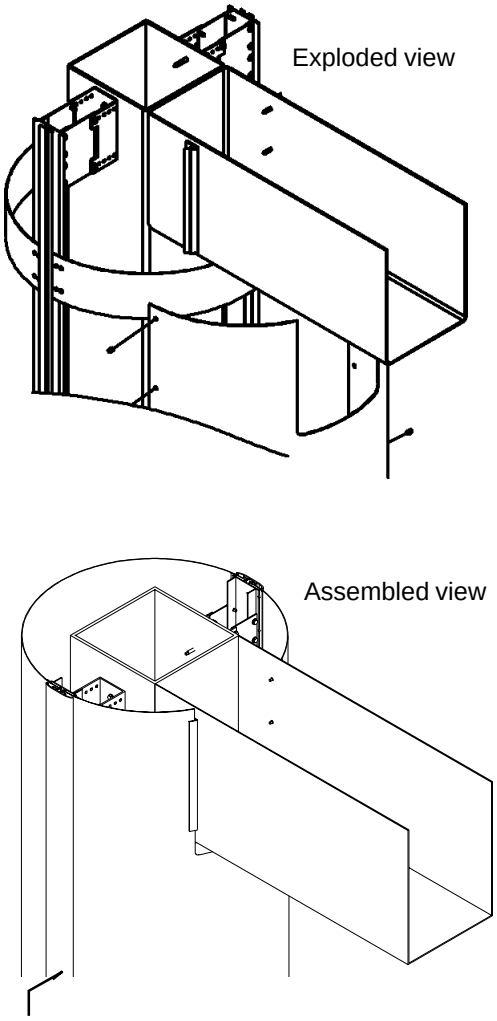
- Follow all panel measurement and cutting guidelines detailed on page 10 before installing upper 92" panels.

Install upper 92" panels
With obstructions/obstacles

- Secure upper 92" panel's #1 pre-drilled hole with back-up strip's upper pre-drilled hole into rear extrusion with pin. (See Figure 6.)
- Dry-fit upward, seating panel into rear extrusion flange, until one side is fully inserted.

  IMPORTANT: Carefully work vertical obstruction trims inbetween pair of J-brackets positioned on either side of obstruction.
- Temporarily add one (1) pin to upper-most opening until both sides of panel are dry-fitted.
- Check alignments and repeat on other side.
- Insert pins in all remaining pre-drilled openings.

Figure 11. Install upper 92" panels with obstructions



NOTE: Seam trim cap shown in Step 6.

Step 6. Install seam trim caps

Optional column attachments may be specified for this installation.
Please see specific instructions in option kits before proceeding with this step.

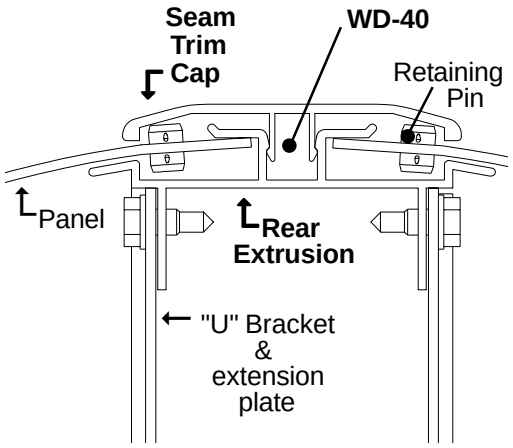
Required for seam trim cap installation

- Four (4) 92" lengths of seam trim cap extrusion [two (2) per side].
- Two (2) 30" trim extrusions [one (1) per side].

Installation of seam trim cap

- Lightly spray WD-40 into channel of rear extrusion. Wipe excess. (See Figure 12.)
- Starting at grade, align trim cap with panel seams.
- Working upward, insert trim cap into rear extrusion channel as diagrammed, using a rubber mallet or similar protected hammer.
- Horizontal end-to-end seams between trim caps should align with horizontal seam between upper and lower panels.
- Cut top of trim cap ¼" below canopy deck panel and/ or column-top obstacles.
- Repeat process for opposite side.

Figure 12. Seam trim cap assembly



Panels are now fully installed and secured to rear extrusion. Remove (peal away) all temporary protective static wrap from columns. Clean and rinse columns if necessary.
See approved cleansers, page 14.

Thermoplastic Resin Panels

IMPORTANT: Use only a soft cloth or sponge when applying any of the approved products listed.

Thorough periodic cleaning:

Use any of the approved items listed below.

Graffiti removal:

Graffiti -- including most: permanent markers; crayons; paint; and burn marks -- can be removed with a non-petroleum citrus-based solvent (such as Citra-Solv) at full strength. After cleaning, buff area with an approved polish to restore gloss.

APPROVED:* 

Soap and water
Ammonia
Armor-All Protectant
(no abrasives)

* IMPORTANT:
For each panel color, always test solution in a small, inconspicuous area before actual applicaiton.

Installation Notes:

38271 West Twelve Mile Road
Farmington Hills, Michigan 48331-3041

Question? **Call 1-800-634-8471** 8:30am- 5:00pm EST, M-F