

# Conoco Fusion Film-Over Fascia Signature Image



## Installation Guide PN 680225

This product is designed to fit a Conoco 36" or 48" canopy. Please verify that your site fits these specifications before beginning. If not, please communicate with the appropriate contacts.

**Read through all of the instructions prior to beginning installation and verify (using the packing list) that all parts have been received and in good condition.**



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**\*NOTE\* BEFORE CUTTING OR INSTALLING ANY  
ELEMENTS, FIELD VERIFY THE CANOPY DIMENSIONS!**

Verification is vital in ensuring all canopy elements are  
installed properly

**PLEASE REFER TO RENDERINGS FOR GUIDANCE  
WITH CUT PANELS AND ELECTRICAL WIRING**

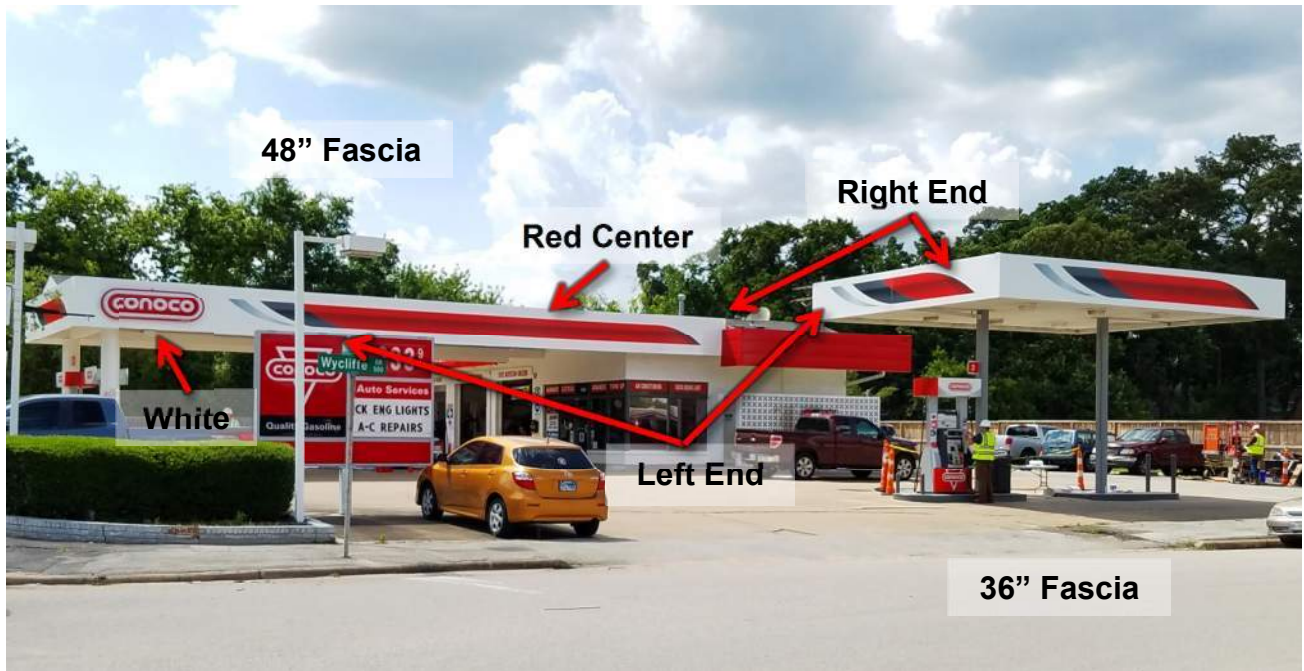


# Conoco Fusion Fascia Image

The Fusion image is comprised of one main image broken into four parts – the left end, red middle, right end & white sections.

All graphics for Fusion will be shipped rolled in a box. They will be received with premask applied to each vinyl sheet.

All Fusion graphics are left hand oriented.



## Specifications & Placement Standards

All graphics are 24" in height regardless of canopy height.

36" fascia will receive vinyl sheets measuring 39" x 118".

This provides 1.5" additional top and bottom and 1" left and right.

There should be 6" top and bottom of white showing once the vinyl is applied.

48" fascia will receive vinyl sheets measuring 49.5" x 118".

This provides 1.5" additional top ONLY and 1" left and right.

There should be 12" top & bottom of white showing once the vinyl is applied.

Canopy Element	# of Sheets	Graphic Dimension (excluding additional)	White Dimension (excluding additional)	Overlap
Left End	2 sheets	74- <sup>1</sup> / <sub>16</sub> " & 116"	41- <sup>15</sup> / <sub>16</sub> "	2" (within set) 1" each end
Red Middle	1 sheet	116"	N/A	1" each end
Right End	1 sheet	72- <sup>1</sup> / <sub>2</sub> "	43- <sup>1</sup> / <sub>2</sub> "	1" each end
White	1 sheet	N/A	116"	1" each end
12' Graphic	2 sheets	72" & 72"	44" & 44"	2" (within set) 1" each end
14' Graphic	2 sheets	91- <sup>1</sup> / <sub>2</sub> " & 76- <sup>1</sup> / <sub>2</sub> "	24- <sup>1</sup> / <sub>2</sub> " & 39- <sup>1</sup> / <sub>2</sub> "	2" (within set) 1" each end

Logos will always be 2' from the edge of the canopy

For 36" fascia, the logo is approximately 6.5' long.

For 48" fascia, the logo is approximately 8' long.

On a side with a logo, **graphics** will generally begin 2' from the edge of the logo (the only exception is with a canopy side less than 29'). **DO NOT begin the sheet 2' from the logo.**

For 36" fascia, the graphics begin approximately 10-<sup>1</sup>/<sub>2</sub>' from the edge of the canopy.

For 48" fascia, the graphics begin approximately 12' from the edge of the canopy.

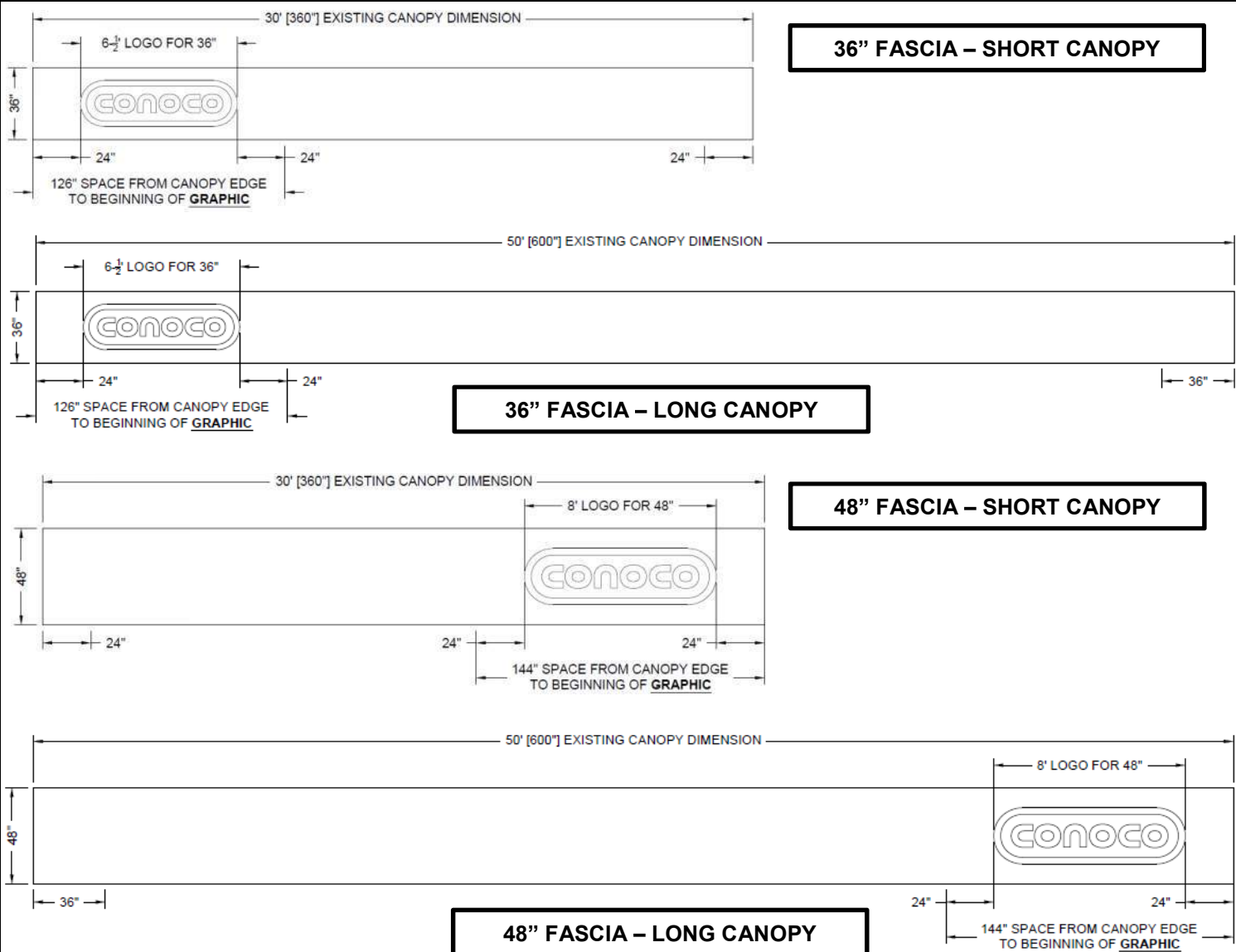
For the end of the graphic or a side with no logo, the following applies depending on the length:

Short sides – graphics begin/end 2' from the edge of the canopy

Long sides – graphics begin/end 3' from the edge of the canopy

Square canopies – graphics begin/end 2' from the edge of the canopy

Canopies less than 29' (36" fascia)/30.5' (48" fascia)/18' (no logos) – graphics can begin/end no less than 1' from the edge of the canopy & centered



**Example:** 36" fascia height – 78'x33'

Canopy length – 78' = 936" (logo for 36" canopy)

**936"** (overall) – [**24"** (space) + **78"** (6.5' logo) + **24"** (space) + **36"** (space)] = **774"** (graphic space)

**774"** (graphic space) – [**190.09"** (left end graphic) + **72.51"** (right end graphic)] = **511.4"** (space for red)

**511.4"** (space for red) / **116"** (red graphic) = 4.41 = **4 full sections & 47.56" additional**

**\*\*Hint\*\*** Multiply the decimal quantity by 116 to convert to inches – Ex: .41 x 116 = 47.56"



Canopy length – 33' = 396" (no logo)

**396"** (overall) – [**24"** (space) + **24"** (space)] = **348"** (graphic space)

**348"** (graphic space) – [**190.09"** (left end graphic) + **72.51"** (right end graphic)] = **85.4"** (space for red) = **1 full section**



## Before beginning installation

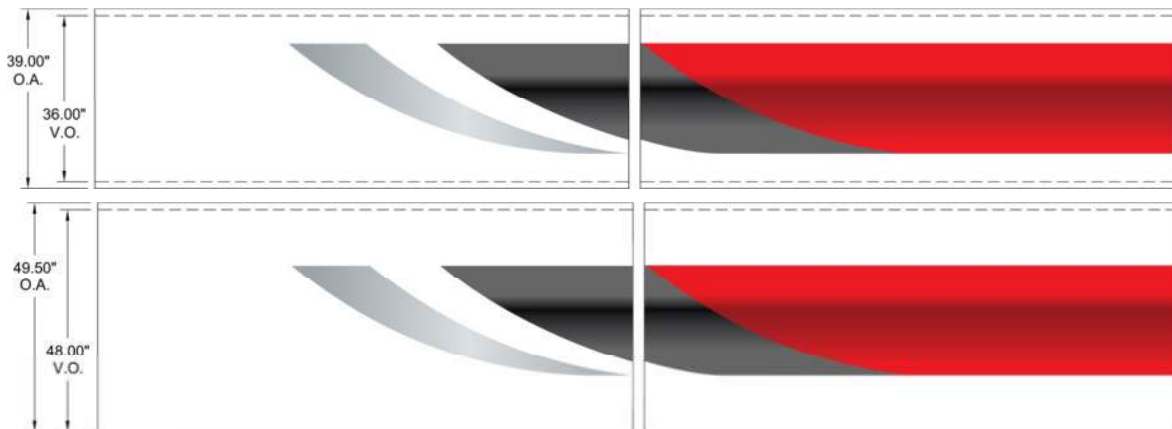
Clean & prep the surface prior to any vinyl application.

Please follow all applicable 3M processes for preparing the canopy fascia for installation.

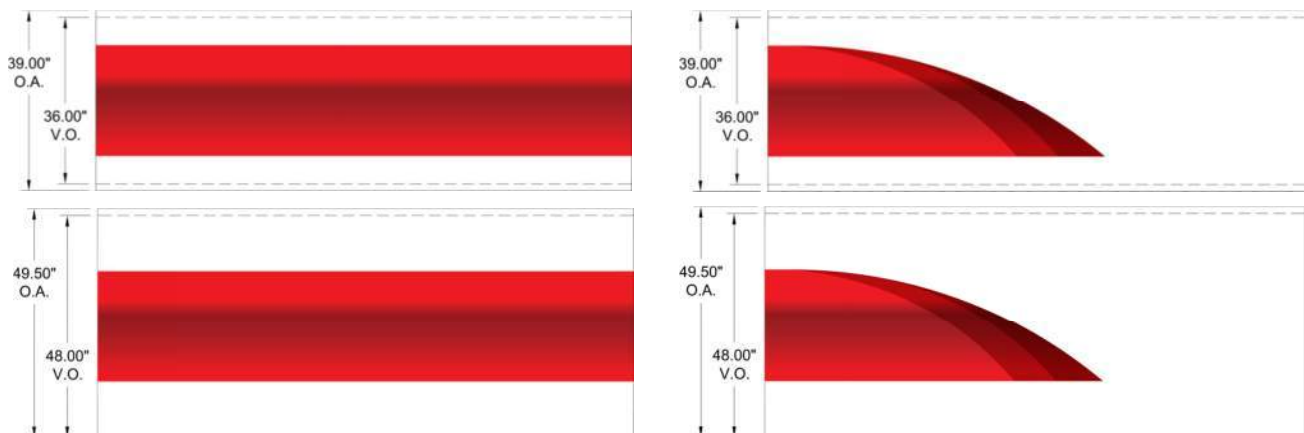
- Solvent cleaning – removes waxes/polishes; Example – Prep 70
- General cleaning – removes dirt; Example – Dawn soap & water
- Isopropyl alcohol & water (2:1); Example – 70% rubbing alcohol
- Clean lint-free paper towels
- Clean all edges & areas where film will adhere

For any additional needs (i.e. oxidized substrate), please see 3M documentation.

## Vinyl Film-Over

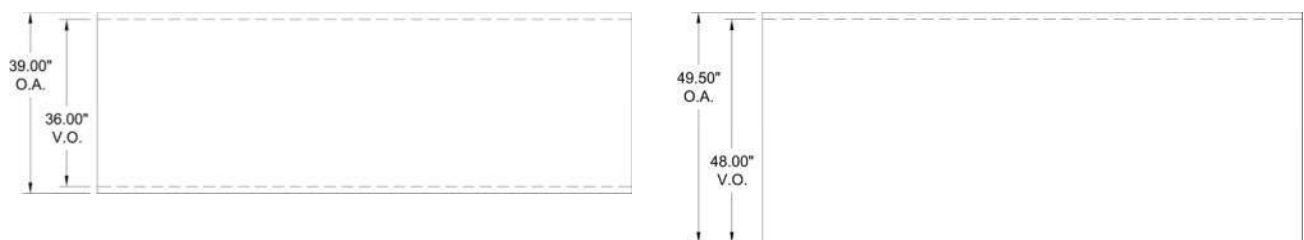


Left End Graphic

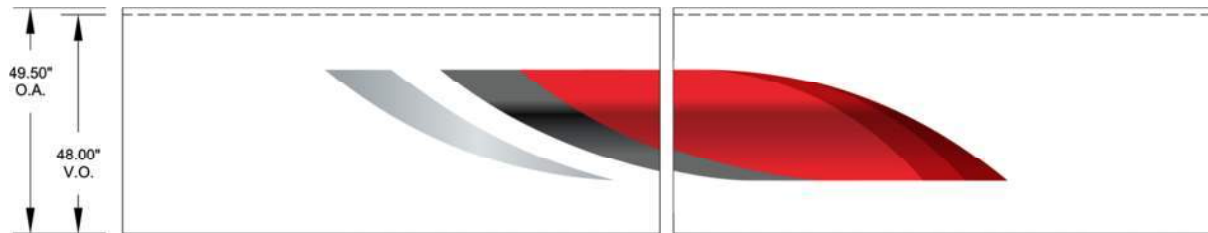


Red Extender Graphic

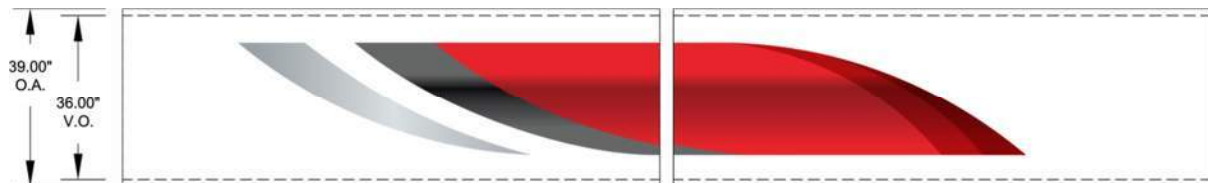
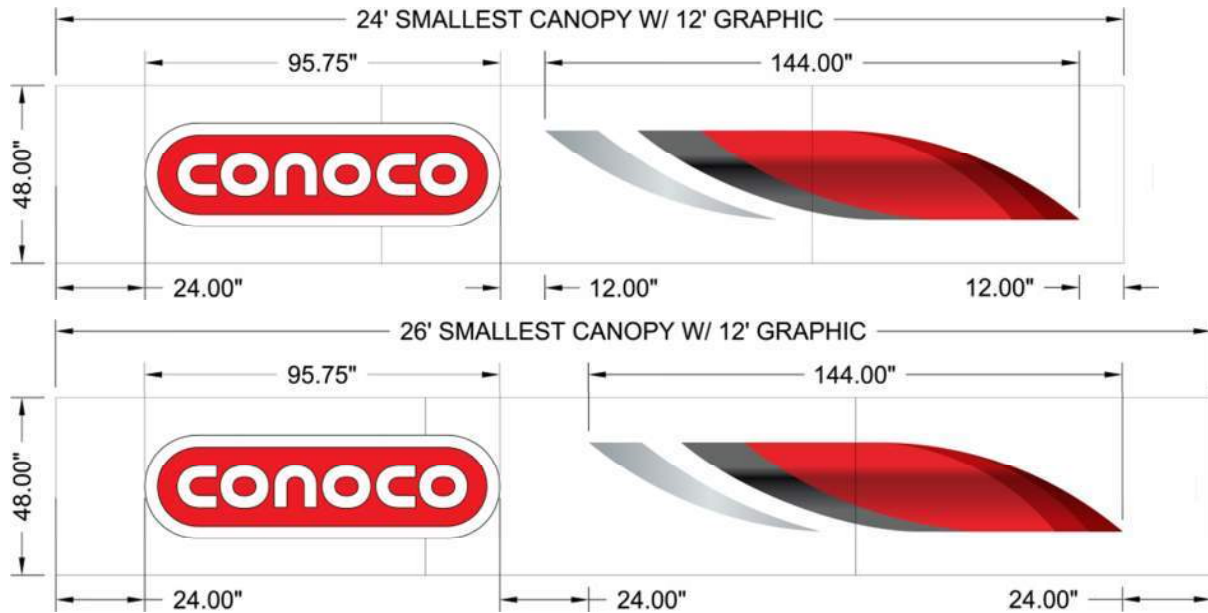
Right End Graphic



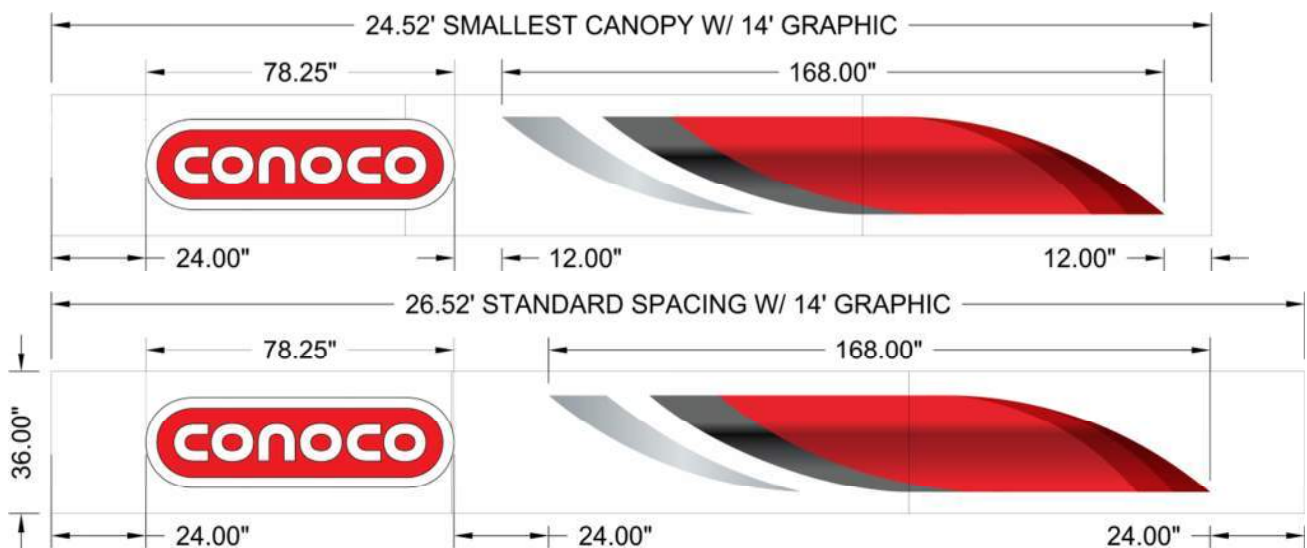
White Graphic



**12' Graphic – 36\"**

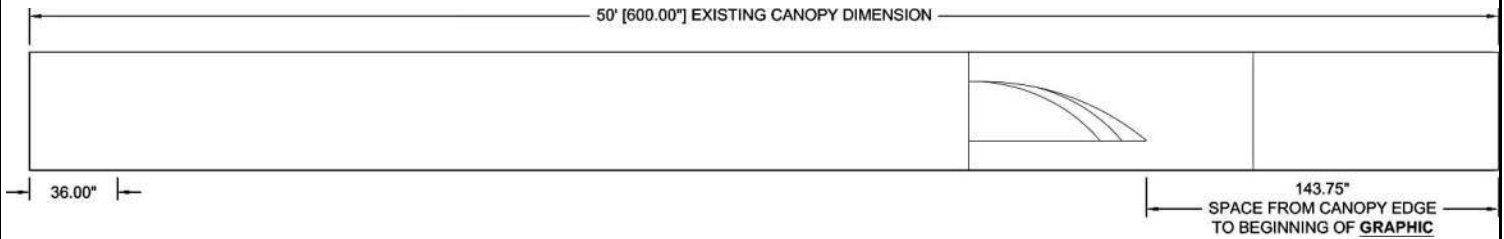


**14' Graphic – 36\"**

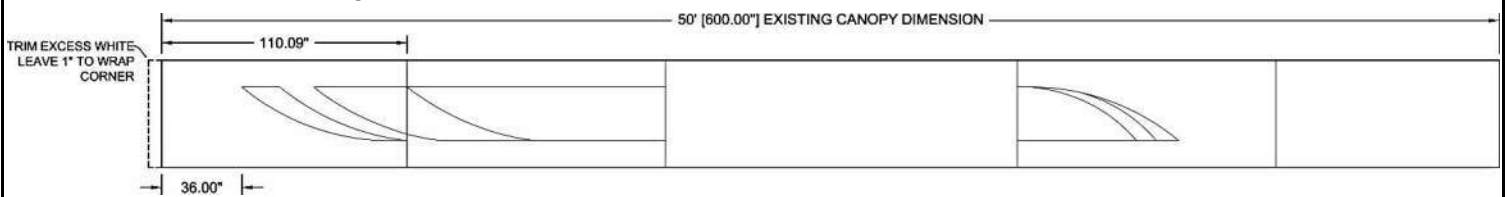


## Installation

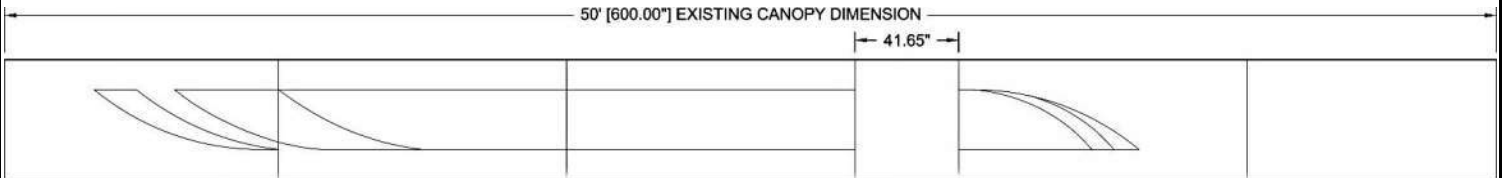
1. Using the spacing diagram from previous page, determine where the first graphic section will begin. Begin the GRAPHIC at that point. DO NOT begin the full vinyl sheet. Fold the film up & over the top ledge 1", trim around hardware, and seal. Trim the bottom. Refer to 3M bulletins before beginning installation.



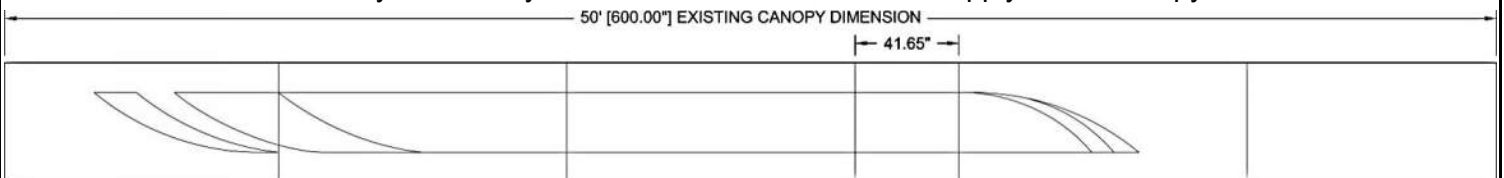
2. Apply the opposite end graphics to the canopy fascia. Use the spacing guide from the previous page depending on the length of the side to determine a 2' or 3' space. Leaving 1" to wrap around the canopy corner, trim the remaining white from the end sheet.



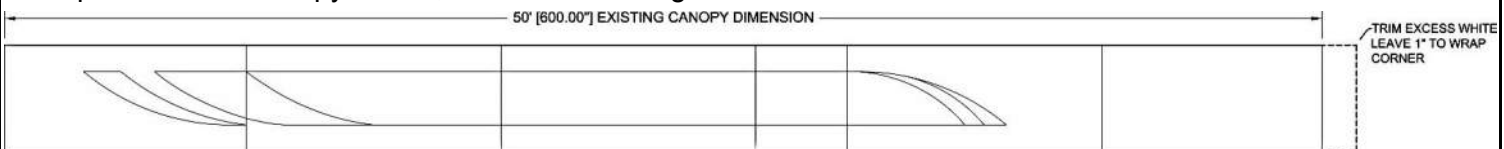
3. Begin applying red middle sections until there is a space less than 116", needing a cut section to finish the canopy side.



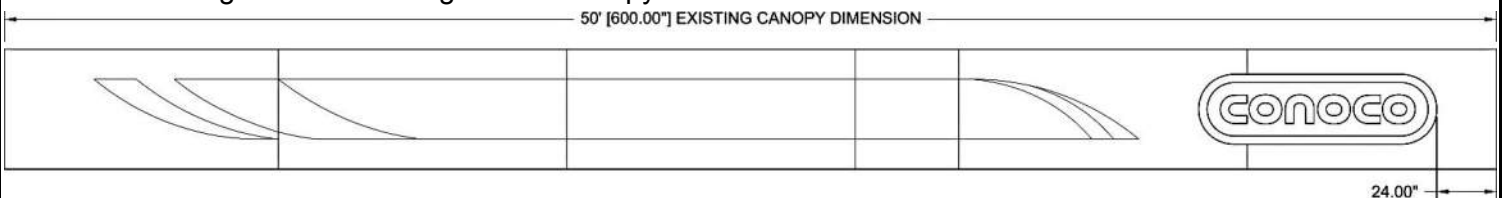
4. Measure and cut the vinyl necessary to fill the last section, and then apply to the canopy fascia.



5. Install the blank white vinyl sheet if necessary (generally only needed on sides with logos). Leaving 1" to wrap around the canopy corner, trim the remaining white from the end sheet.



6. Install the logo 2' from the edge of the canopy.



### **3M Specifications**

Vinyl application should occur between 40° to 100° F. Optimal application is between 65° to 80° F.

- Too cold will have low adhesion and graphic may not stay on very long.
- Too warm will get lots of pre-adhesion and it will be difficult to get good smooth wrinkle-free application.

Use the specified application techniques approved by 3M – this will affect the quality and durability of the graphic.

#### **Squeegee Technique**

- Firm squeegee pressure
- 50% overlap on each pass
- Plow or Drag
- 10/2 position on forward and return pass

Use the hard edge of the squeegee. Make sure it is free of nicks, use firm overlapping strokes and use the 10/2 position.

When removing application tape, start in the upper corner & pull material back over on itself 180°. Now pull the premask from corner to corner at a 45° angle. The wrong angle can pull up the applied graphic.

After application tape is removed, re-squeegee the entire graphic using the soft side of your squeegee paying extra attention to all edges. If you cannot push out trapped air using the soft side of the squeegee you may use the hard edge but be careful as the hard edge may scratch the graphic.

Slit the vinyl and tuck at all existing fascia seams (i.e. between ACM panels). This is CRUCIAL to ensure proper vinyl installation and life – graphics can tear/break at the seams if not cut, giving premature graphic failure.

Remove any air bubbles – if the film is not down tight, tears and failure can occur if the film breaks at the bubble.

Please see [www.3mgraphics.com](http://www.3mgraphics.com) & [www.3m.com](http://www.3m.com) – Resources or 3M Cosmo app for additional information.

### **Logos**

Logos will be installed back where they previously were. Please refer to additional guides for paint refresh on the cabinets or LED retrofit kits.

If a canopy has lightbar (see additional Lightbar Installation Guide for guidance), the logo will need to be installed **FIRST**, and then the lightbar will be installed **OVER** the logo



## **LED lightbar**

If a canopy receives LED lightbar, strips of 3" matte film will be provided in the boxes containing the lightbar sections. This matte film **MUST** be installed **BEFORE** the LED lightbar is installed. Failure to do so will cause the LED lightbar to distribute poorly on the canopy surface.

The suggested method of application is to apply the matte film to the ACM panels before installation onto the canopy. This can ensure that the seams of the matte film wrap a small amount on the flange to keep from peeling up in the future. The film does not have to go edge to edge of the ACM panel, but it **MUST** cover the entirety of the visual opening of the panel (116") in between the flanges.

**Please see the LED Lightbar Installation Guide BEFORE beginning any installation of the lightbars.**

**Logos are installed BEFORE the lightbar has been installed.**



# 3M Petroleum Canopy Graphic Application Guide for Best Practices

\*This document is intended only as a guide. For specific application instructions, and all approved application processes, refer to the appropriate 3M Instruction Bulletins

<b>Important Note:</b>	<i>Recommended film specifications must be followed, in addition to the correct application procedures as listed in the 3M Instruction Bulletins noted in this document</i>
<b>Take "Before" photos and complete a 3M Pre-Site Inspection Report</b>	Document condition of substrates prior to preparing them for installation Complete a 3M Pre-Site Inspection report
<b>Pre-existing graphic considerations (see Instruction Bulletin 5.1, Section 7)</b>	
<a href="#">Bulletin 5.1</a>	You can apply only one 3M graphic on top of one existing 3M graphic. *The bottom graphic must be in good condition, well adhered to the substrate, and capable of supporting an addition graphic layer <i>*If installing over a pre-existing graphic, trimming out areas that have lost adhesion and trimming a min. of 1/2" along all edges is required.</i> If pre-existing graphic is not adhered well, and will not support an additional graphic, do not install new graphics over it.
<b>All existing pollen and fungus must be removed (see Instruction Bulletin 6.5, Section 7(H))</b>	
<a href="#">Bulletin 6.5</a>	Fungus and pollen can affect adhesion To remove pollen and fungus, you must wash the graphic with a 3 to 5% sodium hypochlorite (full-strength household bleach) solution or mild liquid detergent and water. You must then rinse with clean water immediately
<b>Oxidized areas of pre-existing graphic must be cleaned and sealed prior to application (see Instruction Bulletin 5.1, Section 7(F))</b>	
	Oxidation or (chalk) will negatively impact adhesion of the new graphic film Depending upon the type and amount of oxidation, it can be cleaned through various methods
<b>Rust, holes, and loose panels (see Instruction Bulletin 5.1, Section 7(F))</b>	
<a href="#">Bulletin 5.1</a>	Do not apply graphics directly to bare metal. Any painted surface with bare metal or rust spots should be entirely resurfaced as recommended in Section 7(F) Patching all holes helps with exposed or suspended graphic adhesive Make sure to secure loose panels to help eliminate flex of the new graphic
<b>Primer / Paint (see Instruction Bulletin 5.1, Section (G))</b>	
	Do not use any primer or paint that is labeled or considered to be "low VOC". Low VOC paint does not allow for proper adhesion Follow dry and cure times recommended by the paint manufacturer. Primer and paint must be completely dry prior to graphic film application
<b>Method 1 (Step 1) Initial Cleaning (see Instruction Bulletin 5.1, Section 5(A))</b>	
<a href="#">Bulletin 5.1</a>	Wash the substrate with 1 ounce of synthetic detergent per gallon of lukewarm water Avoid soaps or preparations that contain waxes, oils or lotions
<b>Method 2 (Step 2) Cleaning with Preparatory Solvent (see Instruction Bulletin 5.1, Section 5(B))</b>	
	Preparatory Solvents will remove any residual grease, oil, or silicone contaminants 3M does not endorse any chemical manufacturer or supplier but, for your convenience, provides a sample list of cleaners in its Instruction Bulletin
<b>Method 3 (Step 3) Final cleaning with Isopropyl Alcohol/Water solution (see Instruction Bulletin 5.1, Section 5(C))</b>	
	After using preparatory solvent; you must wipe the substrate with Isopropyl Alcohol ("IPA") and water solution (as described in Instruction Bulletin and below) to help remove remaining solvent. If you are using industrial grade IPA, mix it in a ratio of 2 parts IPA to 1 part water. If you are using 70% rubbing alcohol, do not dilute it. Ensure seams, gaps, and edges are cleaned well Wipe with lint-free paper towel before IPA evaporates from the substrate
<b>Make sure the substrate is completely dry before applying the graphic film. (see Instruction Bulletin 5.1, Section 5(C))</b>	
	Seams and molding hold moisture. Make sure all residual moisture is gone from these areas prior to graphic film application
<b>Canopy substrate temperature should be documented prior to install</b>	
	Cold substrates will prevent proper adhesion and adhesives require correct heat and pressure to help achieve correct adhesion Extreme heat will cause adhesive to soften immediately and will make repositioning the graphic difficult
<b>Adhesion tests help determine if the substrate surface can build adhesion with the graphic. (see Instruction Bulletin 5.37, Section 5)</b>	
<a href="#">Bulletin 5.37</a>	It is important to perform an adhesion test, as described in Instruction Bulletin 5.37, Section 5, before application begins
<a href="#">Test Kit Link</a>	To perform the adhesion test, 3M recommends the 3M™ Adhesion Test Kit with 3M IJ180mC-10 test strips, 3M recommends 700 to 1000 grams of pull force for exterior applications  If adhesion test results are under 700 grams, wipe the surface with a 70/30 Isopropyl Alcohol/Water solution and perform the adhesion test again
<b>Use an adhesion promoter, such as 3M™ Primer 94 Adhesion Promoter, along edges and seams of substrate</b>	
<a href="#">Tech Tips-Fuel Canopy Graphic Application Diagram 1-A</a>	Adhesion promoter helps with adhesion along edges and cuts which can be the most prone to weathering and lifting Apply a 1/4" wide layer of adhesion promoter into vertical seams and along top and bottom edges and a 1/2" wide layer of adhesion promoter along the top ledge and around the base of fasteners (screws) Wait for at least 5 minutes after completing application of adhesion promoter before applying graphic; then graphic application should be completed within 60 minutes of application
<b>Tuck film into vertical seams during install and do not "bridge" film across seams</b>	
<a href="#">Tech Tips-Fuel Canopy Graphic Application Diagram 1-B</a>	Tucking film into vertical seams helps prevent exposed substrate after relief cut Work toward vertical seams, then relieve film tension and push the film downward into the gap
<b>Fold film up and over the top ledge, trim around hardware, and edge seal it.</b>	
<a href="#">Tech Tips-Fuel Canopy Graphic Application Diagram 1-C</a>	Wrap at least 1" of the graphic over the top ledge and then edge seal and <u>do not flush cut along top edge</u> For 2 layers: Extend outer layer 1/4" beyond inner layer to lock down the edge of the inner layer. After premask removal, Use 3M™ 3950 Liquid Edge Seal along the trimmed graphic edges across the top of the flange or ledge
<b>Remove mask, Re-tuck, Relief cut, Re-tuck, to smooth loose edges</b>	
<a href="#">Tech Tips-Fuel Canopy Graphic Application Diagram 1-C</a>	Remove Protective Premask at 180° and 45° angles, this prevents film lift from substrate After mask removal: re-tuck seams with heat which will help stretch film downward into the seam gap After mask removal: relief cut down the center of the vertical seams and along trim caps After mask removal: re-tuck seams to lock down and smooth the edges of the film After premask removal, Use 3M™ 3950 Liquid Edge Seal along the trimmed graphic edges across the top of the flange or ledge
<b>Resqueegee the entire applied graphic with special attention given to edges. Post-heating edges helps build adhesion</b>	
	To help with successful adhesion, lock down any loose film affected by mask removal

PREPARATION

CLEANING

ADHESION

APPLICATION

## **Appendix**

04/10/2018 – Date created

11/05/2018 - Fold/trim information & 3M Best Practices added

