

Blower Arch Layout | Tommy Car Wash Systems

Tommy's 2.0 Blower Layout Guide 110'-130' Tunnel

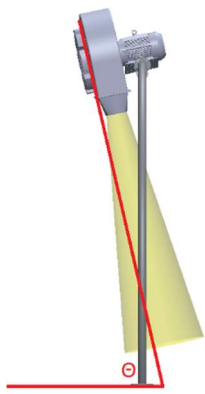
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Arch #	Blower #	Direction	Nozzle (L/S/ES)	Rotate Housing	Side	F/B Angle	L/R Angle	Distance: Center to Plate Edge
1	1	CW	L		PS	72.6°	85.5°	8"
2	2	CCW	S/ES	1	DS	76.5°	92.1°	38-1/2"
	3	CCW	L		DS	70.1°	93.7°	8-3/4"
	4	CW	L		PS	71.7°	86.9°	14-3/4"
	5	CW	S/ES	1	PS	84.4°	78.7°	44-1/4"
3	6	CCW	S/ES	1	DS	85.2°	103.3°	44-1/2"
	7	CCW	L		DS	72.8°	96.8°	14"
	8	CW	L		PS	70.5°	87.7°	8"
	9	CW	S	1	PS	83.2°	87.1°	38-3/4"
4	10	CCW	S/ES	1	DS	77.4°	115.0°	72"
	11	CCW	S	1	DS	81.5°	96.8°	38-1/2"
	12	CCW	L		DS	70.3°	90.2°	8-1/2"
	13	CW	L		PS	70.5°	88.5°	14-3/4"
	14	CW	S/ES	1	PS	81.9°	81.7°	46"
5	DH							
6	15	CW	L		DS	73.5°	95.4°	14-1/4"
	16	CCW	L		PS	71.9°	90.4°	7-3/4"
7	17	CCW	L		DS	80.7°	90.0°	10-1/2"
	18	CW	L		PS	78.2°	91.3°	9-3/4"

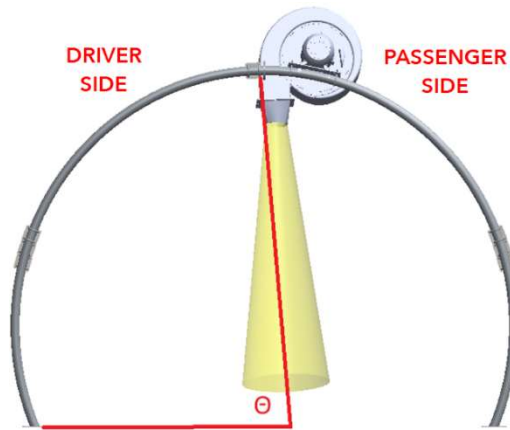
*****SEE NOTES ON PAGE 2*****

Notes:

- Top spreader bar should be placed driver side on Arch #1. Subsequent spreader bars should alternate.
- Arches #2 and #4, insert the bolt into the arch flange so the head of the bolt is on the passenger side.
- The Nozzle (Long/Short/Extra-short) column indicates which length nozzle, long, short, or extra-short that is to be installed on each blower.
 - There is a new extra-short nozzle being introduced in July 2024
 - Each site will receive a kit of 5 extra-short nozzles.
 - Blowers 2,5,6,10, & 14 can use either short or extra-short nozzles.
 - The extra-short nozzles are optional and will be installed at the request of the site.
 - Sites wishing to wash tall square vans such as the Ford Transit, Mercedes-Benz Sprinter, or Dodge ProMaster will want the short nozzles installed.
 - These vehicles are likely to be damaged if short nozzles are installed on blowers 2,5,6,10 & 14..
 - Installing the extra- short nozzles will negatively impact drying quality for small and mid-size vehicles.
 - If the site does not want the extra-short nozzles installed, store them in Tower B mezzanine.
- Measure the F/B angle:
 - Front and Back angles are measured on the intake grill.
 - Set the desired angle on the angle finder and tighten the friction knob.
 - Be sure to hold the swing arm vertically when measuring.
 - Hold the swing arm to the intake grill and move the blower up or down until the bubble level indicates level.
- Measure L/R angle:
 - All L/R angles are measured facing the Entrance with the digital display facing you.
 - Blower angles are measured from the bottom of the nozzle by holding the angle finder vertically and placing the swing arm on the bottom of the nozzle.
 - Set the desired angle on the angle finder and tighten the friction knob.
 - Use the center bubble level to verify the angle finder is vertical when measuring L/R angles.
 - Take care to hold the angle finder so the swing arm is parallel with the blower arch. If the angle finder is not parallel to the arch the angle will be off.
 - Move the nozzle until the bottom of the nozzle is at the same angle as the swing arm while the angle finder is vertical.
- Arch 6 blower intakes face the wash Entrance. All other blowers, the intakes face the Exit.
- Top center brace bar should be placed on the driver side on Arch #1. Subsequent spreader bars should alternate.
- Distance is measured from center line of arch to the closest edge of the blower motor mount plate in a straight line.

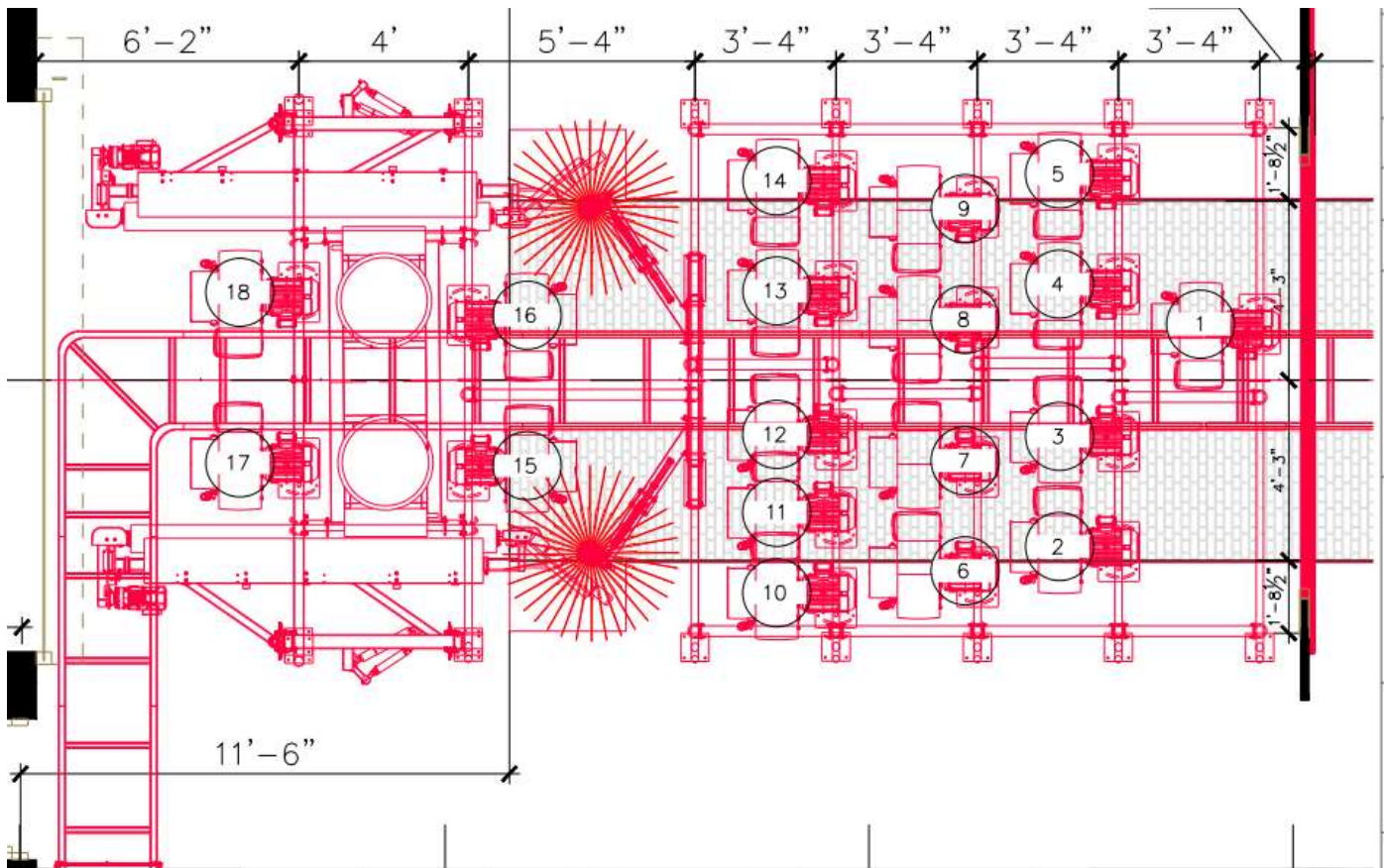


F/B Angle
Angle (Looking to the Exit)



L/R

Blower Layout



← Car Travel ←