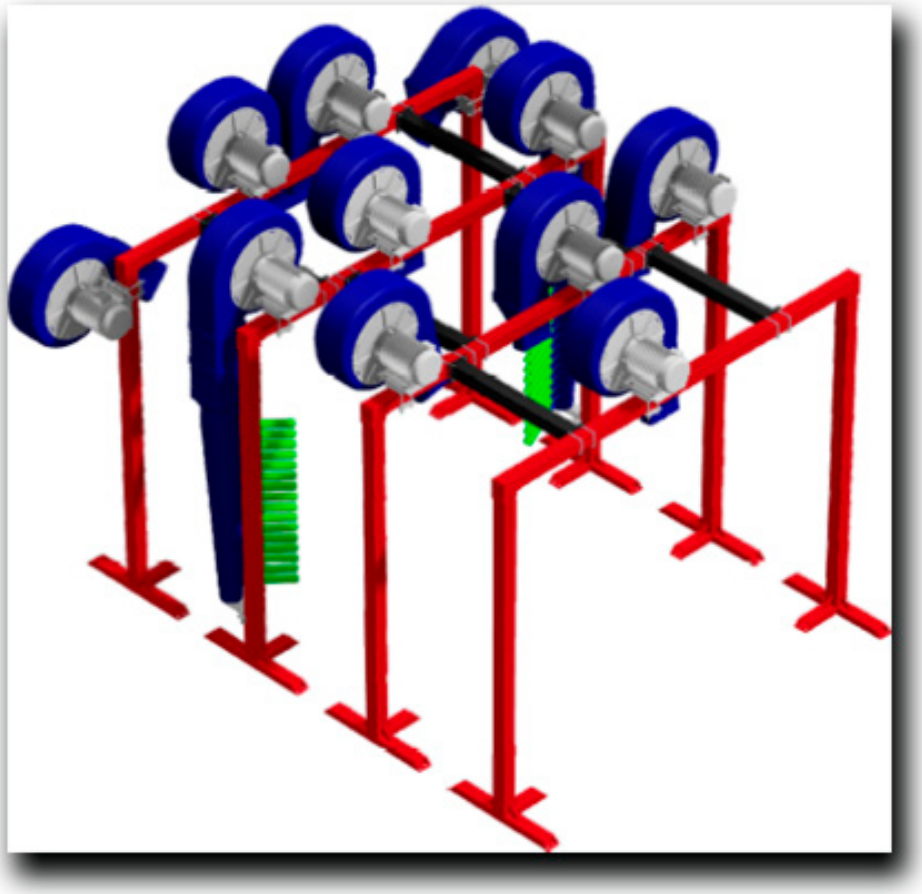
DRYER SYSTEM OWNER'S MANUAL



SONNY'S
The CarWash Factory

Contents

Sonny's Enterprises, Inc.
5605 Hiatus Road
Tamrac, FL 33321
18v1

Lifetime Warranty

Equipment manufactured by SONNY'S ENTERPRISES, INC. is warranted to be free from defect in material and workmanship. Welded metal framework and other non-moving, non-wearable fabricated metal components manufactured by SONNY'S are warranted for the life of the equipment to the original purchaser. Fabricated metal wearable surface and moving components manufactured by SONNY'S are warranted for a period of one (1) year to the original purchaser of the equipment.

All components assembled to SONNY'S equipment that are manufactured by others are warranted by the appropriate manufacturer and subject to that manufacturer's limited warranty. Contact SONNY'S for the specific information on other component manufacturer's warranty terms. All new cloth shipped with new SONNY'S equipment is warranted for a period of one (1) year or 80,000, whichever occurs first.

This warranty is not assignable or transferable. The warranty period begins the first day following installation or 30 days from the original invoice date, whichever occurs first. The Seller's liability shall be limited to repair or replacement of materials found to be defective within the warranty period. In the event of repair or replacement this limited warranty is noncumulative. The Purchaser must supply the Seller with immediate written notice when any defects are found. The Seller shall have the option of requiring the return of defective material to establish the Purchaser's claim. Neither labor nor transportation charges are included in this warranty. Transportation damage claims are to be submitted to the carrier of the damaged materials.

This warranty is based upon the Purchaser's reasonable care and maintenance of the warranted equipment. It does not apply to any equipment which has been subject to misuse, including neglect, accident or exposure to harsh chemicals or chemicals that react violently with: water, organic acids (e.g. acetic acid), inorganic acids (e.g. hydrofluoric acid), oxidizing agents (e.g. peroxides), and metals (e.g. aluminum). Chemicals corrosive to: aluminum alloys, carbon steel, and other metals. Nor does it apply to any equipment which has been repaired or altered by anyone not so authorized by SONNY'S. Further, the equipment must be properly installed with proper accuracy of all specified plumbing, electrical, and mechanical requirements. This warranty does not apply to normal wear and tear or routine maintenance components.

EXCEPT AS EXPRESSLY STATED HEREIN, SONNY'S SHALL NOT BE LIABLE FOR DAMAGES OF ANY KIND IN CONNECTION WITH THE PURCHASE, MAINTENANCE, OR USE OF THIS EQUIPMENT INCLUDING LOSS OF PROFITS AND ALL CLAIMS FOR CONSEQUENTIAL DAMAGES. THE LIMITED WARRANTY EXPRESSED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED. SONNY'S NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION HEREWITH.

Customer Service

	Voice	Fax
Installation or Operation Issues:	800-327-8723	800-495-4049
Parts and Supplies:	954-720-4100	954-720-9292
Sales Inquiries:	800-327-8723	800-495-4049
	Email sales@SonnyDirect.com	

You can also visit the web at www.SonnysDirect.com.

Sonny's Enterprises Inc.
5605 Hiatus Road
Tamarac, FL 33321

5.18.2018

Safety Information

The equipment described in this manual is powered by potentially lethal electrical voltages. It is vitally important to follow all safety precautions described in this manual. Failure to follow these precautions can result in injury or possibly death. The following paragraphs describe the safety information contained in the manual.

Symbols Used in This Manual

⚠ DANGER

The DANGER symbol indicates a hazardous situation which, if not avoided, could result in severe injury or death.

⚠ CAUTION

The CAUTION symbol indicates a hazardous situation which, if not avoided, could result in minor injury or damage to the equipment.

⚠ NOTE

The Note symbol indicates an important step or tip that leads to best results, but is not safety or damage related.

General Safety Precautions

- ⓘ All employees must be thoroughly trained in safe operation and standard maintenance practices. All employees must review this entire manual monthly.
- ⓘ Do not enter the wash tunnel when the equipment is operating. Death or dismemberment may occur.
- ⓘ Do not wear loose fitting clothing or jewelry around moving equipment. Do not allow any part of your body or other objects (including ladders, hoses or tools) to come in contact with moving equipment. Entanglement may result causing death or dismemberment.
- ⓘ Do not leave a ladder or any other items such as wash down hoses or tools in the wash tunnel while equipment is running. Vehicle damage and injury, including death, can occur.
- ⓘ Always exercise caution when walking (never run) through the wash tunnel as there may be slippery conditions. Be careful so you do not bump into or trip over equipment.
- ⓘ Only those employees specifically instructed and trained by the location management are permitted to enter the wash tunnel to perform inspections or maintenance. At least two qualified maintenance people must be present when performing equipment repairs or preventive maintenance.
- ⓘ Do not perform any maintenance or work on equipment unless you first perform Lock-Out Safety Precautions. All electrically powered equipment must have manually operated disconnects capable of being locked in the “OFF” position. Equipment that has been “locked out” for any reason must be restarted only by the person who performed the “lock out” operation.

General Safety Precautions - Cont.

- When working on any equipment that is higher than your shoulders, always use a fiberglass ladder that is in good condition.
- Do not attempt to repair or adjust any pressurized liquid or pneumatic part, hose, pipe or fitting while that equipment is in operation.
- Electrical connections and repairs must be performed by a Licensed Electrician Only.
- Emergency "STOP" buttons must be well marked and their location and proper use reviewed with all personnel. Any activated "STOP" button must be reset only by the person who activated it. Clear the wash tunnel of any people, ladders, hoses, tools and other loose items before restarting the equipment. An audible device must sound to warn people that the equipment is starting.
- Do not operate any piece of equipment that requires safety covers with those covers removed or improperly installed. Do not operate any piece of equipment if any component of that piece is suspected to be defective or malfunctioning.
- Store all cleaning and washing solutions and oils in a well-ventilated area. Clean up fluid spills immediately to prevent hazardous safety conditions. Be certain to follow all safety procedures on SDS Sheets for each chemical product used.
- All hydraulic and electric systems in the wash tunnel equipped with a torque relief or overload should be checked and set at the minimum amount that will allow for proper functionality under normal washing conditions.
- No unauthorized people should ever be permitted in the wash tunnel or near the equipment at any time.

⚠ Caution

When a piece of equipment must be in operation during inspection or maintenance, one qualified technician must stay at the power disconnect switch while another qualified technician performs the inspection or maintenance.

1. Introduction

1.1 General

This Manual contains information that is vital to the successful installation, operation and maintenance of your SONNY'S vehicle washing equipment. Please read, and understand, the full contents of this manual before installation and operation of the equipment. Keep this booklet in a location where it may be used for ongoing reference.

THANK YOU FOR YOUR CONFIDENCE IN SONNY'S!!!

1.2 Product Specifications

- Poly Construction Housing.
- Touch free drying
- 10 & 15 horsepower air producers standard.
- Configurable from 10HP to 270HP systems.
- Each 15HP air producer delivers 4400CFM (cubic feet per minute) of air.
- Each 10HP air producer delivers 3800CFM (cubic feet per minute) of air.
- TEFC electric motors standard. RU, CSA, CE Listed.
- One arch with three air producers requires 37 inches of wash tunnel length.
- Each additional arch with air producers requires an additional 46 inches of wash tunnel length.
- Models with side air producers require 185 inches of wash tunnel width.
- Models with top air producers ONLY require 131 inches of wash tunnel width.
- Models with side air producers ONLY require 108 inches of wash tunnel height.
- Models with top air producers require 134 inches of wash tunnel height.
- Inside clearance between side air producers is 109 inches.
- Gator option to reduce electric consumption and instant close feature to stop air flow for truck bed.
- Top Flip nozzles to better dry the rear of SUVs.
- Mammoth side air dryers also available.
- Duck Bill dual nozzle optional.

1.3 Electrical Specifications for Air Dryer Motors

HP	Volts	Amps	RPM
15	208	40	3600
15	230	35	3600
15	460	17.7	3600
10	208	26.7	3600
10	230	23.8	3600
10	460	11.9	3600

2. Installation

2.1 Utilities Requirements

⚠ CAUTION

Be certain that all electric motors are properly wired for the supply voltage being used!

⚠ CAUTION

Wire all air producer three phase motors for a "staggered" start. That is, no more than one motor should be started at the same time!

⚠ CAUTION

Utilities interconnection and the materials required for interconnection to sonny's equipment are the responsibility of the customer ! Perform all trades work to all applicable local and national codes!

⚠ NOTE

Although building codes have been considered in developing all drawings, verification of site-specific conditions and compliance with federal, state and local building codes is the exclusive responsibility of the customer and/or architect and engineer.

1. The Customer's Electrician is to provide materials and install 3-phase power (208V or 240V or 460V, 60 Hz) to the air dryer electric motors on the dryer arch through properly sized 3 pole circuit breakers and motor starters with 3 thermal overloads.
2. The Customer's Electrician is to provide materials and install single phase power from the Customer's equipment programmer (equipment start-stop system) to the actuation controls for each electric motor on the air dryer.

⚠ CAUTION

Do not use wire nuts to connect 3 phase wiring at the electric motor terminal box!!! Only use split bolt type connectors with electrical insulation tape and rubber insulator boots. See Figure 1.

Typical split bolt connector.

Use to connect 3-phase wiring at electric motor terminal box.

Figure 1. Split Bolt Connector

2.2 Optional Top Flip Function

Electric: If the top nozzle "flip" or Gator function is ordered, the Customer's Electrician is to provide materials and install single phase control power (24VAC or 115VAC) from the Customer's equipment Programmer function to the Sonny's supplied 4-way air valve.

Pneumatic: If the "flip" function or Gator is ordered, the installer is to provide materials and install a 3/8 inch compressed air line from the Air Compressor to and from the supplied air regulator, 4-way air solenoid valves, and "flip" air cylinder on the Dryer Producer assembly. Compressed air requirement is approximately 1.5CFM @ 60PSI.

3. Equipment Measurements

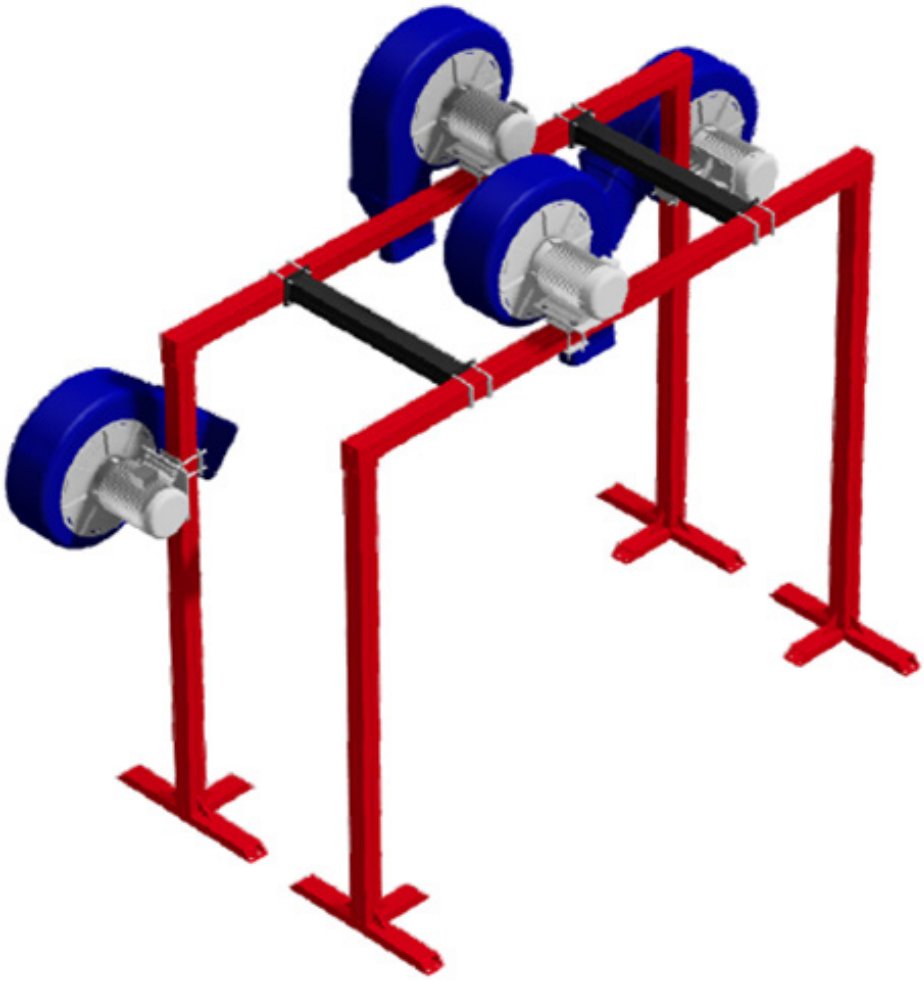


Figure 2. Dimensions - Sheet 1

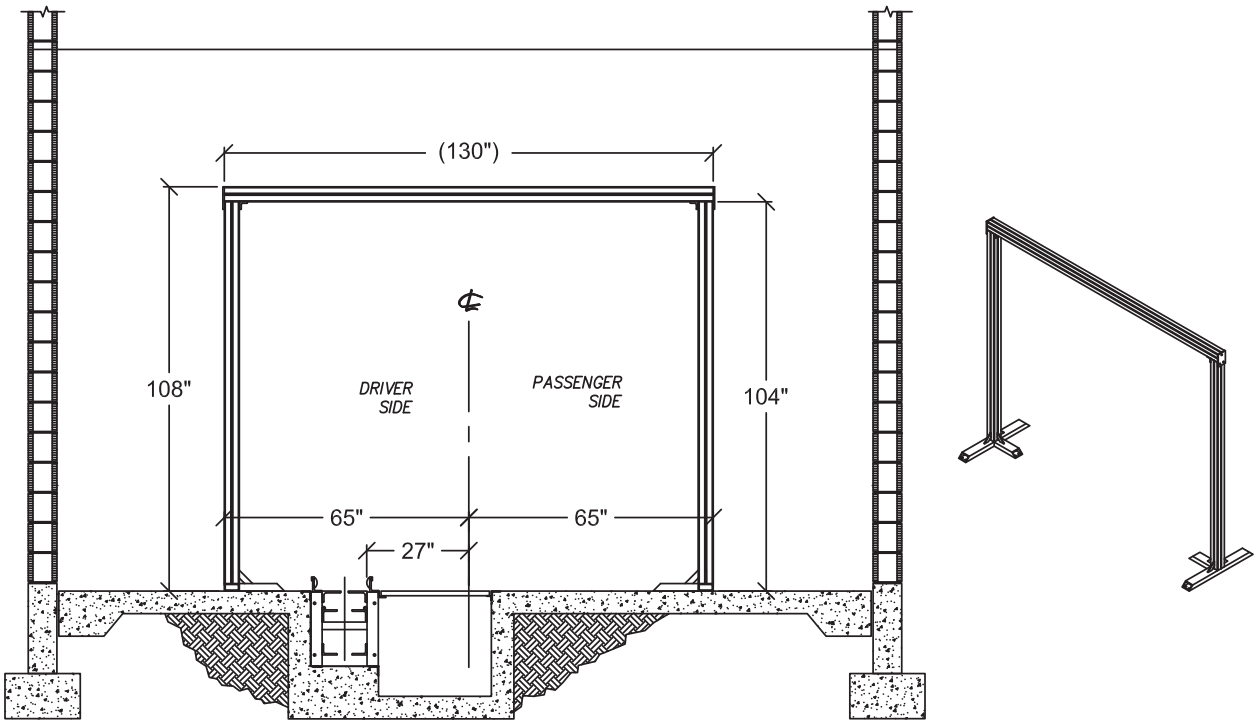


Figure 3. Conveyor Center Line - 130” Wide Arch

- Conveyor center line is 27” from the inside passenger side guide rail
- Models with top air producers ONLY require 131 inches of wash tunnel width.
- One arch with three air producers requires 37 inches of wash tunnel length.
- Models with top air producers ONLY require 131 inches of wash tunnel width.
- Models with top air producers require 134 inches of wash tunnel height.

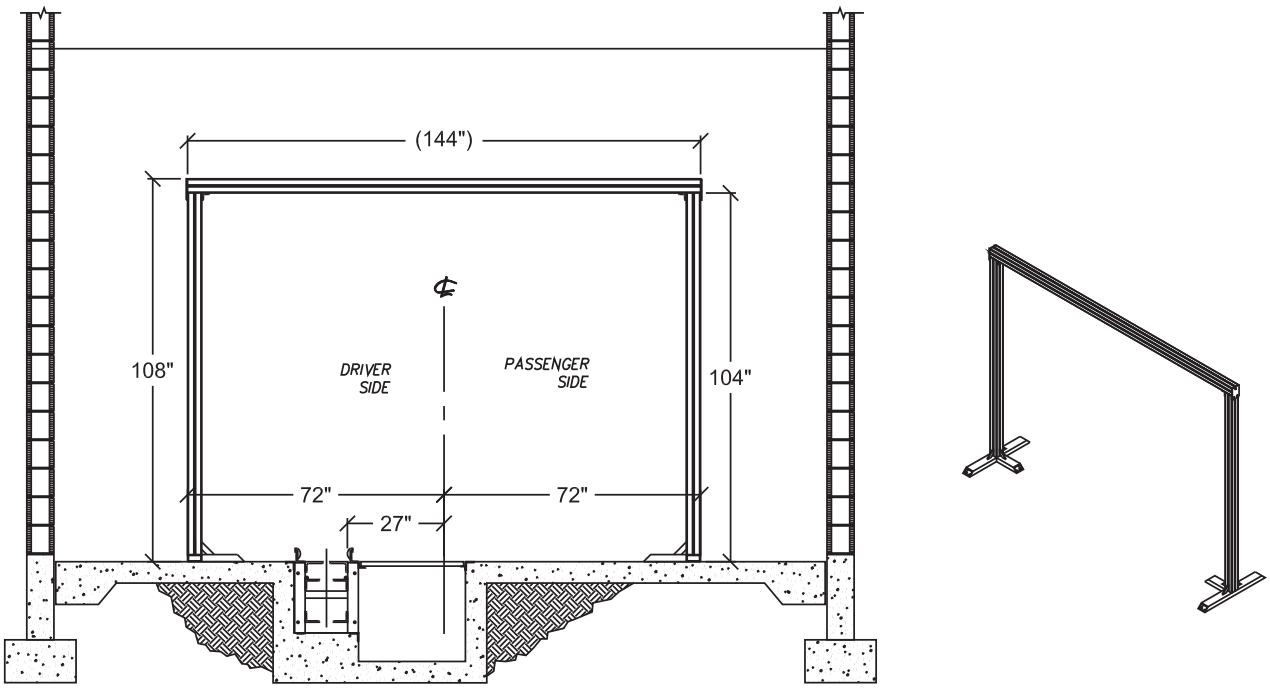


Figure 4. Conveyor Center Line - 144” Wide Arch

- Conveyor center line is 27” from the inside passenger side guide rail
- Models with top air producers ONLY require 131 inches of wash tunnel width.
- One arch with three air producers requires 37 inches of wash tunnel length.
- Models with top air producers ONLY require 131 inches of wash tunnel width.
- Models with top air producers require 134 inches of wash tunnel height.

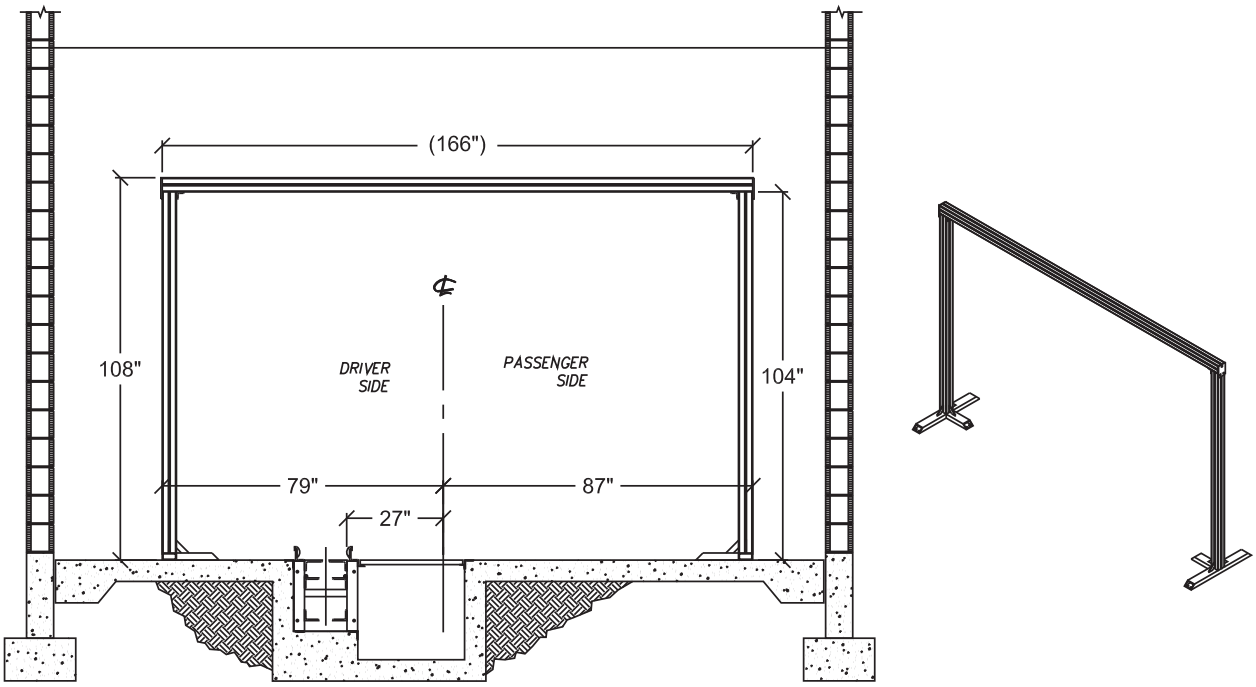


Figure 5. Conveyor Center Line - 166" Wide Arch

- Conveyor center line is 27" from the inside passenger side guide rail
- Models with top air producers ONLY require 131 inches of wash tunnel width.
- One arch with three air producers requires 37 inches of wash tunnel length.
- Models with top air producers ONLY require 131 inches of wash tunnel width.
- Models with top air producers require 134 inches of wash tunnel height.

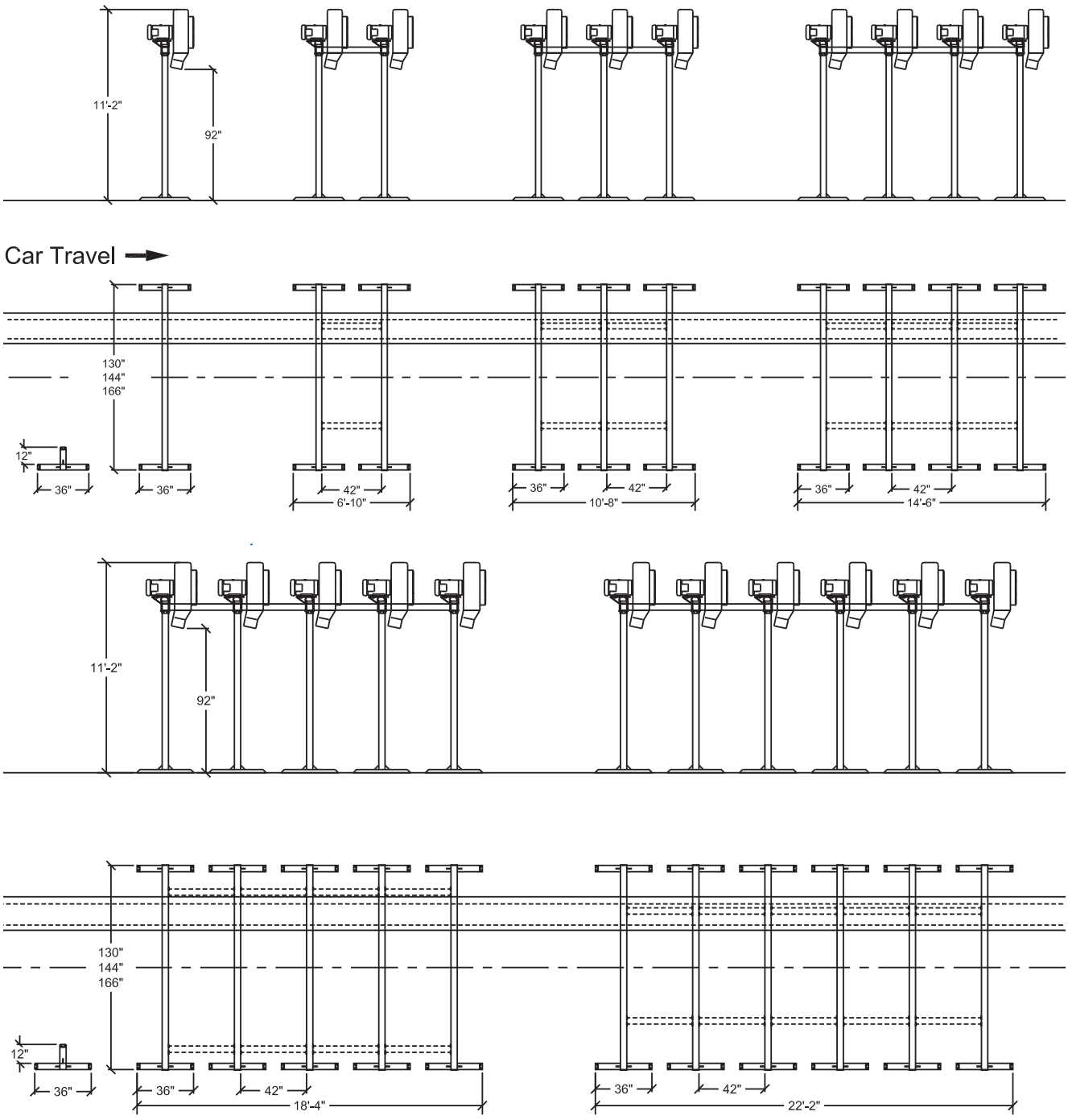


Figure 6. Blower Arch Layout and Measurements

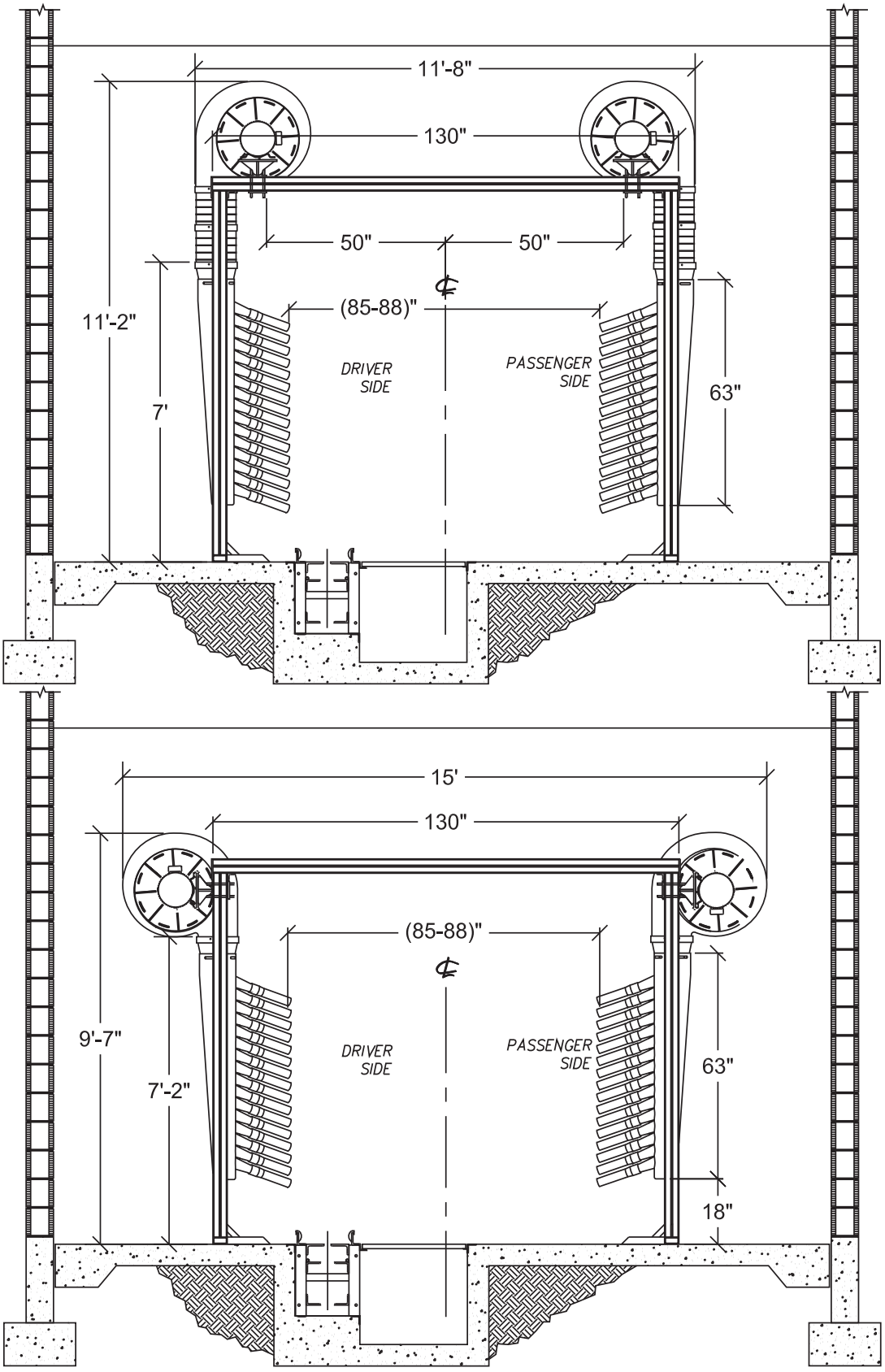


Figure 7. Dryer Positioning and Measurements (Sheet 1)

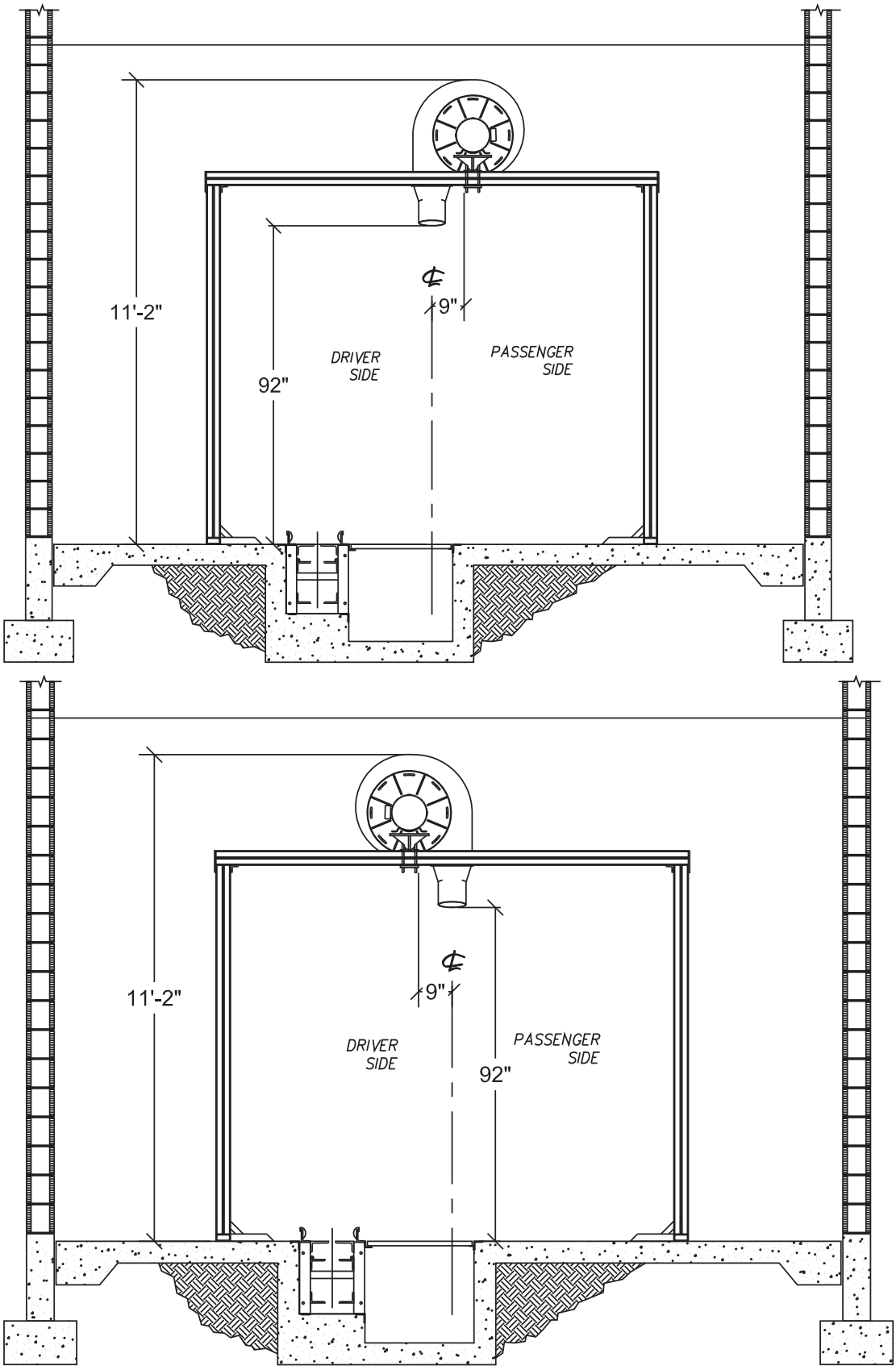


Figure 7. Dryer Positioning and Measurements (Sheet 2)

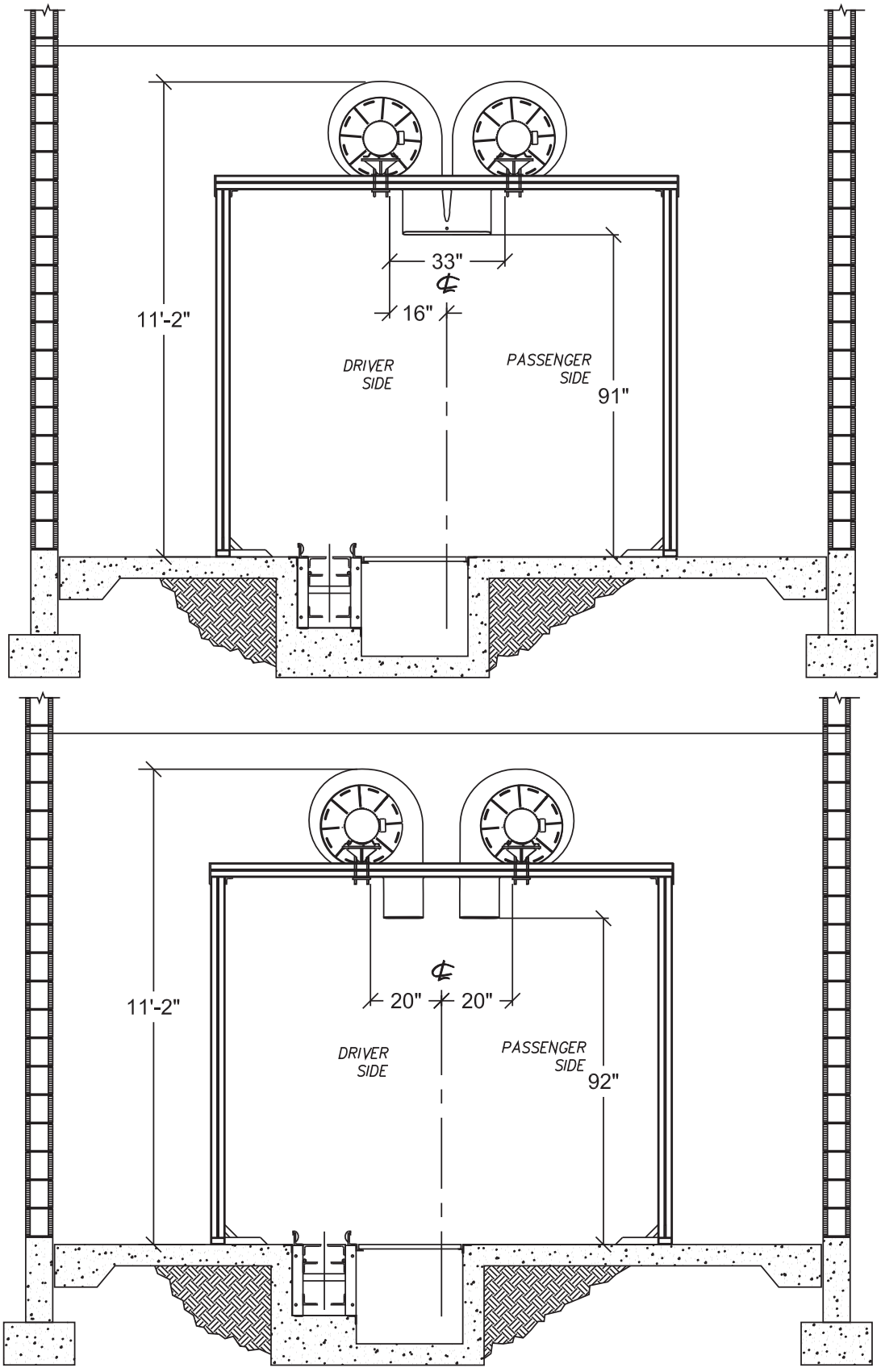


Figure 7. Dryer Positioning and Measurements (Sheet 3)

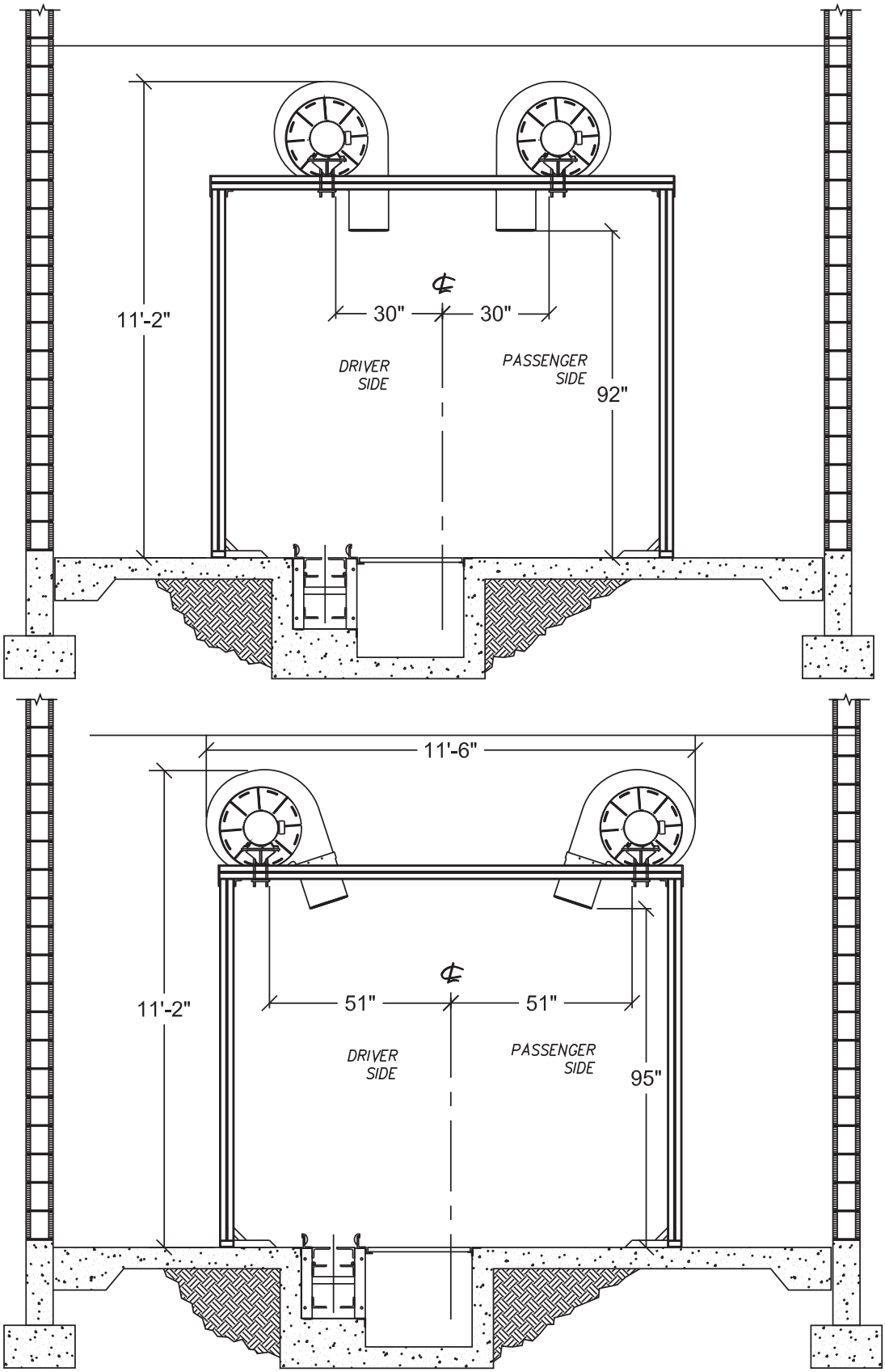


Figure 7. Dryer Positioning and Measurements (Sheet 4)

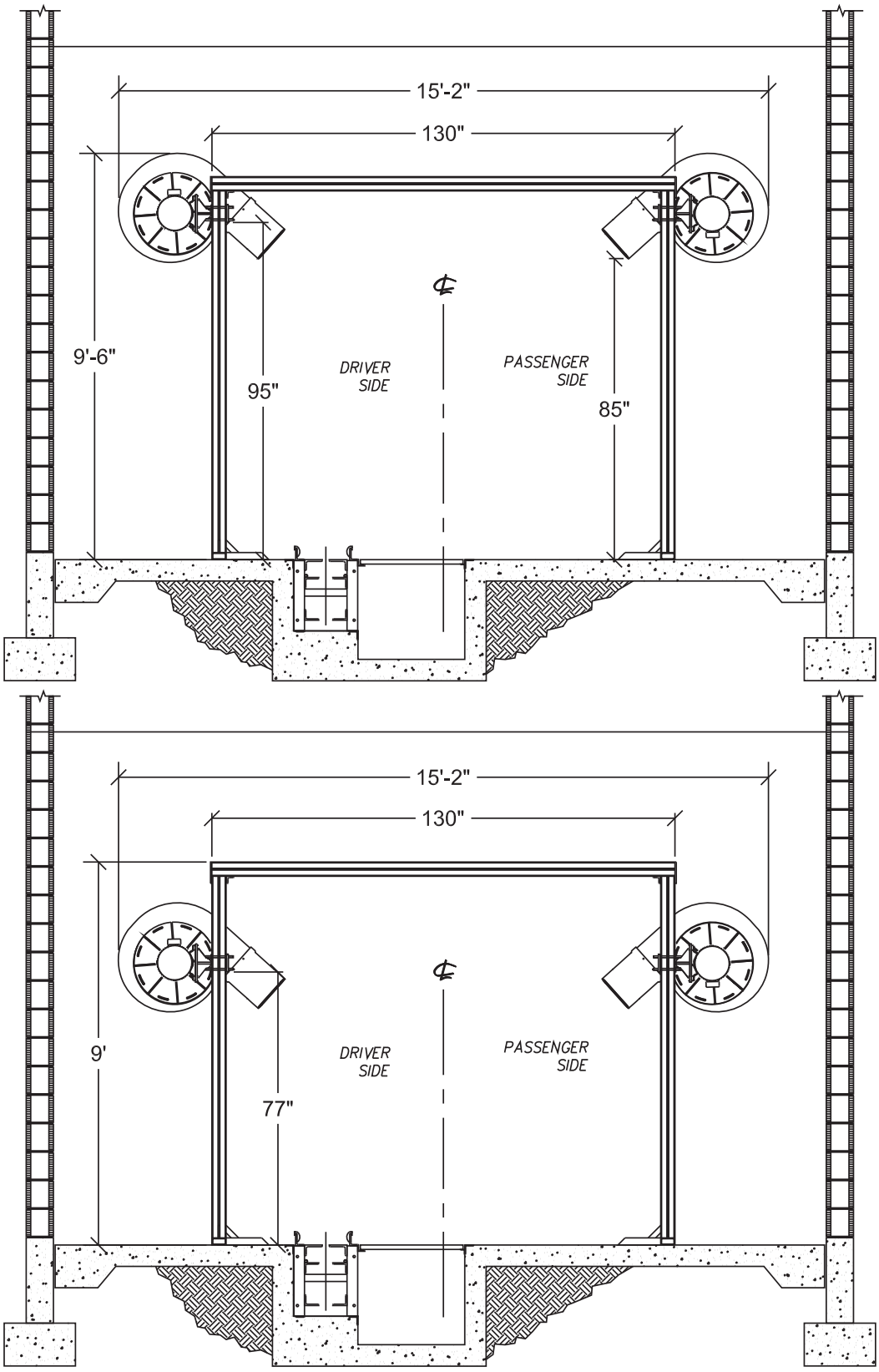


Figure 7. Dryer Positioning and Measurements (Sheet 5)

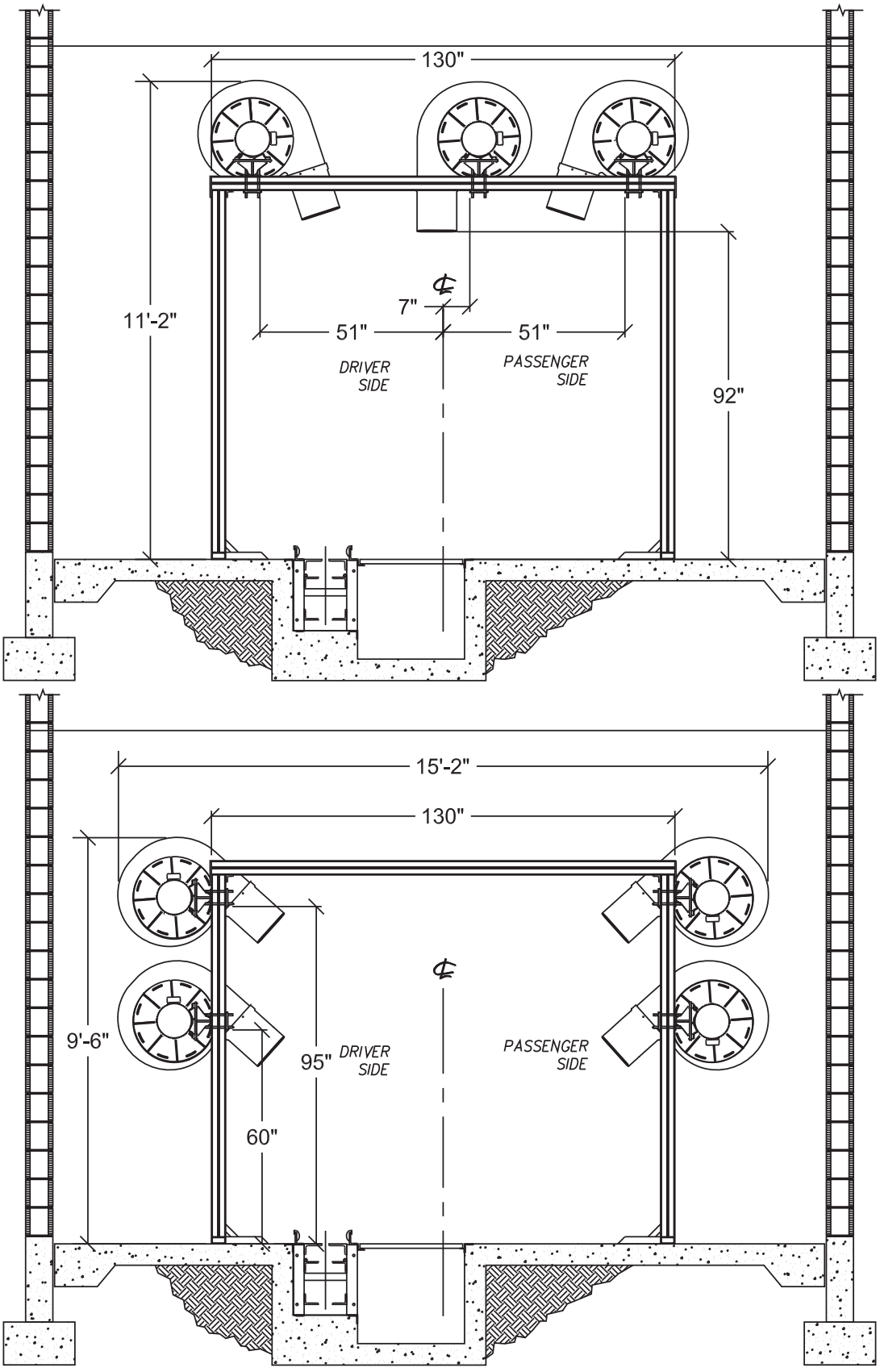


Figure 7. Dryer Positioning and Measurements (Sheet 6)

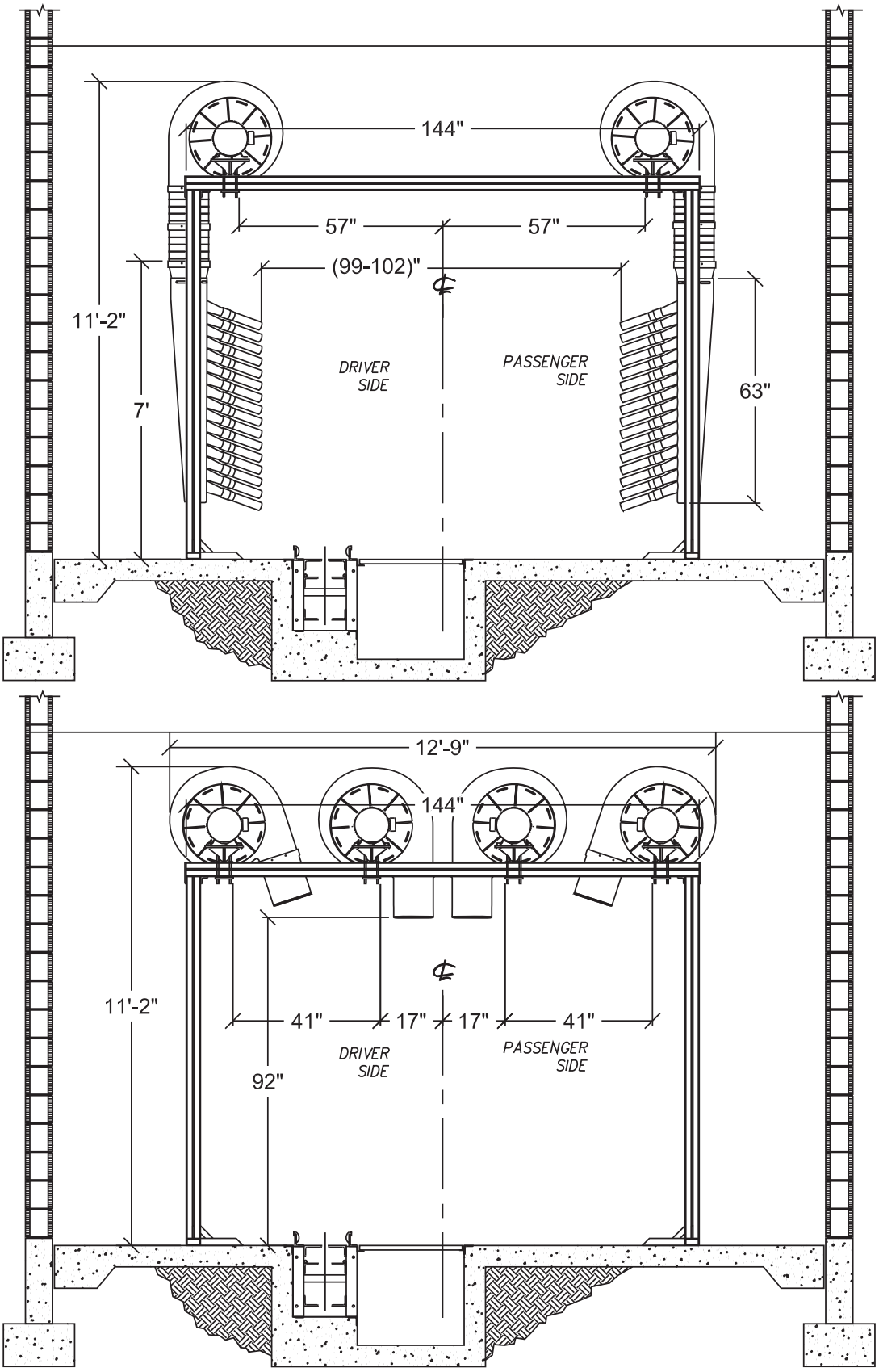


Figure 7. Dryer Positioning and Measurements (Sheet 7)

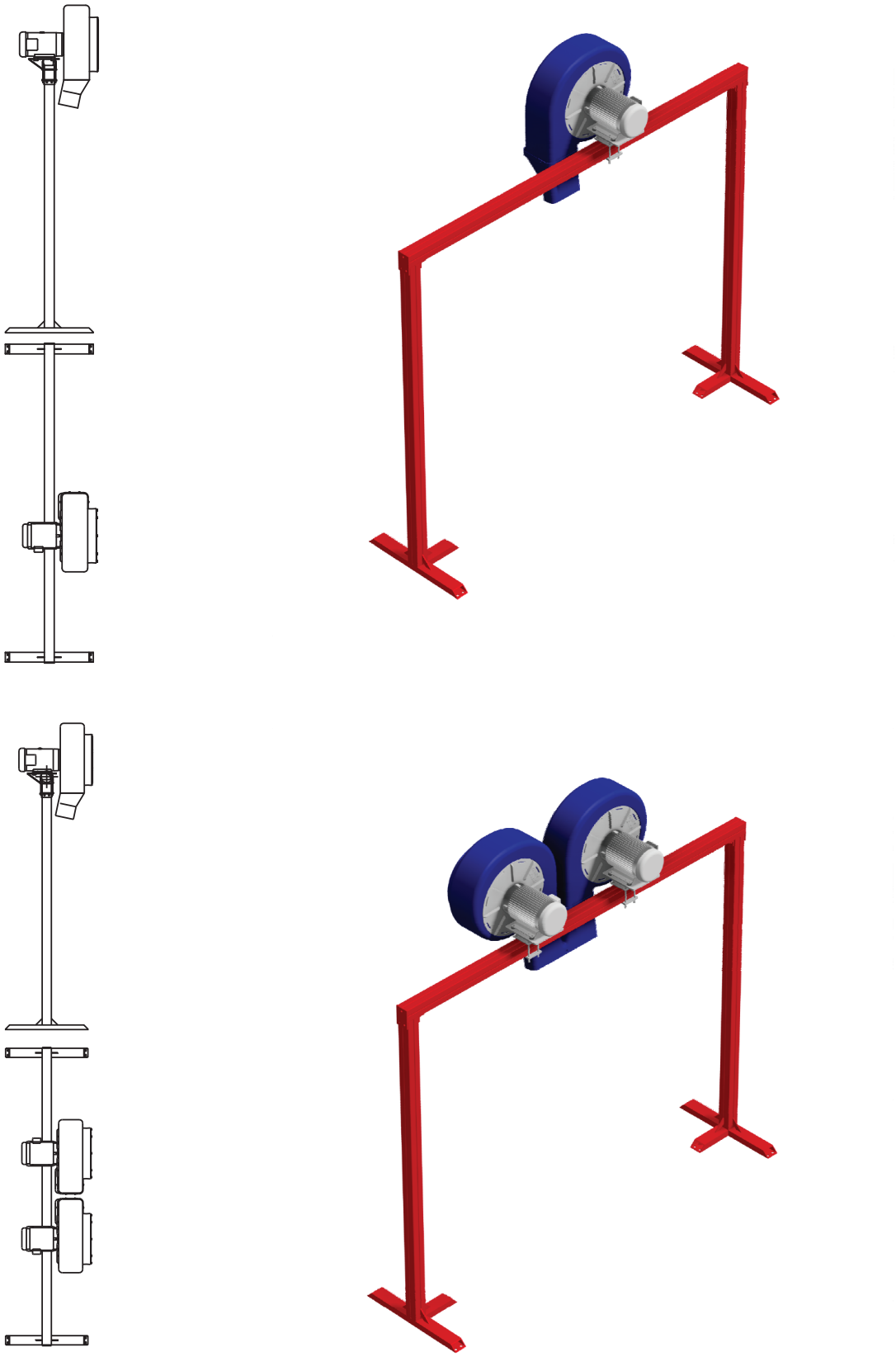


Figure 8. One Arch Blower System Configurations (Sheet 1)

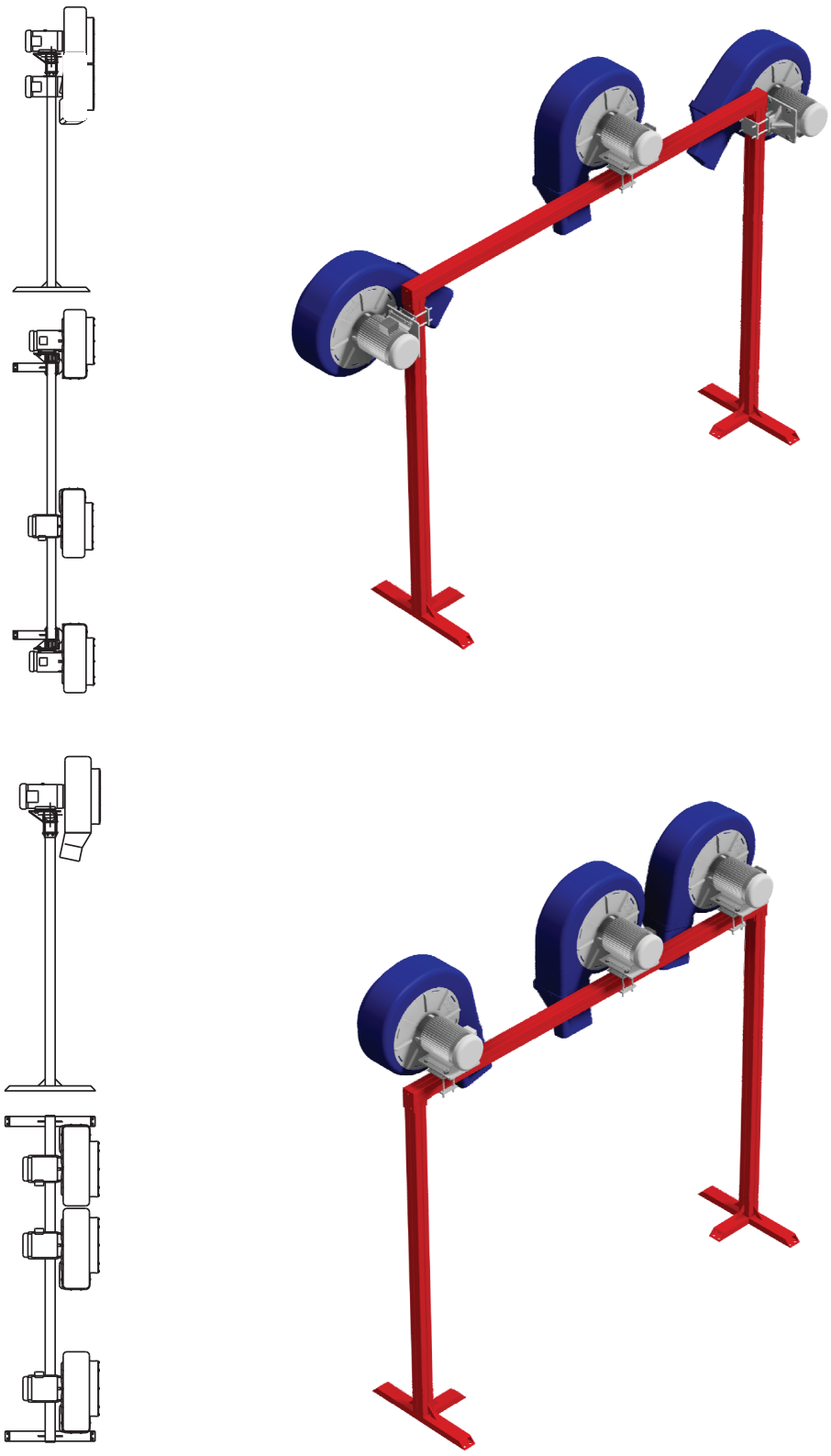


Figure 8. One Arch Blower System Configurations (Sheet 2)

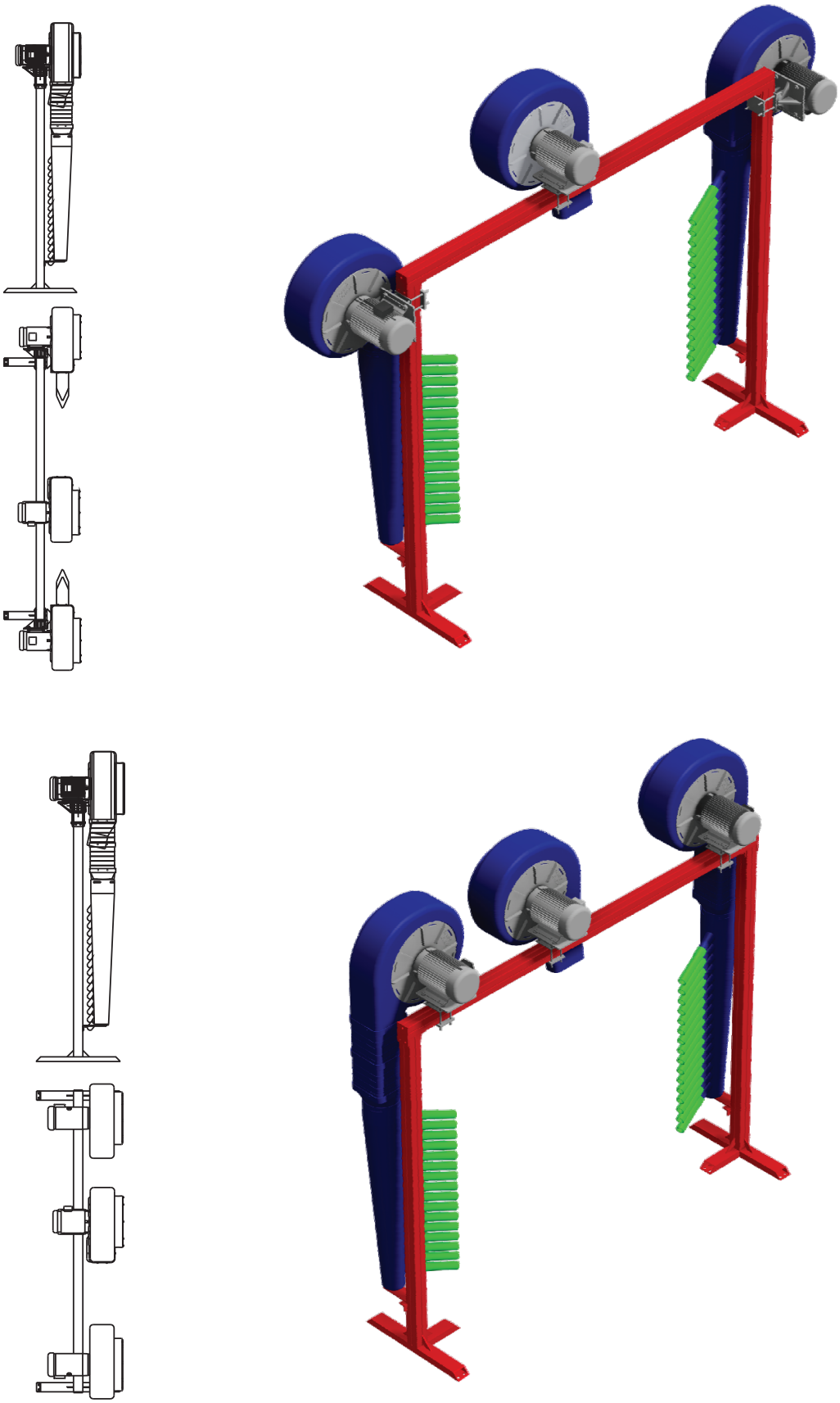


Figure 8. One Arch Blower System Configurations (Sheet 3)

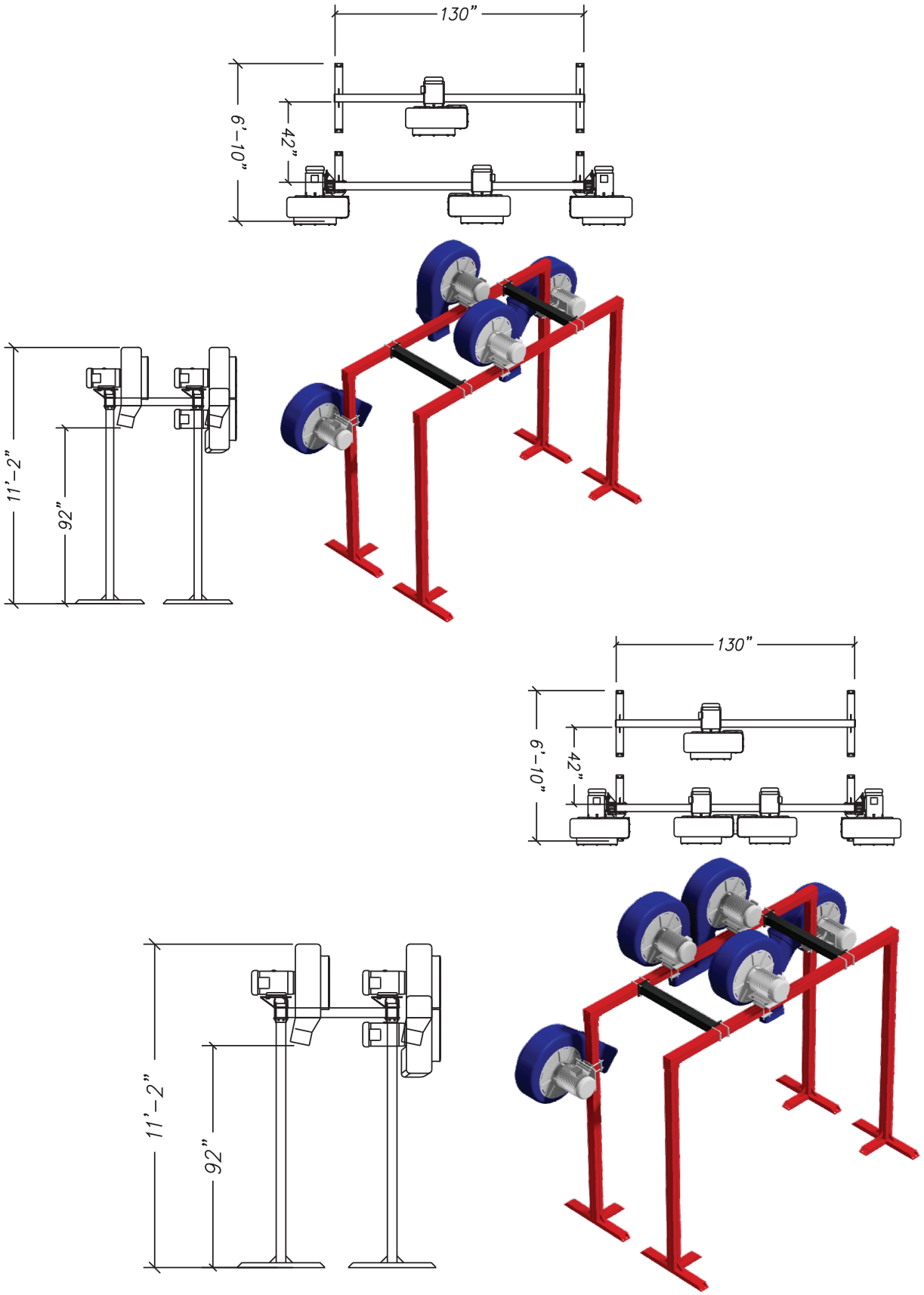


Figure 9. Two Arch Blower System Configurations (Sheet 1)

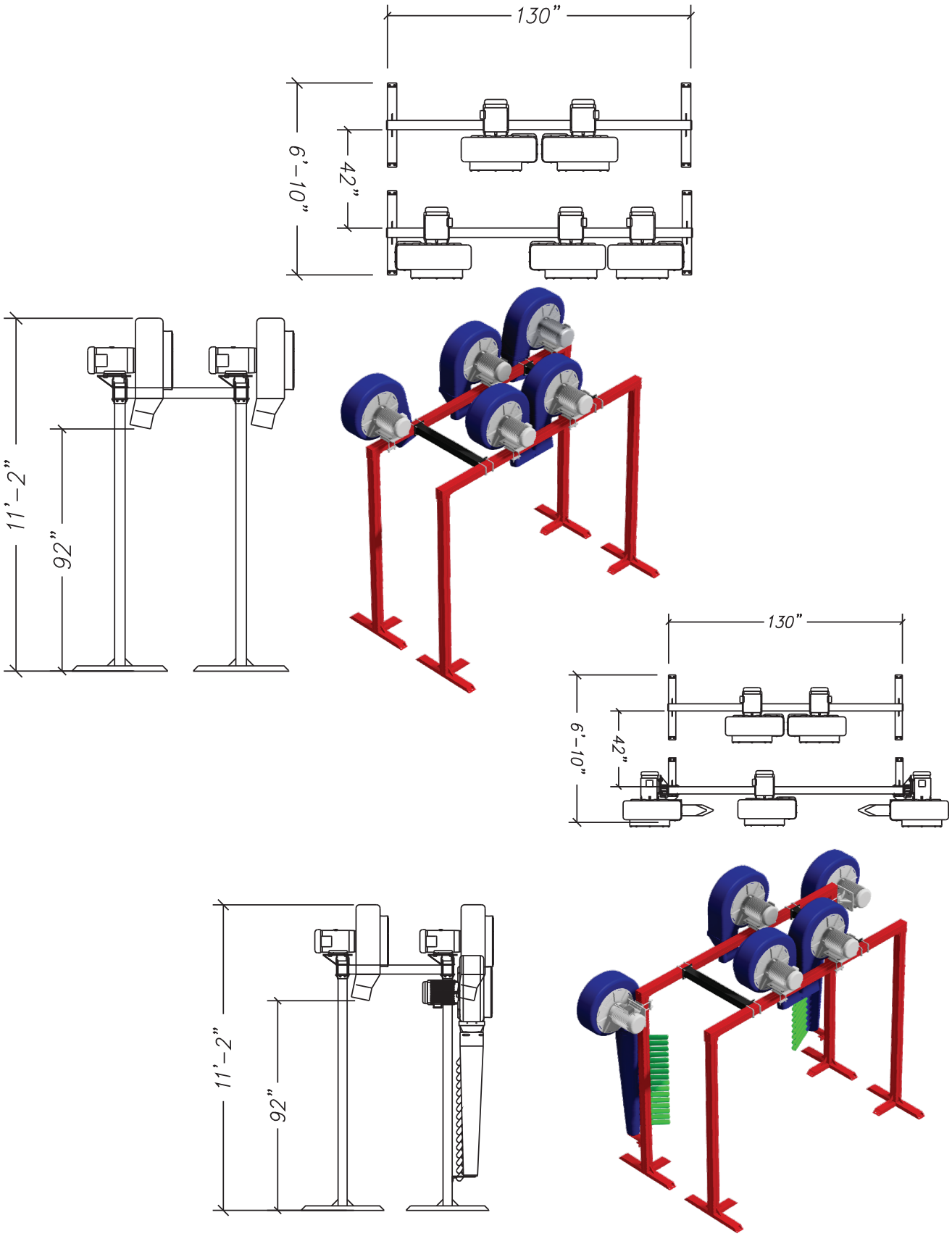
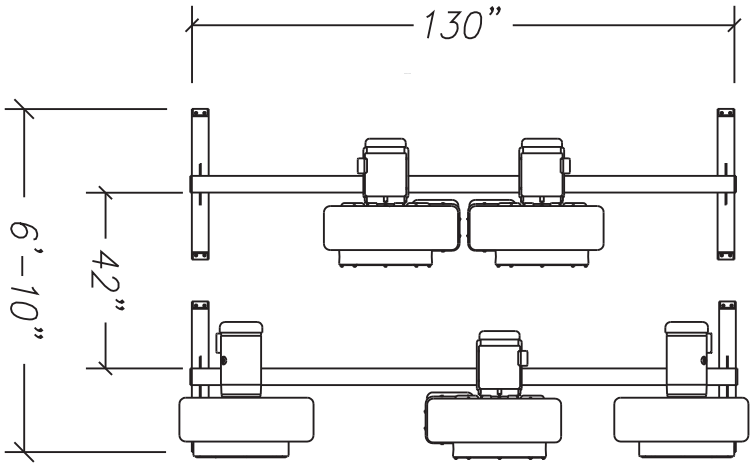
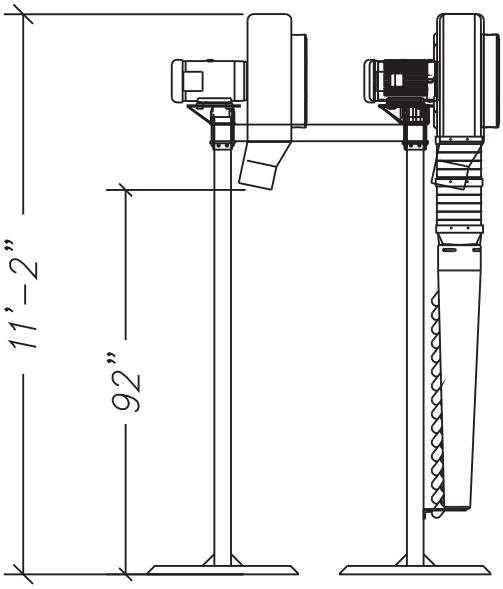


Figure 9. Two Arch Blower System Configurations (Sheet 2)





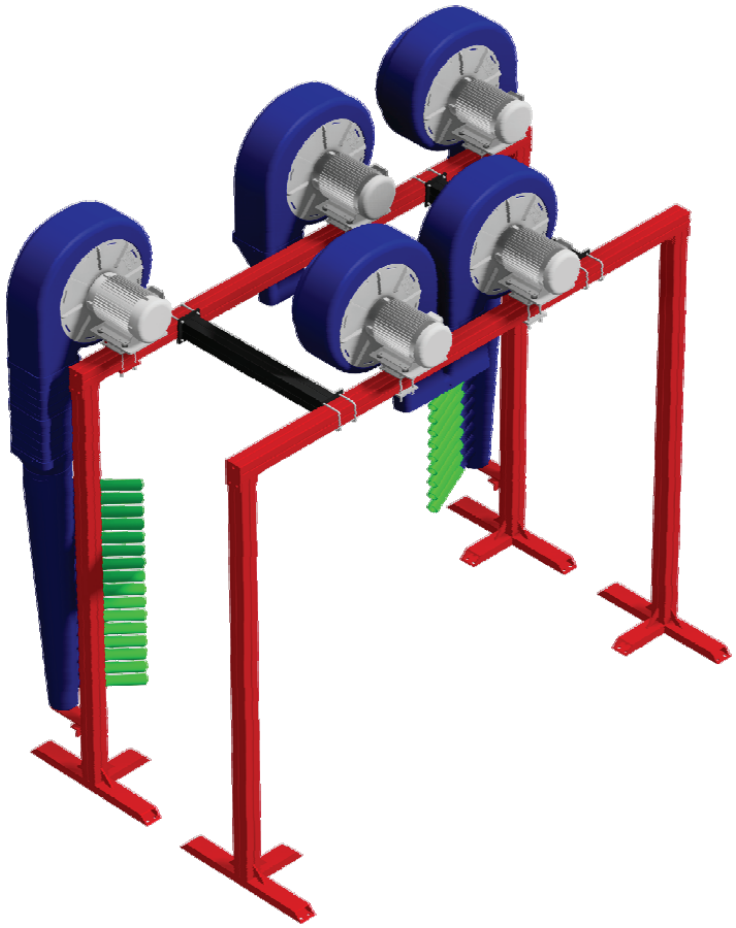
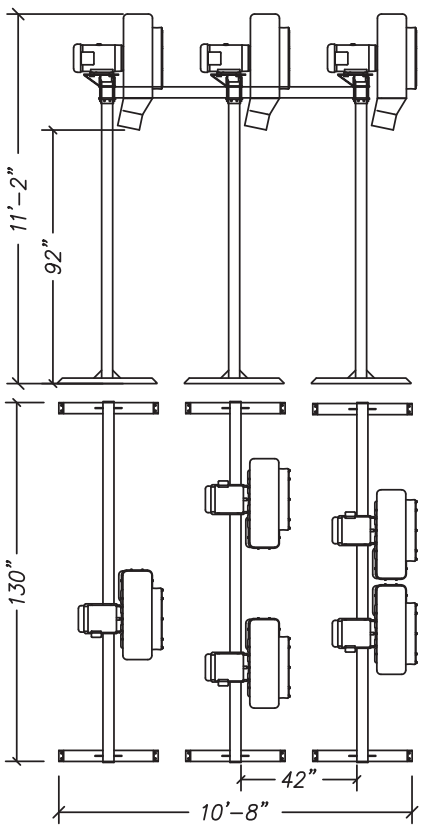
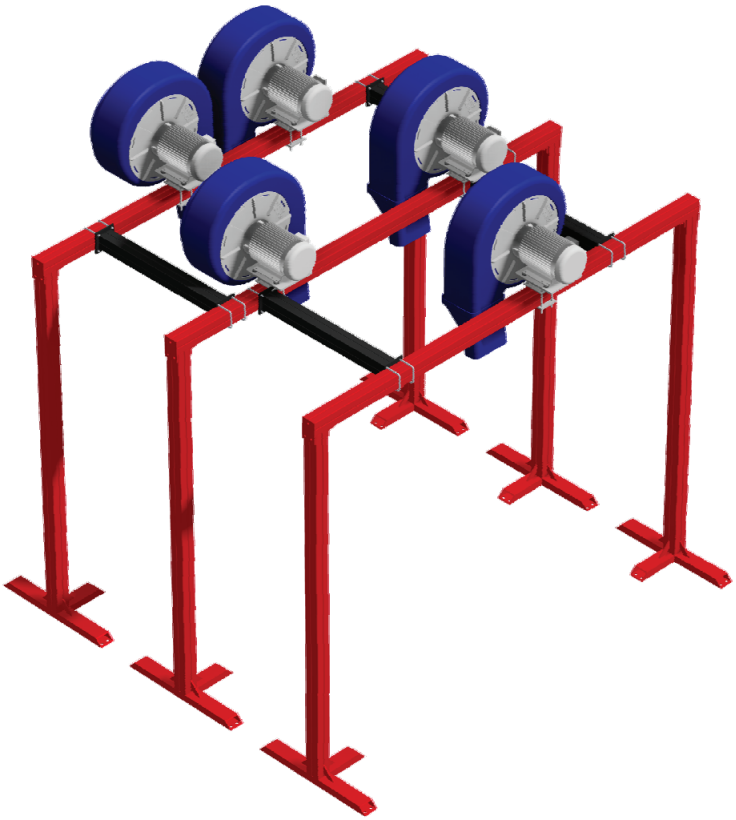
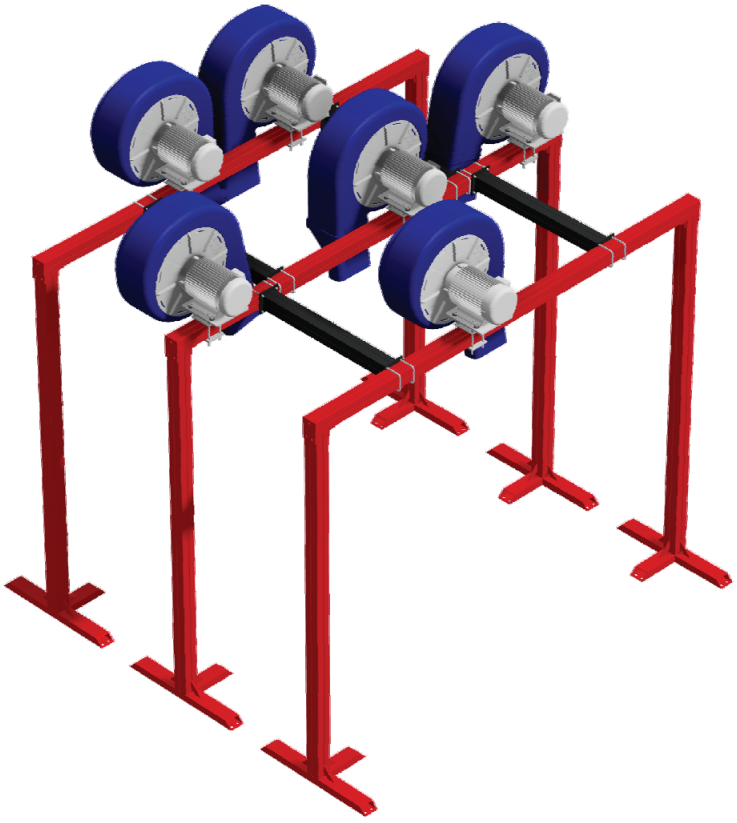


Figure 9. Two Arch Blower System Configurations (Sheet 3)







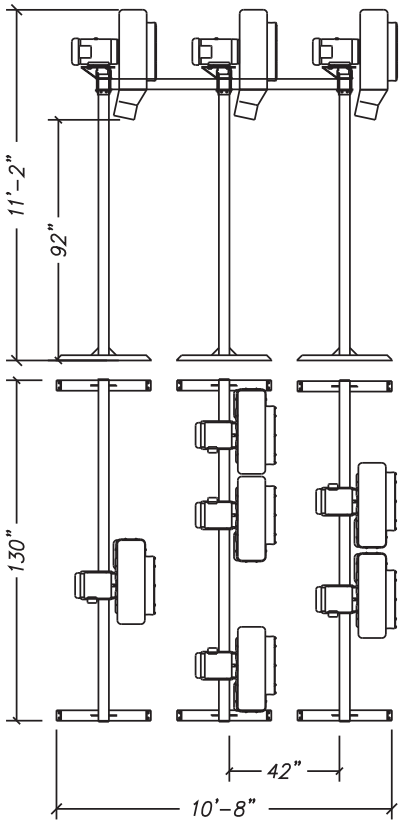
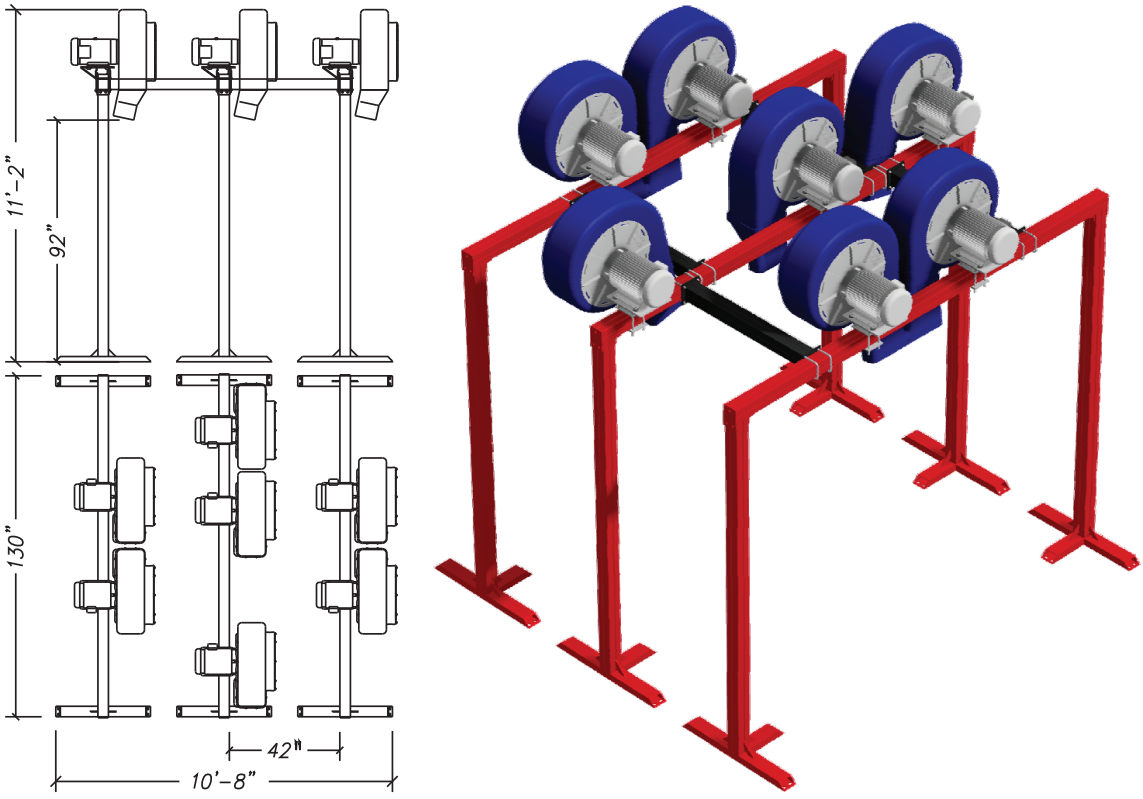


Figure 10. Three Arch Blower System Configurations (Sheet 1)



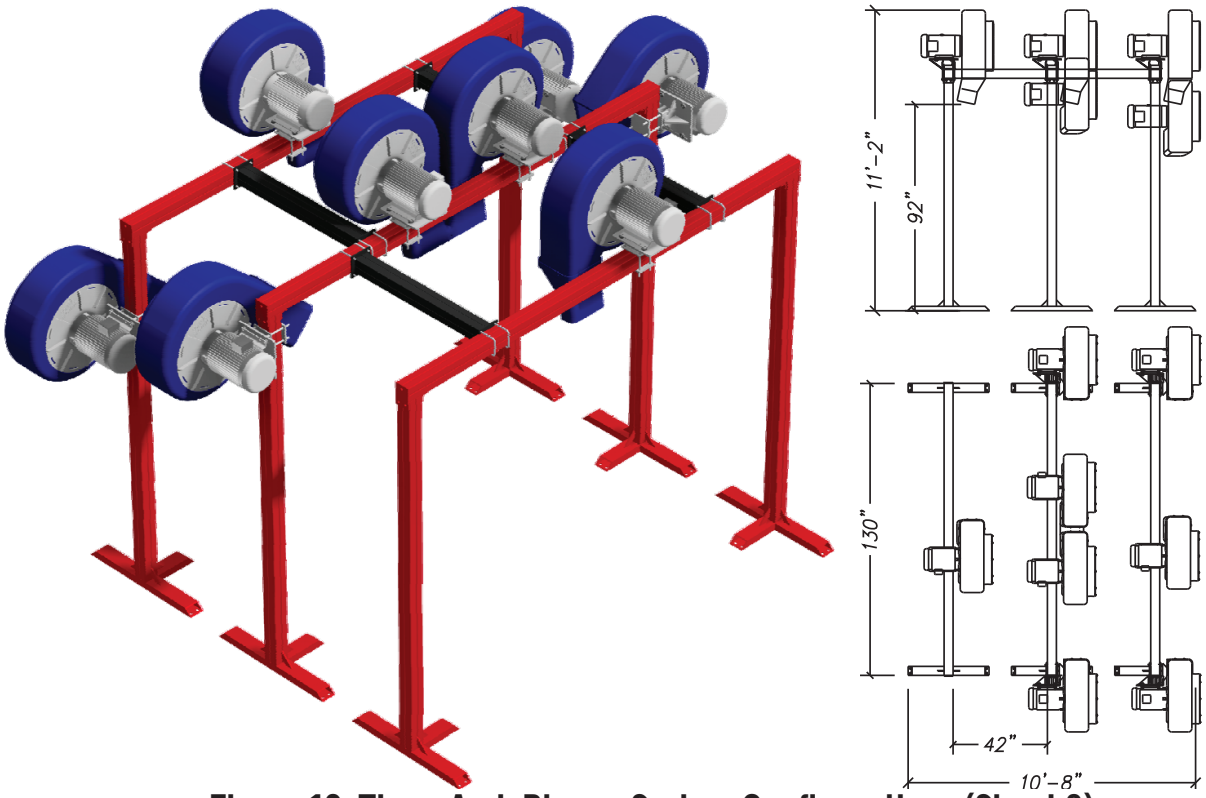


Figure 10. Three Arch Blower System Configurations (Sheet 2)

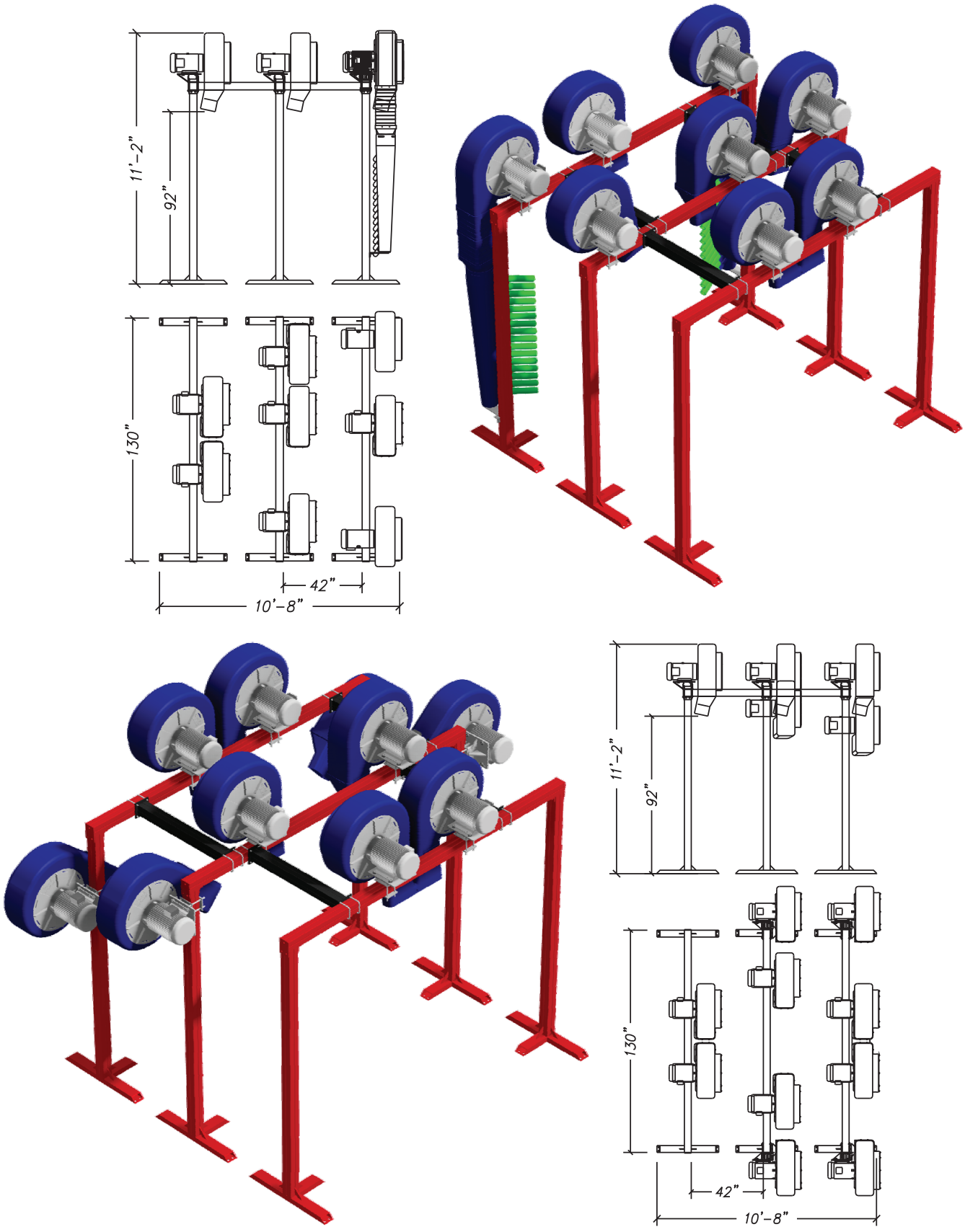
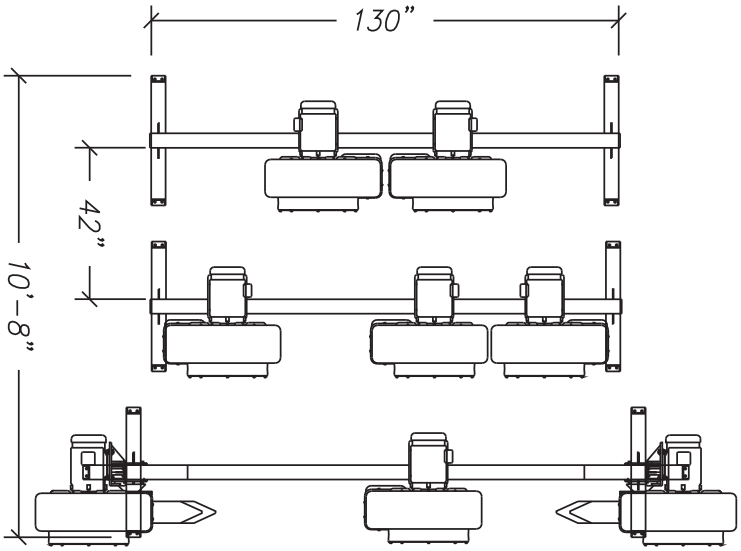
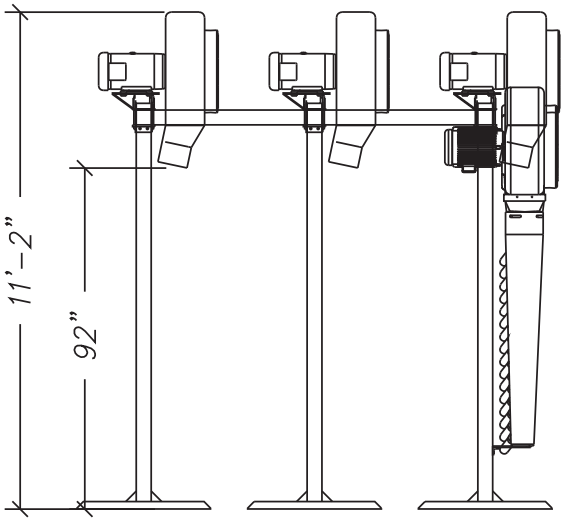


Figure 10. Three Arch Blower System Configurations (Sheet 3)





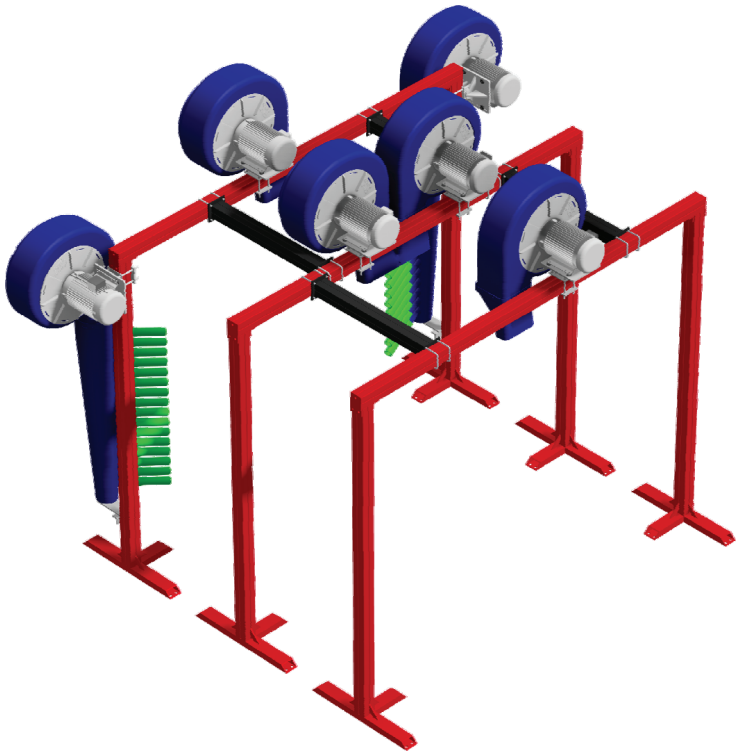


Figure 10. Three Arch Blower System Configurations (Sheet 4)

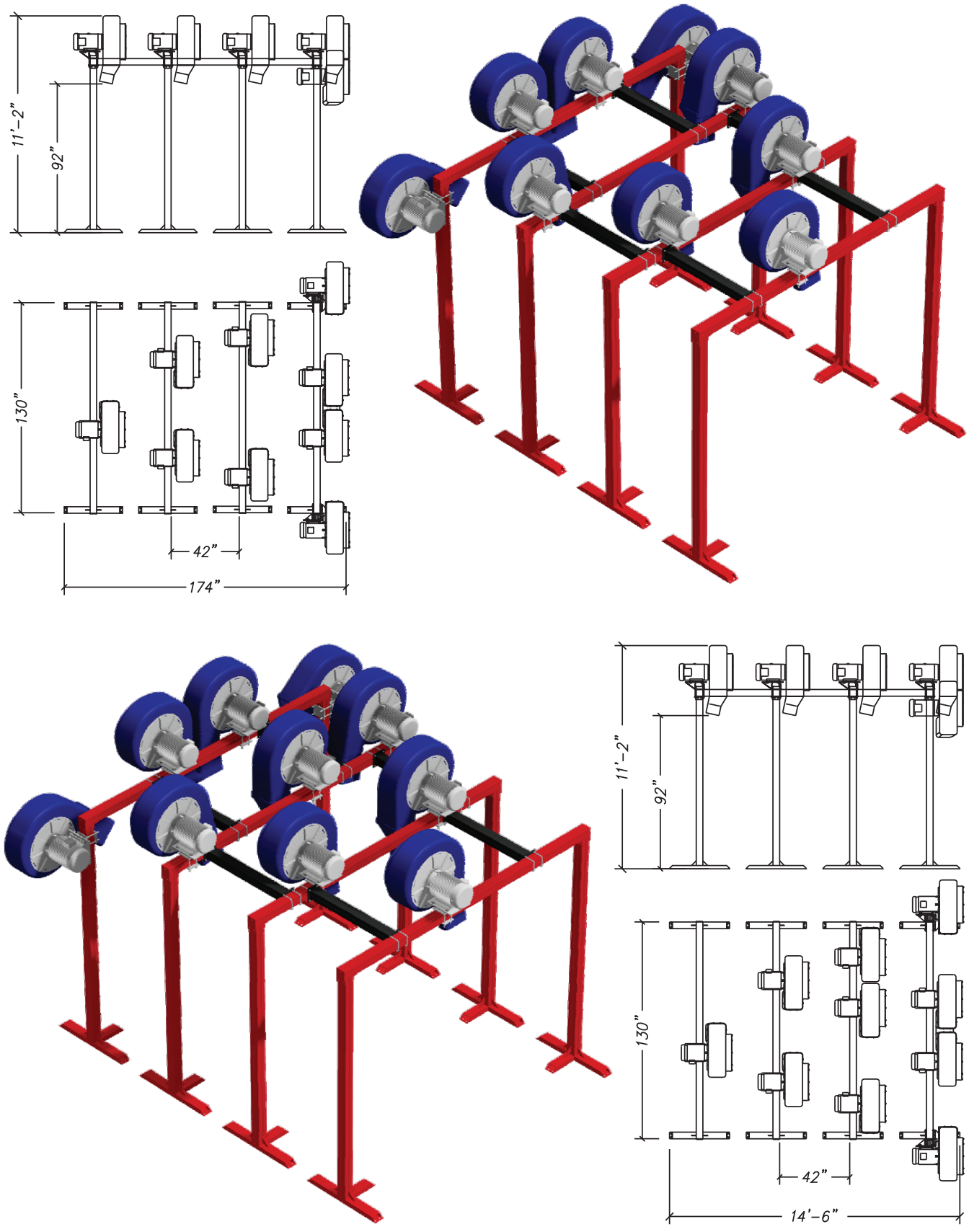


Figure 11. Four Arch Blower System Configurations (Sheet 1)

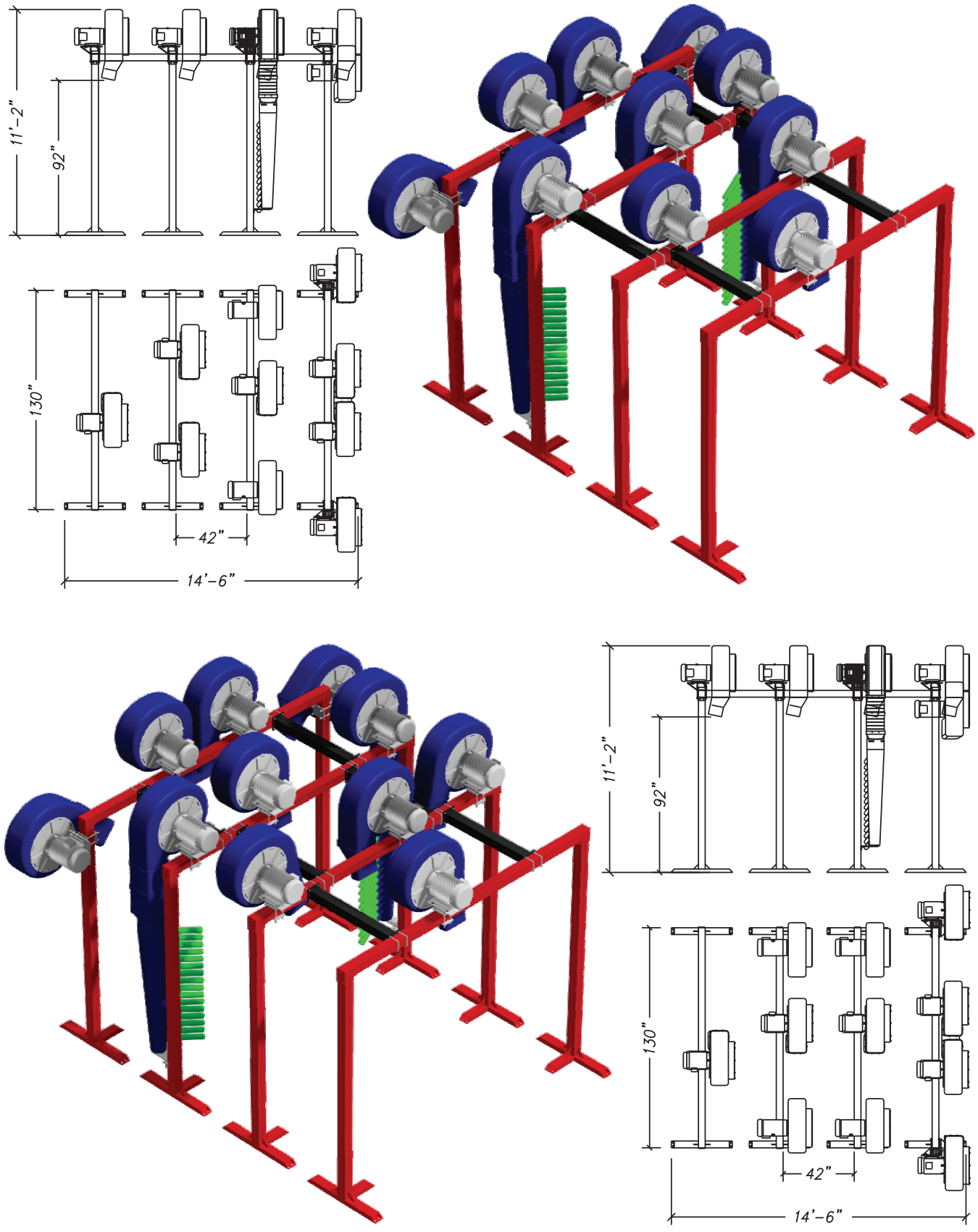


Figure 11. Four Arch Blower System Configurations (Sheet 2)

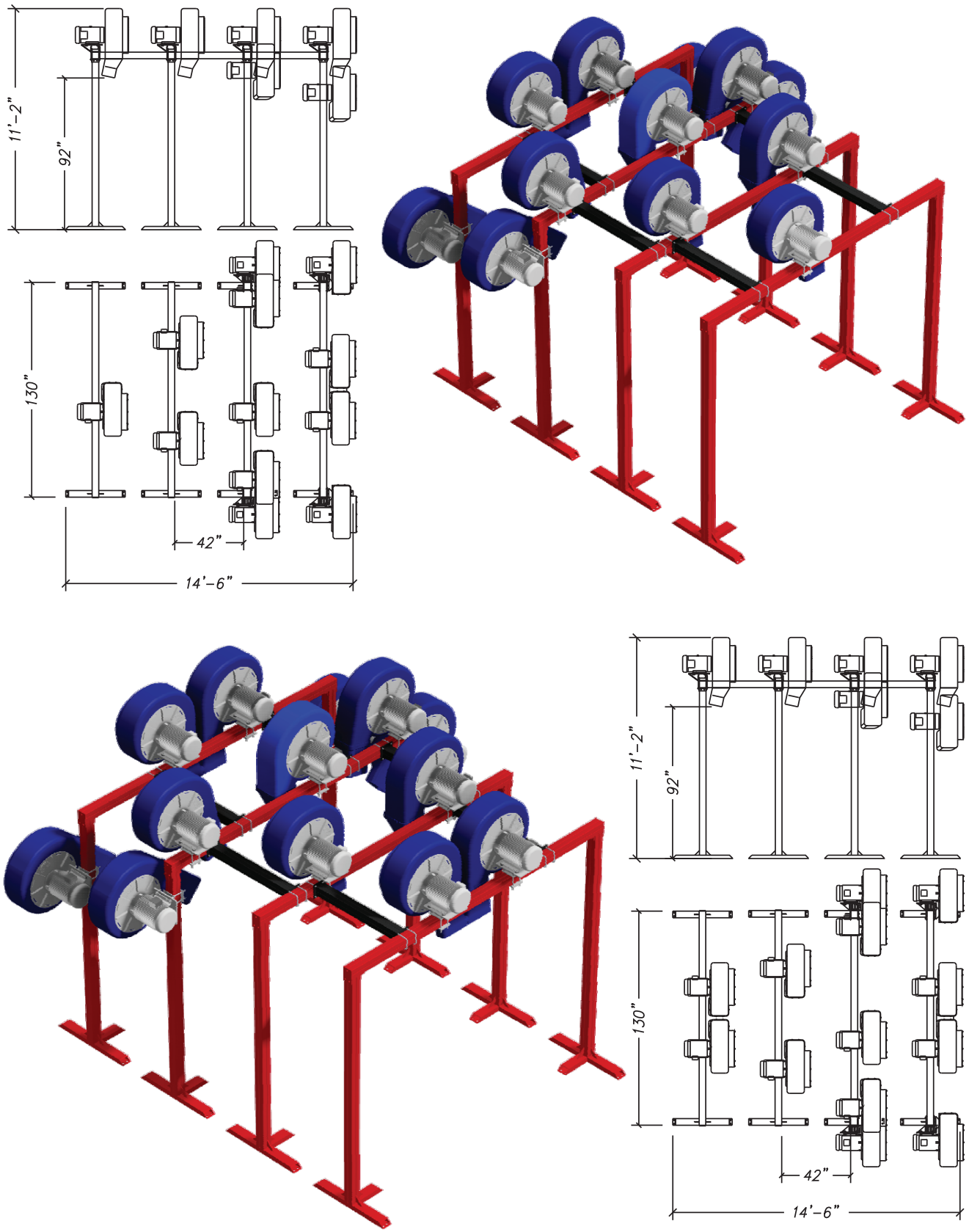


Figure 11. Four Arch Blower System Configurations (Sheet 3)

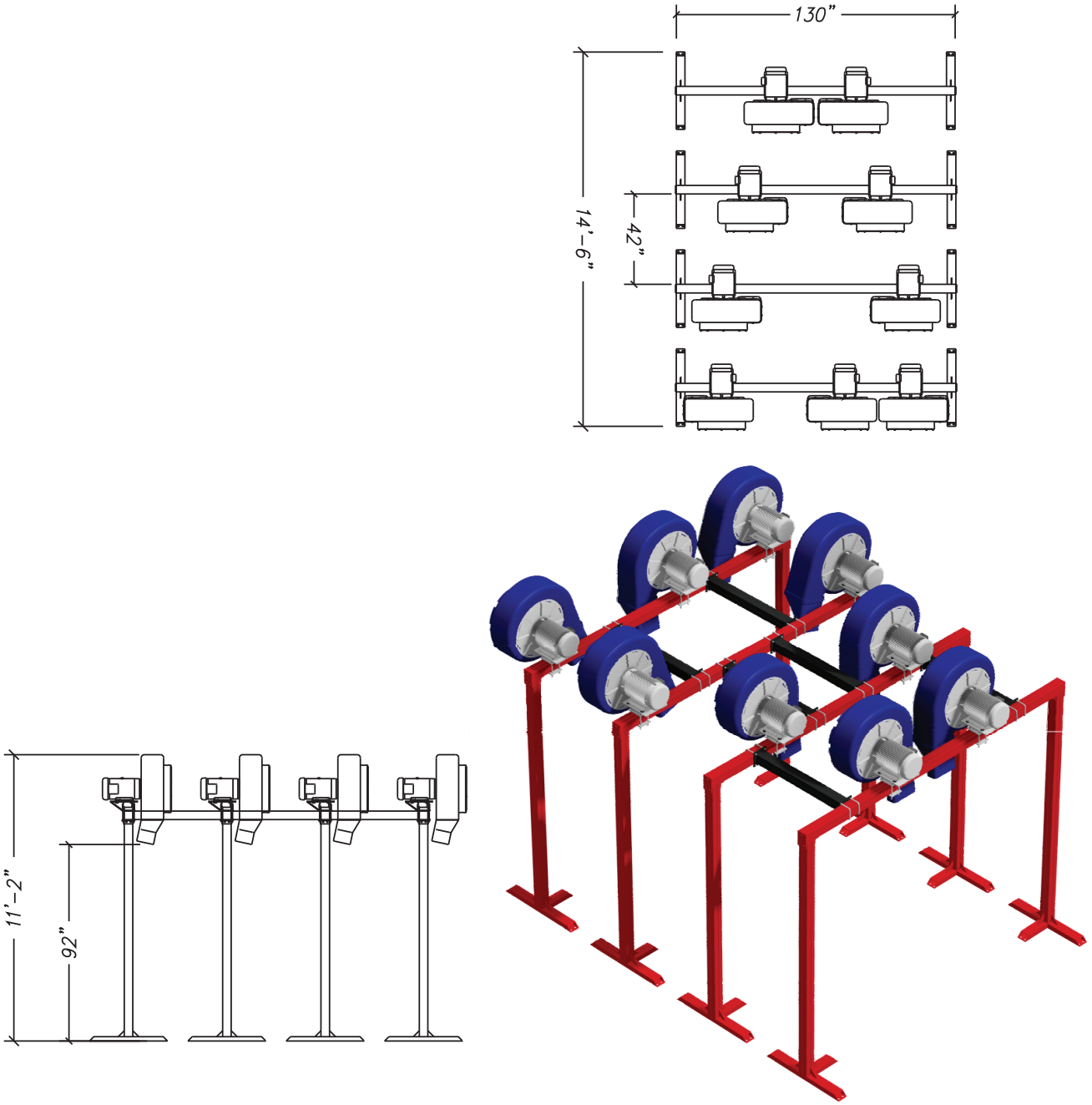


Figure 11. Four Arch Blower System Configurations (Sheet 4)

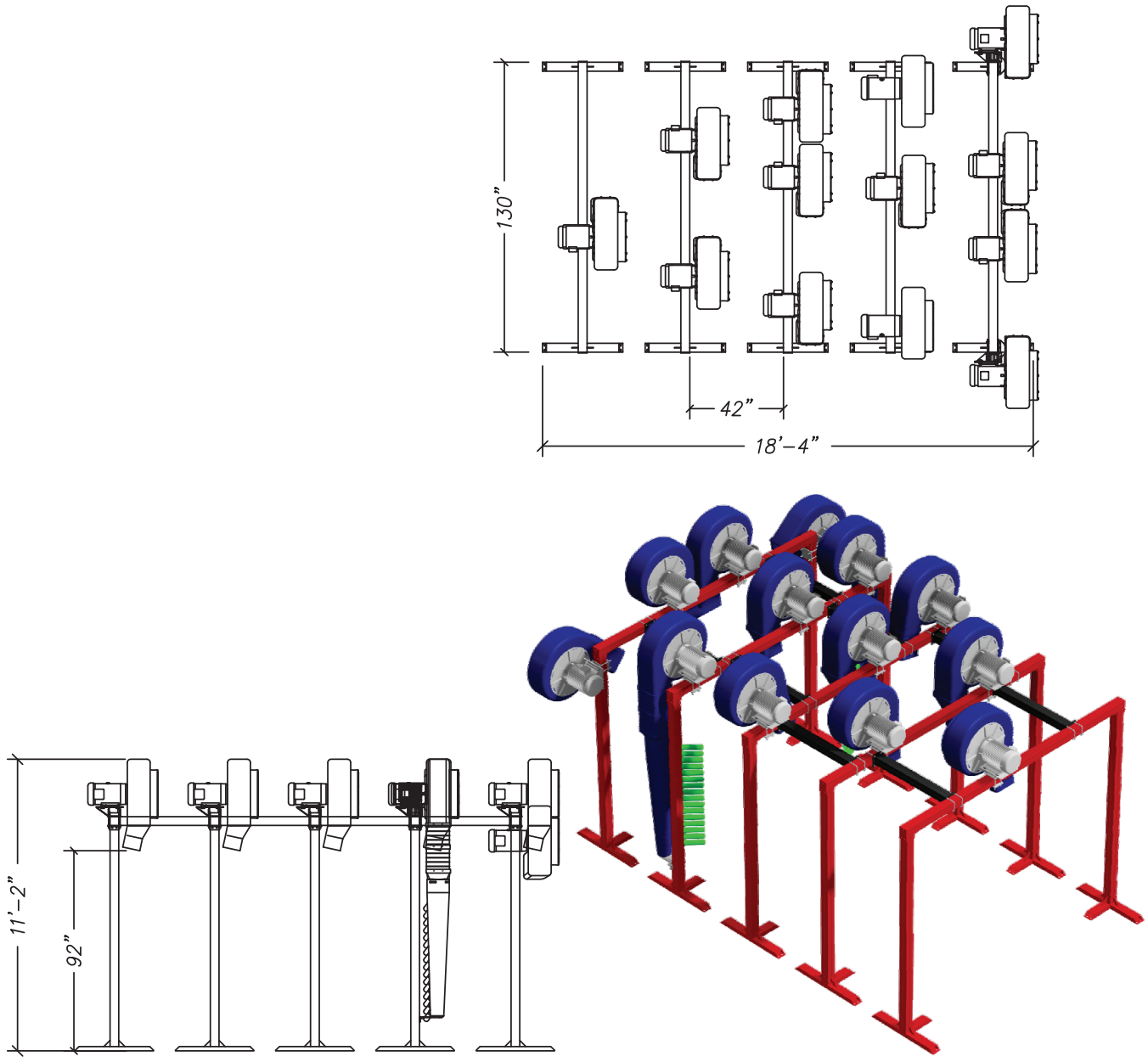


Figure 12. Five Arch Blower System Configurations (Sheet 1)

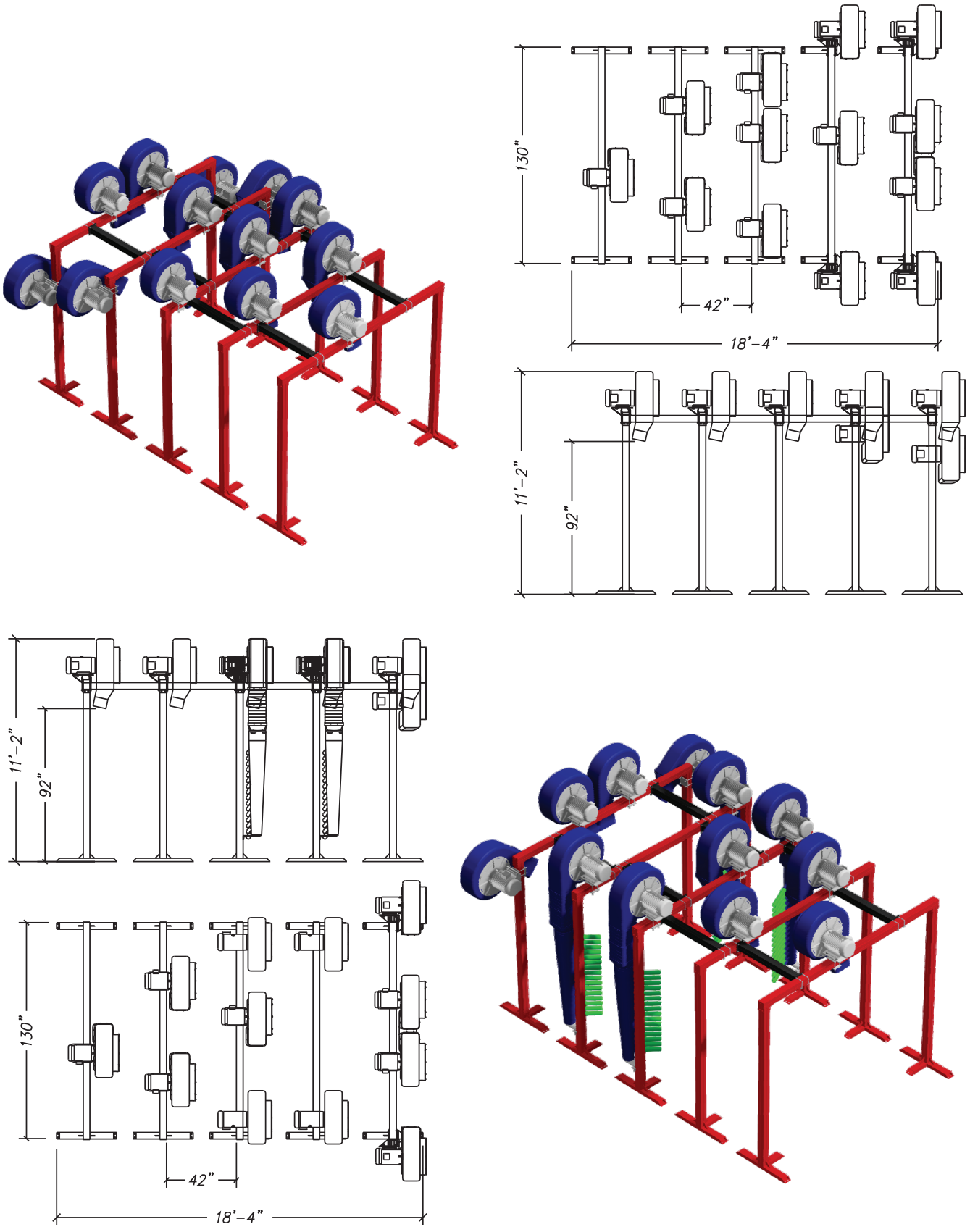


Figure 12. Five Arch Blower System Configurations (Sheet 2)

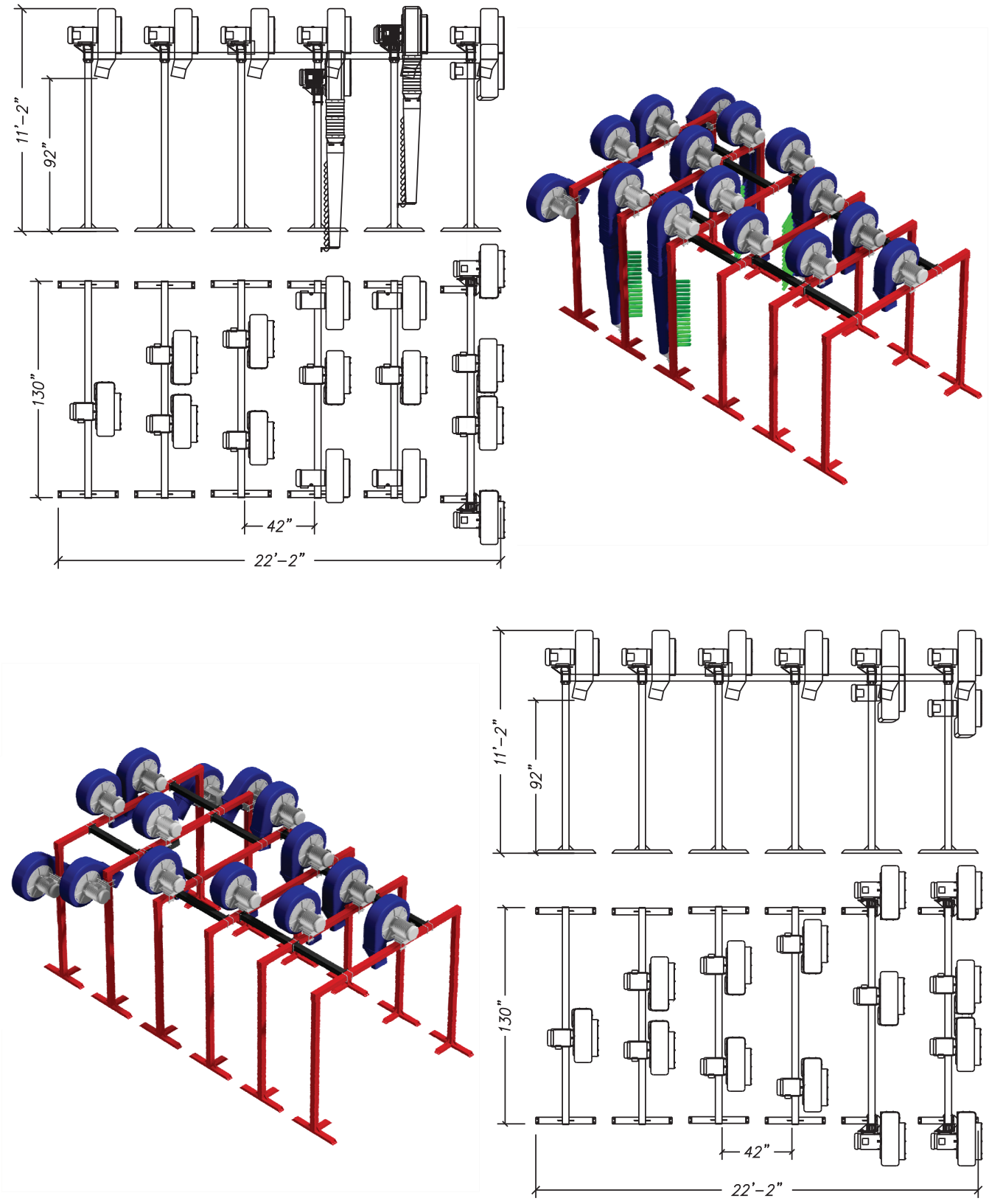


Figure 13. Six Arch Blower System Configurations (Sheet 1)

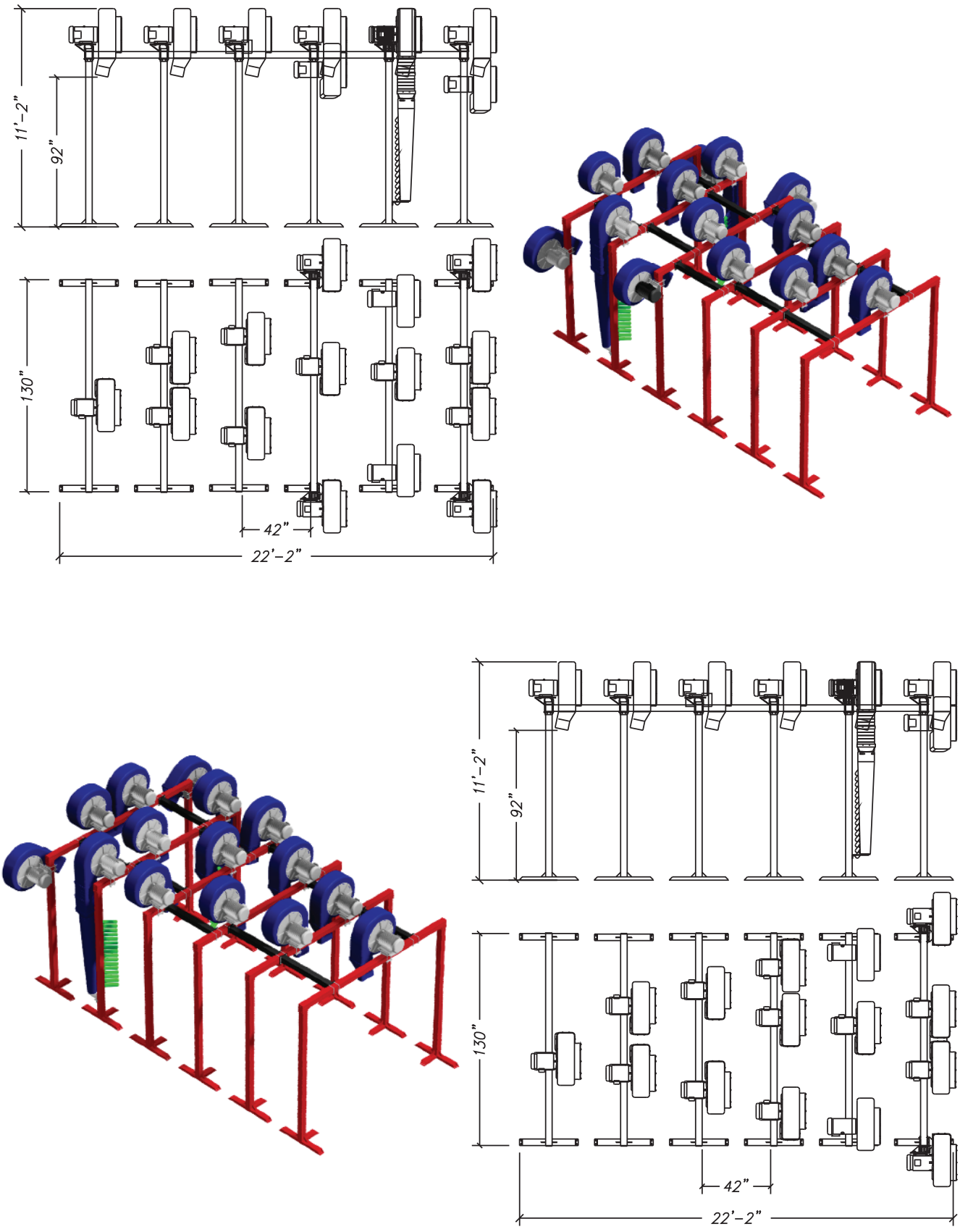


Figure 13. Six Arch Blower System Configurations (Sheet 2)

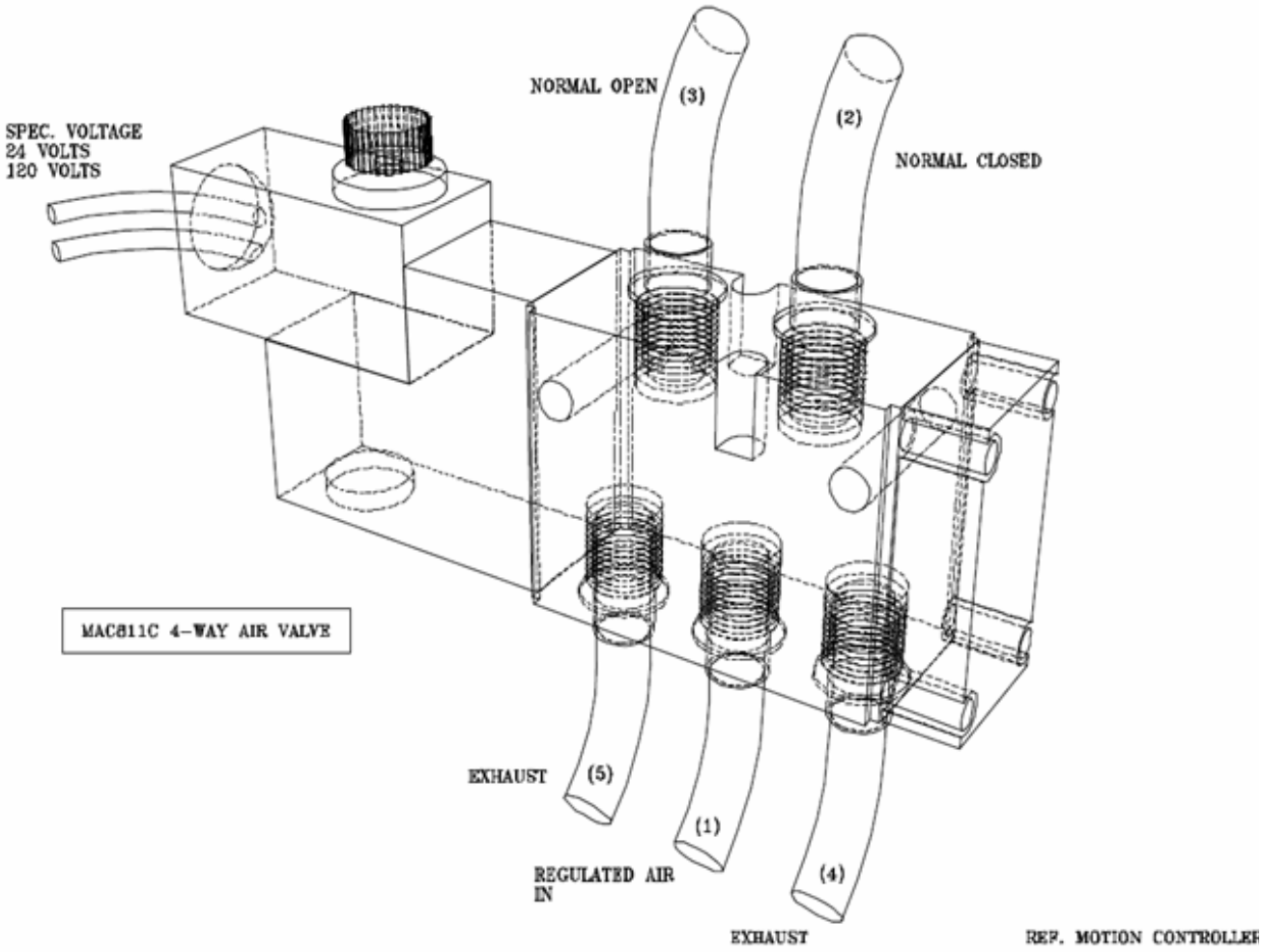


Figure 14. Flip Nozzle Air Option Mac Valve Plumbing

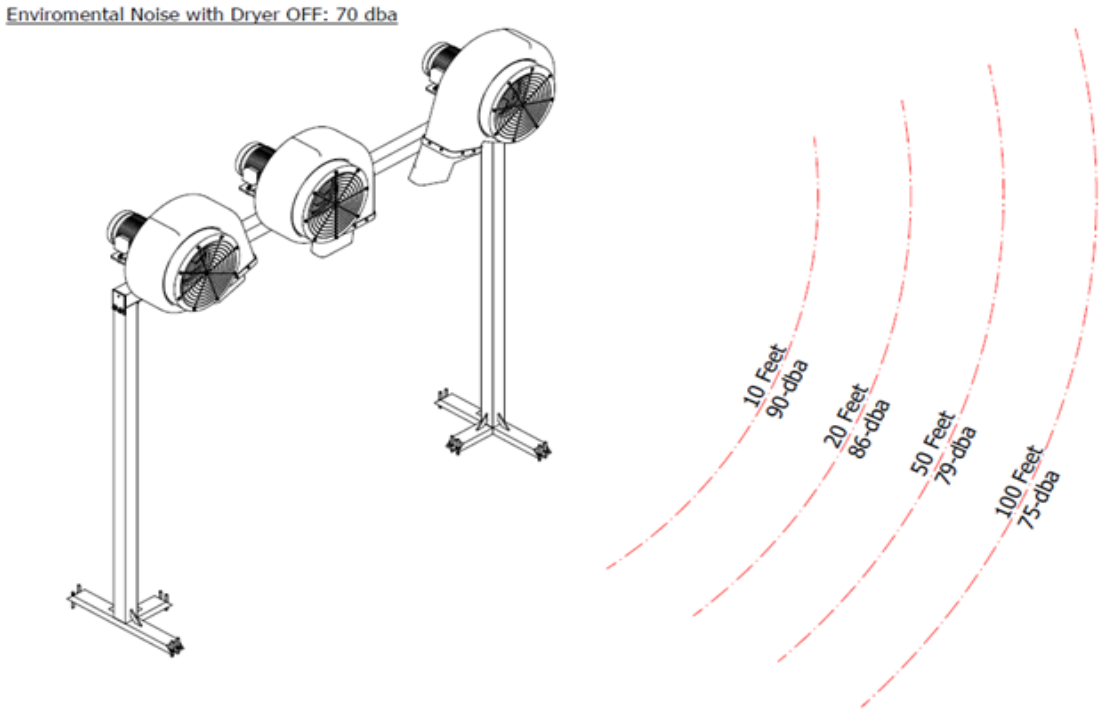


Figure 15. Dryer Noise DBA Reading

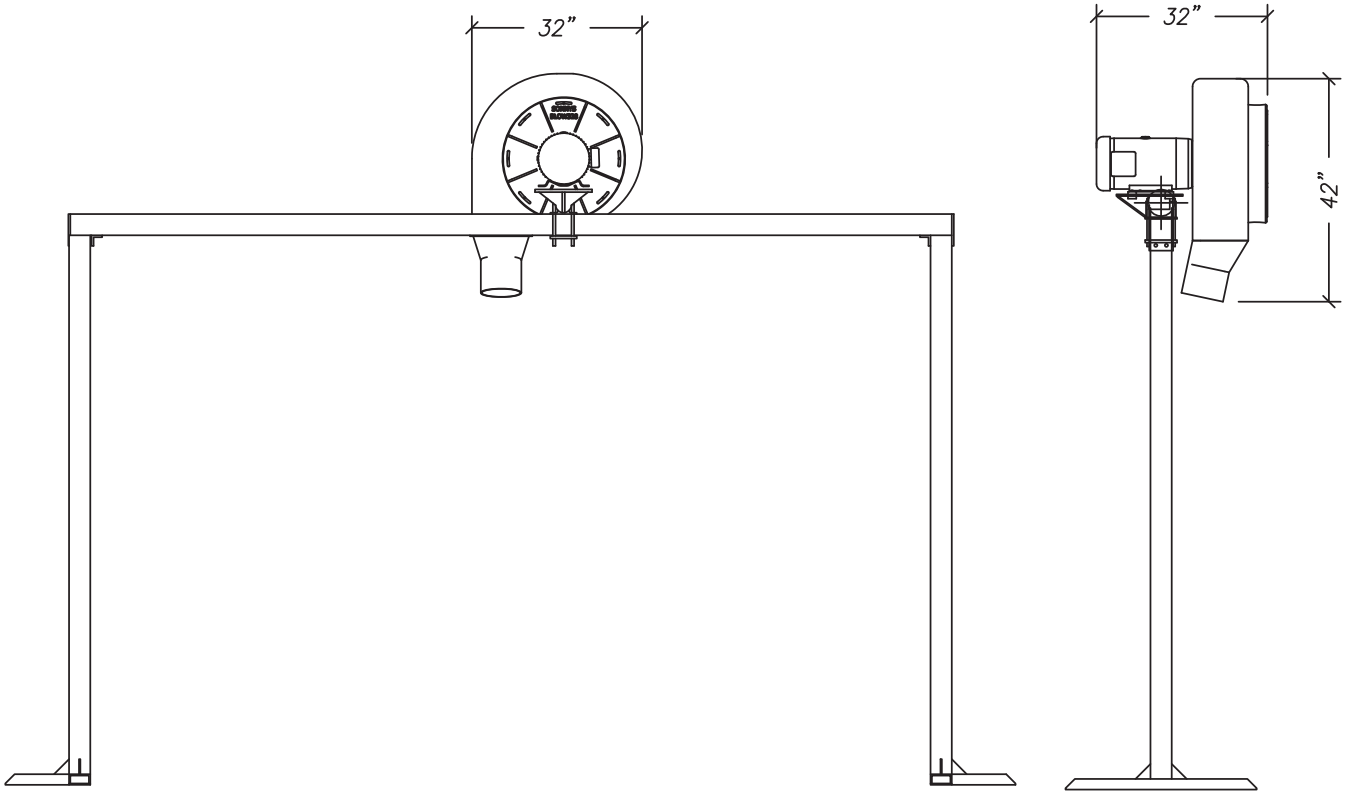


Figure 16. Producer Dimensions

4. Equipment Installation

4.1 Requirements

Time requirement listed assumes no problems are encountered.

Tools	Consumables
Safety Glasses	Stainless steel shims
1/2" Drive Ratchet Set	Workforce
Standard Combo Wrenches	Two (2) persons
Large Standard Screwdriver	Time
1" Hammer Drill	1.00 to 6.00 hours
3 lb. Sledge Hammer	
Tape Measure	
Lifting Strap	

4.2 Basic Installation

1. Take the shortened blower leg stands and place a crossbeam on them. Secure the crossbeam to the stands using one bolt in each bolt hole. Snug or hand-tighten the bolts.

Figure 17. Leg Stands

⚠ NOTE

Shortened blower leg stands are not part of a blower equipment package. These may be purchased through Sonny's.

2. Measure from either side of the crossbeam to find the center of crossbeam. That measurement is sixty five and three eighths inches (65 ⅜").

Figure 18. Measuring Crossbeam Center

3. Using the lifting strap, wrap it around the blower motor and raise the blower with the forklift.
4. Using the forklift, bring each blower into the tunnel area, one at a time.
5. The first blower(s) to be installed will be the center blower(s) beginning at the area closest to the entrance and working your way outward as needed.
6. Unscrew the U-bolts on the blower motor bracket and remove the bottom portion of the bracket, setting it aside.
7. Lower the blower onto the crossbeam, making certain that the centerline is lined up with the center of the "N's" on the "Sonny's Sticker" that is on the blower housing (this will depend on the blower layout.)

Figure 19. Blower Centerline Guide

⚠ Note

Blowers may need to be adjusted dependent upon how they function at start up with actual cars in the tunnel. Refer to customer's layout for producer placement.

8. Replace the bottom portion of the bracket and the U-bolts, sandwiching the cross beam between the two (2) brackets.

Figure 20. Brackets Installation

9. Make sure the upper bracket is level with the blower mounting bracket. It should measure four and one eighth inches (4 ⅛”) from the top of the crossbeam to the bottom of the motor mount plate. Tighten the U-bolts being sure to have even thread spacing on both sides of the U-bolts.
10. Once all the blowers are in place slide the forks under the crossbeam on the passenger side of the beam, and secure the crossbeam to the forks with c-clamps. Begin erection with the blower arch closest to the entrance end of the tunnel.
11. With one person on the driver side of the tunnel and one person on a ladder, raise the leg up to meet the blower crossbeam, already in the air. The person on the ladder will maneuver the leg into position and insert the two (2) bolts. Next, tighten the bolts while the leg is secured by the person on the ground.

⚠ NOTE

The side lines for the blowers need to be moved in seven inches (7”) on both the driver and passenger sides of the tunnel. The legs on the blower frame need to face in towards the center of the tunnel.

12. Repeat this step on the passenger side.
13. Repeat steps four (4) through thirteen (13) for the rest of crossbeams.

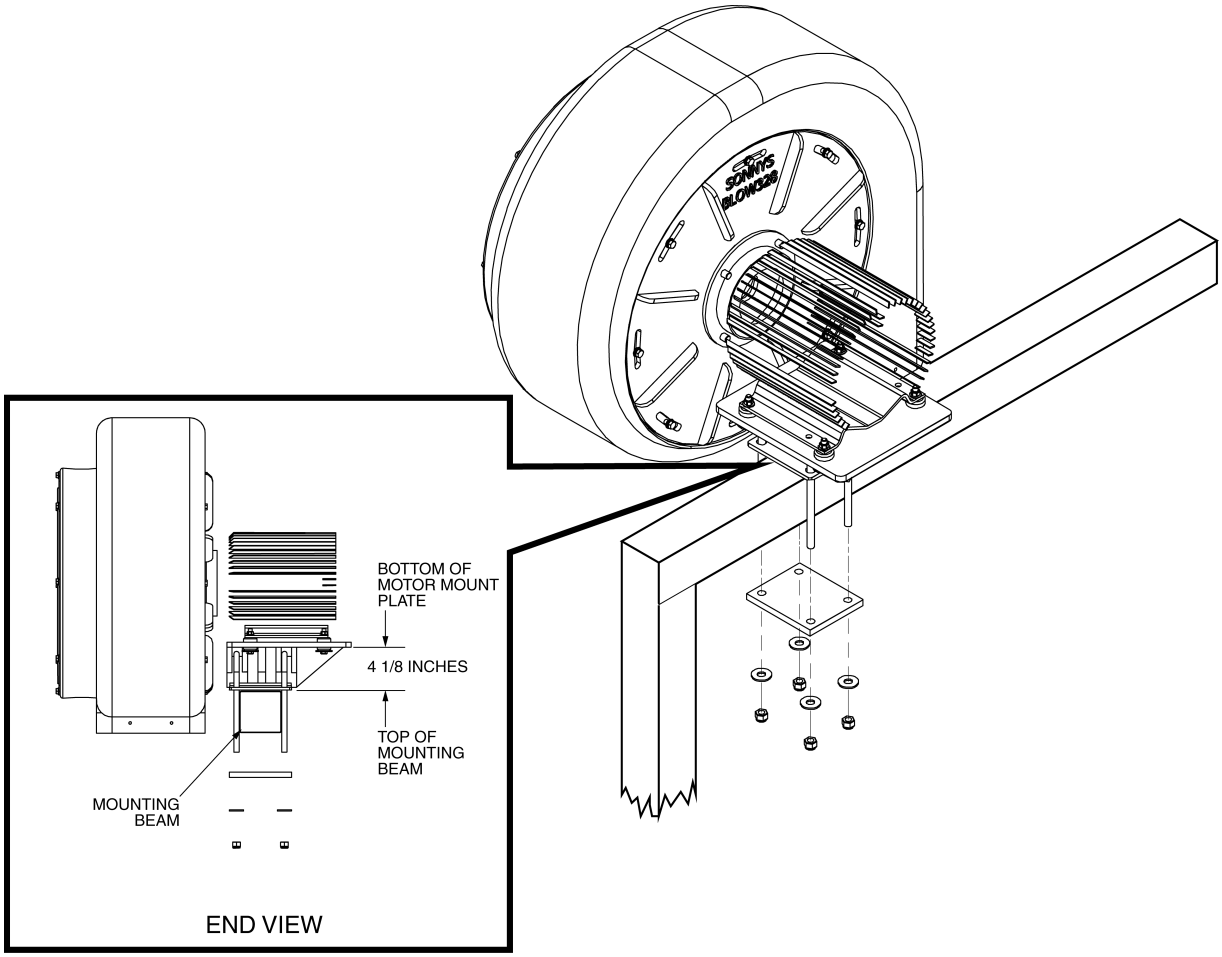


Figure 21. Blower Bracket

14. For a side mounted blower(s), take the blower lifting jig and a come-a-long (if ceiling height will allow) and raise the blower(s) into the proper position.
15. Once all the blowers are mounted, move the first blower (closest to entrance) into place on the previously marked floor measurements.
16. Set the remaining blower legs in place using the measurement of fifty inches (50”) from the outside to the outside of the center foot.
17. Drill concrete holes and anchor the legs in place with anchor bolts. It may be necessary to anchor “loosely” till step nineteen (19) below is completed.
18. Attach the forty two inch (42”) support crossbeams according to the blower layout (this may need to be modified based on the actual space available between blowers).
19. Using the impact gun, snug all the anchor bolts installed in step eighteen (18) and the bolts that secure the cross beam to the top of each leg.
20. If the optional top flip or Gator was order run air lines to each equipped producer.

Figure 22. Final Install

4.3 Mammoth Installation

NOTE: Blower housing is mounted either on the top beam of the arch or on the side legs. Impeller color/rotation may change depending on where the motor housing is installed.

- Passenger Leg – Clock Wise Impeller
- Passenger Side Top Beam – Counter Clockwise Impeller
- Driver Side Leg – Counter Clock Wise
- Driver Side Top Beam – Clock Wise

1. Mount the motor and housing to the arch
2. For standard Mammoth:
   a. Attach the nozzle to the housing and bolt it down
   b. Use the holes on the bottom of the nozzle and attach the mounting bracket
   c. Attach the mounting bracket to the nozzle and then to the arch.
   d. Attach your mammoth trunks with the provided zip ties to the mammoth nozzle.

Figure 23. Standard Mammoth Install

3. For Pivoting Mammoth:

   a. Attach the nozzle to the housing and use the bolts to hold the nozzle onto the motor housing.

NOTE: Do not tighten down the bolts onto the housing as the bolts are being used to hold the nozzle so you are able to work on the cylinder mounting bracket. The bolts will be taken off once the cylinder assembly has been attached to the frame.

   b. Attach the cylinder bracket to and the mounting bracket to the to outer hole of the mammoth.

   c. Attach the u-bolts to the frame

   d. Remove the bolts that we used to hold the nozzle onto the housing.

   e. Attach the Velcro strap to the nozzle. The strap will cover the holes on the nozzle.

Figure 24. Pivoting Mammoth Install

5. Adjustments and Testing

1. Ensure three phase motor starters are “stagger” started, but all air producer motors can be stopped at the same time.
2. Up and down position of the side producer nozzles and side to side position of the top producer nozzles may be adjusted slightly by moving the motor base on its axis.
3. Height position of the side producers and side to side position of top producers may be moved along the four inch square tubing for best operation.

⚠ NOTE

Air dryer efficiency is best when each air producer impeller (fan) is rotating in the proper direction. Red Taper lock (15HP) and Black Taper lock (10HP) impellers rotate clockwise (CW). Green Taper lock (15HP) and Blue Taper lock (10HP) impellers rotate counterclockwise (CCW). Impeller direction of rotation is as viewed from the rear of the electric motor.

5.3.1 Optional Top Flip Nozzle

The “flip” nozzle should face the oncoming vehicle with no Programmer signal power to the “flip” control 4-way air solenoid valve. The Programmer signal to the 4-way air solenoid valve coil to cause the “flip” nozzle to face the departing vehicle should be set to occur when the trunk lid of the vehicle is half way through the top “flip” nozzle.

5.3.2 Optional Gator

The Venturi on the gator should be closed when no Programmer signal power is present at the 4-way air solenoid valve. The Programmer signal to the 4-way air solenoid valve should be energized as the vehicle approaches (after full ramp up of blower) allow the Venturi to open. The programmer should allow the Gator to open and close between cars.

6. Preventive Maintenance

⚠ CAUTION

FOR THE FIRST MONTH OF OPERATION CHECK ALL FITTINGS FOR TIGHTNESS EACH WEEK. PERFORM THIS INSPECTION TO THE SCHEDULE SHOWN BELOW AFTER THE FIRST MONTH OF OPERATION.

Frequency	Check/Action
Daily	Check each producer for proper operation, listening for any unusual noises and correct the cause of any unusual vibration.
	Remove any debris from the air inlet screen on the air producers.
	Check the optional top oscillator or flip nozzle for proper operation.
Weekly	Spray lubricant the optional flip nozzle air cylinder rod end and rear clevises.
Monthly	Inspect all hardware and fittings for tightness. Tighten as required. Replace all missing or damaged hardware.
	Thoroughly clean the framework, blower housing and each impeller of dirt and debris.
Annually	Measure and record Full Load Amp Readings as follows: 1. Measure and record, full load current readings from each of the three legs of each of the three phase electric motors. 2. If the differential of current load exceeds 10% between the legs, or the balanced load current of all three legs has increased over 10% since the most recent measurements, order a replacement motor. 3. Record readings in the log.
	Grease all electrical motors on the Dryer System assembly with a high-temperature grease, rated for at least 160 degree Fahrenheit.

7. Parts

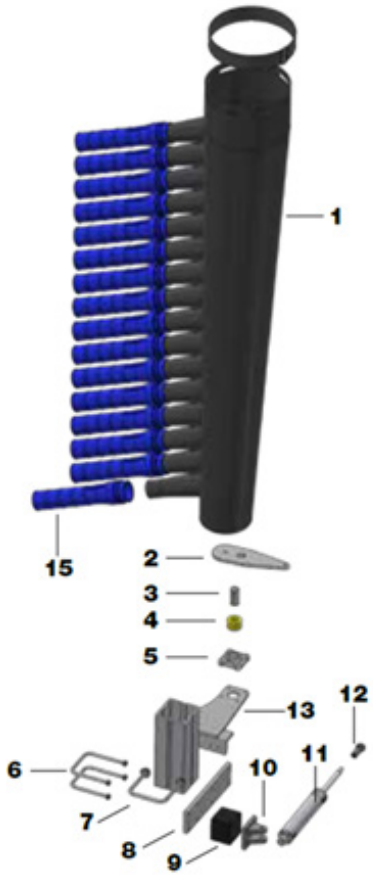


Figure 25. Standard Mammoth Parts List

Item No.	Part Number	Description
1	10012375	Blower, Mammoth Dryer Nozzle, Black
2	20016232	Mammoth Pivoting Nozzle Mounting Plate
3	20016231	Mammoth Pivoting Bearing Nozzle AL Shaft
4	20016230	Mammoth Pivoting UHMW Spacer
5	10012704	Bearing, 4-Bolt Iglide 1' Bore
6	10010028	U-Bolt SQ Bend 3/8-16 x 5 x 4-1/8 SS
7	10008258	U-Bolt 1/2-13 x 5in x 4-1/8in w/Hardware
8	20016233	Mammoth Pivoting Cylinder Mount Plate
9	20016421	Spacer Block, Offset Air Cylinder UHMW
10	20004607	Clevis Female Bracket 3/8' Hole
11	10006688	Cylinder, A550 1.5in Bore x 6in Stk SMC
12	10010812	Rod End Bearing Female 7/16in w/Zerk
13	20016236	Mammoth Pivoting Bearing Mnt Bracket PS
14	20016235	Mammoth Pivoting Bearing Mnt Bracket DS

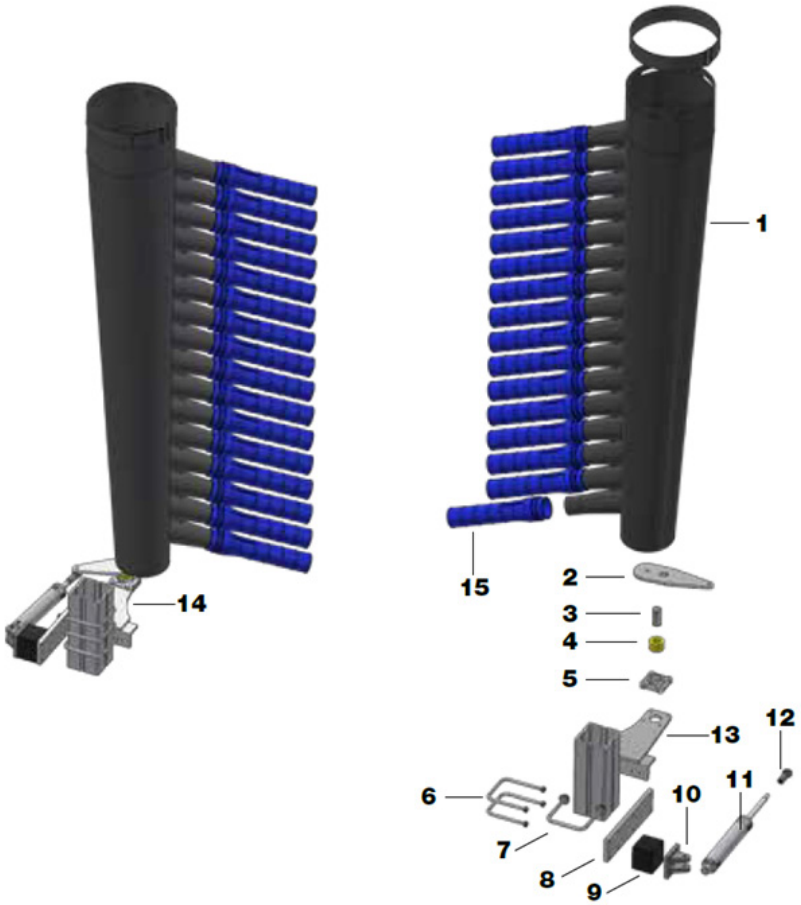


Figure 26. Standard Mammoth Parts List

Item No.	Part Number	Description
1	10012375	Blower, Mammoth Dryer Nozzle, Black
2	20016232	Mammoth Pivoting Nozzle Mounting Plate
3	20016231	Mammoth Pivoting Bearing Nozzle AL Shaft
4	20016230	Mammoth Pivoting UHMW Spacer
5	10012704	Bearing, 4-Bolt I-glide 1' Bore
6	10010028	U-Bolt SQ Bend 3/8-16 x 5 x 4-1/8 SS
7	10008258	U-Bolt 1/2-13 x 5in x 4-1/8in w/Hardware
8	20016233	Mammoth Pivoting Cylinder Mount Plate
9	20016421	Spacer Block, Offset Air Cylinder UHMW
10	20004607	Clevis Female Bracket 3/8' Hole
11	10006688	Cylinder, A550 1.5in Bore x 6in Stk SMC
12	10010812	Rod End Bearing Female 7/16in
13	20016236	Mammoth Pivoting Bearing Mnt Bracket PS
14	20016235	Mammoth Pivoting Bearing Mnt Bracket DS
15	20016100	Mammoth, Blue Trunks 16-pcs Kit
	20016101	Mammoth, Black Trunks 16-pcs Kit
	20016102	Mammoth, Red Trunks 16-pcs Kit
	20016099	Mammoth, Green Trunks 16-pcs Kit
	20016428	Mammoth Pivoting Cylinder Mounting Kit

Item No.	Part Number	Description
	20016429	Mammoth Pivoting Bracket DS Mounting Kit
	20016430	Mammoth Pivoting Bracket PS Mounting Kit
	10012561	Bolt Kit, Mammoth Dryer One Side Only

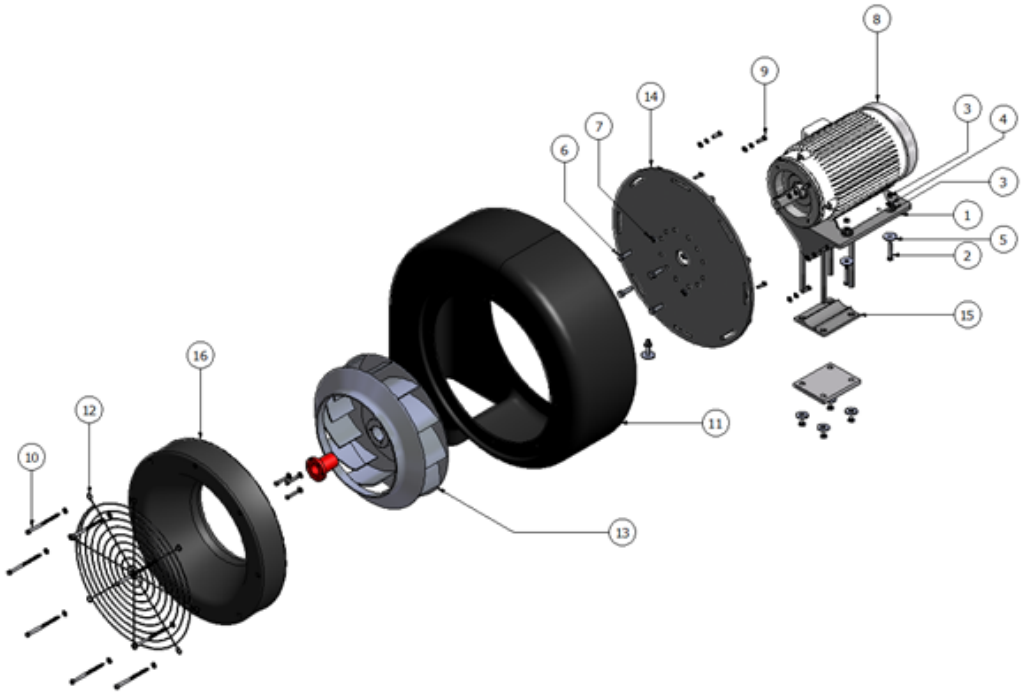


Figure 27. Blower Assembly Parts List

Item No.	Part Number	Description
1	10006587	Mount, Blower Motor
2	10004230	Bolt, Hex 3/8-16 x 2-1/4 Zc 37C225HCS5Z
3	10002826	Nut Hex Stover-Lock 3/8-16in Zn 37CNLS0Z
4	10001333	Washer, Flat SAE 3/8in Zn 37NWSA0Z
5	10005284	Washer, Flat .40 I.D. 40N156WFL0Z/THK090
6	10003792	Bolt, Hex 1/2-13 x 1-1/2 Zc 50C150HCS5Z
7	10001505	Washer, Split Lock 1/2in 50NLOC0Z
8	10008804	Techtop Blower Motor 15HP 3450RPM 3Ph
9	10002461	Bolt Kit, Housing Universal Hardware
10	10003326	Bolt Kit, Venturi Cone Inlet Hardware
11	20005446	Blower, Universal Housing Black
12	10004452	Blower, Inlet Screen for SONNY'S Dryer
13	10008893	Impeller, Blower 15HP CW Stl Zc Red
	10008892	Impeller, Blower 15HP CCW Stl Zc Green
14	10009630	Blower, Casting Back-Plate Aluminum
15	20005444	Blower, U-Bolt 8-7/8in Assembly
16	10006364	Blower, Plastic Venturi Cone Inlet Black

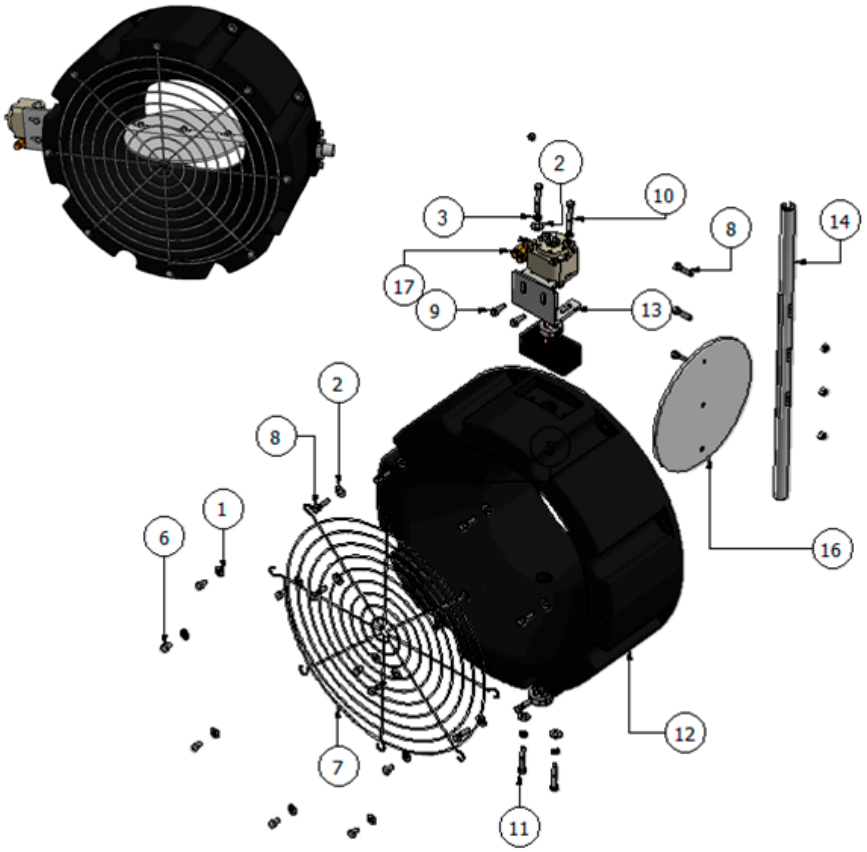


Figure 28. Blower Assembly Parts List

Item No.	Part Number	Description
1	10002410	Washer, Flat USS 5/16in 31NWUSS
2	10002656	Washer, Flat USS 3/8in 37NWUSS
3	10002789	Washer, Split Lock 5/16in 31NLOCS SS
4	10003648	Collar 2pc Clamp 1in ID SS
5	10003793	Nut, Hex Nylon-Lock 5/16-18 SS 31CNNES
6	10004449	Bolt, Hex 5/16-18 x 1/2 SS 31C50HCSS
7	10004452	Blower, Inlet Screen for SONNY'S Dryer
8	10005033	Bolt, Hex 5/16-18 x 1-1/4 SS 31C125HCSS
9	10005044	Bolt, Hex 5/16-18 x 1 SS 31C100HCSS
10	10005931	Bolt, Hex 5/16-18 x 2-1/4 SS 31C225HCSS
11	10006055	Bolt, Hex 5/16-18 x 2 SS 31C200HCSS
12	10006435	Venturi, Butterfly Black
13	20004489	Mounting Plate Angle, Alum for Gator
14	20004490	Shaft, Aluminum, for Gator Gate Flip
15	20004491	Block, Gator Bearing
16	20004492	Plate, Gator Butterfly
17	20015840	Gator, Actuator Sub-assembly Only