



Models – 8798SB-VAC, 8798SBW-VAC, 8798SV-VAC, 8798SVW-VAC

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PRODUCT INFORMATION

Please take a moment to fill out the information below in order to aid us with any future sales or service inquiries. Model number and serial number information can be found on the serial tag located inside the control box and/or on the lower exterior of the can. Key number can be found on the tag that comes attached to the keys. There may be more than one key number depending on unit.

Please keep this information with your records.

MODEL#:_____

SERIAL#:_____

KEY NUMBER(S):_____

DATE PURCHASED:_____

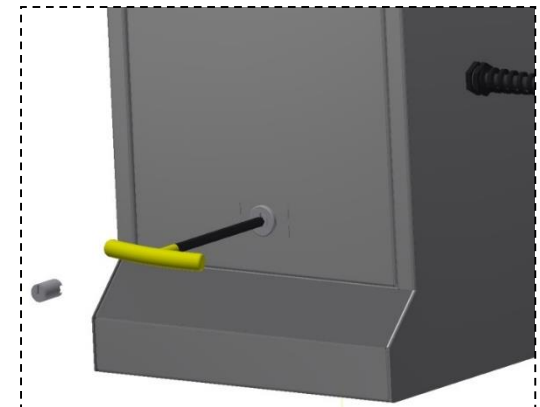
DISTRIBUTOR:_____

**J.E. Adams Industries
1025 63rd Ave. S.W.
Cedar Rapids, IA 52404
1-800-553-8861
www.jeadams.com**

Specifications

<u>Unit specifications:</u>	8798 SERIES
Voltage:	120VAC @ 60 HZ
Amperage:	(1) 20 amp service is required
Compressors:	¾ HP, twin cylinder Gast
Vac Motor:	(1) 120VAC vacuum motor, requires 20A fuse
Water Solenoid:	120VAC @ 60 HZ (optional)
Timer:	Infitec Vend 3xxx
Weight:	186 LBS with pallet, does not include lower cabinet or vault
Locks:	Removable plug lock, 3/8" allen wrench required/provided – SEE FIG A

FIG A



DUTY CYCLE: 4 minutes on, 4 minutes off.

NOTE: “UNIT INTENDED FOR COMMECIAL USE ONLY”

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)

WARNING – To reduce the risk of fire, electric shock, or injury:

- Do not use on wet surfaces.
- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dirt and anything that may reduce flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use to pick up or near flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use near anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Products such as "Fix-A-Flat" are highly combustible and cannot be used in conjunction with air machine!



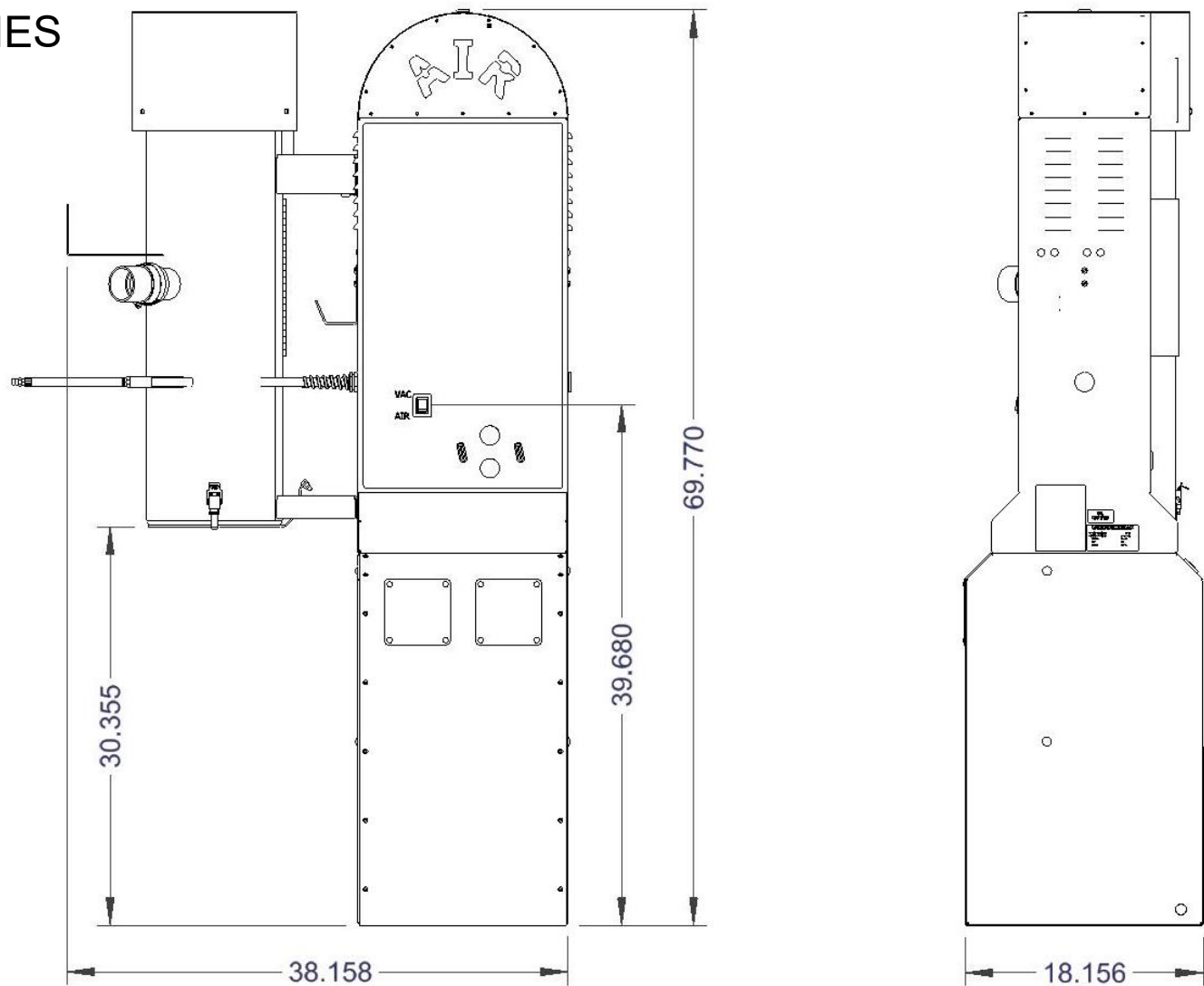
SAVE THESE INSTRUCTIONS



- **Installation Instructions:**
- Determine location to mount unit ("**DANGER**" "**THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 20 FEET (6 M) HORIZONTALLY FROM THE EXTERIOR ENCLOSURE OF ANY DISPENSING PUMP AND AT LEAST 18 INCHES (450 MM) ABOVE A DRIVEWAY OR GROUND LEVEL.**")
- Run electrical service to that location.
- **Grounding Instructions:** This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.
- Circuit must be protected by a GFCI device.
- All local and national electric codes must be followed for installation and use.
- Licensed electricians are recommended for installation.
- Licensed plumbers are recommended for installation (water machines)

PRODUCT DIMENSIONS

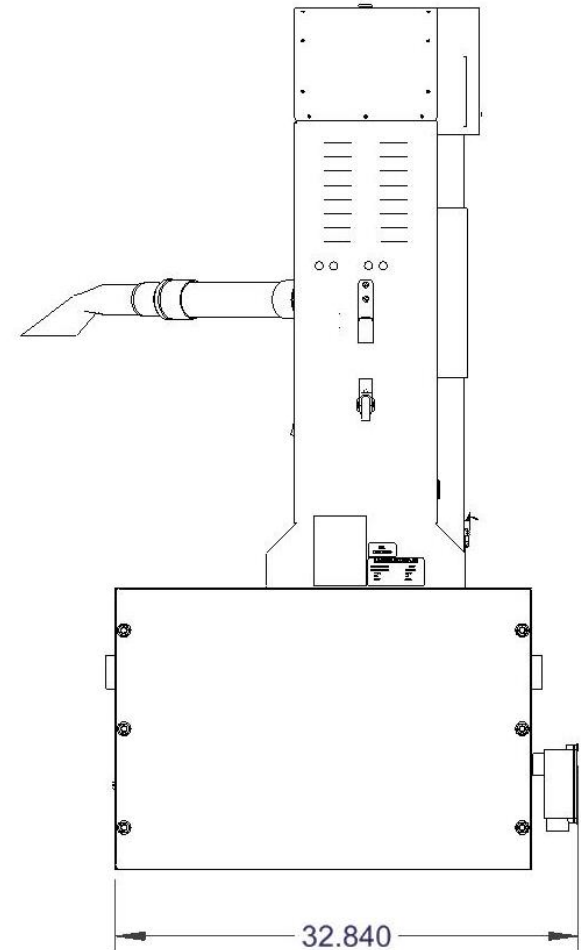
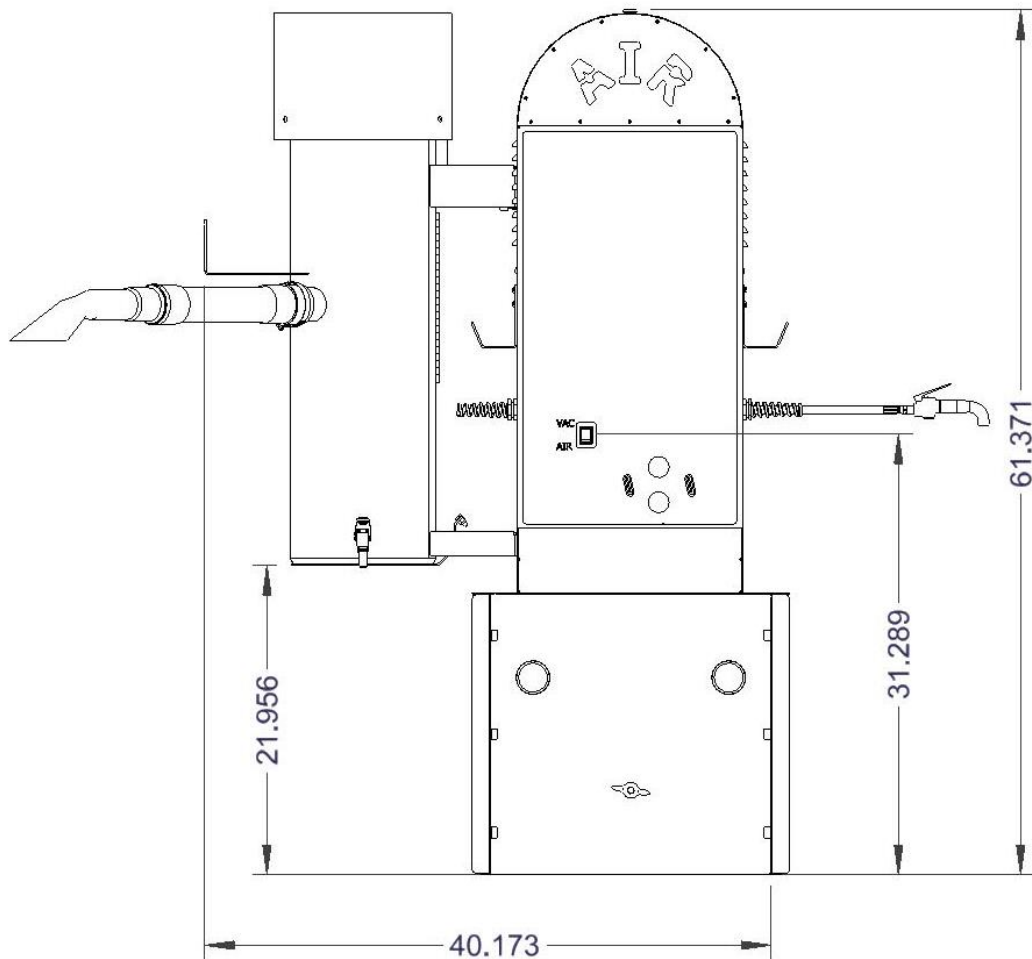
8798 "B" SERIES



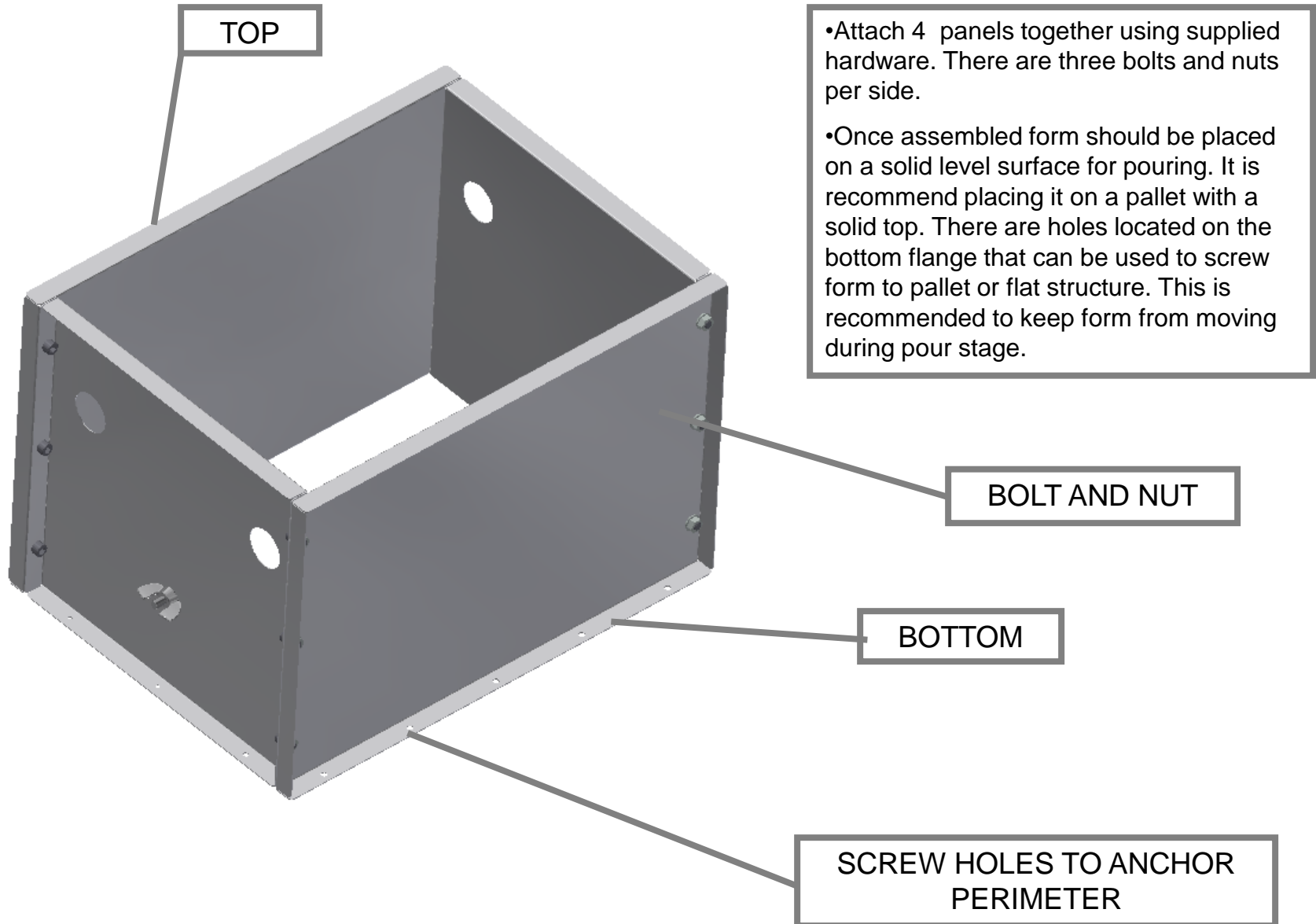
PRODUCT DIMENSIONS

8798 "V" SERIES

Pictured with vault form

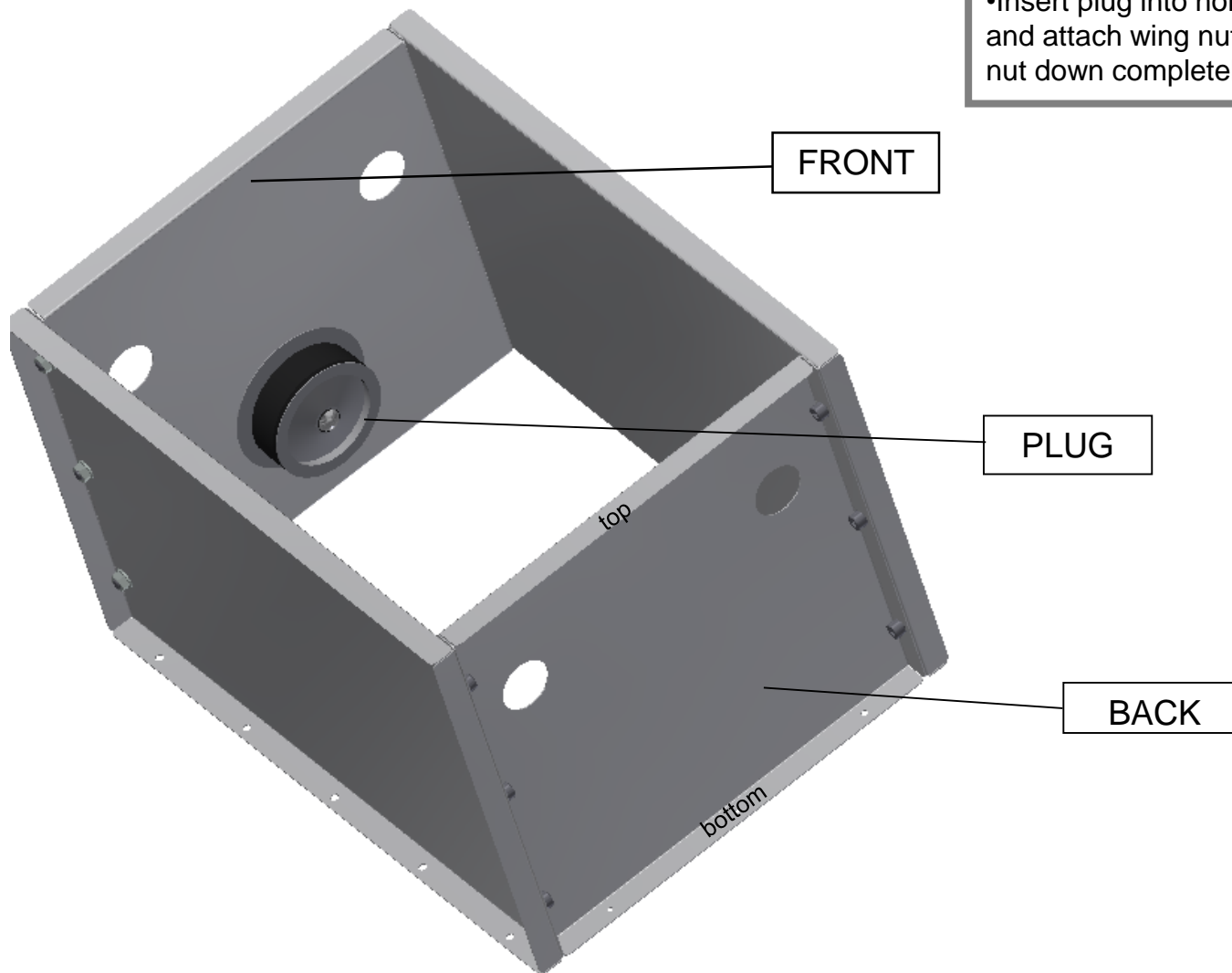


8685-6000A Vault Form (For "V" Series Units Only)

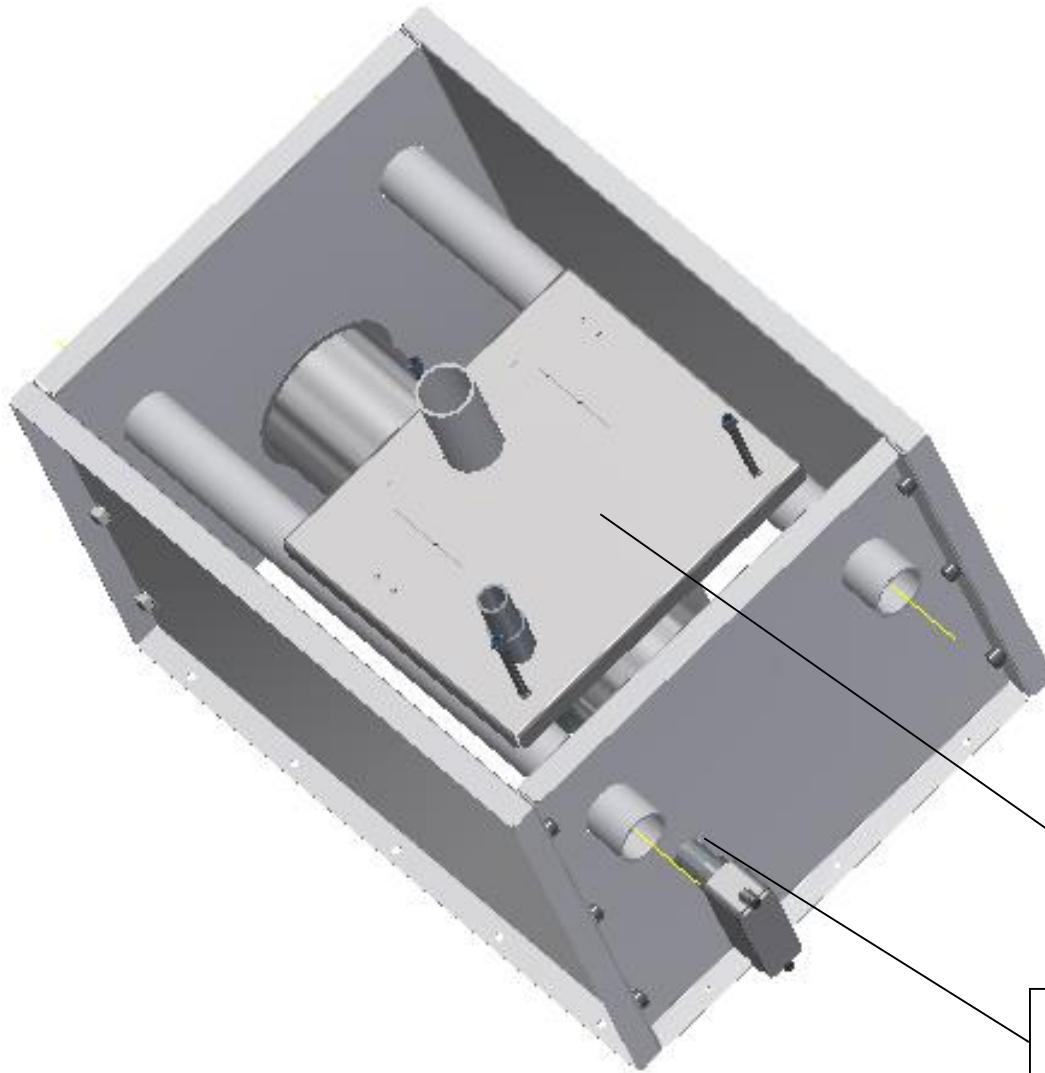


8685-6000A Vault Form (For "V" Series Units Only)

•Insert plug into hole on front side of form and attach wing nut. Do not tighten wing nut down completely at this point.



8685-6000A Vault Form (For "V" Series Units Only)



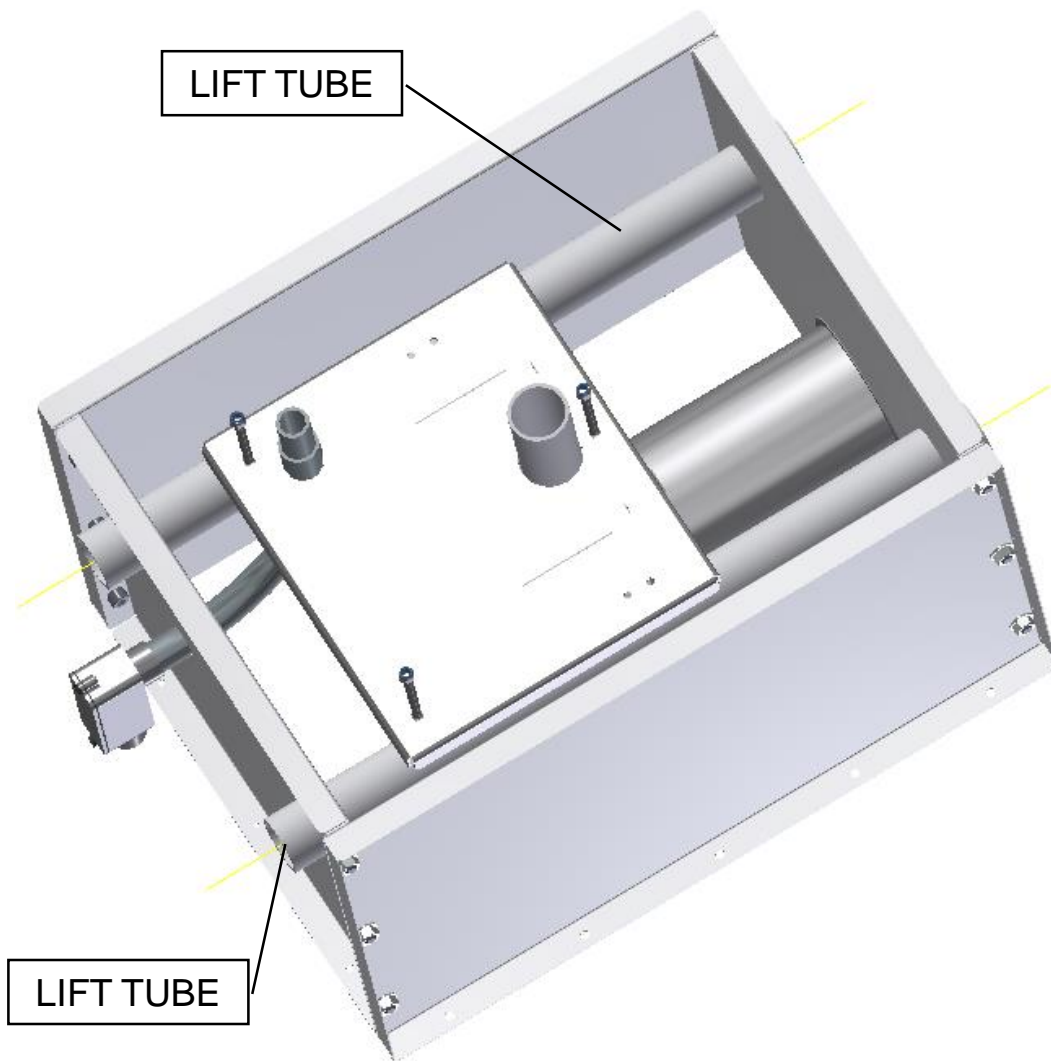
- Insert vault assembly into form.

- Place opening of vault over plug and press until it mates with form and tighten wing nut on front of form until the vault assembly is sealed and no movement is allowed.

8799-1000A VAULT ASSEMBLY

REMOVE KNOCKOUT IN BACK
PANEL TO RUN CONDUIT OUT

8685-6000A Vault Form (For "V" Series Units Only)



- Insert lift tubes into holes in form. Make sure there is approximately 2" sticking out each end.

- If radius vertical corners are desired use caulking to fill inside corners of form and shape to radius. Suggested to caulk around tubes penetrating forms.

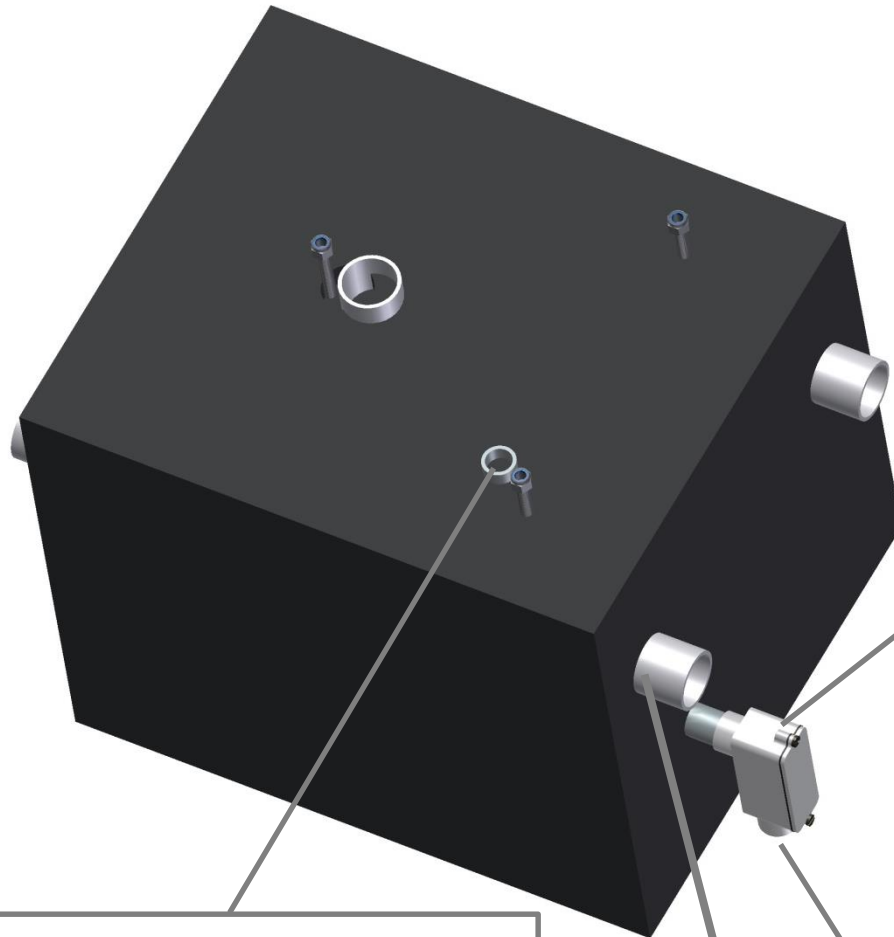
- At this point it is recommended to coat the inside of the form with a light coat of oil. This will aid in keeping the form from sticking to the concrete and allow it to be removed easier.

- Form is now ready for concrete. It is recommend using highway grade mix for best results.

- Pour in concrete **SLOWLY** and make sure to fill all the crevices with mix. A concrete vibrate may also be used to make sure the mix spreads evenly. Do not over vibrate or concrete may become too thin.

- Wait 24-48 hours to dry. When dry remove screws from deck and remove bolts from form. Loosen wing nut on front and slide panels off concrete block. Save forms for another pour.

8685-6000A Vault Form (For "V" Series Units Only)



- Once form is removed the block should look like this.
- Cut excess material from lift tubes to be flush with concrete. (4PL)
- Open up vault door and clean out any water or concrete residue from the inside of vault.
- Attach electrical box on back of concrete block.

ELECTRICAL BOX

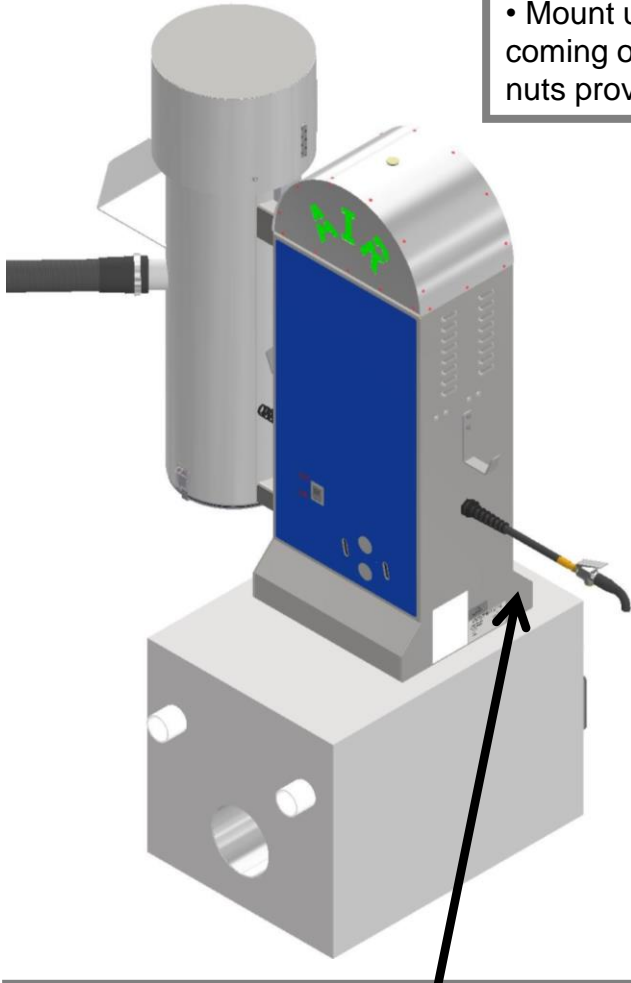
WIRE FROM ELECTRICAL BOX SHOULD
COME OUT HERE. MAKE SURE THERE IS
ENOUGH WIRE TO REACH MACHINE
INCOMING POWER TERMINALS

INCOMING ELECTRICAL TO HERE

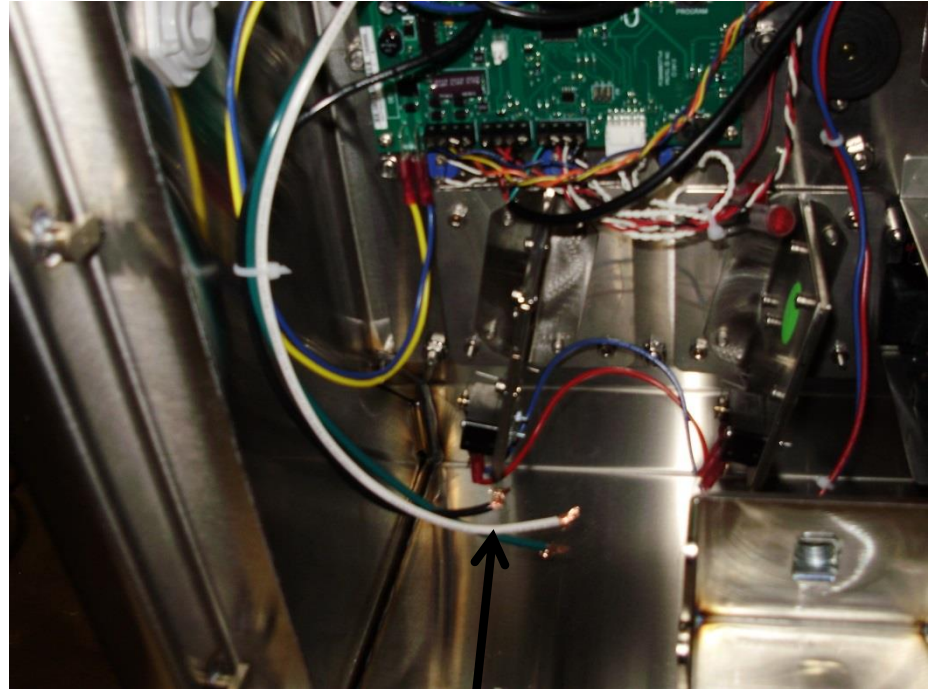
CUT LIFT TUBE FLUSH WITH BLOCK

8685-6000A Vault Form (For "V" Series Units Only)

- Mount unit on concrete using the studs coming out of the concrete. Attach using nuts provided.

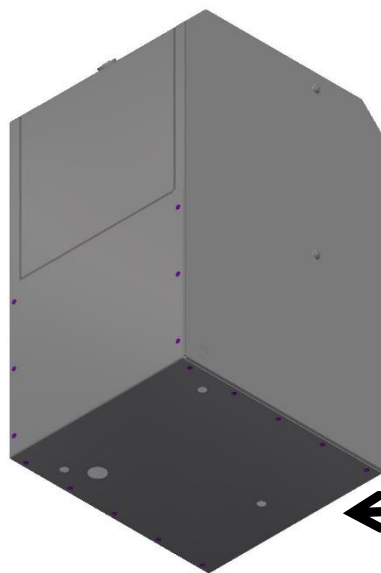
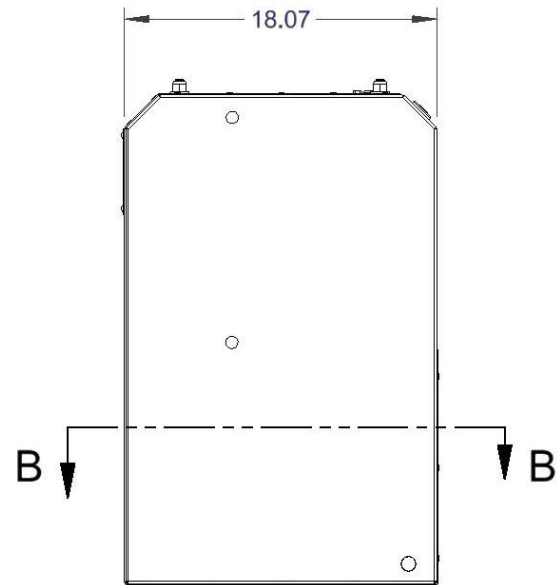
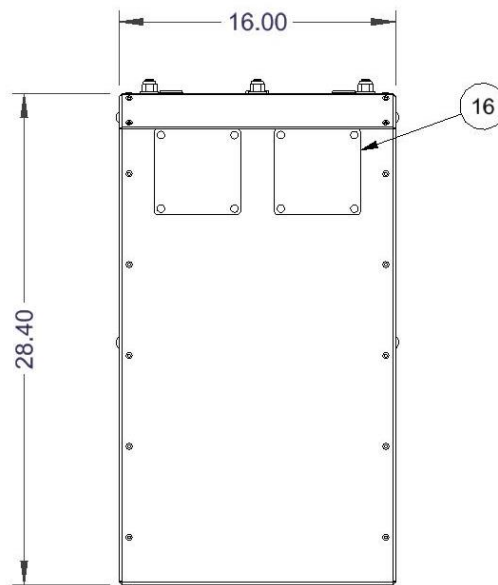
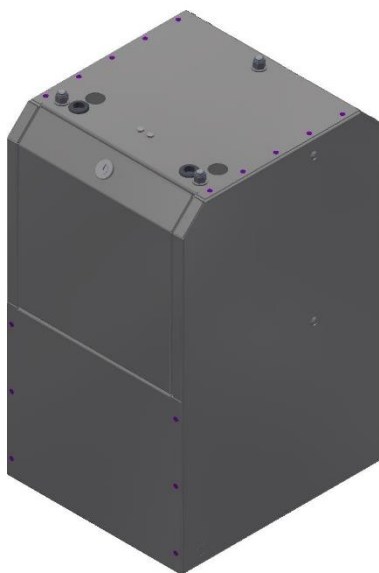


- If unit has water push, out knockout in right lower side of unit and plumb water thru and into solenoid inside machine.

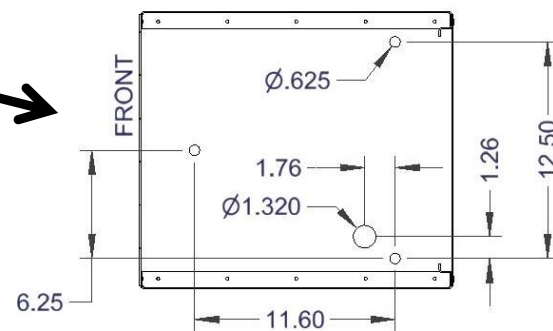


- Attach incoming wire to machine using the black, white and green pigtail as shown.

Installation for "B" series unit

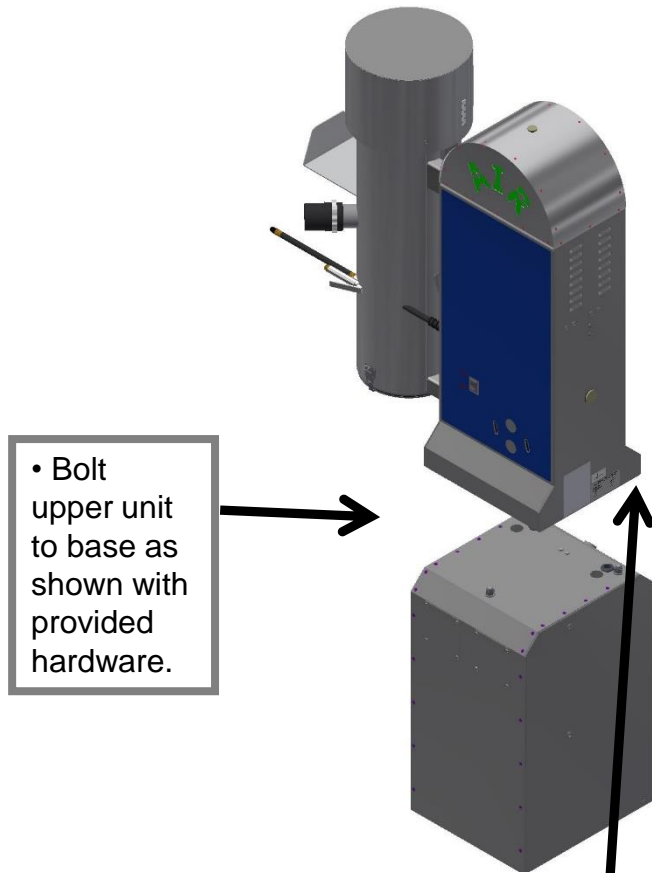


- Securely fasten base to solid, level ground using 3/8" concrete studs or similar (customer supplied).

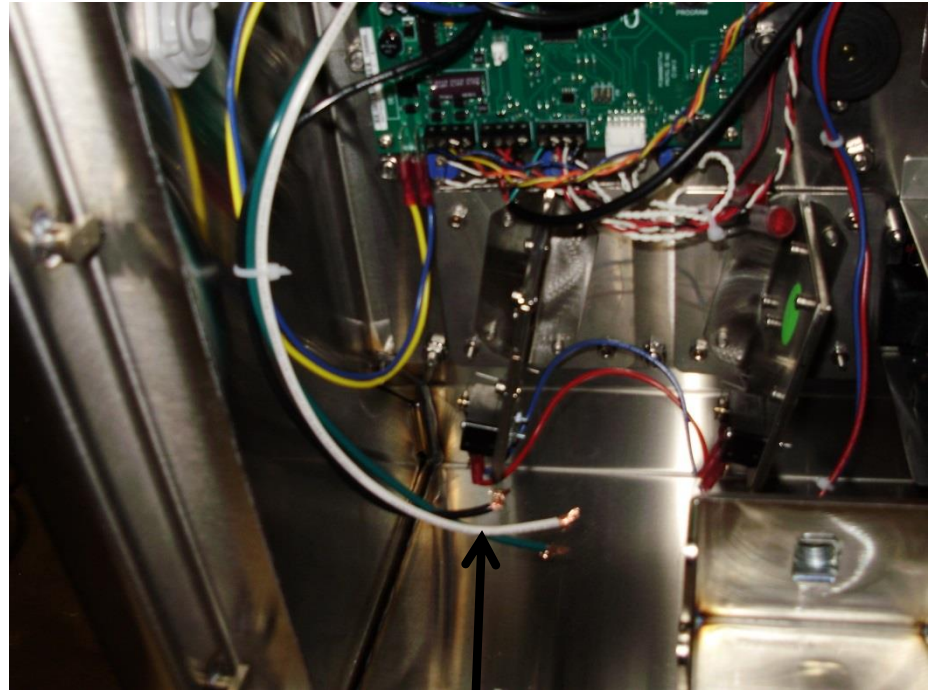


PLAN VIEW

Installation for "B" series unit



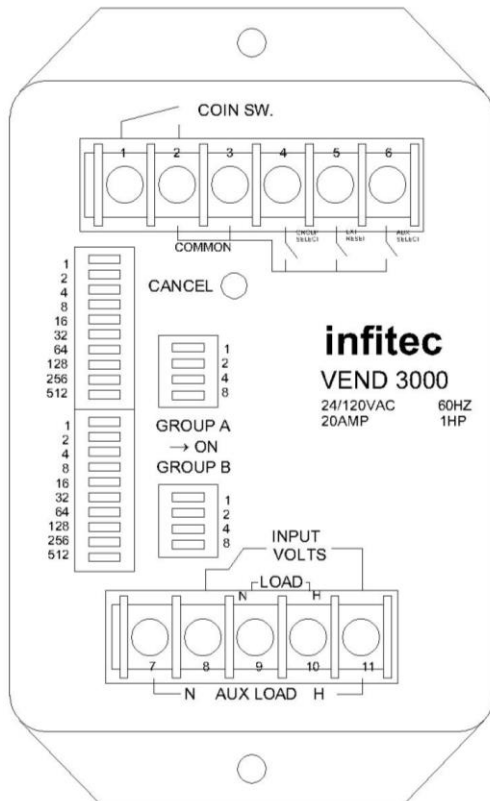
- If unit has water push out knockout in right lower side of unit and plumb water thru and into solenoid inside machine.
- Water can also be ran up from bottom of unit. See previous page for location.



- As shown on previous page electrical is to be plumbed thru bottom of unit.
- After machine is mounted and wire ran into cabinet attach incoming wire to machine using the black, white and green pigtail as shown.

Timer programming bill validator model:

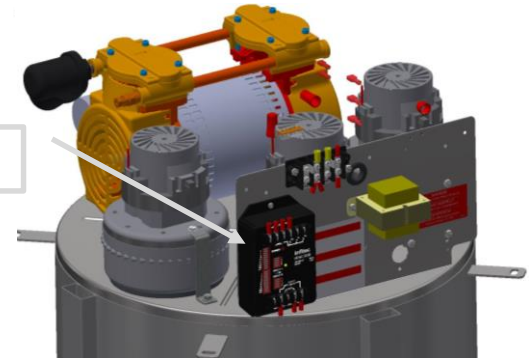
Models manufactured 2025 and later will use an Infitec VEND 3 **dual function** timer. The VEND 3 timer has a built in feature of two "coins to start" settings, plus two "time per coin" settings. For example, a location could program the vacuum feature for \$.75 for 4 minutes and the air compressor for \$1.25 for 4 minutes. If the end user would begin using the vacuum feature and later switch to the air compressor function, the VEND 3 would automatically recalculate the remaining time to the higher priced feature. To set, the number of "coins to start" dip switch rows are how many quarters are needed to make the machine come on. The "time per coins" dip switch row will then need to be set which are how many seconds are given for each coin inserted into the machine. For instance, if "coins to start" is set to two and time per coin is set to 64 and 32 (dips switches) the total time for the vend would be 192 seconds or 3.2 minutes (based on 2 quarters x 96 (64+32) seconds). The time per coin setting can be modified as desired by simply adding or subtracting time dip switches.



FEATURES:

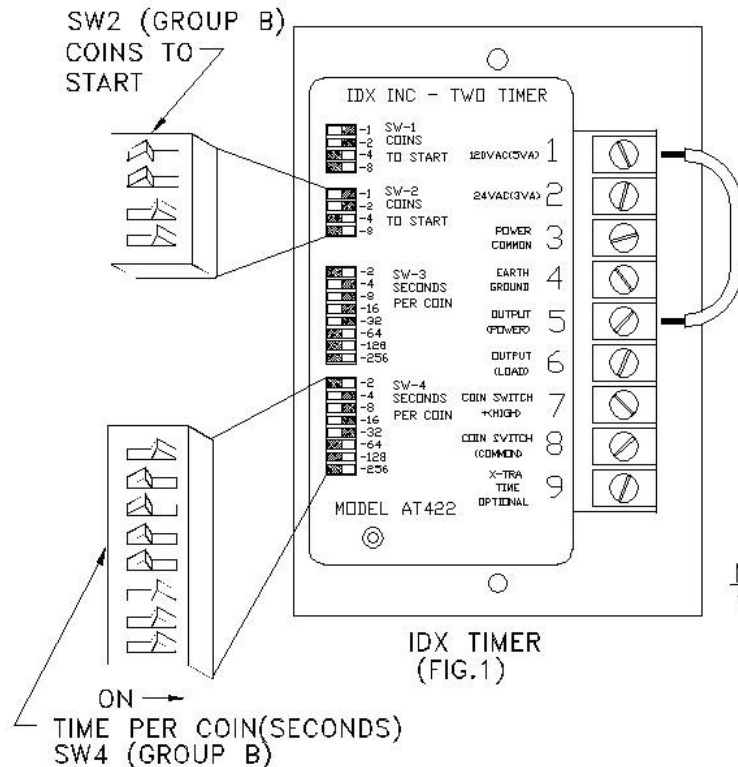
- WILL CALCULATE THE REMAINING TIME DIFFERENCE INSTANTLY, SWITCHING FROM TIMER 1 (GROUP A) TO TIMER 2 (GROUP B).
- 1 TO 15 COINS TO START (SWITCH GROUP A & GROUP B).
- ACCUMULATES TIME PER COIN (FOR BOTH GROUPS A & B).
- SELECT GROUP A OR B BY USING TOGGLE SWITCH ON FACEPLATE.
- SELECT COIN TIME FROM 2 SECONDS TO 8.5 MINUTES PER COIN.

Timer is located under dome.



Timer programming bill validator model:

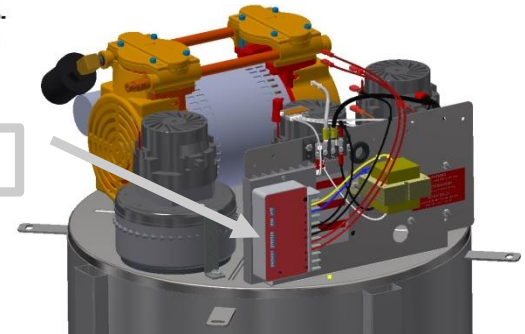
Models manufactured prior to 2025 were available with the IDX AT422 Series "Two-Timer." The AT422 has a built in feature of two "coins to start" settings, plus two "time per coin" settings. For example, a location could program the vacuum feature for \$.75 for 4 minutes and the air compressor for \$1.25 for 4 minutes. If the end user would begin using the vacuum feature and later switch to the air compressor function, the IDX AT422 would automatically recalculate the remaining time to the higher priced feature. To set, the number of "coins to start" dip switch rows are how many quarters are needed to make the machine come on. The "time per coins" dip switch row will then need to be set which are how many seconds are given for each coin inserted into the machine. For instance, if "coins to start" is set to two and time per coin is set to 64 and 32 (dips switches) the total time for the vend would be 192 seconds or 3.2 minutes (based on 2 quarters x 96 (64+32) seconds). The time per coin setting can be modified as desired by simply adding or subtracting time dip switches. On the timer SW-1 & SW-3 and SW-2 & SW-4 go together.



FEATURES:

- WILL CALCULATE THE REMAINING TIME DIFFERENCE INSTANTLY, SWITCHING FROM TIMER 1 (GROUP A) TO TIMER 2 (GROUP B).
- 1 TO 15 COINS TO START (SWITCH GROUP A & GROUP B).
- ACCUMULATES TIME PER COIN (FOR BOTH GROUPS A & B).
- SELECT GROUP A OR B BY USING TOGGLE SWITCH ON FACEPLATE.
- SELECT COIN TIME FROM 2 SECONDS TO 8.5 MINUTES PER COIN.
- SWITCH 1 & 3 ARE GROUP A.
- SWITCH 2 & 4 ARE GROUP B.

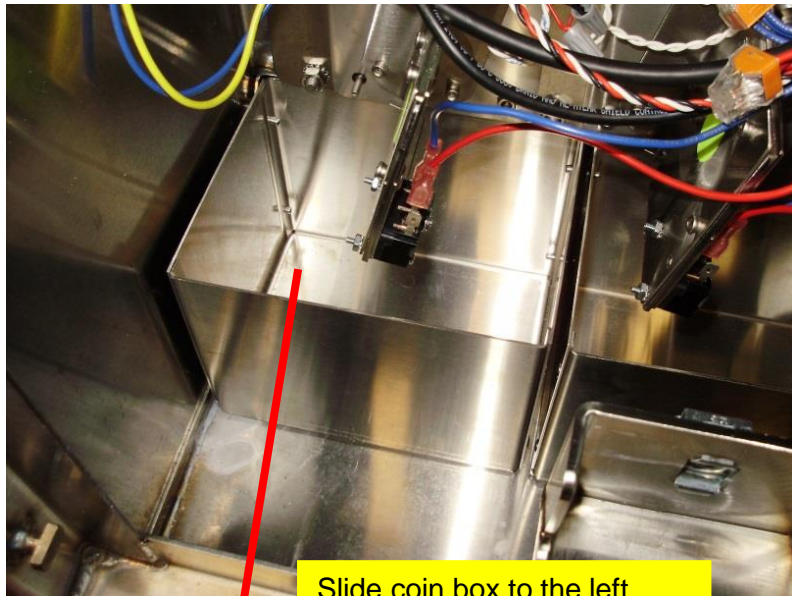
Timer is located under dome.



NOTE:

- 1) IDX TIMERS ARE ACCUMULATING TIMERS, MEANING THAT DURING TIMING PERIOD TIME CAN BE EXTENDED PROPORTIONALLY BY ADDING MORE COINS.

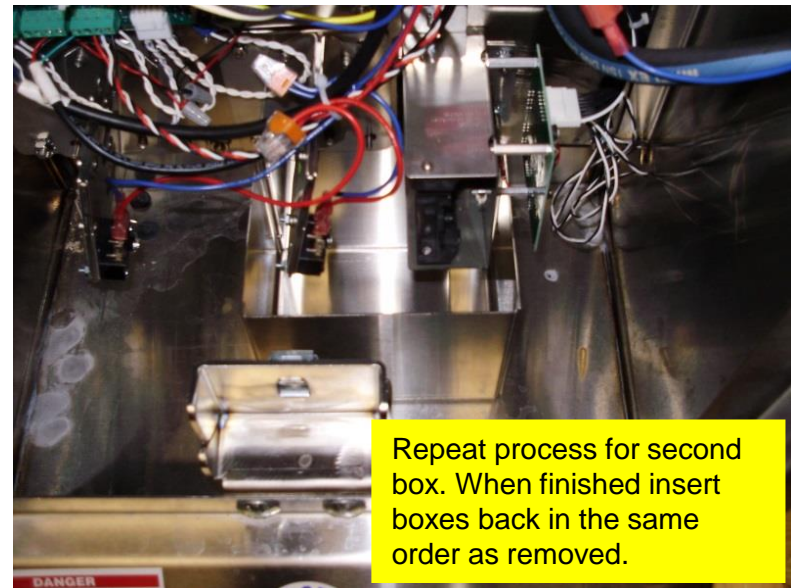
Coin Box Removal



Slide coin box to the left back side of unit.



Lift out box as shown



Repeat process for second box. When finished insert boxes back in the same order as removed.

Operating Instructions:

- Choose function using toggle switch, insert payment to start vacuum or air compressor.
- Once service is used, hang up hose.

Maintenance:

- **All servicing of machine should be conducted by an authorized service representative!**
- Filter bags should be accessed and shaken down weekly. It is recommended to keep a new set of bags on hand so that once every few months the bags can be replaced and then laundered.
- To maintain performance, empty dirt bin from the canister on a regular basis.
- Periodically inspect wires and connections for wear or fatigue.
- Check door and motor gaskets periodically for signs of wear or damage and replace as needed.
- Check vac hose, air hose, and air chuck washer for cracks or damage on a weekly basis.
- Clean canister with a stainless steel cleaner as needed. Decals can be cleaned with mild soap and water.
- Check motor brushes every month for excessive wear. Motor brushes should be changed immediately if they are shorter than 1/4". ***Please disconnect power before doing this!***




DISCONNECT POWER BEFORE SERVICING OR TROUBLESHOOTING!



Troubleshooting:

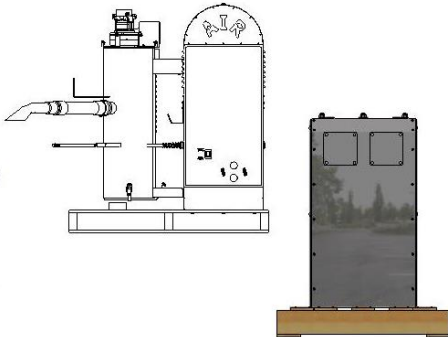
Problem	Possible cause	Solution
Unit is not powered.	Breaker inside unit is not in the on position.	Flip breaker on.
	No power to machine.	Check incoming power.
	Loose connection.	Check incoming power connection.
Machine is behaving erratically.	Is the incoming power at 120V?	Check voltage and monitor while machine runs. Low voltage can cause erratic behavior.
	Are any of the machines wires worn through or connections not making contact?	Inspect wiring and connections. Look for sharp bends in wires and places where wire is against the metal chassis.
Unit keeps tripping breaker.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for 20amp service versus length or run.
	Wrong size breaker.	Install correct breaker (only if wire size is adequate to handle 20 amp breaker).

Fuses for vac motors keep blowing.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for 20amp service versus length or run.
	Motor brushes may be bad or too short.	Replace motor brushes.
Lack of vacuum suction.	Vac hose clogged?	Clean debris from vac hose.
	Filter bags need cleaned or dirt chamber needs emptied?	Shake or clean filter bags or replace and empty lower dirt chamber.
	Vac hose is split?	Replace/repair vac hose.
	Cleanout door gaskets torn or worn?	Replace gaskets.
	Vac motor gaskets are worn or motor is not tight against.	Inspect/replace gaskets and assure motor is tight against them.
	Lower chamber cap plugs/mounting hole covers have popped out?	Open lower chamber and inspect plugs, order new if needed.
	Cleanout door gaskets torn or worn?	Replace gaskets.
	One of the vac motors is not working?	Check line motor fuse and replace. Replace motor if necessary.
Compressor runs but will not inflate tire.	Air is leaking from unit somewhere.	Turn power off to unit, apply chuck to air source with at least 30lbs of pressure and listen carefully for leaks inside cabinet or air hose. Renlace faulty component if leaking.
	If no system leaks, is compressor putting out enough pressure?	If compressor cannot force air into tire, the compressor may have exceeded its life span and need rebuilt (about 1000 hours).
	Chuck washer is worn out?	Replace rubber washer inside chuck with JE Adams PN 8533-3CW.
	Temperature is below freezing and condensation off compressor has froze in air hose.	Remove air hose and chuck and bring into warm area to thaw. Optional air dry systems are available through JE Adams if frequent problem- please call.
Compressor hums, won't start.	Contacts on compressor may be dirty.	Remove protective guard from end of motor and clean contacts.

PART NO.		BILL OF MATERIALS				BILL OF MATERIALS			
8798SB-VAC		ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY
		34	8678	HOSE HANGER	1	1	1079-3	GASKET	13.7"
		35	8732	NAMEPLATE SERIAL TAG, UL	1	2	22001-6A	PLUG LOCK, LARGE, WITH LOCK CORE	1
		36	8754	DECAL, DANGER, TRI-LING	1	3	28000-53	NONMETALLIC TUBE FITTING	1
		37	8798-3A 	INFITEC V3 TIMER ASSEMBLY, 8798	1	4	29000-ALLEN	3/8 ALLEN, 29000 PLUG LOCK SCREW	1
		38	8798-600W-2	CONTROL CABINET W/M - 8798-VAC SERIES, NO CREDIT CARD	1	5	5600D4	3/8-16 X 1.5 HHCS	3
		39	8798VAC-KIT	DECAL KIT, 8798-VAC SERIES FACEPLATE	1	6	5603D3	NUT, 3/8-16 Nylock, SS	6
		40	8799-27W	LOCK HOUSING WELDMENT	1	7	5606D22	WASHER, 3/8 FENDER	6
		41	8799-35W	ENTRY DOOR WELDMENT	1	8	5606D8	WASHER, 3/8, USS, 1" OD	4
		42	8799-40A-1	DOME ASSEMBLY, SSAC ONLY	1	9	5619D3	1/2" - 13 HEX SOC HEAD SCREW	1
		43	8799-5	COMPRESSOR BRACKET	2	10	5622D1	BOLT, 3/8-16 x 1.00, HH, HD, SS	4
		44	8799-515AB	BASE, STANDALONE DIGI AIR MOUNT	1	11	5631d1	1/4-20 SCREW, ONE-WAY HEAD	4
		45	8799-6003	PLUG, WATERTIGHT FITTING HP SERIES 2	1	12	5632D1	3/8-16 x 3/4" SS, UNC CARRIAGE BOLT	2
		46	8799-6005A	COIN BOX ASSEMBLY	2	13	5635D4	BOLT, 1/4-20 X .75, CH, SS	8
		47	8833-30A	FUSE HOLDER, 30A	1	14	5800D6	ELBOW, STREET, 1/4NPT, 90D, BRS	1
		48	8939-60S	PALLET, 29060 SERIES, SPECIALITY, 40" X 40"	1	15	5815D4	ELBOW, FEMALE, 1/4 NPT	2
		49	9299-100	PVC FLEX CONDUIT, NON-METALLIC, 1/2"	1	16	5901D1	WIRE NUT, YELLOW	5
		50	9299-CERTUS	COMMERCIAL MINI-VAC, SINGLE MOTOR, CERTUS	1	17	5901D4	WIRE NUT, ORANGE	2
		51	9862	110VAC 3/4 TWIN GAST COMPRESSOR	1	18	5914-1	ROCKER SWITCH, DPDT, 16A, SEALED	1
		52	B5722-002	NUT, 3/8-16 UNC HEX LOCK NUT	3	19	5915D7	CONDUIT CONN, 1/2" LIQUIDTIGHT PVC	1
		53	B9900-001	WASHER, BONDED SEALER	4	20	5979D1	FUSE, 20A	1
						21	7722S	1/4" NPT SST HEX NIPPLE MALE	1
						22	8036	NUT, 1/4-20 UNC KEPS	24
						23	8047	60" x 70" BAG	1
						24	8081	CABLE TIE MOUNTS	5
						25	8084	CABLE TIES	20
						26	8144A	ASSEMBLY, COIN MECH	2
						27	8157	NUT, #6-32 KEPP NUT STAINLESS	8
						28	8183	DECAL, "DISCONNECT POWER"	1
						29	8437D002	ETL DECAL, AIR MACHINES	1
						30	8532-25	AIR HOSE ASSY, 1/4" X 25'	1
						31	8533-8	TIRE INFLATOR W/ GAUGE	1
						32	8545-13	AIR HOSE ASSY, 1/4" X 15"	1
						33	8549	FLEX STRAIN RELIEF	1

NOTE 1
8799-515AB IS TO BE PACKAGED AND SENT ALONG WITH MACHINE, UNLESS OPTION FOR HOSE REEL IS ADDED. (SEE BELOW)

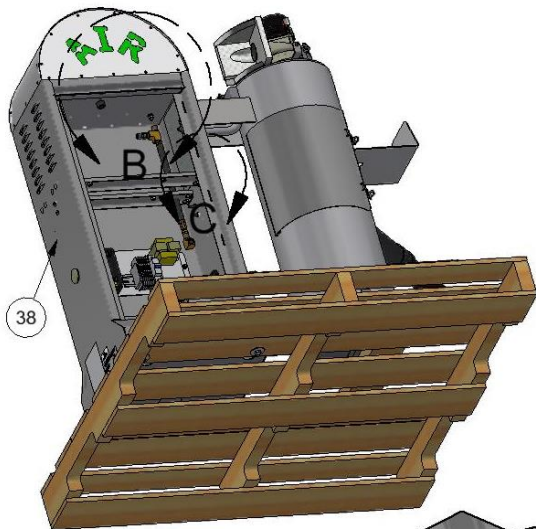
NOTE 2
29000-ALLEN, T HANDLE ALLEN WRENCH USED TO REMOVE ALLEN BOLTS FROM LOCKS. STANDARD OPTIONAL:
* 8799-515ABA, HOSE REEL ASSEMBLY. IF PURCHASING REMOVE 8799-515AB (1), 8532-25 (1), 8549 (1) AND 8678 (1) FROM PURCHASE ORDER.



C	9204	REPLACE 8798-2A TIMER ASSY AS NO LONGER AVAILABLE	12/30/24	JRF
B	9128	CHANGE CABINET AND DOOR PART NUMBERS TO NEW STYLE (WAS 8798-500W-2 & 8799-25W)	03/01/24	JRF
A	9082	ADDED 7722SS (1) AND 5815D4 (1), REMOVED 5827D1	10/9/23	BJL
-	8926	RELEASED	11/10/22	JRF
REV	NO.	DESCRIPTION	DATE	BY

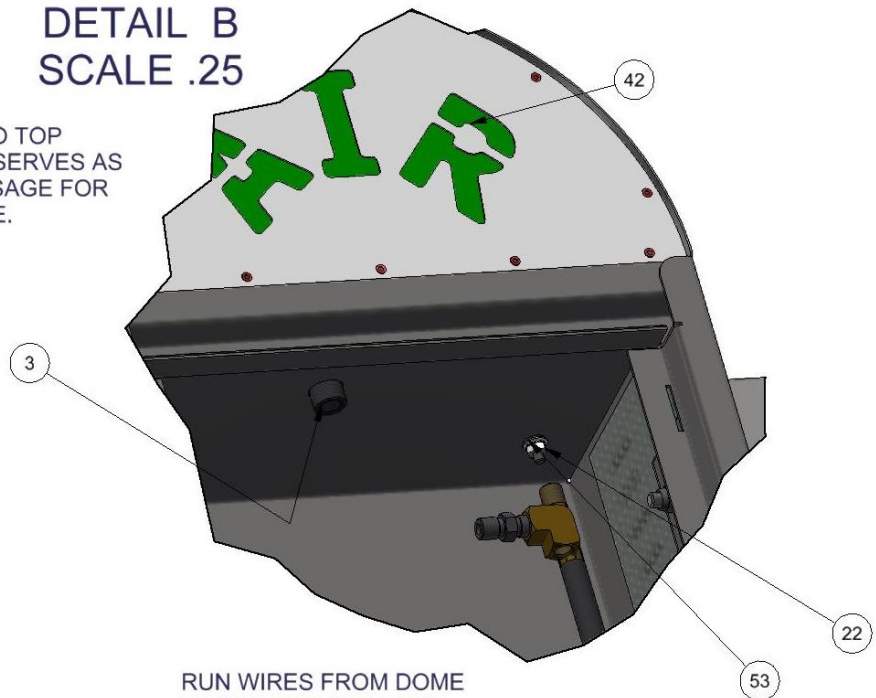
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES

TITLE		AIR-MINI-VAC MACHINE, W/BASE	
UNSPECIFIED TOLERANCES	MATERIAL	CEDAR RAPIDS, IOWA	
1 PL ±.030	DRAWN BY	JOHN F	
2 PL ±.020	DATE	8/16/2022	
3 PL ±.003	SCALE	SHEET	1 / 6
ANGLE ± 1°		PART NO.	8798SB-VAC
		REV.	C

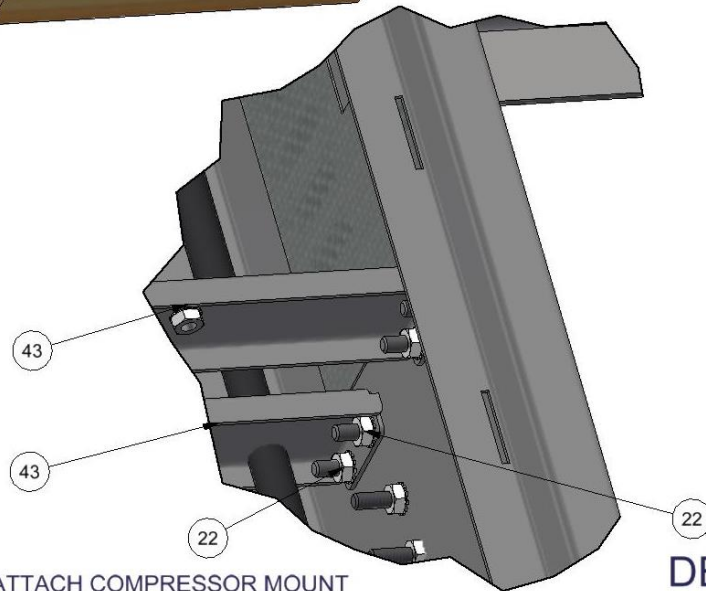


DETAIL B SCALE .25

ATTACH FITTING TO TOP OF CABINET. THIS SERVES AS A WATERTITE PASSAGE FOR WIRES FROM DOME.




RUN WIRES FROM DOME THRU WATERTITE SEAL JUST INSTALLED. ATTACH DOME ASSEMBLY TO CABINET USING HARDWARE SHOWN. (4PL)

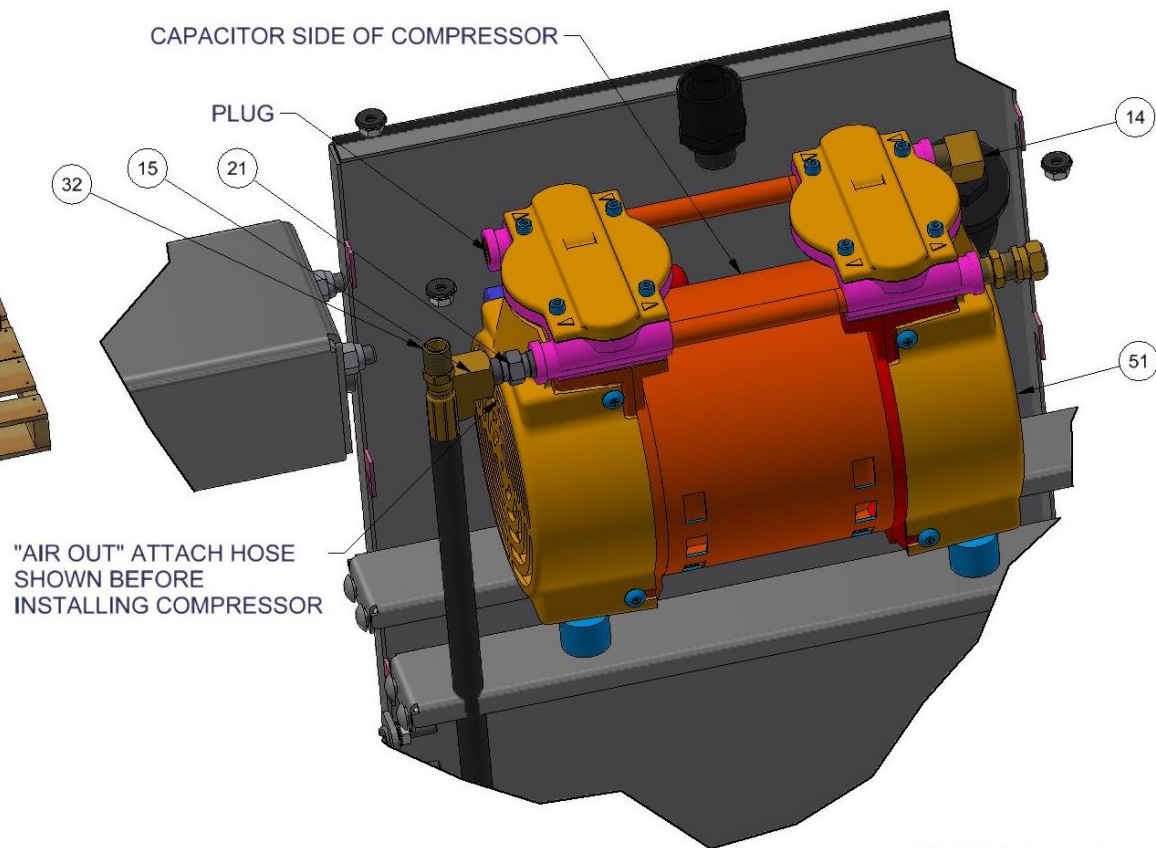
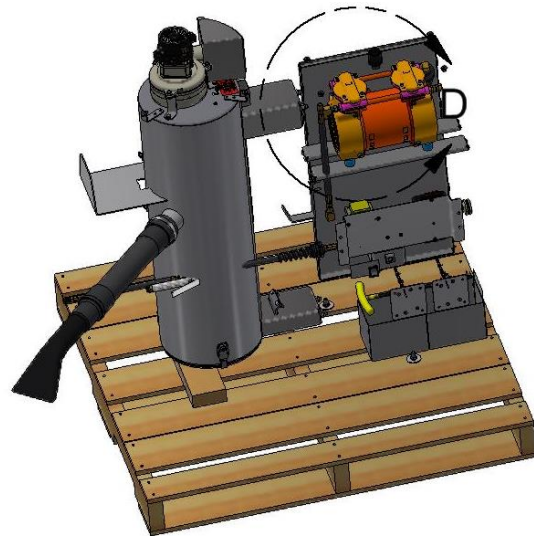


ATTACH COMPRESSOR MOUNT BRACKETS INTO CABINET.

DETAIL C SCALE .4

TITLE					
AIR-MINI-VAC MACHINE, W/BASE					
UNSPECIFIED TOLERANCES 1 PL ± .030 2 PL ± .020 3 PL ± .003 ANGLE ± 1°		MATERIAL		CEDAR RAPIDS, IOWA	
		DRAWN BY			
		JOHN F			
		DATE			
		8/16/2022			
		SCALE	SHEET	PART NO	REV.
			2 / 6	8798SB-VAC	C

REV	NO.	DESCRIPTION	DATE	BY
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES				

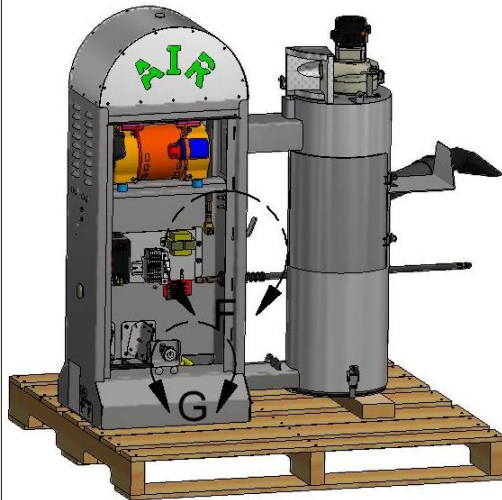


DETAIL D
SCALE .3

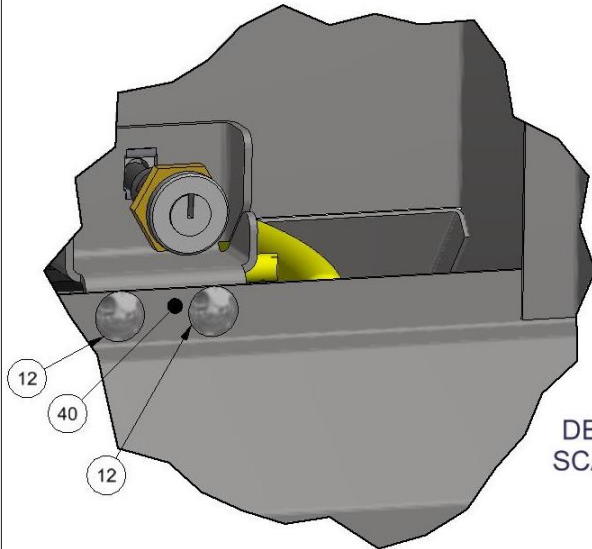
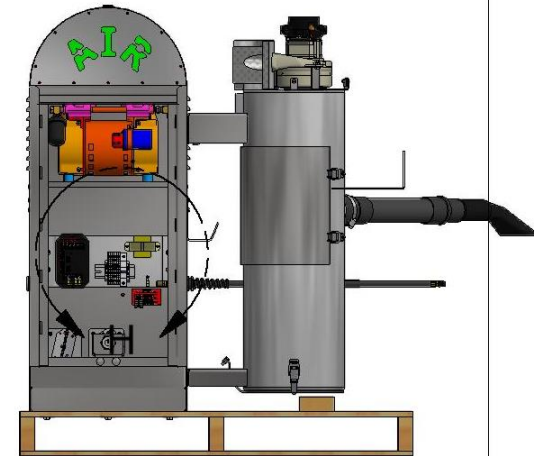
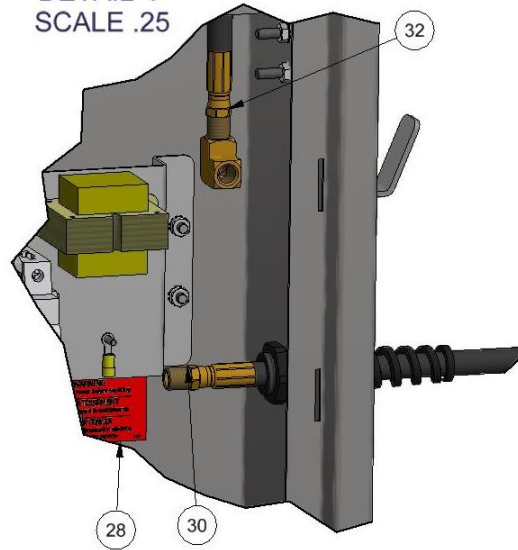
REV	NO.	DESCRIPTION	DATE	BY
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TITLE AIR-MINI-VAC MACHINE, W/BASE				
UNSPECIFIED TOLERANCES		MATERIAL		
1 PL	± .030	DRAWN BY	JOHN F	
2 PL	± .020	DATE	8/16/2022	
3 PL	± .003	SCALE	SHEET	REV.
ANGLE ± 1°		3 / 6	8798SB-VAC	C

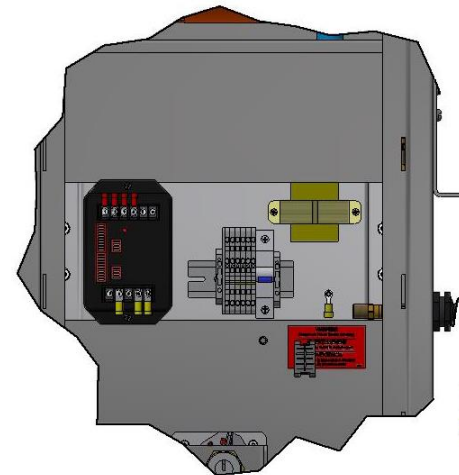




DETAIL F
SCALE .25




DETAIL G
SCALE .375

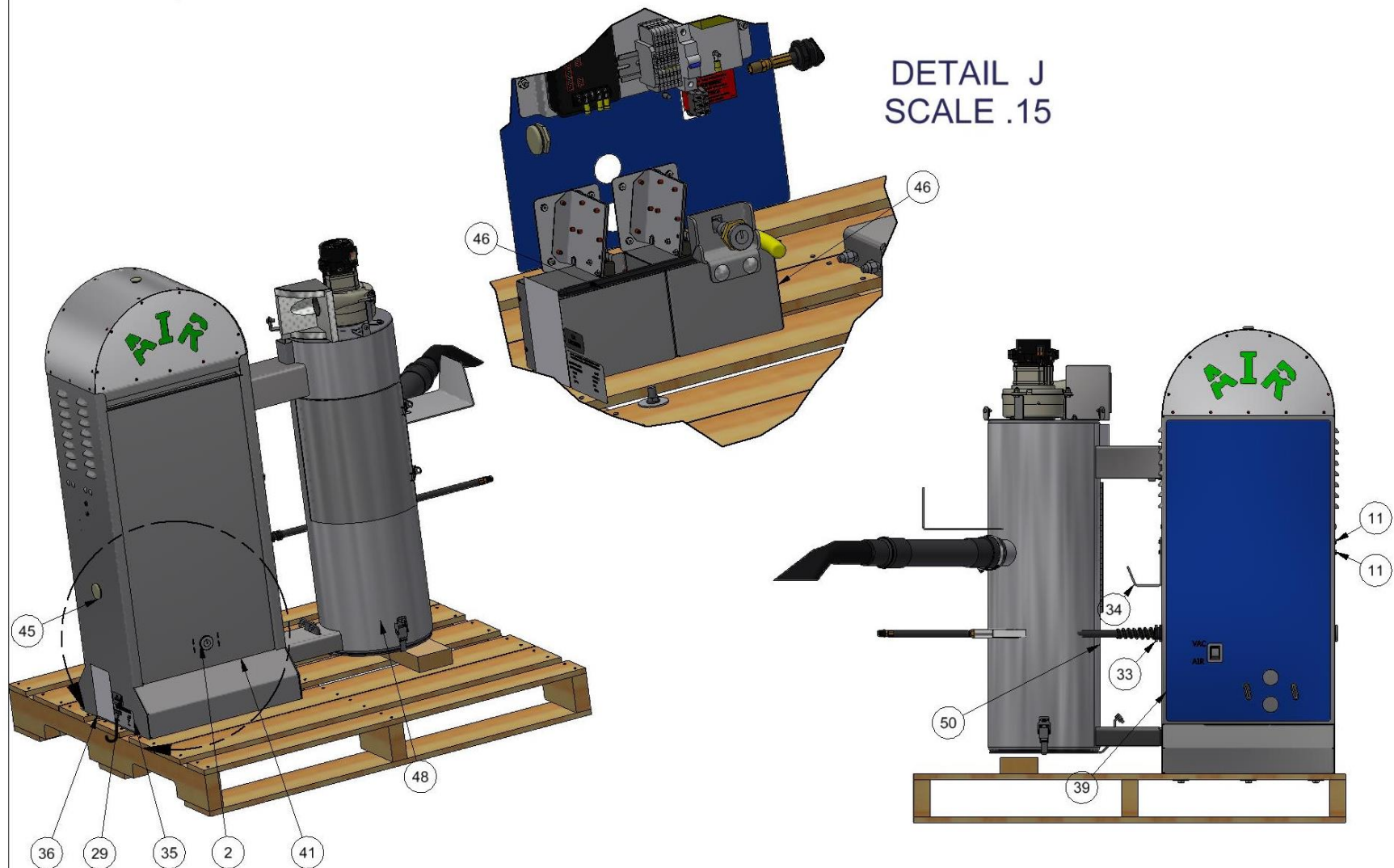



DETAIL H
SCALE .16

REV	NO.	DESCRIPTION	DATE	BY
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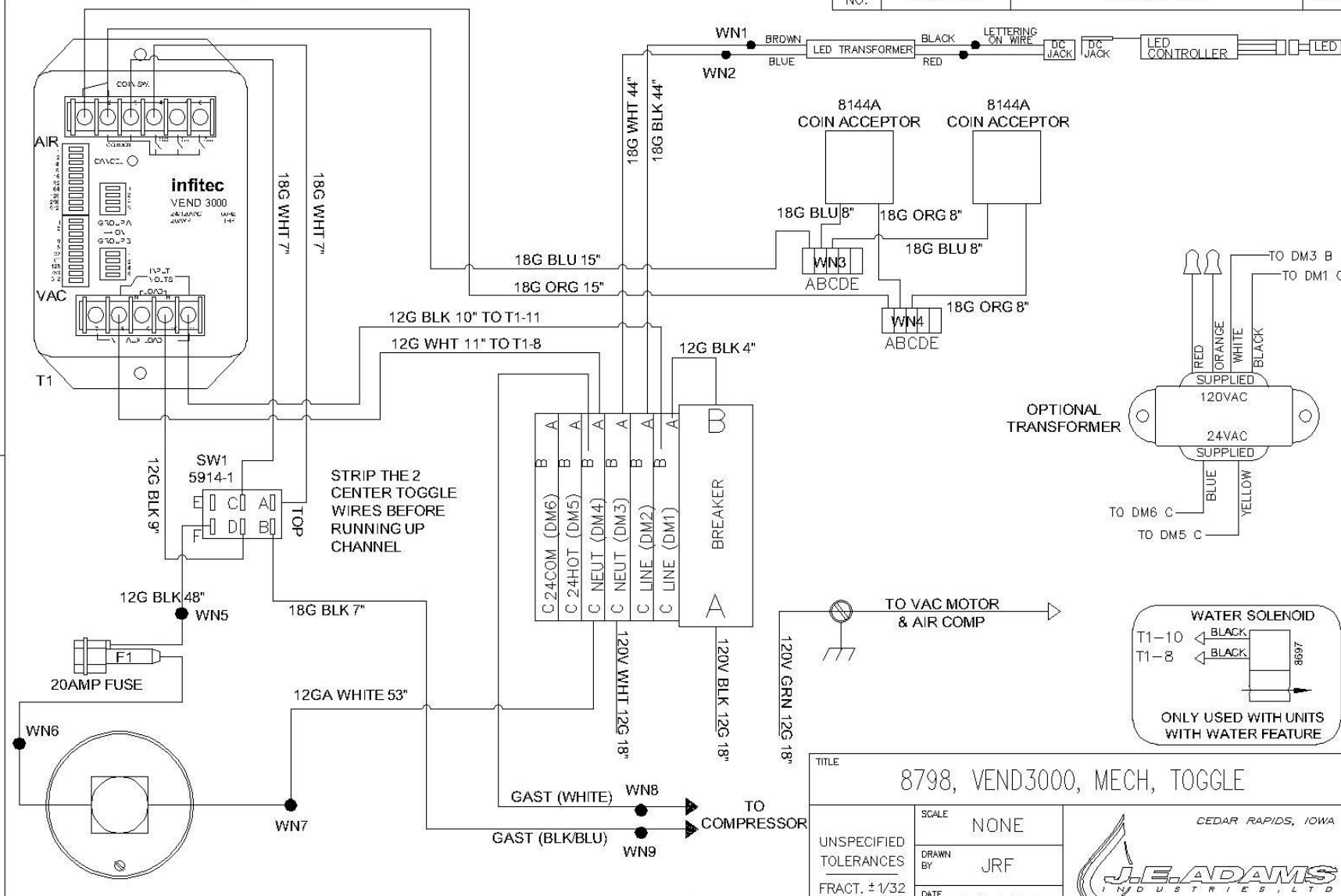
TITLE					AIR-MINI-VAC MACHINE, W/BASE				
UNSPECIFIED TOLERANCES 1 PL ± .030 2 PL ± .020 3 PL ± .003 ANGLE ± 1°		MATERIAL			 CEDAR RAPIDS, IOWA				
		DRAWN BY							
		JOHN F							
		DATE							
		8/16/2022							
		SCALE		SHEET		PART NO		REV.	
				4 / 6		8798SB-VAC		C	





TITLE		AIR-MINI-VAC MACHINE, W/BASE		CEDAR RAPIDS, IOWA	
UNSPECIFIED TOLERANCES 1 PL ± .030 2 PL ± .020 3 PL ± .003 ANGLE ± 1°		MATERIAL			
		DRAWN BY			
		JOHN F			
		DATE			
		8/16/2022			
		SCALE	SHEET	PART NO	REV.
			5 / 6	8798SB-VAC	C

ITEM NO.	PART NO.	DESCRIPTION	QTY.
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TITLE 8798, VEND3000, MECH, TOGGLE			
UNSPECIFIED TOLERANCES FRACT. $\pm 1/32$ 2 PL $\pm .020$ 3 PL $\pm .010$ ANGLE $\pm 1.0^\circ$	SCALE	NONE	
	DRAWN BY	JRF	
	DATE	7/11/24	
	REL. FOR PROD.		
PART NO. 88798-VAC SERIES	REV. —		