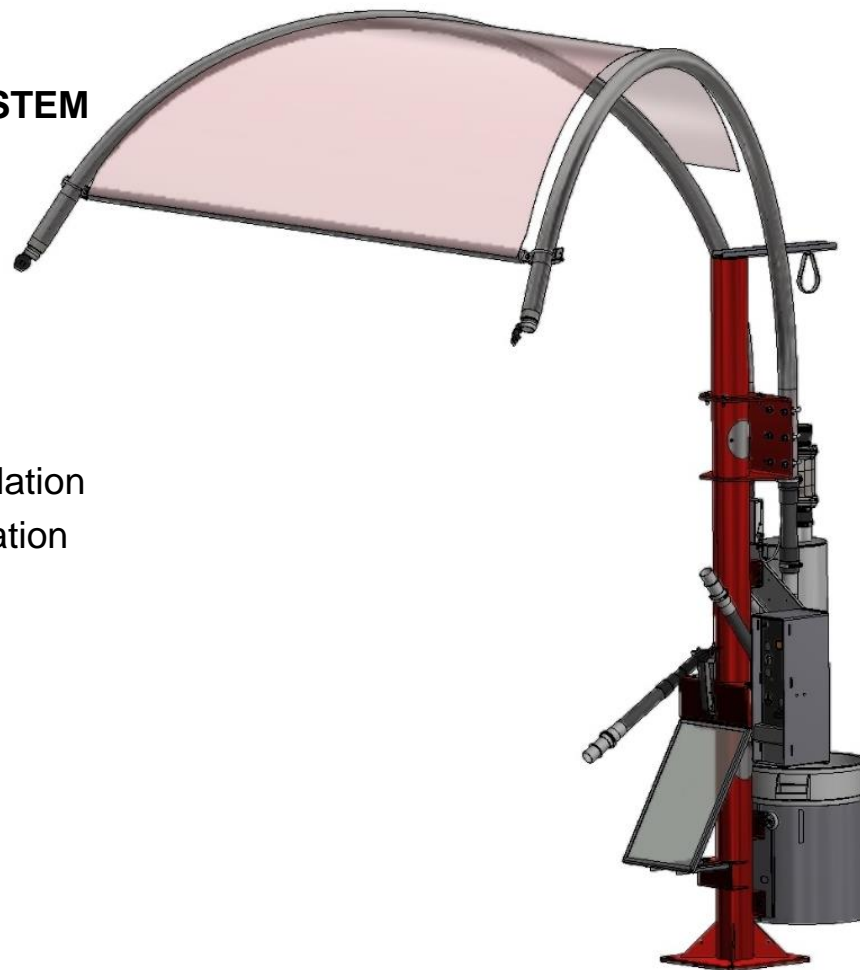




Models- **35000-400 CENTRAL VAC PAY SYSTEM**
V CANOPY

Page 2	Product Information
Page 3,4	Specifications
Page 5	Product Dimensions
Page 6-8	Control Box Installation
Page 9,10	Solenoid and Valve Installation
Page 11	Control/ Faceplate Installation
Page 12	Maintenance, Operation
Page 13-19	Parts



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

Pay system will work with existing V canopy formation, with following additions:

- Valve kit, single 3" valve (comes with control solenoid)
- Control/pay box (tall box only, uses long face plates, left or right post mounting)
- Control faceplate assemblies (standard combinations available)
- Customer supplied air source ***(90 PSI maximum pressure)***

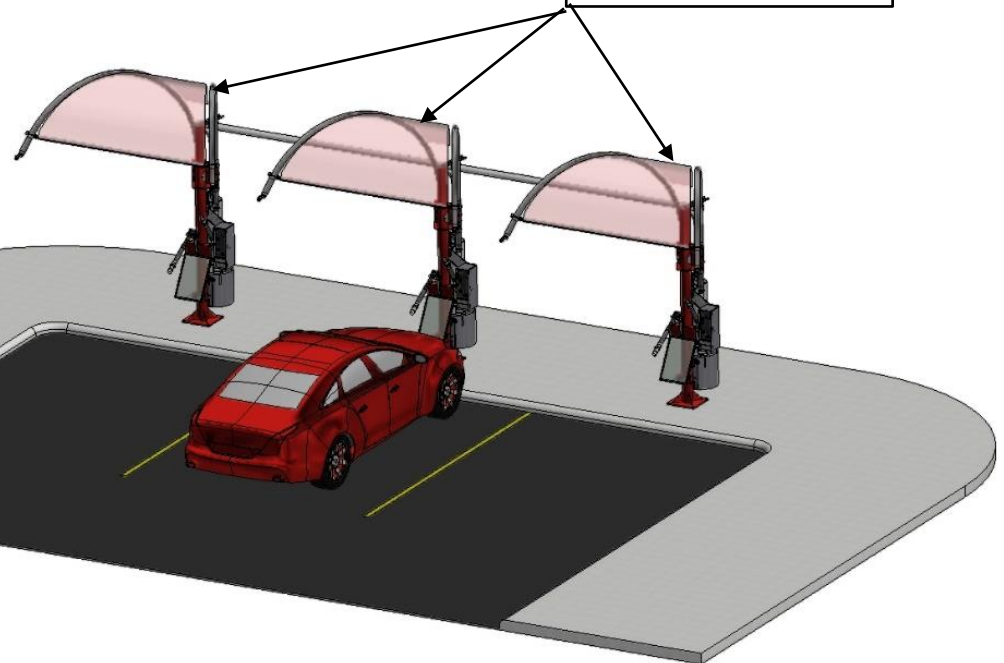
NOTE: This manual is for central vac pay system only. If installing new system you must use 35000-11 manual which has details of installation of stanchions, arches and canopies along with accessories.

Pay system works with standard accessories:

- Locking trash receptacle
- Stainless steel mat rack
- Mat clamp
- Claw tool holster
- Crevice tool holster
- Optional V shade canopy
- Optional LED Lighting

A source of air pressure will need to be run to each stanchion

Theory of Operation: Each stanchion has a Control / Pay box and a single valve that controls both arches attached to that Stanchion. Each stanchion is autonomous.



Specifications Cont.

Unit specifications:

Voltage:

Amperage:

Weight:

Per Control Box Assembly (LED7 Display version)

120vac, 60hz

15 amp

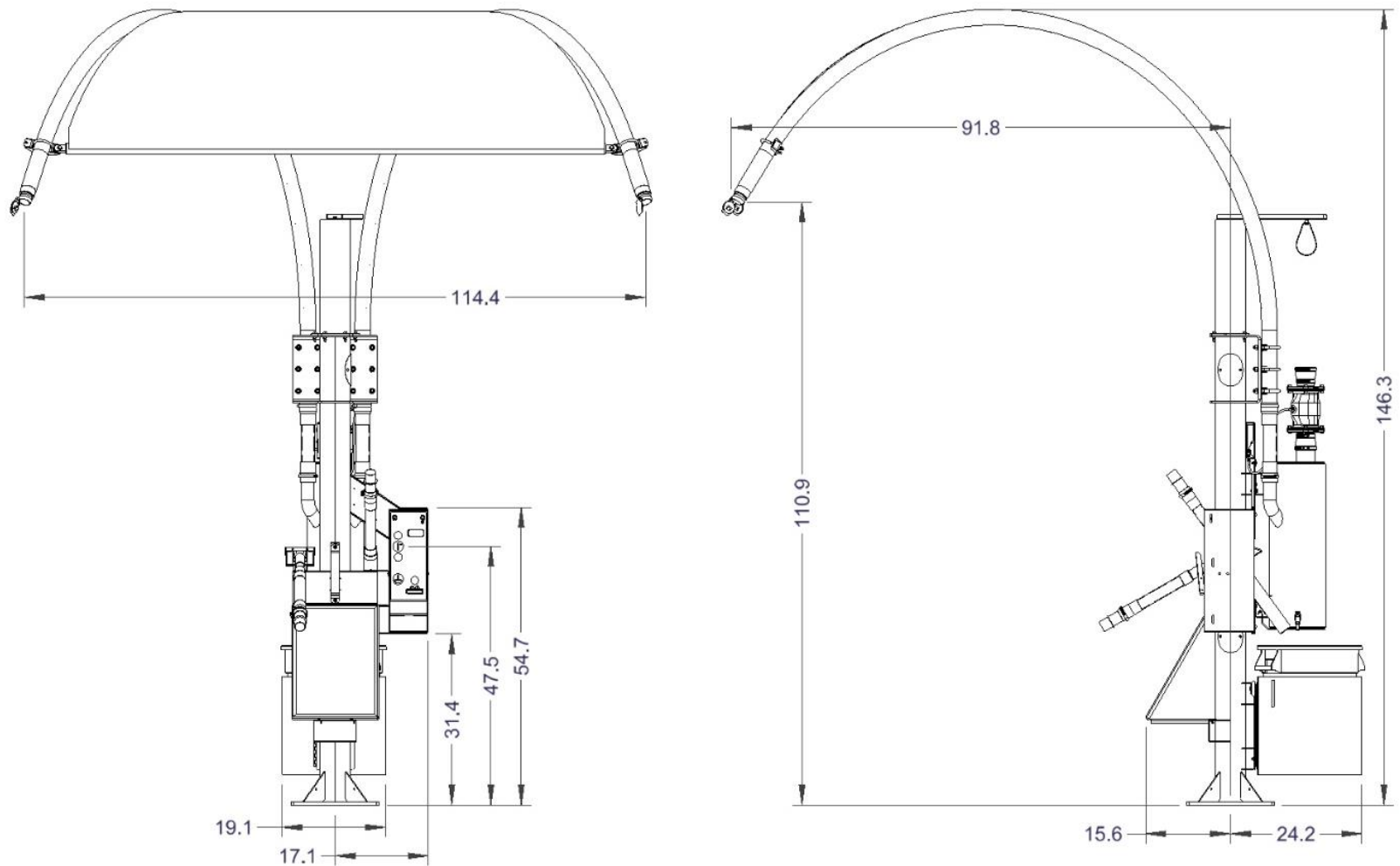
35000-400-4A (Control Box Assembly) 48 lbs

35000-400-20A (Face Plate Assembly) 14 lbs

9202-60A or 9202-64A (Pre-Collector) 27 lbs.

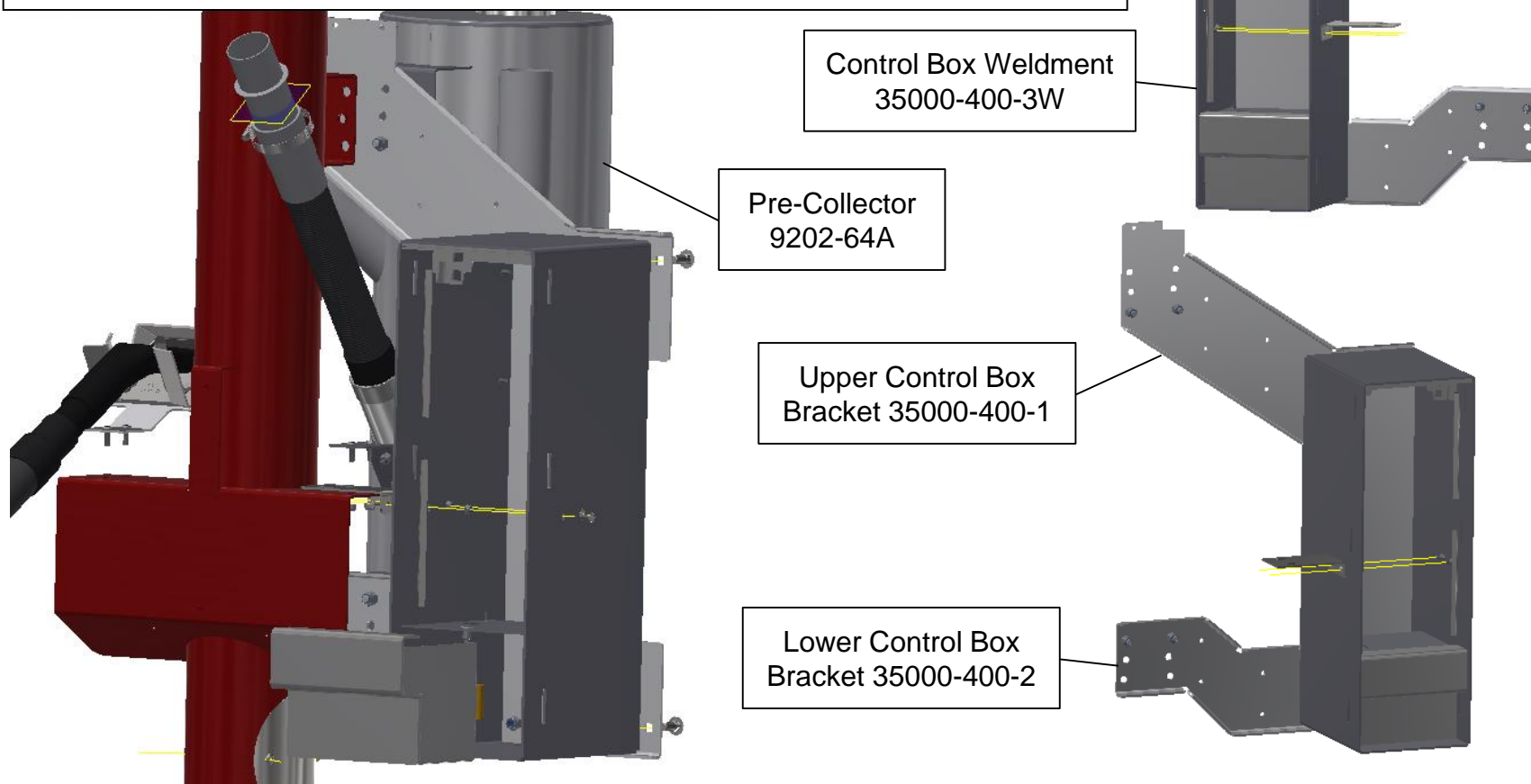
Dimensions

NOTE: This manual covers only the Pay Central Vac system and is not intended to replace the standard install manual. Standard installation instructions must be followed in manual 35000-11 DUAL ARCH STANCHION



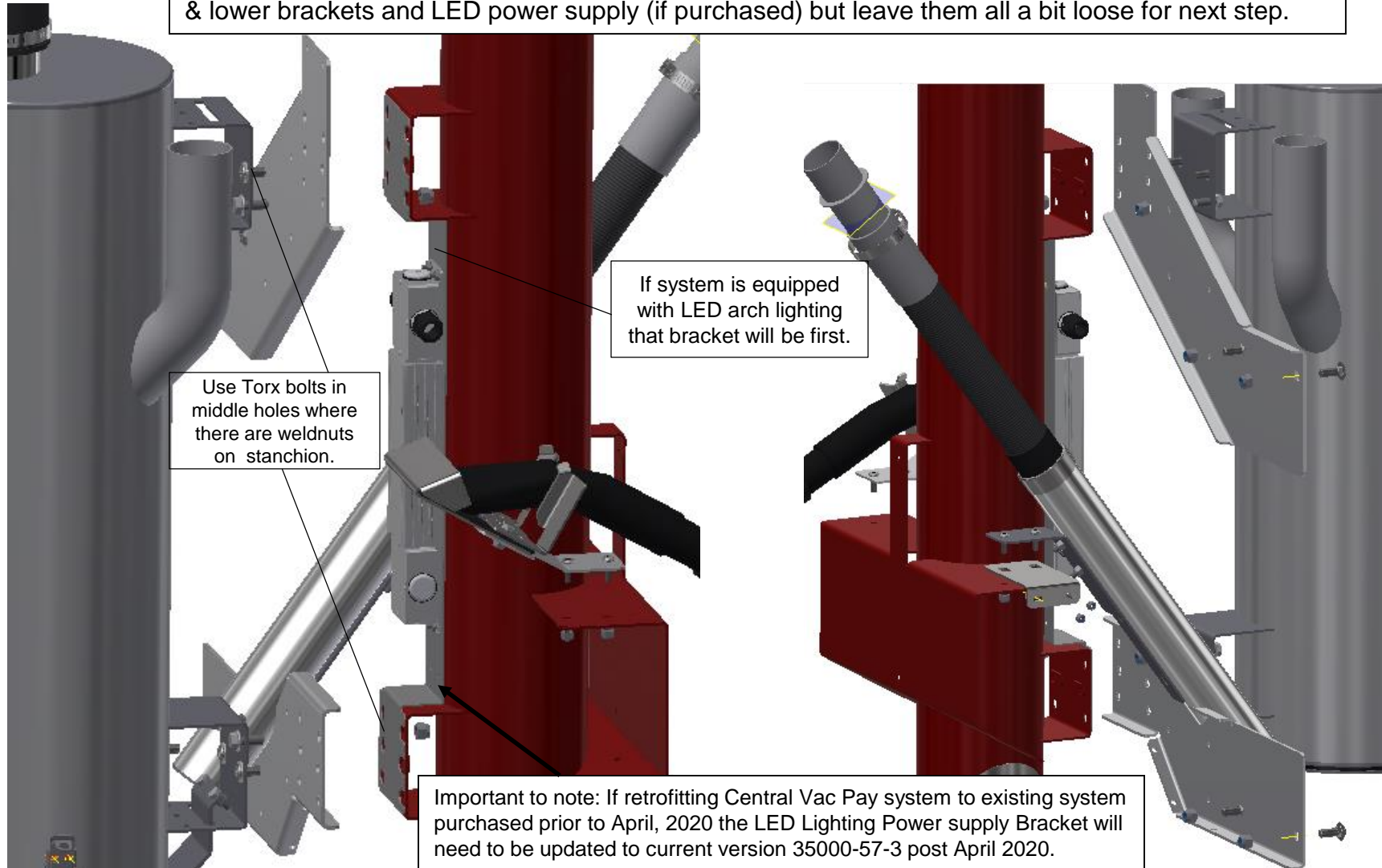
Control Box Install, 35000-400-4A:

The control box can be mounted on either the left or right side of post. Customer preference as to which side of the stanchion it is mounted. Same parts are used regardless of orientation of Control Box. In retrofit situations the swing out trash can 35000-140A is more difficult to remove with Control Box on left but still functional. Post May 2020 standard Central Vac systems come with bidirectional trash can unit. This step requires 2 people as there can be multiple items of some weight to hold in place while hardware is started. Hardware used are (4) 3/8" Torx security bolts and (4) 3/8" hex bolts with locknuts

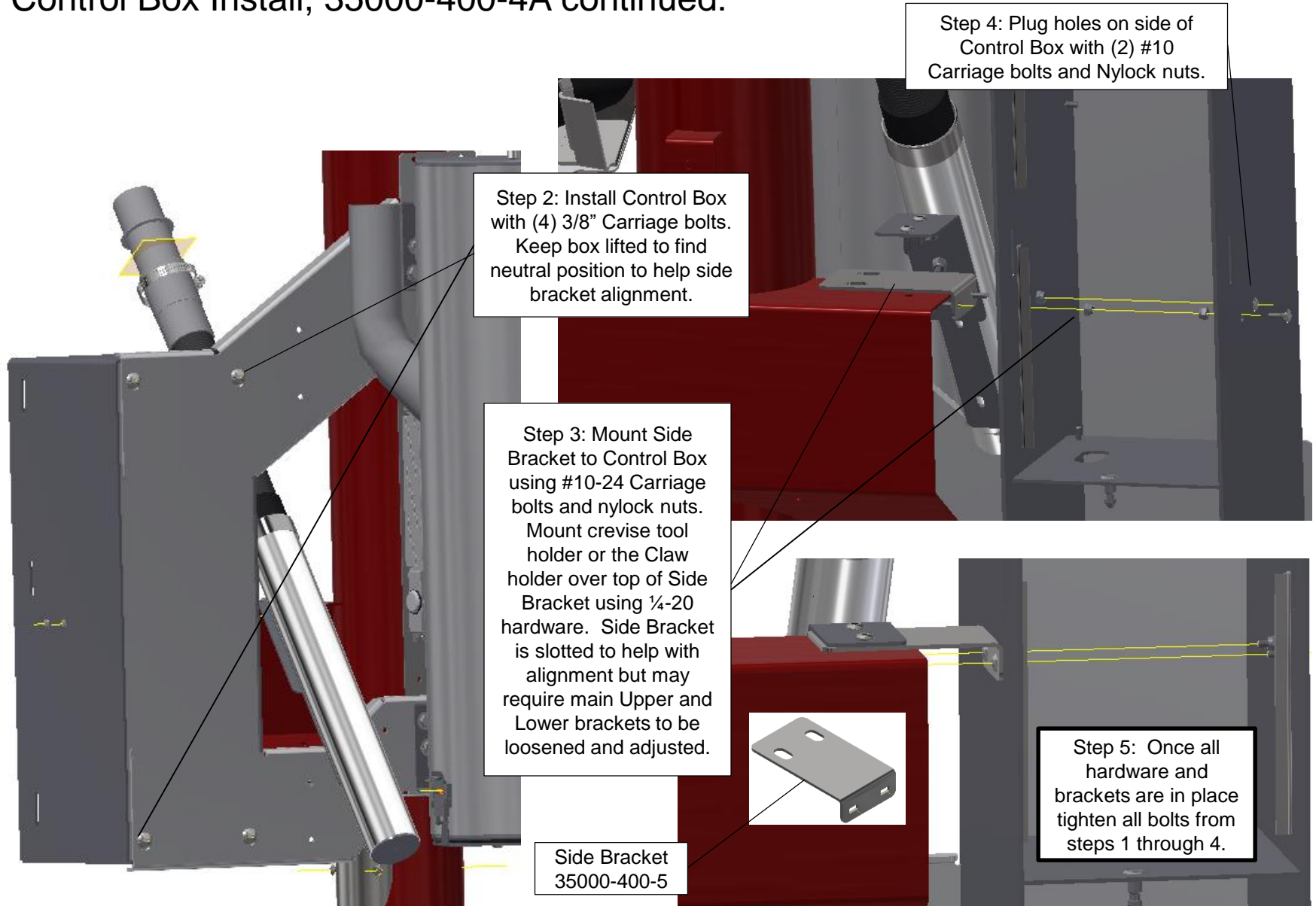


Control Box Install, 35000-400-4A continued:

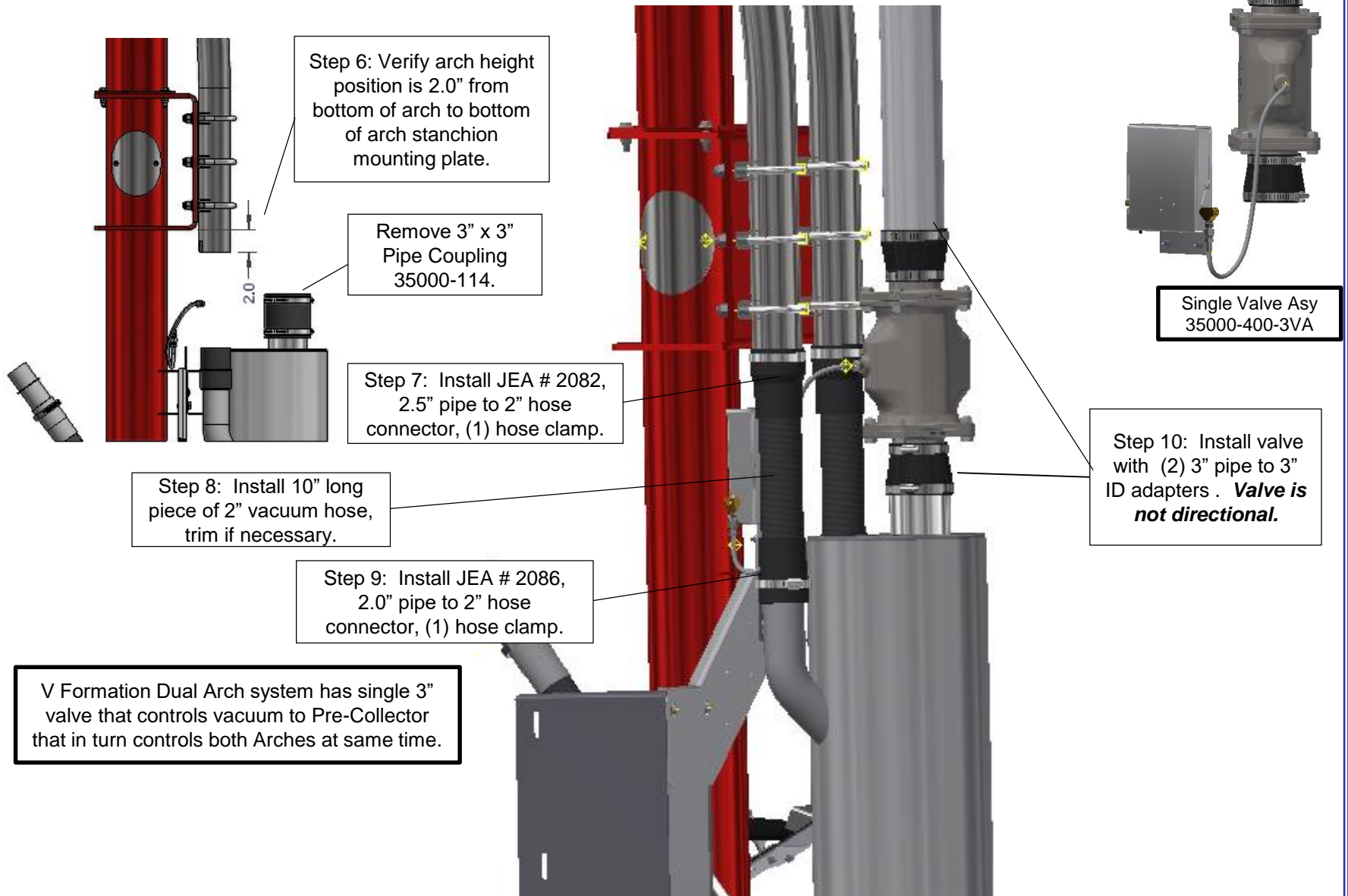
Step 1: Start assembly with just the upper and lower brackets, Pre-Collector and LED power supply bracket if LED lights are part of the ordered kit. Start all of the bolts to mount the pre-collector, upper & lower brackets and LED power supply (if purchased) but leave them all a bit loose for next step.



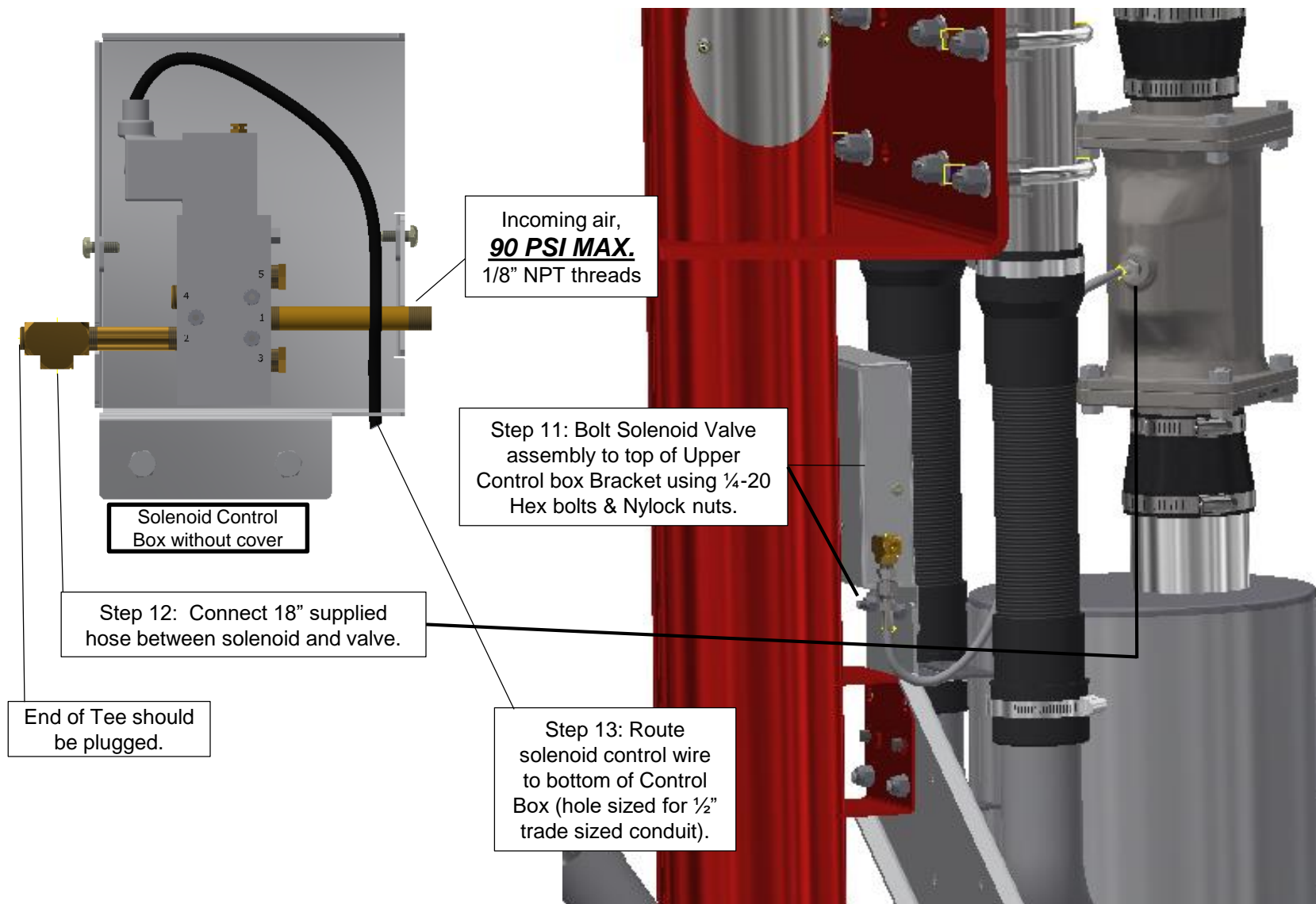
Control Box Install, 35000-400-4A continued:



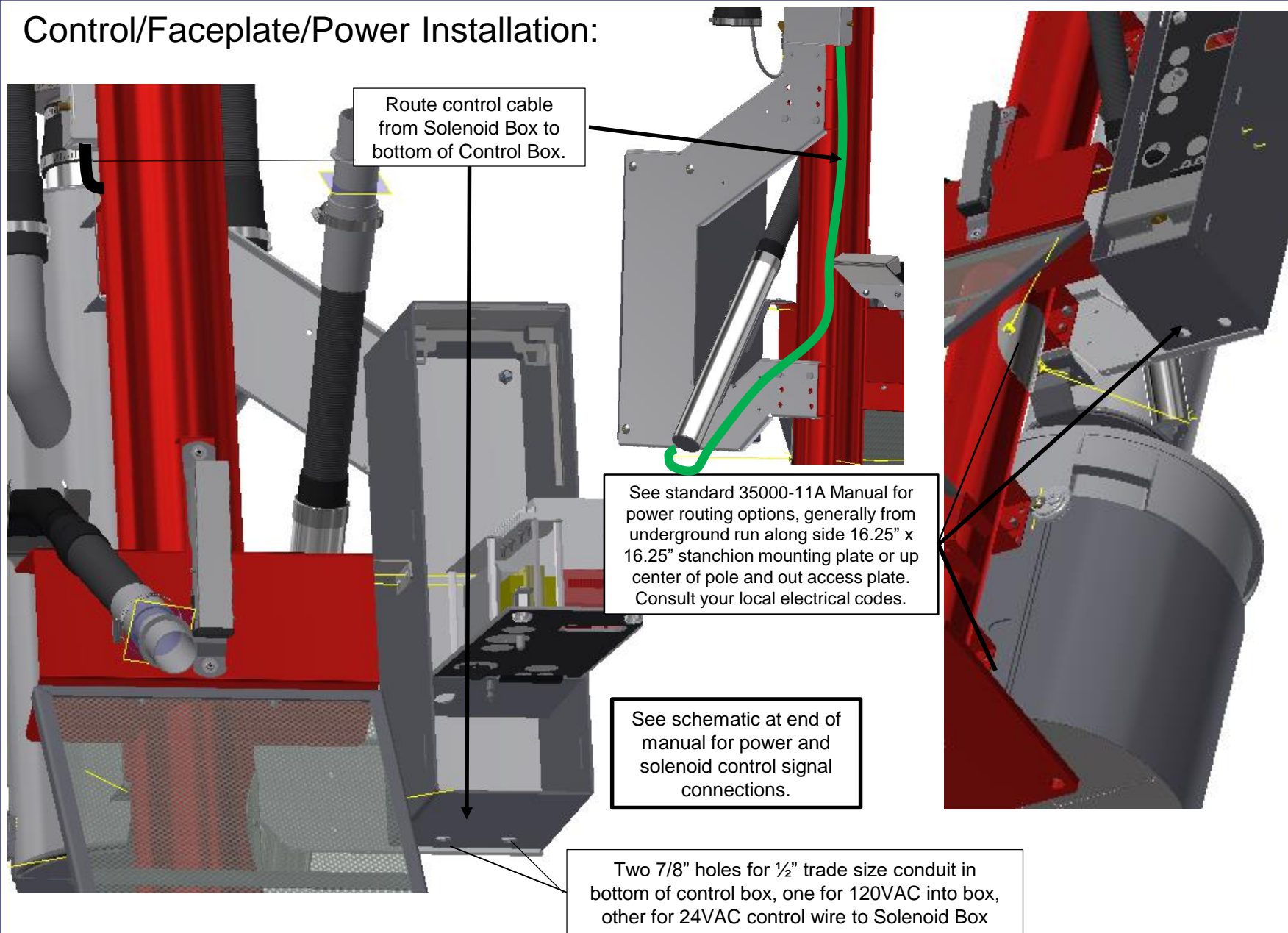
Solenoid & Valve Install 35000-400-3A:



Solenoid & Valve Install Continued:



Control/Faceplate/Power Installation:



Maintenance:

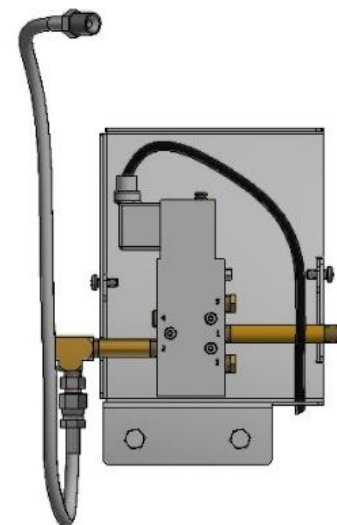
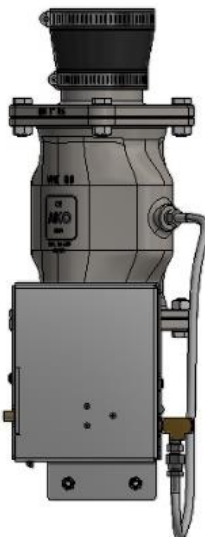
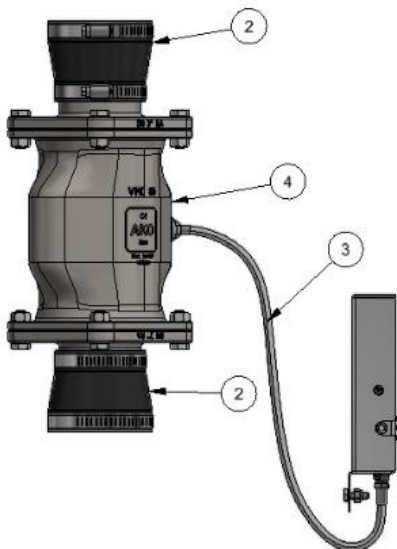
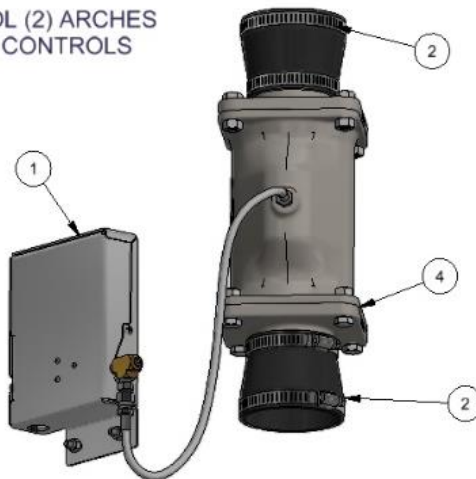
- Pre-collectors dirt bins must be emptied on a daily basis or as needed. Large particulate such as pens, coins, jewelry, bolts, etc. will be collected here.
- Gaskets on pre-collectors must be checked for wear once a week or as needed.
- Nuts and bolts on structure should be checked once a month or as needed.
- Fabric canopies should be taken down before severe weather situations.
- Powder coated parts will eventually wear over time. JE Adams offers touch up paint to keep your parts looking great.
- Stainless steel parts should be wiped/ cleaned as needed.
- Verify daily that system air pressure is not exceeding the operational maximum of 90 PSI

Operations:

- Valves in their off state have pressure on an internal bladder that keeps them from flowing vacuum pressure. When customer purchases time at a vacuum drop the solenoid allows the air pressure to bleed off the valve/s associated with that drop location thus allowing vacuum pressure at the hoses. It is best to operate valves at lowest pressure possible while still closing off majority of vacuum pressure (50 to 60 PSI) This will prolong life of valve and reduce stress on internal rubber bladder.
- ***When central vacuum system is deactivated (producer is powered down) it is vitally important that the supply pressure to valves is also disconnected at source and allowed to bleed off so valves remain in relaxed state during shut off. This will prevent bladders in valves from taking a set and not opening completely when in use.**
- System can become a free vend system again by simply removing supply air pressure at source and allow all valves to bleed off their pressure.

NOTES:

1. VALVE ASSEMBLY TO CONTROL (2) ARCHES ON ONE STANCHION (V CANOPY, CONTROLS PRE-COLLECTOR).



BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	35000-400-10A	AIR VALVE ASY, 2 VALVE, CV PAY	1
2	35000-400-31	COUPLING 3" ID X 3.5" ID	2
3	35000-400-34	HOSE ASY, CV PAY AIR, 18"	1
4	35000-400-3V	VALVE, PINCH, 3" DIA. ENDS	1

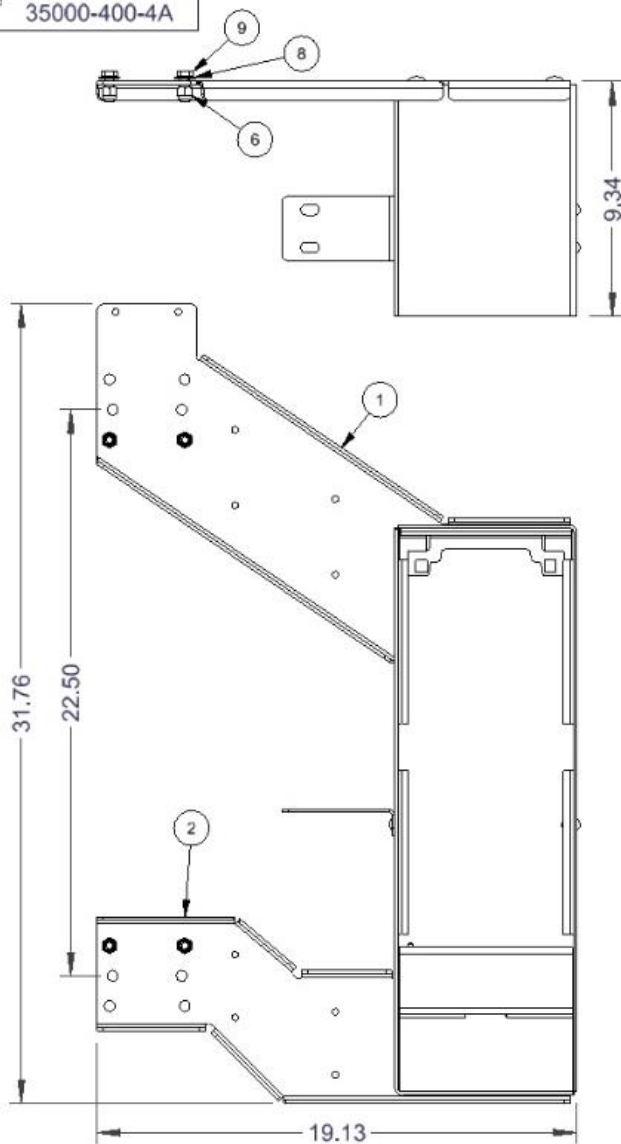
-	8566	RELEASED	4/20/20	MWS
REV	NO.	DESCRIPTION	DATE	BY

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

CV PAY, 3" VALVE ASY, V CANOPY				
UNSPECIFIED TOLERANCES	MATERIAL	DATE	SHEET	REV
1 PL ±.030	DATE	2/28/2020	1 / 1	35000-400-3VA
2 PL ±.020	SCALE	0.16 : 1		
3 PL ±.003	ANGLE ± 1°			



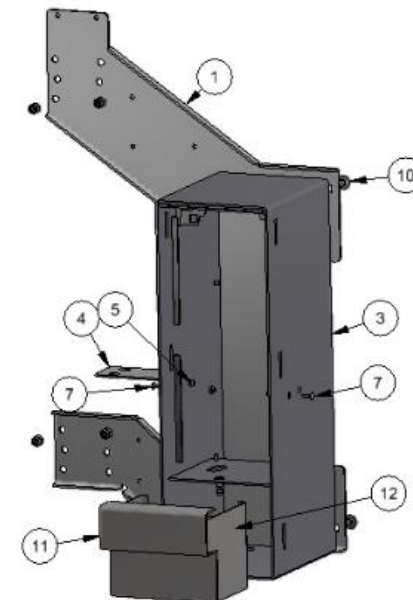
35000-400-4A



- NOTES:
 1. PACKAGE ALL HARDWARE IN BAG.
 2. UNIT WILL NORMALLY SHIP WITH FACE PLATE ASSEMBLY INSTALLED IN ITEM 3

BILL OF MATERIALS

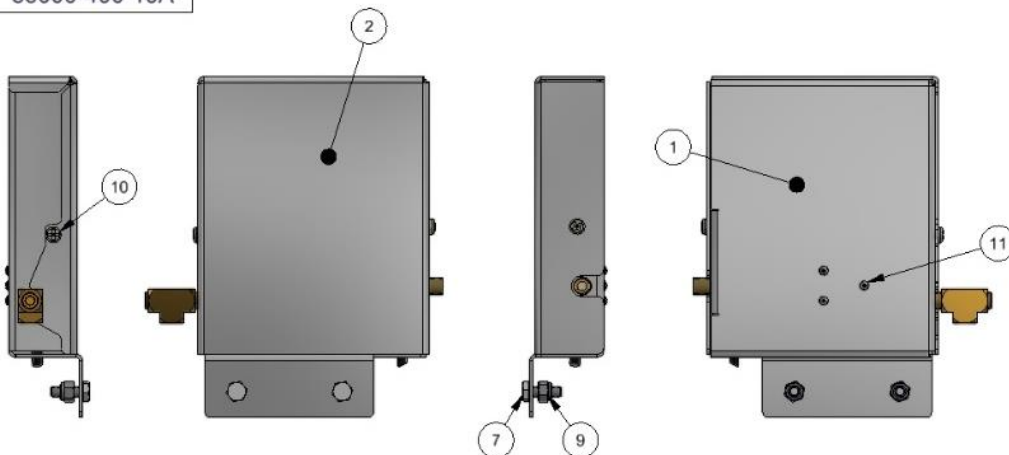
ITEM	PART NUMBER	DESCRIPTION	QTY
1	35000-400-1	BRKT, UPPER SPRT, CV PAY MNT	1
2	35000-400-2	BRKT, LOWER SPRT, CV PAY UNIT	1
3	35000-400-3W	CONTROL BOX WLDMNT, CV PAY	1
4	35000-400-5	BRKT, CV PAY BOX SUPRT	1
5	5603D1	10-24 Std NC Nylock Nut	4
6	5603D3	3/8-16 Std NC Nylock Nut	8
7	5604D1	#10-24 x 1/2 CARR BOLT	4
8	5606D31	WASHER, FLAT 3/8" SAE, SS	4
9	5622D1	3/8-16 UNC x 1 CAP SCREW	4
10	5632D9	BOLT, 3/8-16 X 1.0" CH, SS	4
11	8204RW	COIN BOX, PIN LOCK WELDMENT	1
12	8638	PIN LOCK	1



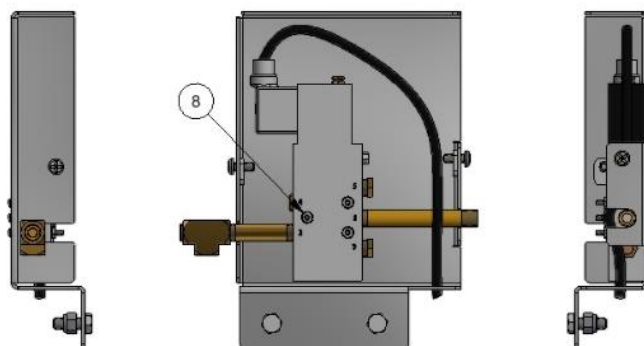
REV	8566	RELEASED	4/20/20	MWS
NO.		DESCRIPTION	DATE	BY

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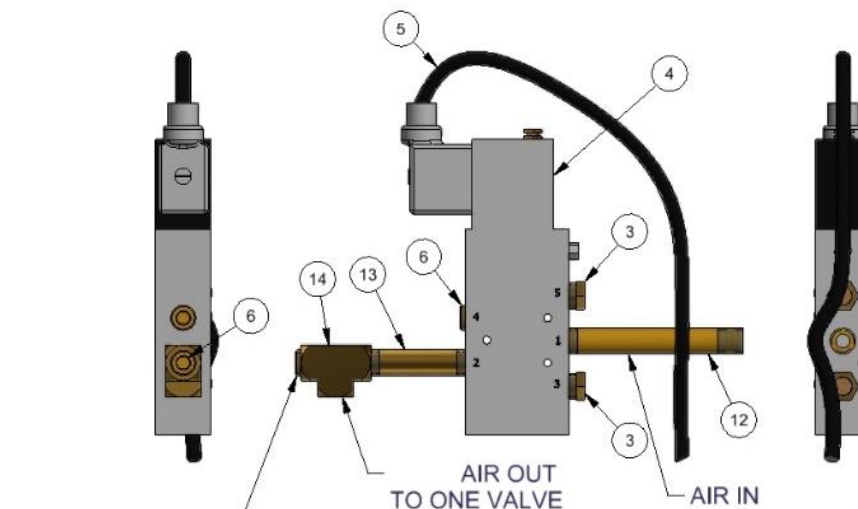
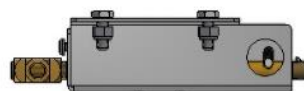
TITLE CV PAY BOX ASSEMBLY STD.			
UNSPECIFIED TOLERANCES	MATERIAL	DATE	BY
1 PL ±.030	DATE	2/28/2020	MTWS
2 PL ±.020	SCALE	1 / 1	
3 PL ±.003	ANGLE ± 1°		
J.E. ADAMS INDUSTRIES, LTD.		CEDAR RAPIDS, IOWA	
35000-400-4A		REV.	



BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	35000-400-10W	BRKT, WELD, VALVE MNT, CV PAY	1
2	35000-400-11W	COVER, WELD, VALVE, CV PAY	1
3	35000-400-33	FITTING BREATHER, 1/8 NPT BRASS	2
4	35000-400-V24	VALVE, SOLENOID, 5 PORT 24VAC	1
5	35000-400-VC	CORD, 80", NUMATICS VALVE	1
6	5043	PLUG, 1/8" NPT	2
7	5601D4	1/4-20 x 3/4 HHCS-SS	2
8	5603D15	NUT, 4-40 UNC KEPS	3
9	5603D2	1/4-20 NYLOCK NUT, SS	2
10	5636D1	SCREW, #10-24 X .50, PH, PD, SS	2
11	5666D20	SCREW, #4-40X1.25, PH, PD, SS	3
12	5809D17	1/8 NPT X 3" NIPPLE, BRASS	1
13	5809D18	NIPPLE, 1/8 NPT X 2.0", BRASS	1
14	5813D4	FITTING, TEE, 1/8 FNPT, BRASS	1



NO COVER SHOWN
SCALE .25

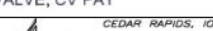


IF CONTROLLING
TWO VALVES
REMOVE PLUG AND
CONNECT 2ND VALVE

VALVE PLUMBING:
PORT 1: INCOMING PRESSURE 45-90PSI MAX
PORT 2: CONTROLLED AIR OUT TO VALVES
PORT 3: NOT USED (BREATHER)
PORT 4: MUST BE PLUGGED
PORT 5: NOT USED (BREATHER)

-	8566	RELEASED	4/20/20	MWS
REV	NO.	DESCRIPTION	DATE	BY

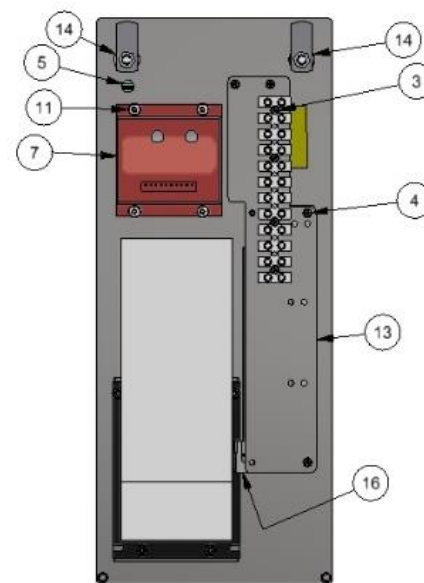
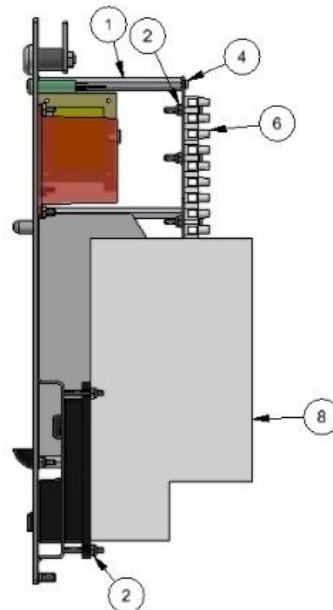
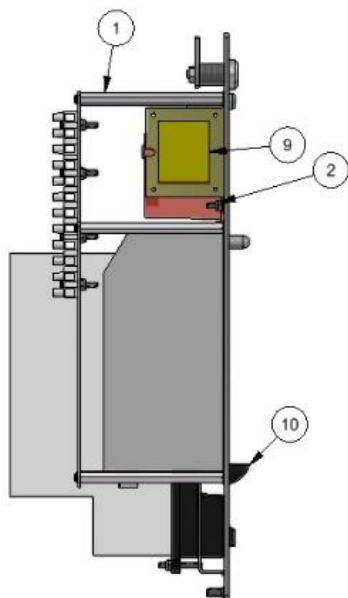
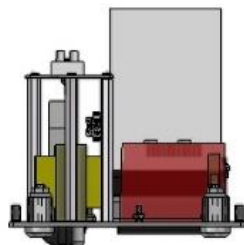
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TITLE		AIR VALVE ASY, 2 VALVE, CV PAY	
UNSPECIFIED TOLERANCES	DATE	3/9/2020	 CEDAR RAPIDS, IOWA
	DRAWING BY	MWS	
	SCALE	1 / 1	
	PART NO	35000-400-10A	
	REV.		
1 PL ±.030			
2 PL ±.020			
3 PL ±.003			
ANGLE ± 1°			



NOTES:

1. SEE S35000-400-20A SCHEMATIC FOR WIRING DIRECTION.



BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	5000D5	STAND-OFF, 6-32	4
2	5603D10	NUT NYLOCK, #6-32, SS	11
3	5627D1	6-32 x 1.0 PHIL. PAN -MACHINE SCREW	4
4	5662D2	6-32 x 1/2 PHIL. PAN -MACHINE SCREW	4
5	5913D8	LAMP, PANEL MT-3/8, 12V,LED, GRN	1
6	5944D001	TERMINAL STRIP, 12 POLES, 8AWG MAX	1
7	8000-10	DIXMOR DSPY TIMER, LED7 SINGLE FUNCTION	1
8	8130-6	MEI MARS, 110V BILL VALIDATOR	1
9	8131-2	TRANSFORMER, 110/220-24 1.66A	1
10	8149	IMONEX COIN ACCEPTOR	1
11	8157	NUT, #6-32 KEPP NUT STAINLESS	4
12	8900-7VW	FACEPLATE WELDMENT, W/VALI	1
13	8900-82	TERMINAL BRACKET, VAC-SCENT	1
14	8953	MEDECO CAM LOCK W/2 KEYS	2
15	9200-1D-1-10	DECAL, FACEPLATE	1
16	9500-56	CABLE ASY, BILL ACCEPTOR, 30" EXT.	1

-	8566	RELEASED	4/20/20	MWS
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

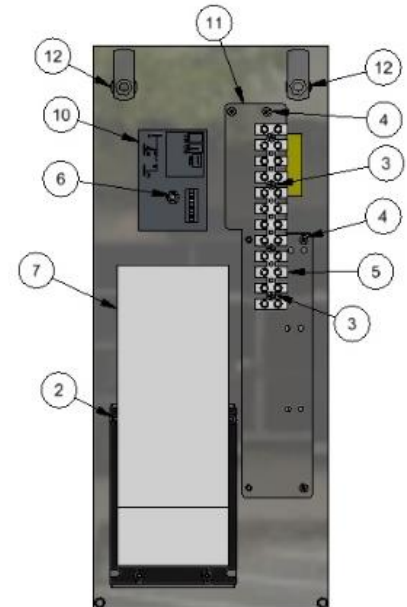
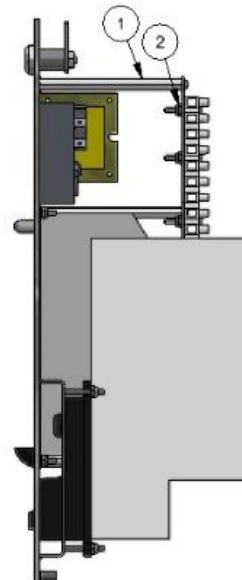
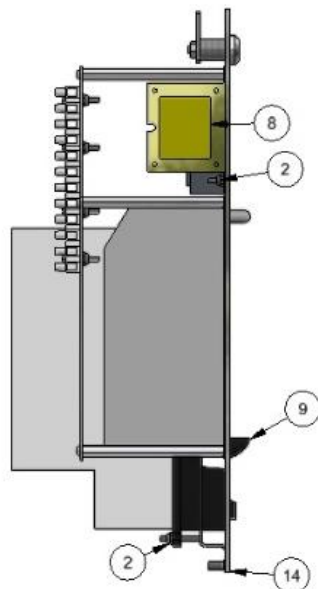
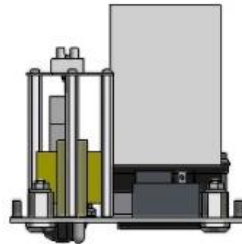
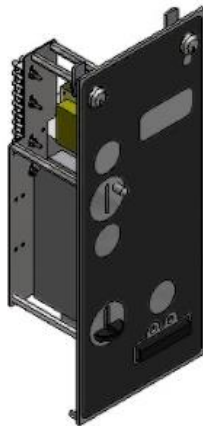
TITLE			
FACEPLATE ASY, CV PAY, CM, V, LED7			
UNSPECIFIED TOLERANCES	MATERIAL	CEDAR RAPIDS, IOWA	
1 PL ± .030	DRAWN BY	MIKE S	
2 PL ± .020	DATE	11/18/2019	
3 PL ± .003	SCALE	SHEET	PART NO.
ANGLE ± 1°	.2	1 / 1	35000-400-20A



35000-400-21A

NOTES:

1. SEE SCHEMATIC S35000-400-21A FOR WIRING DETAILS.



BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	5000D5	STAND-OFF, 6-32	4
2	5603D10	NUT NYLOCK, #6-32, SS	11
3	5627D1	6-32 x 1.0 PHIL. PAN -MACHINE SCREW	4
4	5662D2	6-32 x 1/2 PHIL. PAN -MACHINE SCREW	4
5	5944D001	TERMINAL STRIP, 12 POLES, BAWG MAX	1
6	8045	8-32 NYLOCK NUT	1
7	8130-6	MEI MARS, 110V BILL VALIDATOR	1
8	8131-2	TRANSFORMER, 110/220-24 1.66A	1
9	8149	IMONEX COIN ACCEPTOR	1
10	8712SS4	SSAC TIMER, 24-240VAC, ACCUMULATING	1
11	8900-82	TERMINAL BRACKET, VAC-SCENT	1
12	8953	MEDECO CAM LOCK W/2 KEYS	2
13	9200-1D-1-10	DECAL, FACEPLATE	1
14	9209-2W	FACEPLATE WELDMENT, SHAMPOO	1

-	8566	RELEASED	4/20/20	MWS
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		FACEPLT ASY,CV,SSAC,V	
UNSPECIFIED TOLERANCES	EXTENSION	BY	DATE
1 PL ±.030	ITWS	1/24/2020	
2 PL ±.020			
3 PL ±.003			
ANGLE ±1°	SCALE	SHEET	PART NO.
	.2	1 / 1	35000-400-21A
			REV.
			-

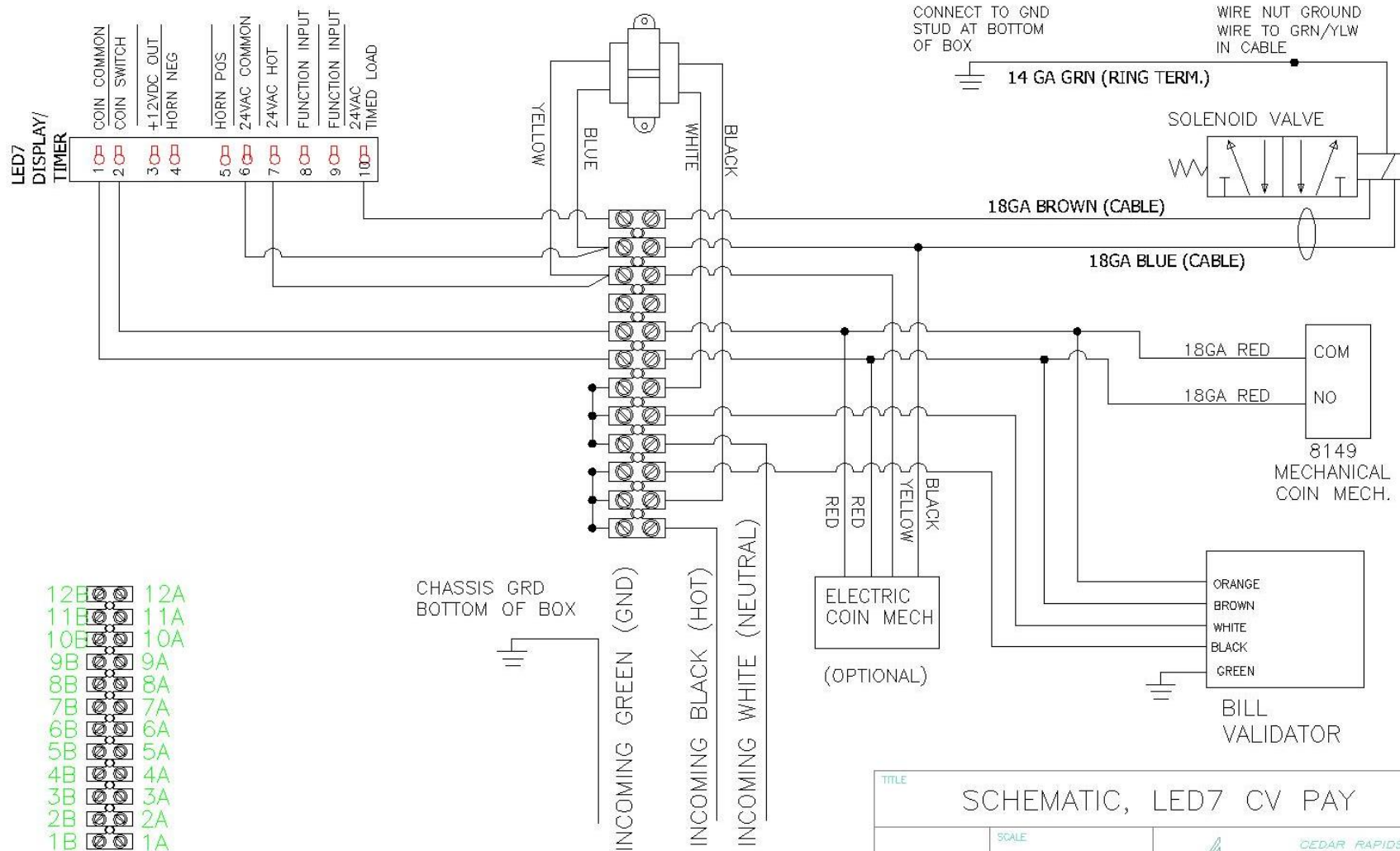


PART
S35000-400-20ATHIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE
USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES

BILL OF MATERIAL

ITEM NO.	PART NO.	DESCRIPTION	QTY.
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NOTE: FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES.

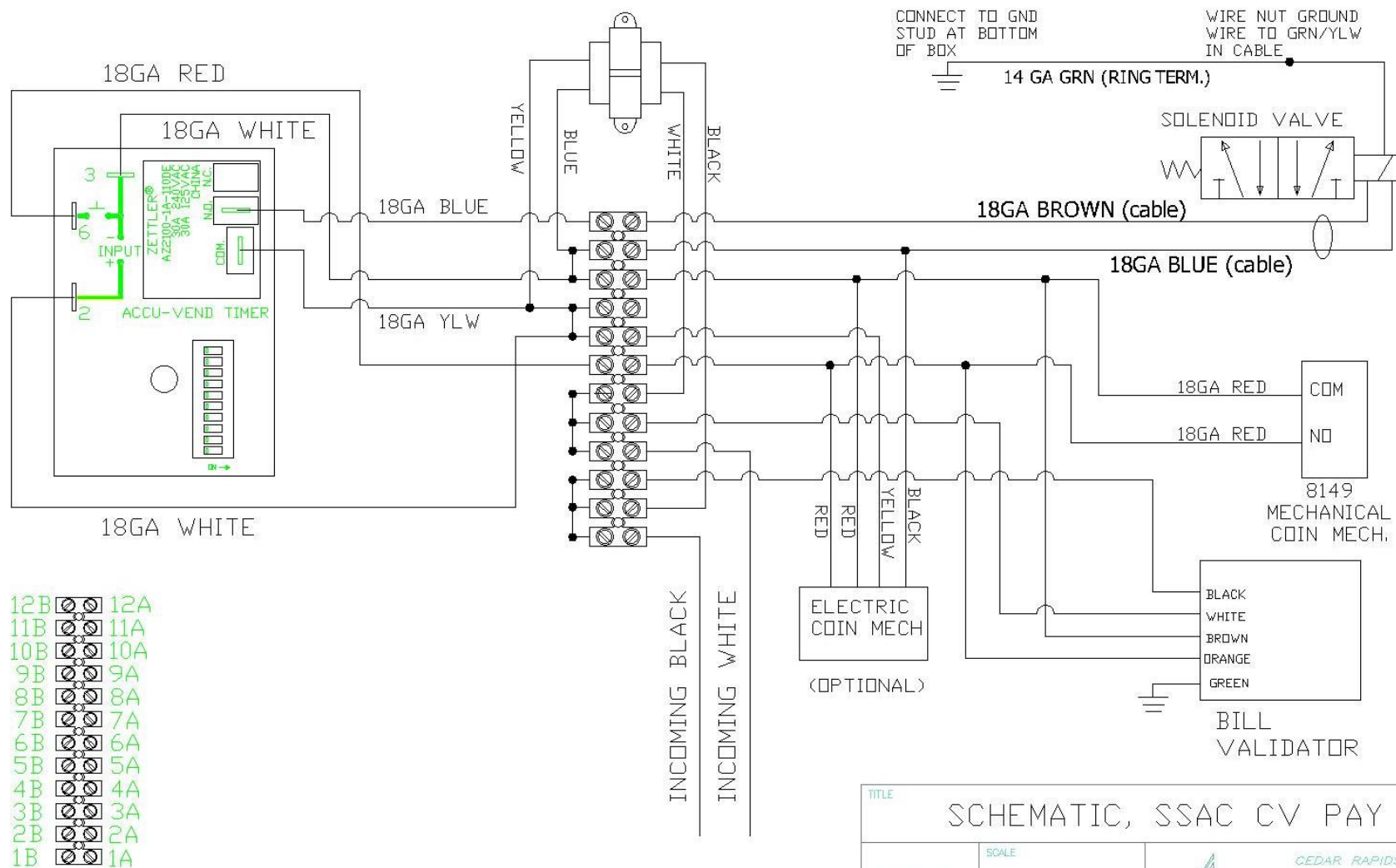


TITLE			
SCHEMATIC, LED7 CV PAY			
UNSPECIFIED TOLERANCES FRACT. $\pm 1/32$ 2 PL ± 0.020 3 PL ± 0.010 ANGLE $\pm 1.0^\circ$	SCALE	 CEDAR RAPIDS, IOWA	
	DRAWN BY		
	DATE		
	REL. FOR PROD.		
MWS		1/20	
PART NO.		REV.	
S35000-400-20A		REV 4-7-2020	

-	8566	RELEASED	4/20/20MWS
REV	NO.	DESCRIPTION	DATE BY

ITEM NO.	PART NO.	DESCRIPTION	QTY.
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NOTE: FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES.



TITLE				
SCHEMATIC, SSAC CV PAY				
UNSPECIFIED TOLERANCES FRACT. $\pm 1/32$ 2 PL $\pm .020$ 3 PL $\pm .010$ ANGLE $\pm 1.0^\circ$	SCALE			
	DRAWN BY			MWS
	DATE			1/20
	REL. FOR PROD.	PART NO.	REV.	
		S35000-400-21A		-



PART NO.	REV.
S35000-400-21A	-