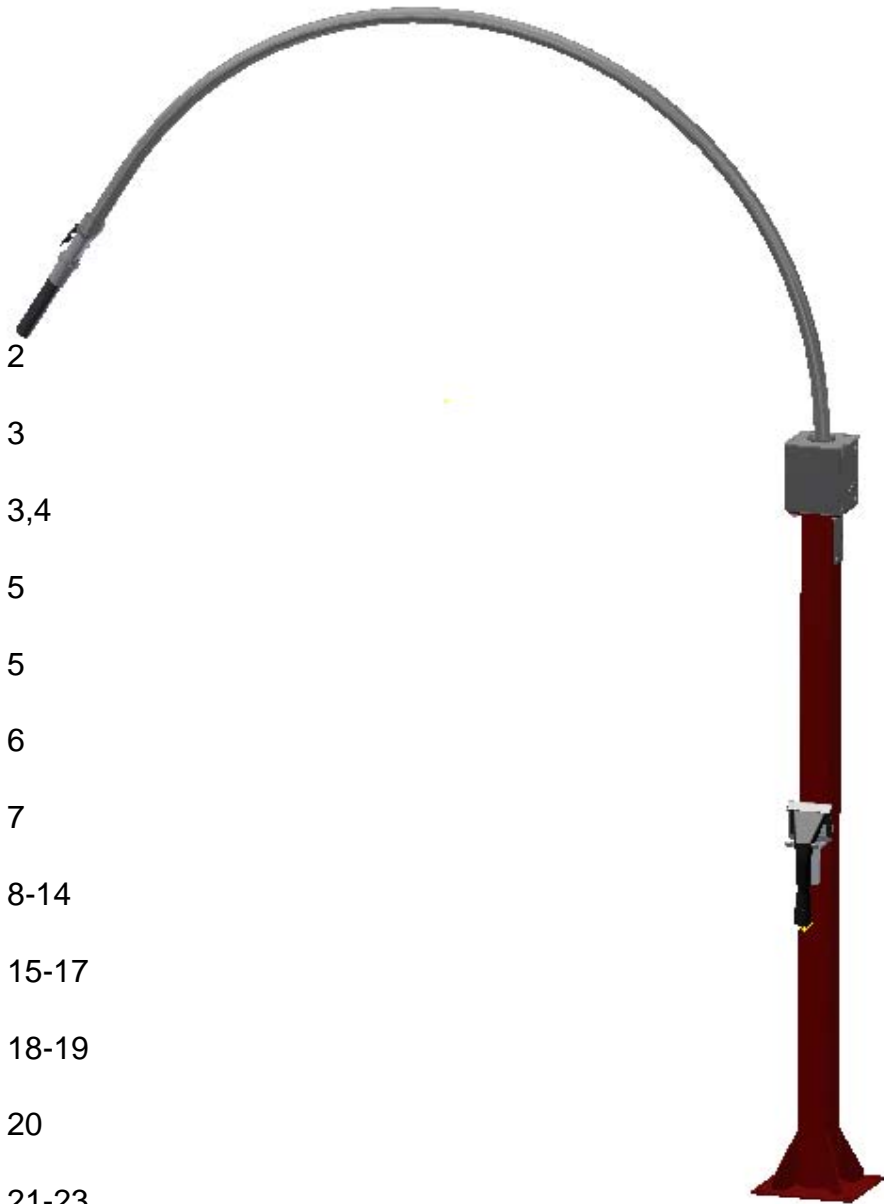




Models – 75000-SWL-R, 75000-SWL-B,
75000-SWL-Y and 75000-SWL-G

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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**

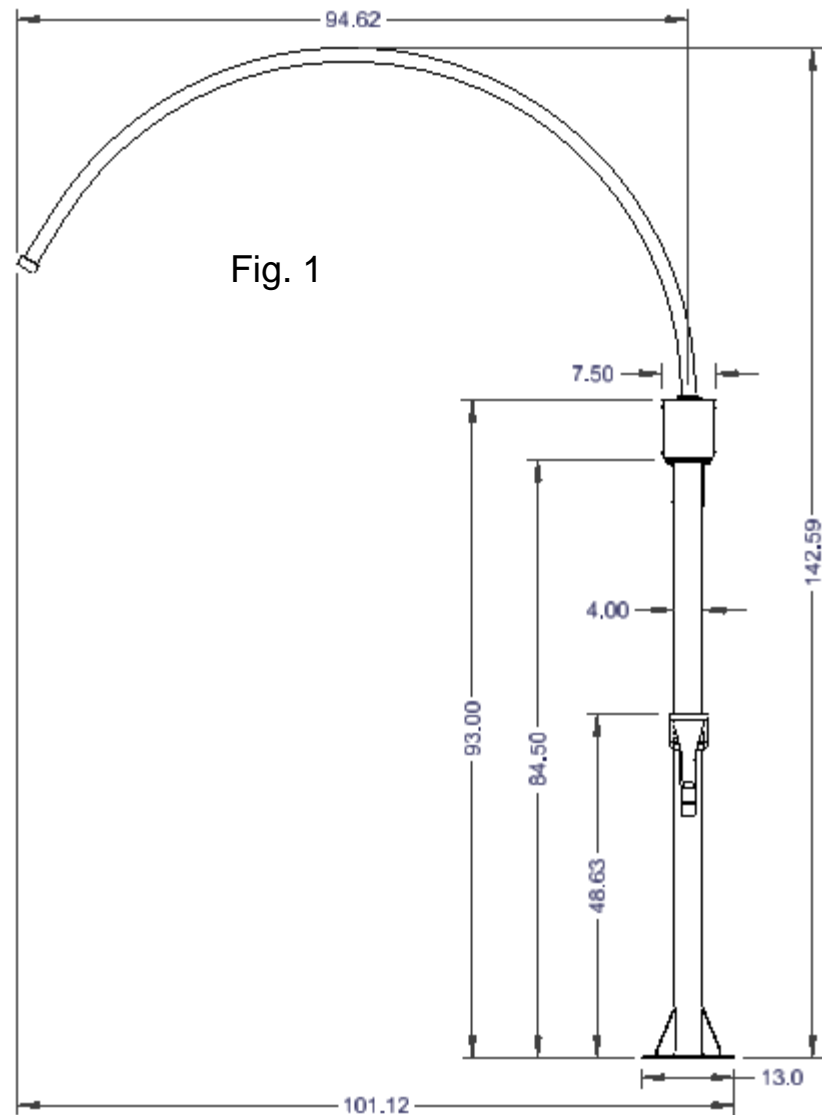
Specifications:

Weight: 150 lbs

Dimensions: See Fig. 1

Important Safety Information:

- Must use $\frac{3}{4}$ " mount anchors for base.
- Do not operate with guards/covers removed.
- Keep debris and objects away from boom to allow for smooth operation.
- Follow instructions recommendations on tools and number of persons to aid in assembly.
- Use extreme caution when installing optional devices under spring tension. All body parts should be kept away from spring path at all times.



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 dust, lint, hair and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dust bag and/or filters in place.



SAVE THESE INSTRUCTIONS

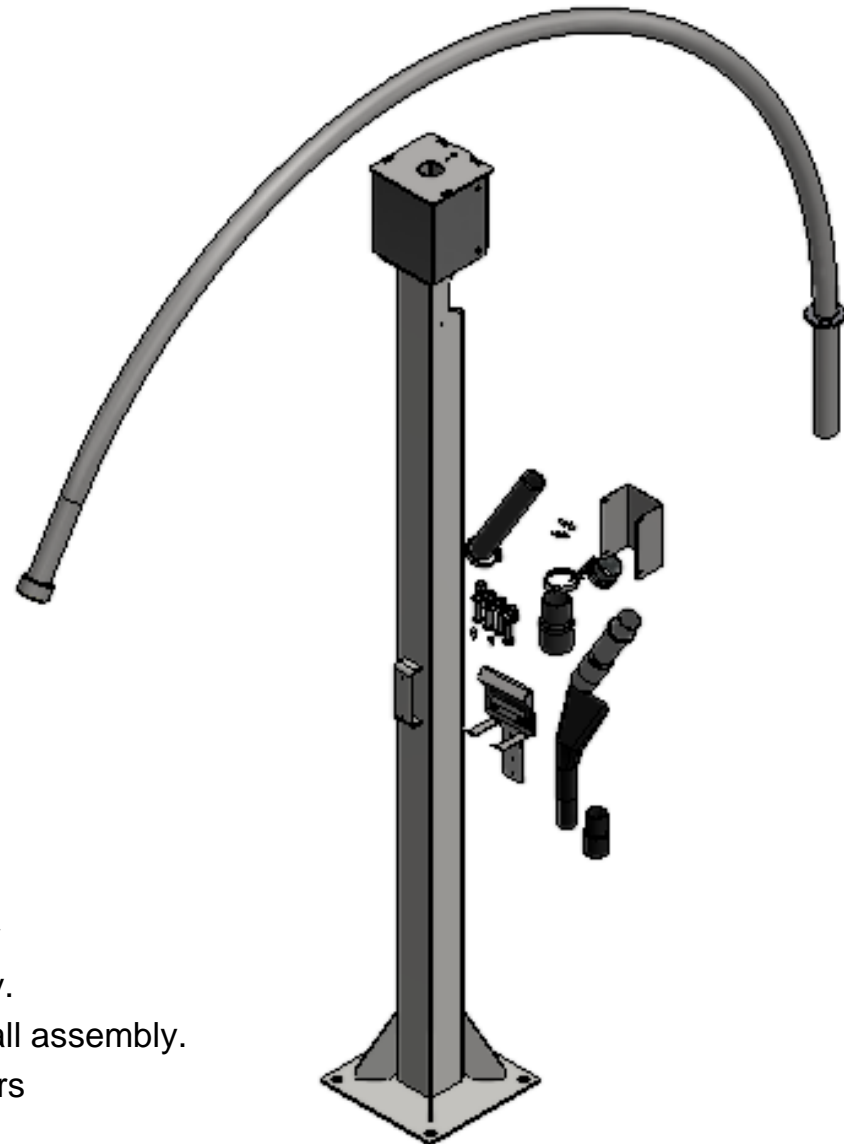
- **Installation Instructions:**
- Determine location to mount unit (“**DANGER**” “**THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 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 service to the 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.
- All local and national electric codes must be followed for installation and use.
- Licensed electricians are recommended for installation.

Getting Started: **“READ ALL INSTRUCTIONS BEFORE ASSEMBLING THIS PRODUCT”**

- Remove all components from packaging.
- Lay them all out so that parts are visible.
- The parts kit received should look something like this. (Note: vacuum hose's are not shown to scale)

Tools and other items recommended:

- 1/2" drive ratchet
- 3/8" drive ratchet
- 3/4" socket-1/2" drive- deep well preferred
- 7/16" deep well socket- 3/8" drive
- 5/16" socket- 3/8" drive
- 3/4" wrench
- 7/16" wrench
- Hammer drill and bit for drilling into concrete.
- Hammer
- Sharp knife
- Torque wrench in Ft./lbs
- A couple of tall ladders, bucket truck or any other preferred method of installing overhead assembly.
- At least two people will be required to safely install assembly.
- Additional socket size may be required for anchors

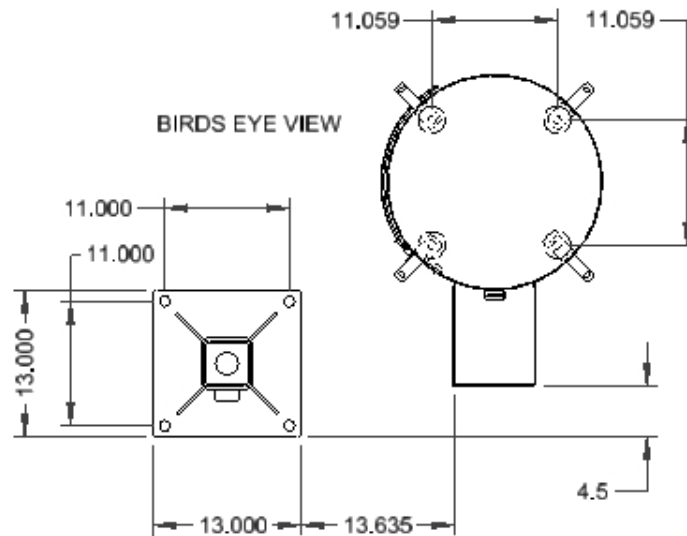


Location and Preparation:

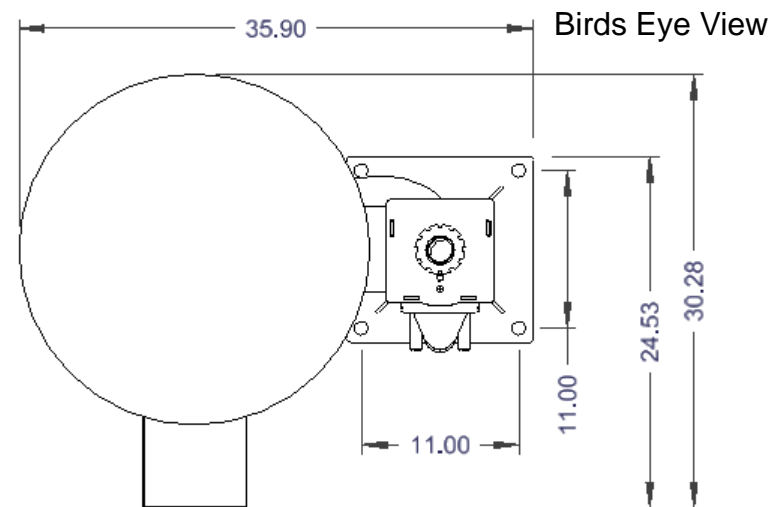
- Choose a location that is level for the pedestal to be installed.
- Make sure the location chosen will not have any aerial disruption of boom or interfere with any overhead power lines and ETC.
- The area should have enough room for the vacuum to be mounted next to boom and be sure there is enough clearance for doors to open.
- For pole mounted vacuum make sure clearance is adequate for doors to open and there is no interference with operation of unit.
- Below is an example of two possible layouts for the boom and vacuum. Keep in mind that this will be dependent on location and personal preference.

****Consult with your local contractor and local building codes for foundation.**

An example would be, for normal soil conditions a simple foundation would be a 22-inch diameter footing, 4'-0" deep (in the ground), reinforced with (7) #5 (grade 60) vertical rebar equally spaced around the perimeter. Three inches of clear distance between rebar and bottom/side edges of the foundation, 2-inches at top. Concrete minimum 28-day compressive strength is 4,000 psi. Pole connecting anchor rods should have minimum 12-inches of embedment.

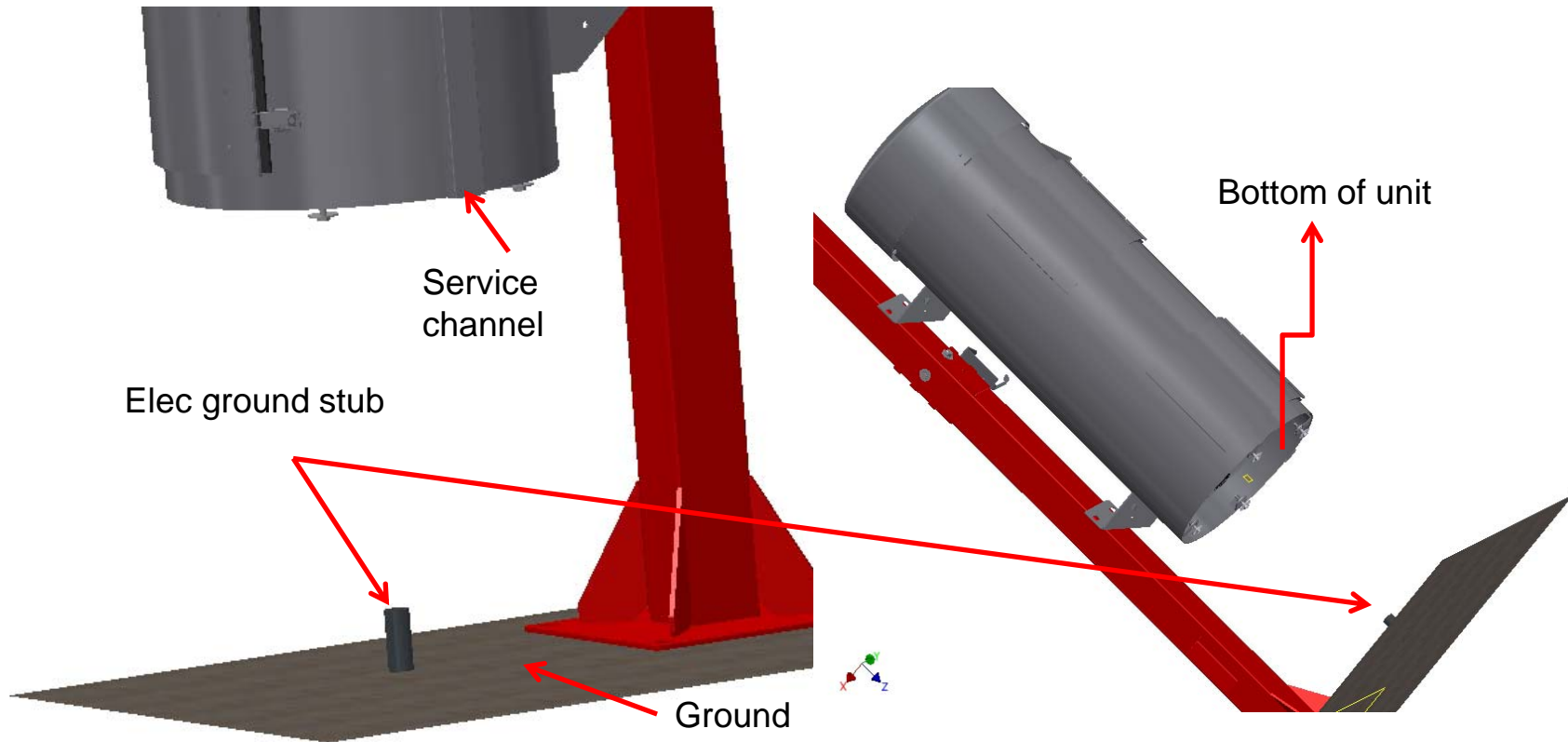


Vacuum ground mount install



Footprint of vacuum pole mounted
(shown on left side, standard)

Pole Mount Electrical Connections: (Ground Mount vacuums refer to owners manual)



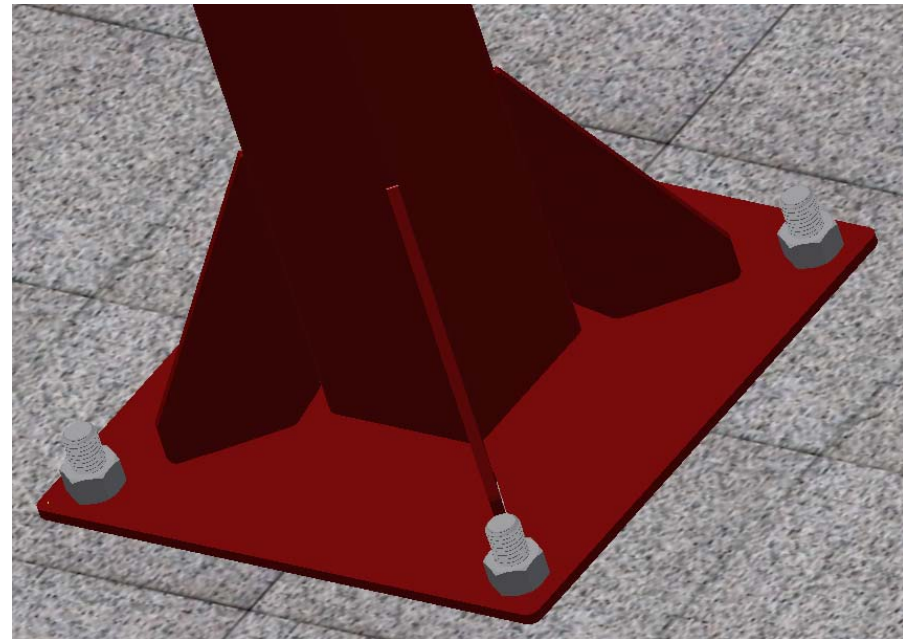
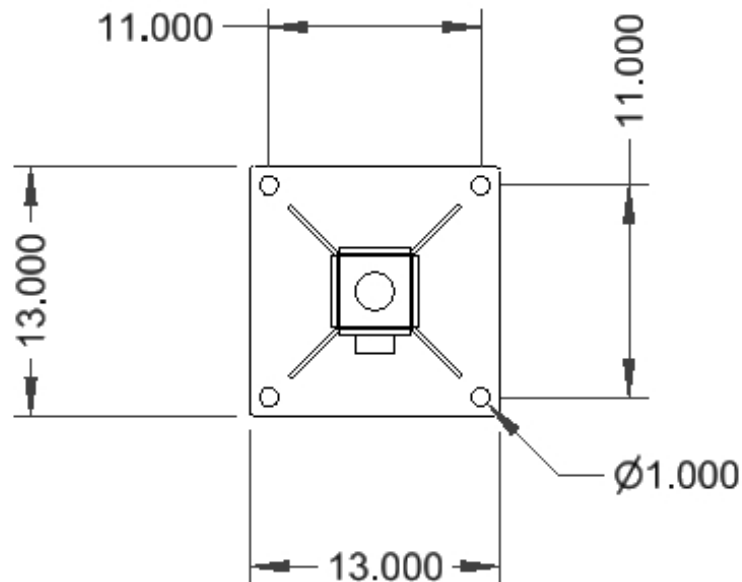
Electrical coming up from ground can be placed anywhere close to unit. From the stub, wire can be ran in many different ways. A box could be placed under the unit and wire ran from it thru the channel located in front of unit underneath can. A box could also be placed on the pole and then conduit ran to bottom of unit and thru service channel front of unit. Refer to owners manual for technical spec's for unit and proper termination of wire. **All of this is personal preference and is all subject to state and local electrical codes. Always use a licensed electrician when installing equipment to ensure proper service is provided.**

INSTALLATION:

NOTE: For vacuum that is ground mounted but has not been previously installed, install vacuum and adhere to all mounting and electrical instructions called out for that unit.

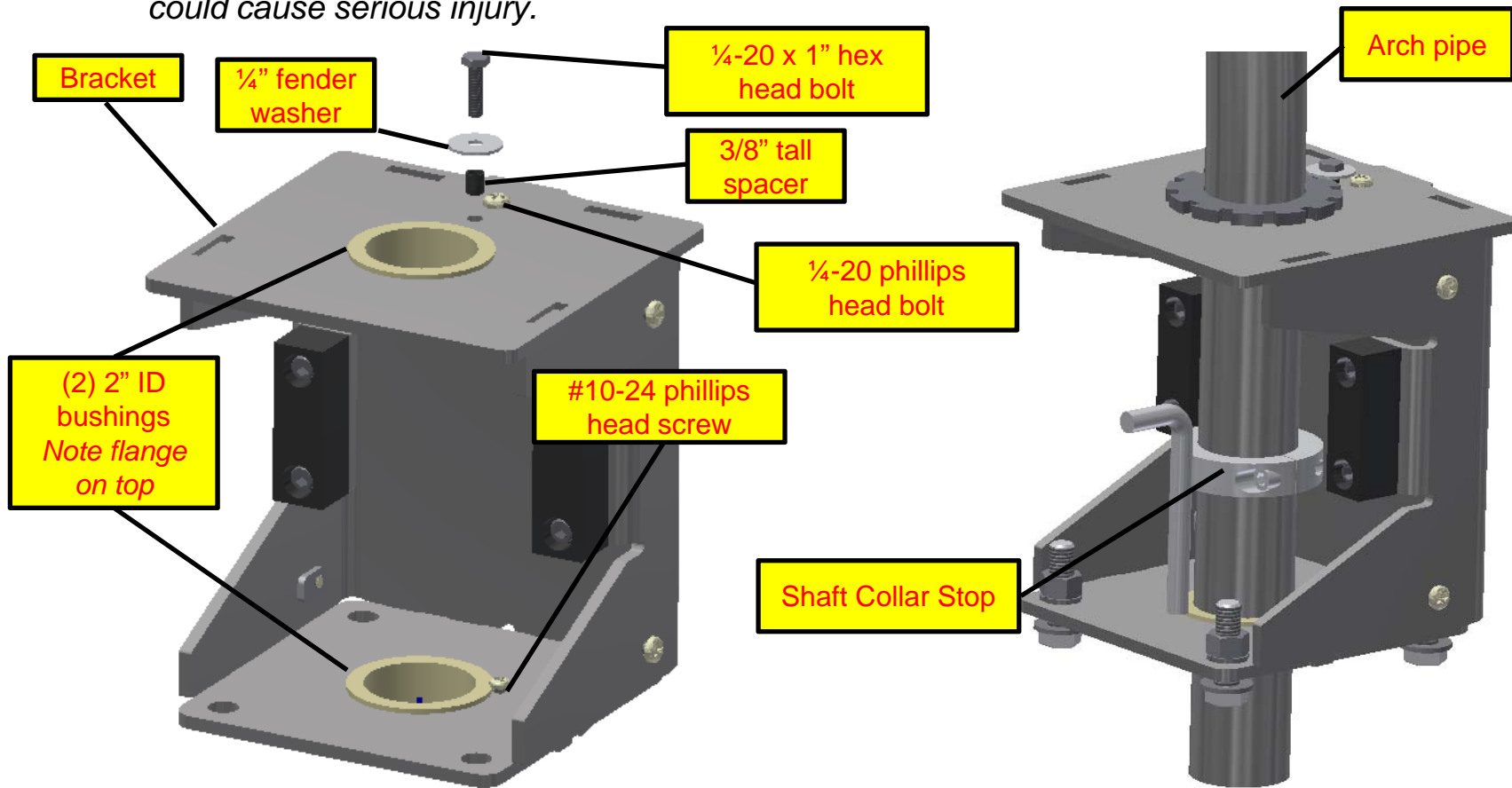
For vacuum that is pole mounted, see further down in instructions for mounting and adhere to all electrical instructions called out.

- Step 1
 - Mark the location for the pedestal. Drill holes in the surface using a hammer drill. It is recommended to use a 3/4" anchor. Place anchor's into holes and pound into place with hammer. When finished a minimum of 1" of the anchor should still be visible.



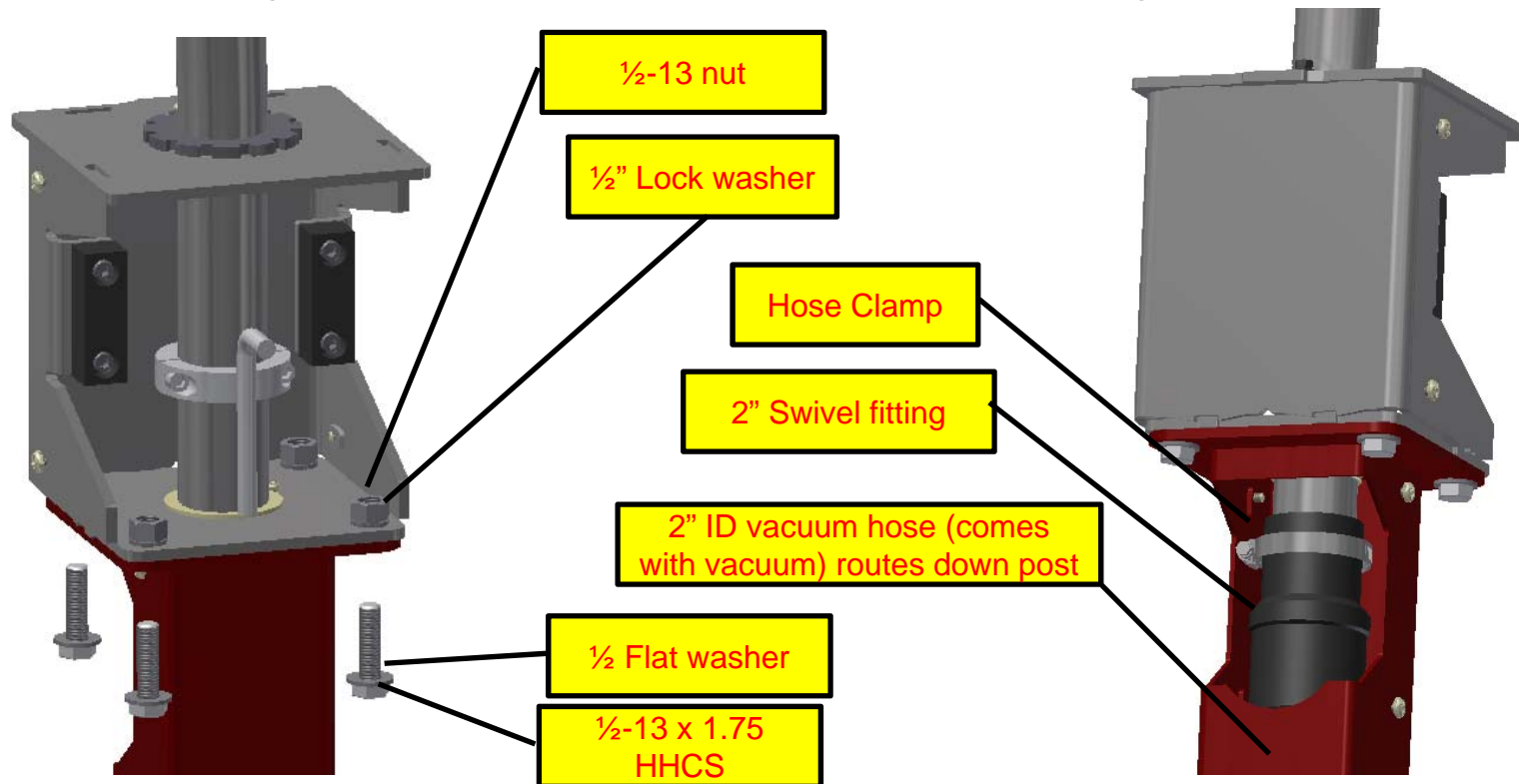
INSTALLATION:

- Step 2
 - Assemble bracket with (2) 2" bushings, install lower #10-24 phillips head screw to hold lower bushing in place.
 - Install arch pipe into bracket, ***Extremely important safety issue*** install 3/8" tall spacer, 1/4" fender washer and 1/4-20 x 1" hex head bolt over flange of arch. Install Shaft Collar Stop over arch, adjustment to be done after completely installed. *Failure to install these components could cause serious injury.*



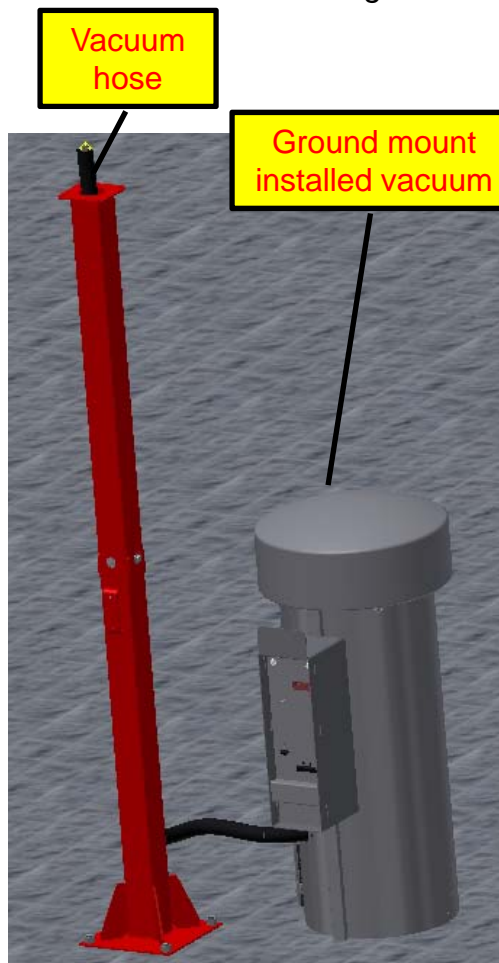
INSTALLATION:

- Step 3
 - Using (4) ½-13 x 1.75" Hex bolts with flat washer bolt up through upper post section into bottom of pivot bracket. Install (4) ½" lock washers and nuts. Torque to 30 ft*lbs. Orientation of bracket not critical, orientation of arch should be away from opening on post.
Two person task, one to hold arch assembly, other to bolt bracket in place.
 - Thread 2" ID hose (comes with vacuum) into threaded end of rubber swivel fitting. Route hose down 4x4 post and exit hose at oval opening towards bottom of post. Install end of swivel fitting over end of arch pipe. Install hose clamp over fitting/pipe interface.

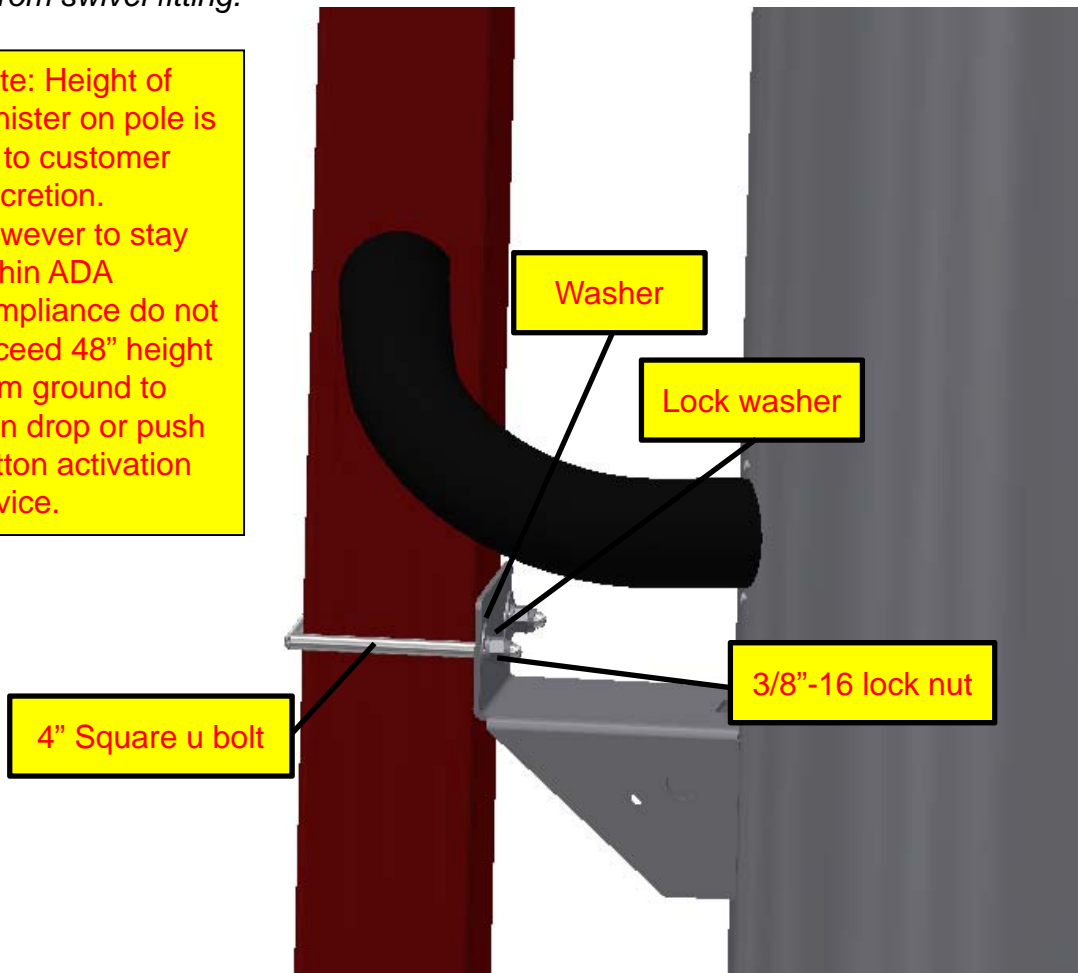


INSTALLATION:

- Step 4
 - Route 2" hose to vacuum inlet threading into inlet counter clockwise. If unit is a ground mounted screw hose into vacuum inlet. If unit is pole mounted, mount unit to pole using hardware listed below and attach hose as listed above. *Note, make sure when attaching hose the swivel at arch connection is turning and not unscrewing vacuum hose from swivel fitting.*

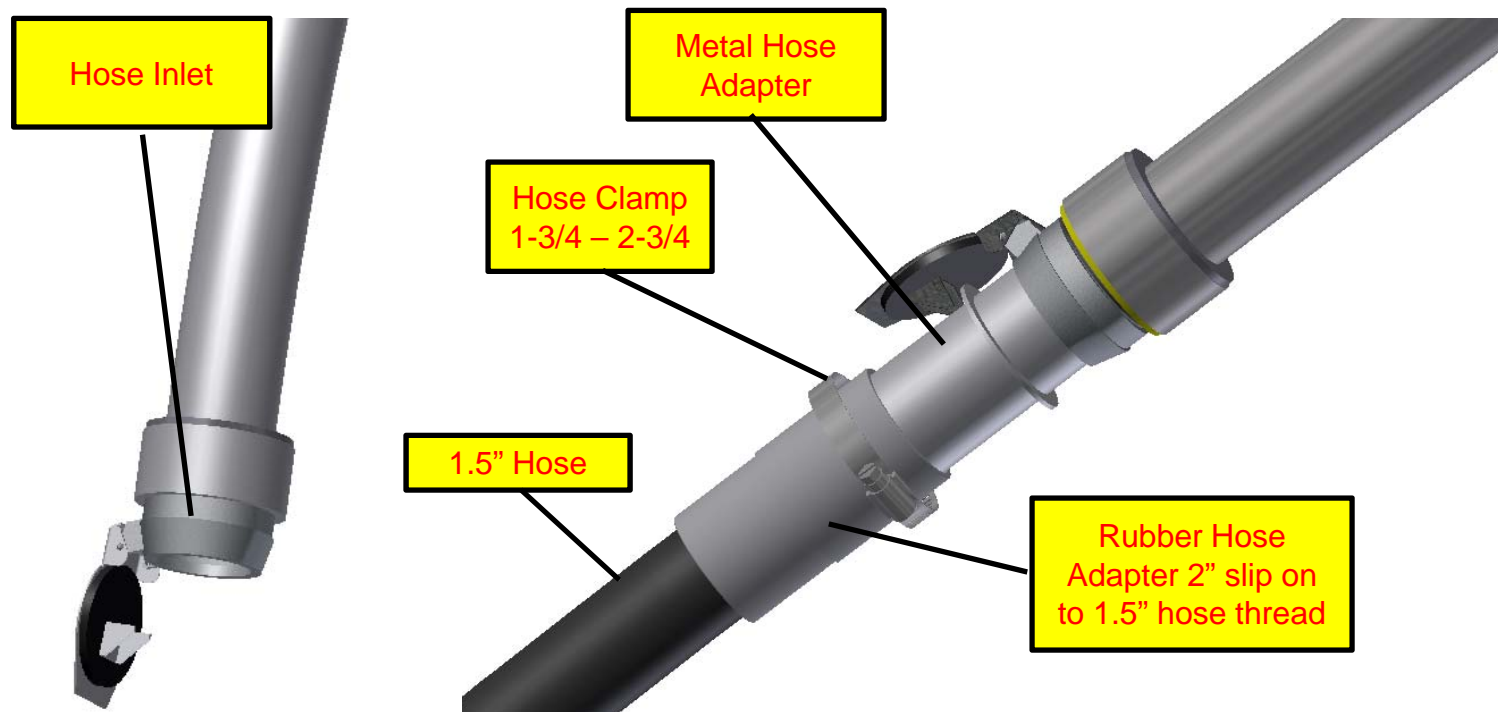


Note: Height of canister on pole is up to customer discretion. However to stay within ADA compliance do not exceed 48" height from ground to coin drop or push button activation device.



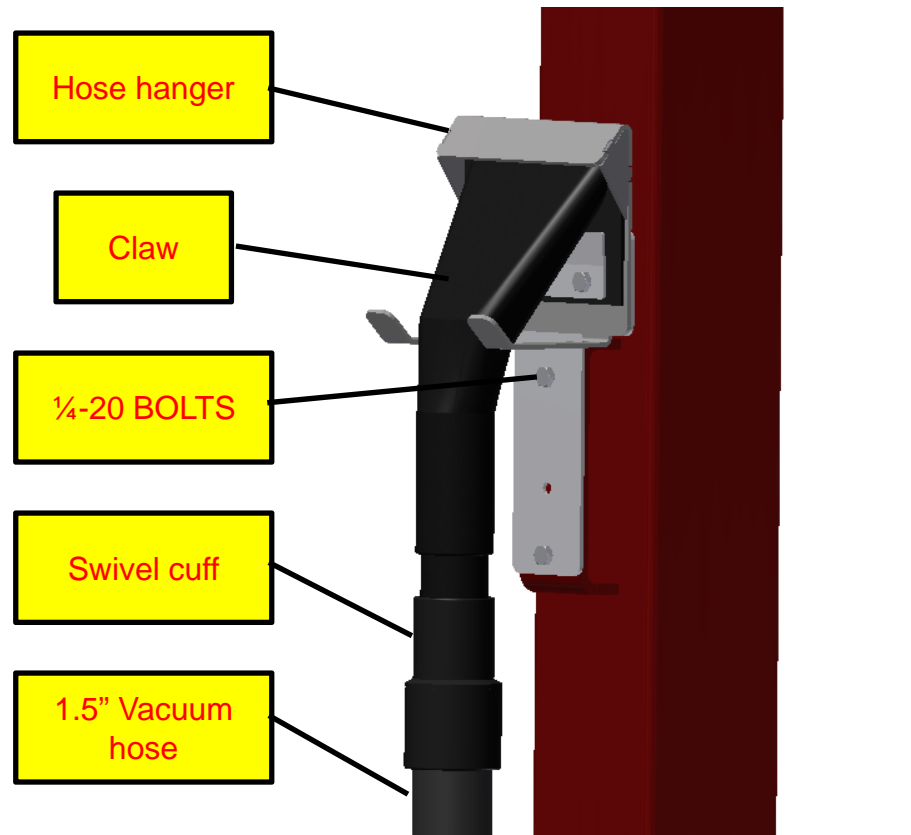
INSTALLATION:

- Step 5
 - Using a rag or a good pair of gloves screw hose inlet hand tight into end of boom arm. No sealant is required. Slide rubber 2" x 1.5" hose adapter over barbed end of metal hose adapter. Leave at least 3/4" gap from end of rubber hose adapter to flange on metal hose adapter. Tighten hose clamp over rubber adapter to metal adapter interface. Thread 1 1/2" x 25' hose into rubber hose adapter. Insert metal adapter into hose inlet, the adapter will be held into place by the prongs on the spring lid of inlet. Next determine the length of the hose required for your application and cut off excess that may not be needed.



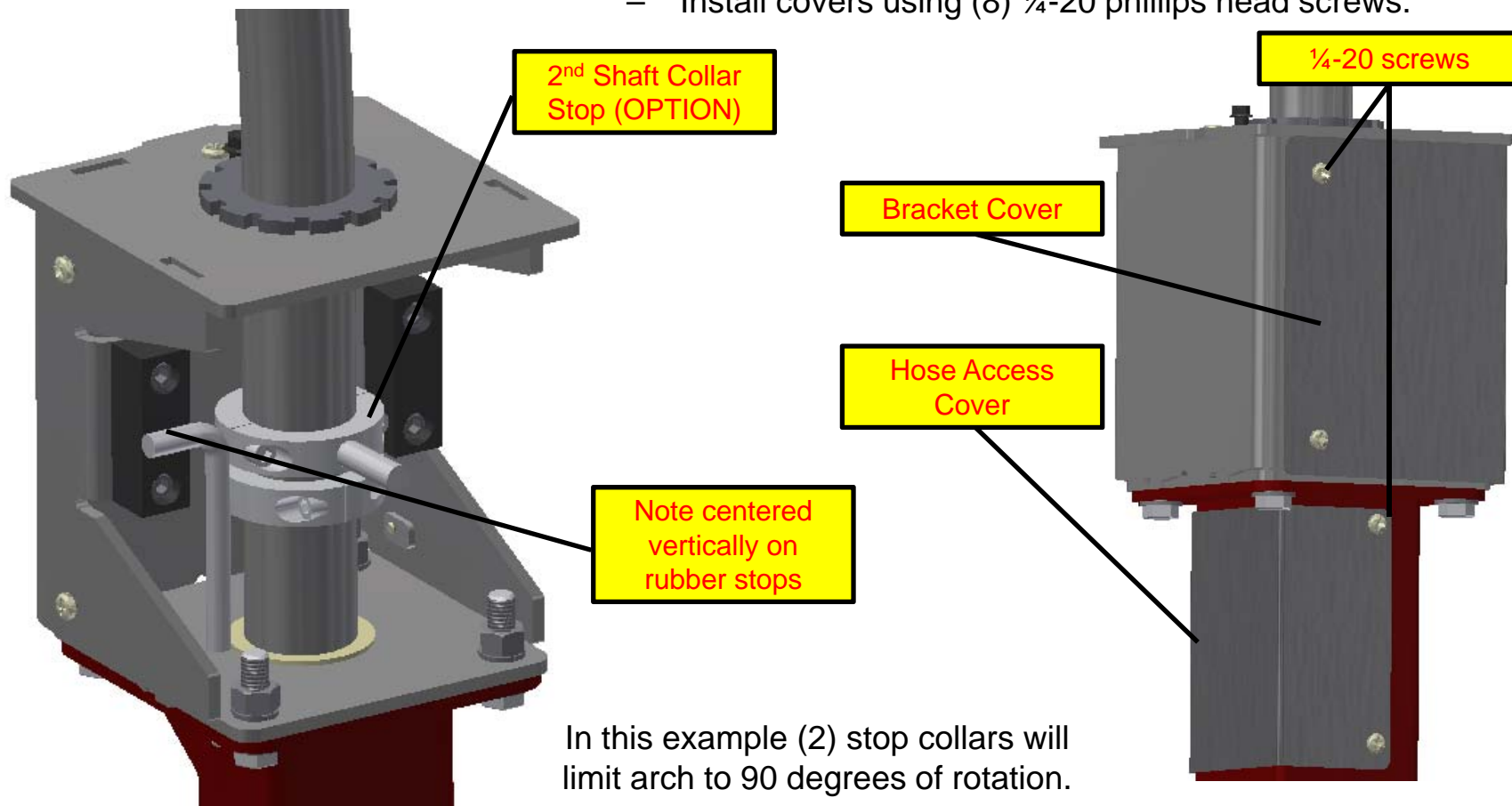
INSTALLATION:

- Step 6
 - Attach hose hanger bracket to front of pedestal assembly using the (2) ¼-20 bolts provided. Attach claw to swivel cuff and then to end of hose that has been cut to desired length.



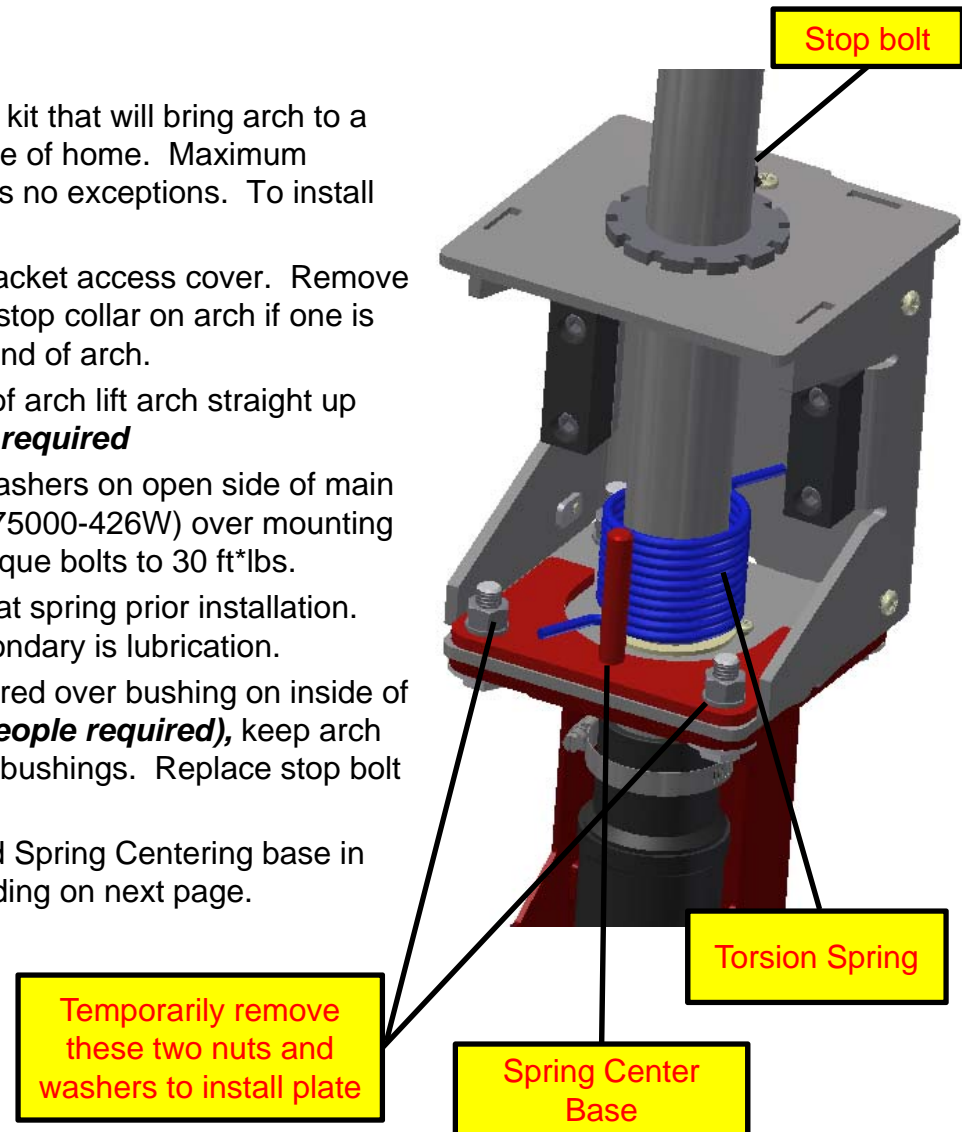
INSTALLATION:

- Step 7
 - Rotate arch to maximum swing position, loosen Shaft Collar Stop and rotate to contact center of rubber bumper to same side as arch. With one stop clamp, arch will be limited to 180 degrees of swing. By adding 2nd Shaft Collar Stop (75000-655W) rotation can be limited from 180 to 0 degrees. Important to keep shaft collars centered vertically on rubber stops.
 - Install covers using (8) ¼-20 phillips head screws.



OPTION:

- Arch Centering Option
 - Arch Centering Option (75000-220) is a kit that will bring arch to a home position when swung to either side of home. Maximum articulation for this option is 180 degrees no exceptions. To install requires removal of arch.
 - First remove pole access cover and bracket access cover. Remove swivel fitting from end of arch pipe and stop collar on arch if one is installed. Remove suction hose from end of arch.
 - Using tall step ladder placed at middle of arch lift arch straight up and remove from bracket. **Two people required**
 - Remove two bracket mount nuts and washers on open side of main bracket, place Spring Centering Base (75000-426W) over mounting bolts and replace washers and nuts, torque bolts to 30 ft*lbs.
 - Using WD-40 or similar rust inhibitor coat spring prior installation. Primary purpose is to prevent rust, secondary is lubrication.
 - Place torsion spring (75000-427) centered over bushing on inside of bracket. Replace arch carefully (**two people required**), keep arch relatively straight to prevent damage to bushings. Replace stop bolt on top of bracket.
 - With spring now captured over arch and Spring Centering base in place you can proceed to spring preloading on next page.



OPTION Cont.:

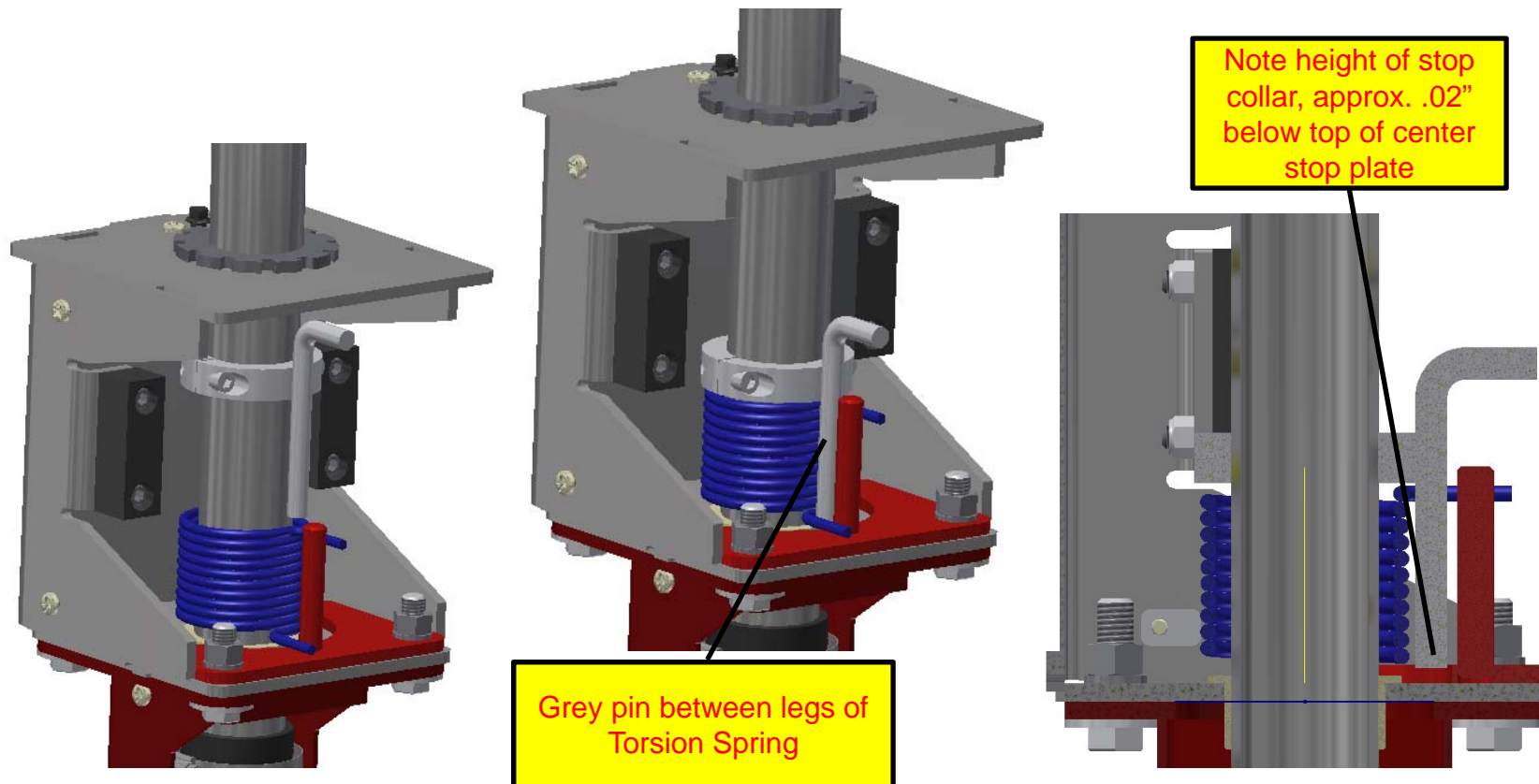
- Arch Centering Option Continued

- **Caution....** Next step requires preloading the torsion spring. Keep all body parts away from spring and it's path if released. Wear eye protection while working with spring. Bottom spring leg should be positioned against base of pin on Spring Center bracket (see picture #2). Note preloading is done by turning spring clockwise.
- Using $\frac{3}{4}$ " box end wrench hook end of spring that's to the rear of bracket with box end of wrench, pry spring approximately 90 degrees. Then using $\frac{3}{8}$ " drive $\frac{7}{16}$ " deep well socket with extension place socket over end of spring. Make sure to engage spring leg it's entire length before removing $\frac{3}{4}$ " box end wrench.
- With deep well socket fully engaged with spring leg the $\frac{3}{4}$ " box end wrench can be slid over socket and removed. Continue rotating spring towards the front of the bracket using deep well socket and extension as leverage. Careful to keep full engagement of spring leg with socket while rotating leg to the front.
- Once to Center pin lift spring leg up and over center pin. Pull down on leg and use a tool to push spring coils down on all sides around arch if needed. Important spring be resting against Spring Center bracket.
- Remove socket by pulling off leg. Spring should be captured by pin on Spring Center bracket and is now preloaded.



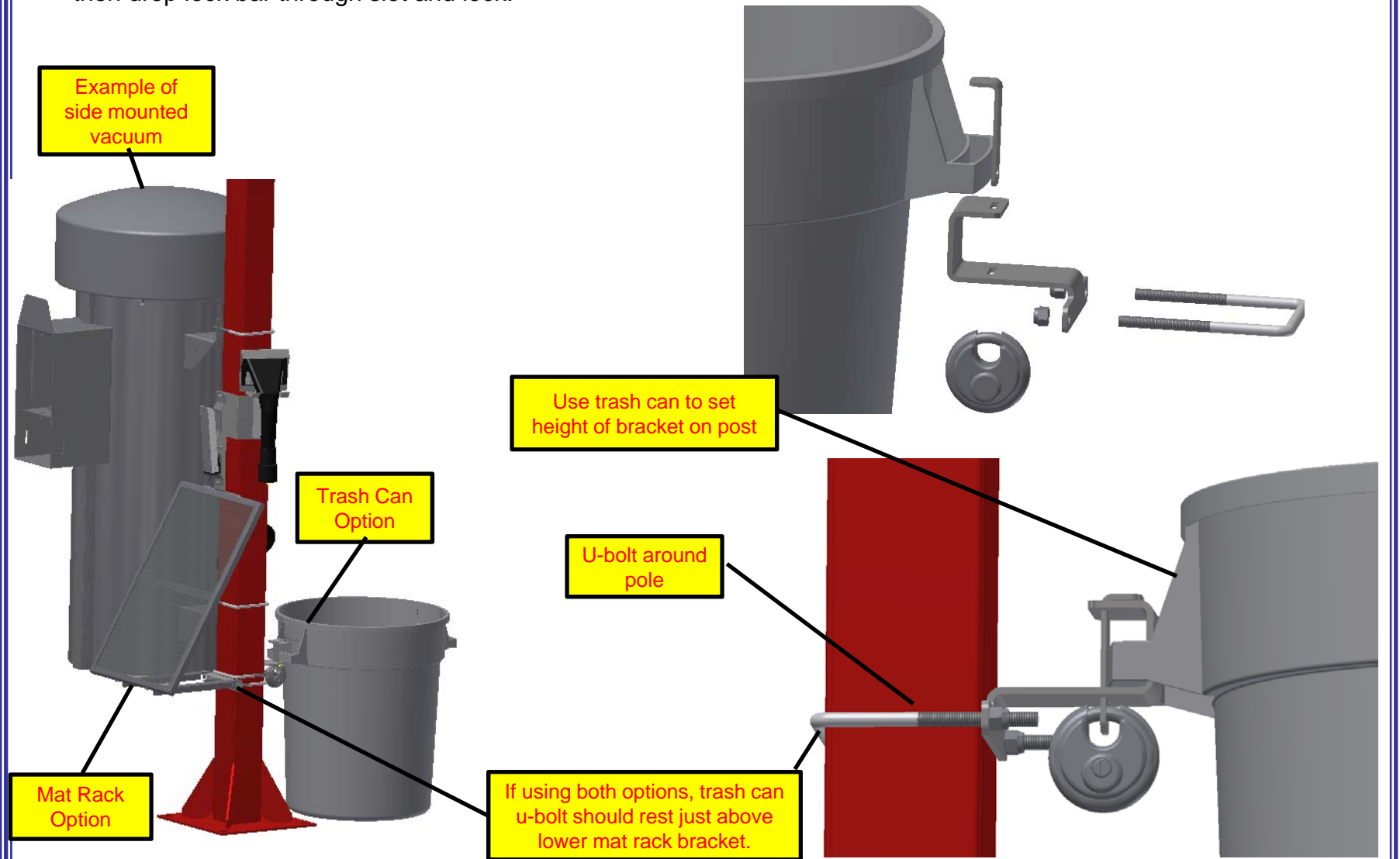
OPTION Cont.:

- Arch Centering Option Continued
 - Rotate arch to the desired “home” position (position you want arch to return to). Reminder from step 3, it is much preferred the arch hang the opposite direction as the post opening.
 - Lower Stop collar directly behind pin of center stop plate and between legs of torsion spring. Tighten collar on arch with end of pin of collar approximately .02” below top surface of center stop plate. Important end of pin be below top of center stop plate so spring can not disengage the collar pin.
 - Reinstall vacuum hose and covers. **Never operate arch with upper bracket cover off.**



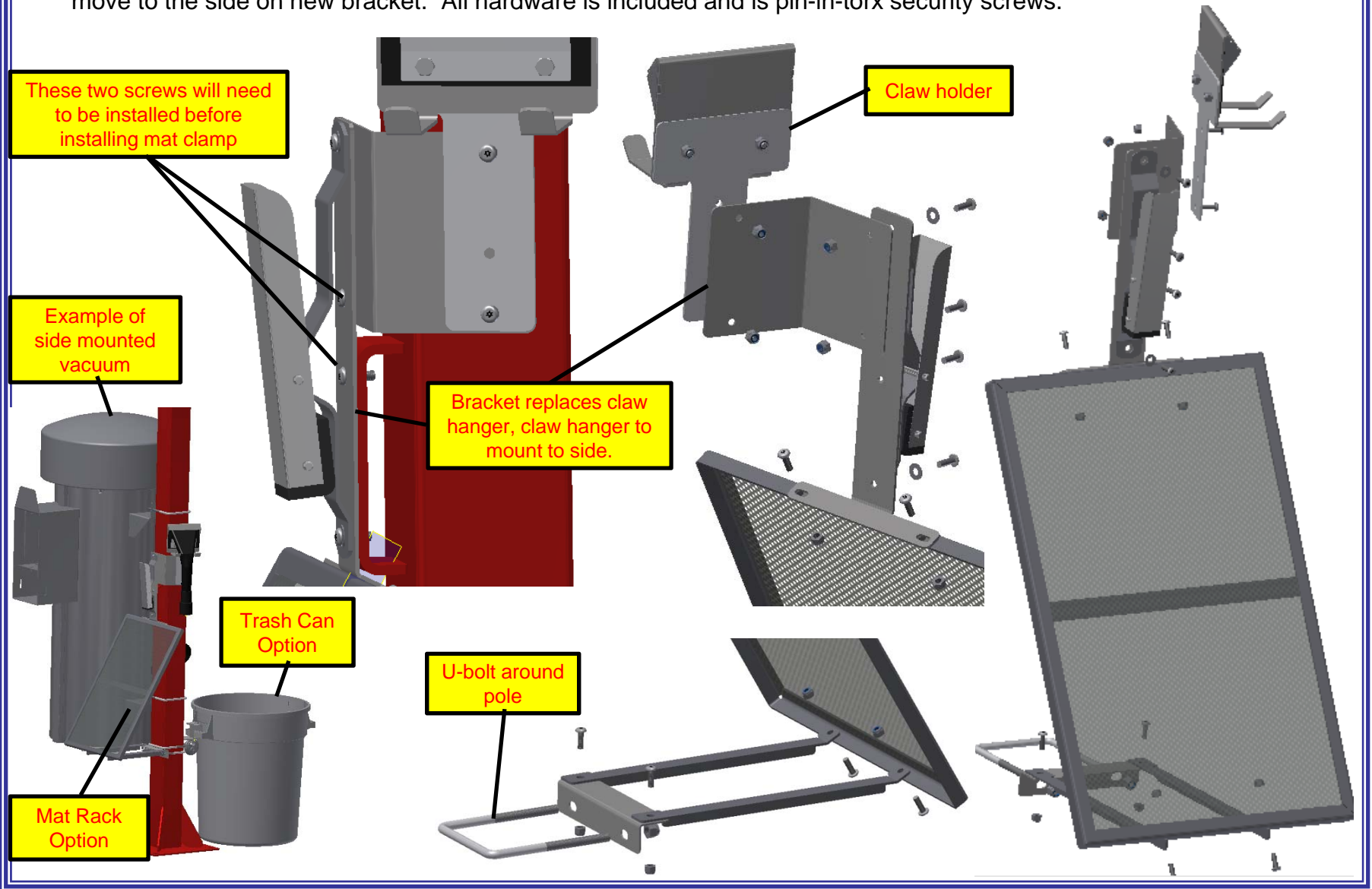
OPTIONS Cont.:

Trash can option (75000-114A) U-bolted to pole. Use Trash can to set height of bracket. Make sure Trash can sets flat on ground and is not suspended by handle. Hook handle of trash can in bracket then drop lock bar through slot and lock.



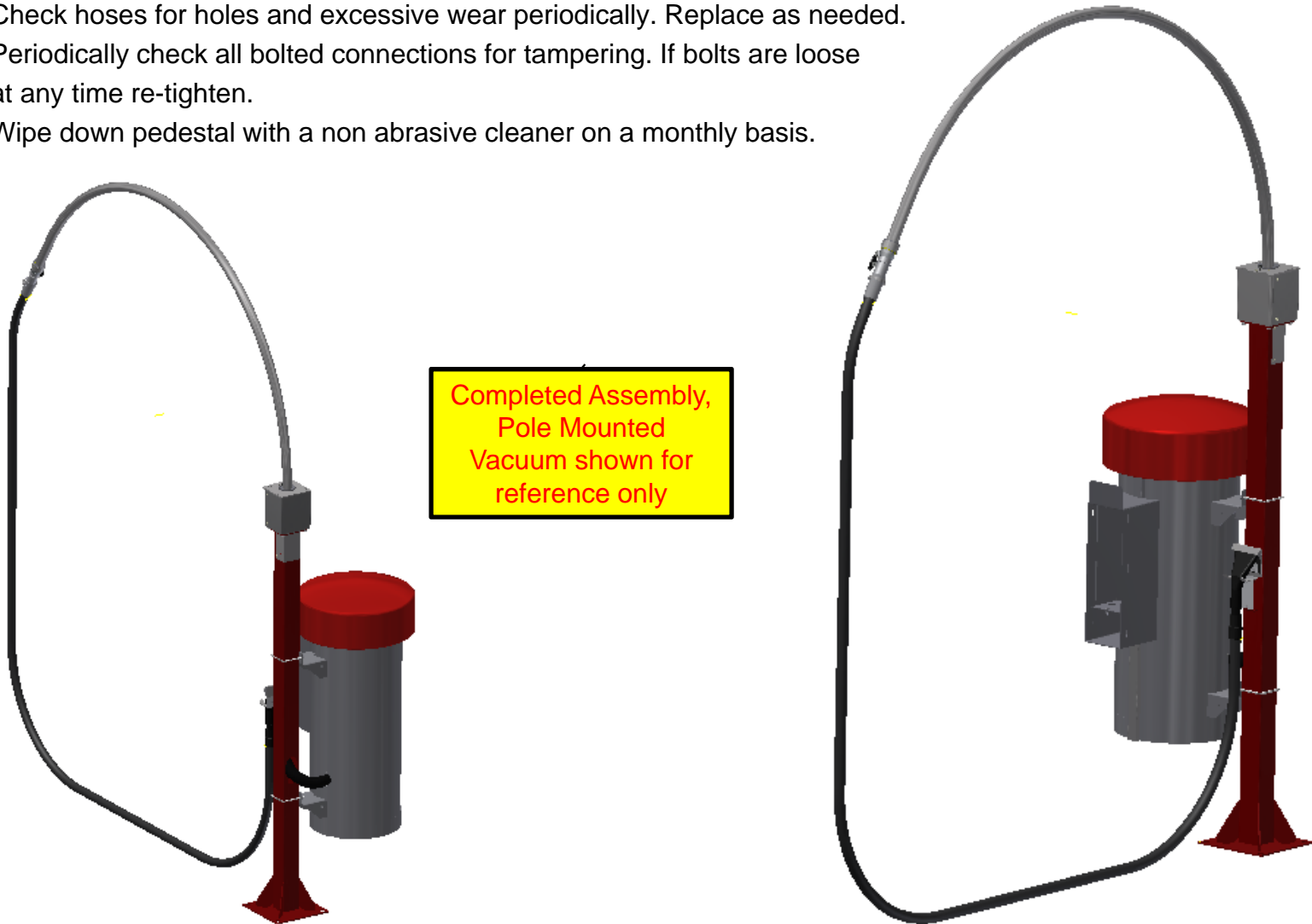
OPTIONS Cont.:

Mat Rack option (75000-111A) bolted on pole in place of claw holder bracket. Claw holder bracket will move to the side on new bracket. All hardware is included and is pin-in-torx security screws.

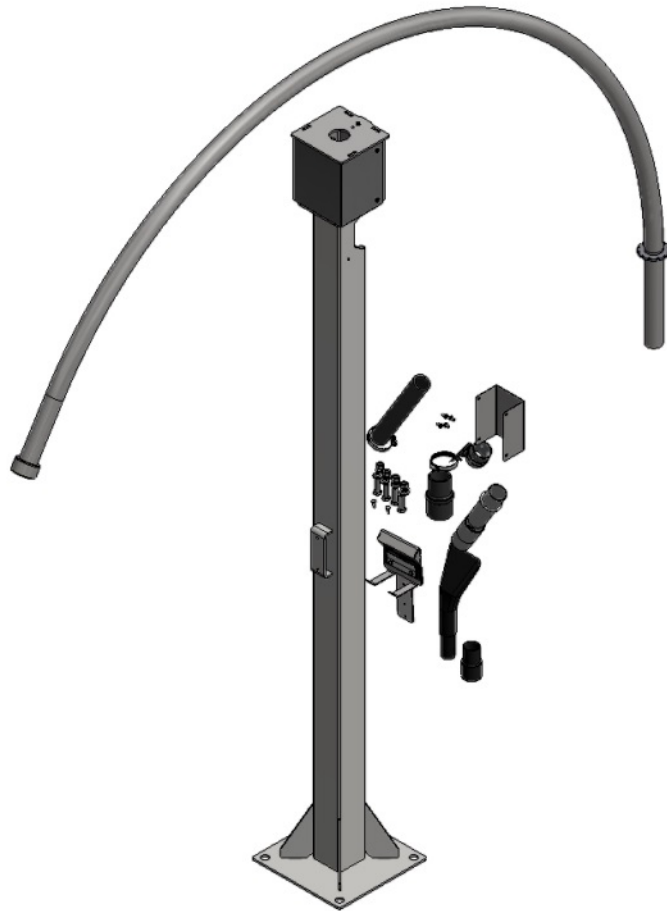


MAINTENANCE:

- Bushings inside swivel boom housing require no maintenance. If bushings become worn they can easily be replaced.
- Check hoses for holes and excessive wear periodically. Replace as needed.
- Periodically check all bolted connections for tampering. If bolts are loose at any time re-tighten.
- Wipe down pedestal with a non abrasive cleaner on a monthly basis.



PART NO. 75000-SWL-__

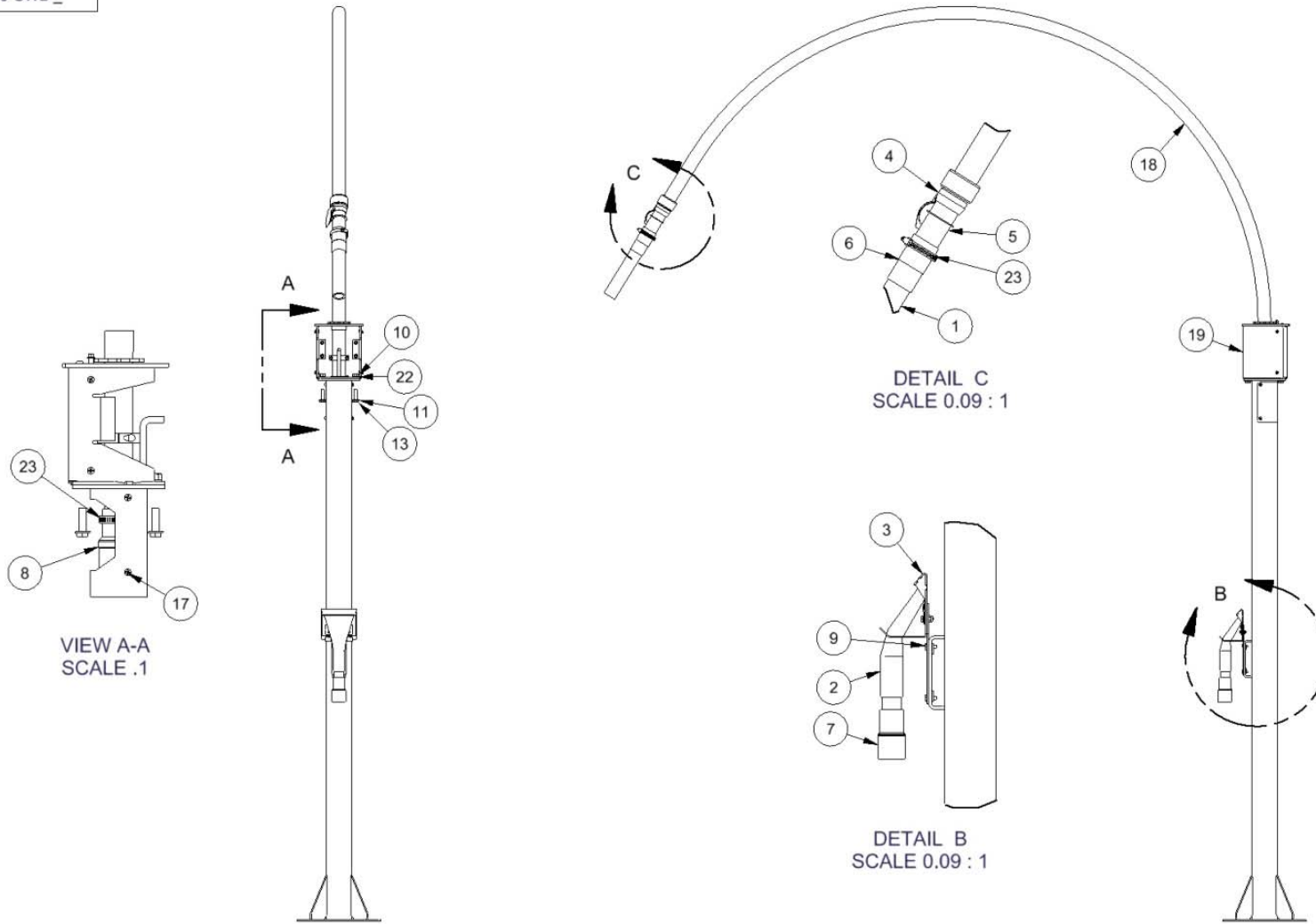



BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	2038-25	HOSE, 1 1/2" X 25' BLACK VACUUM	1
2	2055-BLACK	1-1/2" BLACK CLAW NOZZLE "ADAMS"	1
3	2058-13A-2	CLAW HANGER ASSEMBLY, STRAIGHT	1
4	2083-3	2" INLET VALVE W/COVER	1
5	2083-4	2" HOSE ADAPTOR	1
6	2084	HOSE COUPLER/ENLARGER 1-1/2 HOSE	1
7	2090	SWIVEL COUPLING 1-1/2"	1
8	2091	2" SWIVEL CUFF BLACK	1
9	5601D4	1/4-20 x 3/4 HHCS-SS	2
10	5605D4	1/2" X 13 HEX NUT	4
11	5606D10	WASHER, FLAT 1/2 SAE	4
13	5646D6	HHCS, 1/2-13 X 1.75", SS	4
14	6688BBOX2	BOX, 60.38X31.63 X 20	1
15	75000-207W-P_	PEDESTAL WLDMNT, 1 PIECE, ARCH, PAINTED	1
16	75000-425B	COVER, TOP, SWL ARCH POST	1
17	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	4
18	75000-216W	ARCH BOOM WELDMENT	1
19	75000-421SA	SWIVEL BRKT ASSEMBLY, BUSHING	1
20	75000-P1A	PALLET, SWL ARCH AND BOXED POST	1
21	8047	BAG, 60X72 CLEAR POLY, 1.5 MIL	2
22	8049	1/2 LOCK WASHER	4
23	8546-1	CLAMP, HOSE, SS, 1 3/4"-2 3/4"	2
24	SH6021	BAG, PLASTIC, 8"X10", 4 MIL	1
25	SH6026	BOX, 18X18X18	1

SUFFIX PART # LIST						
TOP LEVEL PART	ITEM #	COMPONENT PART #	Red	Blue	Yellow	Green
75000-SWL-__			R	B	Y	G
	15	75000-207W-P_	R	B	Y	G

C	7508	ITEM 12 REMOVED, ITEM 15 WAS 75000-200W-P_, ITEM 16 WAS 75000-201W-P_, ITEM 17 WAS 75000-202AP_, ITEM 11 & 22 WERE 20, ITEM 12 WAS 16	7/13/15	MWS	TITLE: SWIVEL ARCH ASY, BUSHING VERSION
B	7467	MOVE TO 2" COUPLER TO PREVENT CLOGS	05/15/15	JRF	
A	7418	ADDED ITEM 24 TO BOM & PAINT LIST, ADD (8) TO ITEMS 7, 8, 18	3/13/15	MWS	
REV	NO.	DESCRIPTION	DATE	BY	
<small>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</small>					
UNSPECIFIED TOLERANCES		MATERIAL		DATE	
1 PL ± .030		BY: mws		2/10/2015	
2 PL ± .020		SCALE		SHEET NO. 1 / 2	
3 PL ± .003		PART NO. 75000-SWL-__		REV. C	
ANGLE ± 1°					

PART NO. 75000-SWL-__

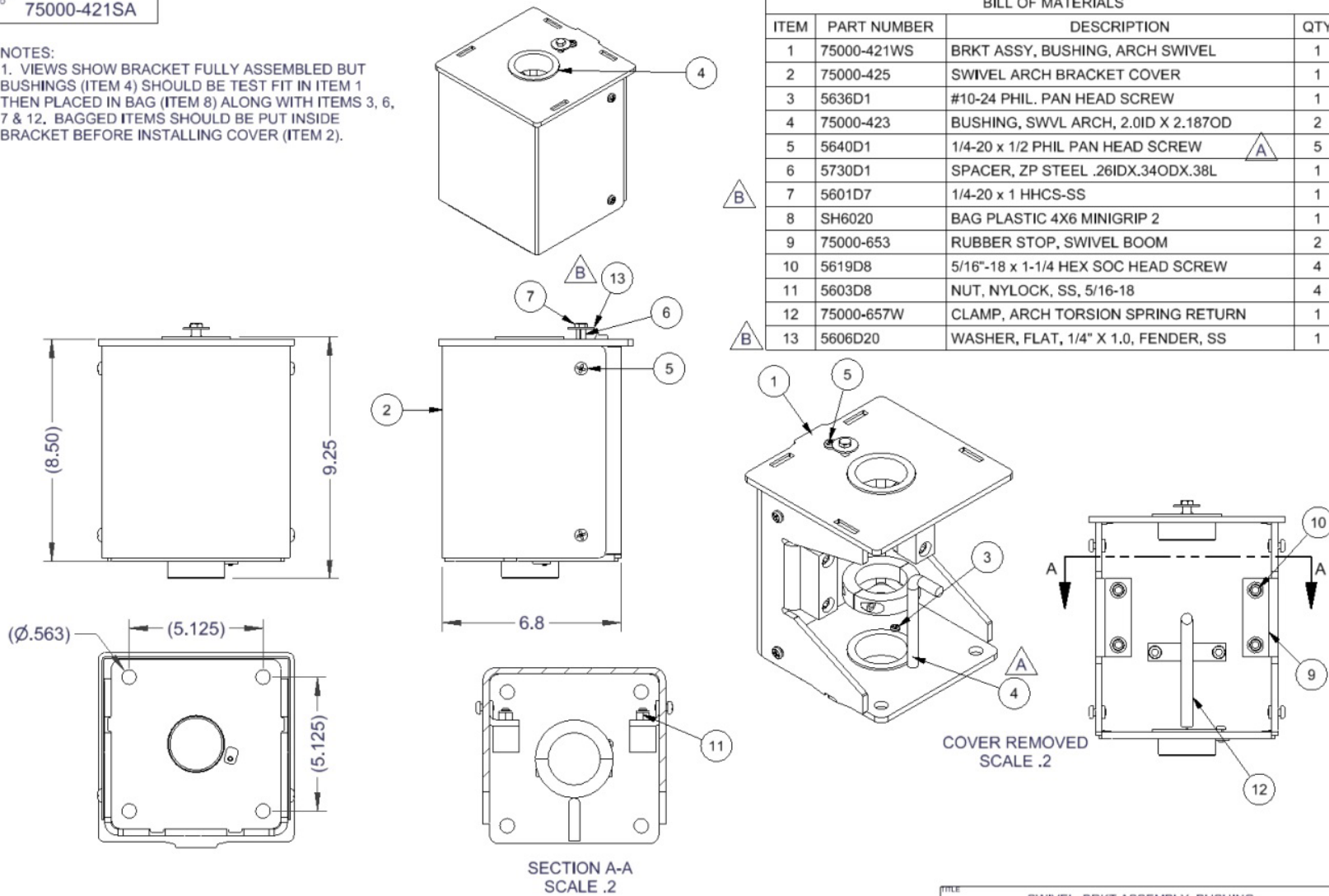


REV		NO.	DESCRIPTION	DATE	BY	TITLE		MATERIAL	
C	7508		ITEM 12 REMOVED, ITEM 15 WAS 75000-200W-P_, ITEM 16 WAS 75000-201W-P_, ITEM 17 WAS 75000-202AP_ ITEM 11 WAS 20, ITEM 12 WAS 16	7/13/15	MWS	SWIVEL ARCH ASY, BUSHING VERSION		UNSPECIFIED TOLERANCES	
						DRAWN BY		ITWS	
						DATE		2/10/2015	
						SCALE		2 / 2	
						ANGLE		± 1°	
									
								PART NO. 75000-SWL-__	
								REV. C	

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75000-421SA

NOTES:
 1. VIEWS SHOW BRACKET FULLY ASSEMBLED BUT BUSHINGS (ITEM 4) SHOULD BE TEST FIT IN ITEM 1 THEN PLACED IN BAG (ITEM 8) ALONG WITH ITEMS 3, 6, 7 & 12. BAGGED ITEMS SHOULD BE PUT INSIDE BRACKET BEFORE INSTALLING COVER (ITEM 2).



BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	75000-421WS	BRKT ASSY, BUSHING, ARCH SWIVEL	1
2	75000-425	SWIVEL ARCH BRACKET COVER	1
3	5636D1	#10-24 PHIL. PAN HEAD SCREW	1
4	75000-423	BUSHING, SWVL ARCH, 2.0ID X 2.187OD	2
5	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	5
6	5730D1	SPACER, ZP STEEL .26IDX.34ODX.38L	1
7	5601D7	1/4-20 x 1 HHCS-SS	1
8	SH6020	BAG PLASTIC 4X6 MINIGRIP 2	1
9	75000-653	RUBBER STOP, SWIVEL BOOM	2
10	5619D8	5/16"-18 x 1-1/4 HEX SOC HEAD SCREW	4
11	5603D8	NUT, NYLOCK, SS, 5/16-18	4
12	75000-657W	CLAMP, ARCH TORSION SPRING RETURN	1
13	5606D20	WASHER, FLAT, 1/4" X 1.0, FENDER, SS	1

REV	NO.	DESCRIPTION	DATE	BY
B	7604	REPLACE ITEM 7 WITH 5601D7, ADD ITEM 13	11/23/15	MWS
A	7508	ITEM 12 WAS 75000-655W, ADD (1) ITEM 5	7/13/15	MWS

TITLE		SWIVEL BRKT ASSEMBLY, BUSHING	
UNSPECIFIED TOLERANCES	MATERIAL	DRAWN BY MIKE S	
1 PL ±.030		DATE 1/30/2015	
2 PL ±.020		SCALE	
3 PL ±.003		SHEET 1 / 1	PART NO. 75000-421SA
ANGLE ± 1°			REV. B

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