

MAGUIRE PRODUCTS INC.

SW SERIES SWEEPERS

Models:

- **SW-4815**
- **SW-4820**
- **SW-4825**
- **SW-8415**
- **SW-8420**
- **SW-8425**

Sweeper Dual Control

SW Series Sweeper[®]

Gaylord Sweeper Evacuation System

INSTRUCTION AND OPERATION MANUAL

Maguire Products Inc.**SW Series Sweeper**
Gaylord Sweeper Evacuation System

This manual is for models:
SW-4815, SW-4820, SW-4825
SW-8415, SW-8420, SW-8425
and Sweeper Dual Control

SW Series Sweeper Basic Operation	5
Series 4815, 4820, 4825 Sweeper	
Setup and Assembly Diagrams	6
Wiring Diagrams	19
Series 8415, 8420, 8425 Sweeper	
Setup and Assembly Diagrams	21
Wiring Diagrams	33
Sweeper Dual Control System	
Basic Operation	35
System Setup	36
Operation and Control Panel	39
Dual Control Sweeper Diagrams	42
Dual Control Wiring Diagram	44
Decommissioning and Disposal	48
Disclaimers	48
Warranty	49
Technical Support and Contact Information	50

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To every person concerned with use and maintenance of the Maguire SW Series Sweeper it is recommended to read thoroughly these operating instructions. Maguire Products Inc. accepts no responsibility or liability for damage or malfunction of the equipment arising from non-observance of these operating instructions.

To avoid errors and to ensure trouble-free operation, it is essential that these operating instructions are read and understood by all personnel who are to use the equipment.

Should you have problems or difficulties with the equipment, please contact Maguire Products Inc. or your local Maguire distributor.

These operating instructions only apply to the equipment described within this manual.

Manufacturer's Contact Information

Maguire Products Inc.
11 Crozerville Road
Aston, PA. 19014

Phone: 610.459.4300
Fax: 610.459.2700

Website: <http://www.maguire.com>

Email: info@maguire.com

Maguire SW Series Sweeper Basic Operation

The SWEEPER gets its name from the fact that it continuously "sweeps" the top level of the contents of the Gaylord to the outer edges. The material is vacuumed up the rotating vertical pick up tube assembly, which in turn has a flexible hose and wand assembly that rotates. As the pick up tube assembly rotates the material is drawn up thru the vertical portion, and into the manufacturing process.

The motor that rotates the pick up tube is only activated when vacuum is sensed from the users conveying system. As the unit unloads the material from the gaylord, the counterbalance system allows the motor / control assembly to lower and follow the level of the material. When the sweeper reaches to the bottom of the gaylord, there will be a small amount of material remaining, which can be easily removed with the Gaylord liner and returned to inventory.

The whole system is portable and can be moved from one location to another.

Available in six models sizes.

- SW-4815 - 48-inch clearance, 1.5" (38mm) hose diameter.
- SW-4820 - 48-inch clearance, 2.0" (50mm) hose diameter.
- SW-4825 - 48-inch clearance, 2.5" (63mm) hose diameter.
- SW-8415 - 84-inch clearance, 1.5" (38mm) hose diameter.
- SW-8420 - 84-inch clearance, 2.0" (50mm) hose diameter.
- SW-8425 - 84-inch clearance, 2.5" (63mm) hose diameter.

Power Requirements: 120 VAC or 230 VAC, model dependent.

Available optional Sweeper Cover that completely covers the material in the gaylord. Part number GLC-4848.



SW- 4815, SW-4820, SW-4825
Overall gaylord clearance up to 48 Inches



SW-8415, SW-8420, SW-8425
Overall gaylord clearance up to 84 inches

SW Series 4815, 4820, 4825 Sweeper Setup

Your unit consists of 3 basic separate assemblies: The stand assembly, the vertical frame assembly and the pick-up tube assembly.

STEP 1 - ASSEMBLE THE STAND

1. Refer to the drawings on page 7 for identification and location of parts & hardware. The rear stop bar can be installed in the upper or lower position to suit the dimensions of the material Gaylord.

STEP 2 - BOLT THE VERTICAL ASSEMBLY TO STAND

2. Refer to the drawing page 7 for identification and location of parts & hardware. Please note that the front or sloped side of the sweeper assembly should face the leg that has the chain catch plate. Ensure to center the vertical assembly on the frame of the stand.

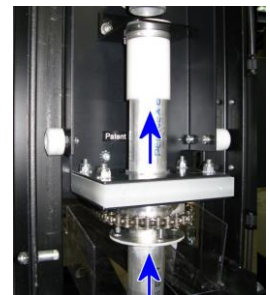
STEP 3 – ATTACH THE PICK-UP TUBE ASSEMBLY

3. First, remove the aluminum end guard by removing the two self-tapping screws (see photo). Allow the clear Lexan® chain guard to hang down. It is not necessary to remove the Lexan® chain guard.



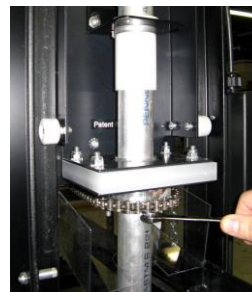
(2) Remove end guard

4. Remove the four (4) locknuts and washers that are attached to the sprocket hub assembly.



(4) Insert pickup tube

5. Raise the motor control assembly to allow for clearance to insert the pick up tube assembly into the pulley hub assembly. Slowly, push upward until the flange is seated firmly against the sprocket hub assembly.



(5) Reinstall washers, locknuts

6. Reinstall and tighten the four 1/4-20 locknuts and washers. Please refer to enclosed assembly instructions for details.



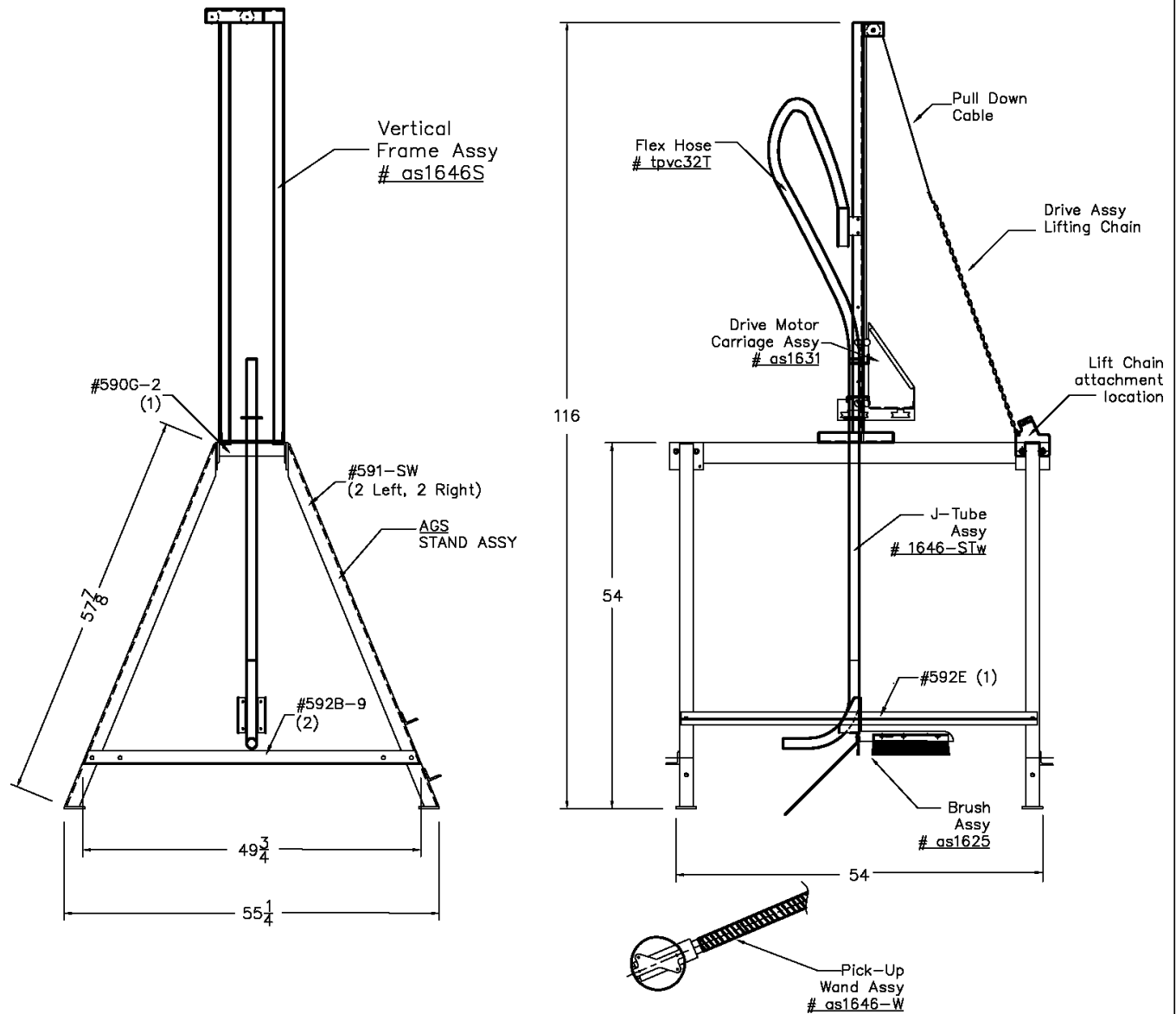
(6) Reinstall end guard

7. Reinstall the aluminum end guard and tighten screws. Note: Be sure there is clearance between Gaylord frame top member.

Drive Chain Adjustment

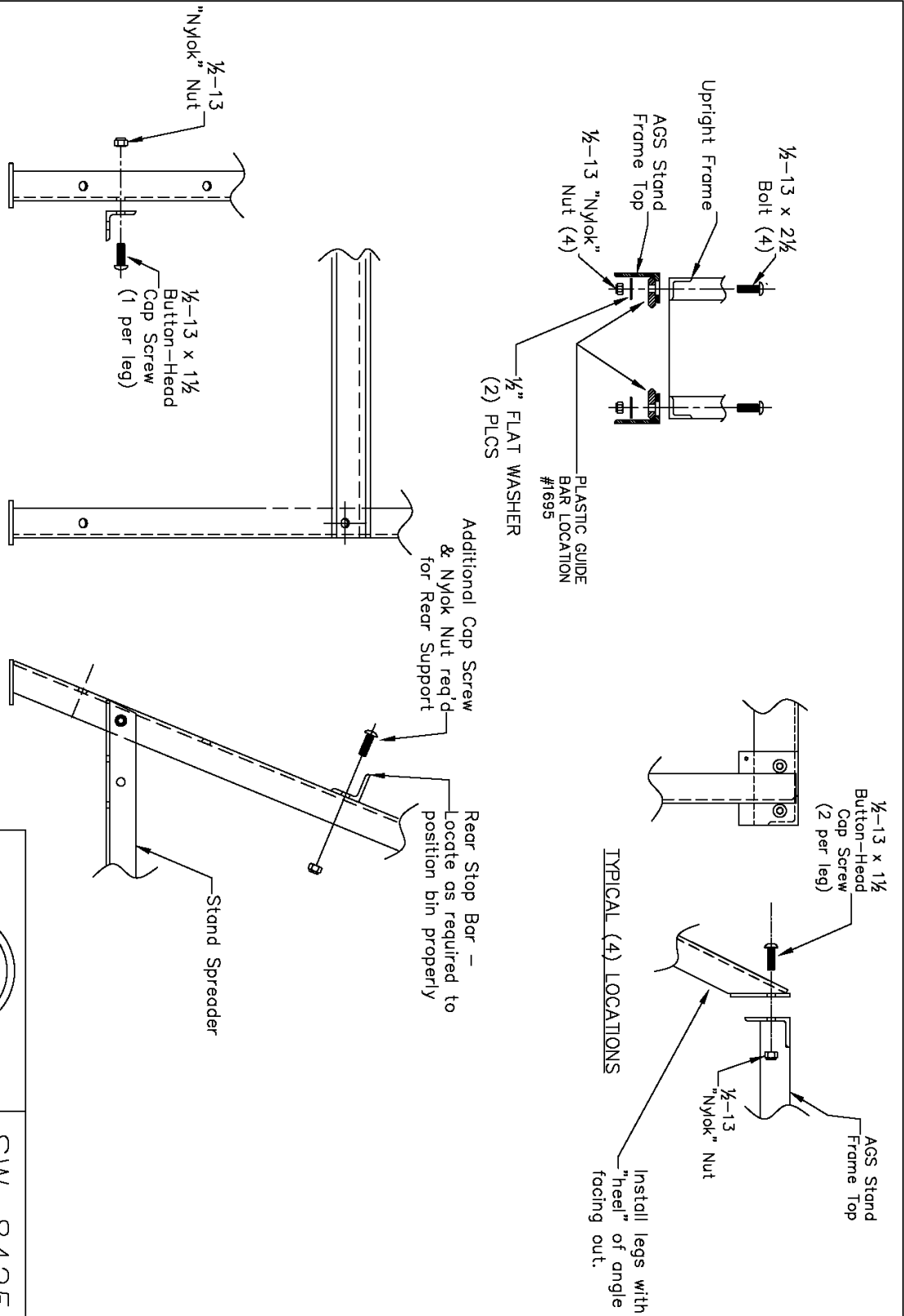
If the chain needs adjustment, remove the clear Lexan® portion of the chain guard. Loosen the (4) four machine screws. Apply pressure to the rear of the motor (This will apply tension to the chain and sprocket). Do not apply too much force to the chain tension. Then tighten the (4) screws at the bottom of the motor / bracket assembly. Re-install the clear Lexan® belt guard.

4800 Series Dimensional Drawings and Parts Identification



- ALL DIMENSIONS ARE APPROXIMATE
 - PART LOCATION ARE FOR REFERENCE.

 MAGUIRE PRODUCTS, INC. 11 Crozerville Road, Aston, PA 19014 Tel: (888) 459-2412 Fax: (610) 459-2700 http://www.maguire.com	Model SW-4820 SWEEPER ASSEMBLY	
	Drawn by: DWG	Date drawn: 7.23.13
	Material:	Paint/Finish:

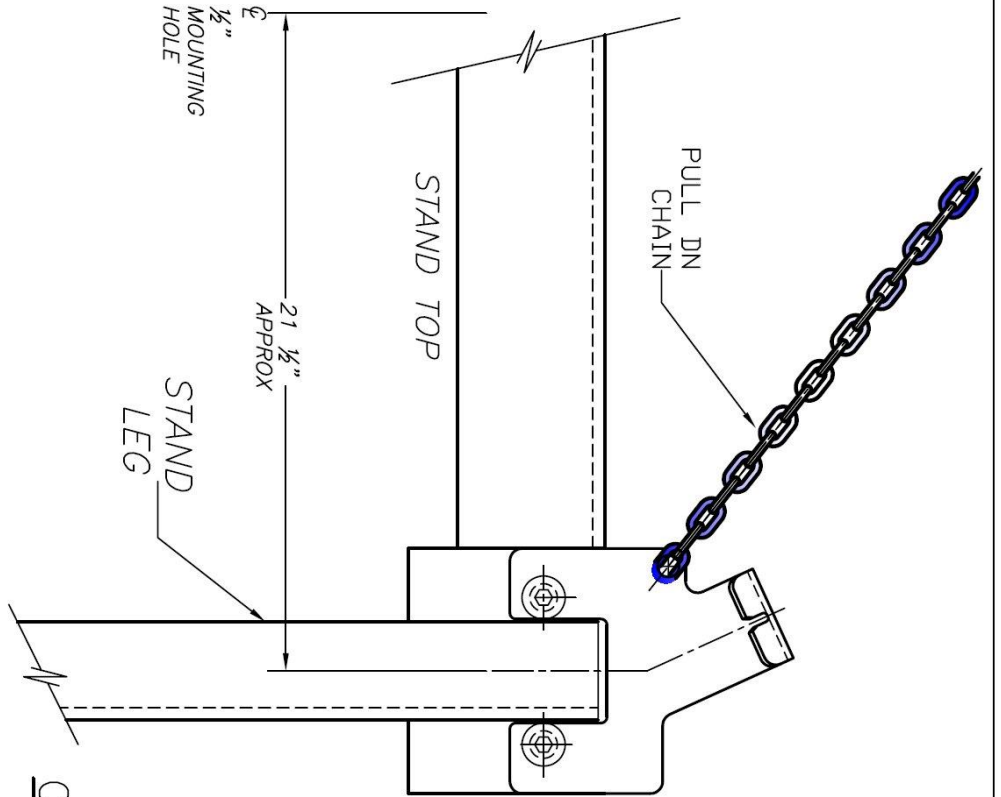


MAGUIRE PRODUCTS INC.
11 Crozerville Rd.
Aston, PA 19014 USA
610-459-4300
Fax 610-459-2700

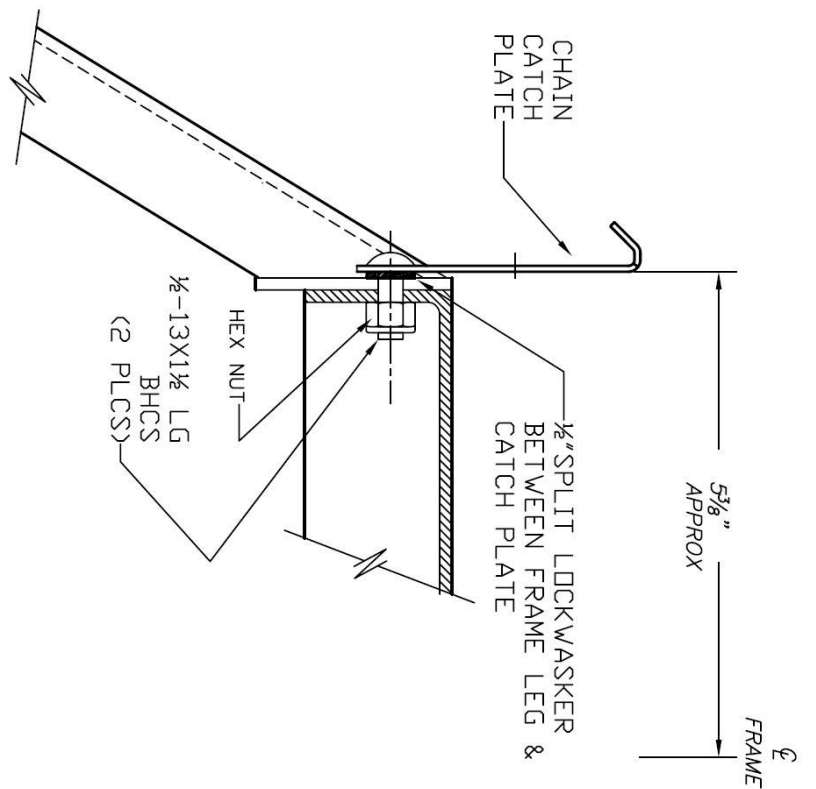
SW-8425 Frame
Typical Assembly
Instructions

Drawn by: DWG
Date drawn: 2/22/11

Material: Finish:



ASSEMBLY- CHAIN CATCH PLATE



#1653 SK-0718
sweeper/chaincatchplate48



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PRODUCTS, INC.

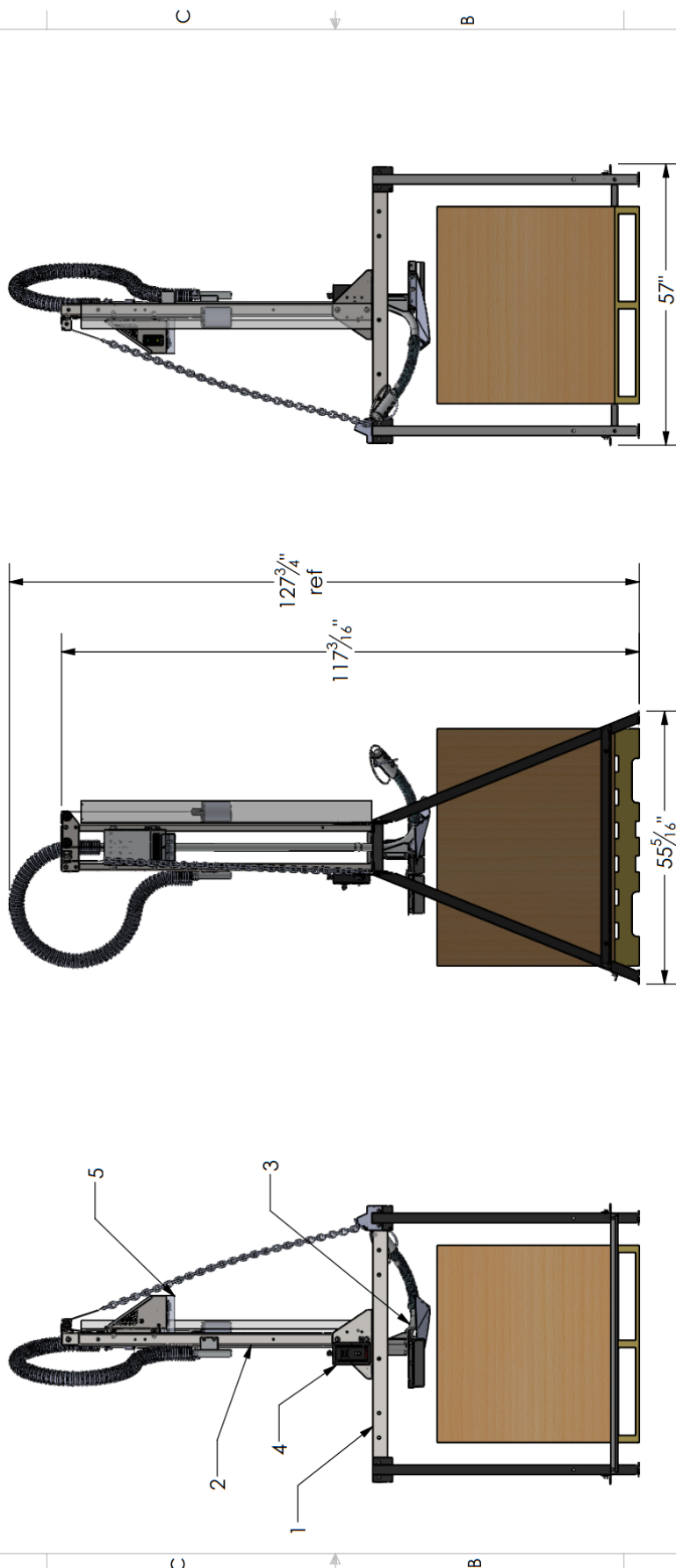
11 Crozetville Road, Aston, PA 19014
Tel: (888) 459-2412 / (610) 459-4300
Fax: (610) 459-2700
<http://www.maguire.com>

ASSEMBLY-
CHAIN CATCH PLATE-
48" SWEEPER

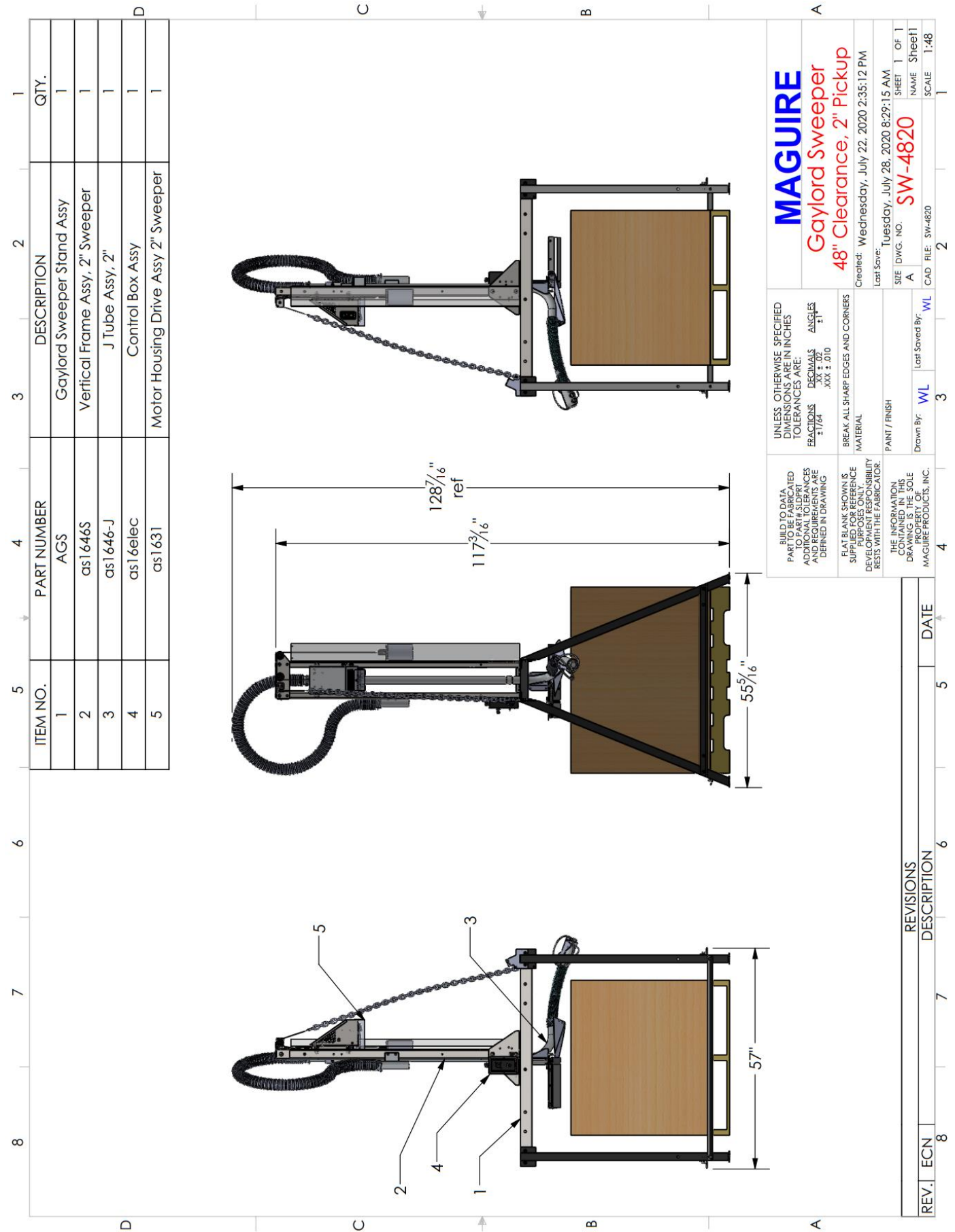
Drawn by: DWG
Date drawn: 5.2.12

Material: NOTED
Paint/Finish: NOTED

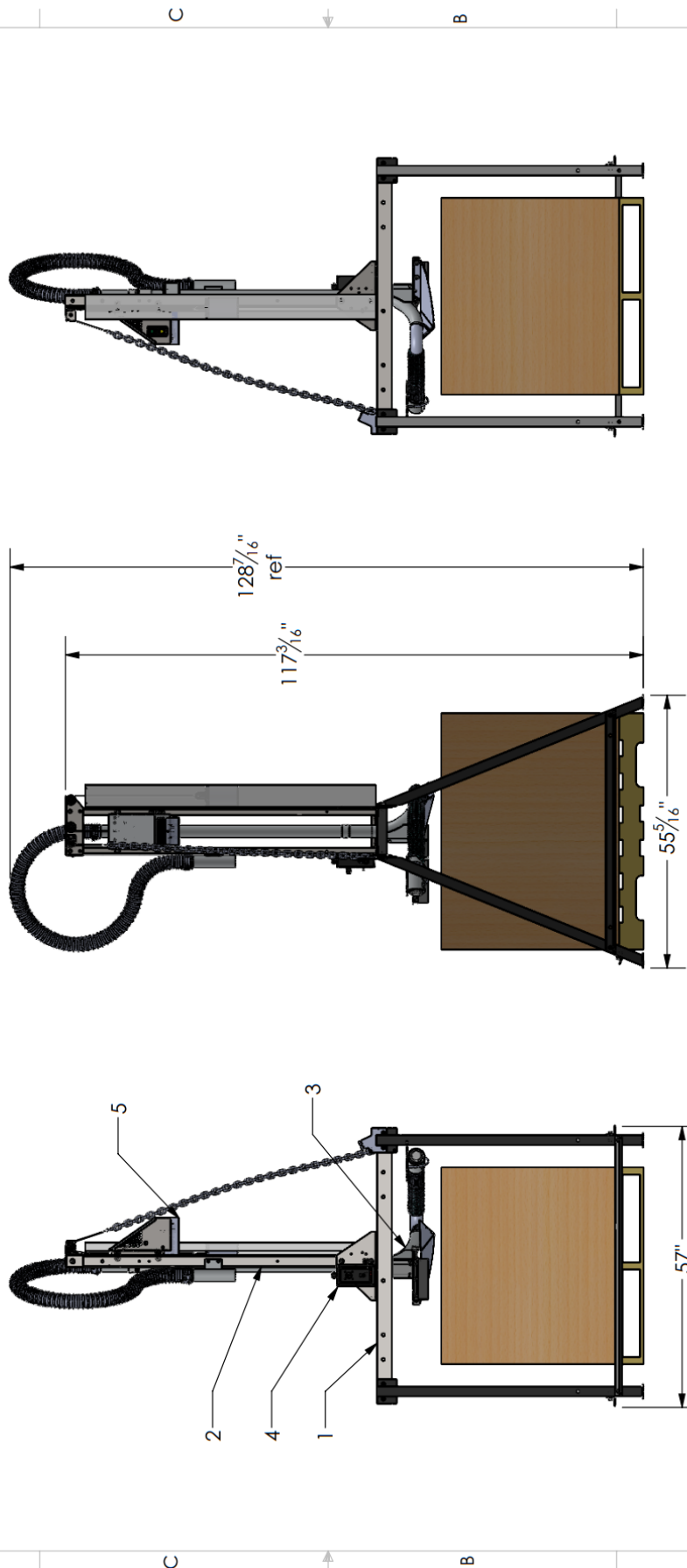
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AGS	Gaylord Sweeper Stand Assy	1
2	as1622S	Vertical Frame Assy, 1 1/2" Sweeper	1
3	as1626-J	J Tube Assy, 1 1/2"	1
4	as16elec	Control Box Assy	1
5	as1620	Motor Housing Drive Assy, 1 1/2" Sweeper	1



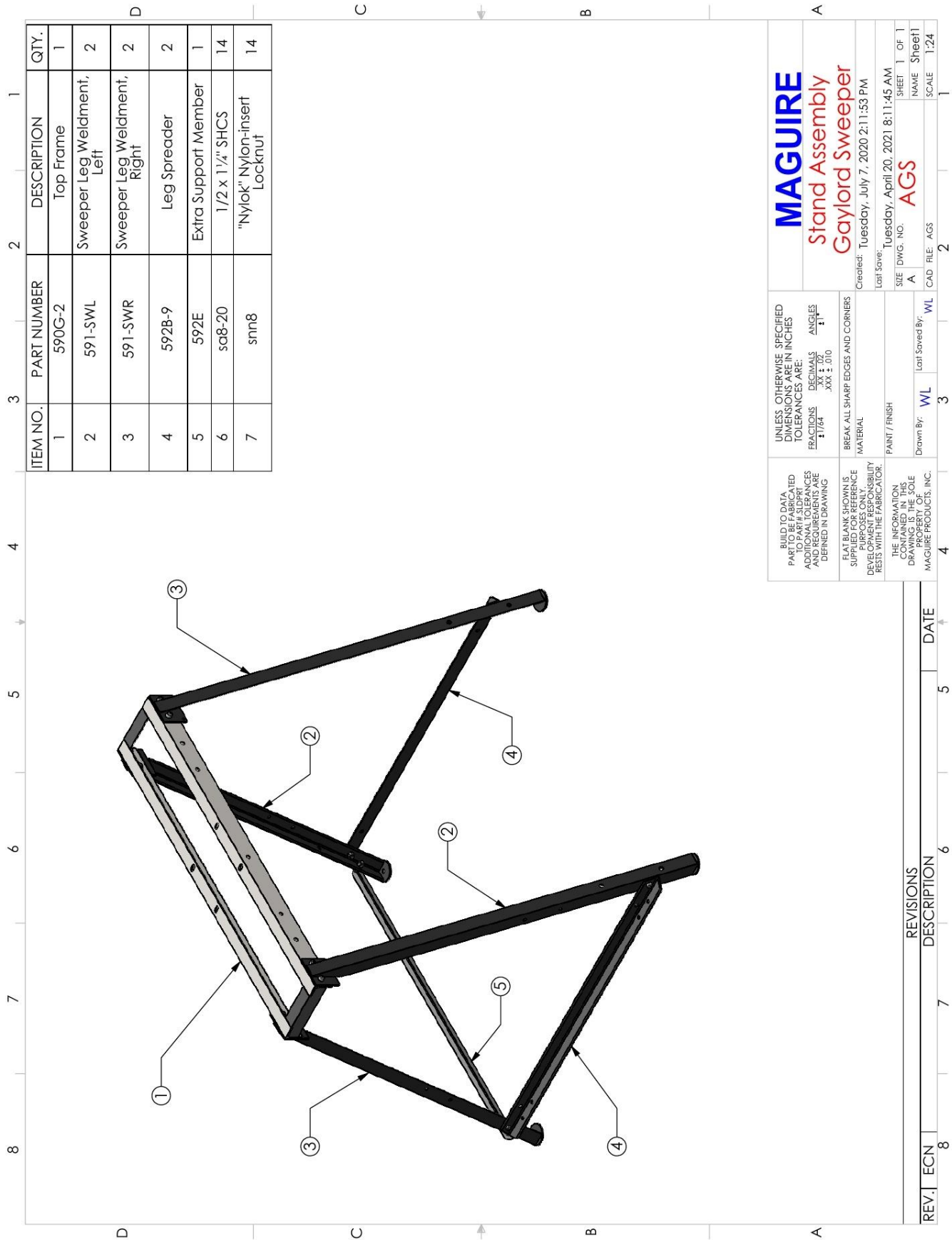
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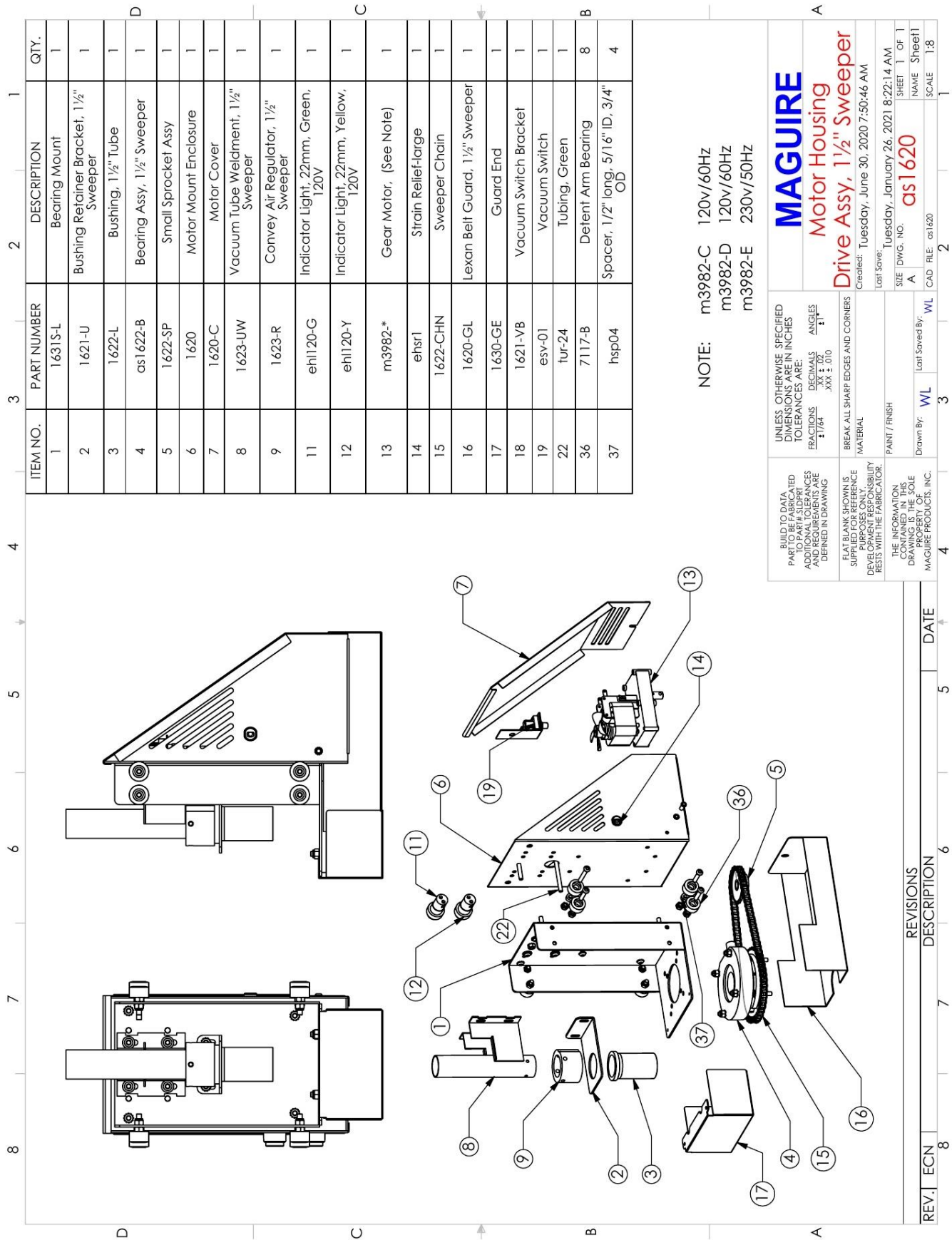


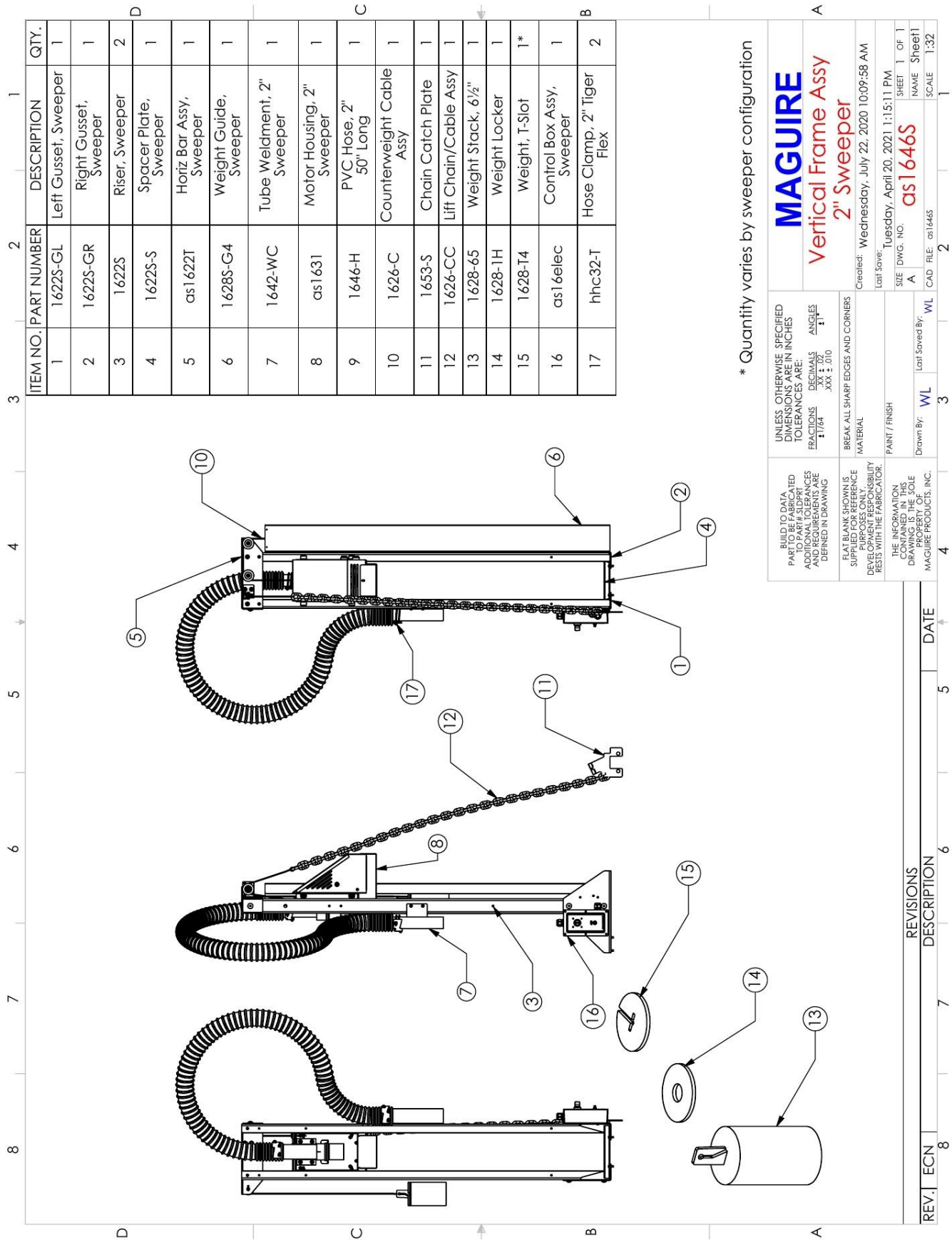
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AGS	Gaylord Sweeper Stand Assy	1
2	as1632S	Vertical Frame Assy, 2½" Sweeper	1
3	as1636-J	J Tube Assy, 2½"	1
4	as16elec	Control Box Assy	1
5	as1630	Motor Housing Drive Assy, 2½" Sweeper	1

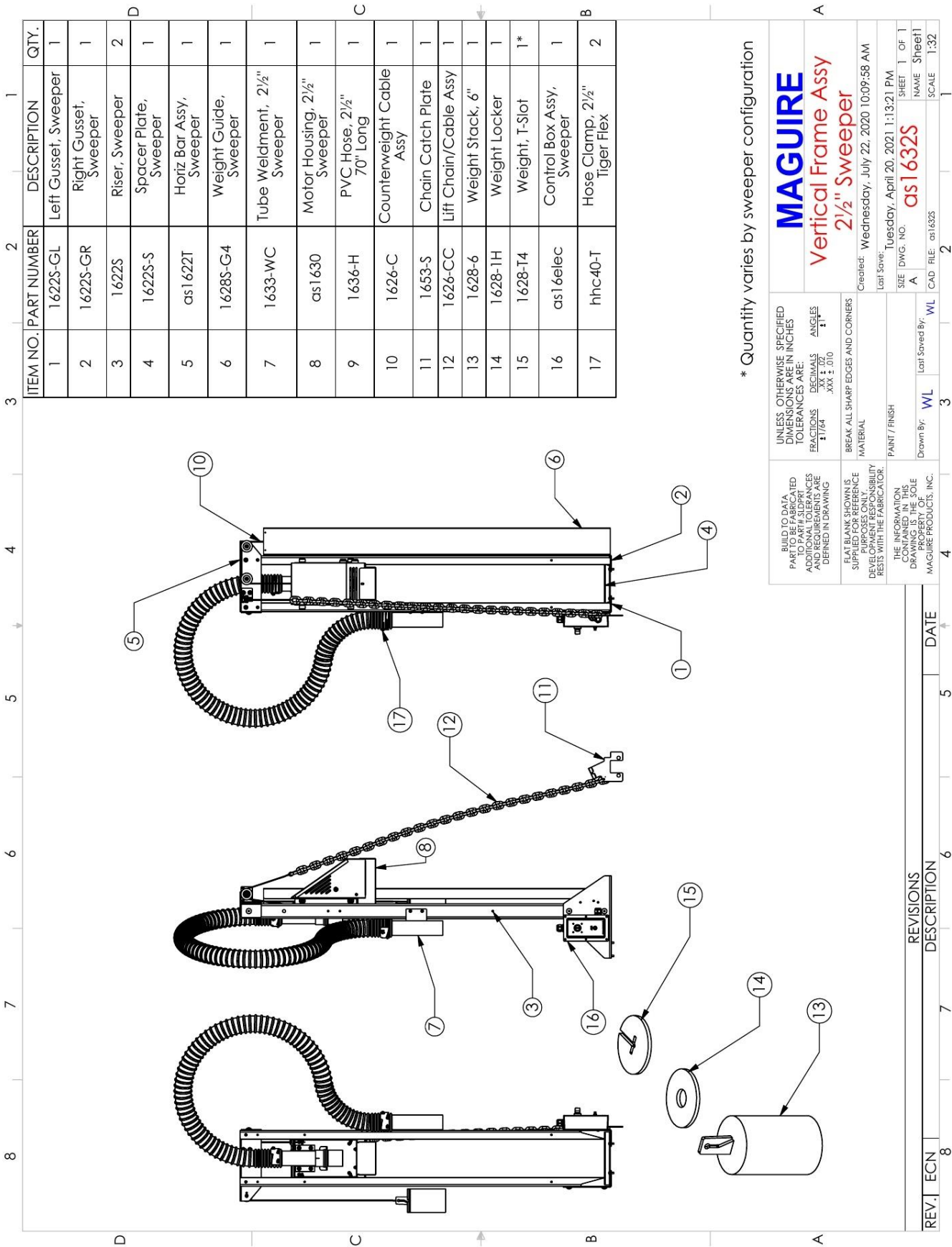


REV. ECN		8	7	6	5	4	DATE	
REVISIONS								
DESCRIPTION								
BUILD TO DATA PARTS SPECIFIED TO LEFT. TOLERANCES ARE: FRACTIONS: ±1/64 DECIMALS: .XX ±.02 ANGLES: ±1°							UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
FLAT BLANK SHOWN IS SUPPLIER'S SPECIFICATION. PURCHASER'S DEVELOPMENT RESPONSIBILITY RESTS WITH THE FABRICATOR.							BREAK ALL SHARP EDGES AND CORNERS MATERIAL	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MAGUIRE PRODUCTS, INC.							PAINT / FINISH	
Drawn By: WL							Last Saved By: WL	
SIZE DWG. NO. A							SHEET 1 OF 1	
Tuesdays, July 28, 2020 8:33:03 AM							NAME Sheet1	
Created: Wednesdays, July 22, 2020 2:35:12 PM							Last Save:	
MAGUIRE							SW-4825	
Gaylord Sweeper							SCALE 1:48	
48" Clearance, 2.5" Pickup							2	









Counter balance weights

The assembly has a counterbalance system that is set at the factory to favor a downward brush direction to sweep the material efficiently. We have included additional weights, with your unit. Additional weights may be needed if the brush / wand assembly requires less downward force such as preventing the brush / wand from burying itself into the process material.

Controls

The main power switch is located at the base of the vertical frame member. When the power is turned “ON” the green indicator light will glow indicating power is on. The yellow indicator light directly below the green indicator light will indicate when the vacuum is present. The JOG button rotates the sweeper mechanism into a convenient position to allow for material gaylord insertion and removal. When the JOG button is depressed this yellow indicator light will glow.



Fuse Location

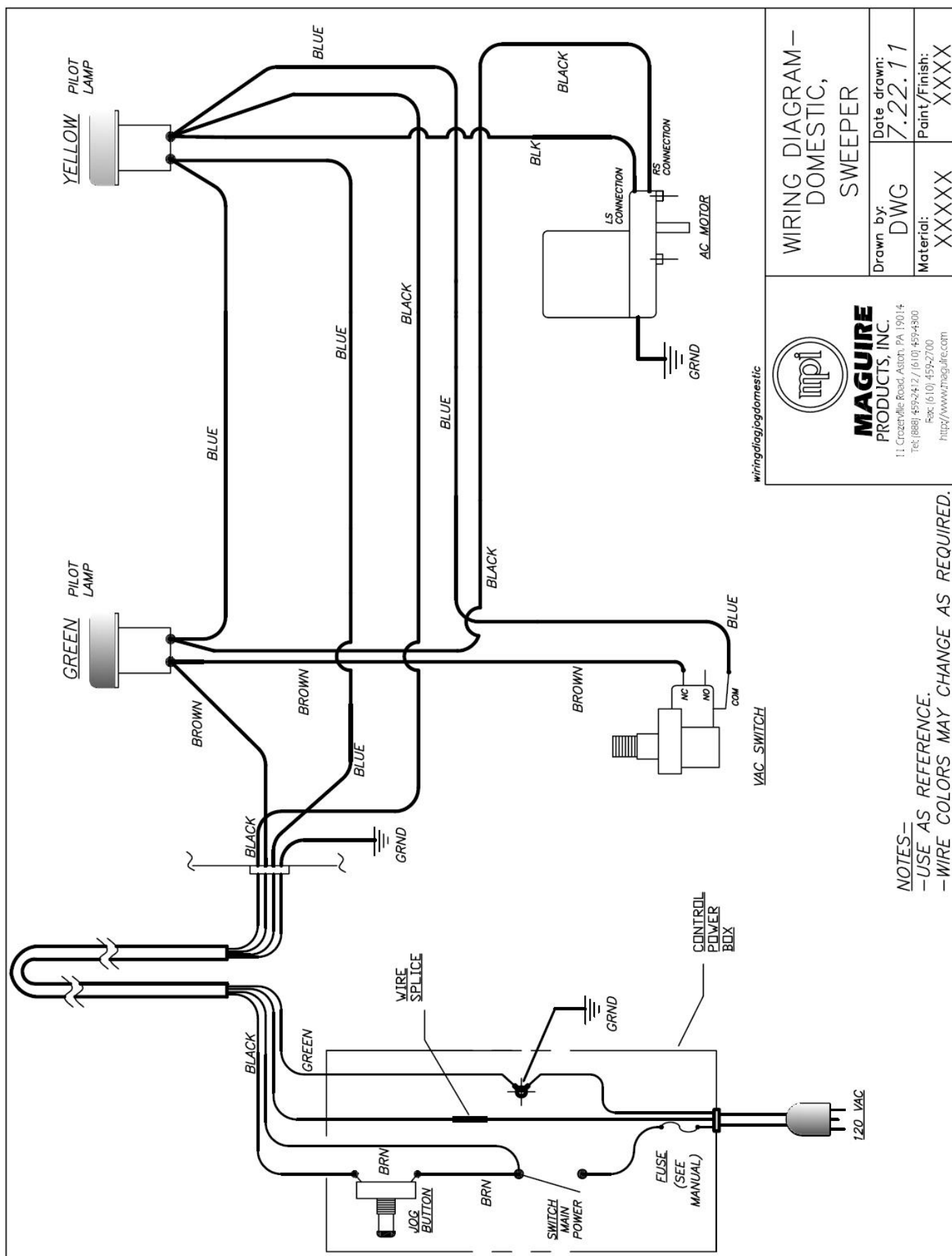
The 2 amp control circuit fuse is located under the aluminum motor cover.

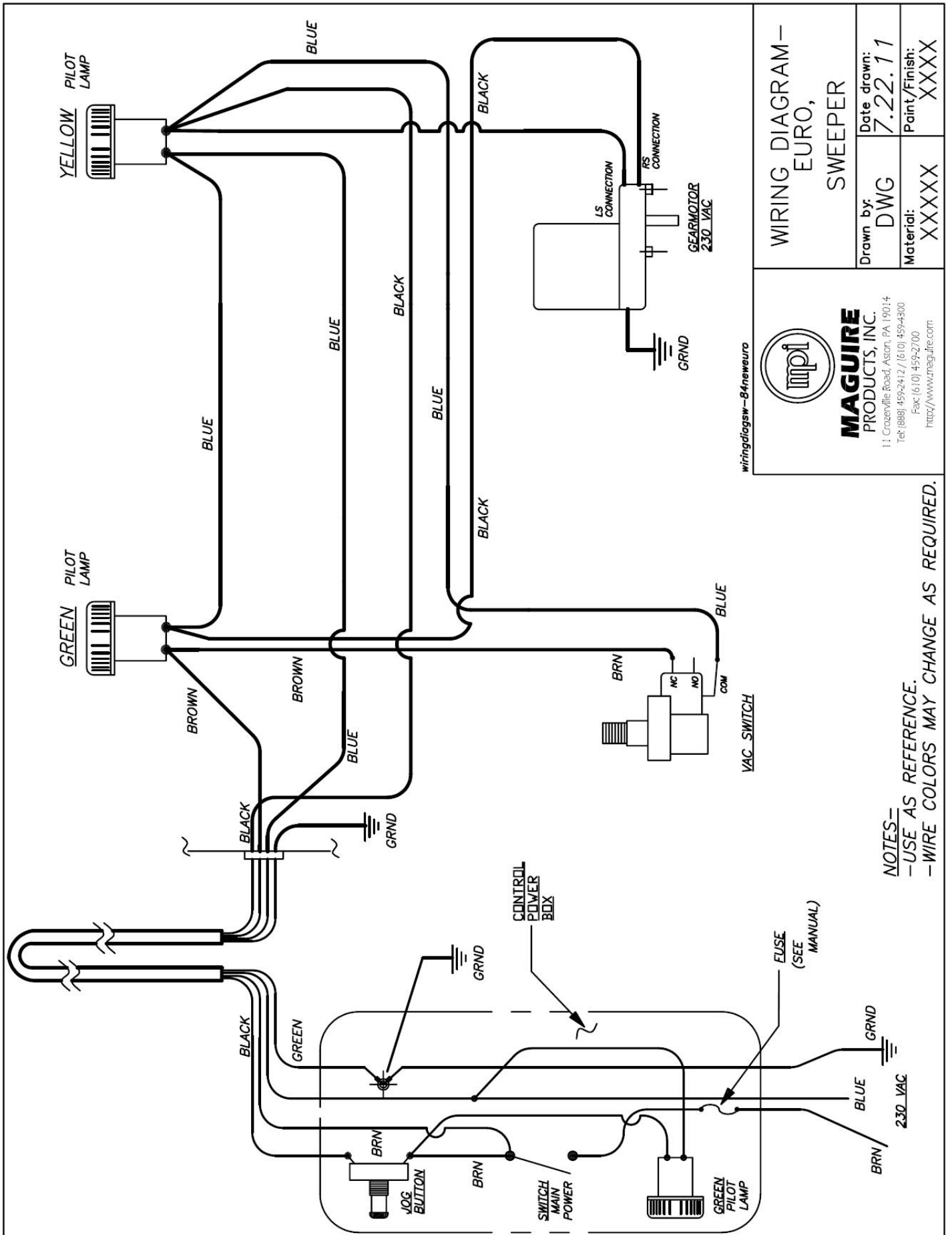
Use 2 AMP Slow Blow Fuse	115 VAC and 230 VAC
--------------------------	---------------------

Vacuum Switch

The vacuum switch is also located under the aluminum motor cover. This switch activates the motor control circuit as soon as it “sees” vacuum in the material line. It is factory preset.

SW Series 4815, 4820, 4825 Wiring Diagrams





wiringdiagsw-84neweuro



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<http://www.maguire.com>

WIRING DIAGRAM—
EURO,
SWEEPER

Drawn by:	Date drawn:
DWG	7.22.11
Material:	Paint/Finish:
XXXXX	XXXX

NOTES—
—USE AS REFERENCE.
—WIRE COLORS MAY CHANGE AS REQUIRED.

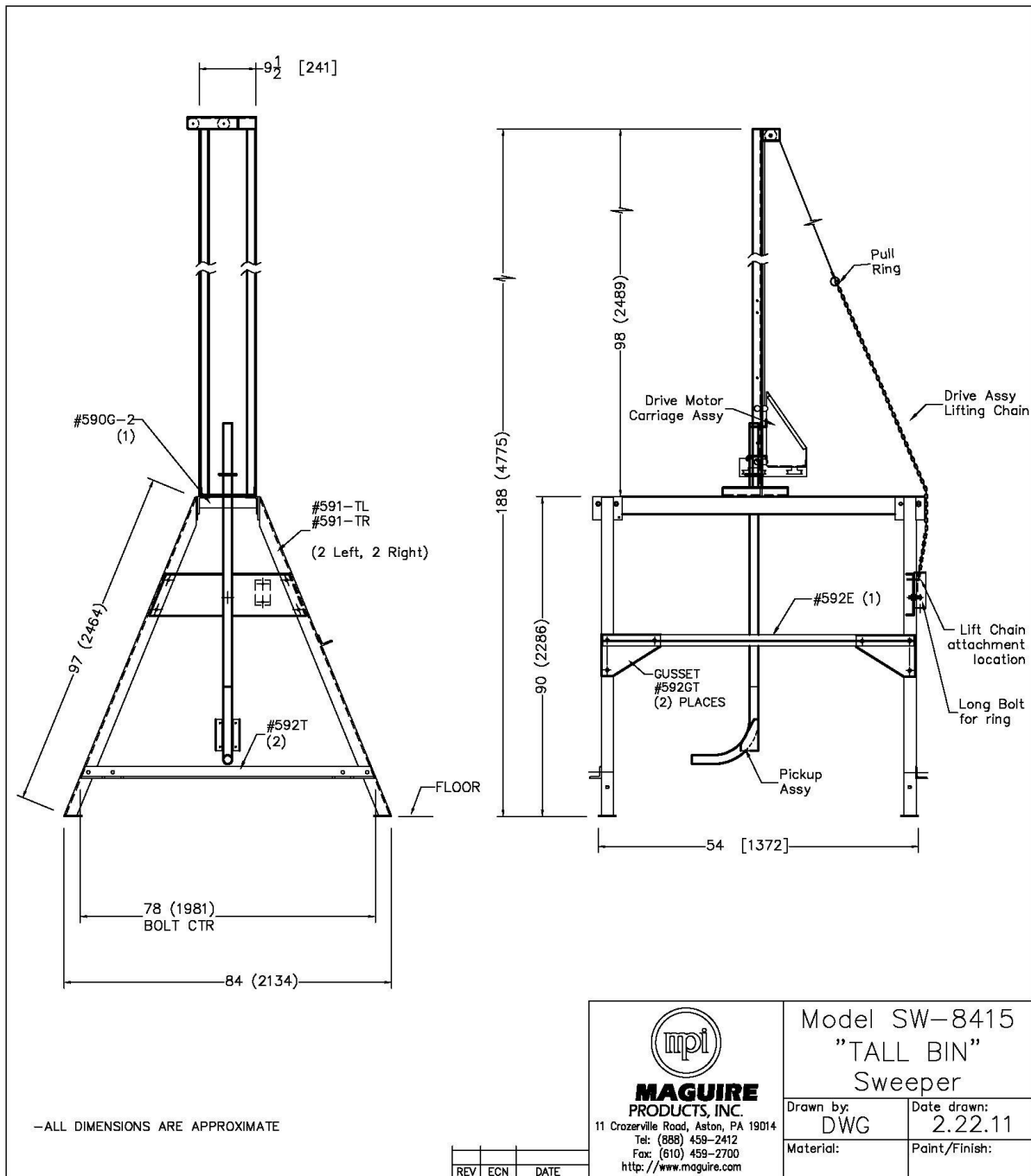
SW Series 8415, 8420, 8425 Sweeper Setup

Assembly of the Sweeper consists of the following separate steps:

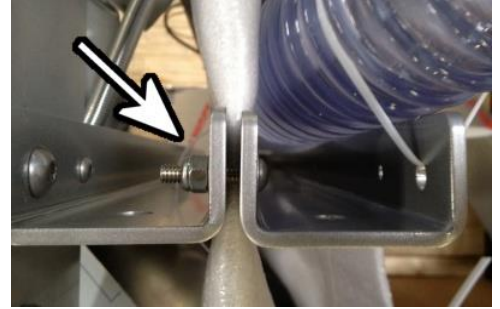
1. Assemble the stand
2. Bolt the vertical assembly to the frame.
3. Attach the control panel to the frame
4. Attach the pick-up tube assembly

STEP 1 - ASSEMBLE THE STAND

Refer to drawings for identification and location of parts & hardware. The rear stop bar can be placed in an upper or lower position to suit the dimensions of the material Gaylord.



For models using the two-piece vertical assembly, remove the shipping material and quick ties. Remove the shipping bolt located at the top of the vertical assembly. (See image to the right).

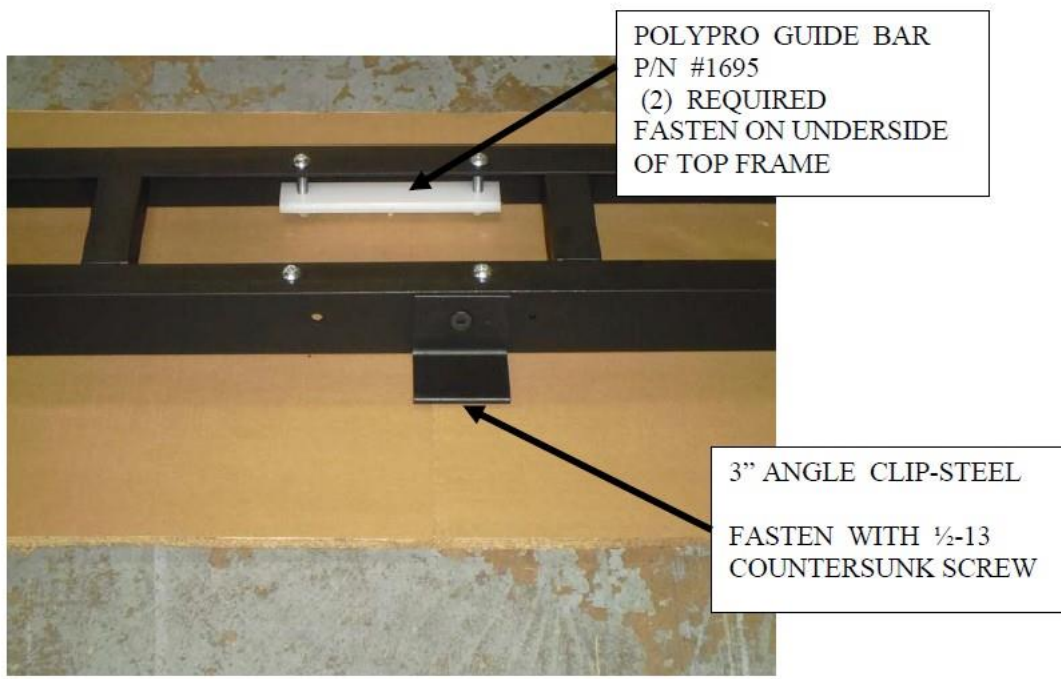


Raise the upper half of the vertical assembly and using the supplied hardware, connect the marked holes A to A, B to B. Do not rotate or twist the counter weight cables when raising the upper assembly.

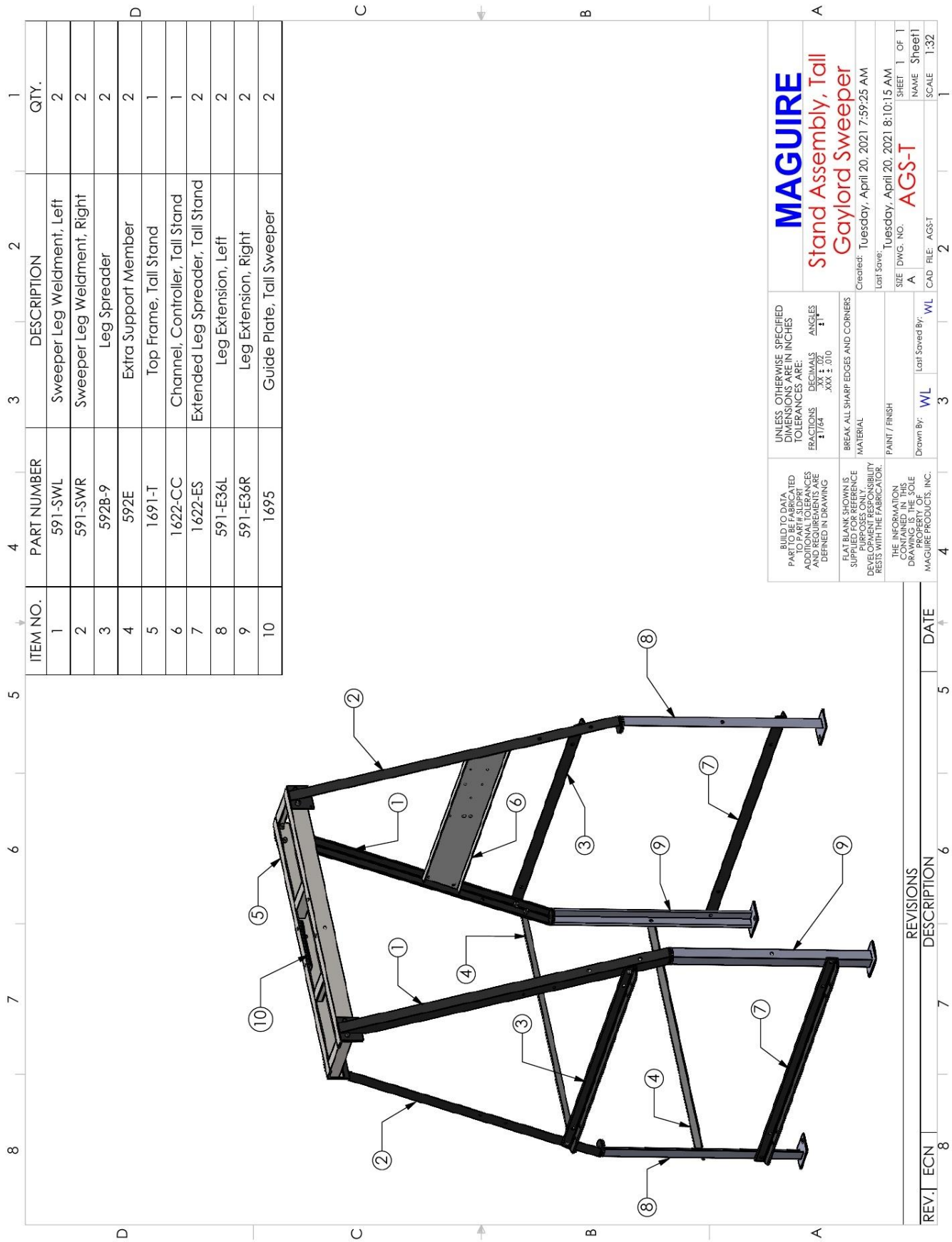


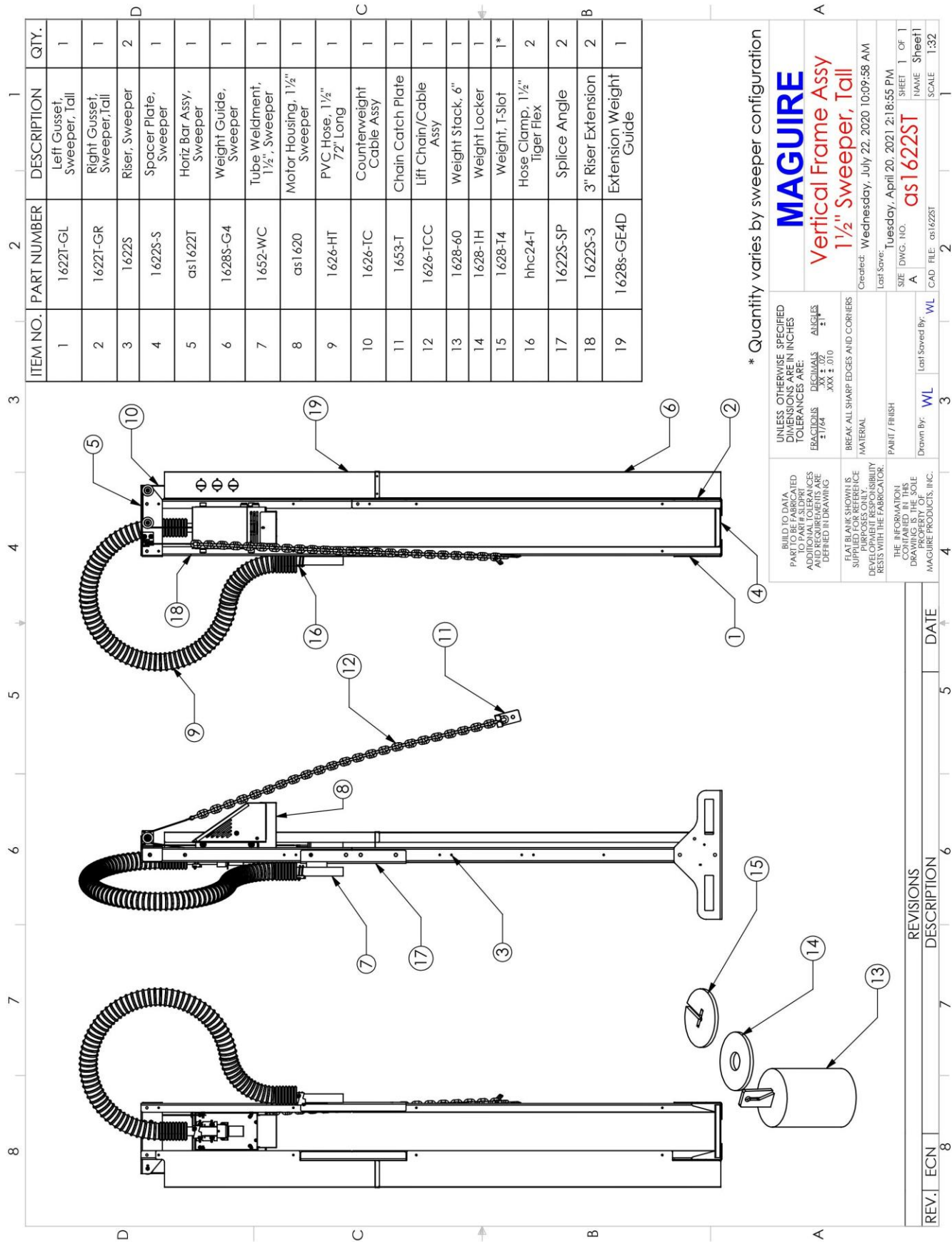
INSTALLATION OF ANGLE CLIP & J-TUBE GUIDE

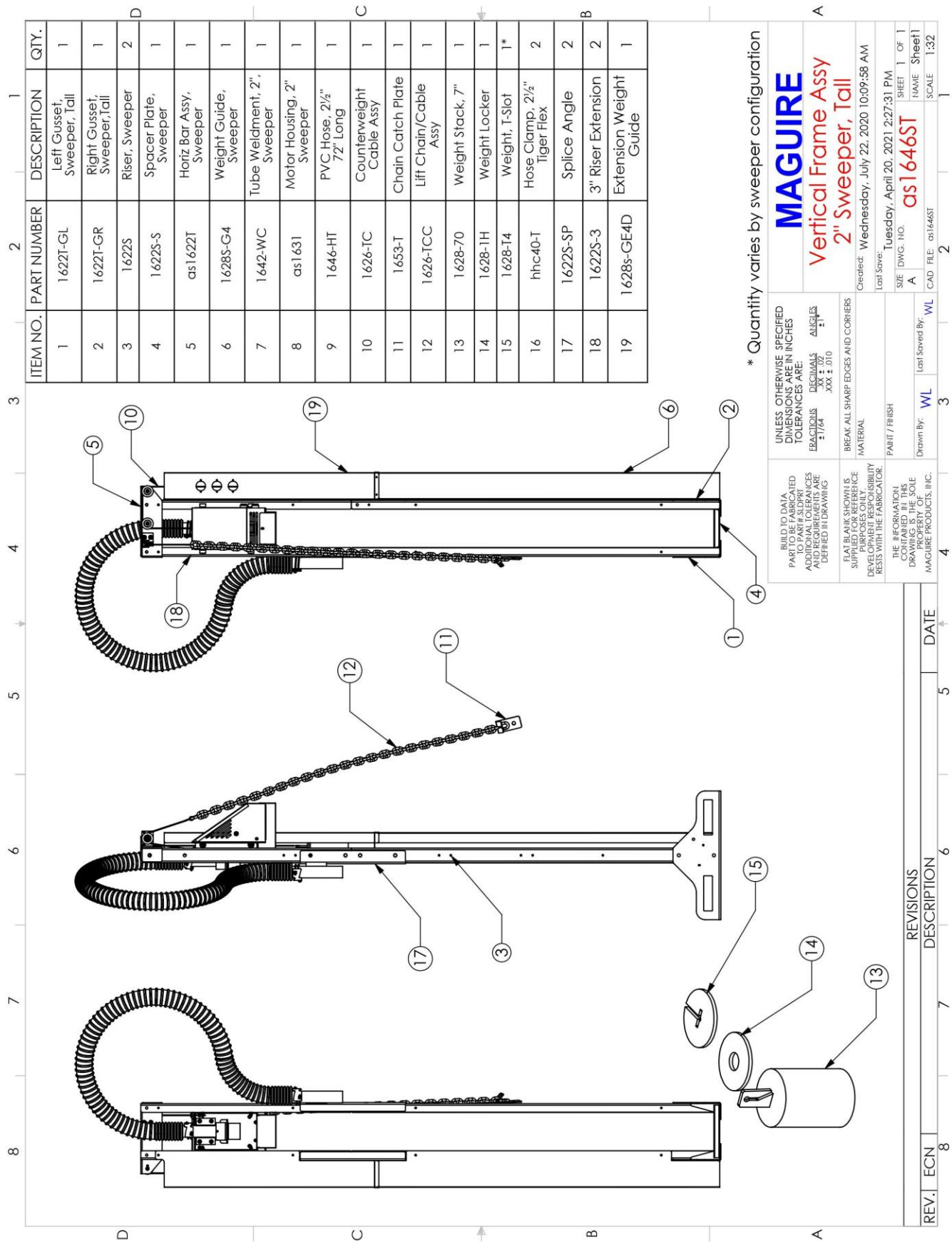
TALL SWEEPER MODEL SW-8400 SERIES

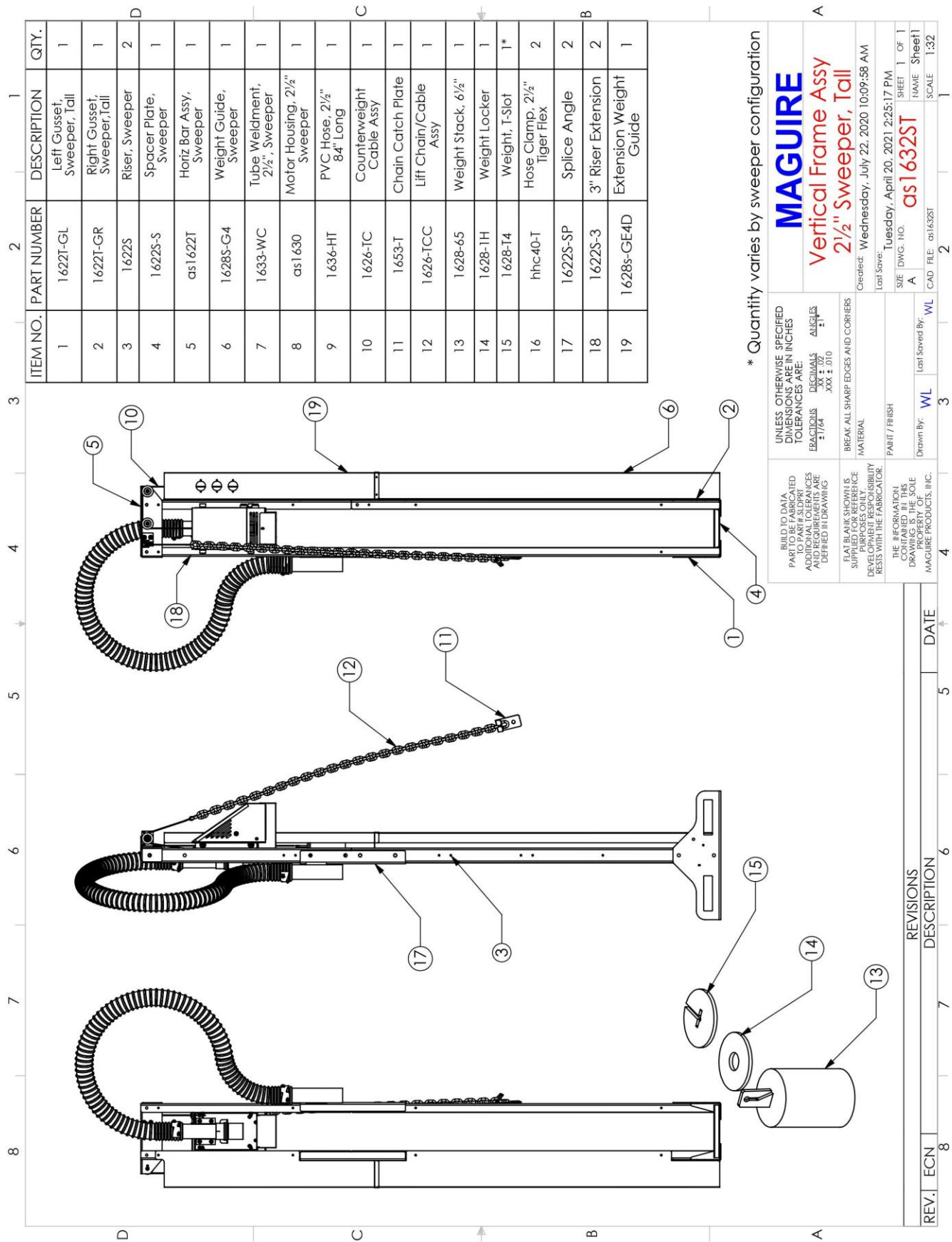


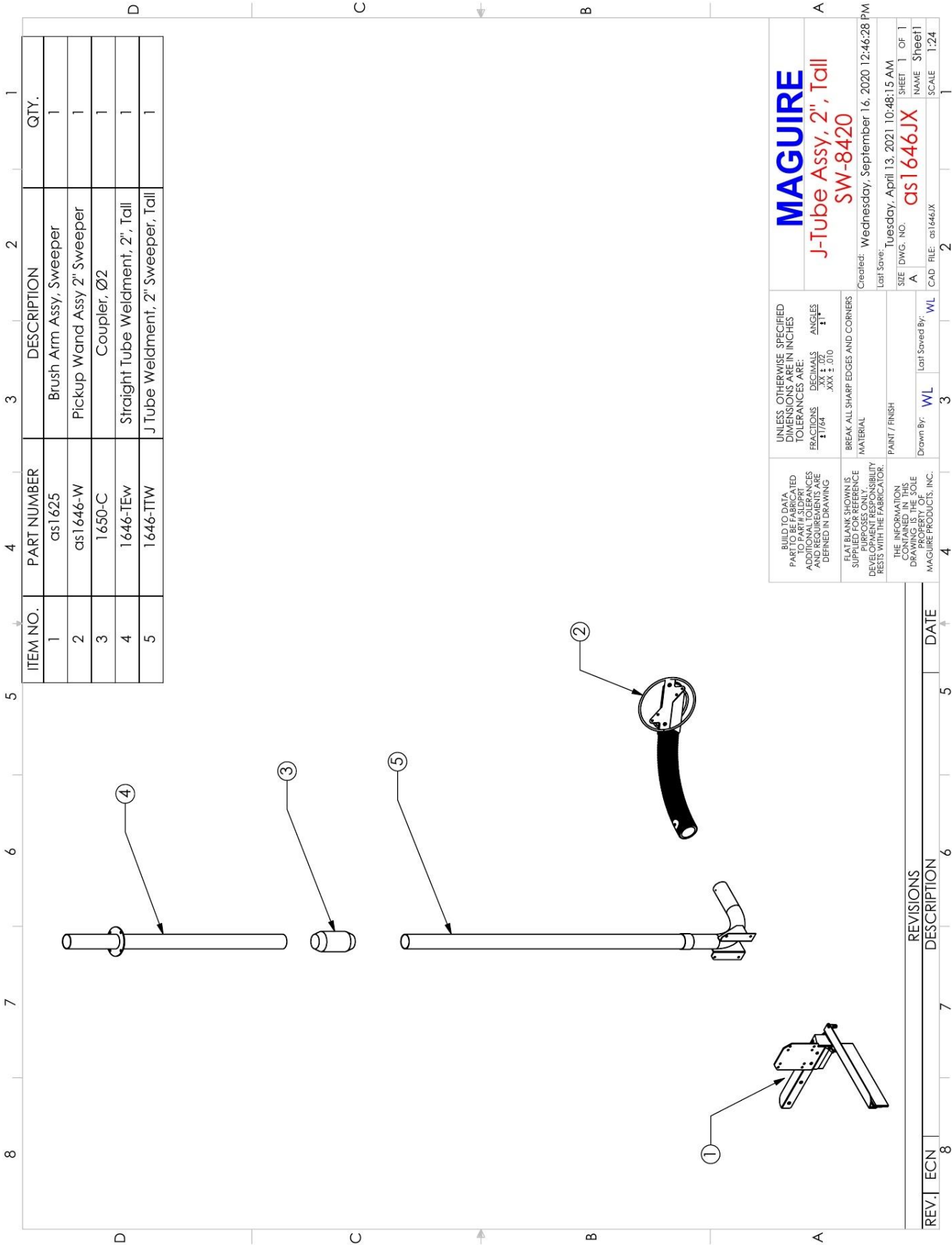
*TOP VIEW OF FRAME WITHOUT
SWEEPER ASSY IN PLACE*

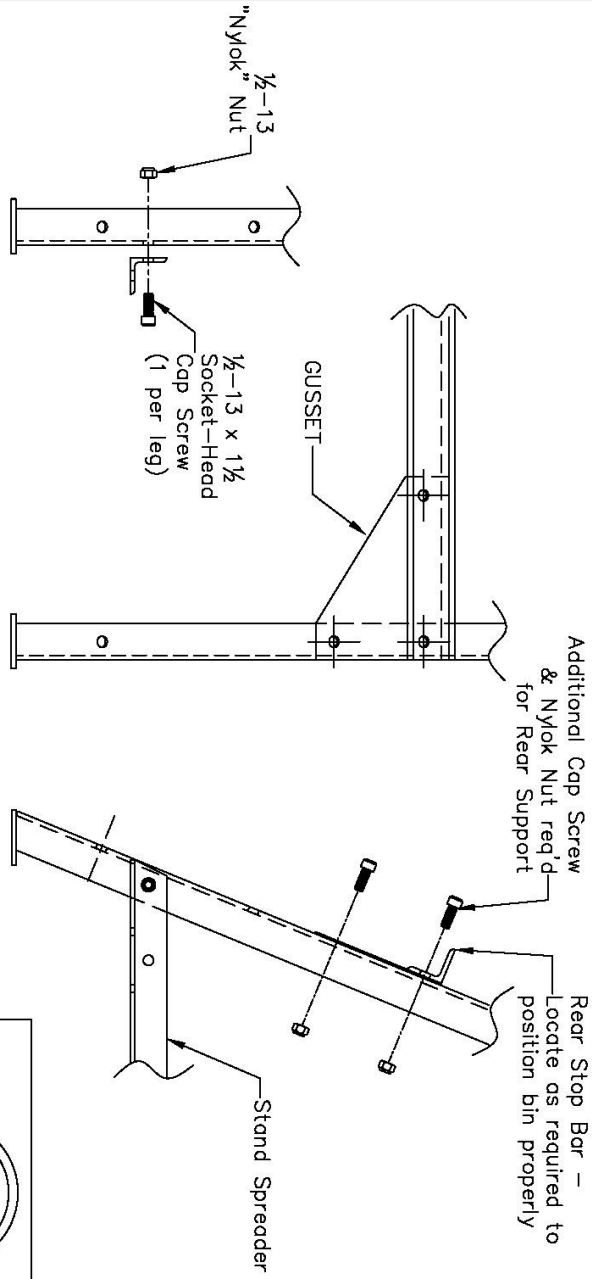
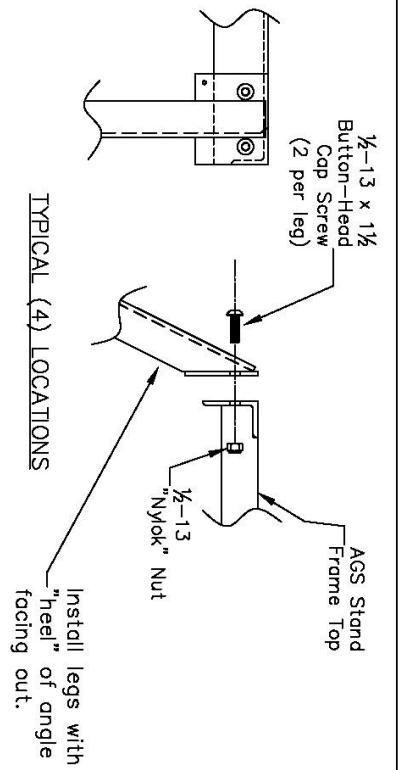
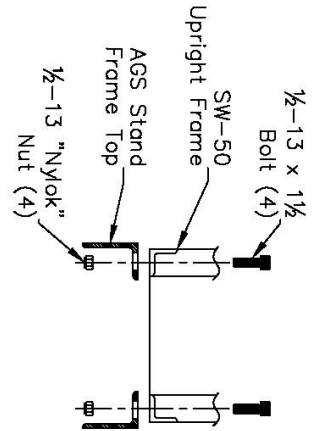










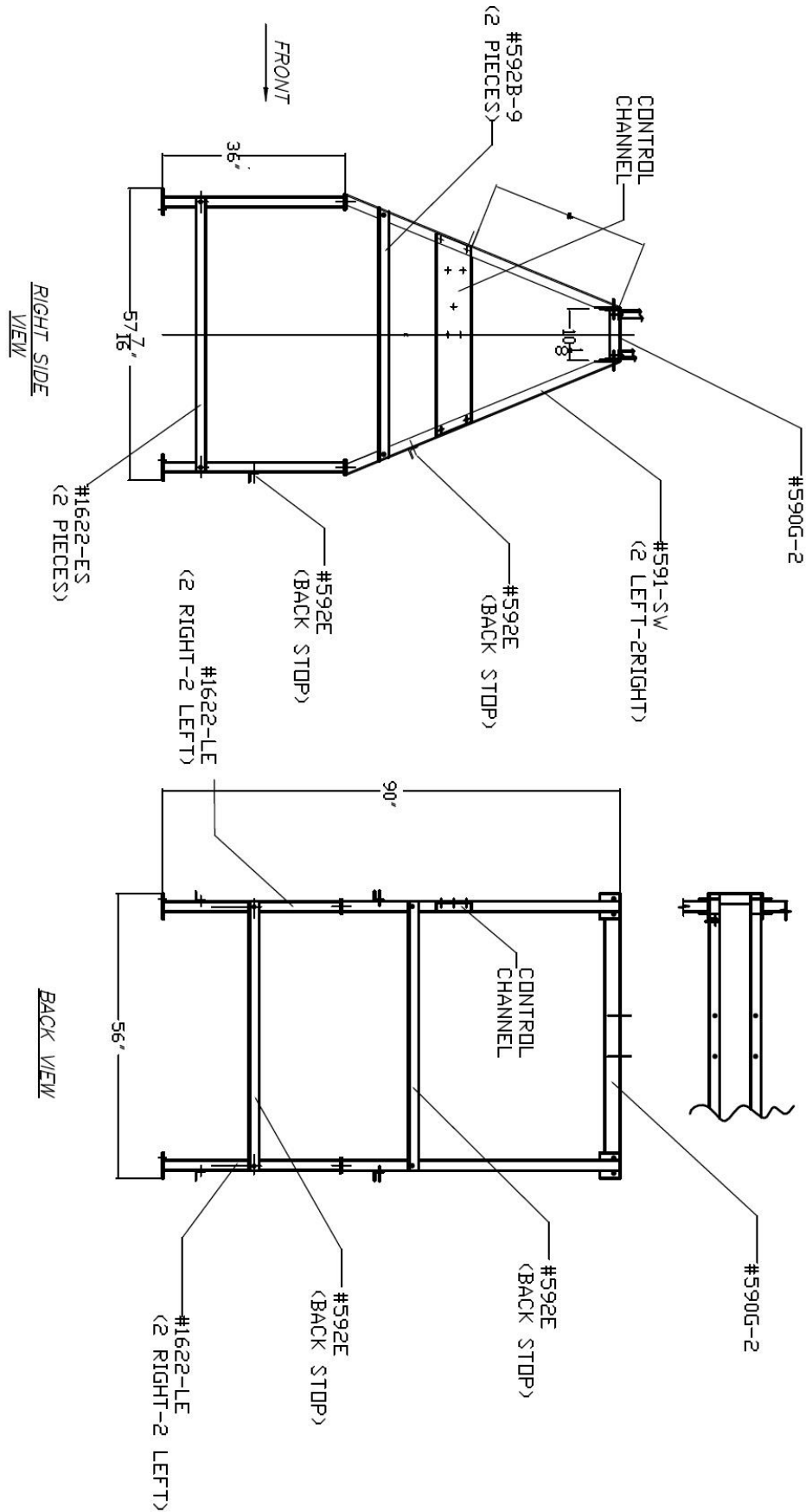


MAGUIRE PRODUCTS, INC.
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Fax 610-459-2700

SW-8425 Frame Typical Assembly Instructions

Drawn by: **DWG** Date drawn: **2/22/11**

Material: Finish:



tol/standwext



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PRODUCTS, INC.

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PART # AGS-T
ASSEMBLY-T
TALL STAND,

Drawn by:

DWG

Date drawn:

7.26.11

Material:

XXXXXX

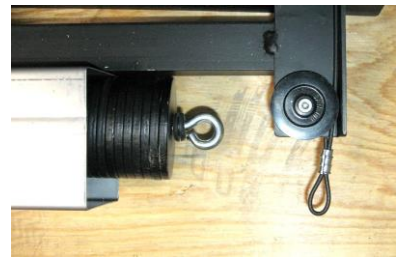
Paint/Finish:

XXXX

SECOND STEP – INSTALL COUNTERWEIGHT ASSEMBLY

Before installing the Vertical Assembly onto the frame, the counterweight assembly must be installed into the counterweight guard and attached to the pulley system. The counterweight assembly is pre-weighted with approximately the correct amount of weight.

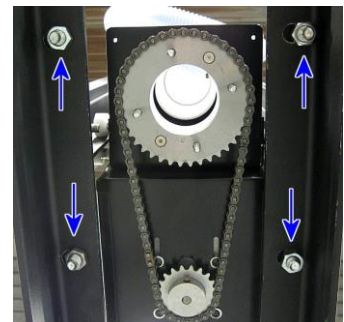
1. With the vertical assembly lying on the floor, slide the counterweight assembly into the counterweight guard. Orient the counterweight assembly so that the eyebolt is inserted first.
2. Slide the counterweight assembly all the way up to the pulley (top of vertical assembly).
3. Attach the cable loop to the counterweight's eyebolt.



SECOND STEP - BOLT THE VERTICAL ASSEMBLY TO STAND

8. Install the Vertical Assembly on top of the frame using the four ½"x1.5" bolts. Refer to enclosed drawing for identification and location of parts & hardware.

Orient the front or sloped side of the sweeper assembly cover so that it faces the side of the sweeper where you want to place the control panel and lifting chain.



9. Install the counterweight safety stop bolt below the counterweight guard.

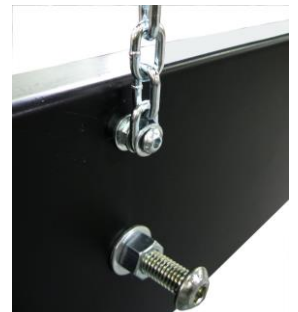


THIRD STEP – ATTACH THE CONTROL PANEL TO FRAME

1. The control panel is pre-wired to the Vertical Assembly. After the Vertical Assembly is secured to the frame, attach the control panel to the inside of the frame using the pre-drilled frame holes and the included four 3/8x1.5 inch buttonhead screws. Note: The control panel should be installed on the same side as the sweeper assembly cover located above.
2. Secure the power box cable to the frame using the included p-clips. There are four pre-drilled and tapped holes in the frame leading from the vertical assembly to the control panel. Attach the cable to the frame using these four holes and four p-clips.
3. Attach the lifting chain and o-ring bolt to the control panel.



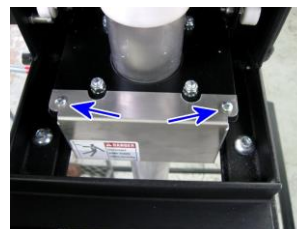
P-clips to secure wire



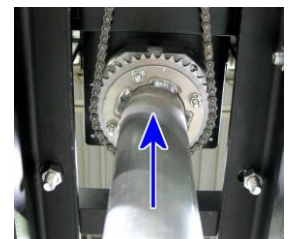
Lifting Chain & o-ring bolt

FOURTH STEP – ATTACH THE PICK-UP TUBE ASSEMBLY

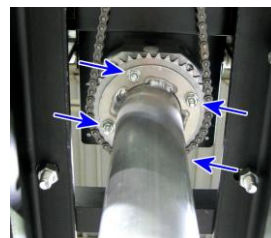
1. First, remove the aluminum end guard by removing the two machine screws (see photo). Allow the clear Lexan® chain guard to hang down. It is not necessary to remove the Lexan® chain guard.
2. Remove the four (4) locknuts and washers that are attached to the sprocket hub assembly.
3. Raise the motor control assembly to allow for clearance to insert the pick up tube assembly. Slowly, push upward until the flange is seated firmly against the sprocket hub assembly.
4. Reinstall and tighten the four 1/4-20 locknuts and washers.
5. Reinstall the aluminum end guard. Do not over tighten screws. Note: Be sure there is clearance between Gaylord frame top member.



(2) Remove end guard



(4) Insert pickup tube



(5) Reinstall washers, locknuts



(6) Reinstall end guard

Drive Chain Adjustment

If the chain needs adjustment, remove the clear Lexan® portion of the chain guard. Loosen the (4) four machine screws. Apply pressure to the rear of the motor (This will apply tension to the chain and sprocket). Do not apply too much force to the chain tension. Then tighten the (4) screws at the bottom of the motor / bracket assembly. Re-install the clear Lexan® belt guard.

Counter balance weights

The unit has a counterbalance system that is set at the factory. We have included additional weights, with your unit. The additional weights are fastened to the side of the frame on the control panel (next to power box). Each weight weighs approximately ½ pound. If additional weight is needed to offset the density of the material that you are using we have included these weight discs to use if necessary.

Controls

The main power switch is remotely located on the side control panel at eye level. The Jog button is located on both the side control panel and at the base of the vertical frame member. When the power is turned “ON” the green indicator light will glow indicating power is on. The yellow indicator light directly below the green indicator light will indicate when the vacuum is present. The JOG button rotates the sweeper mechanism into a convenient position if required. When the JOG button is depressed this yellow indicator light will glow.



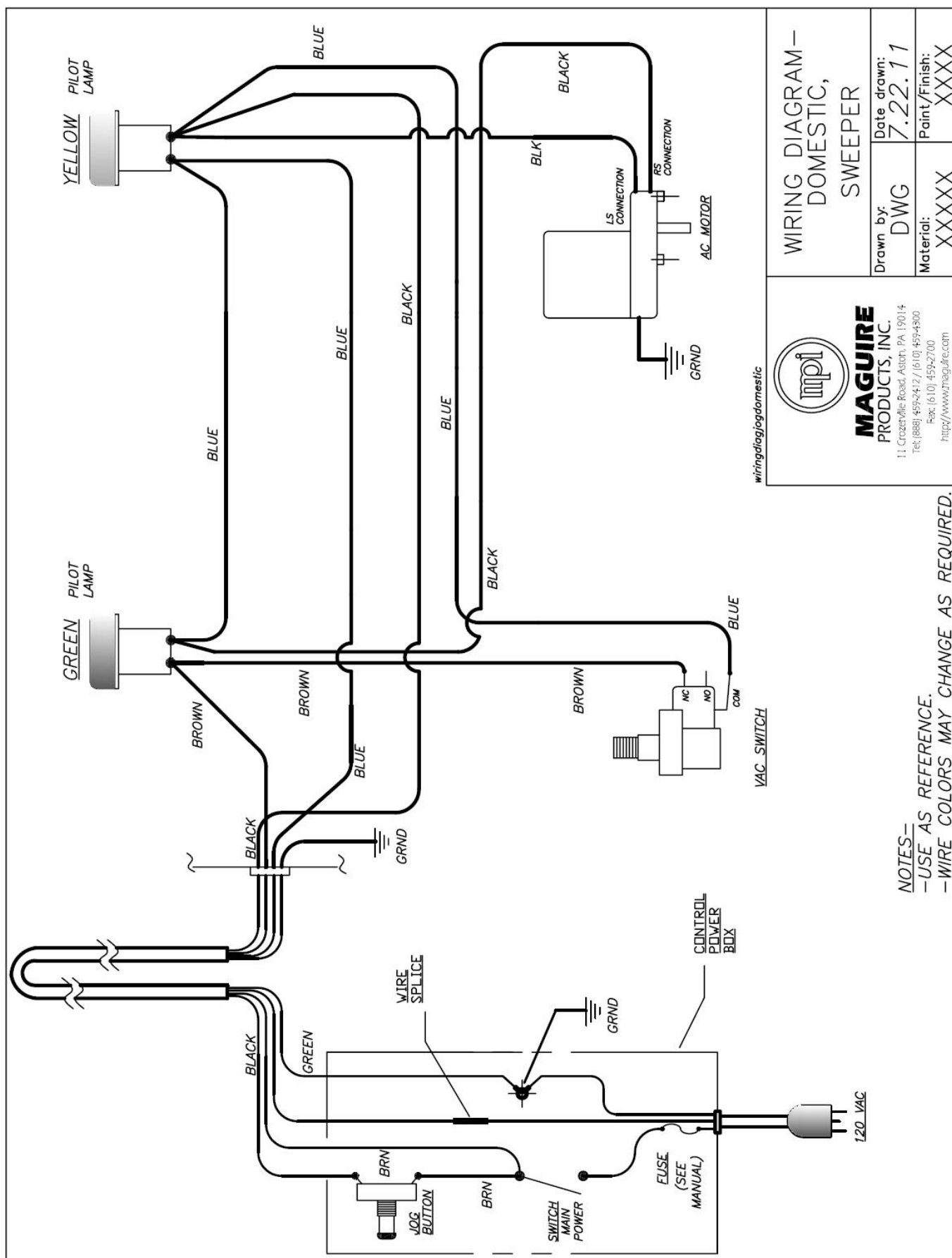
Fuse Location

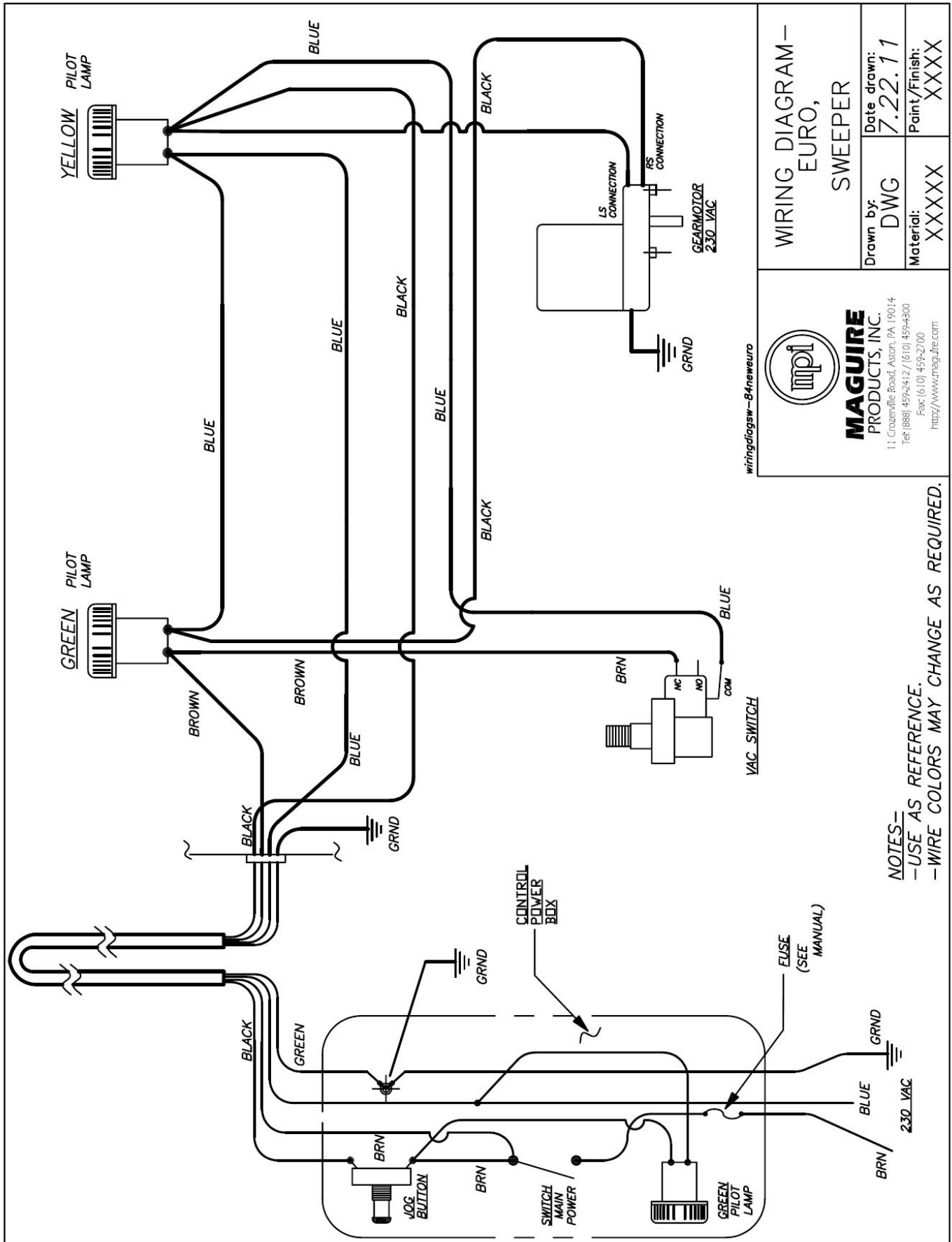
The 2 amp control circuit fuse is located within the Main Power switch box.

Vacuum Switch

The vacuum switch is also located under the aluminum motor cover. This switch activates the motor control circuit as soon as it “sees” vacuum in the material line. It is factory preset.

SW 8415, 8420, 8425 Wiring Diagrams





wiringdiagsw-84neweuro



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WIRING DIAGRAM—
EURO,
SWEEPER

Drawn by:	Date drawn:
DWG	7.22.11
Material:	Paint/Finish:
XXXXX	XXXX

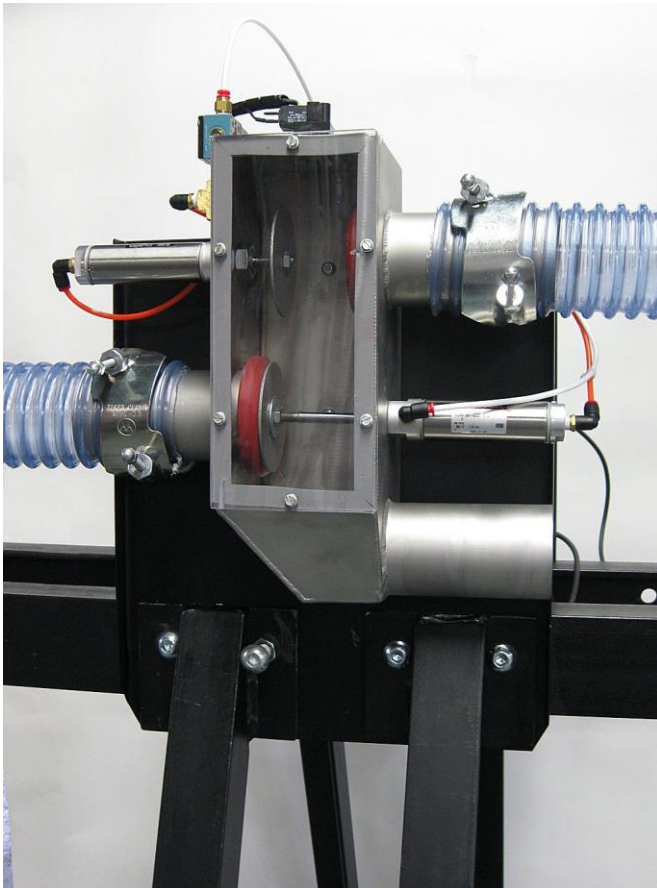
NOTES—
—USE AS REFERENCE.
—WIRE COLORS MAY CHANGE AS REQUIRED.

Sweeper Dual Control System Basic Operation

The Maguire Sweeper Dual Control System uses two Maguire SW Series Sweepers interconnected using a centrally located diverter control valve. The material flow is isolated to one gaylord at a time, and then automatically detects when a Maguire SW Sweeper has reached near the bottom of a gaylord of material. When the bottom is reached and material is nearly depleted, the Dual Control System will automatically switch to a second SW Sweeper over a gaylord of material enabling the operator to replace the emptied gaylord without disruption.



The Maguire Sweeper Dual Control System has a built in function allowing the operator to set a delay count in loader cycles before switching to the alternate sweeper. This allows the sweeper to evacuate the optimal amount of material without running dry, and then automatically switch sweepers and load from a new gaylord. In the event that material is not available in the second gaylord, the Sweeper Dual Control System will alarm, alerting the operator.



For models SW-4815, SW-4820 and SW-4825

Sweeper Dual Control System Setup

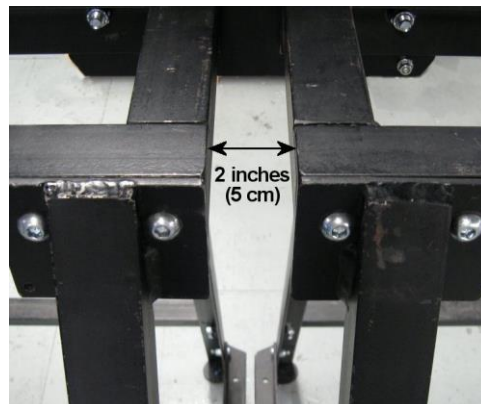
The Sweeper Dual Control kit consists of the following:

- Control Box Assembly
- Diverter Valve Assembly
- 2 lengths of 2 ½" Tigerflex hose, 39" for Sweeper #1, 45" for Sweeper #2
- 4 – Tigerflex hose clamps
- 2 – sensors with installation hardware
- 2 – sensor mounting brackets and hardware
- 14 adhesive backed mounts and wire ties

FIRST STEP – Position the Stands

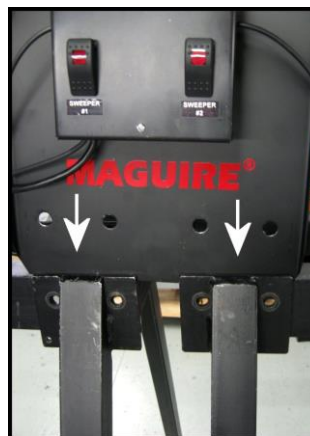
The Sweeper Dual Control is designed to attach two SW Sweepers together side by side. The Control Box Assembly and the Diverter Valve Assembly will be bolted to the two SW Sweeper frames using the existing Sweeper stand button-head cap screws located at the top of the stand legs. The Control Box Assembly will be attached to the open side of the frame (front-side), the same side that the gaylord enters. The Diverter Valve Assembly will be attached to the back-side of the frames, same side that the vacuum convey lines are located.

1. Position the two SW Sweepers side-by-side with the open side of the frames on the same side. Separate the frames so that the top of the sweeper frames are 2 inches apart.



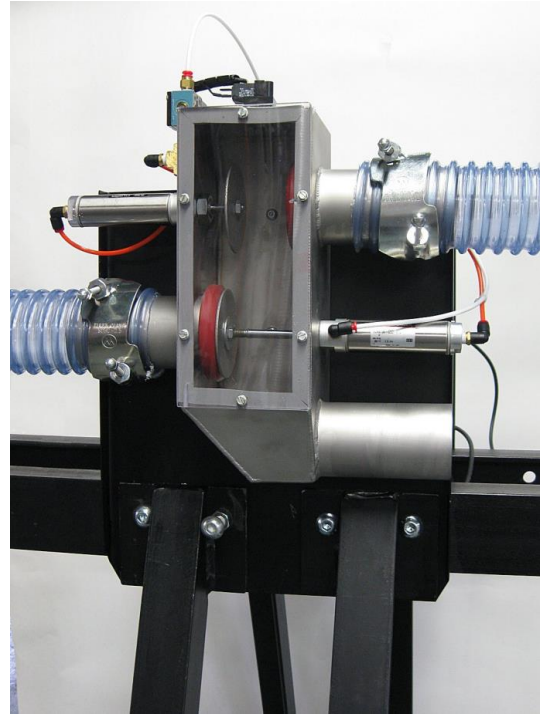
SECOND STEP – Install Control Assembly

2. On the front side of the frame, remove the four bolts that hold the top of the legs to the top frame. DO NOT remove the rear bolts at this time.
3. Slide the control panel down between the legs of both sweepers and the AGS Stand Frame Tops.
4. Re-install the four socket-head cap screws.
5. Relocate the drive assembly lifting chain to the front panel.



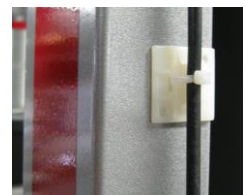
THIRD STEP – Install Diverter Valve Assembly

6. Locate the backside of the sweeper frames.
7. Remove the four bolts that hold the top of the legs to the AGS Stand Frame Top. Remove the bolt that retains the lifting chain to the leg (if this has not been done already in step 2 above).
8. Slide the Diverter Valve Assembly down between the legs of both sweepers and the AGS Stand Frame Tops.
9. Re-install the four button-head cap screws.
10. Leave the drive assembly lifting chain disconnected for now. The lifting chain will be relocated to the front control panel. (see photo on page 6).



FOURTH STEP – Install Counter-weight Sensors

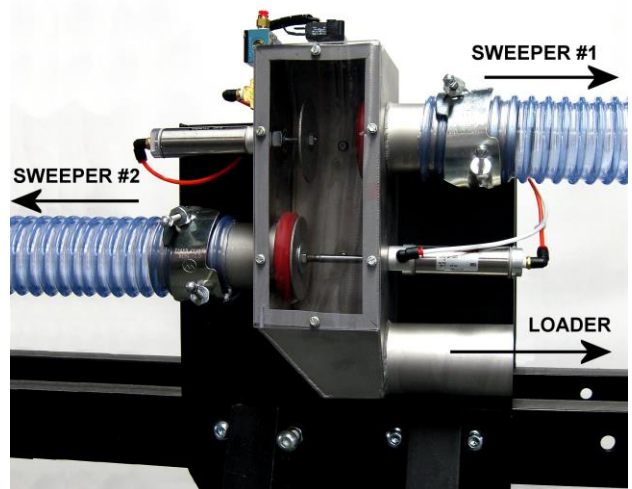
11. Locate the pre-drilled holes on top of the counter-weight covers of each Sweeper. The Sensor Bracket should be pre-installed on the center set of pre-drill holes. (Note: The sensor height location can be adjusted to trigger earlier or later in the material consumption).
12. Install the Sweeper #1 sensor (sensor wire located on left side of control panel) onto the sensor bracket of the #1 Sweeper located to the left of the control panel. Adjust sensor distance from counter-weights so that the weight does not come into contact with the sensor at any time. Push the counterweight towards sensor to check clearance.
13. Install the Sweeper #2 sensor (sensor wire located on right side of control panel) onto the sensor bracket of the #2 Sweeper located to the right of the control panel. Adjust sensor distance from counter-weights so that the weight does not come into contact with the sensor at any time. Push the counterweight towards sensor to check clearance.
14. Using the supplied self-adhesive wire-ties, secure the sensor wires to the counter-weight guard (4 per cover), and to the stand frame leading up to the control box.



FIFTH STEP – Install Connections

Vacuum Convey Hoses

15. Install the two (2) supplied 2½" Tigerflex hoses to the two Diverter Valve Assembly inlets that opposite the air cylinders using the supplied Tigerflex hose clamps (See illustrations to the right). The opposite end of each 2½" Tigerflex hose will attach to the Sweeper on that side of the Diverter Valve Assembly. Attached your loader's material convey line to the bottom outlet tube. The 39" section of Tigerflex hose connects to Sweeper #1. The 45" section of Tigerflex hose connects to Sweeper #2.



IMPORTANT: Check the vertical movement clearance between the Sweepers section of Tigerflex Hose on the carriage assembly and the sensor on each Sweeper. Make certain that this hose does not make contact with the sensor when the Drive Motor Carriage Assembly is elevated. If necessary, adjust the Tigerflex hose by loosening the clamp and rotating the hose on the Drive Motor Carriage.

Install Air Supply Line

16. Attach an air hose to the air inlet located at the top of the Diverter Valve Assembly. 80 psi air supply must be free of oil and moisture.



Connect Control Box

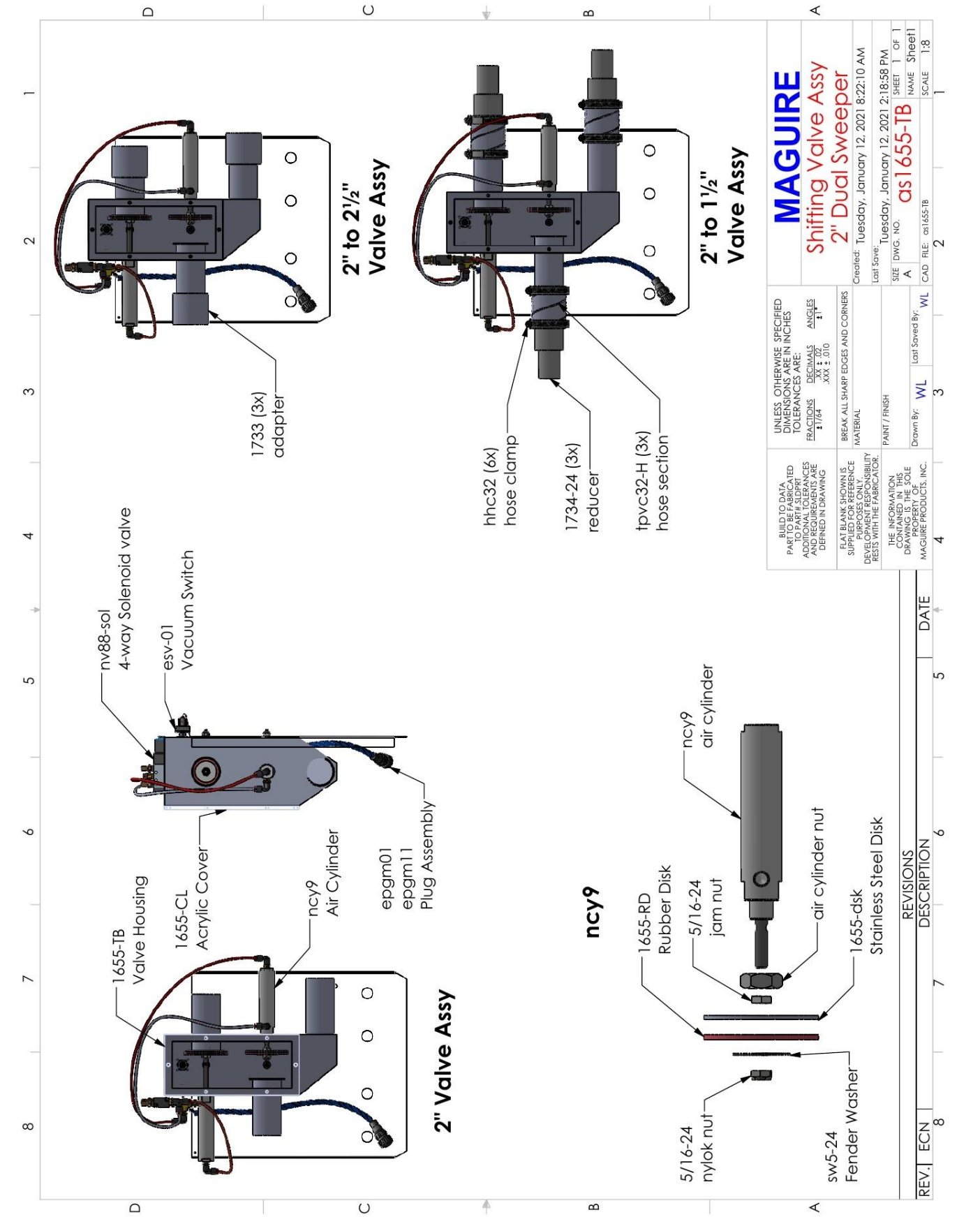
17. Attach the Control Box Assembly cable to the Diverter Valve Assembly cable.
18. Connect to 110V power.



Sensor Adjustment

19. To adjust the sensor, please refer to the supplied Capacitive Sensor Installation and Adjustment Guide.





BUILD TO DATA PART TO BE FABRICATED ADDITIONAL DIMENSIONS AND REQUIREMENTS ARE DEFINED IN DRAWING	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/64 DECIMALS ± .02 ANGLES ± 1°	
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Sweeper Dual Control System Operation and Control Panel

The Sweeper Dual Control System is designed to operate independently of the Sweepers. The Sweeper Dual Control System detects when a low material level is reached and automatically switches a second Sweeper that is ready with material.

Below is a brief description of the control panel:

#1 #2	LED lights indicating which sweeper is currently active.
COUNT	Count is a countdown of loader cycles detected by a vacuum switch before the Sweeper Dual Control System switches sweepers. The COUNT LED light indicating that the count is active and currently counting down.
CHG SWEEP	Green button to manually change sweepers. Changing sweepers deactivates count.
SET COUNT	Black button to set the count (0-20).
SILENCE ALARM	Yellow button to silence the alarm beeper and turns off the strobe light.
SWEEPER #1	Toggle button to turn on/off control to Sweeper #1. Powers on/off #1 level sensor).
SWEEPER #2	Toggle button to turn on/off control to Sweeper #2. Powers on/off #2 level sensor.



Count Function – The operator can optionally set a count of loader cycles (detected by a vacuum switch). When the count is set to a value of 1-20 and a sensor is activated on the operating sweeper, the Dual Control System will delay switching to the next sweeper until the count elapses. This function allows the sweeper to evacuate remaining material within the gaylord and also allows time for the operator to respond to a potential alarm condition where the second sweeper may not have material ready.

Alarm Condition – When the sensor of the operating sweeper becomes active (gaylord is nearing empty and sensor is covered by the counter-weight), the system will look at the other sweeper sensor. If the other sweeper sensor is also active (material not present), the alarm will sound and the strobe will blink, alerting the operator that material is not present in the second sweeper. The alarm condition will be active until the Silence Alarm button silences it or the sensor on the second sweeper is deactivated (uncovered) indicating material is present. If the SWEEPER #1 or #2 toggle buttons are in the off position, when it becomes time to switch to that sweeper, the alarm will also sound.

Basic Operation of the Sweeper Dual Control System

1. Turn ON both Sweeper toggle switches (SWEEPER #1, SWEEPER #2)
2. If a delay is desired before switching sweepers a Count of loader vacuum cycles can be set by pressing the SET COUNT button to set or change the number of vacuum cycles. If a count is not desired, set this value to zero (0).
3. Using the CHG SWEEP button (Change Sweeper) switch the Sweeper Dual Control System to a gaylord containing material. LED #1 or #2 will light on the control panel indicating which sweeper will be in operation.
4. When material has been depleted and the counter-weight sensor is activated the following will occur:

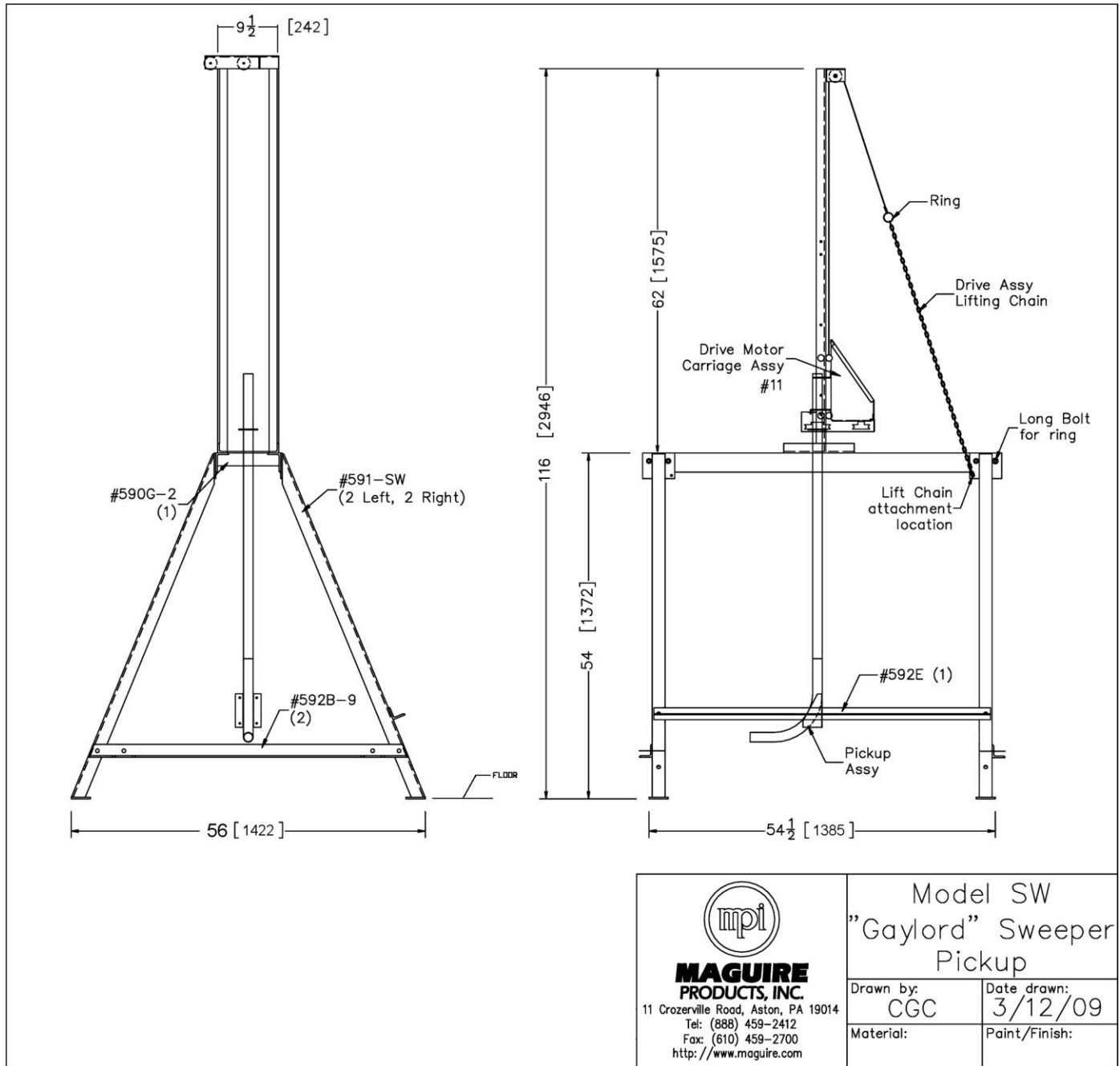
If a count has been set to a value other than zero (0), the Dual Control System will begin the countdown of vacuum cycles and the COUNT LED will illuminate. After the count has elapsed, the Dual Control System will automatically switch to the other sweeper. If no count has been set, the Dual Control System will immediately switch sweepers when the counter-weight sensor is activated.

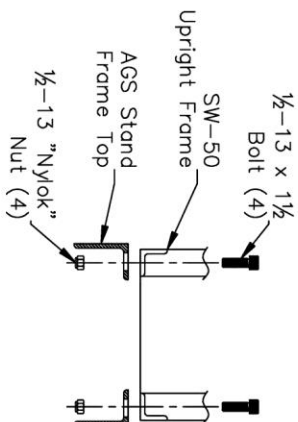
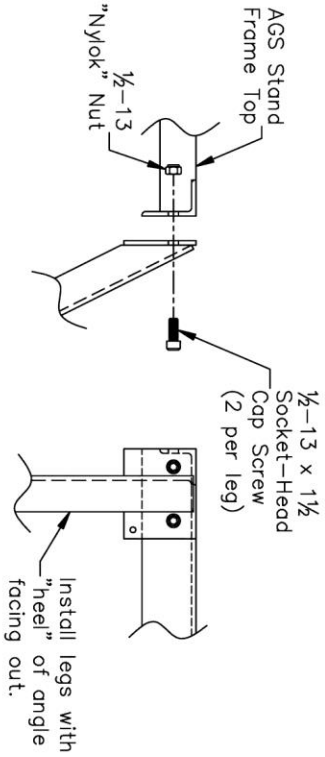
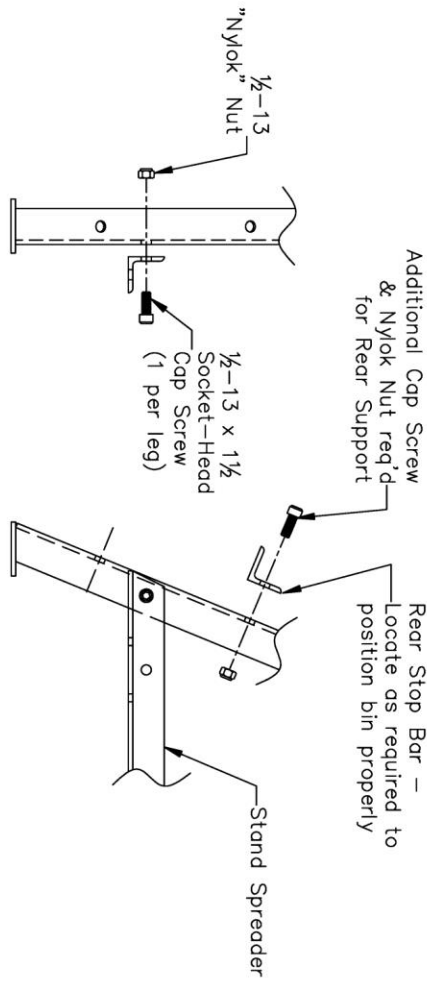
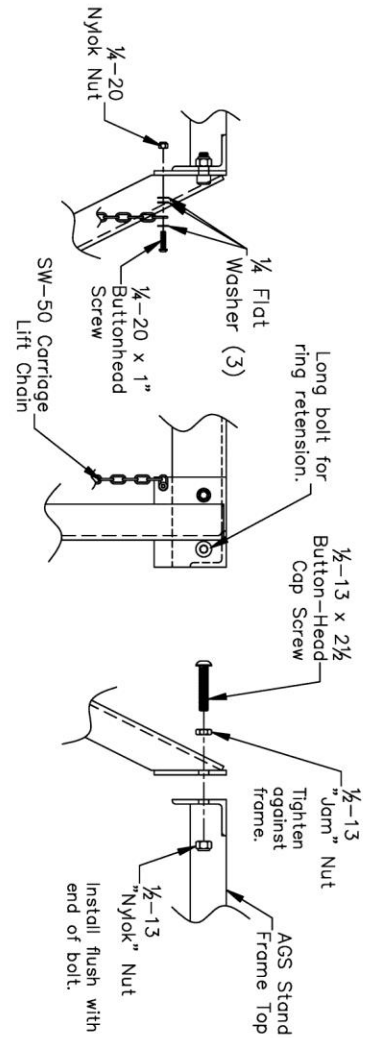
If NO material is present in the second Sweeper:

At the time when the material level of the sweeper reaches a low level and the counter-weight sensor is activated, the Dual Control System will look at the other sensor on the second sweeper. If that sensor is also activated, indicating no material present in the gaylord, the Sweeper Dual Control System will alarm, alerting the operator. If a count of vacuum cycles is set, the Dual Control System will continue to alarm until the second sweeper's sensor is deactivated by: material in the gaylord or the silence alarm button is pressed. The alarm will also sound if the second sweeper's toggle button is set to the off position.

5. After a successful transition to the second sweeper, the operator can remove the empty gaylord and replace it with a full gaylord of material.
6. At any time the operator can:
 - Change the vacuum cycle count.
 - Change Sweeper button (CHG SWEEP) and switch gaylords.

Sweeper Dual Control Diagrams



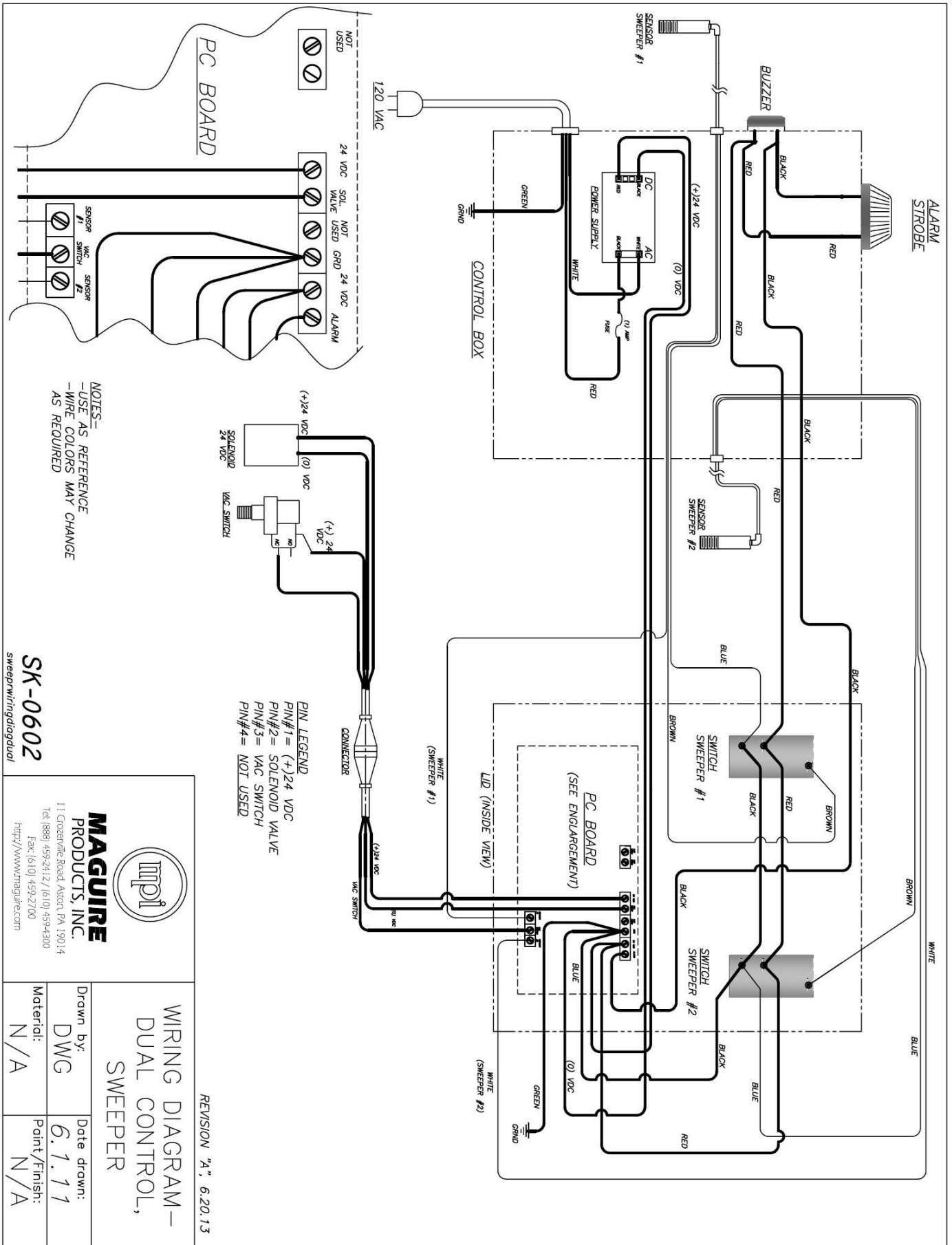


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SW Frame Typical Assembly Instructions

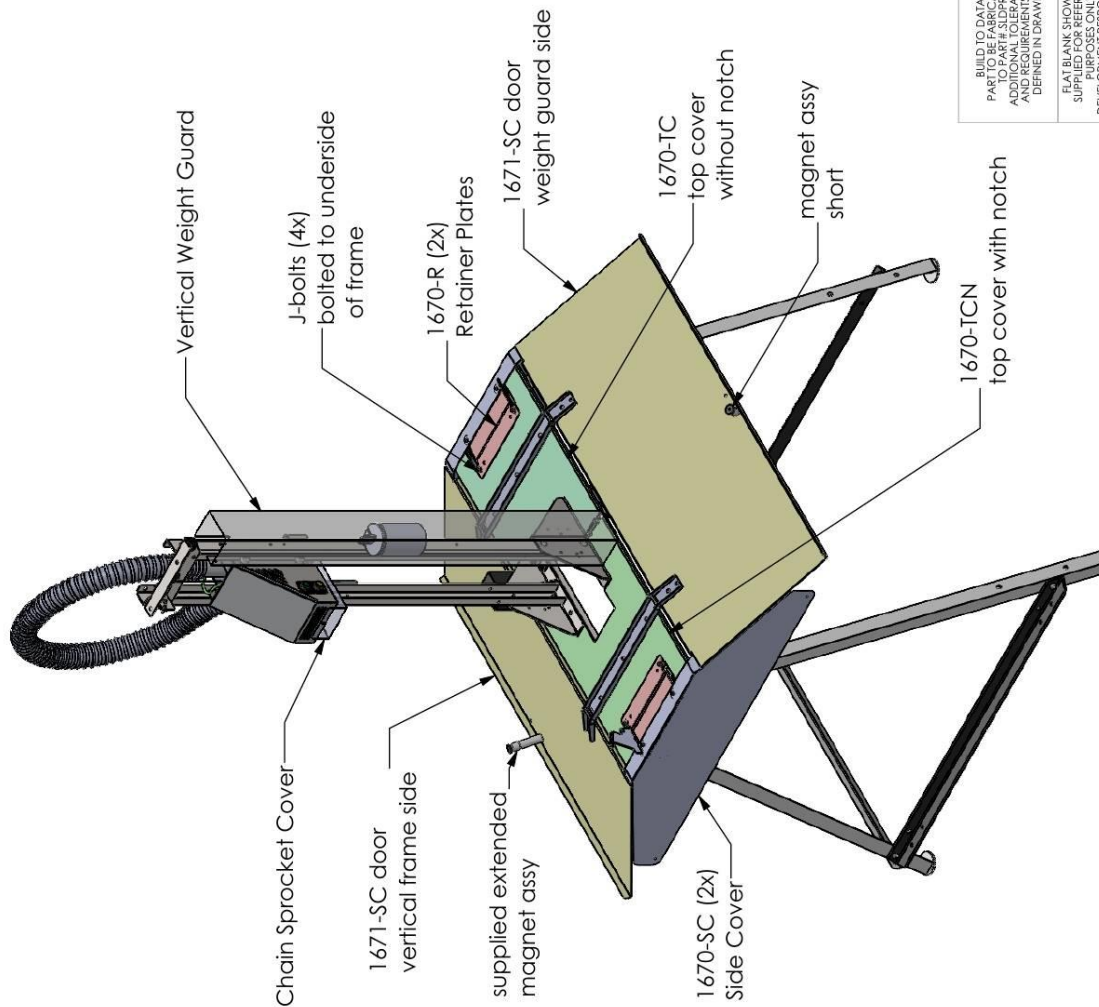
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Material: _____ Finish: _____

Dual Control Wiring Diagram



Sweeper Cover Instructions

1. Disconnect power to sweeper unit.
2. Remove vertical weight guard. It is secured by (2) 1/4-20 BHCS, lock washers and nuts. Place the two (2) clear top covers (1670-TC and 1670-TCN) on top of the gayload frame, one on each side of the vertical sweeper assy. Note that one cover has an additional notch to accommodate the chain sprocket cover. (See Sheet 2, View A)
4. Slide the covers together, and fasten with four (4) 10-24 x 5/8 screws and lock nuts provided.
5. Place two (2) retainer plates (1670-R) one at each end as shown (tab down). Secure with four (4) J-bolt assys. Tighten securely to hold the top clear covers in place. (See Sheet 2, View B)
6. Reinstall the vertical weight guard and secure.
7. Install the two (2) clear hinged covers (1671-SC) with two (2) 1/4-20 x 2 1/2" screws and lock nuts. Fasten through each of the two hinge assys. One cover is marked for **WEIGHT GUARD SIDE**, and the other is marked **VERTICAL FRAME SIDE**. Please use the side that is applicable.
8. Attach extended magnet assy to vertical frame side door. The magnets will line up with both the weight guard and the vertical frame.
9. Fully open doors using magnets to hold doors open, and attach two (2) side covers (1670-SC) to frame. Close doors to rest on side covers.
10. Double check all parts for tightness and alignment.



See sheet 2 for additional views



1670-TCN
top cover with notch

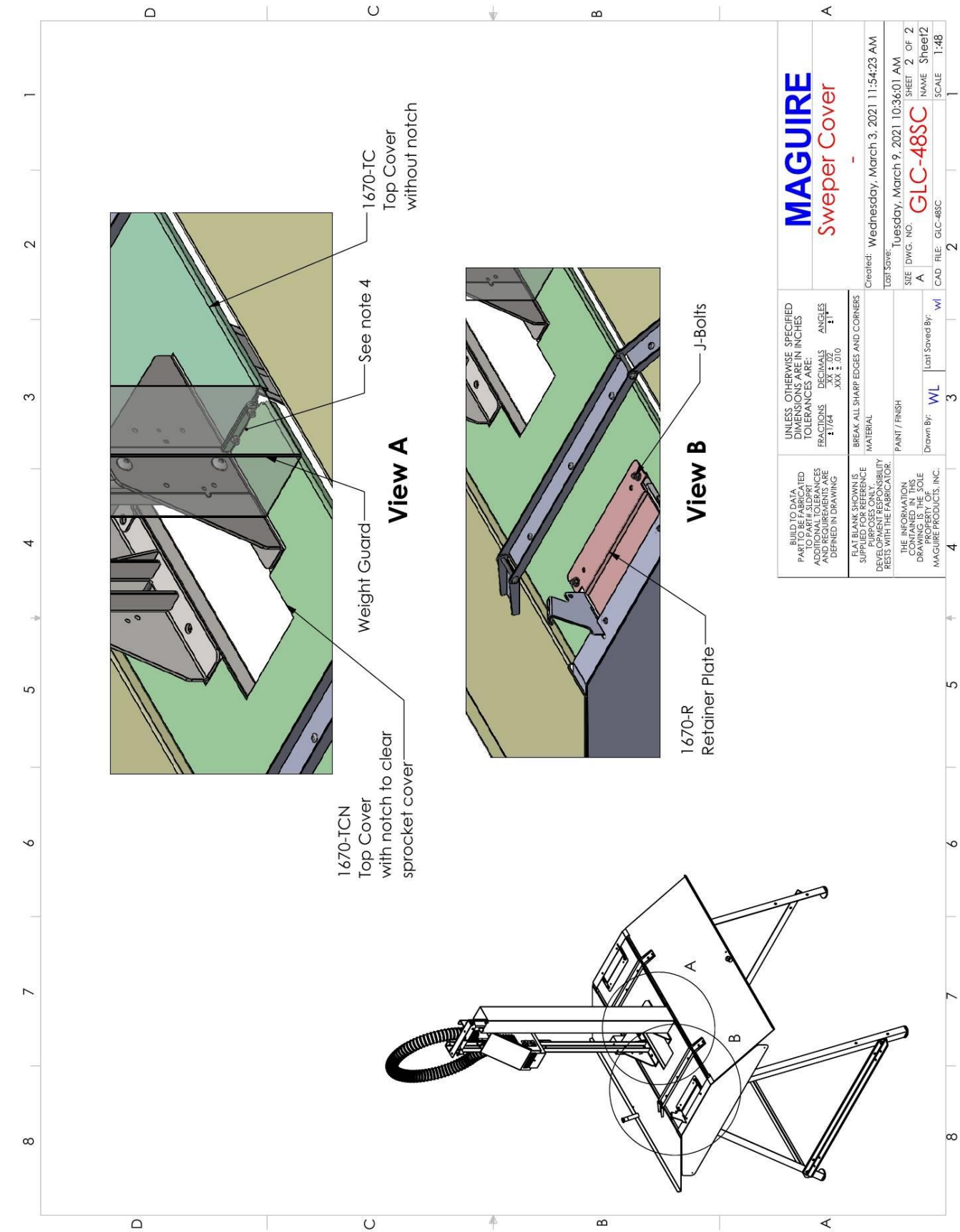
MAGUIRE
Sweeper Cover

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SIDE DWG. NO. **GLC-48SC** SHEET 1 OF 2
 NAME **Sheet1**
 CAD FILE: GLC-48SC SCALE 1:48



Decommissioning and Disposal

Decommissioning the unit: Disconnect the unit from the power supply. Cut all Electrical cables to decommission the equipment. Disposal: Remove plastic parts and dispose of with plastic refuse. Remove electric motor dispose of with metal. Remainder of unit dispose of with metal. Controller: dispose of with electronic waste. Re-cycle any hazardous materials/substances in accordance with the Local & National regulations of the End User e.g. Lithium batteries etc, specific attention should be paid to the European RoHS & WEEE Directives; remove any 'sharps' and dispose of in accordance with Local & National regulations.

Disclaimers

Intended Use - The intended use of the Maguire SW Sweeper is specifically for conveying of raw and recycled plastics materials and plastics additives. The Maguire SW Sweeper should not be used for applications outside of the intended use.

Production of Faulty Product - Processing conditions and materials vary widely from customer to customer and from product to product. It is IMPOSSIBLE for us to anticipate ALL processing conditions and requirements, or to be certain that our equipment will perform properly in all instances. You, the customer, must observe and verify the performance level of our equipment in your plant as part of your overall manufacturing process.

You must verify to your own satisfaction that this level of performance meets your requirements. We CAN NOT be responsible for losses due to product that is blended incorrectly, even when due to equipment malfunction or design incorrect for your requirements; and/or for any consequential losses due to our equipment not blending to your requirements.

We will only be responsible to correct, repair, replace, or accept return for full refund if our equipment fails to perform as designed, or we have inadvertently misrepresented our equipment for your application.

Accuracy of this Manual

We make every effort to keep this manual as correct and current as possible. However, technology and product changes may occur more rapidly than the reprinting of this manual. Generally, modifications made to the Sweeper design or to the operation of the software are may not reflected in the manual for several months. The date of this manual will indicate approximately how current this manual is. Likewise, your blender may have been produced at an earlier time and the information in this manual may not accurately describe your Sweeper since this manual is written for the current line of Sweeper in production (as of the date on the cover). We always reserve the right to make these changes without notice, and we do not guarantee the manual to be entirely accurate. If you question any information in this manual, or find errors, please let us know so that we may make the required corrections or provide you with accurate information. Additionally, we will gladly provide you with an updated copy of any manuals you need at any time. We welcome comments and suggestions on ways we can improve this manual. For additional information, or to download the latest copy of this manual or any other Maguire manual, please visit our website or contact us directly.

WARRANTY - Exclusive 5-Year

MAGUIRE PRODUCTS offers one of the MOST COMPREHENSIVE WARRANTIES in the plastics equipment industry. We warrant each SW Series Sweeper manufactured by us to be free from defects in material and workmanship under normal use and service; our obligation under this warranty being limited to making good at our factory any SW Series Sweeper which shall within FIVE (5) YEARS after delivery to the original purchaser be returned intact to us, transportation charges PREPAID, and which our examination shall disclose to our satisfaction to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part, and MAGUIRE PRODUCTS neither assumes nor authorizes any other persons to assume for it any other liability in connection with the sale of its products.



This warranty shall not apply to any SW Series Sweeper which shall have been repaired or altered outside MAGUIRE PRODUCTS factory, unless such repair or alteration was, in our judgment, not responsible for the failure; nor which has been subject to misuse, negligence or accident, incorrect wiring by others, or installation or use not in accord with instructions furnished by Maguire Products.

Our liability under this warranty will extend only to Feeders that are returned to our factory in Aston, Pennsylvania PREPAID.

It should be noted, however, that we strive to satisfy our customers in whatever manner is deemed most expedient to overcome any problems they may have in connection with our equipment.

Technical Support and Contact Information

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