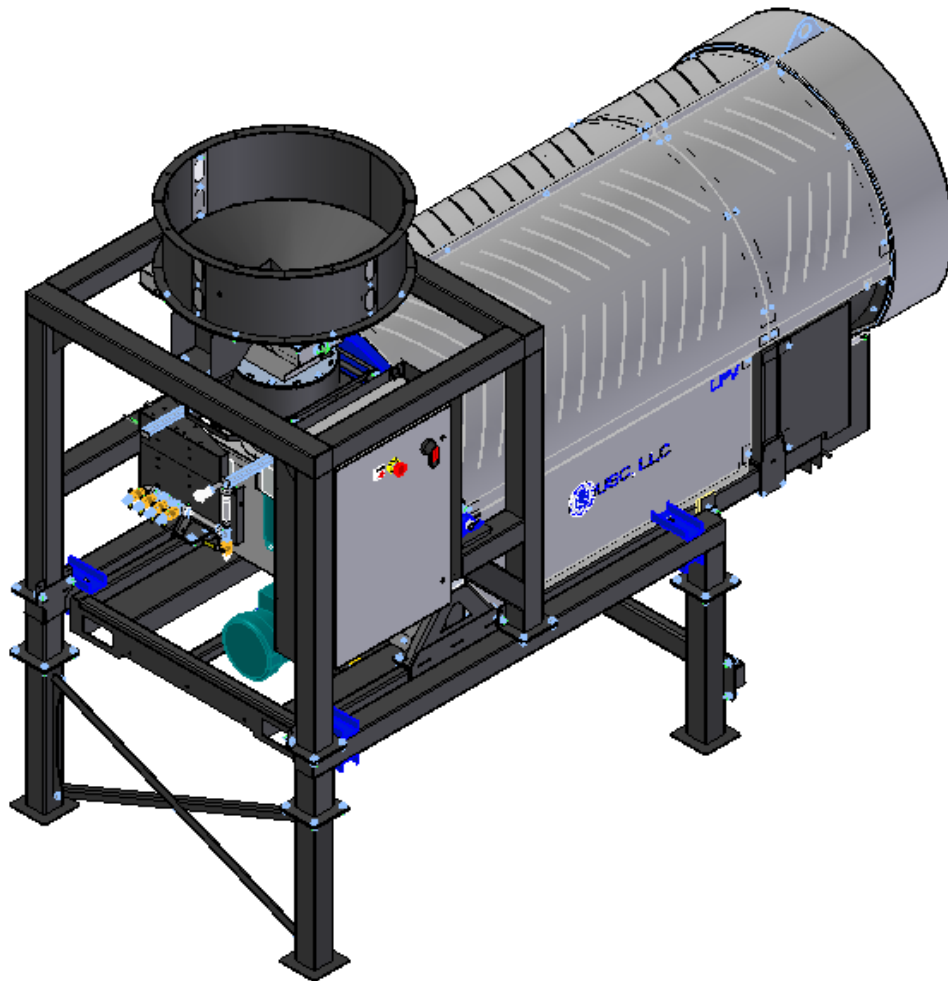




LPV SEED TREATER

EQUIPMENT REVISION: 03C



PARTS MANUAL

Document: MD-09-06-5005 Revision: A Effective Date: 08-2019



INTRODUCTION

Thank you for choosing USC, LLC for your equipment needs. We appreciate your business and will work diligently to ensure that you are satisfied with your choice.

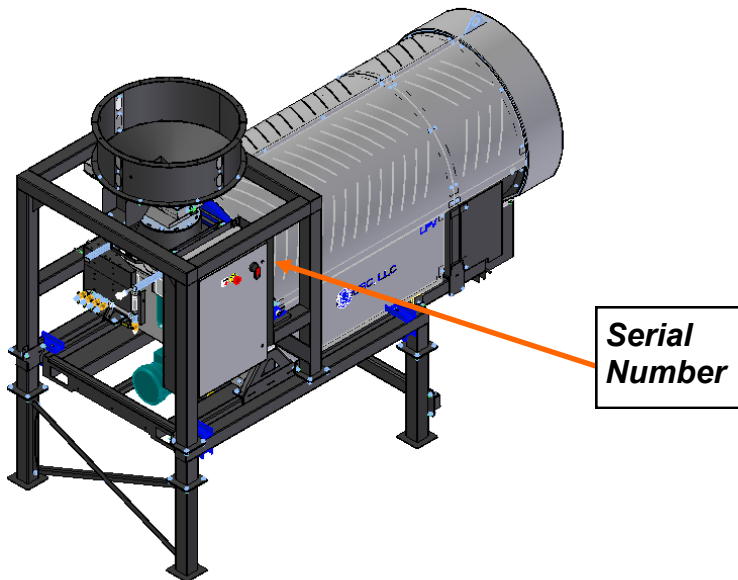
OVERVIEW

The purpose of this manual is to provide you with the basic information needed to operate and maintain the LPV Seed Treater. It does not hold USC, LLC liable for any accidents or injuries that may occur.

The technical information provided in this document is based on extensive testing under controlled conditions at the USC research and development facility. This information is given without guarantee as the conditions of operation and storage of the equipment are beyond our control. Variables such as temperature, humidity, viscosity of chemical products and changes in seed size or variety may all effect the accuracy of application and seed coverage. Periodically check the equipment calibration while treating and make adjustments as required. This will insure the optimum seed coverage.

Replacement parts may be ordered through your authorized dealer. .

**PLEASE HAVE YOUR EQUIPMENT SERIAL NUMBER IN HAND
WHEN CALLING TO ORDER PARTS.**



SERIAL NUMBER: _____

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SECTION A **SAFETY INSTRUCTIONS**

Every year accidents in the work place maim, kill and injure people. Although it may be impossible to prevent all accidents, with the right combination of training, operating practices, safety devices, and operator vigilance, the number of accidents can be significantly reduced. The purpose of this section is to educate equipment users about hazards, unsafe practices, and recommended hazard avoidance techniques.

If any of the required regularly scheduled maintenance is located above the reach of the operator, they should follow the companies normal safe practices of reaching that particular height, utilizing the companies specified equipment and following normal safety precautions.

When working with treatment chemicals, operators should always wear protective gloves, safety glasses, and follow the companies safety precautions in the case of any spillage or operator contamination.

SAFETY WORDS AND SYMBOLS

It is very important that operators and maintenance personnel understand the words and symbols that are used to communicate safety information. Safety words, their meaning and format, have been standardized for U.S. manufacturers and published by the American National Standards Institute (ANSI). The European Community (E.C.) has adopted a different format based on the International Standards Organization (I.S.O.) and applicable machinery directives. Both formats are presented below. Graphic symbols are not standardized, but most manufacturers will use some variation of the ones seen in this manual.

MOTS ET SYMBOLES SÉCURITÉ

Il est très important que les opérateurs et le personnel d'entretien à comprendre les mots et les symboles qui sont utilisés pour communiquer des informations de sécurité. Mots de sécurité, de leur signification et le format, ont été normalisés pour les fabricants américains et publié par l' American National Standards Institute (ANSI). La Communauté européenne (CE) a adopté un format différent sur la base de l'Organisation internationale de normalisation (ISO) et des directives de machines applicables. Les deux formats sont présentés ci-dessous. Les symboles graphiques ne sont pas standardisés, mais la plupart des fabricants utilisent une variante de ceux observés dans ce manuel.



Indicates an imminently hazardous situation which, if not avoided, **will** result in death or serious injury.



Indique une situation extrêmement dangereuse qui, si pas évitée, entraînera la mort ou des blessures graves.



Indicates a potentially hazardous situation which, if not avoided, **could** result in death or serious injury.



Indique une situation potentiellement dangereuse qui, si pas évitée, pourrait entraîner la mort ou des blessures graves.



Indicates a potentially hazardous situation which, if not avoided, **may** result in minor or moderate injury and/or property damage.



Indique une situation potentiellement dangereuse qui, si pas évitée, peut entraîner des blessures mineures ou modérées et / ou des dommages.



Provides additional information that the operator needs to be aware of to avoid a potentially hazardous situation.



Fournit des informations supplémentaires que l'opérateur doit être conscient de d'éviter une situation potentiellement dangereuse.



Notice is used to notify people of important installation, operation or maintenance information which is not hazard related.



Avis est utilisé pour informer les gens des informations de maintenance qui ne est pas danger lié importante installation, l'exploitation ou.



Mandatory Lockout Power Symbol. Disconnect, lockout and tagout electrical and other energy sources before inspecting, cleaning or performing maintenance on this panel.

Symbole de puissance verrouillage obligatoire. Débranchez, de verrouillage et de déconsignation énergie électrique et d'autres sources avant d'inspecter, de nettoyage ou de la maintenance de ce panneau.



International Safety Alert Symbol. The exclamation point (!) surrounded by a yellow triangle indicates that an injury hazard exists. However, it does not indicate the seriousness of potential injury. The exclamation point (!) is also used with the DANGER, WARNING and CAUTION symbols so the potential injury is indicated.

Sécurité Symbole International Alert . Le point d'exclamation (!) Entouré par un triangle jaune indique que un risque de blessure existe . Cependant, il ne indique pas la gravité des blessures potentielles. Le point d'exclamation (!) Est également utilisé avec les symboles DANGER, AVERTISSEMENT et ATTENTION de sorte que le risque de blessure est indiqué.



Electrocution Hazard Symbol. This symbol indicates that an electrocution hazard exists. Serious injury or death could result from contacting high voltage.

Symbole de danger d'électrocution . Ce symbole indique qu'un danger d'électrocution existe. Des blessures graves ou la mort pourraient résulter de contact haute tension.



International Electrocution Hazard. This symbol indicates that an electrocution hazard exists. Serious injury or death could result from contacting high voltage.

Danger d'électrocution international. Ce symbole indique qu'un danger d'électrocution existe. Des blessures graves ou la mort pourraient résulter de contact haute tension.



Mandatory Read Manual Action Symbol. (I.S.O. format) This symbol instructs personnel to read the Operators Manual before servicing or operating the equipment.

Obligatoire Lire Symbole d'action Manuel. (Format ISO)
Ce symbole indique le personnel de lire le manuel de l'opérateur avant de réparer ou d'utiliser l'équipement.



Mandatory Read Manual Action Symbol. This symbol instructs personnel to read the Operators Manual before servicing or operating the equipment.

Obligatoire Lire Symbole d'action Manuel . Ce symbole indique le personnel de lire le manuel de l'opérateur avant de réparer ou d'utiliser l'équipement.

LOCKOUT / TAGOUT PROCEDURES

Lockout/Tagout is the placement of a lock/tag on an energy isolating device in accordance with an established procedure. When taking equipment out of service to perform maintenance or repair work, always follow the lockout / tagout procedures as outlined in ANSI Z344.1 and/or OSHA Standard 1910.147. This standard "requires employers to establish a program and utilize procedures for affixing appropriate lockout devices or tagout devices to energy isolating devices and to otherwise disable machines or equipment to prevent unexpected energizing, start-up, or release of stored energy in order to prevent injury to employees."

LES PROCEDURES DE VERROUILLAGE / ETIQUETAGE

Verrouillage / étiquetage est le placement d'un verrouillage / tag sur un dispositif d'isolement de l'énergie conformément à une procédure établie. Lors de la prise hors service des équipements pour effectuer la maintenance ou de réparation, toujours suivre les procédures de verrouillage / débranchement comme indiqué dans la norme ANSI Z344.1 et / ou la norme OSHA 1910.147. Cette norme "oblige les employeurs à établir un programme et appliquer des procédures pour la fixation des dispositifs de verrouillage appropriés ou des dispositifs déconsignation à l'énergie dispositifs d'isolement et d' autre machines ou équipements désactiver pour éviter énergisant inattendu, start-up, ou la libération de l'énergie stockée dans le but de prévenir les blessures aux employés."

EMERGENCY STOP



There is an Emergency Stop push button on all LPV Seed Treaters which is located on the Treater Control Panel. The LPV Automated Treater has an additional Emergency Stop pushbutton on the Main Control Panel. Actuators of emergency stop shall be colored RED. The background immediately around the device actuator shall be colored YELLOW. The actuator pushbutton operated device shall be of the palm or mushroom head type.

ARRET D'URGENCE

Il ya un bouton-poussoir d'arrêt d'urgence sur tous les traiteurs de semences LPV qui est situé sur le Panneau de configuration Traiteur. Le LPV automatisé Traiteur dispose d'une autre arrêt d'urgence bouton poussoir sur le panneau de commande principal. Actionneurs de freinage d'urgence doivent être de couleur rouge. Le fond immédiatement autour de l'actionneur de l'appareil doit être de couleur JAUNE. Le dispositif actionné actionneur de bouton-poussoir doit être de la paume ou champignons type de tête.

CONTROLLED STOP

This is the stopping of machine motion by reducing the electrical command signal to 0 (zero) once the stop signal has been recognized.

ARRET CONTROLÉ

Ce est l'arrêt du mouvement de la machine en réduisant le signal de commande électrique à 0 (zéro) dès que le signal d'arrêt a été reconnu.

HAZARD REVIEW

RISQUE EXAMEN



Electrocution Hazard

Electrocution accidents are most likely to occur during maintenance of the electrical system or when working on or near exposed high voltage wiring. This hazard does not exist when the electrical power has been disconnected, properly locked, and tagged out.

Risque d'électrocution

Les accidents d'électrocution sont les plus susceptibles de se produire lors de la maintenance du système électrique ou pour travailler sur ou à proximité du câblage haute tension exposé. Ne existe pas ce danger lorsque l'alimentation électrique a été déconnecté, bien verrouillé et étiquetés sur.

Automatic Start Hazard



▲ WARNING

This equipment may be controlled by an automated system and may start without warning. Failure to properly disconnect, lockout, and tagout all energy sources of remotely controlled equipment creates a very hazardous situation and could cause injury or even death. PLEASE STAY CLEAR AND BE ALERT.

Démarrer danger automatique

! AVERTISSEMENT

Cet équipement peut être contrôlé par un système automatisé et peut démarrer sans avertissement. Sources de l'équipement contrôlé à distance non débranché correctement, lock-out, et tous déconsignation énergie crée une situation très dangereuse et pourrait causer des blessures ou même la mort. Se IL VOUS PLAÎT rester à l'écart et d'être vigilant.

YOU are responsible for the **SAFE** operation and maintenance of your USC, LLC equipment . **YOU** must ensure that you and anyone else who is going to operate, maintain or work around the equipment be familiar with the operating and maintenance procedures and related **SAFETY** information contained in this manual. This manual will take you step-by-step through your working day and alert you to good safety practices that should be adhered to while operating the equipment

Remember, **YOU** are the key to safety. Good safety practices not only protect you, but also the people around you. Make these practices a working part of your safety program. Be certain that **EVERYONE** operating this equipment is familiar with the recommended operating and maintenance procedures and follows all the safety precautions. Most accidents can be prevented. Do not risk injury or death by ignoring good safety practices.

- Equipment owners must give operating instructions to operators or employees before allowing them to operate the machine, and at least annually thereafter per OSHA (Occupational Safety and Health Administration) regulation 1928.57.
- The most important safety device on this equipment is a **SAFE** operator. It is the operator's responsibility to read and understand **ALL** Safety and Operating instructions in the manual and to follow them. All accidents can be avoided.
- A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator exposes himself and bystanders to possible serious injury or death.
- Do not modify the equipment in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment.
- Think SAFETY! Work SAFELY!

GENERAL SAFETY

1. Read and understand the operator's manual and all safety labels before operating, maintaining, adjusting or unplugging the equipment .
2. Only trained persons shall operate the equipment . An untrained operator is not qualified to operate the machine.
3. Have a first-aid kit available for use should the need arise, and know how to use it.



LPV SEED TREATER MECHANICAL DRAWINGS

4. Provide a fire extinguisher for use in case of an accident. Store in a highly visible place.
5. Do not allow children, spectators or bystanders within hazard area of machine.
6. Wear appropriate protective gear. This includes but is not limited to:
 - A hard hat
 - Protective shoes with slip resistant soles
 - Protective goggles
 - Heavy gloves
 - Hearing protection
 - Respirator or filter mask
7. Place all controls in neutral or off, stop motor, and wait for all moving parts to stop. Then disable power source before servicing, adjusting, repairing, or unplugging.
8. Review safety related items annually with all personnel who will be operating or maintaining the equipment.



OPERATING SAFETY:

1. Read and understand the Operator's Manual and all safety labels before using.
2. Disconnect and disable electrical supply completely and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
3. Clear the area of bystanders, especially children, before starting.
4. Be familiar with the machine hazard area. If anyone enters hazard area, shut down machine immediately. Clear the area before restarting.
5. Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
6. Stay away from overhead obstructions and power lines during operation and transporting. Electrocutation can occur without direct contact.
7. Do not operate machine when any guards are removed.
8. Inspect welds and repair if needed.

PLACEMENT SAFETY

1. Move only with the appropriate equipment
2. Stay away from overhead power lines when moving equipment. Electrocutation can occur without direct contact.
3. Be familiar with machine hazard area. If anyone enters hazard areas, shut down machine immediately. Clear the area before restarting.
4. Operate the equipment on level ground free of debris. Anchor the equipment to prevent tipping or upending.



Before placement of the equipment, be sure that ground is reasonably level. The equipment may topple or work improperly if the ground is too uneven, damaging the equipment and / or causing personal injury.



Avant de placement de l'équipement, assurez-vous que sol est relativement plat. L'équipement peut tomber ou mal fonctionner si le sol est trop inégale, endommager l'équipement et / ou causer des blessures.

MAINTENANCE SAFETY

1. Review the operator's manual and all safety items before working with, maintaining or operating the equipment .
2. Place all controls in neutral or off, stop motors, disable power source, and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
3. Follow good shop practices:
Keep service area clean and dry.
Be sure electrical outlets and tools are properly grounded.
Use adequate light for the job at hand.
4. Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
5. Clear the area of bystanders, especially children, when carrying out any maintenance and repairs or making any adjustments.
6. Before resuming work, install and secure all guards when maintenance work is completed.
7. Keep safety labels clean. Replace any sign that is damaged or not clearly visible.



SAFETY LABELS

1. Keep safety labels clean and legible at all times.
2. Replace safety labels that are missing or have become illegible.
3. Replaced parts that displayed a safety label should also display the current label.
4. Replacement safety labels are available. Contact your authorized dealer.

How to Install Safety Labels:

- Be sure that the installation area is clean and dry.
- Be sure temperature is above 50°F (10°C).
- Decide on the exact position before you remove the backing paper.
- Remove the smallest portion of the split backing paper.
- Align the sign over the specified area and carefully press the small portion with the exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the sign in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of sign backing paper.



Located on the USC equipment you will find safety labels. Always be sure to read and follow all directions on the labels.



Situé sur l'équipement USC vous trouverez des étiquettes de sécurité. Veuillez à toujours lire et suivre toutes les instructions sur les étiquettes.



Guards provided with USC equipment are to remain in place during operation.



Gardes fournis avec des équipements USC doivent rester en place pendant le fonctionnement.

Think **SAFETY!** Work **SAFELY!**

REMEMBER—If Safety Labels have been damaged, removed, become illegible, or parts replaced without safety labels, new labels must be applied. New safety labels are available from your authorized dealer.

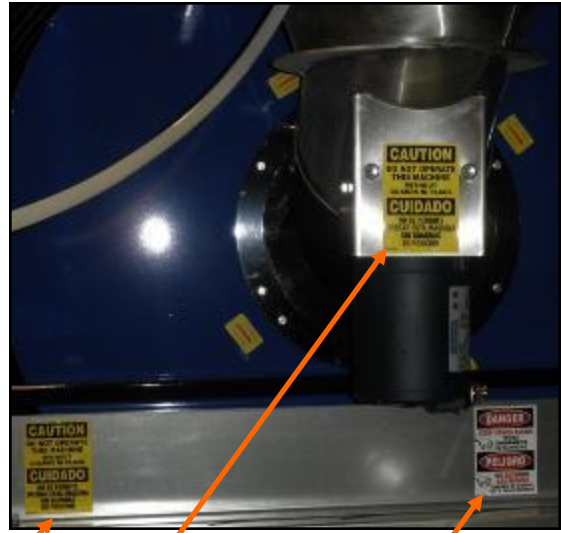


Part # 09-02-0001



Part # 09-02-0003

LPV SEED TREATER MECHANICAL DRAWINGS



Part # 09-02-0002



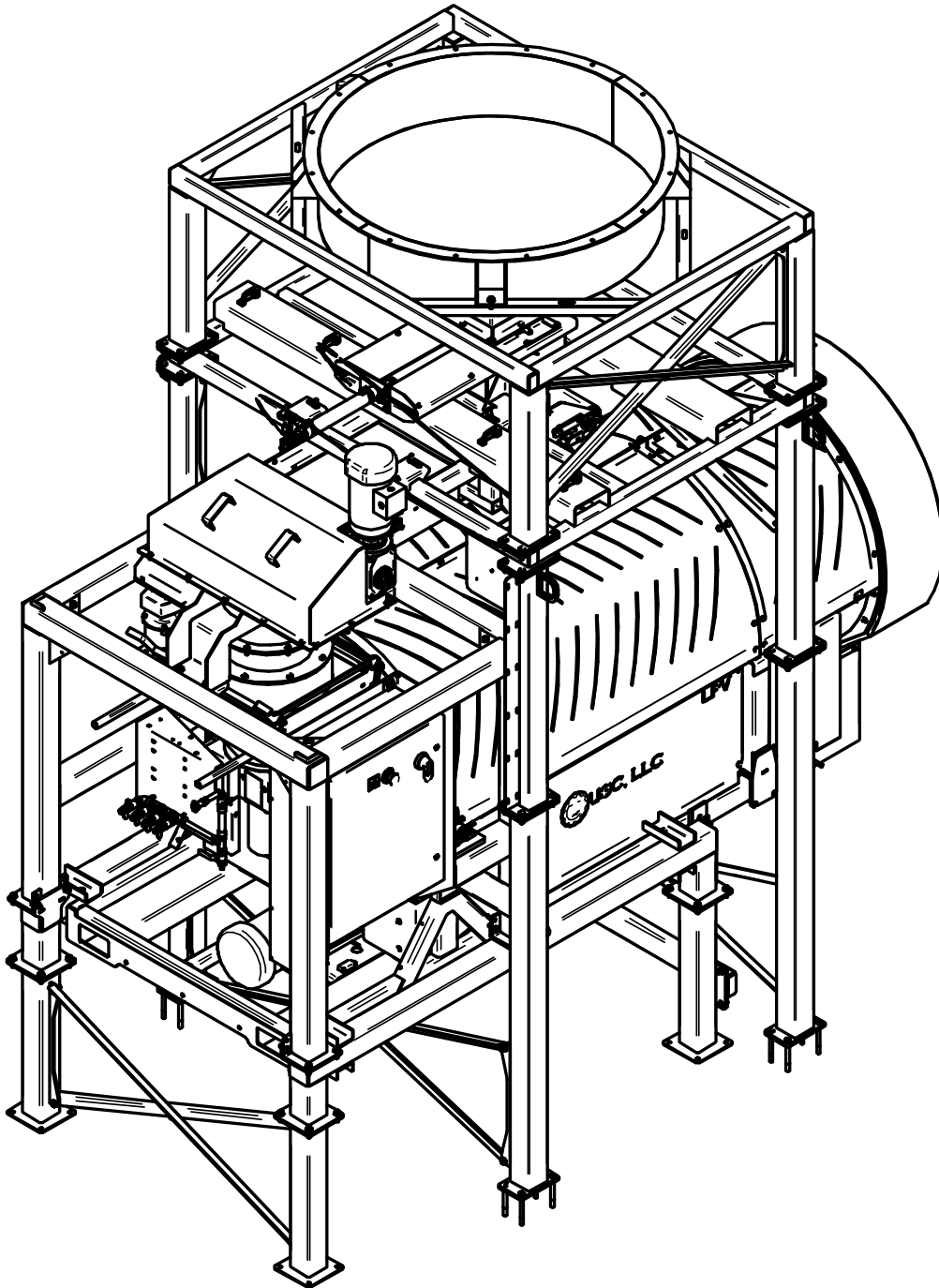
Part # 09-02-0001



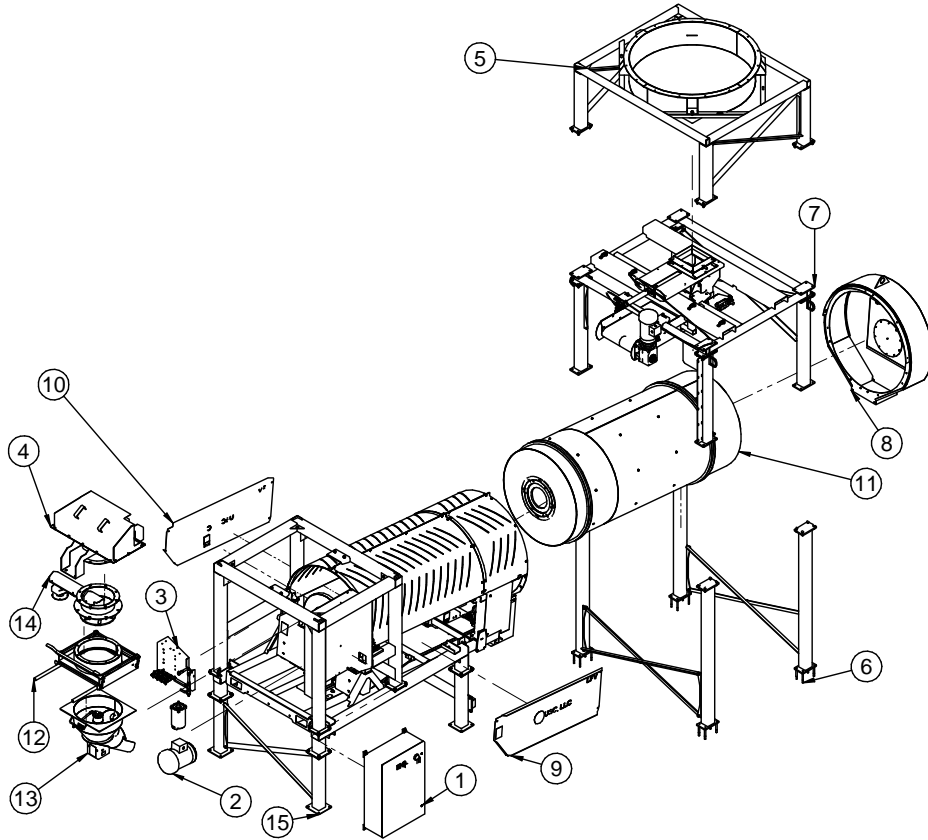
SECTION **MECHANICAL DRAWINGS**
B

The following pages show the parts of the various LPV treaters. Please have the part number and serial number ready when ordering parts.

HV08 HIGH CAPACITY LPV TREATER WITH 21 UNIT HOPPER (HV08xx4x500)

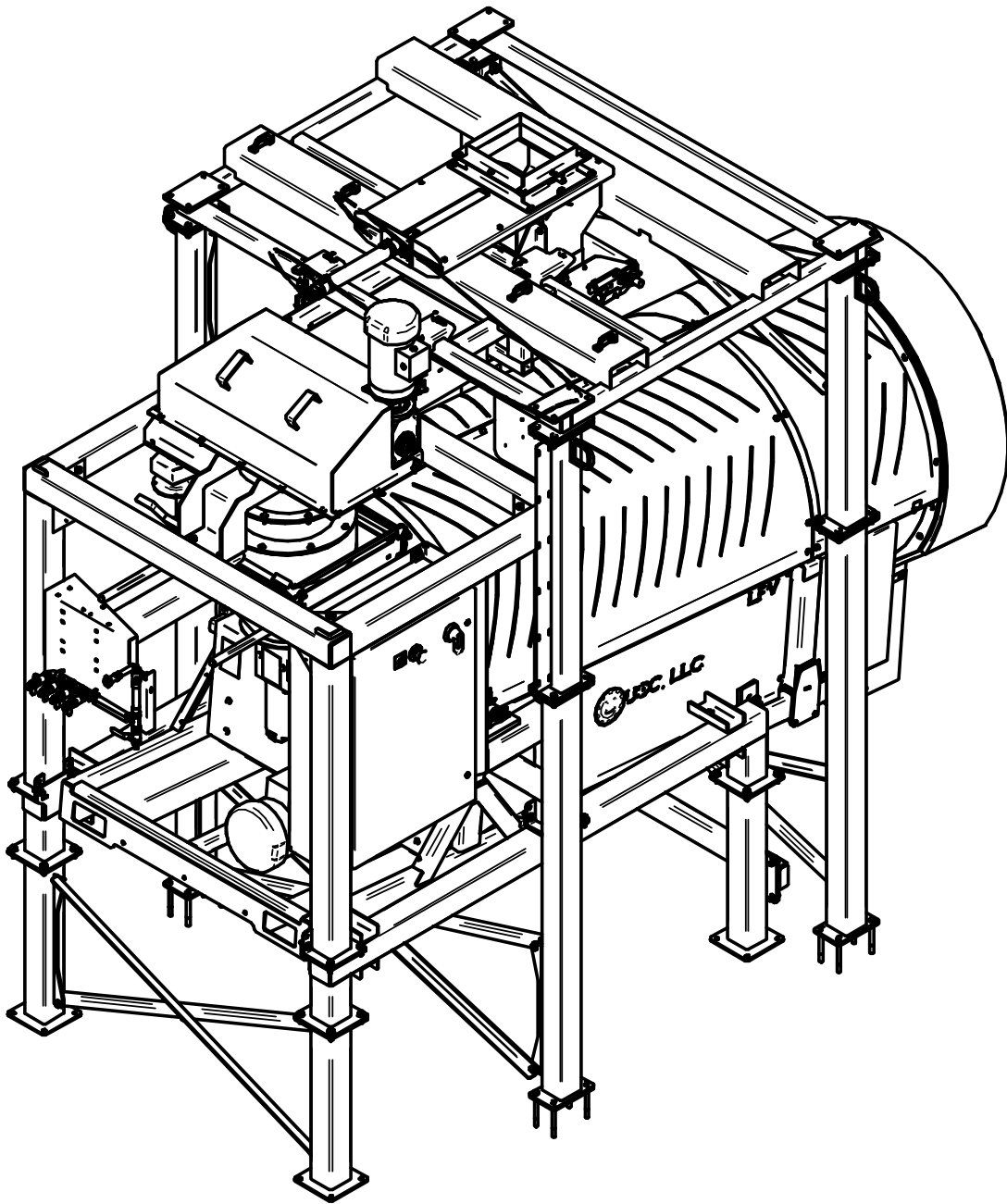


HV08 HIGH CAPACITY LPV TREATER WITH 21 UNIT HOPPER HV08xx4x500

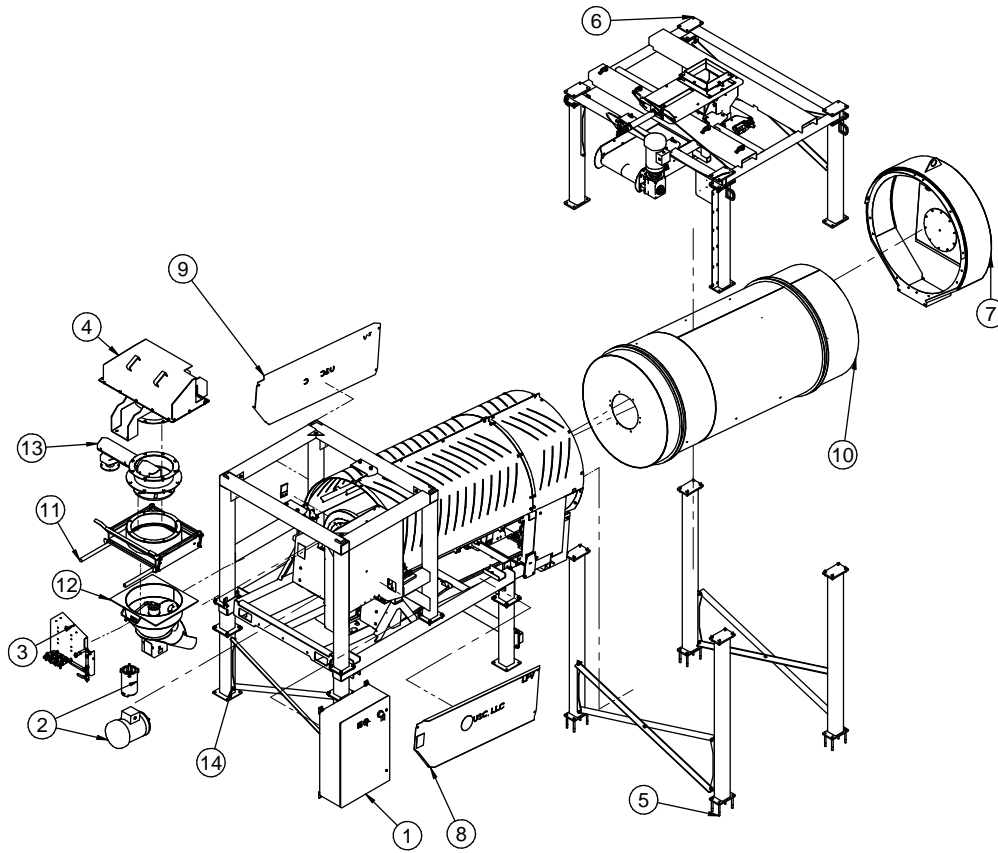


ITEM #	DESCRIPTION	DRAWING #	SEE PAGE #
1	CONTROL PANELS	ASSORTED	38
2	MOTOR KIT	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	WEIGH BELT HOOD	05-07-0946	92
5	HOPPER	13-05-0516	93
6	LEG KIT	13-05-0640	94
7	WEIGH BELT	ASSORTED	96
8	END CHUTE	18-01-0270	48
9	DRUM GUARD RIGHT	18-01-0322	52
10	DRUM GUARD LEFT	18-01-0325	52
11	DRUM	ASSORTED	53
12	FLOW CHAMBER	18-01-0430	67
13	ATOMIZER	18-01-0431	57
14	NEBULIZER	18-01-0432	63
15	BASE ASSEMBLY	18-01-0434	39

HV08 HIGH CAPACITY LPV SEED TREATER NO HOPPER (HV08xx4x600)

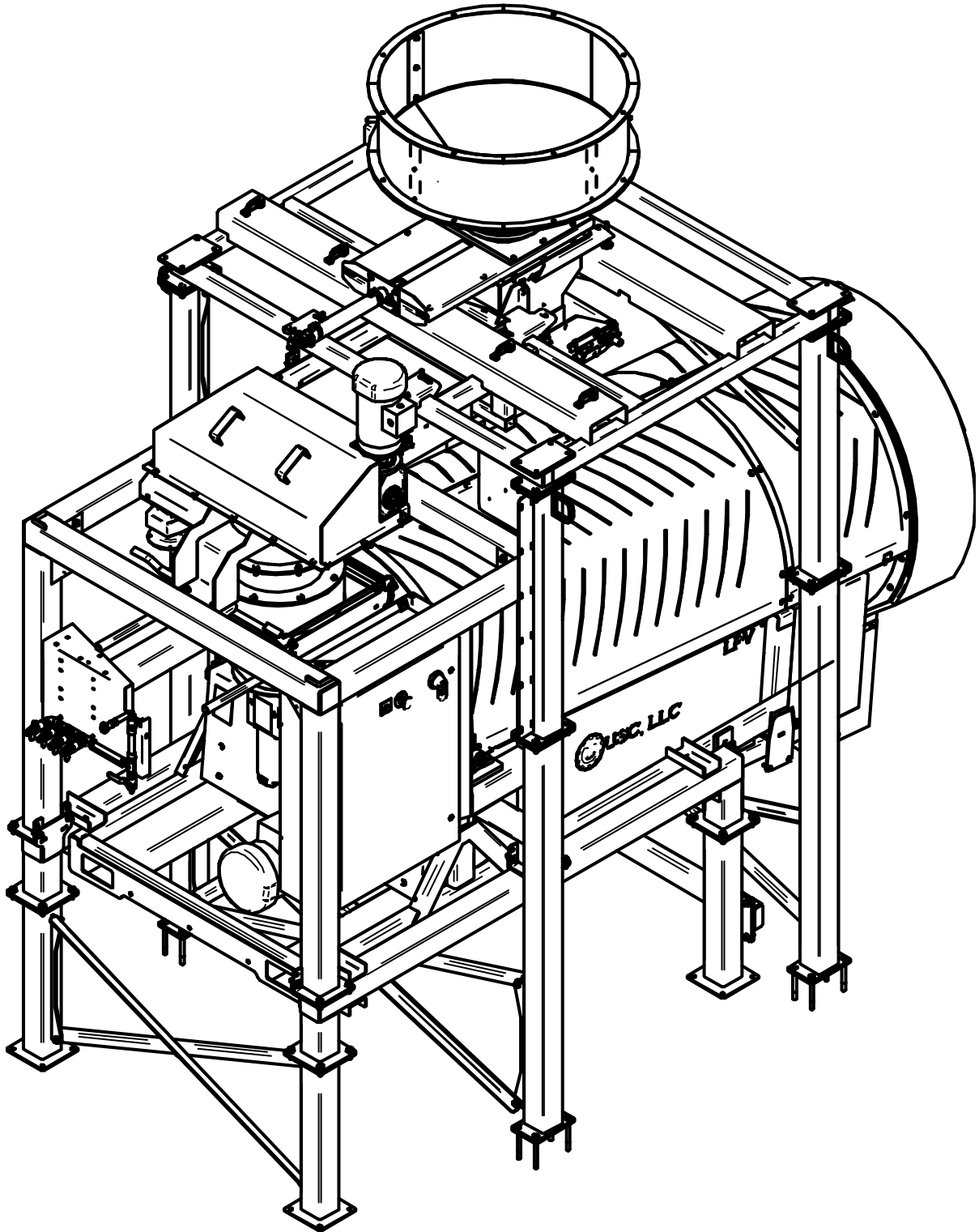


HV08 HIGH CAPACITY LPV SEED TREATER NO HOPPER (HV08xx4x600)



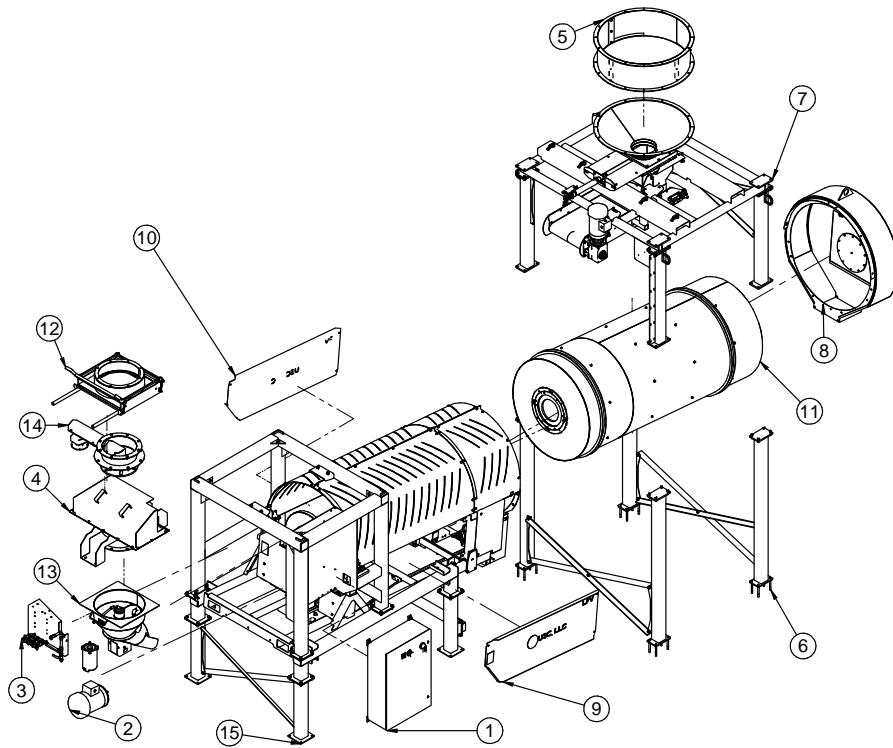
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2	MOTOR KIT	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	WEIGH BELT HOOD	05-07-0946	92
5	LEG KIT	13-05-0640	94
6	WEIGH BELT	ASSORTED	96
7	END CHUTE	18-01-0270	48
8	DRUM GUARD RIGHT	18-01-0322	77
9	DRUM GUARD LEFT	18-01-0325	77
10	DRUM	ASSORTED	53
11	FLOW CHAMBER	18-01-0430	67
12	ATOMIZER	18-01-0431	57
13	NEBULIZER	18-01-0432	63
14	BASE ASSEMBLY	18-01-0434	39

HV08 HIGH CAPACITY LPV SEED TREATER UNDER WEIGH HOPPER
(HV08xx4x7xx)



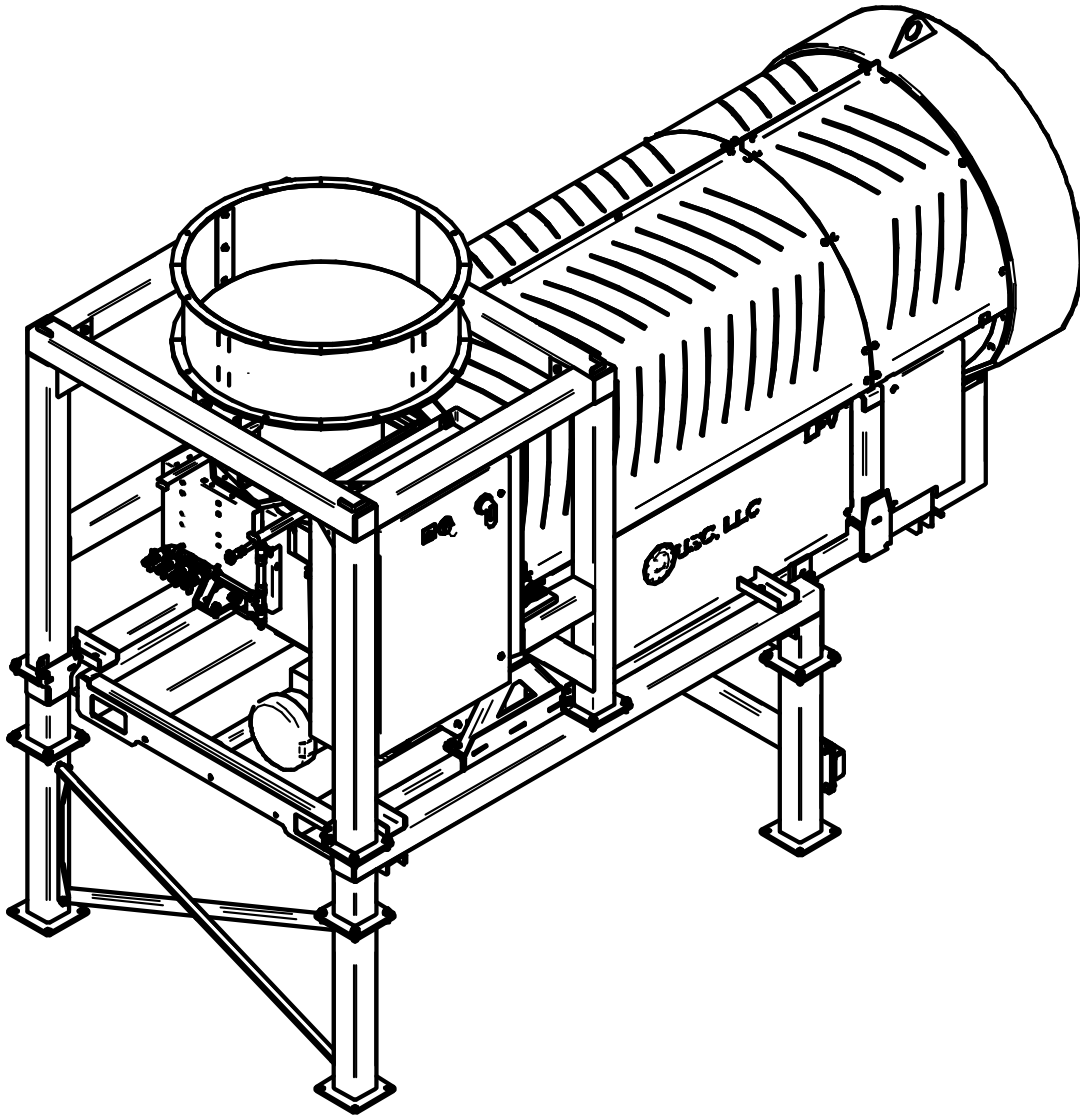
LPV SEED TREATER MECHANICAL DRAWINGS

HV08 HIGH CAPACITY LPV SEED TREATER UNDER WEIGH HOPPER
(HV08xx4x7xx)

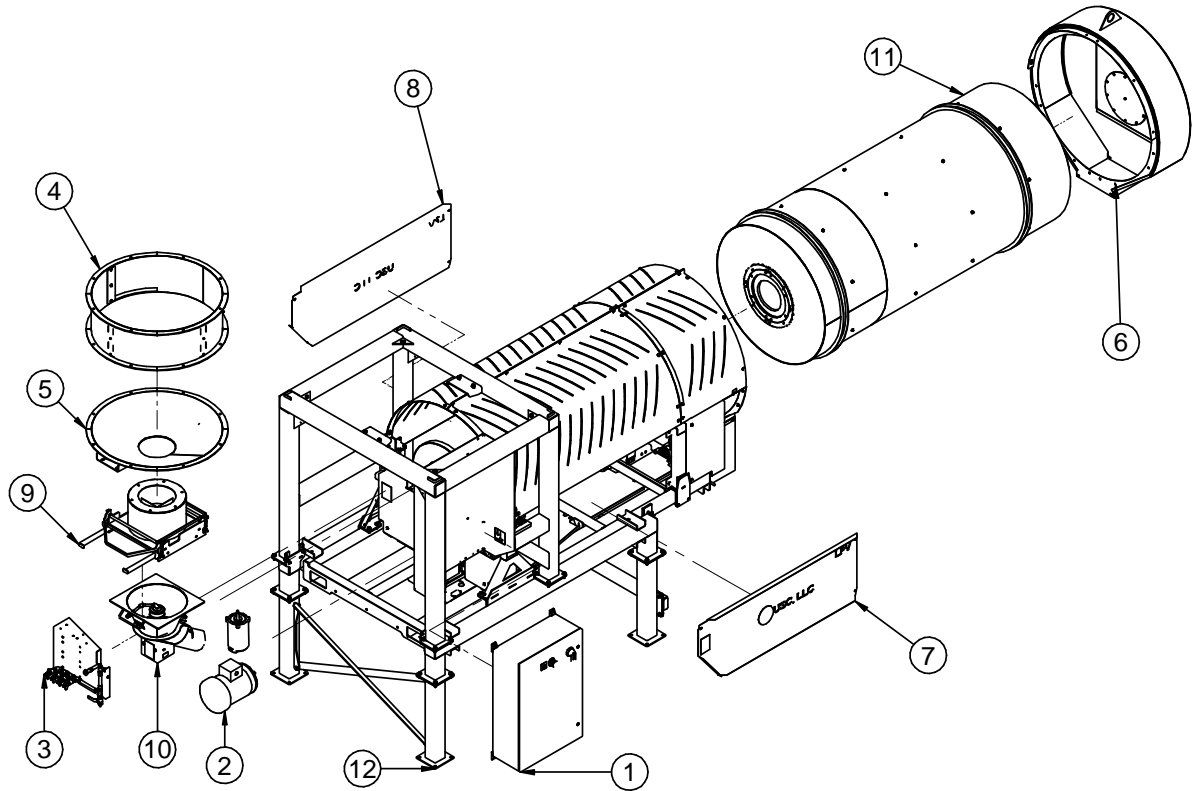


ITEM #	DESCRIPTION	DRAWING #	SEE PAGE #
1	CONTROL PANELS	ASSORTED	38
2	MOTOR KIT	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	WEIGH BELT HOOD	05-07-0946	92
5	HOPPER EXTENSION 12 INCH	13-04-0043	115
6	LEG KIT	13-05-0640	94
7	WEIGH BELT	ASSORTED	96
8	END CHUTE	18-01-0270	48
9	DRUM GUARD RIGHT	18-01-0322	77
10	DRUM GUARD LEFT	18-01-0325	77
11	DRUM	ASSORTED	53
12	FLOW CHAMBER	18-01-0430	67
13	ATOMIZER	18-01-0341	57
14	NEBULIZER	18-01-0432	62
15	BASE ASSEMBLY	18-01-0434	39

**LV08 STANDARD CAPACITY LPV SEED TREATER LIW FLOOR MOUNTED OR
UNDER LIW WEIGH HOPPER (LV08xx4x0xx, LV08xx4x4xx)**

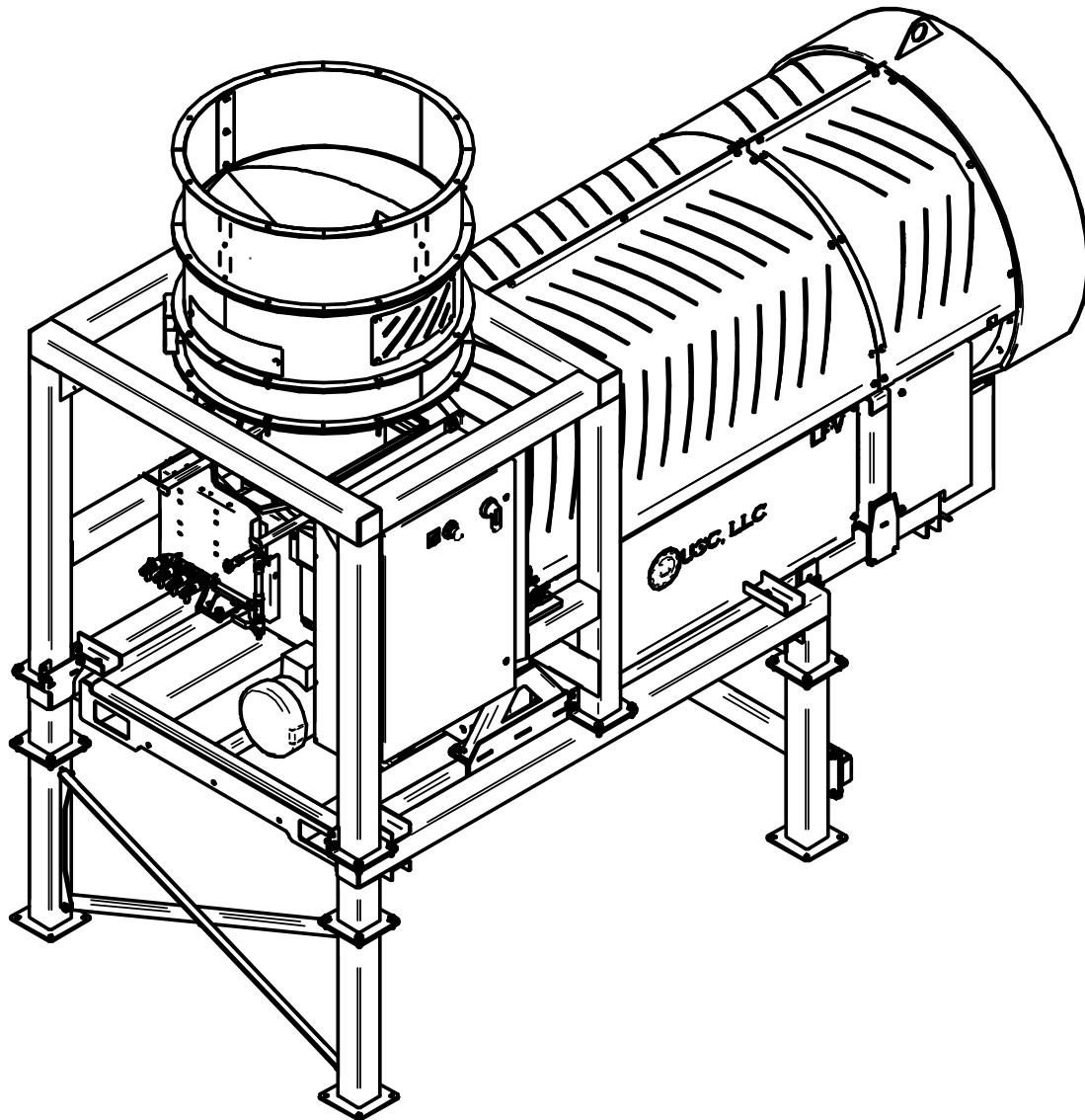


LV08 STANDARD CAPACITY LPV SEED TREATER LIW FLOOR MOUNTED OR UNDER LIW WEIGH HOPPER (LV08xx4x0xx, LV08xx4x4xx)

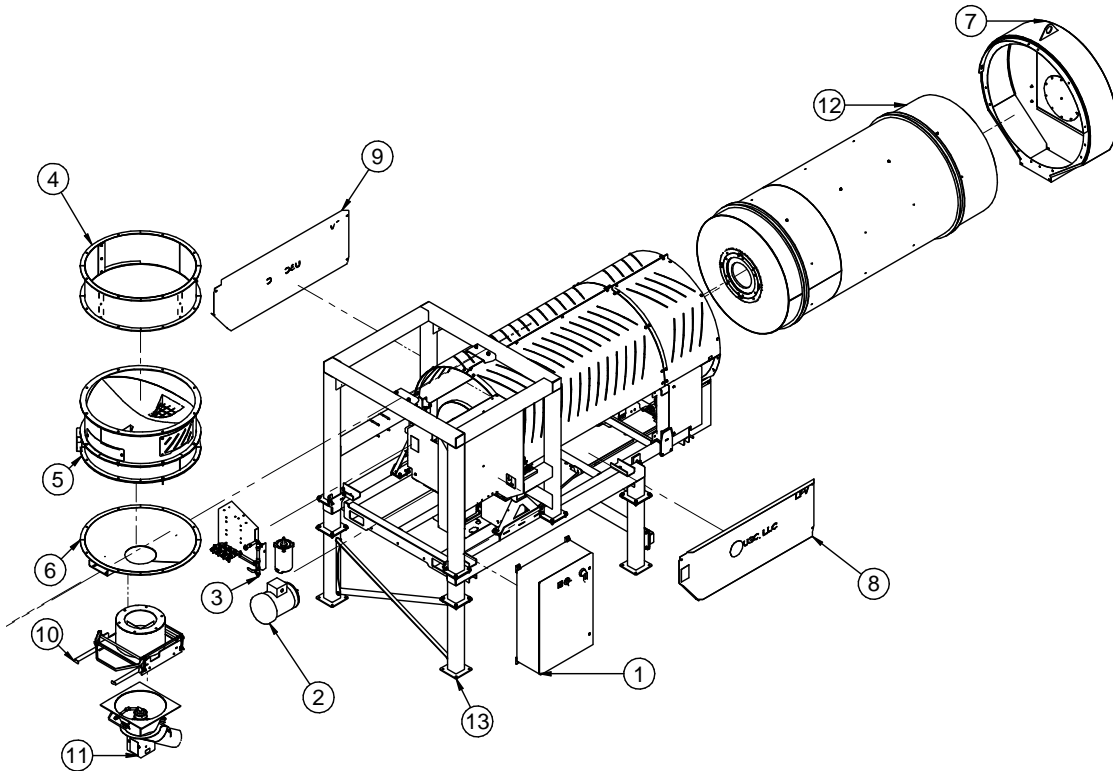


ITEM #	DESCRIPTION	DRAWING #	SEE PAGE #
1	CONTROL PANELS	ASSORTED	38
2	MOTOR KIT	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	HOPPER EXTENSION	ASSORTED	112
5	WELDMENT INLET HOPPER	18-01-0252	66
6	END CHUTE	18-01-0270	48
7	DRUM GUARD RIGHT	18-01-0322	77
8	DRUM GUARD LEFT	18-01-0325	77
9	FLOW CHAMBER	18-01-0350	69
10	ATOMIZER	18-01-0359	60
11	DRUM	ASSORTED	53
12	BASE ASSEMBLY	18-01-0434	39

LV08 STANDARD CAPACITY LPV SEED TREATER SEED METERING WHEEL
(LV08xx4x1xx)

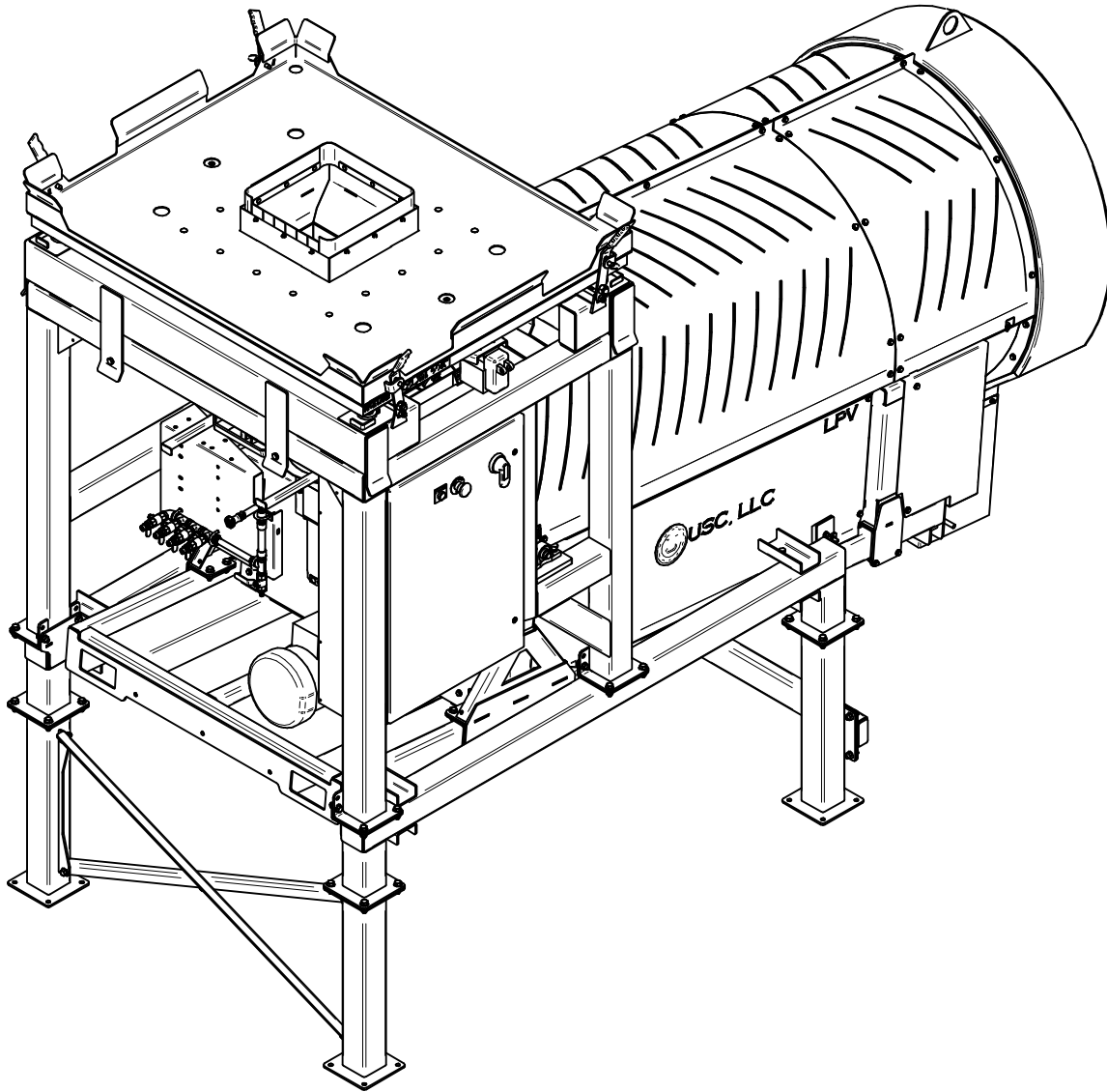


LV08 STANDARD CAPACITY LPV SEED TREATER SEED METERING WHEEL
(LV08xx4x1xx)

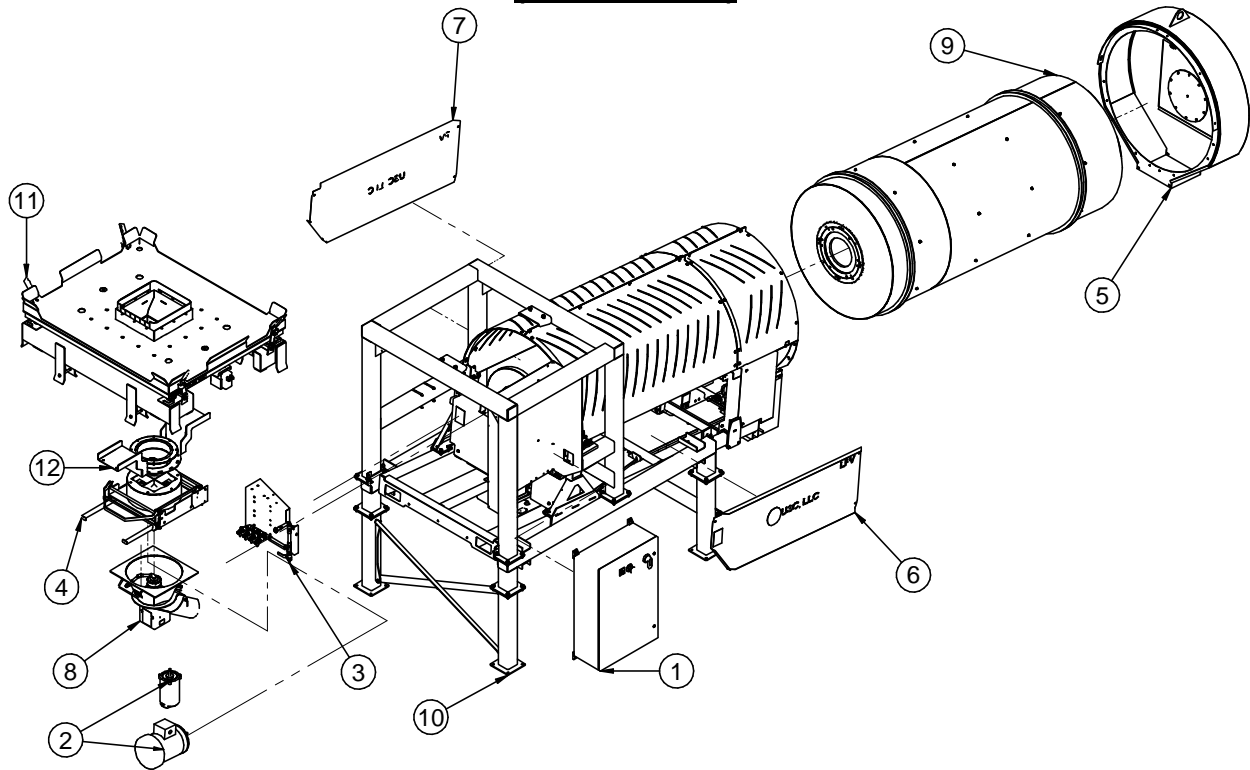


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2	MOTOR KIT	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	HOPPER EXTENSION	ASSORTED	112
5	SEED METERING WHEEL	ASSORTED	77
6	INLET HOPPER	18-01-0252	66
7	END CHUTE ASSEMBLY	18-01-0270	48
8	DRUM GUARD RIGHT	18-01-0322	77
9	DRUM GUARD LEFT	18-01-0325	77
10	FLOW CHAMBER	18-01-0350	69
11	ATOMIZER	18-01-0359	60
12	DRUM	ASSORTED	53
13	BASE ASSEMBLY	18-01-0434	39

LV08 STANDARD CAPACITY LPV SEED TREATER BOX TO BOX
(LV08xx4x200)

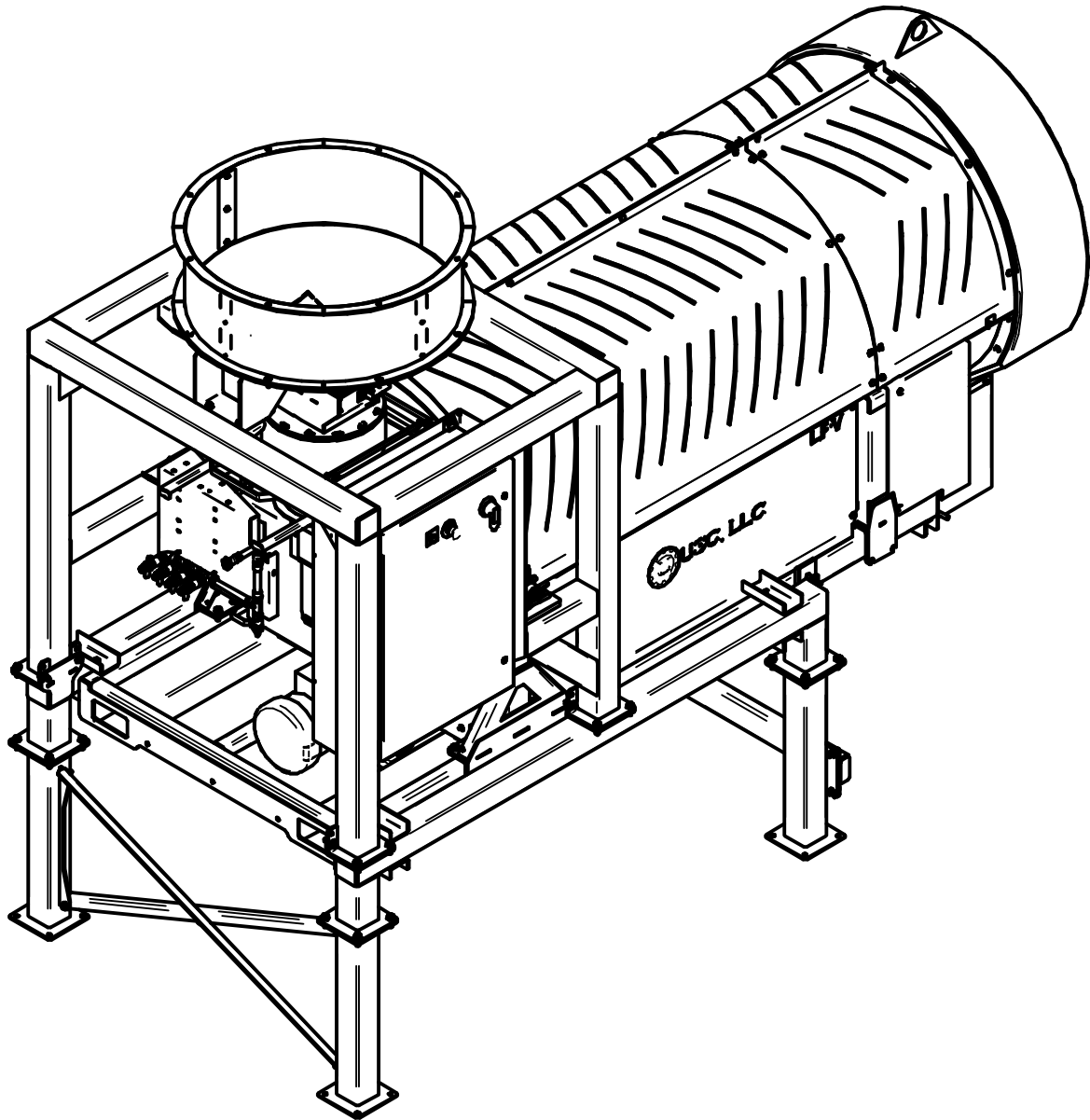


**LV08 STANDARD CAPACITY LPV SEED TREATER BOX TO BOX
(LV08xx4x200)**

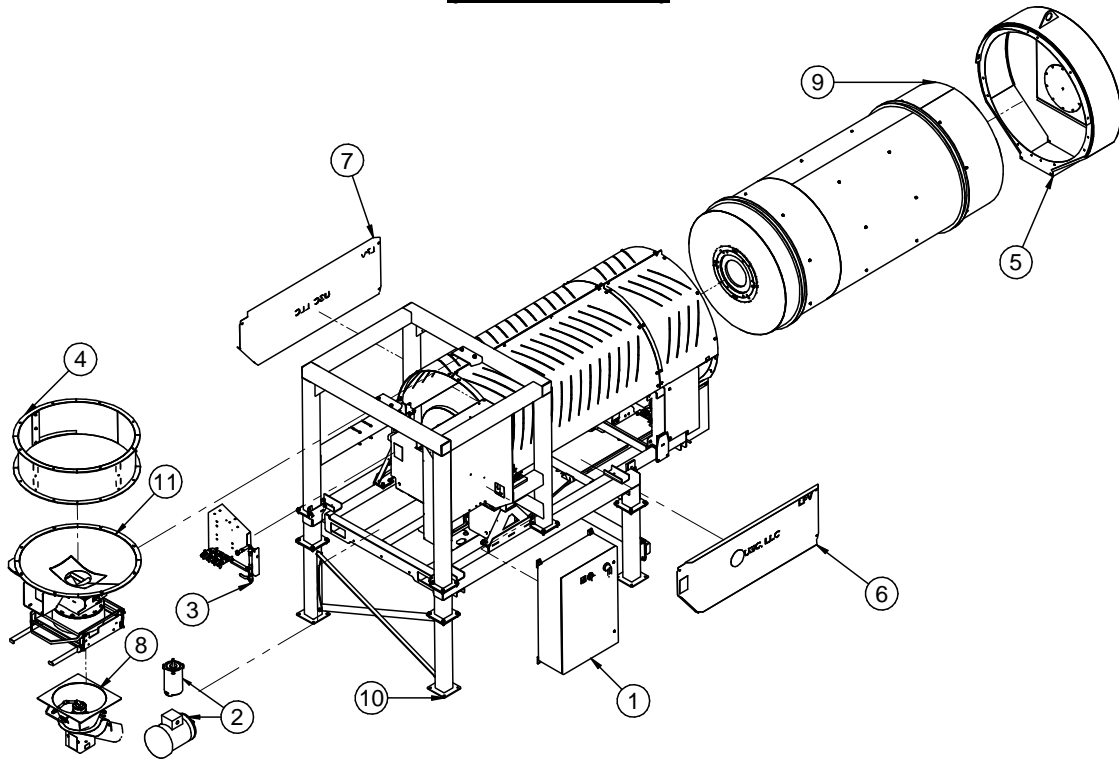


ITEM #	DESCRIPTION	DRAWING #	SEE PAGE #
1	CONTROL PANELS	ASSORTED	38
2	MOTOR KIT	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	FLOW CHAMBER SUPPORT	18-01-0495	86
5	FLOW CHAMBER	105503	113
6	END CHUTE ASSEMBLY	18-01-0270	48
7	DRUM GUARD RIGHT	18-01-0322	77
8	DRUM GUARD LEFT	18-01-0325	77
9	ATOMIZER	18-01-0359	60
10	DRUM	ASSORTED	53
11	BASE ASSEMBLY	18-01-0434	39
12	ASSEMBLY LOSS-IN-WEIGH SCALE	18-01-0483	84

LV08 STANDARD CAPACITY LIW LPV SEED TREATER UNDER TRI-FLO
(LV08xx4x3xx)

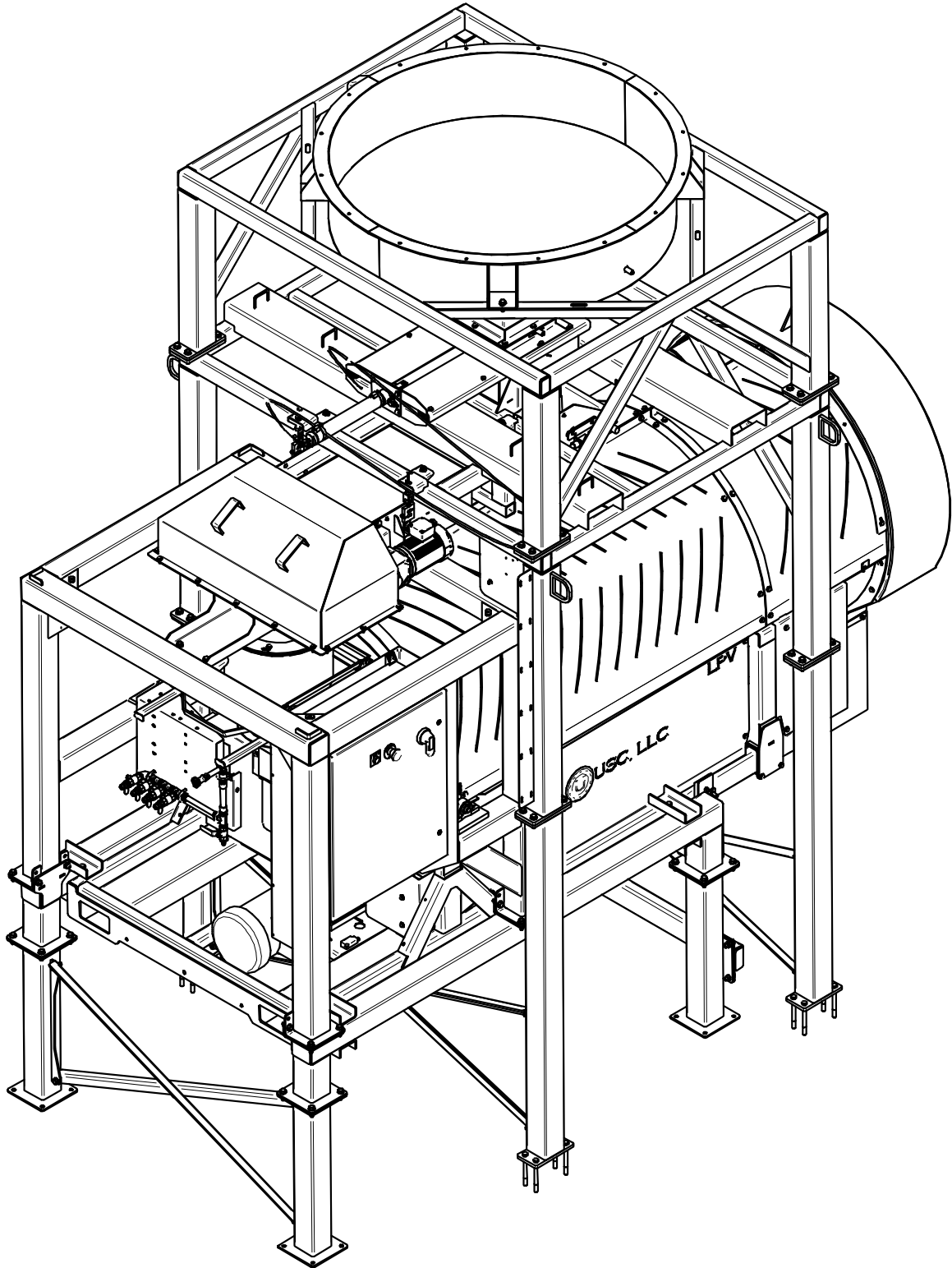


LV08 STANDARD CAPACITY LIW LPV SEED TREATER UNDER TRI-FLO
(LV08xx4x3xx)



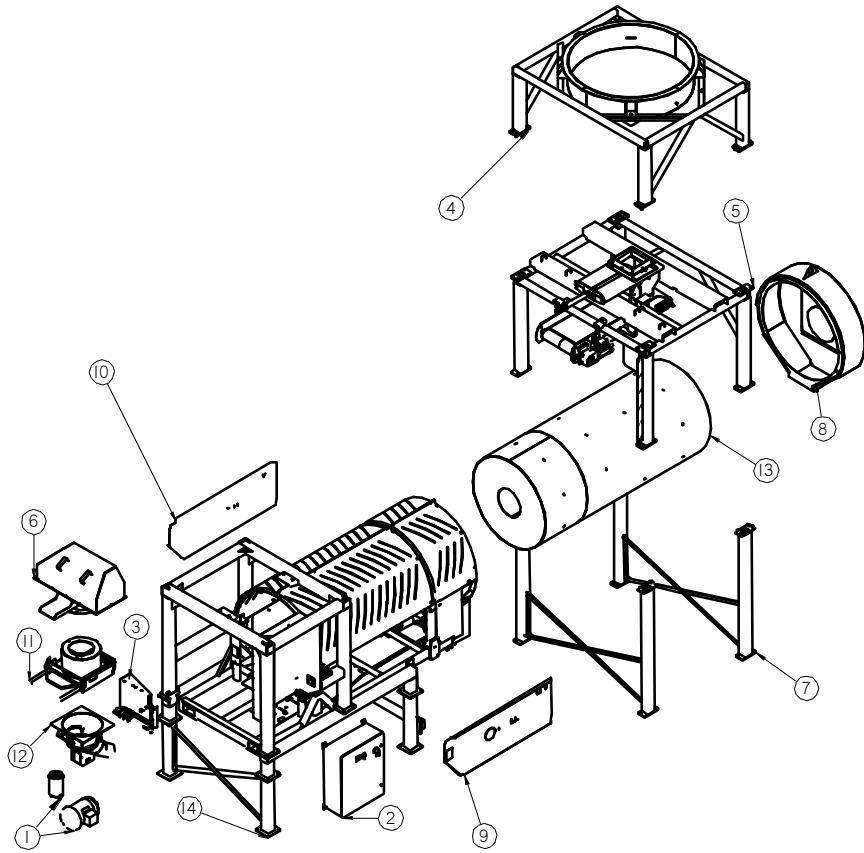
ITEM #	DESCRIPTION	DRAWING #	SEE PAGE #
1	CONTROL PANELS	ASSORTED	38
2	MOTOR KITS	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	HOPPER EXTENSION	ASSORTED	112
5	END CHUTE ASSEMBLY	18-01-0270	48
6	DRUM GUARD RIGHT	18-01-0322	77
7	DRUM GUARD LEFT	18-01-0325	77
8	ATOMIZER	18-01-0359	60
9	DRUM	ASSORTED	53
10	BASE ASSEMBLY	18-01-0434	39
11	FLOW CHAMBER LOSS-IN-WEIGH	18-01-0493	89

LV08 STANDARD CAPACITY LPV SEED TREATER WITH 21 UNIT HOPPER
(LV08xx4x500)



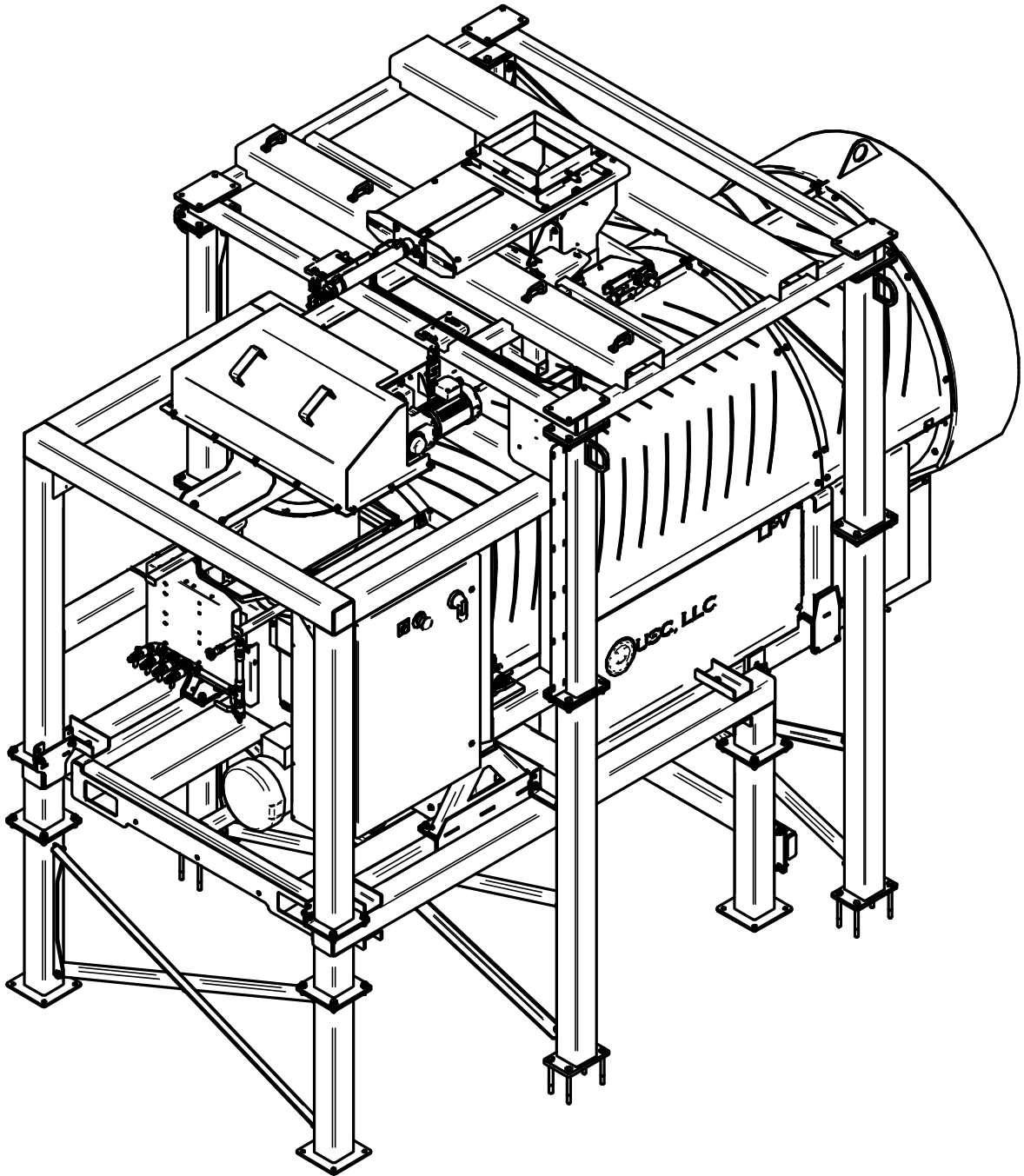
LPV SEED TREATER MECHANICAL DRAWINGS

LV08 STANDARD CAPACITY LPV SEED TREATER WITH 21 UNIT HOPPER
(LV08xx4x500)

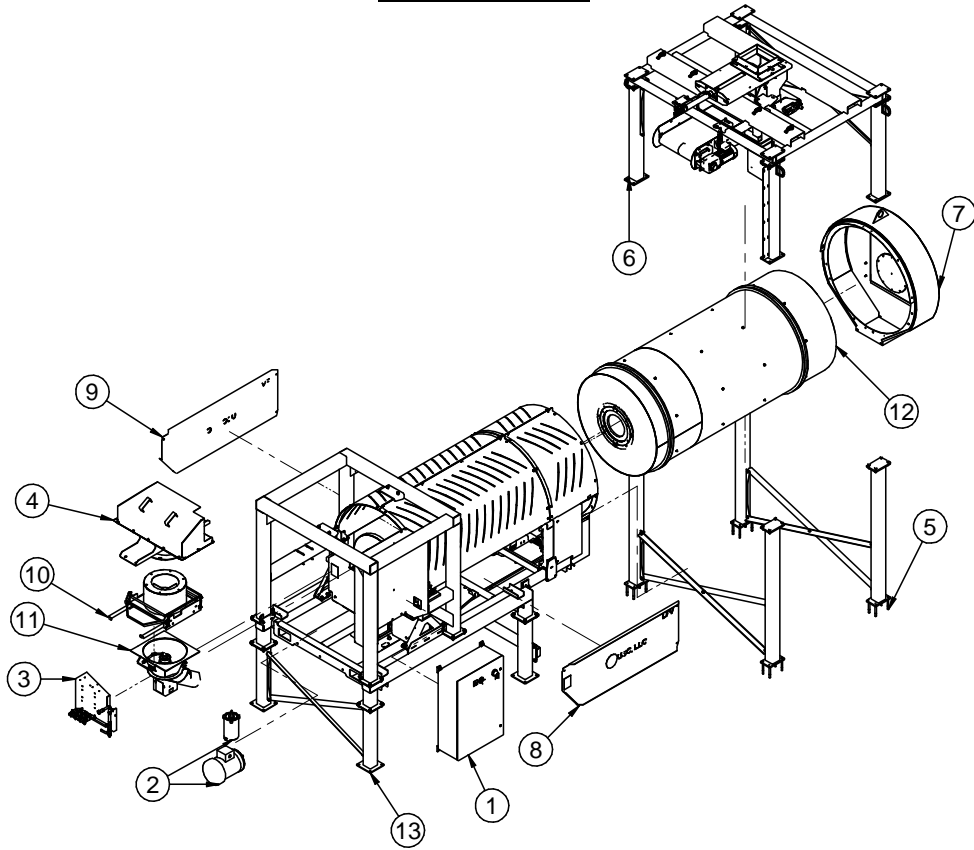


ITEM #	DESCRIPTION	DRAWING #	SEE PAGE #
1	MOTOR KIT	ASSORTED	38
2	CONTROL PANELS	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	21 UNIT HOPPER	13-05-0516	93
5	WEIGH BELT	ASSORTED	100
6	WEIGH BELT TREATER HOOD	13-05-0519	92
7	LEG KIT WEIGH BELT OVER LPV	13-05-0520	95
8	END CHUTE ASSEMBLY	18-01-0270	48
9	DRUM GUARD RIGHT	18-01-0322	77
10	DRUM GUARD LEFT	18-01-0325	77
11	FLOW CHAMBER	18-01-0350	69
12	ATOMIZER	18-01-0359	60
13	DRUM	ASSORTED	53
14	BASE ASSEMBLY	18-01-0434	39

LV08 STANDARD CAPACITY LPV SEED TREATER WITHOUT HOPPER
(LV08xx4x600)

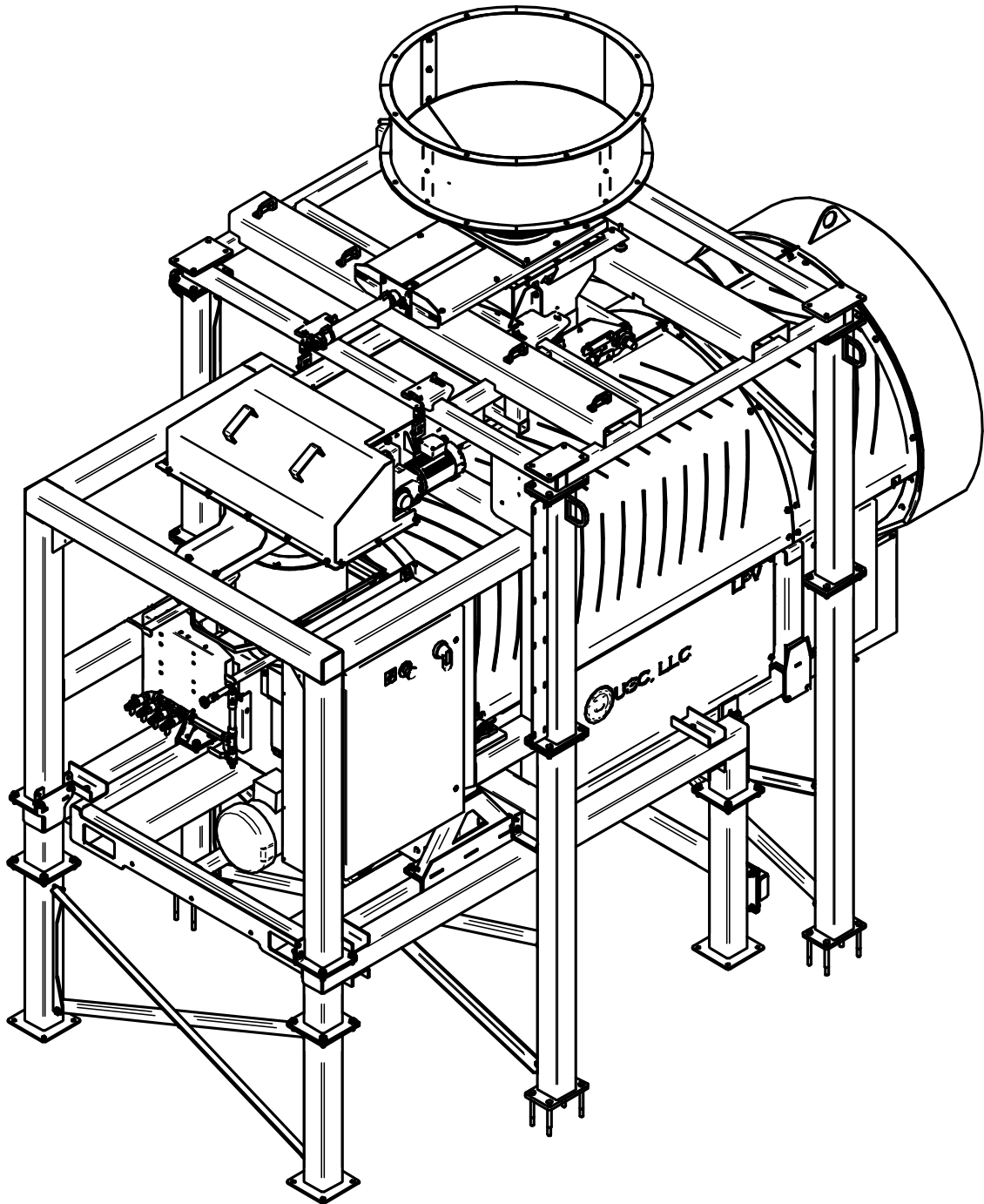


LV08 STANDARD CAPACITY LPV SEED TREATER WITHOUT HOPPER
(LV08xx4x600)

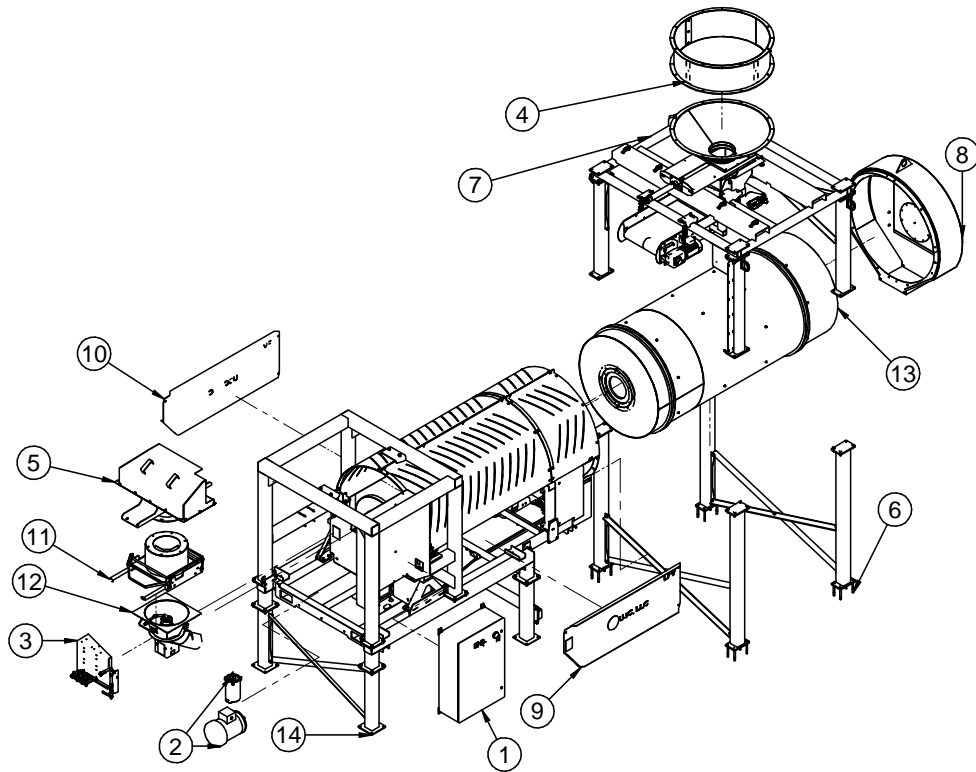


ITEM #	DESCRIPTION	DRAWING #	SEE PAGE #
1	CONTROL PANELS	ASSORTED	38
2	MOTOR KIT	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	WEIGH BELT TREATER HOOD	13-05-0519	92
5	LEG KIT WEIGH BELT OVER LPV	13-05-0520	95
6	WEIGH BELT	ASSORTED	100
7	END CHUTE ASSEMBLY	18-01-0270	48
8	DRUM GUARD RIGHT	18-01-0322	77
9	DRUM GUARD LEFT	18-01-0325	77
10	FLOW CHAMBER	18-01-0350	69
11	ATOMIZER	18-01-0359	60
12	DRUM	ASSORTED	53
13	BASE ASSEMBLY	18-01-0434	39

**LV08 STANDARD CAPACITY LPV SEED TREATER UNDER STACKED WEIGH
HOPPER (LV08xx4x7xx)**

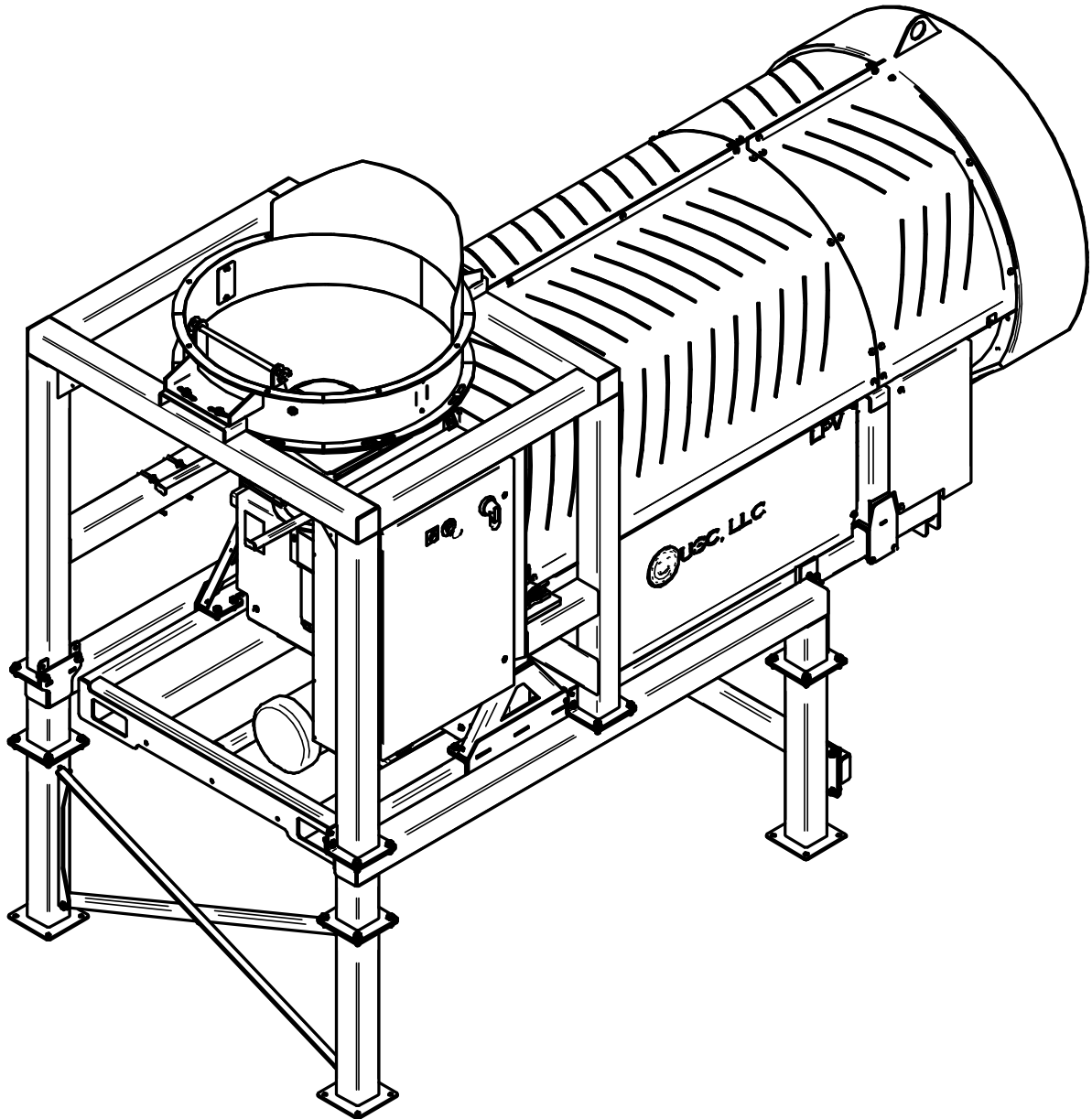


LV08 STANDARD CAPACITY LPV SEED TREATER UNDER STACKED WEIGH HOPPER (LV08xx4x7xx)

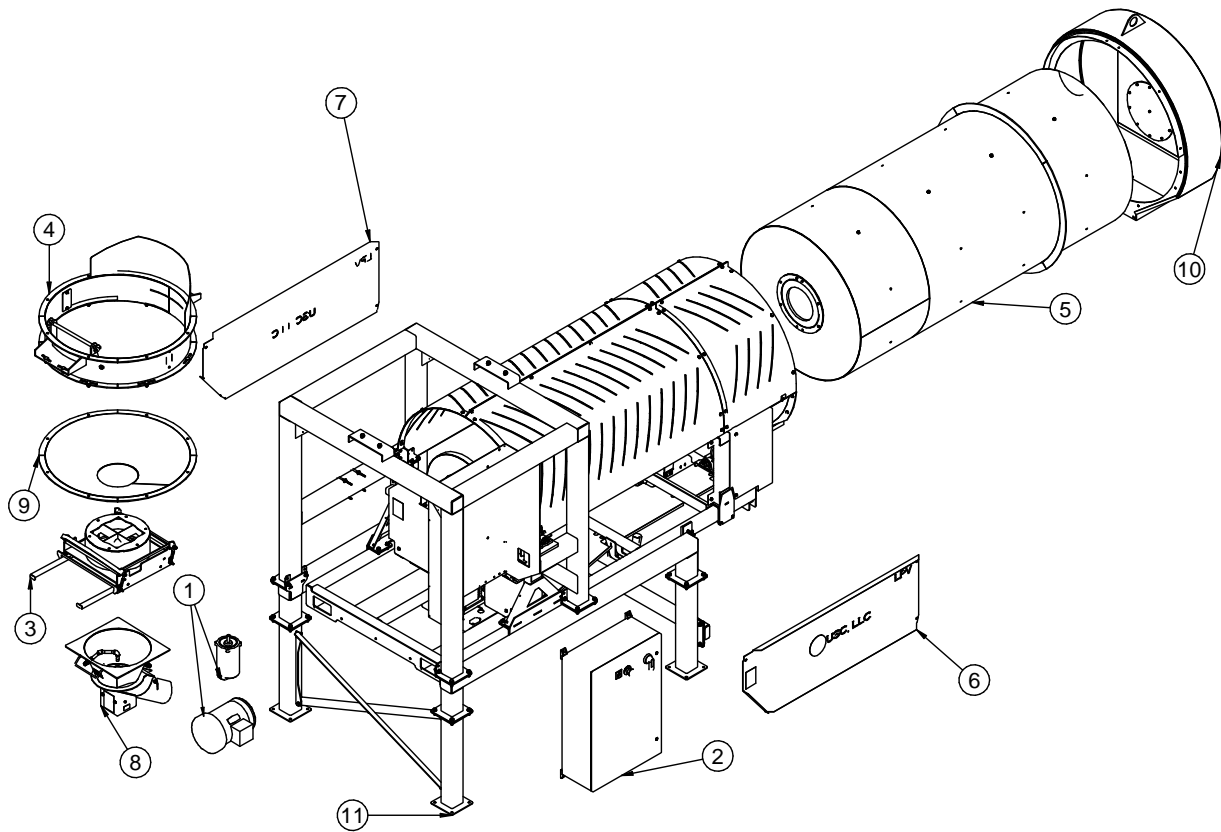


ITEM #	DESCRIPTION		SEE PAGE #
1	CONTROL PANELS	ASSORTED	38
2	MOTOR KIT	ASSORTED	38
3	STATIC MIXER	ASSORTED	73
4	HOPPER EXTENSION	ASSORTED	112
5	WEIGH BELT HOOD	13-05-0519	91
6	LEG KIT WEIGH BELT	13-05-0520	95
7	WEIGH BELT	ASSORTED	107
8	END CHUTE	18-01-0270	48
9	DRUM GUARD RIGHT	18-01-0322	52
10	DRUM GUARD LEFT	18-01-0325	52
11	FLOW CHAMBER	18-01-0350	69
12	ATOMIZER	18-01-0359	60
13	DRUM	ASSORTED	53
14	MAIN ASSEMBLY	18-01-0434	39

PV08 PORTABLE LPV SEED TREATER
(PV08xx41108)



PV08 PORTABLE LPV SEED TREATER
(PV08xx41108)



ITEM #	DESCRIPTION	PART #	SEE PAGE #
1	MOTOR KIT	ASSORTED	38
2	CONTROL PANELS	ASSORTED	38
3	FLOW CHAMBER	105503	71
4	HOPPER EXTENSION 8 INCH	10550E	113
5	DRUM	ASSORTED	53
6	DRUM GUARD RIGHT	18-01-0322	52
7	DRUM GUARD LEFT	18-01-0325	52
8	ATOMIZER	18-01-0359	60
9	INLET HOPPER	18-01-0398	66
10	PV08 END CHUTE	18-01-0399	48
11	PV0-8 BASE ASSEMBLY	18-01-0450	41

LPV SEED TREATER MECHANICAL DRAWINGS

MOTOR KITS			
MOTOR KIT FOR LV08 AND PV08 TREATERS			
ITEM	240V/1PH, 240V/3PH, 480V/3PH	380V/3PH	575V/3PH
DRUM DRIVE	01-01-0166	01-01-0166	01-01-0106
ATOMIZER DRIVE	01-01-0105	01-01-0208	01-01-0105
MOTOR KIT FOR HV08 TREATERS			
DRUM DRIVE	01-01-0087		01-01-0144
ATOMIZER DRIVE	01-01-0105		01-01-0175
NEBULIZER MOTOR	01-01-0166		01-01-0144

CONTROL PANELS					
DESCRIPTION	240V/1PH	240V/3PH	480V/3PH	380V/3PH	575V/3PH
US SMW	03-12-0556	03-12-0558	033-12-0560	03-12-0559	03-12-0561
C2D2 SMW	03-12-0547	03-12-0548	03-12-0550	03-12-0549	03-12-0551
US WEIGH BELT	03-12-0546	03-12-0548	03-12-0550	03-12-0549	03-12-0551
C2D2 WEIGH BELT	03-12-0547	03-12-0548	03-12-0550	03-12-0549	03-12-0551
US LIW	03-12-0581	03-12-0583	03-12-0558	03-12-0584	03-12-0586
US LIW BOX TO BOX	03-12-0587	03-12-0589	03-12-0591	03-12-0590	03-12-0592

SEED METERING WHEEL GEARMOTORS			
VOLTAGE	SMW PART #	PART NUMBER	DESCRIPTION
240V / 1PH / 3PH 380 -480V / 3 PH	13-04-0201 13-04-0231	01-01-0229	GMTR RA .5HP 11RPM 3 PH HLLW NOTAP
575V / 3PH	13-04-0222	01-01-0147	GMTR RA .5HP 11RPM 575 PH HLLW NOTAP

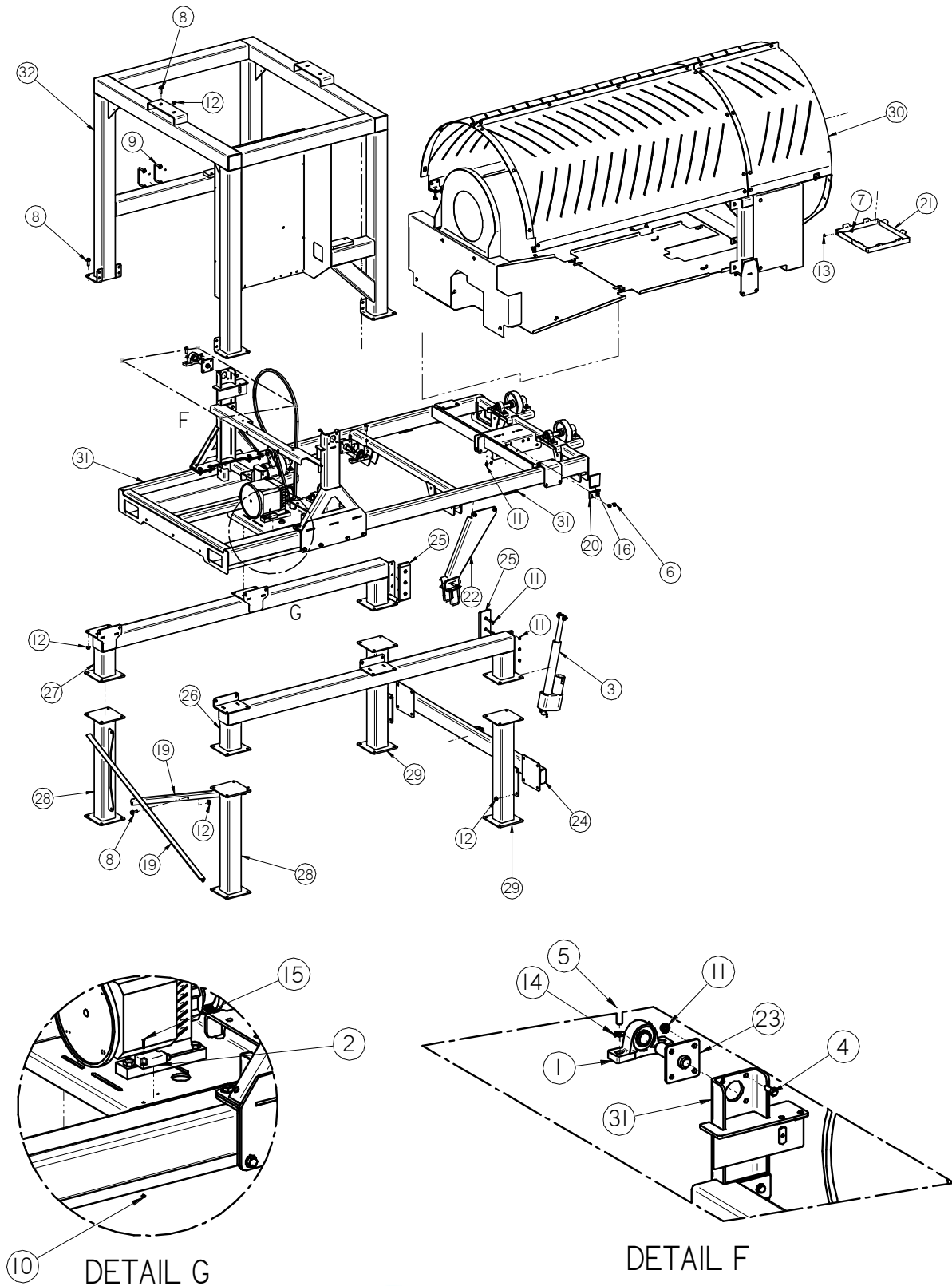
LPV SEED TREATER MECHANICAL DRAWINGS

COMMON BASE ASSEMBLY CHAIN DRIVE HV08 LV08 (18-01-0434 REV C 004)

PART #		18-01-0434 REV C 004		
Item #	Part #	Description	Qty	SEE PAGE #
1	01-03-0060	BRG PLW SEALED 1.00ID STSC	2	
2	03-17-0105	TRCK INCLMTR B2N-10H-Q20L60-2LI2-	1	
3	03-17-0111	ACTR 8"STRK 24VDC LPV TRTR DRUM KIT	1	
4	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	8	
5	06-01-0080	BOLT .500-13 X 1.25 ZP GR5	4	
6	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	18	
7	06-01-0171	BOLT CRG .313-18X.750ZP SHORT NECK	4	
8	06-01-0232	BOLT FLG .500-13 X 1.250 ZP GR5	49	
9	06-02-0033	NUT KLOCK 6-32 ZP	2	
10	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	28	
11	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	49	
12	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	4	
13	06-04-0004	WSHR LOCK SPLT .500 ZP	4	
14	06-06-0088	SCRW MACH 6-32 X .750 PHLP RDHD ZP	2	
15	06-10-0059	BRSH 3IN EXP 20% COND FLMT 3IN OAL	1	
16	09-02-0001	ATWK LBL DANGER FINGERS	3	
17	09-02-0002	ATWK LBL DANGER GRD	2	
18	103614	ANGLE CROSS BRACE	2	
19	103D7E	BRUSH HOLDER	1	
20	18-01-0072	ASSY END CHUTE EXT LPX	1	50
21	18-01-0107	WDMT FORKLIFT PCKT EXT 8FT	2	
22	18-01-0254	WDMT PIVOT PIN AVR	2	
23	18-01-0304	WDMT ACTUATOR MNT	1	
24	18-01-0315	ASSY LPV DRM SHIPPING BRKT	4	50
25	18-01-0316	ASSY DRUM STABILIZER PAD	2	51
26	18-01-0339	WDMT LOWER LEG RH	1	
27	18-01-0340	WDMT LOWER LEG LH	1	
28	18-01-0341	WDMT LOWER LEG EXT X-BRACE MNT	2	
29	18-01-0342	WDMT LOWER LEG EXT ACTR MNT	2	
30	18-01-0437	KIT LPV DRUM GUARDS CHN DRV V4 PNL	1	43
31	18-01-0439	ASSY BASE FR LPV 8FT CHN DRV V4 PNL	1	45
32	18-01-0484	WDMT FR STAND LPV V4 NO SCL BRKTS	1	



LPV SEED TREATER MECHANICAL DRAWINGS
BASE ASSEMBLY PV08 (18-01-0450 REV B 001)

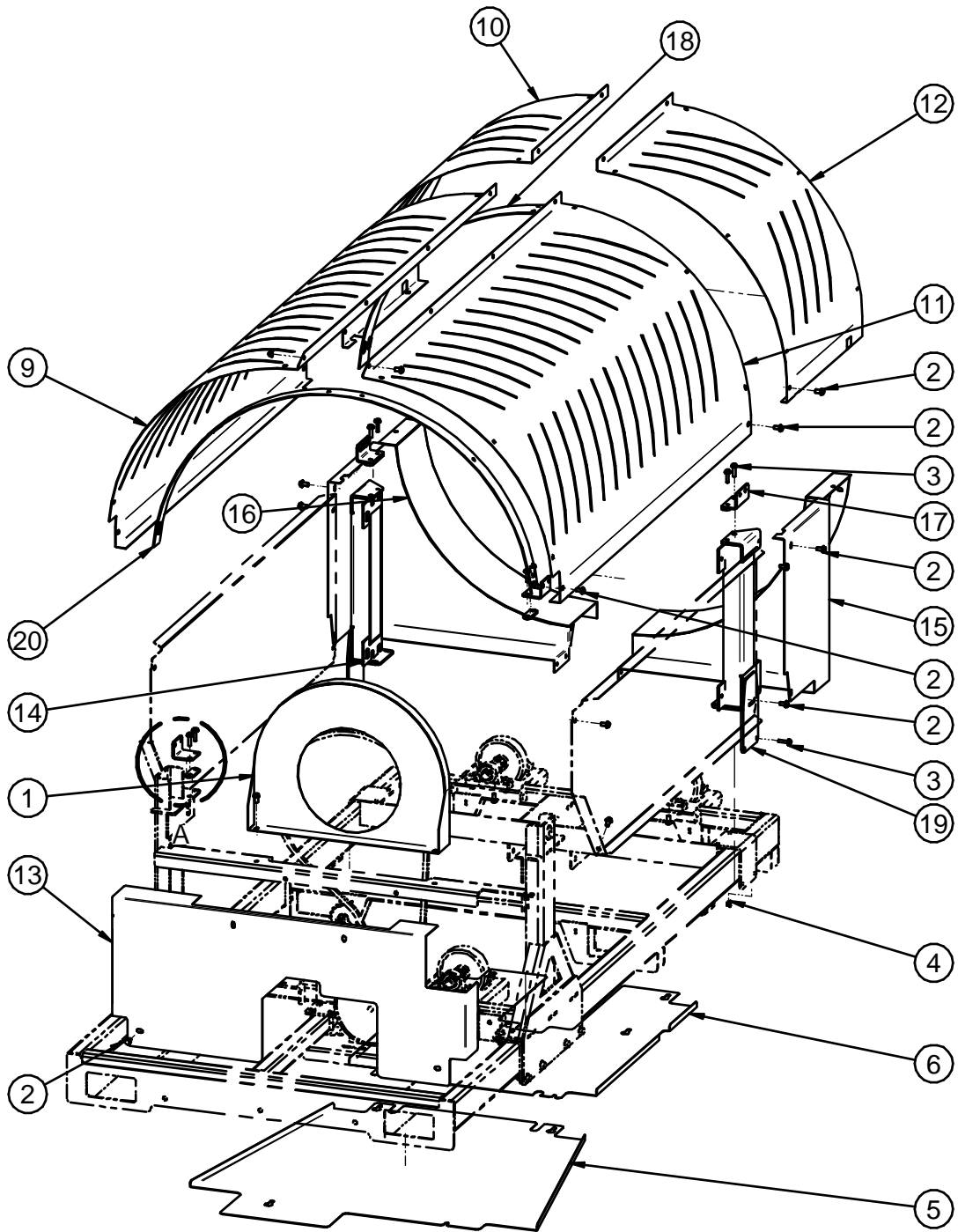


LPV SEED TREATER MECHANICAL DRAWINGS

BASE ASSEMBLY PV08 (18-01-0450 REV B 001)

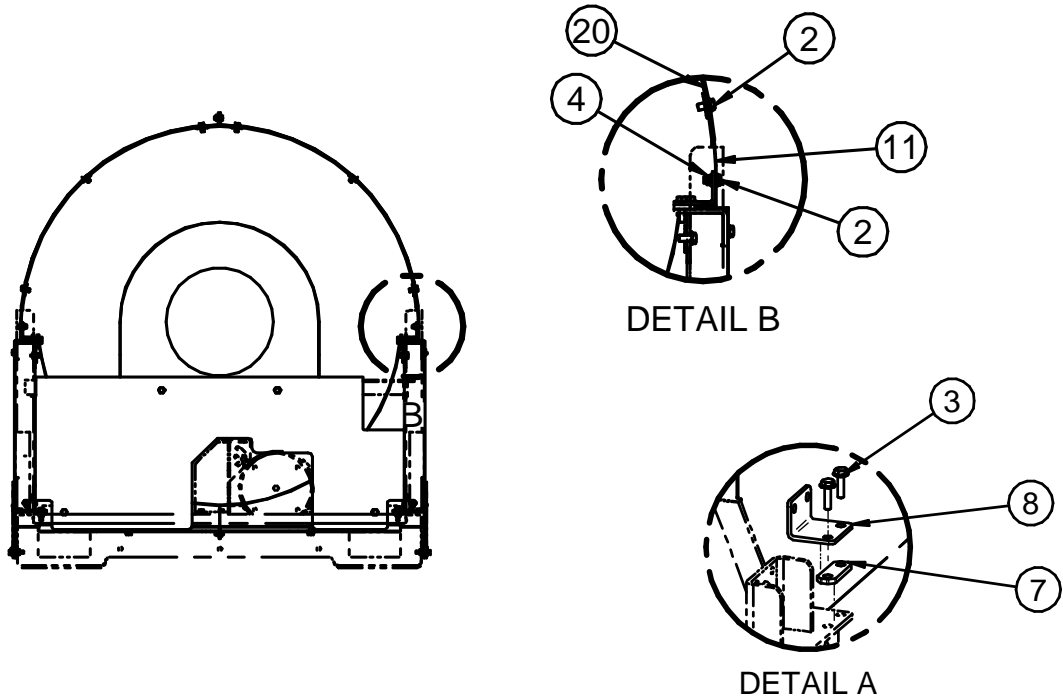
PART #		18-01-0450 REV B 001		
Item #	Part #	Description	Qty	See Page #
1	01-03-0060	BRG PLW SEALED 1.00ID STSC	2	
2	03-17-0105	TRCK INCLMTR B2N-10H-Q20L60-2LI2-	1	
3	03-17-0111	ACTR 8"STRK 24VDC LPV TRTR DRUM KIT	1	
4	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	8	
5	06-01-0080	BOLT .500-13 X 1.25 ZP GR5	4	
6	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	16	
7	06-01-0129	BOLT CRG .313-18 X .500 ZP GR5	4	
8	06-01-0232	BOLT FLG .500-13 X 1.250 ZP GR5	49	
9	06-01-0286	BOLT U .375-16 4 X 4.625 SQ	2	
10	06-02-0033	NUT KLOCK 6-32 ZP	2	
11	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	22	
12	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	49	
13	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	4	
14	06-04-0004	WSHR LOCK SPLT .500 ZP	4	
15	06-06-0088	SCRW MACH 6-32 X .750 PHLP RDHD ZP	2	
16	06-10-0070	CNVR INLET TRTR SEAL	1	
17	09-02-0001	ATWK LBL DANGER FINGERS	3	
18	09-02-0002	ATWK LBL DANGER GRD	1	
19	103614	ANGLE CROSS BRACE	2	
20	103D7E	BRUSH HOLDER	1	
21	10576F	HLDR SKIRT LPV END CHUTE	1	
22	13-05-0608	ASSY TRTR TRANS LOCK	1	51
23	18-01-0254	WDMT PIVOT PIN AVR	2	
24	18-01-0304	WDMT ACTUATOR MNT	1	
25	18-01-0316	ASSY DRUM STABILIZER PAD	2	51
26	18-01-0339	WDMT LOWER LEG RH	1	
27	18-01-0340	WDMT LOWER LEG LH	1	
28	18-01-0341	WDMT LOWER LEG EXT X-BRACE MNT	2	
29	18-01-0342	WDMT LOWER LEG EXT ACTR MNT	2	
30	18-01-0437	KIT LPV DRUM GUARDS CHN DRV V4 PNL	1	43
31	18-01-0439	ASSY BASE FR LPV 8FT CHN DRV V4 PNL	1	45
32	18-01-0451	WDMT FR STAND LPV V4 PNL PORT	1	

DRUM GUARDS HV08 LV08 PV08 (18-01-0437 REV B 001)



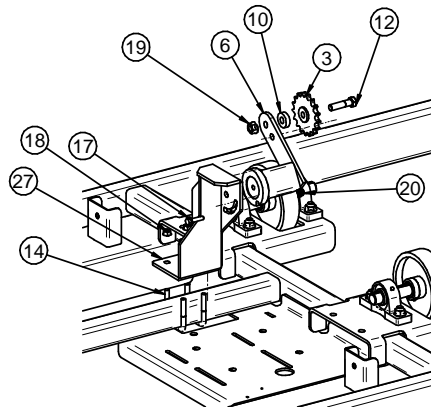
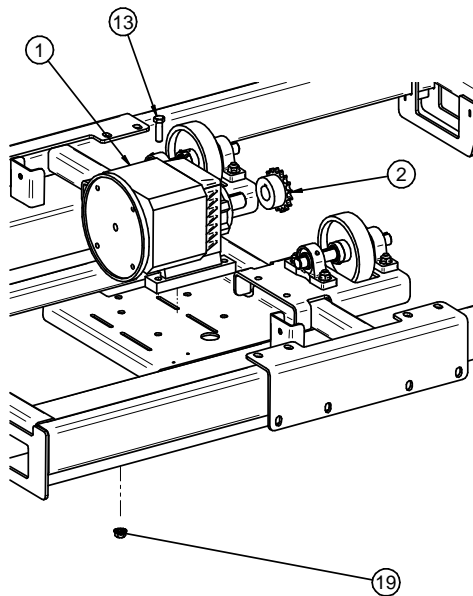
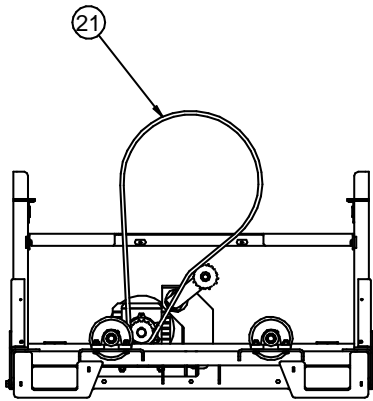
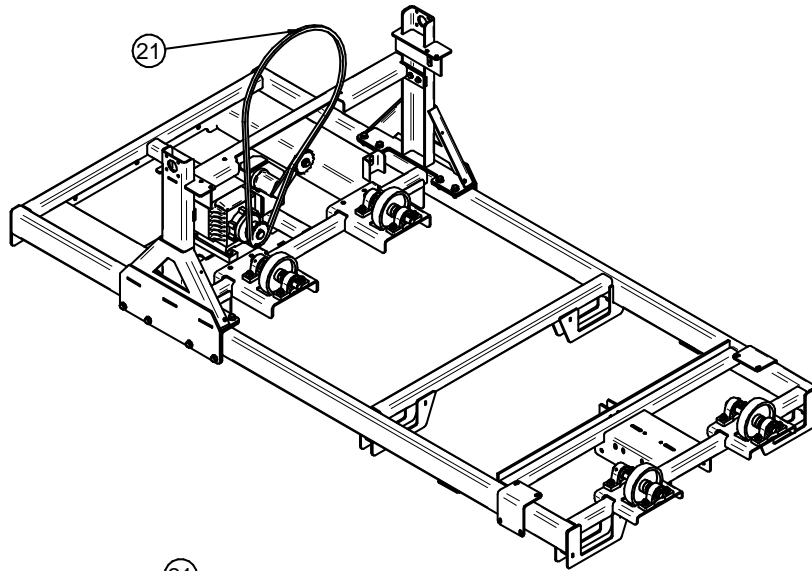
LPV SEED TREATER MECHANICAL DRAWINGS

DRUM GUARDS HV08 LV08 PV08 (18-01-0437 REV B 001)

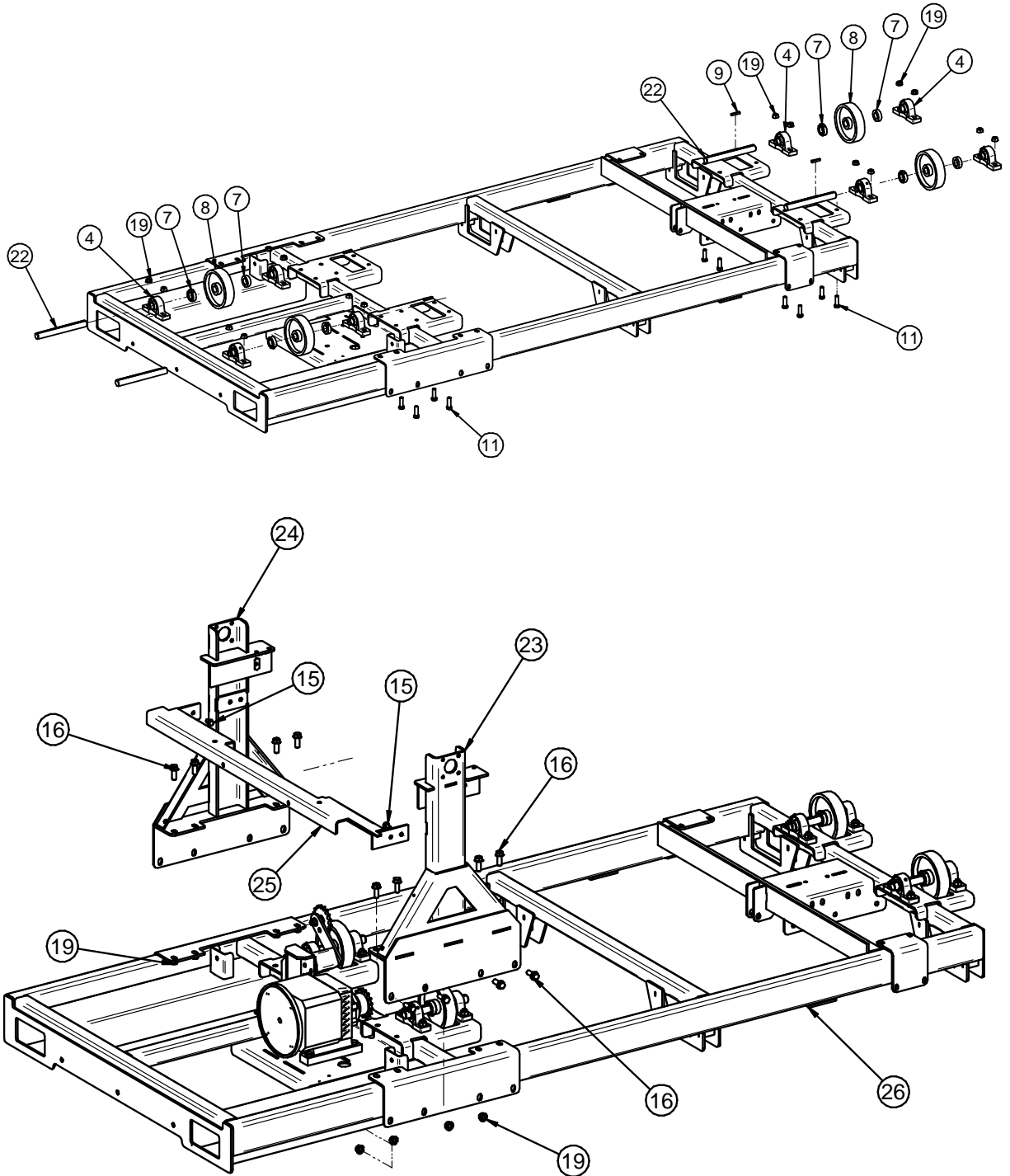


PART #		18-01-0437 REV B 002		
Item #	Part #	Description	Qty	See Page #
1	05-06-0137	WDMT LPV DRM CHAIN GRD	1	
2	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	65	
3	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	16	
4	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	21	
5	103615	GRD DRUM BTM FRNT HALF LPV 8FT	1	
6	103616	GRD DRUM BTM REAR HALF LPV 8FT	1	
7	103BD4	SPACER	2	
8	103BD7	BRKT	2	
9	103BED	GUARD	1	
10	103BEE	GUARD	1	
11	103BF1	GUARD	1	
12	103BF2	GUARD	1	
13	105B67	GRD BTM LPV CHAIN DRV V4 PNL	1	
14	18-01-0306	WDMT GRD SUPP	1	
15	18-01-0307	WDMT GRD	1	
16	18-01-0308	WDMT GRD	1	
17	18-01-0310	WDMT BRKT	2	
18	18-01-0311	WDMT GRD CONNECTOR	1	
19	18-01-0312	WDMT GRD SUPP	1	
20	18-01-0317	WDMT GRD STIFFENER	1	

BASE FRAME ASSEMBLY HV08 LV08 PV08 (18-01-0439 REV C 001)



BASE FRAME ASSEMBLY HV08 LV08 PV08 (18-01-0439 REV C 001)

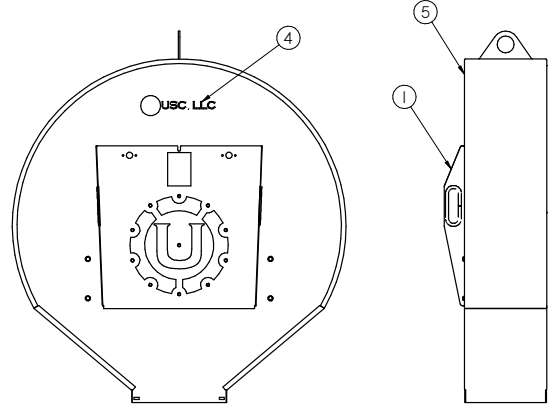


LPV SEED TREATER MECHANICAL DRAWINGS

BASE FRAME ASSEMBLY HV08 LV08 PV08 (18-01-0439 REV C 001)

PART #		18-01-0439 REV C 001		
Item #	Part #	Description	Qty	See Page #
1	01-01-0167	GBOX IL 182-4TC 16.6:1 GR B1 FT MNT	1	
2	01-02-0086	SPKT 17T 50P 1.250ID	1	
3	01-02-0095	SPKT 17T 50P .500 ID IDLER	1	
4	01-03-0036	BRG PLW SEALED 1.00ID ECLO	8	
5	01-04-0005	CHAIN CTNG LINK 50P	1	
6	01-04-0111	TNSNR RT27	1	
7	01-05-0008	SHAFT CLR 1.00ID SPLT	8	
8	01-06-0166	WHL DRV 6 X 1.5 X 1.00ID .250KWY	4	
9	01-10-0005	KEY .250 X 1.50 CS	4	
10	05-10-3811	WSHR .500 ID X 1.25 OD X .375 THK	1	
11	06-01-0025	BOLT .500-13 X 1.50 ZP GR5	16	
12	06-01-0027	BOLT .500-13 X 2.00 ZP GR5	1	
13	06-01-0054	BOLT .500-13 X 1.75 ZP GR5	4	
14	06-01-0121	BOLT U .375-16 X 2.00 X 2.625 ZP *	2	
15	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	4	
16	06-01-0232	BOLT FLG .500-13 X 1.250 ZP GR5	16	
17	06-01-0343	BOLT FLG .3125-18 X 1.25 ZP GR5	1	
18	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	4	
19	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	37	
20	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	1	
21	1053D0	CHAIN LPV DRM DRV	1	
22	1053DC	DRUM DRV SHAFT LPV CHN DRV	4	
23	18-01-0468	WDMT LPV BRG MNT RT	1	
24	18-01-0469	WDMT LPV BRG MNT LT	1	
25	18-01-0470	WDMT GRD MNT	1	
26	18-01-0471	WDMT BASE FR 8 FT CHAIN DRV V4 PNL	1	
27	18-01-0506	WDMT LPV CHAIN IDLER MNT RT27	1	

END CHUTE ASSEMBLY LV08 HV08 (18-01-0270 REV B 000)

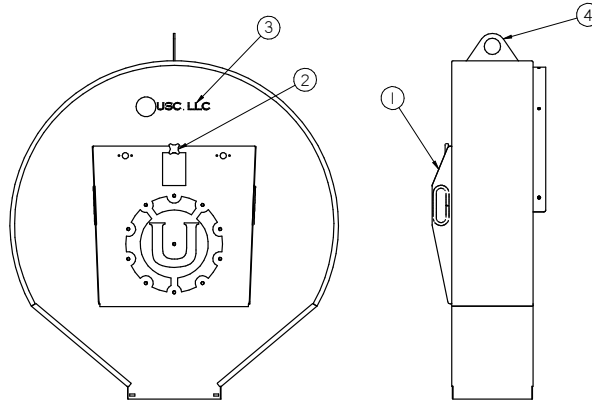


PART #

18-01-0270 REV B 000

Item #	Part #	Description	Qty	See Page #
1	05-07-0198	ASSY END CHUTE DOOR GALV	1	49
2	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	4	
3	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	4	
4	09-01-0042	ATWK LBL USC 11.50 X 3.00 PRO-CUT	1	
5	18-01-0268	WDMT END CHUTE	1	

END CHUTE ASSEMBLY PV08 (18-01-0399 REV B 001)

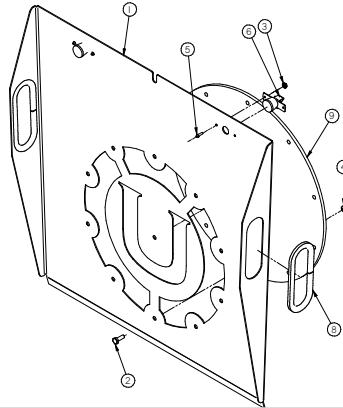


PART #

18-01-0399 REV A 001

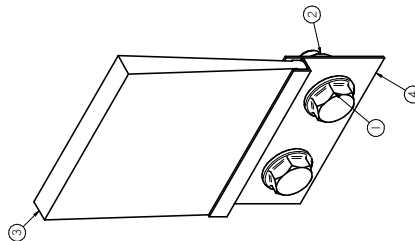
Item #	Part #	Description	Qty	See Page
1	05-07-0198	ASSY END CHUTE DOOR GALV	1	49
2	06-09-0066	KNOB .375 -16 X 1. 4 LUG PLASTIC	1	
3	09-01-0042	ATWK LBL USC 11.50 X 3.00 PRO-CUT	1	
4	18-01-0400	WDMT END CHUTE PORT	1	

END CHUTE DOOR ASSEMBLY LV08 HV08 PV08 (05-07-0198 REV B 001)



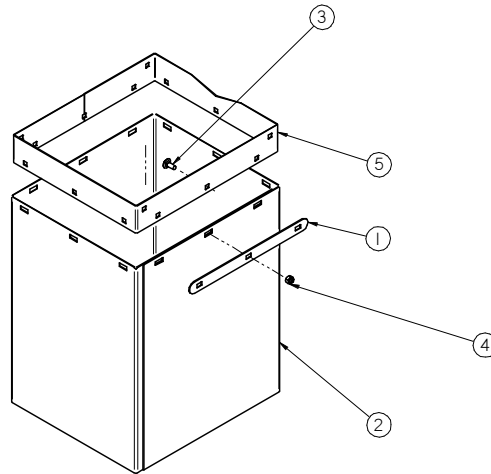
PART #		05-07-0198 REV B 001		
Item #	Part #	Description	Qty	See Page #
1	05-10-3913	PLT DSCHG CHUTE DOOR GALV W LOGO	1	
2	06-01-0006	BOLT .250-20 X .750 ZP GR5	11	
3	06-02-0033	NUT KLOCK 6-32 ZP	4	
4	06-03-0001	NUT NYL LOCK .250-20 ZP GR5	11	
5	06-06-0032	SCRW MACH 6-32 X .500 PHLP RDHD ZP	4	
6	06-09-0028	LATCH SPRING SOUTHCO 57-10-401-10	2	
7	06-10-0025	EDGING SGRPG .375DP X .281W BLK	2.229	
8	09-02-0002	ATWK LBL DANGER GRD	1	
9	102098	COVER	1	
10				

STATIC BRUSH ASSEMBLY HV08 LV08 PV08 (18-01-0343 REV A 001)



PART #		18-01-0343 REV A 001		
Item #	Part #	Description	Qty	See Page #
1	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	2	
2	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	2	
3	06-10-0059	BRSH 3IN EXP 20% COND FLMT 3IN OAL	1	
4	103D7E	BRUSH HOLDER	1	

LPV SEED TREATER MECHANICAL DRAWINGS
END CHUTE LV08 HV08 (18-01-0072 REV B 000)

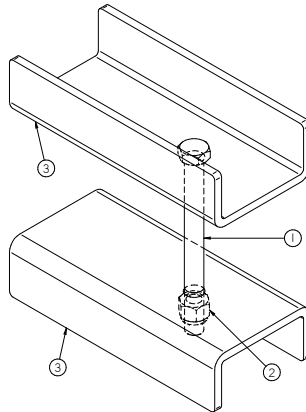


PART #

18-01-0072 REV B 000

Item #	Part #	Description	Qty	See Page #
1	05-10-3400	PLT DSCHG TRTR	4	
2	05-10-3886	SKIRT DSCHG TRTR LPX2000	1	
3	06-01-0171	BOLT CRG .313-18X.750ZP SHORT NECK	12	
4	06-03-0002	NUT NYL LOCK .313-18 ZP GR5	12	
5	101FB5	ADPT END CHUTE EXT LPX2000	1	

SHIPPING LOCK HV08 LV08 PV08 (18-01-0315 REV A 001)



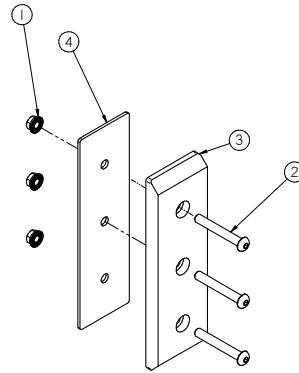
PART #

18-01-0315 REV A 001

Item #	Part #	Description	Qty	See Page #
1	06-01-0106	BOLT .500-13 X 5.50 ZP GR5	1	
2	06-03-0004	NUT NYL LOCK .500-13 ZP GR5	1	
3	103BFF	BRKT	2	

LPV SEED TREATER MECHANICAL DRAWINGS

DRUM STABILIZER HV08 LV08 PV08 (18-01-0316 REV A 000)

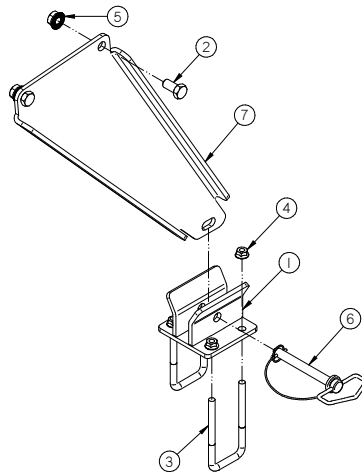


PART #

18-01-0316 REV A 000

Item #	Part #	Description	Qty	See Page #
1	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	3	
2	06-06-0087	SCRW BTN SCKT HD .375-16X2.75 ZP	3	
3	103D3B	UHMW TREATER GUIDE	1	
4	103D3C	BACK PLT	1	

PV08 TRAVEL LOCK ASSEMBLY (13-05-0608 REV A 000)

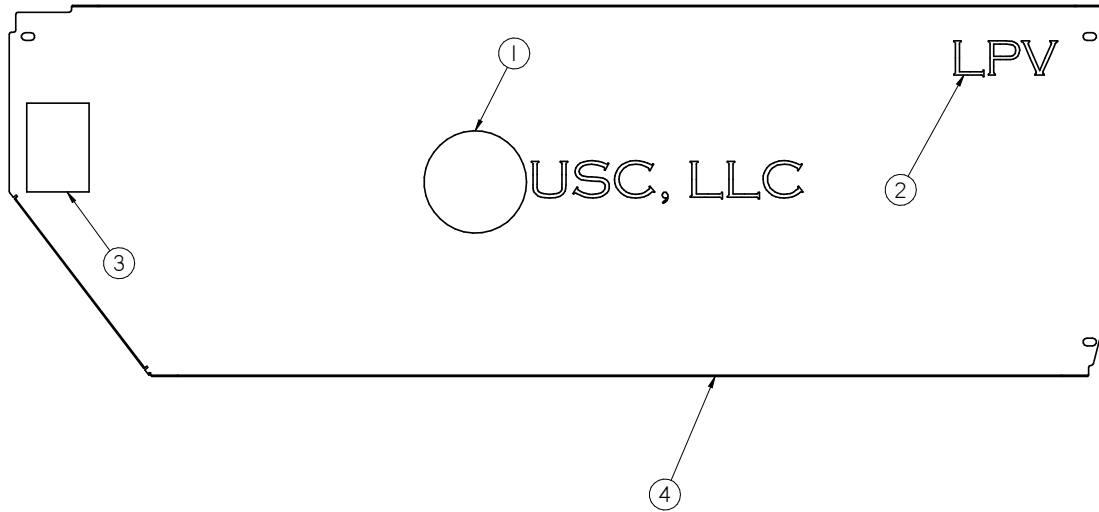


PART #

13-05-0608 REV A 000

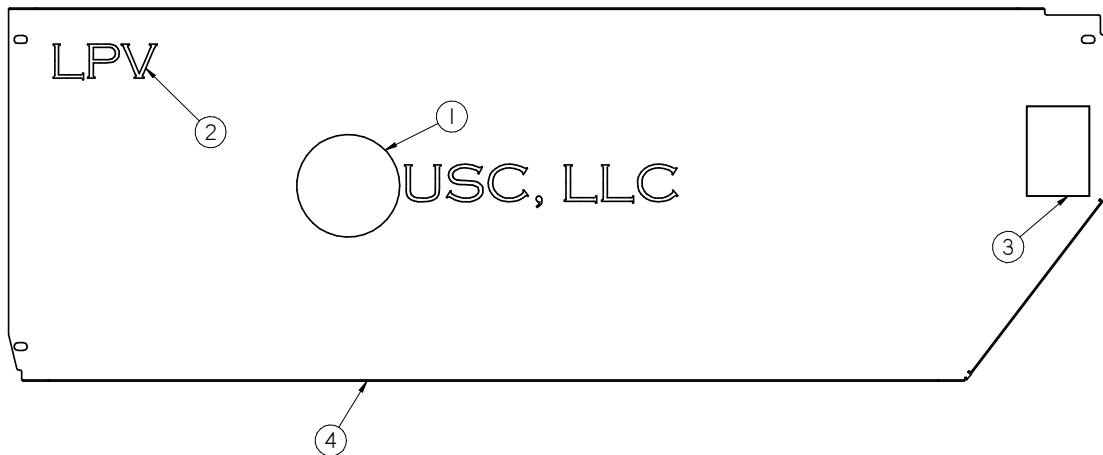
Item #	Part #	Description	Qty	See Page #
1	05-03-1707	WDMT TRTR TRANS LOCK	1	
2	06-01-0069	BOLT .500-13 X 1.00 ZP GR5	2	
3	06-01-0111	BOLT U .375-16 X 2.00 X 4.625 ZP*	2	
4	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	4	
5	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	2	
6	06-09-0053	PIN HITCH .500 X 4.0 LG W-LINCH PIN	1	
7	105765	PLT TRTR LOCK	1	

DRUM GUARD ASSEMBLIES (18-01-0322 REV A 001 & 18-01-0325 REV A 001)



PART # 18-01-0322 REV A 001

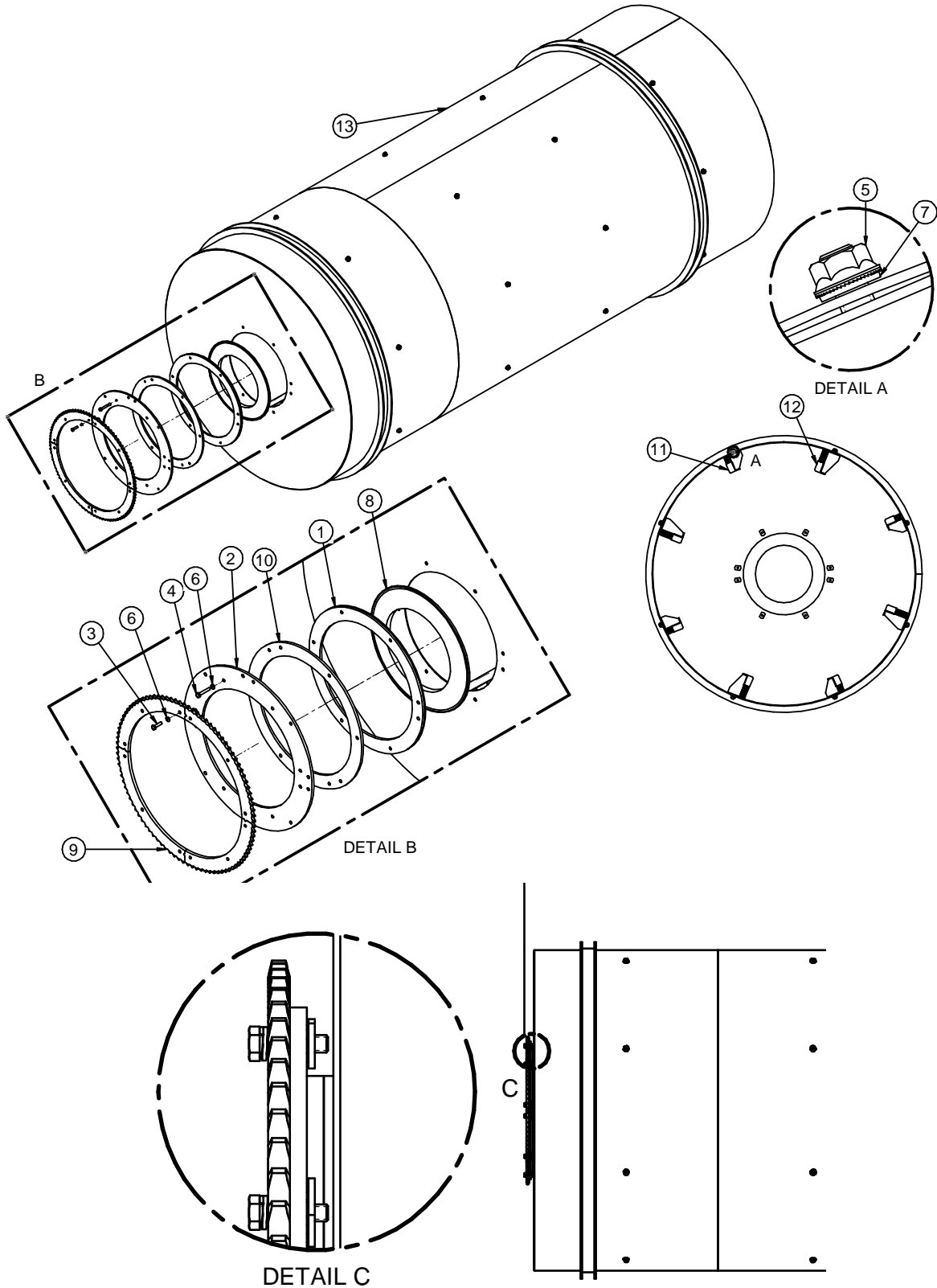
Item #	Part #	Description	Qty	See Page #
1	09-01-0043	ATWK LBL USC 22.00 X 5.75 PRO-CUT	1	
2	09-01-0199	LBL ATWK LPV	1	
3	09-02-0002	ATWK LBL DANGER GRD	1	
4	103BBC	SIDE GRD LPV RT	1	



PART # 18-01-0325 REV A 001

Item #	Part #	Description	Qty	See Page #
1	09-01-0043	ATWK LBL USC 22.00 X 5.75 PRO-CUT	1	
2	09-01-0199	LBL ATWK LPV	1	
3	09-02-0002	ATWK LBL DANGER GRD	1	
4	103BB4	SIDE GRD LPV LT	1	

DRUM ASSEMBLY CARBON STEEL HV08 LV08 PV08 (18-01-0384 REV A 002)

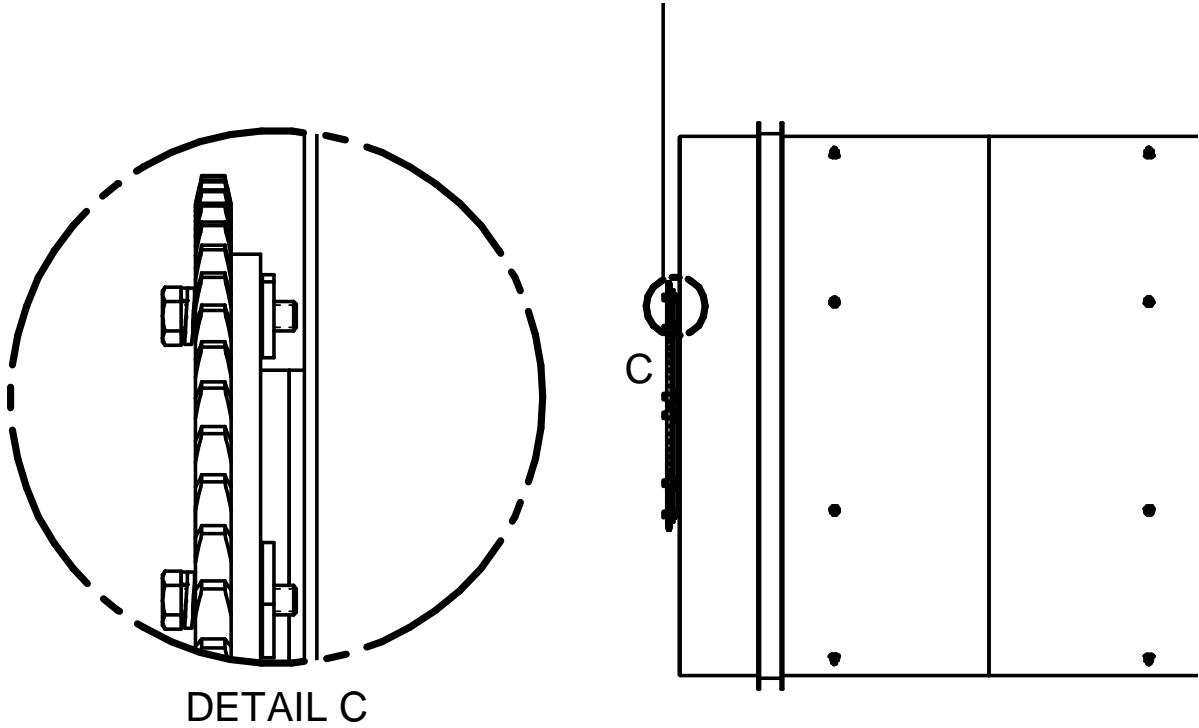
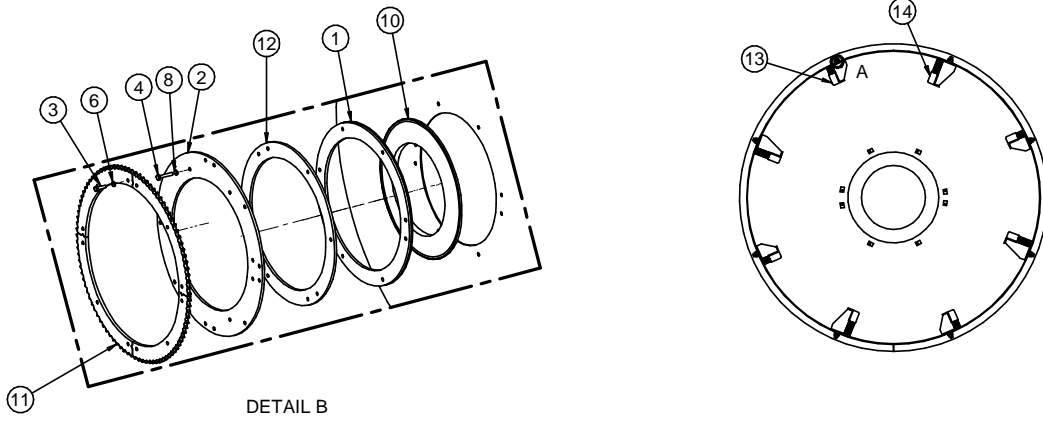
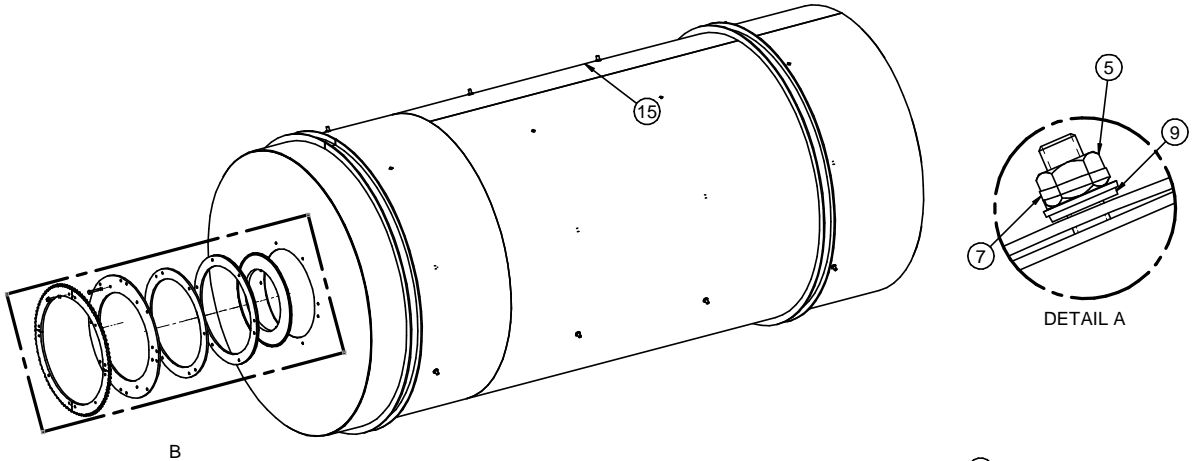


LPV SEED TREATER MECHANICAL DRAWINGS

DRUM ASSEMBLY CARBON STEEL HV08 LV08 PV08 (18-01-0384 REV A 002)

PART #		18-01-0384 REV A 002		
Item #	Part #	Description	Qty	See Page #
1	05-03-1680	WDMT DRM INLET BRSH HOLDER CHN DRV	1	
2	05-03-1681	WDMT FLG LPV SPKT MNT	1	
3	06-01-0007	BOLT .250-20 X 1.00 ZP GR5	12	
4	06-01-0052	BOLT .250-20 X 1.50 ZP GR5	8	
5	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	32	
6	06-04-0001	WSHR LOCK SPLT .250 ZP	20	
7	06-04-0013	WSHR SS BONDED SEALING .375 ID	32	
8	103CE1	DRUM INLET BRUSH	1	
9	1053AF	SPKT LPV DRM DRV #50 96T	4	
10	1053BD	BRUSH HOLDER	1	
11	18-01-0192	WDMT DRUM PDL SHORT 8FT CS	4	
12	18-01-0194	WDMT DRUM PDL TALL 8FT CS	4	
13	18-01-0385	WDMT DRUM LPV 8FT CS CHN DRV	1	

DRUM ASSEMBLY STAINLESS STEEL HV08 LV08 PV08 (18-01-0443 REV A 002)



LPV SEED TREATER MECHANICAL DRAWINGS

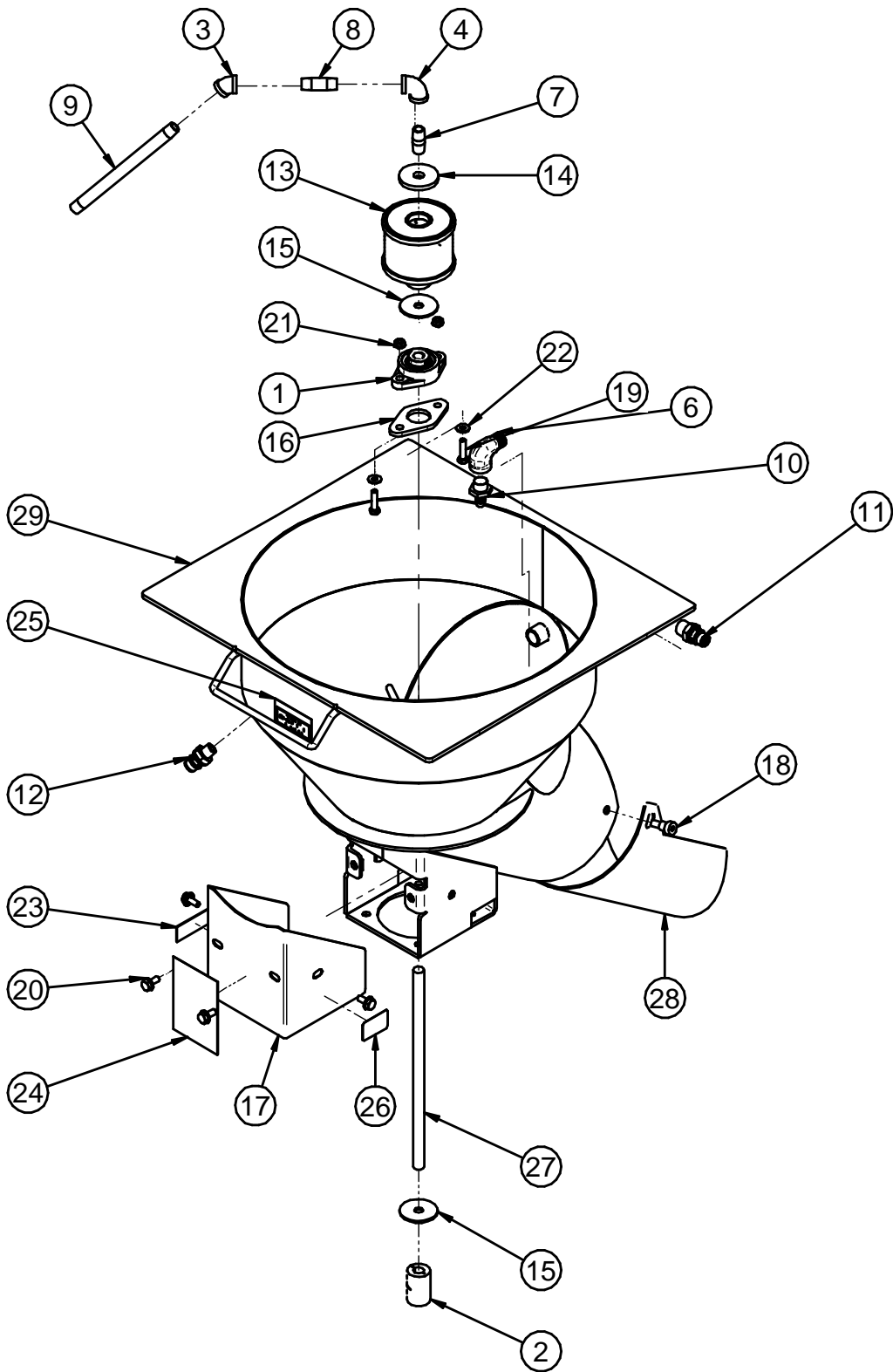
DRUM ASSEMBLY STAINLESS STEEL HV08 LV08 PV08 (18-01-0443 REV A 002)

PART #

18-04-0443 REV A 002

Item #	Part #	Description	Qty	See Page #
1	05-03-1680	WDMT DRM INLET BRSH HOLDER CHN DRV	1	
2	05-03-1681	WDMT FLG LPV SPKT MNT	1	
3	06-01-0007	BOLT .250-20 X 1.00 ZP GR5	12	
4	06-01-0092	BOLT .250-20 X 1.50 SS 18-8	8	
5	06-02-0010	NUT FULL .375-16 SS 18-8	32	
6	06-04-0001	WSHR LOCK SPLT .250 ZP	12	
7	06-04-0008	WSHR LOCK SPLT .375 SS 18-8	32	
8	06-04-0009	WSHR LOCK SPLT .250 SS 18-8	8	
9	06-04-0013	WSHR SS BONDED SEALING .375 ID	32	
10	103CE1	DRUM INLET BRUSH	1	
11	1053AF	SPKT LPV DRM DRV #50 96T	4	
12	1053BD	BRUSH HOLDER	1	
13	18-01-0193	WDMT DRUM PDL SHORT 8FT SS	4	
14	18-01-0195	WDMT DRUM PDL TALL 8FT SS	4	
15	18-01-0442	WDMT DRUM LPV 8FT SS CHN DRV	1	

LPV SEED TREATER MECHANICAL DRAWINGS
ATOMIZER ASSEMBLY HV08 (18-01-0431 REV A 001)



LPV SEED TREATER MECHANICAL DRAWINGS

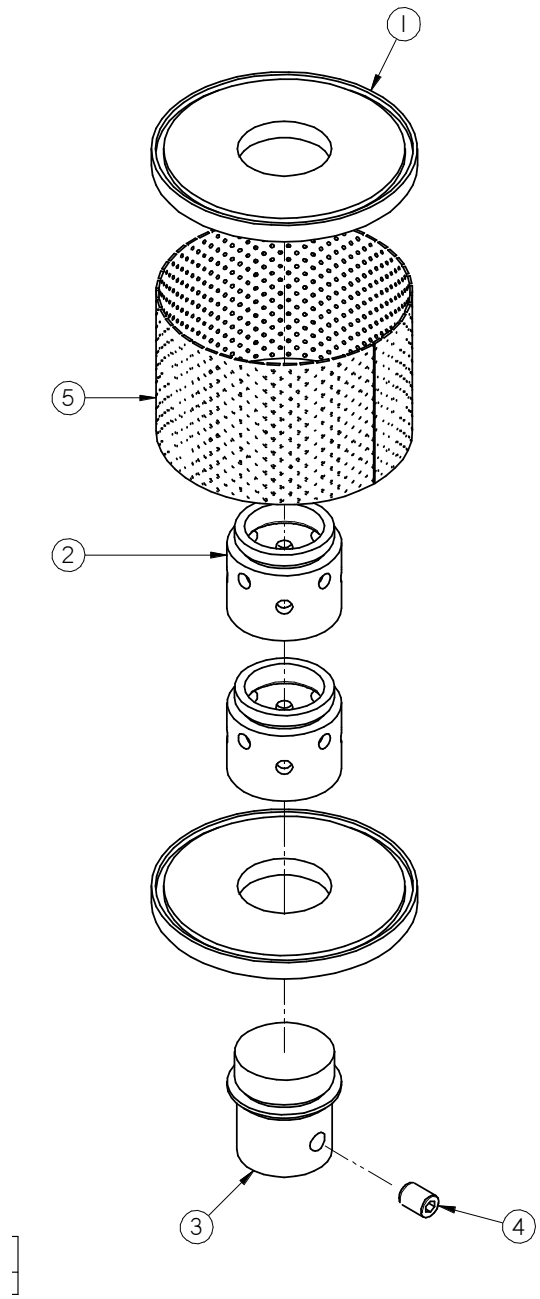
ATOMIZER ASSEMBLY HV08 (18-01-0431 REV A 001)

PART #

18-01-0431 REV A 001

Item #	Part #	Description	Qty	See Page #
1	01-03-0002	BRG FLG MNT .625ID 3.875 BASE	1	
2	01-07-0027	CPLG CLPN .625 X .625 SPLT CS	1	
3	02-06-0007	FTTG 45 DEG .375NPT SS	1	
4	02-06-0008	FTTG 90 DEG .375NPT FM SS	1	
5	02-06-0017	FTTG 90 DEG STRT .500NPT PPE BLK	1	
6	02-06-0020	FTTG 90 DEG STRT.500NPTX .500NPT SS	1	
7	02-07-0002	FTTG NIP .375 NPT X 1.50 TBE SS	1	
8	02-07-0003	FTTG NIP .375 NPT X 2.00 TBE SS	1	
9	02-07-0022	FTTG NIP .375 NPT X 8.00 TBE SS	1	
10	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	1	
11	02-15-0014	FTTG CPLG .500 NPT QCK DISC INSERT	1	
12	02-15-0037	FTTG CPLG .375 NPT QCK DISC INSERT	1	
13	04-01-0033	LP4000 ATMZR	1	59
14	05-10-0360	DISC STD ATMZR HEAD CVR	1	
15	05-10-0805	DISC ATMZR MTR	2	
16	05-10-2462	SEAL RBBR .625 FLG BRG	1	
17	05-10-4029	GRD ATMZR MTR LPX SS	1	
18	06-01-0056	BOLT SHLD .500SHX.375-16X.500 GR5	2	
19	06-01-0102	BOLT .313-18 X 1.25 ZP GR5	2	
20	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	4	
21	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	2	
22	06-05-0001	WSHR FLAT .250 ZP	2	
23	09-01-0107	LBL ATWK PATENT DECAL ROT ATOM	1	
24	09-02-0002	ATWK LBL DANGER GRD	1	
25	09-02-0004	ATWK LBL GRS 40HRS	1	
26	09-02-0013	ATWK LBL ROTATION ARROW	1	
27	1059C4	SHAFT DRV ATMZR LPV3000	1	
28	105A97	LPV3000 ATMZR EXT CHUTE	1	
29	18-01-0427	WDMT ATMZR LPV3000	1	

LPV SEED TREATER MECHANICAL DRAWINGS
ATOMIZER ASSEMBLY HV08 (04-01-0033 REV A 000)



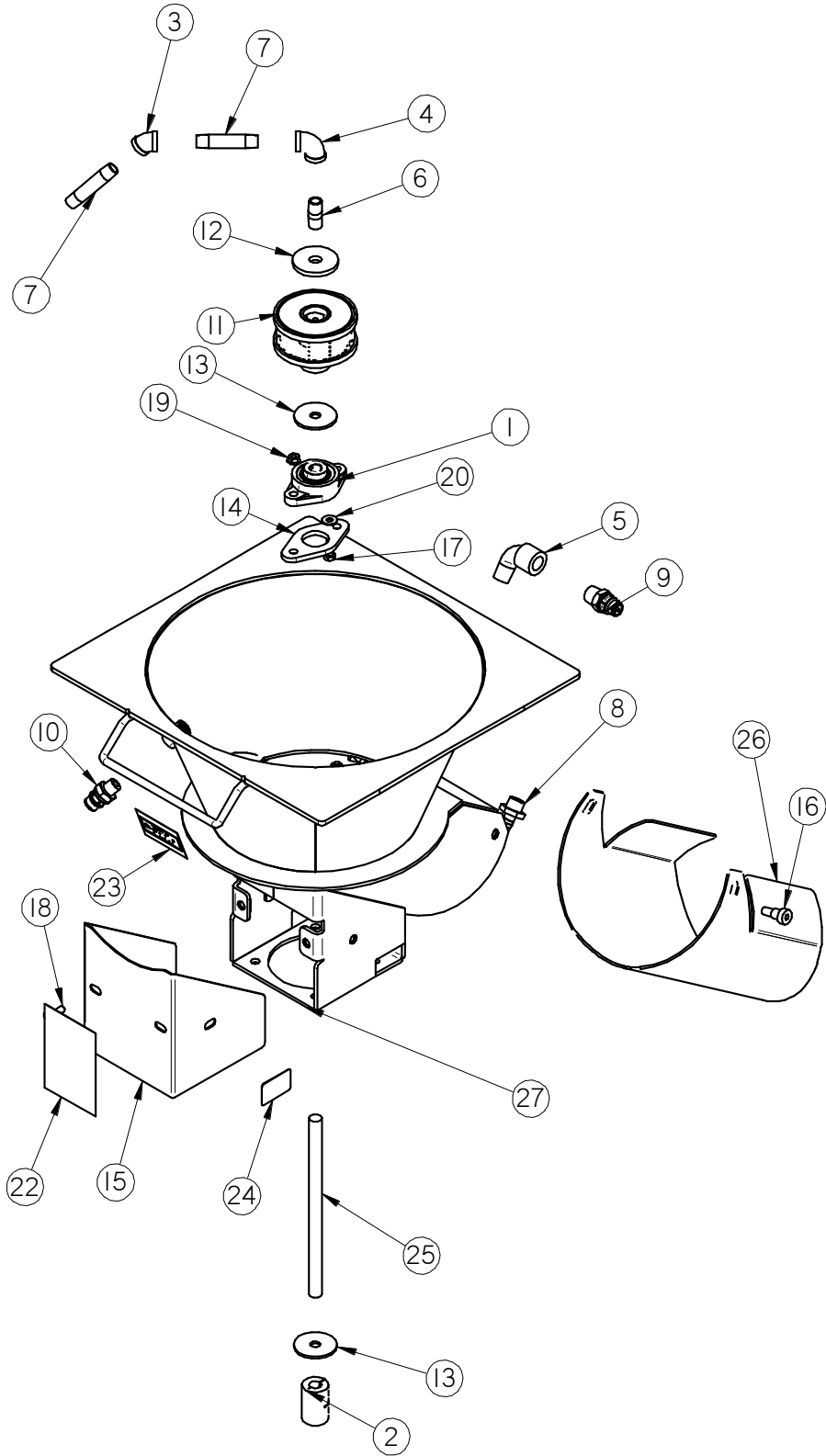
PART #

04-01-0033 REV A 000

Item #	Part #	Description	Qty	See Page #
1	05-11-0014	PLT ATMZR CAP	2	
2	05-11-0015	SLV ATMZR SPCR	2	
3	05-11-0016	SPUD BTM DRV	1	
4	06-06-0003	SCRW SCKT .375-16 X .500 SS 18-8	1	
5	13-05-0148	SCRN ATMZR COT 2.575 X 12.00	1	



ATOMIZER ASSEMBLY LV08 PV08 (18-01-0359 REV A 001)



LPV SEED TREATER MECHANICAL DRAWINGS

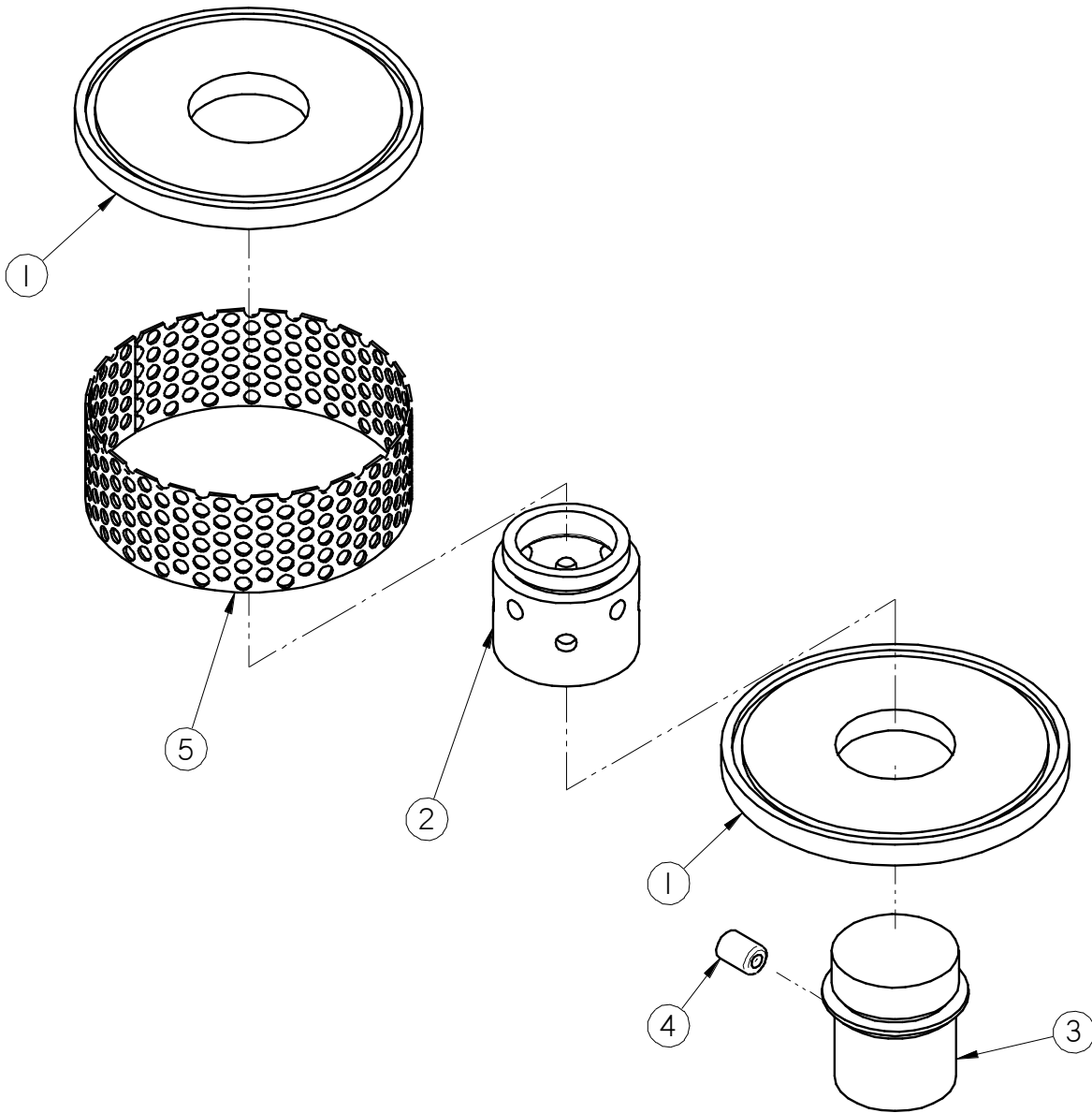
ATOMIZER ASSEMBLY LV08 PV08 (18-01-0359 REV A 001)

PART #

18-01-0359 REV A 001

Item #	Part #	Description	Qty	See Page #
1	01-03-0002	BRG FLG MNT .625ID 3.875 BASE	1	
2	01-07-0027	CPLG CLPN .625 X .625 SPLT CS	1	
3	02-06-0007	FTTG 45 DEG .375NPT SS	1	
4	02-06-0008	FTTG 90 DEG .375NPT FM SS	1	
5	02-06-0017	FTTG 90 DEG STRT .500NPT PPE BLK	1	
6	02-07-0002	FTTG NIP .375 NPT X 1.50 TBE SS	1	
7	02-07-0020	FTTG NIP .375 NPT X 3.00 TBE SS	2	
8	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	1	
9	02-15-0014	FTTG CPLG .500 NPT QCK DISC INSERT	1	
10	02-15-0037	FTTG CPLG .375 NPT QCK DISC INSERT	1	
11	04-02-0004	ASSY ATMZR HEAD COT	1	62
12	05-10-0360	DISC STD ATMZR HEAD CVR	1	
13	05-10-0805	DISC ATMZR MTR	2	
14	05-10-2462	SEAL RBBR .625 FLG BRG	1	
15	05-10-4029	GRD ATMZR MTR LPX SS	1	
16	06-01-0056	BOLT SHLD .500SHX.375-16X.500 GR5	2	
17	06-01-0102	BOLT .313-18 X 1.25 ZP GR5	2	
18	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	4	
19	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	2	
20	06-05-0001	WSHR FLAT .250 ZP	2	
21	09-01-0107	LBL ATWK PATENT DECAL ROT ATOM	1	
22	09-02-0002	ATWK LBL DANGER GRD	1	
23	09-02-0004	ATWK LBL GRS 40HRS	1	
24	09-02-0013	ATWK LBL ROTATION ARROW	1	
25	101FAF	SHAFT DRV ATMZR LPX2000	1	
26	103D73	LPV2000 ATMZR EXT CHUTE FOR BRUSH	1	
27	18-01-0066	WDMT ATMZR LPX2000 SS	1	

ATOMIZER ASSEMBLY LV08 PV08 (04-02-0004 REV A 000)

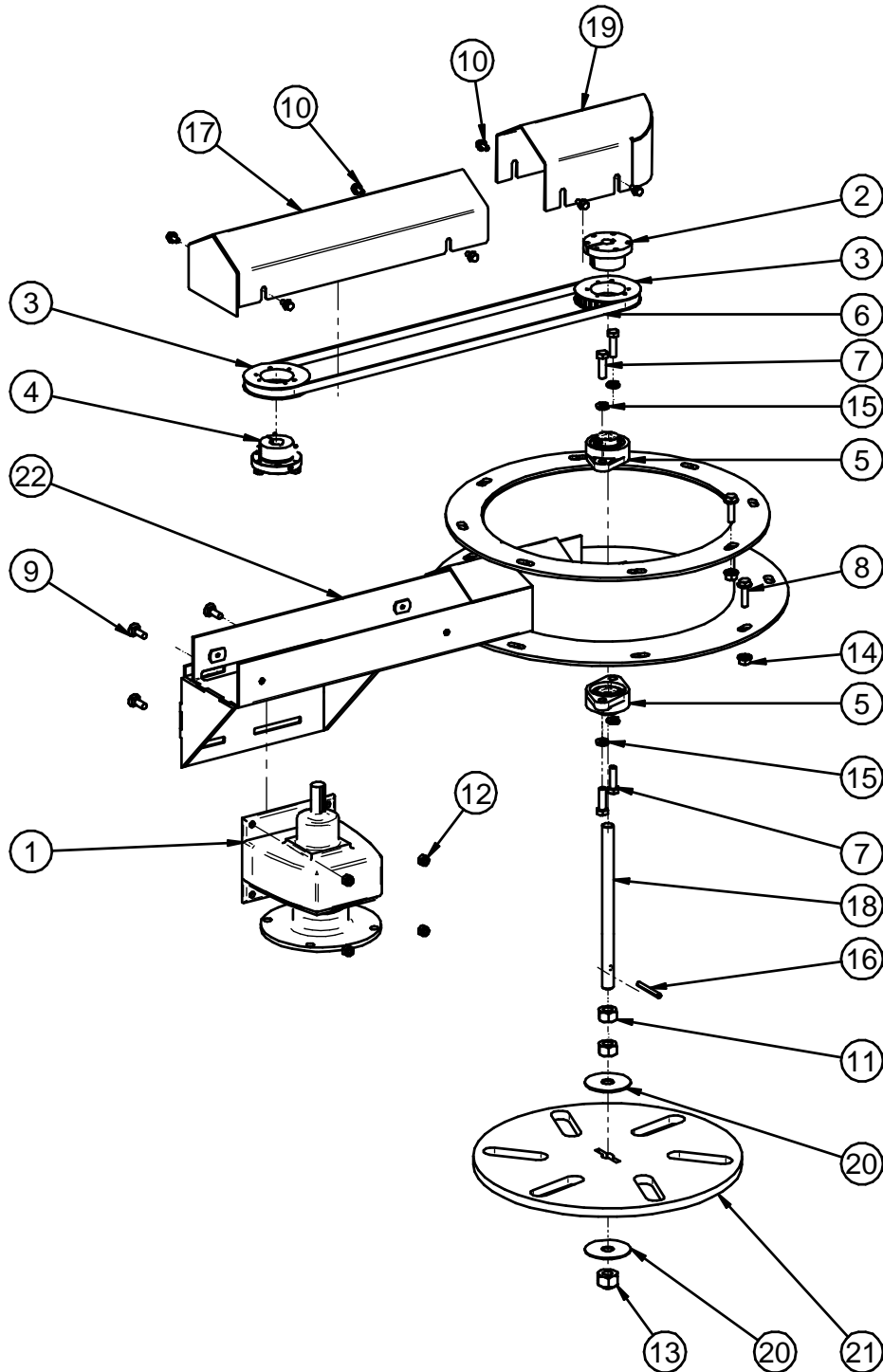


PART #

04-02-0004 REV A 000

Item #	Part #	Description	Qty	See Page #
1	05-11-0014	PLT ATMZR CAP	2	
2	05-11-0015	SLV ATMZR SPCR	1	
3	05-11-0016	SPUD BTM DRV	1	
4	06-06-0003	SCRW SCKT .375-16 X .500 SS 18-8	1	
5	13-05-0032	SCRN ATMZR COT 1.375 X 12.25	1	

LPV SEED TREATER MECHANICAL DRAWINGS
NEBULIZER ASSEMBLY HV08 (18-01-0432 REV A 001)



LPV SEED TREATER MECHANICAL DRAWINGS

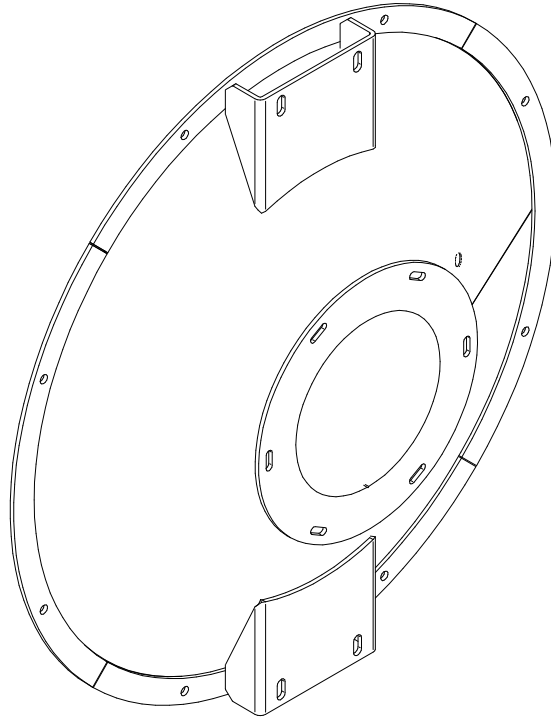
NEBULIZER ASSEMBLY HV08 (18-01-0432 REV A 001)

PART #

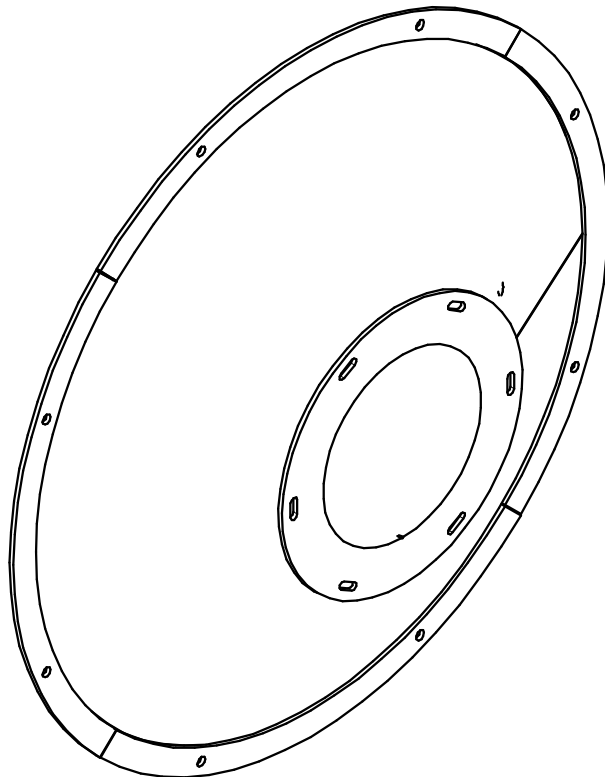
18-01-0432 REV C 004

Item #	Part #	Description	Qty	See Page #
1	01-01-0029	GBOX IL CBN-3012-S-V6-18-U-56C	1	
2	01-02-0019	BUSH 0.625IN BORE TYPE SH	1	
3	01-02-0025	PLLY GBLT 28T L050 SH	2	
4	01-02-0136	BUSH 0.75 BORE TYPE SH	1	
5	01-03-0002	BRG FLG MNT .625ID 3.875 BASE	2	
6	01-04-0027	GBLT 540L050	1	
7	06-01-0053	BOLT .375-16 X 1.25 ZP GR5	4	
8	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	16	
9	06-01-0223	BOLT CRG .313-18 X 1.00 ZP GR5	4	
10	06-01-0299	BOLT FLG .250-20 X .500 ZP GR5	8	
11	06-02-0005	NUT FULL .625-11 ZP GR5	2	
12	06-03-0002	NUT NYL LOCK .313-18 ZP GR5	4	
13	06-03-0005	NUT NYL LOCK .625-11 ZP	1	
14	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	16	
15	06-04-0003	WSHR LOCK SPLT .375 ZP	4	
16	06-09-0065	PIN SPG .250 X 2.00 CS PLAIN	1	
17	104E3B	WDMT GRD BELT	1	
18	1055B4	SHFT NEBULIZER	1	
19	105663	COVER 1	1	
20	105665	WSHR .625 X 205 SS 14 GA	2	
21	105A1E	DISK NEBULIZER	1	
22	18-01-0433	WDMT MTR SUPT NBLZR LPV3000	1	

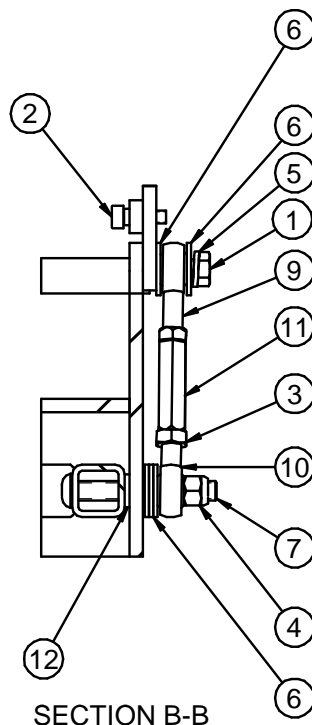
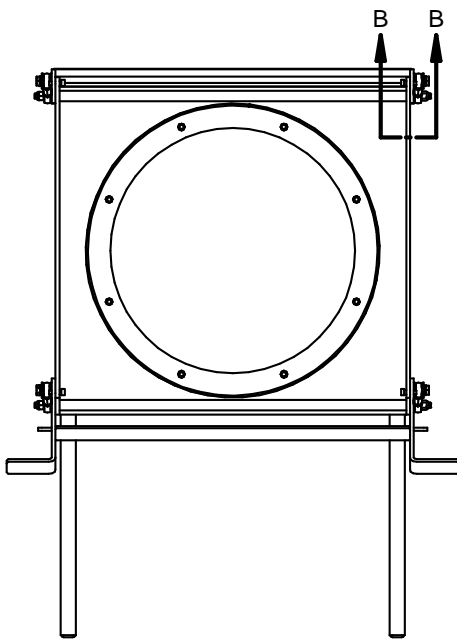
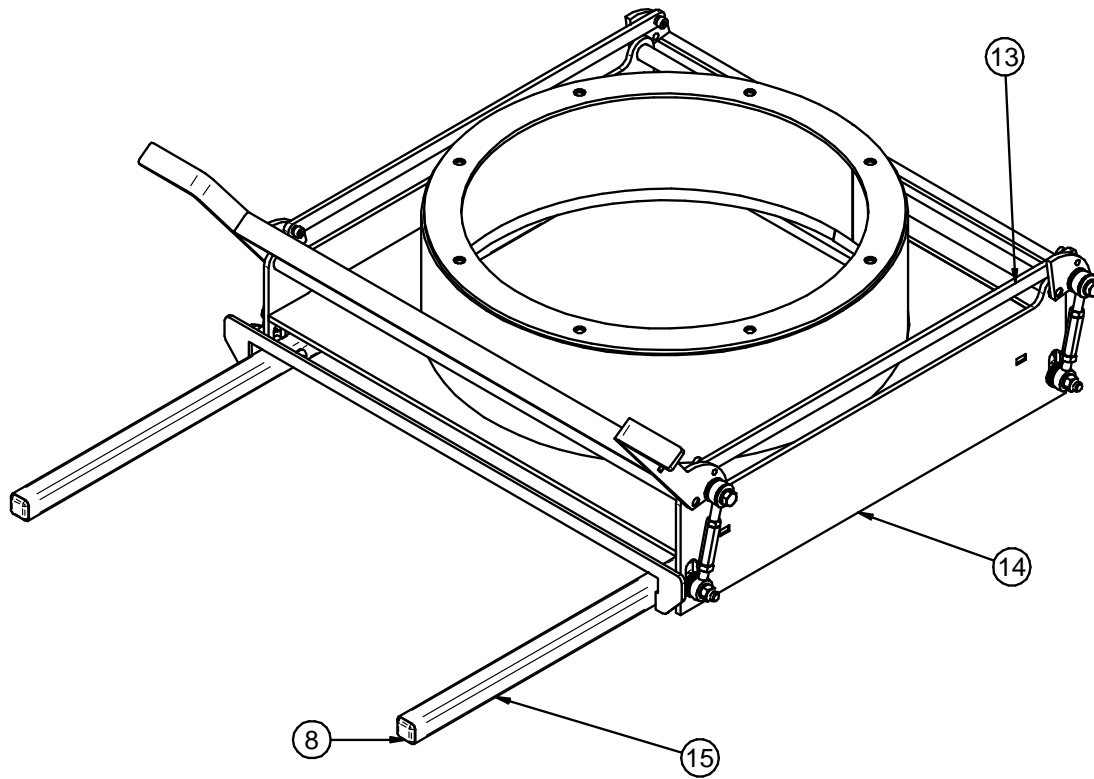
WELDMENT INLET HOPPER LV08 (18-01-0252 REV A 004)



WELDMENT INLET HOPPER PV08 (18-01-0398 REV A 000)



LPV SEED TREATER MECHANICAL DRAWINGS
FLOW CHAMBER HV08 (18-01-0430 REV A 000)



LPV SEED TREATER MECHANICAL DRAWINGS
FLOW CHAMBER HV08 (18-01-0430 REV A 000)

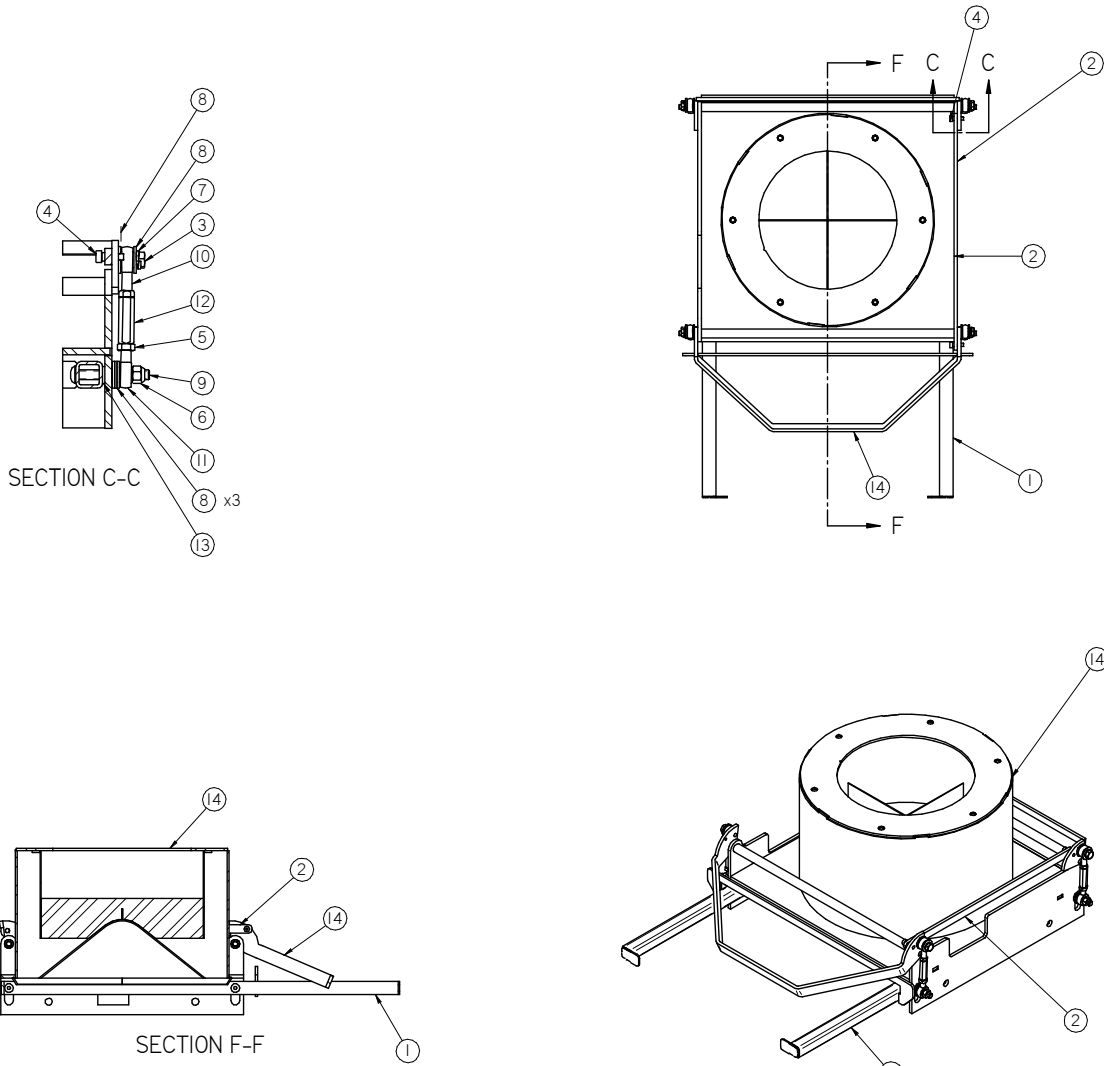
PART #

18-01-0430 REV A 000

Item #	Part #	Description	Qty	See Page #
1	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	4	
2	06-01-0081	BOLT SHLD .313SHX.250-20X.375 GR5	4	
3	06-02-0035	NUT JAM .375-24 ZP GR5	4	
4	06-03-0003	NUT NYL LOCK .375-16 ZP GR5	4	
5	06-04-0003	WSHR LOCK SPLT .375 ZP	4	
6	06-05-0004	WSHR FLAT .375 ZP	20	
7	06-06-0087	SCRW BTN SCKT HD .375-16X2.75 ZP	4	
8	06-10-0027	PLUG POLYE RIBBED 1 X 1 X 10GA TBG	2	
9	06-12-0002	REND .375-24 BALL LH	4	
10	06-12-0003	REND .375-24 BALL RH	4	
11	06-12-0006	ROD CTNG .375-24 X 2.00 LH RH FM	4	
12	06-12-0007	BUSH DRILL.375ID X .625OD X .375	4	
13	1059CB	BAR ECNTRC CONNECTING LPV3000 CS	2	
14	18-01-0428	WDMT FLOW CHMBR LPV3000 CS	1	
15	18-01-0429	WDMT MAIN CHMBR SUPP BRKT LPV3000 S	1	

LPV SEED TREATER MECHANICAL DRAWINGS

FLOW CHAMBER ASSEMBLY LV08 (18-01-0350 REV A 001)



LPV SEED TREATER MECHANICAL DRAWINGS

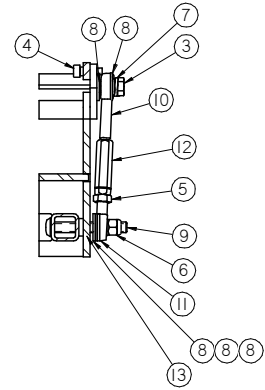
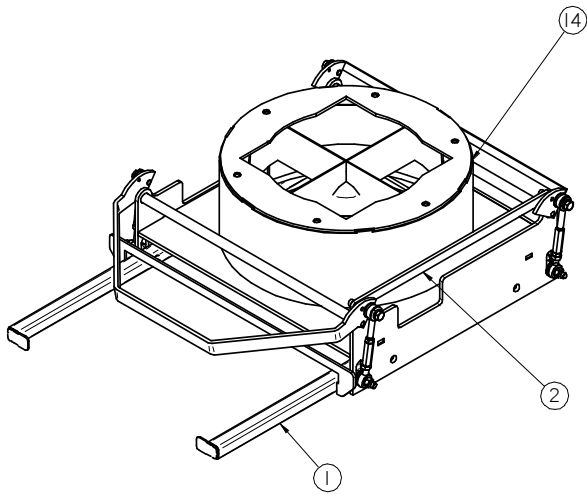
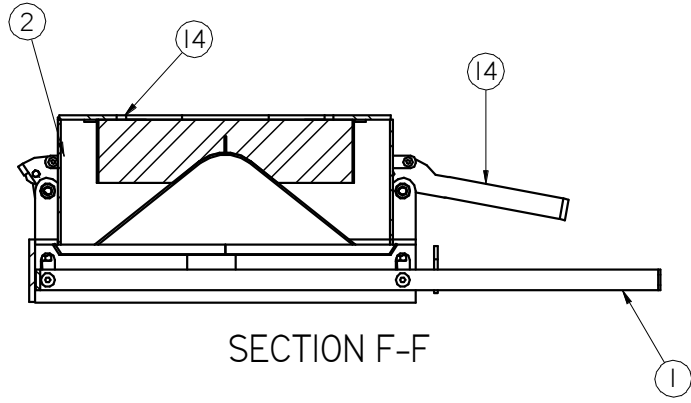
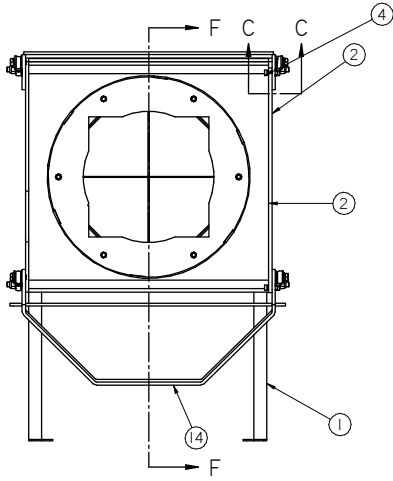
FLOW CHAMBER ASSEMBLY LV08 (18-01-0350 REV A 001)

PART #

18-01-0350 REV A 001

Item #	Part #	Description	Qty	See Page #
1	05-03-0336	WDMT MAIN CHMBR SUPP BRKT LX2000 SS	1	
2	05-10-2062	BAR ECNTRC CTNG LX2000 CS	1	
3	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	4	
4	06-01-0081	BOLT SHLD .313SHX.250-20X.375 GR5	2	
5	06-02-0035	NUT JAM .375-24 ZP GR5	4	
6	06-03-0003	NUT NYL LOCK .375-16 ZP GR5	4	
7	06-04-0003	WSHR LOCK SPLT .375 ZP	4	
8	06-05-0004	WSHR FLAT .375 ZP	20	
9	06-06-0087	SCRW BTN SCKT HD .375-16X2.75 ZP	4	
10	06-12-0002	REND .375-24 BALL LH	4	
11	06-12-0003	REND .375-24 BALL RH	4	
12	06-12-0006	ROD CTNG .375-24 X 2.00 LH RH FM	4	
13	06-12-0007	BUSH DRILL.375ID X .625OD X .375	4	
14	18-01-0351	WDMT FLOW CHMBR LPX2000 CS	1	

FLOW CHAMBER ASSEMBLY PV08 (105503 REV A 002)



SECTION C-C

LPV SEED TREATER MECHANICAL DRAWINGS

FLOW CHAMBER ASSEMBLY PV08 (105503 REV A 002)

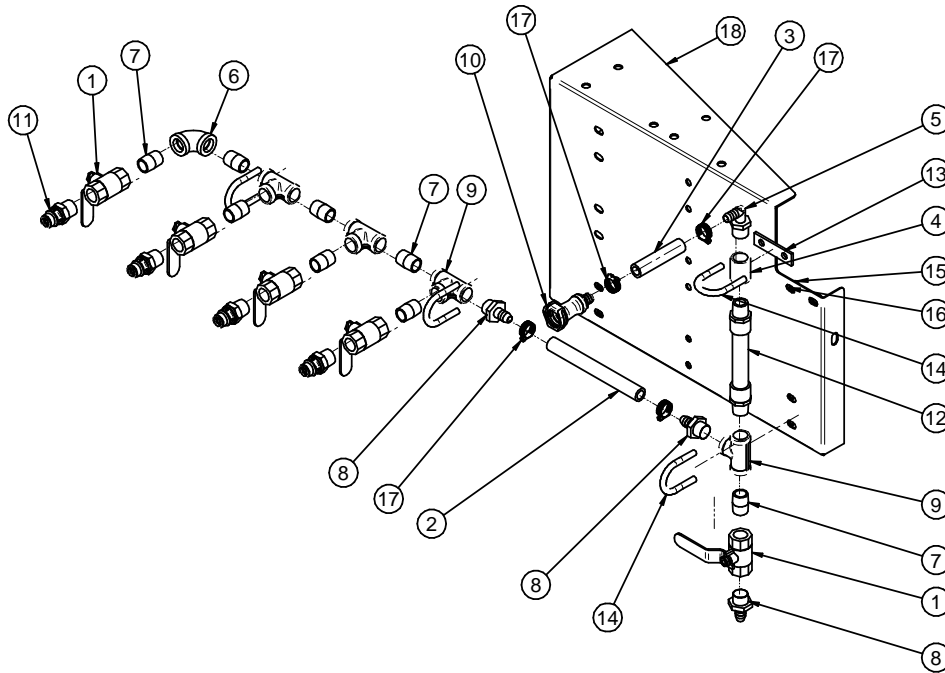
PART #

105503 REV A 002

Item #	Part #	Description	Qty	See Page #
1	05-03-0336	WDMT MAIN CHMBR SUPP BRKT LX2000 SS	1	
2	05-10-2062	BAR ECNTRC CTNG LX2000 CS	1	
3	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	4	
4	06-01-0081	BOLT SHLD .313SHX.250-20X.375 GR5	2	
5	06-02-0035	NUT JAM .375-24 ZP GR5	4	
6	06-03-0003	NUT NYL LOCK .375-16 ZP GR5	4	
7	06-04-0003	WSHR LOCK SPLT .375 ZP	4	
8	06-05-0004	WSHR FLAT .375 ZP	20	
9	06-06-0087	SCRW BTN SCKT HD .375-16X2.75 ZP	4	
10	06-12-0002	REND .375-24 BALL LH	4	
11	06-12-0003	REND .375-24 BALL RH	4	
12	06-12-0006	ROD CTNG .375-24 X 2.00 LH RH FM	4	
13	06-12-0007	BUSH DRILL.375ID X .625OD X .375	4	
14	105505	WDMT FLOW CHMBR SHORT	1	

LPV SEED TREATER MECHANICAL DRAWINGS

STATIC MIXER ASSEMBLY (04-03-0305 REV A 002)



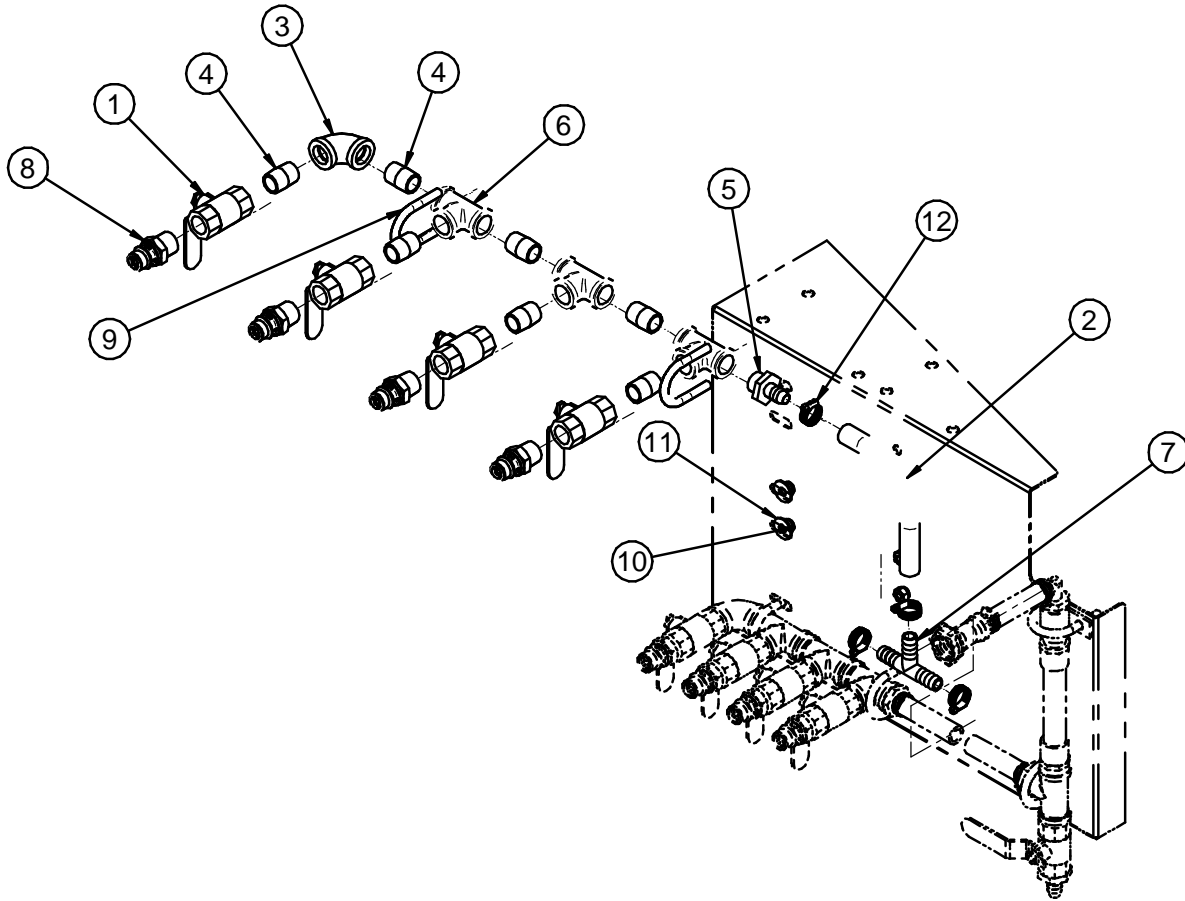
PART #

04-03-0305 REV A 002

Item #	Part #	Description	Qty	See Page #
1	02-02-0006	VLV BALL .500 NPT 2WAY BRSS	5	
2	02-03-0005	HOSE RNT .500 CLEAR	0.568	
3	02-05-0005	FTTG CPLG .500 NPT FM SS	1	
4	02-06-0010	FTTG 90 DEG .500HB X .500NPT ML NYL	1	
5	02-06-0012	FTTG 90 DEG .500NPT FM SS	1	
6	02-07-0007	FTTG NIP .500NPTX1.125 TBE SS CLOSE	8	
7	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	3	
8	02-09-0003	FTTG TEE .500 NPT FM SS	4	
9	02-15-0013	FTTG CPLG .500 HB QCK DISC BODY	1	
10	02-15-0014	FTTG CPLG .500 NPT QCK DISC INSERT	4	
11	04-03-0030	MXR IL PVC 6ELEMENT .500PIPE X 7.00	1	
12	05-10-2477	SPCR STTC MXR MNT	1	
13	06-01-0037	BOLT U .313-18 X 1.00 X .375 ZP GR5	4	
14	06-03-0002	NUT NYL LOCK .313-18 ZP GR5	8	
15	06-05-0003	WSHR FLAT .313 ZP	6	
16	06-07-0006	CLMP HOSE .500 TO .906 X .313W ZP	4	
17	105BA4	WDMT STTC MXR MNT 12 PORT	1	

LPV SEED TREATER MECHANICAL DRAWINGS

STATIC MIXER ADDON ASSEMBLY (04-03-0306 REV A 001)

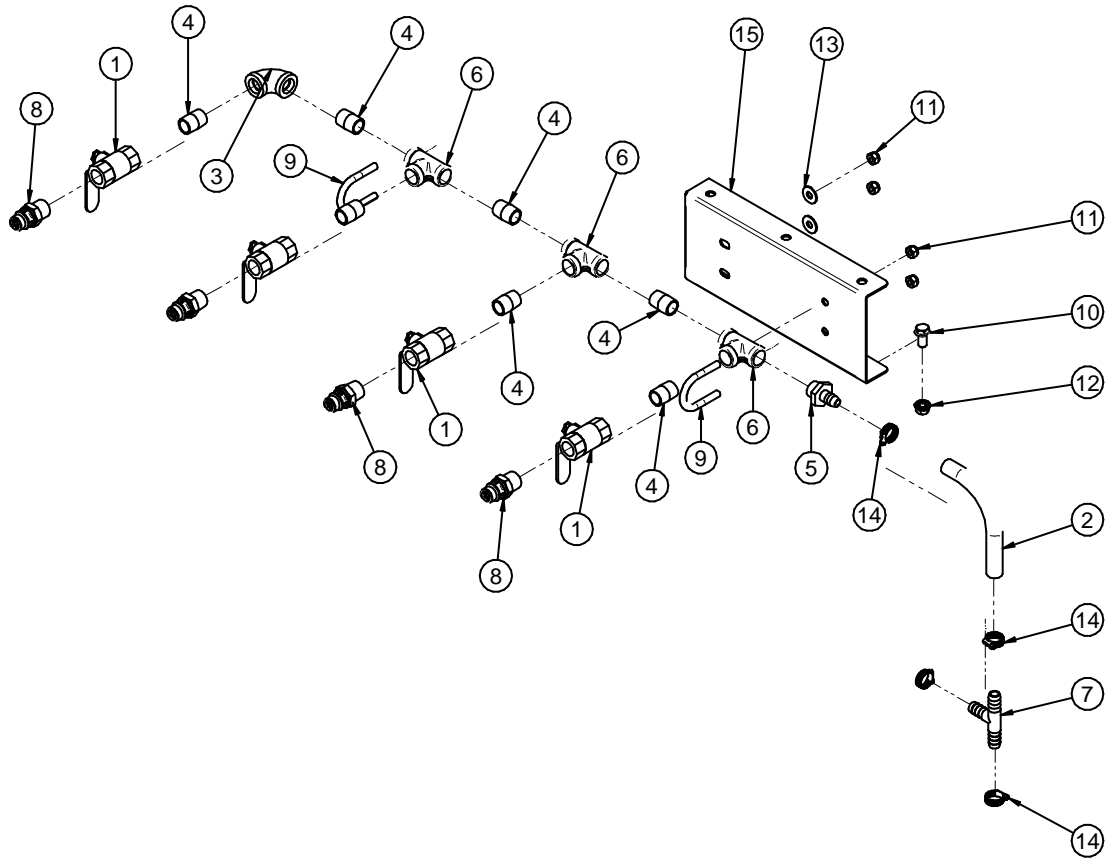


PART #

04-03-0306 REV A 001

Item #	Part #	Description	Qty	See Page #
1	02-02-0006	VLV BALL .500 NPT 2WAY BRSS	4	
2	02-03-0005	HOSE RNT .500 CLEAR	0.583	
3	02-06-0012	FTTG 90 DEG .500NPT FM SS	1	
4	02-07-0007	FTTG NIP .500NPTX1.125 TBE SS CLOSE	7	
5	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	1	
6	02-09-0003	FTTG TEE .500 NPT FM SS	3	
7	02-09-0047	FTTG TEE .500HB	1	
8	02-15-0014	FTTG CPLG .500 NPT QCK DISC INSERT	4	
9	06-01-0037	BOLT U .313-18 X 1.00 X .375 ZP GR5	2	
10	06-03-0002	NUT NYL LOCK .313-18 ZP GR5	4	
11	06-05-0003	WSHR FLAT .313 ZP	2	
12	06-07-0006	CLMP HOSE .500 TO .906 X .313W ZP	4	

STATIC MIXER ADDON WITH BRACKET ASSEMBLY (04-03-0307 REV A 000)



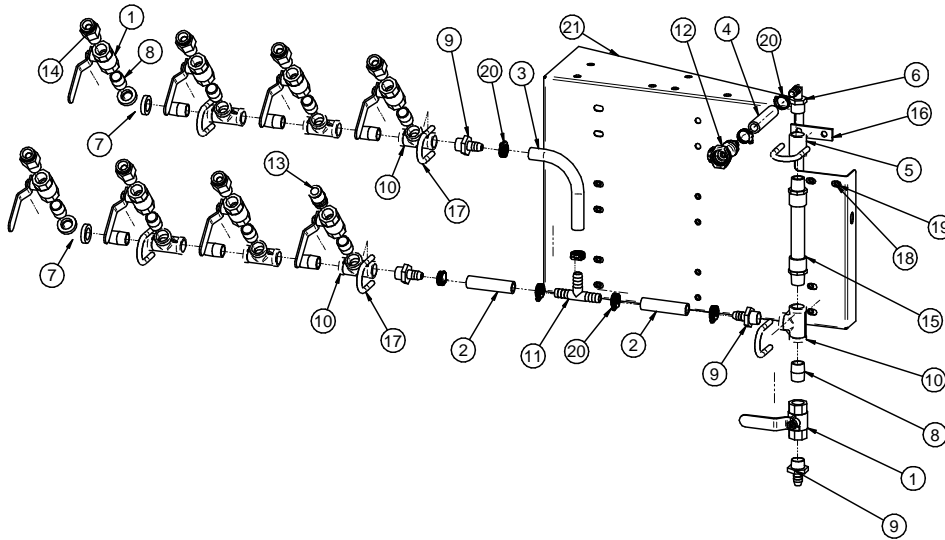
PART #

04-03-0307 REV A 000

Item #	Part #	Description	Qty	See Page #
1	02-02-0006	VLV BALL .500 NPT 2WAY BRSS	4	
2	02-03-0005	HOSE RNT .500 CLEAR	0.583	
3	02-06-0012	FTTG 90 DEG .500NPT FM SS	1	
4	02-07-0007	FTTG NIP .500NPTX1.125 TBE SS CLOSE	7	
5	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	1	
6	02-09-0003	FTTG TEE .500 NPT FM SS	3	
7	02-09-0047	FTTG TEE .500HB	1	
8	02-15-0014	FTTG CPLG .500 NPT QCK DISC INSERT	4	
9	06-01-0037	BOLT U .313-18 X 1.00 X .375 ZP GR5	2	
10	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	3	
11	06-03-0002	NUT NYL LOCK .313-18 ZP GR5	4	
12	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	3	
13	06-05-0003	WSHR FLAT .313 ZP	2	
14	06-07-0006	CLMP HOSE .500 TO .906 X .313W ZP	4	
15	105BFE	BRKT STTC MXR ADDON	1	

LPV SEED TREATER MECHANICAL DRAWINGS

STATIC MIXER ASSEMBLY (04-03-0314 REV A 002)

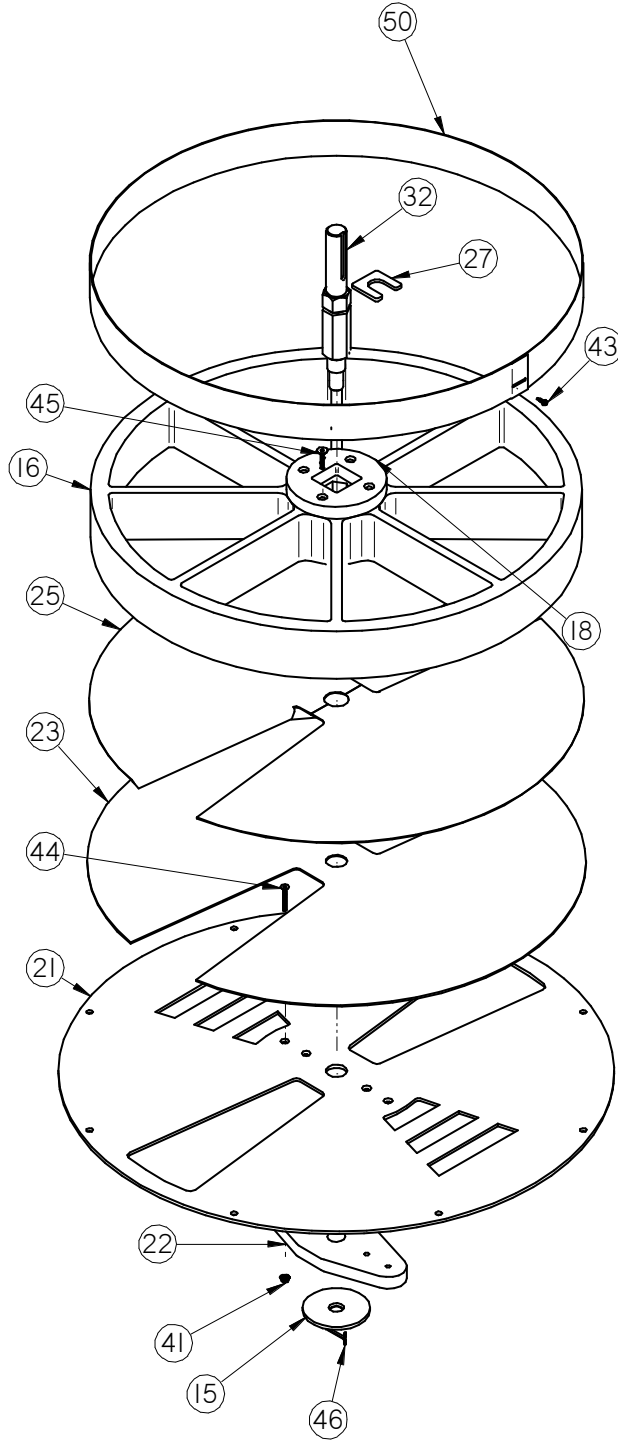


PART #

04-03-0314 REV A 002

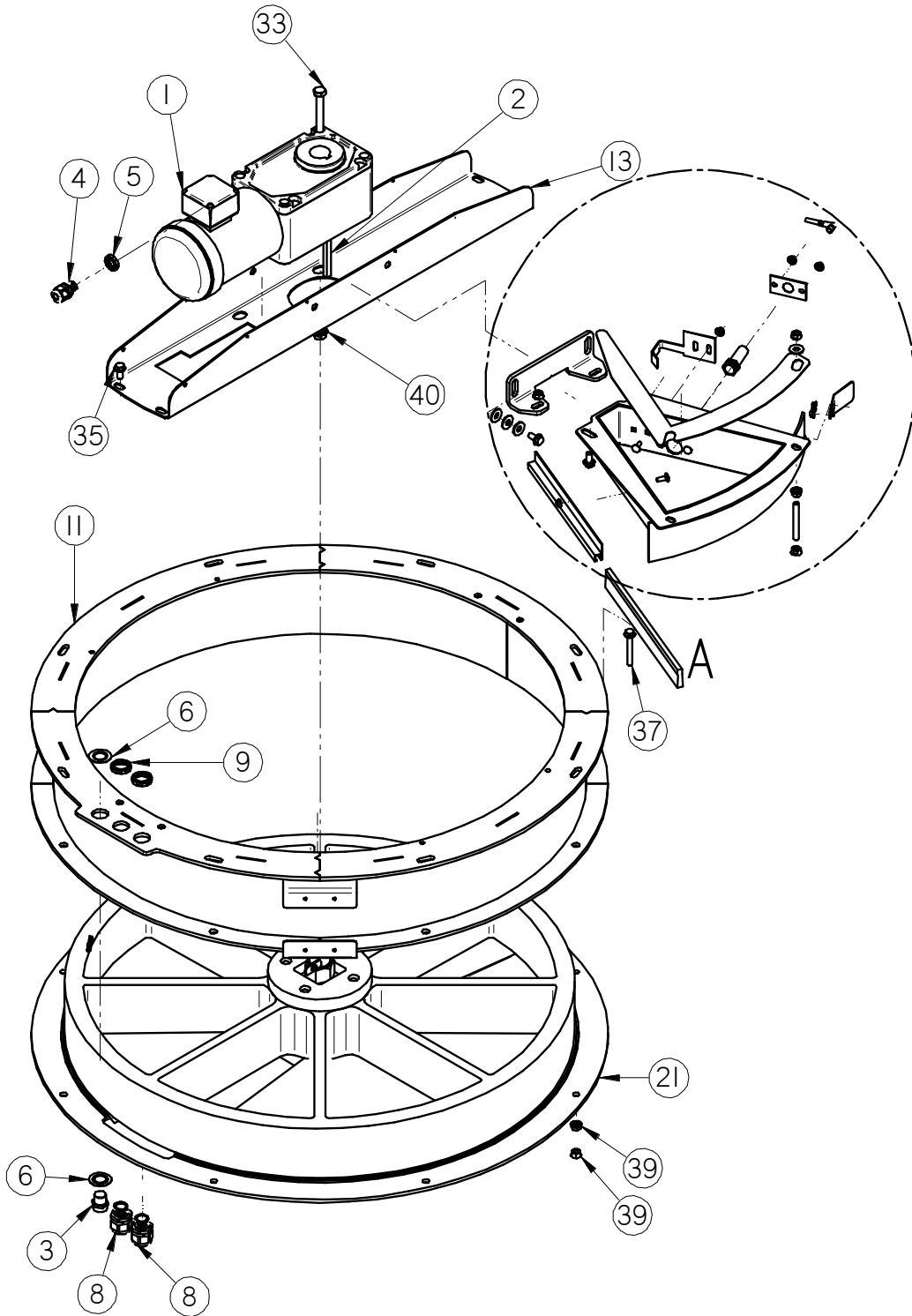
Item #	Part #	Description	Qty	See Page #
1	02-02-0006	VLV BALL .500 NPT 2WAY BRSS	9	
2	02-03-0005	HOSE RNT .500 CLEAR	0.5	
3	02-03-0005	HOSE RNT .500 CLEAR	0.583	
5	02-05-0005	FTTG CPLG .500 NPT FM SS	1	
6	02-06-0010	FTTG 90 DEG .500HB X .500NPT ML NYL	1	
7	02-06-0012	FTTG 90 DEG .500NPT FM SS	2	
8	02-07-0007	FTTG NIP .500NPTX1.125 TBE SS CLOSE	15	
9	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	4	
10	02-09-0003	FTTG TEE .500 NPT FM SS	7	
11	02-09-0047	FTTG TEE .500HB	1	
12	02-15-0013	FTTG CPLG .500 HB QCK DISC BODY	1	
13	02-16-0007	FTTG PUSH .500OD X .500 NPT ML	1	
14	02-16-0028	FTTG PUSH .625OD X .500 NPT ML	7	
15	04-03-0030	MXR IL PVC 6ELEMENT .500PIPE X 7.00	1	
16	05-10-4277	SPCR STTC MXR MNT	1	
17	06-01-0037	BOLT U .313-18 X 1.00 X .375 ZP GR5	6	
18	06-03-0002	NUT NYL LOCK .313-18 ZP GR5	12	
19	06-05-0003	WSHR FLAT .313 ZP	8	
20	06-07-0006	CLMP HOSE .500 TO .906 X .313W ZP	8	
21	105BA4	WDMT STTC MXR MNT 12 PORT	1	

SEED METERING WHEEL
(13-04-0201 REV B 005, 13-04-0222 REV B 001, 13-04-0231 REV B 001)



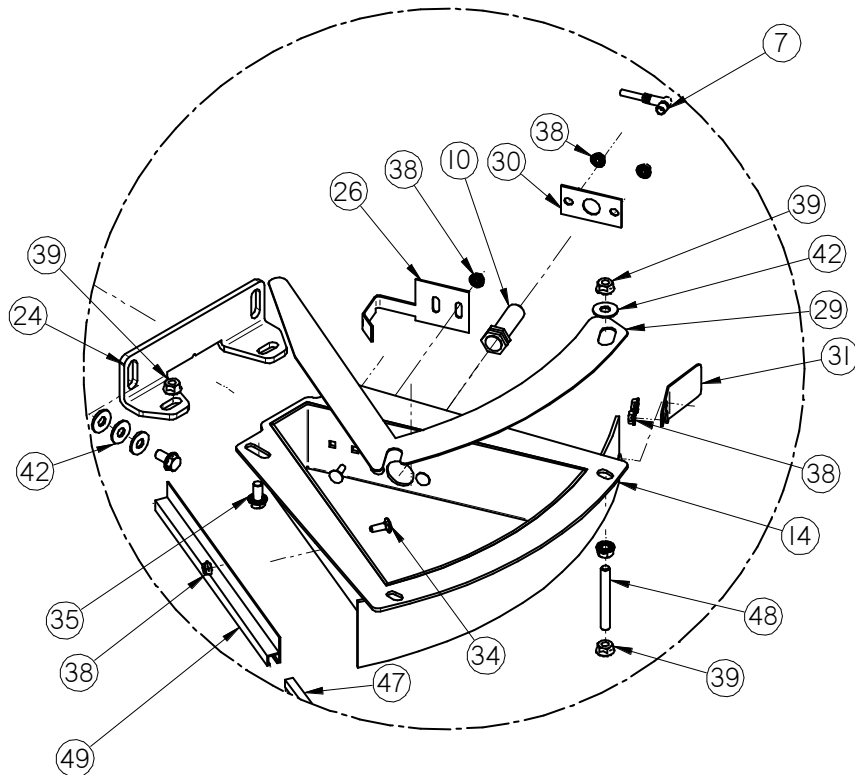
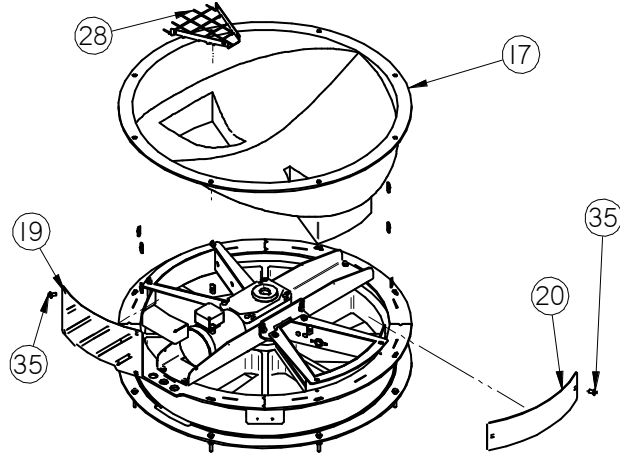
SEED METERING WHEEL

(13-04-0201 REV B 005, 13-04-0222 REV B 001, 13-04-0231 REV B 001)



SEED METERING WHEEL

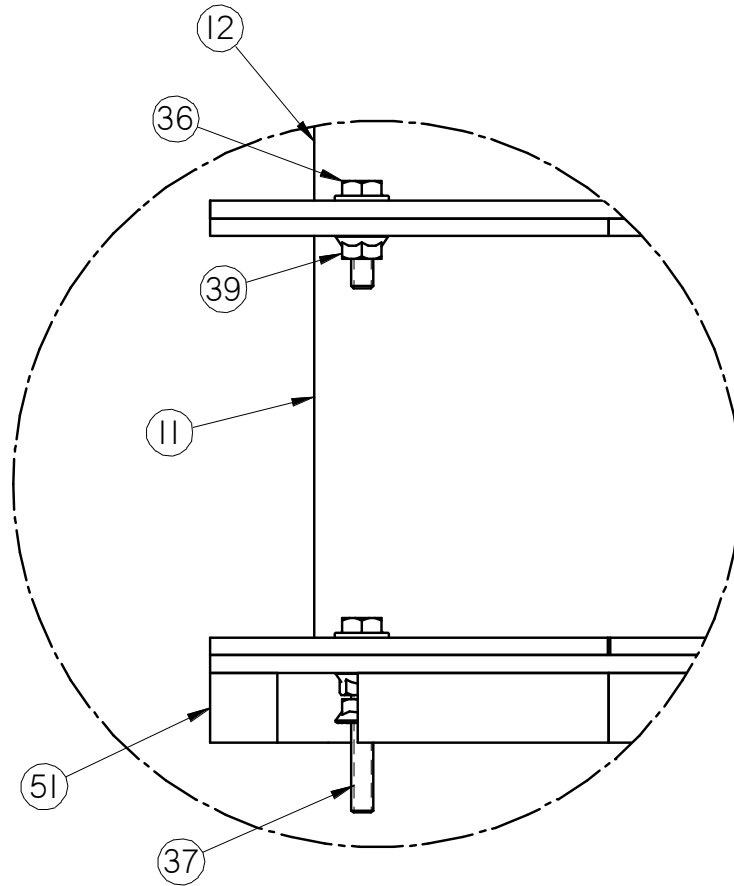
(13-04-0201 REV B 005, 13-04-0222 REV B 001, 13-04-0231 REV B 001)



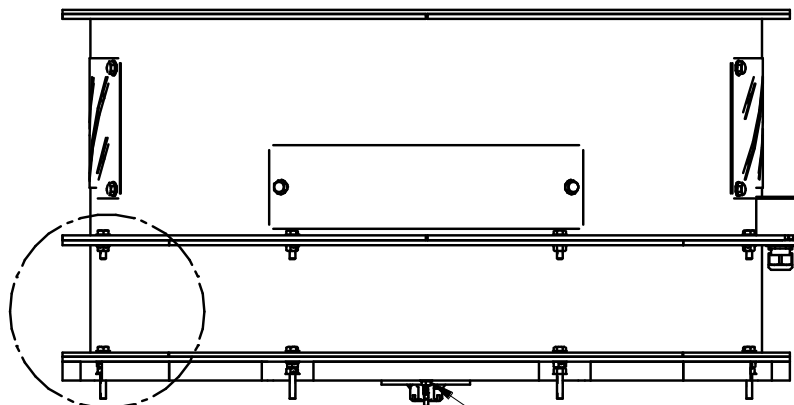
DETAIL A

SEED METERING WHEEL

(13-04-0201 REV B 005, 13-04-0222 REV B 001, 13-04-0231 REV B 001)



DETAIL C



C

LPV SEED TREATER MECHANICAL DRAWINGS

SEED METERING WHEEL
(13-04-0201 REV B 005, 13-04-0222 REV B 001, 13-04-0231 REV B 001)

PART #

13-04-0201 REV B 005

Item #	Part #	Description	Qty	See Page #
1	ASSORTED	GEARMOTOR	1	39
2	01-10-0017	KEY .375 X 3.00 CS	1	
3	03-06-0111	RECP TURCK RSF 44-1/M20/S717/S4000	1	
4	03-08-0299	CONN CG 0.5NPT .170-.450 3232LTF	1	
5	03-08-0308	NUT NYLOC .500 NPT 8464	1	
6	03-08-0348	WSHR RDCG CNDT .75 X .5	2	
7	03-08-0355	CONN TRCK PKW 3M-5-RS 4/S760/S771	2	
8	03-08-0356	CONN CG .75 NPT M3234GBJ LTCG	2	
9	03-08-0357	NUT NYLON.75 NPT 8465	2	
10	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	2	
11	05-03-0164	WDMT SEED METER BODY	1	
12	05-03-0169	WDMT SEED METER EXT	1	
13	05-03-0232	WDMT SMW UPPER BRG BRKT	1	
14	05-03-0240	WDMT SMW BRSH PCKT	2	
15	05-04-0049	WDMT SEED WHL SHAFT NUT	1	
16	05-07-0196	MOLDED SEED WHEEL INSERT	1	
17	05-07-0197	HPPR SMW DUAL DSCHG	1	
18	05-07-0203	MOLDED SEED WHEEL INSERT TOP	1	
19	05-10-0890	CVR #1 SEED METER VENTED	2	
20	05-10-0891	CVR #2 SEED METER	2	
21	05-10-0893	PLT SUPP SEED METER STEEL	1	
22	05-10-1213	SUPP BTM BRG UHMW SEED METER	1	
23	05-10-1306	PAD SEED WHL FOAM RBBR FLOATING	1	
24	05-10-1392	BRKT SMW BRSH PCKT HLDR	2	
25	05-10-1426	PLT SUPPORT SEED METER 14GA SS	2	
26	05-10-1449	PLT SMW CTR HUB WIPER	2	
27	05-10-1588	PLT SHAFT CLIP SMW	1	
28	05-10-1872	GRD SMW INLET HOPP PCKT	2	
29	05-10-2166	PLT SMW PCKT CVR	2	
30	05-10-3316	PLT SMW PROX SW MNT	2	
31	05-10-4192	PLT SMW POCKET SCRAPER	2	
32	05-11-0075	DRV SHAFT HEX SEED METER	1	
33	06-01-0106	BOLT .500-13 X 5.50 ZP GR5	4	
34	06-01-0122	BOLT CRG .250-20 X .750 ZP GR5	18	
35	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	24	
36	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	8	
37	06-01-0204	BOLT FLG .375-16 X 2.50 ZP GR5	8	



LPV SEED TREATER MECHANICAL DRAWINGS

SEED METERING WHEEL

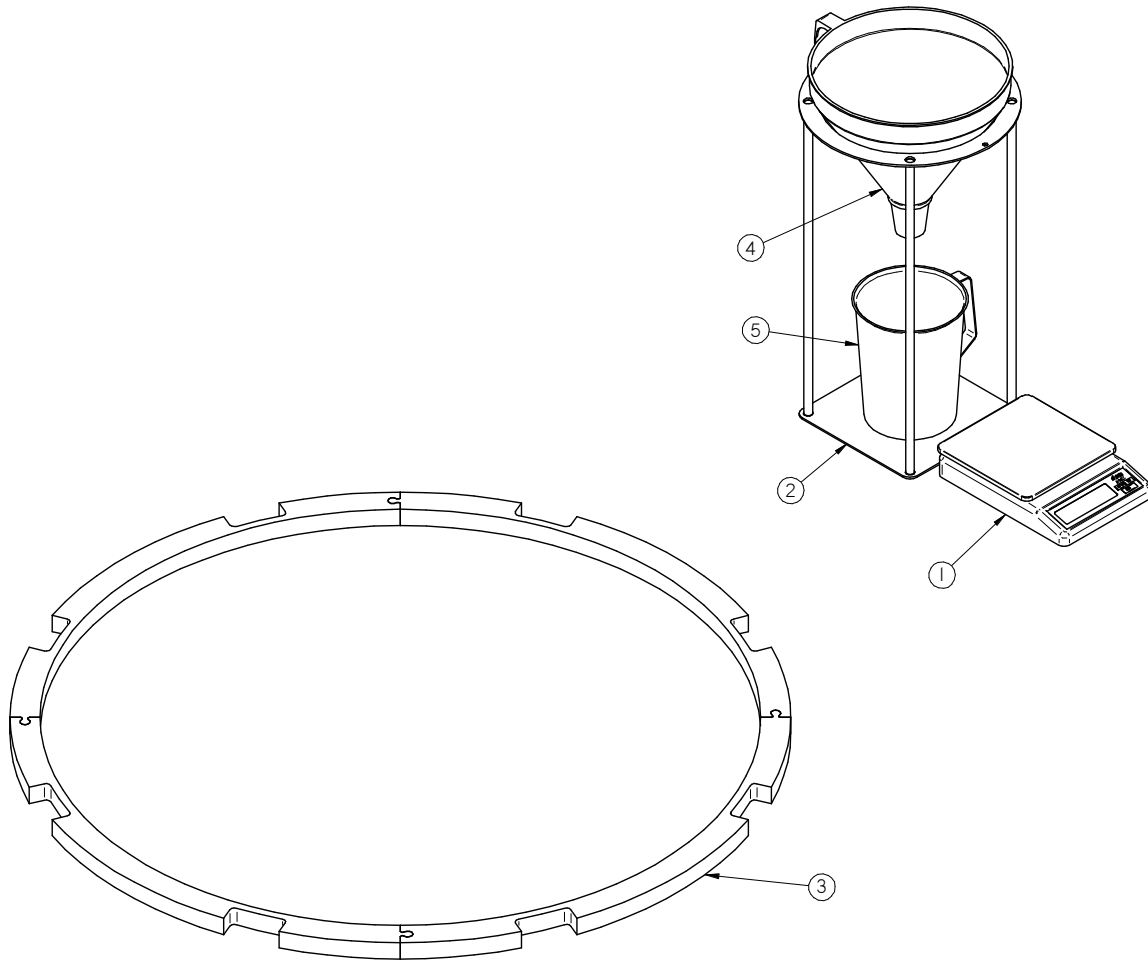
(13-04-0201 REV B 005, 13-04-0222 REV B 001, 13-04-0231 REV B 001)

PART #

13-04-0201 REV B 005

Item #	Part #	Description	Qty	See Page #
38	06-03-0013	NUT LOCK FLG .250-20 ZP GR5	26	
39	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	40	
40	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	4	
41	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	4	
42	06-05-0004	WSHR FLAT .375 ZP	10	
43	06-06-0023	SCRW SDST 10-16 X .750 HH WSHR ZP	15	
44	06-06-0046	SCRW .313-18 X 2.0 ZP FLAT HD PHLP	4	
45	06-06-0070	SCRW MACH .375-16 X 1.50 SH FLHD BO	4	
46	06-09-0023	PIN CTTR .188 X 2.00 ZP	1	
47	06-10-0019	SEAL BRSH 12.75 OAL 1.00 EXP LG	2	
48	06-14-0013	STUD .375-16 ZP X 3.00 ZP	4	
49	100118	HOLDER BRUSH SMW	2	
50	101BC9	PLT SMW GALV RING	1	
51	13-04-0058	KIT SMW SCL CALB	1	83

KIT SEED METERING WHEEL SCALE CALIBRATION (13-04-0058 REV B 000)

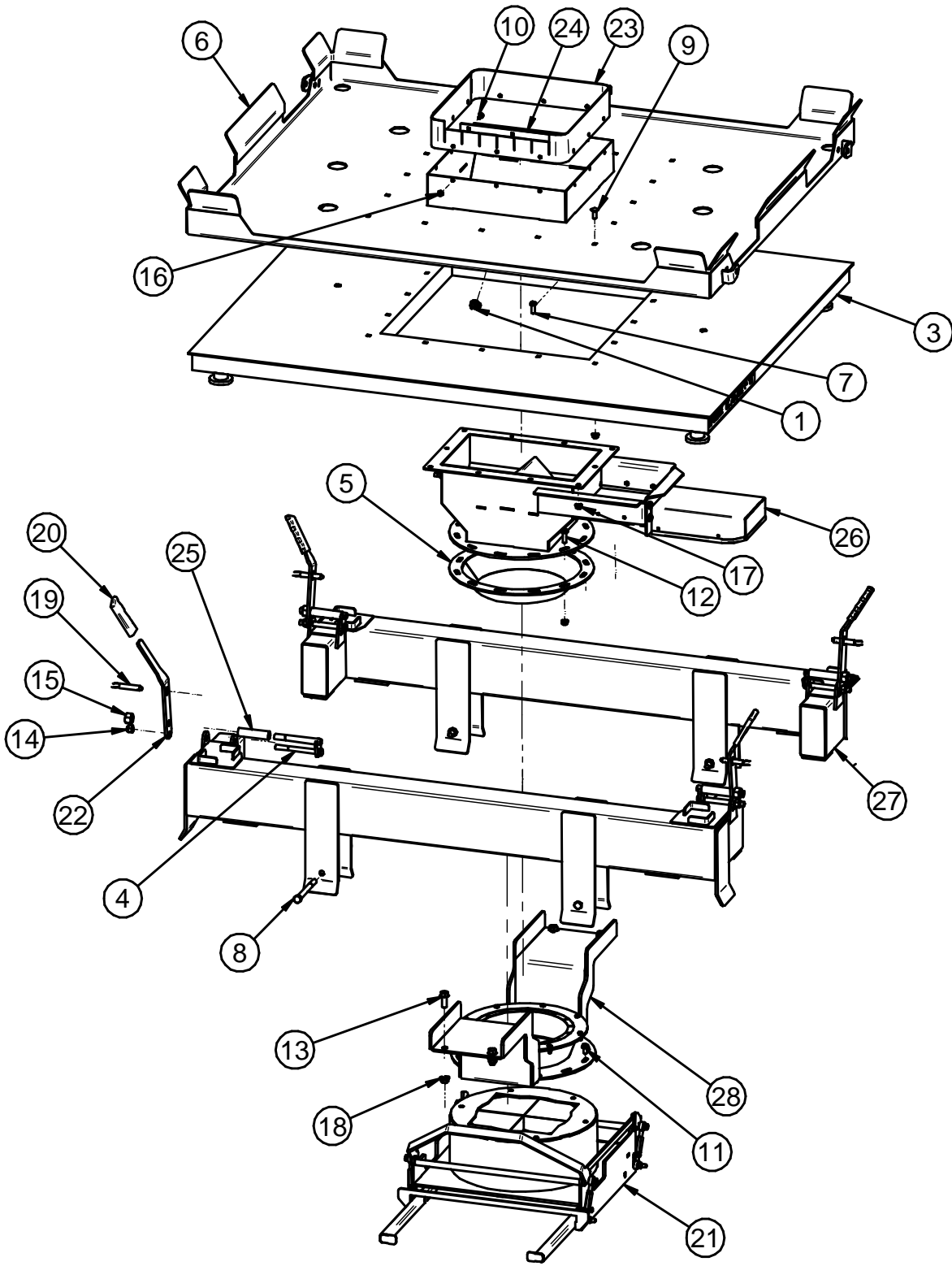


PART #

13-04-0058 REV B 000

Item #	Part #	Description	Qty	See Page #
1	03-08-0130	PLUG STEEL 22MM	1	
2	03-19-0051	SCL 6.89 X 6.5 11 LBS	1	
3	05-03-0248	WDMT CAL CUP FILL FR	1	
4	05-10-2463	SEAL SMW TO TRTR	4	
5	05-11-0123	FUNNEL SMW CALB CUP FILL	1	
6	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	8	
7	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	8	
8	07-02-0008	CUP MEASURE 64OZ SS GRADUATED	1	

BOX TO BOX SCALE STAND LV08 (18-01-0483 REV A 005)



LPV SEED TREATER MECHANICAL DRAWINGS

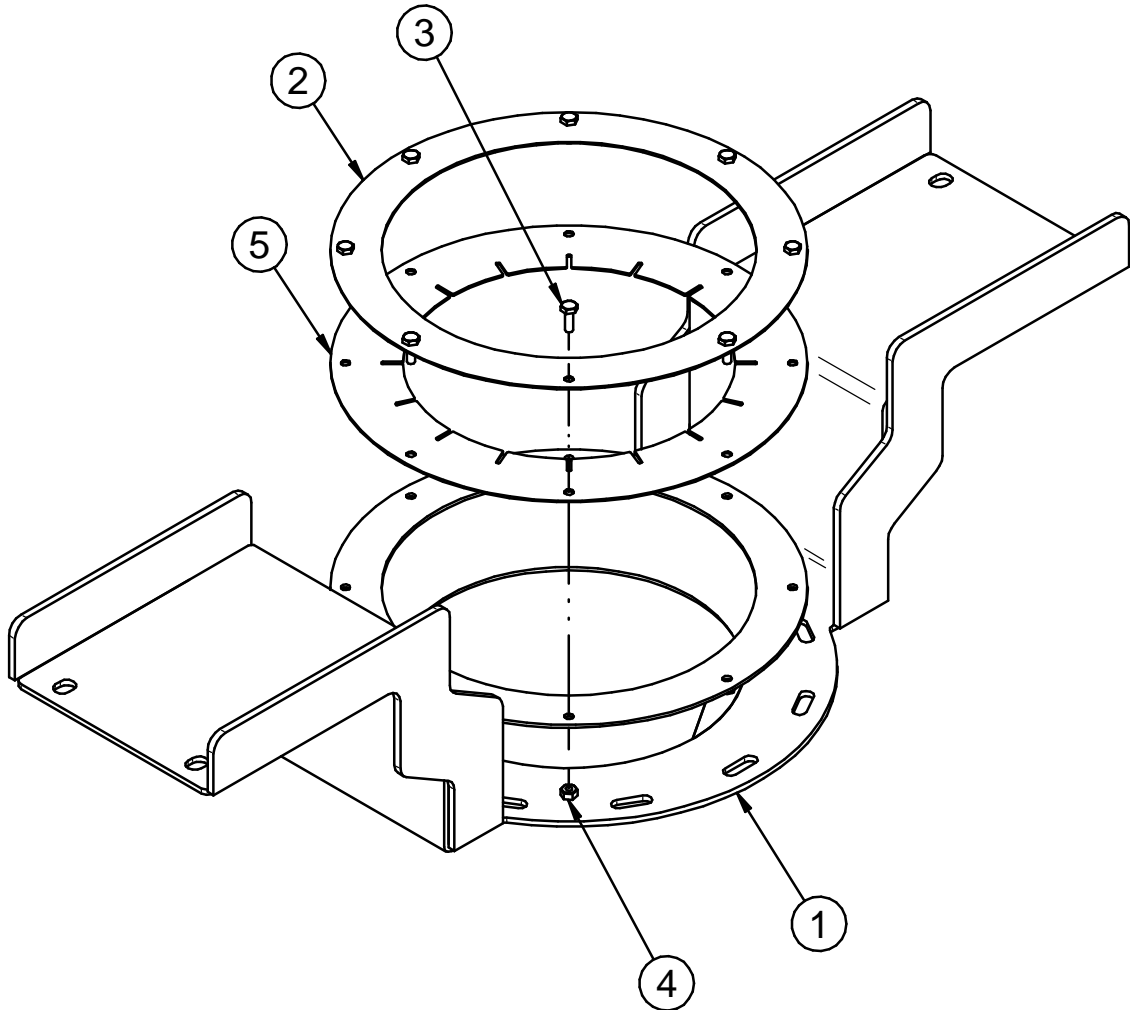
BOX TO BOX SCALE STAND LV08 (18-01-0483 REV A 005)

PART #

18-01-0483 REV B 005

Item #	Part #	DESCRIPTION	Qty	See Page #
1	03-08-0130	PLUG STEEL 22MM	1	
2	03-08-0349	CONN TRCK RKC 8T-8-RSC 8T/S653	1	
3	03-19-0104	SCL 5X4FT 5K WITH CTR CUTOUT RL*	1	
4	05-03-1806	WDMT YOKE LIFT-LOCK HD	4	
5	05-03-1867	WDMT AT500 LIW GATE ADPT 10IN OUT	1	
6	05-07-0994	WDMT HOPP SCALE GUIDE AT500 LIW RCT	1	
7	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	10	
8	06-01-0106	BOLT .500-13 X 5.50 ZP GR5	4	
9	06-01-0115	BOLT CRG .375-16 X 1.00 ZP GR5	16	
10	06-01-0122	BOLT CRG .250-20 X .750 ZP GR5	12	
11	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	6	
12	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	6	
13	06-01-0232	BOLT FLG .500-13 X 1.250 ZP GR5	4	
14	06-03-0004	NUT NYL LOCK .500-13 ZP GR5	4	
15	06-03-0005	NUT NYL LOCK .625-11 ZP	4	
16	06-03-0013	NUT LOCK FLG .250-20 ZP GR5	12	
17	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	32	
18	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	8	
19	06-09-0070	PIN SPGLD QCK REL RING GRIP 0.5DIA	4	
20	06-09-0085	CLPSBL HOPP HNDL GRIP	4	
21	105505	ASSY FLOW CHMBR SHORT	1	71
22	105A14	PLT HANDLE LIFT-LOCK	4	
23	105B36	SKIRT BOX SEAL	1	
24	105B37	PLT SKIRT RETAINER	4	
25	10658C	BRG SLEEVE	4	
26	12-04-0080	ASSY LIW GATE V4 TRTR & WH	1	87
27	18-01-0485	WDMT SCALE SUPP LPV	2	
28	18-01-0495	ASSY FLOW CHMBR SUPP	1	

FLOW CHAMBER SUPPORT ASSEMBLY LV08 (18-01-0495 REV A 001)

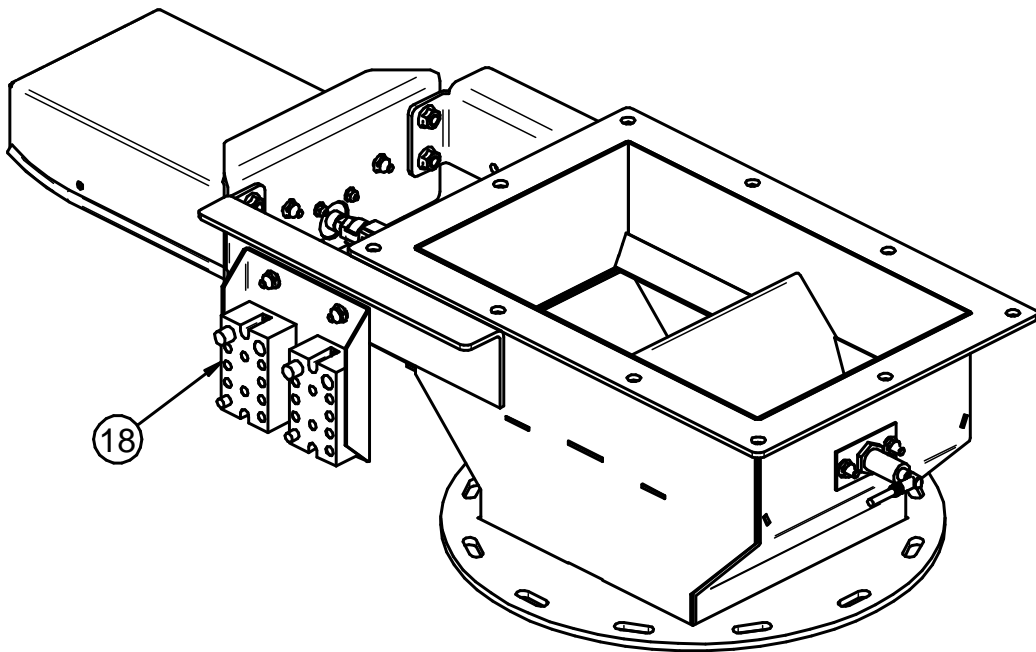
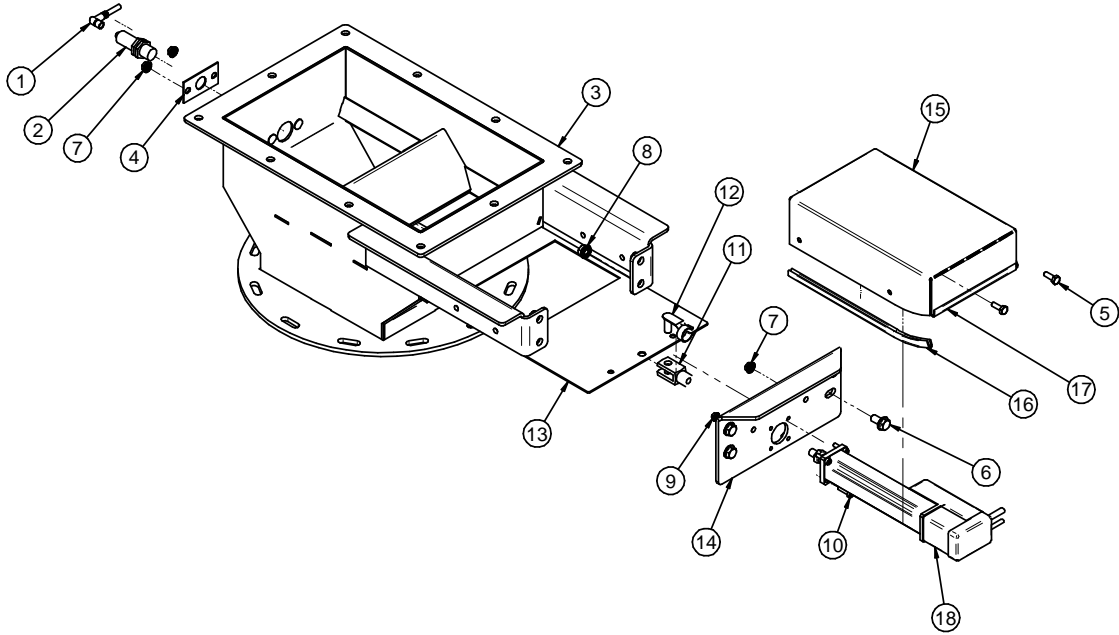


PART #

18-01-0495 REV A 001

Item #	Part #	Description	Qty	See Page #
1	05-03-1871	WDMT FLOW CHMBR SUPP LPV LIW	1	
2	05-10-4810	PLT RET RG LG LIW TRANS	1	
3	06-01-0006	BOLT .250-20 X .750 ZP GR5	8	
4	06-03-0001	NUT NYL LOCK .250-20 ZP GR5	8	
5	106BCE	SEAL LIW TRANS LPV	1	

LOSS-IN-WEIGH GATE BOX TO BOX LV08 (12-04-0080 REV A 000)



LPV SEED TREATER MECHANICAL DRAWINGS

LOSS-IN-WEIGH GATE BOX TO BOX LV08 (12-04-0080 REV A 000)

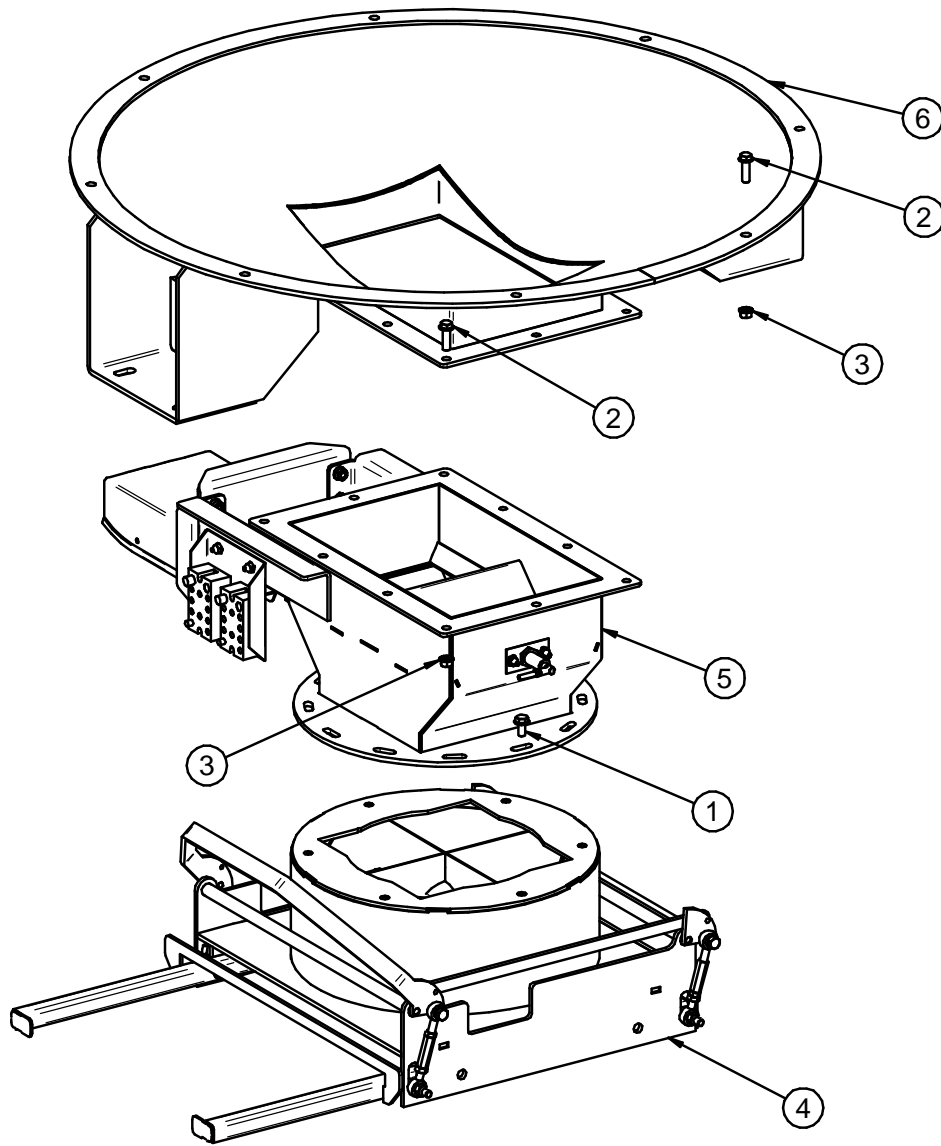
PART #

12-04-0080 REV A 000

Item #	Part #	Description	Qty	See Page #
1	03-08-0355	CONN TRCK PKW 3M-5-RS 4/S760/S771	1	
2	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	1	
3	05-03-1764	WDMT AT500 LIW GATE RECT	1	
4	05-10-3316	PLT SMW PROX SW MNT	1	
5	06-01-0006	BOLT .250-20 X .750 ZP GR5	2	
6	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	4	
7	06-03-0013	NUT LOCK FLG .250-20 ZP GR5	4	
8	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	4	
9	06-03-0031	NUT LOCK FLG M5-0.8 GR8.8	4	
10	06-06-0083	SCRW SH M5-0.8 X 20MM BO	4	
11	06-12-0043	CLVS 10-1.25 X 10MM	1	
12	06-12-0044	PIN CLIP SPRING 10MM	1	
13	105F4B	LIW GATE SLIDE	1	
14	105F52	ACTR MNT PLT	1	
15	106BE2	CVR ACTR LIW ADJ CHMBR LPV B2B	1	
16	106BE3	EDGING ACTR COVER	2	
17	106BE4	EDGING ACTR COVER	1	
18	13-04-0288	ASSY V4 LIW DYADIC ACTUATOR CNTRLS	1	

LPV SEED TREATER MECHANICAL DRAWINGS

LOSS-IN-WEIGH FLOW CHAMBER LV08 (18-01-0493 REV B 001)



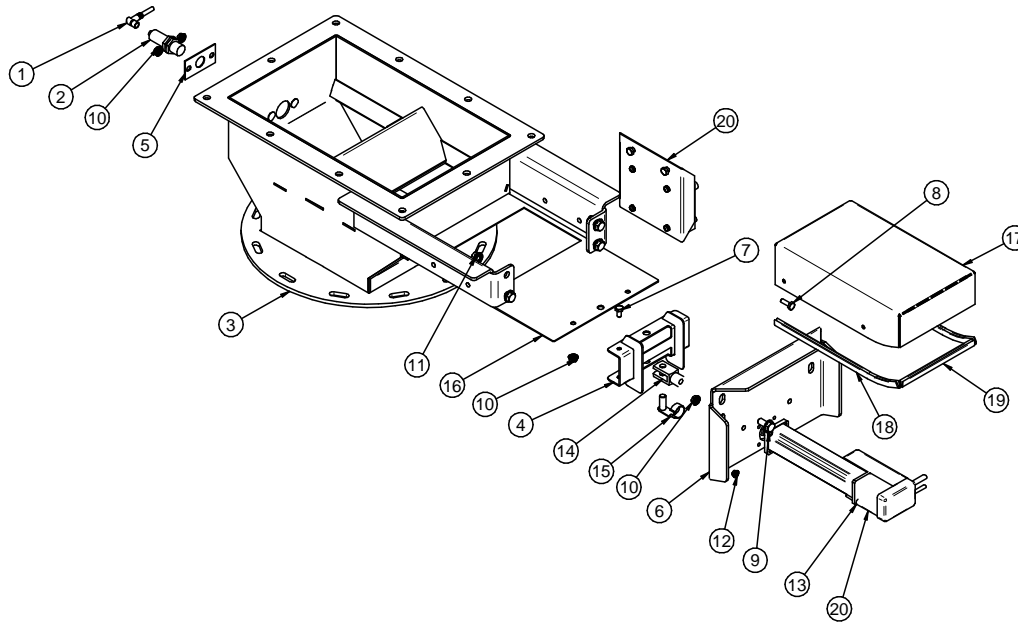
PART #

18-01-0493 REV A 001

Item #	Part #	Description	Qty	See Page #
1	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	6	
2	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	18	
3	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	18	
4	105503	ASSY FLOW CHMBR SHORT	1	71
5	12-04-0081	ASSY LIW GATE V4 TRTR OFST	1	90
6	18-01-0492	WDMT CONE LPV LIW GATE	1	

LPV SEED TREATER MECHANICAL DRAWINGS

LOSS-IN-WEIGH GATE UNDER WEIGH HOPPER OR TRI-FLO LV08
(12-04-0081 REV A 000)

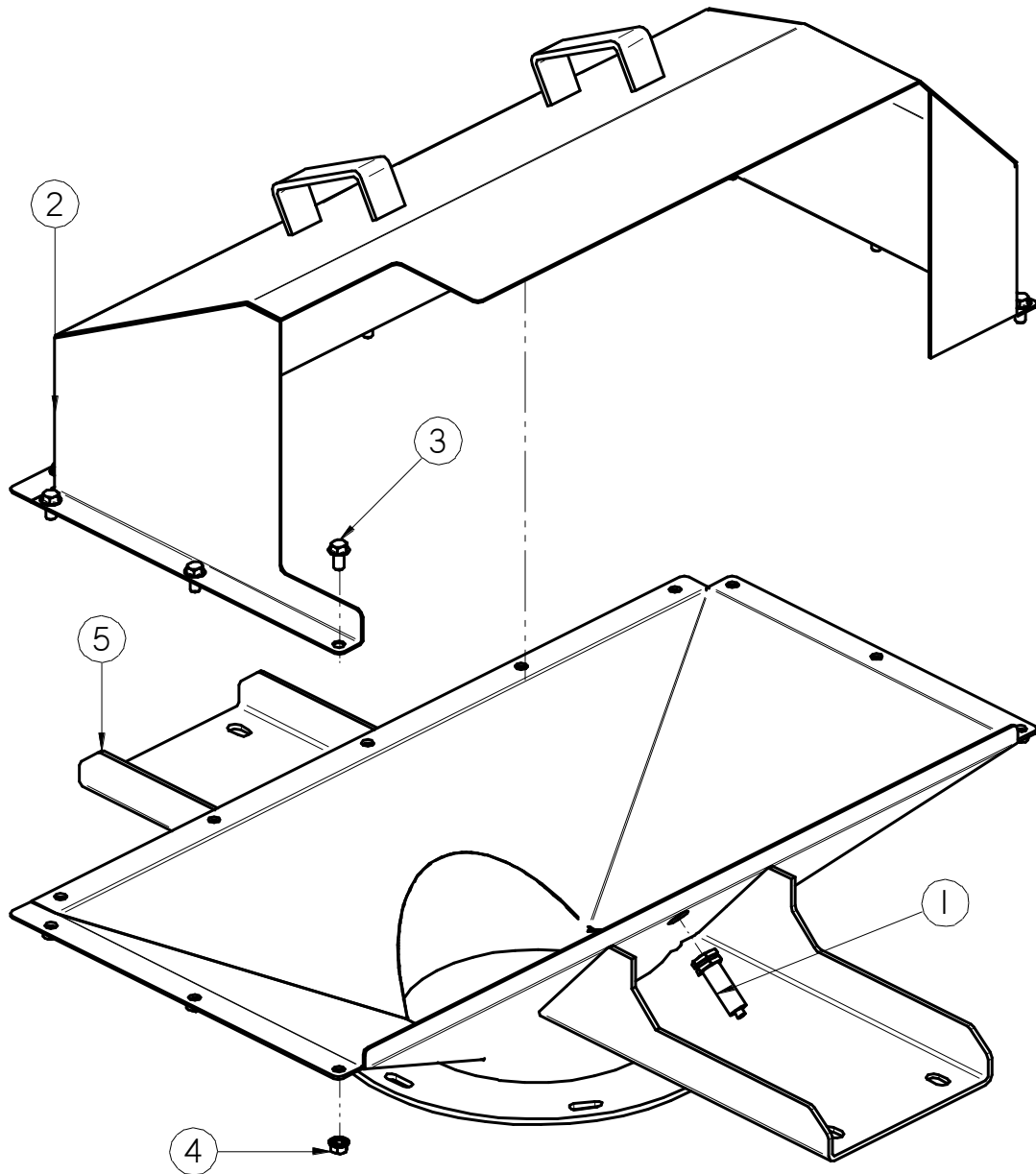


PART #

12-04-0081 REV A 000

Item #	Part #	Description	Qty	See Page #
1	03-08-0355	CONN TRCK PKW 3M-5-RS 4/S760/S771	1	
2	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	1	
3	05-03-1764	WDMT AT500 LIW GATE RECT	1	
4	05-03-01916	WDMT LIW GATE OFFSET LPV	1	
5	05-10-3316	PLT SMW PROX SW MNT	1	
6	05-10-4812	ACTR MNT PLT LPV LIW	1	
7	06-01-0004	BOLT .250-20 X .500 ZP GR5	2	
8	06-01-0006	BOLT .250-20 X .750 ZP GR5	2	
9	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	4	
10	06-03-0013	NUT LOCK FLG .250-20 ZP GR5	6	
11	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	4	
12	06-03-0031	NUT LOCK FLG M5-0.8 GR8.8	4	
13	06-06-0083	SCRW SH M5-0.8 X 20MM BO	4	
14	06-12-0043	CLVS 10-1.25 X 10MM	1	
15	06-12-0044	PIN CLIP SPRING 10MM	1	
16	105F4B	LIW GATE SLIDE	1	
17	106BE2	CVR ACTR LIW ADJ CHMBR LPV B2B	1	
18	106BE3	EDGING ACTR COVER	2	
19	106BE4	EDGING ACTR COVER	1	
20	13-04-0288	ASSY V4 LIW DYADIC ACTUATOR CNTRLS	1	

LPV SEED TREATER MECHANICAL DRAWINGS
WEIGH BELT HOOD LV08 (13-05-0519 REV A 001)

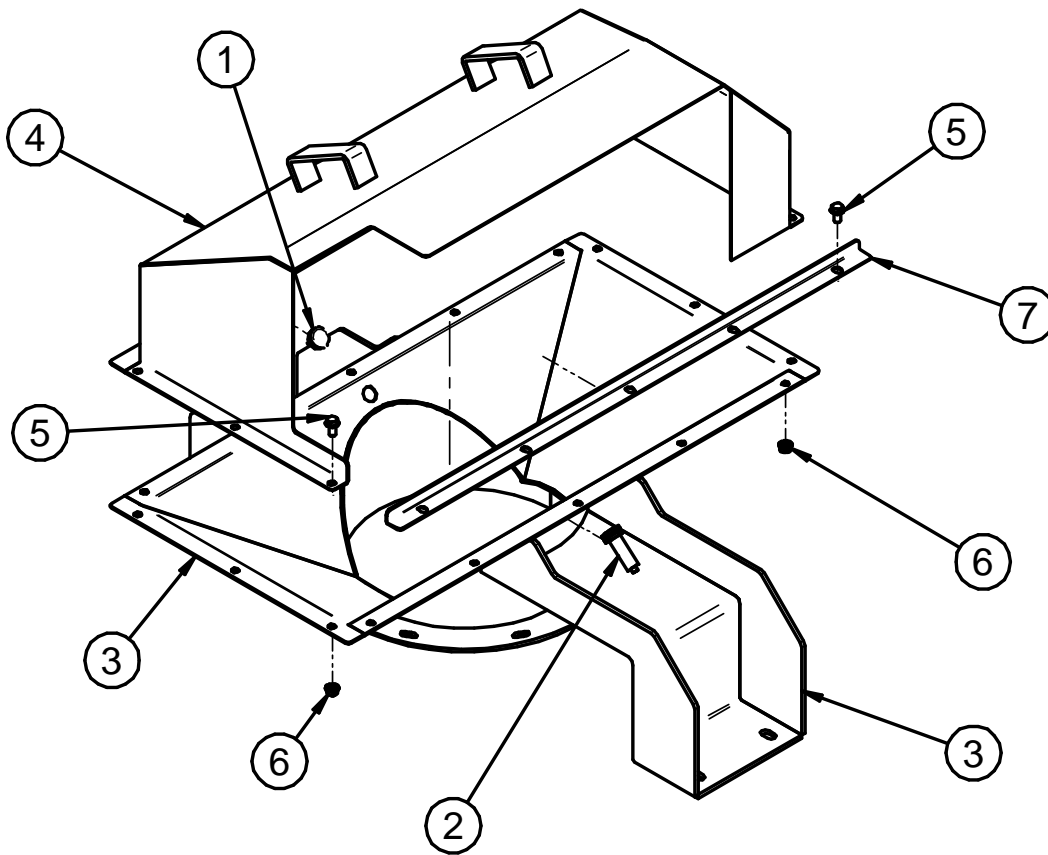


PART #

13-05-0519 REV A 000

Item #	Part #	Description	Qty	See Page #
1	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	1	
2	05-07-0961	WDMT WB TRTR HOOD LPV3000	1	
3	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	11	
4	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	11	
5	104C53	WDMT WD TRTR CONE	1	

LPV SEED TREATER MECHANICAL DRAWINGS
WEIGH BELT HOOD HV08 (05-07-0946 REV A 001)



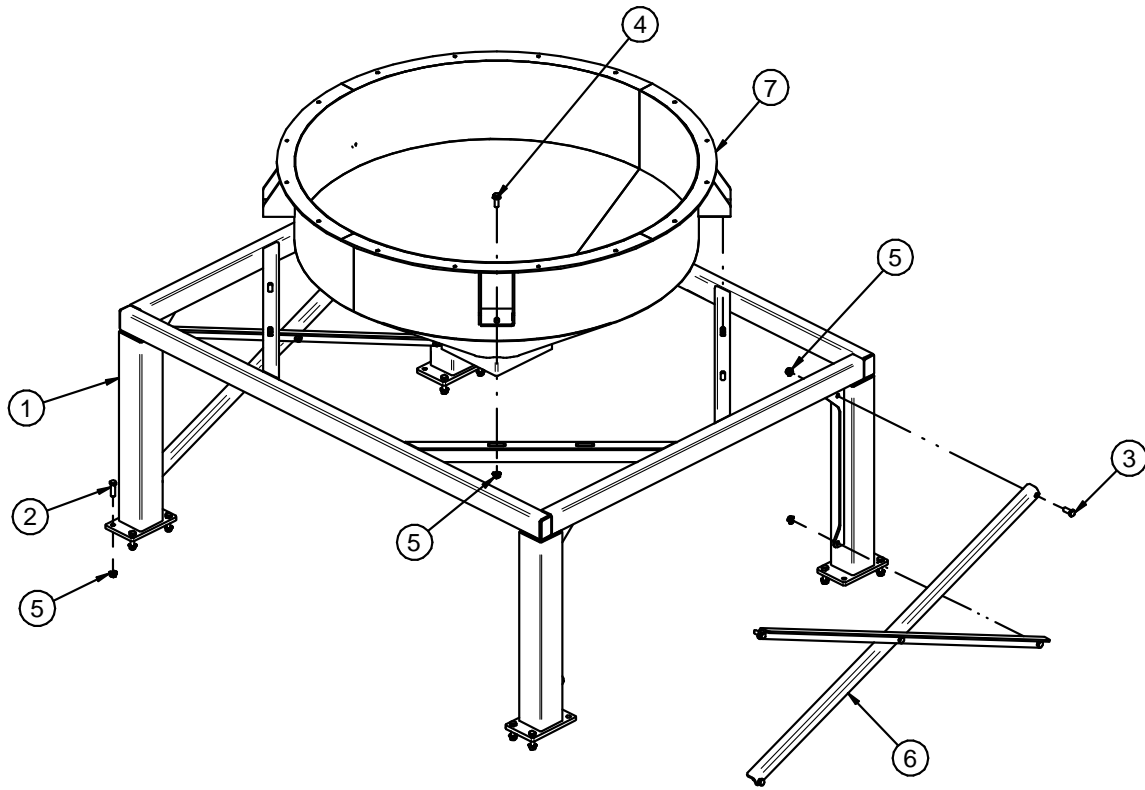
PART #

05-07-0946 REV A 001

Item #	Part #	Description	Qty	See Page #
1	03-08-0130	PLUG STEEL 22MM	1	
2	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	1	
3	05-07-0945	WDMT WB TRTR CONE LPV3000	1	
4	05-07-0961	WDMT WB TRTR HOOD LPV3000	1	
5	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	16	
6	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	16	
7	105C75	PLT SPACER	1	

LPV SEED TREATER MECHANICAL DRAWINGS

WEIGH BELT HOPPER 21 UNIT HV08 LV08 (13-05-0516 REV A 002)

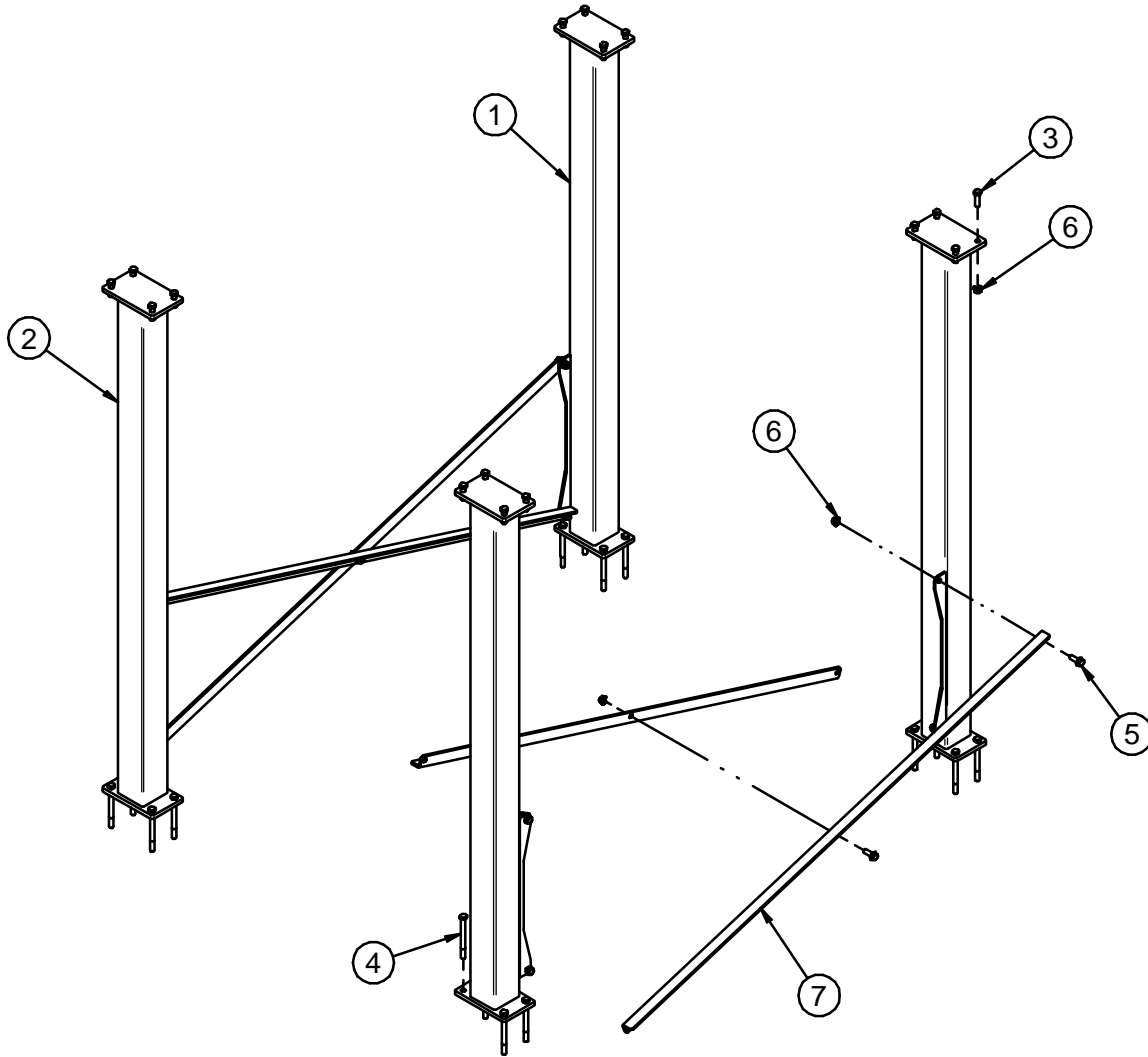


PART #

13-05-0516 REV A 002

Item #	Part #	Description	Qty	See Page #
1	05-03-1759	WDMT WB TOP FRM	1	
2	06-01-0054	BOLT .500-13 X 1.75 ZP GR5	12	
3	06-01-0080	BOLT .500-13 X 1.25 ZP GR5	10	
4	06-01-0232	BOLT FLG .500-13 X 1.250 ZP GR5	4	
5	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	26	
6	103614	ANGLE CROSS BRACE	4	
7	104C91	WDMT USE HOPP	1	

LEG KIT WEIGH BELT OVER HV08 (13-05-0640 REV A 001)

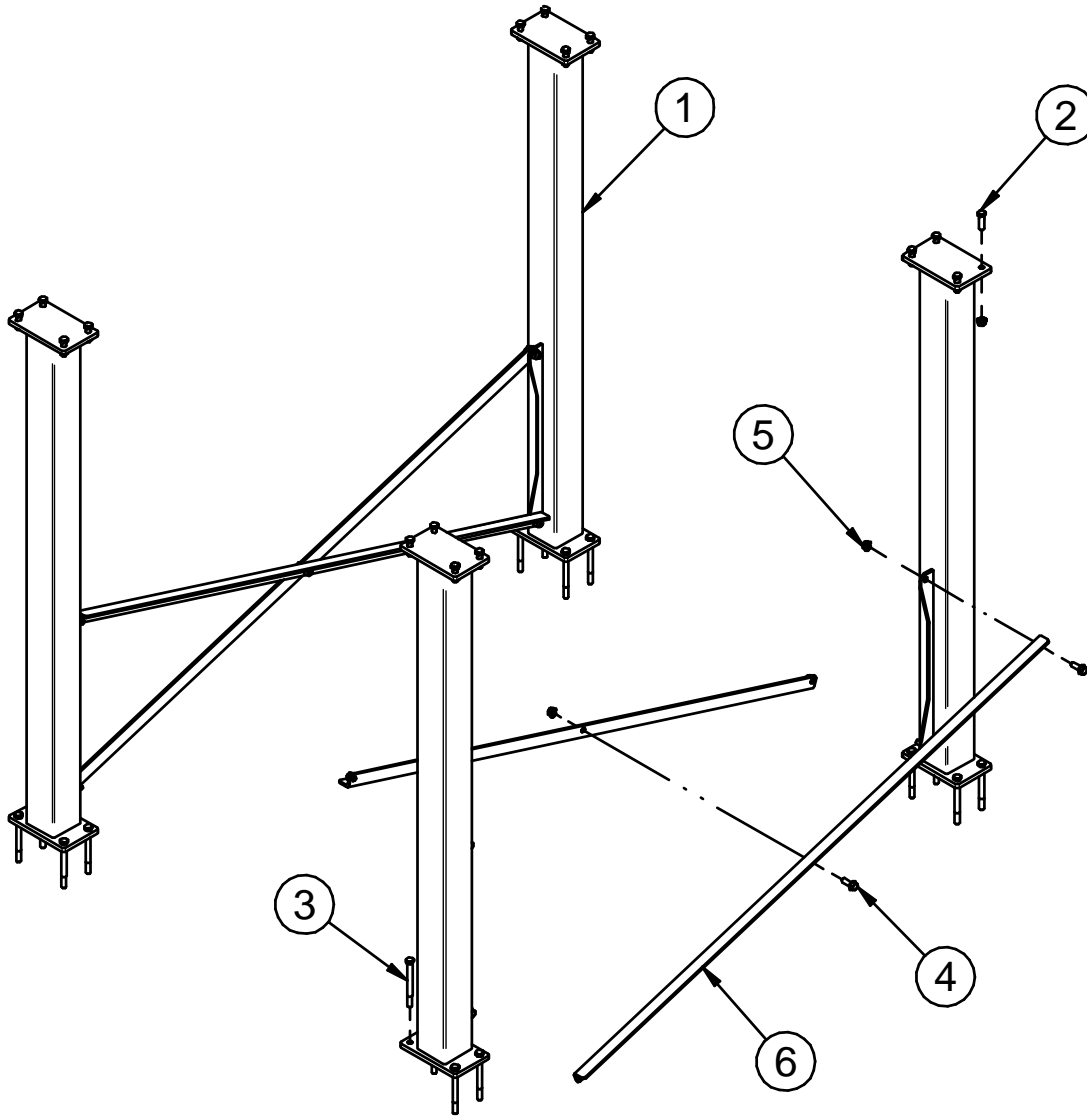


PART #

13-05-0640 REV A 001

Item #	Part #	Description	Qty	See Page #
1	05-03-1760	WDMT WB LEG HC	2	
2	05-03-1761	WDMT WB LEG HC	2	
3	06-01-0054	BOLT .500-13 X 1.75 ZP GR5	16	
4	06-01-0179	BOLT .500-13 CONC ANCHOR ZP 5.500	16	
5	06-01-0232	BOLT FLG .500-13 X 1.250 ZP GR5	10	
6	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	26	
7	104C44	WB LEG X BRACE	4	

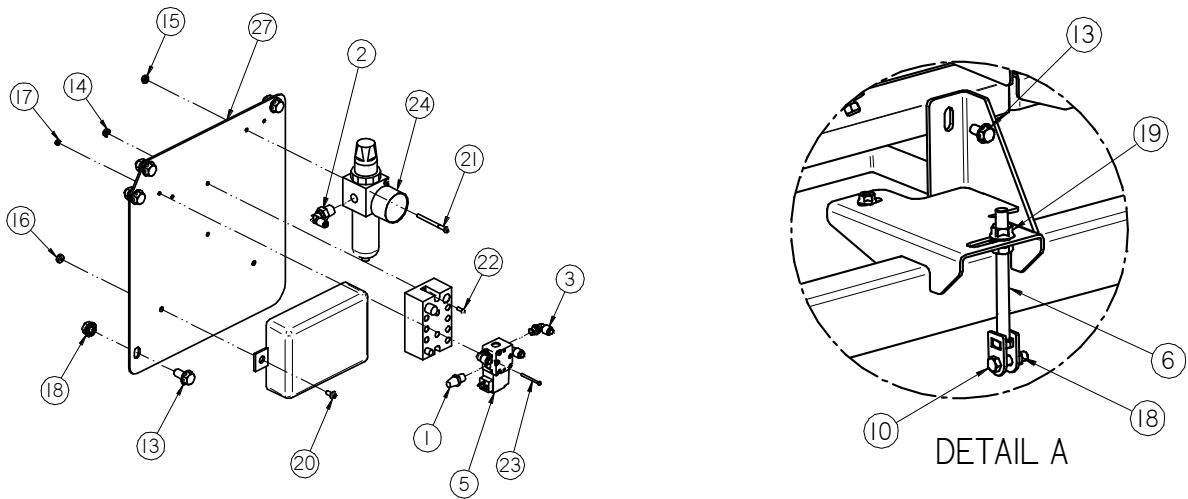
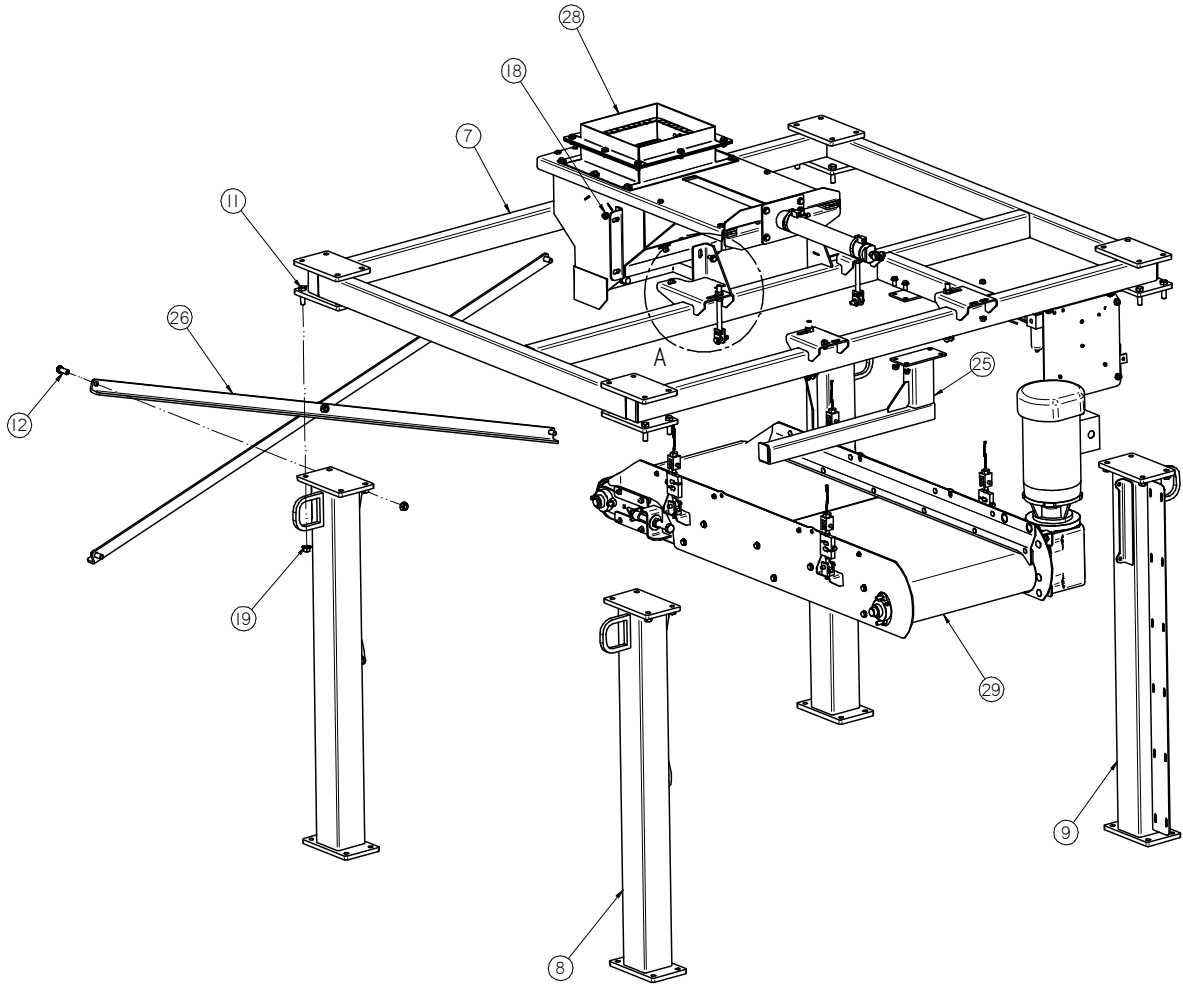
LEG KIT WEIGH BELT OVER LV08 (13-05-0520 REV A 001)



PART #		13-05-0520 REV A 001		
Item #	Part #	Description	Qty	See Page #
1	05-03-1765	WDMT WB LEG	4	
2	06-01-0054	BOLT .500-13 X 1.75 ZP GR5	16	
3	06-01-0179	BOLT .500-13 CONC ANCHOR ZP 5.500	16	
4	06-01-0232	BOLT FLG .500-13 X 1.250 ZP GR5	10	
5	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	26	
6	104C44	WB LEG X BRACE	4	

LPV SEED TREATER MECHANICAL DRAWINGS

WEIGH BELT HV08 (13-05-0652 REV B 003 13-05-0785 REV A 000)

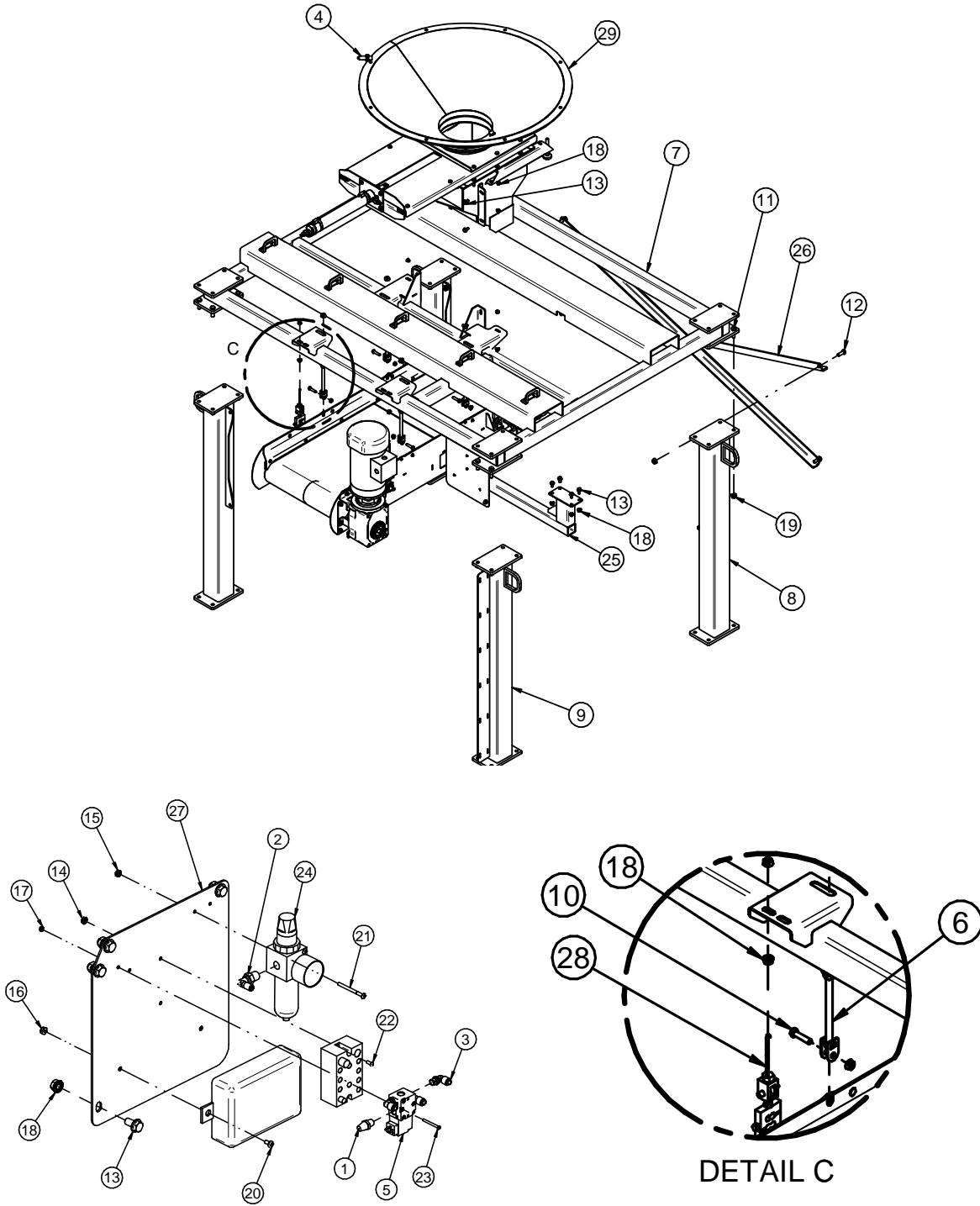


LPV SEED TREATER MECHANICAL DRAWINGS

WEIGH BELT HV08 (13-05-0652 REV B 003 13-05-0785 REV A 000)

PART #		13-05-0652 REV B 003 13-05-0785 REV A 000		
Item #	Part #	Description	Qty	See Page #
1	02-02-0049	FLTR EXHAUST BRZ .125 NPT	1	
2	02-03-0051	TBG .250 OD NYL BLK	10	
3	02-16-0044	FTTG PUSH 90 DEG .250OD X .250 NPT	1	
4	03-16-0286	PLC BUS MOD X67DM9321	1	
5	02-16-0046	FTTG PUSH 90 DEG .250 OD X .125 NPT	3	
6	03-17-0080	VLV SOL MAC 45A-AA1-DDAJ-1KJ	1	
7	05-03-1753	WDMT SHIPPING BRKT	4	
8	05-03-1754	WDMT WB MNT FRAME	1	
9	05-03-1762	WDMT LEG RH WB FRM	3	
10	05-03-1763	WDMT LEG LH WB FRM	1	
11	06-01-0018	BOLT .375-16 X 1.50 ZP GR5	4	
12	06-01-0054	BOLT .500-13 X 1.75 ZP GR5	12	
13	06-01-0080	BOLT .500-13 X 1.25 ZP GR5	5	
14	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	12	
15	06-02-0033	NUT KLOCK 6-32 ZP	2	
16	06-02-0034	NUT KLOCK 8-32 ZP	2	
17	06-02-0043	NUT NYL LOCK 10-24 ZP	2	
18	06-02-0052	NUT KLOCK 4-40 ZP	2	
19	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	24	
20	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	25	
21	06-06-0029	SCRW MACH 10-24 X .375 PHLP PHD ZP	2	
22	06-06-0047	SCRW MACH 8-32 X 2.00 PHLP RDHD ZP	2	
23	06-06-0074	SCRW MACH 6-32 X .500 PHLP RDHD SS	2	
24	06-06-0079	SCRW MACH 4-40 X1.25 PHLP PHD	2	
25	07-03-0011	REGL FLTR .250	1	
26	104C19	WDMT WB SUPP	1	
27	104C44	WB LEG X BRACE	2	
28	105EFB	PLT J-BOX MNT	1	
29	13-05-0515	ASSY WB METER GATE	1	105
30	13-05-0638	ASSY WEIGH BELT BASE HC 240V/480V/3PH	1	109
30	13-05-0786	ASSY WEIGH BELT BASE HC 575V / 3PH		107

**WEIGH BELT UNDER WEIGH HOPPER HV08
(13-05-0670 REV B 002 13-05-0751 REV A 000)**



LPV SEED TREATER MECHANICAL DRAWINGS

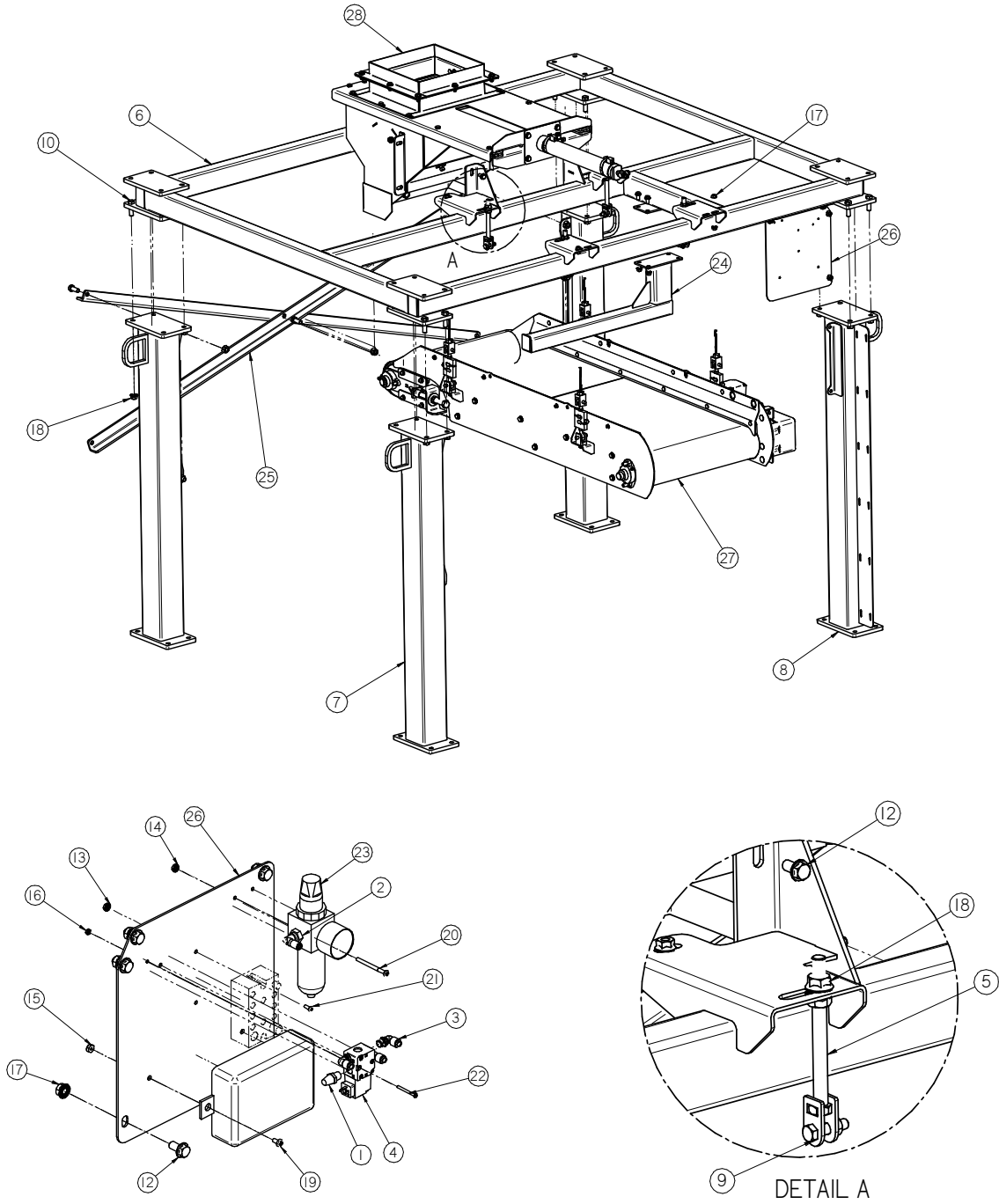
WEIGH BELT UNDER WEIGH HOPPER HV08
(13-05-0670 REV B 002 13-05-0751 REV A 000)

PART #

13-05-0670 REV B 002

Item #	Part #	Description	Qty	See Page #
1	02-02-0049	FLTR EXHAUST BRZ .125 NPT	1	
2	02-16-0044	FTTG PUSH 90 DEG .250OD X .250 NPT	1	
3	02-16-0046	FTTG PUSH 90 DEG .250 OD X .125 NPT	3	
4	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	1	
5	03-17-0080	VLV SOL MAC 45A-AA1-DDAJ-1KJ	1	
6	05-03-1753	WDMT SHIPPING BRKT	4	
7	05-03-1754	WDMT WB MNT FRAME	1	
8	05-03-1762	WDMT LEG RH WB FRM	3	
9	05-03-1763	WDMT LEG LH WB FRM	1	
10	06-01-0018	BOLT .375-16 X 1.50 ZP GR5	4	
11	06-01-0054	BOLT .500-13 X 1.75 ZP GR5	12	
12	06-01-0080	BOLT .500-13 X 1.25 ZP GR5	5	
13	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	12	
14	06-02-0033	NUT KLOCK 6-32 ZP	2	
15	06-02-0034	NUT KLOCK 8-32 ZP	2	
16	06-02-0043	NUT NYL LOCK 10-24 ZP	2	
17	06-02-0052	NUT KLOCK 4-40 ZP	2	
18	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	24	
19	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	25	
20	06-06-0029	SCRW MACH 10-24 X .375 PHLP PHD ZP	2	
21	06-06-0047	SCRW MACH 8-32 X 2.00 PHLP RDHD ZP	2	
22	06-06-0074	SCRW MACH 6-32 X .500 PHLP RDHD SS	2	
23	06-06-0079	SCRW MACH 4-40 X1.25 PHLP PHD	2	
24	07-03-0011	REGL FLTR .250	1	
25	104C19	WDMT WB SUPP	1	
26	104C44	WB LEG X BRACE	2	
27	105EFB	PLT J-BOX MNT	1	
28	13-05-0638	ASSY WEIGH BELT BASE HC 240/480/3PH	1	109
28	13-05-0752	ASSY WEIGH BELT BASE HC 575V/3PH	1	109
29	13-05-0671	ASSY WB METER GATE WH	1	104

WEIGH BELT UNDER 21 UNIT HOPPER LV08 (13-05-0704 REV B 000)



LPV SEED TREATER MECHANICAL DRAWINGS

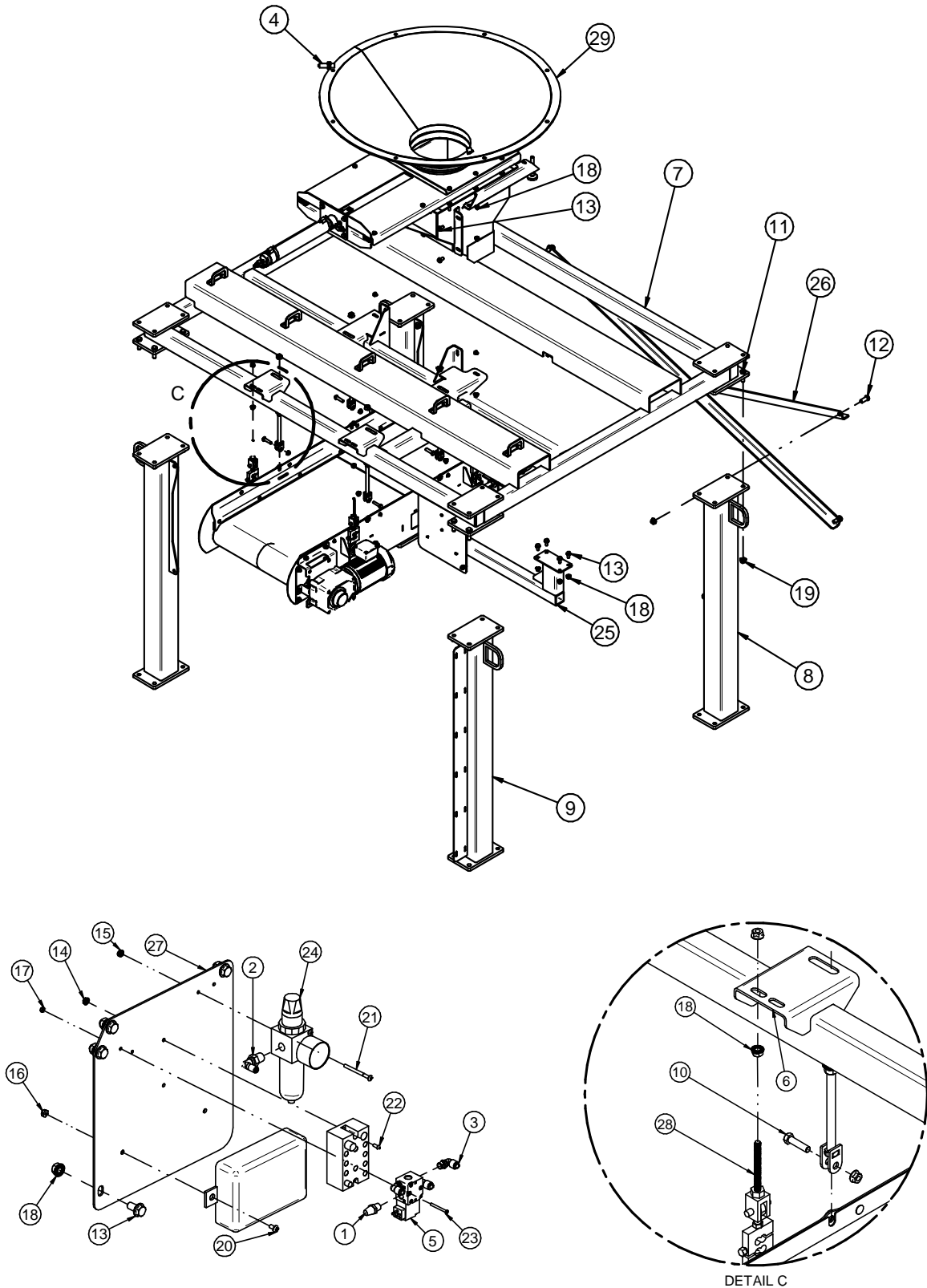
WEIGH BELT UNDER 21 UNIT HOPPER LV08 (13-05-0704 REV B 000)

PART #

13-05-0704 REV B 000

Item #	Part #	Description	Qty	See Page #
1	02-02-0049	FLTR EXHAUST BRZ .125 NPT	1	
2	02-16-0044	FTTG PUSH 90 DEG .250OD X .250 NPT	1	
3	02-16-0046	FTTG PUSH 90 DEG .250 OD X .125 NPT	3	
4	03-17-0080	VLV SOL MAC 45A-AA1-DDAJ-1KJ	1	
5	05-03-1753	WDMT SHIPPING BRKT	4	
6	05-03-1754	WDMT WB MNT FRAME	1	
7	05-03-1762	WDMT LEG RH WB FRM	3	
8	05-03-1763	WDMT LEG LH WB FRM	1	
9	06-01-0018	BOLT .375-16 X 1.50 ZP GR5	4	
10	06-01-0054	BOLT .500-13 X 1.75 ZP GR5	12	
11	06-01-0080	BOLT .500-13 X 1.25 ZP GR5	5	
12	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	12	
13	06-02-0033	NUT KLOCK 6-32 ZP	2	
14	06-02-0034	NUT KLOCK 8-32 ZP	2	
15	06-02-0043	NUT NYL LOCK 10-24 ZP	2	
16	06-02-0052	NUT KLOCK 4-40 ZP	2	
17	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	24	
18	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	25	
19	06-06-0029	SCRW MACH 10-24 X .375 PHLP PHD ZP	2	
20	06-06-0047	SCRW MACH 8-32 X 2.00 PHLP RDHD ZP	2	
21	06-06-0074	SCRW MACH 6-32 X .500 PHLP RDHD SS	2	
22	06-06-0079	SCRW MACH 4-40 X1.25 PHLP PHD	2	
23	07-03-0011	REGL FLTR .250	1	
24	104C19	WDMT WB SUPP	1	
25	104C44	WB LEG X BRACE	2	
26	105EFB	PLT J-BOX MNT	1	
27	13-05-0514	ASSY WEIGH BELT BASE	1	107
28	13-05-0515	ASSY WB METER GATE	1	105

WEIGH BELT UNDER WEIGH HOPPER LV08 (13-05-0830 REV A 000)



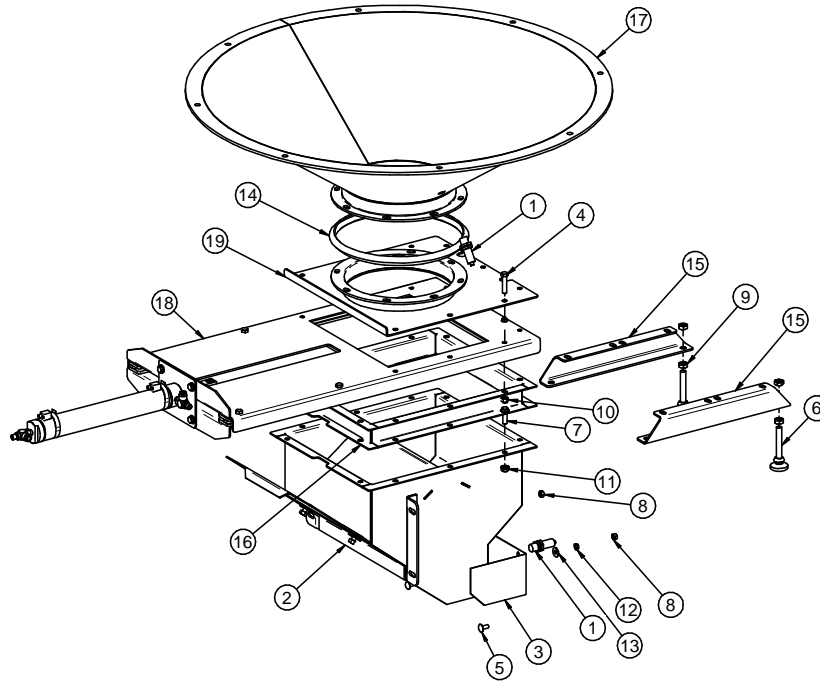
LPV SEED TREATER MECHANICAL DRAWINGS

WEIGH BELT UNDER WEIGH HOPPER LV08 (13-05-0830 REV A 000)

PART #		13-05-0830 REV A 000		
Item #	Part #	Description	Qty	See Page #
1	02-02-0049	FLTR EXHAUST BRZ .125 NPT	1	
2	02-16-0044	FTTG PUSH 90 DEG .250OD X .250 NPT	1	
3	02-16-0046	FTTG PUSH 90 DEG .250 OD X .125 NPT	3	
4	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	1	
5	03-17-0080	VLV SOL MAC 45A-AA1-DDAJ-1KJ	1	
6	05-03-1753	WDMT SHIPPING BRKT	4	
7	05-03-1754	WDMT WB MNT FRAME	1	
8	05-03-1762	WDMT LEG RH WB FRM	3	
9	05-03-1763	WDMT LEG LH WB FRM	1	
10	06-01-0018	BOLT .375-16 X 1.50 ZP GR5	4	
11	06-01-0054	BOLT .500-13 X 1.75 ZP GR5	12	
12	06-01-0080	BOLT .500-13 X 1.25 ZP GR5	5	
13	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	12	
14	06-02-0033	NUT KLOCK 6-32 ZP	2	
15	06-02-0034	NUT KLOCK 8-32 ZP	2	
16	06-02-0043	NUT NYL LOCK 10-24 ZP	2	
17	06-02-0052	NUT KLOCK 4-40 ZP	2	
18	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	24	
19	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	25	
20	06-06-0029	SCRW MACH 10-24 X .375 PHLP PHD ZP	2	
21	06-06-0047	SCRW MACH 8-32 X 2.00 PHLP RDHD ZP	2	
22	06-06-0074	SCRW MACH 6-32 X .500 PHLP RDHD SS	2	
23	06-06-0079	SCRW MACH 4-40 X1.25 PHLP PHD	2	
24	07-03-0011	REGL FLTR .250	1	
25	104C19	WDMT WB SUPP	1	
26	104C44	WB LEG X BRACE	2	
27	105EFB	PLT J-BOX MNT	1	
28	13-05-0514	ASSY WEIGH BELT BASE	1	107
29	13-05-0671	ASSY WB METER GATE WH	1	104

LPV SEED TREATER MECHANICAL DRAWINGS

WEIGH BELT METER GATE UNDER WEIGH HOPPER (13-05-0671 REV B 001)

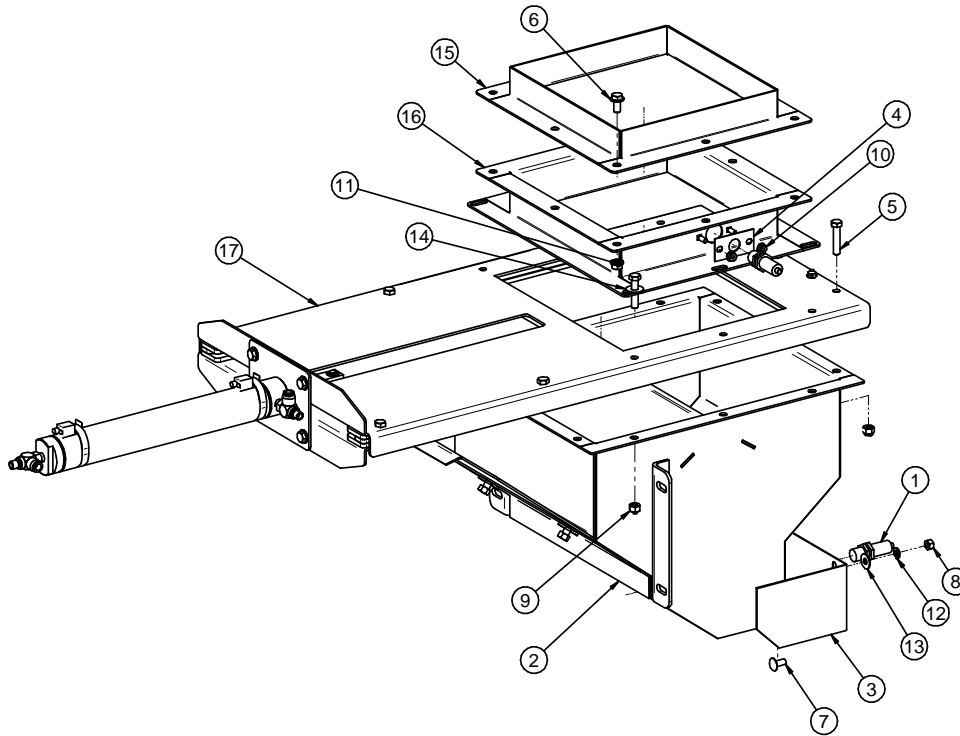


PART #

13-05-0671 REV A 001

Item #	Part #	Description	Qty	See Page #
1	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	2	
2	05-07-1041	ASSY SD LAD CS W GATE	1	
3	05-10-1977	PLT SEED LDDR ADJ OTLT	1	
4	06-01-0019	BOLT .375-16 X 1.75 ZP GR5	9	
5	06-01-0171	BOLT CRG .313-18X.750ZP SHORT NECK	2	
6	06-01-0176	LEVELING MNT CUSHION .500-13 200LB	2	
7	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	11	
8	06-02-0002	NUT FULL .313-18 ZP GR5	2	
9	06-02-0098	NUT .500-13 ZP JAM	4	
10	06-03-0003	NUT NYL LOCK .375-16 ZP GR5	9	
11	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	11	
12	06-04-0002	WSHR LOCK SPLT .313 ZP	2	
13	06-05-0003	WSHR FLAT .313 ZP	2	
14	06-07-0051	10 IN BAND CLAMP	1	
15	105C37	SUPPT BRKT SD LDR	2	
16	106B12	WDMT GATE SPACER	1	
17	106B13	WDMT CONE	1	
18	12-04-0041	SLIDE GATE	1	106
19	12-04-0069	WDMT FLNG ADPT SLD GATE	1	

WEIGH BELT METERING GATE HV08 LV08 (13-05-0515 REV B 002)



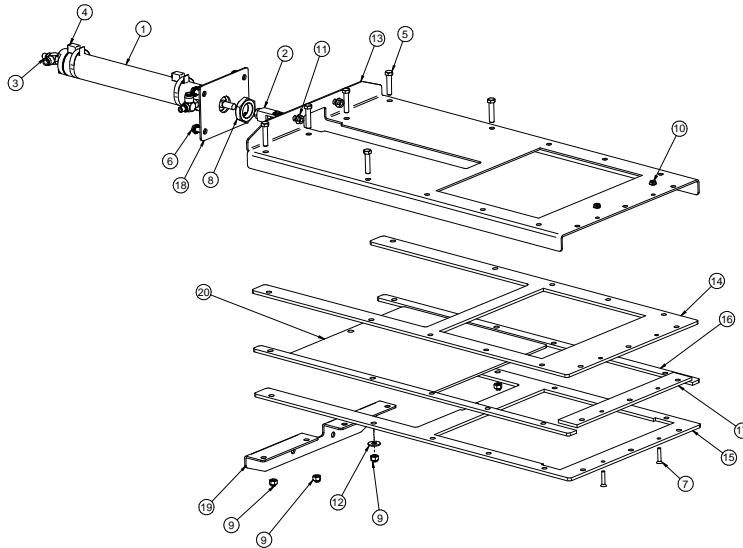
PART #

13-05-0515 REV B 002

Item #	Part #	Description	Qty	See Page #
1	03-10-0147	SENS PROX 24VDC AB QC 875CPN8NP18P3	2	
2	05-07-1041	ASSY SD LAD CS W GATE	1	
3	05-10-1977	PLT SEED LDDR ADJ OTLT	1	
5	05-10-3315	PLT SMW PROX SW MNT	1	
6	06-01-0019	BOLT .375-16 X 1.75 ZP GR5	9	
7	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	8	
8	06-01-0171	BOLT CRG .313-18X.750ZP SHORT NECK	2	
9	06-02-0002	NUT FULL .313-18 ZP GR5	2	
10	06-03-0003	NUT NYL LOCK .375-16 ZP GR5	9	
11	06-03-0013	NUT LOCK FLG .250-20 ZP GR5	2	
12	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	8	
13	06-04-0002	WSHR LOCK SPLT .313 ZP	2	
14	06-05-0003	WSHR FLAT .313 ZP	2	
15	06-05-0004	WSHR FLAT .375 ZP	6	
16	104C8D	WDMT HOPP ADPT	1	
17	105222	WDMT SLD GATE TRAN WB	1	
18	12-04-0041	SLIDE GATE	1	106

LPV SEED TREATER MECHANICAL DRAWINGS

ASSEMBLY SLIDE GATE HV08 LV08 (12-04-0041 REV A 001)



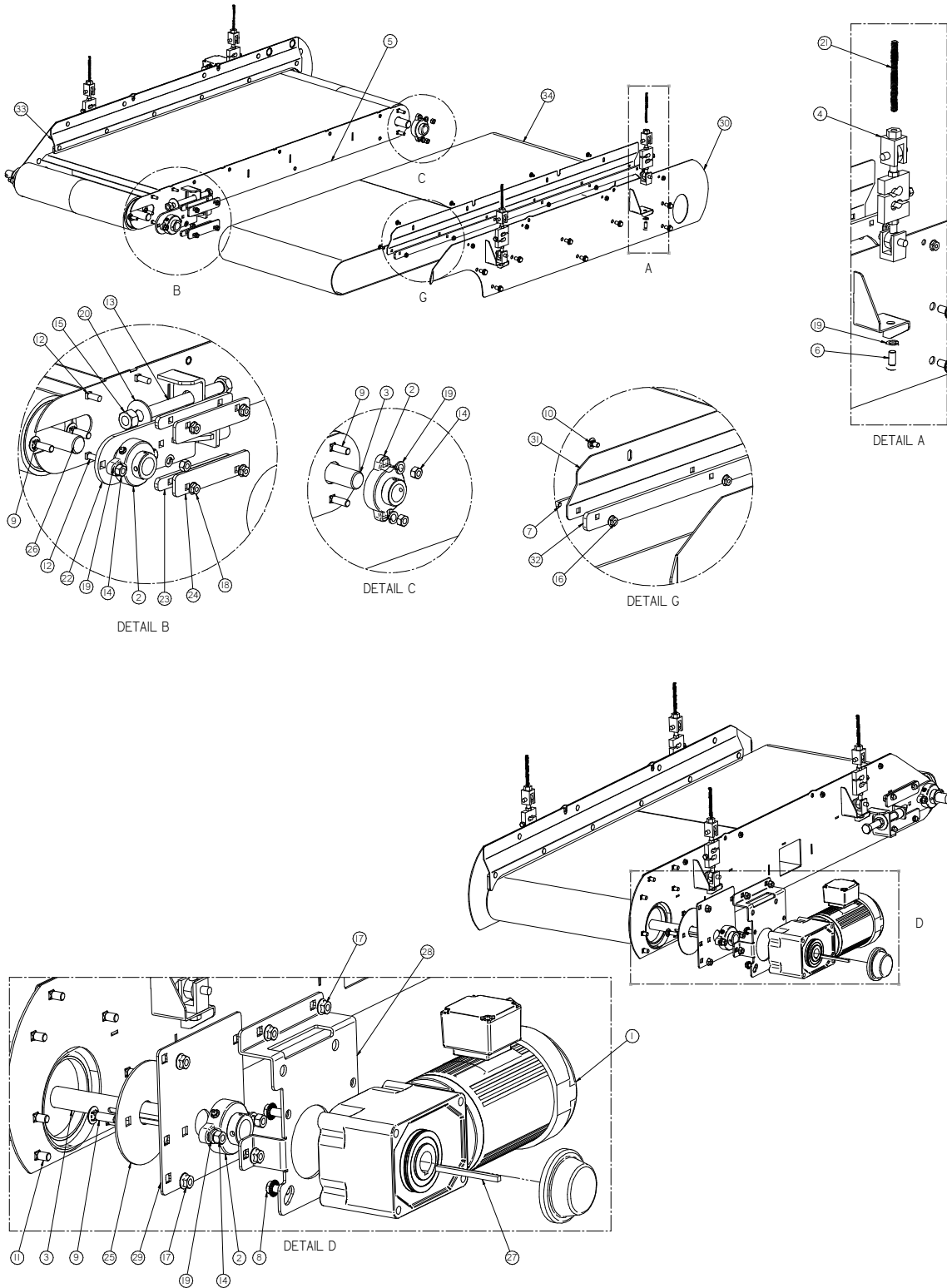
PART #

12-04-0041 REV A 001

Item #	Part #	Description	Qty	See Page #
1	03-17-0040	CYLINDER AIR 12" STROKE 2" BORE	1	
2	03-17-0041	CLEVIS ASSY BIMBA D-8313-A	1	
3	03-17-0068	VLV NEDL .250OD X .250NPT FQP44	2	
4	03-17-0121	SW MAG REED MRS-.087-BLQ-31	2	
5	06-01-0019	BOLT .375-16 X 1.75 ZP GR5	6	
6	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	4	
7	06-01-0155	SCRW MACH .250-20 X 1.25 SH FLHD	2	
8	06-02-0064	NUT BIMBA D-508	1	
9	06-03-0003	NUT NYL LOCK .375-16 ZP GR5	6	
10	06-03-0013	NUT LOCK FLG .250-20 ZP GR5	2	
11	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	4	
12	06-05-0004	WSHR FLAT .375 ZP	2	
13	105218	GATE FRAME	1	
14	105219	GATE TOP SLIDE	1	
15	10521A	GATE BTM SLIDE	1	
16	10521B	GATE BTM SLIDE	2	
17	10521C	GATE END SPCR	1	
18	10521D	POWER PLATE	1	
19	10521E	CYL MNT PLT	1	
20	10521F	GATE SLIDE WB	1	

LPV SEED TREATER MECHANICAL DRAWINGS

LV08 BASIC WEIGH BELT ASSEMBLY
(13-05-0514 REV A 003 13-05-0786 REV A 000)



LPV SEED TREATER MECHANICAL DRAWINGS

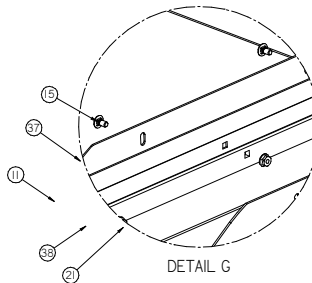
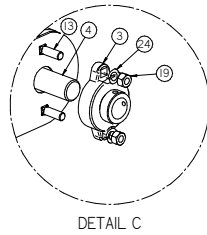
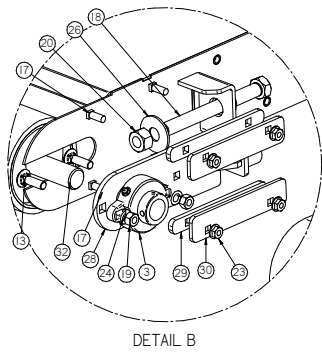
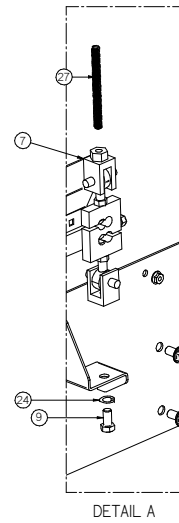
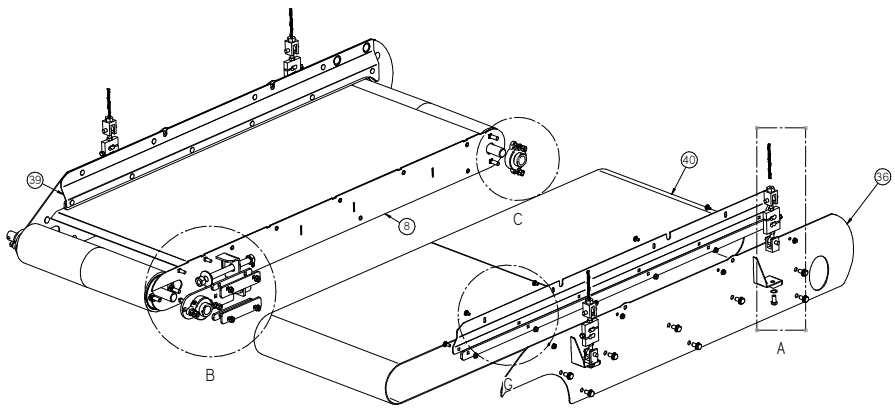
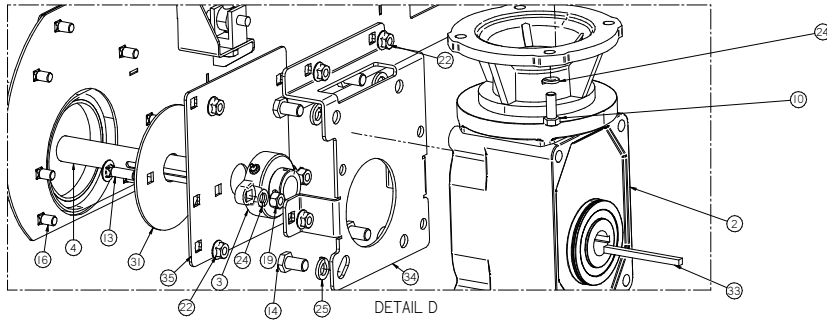
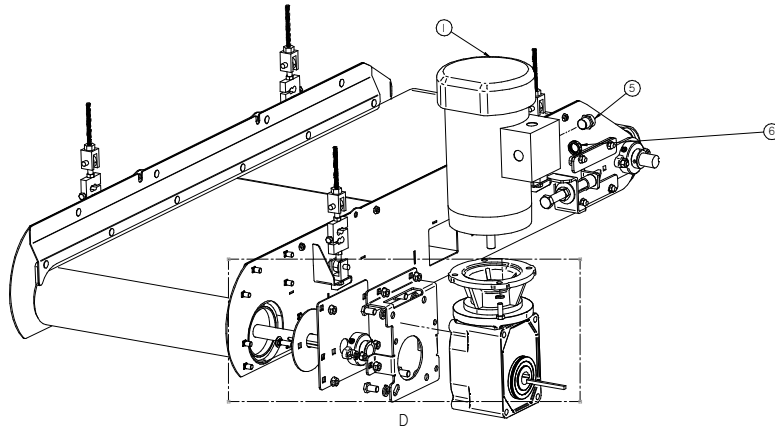
LV08 BASIC WEIGH BELT ASSEMBLY
(13-05-0514 REV A 003 13-05-0786 REV A 000)

PART #A1:E37

13-05-0514 REV A 003 13-05-05-0876 REV A 000

Item #	Part #	Description	Qty	See Page #
1	01-01-0225	GMTR RA .50 HP 72RPM 3PH HLLW 1.0 240/480V/3PH	1	
1	01-01-0258	GMTR RA .50 HP 72RPM 875V/ 3PH	1	
2	01-03-0042	BRG FLG MNT 1.000ID 2BOLT ECNTRC	4	
3	01-08-0098	PULLEY HEAD VULC S3000	1	
4	03-19-0093	ITCM 4 CELL KIT 1000LB	1	
5	05-03-1656	WDMT WEIGH BELT FRAME	1	
6	06-01-0015	BOLT .375-16 X .750 ZP GR5	4	
7	06-01-0122	BOLT CRG .250-20 X .750 ZP GR5	12	
8	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	12	
9	06-01-0127	BOLT CRG .375-16 X 1.25 ZP GR5	8	
10	06-01-0150	BOLT CRG .250-20 X .500 ZP	8	
11	06-01-0153	BOLT CRG .375-16X.750 ZP SHORT NECK	8	
12	06-01-0223	BOLT CRG .313-18 X 1.00 ZP GR5	8	
13	06-01-0269	BOLT .625-11 X 6.00 ZP GR5 FTH	2	
14	06-02-0003	NUT FULL .375-16 ZP GR5	8	
15	06-02-0005	NUT FULL .625-11 ZP GR5	4	
16	06-03-0013	NUT LOCK FLG .250-20 ZP GR5	20	
17	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	8	
18	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	8	
19	06-04-0003	WSHR LOCK SPLT .375 ZP	12	
20	06-05-0006	WSHR FLAT .625 ZP	4	
21	06-14-0023	STUD .375-16 ZP X 4 IN LG ZP	4	
22	10418D	WDMT TAKE UP WEIGH BELT	2	
23	10418E	PLT TAKE UP PLT SPCR	4	
24	10418F	PLT TAKE UP CLMP	4	
25	104195	PLT PLY SPCR	1	
26	104245	TAIL PULLEY WEIGH BELT	1	
27	10425D	KEY	1	
28	104C02	PLT MTR MNT WEIGH BELT	1	
29	104C03	PLT BRG MNT	1	
30	104C06	WDMT WEIGH BELT SIDE	1	
31	105124	WEIGH BELT SKIRT RH	1	
32	105125	WEIGH BELT SEAL	2	
33	105126	WEIGH BELT SKIRT LH	1	
34	11-02-0163	BELT CNVR WEIGH BELT	1	

WEIGH BELT ASSEMBLY HV08 (13-05-0638 REV A 003 13-05-0752 REV A 000)



LPV SEED TREATER MECHANICAL DRAWINGS

WEIGH BELT ASSEMBLY HV08 (13-05-0638 REV A 003 13-05-0786 REV A 000)

PART # 13-05-0638 REV A 003 13-05-0786 REV A 000

Item #	Part #	Description	Qty	See Page #
1	01-01-0095	MTR 1HP 1725RPM 56C 240V / 3PH	1	
1	01-01-0282	GMTR RA .5 HP 72RPM 575V / 3PH	1	
2	01-01-0268	GBOX RA HB 15:1 56C 1IN BORE 240V / 3PH ONLY	1	
3	01-03-0042	BRG FLG MNT 1.000ID 2BOLT ECNTRC	4	
4	01-08-0098	PULLEY HEAD VULC S3000	1	
5	03-06-0101	PLUG TURCK RSF 44-0.5M/NPT	1	
6	03-08-0308	NUT NYLOC .500 NPT 8464	1	
7	03-19-0093	ITCM 4 CELL KIT 1000LB	1	
8	05-03-1656	WDMT WEIGH BELT FRAME	1	
9	06-01-0015	BOLT .375-16 X .750 ZP GR5	4	
10	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	4	
11	06-01-0122	BOLT CRG .250-20 X .750 ZP GR5	12	
12	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	8	
13	06-01-0127	BOLT CRG .375-16 X 1.25 ZP GR5	8	
14	06-01-0145	BOLT M12-1.75 X 20MM FTH	4	
15	06-01-0150	BOLT CRG .250-20 X .500 ZP	8	
16	06-01-0153	BOLT CRG .375-16X.750 ZP SHORT NECK	8	
17	06-01-0223	BOLT CRG .313-18 X 1.00 ZP GR5	8	
18	06-01-0269	BOLT .625-11 X 6.00 ZP GR5 FTH	2	
19	06-02-0003	NUT FULL .375-16 ZP GR5	8	
20	06-02-0005	NUT FULL .625-11 ZP GR5	4	
21	06-03-0013	NUT LOCK FLG .250-20 ZP GR5	20	
22	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	8	
23	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	8	
24	06-04-0003	WSHR LOCK SPLT .375 ZP	16	
25	06-04-0004	WSHR LOCK SPLT .500 ZP	4	
26	06-05-0006	WSHR FLAT .625 ZP	4	
27	06-14-0023	STUD .375-16 ZP X 4 IN LG ZP	4	
28	10418D	WDMT TAKE UP WEIGH BELT	2	
29	10418E	PLT TAKE UP PLT SPCR	4	
30	10418F	PLT TAKE UP CLMP	4	
31	104195	PLT PLY SPCR	1	
32	104245	TAIL PULLEY WEIGH BELT	1	
33	10425D	KEY	1	
34	104C02	PLT MTR MNT WEIGH BELT	1	
35	104C03	PLT BRG MNT	1	

LPV SEED TREATER MECHANICAL DRAWINGS

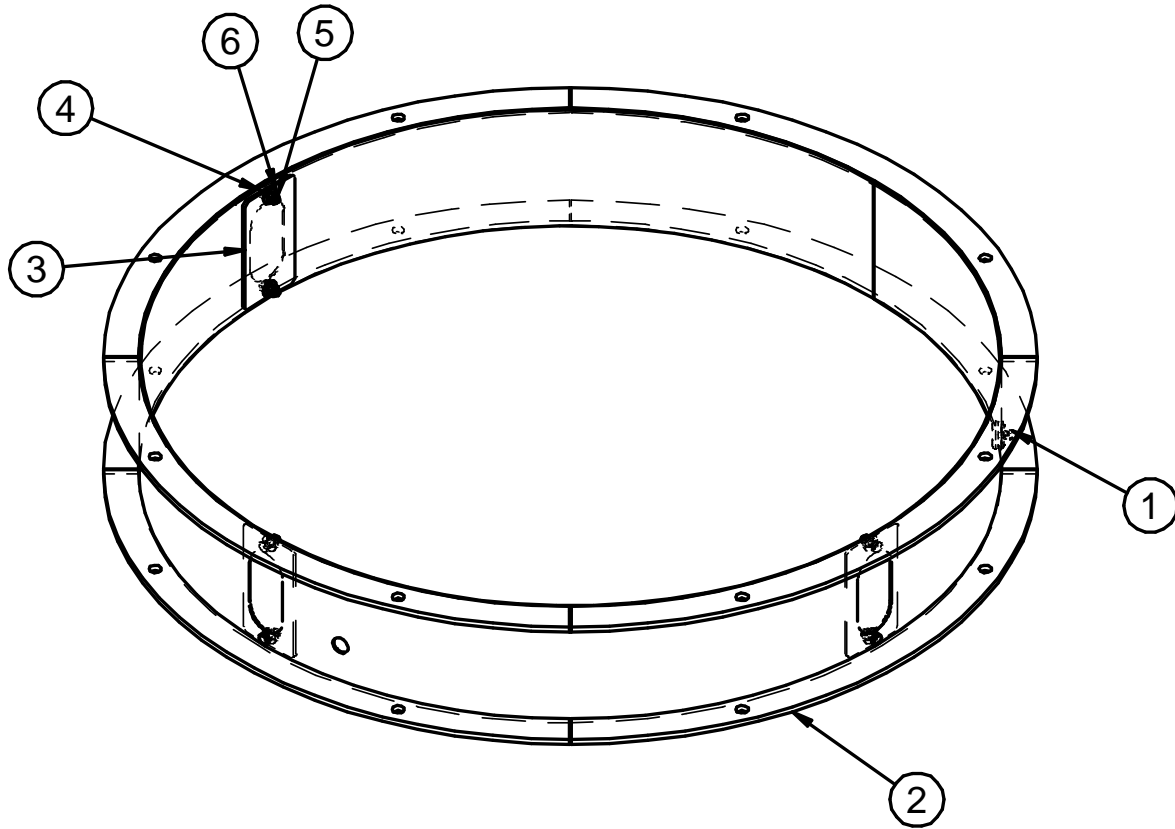
WEIGH BELT ASSEMBLY HV08 (13-05-0638 REV A 003 13-05-0796 REV A 000)

PART #

13-05-0638 REV A 003

Item #	Part #	Description	Qty	See Page #
37	105124	WEIGH BELT SKIRT RH	1	
38	105125	WEIGH BELT SEAL	2	
39	105126	WEIGH BELT SKIRT LH	1	
40	11-02-0163	BELT CNVR WEIGH BELT	1	

HOPPER EXTENSION 6 INCH HV08 LV08 (13-04-0121 REV A 002)

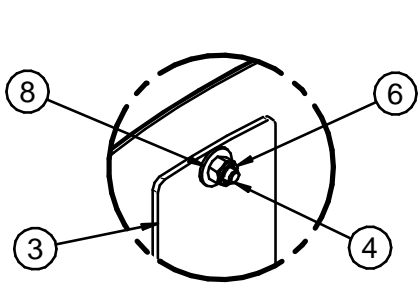


PART #

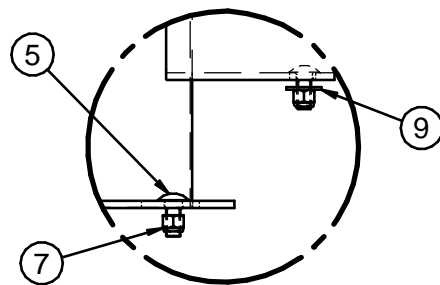
13-04-0121 REV A 002

Item #	Part #	Description	Qty	See Page #
1	03-08-0130	PLUG STEEL 22MM	1	
2	05-07-0367	WDMT 36ID X 6 INLET HOPP EXT CS	1	
3	05-10-4064	PLT HOPP 6IN EXT VIEW	3	
5	06-01-0006	BOLT .250-20 X .750 ZP GR5	6	
6	06-03-0001	NUT NYL LOCK .250-20 ZP GR5	6	
7	06-05-0001	WSHR FLAT .250 ZP	6	

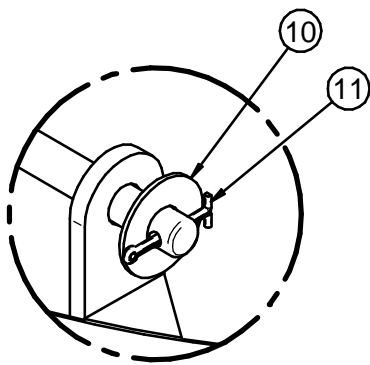
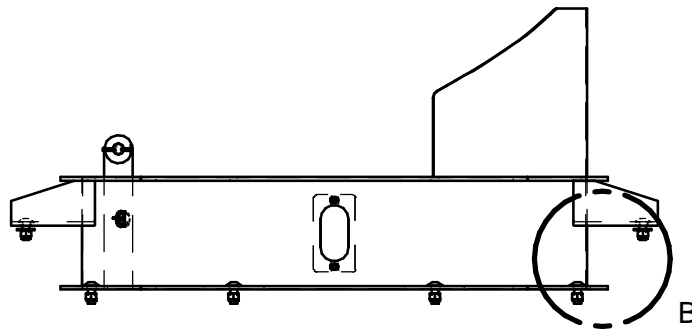
LPV SEED TREATER MECHANICAL DRAWINGS
HOPPER EXTENSION 8 INCH PV08 (10550E REV A 002)



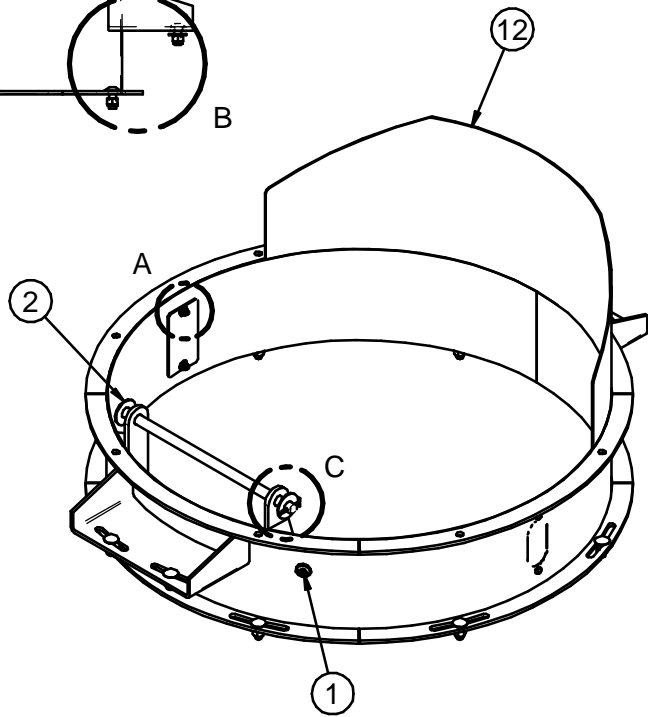
DETAIL A



DETAIL B



DETAIL C



LPV SEED TREATER MECHANICAL DRAWINGS

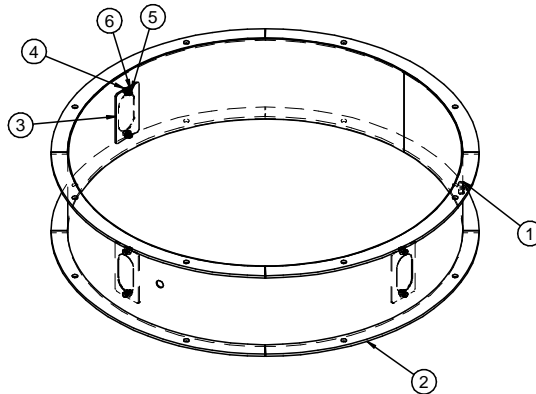
HOPPER EXTENSION 8 INCH PV08 (10550E REV A 002)

PART #

10550E REV A 002

Item #	Part #	Description	Qty	See Page #
1	03-08-0130	PLUG STEEL 22MM	1	
2	05-04-0016	WDMT FRNT PIVOT ROD	1	
3	05-10-4034	PLT HOPP 6IN EXT VIEW	2	
4	06-01-0006	BOLT .250-20 X .750 ZP GR5	4	
5	06-01-0062	BOLT CRG .500-13 X 1.25 ZP GR5	12	
6	06-03-0001	NUT NYL LOCK .250-20 ZP GR5	4	
7	06-03-0004	NUT NYL LOCK .500-13 ZP GR5	12	
8	06-05-0001	WSHR FLAT .250 ZP	4	
9	06-05-0005	WSHR FLAT .500 ZP	4	
10	06-05-0007	WSHR FLAT .750 ZP	1	
11	06-09-0023	PIN CTTR .188 X 2.00 ZP	1	
12	105510	WDMT 36ID X 8 INLET HOPP EXT CS	1	

HOPPER EXTENSION 9 INCH HV08 LV08 (13-04-0204 REV A 003)

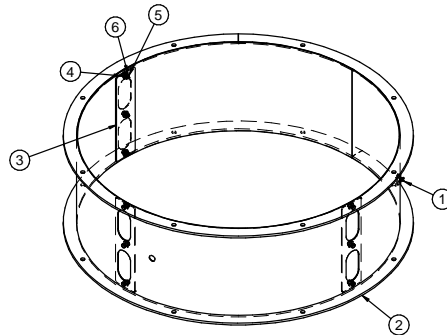


PART #

13-04-0204 REV A 003

Item #	Part #	Description	Qty	See Page #
1	03-08-0130	PLUG STEEL 22MM	1	
2	05-07-0810	WDMT 36ID X 9 INLET HOPP EXT CS	1	
3	05-10-4064	PLT HOPP 6IN EXT VIEW	3	
5	06-01-0006	BOLT .250-20 X .750 ZP GR5	6	
6	06-03-0001	NUT NYL LOCK .250-20 ZP GR5	6	
7	06-05-0001	WSHR FLAT .250 ZP	6	

HOPPER EXTENSION 12 INCH HV08 LV08 (13-04-0043 REV A 003)



PART #

13-04-0043 REV A 003

Item #	Part #	Description	Qty	See Page #
1	03-08-0130	PLUG STEEL 22MM	1	
2	05-07-0008	WDMT 36ID X 12 INLET HOPP EXT CS	1	
3	05-10-0362	CVR CLEAR VP HOPP EXT	3	
4	06-01-0006	BOLT .250-20 X .750 ZP GR5	9	
5	06-03-0001	NUT NYL LOCK .250-20 ZP GR5	9	
6	06-05-0001	WSHR FLAT .250 ZP	9	

LPV SEED TREATER MECHANICAL DRAWINGS

INDEX BY PART NUMBER

DRAWING #	REV	LEVEL	DESCRIPTION	PAGE
00			MOTORS & CONTROL PANELS & GEAR MOTORS	38
04-01-0033	A	000	LP4000 ATMZR	59
04-02-0004	A	000	ASSY ATMZR HEAD COT	62
04-03-0305	A	002	ASSY STTC MXR & VLVS 4 PORT	73
04-03-0306	A	001	ASSY STTC MXR & VLVS 4 ADDON	74
04-03-0307	A	000	ASSY STTC MXR & VLVS 4 ADDON W BRKT	75
04-03-0314	A	002	ASSY STTC MXR & VLVS 8 PORT PPT	76
05-07-0198	B	001	ASSY END CHUTE DOOR GALV	49
05-07-0946	A	001	ASSY WB TRTR HOOD LPV3000	92
105503	A	002	ASSY FLOW CHMBR SHORT	71
10550E	A	002	ASSY EXT HOPP 8IN	113
12-04-0041	A	001	SLIDE GATE	106
12-04-0080	A	000	ASSY LIW GATE V4 TRTR & WH	87
12-04-0081	A	000	ASSY AT500 LIW GATE W ACTR	90
13-04-0043	A	003	ASSY EXT HOPP LP800-2000 12IN	115
13-04-0058	B	000	KIT SMW SCL CALB	83
13-04-0121	A	002	ASSY EXT HOPP LP800-2000 6IN	112
13-04-0201	B	005	ASSY SEED METER WHL LPX/LPV 240V	77
13-04-0204	A	003	ASSY EXT HOPP 9IN	115
13-04-0222	B	001	ASSY SEED METER WHL LPX/LPV 575V	77
13-04-0231	B	001	ASSY SEED METER WHL LPX/LPV 380-480	77
13-05-0514	A	003	ASSY WEIGH BELT BASE	107
13-05-0515	B	002	ASSY WB METER GATE	105
13-05-0516	A	002	ASSY WB USE HOPP	93
13-05-0519	A	001	WEIGH BELT HOOD ASSEMBLY LV08	91
13-05-0520	A	001	LEG KIT WB OVER LPV	95
13-05-0608	A	000	ASSY TRTR TRANS LOCK	51
13-05-0638	A	003	ASSY WEIGH BELT BASE HC	109
13-05-0640	A	001	LEG KIT WB OVER LPV HC	94
13-05-0652	B	003	ASSY WB 20IN CS HC V4	96

LPV SEED TREATER MECHANICAL DRAWINGS

INDEX BY PART NUMBER

DRAWING #	REV	LEVEL	DESCRIPTION	PAGE
13-05-0670	B	002	ASSY WB 20IN CS HC V4 WH	98
13-05-0671	B	001	ASSY WB METER GATE WH	104
13-05-0704	B	000	ASSY WB 20IN CS V4	100
13-05-0751	A	000	ASSY WB 20IN CS HC V4 575V	98
13-05-0752	A	000	ASSY WEIGH BELT BASE HC 575V	109
13-05-0785	A	000	ASSY WB 20IN CS V4 575V	96
13-05-0786	A	000	ASSY WEIGH BELT BASE 575V	107
13-05-0830	A	000	ASSY WB 20IN CS STDC V4 WH	102
18-01-0072	B	000	ASSY END CHUTE EXT LPX	50
18-01-0252	A	004	WELDMENT INLET HOPPER LV08 PV08	66
18-01-0270	B	000	ASSY END CHUTE LPV CS	48
18-01-0315	A	001	ASSY LPV DRM SHIPPING BRKT	50
18-01-0316	A	000	ASSY DRUM STABILIZER PAD	51
18-01-0322	A	001	ASSY GRD DRUM LPV RT 8FT GALV	52
18-01-0325	A	001	ASSY GRD DRUM LPV LT 8FT GALV	52
18-01-0343	A	000	STATIC BRUSH WITH HOLDER	49
18-01-0350	A	001	ASSY FLOW CHMBR LPX2000 CS	69
18-01-0359	A	001	ASSY ATMZR LPV SS QD	60
18-01-0384	A	002	ASSY DRUM LPV 8FT CS CHN DRV	53
18-01-0398	A	000	INLET HOPPER PV08	66
18-01-0399	A	001	ASSY END CHUTE LPV CS PORT	48
18-01-0430	A	000	ASSY FLOW CHMBR LPV3000	67
18-01-0431	A	001	ASSY ATMZR LPV3000	57
18-01-0432	A	001	ASSY NBLZR LPV3000	63
18-01-0434	C	004	ASSY LPV COMMON BASE CHN DRV V4 PNL	39
18-01-0437	B	001	KIT LPV DRUM GUARDS CHN DRV V4 PNL	43
18-01-0439	C	001	ASSY BASE FR LPV 8FT CHN DRV V4 PNL	45
18-01-0443	A	002	ASSY DRUM LPV 8FT SS CHN DRV	55
18-01-0450	B	001	ASSY LPV PORT BASE 8FT V4 PNL	41
18-01-0483	A	005	ASSY SCALE W BOX MNT AND SLGT RL	84

LPV SEED TREATER MECHANICAL DRAWINGS

INDEX BY PART NUMBER

DRAWING #	REV	LEVEL	DESCRIPTION	PAGE
18-01-0493	B	001	ASSY KIT LPV LIW FLOW CHMBR W CONE	89
18-01-0495	A	001	ASSY FLOW CHMBR SUPP	86

LPV SEED TREATER MECHANICAL DRAWINGS

NOTES

USC LIMITED WARRANTY

SECTION C

USC, LLC, (Manufacturer) warrants its seed treating equipment as follows:

1. **Limited Warranty:** Manufacturer warrants that the Products sold hereunder will be free from defects in material and workmanship for a period of 18 months from date of shipment. If the Products do not conform to this Limited Warranty during the warranty period, Buyer shall notify Manufacturer in writing of the claimed defects and demonstrate to Manufacturer satisfaction that said defects are covered by this Limited Warranty. If the defects are properly reported to Manufacturer within the warranty period, and the defects are of such type and nature as to be covered by this warranty, Manufacturer shall, at its expense, furnish replacement Products or, at Manufacturer's option, replacement parts for the defective products. Shipping and installation of the replacement Products or replacement parts shall be at the Buyer's expense.

2. **Other Limits:** THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Manufacturer does not warrant against damages or defects arising from improper installation (where installation is by persons other than Manufacturer), against defects in products or components not manufactured by Manufacturer, or against damages resulting from such non-Manufacturer made products or components. Manufacturer passes on to the Buyer the warranty it received (if any) from the maker of such non-Manufacturer made products or components. This warranty also does not apply to Products upon which repairs and / or modifications have been effected or attempted by persons other than pursuant to written authorization by Manufacturer. This includes any welding on equipment which could damage electrical components. Manufacturer does not warrant against casualties or damages resulting from misuse and / or abuse of Products, improper storage or handling, acts of nature, effects of weather, including effects of weather due to outside storage, accidents, or damages incurred during transportation by common carrier.

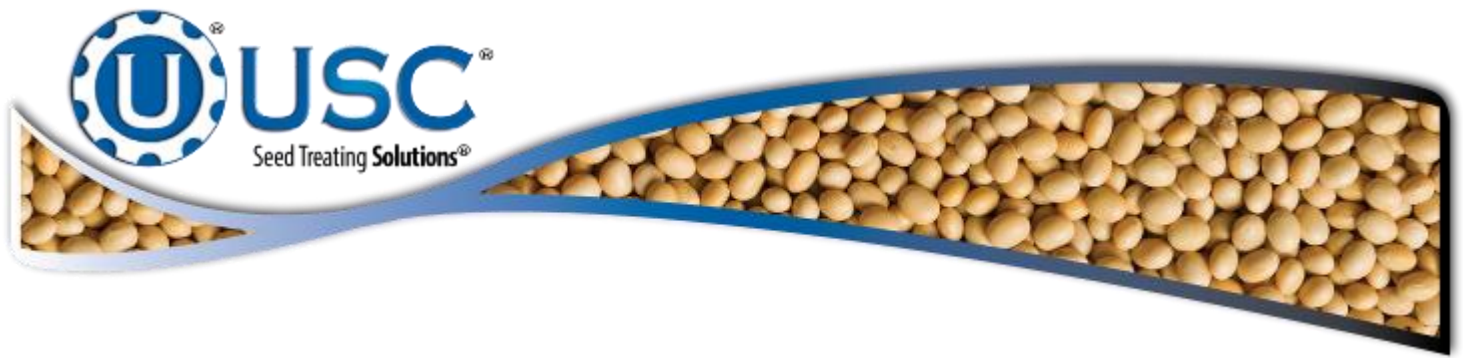
3. **Exclusive Obligation:** THIS WARRANTY IS EXCLUSIVE. The sole and exclusive obligation of Manufacturer shall be to repair or replace the defective Products in the manner and for the period provided above. Manufacturer shall not have any other obligation with respect to the Products or any part thereof, whether based on contract, tort, strict liability or otherwise. Under no circumstances, whether based on this Limited Warranty or otherwise, shall Manufacturer be liable for lost profits, lost revenue, lost sales (whether direct or indirect damages), incidental, special, punitive, indirect or consequential damages.

4. **Other Statements:** Manufacturer's employees or representatives' oral or other written statements do not constitute warranties, shall not be relied upon by Buyer, and are not a part of the contract for sale or this limited warranty.

5. **Return Policy:** Approval is required prior to returning goods to Manufacturer. A restocking fee will apply.

6. **Entire Obligation:** This Limited Warranty states the entire obligation of Manufacturer with respect to the Products. If any part of this Limited Warranty is determined to be void or illegal, the remainder shall remain in full force and effect.

US / Canada Non-Exclusive 2016



DOCUMENT REVIEW RECORD	
DATE	BY
03-20	BT

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