

OPERATION AND MAINTENANCE MANUAL

TRUCK AND TRAILER MOUNTED FEEDWAGON



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I. WARRANTY

KIRBY MANUFACTURING, INC. NON-TRANSFERRABLE LIMITED WARRANTY

GENERAL TERMS AND CONDITIONS:

KIRBY MANUFACTURING, INC. (henceforth referred to as KMI), hereby warrants to the original purchaser of a newly manufactured KMI product, that all new KMI products are guaranteed against defects in materials or manufacture under normal use for a period of one year (1) or duty cycle of 3000 hours (whichever comes first) from the original in-service date.

Improper Activity will void this limited warranty. "Improper Activity" includes any, and all, of the following: Installation by anyone other than KMI or its authorized agent, improper installation, use/operation/maintenance other than in accordance with KMI's instructions, tampering, neglect or damage by the application of force, acts of vandalism, accidents, misuse, abuse, repair/alteration or adjustment by anyone other than KMI or its authorized agent.

FOR THE WARRANTY TO BE IN EFFECT: The warranty registration form must be signed, dated and submitted to KMI within 15 days of the delivery date by the end user. If not returned, the warranty period begins from the date the equipment was invoiced to the dealer.

This warranty is subject to any existing conditions of supply which may directly affect our ability to obtain materials or manufacture replacement parts. This warranty shall in no way make KMI liable for personal injuries or damages, loss of time or expense of any kind either direct or indirect resulting from part failure or defect.

KIRBY MANUFACTURING, INC. DISCLAIMS ALL OTHER WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO AGENT OR EMPLOYEE OF KIRBY MANUFACTURING, INC IS AUTHORIZED TO EXTEND ANY OTHER WARRANTY OR OBLIGATION. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

WARRANTY PROVISIONS: During the warranty period (12 months or 3000 hrs.), KMI will repair or replace parts of the product that prove defective because of improper material or workmanship, under normal use and maintenance. This warranty is subject to the following provisions:

1. Labor is covered for a period of 90 days from the original in-service date, except defects in workmanship, which is covered for the entirety of the warranty (12 months or 3000 hours).
2. Labor will be paid at the dealer's standard hourly rate.
3. KMI will pay for standard ground shipping of parts within 90 days of the original in-service date.
 - a. The shipping carrier will be at the discretion of KMI.
 - b. All priority shipping is the responsibility of the dealer or customer.

4. All warranty work requires a KMI warranty claims form to be filled out and returned with all required documentation.
5. Warranty forms must be requested within 48 hours of the first business day after the repair.
6. All warranty claims must be submitted within 30 days of the warranty claim form date.
7. Replacement parts will have a 90-day warranty or the remainder of the KMI warranty period whichever is longer. Parts must be installed by an authorized dealer or agent of KMI.
8. Any removed parts must be marked with serial number of the unit, date of repair and warranty number.
9. Parts must be held by the dealer upon request of KMI for 30 days.
10. Parts may be requested by KMI to be returned to KMI or a supporting vendor.
 - a. Supporting vendor - A return goods authorization (RGA) and warranty claim number will be issued.
 - b. KMI - Warranty claim number will be issued.
11. If deemed defective by KMI, parts with an RGA/Warranty claim number will be reimbursed, replaced or credited back to the dealer at the net dealer cost.
12. Parts invoice for warranty goods received will be requested with warranty. If a part is purchased outside of KMI proof of purchase will be required for reimbursement.
13. The following are not covered under this warranty:
 - c. Overtime, freight and travel.
 - d. Rental fees for loaner equipment to the end customer.
 - e. Other out of pocket expenses for incurred during downtime.
 - f. Overnight/priority shipping.
 - g. Damages or repairs to tractors used with KMI equipment.
 - h. Truck and all truck parts/components (truck mounted models).
 - i. Normal wear and tear for normal replacement parts, cutting knives, exterior finish, chains, hydraulic oil & filters, belts, sprockets, u-joints etc.
 - j. Scale Systems have their own warranty and are not included in Kirby's limited warranty coverage. The warranty stated by the scale manufacturer will be honored by KMI. This does not include any freight, service calls or loaner unit for the specified repair. Scale warranty is outlined in the Scale System's owner's manual.
 - k. All parts requiring periodical maintenance that have not been (but not limited to):
 - Greased (bearings, PTO & driveline u-joints).
 - Nuts and bolts tightened.
 - Chains adjusted.
 - Oil changed.
 - Filter changed.
 - Hydraulic hoses tightened.
14. Tires, wheels and batteries have a limited warranty of 3 months from the date of original sale and warranty acceptance form. This includes oil seals for the axle hub. This does not include any flats or damage caused by negligent use or foreign objects.
15. Electrical switches and controls installed by KMI are covered against defect in workmanship for a period of one year under normal use. Part component switches are covered for 30 days.

PRODUCT IMPROVEMENTS: KMI reserves the right to make improvements and changes in material and / or design of its products with no obligation to incorporate such improvement into previously manufactured equipment.

DEALERS RESPONSIBILITIES

1. Instruct the customer in the safe operation and servicing of the unit.
2. Review the owner's manual with the customer and ensure the customer understands the complete operation, service, safety procedures and warranty of the unit.
3. Ensure customer signs and sends warranty registration to KMI within 15 days of delivery of unit.
4. Customer should be advised to have failed parts repaired or replaced immediately upon failure and that continued use will result in additional damage and excessive wear, voiding the warranty.
5. Follow correct warranty procedures including but not limited to notifying warranty department at KMI (209-723-0778) and submitting completed warranty claim form to KMI with the specified time as set forth under the "Warranty Provisions" section.
6. Perform warranty and service repairs.
7. **ALL DEALERS MUST WARRANTY THEIR TECHNICIAN'S WORK TO THE PURCHASER AND MUST INDEMNIFY KMI FROM SUCH CLAIMS.**

DELAYED WARRANTY REPAIRS

Warranty repairs should be scheduled and performed as soon as possible after notification of the dealer to KMI. There may be extenuating circumstances that require the availability of repair parts necessary to complete the repairs. In those cases, the dealer must notify KMI, in writing of the extenuating circumstance and advise that the continued use of the product will not enlarge the warranty claim. These claims, pre-approved by KMI, will then be processed as if the product is still within the warranty period.

DENIED CLAIMS

Dealers will be notified of a denied claim in writing that will state the reason for the denial. The dealer has the right to appeal this claim and must do so within 30 days of notification of denial. If there has been no appeal within the 30-day period the claim will be considered closed.

Questions or comments? Contact Us:

Kirby Manufacturing, Inc.
P.O. Box 989
Merced, CA – 95341-0989
Ph: (209) 723-0778
Fax: (209) 723 -3941
Email: rwallace@kirbymfg.com

II. WARRANTY REGISTRATION SHEET

Mail to: **Kirby Manufacturing**
P.O. Box 989
Merced, California; 95341-0989

Business Name: _____

Date: _____

Model Type: _____

Serial No: _____

Kirby Limited Warranty is valid only if the “**CHECKLIST / SIGN-OFF SHEET**” has been **completed and signed** by the Dealer/Salesperson and **understood and signed** by the Owner or his/her Representative, and the completed form is received at **Kirby Manufacturing Inc. (within 15 days)**.

The Salesperson/Dealer has reviewed the following sections in this “Operation / Maintenance Manual” with me and I completely understand the material in its entirety. Have all of the following sections of this manual been presented to me?

(If yes, put a check mark in the appropriate boxes below)

- SAFETY PROCEDURES
- FEEDWAGON STRUCTURE, TRAILER AND SUBFRAME
- BEATERS, SHAFTS, AND BEARINGS
- SPROCKETS AND CHAINS
- DRIVELINES AND POWER TAKEOFFS
- MAIN HYDRAULIC SYSTEM
- LUBRICATION AND MAINTENANCE
- ELECTRONIC SCALES AND LOADCELLS
- EQUIPMENT OPERATIONS
- SPARE PARTS

Dealer/Salesperson

Owner/Representative

Print name: _____

Print name: _____

Sign: _____

Sign: _____

1.0 SAFETY PROCEDURES

When inspecting the machine ***all power must be shut off*** and secured.

Do not attempt to work on machine when machine is running.

Caution must be used when checking rotating parts under power. It is advisable to have two (2) persons present when checking for safety. The second person should be positioned by a stop switch so the machine can be stopped **immediately** in case of an emergency.

Do not leave machine unattended while in operation.

Be sure all guards and safety devices are in place.

Scale service requires special cautions-**See section 10**

Caution: The tractor power take-off (PTO) drive line should be removed from the tractor and the key removed prior to servicing or working on the trailer mount unit.

Caution: The truck engine should be shut off: keys removed and PTO disengaged when servicing or working on the truck mount unit.

SAFE OPERATIONS:

Operation of this FEED WAGON shall be limited to competent and experienced personnel. In addition, anyone who will operate or work around a FEED WAGON must use good common sense. In order to be qualified, he or she must also know and meet all other qualifications, such as:

1. Some safety regulations specify that no one under the age of sixteen (16) may operate power machinery. It is your responsibility to know what these regulations are in your area and/or situation.
2. Current OSHA regulations state in part: At the time of initial assignment and at least annually thereafter, the employer shall instruct **EVERY** employee in the safe operation and servicing of all equipment with which the employee is, or will be involved.
3. Unqualified personnel are to **STAY OUT OF THE WORK AREA.**
4. A person who has not read and understood or been explained all operating and safety instructions are **not** qualified to operate the machinery.

FAILURE TO READ THIS FEED WAGON MANUAL AND ITS SAFETY INSTRUCTIONS ARE A MISUSE OF THE EQUIPMENT.

SAFETY

IMPORTANT SAFETY PRECAUTIONS

These operating and maintenance instructions contain safety information to:

- Make you aware of the hazards associated with the machine,
- Inform you of the risk of injury associated with those hazards, and
- Tell you how to avoid or reduce the risk of injury.

TAKE NOTE: THE BELOW SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.



**THIS SYMBOL MEANS:
-ATTENTION
-BECOME ALERT
-YOUR SAFETY IS INVOLVED**

SIGNAL WORDS: Note the use of the signal words **DANGER**, **WARNING**, and **CAUTION** with the safety messages. The appropriate signal word for each has been selected using the following guidelines:

DANGER: Indicates an imminently hazardous situation that, if not avoided, will result in serious injury or death. This signal word is to be limited to the **most** extreme situations typically for machine components which, for functional purposes, cannot be guarded.

WARNING: Indicates a potentially hazardous situation that, if not avoided, will result in serious injury or death, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION: Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

If you have questions not answered in this manual or require additional copies or the manual is damaged, please contact your dealer or **Kirby Manufacturing, P.O. Box 989, Merced, California; Phone number (209)-723-0778.**



OPERATING PRECAUTIONS & INSTRUCTIONS

- A. Check to see that no obstructions are present in the FEED WAGON prior to start up.
- B. Before loading, run the FEED WAGON empty and check all operations.
- C. **Do not overload the FEED WAGON.**
Maximum load is determined by weight, **not** volume.
- D. Be sure all shields are in place before operation.
- E. Use common sense when operating equipment.

ALWAYS REMEMBER SAFETY FIRST: The careful operator is the best operator. Most accidents are caused by human error.

Certain precautions must be observed to prevent the possibility of injury or death.



DO NOT ALLOW PERSONNEL OTHER THAN THE TRAINED AND QUALIFIED OPERATOR NEAR THE MACHINE.



NEVER START MACHINE UNTIL ALL GUARDS AND SAFETY SHIELDS ARE IN PLACE.



DO NOT CLEAN, ADJUST OR LUBRICATE THE MACHINE WHILE IT IS IN MOTION, (ALWAYS turn off and remove keys prior to performing maintenance on the machine)



BEFORE STARTING TRACTOR ENGINE, BE SURE PTO SHIELDS TURN FREELY.



LOOSE OR FLOPPY CLOTHING SHOULD NOT BE WORN BY ANYONE NEAR THE MACHINE.

EQUIPMENT SAFETY GUIDELINES

Safety is a key concern when designing and developing a new piece of equipment. Designers and manufacturers build in as many safety features as possible. However, every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you or for you, follow them. Perform regular safety audits to ensure adherence.

In order to provide a better view, certain photographs or illustrations in this manual may show an assembly with a safety shield removed. However, equipment should never be operated in this condition. Keep all shields in place. If shield removal becomes necessary for repairs, replace the shield prior to use.

Replace any **CAUTION, WARNING, DANGER** or instruction safety decal that is not readable or is missing.

Do not attempt to operate this equipment under the influence of drugs or alcohol.

Review the safety instructions with **ALL** users annually.

This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with farm machinery and trained in this equipment's operations. Do not allow personnel to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and of how it works.

To prevent injury or death, use a tractor equipped with a Roll Over Protective System (ROPS). Do not paint over, remove or deface any safety signs or warning decals on your equipment. Observe all safety signs and practice the instructions on them.

Never exceed the limitations of a piece of machinery, in its ability to do a job, or to do so Safely! If in question - **DON'T TRY IT!**

LIGHTING AND MARKING

It is the responsibility of the customer to know the lighting and marking requirements of the local highway authorities and to install and maintain the equipment to provide compliance with the regulations. Add extra lights when transporting at night or during periods of limited visibility.

 **KEEP ALL SHIELDS IN PLACE**

Do not operate FEED WAGON without safety shields in place.

Rotating parts can crush or dismember causing personal injury or death.

Disconnect PTO driveline before removing shields for adjustment or service.



 **OPERATE FEED WAGON SAFELY**

Rotating parts can entangle or strike people, resulting in personal injury or death.

Never enter a FEED WAGON while in operation.

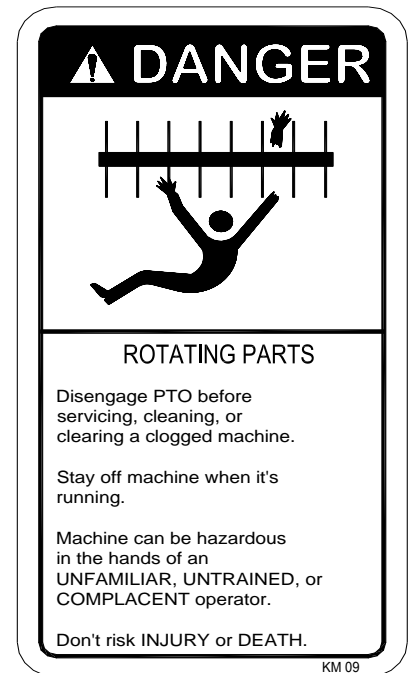
Operate the FEED WAGON from the operator's seat only.

Do not exceed load capacity of the FEED WAGON. (See loading instructions).

Reduce speed when turning or traveling on rough terrain.

Avoid traveling over or near loose fill, rocks, ditches or holes.

Keep transmissions in gear when traveling downhill.



 **KEEP RIDERS OFF FEED WAGON**

Keep riders off.

Riders are subject to injury such as being struck by foreign objects, falling into the FEED WAGON and by being thrown off. Riders also obstruct the operator's view, resulting in the machine being operated in an unsafe manner.



 **STAY CLEAR OF ROTATING DRIVELINES**

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.



 **AVOID HIGH-PRESSURE FLUIDS**

Escaping fluid under pressure can penetrate the skin causing serious injury or death.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.



PREPARING TRACTOR FOR TRAILER FEED WAGON

IMPORTANT: Drive components can be damaged from excessive speed. Do not operate tractor at speeds in excess of recommended PTO rpm.

This FEED WAGON may be equipped with either a 1000 RPM or a 540 RPM driveline.

Match tractor PTO with the FEED WAGON driveline.

IMPORTANT: To prevent driveline damage, adjust tractor drawbar to recommended setting. Disengage power to tractor PTO before turning tractor.

Remove clevis if equipped. Turn offset drawbar down.
Adjust drawbar length.

ADJUST TRAILER HITCH CLEVIS

FEED WAGON should be approximately level when attached to tractor.



SAFETY DECAL CARE

Keep safety decals and signs clean and legible at all times.

Replace safety decals and signs that are missing or have become illegible.

Replaced parts that displayed a safety sign should also display the current sign.

Safety decals or signs are available from your dealer or Kirby Manufacturing.

REPLACEMENT SAFETY DECALS

Immediately replace all and any worn or damaged Safety Decals. When ordering replacement decals please provide the unit's serial and model number.

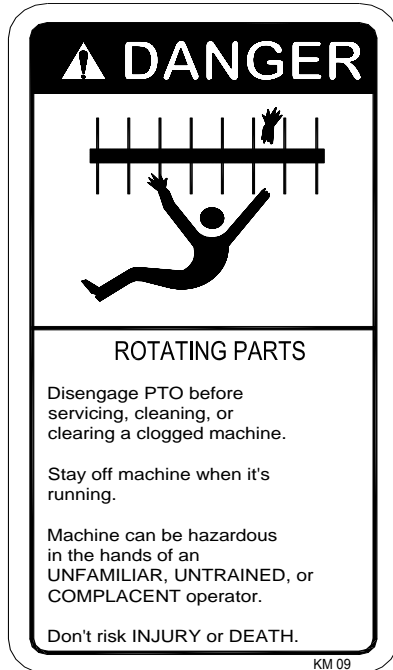


Figure A
DANGER, Rotating Parts
Part No. KM-09



Figure B
WARNING, Run-Away Hazard
Part No. W-300

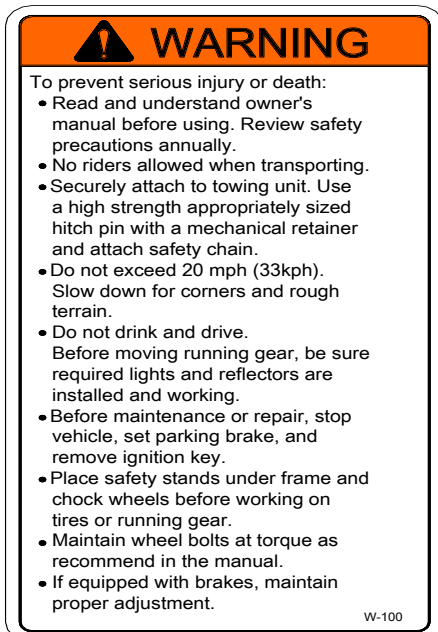


Figure C
WARNING, To prevent Serious Injury
Part No. W-100



Figure D
WARNING, Crushing Hazard
Part No. W-200

! REPLACEMENT SAFETY DECALS; (cont.)



Figure E
DANGER; use only authorized
Part No. KM-02



Figure F
WARNING; service and adjust
Part No. W-100



Figure G
Danger; beware of moving parts
Part No. KM-01



Figure H
IMPORTANT; keep area between
Part No. KM-43

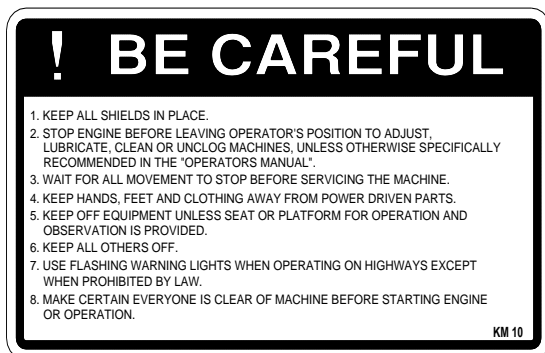


Figure I
BE CAREFUL; keep all shields in place
Part No. KM-10

 **REPLACEMENT SAFETY DECALS; (cont.)**



Figure J
DANGER; drive shaft
Part No. KM-07

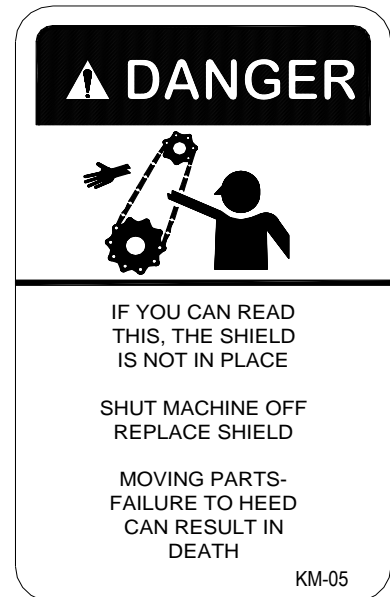



Figure K
DANGER; if you can read this
Part No. KM-05

 **Your best assurance against accidents is a careful and responsible operator. If there is any portion of this manual or function you do not understand, contact your dealer or Kirby Manufacturing.**

 **BEFORE OPERATION**

Carefully study and understand this manual. Note: it is the responsibility of the owner to train all current, new and future operators of the equipment. If assistance is needed, please contact Kirby Manufacturing.

Do not wear loose-fitting clothing which may catch in moving parts.

Always wear protective clothing and substantial shoes.

Keep wheel lug nuts or bolts tightened to specified torque.

Assure that agricultural implement tires are inflated to the proper pressure.

Prior to operating the equipment, give the equipment a visual inspection for any loose bolts, worn parts or cracked welds, and make necessary repairs. Follow the maintenance safety instructions included in this manual.

Be sure that there are no tools lying on or in the FEED WAGON.

Do not use the unit until you are sure that the area is clear, especially of children and animals. **Always** check inside of FEED WAGON prior to starting it up.

Because it is possible that this FEED WAGON may be used in dry areas or the presence of combustibles, special precautions should be taken to prevent fires and firefighting equipment should be readily available.

Don't hurry the learning process or take the unit for granted. Ease into it and become familiar with your new FEED WAGON.

Practice operation of your FEED WAGON and its attachments. Completely familiarize yourself and other operators with its operation before using.

Securely attach to towing unit. Use a high strength, appropriately sized hitch pin with a mechanical retainer.

Do not allow anyone to stand between the tongue or hitch and the towing vehicle when backing up to the FEED WAGON.



DURING OPERATION

Beware of bystanders, **particularly children!** Always look around to make sure that it is safe to start the engine of the towing vehicle or move the unit. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting. **NO PASSENGERS ALLOWED** - Do not carry passengers anywhere on, or in, the tractor or equipment, except as required for operation.

Keep hands and clothing clear of moving parts.

Do not clean, lubricate or adjust your FEED WAGON while it is running.

Be especially observant of the operating area and terrain - watch for holes, rocks or other hidden hazards. Always inspect the area prior to operation.

Do not operate on steep slopes as overturn may result.

Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops.

Pick the most even possible route when transporting across fields. Avoid the edges of ditches or gullies and steep hillsides.

Be extra careful when working on inclines.

Periodically clear the equipment of hay, feed, twine or other materials to prevent buildup of dry combustible materials.

Maneuver the tractor or towing vehicle at safe speeds.

Avoid overhead wires or other obstacles. Contact with overhead lines could cause serious injury or death.

Avoid loose fill, rocks and holes; they can be dangerous for equipment operation or movement. Allow for unit length when making turns.

Do not walk or work under raised components or attachments unless securely positioned and blocked.

Keep all bystanders, pets and livestock clear of the work area.

Operate the towing vehicle from the operator's seat only.

Never stand alongside of the unit with engine running. Never attempt to start engine and/or operate machine while standing alongside of unit.

 **DURING OPERATION; (CONT.)**

Never leave a running FEED WAGON unattended.

As a precaution, always check the hardware on FEED WAGON prior to operating the equipment. Correct all problems. Follow the maintenance safety procedures.

 **FOLLOWING OPERATION**

Following operation, or when unhitching, stop the tractor or towing vehicle, set the brakes, disengage the PTO and all power drives, shut off the engine and remove the ignition keys.

Store the unit in an area away from human activity.

To prevent damage to the equipment and injury to livestock, do not park equipment where it will be exposed to livestock for long periods of time.

Do not permit children to play on or around the stored unit.

Make sure parked machine is on a hard, level surface and engage all safety devices.

Wheel chocks should be used to prevent unit from rolling.

 **HIGHWAY AND TRANSPORT OPERATIONS**

Adopt safe driving practices:

Keep the brake pedals latched together at all times. Never use independent braking with machine in tow as loss of control and/or upset of unit can result.

Always drive at a safe speed relative to local conditions and ensure that your speed is low enough for an emergency stop to be safe and secure. Keep speed to a minimum.

Reduce speed prior to turns to avoid the risk of overturning.

Avoid sudden uphill turns on steep slopes.

Always keep the tractor or towing vehicle in gear to provide engine braking when going downhill. Do not coast.



HIGHWAY AND TRANSPORT OPERATIONS (CONT.):

Comply with state and local laws governing highway safety and movement of farm machinery on public roads.

Use approved accessory lighting, flags and necessary warning devices to protect operators of other vehicles on the highway during daylight and night-time transport.

The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.

When driving the tractor and FEED WAGON on the road or highway under 20 MPH (40 KPH) at night or during the day, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem.

Plan your route to avoid heavy traffic.

Be a safe courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.

Be observant of bridge loading ratings. Do not cross bridges rated lower than the gross weight at which you are operating.

Watch for obstructions overhead and to the side while transporting.

Always operate FEED WAGON in a position to provide maximum visibility at all times.

Make allowances for increased length and weight of the FEED WAGON when making turns, stopping the unit, etc.



PERFORMING MAINTENANCE

Good maintenance is your responsibility. Poor maintenance is an invitation to trouble.

Make sure there is plenty of ventilation. Never operate the engine of the towing vehicle in a closed building. The exhaust fumes may cause asphyxiation.

Before working on the FEED WAGON, stop the towing vehicle, set the brakes, and disengage the PTO and all power drives, shut off the engine and remove the ignition keys.

Be certain all moving parts on attachments have come to a complete stop before attempting to perform maintenance.



PERFORMING MAINTENANCE (CONT.):

Always use a safety support and block the wheels. Never use a jack to support the machine.

Always use the proper tools or equipment for the job at hand.

Use extreme caution when making adjustments.

Never use your hands to locate hydraulic leaks on attachments. Use a small piece of cardboard or wood. Hydraulic fluid escaping under pressure can penetrate the skin.

When disconnecting hydraulic lines, shut off hydraulic supply and relieve all hydraulic pressure.

Openings in the skin and minor cuts are susceptible to infection from hydraulic fluid. If injured by escaping hydraulic fluid, see a doctor at once. Gangrene can result. Without immediate treatment, serious infection and reactions can occur.

Replace all shields and guards after servicing and before moving.

After servicing, be sure all tools, parts and service equipment are removed.

Do not allow grease or oil to build up on any step or platform.

Never replace hex bolts with less than grade five (5) bolts unless otherwise specified.

Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications.

Kirby manufacturing will not claim responsibility for use of *unapproved parts* and/or accessories and other damages as a result of their use. This will void your warranty.

If equipment has been altered in any way from original design, Kirby manufacturing does not accept any liability for injury or warranty.

A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this FEED WAGON.

2.0 FEED WAGON STRUCTURE, TRAILER AND SUBFRAME

2.1 Inspect and observe for cracks in metal and welds in feeder structure, bed and beater box, trailer frame, axle assembly and cross feed. Re-weld as necessary.

2.2 Observe trailer hitch for:

- Cracked welds. Re-weld as necessary.
- Bent or worn. Replace or repair as necessary.

2.3 On truck mount unit observe for integrity on welds and bolting to truck frame and other structural bracing.

2.4 Trailer mounts only: Observe trailer tires

- For cuts and punctures in tires.
- Check for proper inflation using pressure gauges. Pressure should be set to manufacturer's suggested settings.

2.5 Observe wheel hubs and bearings:

- Grease bearings as needed.
- Check wheel hubs for proper bearing tightness. Tighten as required.
- Observe oil level in cap. Oil must be level with the bottom filler hole. Fill with proper lubricant to overflow.

2.6 Observe that all bolts and set screws in driveline are not missing and that all are properly seated. Replace or tighten.

3.0 BEATERS, SHAFTS AND BEARINGS
CAUTION! FEED WAGON SHALL NOT BE IN
OPERATION FOR THESE CHECKS.

3.1 Observe all beater shaft bearings.

- Check for cracks in bearing housings. Replace if cracked.
- Check carriage bolts holding hosing to beater posts. They must be tight.
- Check set screws, either for looseness or missing.
- Check for wear in housing or excessive bearing movement in housing. Replace if housing is worn.

3.2 Observe beaters, beater shafts and floor shafts.

- Beater integrity: check welds to shafts on both ends.
- Check that all pegs are welded in place.
- Replace all missing, sheared or stretched bolts.
- Check that beater rotations are balanced and true.

3.3 Observe cutting and beater chamber, sides, ends and roof. Walls ends and roof should be straight, not bulging in appearance.

CAUTION! FEED WAGON IS IN OPERATION
FOR THESE CHECKS.

3.4 Observe beaters. When running, check for bent shafts by observing for straightness during rotation.

3.5 Observe tractor driveline and FEED WAGON driveline for vibration or bent shaft.

3.6 Observe pillow block bearings and shaft bearings for:

- Excessive movement in housing.
- Noise indicting flat spot on bearing rollers from overloading bearings.

3.7 Observe yoke and cross integrity and double chain linkage.

4.0 MAIN DRIVE, SPROCKETS AND CHAINS.

4.1 Observe chain for proper seating on sprocket – use caution while FEED WAGON is operational. Observe for jerking as chain wraps around sprocket. Loud noise or hard jerking indicates:

- Misalignment of chain and sprocket. Realign.
- Worn or loose chain. Replace worn chain.
- Loose chain idlers. Reposition and tighten idler.
- Bent shafts in sprockets. Replace with new shafts.
- Beater is possibly bent. Replace beaters.

4.2 Observe sprocket tooth wear pattern

- Tooth worn on sides indicates misalignment. Realign sprocket.
- Tooth worn to sharp point indicates loose or worn chain.
- Tooth worn to cup at base indicates excessive load on chain.

4.3 Observe sprockets for the following:

- Main key sheared or shearing. Replace key.
- Taper lock hub broken or cracked. Replace hub.
- Taper lock hub bolts loose, sheared or stretched. Tighten or replace.
- Main set screws loose or missing. Tighten or replace.
- Movement or signs of movement of sprockets on shafts.
- Alignment – using a straight bar, insure that both sprocket faces are in full contact with the edge.

4.4 Observe chain for the following:

- Loose or worn chain – check rollers, missing cotter keys in master and offset links, tighten and align idler.
- Floor drag chain should be tight. You can test the chain by pulling the chain in the top center of the floor. The chain should pull up no more than 6-8 inches.

5.0 DRIVELINES AND POWER TAKEOFFS.

5.1 Tractor PTO driveline

- Shields must be secured by locking devices (sleeves).
- Shields must slide freely.
- Observe shields for damage.
- Driveline shafts must slide freely; binding may cause false readings on the scale system. Lubricate all shaft splines.
- U-joints cross & yoke must fit tight in the bearing cups and have grease zerker fittings for lubrication.

5.2 Truck mounted FEED WAGON PTO

- Observe for oil leaking around PTO shaft seal. Replace seal.
- Check PTO for loose bolts holding PTO to transmission or engine crank shaft. Tighten bolts.
- Check U-joints, bearings, yokes, and set bolts. Replace worn parts and tighten all bolts.
- Lubricate driveline U-joints as per the “Preventive Maintenance and Lubrication Schedule”

5.3 FEED WAGON drive line (Crossfeed drive shaft.)

- Check for loose or missing set screws or lock collars in pillow block bearings and driveline yokes. Tighten or replace lock collars and set screws.
- Check for loose or missing bolts in pillow block bearings. Tighten or replace.
- Observe driveline under operation. CAUTION STAY CLEAR OF ALL MOVING PARTS, DO NOT WEAR LOOSE CLOTHING!!
- Check for vibration, worn bearings, bad U-joint bearings, or bent shaft. Replace worn or damaged parts.
- Observe for linear movement through bearings, this is indicated by unpainted surface of shaft exposed on each side of bearing locking collar. Realign and tighten loose locking bolts.
- Observe for loose setscrews or PTO shaft not slipping in sleeve, causing end thrust load on the bearings.
- Check for bent shaft. Replace and grease as per lubrication schedule.

6.0 MAIN HYDRAULIC SYSTEM

- 6.1** Observe all fittings, pipes, tubes, and hoses for leakage. Tighten as needed.
- 6.2** Observe oil level in main tank. On truck mount or stationary units, the maximum capacity allowed is 95 liters (25 gallons). For “All Hydraulic Unit” the maximum capacity allowed is 340 liters (90 gallons).
- 6.3** On tractors, the maximum pump capacity required to operate the FEED WAGON is ~57 liters per minute (15 gpm) @ 2100 P.S.I. The minimum pump capacity required to operate the FEED WAGON is 45 liters per minute (12 gpm) @ 2100 P.S.I
- 6.4** Relief valve is factory set @ 2100 P.S.I. for maximum safety to the system.
- 6.5** Crossfeed and floor motor specification, maximum 57 liters per minute (15 gpm) @ 2100 P.S.I... Beater motor specification, maximum 57 liters per minute (15 gpm).
- 6.6** Crossfeed motor under normal operation requires a minimum of 45 liters per minute (12 gpm) to provide adequate unload speed. The speed is controlled through the tractor valves.
- 6.7** Stalling of the Crossfeed motor may be caused by the loss of oil pressure (P.S.I.) to the motor, due to incorrect adjustment of relief valve or worn pump/ motor.
- 6.8** Slow speed of Crossfeed or floor motor may be caused by the loss of oil flow from the pump source to the motor, due to worn pump or restricted flow in the tractor hydraulic system/hydraulic hoses.

For service see preventive maintenance and lubrication schedule in **Section 7 & 8**

7.0 MAINTENANCE AND LUBRICATION

Your KIRBY unit has been designed for quiet, trouble free operation with maximum service life with minimum maintenance. The use of a few maintenance steps will lengthen the trouble free life of your unit and minimize down time and repair expense.

After 12 loads have been completed, **all sprockets** should be checked for alignment and the set screws re-tightened. In addition all bearing lock collars should be checked and set screws should be thoroughly tightened. Check all bolts: re-tighten as required.

The **roller chain** is factory lubricated, but should be oiled regularly. **Chain idlers** should be adjusted as required to keep the chain in proper tension. If the unit is operated under extremely dirty conditions, in certain areas where the dust is abrasive, chain life may be greater if it is not lubricated at all. Adjustments for **draper chain** can be made at rear of unit. For proper tension you should be able to lift the chain approximately 6" from the floor at mid-span of chain inside the box.

The **U-joints** on the PTO drive shaft should be greased every 20 hours (50 loads) or as often as required under adverse conditions. All **bearings** are factory sealed and pre-lubricated, but should be greased lightly as needed, depending on how severe the operating conditions are. Excessive greasing may cause seal failure. So do not apply high pressure. If seal is broken, grease as necessary.

Wheel bearings should be repacked once a year. Always be sure that the bearings rotate and take in grease.

CAUTION: EXCESSIVE GREASE WILL BLOW OUT THE BEARING SEALS

8.0 MAINTENANCE AND LUBRICATION

(Unless stated differently in this manual use the below chart as a general lubrication schedule/guideline when performing preventative maintenance on your equipment)

PM SERVICE	1st 50 Hours	Every 140 Hours	Every 200 Hours	Every 500 Hours	Every 1000 Hours	Every 3 Months	Every 6 Months	Every 12 Months
Change hydraulic oil filters	X			X		X		
Grease all FEED WAGON bearings			X					
Grease PTO, Drive Line & Slip Sleeve			X					
Check out FEED WAGON			X					
Repack Wheel bearings								X

LUBRICANT TYPES:

<u>COMPONENTS</u>	<u>LUBRICANT NAME</u>	<u>LUBRICANT TYPE</u>	<u>LUBRICANT GRADE</u>
BEARINGS AND DRIVE LINE YOKES GREASE	PENNZOIL	AW	NLGI #2
HYDRAULIC SYSTEM OIL (TRUCK ONLY)	PENNZOIL	AW	68

COUPLING GREASE:

Texaco Coupling grease, CPS number 221912

Areas of application:

- between PTO spline connections

9.0 ELECTRONIC SCALES AND LOADCELLS

CAUTION: DO NOT WELD ON EQUIPMENT. Scales must be disconnected from power source and/or battery before welding to prevent damage to micro-processor and strain gauges.

CAUTION: DO NOT LIFT OR RAISE FEEDWAGON FROM LOAD CELL LOCATIONS. Damage to load cells will result, causing false scale readings. **DO NOT DRIVE OR TOW UNIT AT HIGH SPEED IN BUMPY ROADS!!! DO NOT LEAVE UNIT LOADED FOR LONG PERIODS OF TIME!!!**

Scale accuracy with load cells is 0.025 % (1/4th of 1%) of the load. Readout display is in **2 or 5** kg increments. **SEE SCALE MANUAL FOR PROPER OPERATION.**

Observe (4) bolts on each load cell stabilizer bracket. They should move freely. Battery or 12 volt power supply must have a minimum of 12 volt-15volt for satisfactory operation of scale. **SEE SCALE MANUAL FOR PROPER OPERATION.**

Battery terminals, connections must be clean and corrosion free and kept tightened. Loose connection to power or ground will interfere with scale.

Observe J-Box, load cell cables, and power cords for cuts, hanging loose or pulled too tight at the terminals and for loose connections. Correct these conditions.

CAUTION: DO NOT EXPOSE OPEN WIRES, J-BOX OR SCALE INSTRUMENTS TO DIRECT FORCE OF WATER. All entry points are water resistant, but must not be subjected to direct force of water.

Scale instruments are very dependable, but microprocessors are sensitive to electrical interference.

- (I) For stationary FEED WAGON operated from commercial power, be sure to confirm that the power source is stable.
- (II) Check to eliminate the power supply as the source of a scale problem. To do this connect the scale directly to a separate charged 12 volt vehicle battery. If the scale problem goes away, the power source is the problem.
- (III) This method may also be used to trace or isolate many other glitches from unknown sources.

CAUTION: SCALE REPAIRS ARE BEST ACCOMPLISHED BY TRAINED AND QUALIFIED SCALE REPAIR PERSONNEL.

CAUTION: ELECTRICAL MOTORS, POWER SUPPLIES, AND CONTROL CABINETS MUST BE REPAIRED BY QUALIFIED SERVICE ELECTRICIANS.

10.0 EQUIPMENT OPERATIONS

A. LOADING OF YOUR FEEDWAGON

1. Make sure that the PTO is disconnected and brake is set on a truck (this is to ensure the safety of the individual who is loading).
2. Make sure that the wagon tongue is properly hooked to trailer hitch.
3. Load the unit with bucket loader slowly allowing the commodity to empty in the unit. Using a large loader and dumping large bucket load fast can damage your floor.
4. When you are done loading, make sure everyone and any foreign object is clear of danger. You are now ready to feed.

B. OPERATING YOUR FEEDWAGON

1. When running your unit for the first time or running a new load of feed, always start out at 1 or 2 on your flow control and move up to the right speed. The setting will vary from tractor to tractor, type of commodity and weather conditions. Most units run at about “3”. Truck mount units vary depending on the commodity inside.
2. Engage the PTO, ensure the floor is in neutral.
3. When you are in a position to feed, reverse the floor-drag-chain to relieve any pressure against the beaters on start up.
4. When the beaters and cross feed have reached optimum speed, start the hydraulics control on the floor. If the oil by-passes in the flow control you maybe feeding the feed into the beaters faster than the knives can cut it. If this is the case, slow the floor down with the flow control.
5. After you have run the first couple of loads, CHECK floor chains for tightness: the chains will stretch. Continue checking weekly. Refer to section 4.0

C. CROSS FEED BELT ADJUSTMENT – FOR IDLER ROLLER

Idler roller is opposite of discharge side. To keep your belt running true, follow the adjustment procedures below:

1. If your belt is rubbing or riding to the left side or front of the unit adjust left hand take up by screwing in the bearing, to cause the belt to ride back to the center of the cross feed.
2. If the belt is rubbing or riding to the right side or back of the unit, adjust right hand take-up by screwing in the bearing, to cause the belt to ride back to the center of the crossfeed.

11.0 SPARE PARTS

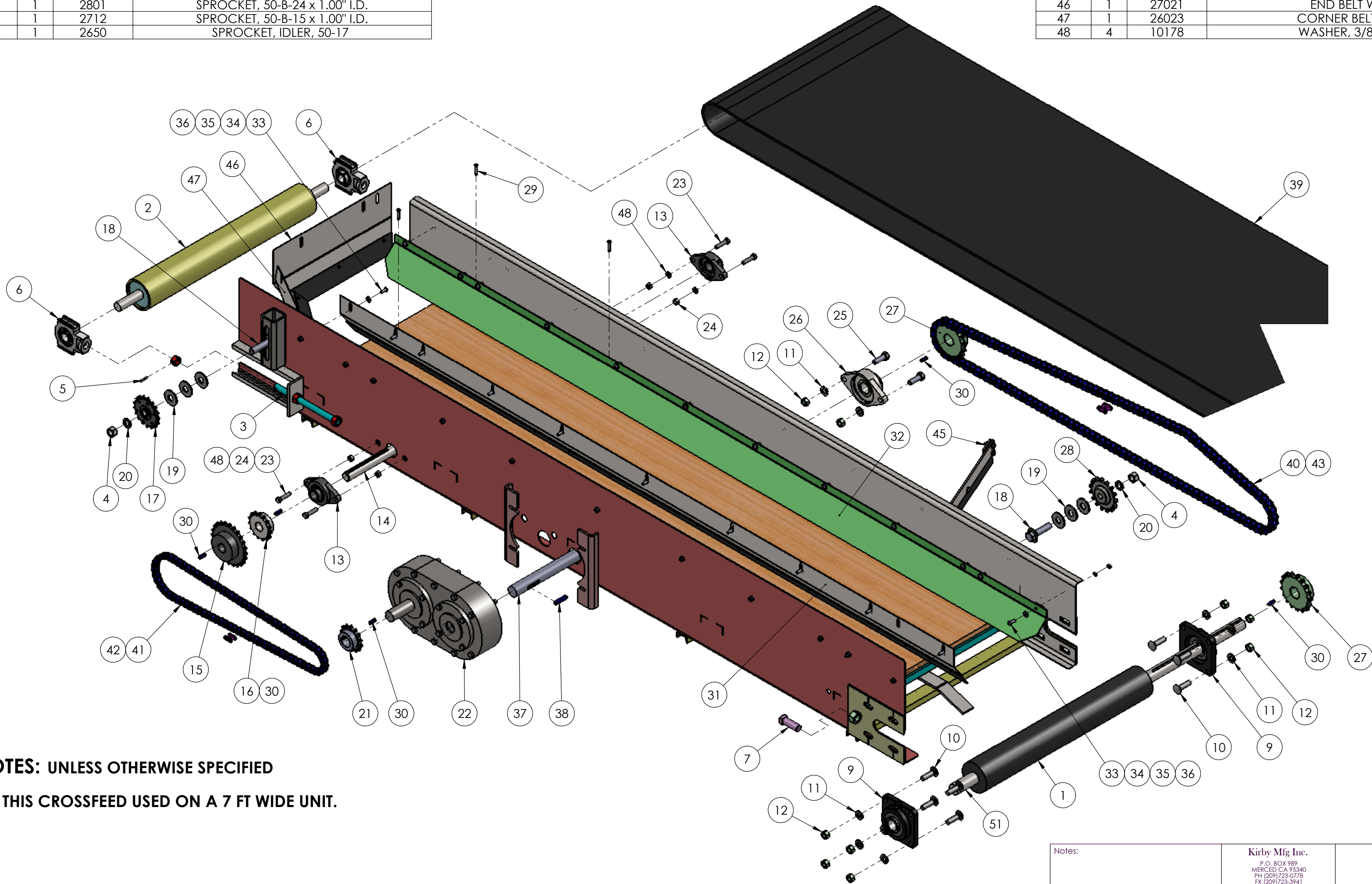
<u>DRAWING</u>	<u>DESCRIPTION</u>
FW-001	CROSSFEED, 24" / MECHANICAL / BELT
FW-002	CROSSFEED, 24" / HYDRAULIC / BELT
FW-003	CROSSFEED, 30" / HYDRAULIC / BELT
FW-004	CROSSFEED, 30" / MECHANICAL / BELT
FW-005	CROSSFEED, 30" / HYDRAULIC / CHAIN
FW-006	CHAIN, CROSSFEED 30" / C-77
FW-007	CHAIN, CROSSFEED 30" / D667KC
FW-008A	BEATER DRIVE, MECHANICAL
FW-008B	BEATER DRIVE, MECHANICAL - II
FW-008C	BEATER DRIVE, MECHANICAL - III
FW-009A	BEATER DRIVE, HYDRAULIC
FW-009B	BEATER DRIVE, HYDRAULIC COMPONENTS
FW-010	DRIVE, GRAIN AUGER
FW-011	FLOOR DRIVE, MECHANICAL
FW-012	FLOOR DRIVE, HYDRAULIC, 2 7/16" SHAFT
FW-013	FLOOR DRIVE, HYDRAULIC, 2" SHAFT
FW-014A	IDLER TAKE-UP, FLOOR CHAIN
FW-014B	IDLER TAKE-UP, FLOOR CHAIN COMPONENTS

FW-014C	GUARD, REAR FLOOR CHAIN
FW-015	CHAIN, FLOOR / ANGLE SLATS / 7' WIDE
FW-016	CHAIN, FLOOR / TUBE SLATS / 7' WIDE
FW-017	CHAIN, FLOOR / TUBE SLATS / 7' 6" WIDE
FW-018	CHAIN, FLOOR / 7' WIDE / WR-78
FW-019	LOAD CELLS & BRACKETS
FW-020	DRIVELINE, HEAVY DUTO PTO
FW-021A	TRAILER WITH TURNTABLE
FW-021B	RUNNING GEAR, REAR
FW-021C	RUNNING GEAR, FRONT WITH TURNTABLE
FW-021D	AXLE ASSEMBLY
FW-022	SCHEMATIC, ALL HYDRAULIC
FW-023	HYDRAULICS, TANK & PUMP
FW-024	HYDRAULICS, CROSSFEED & DOOR
FW-025	HYDRAULICS, GRAIN AUGER & FLOOR

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	4430	DRIVE ROLLER, RUBBER
2	1	27009	IDLER ROLLER
3	2	26019	TAKE-UP BOLT, ALLTHREAD, 5/8" NC x 9" LG
4	2	10550	NUT 5/8" NC
5	2	11355	ROLL PIN, SPRING, 3/16" x 1" LG.
6	2	2095	BEARING, TAKE-UP, Ø 1" BORE
7	2	10669	SET SCREW, SQ HEAD 3/4" NC x 2"
8	2	10650	NUT 3/4" NC
9	2	2073	BEARING, 4-HOLE FLANGE, 1-1/4" I.D.
10	8	10412	BOLT, CARRIAGE- 1/2" NC x 1 3/4" LG.
11	10	10398	WASHER, LOCK- 1/2"
12	10	10390	NUT 1/2" NC
13	2	2126	BEARING, 2-HOLE FLANGE, 1"
14	1	133007	JACKSHAFT
15	1	2801	SPROCKET, 50-B-24 x 1.00" I.D.
16	1	2712	SPROCKET, 50-B-15 x 1.00" I.D.
17	1	2650	SPROCKET, IDLER, 50-17

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
18	2	61016	BOLT, IDLER SPROCKET
19	6	10552	WASHER, FLAT- 5/8"
20	2	10553	WASHER- 5/8" LOCK
21	1	2704	SPROCKET, 50-B-14 x 1.25" I.D.
22	1	7290	GEARBOX, REVERSE 1:1
23	4	10191	BOLT, 3/8" NC GR5 x 1 1/2" LG.
24	4	10170	NUT- 3/8" NC
25	2	10411	BOLT- 1/2" NC GRD.5 x 1 1/2" LG.
26	1	2129	BEARING, 2-HOLE FLANGE, 1-1/4"
27	2	3083	SPROCKET, 60-B-17 x 1.25" BORE
28	1	3000	SPROCKET, IDLER 60-15
29	12	10025	SCREW, TORQUE SELF TAP, 1/4" NC x 1 1/4" LG.
30	5	3684	KEY, SQ.- 1/4" x 1" LG.

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
31	1	27013	FRONT WIPER
32	1	27014	BACK WIPER
33	23	10016	SCREW, RD HD, 1/4" NC x 3/4" LG.
34	23	10010	WASHER, FLAT- 1/4"
35	23	10009	WASHER, LOCK- 1/4"
36	23	10001	NUT- 1/4" NC
37	1	133257	SHAFT, Ø 1-1/4 x 34-1/2" LG.
38	1	7290Q	KEYSTOCK- 5/16" SQ x 1 3/4" LG
39	1	6507	BELTING, RUFF-TOP- RUBBER (24"W x 15'-8" LG)
40	1	6706	CHAIN, #60, (8.6 FT LG.)
41	1	6700	CHAIN, #50, (4.5 FT. LG.)
42	1	6701	CHAIN, # 50 CON/LINK
43	1	6706	CHAIN, # 60 CON / LINK
45	1	27023	BELT CLEANER WIPER
46	1	27021	END BELT WIPER
47	1	26023	CORNER BELT WIPER
48	4	10178	WASHER, 3/8" LOCK



NOTES: UNLESS OTHERWISE SPECIFIED

1 - THIS CROSSFEED USED ON A 7 FT WIDE UNIT.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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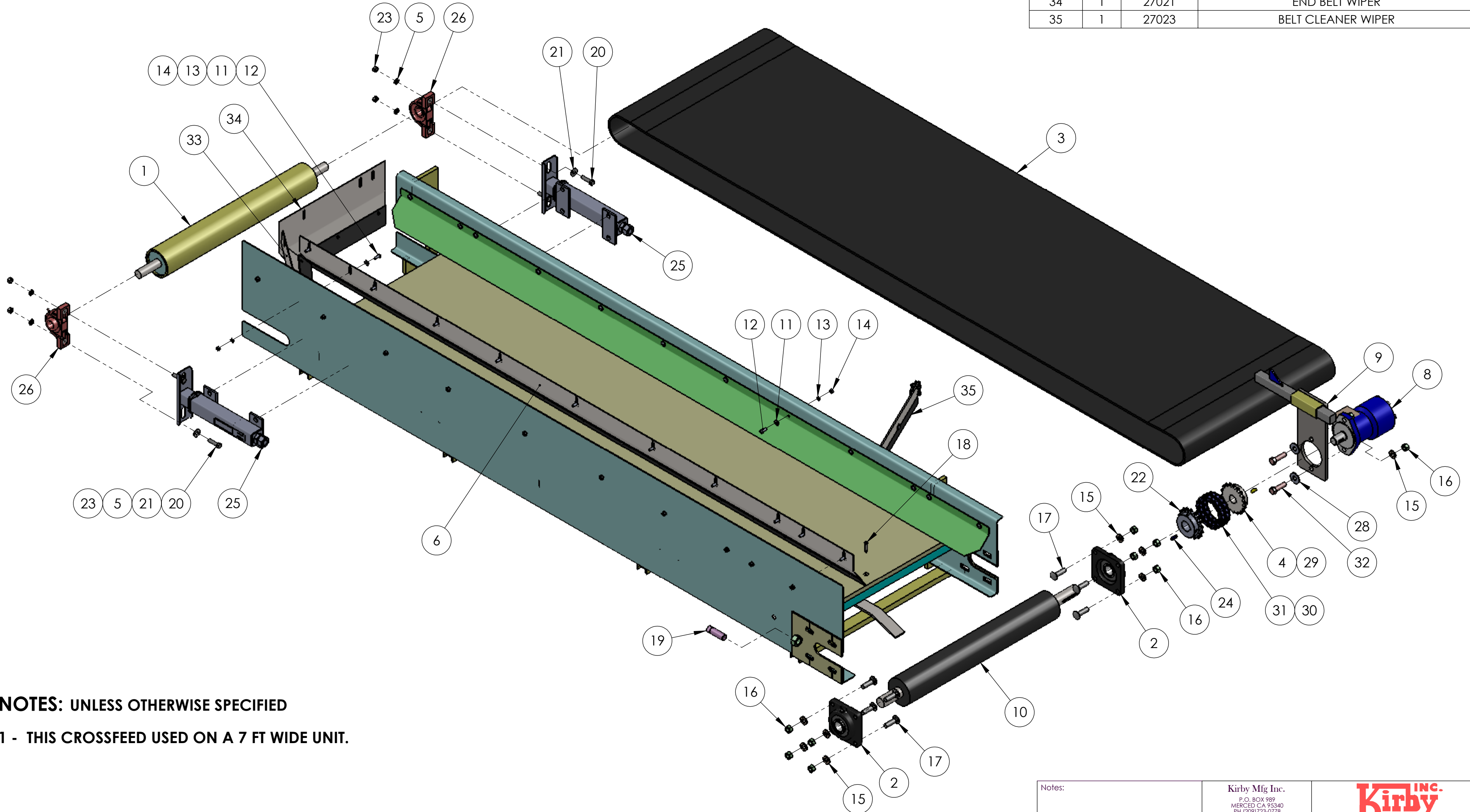
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: ±
ANGULAR: ±MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941		
		MATERIAL: SEE BOM		
		MATERIAL P/N:		DESCRIPTION CROSSFEED, 24" WIDE MECHANICAL BELT
DRAWN BY:	DATE	NAME	FINISH:	SIZE C
CHECKED BY:		MCCLURE		PART NUMBER FW-001
APPROVED BY:			VENDOR:	REV. -
		VENDOR P/N:		SCALE: 1:12
				WEIGHT: 591.884 lbs
				SHEET 1 OF 1

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	27009	IDLER ROLLER
2	2	2073	BEARING, 4-HOLE FLANGE, 1-1/4" I.D.
3	1	6507	BELTING, RUFF-TOP- RUBBER (24"W x 15'-8" LG)
4	1	2742	SPROCKET, 50-B-18 x 1.00" I.D.
5	4	10178	WASHER, 3/8" LOCK
6	1	27013	FRONT WIPER
7	1	27014	BACK WIPER
8	1	7965	MOTOR, HYDRAULIC
9	1	27091	MOTOR MOUNT
10	1	4430	DRIVE ROLLER, RUBBER

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
11	23	10010	WASHER, FLAT- 1/4"
12	23	10016	SCREW, RD HD, 1/4" NC x 3/4" LG.
13	23	10009	WASHER, LOCK- 1/4"
14	23	10001	NUT- 1/4" NC
15	10	10398	WASHER, LOCK- 1/2"
16	10	10390	NUT 1/2" NC
17	8	10412	BOLT, CARRIAGE- 1/2" NC x 1 3/4" LG.
18	12	10025	SCREW, TORQUE SELF TAP, 1/4" NC x 1 1/4" LG.
19	2	10669	SET SCREW,SQ HEAD 3/4" NC x 2"
20	4	10191	BOLT, 3/8" NC GR5 x 1 1/2" LG.

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
21	4	10179	WASHER, FLAT 3/8"
22	1	2744	SPROCKET, 50-B-18 x 1 1/4" I.D.
23	4	10170	NUT- 3/8" NC
24	1	3684	KEY, SQ.- 1/4" x 1" LG.
25	2	2501	TAKE-UP ASSEMBLY, 6"
26	2	2039	BEARING, PILLOW BLOCK, 1" I.D.
28	2	10399	WASHER- 1/2" FLAT
29	1	7879B	KEY, WOODRUFF- 1/4" x 1"
30	1	6704	CHAIN, #50-2 CON-LINK
31	1	6703	CHAIN, 50-2 DRIVE (.95 FT LG.)
32	2	10416	BOLT- 1/2" NC GRD.5 x 1 3/4" LG.
33	1	26023	CORNER BELT WIPER
34	1	27021	END BELT WIPER
35	1	27023	BELT CLEANER WIPER



NOTES: UNLESS OTHERWISE SPECIFIED
1 - THIS CROSSFEED USED ON A 7 FT WIDE UNIT.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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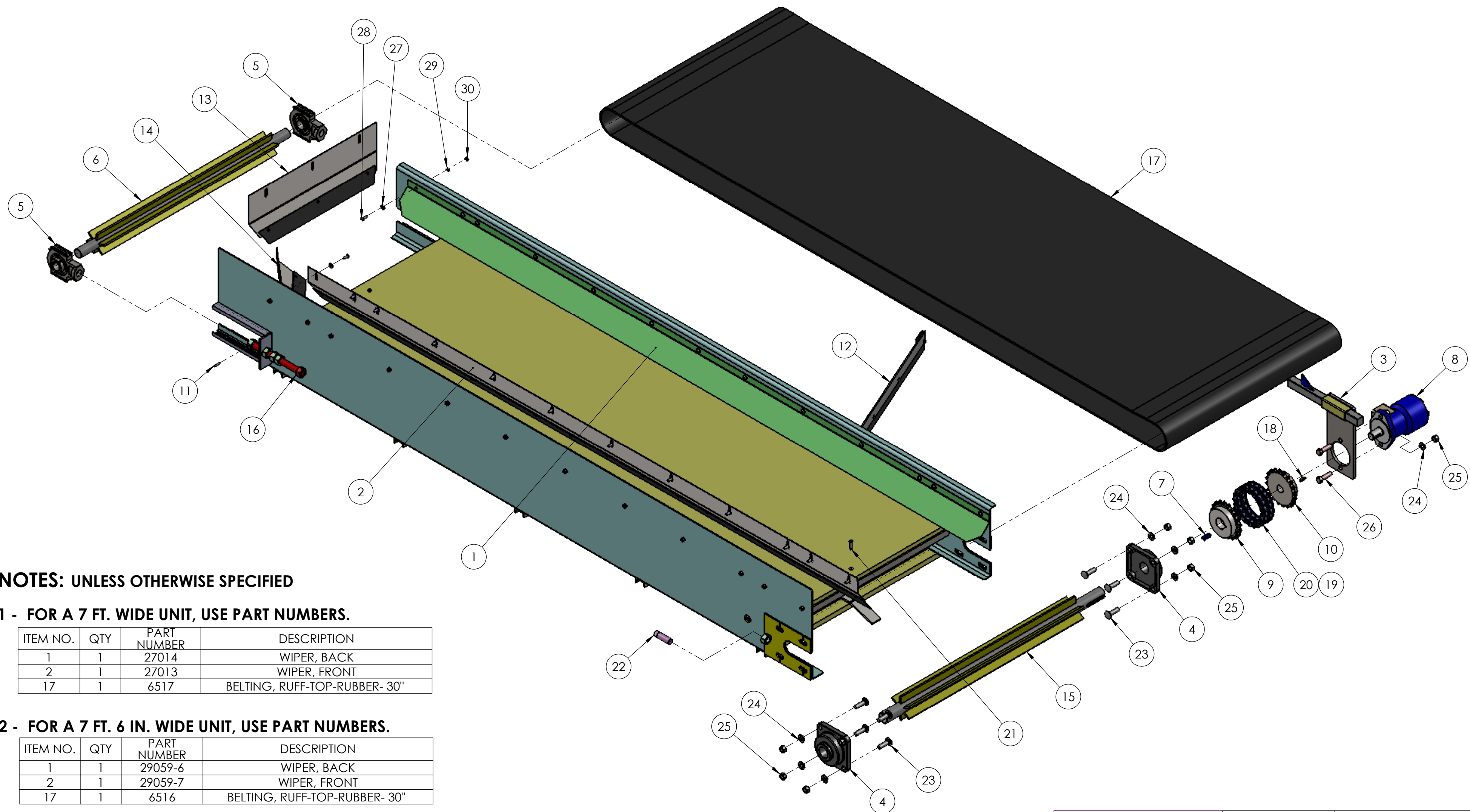
DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941		Kirby INC.	
JOB #:		MATERIAL: SEE BOM		DESCRIPTION: CROSSFEED, 24" WIDE HYDRAULIC BELT	
DRAWN BY: 9-12-14		NAME: JMCCLURE		FINISH:	
CHECKED BY:		VENDOR:		SCALE: 1:8	
APPROVED BY:		VENDOR P/N:		PART NUMBER: FW-002	
				WEIGHT: 594.233 lbs	
				SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	SEE NOTES	WIPER, BACK
2	1	SEE NOTES	WIPER, FRONT
3	1	27091	MOTOR MOUNT
4	2	2077	BEARING, 4-HOLE FLANGE, 1-1/2" BORE
5	2	2101	BEARING, TAKE-UP- 1/1/4"
6	1	62006	PADDLE IDLER ROLLER
7	1	3694	KEY, SQ. 3/8" x 1 1/4" LG.
8	1	7965	MOTOR, HYDRAULIC
9	1	3114	SPROCKET, 60-B-20 x 1.50" I.D.
10	1	3110-MFW	SPROCKET, MODIFIED, 60B20 - 1" ID

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
11	2	11355	ROLL PIN, SPRING, 3/16" x 1" LG.
12	1	62007	BELT CLEANER WIPER
13	1	27022	END BELT WIPER
14	1	26023	CORNER BELT WIPER
15	1	62005	PADDLE DRIVE ROLLER
16	2	61018	TAKE-UP BOLT, ALLTHREAD, 3/4" NC x 9" LG.
17	1	SEE NOTES	BELTING, RUFF-TOP-RUBBER- 30"
18	1	7879B	KEY, WOODRUFF- 1/4" x 1"
19	1	6710	CHAIN, 60-2 CON/LINK
20	1	6709	CHAIN, #60-2 DRIVE (1.26 FT LG.)

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
21	12	10025	SCREW, TORQUE SELF TAP, 1/4" NC x 1 1/4" LG.
22	2	10669	SET SCREW, SQ HEAD 3/4" NC x 2"
23	8	10412	BOLT, CARRIAGE- 1/2" NC x 1 3/4" LG.
24	10	10398	WASHER, LOCK- 1/2"
25	10	10390	NUT 1/2" NC
26	2	10416	BOLT- 1/2" NC GRD.5 x 1 3/4" LG.
27	25	10010	WASHER, FLAT- 1/4"
28	25	10016	SCREW, RD HD, 1/4" NC x 3/4" LG.
29	25	10009	WASHER, LOCK- 1/4"
30	25	10001	NUT- 1/4" NC
31	1	10179	WASHER, FLAT 3/8"



NOTES: UNLESS OTHERWISE SPECIFIED

1 - FOR A 7 FT. WIDE UNIT, USE PART NUMBERS.

ITEM NO.	QTY	PART NUMBER	DESCRIPTION
1	1	27014	WIPER, BACK
2	1	27013	WIPER, FRONT
17	1	6517	BELTING, RUFF-TOP-RUBBER- 30"

2 - FOR A 7 FT. 6 IN. WIDE UNIT, USE PART NUMBERS.

ITEM NO.	QTY	PART NUMBER	DESCRIPTION
1	1	29059-6	WIPER, BACK
2	1	29059-7	WIPER, FRONT
17	1	6516	BELTING, RUFF-TOP-RUBBER- 30"

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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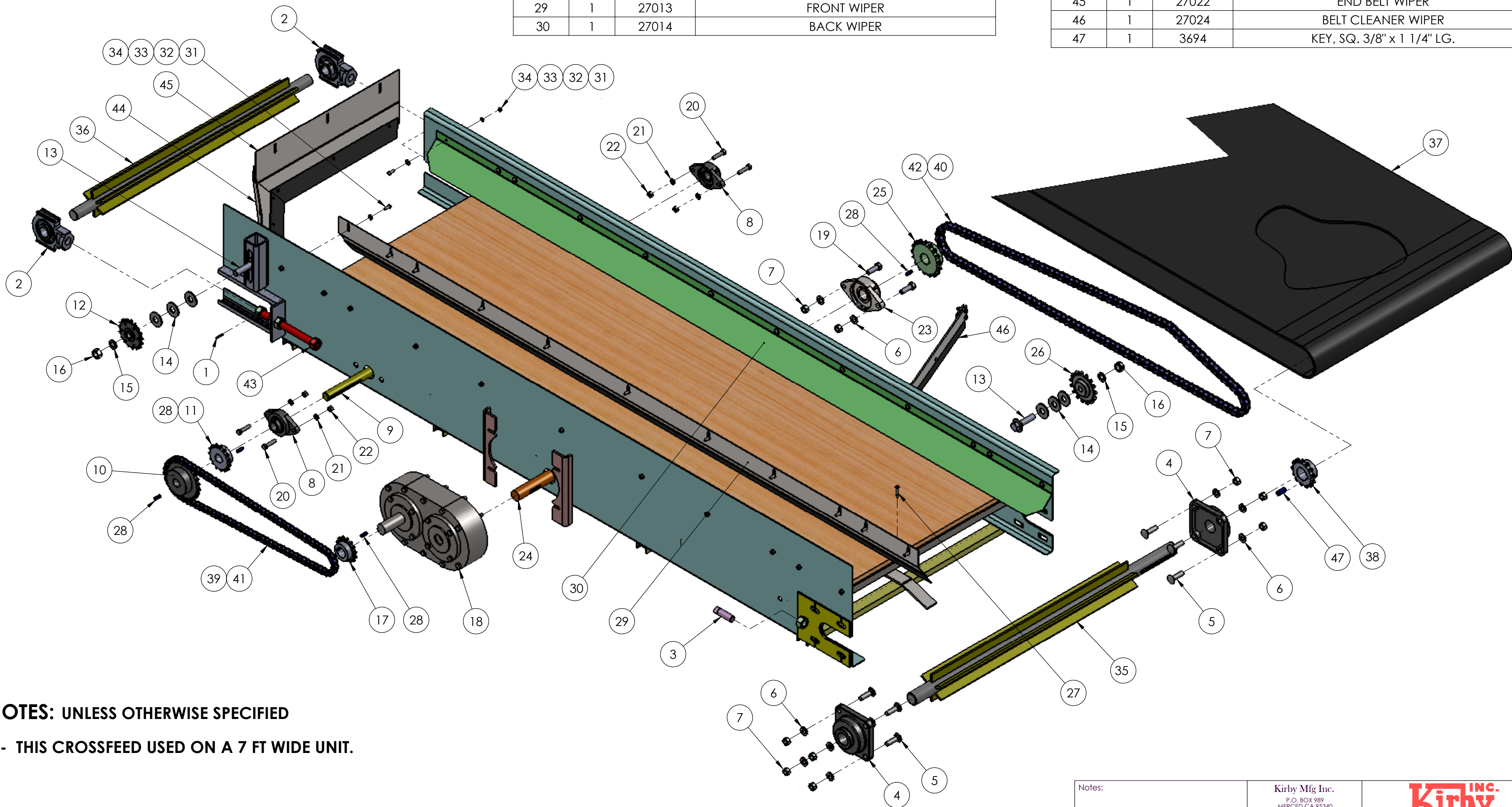
DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #:			
		MATERIAL: SEE BOM		DESCRIPTION CROSSFEED, 30" WIDE HYDRAULIC BELT	
		MATERIAL P/N:		SIZE PART NUMBER REV.	
DRAWN BY: 9-20-16		NAME: JMCCLURE		C FW-003 -	
CHECKED BY:		VENDOR:		SCALE: 1:8 WEIGHT: 750.438 lbs SHEET 1 OF 1	
APPROVED BY:		VENDOR P/N:			

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	11355	ROLL PIN, SPRING, 3/16" x 1" LG.
2	2	2101	BEARING, TAKE-UP- 1/1/4"
3	2	10669	SET SCREW, SQ HEAD 3/4" NC x 2"
4	2	2077	BEARING, 4-HOLE FLANGE, 1-1/2" BORE
5	8	10412	BOLT, CARRIAGE- 1/2" NC x 1 3/4" LG.
6	10	10398	WASHER, LOCK- 1/2"
7	10	10390	NUT 1/2" NC
8	2	2126	BEARING, 2-HOLE FLANGE, 1"
9	1	133241	SHAFT, JACK, Ø 1" x 39-1/2" LG.
10	1	2801	SPROCKET, 50-B-24 x 1.00" I.D.
11	1	2712	SPROCKET, 50-B-15 x 1.00" I.D.
12	1	2650	SPROCKET, 50-17 IDLER
13	2	61016	IDLER SPROCKET BOLT
14	6	10552	WASHER, FLAT- 5/8"

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
15	2	10553	WASHER- 5/8" LOCK
16	2	10550	NUT 5/8" NC
17	1	2704	SPROCKET, 50-B-14 x 1.25" I.D.
18	1	7290	GEARBOX, REVERSE 1:1
19	2	10411	BOLT- 1/2" NC GRD.5 x 1 1/2" LG.
20	4	10191	BOLT, 3/8" NC GR5 x 1 1/2" LG.
21	4	10178	WASHER, 3/8" LOCK
22	4	10170	NUT- 3/8" NC
23	1	2129	BEARING, 2-HOLE FLANGE, 1-1/4"
24	1	133256	SHAFT, Ø 1-1/4" x 40-1/2" LG.
25	1	3083	SPROCKET, 60-B-17 x 1.25" BORE
26	1	3000	SPROCKET, 60-15 IDLER
27	12	10025	SCREW, TORQUE SELF TAP, 1/4" NC x 1 1/4" LG.
28	4	3684	KEY, SQ.- 1/4" x 1" LG.
29	1	27013	FRONT WIPER
30	1	27014	BACK WIPER

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
31	23	10016	SCREW, RD HD, 1/4" NC x 3/4" LG.
32	23	10010	WASHER, FLAT- 1/4"
33	23	10009	WASHER, LOCK- 1/4"
34	23	10001	NUT- 1/4" NC
35	1	62005	PADDLE DRIVE ROLLER
36	1	62006	PADDLE IDLER ROLLER
37	1	6517	BELTING, RUFF-TOP- RUBBER (30"W)
38	1	3045	SPROCKET, 60-B-13 x 1.50" I.D.
39	1	6701	CHAIN, # 50 CON/LINK
40	1	6706	CHAIN, # 60 CON / LINK
41	1	6700	CHAIN, #50, (4.64 FT. LG.)
42	1	6706	CHAIN, #60, (8.2 FT LG.)
43	2	61018	TAKE-UP BOLT, 3/4" NC x 9" LG.
44	1	26023	CORNER BELT WIPER
45	1	27022	END BELT WIPER
46	1	27024	BELT CLEANER WIPER
47	1	3694	KEY, SQ. 3/8" x 1 1/4" LG.



NOTES: UNLESS OTHERWISE SPECIFIED

1 - THIS CROSSFEED USED ON A 7 FT WIDE UNIT.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

PROPRIETARY AND CONFIDENTIAL
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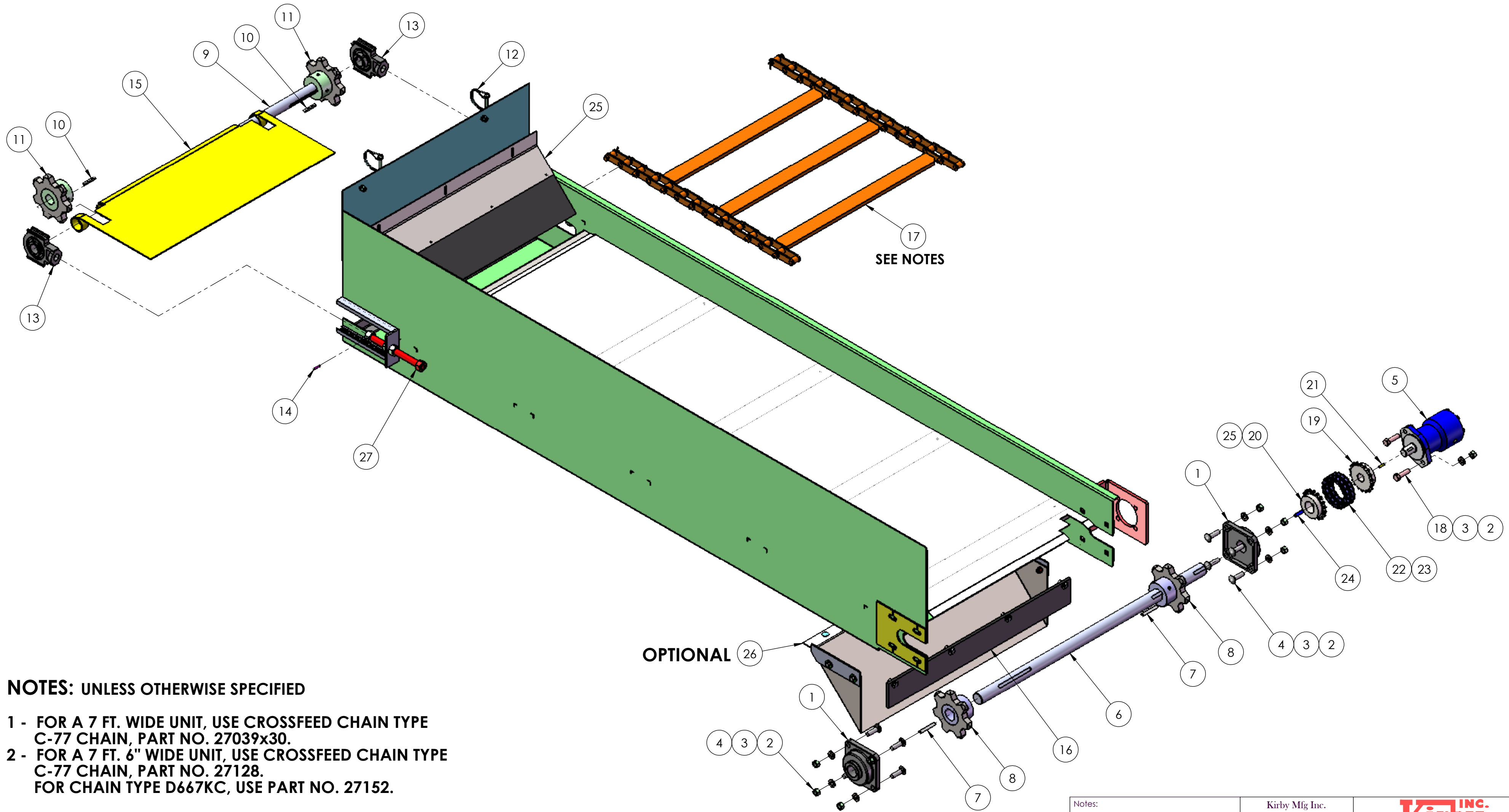
DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #:			
		MATERIAL: SEE BOM		SIZE PART NUMBER	
		MATERIAL P/N:		C FW-004	
DRAWN BY: 9-16-14		NAME: MCCLURE		REV.:	
CHECKED BY:		VENDOR:		SCALE: 1:8	
APPROVED BY:		VENDOR P/N:		WEIGHT: 691.958 lbs	
				SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	2077	BEARING, 4-HOLE FLANGE, 1-1/2" BORE
2	10	10390	NUT 1/2" NC
3	10	10398	WASHER, LOCK- 1/2"
4	8	10412	BOLT, CARRIAGE- 1/2" NC x 1 3/4" LG.
5	1	7965	MOTOR, HYDRAULIC
6	1	191006	DRIVE SHAFT
7	2	3693	KEY, SQ. 3/8" x 2 1/2" LG.
8	2	27048	SPROCKET, DRIVE
9	1	191033	IDLER SHAFT

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
10	2	3687	KEY, SQ. 1/4" x 2" LG.
11	2	27080	SPROCKET, IDLER
12	2	4125	GUARD PIN
13	2	2101	BEARING, TAKE-UP- 1/1/4"
14	2	11355	ROLL PIN, SPRING, 3/16" x 1" LG.
15	1	29345	TAKE-UP EXTENSION PLATE
16	1	26212	EXCESS WIPER
17	1	SEE NOTES	CHAIN, 30" CROSSFEED
18	2	10416	BOLT- 1/2" NC GRD.5 x 1 3/4" LG.

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
19	1	2742	SPROCKET, 50-B-18 x 1.00" I.D.
20	1	2746	SPROCKET, 50-B-18 x 1.50" ID
21	1	7879B	KEY, WOODRUFF- 1/4" x 1"
22	1	6703	CHAIN, 50-2 DRIVE (.95 FT LG.)
23	1	6704	CHAIN, #50-2 CON-LINK
24	1	3694	KEY, SQ. 3/8" x 1 1/4" LG.
25	1	26221	END WIPER
26	1	26207	SPOUT, BOLT-ON
27	2	61018	TAKE-UP BOLT, 3/4" NC x 9" LG.



NOTES: UNLESS OTHERWISE SPECIFIED

- 1 - FOR A 7 FT. WIDE UNIT, USE CROSSFEED CHAIN TYPE C-77 CHAIN, PART NO. 27039x30.
- 2 - FOR A 7 FT. 6" WIDE UNIT, USE CROSSFEED CHAIN TYPE C-77 CHAIN, PART NO. 27128.
FOR CHAIN TYPE D667KC, USE PART NO. 27152.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

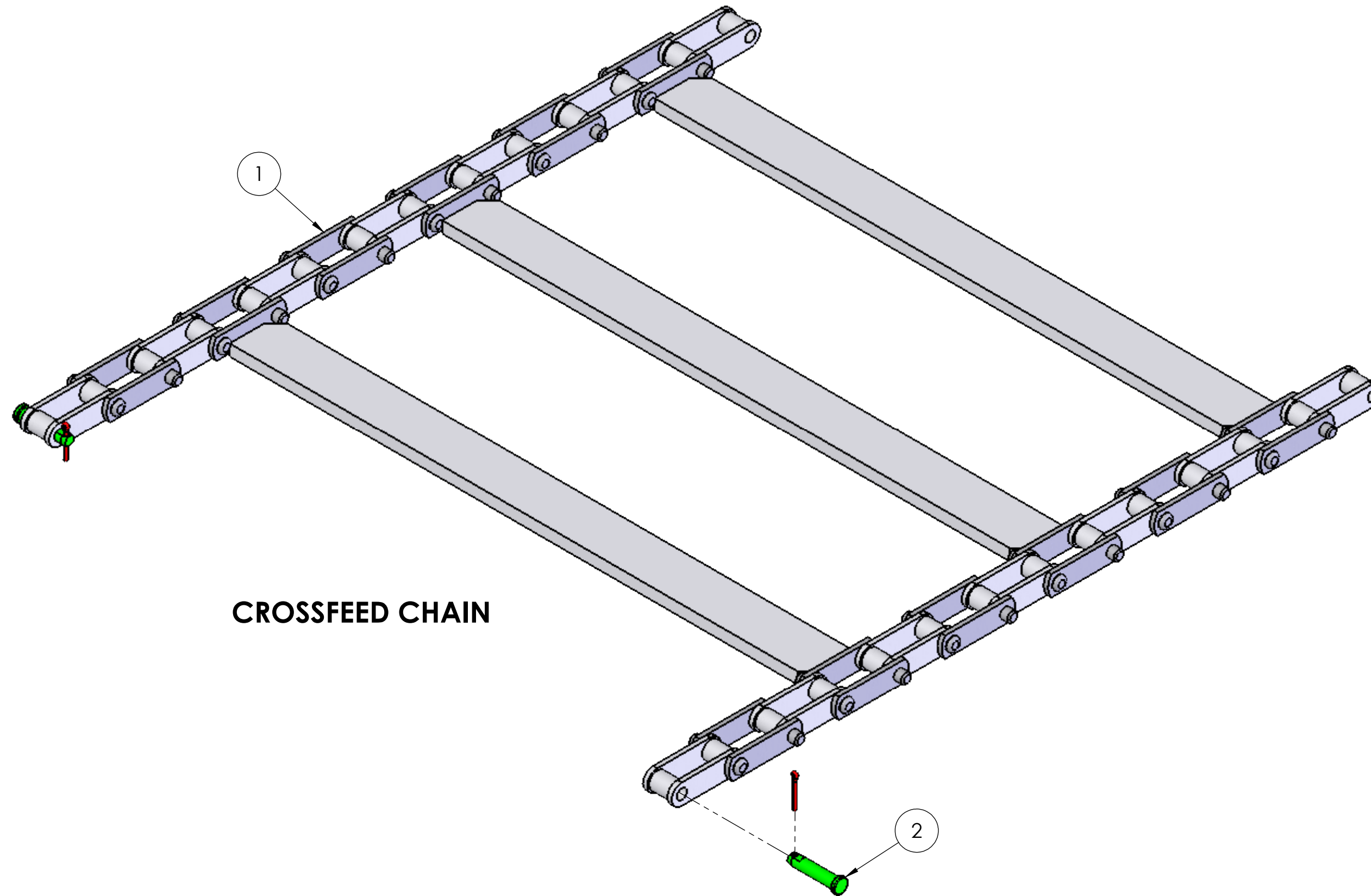
Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941				
		MATERIAL: SEE BOM				DESCRIPTION CROSSFEED, 30" WIDE HYDRAULIC CHAIN
DRAWN BY:	DATE	NAME		FINISH:	SIZE	
CHECKED BY:		MCCLURE		VENDOR:	PART NUMBER	
APPROVED BY:				VENDOR P/N:	REV.	
				SCALE: 1:8	WEIGHT: 514.481 lbs	SHEET 1 OF 1

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	27039x30	CROSSFEED CHAIN, C-77
2	2	6762	C-77 CHAIN - PIN & KEY

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	27128	CROSSFEED CHAIN, C-77
2	2	6762	C-77 CHAIN - PIN & KEY

USE ABOVE PART NO. FOR A 7 FT. WIDE UNIT

USE ABOVE PART NO. FOR A 7 FT. 6 IN. WIDE UNIT



CROSSFEED CHAIN

NOTES: UNLESS OTHERWISE SPECIFIED

1 - CROSSFEED CHAIN TYPE IS C-77 CHAIN.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

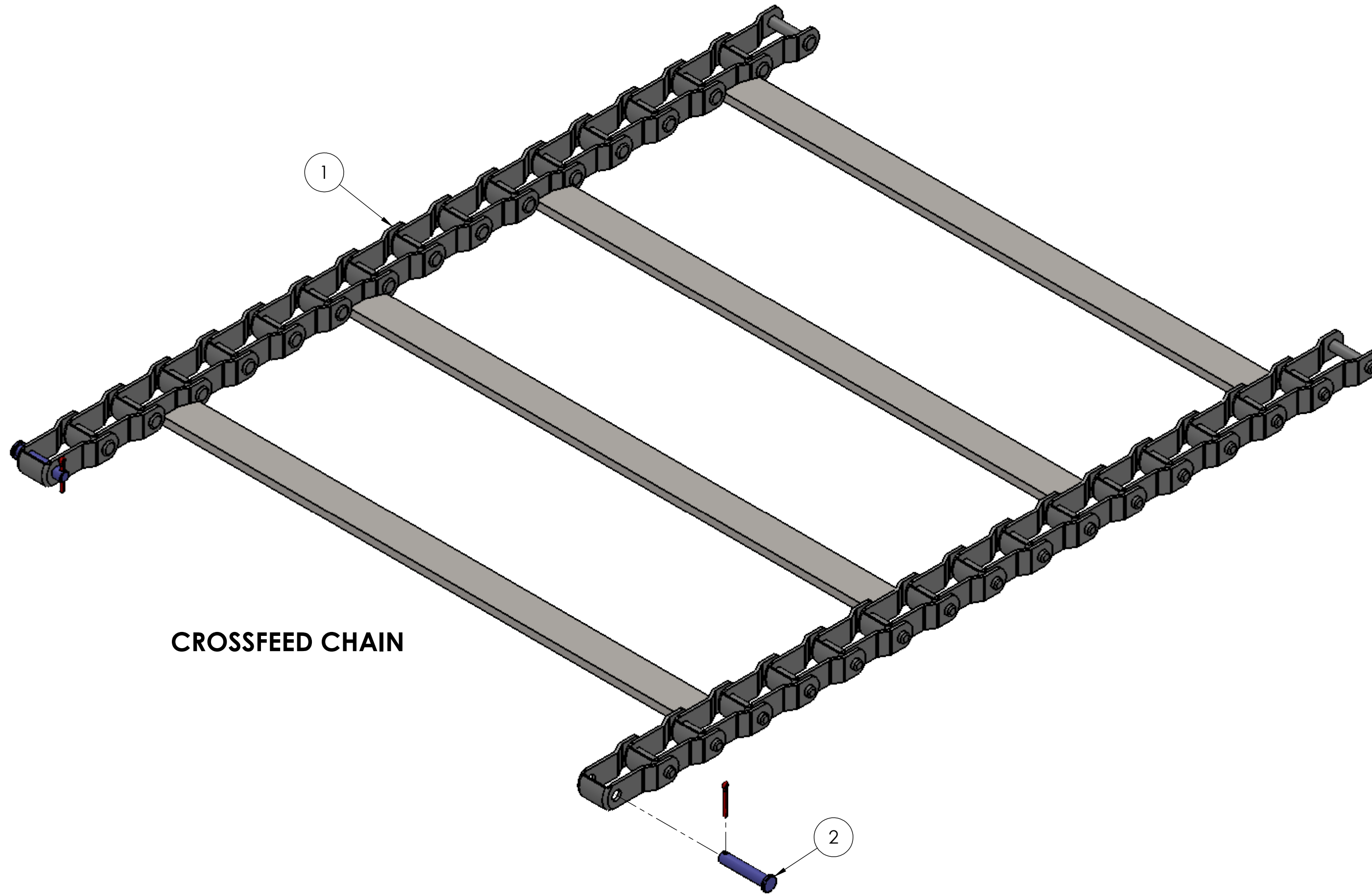
Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
JOB #:		MATERIAL P/N:		DESCRIPTION CHAIN, CROSSFEED, 30" WIDE	
DRIVEN BY:	DATE	NAME	FINISH:	SIZE	PART NUMBER
CHECKED BY:		MCCLURE		C	FW-006
APPROVED BY:			VENDOR:	SCALE: 5:14	WEIGHT: 31,933 lbs
			VENDOR P/N:	SHEET 1 OF 1	

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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	27152	CROSSFEED CHAIN, D667KC
2	2	6886	D667KC CHAIN - PIN & KEY

USE ABOVE PART NO. FOR A 7 FT. 6 IN. WIDE UNIT



CROSSFEED CHAIN


NOTES: UNLESS OTHERWISE SPECIFIED

1 - CROSSFEED CHAIN TYPE IS D667KC CHAIN.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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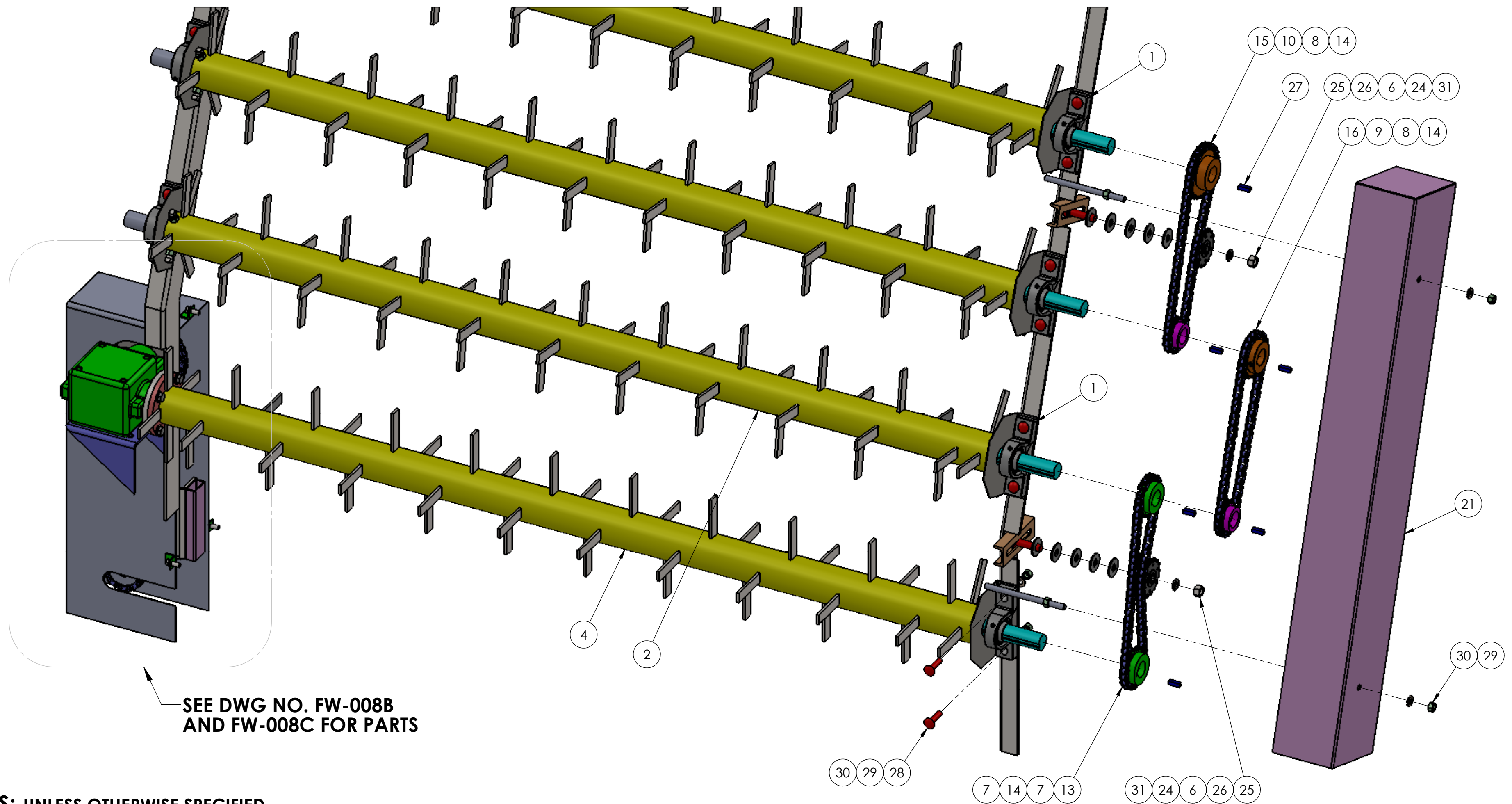
DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941		 DESCRIPTION CHAIN, CROSSFEED, 30" WIDE		
JOB #:		MATERIAL: SEE BOM				
DRAWN BY:	DATE	NAME	FINISH:	SIZE	PART NUMBER	REV.
CHECKED BY:		MCCLURE		C	FW-007	
APPROVED BY:			VENDOR:	SCALE: 5:14	WEIGHT: 26.521 lbs	SHEET 1 OF 1
			VENDOR P/N:			

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	7	2047	BEARING, PILLOW BLOCK 1-1/2" BORE
2	3	29066	BEATER ASSEMBLY, TOP
3	1	6967	GEARBOX
4	1	29003	BEATER ASSEMBLY, BOTTOM
5	1	26100	SPLINE FLANGE, BOTTOM BEATER
6	3	2650	SPROCKET, 50-17 IDLER
7	2	2746	SPROCKET, 50-B-18 x 1.50" ID
8	2	2715	SPROCKET, 50-B-15 x 1.50" I.D.
9	1	2766	SPROCKET, 50-B-20 x 1.50" I.D.
10	1	2804	SPROCKET, 50-B-24 x 1.50" I.D.
11	1	2887	SPROCKET, 50-B-34 x 1.25" I.D.
12	1	3686	KEY - 1/4" SQ. x 1 1/2" LG.

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
13	1	6700	CHAIN #50 BOT (3.71 FT LG.)
14	4	6701	CHAIN, # 50 CON/LINK
15	1	6700	CHAIN #50 TOP (3.53 FT LG.)
16	1	6700	CHAIN #50 MID (3.42 FT LG.)
17	1	2043	BEARING, P.B.- 1 1/4" BORE
18	1	2744	SPROCKET, 50-B-18 x 1 1/4" I.D.
19	1	3685	KEY- 1/4" SQ. x 1 1/4" LG.
20	1	6700	CHAIN #50 DRIVE (5.27 FT LG.)
21	1	27065	GUARD, BOTTOM BEATER DRIVE
22	1	27063	GUARD, BEATER DRIVES
23	1	10578	BOLT- 5/8" NC GR5 x 2 1/2" LG.
24	14	10552	WASHER, FLAT- 5/8"

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
25	3	10550	NUT 5/8" NC
26	3	10553	WASHER- 5/8" LOCK
27	6	3694	KEY, SQ. 3/8" x 1 1/4" LG.
28	16	10424	BOLT, CARRIAGE- 1/2" NC GRD.5 x 2" LG.
29	26	10398	WASHER, LOCK- 1/2"
30	18	10390	NUT 1/2" NC
31	2	61016	IDLER SPROCKET BOLT
32	4	10401	BOLT- 1/2" NC GRD.5 x 1" LG.
33	4	10406	BOLT- 1/2" NC GRD.5 x 1 1/4" LG.
34	6	10399	WASHER- 1/2" FLAT
35	3	10181	BOLT- 3/8"-16 NC GRD.5 x 1" LG.
36	3	10178	WASHER, 3/8" LOCK



NOTES: UNLESS OTHERWISE SPECIFIED

1 - THIS BEATER DRIVE ASSEMBLY USED ON A 7 FT WIDE UNIT.

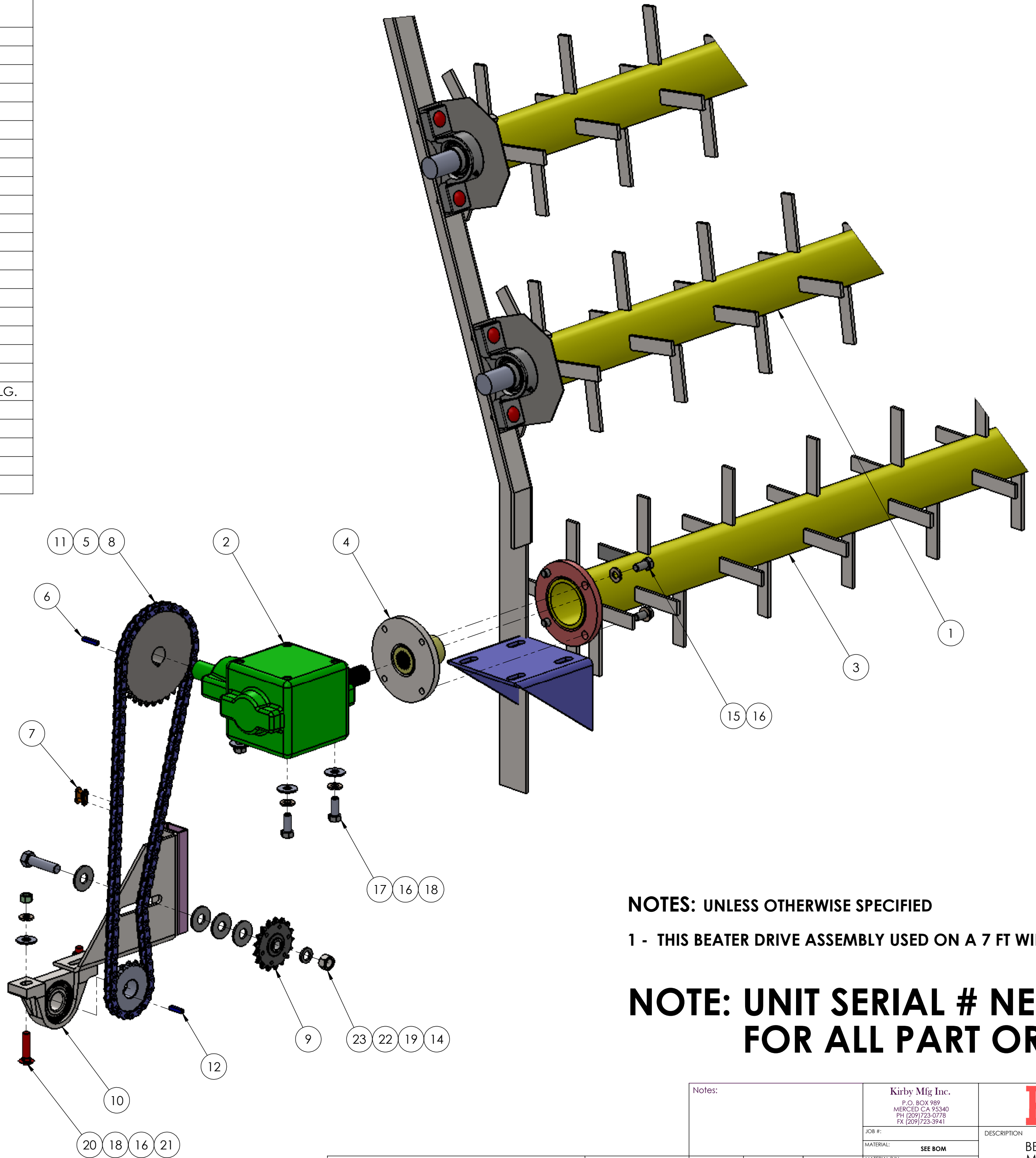
NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #: MATERIAL: SEE BOM MATERIAL P/N:			
DRAWN BY:	DATE	NAME		FINISH:	DESCRIPTION BEATER DRIVE, MECHANICAL
CHECKED BY:		MCCLURE		VENDOR:	
APPROVED BY:				VENDOR P/N:	
SCALE: 1:7				WEIGHT: 568.183 lbs	SHEET 1 OF 1

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	3	29066	BEATER ASSEMBLY, TOP
2	1	6967	GEARBOX
3	1	29003	BEATER ASSEMBLY, BOTTOM
4	1	26100	SPLINE FLANGE, BEATER DRIVE
5	1	2887	SPROCKET, 50-B-34 x 1.25" I.D.
6	1	3686	KEY - 1/4" SQ. x 1 1/2" LG.
7	1	6701	CHAIN, # 50 CON/LINK
8	1	6700	CHAIN #50 DRIVE (5.27 FT LG.)
9	1	2650	SPROCKET, 50-17 IDLER
10	1	2043	BEARING, P.B.- 1 1/4" BORE
11	1	2744	SPROCKET, 50-B-18 x 1 1/4" I.D.
12	1	3685	KEY- 1/4" SQ. x 1 1/4" LG.
13	1	27063	GUARD, BOTTOM BEATER DRIVE
14	1	10578	BOLT- 5/8" NC GR5 x 2 1/2" LG.
15	4	10401	BOLT- 1/2" NC GRD.5 x 1" LG.
16	10	10398	WASHER, LOCK- 1/2"
17	4	10406	BOLT- 1/2" NC GRD.5 x 1 1/4" LG.
18	6	10399	WASHER- 1/2" FLAT
19	4	10552	WASHER, FLAT- 5/8"
20	2	10424	BOLT, CARRIAGE- 1/2" NC GRD.5 x 2" LG.
21	2	10390	NUT 1/2" NC
22	1	10553	WASHER- 5/8" LOCK
23	1	10550	NUT 5/8" NC
24	3	10181	BOLT- 3/8"-16 NC GRD.5 x 1" LG.
25	3	10178	WASHER, 3/8" LOCK



NOTES: UNLESS OTHERWISE SPECIFIED

1 - THIS BEATER DRIVE ASSEMBLY USED ON A 7 FT WIDE UNIT.

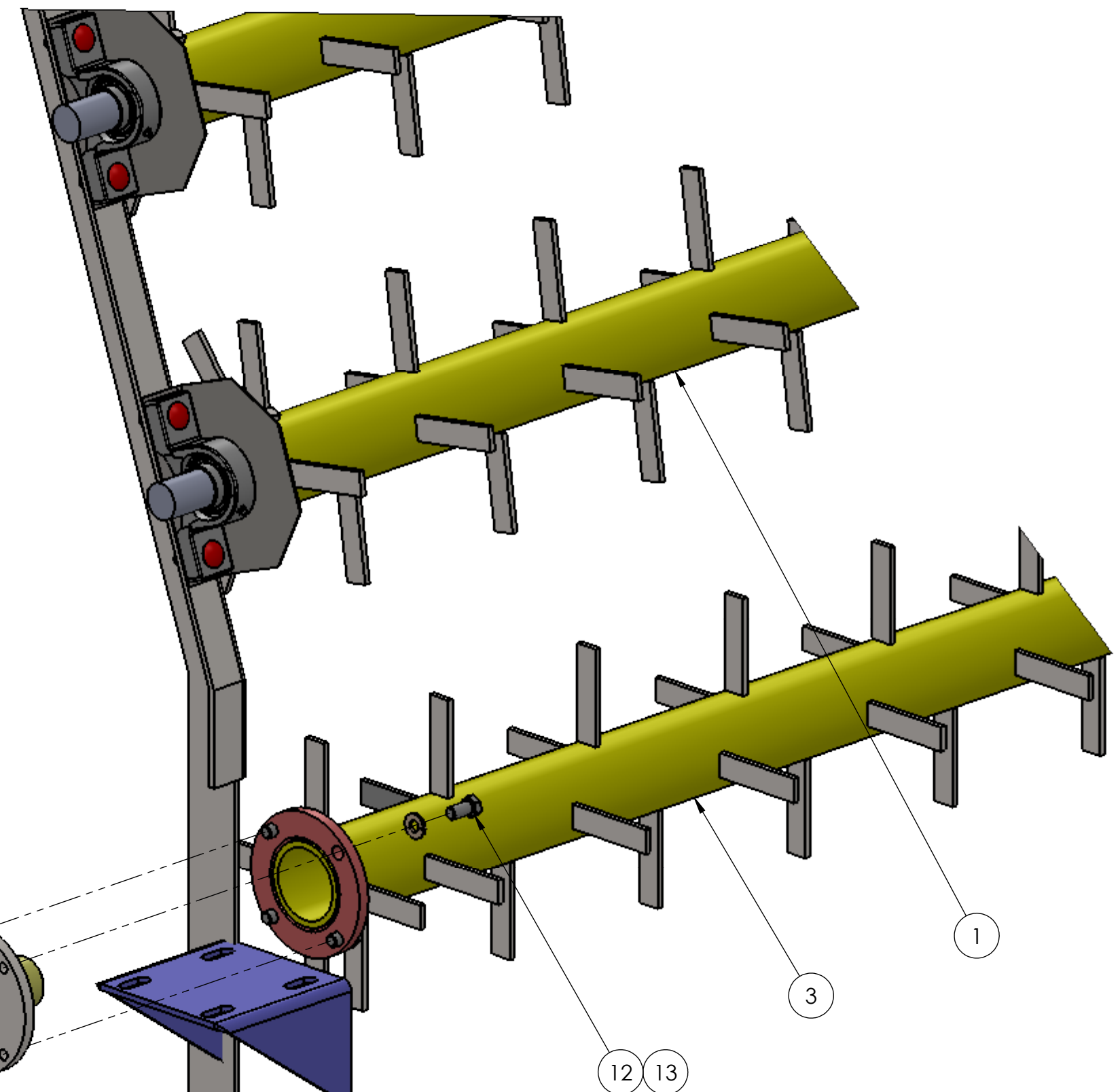
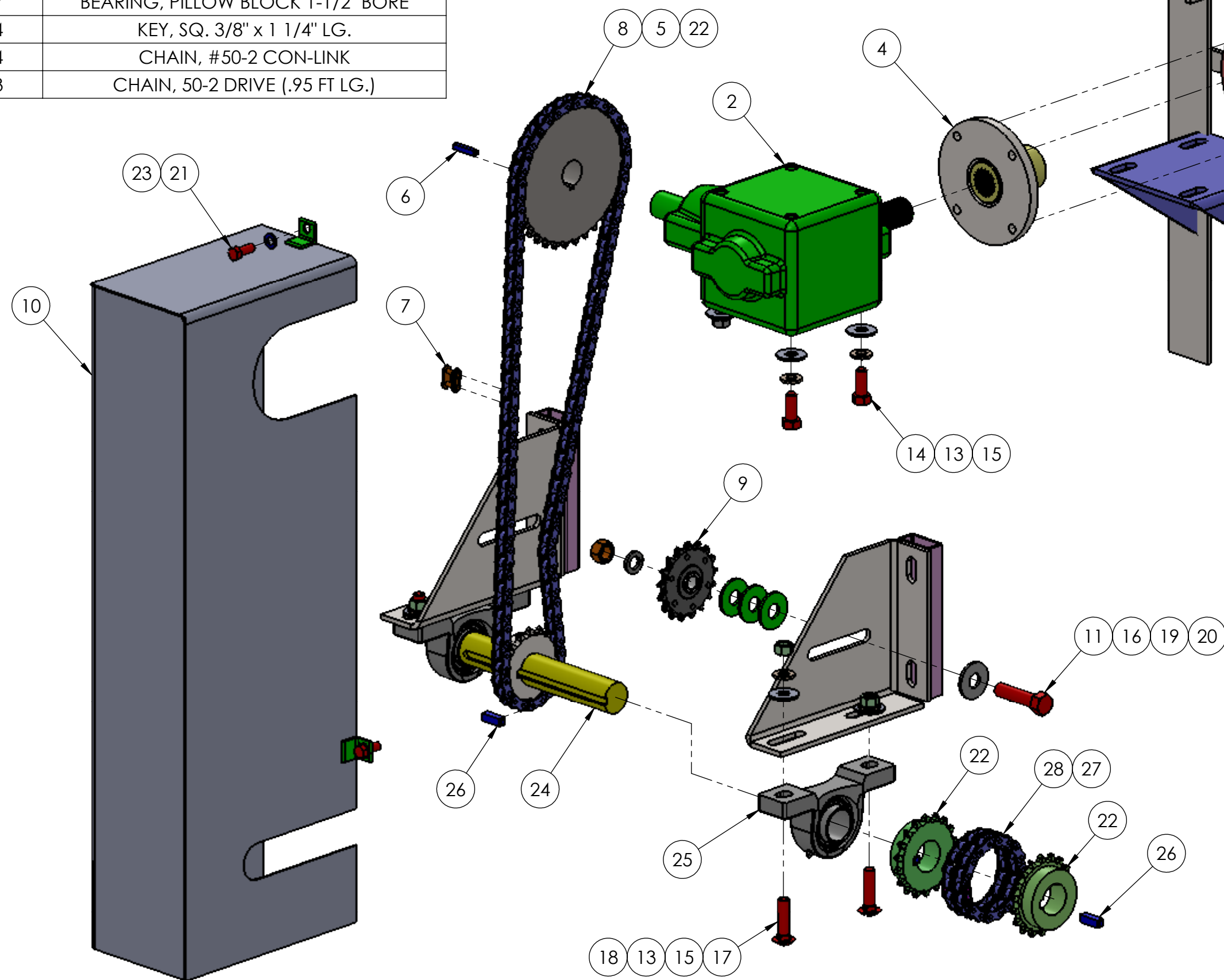
NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #:			
		MATERIAL:		SEE BOM	
		MATERIAL P/N:			
DRAWN BY: 10-18-16		NAME: MCCLURE		FINISH:	
CHECKED BY:		VENDOR:		SCALE: 1:5	
APPROVED BY:		VENDOR P/N:		WEIGHT: 568.183 lbs	
				PART NUMBER: FW-008B	
				REV: -	
				SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	3	29066	BEATER ASSEMBLY, TOP
2	1	6967	GEARBOX
3	1	29003	BEATER ASSEMBLY, BOTTOM
4	1	26100	SPLINE FLANGE, BEATER DRIVE
5	1	2887	SPROCKET, 50-B-34 x 1.25" I.D.
6	1	3686	KEY - 1/4" SQ. x 1 1/2" LG.
7	1	6701	CHAIN, # 50 CON/LINK
8	1	6700	CHAIN #50 DRIVE (5.27 FT LG.)
9	1	2650	SPROCKET, 50-17 IDLER
10	1	27063	GUARD, BOTTOM BEATER DRIVE
11	1	10578	BOLT- 5/8" NC GR5 x 2 1/2" LG.
12	4	10401	BOLT- 1/2" NC GRD.5 x 1" LG.
13	12	10398	WASHER, LOCK- 1/2"
14	4	10406	BOLT- 1/2" NC GRD.5 x 1 1/4" LG.
15	8	10399	WASHER- 1/2" FLAT
16	4	10552	WASHER, FLAT- 5/8"
17	4	10424	BOLT, CARRIAGE- 1/2" NC GRD.5 x 2" LG.
18	4	10390	NUT 1/2" NC
19	1	10553	WASHER- 5/8" LOCK
20	1	10550	NUT 5/8" NC
21	3	10181	BOLT- 3/8"-16 NC GRD.5 x 1" LG.
22	3	2746	SPROCKET, 50-B-18 x 1.50" ID
23	3	10178	WASHER, 3/8" LOCK
24	1	133012	DRIVE ROLLER SHAFT EXTENSION
25	2	2047	BEARING, PILLOW BLOCK 1-1/2" BORE
26	3	3694	KEY, SQ. 3/8" x 1 1/4" LG.
27	1	6704	CHAIN, #50-2 CON-LINK
28	1	6703	CHAIN, 50-2 DRIVE (.95 FT LG.)



NOTES: UNLESS OTHERWISE SPECIFIED

1 - THIS BEATER DRIVE ASSEMBLY USED ON A 7 FT WIDE UNIT.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

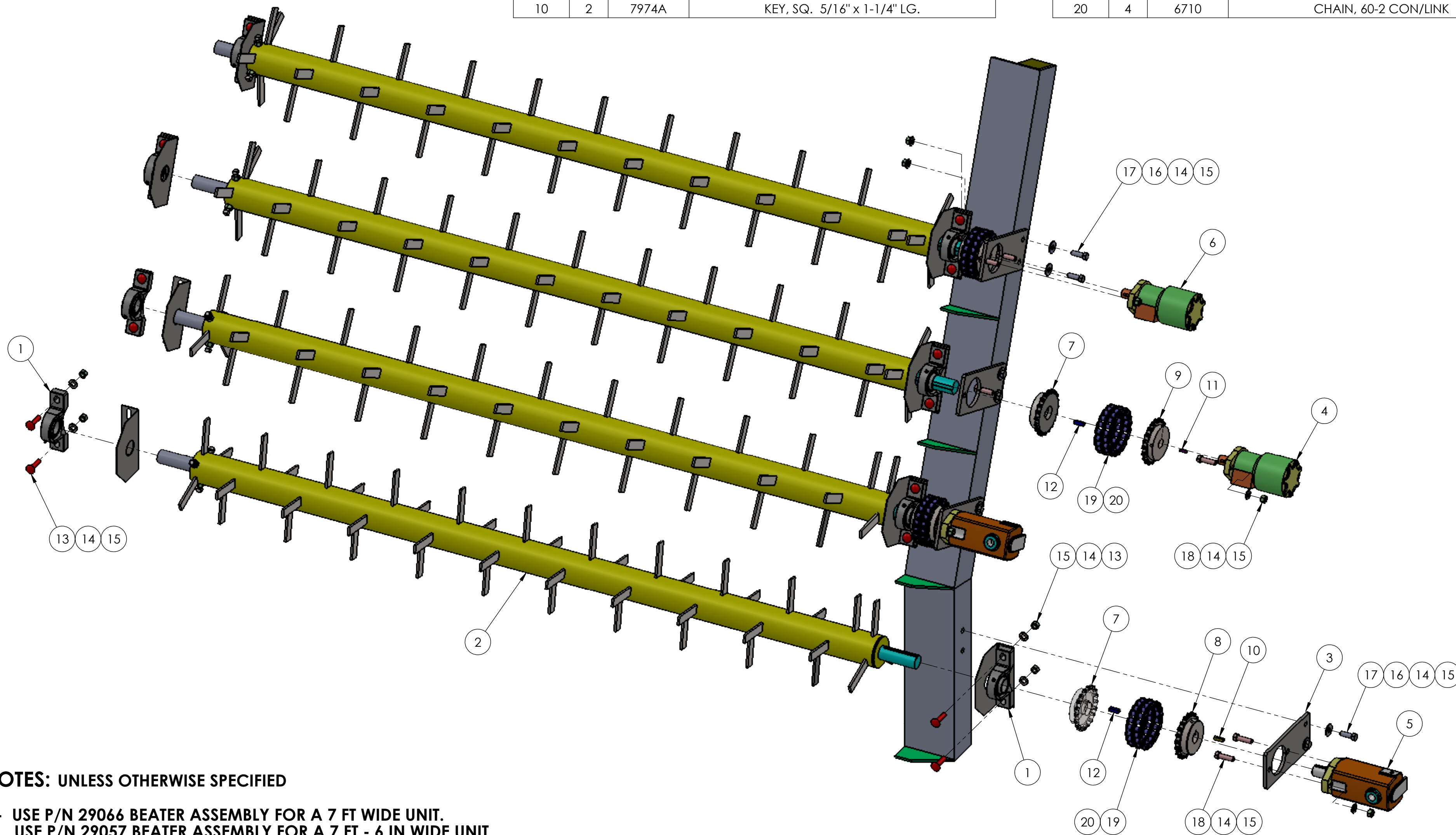
Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
DRAWN BY: 10-18-16		NAME: MCCLURE		DESCRIPTION: BEATER DRIVE, MECHANICAL	
CHECKED BY:		VENDOR:		SIZE: C	
APPROVED BY:		VENDOR P/N:		PART NUMBER: FW-008C	
				SCALE: 1:5	
				WEIGHT: 588.051 lbs	
				SHEET 1 OF 1	

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TOLERANCES:
FRACTIONAL: ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	8	2047	BEARING, PILLOW BLOCK 1-1/2" BORE
2	4	SEE NOTE-1	BEATER ASSEMBLY
3	4	61117	MOTOR MOUNT PLATE
4	1	7959	MOTOR, HYDRAULIC
5	2	7974	MOTOR, HYDRAULIC
6	1	7939	MOTOR, HYDRAULIC
7	4	3114	SPROCKET, 60-B-20 x 1.50" I.D.
8	2	3112-MFW	SPROCKET, MODIFIED, 60-B-20 x 1.25" ID 5/16" KW
9	2	3110-MFW	SPROCKET, MODIFIED, 60B20 - 1" ID
10	2	7974A	KEY, SQ. 5/16" x 1-1/4" LG.

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
11	2	7879B	KEY, WOODRUFF- 1/4" x 1"
12	4	3694	KEY, SQ. 3/8" x 1 1/4" LG.
13	16	10424	BOLT, CARRIAGE- 1/2" NC GRD.5 x 2" LG.
14	32	10398	WASHER, LOCK- 1/2"
15	32	10390	NUT 1/2" NC
16	8	10399	WASHER- 1/2" FLAT
17	8	10411	BOLT- 1/2" NC GRD.5 x 1 1/2" LG.
18	8	10416	BOLT- 1/2" NC GRD.5 x 1 3/4" LG.
19	4	6709	CHAIN, #60-2 DRIVE (1.26 FT LG.)
20	4	6710	CHAIN, 60-2 CON/LINK




NOTES: UNLESS OTHERWISE SPECIFIED

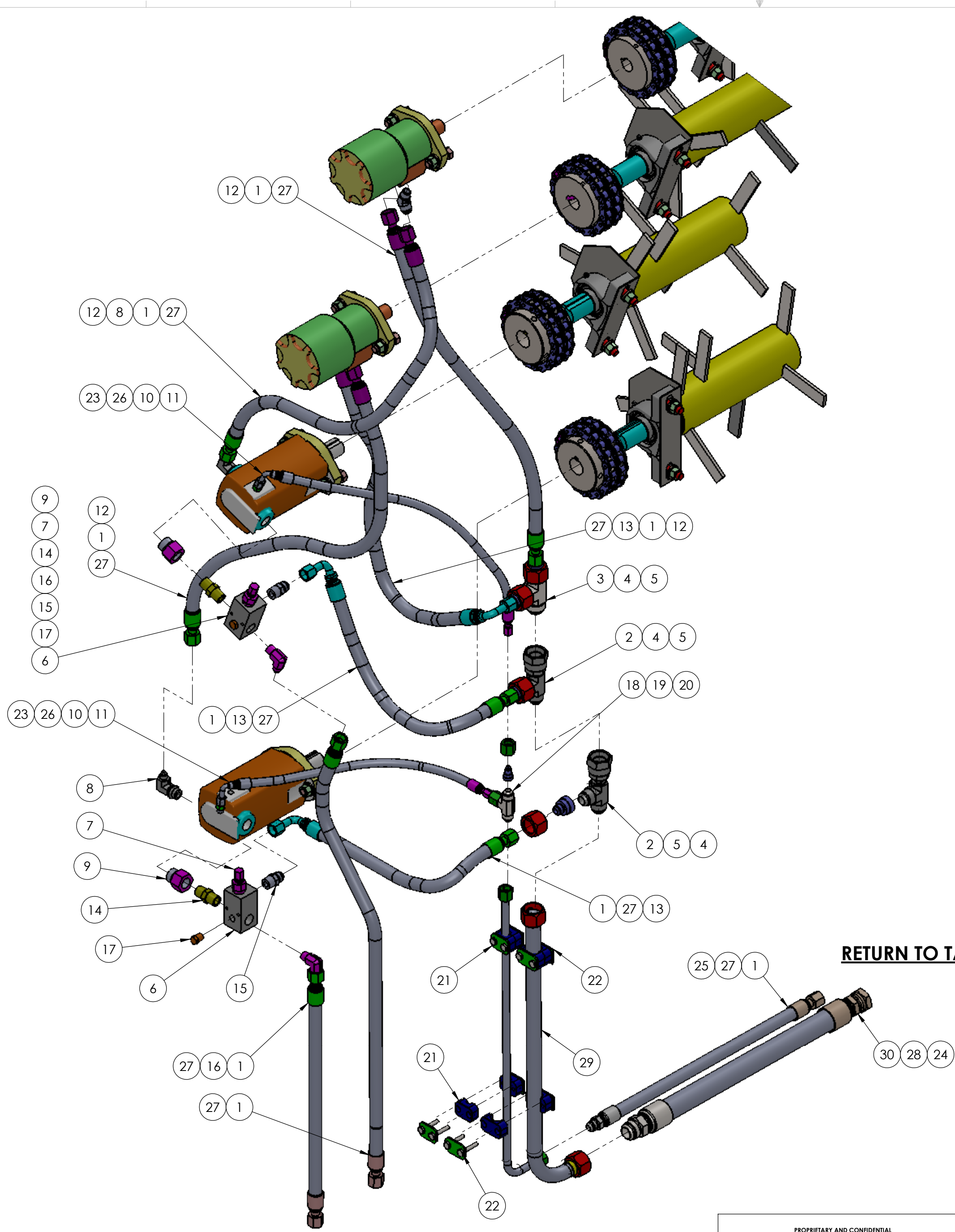
- 1 - USE P/N 29066 BEATER ASSEMBLY FOR A 7 FT WIDE UNIT.
USE P/N 29057 BEATER ASSEMBLY FOR A 7 FT - 6 IN WIDE UNIT.
THE SHAFT ON THE DRIVE SIDE OF BEATER ASSEMBLY MUST BE CUT TO FIT.
- 2 - SEE DWG NO. FW-009B FOR HYDRAULIC HOSE COMPONENTS.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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TOLERANCES:
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ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #: MATERIAL: SEE BOM MATERIAL P/N:			
DESCRIPTION		BEATER DRIVE, HYDRAULIC		REV. -	
SIZE C		PART NUMBER FW-009A		SCALE: 1:8	
WEIGHT: 573.680 lbs		SHEET 1 OF 1			




ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	14	10643-8-8	HOSE END, STRT. 1/2" FM JIC, SWIVEL
2	2	16 R6X-S	FITTING, TEE 1" SWIVEL M x M x FM
3	1	16 JTX-S	FITTING, UNION TEE 1" MJIC
4	4	16 BTX-S	NUT, 1" FM x 1/2" M HOSE FIT.
5	4	16-8 TRTX-S	FITTING, REDUCER, 1"FM x 1/2" M
6	2	8074	RELIEF VALVE BODY, FEC HYD.
7	2	7892	RELIEF VALVE, 1/2"
8	2	8-12 C5OX-S	FITTING, 90°, 1/2" MJIC x 3/4" M O-RING
9	2	12-1_2 F5OG-S	FITTING, ADAPTER, 3/4" M O-RING x 1/2" F NPTF
10	2	4 F5OX-S	FITTING, STRT, 1/4" M x 1/4" M, O-RING
11	2	13943-4-4	HOSE END, 1/4" FM SWIVEL 90° ELBOW
12	4	8-8 VTX-S	FITTING, 45° ELBOW, 1/2" M JIC x 1/2" M NPTF
13	3	13943-8-8	HOSE END, 90°, 1/2", x 1/2" FM JIC, SWIVEL
14	2	1_2 FF-S	FITTING, STRT. 1/2" M NPTF x 1/2" M NPTF
15	2	8-8 FTX-S	FITTING, STRT. 1/2" M JIC x 1/2" M NPTF
16	2	8-8 CTX-S	FITTING, 90°, 1/2" M JIC x 1/2" M NPTF
17	4	1_4 HP-S	PLUG, HEX HD. 1/4" M NPTF
18	1	8 JTX-S	FITTING- 1/2" MJIC UNION TEE
19	2	8 BTX-S	FITTING, NUT- 1/2" FMJIC
20	2	8-4 TRTX-S	FITTING, TUBE END REDUCER- 1/2" F JIC x 1/4" M JIC
21	2	2127-PP-KIT	CLAMP, SINGLE HOSE, 1/2" TUBE
22	2	3254-PP	CLAMP, SINGLE HOSE, 1" TUBE
23	2	10643-4-4	COUPLING, HOSE CRIMP- STR. 1/4" FM SWVL
24	1	10343-16-16	HOSE END, 1" M JIC x 1" CRIMP
25	1	10343-8-8	HOSE END, 1/2" MJIC x 1/2" CRIMP
26	2	451TC-4-RL	HOSE, HYDRAULIC, 1/4" (CUT TO LENGTH)
27	9	451TC-8-RL	HOSE, HYDRAULIC, 1/2" (CUT TO LENGTH)
28	1	451TC-16-RL	HOSE, HYDRAULIC, 1" (CUT TO LENGTH)
29	1	9558B	TUBE KIT, FORMED, W/FLAIR NUTS
30	1	10643-16-16	HOSE END, STRT. 1" x 1" FM JIC, SWIVEL

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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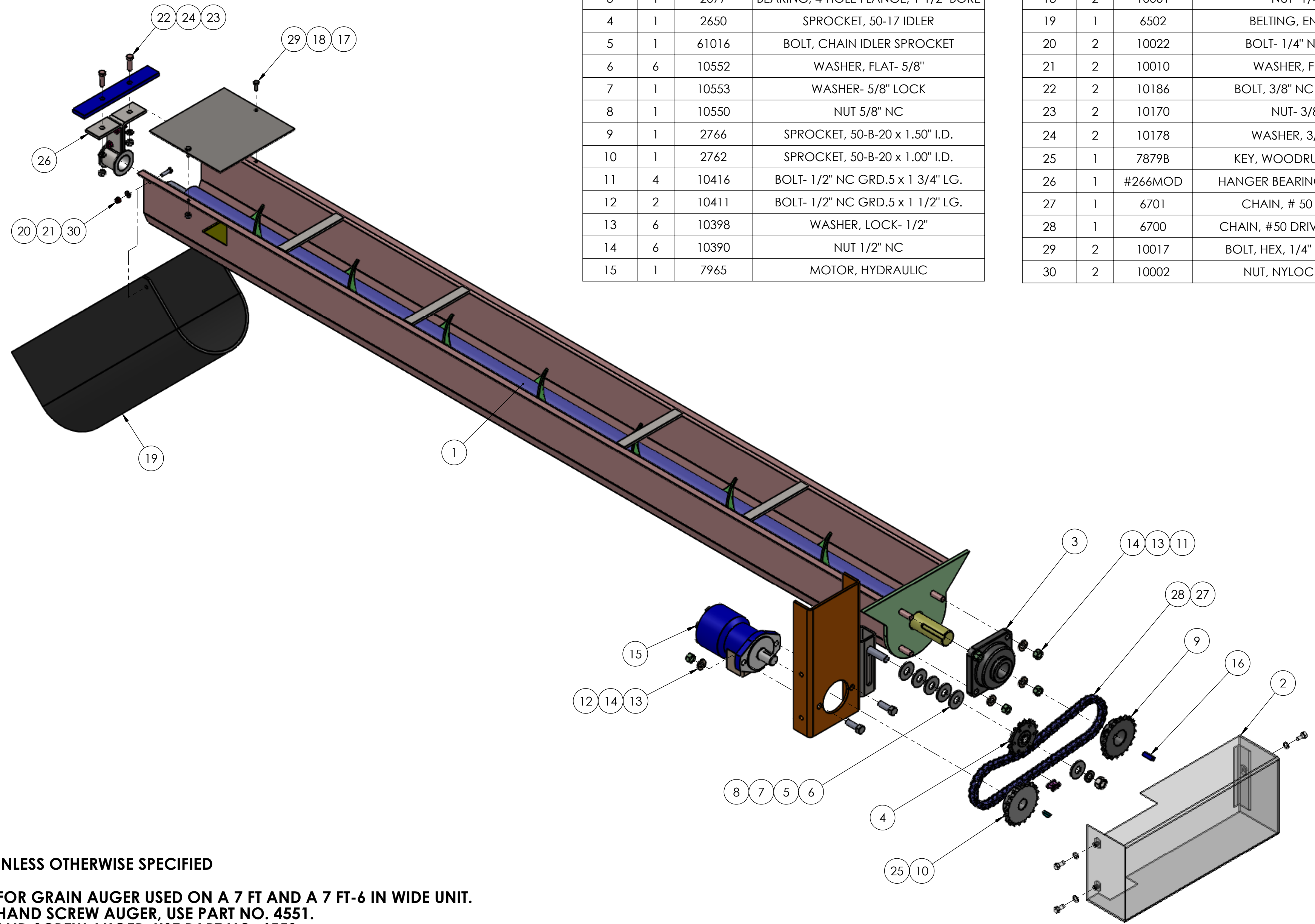
DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #:			
		MATERIAL: SEE BOM		PART NUMBER FW-009B	
		MATERIAL P/N:		REV. -	
DRAWN BY: 10-18-16		NAME: MCCLURE		SCALE: 3:14	
CHECKED BY:		VENDOR:		WEIGHT: 371.705 lbs	
APPROVED BY:		VENDOR P/N:		SHEET 1 OF 1	

8 7 6 5 4 3 2 1

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	SEE NOTE-2	SCREW, GRAIN AUGER
2	1	27306	GRAIN AUGER DRIVE COVER
3	1	2077	BEARING, 4-HOLE FLANGE, 1-1/2" BORE
4	1	2650	SPROCKET, 50-17 IDLER
5	1	61016	BOLT, CHAIN IDLER SPROCKET
6	6	10552	WASHER, FLAT- 5/8"
7	1	10553	WASHER- 5/8" LOCK
8	1	10550	NUT 5/8" NC
9	1	2766	SPROCKET, 50-B-20 x 1.50" I.D.
10	1	2762	SPROCKET, 50-B-20 x 1.00" I.D.
11	4	10416	BOLT- 1/2" NC GRD.5 x 1 3/4" LG.
12	2	10411	BOLT- 1/2" NC GRD.5 x 1 1/2" LG.
13	6	10398	WASHER, LOCK- 1/2"
14	6	10390	NUT 1/2" NC
15	1	7965	MOTOR, HYDRAULIC

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
16	1	3694	KEY, SQ. 3/8" x 1 1/4" LG.
17	2	10009	WASHER, LOCK- 1/4"
18	2	10001	NUT- 1/4" NC
19	1	6502	BELTING, END SPOUT
20	2	10022	BOLT- 1/4" NC x 1" LG.
21	2	10010	WASHER, FLAT- 1/4"
22	2	10186	BOLT, 3/8" NC x 1-1/4" LG.
23	2	10170	NUT- 3/8" NC
24	2	10178	WASHER, 3/8" LOCK
25	1	7879B	KEY, WOODRUFF- 1/4" x 1"
26	1	#266MOD	HANGER BEARING, 1-1/2" BORE
27	1	6701	CHAIN, # 50 CON/LINK
28	1	6700	CHAIN, #50 DRIVE (3.13 FT LG.)
29	2	10017	BOLT, HEX, 1/4" NC x 3/4" LG.
30	2	10002	NUT, NYLOCK- 1/4" NC



NOTES: UNLESS OTHERWISE SPECIFIED

- 1 - PARTS FOR GRAIN AUGER USED ON A 7 FT AND A 7 FT-6 IN WIDE UNIT.
- 2 - RIGHT HAND SCREW AUGER, USE PART NO. 4551.
LEFT HAND SCREW AUGER, USE PART NO. 4552.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #: MATERIAL: SEE BOM MATERIAL P/N:			
DESCRIPTION	DRIVE, GRAIN AUGER				
SIZE	PART NUMBER	REV.			
C	FW-010	-			
SCALE: 1:6		WEIGHT: 230.545 lbs		SHEET 1 OF 1	

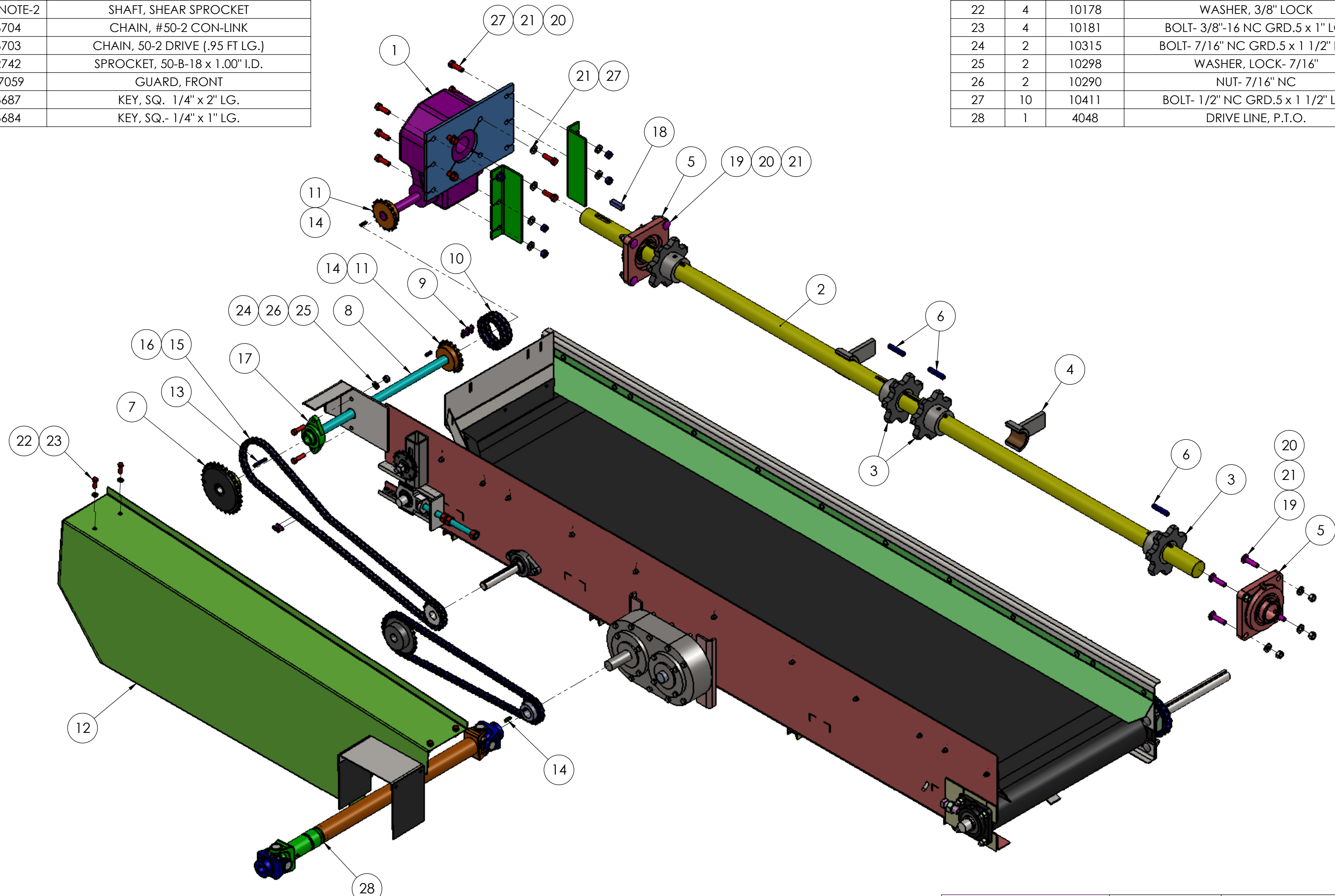
8 7 6 5 4 3 2 1

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	7235	GEARBOX
2	1	133238	SHAFT, FLOOR DRIVE
3	4	27034	SPROCKET, FLOOR DRIVE - D667X
4	2	61055	BEARING, HALF BRONZE, 2" DIA.
5	2	2154	BEARING, 4-HOLE FLANGE, 2" BORE
6	4	3693	KEY, SQ. 3/8" x 2 1/2" LG.
7	1	2862	SPROCKET, SHEAR, 50-B-30 x 1" BORE
8	1	SEE NOTE-2	SHAFT, SHEAR SPROCKET
9	1	6704	CHAIN, #50-2 CON-LINK
10	1	6703	CHAIN, 50-2 DRIVE (.95 FT LG.)
11	2	2742	SPROCKET, 50-B-18 x 1.00" I.D.
12	1	27059	GUARD, FRONT
13	1	3687	KEY, SQ. 1/4" x 2" LG.
14	3	3684	KEY, SQ.- 1/4" x 1" LG.

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 - THIS FLOOR DRIVE ASSEMBLY USED ON A 7 FT WIDE UNIT.
- 2 - WITH A 24" CROSSFEED, USE SHAFT PART NO. 133015-22.
- WITH A 30" CROSSFEED, USE SHAFT PART NO. 133015.

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
15	1	6700	CHAIN, #50 (5.84 FT LG.)
16	1	6701	CHAIN, # 50 CON/LINK
17	1	2126	BEARING, 2-HOLE FLANGE, 1"
18	1	7235F	KEY, SQ. 1/2" x 1.80 LG.
19	8	10424	BOLT, CARRIAGE- 1/2" NC GRD.5 x 2" LG.
20	14	10390	NUT 1/2" NC
21	18	10398	WASHER, LOCK- 1/2"
22	4	10178	WASHER, 3/8" LOCK
23	4	10181	BOLT- 3/8"-16 NC GRD.5 x 1" LG.
24	2	10315	BOLT- 7/16" NC GRD.5 x 1 1/2" LG.
25	2	10298	WASHER, LOCK- 7/16"
26	2	10290	NUT- 7/16" NC
27	10	10411	BOLT- 1/2" NC GRD.5 x 1 1/2" LG.
28	1	4048	DRIVE LINE, P.T.O.

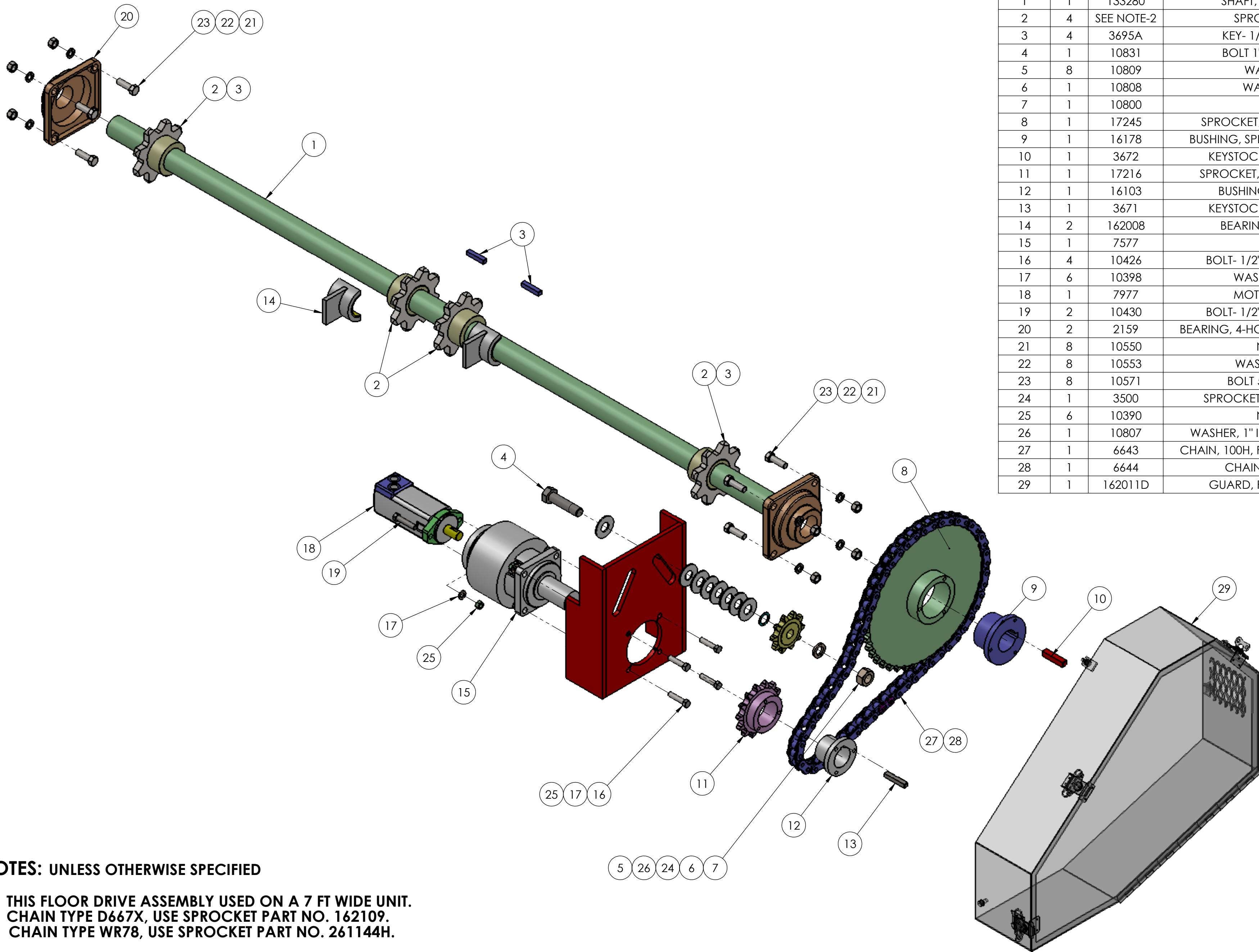


NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
DESCRIPTION		FLOOR DRIVE, MECHANICAL		REV. -	
SIZE C		PART NUMBER FW-011		SCALE: 1:8	
WEIGHT: 936.425 lbs		SHEET 1 OF 1			



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	133280	SHAFT, Ø2-7/16 x 96" LG.
2	4	SEE NOTE-2	SPROCKET, 8-TOOTH
3	4	3695A	KEY- 1/2" SQ. x 2 1/2" LG.
4	1	10831	BOLT 1" NC GR-5 x 4" LG.
5	8	10809	WASHER- 1" FLAT
6	1	10808	WASHER 1" LOCK
7	1	10800	NUT- 1" NC
8	1	17245	SPROCKET, SPLIT TAPER, 100 R 42
9	1	16178	BUSHING, SPLIT TAPER, R1 x 2 7/16" ID
10	1	3672	KEYSTOCK, SQ.- 5/8" (x 3" LG.)
11	1	17216	SPROCKET, SPLIT TAPER, 100 Q 14
12	1	16103	BUSHING, Q1 x 2-1/4" ID TL
13	1	3671	KEYSTOCK, SQ.- 1/2" (x 3" LG.)
14	2	162008	BEARING, HALF (BRONZE)
15	1	7577	GEARBOX
16	4	10426	BOLT- 1/2" NC GR5 x 2 1/4" LG.
17	6	10398	WASHER, LOCK- 1/2"
18	1	7977	MOTOR, HYDRAULIC
19	2	10430	BOLT- 1/2" NC GR5 x 2 1/2" LG.
20	2	2159	BEARING, 4-HOLE FLANGE, 2-7/16" BORE
21	8	10550	NUT 5/8" NC
22	8	10553	WASHER- 5/8" LOCK
23	8	10571	BOLT 5/8" NC GR-5 x 2"
24	1	3500	SPROCKET, 100 IDLER 10 TOOTH
25	6	10390	NUT 1/2" NC
26	1	10807	WASHER, 1" ID x .073 THK x 1-1/2" OD
27	1	6643	CHAIN, 100H, FLOOR DRIVE (6.23 FT LG.)
28	1	6644	CHAIN, 100H CON/LINK
29	1	162011D	GUARD, FLOOR CHAIN DRIVE


NOTES: UNLESS OTHERWISE SPECIFIED

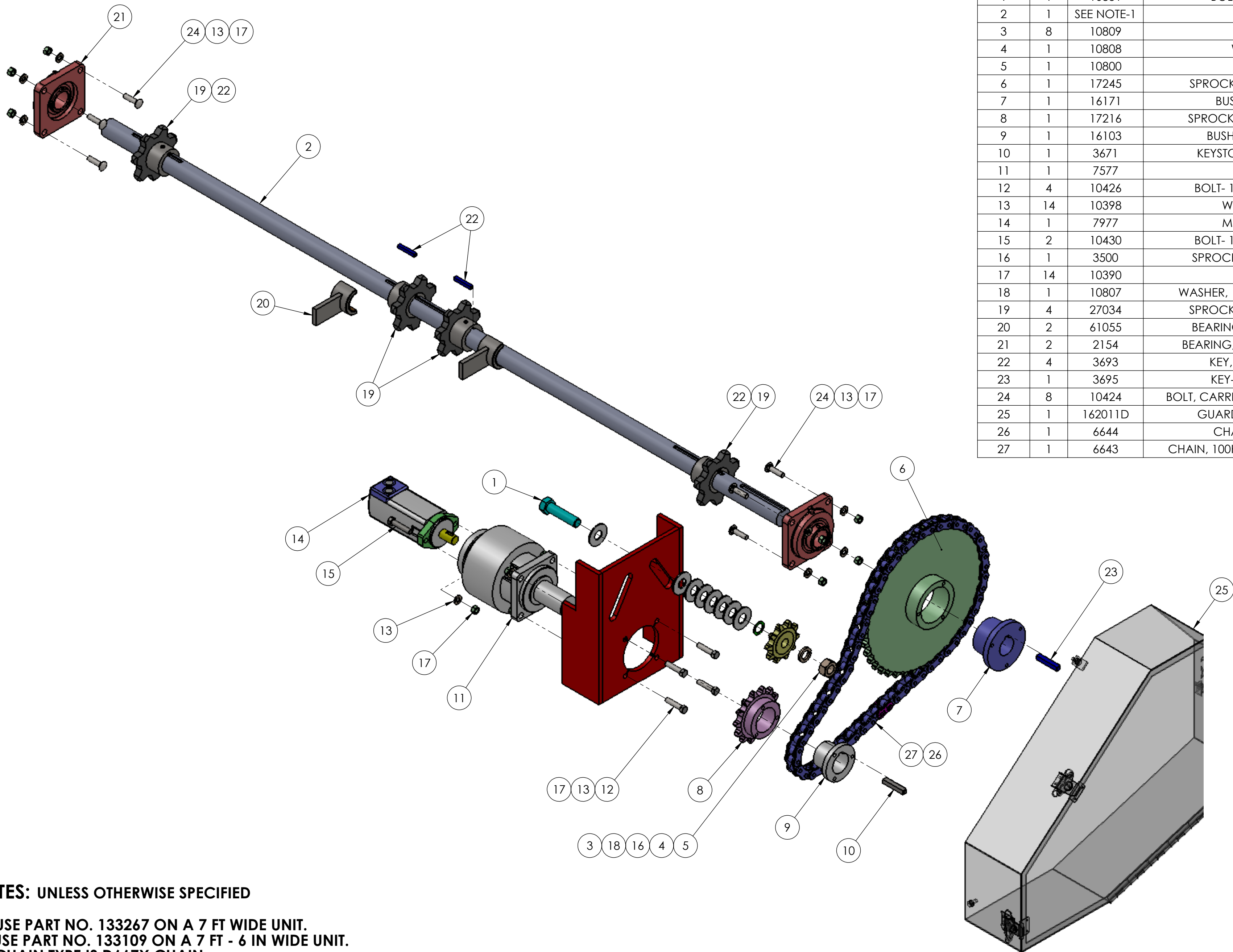
- 1 - THIS FLOOR DRIVE ASSEMBLY USED ON A 7 FT WIDE UNIT.
- 2 - CHAIN TYPE D667X, USE SPROCKET PART NO. 162109.
CHAIN TYPE WR78, USE SPROCKET PART NO. 261144H.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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TOLERANCES:
FRACTIONAL: ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #:			
		MATERIAL:		SEE BOM	
		MATERIAL P/N:			
DRAWN BY: 10-6-14		NAME: MCCLURE		FINISH:	
CHECKED BY:				VENDOR:	
APPROVED BY:				VENDOR P/N:	
		SCALE: 1:7		WEIGHT: 414.503 lbs	
		PART NUMBER: FW-012		REV: -	
		SHEET 1 OF 1			



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	10831	BOLT 1" NC GR-5 x 4" LG.
2	1	SEE NOTE-1	SHAFT, Ø 2"
3	8	10809	WASHER- 1" FLAT
4	1	10808	WASHER 1" LOCK
5	1	10800	NUT- 1" NC
6	1	17245	SPROCKET, SPLIT TAPER, 100 R 42
7	1	16171	BUSHING- R1 x 2" I.D. TL
8	1	17216	SPROCKET, SPLIT TAPER, 100 Q 14
9	1	16103	BUSHING, Q1 x 2-1/4" ID TL
10	1	3671	KEYSTOCK, SQ.- 1/2" (x 3" LG.)
11	1	7577	GEARBOX
12	4	10426	BOLT- 1/2" NC GR5 x 2 1/4" LG.
13	14	10398	WASHER, LOCK- 1/2"
14	1	7977	MOTOR, HYDRAULIC
15	2	10430	BOLT- 1/2" NC GR5 x 2 1/2" LG.
16	1	3500	SPROCKET, 100 IDLER 10 TOOTH
17	14	10390	NUT 1/2" NC
18	1	10807	WASHER, 1" ID x .073 THK x 1-1/2" OD
19	4	27034	SPROCKET, FLOOR DRIVE, D667X
20	2	61055	BEARING, HALF BRONZE, 2" DIA.
21	2	2154	BEARING, 4-HOLE FLANGE, 2" BORE
22	4	3693	KEY, SQ. 3/8" x 2 1/2" LG.
23	1	3695	KEY- 1/2" SQ. x 2 1/2" LG.
24	8	10424	BOLT, CARRIAGE- 1/2" NC GRD.5 x 2" LG.
25	1	162011D	GUARD, FLOOR DRIVE CHAIN
26	1	6644	CHAIN, 100H CON/LINK
27	1	6643	CHAIN, 100H, FLOOR DRIVE (6.23 FT LG.)

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 - USE PART NO. 133267 ON A 7 FT WIDE UNIT.
USE PART NO. 133109 ON A 7 FT - 6 IN WIDE UNIT.
- 2 - CHAIN TYPE IS D667X CHAIN.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

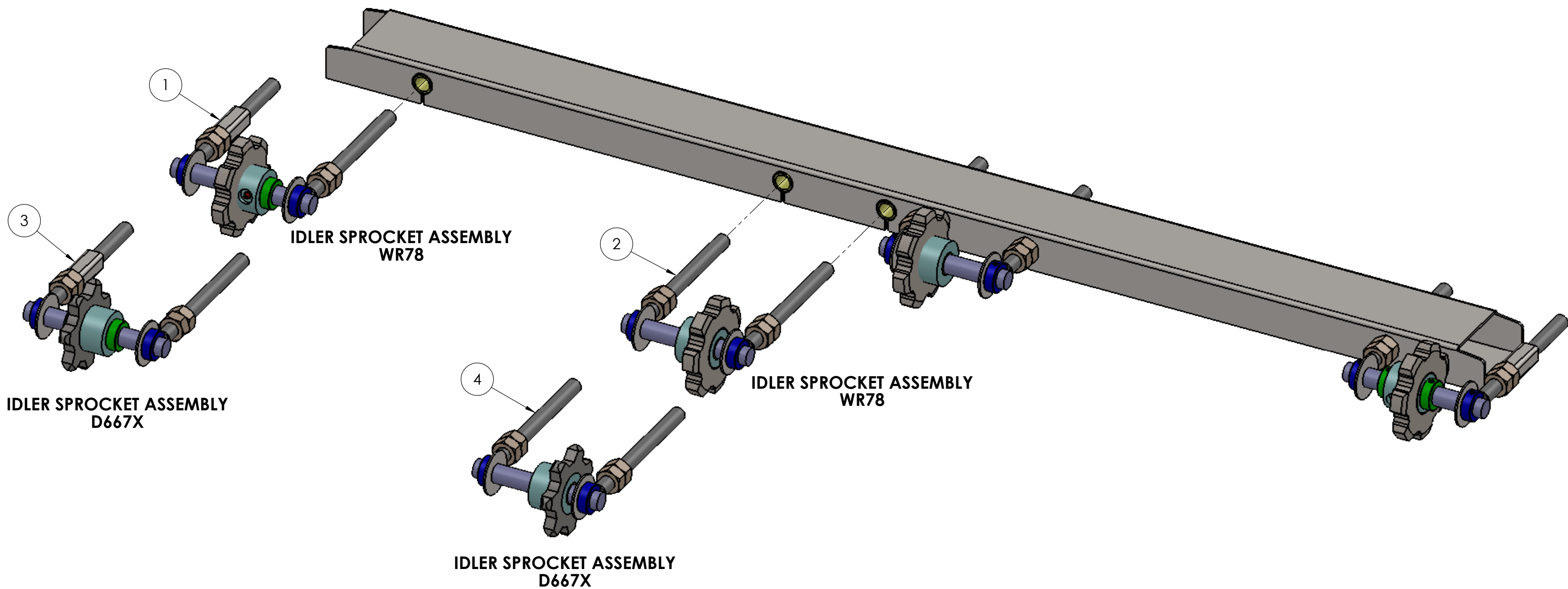
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TOLERANCES:
FRACTIONAL: ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #: MATERIAL: SEE BOM MATERIAL P/N:			
DESCRIPTION		FLOOR DRIVE, HYDRAULIC, 2" Ø SHAFT		REV.:	
DRAWN BY: 10-10-16		NAME: MCCURE		FINISH:	
CHECKED BY:		VENDOR:		SCALE: 1:7	
APPROVED BY:		VENDOR P/N:		WEIGHT: 367.301 lbs	
PART NUMBER		FW-013		SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	27031-WR78	WR78 OUTER IDLER SPROCKET ASSEMBLY
2	2	27032-WR78	WR78 INNER IDLER SPROCKET ASSEMBLY
3	2	27031	D667X OUTER IDLER SPROCKET ASSEMBLY
4	2	27032	D667X INNER IDLER SPROCKET ASSEMBLY

**FOR ORDERING COMPLETE SPROCKET ASSEMBLIES
USE PART NUMBERS IN THE ABOVE BOM**



NOTES: UNLESS OTHERWISE SPECIFIED

1 - SEE DWG NO. FW-014B FOR INDIVIDUAL COMPONENT PART NUMBERS.

**NOTE: UNIT SERIAL # NEEDED
FOR ALL PART ORDERS**

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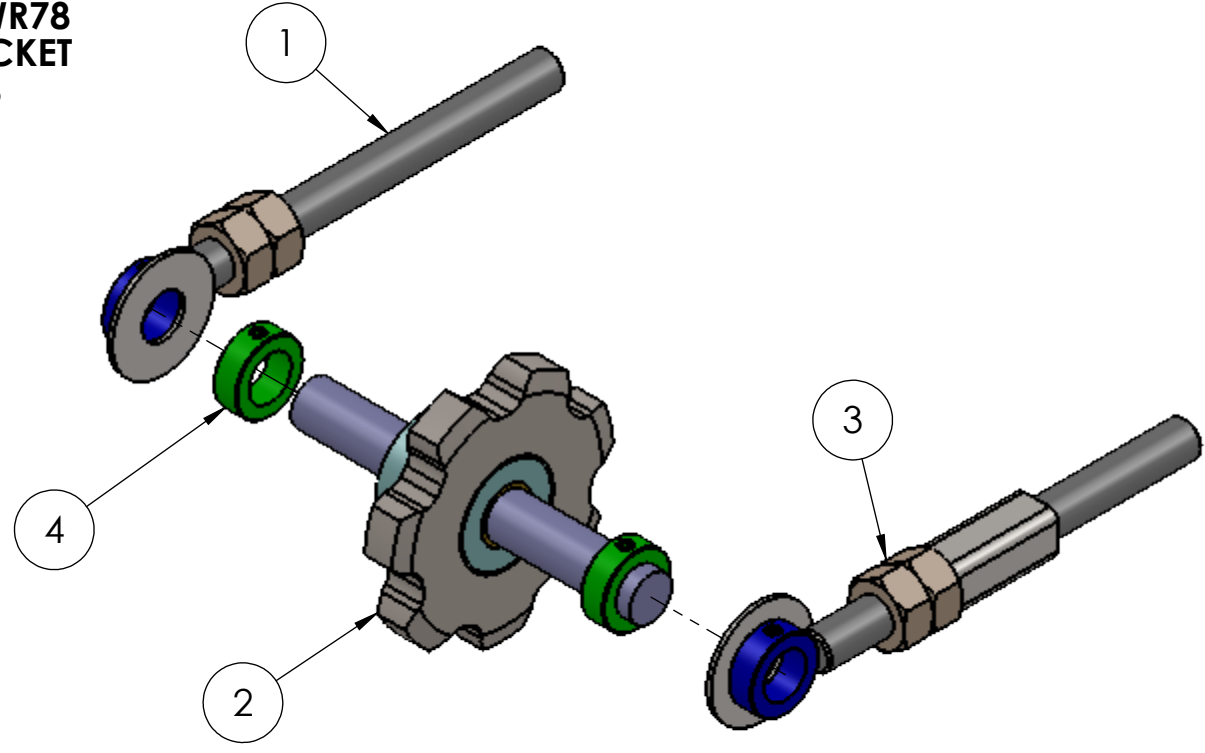
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
DRAWN BY: 10-5-14		NAME: MCCLURE		DESCRIPTION: IDLER TAKE-UP, FLOOR CHAIN	
CHECKED BY:		VENDOR:		SIZE: C	
APPROVED BY:		VENDOR P/N:		PART NUMBER: FW-014A	
				SCALE: 1:5	
				WEIGHT: 156.908 lbs	
				SHEET 1 OF 1	

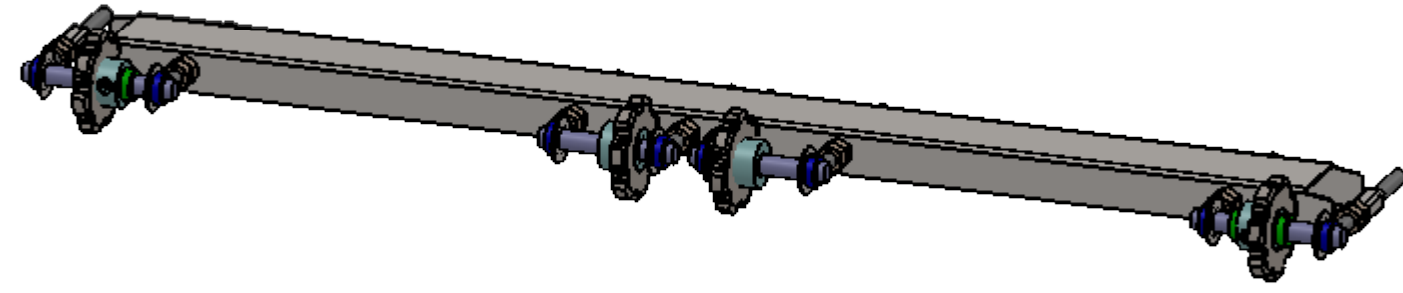
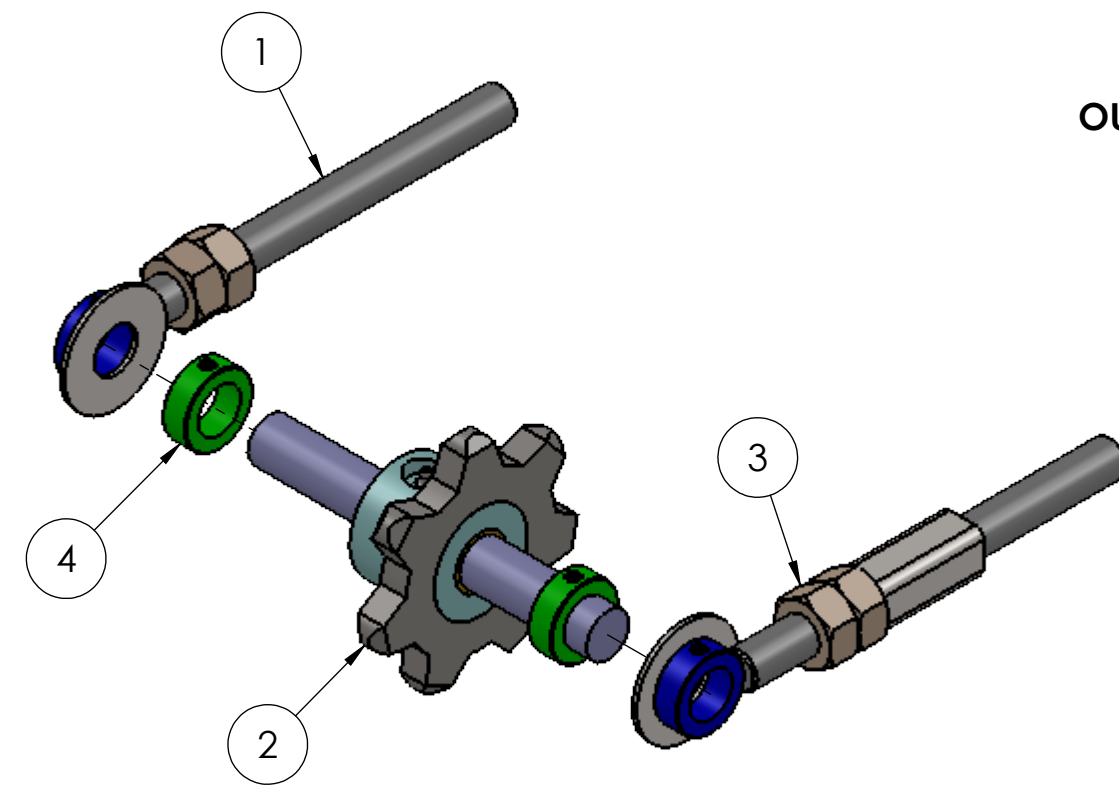
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	161011	IDLER TAKE-UP 1" ALLTHREAD
2	1	27069	SPROCKET, WR78 IDLER
3	4	10800	NUT- 1" NC
4	2	4318	SHAFT COLLAR, 1-1/4" I.D.

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	161011	IDLER TAKE-UP 1" ALLTHREAD
2	1	27033	SPROCKET, D667X IDLER
3	4	10800	NUT- 1" NC
4	2	4318	SHAFT COLLAR, 1-1/4" I.D.

**PART NO. 27031-WR78
OUTER IDLER SPROCKET
USE WITH WR78
FLOOR CHAIN**



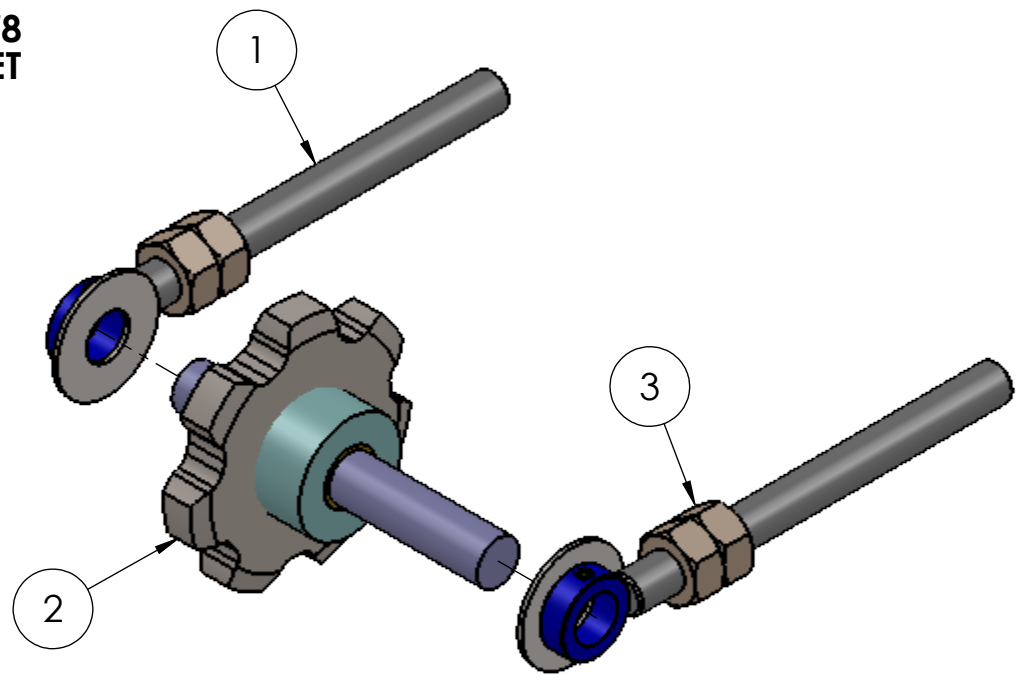
**PART NO. 27031
OUTER IDLER SPROCKET
USE WITH D667X
FLOOR CHAIN**



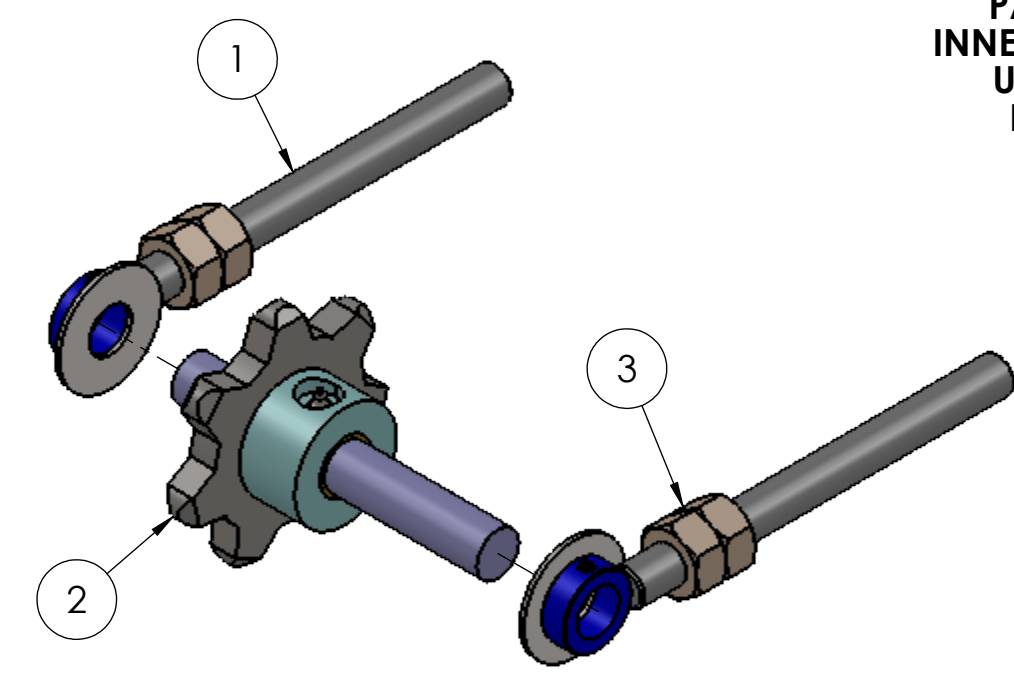
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	161011	IDLER TAKE-UP 1" ALLTHREAD
2	1	27069	SPROCKET, WR78 IDLER
3	4	10800	NUT- 1" NC

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	161011	IDLER TAKE-UP 1" ALLTHREAD
2	1	27033	SPROCKET, D667X IDLER
3	4	10800	NUT- 1" NC

**PART NO. 27032-WR78
INNER IDLER SPROCKET
USE WITH WR78
FLOOR CHAIN**




**PART NO. 27032
INNER IDLER SPROCKET
USE WITH D667X
FLOOR CHAIN**



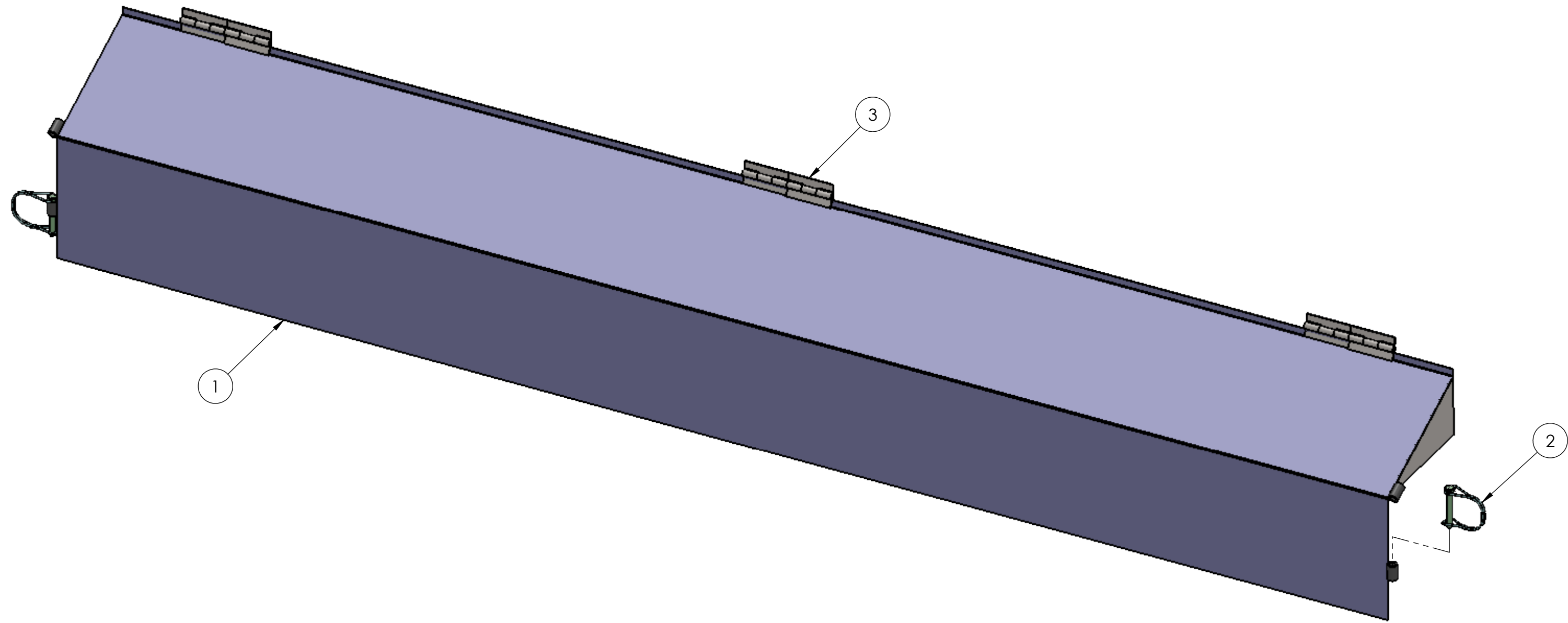
**NOTE: UNIT SERIAL # NEEDED
FOR ALL PART ORDERS**

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ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #:			
		MATERIAL: SEE BOM		DESCRIPTION IDLER TAKE-UP, FLOOR CHAIN COMPONENTS	
		MATERIAL P/N:		SIZE PART NUMBER REV.	
DRAWN BY: 10-5-14		NAME: MCCLURE		C FW-014B -	
CHECKED BY:		VENDOR:		SCALE: 1:6 WEIGHT: 156.908 lbs SHEET 1 OF 1	
APPROVED BY:		VENDOR P/N:			

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	SEE NOTE-1	GUARD, REAR FLOOR CHAIN
2	2	4125	GUARD PIN
3	3	5654	PIANO HINGE, 1-1/2" OPEN, 1/4" PIN X 6" LG.




NOTES: UNLESS OTHERWISE SPECIFIED

- 1 - USE PART NO. 27138 FOR A 7 FT WIDE UNIT.
USE PART NO. 27111 FOR A 7 FT - 6 IN WIDE UNIT.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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THREE PLACE DECIMAL ±

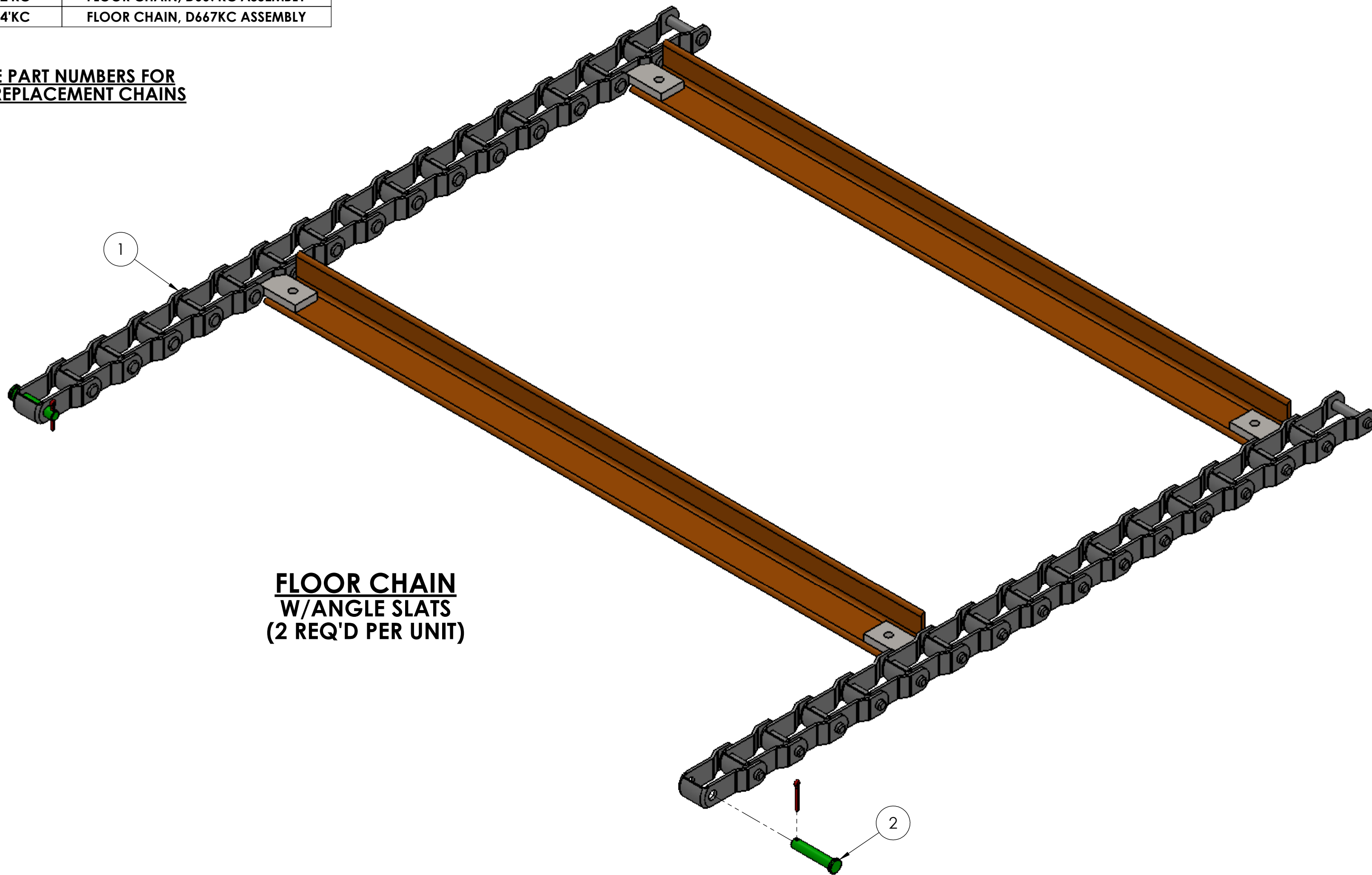
Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #:			
		MATERIAL: SEE BOM		DESCRIPTION GUARD, REAR FLOOR CHAIN	
		MATERIAL P/N:			
DRAWN BY:	DATE	NAME		FINISH:	SIZE C
CHECKED BY:				VENDOR:	
APPROVED BY:				VENDOR P/N:	SCALE: 1:6
				WEIGHT: 25.002 lbs	REV. -
				PART NUMBER FW-014C	SHEET 1 OF 1

UNIT SIZE	PART NUMBER	DESCRIPTION
7 FT x 18 FT	27039-18'	FLOOR CHAIN, D667X ASSEMBLY
7 FT x 20 FT	27039-20'	FLOOR CHAIN, D667X ASSEMBLY
7 FT x 22 FT	27039-22'	FLOOR CHAIN, D667X ASSEMBLY
7 FT x 24 FT	27039-24'	FLOOR CHAIN, D667X ASSEMBLY
7 FT x 20 FT	27039-20'K	FLOOR CHAIN, D667K ASSEMBLY
7 FT x 22 FT	27039-22'K	FLOOR CHAIN, D667K ASSEMBLY
7 FT x 24 FT	27039-24'K	FLOOR CHAIN, D667K ASSEMBLY
7 FT x 18 FT	27039-18'KC	FLOOR CHAIN, D667KC ASSEMBLY
7 FT x 20 FT	27039-20'KC	FLOOR CHAIN, D667KC ASSEMBLY
7 FT x 22 FT	27039-22'KC	FLOOR CHAIN, D667KC ASSEMBLY
7 FT x 24 FT	27039-24'KC	FLOOR CHAIN, D667KC ASSEMBLY

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	6742, 6785, 6888	CHAIN, D667X, D667K, D667KC
2	2	6886	D667KC CHAIN - PIN & KEY

* USED FOR ALL 3 CHAIN TYPES.

USE ABOVE PART NUMBERS FOR ORDERING REPLACEMENT CHAINS



**FLOOR CHAIN
W/ANGLE SLATS
(2 REQ'D PER UNIT)**

NOTES: UNLESS OTHERWISE SPECIFIED

1 - FLOOR CHAIN TYPES ARE D667X, D667K, D667KC CHAIN.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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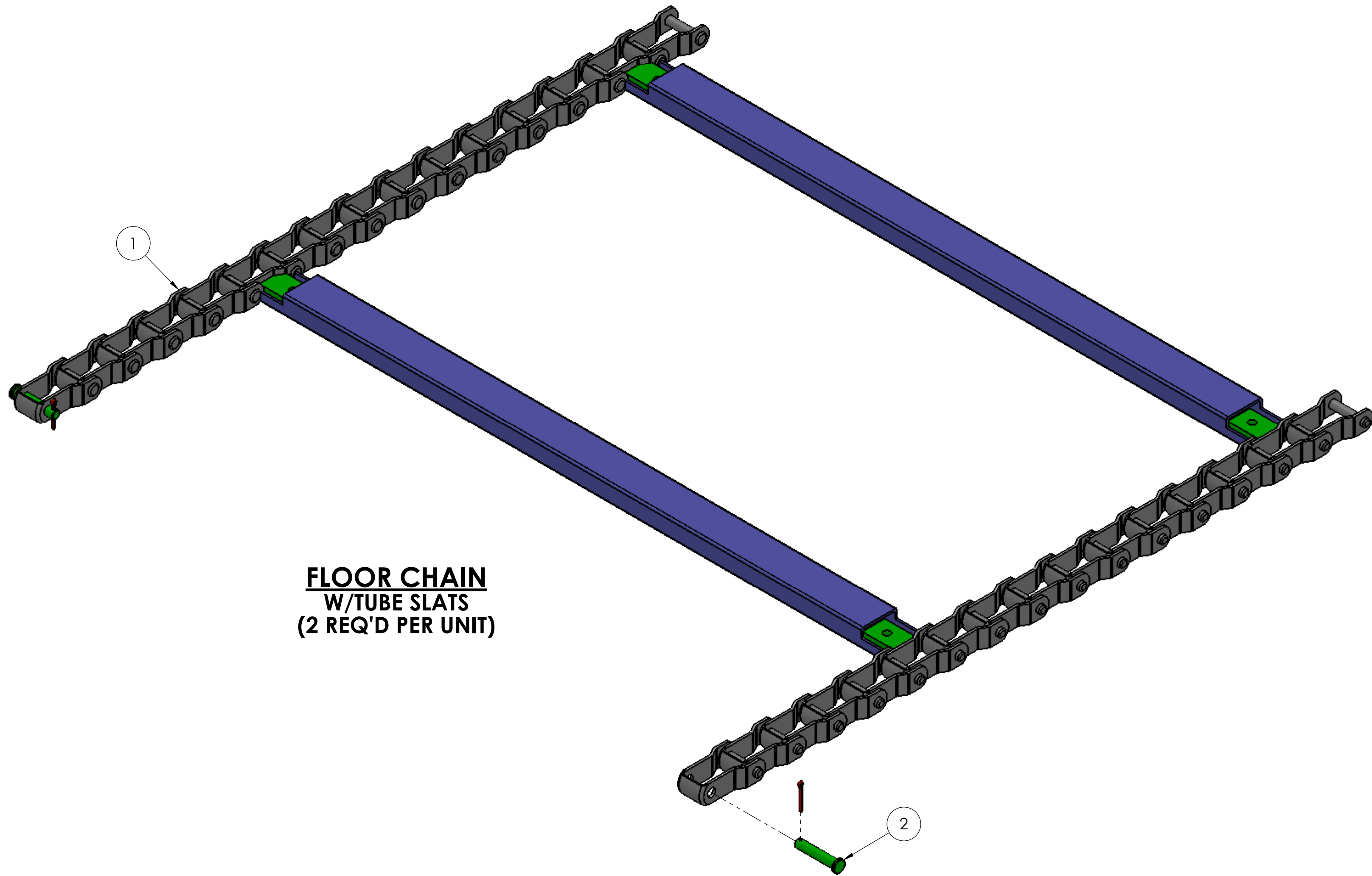
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
JOB #:		MATERIAL: SEE BOM		DESCRIPTION CHAIN, FLOOR, 7 FT WIDE UNIT	
DRAWN BY: 11-17-16		NAME: MCCLURE		FINISH:	
CHECKED BY:		VENDOR:		SCALE: 5:14	
APPROVED BY:		VENDOR P/N:		WEIGHT: 23.462 lbs	
PART NUMBER		FW-015		REV. -	
SHEET 1 OF 1					

UNIT SIZE	PART NUMBER	DESCRIPTION
7 FT x 20 FT	27039T-20'KC	FLOOR CHAIN, D667KC ASSEMBLY
7 FT x 22 FT	27039T-22'KC	FLOOR CHAIN, D667KC ASSEMBLY

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	6888	CHAIN, D667KC
2	2	6886	D667KC CHAIN - PIN & KEY

USE ABOVE PART NUMBERS FOR ORDERING REPLACEMENT CHAINS



**FLOOR CHAIN
W/TUBE SLATS
(2 REQ'D PER UNIT)**

NOTES: UNLESS OTHERWISE SPECIFIED

1 - FLOOR CHAIN TYPE IS D667KC CHAIN.

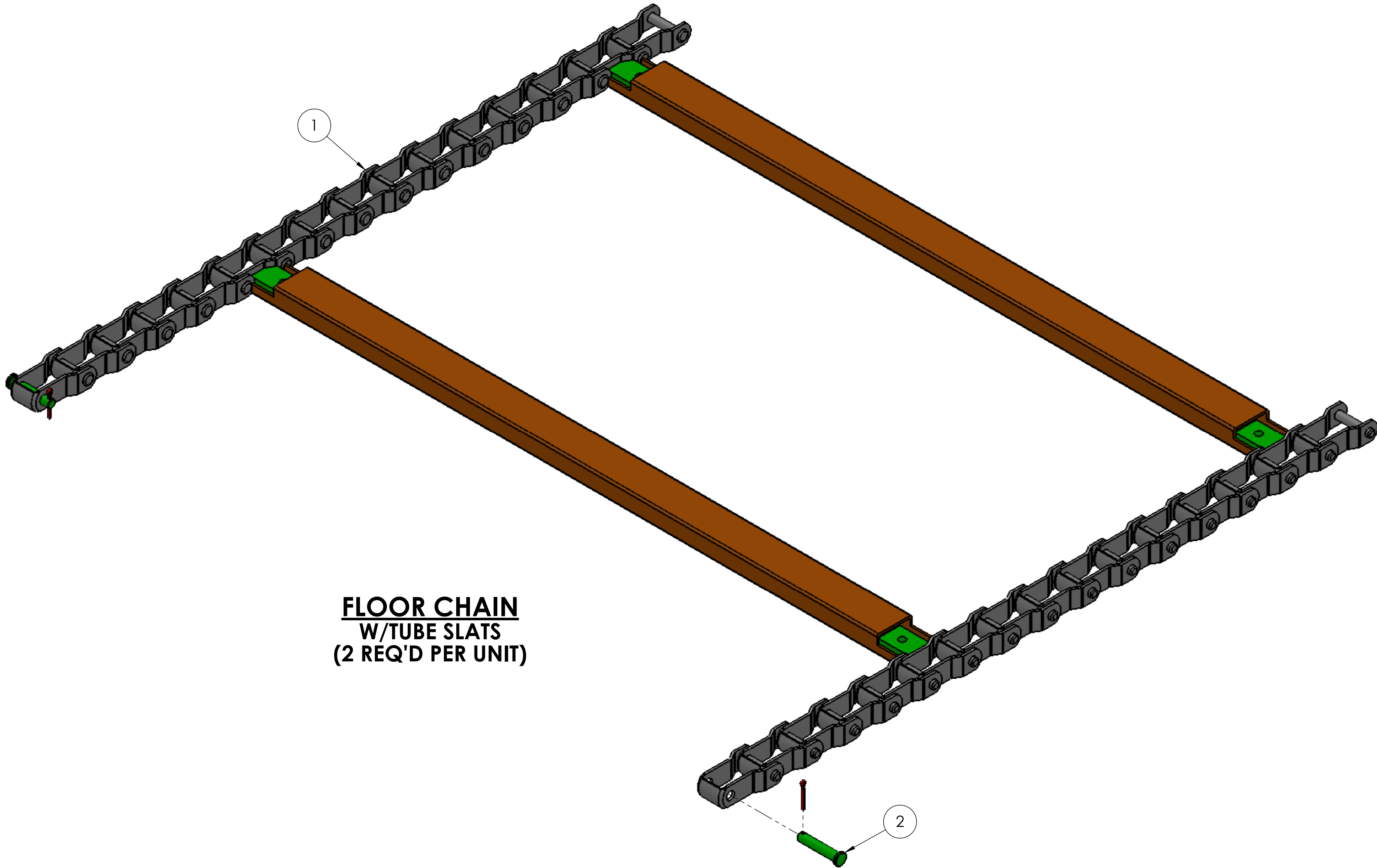
NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
JOB #:		MATERIAL: SEE BOM		DESCRIPTION CHAIN, FLOOR, 7 FT WIDE UNIT	
DRAWN BY: 11-17-16		NAME: MCCLURE		FINISH:	
CHECKED BY:		VENDOR:		SCALE: 5:14	
APPROVED BY:		VENDOR P/N:		WEIGHT: 23,850 lbs	
SIZE: C		PART NUMBER: FW-016		REV.:	
				SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	27126	FLOOR CHAIN, D667KC
2	2	6886	D667KC CHAIN - PIN & KEY



**FLOOR CHAIN
W/TUBE SLATS
(2 REQ'D PER UNIT)**

NOTES: UNLESS OTHERWISE SPECIFIED
1 - THIS FLOOR CHAIN IS FOR A 7 FT - 6 IN x 22 FT UNIT.

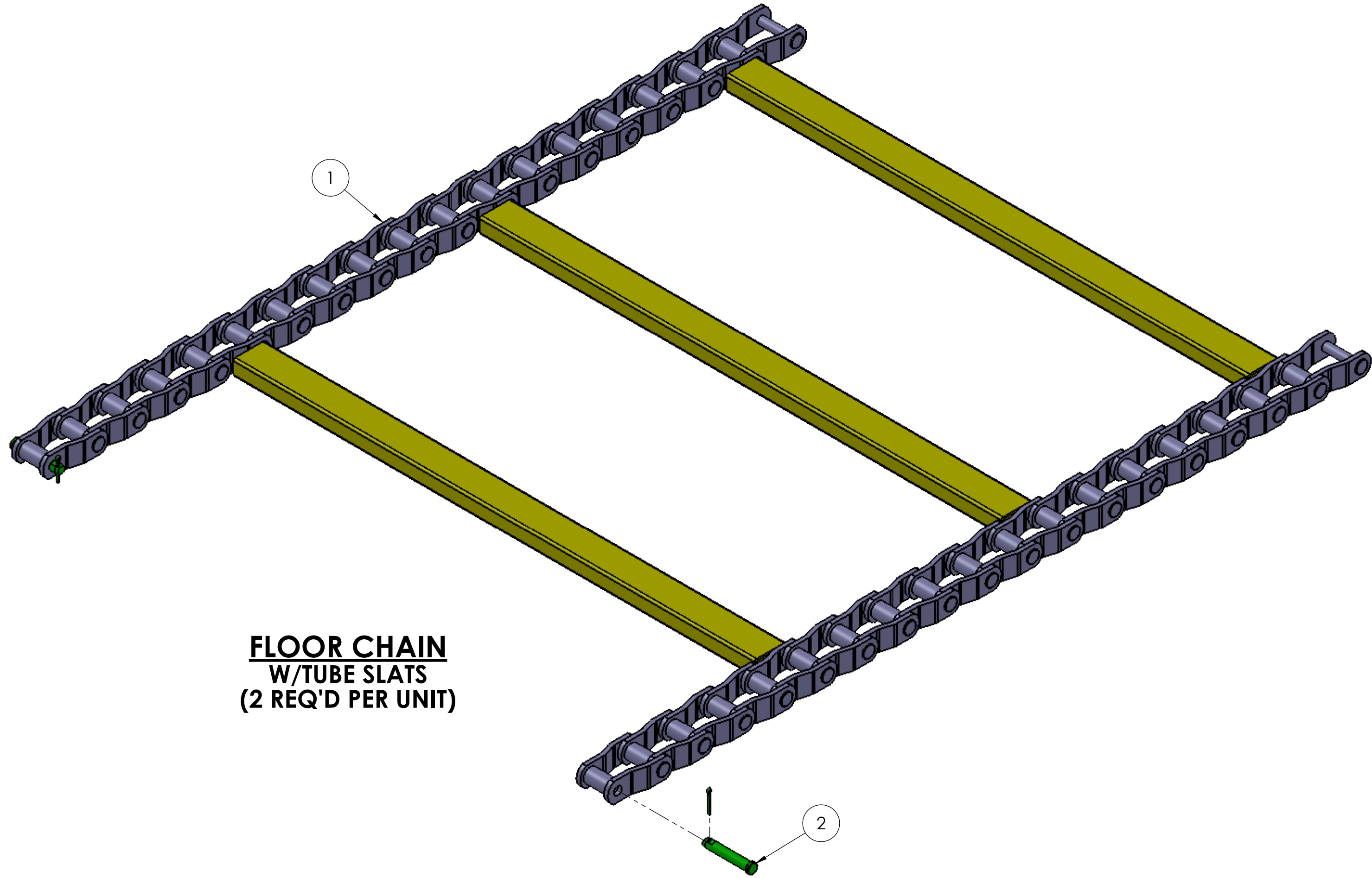
**NOTE: UNIT SERIAL # NEEDED
FOR ALL PART ORDERS**

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 TOLERANCES:
 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
DRAWN BY: 11-17-16		NAME: MCCLURE		DESCRIPTION: CHAIN, FLOOR, 7 FT-6 IN WIDE UNIT	
CHECKED BY:		VENDOR:		SIZE: C	PART NUMBER: FW-017
APPROVED BY:		VENDOR P/N:		SCALE: 5:14	WEIGHT: 24,637 lbs
				REV: -	
				SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	29353	FLOOR CHAIN, WR78
2	2	WR78-PIN	WR78 CHAIN - PIN & KEY



**FLOOR CHAIN
W/TUBE SLATS
(2 REQ'D PER UNIT)**

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 - THIS FLOOR CHAIN IS FOR A 7 FT x 20 FT UNIT.
- 2 - CHAIN TYPE IS WR78 CHAIN.

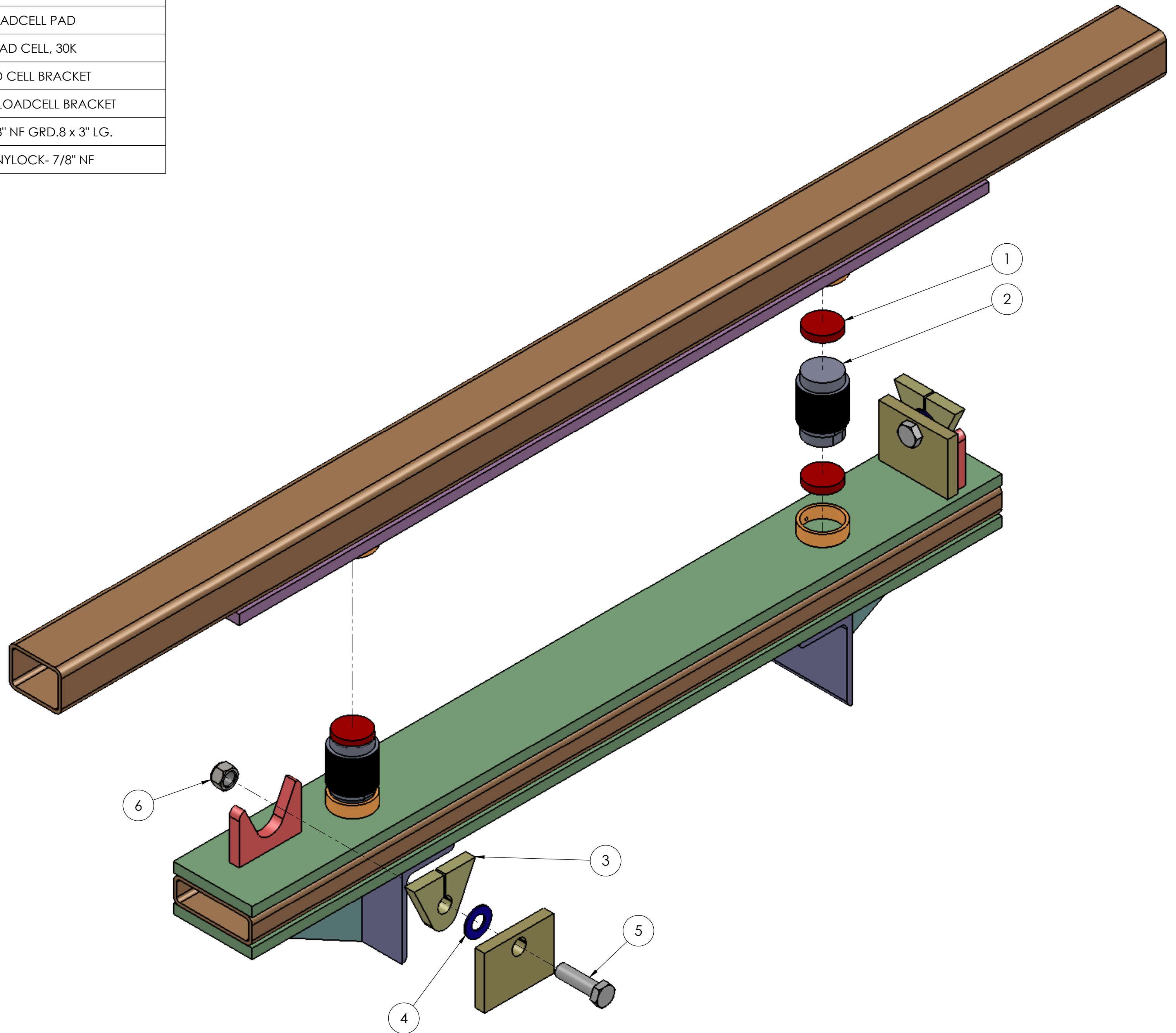
**NOTE: UNIT SERIAL # NEEDED
FOR ALL PART ORDERS**

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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

Notes:			Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941		
			JOB #: MATERIAL: SEE BOM MATERIAL P/N:		
DRAWN BY: 11-17-16 CHECKED BY: APPROVED BY:	DATE: 11-17-16 NAME: MCCLURE	FINISH: VENDOR: VENDOR P/N:	SIZE: C SCALE: 1:4	PART NUMBER: FW-018 WEIGHT: 51.762 lbs	REV.: SHEET 1 OF 1

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	4	5332	LOADCELL PAD
2	2	5297	LOAD CELL, 30K
3	2	22067	LOAD CELL BRACKET
4	2	21257	SPACER, LOADCELL BRACKET
5	2	10762	BOLT- 7/8" NF GRD.8 x 3" LG.
6	2	10742	NUT, NYLOCK- 7/8" NF



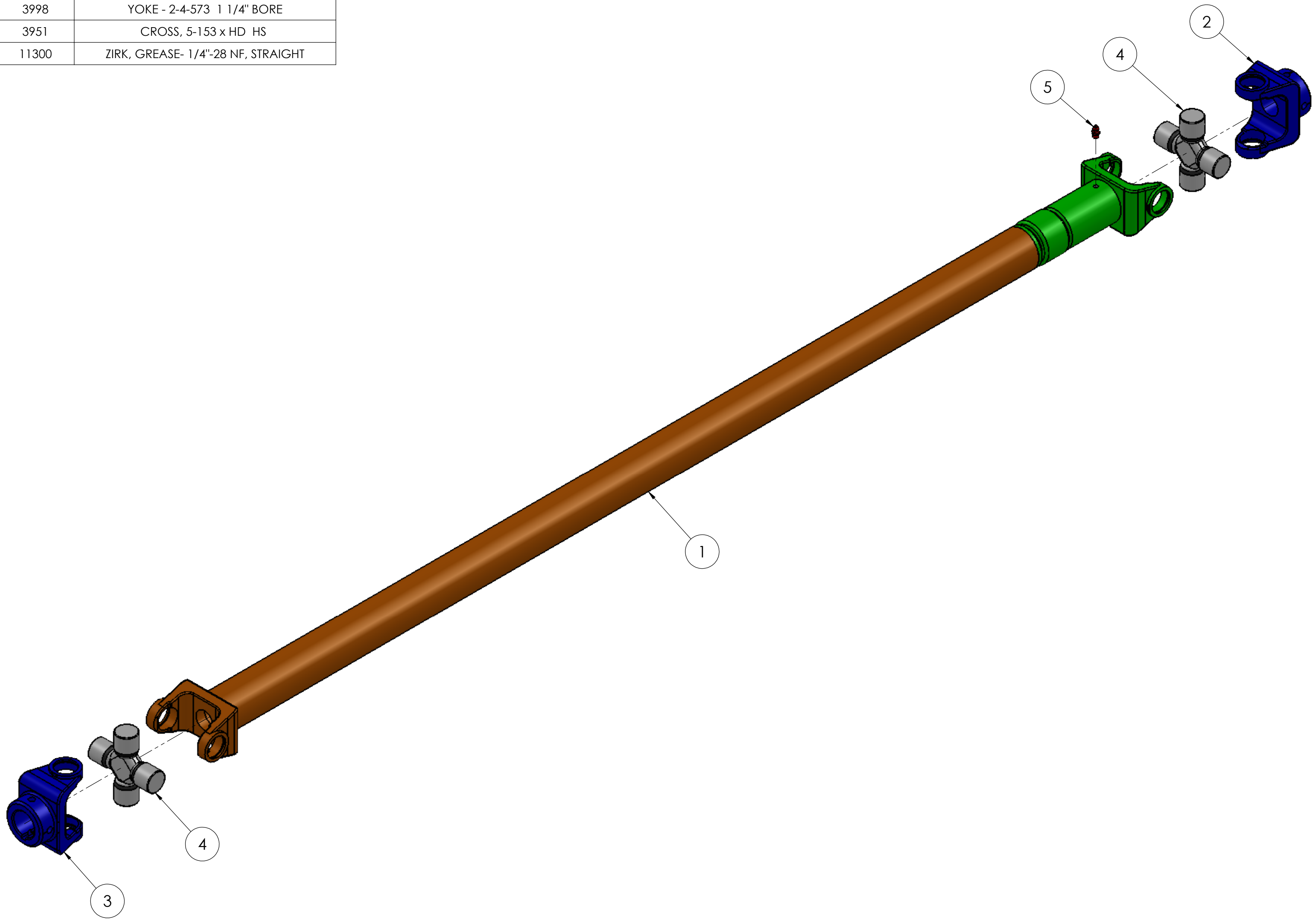
NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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 TOLERANCES:
 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:			Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
			JOB #:		DESCRIPTION	
			MATERIAL: SEE BOM		LOAD CELLS & BRACKETS	
			MATERIAL P/N:		SIZE PART NUMBER	
DRAWN BY: 10-11-16			NAME: MCCLURE		C FW-019	
CHECKED BY:			VENDOR:		REV. -	
APPROVED BY:			VENDOR P/N:		SCALE: 1:4 WEIGHT: 374.860 lbs SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	4048	DRIVE LINE, P.T.O.
2	1	4001	YOKE - 2-4-473 1" BORE
3	1	3998	YOKE - 2-4-573 1 1/4" BORE
4	2	3951	CROSS, 5-153 x HD HS
5	1	11300	ZIRK, GREASE- 1/4"-28 NF, STRAIGHT



NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

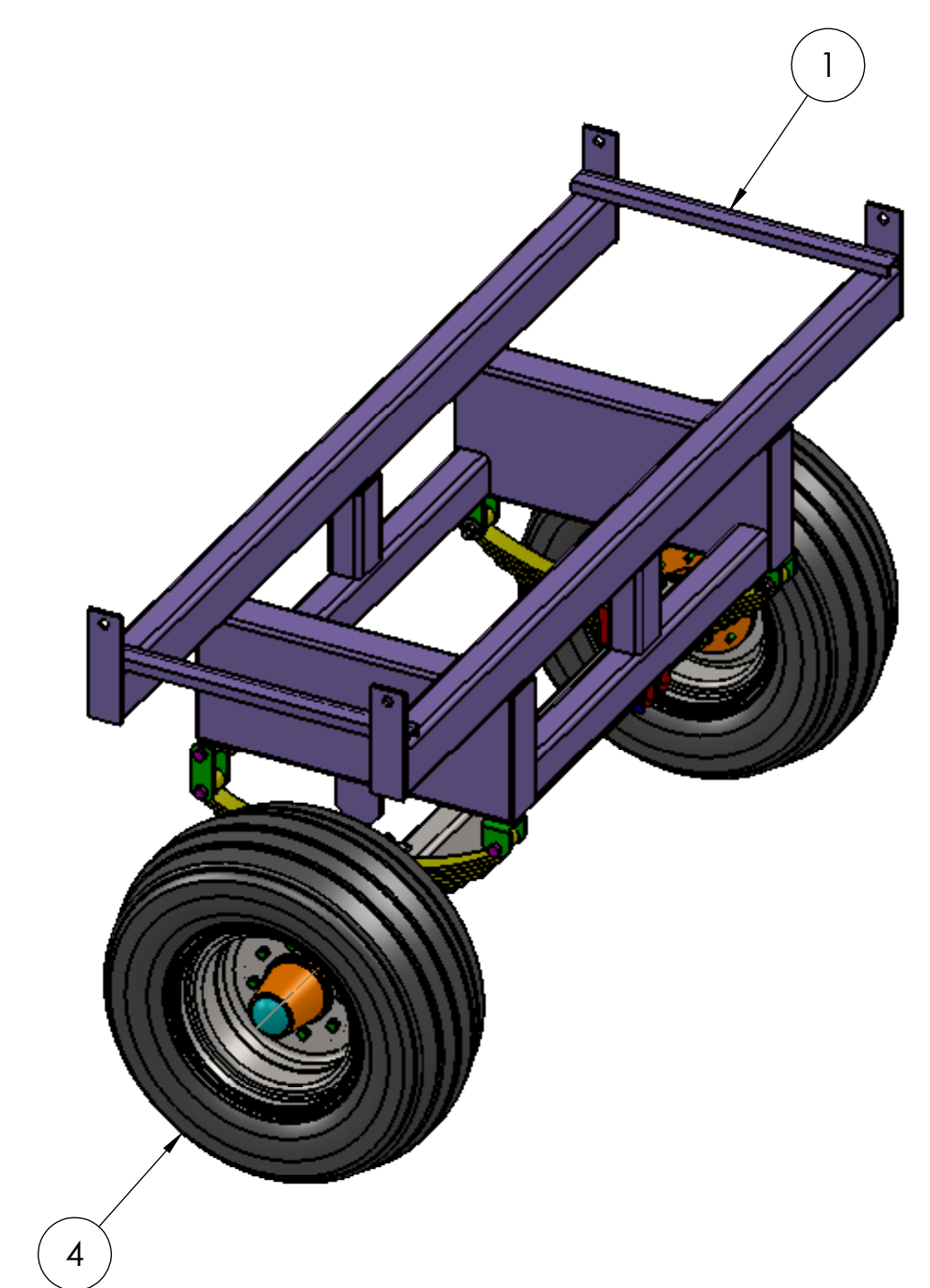
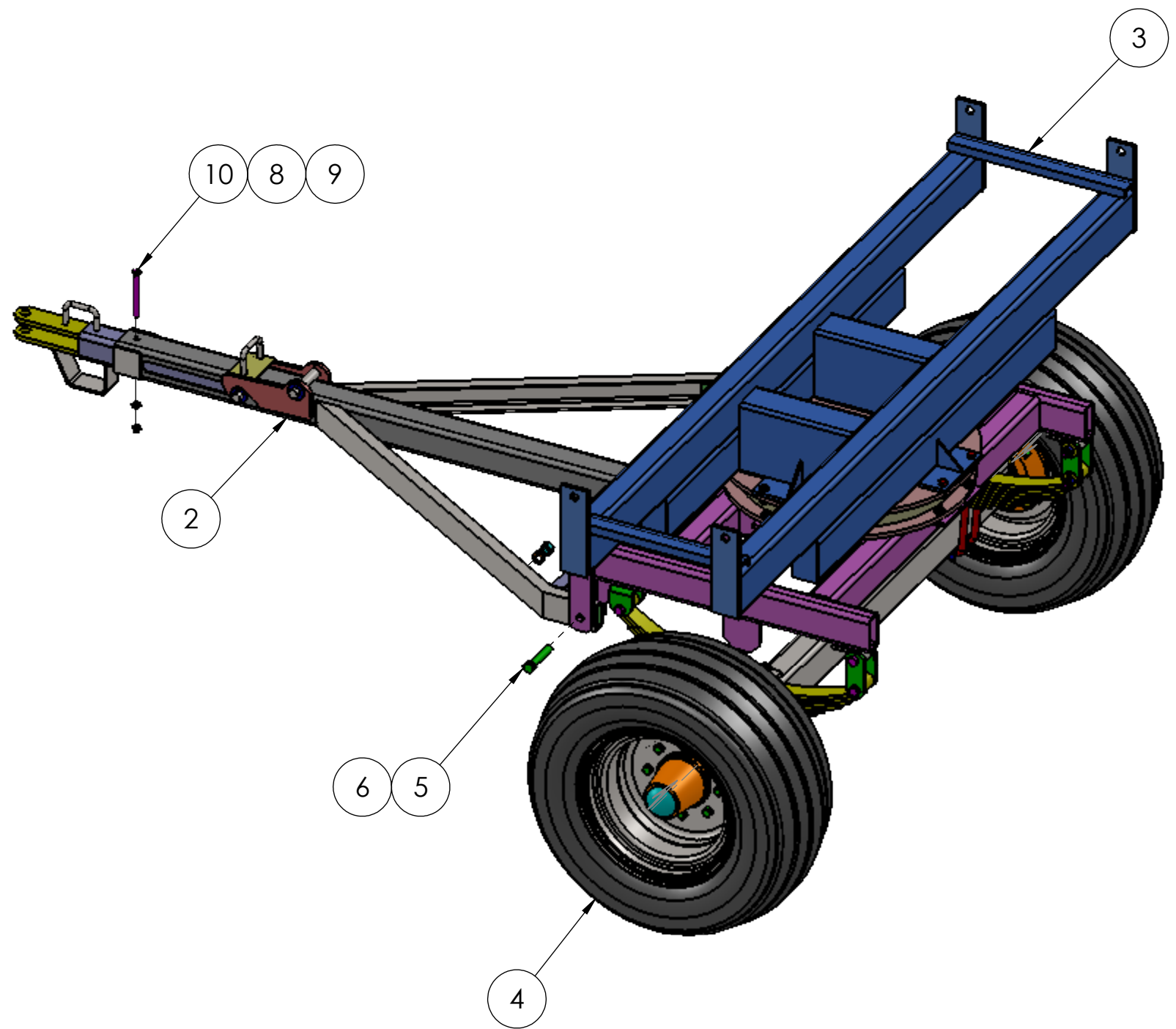
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 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:			Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941		
			JOB #: MATERIAL: SEE BOM MATERIAL P/N:		
DRIVEN BY:	DATE: 10-10-16	NAME: MCCLURE	FINISH:	DESCRIPTION: DRIVE LINE, HEAVY DUTY P.T.O.	
CHECKED BY:			VENDOR:	SIZE: C	PART NUMBER: FW-020
APPROVED BY:			VENDOR P/N:	SCALE: 1:3	WEIGHT: 20.570 lbs
					REV: -
					SHEET 1 OF 1

8 7 6 5 4 3 2 1


ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	29023	RUNNING GEAR, REAR
2	1	29018	HITCH
3	1	29022	RUNNING GEAR, FRONT, TURNTABLE
4	2	29025	AXLE ASSEMBLY
5	2	10686	BOLT, 3/4" NC GR-5 x 4" LG.
6	2	10658	WASHER, LOCK- 3/4"
7	2	10650	NUT 3/4" NC
8	1	10398	WASHER, LOCK- 1/2"
9	1	10390	NUT 1/2" NC
10	1	10475	BOLT- 1/2" NC GRD.5 x 5" LG.



NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

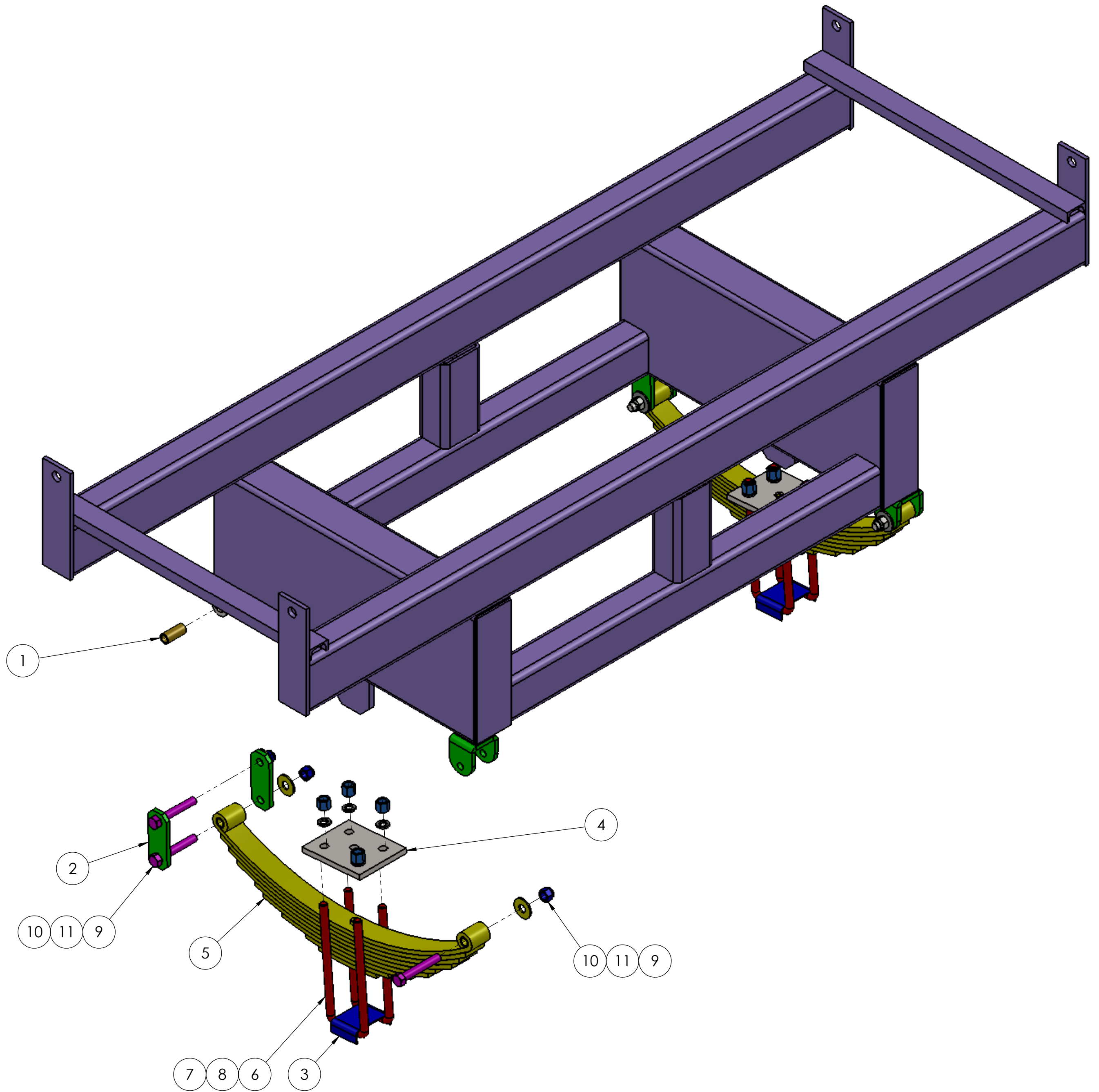
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 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
DRAWN BY: 1-13-17		NAME: MCCLURE		DESCRIPTION: TRAILER W/TURNTABLE	
DESIGNED BY: 1-13-17		FINISH:		SIZE: C	
APPROVED BY:		VENDOR:		PART NUMBER: FW-021A	
		VENDOR P/N:		SCALE: 1:14 WEIGHT: 9174.399 lbs SHEET 1 OF 1	

8 7 6 5 4 3 2 1

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	5870	BUSHING, BRONZE
2	4	26039	PLATE, SPRING SHACKLE LINK
3	2	26045	U-BOLT ALIGNMENT PLATE
4	2	26049	U-BOLT PLATE - 5 HOLE
5	2	5725	SPRING, X HD, 9-LEAF
6	4	5888	U-BOLT- 3" SQ.
7	8	5890	NUT, HIGH/LONG- 5/8" NF
8	8	10553	WASHER- 5/8" LOCK
9	6	10592	BOLT- 5/8" NC GR8 x 4" LG.
10	6	10556	NUT, NYLOCK- 5/8" NC
11	6	10552	WASHER, FLAT- 5/8"




NOTES: UNLESS OTHERWISE SPECIFIED

1 - FOR COMPLETE SUB-ASSEMBLY, USE PART NO. 29023.

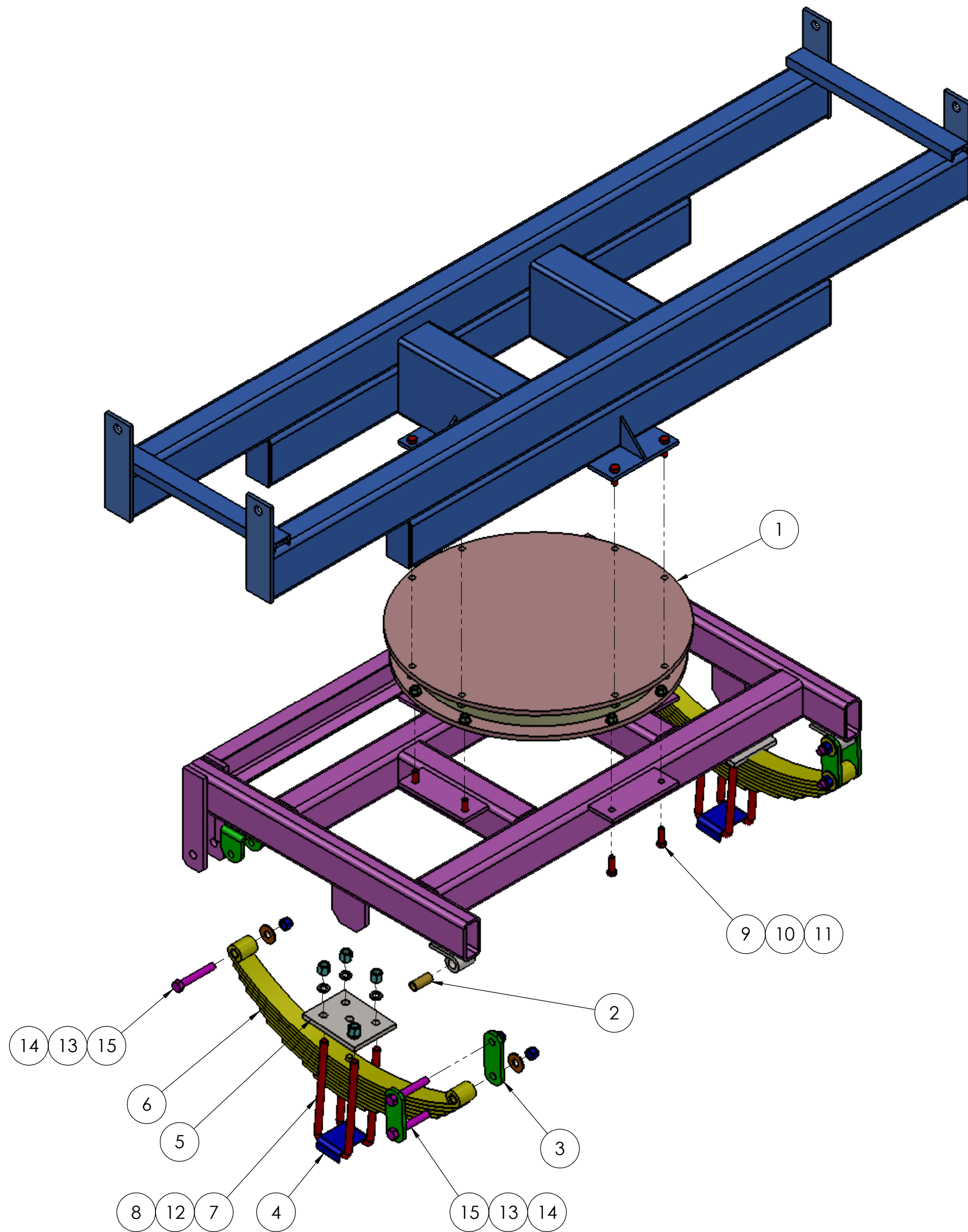
NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941		 DESCRIPTION RUNNING GEAR, REAR	
		MATERIAL: SEE BOM			
JOB #:		DATE	NAME	MATERIAL P/N:	
DRAWN BY:	1-16-17		MCCLURE	FINISH:	
DESIGNED BY:	1-16-17			VENDOR:	
APPROVED BY:				VENDOR P/N:	
SIZE	C	PART NUMBER	FW-021B	REV.	-
SCALE:	1:6	WEIGHT:	492.402 lbs	SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	7859	TURN TABLE, BALL BEARING
2	2	5870	BUSHING, BRONZE
3	4	26039	PLATE, SPRING SHACKLE LINK
4	2	26045	U-BOLT ALIGNMENT PLATE
5	2	26049	U-BOLT PLATE - 5 HOLE
6	2	5725	SPRING, X HD, 9-LEAF
7	4	5888	U-BOLT- 3" SQ.
8	8	5890	NUT, HIGH/LONG- 5/8" NF
9	16	10411	BOLT- 1/2" NC GRD.5 x 1 1/2" LG.
10	16	10398	WASHER, LOCK- 1/2"
11	16	10390	NUT 1/2" NC
12	8	10553	WASHER- 5/8" LOCK
13	6	10552	WASHER, FLAT- 5/8"
14	6	10556	NUT, NYLOCK- 5/8" NC
15	6	10592	BOLT- 5/8" NC GR8 x 4" LG.




NOTES: UNLESS OTHERWISE SPECIFIED

1 - FOR COMPLETE SUB-ASSEMBLY, USE PART NO. 29022.

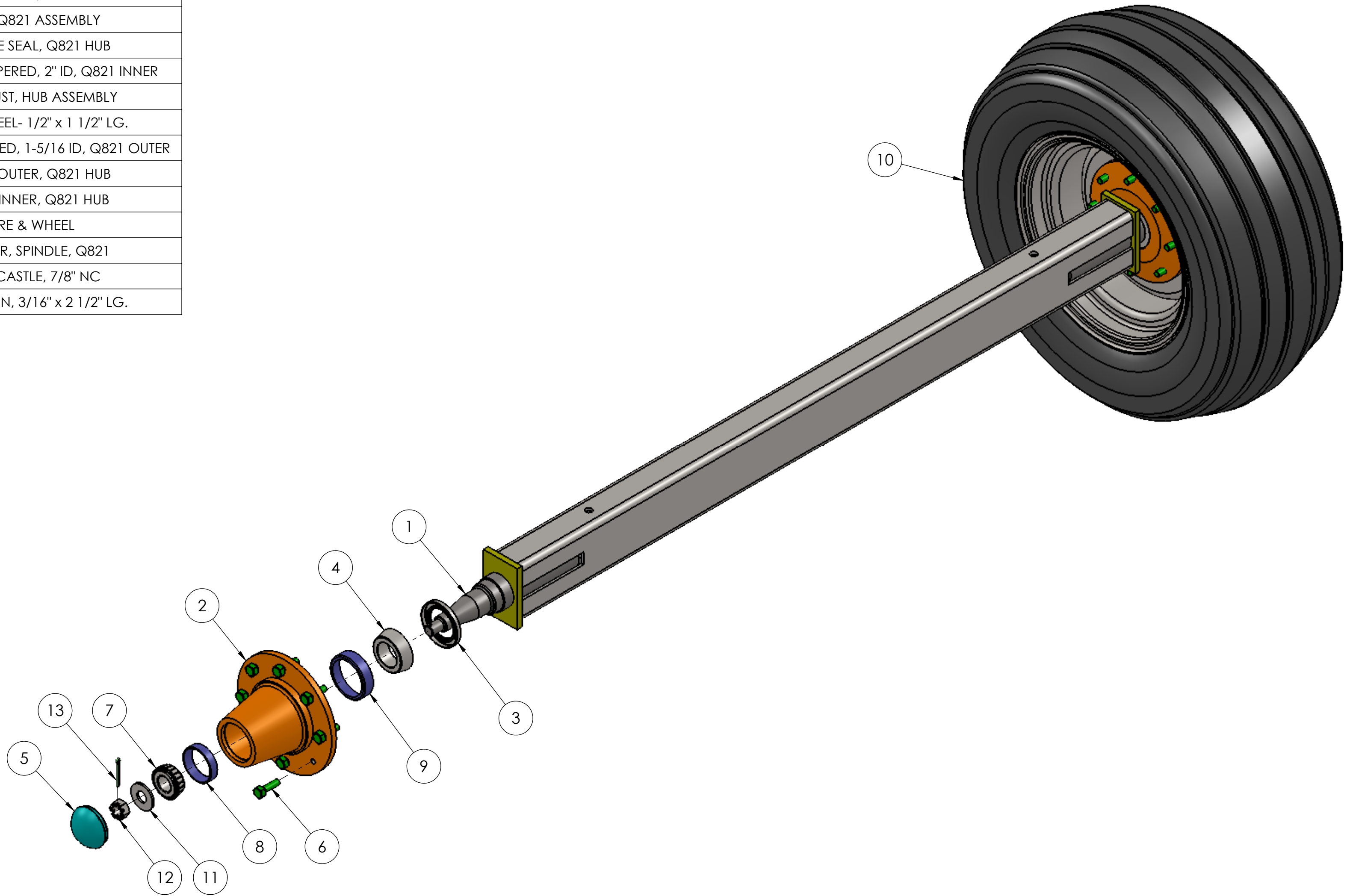
NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941		 DESCRIPTION RUNNING GEAR, FRONT, W/TURNABLE	
JOB #:		MATERIAL: SEE BOM			
DRAWN BY:	DATE	NAME	MATERIAL P/N:	FINISH:	SIZE
DESIGNED BY:					C
APPROVED BY:			VENDOR:		PART NUMBER
			VENDOR P/N:		FW-021C
		SCALE: 1:8	WEIGHT: 1103.186 lbs	REV. -	
				SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	6227	SPINDLE, Q821
2	2	SEE NOTE-2	HUB, Q821 ASSEMBLY
3	2	6236	GREASE SEAL, Q821 HUB
4	2	6233	BEARING, TAPPERED, 2" ID, Q821 INNER
5	2	6235	CAP, DUST, HUB ASSEMBLY
6	16	6234	BOLT, WHEEL- 1/2" x 1 1/2" LG.
7	2	6231	BEARING, TAPERED, 1-5/16 ID, Q821 OUTER
8	2	6230	RACE, OUTER, Q821 HUB
9	2	6232	RACE, INNER, Q821 HUB
10	2	6425	TIRE & WHEEL
11	2	6062	WASHER, SPINDLE, Q821
12	2	6061	NUT, CASTLE, 7/8" NC
13	2	11215	COTTER PIN, 3/16" x 2 1/2" LG.




NOTES: UNLESS OTHERWISE SPECIFIED

- 1 - FOR COMPLETE AXLE ASSEMBLY, USE PART NO. 29025.
- 2 - FOR HUB ASSEMBLY, USE PART NO. 6225, PARTS INCLUDED ARE HUB, BEARINGS, RACES, SEAL, WHEEL BOLTS, AND DUST CAP.

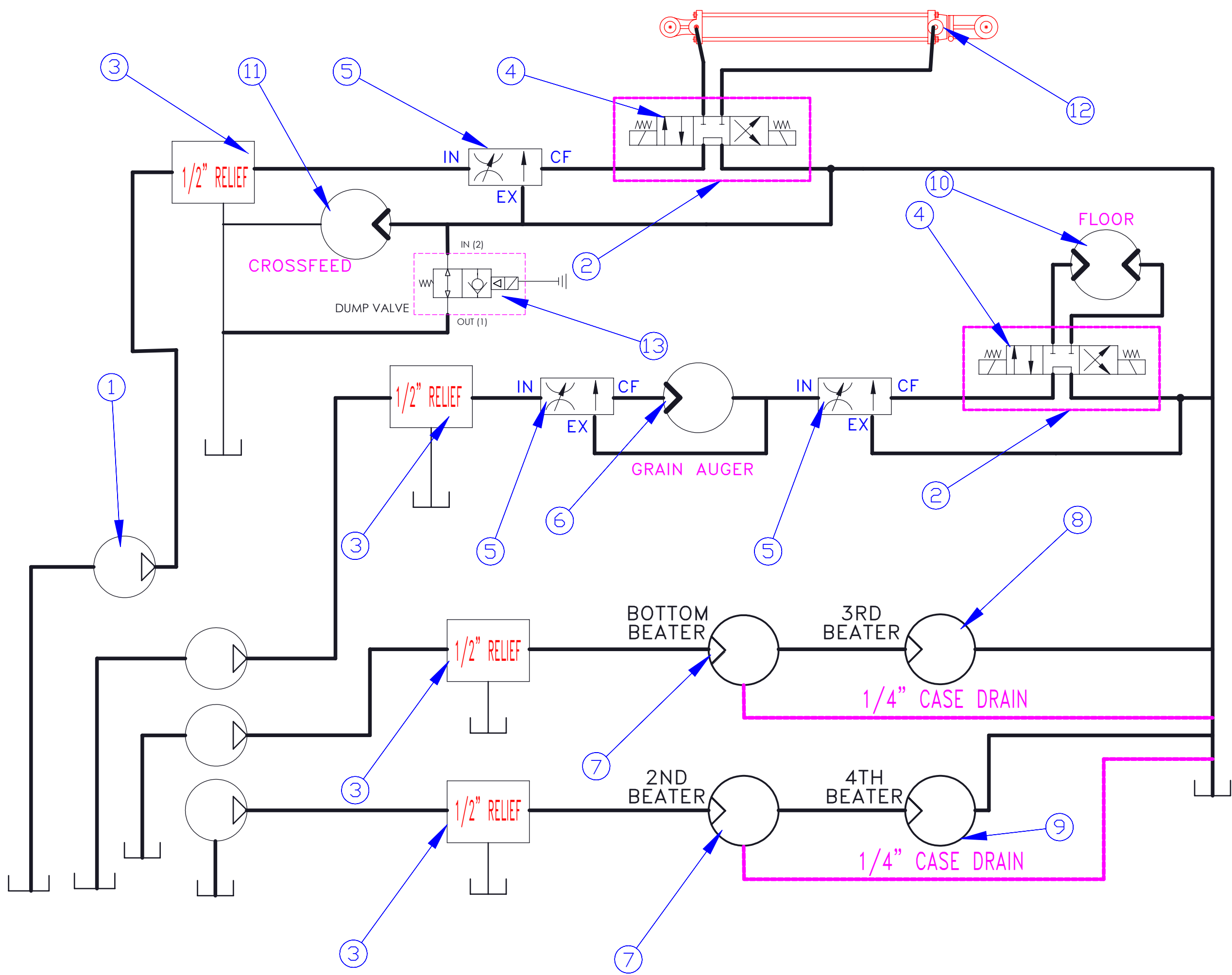
NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
DRAWN BY: 1-16-17		NAME: MCCLURE		DESCRIPTION: AXLE ASSEMBLY	
DESIGNED BY:		VENDOR:		SIZE: C	
APPROVED BY:		VENDOR P/N:		PART NUMBER: FW-021D	
				SCALE: 1:6	
				WEIGHT: 3719.329 lbs	
				SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	7882	PUMP, HYDRAULIC, 4-SECTION
2	2	8071	VALVE BLOCK SUB-PLATE
3	4	8074/7892	VALVE, FEC BODY / REPC
4	2	7894	VALVE, 4-WAY SOLENOID
5	3	8055	VALVE, FLOW CONTROL
6	1	7965	MOTOR, HYDRAULIC
7	2	7974	MOTOR, HYDRAULIC
8	1	7959	MOTOR, HYDRAULIC
9	1	7939	MOTOR, HYDRAULIC
10	1	7977	MOTOR, HYDRAULIC
11	1	7913	MOTOR, HYDRAULIC
12	1	7935	CYLINDER, HYDRAULIC, 2" x 24" STROKE
13	1	8993	VALVE, 2-WAY DUMP



NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

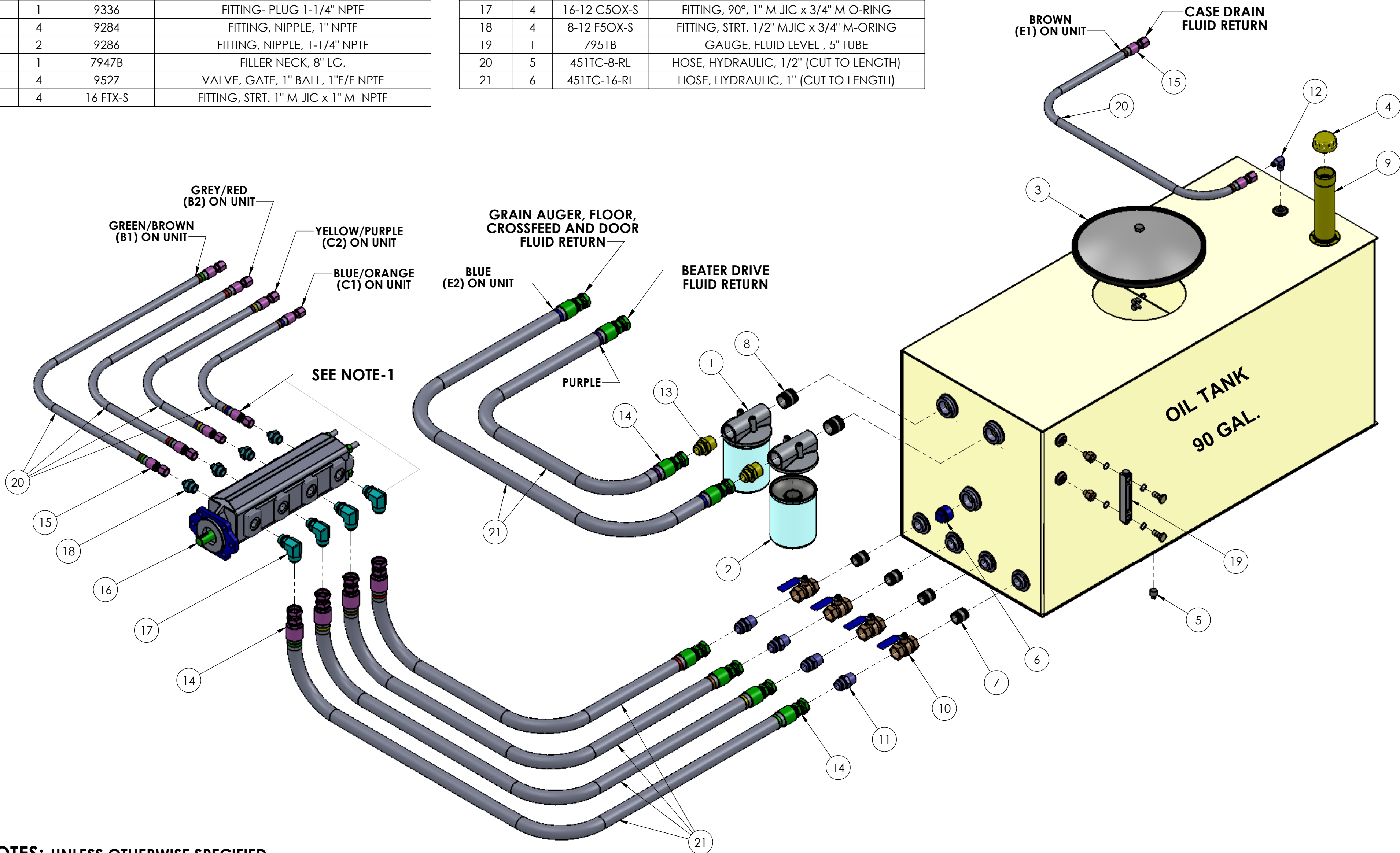
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 TOLERANCES:
 FRACTIONAL: ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
DRAWN BY: JMC		DATE: 11-23-16		DESCRIPTION: SCHEMATIC, ALL-HYDRAULIC,	
CHECKED BY:		NAME: JMC		SIZE: C	
APPROVED BY:		FINISH:		PART NUMBER: FW-022	
		VENDOR:		REV.:	
		VENDOR P/N:		SCALE: 1:1	
				WEIGHT: lbs	
				SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	7949	FILTER HEAD, 1 1/4" SCREW-ON
2	2	7950	FILTER ELEMENT, 1 1/4" SCREW-ON
3	1	7961	TANK LID, HYDRAULIC
4	1	7947	CAP FILLER/BREATHER
5	1	9334	PLUG, 3/4" NPTF
6	1	9336	FITTING- PLUG 1-1/4" NPTF
7	4	9284	FITTING, NIPPLE, 1" NPTF
8	2	9286	FITTING, NIPPLE, 1-1/4" NPTF
9	1	7947B	FILLER NECK, 8" LG.
10	4	9527	VALVE, GATE, 1" BALL, 1" F/F NPTF
11	4	16 FTX-S	FITTING, STRT. 1" M JIC x 1" M NPTF

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
12	1	8-8 CTX-S	FITTING, 90°, 1/2" M JIC x 1/2" M NPTF
13	2	16-20 FTX-S	FITTING, STR. 1" MJIC x 1-1/4" MNPTF
14	12	10643-16-16	HOSE END, STRT. 1" x 1" FM JIC , SWIVEL
15	10	10643-8-8	HOSE END, STRT. 1/2" FM JIC, SWIVEL
16	1	7882	PUMP, HYD. 4-SECTION PORT
17	4	16-12 C5OX-S	FITTING, 90°, 1" M JIC x 3/4" M O-RING
18	4	8-12 F5OX-S	FITTING, STRT. 1/2" MJIC x 3/4" M-ORING
19	1	7951B	GAUGE, FLUID LEVEL , 5" TUBE
20	5	451TC-8-RL	HOSE, HYDRAULIC, 1/2" (CUT TO LENGTH)
21	6	451TC-16-RL	HOSE, HYDRAULIC, 1" (CUT TO LENGTH)



NOTES: UNLESS OTHERWISE SPECIFIED

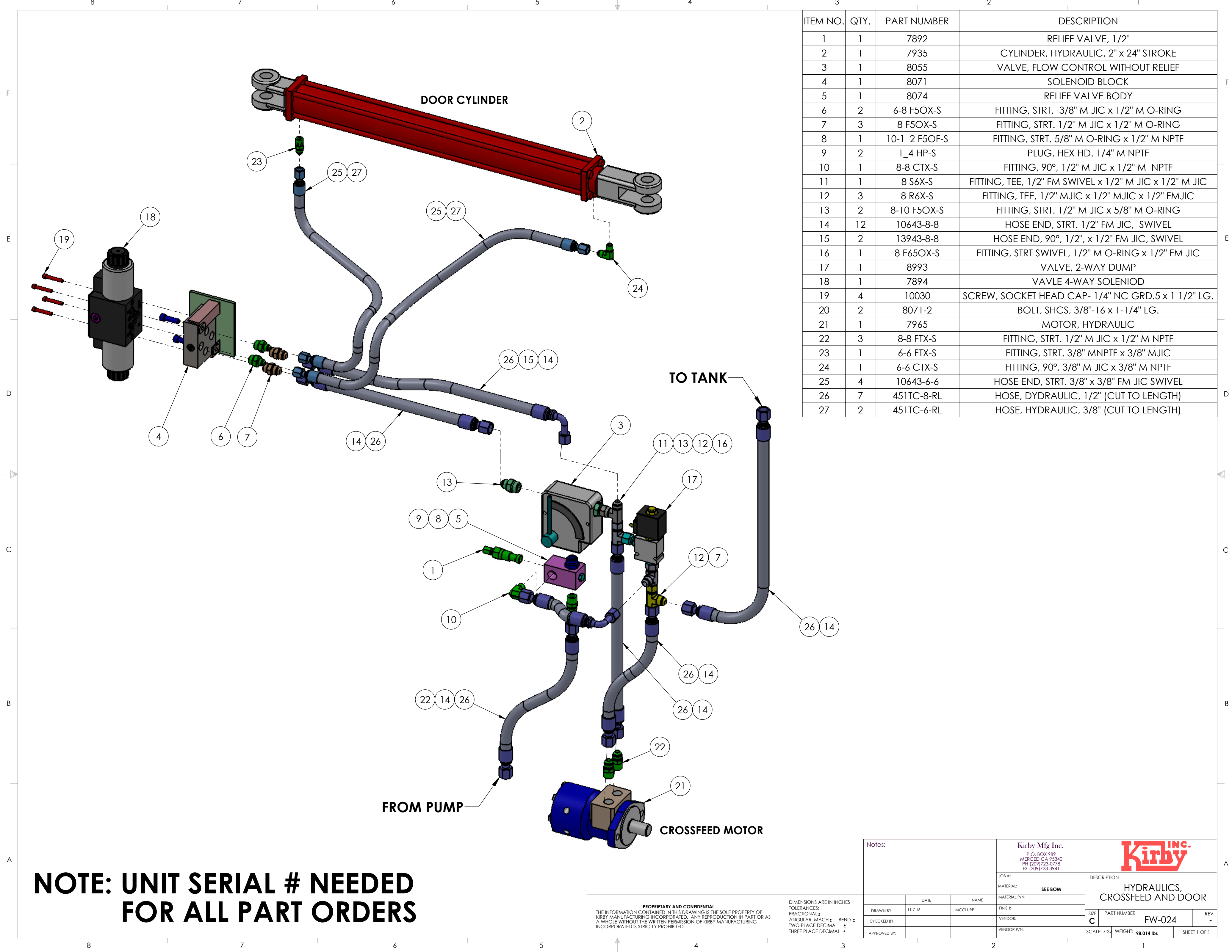
1 - THE PUMP IS SETUP FOR A PTO TURNING IN ENGINE ROTATION DIRECTION. IF PTO IS TURNING IN REVERSE DIRECTION, SWAP HOSES TO OPPOSITE SIDE OF PUMP.

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941				
		MATERIAL: SEE BOM				DESCRIPTION HYDRAULICS, TANK AND PUMP
DRAWN BY:	DATE	NAME	FINISH:	SIZE	PART NUMBER	REV.
CHECKED BY:				C	FW-023	-
APPROVED BY:				SCALE: 1:7.5	WEIGHT: 746.970 lbs	SHEET 1 OF 1



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	7892	RELIEF VALVE, 1/2"
2	1	7935	CYLINDER, HYDRAULIC, 2" x 24" STROKE
3	1	8055	VALVE, FLOW CONTROL WITHOUT RELIEF
4	1	8071	SOLENOID BLOCK
5	1	8074	RELIEF VALVE BODY
6	2	6-8 F5OX-S	FITTING, STRT. 3/8" M JIC x 1/2" M O-RING
7	3	8 F5OX-S	FITTING, STRT. 1/2" M JIC x 1/2" M O-RING
8	1	10-1_2 F5OF-S	FITTING, STRT. 5/8" M O-RING x 1/2" M NPTF
9	2	1_4 HP-S	PLUG, HEX HD. 1/4" M NPTF
10	1	8-8 CTX-S	FITTING, 90°, 1/2" M JIC x 1/2" M NPTF
11	1	8 S6X-S	FITTING, TEE, 1/2" FM SWIVEL x 1/2" M JIC x 1/2" M JIC
12	3	8 R6X-S	FITTING, TEE, 1/2" MJIC x 1/2" MJIC x 1/2" FMJIC
13	2	8-10 F5OX-S	FITTING, STRT. 1/2" M JIC x 5/8" M O-RING
14	12	10643-8-8	HOSE END, STRT. 1/2" FM JIC, SWIVEL
15	2	13943-8-8	HOSE END, 90°, 1/2", x 1/2" FM JIC, SWIVEL
16	1	8 F65OX-S	FITTING, STRT SWIVEL, 1/2" M O-RING x 1/2" FM JIC
17	1	8993	VALVE, 2-WAY DUMP
18	1	7894	VAVLE 4-WAY SOLENIOD
19	4	10030	SCREW, SOCKET HEAD CAP- 1/4" NC GRD.5 x 1 1/2" LG.
20	2	8071-2	BOLT, SHCS, 3/8"-16 x 1-1/4" LG.
21	1	7965	MOTOR, HYDRAULIC
22	3	8-8 FTX-S	FITTING, STRT. 1/2" M JIC x 1/2" M NPTF
23	1	6-6 FTX-S	FITTING, STRT. 3/8" MNPTF x 3/8" MJIC
24	1	6-6 CTX-S	FITTING, 90°, 3/8" M JIC x 3/8" M NPTF
25	4	10643-6-6	HOSE END, STRT. 3/8" x 3/8" FM JIC SWIVEL
26	7	451TC-8-RL	HOSE, DYDRAULIC, 1/2" (CUT TO LENGTH)
27	2	451TC-6-RL	HOSE, HYDRAULIC, 3/8" (CUT TO LENGTH)

NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

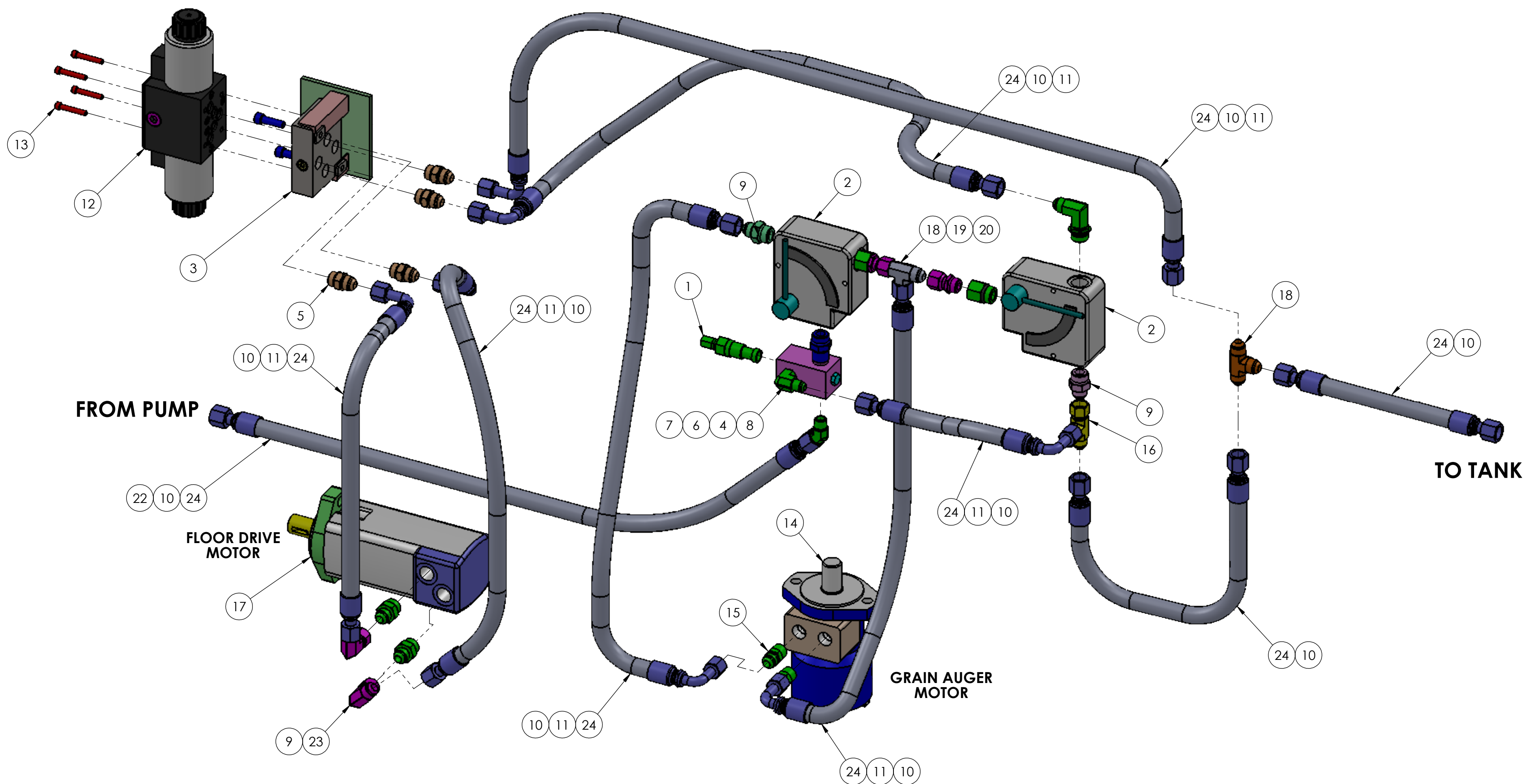
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 TOLERANCES:
 FRACTIONAL: ±
 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		MATERIAL: SEE BOM			
DRAWN BY: 11-7-16		NAME: MCCLURE		DESCRIPTION: HYDRAULICS, CROSSFEED AND DOOR	
CHECKED BY:		VENDOR:		SIZE: C	
APPROVED BY:		VENDOR P/N:		PART NUMBER: FW-024	
				SCALE: 7:32 WEIGHT: 98.014 lbs SHEET 1 OF 1	

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	7892	RELIEF VALVE, 1/2"
2	2	8055	VALVE, FLOW CONTROL WITHOUT RELIEF
3	1	8071	SOLENOID BLOCK
4	1	8074	RELIEF VALVE BODY
5	4	8 F5OX-S	FITTING, STRT. 1/2" M JIC x 1/2" M O-RING
6	1	10-1_2 F5OF-S	FITTING, STRT. 5/8" M O-RING x 1/2" M NPTF
7	2	1_4 HP-S	PLUG, HEX HD. 1/4" M NPTF
8	1	8-8 CTX-S	FITTING, 90°, 1/2" M JIC x 1/2" M NPTF
9	4	8-10 F5OX-S	FITTING, STRT. 1/2" M JIC x 5/8" M O-RING
10	13	10643-8-8	HOSE END, STRT. 1/2" FM JIC, SWIVEL
11	7	13943-8-8	HOSE END, 90°, 1/2", x 1/2" FM JIC, SWIVEL
12	1	7894	VAVLE 4-WAY SOLENIOD

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
13	4	10030	SCREW, SOCKET HEAD, 1/4" NC x 1 1/2" LG.
14	1	7965	MOTOR, HYDRAULIC
15	2	8-8 FTX-S	FITTING, STRT. 1/2" M JIC x 1/2" M NPTF
16	1	8 R6X-S	FITTING, TEE, 1/2" MJIC x 1/2" MJIC x 1/2" FMJIC
17	1	7977	MOTOR, HYDRAULIC
18	2	8 JTX-S	FITTING- 1/2" MJIC UNION TEE
19	2	8 F65OX-S	FITTING, STRT SWIVEL, 1/2" M O-RING x 1/2" FM JIC
20	2	10-8 F5OG5-S	FITTING, STRT. 5/8" M O-RING x 1/2" FM O-RING
21	1	8-10 C5OX-S	FITTING, 90° 1/2" MJIC x 5/8" M O-RING
22	1	8-8 VTX-S	FITTING, 45° ELBOW, 1/2" M JIC x 1/2" M NPTF
23	2	8 C6X-S	FITTING, 90° SWIVEL, 1/2" M JIC x 1/2" FM JIC
24	9	451TC-8-RL	HOSE, HYDRAULIC, 1/2" (CUT TO LENGTH)



NOTE: UNIT SERIAL # NEEDED FOR ALL PART ORDERS

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 ANGULAR: MACH ± BEND ±
 TWO PLACE DECIMAL ±
 THREE PLACE DECIMAL ±

Notes:		Kirby Mfg Inc. P.O. BOX 989 MERCED CA 95340 PH (209)723-0778 FX (209)723-3941			
		JOB #: MATERIAL: SEE BOM MATERIAL P/N:			
DESCRIPTION	HYDRAULICS, GRAIN AUGER AND FLOOR				
SIZE	C	PART NUMBER	FW-025	REV.	
SCALE:	1:4	WEIGHT:	133.540 lbs	SHEET 1 OF 1	