KLR **2600**

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MADE IN CANADA

DEPUIS/SINCE
1977

Contents

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ANNEX #1 - EXPLODED VIEWS

ANNEX #2 ELECTRICAL PLANS

NOTES:

IDENTIFICATION

The product brand and type designation

KLR.2600

Rotary slicer

Version of product

Serial number: located on the infeed conveyor close to the control panel.

Name and contact of the manufacturer

KLR SYSTEMS INC.

944 Heron Street

SAINT-PIE, QUEBEC, CANADA

J0H 1W0

450-388-0404

Declaration of conformity with standards of products

Standard: CE

CE

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PRODUCT SPECIFICATION

Range intended use and general functions

Slicer consist of two circular blades turning on opposite directions 2-3 mm apart one from the other and two conveyor belts (top and bottom). Those two superposed belts squeeze the product and feed it to the blade. Resulting of a product with two laterals cuts with not sliced section of 2-3 mm keeping both parts together for easier manipulation on the packaging process.

Dimensions (for transport)

Height: 72 inches

Length: 92 inches

Width: 32 inches

Power for electricity and air data

230 volts, 3 phase, 17 amps

no air required

INSTALLATION

To be checked before installation

- Check proper voltage before turning ON the power of the machine;
- Check if all legs are level and stable on the floor;
- Make sure nothing else than bread product sitting on the belt;
- Adjust top belt 5 mm lower than the average product height to make sure the top belt holding the product;
- Check for proper belt tracking.

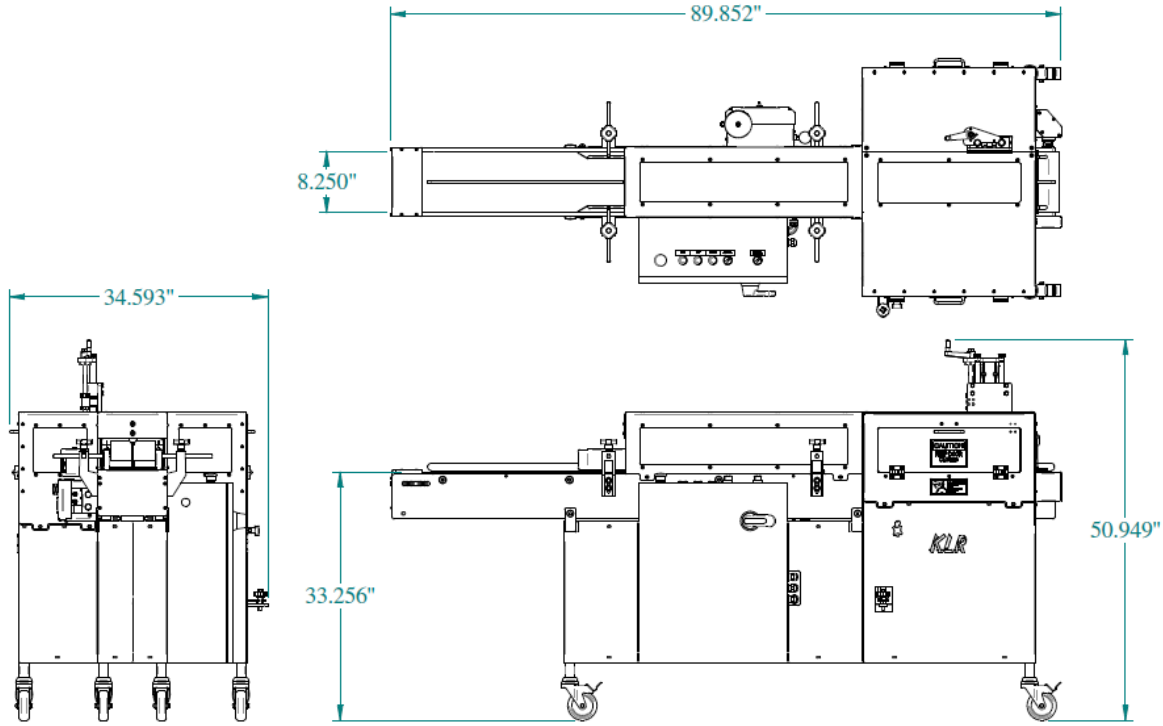
Procedure for unpacking

- Remove all red marked screws from the wood box;
- Remove all bolt from the legs;
- With a fork lift gently lift the machine from underneath the frame;
- Move back with the fork lift and lower the machine as low as possible when you are out from the wood box.

Requirements for fixing/anchoring and vibration damping

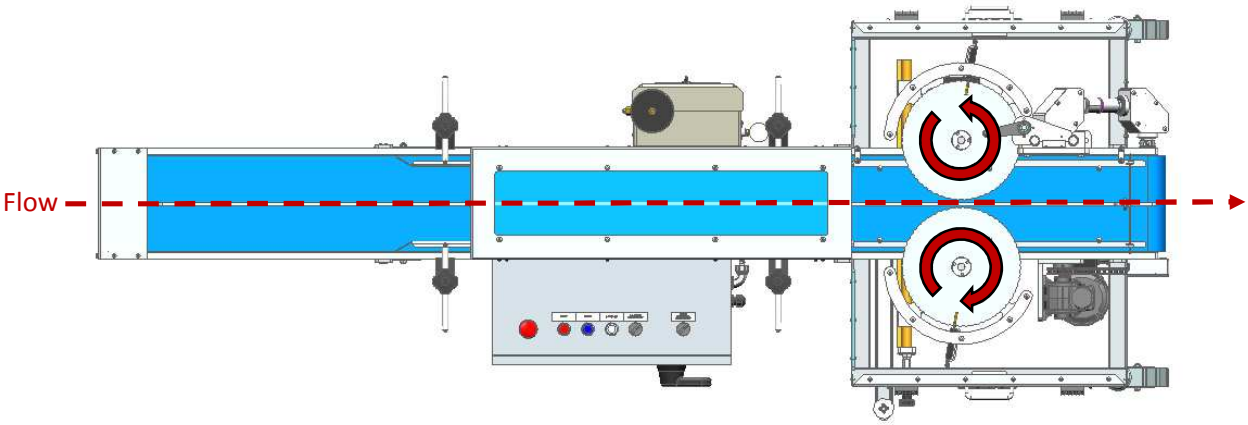
- When proper location is found, proceed with levelling the legs;
- Drill at least one hole in the floor for each leg using the proper hardware for your floor to hold the machine in place.

Minimum space required for use



Information required for the initial setup of the product.

- We must check if the blade rotates on the proper direction, blade must rotate to force the product to get out of the machine, see diagram below.



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Location of the instructions

Inside the control panel:

In the accompanying documentation (brochure or manual), or in an online documentation (CD-ROM, WEB, help system online)

In media accompaniment (sticker, computer program, and display)

OPERATION

This manual is intending to operator and maintenance staff how get train from a KLR representative or other staff already train by KLR

To start the machine

Every time operator wants to start the machine, or during running, he has opened a door or pressed the emergency stop, he would have to redo this sequence:

- Close all the covers and pull out the emergency stop.
- Then press the reset bottom. The red lights should turn off;
- Start the desired component.

Not sliced product

The option to stop the blade is only there in the eventuality the user wants to run not sliced products through the slicer and benefit of the lanner systems before or after the slicer. To do that, maintenance staff would need to remove the blades.

Sliced Product Adjustment

- Pressure belt height adjustment: Before slicing, adjust the top pressure belt to make sure enough pressure is applied on the product to maintain it on position during the slicing operation, it is suggested setting the top belt heights 3-4 mm lower than the average product thickness. (Clockwise goes upward.) See (1) on diagram below.
- Blade gap adjustment: Depending on the characteristics of the product, you may want to leave a bigger or a little hinge to maintain top and buttons of the product together. To do that operator must turn the knob clockwise for bigger gap. See (3) on diagram below.

- Blade height adjustment: The blade height could be adjusting to get the desired cut height. (Clockwise mean higher). See (2) on diagram below.

- Never overload the loading disc with the product, always try to keep an event flow of product to prevent jam.
- The machine is equipped with an ejector impeller. The purpose of this impeller is to return malign or superposed products to the accumulation disc and let proceed to the blade only perfectly flat and align products. It may be necessary to move up and down the arm or move the angle of the impeller arm for optimal lining. To adjust this, we most loose the handle number (4) on the diagram above and move numbers (5) for desired position. When adjustment is made, tight both handle on numbers (4).

Personal Protective

Must wear Cut-Resistant Gloves when cleaning and/or manipulating blades. One pair is included with the machine.

The machine is designed as safe as possible, in case of malfunction or blockage, always apply emergency stop before attempting to resolve the problem, never try to reach a blocked product with your hand or any stick/tools. Always use the access door to reach the product. The access door is equipped with safety switch to prevent unplanned machine start.

Security labels:

Leave this door closed while the machine is running.
NEVER bypass the systems put in place for the safety of the user.

KEEP your hands away from this place .

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MAINTENANCE AND CLEANING

Safety precautions

Be sure to turn off the equipment and put a padlock on the electrical box before any maintenance and cleaning that could potentially hurt or kill somebody.

We highly recommend turning off and disconnect the equipment for all maintenance and cleaning. Pleased check that you have enough space to work and to open the equipment for maintenance.

Any modification made on the equipment regarding, mechanical aspect, safety sensors, electricity, design or any parts that are closely related to the equipment will avoid all guaranties and responsibility from KLR Systems. If a modification is required, please contact KLR Systems for approval. All technical manipulation must be made by a qualified technician or a technician from KLR Systems.

We’re not responsible for any abuse, wrong manipulation, wrong utilization, wrong maintenance and repairs made by the owner and users.

Preventive maintenance schedule

Here is a quick way to take care of your machine by a preventive maintenance schedule. Due to the complexity of our machine, take note that these procedures are only advice and are subject to change:

PREVENTIVE MAINTENANCE SCHEDULE

Location	Procedure	Time interval	Remarks
Brake	Check how quick the blades stop when stop button is pressed	Weekly	Change greasing ports if leaking.
Belt infeed	Verify if the feeding goes well	When issues happen in the product feeding	Those belts are really wearing resistant
Compression belt	Verify if the feeding goes well	When issues happen in the product feeding	Those belts are really wearing resistant
Brass bushing on the crank rod	Verify rigidity of the crank. Brass part is more likely to wear	3 months.	None
Blades	Replace blades	When needed	Highly depend on the production
Safety	Verify safety devices	1 months	None
Door piston	Verify leakage	3 months	Change if there is a leak to prevent injury
Cleaning	Air blow and emptying the bucket	daily	For more safety, always put a pad lock on the power

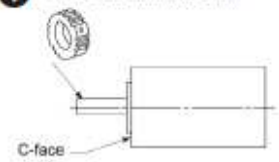
Brake Replacement

We recommend verifying the brake fixed to the blades each week.

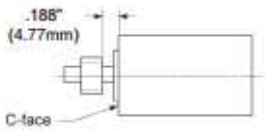
- Start the blade with the control panel and stop it after 15 seconds, then push the emergency button or the stop button. If the blade stops moving instantaneously or with a reasonable delay, replacement is not required.
- If the blades struggle to stop or take an unreasonable time to stop after the stop button has been pushing, please refer to the description below for the instruction of the parts replacement.

BRAKE MOUNTING (Manual Adjust) 1-056-X00

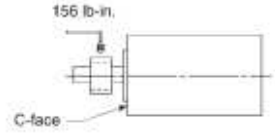
1 Place hub on motor shaft.



2 Position hub on shaft as shown.

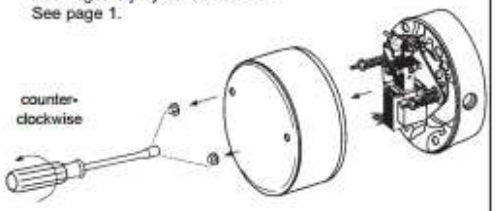


3 Tighten set screws to motor shaft.

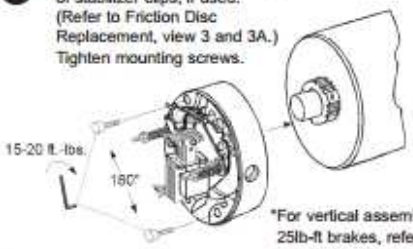


4 Remove brake housing.

Housings vary by series number. See page 1.



5 Slide endplate over hub noting position of stabilizer clips, if used. (Refer to Friction Disc Replacement, view 3 and 3A.) Tighten mounting screws.

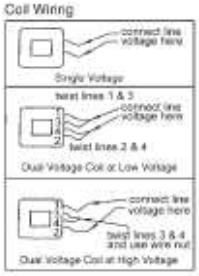


*For vertical assembly of 20 & 25lb-ft brakes, refer to page 3.

6 Connect coil leadwires to power supply. Refer to nameplate for voltage rating.* **Caution:** Keep wiring away from pinch points and moving components.

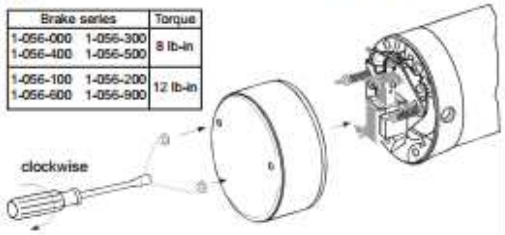
* For DC voltages see sheet 8-078-950-00.

Coil Wiring



7 Replace brake housing and tighten to torque specified below:

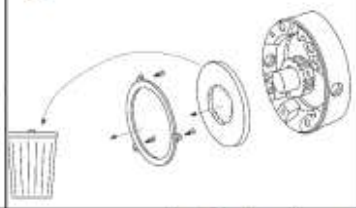
Brake series		Torque
1-056-000	1-056-300	8 lb-in
1-056-400	1-056-500	
1-056-100	1-056-200	12 lb-in
1-056-600	1-056-900	



FRICTION DISC REPLACEMENT SERIES 1-056-X00

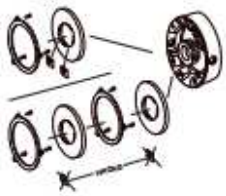
1 Remove support plate screws and lift support from brake

2 Remove and discard old friction disc.

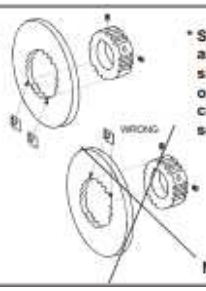


3 Install new friction disc(s) and stationary disc(s) as shown.

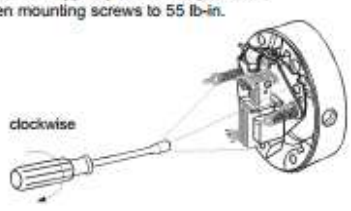
For brakes with vertical springs see *Figure 5A or 5C.*



3A * **Stabilizer clips are for use on single disc units only. Position clips opposite set screw holes.**



4 Reposition support plate on endplate and tighten mounting screws to 55 lb-in.



Note: Friction discs can wear to 1/2 their original thicknes, or .093"

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AIR GAP ADJUSTMENT 1-056-X00

As friction disc wear the air gap will increase. When plunger gets to the reset position, the air gap must be adjusted.

1 To **increase** air gap, turn both adjusting screws (10) counterclockwise. Use 3/16 hex wrench, or flat screwdriver on older models.

56,X00 Series Air Gap* (REV A & B)

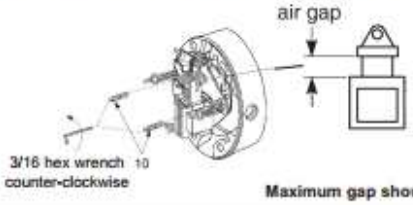
Disc	Torque	Min/Max
1	1.5, 3 & 6	.38" ± .69"
2	10 & 15	.45" ± .69"
3	20 & 25	.50" ± .69"

*±.30"

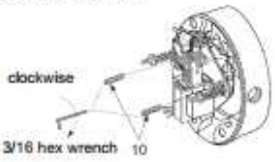
56,X00 Series Air Gap* (REV C)

Disc	Torque	Min/Max
2	3, 6, 10 & 15	.45" ± .69"
3	20 & 25	.50" ± .69"

*±.30"



2 To **decrease** air gap, turn both adjusting screws (10) clockwise.



Maximum gap should never exceed .69"

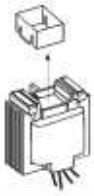
COIL REPLACEMENT SERIES 1-056-X00

Remove housing and disconnect power and wiring to coil.

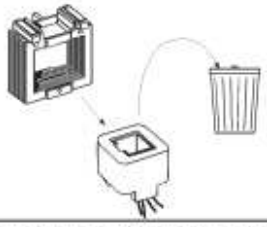
1 Insert screwdriver between support plate and lever arm and pry forward.

2 Lift plunger/solenoid lever assembly out of coil.

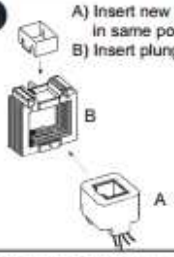
3 Remove plunger guide.



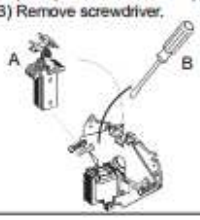
4 Discard coil.



5 A) Insert new coil. (Lead wires in same position as old coil.)
B) Insert plunger guide.



6 A) Re-insert plunger into coil; drop pivot pin into cradle of support plate.
B) Remove screwdriver.



Reconnect coil and replace housing per installation instructions, page 2.

VERTICAL SPRING ASSEMBLY 1-056-X00

Vertical Brake Assembly

Single disc brakes (1.5, 3 & 6 lb-ft) are universal mount and do not require separator springs. Double disc brakes (10-15 lb-ft.) are universal mount but require separator springs which are preassembled to the stationary disc. These discs are inserted spring first into the brake.
Refer to figure 5A below.

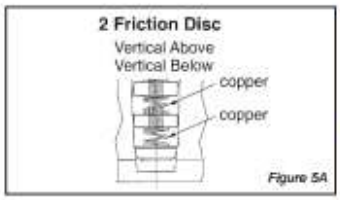


Figure 5A

Installation Procedure for 20 and 25 lb-ft brakes if mounted vertical to motor shaft

(These brakes are factory assembled for horizontal operation.)

Remove support plate by loosening the three mounting screws.
Remove stationary discs and friction discs.
Using the spring kit provided with this brake, insert three springs of identical color into each stationary disc hole. Springs are inserted from the side opposite the indent mark (see Figure 5B). Stationary disc should be placed on a clean flat surface with a clearance hole to allow the tip of the spring to extend through the bottom side of the stationary plate. Using the 1/8" pin provided and a hammer, drive the spring until the large coil diameter bottoms out against the disc.
Reassemble the disc pack with the stationary discs in the proper arrangement shown in Figure 5C.

Mount support plate and torque screws evenly to 55 lb-in.

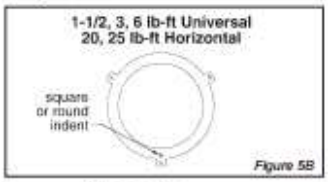


Figure 5B

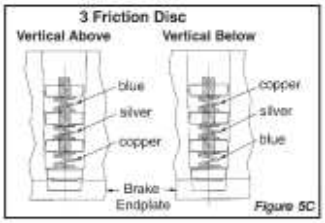


Figure 5C

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TORQUE ADJUSTMENT

Torque Adjustment

Brake is factory set for nominal rated static torque which is maximum torque. Torque may be decreased up to 50% for increased stopping times up to 2 second stop time.

The torque on the 1-1/2 lb-ft brake may not be reduced.

Turn both spring adjustment screws (11), Figure 6, equal amounts counterclockwise to decrease torque. See Table A for torque reduction permissible amounts.

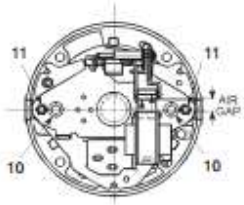

Figure 6

TABLE A

Nominal Static Torque (lb-ft)	Original Spring Height (inches)	Maximum Counter-clockwise Turns	% Torque Reduction per Turn
1-1/2	1.56"	-	-
3	1.50"	5-1/2	9%
6	1.50"		
10	1.56"		
15	1.56"		
20	1.56"		
25	1.50"		

TROUBLESHOOTING

COIL FAILURE

SUPPLY VOLTAGE CAUSE	SUPPLY VOLTAGE CORRECTION
Line voltage >110% of coil rating	Reduce voltage or replace with proper rated coil
AC input on a DC coil	Replace rectifier or replace with proper rated coil.
Excessive voltage drop during inrush time	Increase current rating of power supply.
WIRING CAUSE	**WIRING CORRECTION**
Leadwires interfering with plunger pull-in	Reroute wiring away from plunger and other moving components.
Excessive voltage drop during inrush time	Increase leadwires size from power supply
Coil leadwire shorted to ground	Replace coil or leadwire and protect with wire sleeving
SOLENOID ASSEMBLY CAUSE	**SOLENOID ASSEMBLY CORRECTION**
Plunger not seating flush against solenoid frame	Loosen solenoid mounting screws and reposition frame to allow full face contact
Plunger cocked in coil preventing pull-in	Realign solenoid frame
Excessive solenoid/plunger wear at mating surface	Replace solenoid assembly
Broken shading coils	Replace solenoid assembly
WORN PARTS CAUSE	**WORN PARTS CORRECTION**
Excessive wear of solenoid link arm and/or shoulder bolt	Replace link arm and link bolt; also inspect plunger thru-hole for elongation
Plunger guides worn down and interfering with plunger movement	Replace guides
APPLICATION CAUSE	**APPLICATION CORRECTION**
Machinery cycle rate is exceeding brake rating	Reduce brake cycle rate or use alternate control method
High ambient temperature (>110%) and thermal load exceeding coil insulation rating	Use Class H rated coil and /or find alternate method of cooling brake
Brake coil wired with windings of an Inverter motor or other voltage/current limiting device	Wire coil to dedicated power source with instantaneous coil rated voltage
MISCELLANEOUS CAUSE	**MISCELLANEOUS CORRECTION**
Wrong or over tightened torque	Replace with proper spring or refer to Installation section for proper spring height
Excessive air gap	Reset, refer to Installation Section 4

EXCESSIVE WEAR / OVERHEATING

AIR GAP CAUSE	AIR GAP CORRECTION
Low solenoid air gap	Reset air gap (refer to Air Gap Adjustment)
Disc pack dragging	Inspect endplate, hub and discs for dirt, burrs, wiring and other sources of interference preventing disc "float"
CYCLE RATE CAUSE	**CYCLE RATE CORRECTION**
Brake "jogging" exceeding coil cycle rate	Reduce cycle rate or consider alternate control method
Thermal capacity is being exceeded	Reduce cycle rate, use alternate control method or increase brake size
ALIGNMENT CAUSE	**ALIGNMENT CORRECTION**
Broke endplate not concentric to motor C-Face	Motor register must be within .004" on concentricity.
Motor shaft runout is excessive	Must be within .002"; runout; consult motor manufacturer
Brake is being operated on a incline greater than 15° above or below horizontal	Vertical separator springs must be used to prevent discs from becoming cocked
WORN PARTS CAUSE	**WORN PARTS CORRECTION**
Friction disc excessively worn (disc can wear to 1/2 original thickness or .093")	Replace friction discs.
Endplate, stationary disc or pressure plate warped	Replace warped or worn component
Linkages and/or pivot pins worn	Replace all worn components
Motor shaft endfloat excessive	Endfloat must not exceed .020"; consult motor manufacturer
HUB CAUSE	**HUB CORRECTION**
Burr on hub interfering with disc "float"	File off burr
Set screw backed out and interfering with disc	Retighten set screw; use Loctite® 242 to help secure
MISCELLANEOUS	**MISCELLANEOUS**
Solenoid plunger not pulling completely	Check line voltage (±10% of nameplate rating) or replace worn solenoid assembly
Wiring is restricting disc pack movement	Reroute wiring
Excessive stop time (2 seconds or greater)	Increase brake size/torque or use alternate control method
High Ambient temperature (in excess of 110°F)	Reduce cycle rate or use alternate method of cooling

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Replace infeed belt

Procedure to change the top (blue) belt:

- Turn the power ON, start the machine until you see and comfortable to work with the alligator junction;

- Please, turn OFF the equipment and put a pad lock on power;

- Loose the tension of the belt;

- With a pair of pliers, remove the rod of the alligator junction;

- Take the new belt and take care placing it on the same path and on top of the rollers;

- For tightening the belt, screws by alternate both flat-head screws in the rear until the belt stop sliding on rollers. At this point, no need to tight anymore;

- The belt needs to be tracked and stay in the middle of the assembly: For this, you need to make the conveyor working to track it. If you need for example bring the belt to the right by turning the left screws ½ counterclockwise, you should instead split in two and turn the right screw clockwise to prevent over-tight the belt. As a result, the left screws would be turning ¼ counterclockwise and turn the right screw ¼ clockwise;

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- As the belt could move without the eye sees it, please let the belt work for a while, and often verify if the tracking is still good.

Replace and track the compression belt

- Remove Blades for more safety, please follow blades removal procedures in the document;
- Remove the side aluminum frame and remove the adjustment screw completely ;

- Pull out the belt;
- Put the new one, then reinstall the side aluminum;
- Tight the compression belt by alternate both screw. Stop when you are no longer able to move it by hand (the same idea as the infeed belt). You won't be able to adjust it while running, but make the machine run for few seconds to see if it has moved from the middle;
- If you need for example bring the belt to the right by turning the left screws ½ counterclockwise, you should instead split in two and turn the right screw clockwise to prevent over-tight the belt. As a result, the left screws would be turning ¼ counterclockwise and turn the right screw ¼ clockwise (in this case, you will have to use the try and error method);

Brass bushing on the Crank Rod

- Check the rigidity of the crank. It should be easy to travel up and down the rod. If it is hard to rotate, you may want to change the brass parts.

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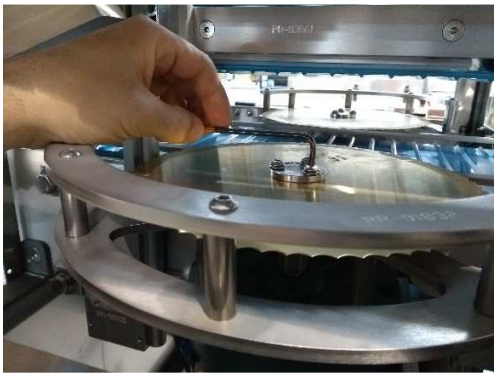
Replace/remove blades

- Put cut resistant gloves on;

- Remove the blade holder (3 screws), don't loose those pieces;



- Remove the blade;

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- Take the new blade and make sure it is clean;

- Put the blade in the machine (reverse operation);
- Make sure the blade is turning smoothly.

DEFINITION:

“Danger”: eventual source of injury or risk for the health.

“Danger Zone”: All zone in or out of the equipment or in contact with the equipment.

“People Exposed”: All people that are in the danger zone.

“Users”: Person responsible to only operate the equipment with required training.

“Qualified personnel”: Person who have received training from KLR Systems for maintenance and possible issues related to the equipment.

“Risk”: possibility of potential events that can put in danger any person who is in the danger zone.

“Physical Safety”: Physical part of the equipment made to reduce a risk of danger

“The safety device”: Device (other than physical safety) made to reduce a risk of danger related or not with a physical safety.

“Normal use”: operation of the equipment regarding the instruction

“Abuse, wrong utilization, wrong maintenance, wrong manipulation”: operation of the equipment that is in contradiction with the instruction that can be related to a predicable human comportment.

Obstruction of the equipment

If a product is obstructed in the equipment:

1- Turn off the equipment and put a padlock on the electrical box
2- Ask a qualified personnel to execute the operation

Only qualified personnel and KLR Systems technical are allowed proceed to that kind of operation.

Maintenance and cleaning by users

- We recommend blowing air on each belt to avoid obstruction of the machine after each day of operation
- We recommended calling a qualified technician for any mechanical and electric issues.
- Users aren't allowed to change blades, please ask qualified technical.
- Users aren't allowed to use tools in any circumstance, only qualified technical can use tools for maintenance.

Safety:

- All operation has to be made in a safe environment and proper condition to avoid any risk of damage on the equipment and for the safety of the users.
- The Equipment must be turned off to perform any maintenance and cleaning operation

Regular Checks

- Before each utilization, please check if all belts are rolling in the proper direction and if there's no noise that comes from the bearing. Contact a qualified technician for any maintenance regarding the bearing or the belt.
- If you see any suspicious problem that could damage the equipment or the safety of the user, please contact a qualified technical.

Maintenance and cleaning by qualified personnel

- We recommend blowing air on each belt to avoid obstruction of the machine after each day of operation
- We recommended referring to the manual or to a technician from KLR System for any mechanical and electric issues.

Safety:

- All operation has to be made in a safe environment and proper condition to avoid any risk of damage on the equipment and for the safety of the user.
- The Equipment must be turned off to perform any maintenance and cleaning operation
- Qualified technical must wear gloves to do any manipulation with blades

Regular Checks

- Before each utilization, please check if all belts and blades are turning in the proper direction and if there's no noise that comes from the bearing. Contact a qualified technician for any maintenance regarding the bearing or the belt.
- Each 3 months check all the bearing to make sure there's no noise and they can safely turn. Put some grease on it each 3 months. Use the proper grease (food grade grease).
- If you see any suspicious problem that could damage the equipment or could put in danger the safety of the user, please contact a technician from KLR Systems
- Each day check if the final product is properly sliced regarding the need of the production. If not blades change is required.
- For any adjustment refer to the manual.

- For trouble shooting, refer to the drive manual (link in the troubleshooting section of the manual) or contact a technician from KLR Systems.

MAINTENANCE AND REPARATIONS BY TECHNICIANS FROM KLR SYSTEMS INC.

Addresses and contact information for service technicians

The contact and phone number of the manufacturer from which can get technical support.

KLR SYSTEMS INC.

944 Herons Street,

Saint-Pie, QC, CANADA

J0H 1W0

(450)774-8338

Info@klrsystems.com

www.klrsystems.com

LISTS OF SPARE PARTS AND CONSUMABLES

Annexed document

DECOMMISSIONING OF THE PRODUCT

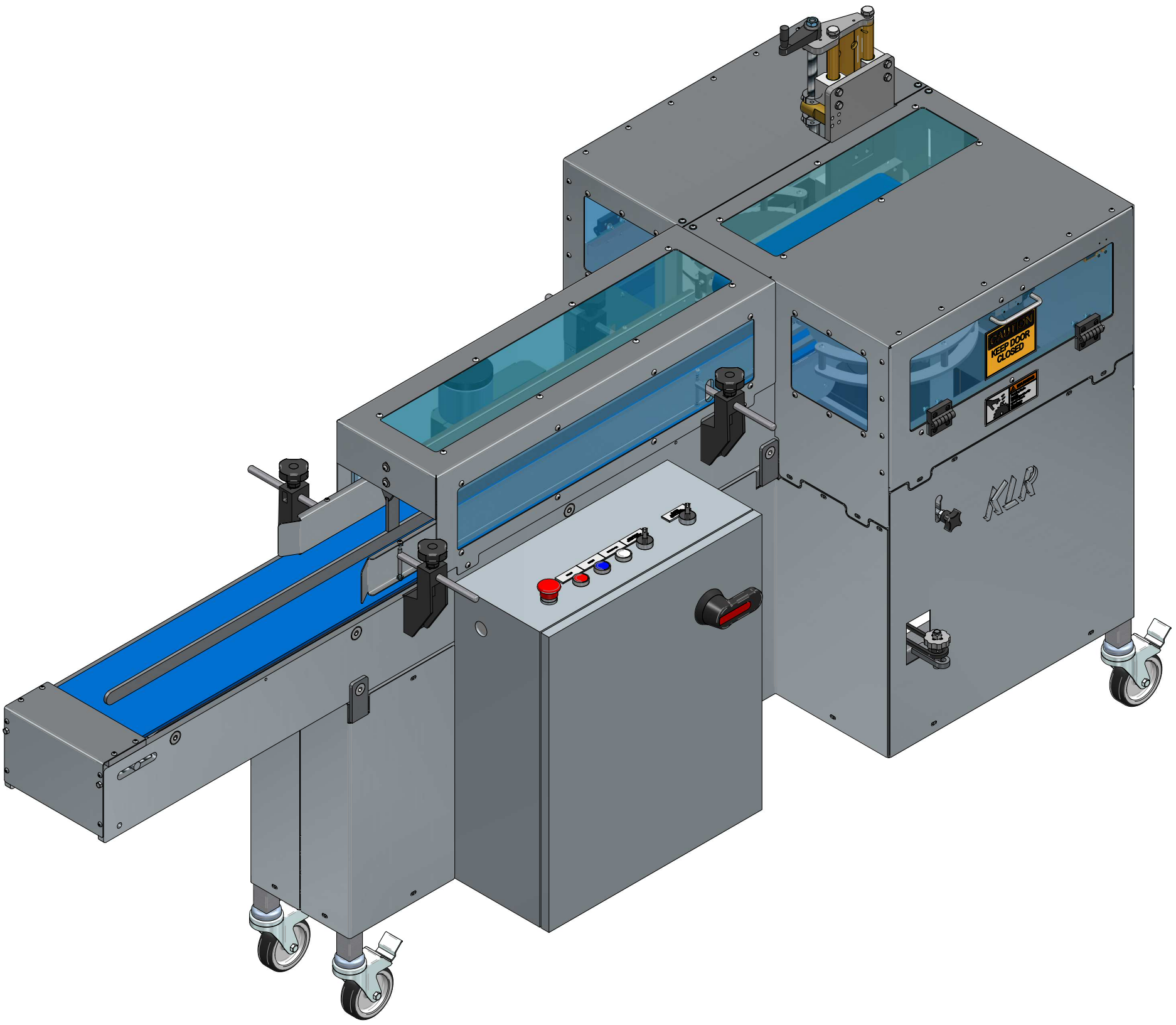
It is advisable to plan a tour of KLR to reinstall the equipment after a prolonged deactivation or a move.

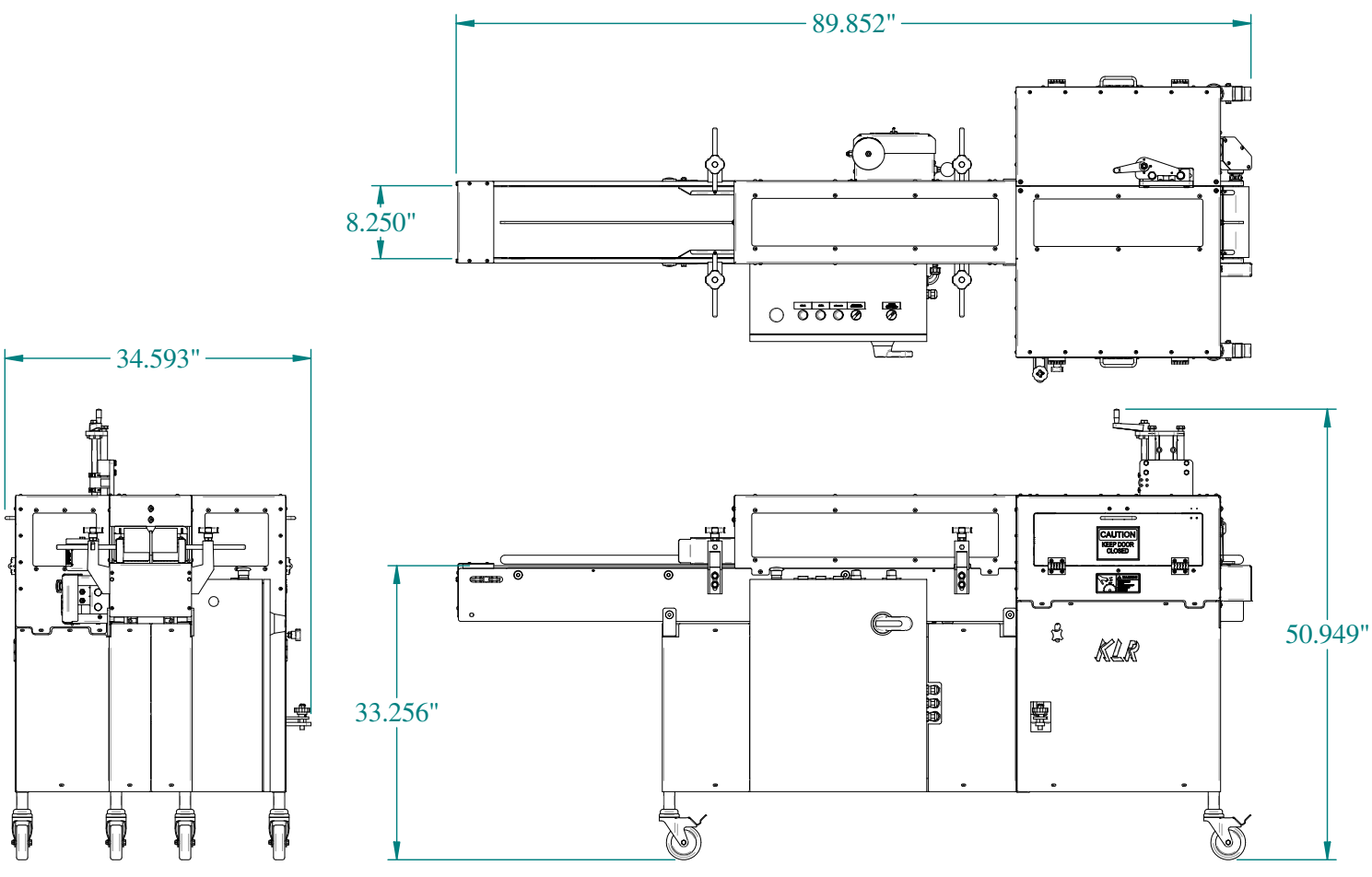
Annex #1
Exploded views

SINCE
1977

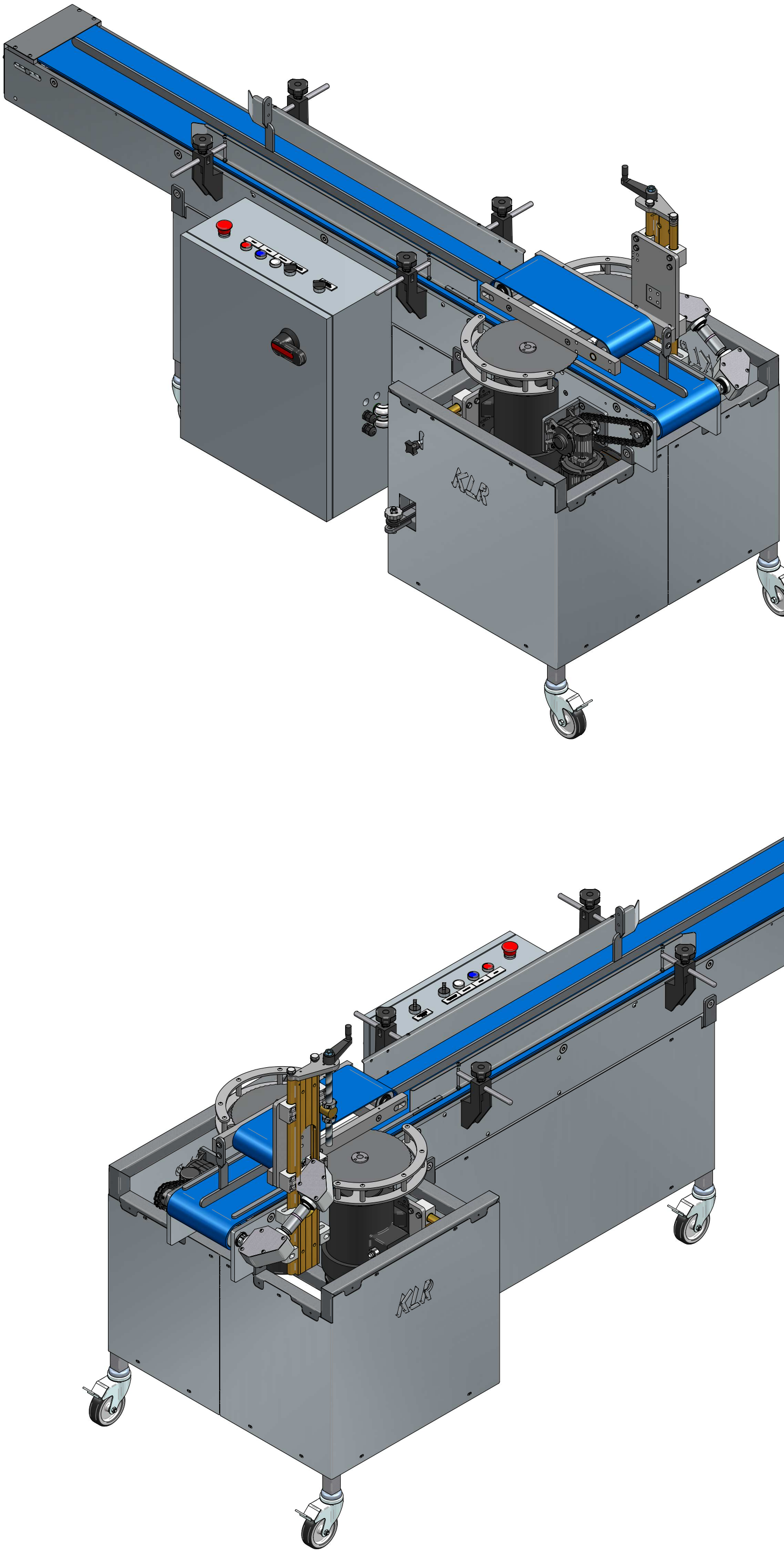
SYSTEMES KLR SYSTEMS Inc

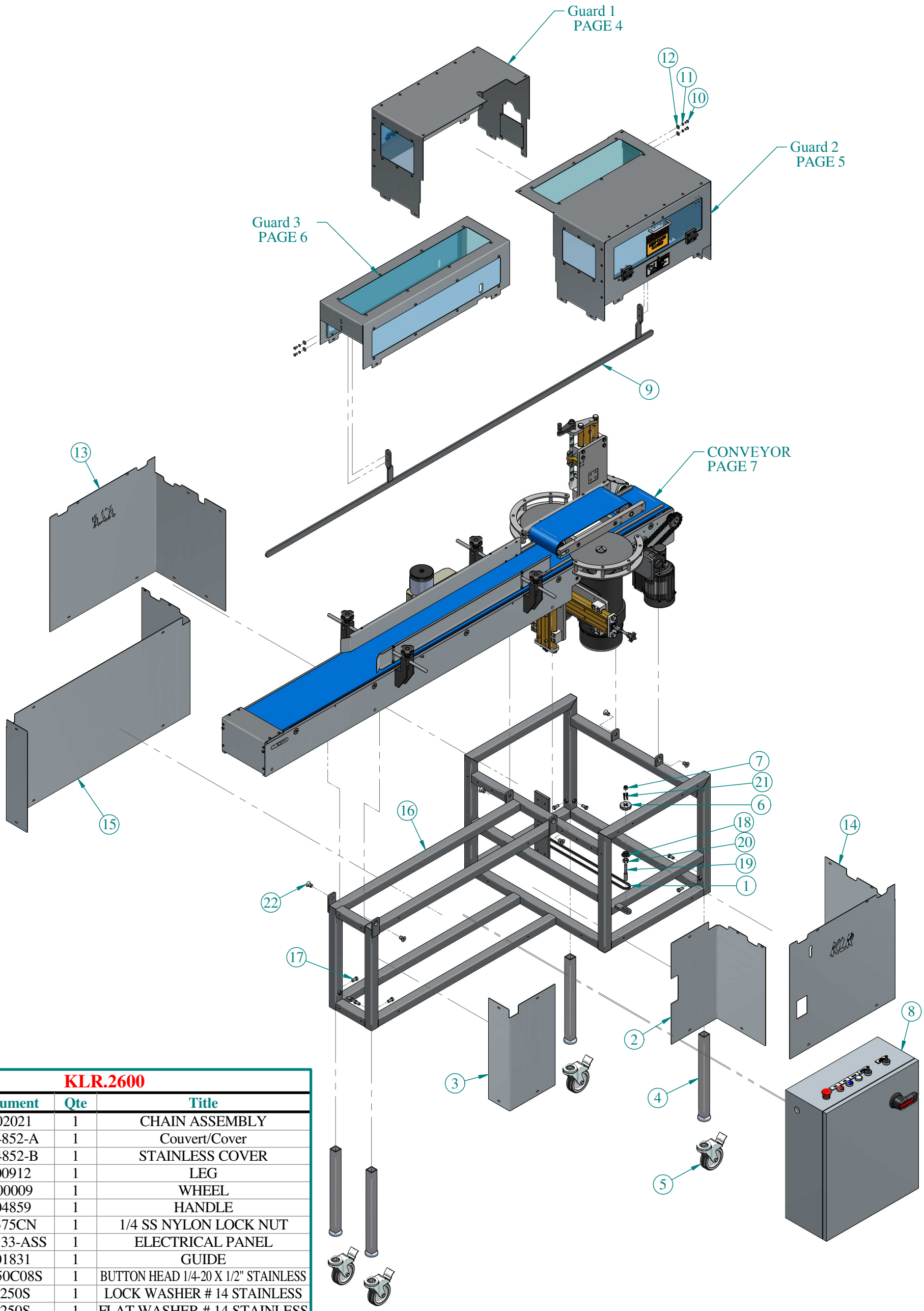
KLR.2600
ROTARY SLICER





View without security guards

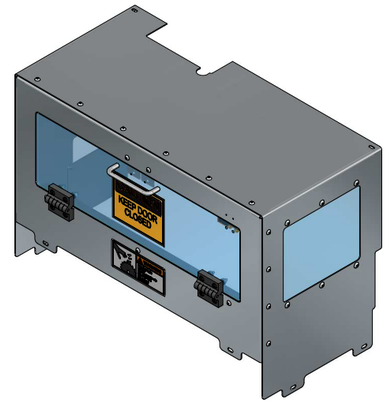


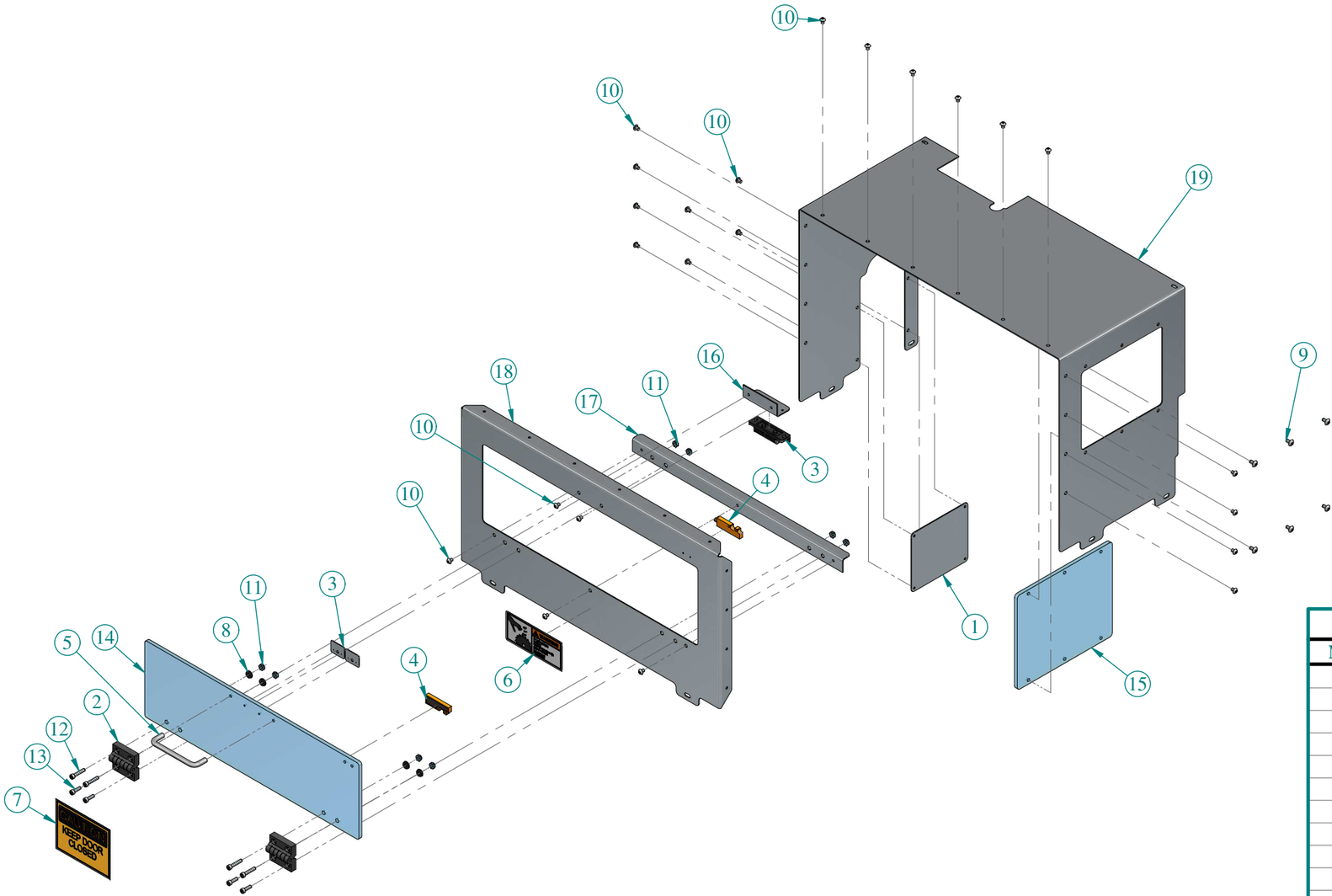


KLR.2600

No.	# Document	Qte	Title
1	KR-02021	1	CHAIN ASSEMBLY
2	PR-04852-A	1	Couvert/Cover
3	PR-04852-B	1	STAINLESS COVER
4	PR-00912	1	LEG
5	PM-00009	1	WHEEL
6	PR-04859	1	HANDLE
7	F03-375CN	1	1/4 SS NYLON LOCK NUT
8	PC-00133-ASS	1	ELECTRICAL PANEL
9	PR-01831	1	GUIDE
10	F11-250C08S	1	BUTTON HEAD 1/4-20 X 1/2" STAINLESS
11	F02-250S	1	LOCK WASHER # 14 STAINLESS
12	F01-250S	1	FLAT WASHER # 14 STAINLESS
13	PR-04850	1	COVER
14	PR-04851	1	COVER
15	PR-04853	1	STAINLESS COVER
16	PR-04695	1	FRAME
17	F13-375C12S	1	HEX HEAD 3/8-16 X 3/4" STAINLESS
18	PR-04857	1	SPROCKET
19	PR-04858	1	THREADED ROLL
20	F03-500C	1	NUT HEX 1/2-13 ZINC
21	F10-138C12S	1	SOCKET CAP 6-32 X 3/4 STAINLESS
22	F12-500C12S	1	FLAT FEAD 1/2-13 x 3/4" STAINLESS

SYSTEMES KLR SYSTEMS Inc

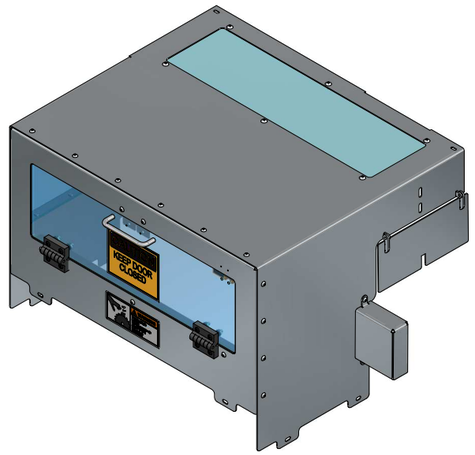


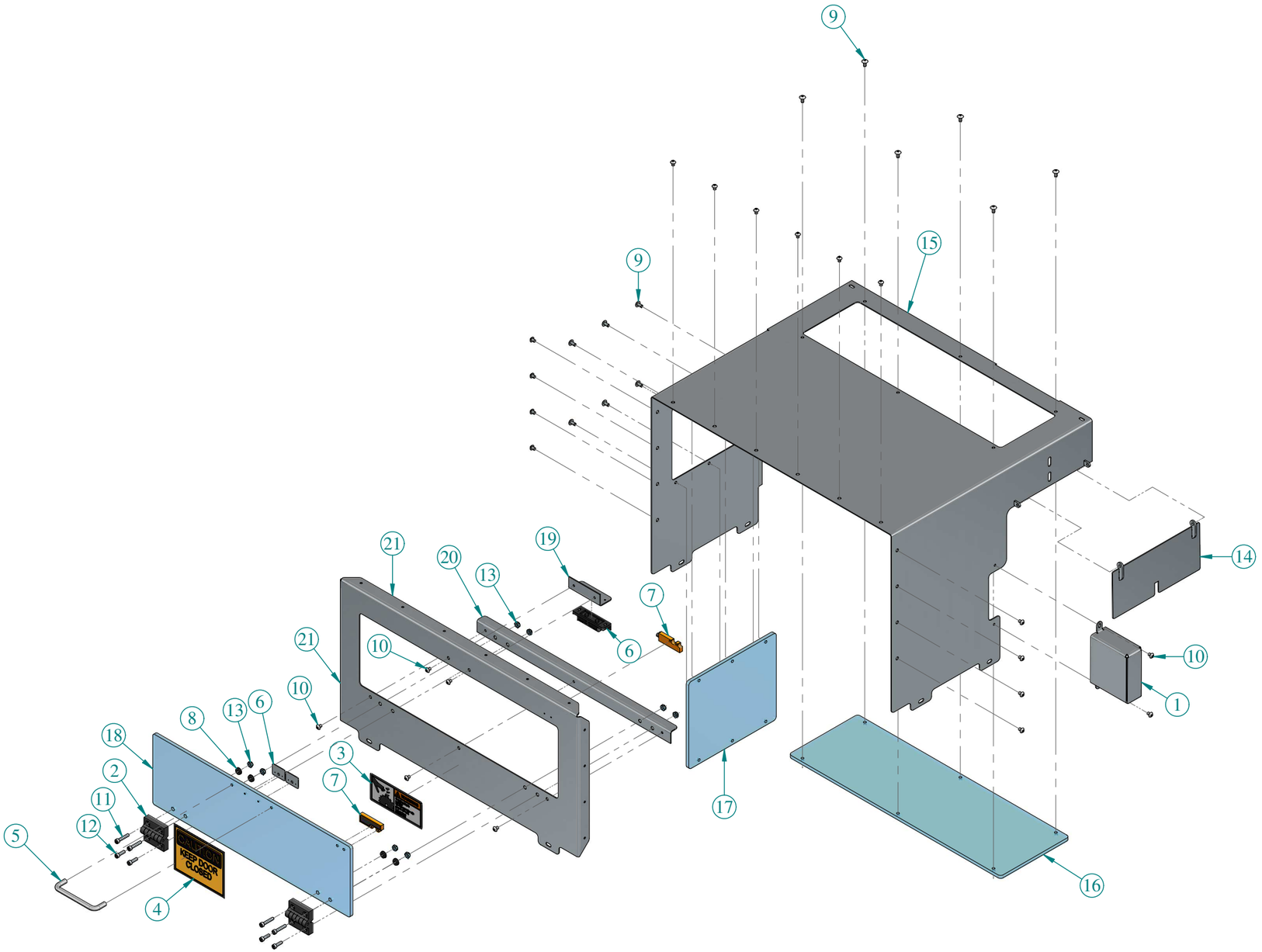


GUARD 1

KLR.2600			
No.	# Document	Qte	Title
1	PR-04847-B	1	GUARD
2	PM-00140	2	HINGE
3	PM-00700	1	MAGNET
4	PE-00136-A	1	MAGNET SAFETY SWITCH
5	PM-00184	1	HANDLE
6	LABEL.240	1	LABEL
7	LABEL.225	1	LABEL
8	PM-02969	4	NEOPRENE SEALING WASHER #14
9	F11-190F06S	6	BUTTON HEAD 10-32 x 3/8 STAINLESS
10	F11-190F04S	23	BUTTON HEAD 10-32 x 1/4" STAINLESS
11	F03-190FNS	8	JAM NUT HEX 10-32 STAINLESS
12	F10-190F16S	4	SOCKET CAP 10-32 X 1" STAINLESS
13	F10-190F10S	4	SOCKET CAP 10-32 X 5/8" STAINLESS
14	PR-04848-A	1	DOOR
15	PR-04847-A	1	GUARD
16	PR-04847-3-E	1	STAINLESS COVER
17	PR-04847-2-E	1	STAINLESS COVER
18	PR-04847-1-E	1	STAINLESS COVER
19	PR-04847-E	1	STAINLESS COVER

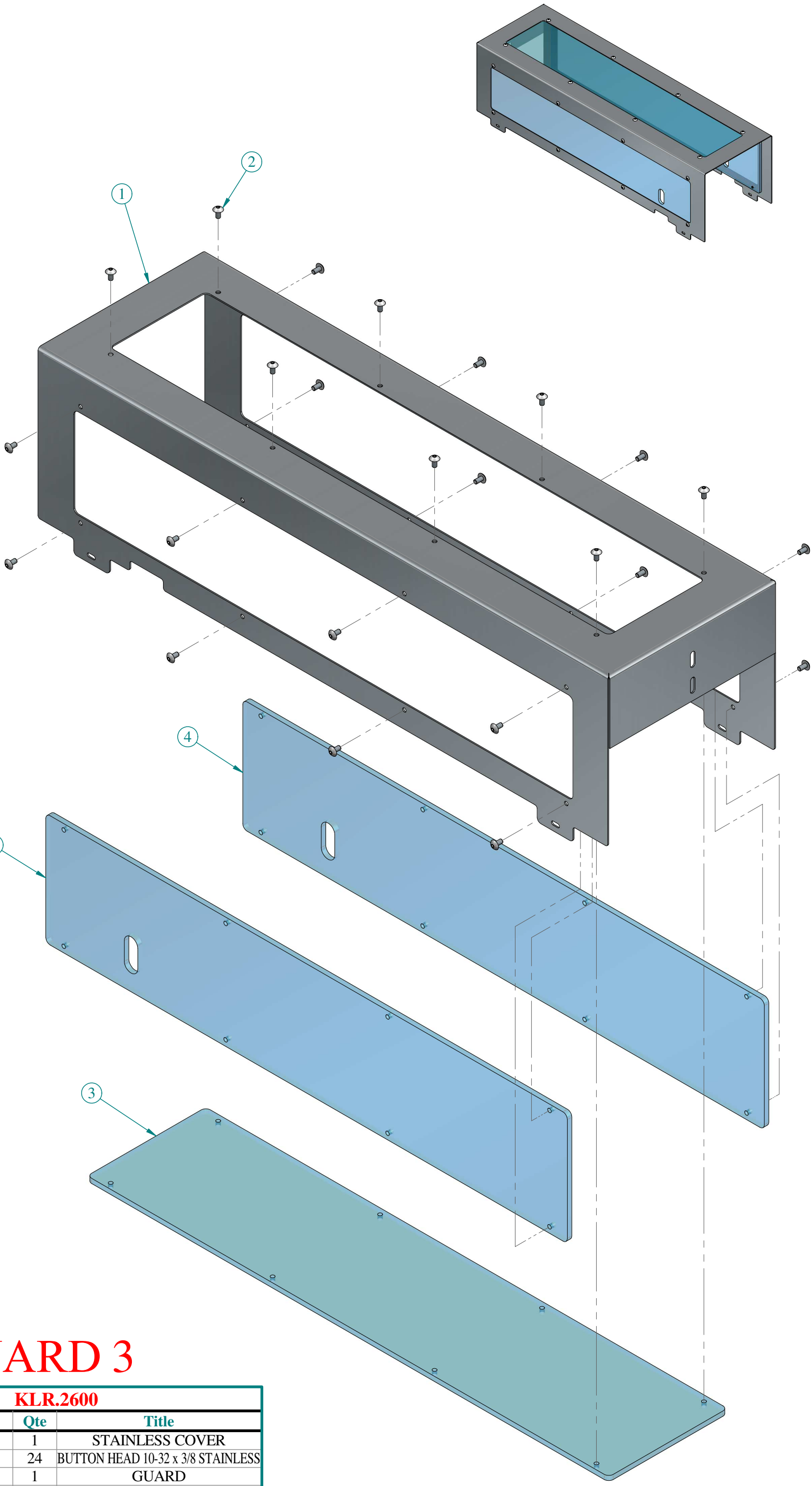
SYSTEMES KLR SYSTEMS Inc





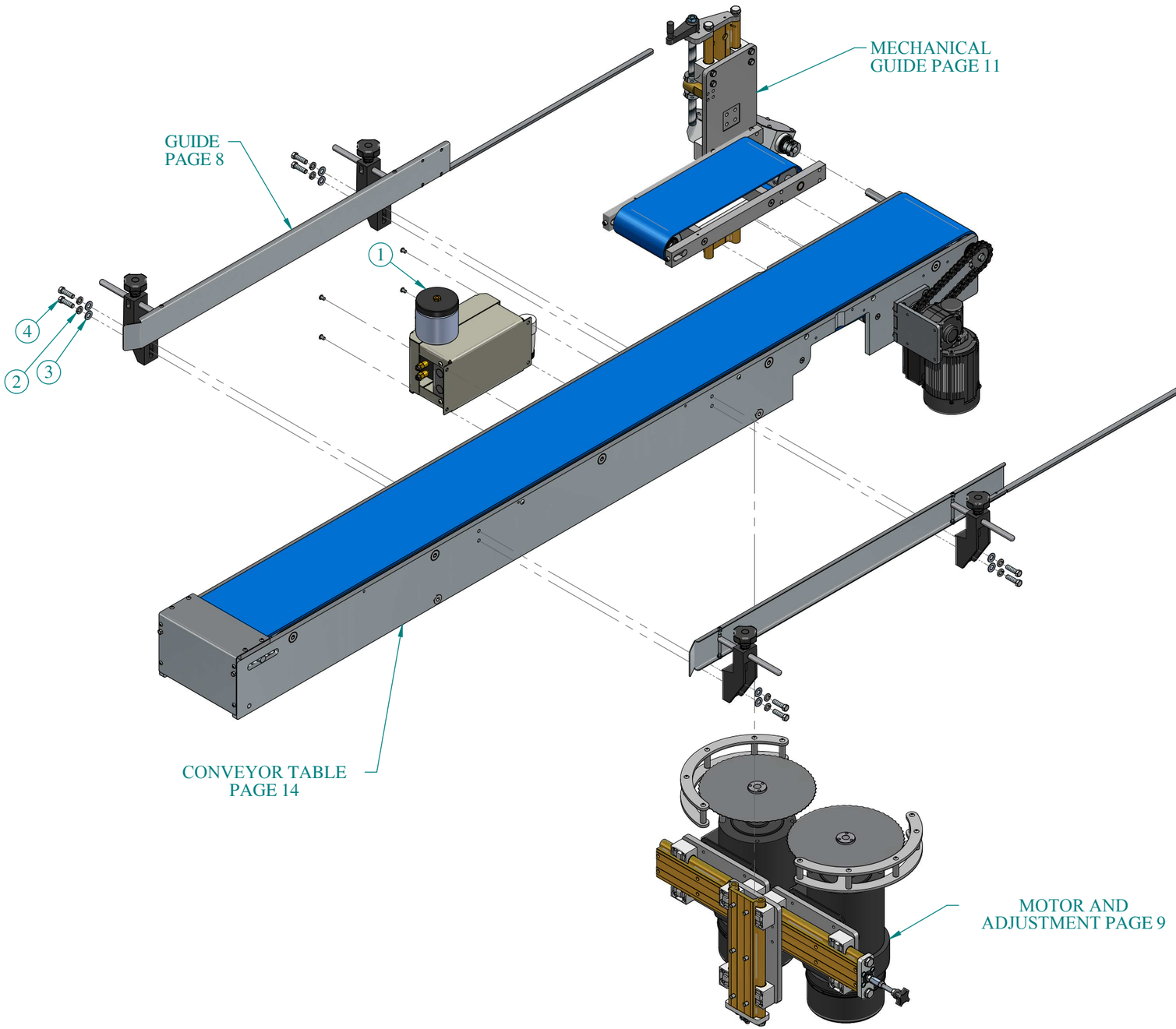
GUARD 2

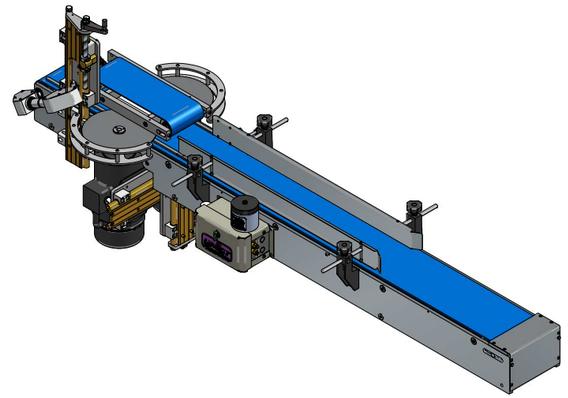
KLR.2600			
No.	# Document	Qte	Title
1	PR-04855	1	GUARD
2	PM-00140	2	HINGE
3	LABEL.240	1	LABEL
4	LABEL.225	1	LABEL
5	PM-00184	1	HANDLE
6	PM-00700	1	MAGNET
7	PE-00136-A	1	MAGNET SAFETY SWITCH
8	PM-02969	4	NEOPRENE SEALING WASHER #14
9	F11-190F06S	12	BUTTON HEAD 10-32 x 3/8 STAINLESS
10	F11-190F04S	21	BUTTON HEAD 10-32 x 1/4" STAINLESS
11	F10-190F16S	4	SOCKET CAP 10-32 X 1" STAINLESS
12	F10-190F10S	4	SOCKET CAP 10-32 X 5/8" STAINLESS
13	F03-190FNS	8	JAM NUT HEX 10-32 STAINLESS
14	PR-04856	1	DOOR
15	PR-04848	1	SECURITY GUARD
16	PR-04848-C	1	LEXAN GUARD
17	PR-04848-B	1	LEXAN GUARD
18	PR-04848-A	1	DOOR
19	PR-04847-3-E	1	STAINLESS COVER
20	PR-04847-2-E	1	STAINLESS COVER
21	PR-04847-1-E	1	STAINLESS COVER



GUARD 3

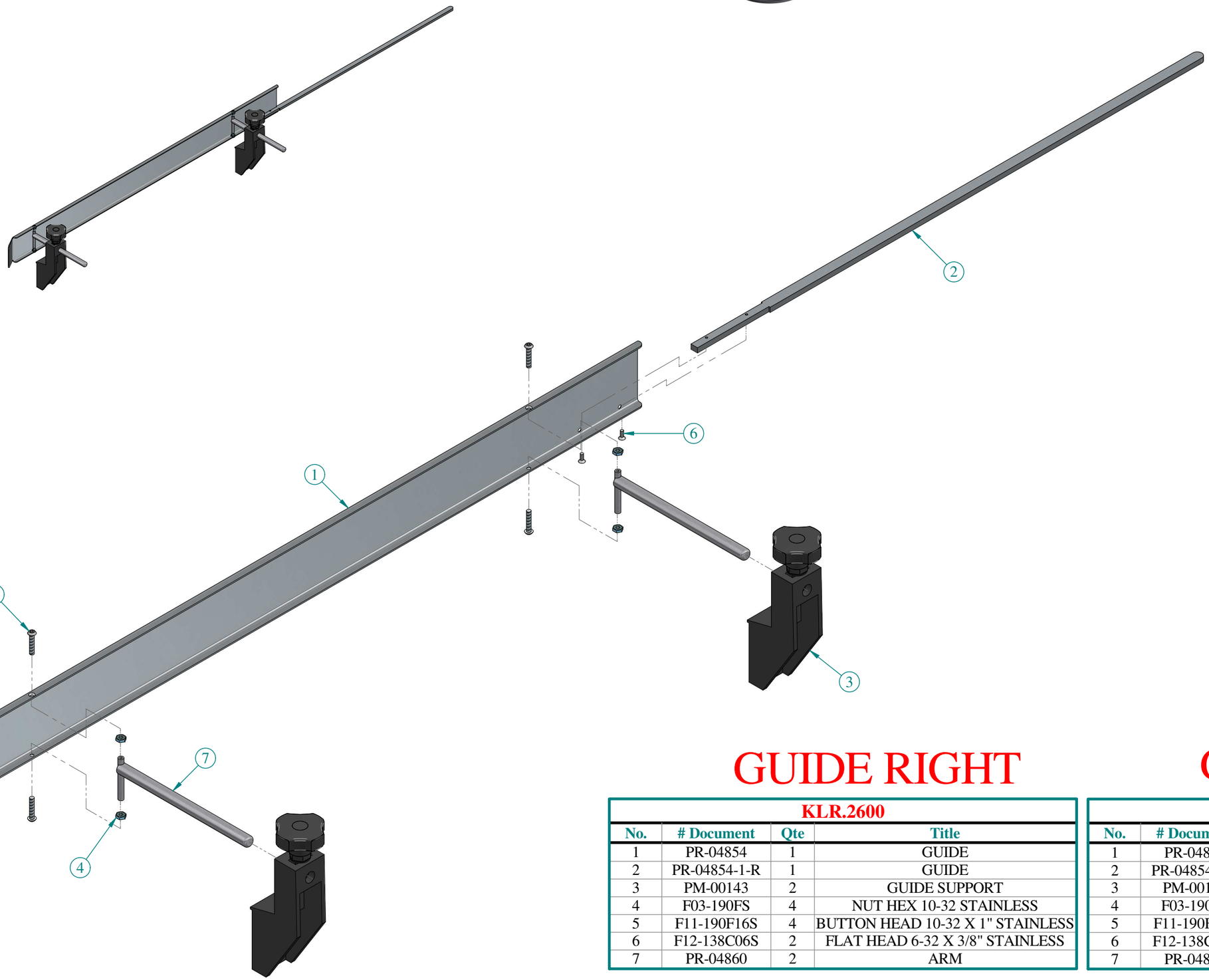
KLR.2600			
No.	**# Document**	**Qte**	**Title**
1	PR-04849	1	STAINLESS COVER
2	F11-190F06S	24	BUTTON HEAD 10-32 x 3/8 STAINLESS
3	PR-04849-A	1	GUARD
4	PR-04849-B	2	LEXAN GUARD





CONVEYOR

KLR.2600			
No.	**# Document**	**Qte**	**Title**
1	PP-00710	1	SPRAY SYSTEM UNIST
2	F02-375S	1	LOCK WASHER 3/8" STAINLESS
3	F01-375S	1	FLAT WASHER 3/8" STAINLESS STEEL
4	F13-375C20S	1	HEX. HEAD 3/8-16 X 1 1/4" STAINLESS

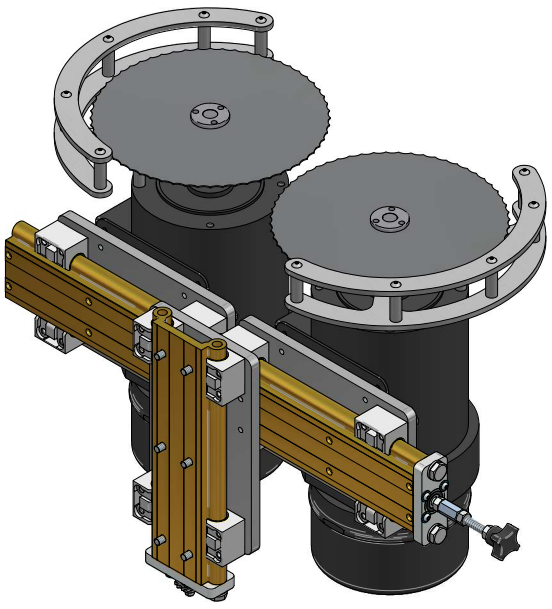


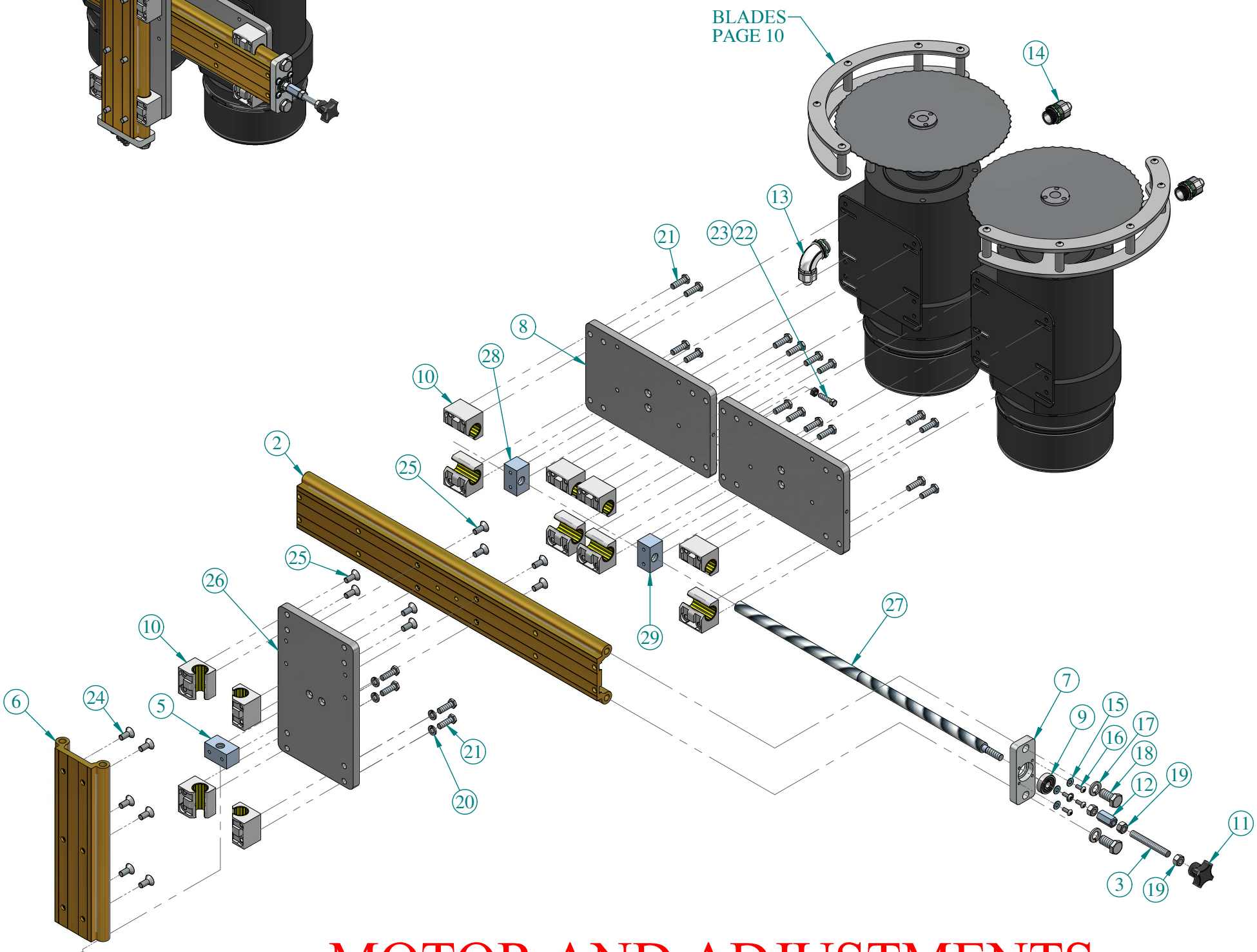
GUIDE RIGHT

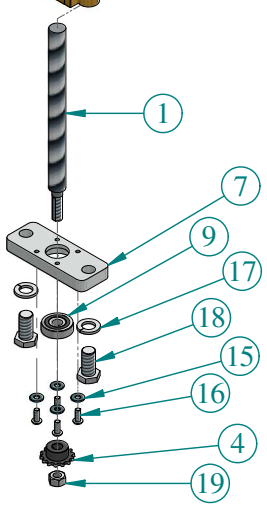
KLR.2600			
No.	# Document	Qte	Title
1	PR-04854	1	GUIDE
2	PR-04854-1-R	1	GUIDE
3	PM-00143	2	GUIDE SUPPORT
4	F03-190FS	4	NUT HEX 10-32 STAINLESS
5	F11-190F16S	4	BUTTON HEAD 10-32 X 1" STAINLESS
6	F12-138C06S	2	FLAT HEAD 6-32 X 3/8" STAINLESS
7	PR-04860	2	ARM

GUIDE LEFT

KLR.2600			
No.	# Document	Qte	Title
1	PR-04854	1	GUIDE
2	PR-04854-1-L	1	GUIDE
3	PM-00143	2	GUIDE SUPPORT
4	F03-190FS	4	NUT HEX 10-32 STAINLESS
5	F11-190F16S	4	BUTTON HEAD 10-32 X 1" STAINLESS
6	F12-138C06S	2	FLAT HEAD 6-32 X 3/8" STAINLESS
7	PR-04860	2	ARM

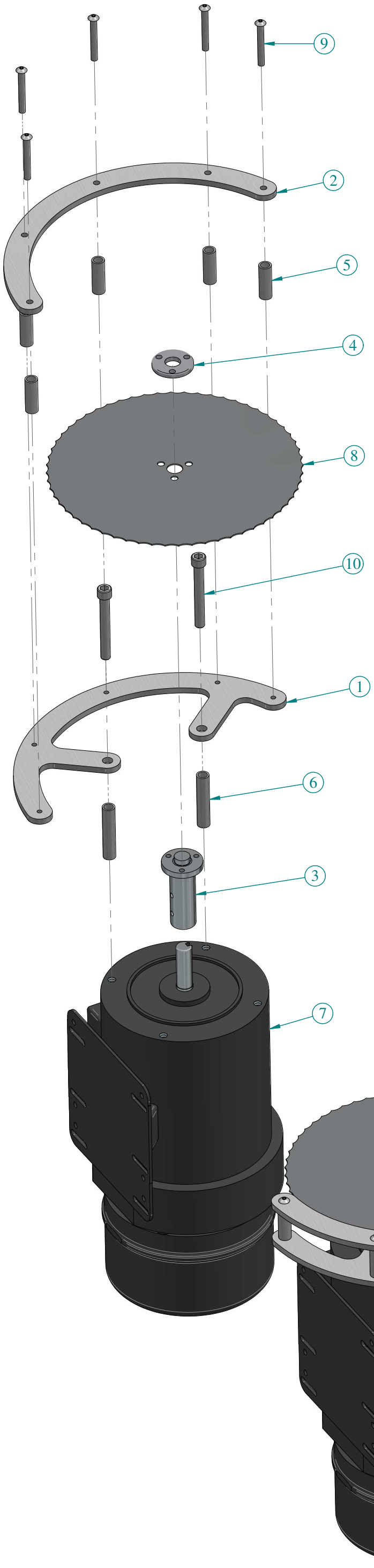






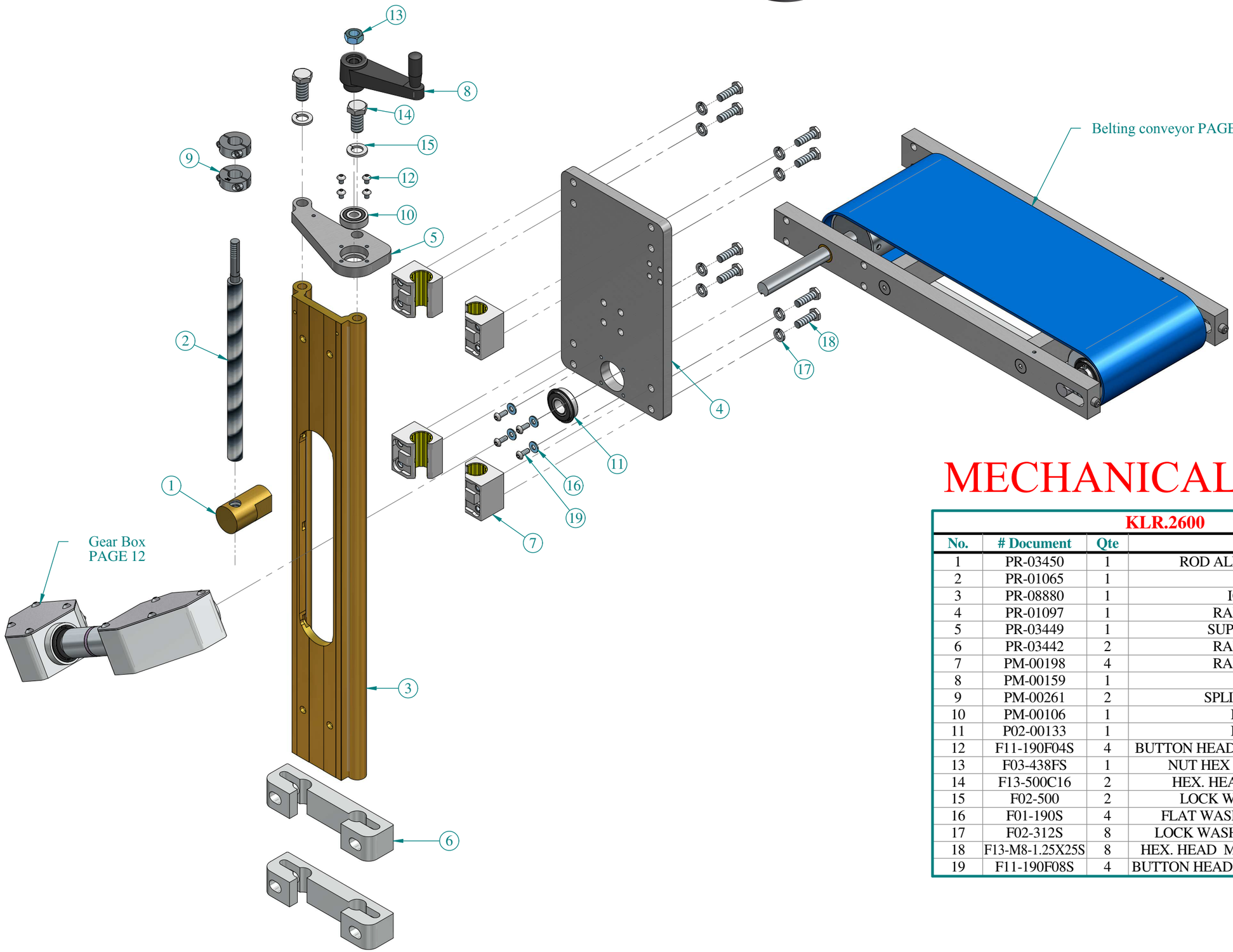
MOTOR AND ADJUSTMENTS

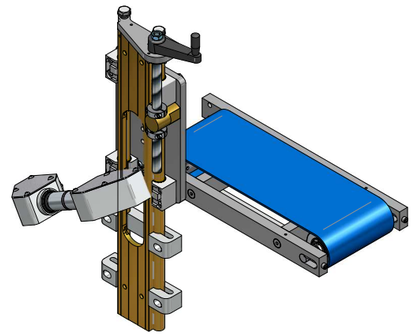
KLR.2600			
No.	**# Document**	**Qte**	**Title**
1	PR-04711-1	1	THREADED ROD
2	PR-08886	1	RAIL
3	PR-04861	1	THREADED ROD
4	PR-08950	1	SPROCKET 14 TEETH
5	PR-04696-A	1	SUOOPRT BLOCK
6	PR-04719	1	RAIL
7	PR-04709	2	SUPPORT BLOCK
8	PR-04682-1	1	PLATE SUPPORT
9	PM-00106	2	BEARING
10	PM-00198	12	RAIL SUPPORT
11	PM-00179	1	HANDLE
12	F21-375C16	1	Extended hexagonal 3/8-16 x 1
13	PE-00116-A	1	CONNECTOR 3/8" - 90 DEGREES
14	PE-00116	2	CONNECTOR 3/8
15	F01-190S	8	FLAT WASHER #10 STAINLESS
16	F11-190F08S	8	BUTTON HEAD 10-32 X 1/2" STAINLESS
17	F02-500	4	LOCK WASHER 1/2" ZINC
18	F13-500C16	4	HEX. HEAD 1/2-13 x 1" ZINC
19	F03-375CS	4	HEX NUT 3/8-16 STAINLESS STEEL
20	F02-312S	20	LOCK WASHER 5/16" STAINLESS
21	F13-M8-1.25X25S	20	HEX. HEAD M8-1.25 X 25 STAINLESS
22	F13-250C16	1	BOLT HEX. 1/4-20 x 1"
23	F03-250C	1	NUT HEX 1/4-20 ZINC
24	F12-312C12S	6	FLAT HEAD 5/16-18 x 3/4 STAINLESS
25	F12-M8-1.25X20	8	FLAT HEAD M8-1.25 X 20
26	PR-04683-1	1	PLATE SUPPORT
27	PR-04710	1	ADJUSTMENT SHAFT
28	PR-04696-L	1	SUPPORT BLOCK
29	PR-04696-R	1	SUPPORT BLOCK



BLADES

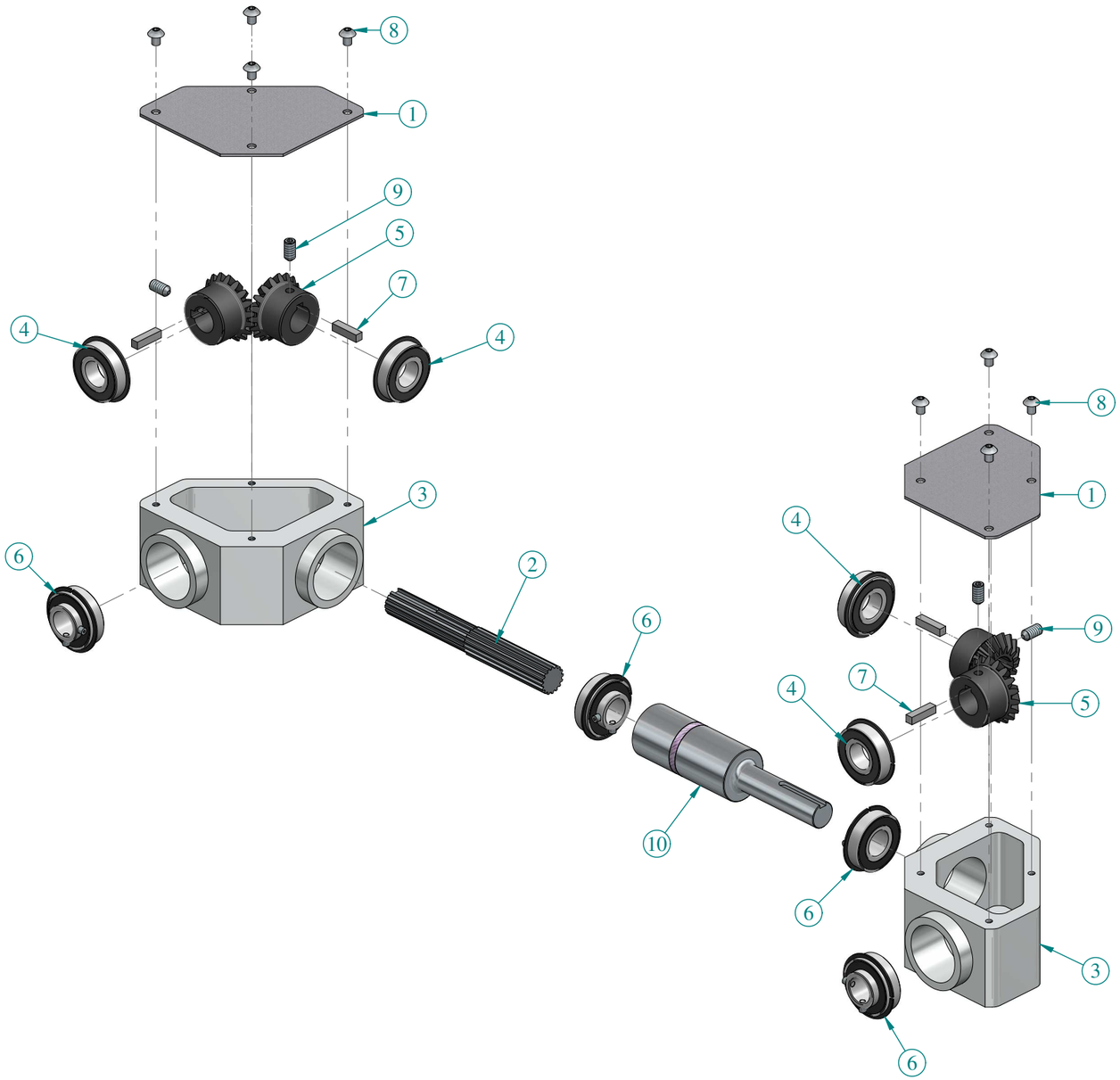
KLR.2600			
No.	# Document	Qte	Title
1	PR-01832-A	2	BLADE PROTECTOR
2	PR-01832	2	BLADE PROTECTOR
3	PR-04715	2	SHAFT
4	PR-04716	2	LOCK WASHER
5	PR-01832-B	10	SPACER
6	PR-01832-C	4	SPACER
7	PE-00276	2	MOTOR
8	L-10.00-NS	2	BLADE
9	F11-250C32S	10	BUTTON HEAD 1/4-20 X 2" STAINLESS
10	F10-375C48S	4	SOCKET CAP 3/8-16 X 3" STAINLESS

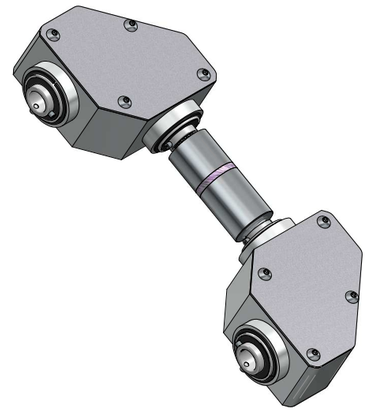




MECHANICAL GUIDE

KLR.2600			
No.	**# Document**	**Qte**	**Title**
1	PR-03450	1	ROD ALIGNMENT GUIDE
2	PR-01065	1	SCREW
3	PR-08880	1	IGUS RAIL
4	PR-01097	1	RAIL SUPPORT
5	PR-03449	1	SUPPORT PLATE
6	PR-03442	2	RAIL SUPPORT
7	PM-00198	4	RAIL SUPPORT
8	PM-00159	1	HANDLE
9	PM-00261	2	SPLIT COLAR 5/8"
10	PM-00106	1	BEARING
11	P02-00133	1	BEARING
12	F11-190F04S	4	BUTTON HEAD 10-32 x 1/4" STAINLESS
13	F03-438FS	1	NUT HEX 7/16-20 STAINLESS
14	F13-500C16	2	HEX. HEAD 1/2-13 x 1" ZINC
15	F02-500	2	LOCK WASHER 1/2" ZINC
16	F01-190S	4	FLAT WASHER #10 STAINLESS
17	F02-312S	8	LOCK WASHER 5/16" STAINLESS
18	F13-M8-1.25X25S	8	HEX. HEAD M8-1.25 X 25 STAINLESS
19	F11-190F08S	4	BUTTON HEAD 10-32 X 1/2" STAINLESS

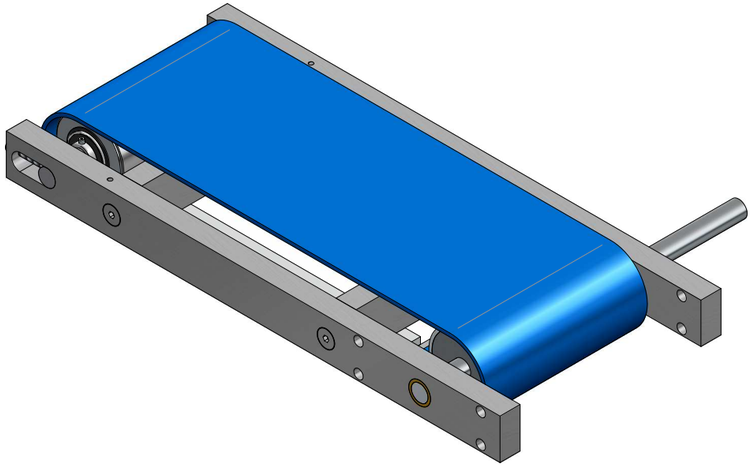


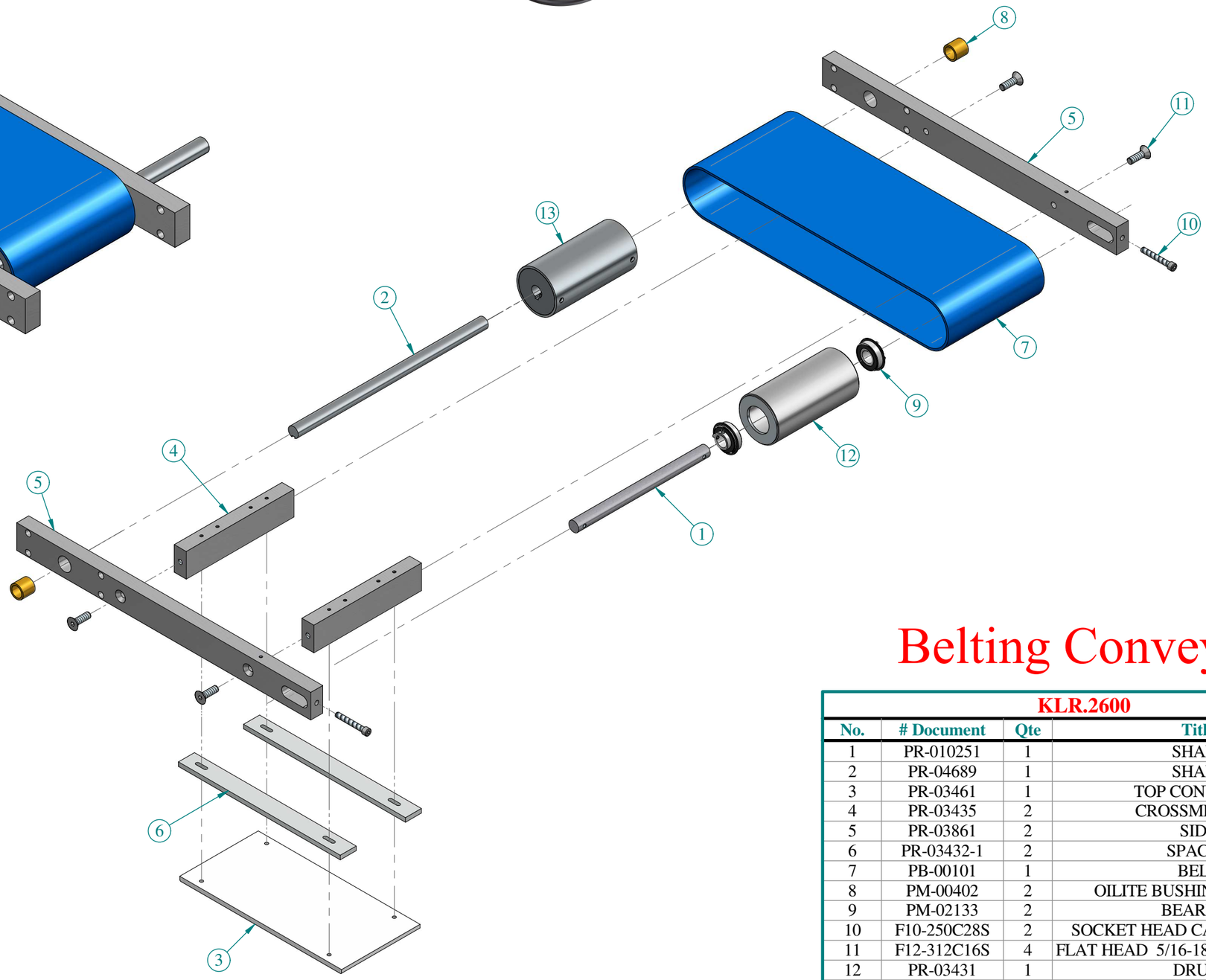


GEAR BOX

KLR.2600

No.	# Document	Qte	Title
1	PR-03428	2	COVER PLATE
2	PR-03480-2	1	Arbre/Shaft
3	PR-03427	2	GEARBOX
4	P02-00133	4	BEARING
5	PM-04000	4	METAL MITER GEAR
6	PM-02133	4	BEARING
7	PM-01413	4	MACHINE KEY
8	F11-190F04S	8	BUTTON HEAD 10-32 x 1/4" STAINLESS
9	F06-250C08	4	SET SCREW 1/4-20 X 1/2" ZINC
10	PR-03479-1	1	Arbre/Shaft

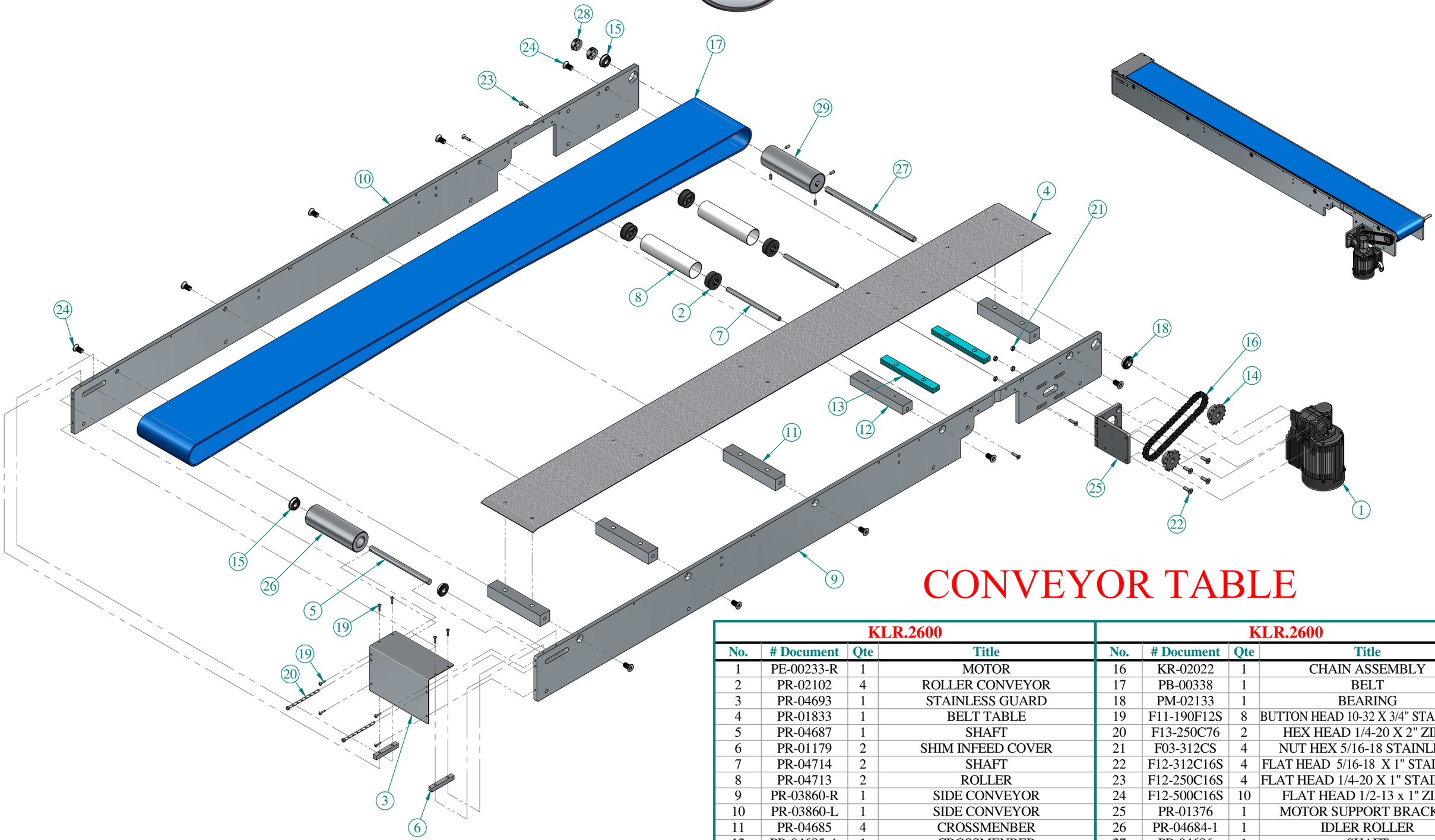




Belting Conveyor

KLR.2600			
No.	**# Document**	**Qte**	**Title**
1	PR-010251	1	SHAFT
2	PR-04689	1	SHAFT
3	PR-03461	1	TOP CONVEYOR
4	PR-03435	2	CROSSMEMBER
5	PR-03861	2	SIDE
6	PR-03432-1	2	SPACER
7	PB-00101	1	BELT
8	PM-00402	2	OILITE BUSHING 3/4 LONG
9	PM-02133	2	BEARING
10	F10-250C28S	2	SOCKET HEAD CAP 1/4-20 x 1-1/2
11	F12-312C16S	4	FLAT HEAD 5/16-18 X 1" STAINLESS
12	PR-03431	1	DRUM
13	PR-09253	1	ROLLER CONVEYOR

SYSTEMES KLR SYSTEMS Inc



CONVEYOR TABLE

KLR.2600			
No.	# Document	Qte	Title
1	PE-00233-R	1	MOTOR
2	PR-02102	4	ROLLER CONVEYOR
3	PR-04693	1	STAINLESS GUARD
4	PR-01833	1	BELT TABLE
5	PR-04687	1	SHAFT
6	PR-01179	2	SHIM INFEED COVER
7	PR-04714	2	SHAFT
8	PR-04713	2	ROLLER
9	PR-03860-R	1	SIDE CONVEYOR
10	PR-03860-L	1	SIDE CONVEYOR
11	PR-04685	4	CROSSMENBER
12	PR-04685-A	1	CROSSMENBER
13	PR-04685-B	2	CROSSMEMBER
14	SSB40-14KK	2	SPROCKET 14 TEETH
15	P02-00133	3	BEARING

KLR.2600			
No.	# Document	Qte	Title
16	KR-02022	1	CHAIN ASSEMBLY
17	PB-00338	1	BELT
18	PM-02133	1	BEARING
19	F11-190F12S	8	BUTTON HEAD 10-32 X 3/4" STAINLESS
20	F13-250C76	2	HEX HEAD 1/4-20 X 2" ZINC
21	F03-312CS	4	NUT HEX 5/16-18 STAINLESS
22	F12-312C16S	4	FLAT HEAD 5/16-18 X 1" STAINLESS
23	F12-250C16S	4	FLAT HEAD 1/4-20 X 1" STAINLESS
24	F12-500C16S	10	FLAT HEAD 1/2-13 x 1" ZINC
25	PR-01376	1	MOTOR SUPPORT BRACKET
26	PR-04684-1	1	IDLER ROLLER
27	PR-04686	1	SHAFT
28	PM-00261	2	SPLIT COLAR 5/8"
29	PR-06137	1	DRIVE ROLLER

Annex#2
Electrical plans

SINCE
1977

CUSTOMER	PROJECT	SECTION	PAGE	TITLE	–	–	REV	REVISION	REVISION DATE
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	01	01	DRAWING LIST			3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	01	02	REFERENCES			3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	02	01	EXTERNAL / INTERNAL	LAYOUT		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	03	01	DISTRIBUTION	230VAC		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	03	02	DISTRIBUTION	230VAC		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	03	03	DISTRIBUTION	230VAC		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	03	04	DISTRIBUTION	230VAC		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	03	05	DISTRIBUTION	230VAC		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	03	06	DISTRIBUTION	230VAC		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	04	01	DISTRIBUTION	120VAC		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	04	02	DISTRIBUTION	120VAC		3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	05	01	SAFETY MODULE			3	FINAL PLAN	2019–06–21
SYSTEME KLR INC.	PC–02650 ROTARY SLICER	05	02	SAFETY MODULE	XPSAC5121P		3	FINAL PLAN	2019–06–21

REV	DATE	DESCRIPTION	DRAFTED BY:	PREPARED BY:	OIQ
3	2019–06–21	FINAL PLAN	S.L.	M.F.	5027316
2	2019–06–13	FINAL PLAN	S.L.	M.F.	5027316
1	2019–06–04	FINAL PLAN	J.L.	M.F.	5027316
0	2019–06–04	FOR CONSTRUCTION	J.L.	M.F.	5027316

REVISION HISTORY

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2019-06-21

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CUSTOMER	SYSTEME KLR INC.
PROJECT TITLE	PC–02650 ROTARY SLICER
TITLE	DRAWING LIST

PROJECT	SECTION	PAGE	REVISION
F19–243	01	01	3

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DESCRIPTION			
CONTROL PANEL			
H.P./K.W.	VOLTS	HZ	SCCR
3.5 HP	230V	60	5 KA
PH.	VOLTAGE DE CONTRÔLE / CONTROL VOLTAGE		
3	120 VAC / 24 VDC		
INTER. PRINC. / MAIN SWITCH	30 A	CHARGE RACCORDÉE / CONNECTED LOAD	17 A
DOSSIER / FILE	F19-243	NO. SÉRIE / SERIAL NO.	-

REV	DATE	DESCRIPTION	DRAFTED BY:	PREPARED BY:	OIQ
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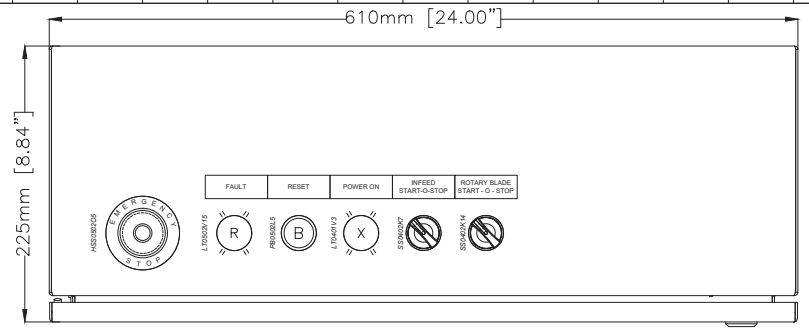
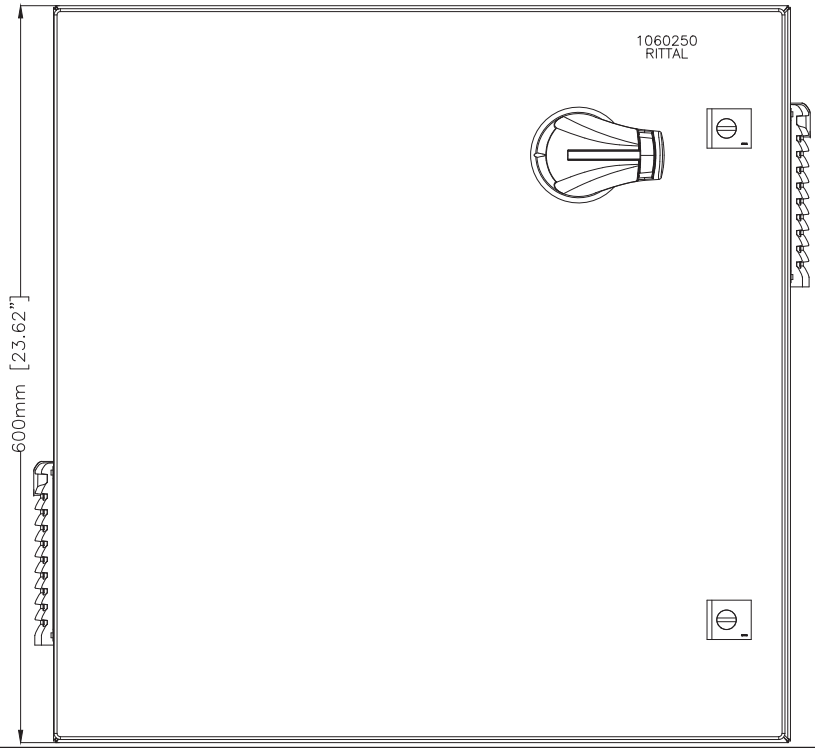
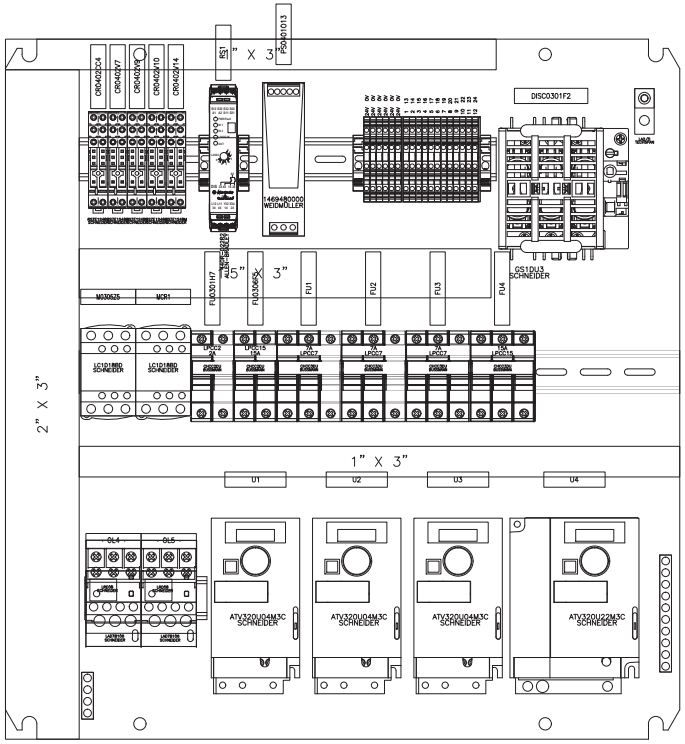
CUSTOMER	SYSTEME KLR INC.		
PROJECT TITLE	PC-02650 ROTARY SLICER		
TITLE	REFERENCES		
PROJECT	SECTION	PAGE	REVISION
F19-243	01	02	3







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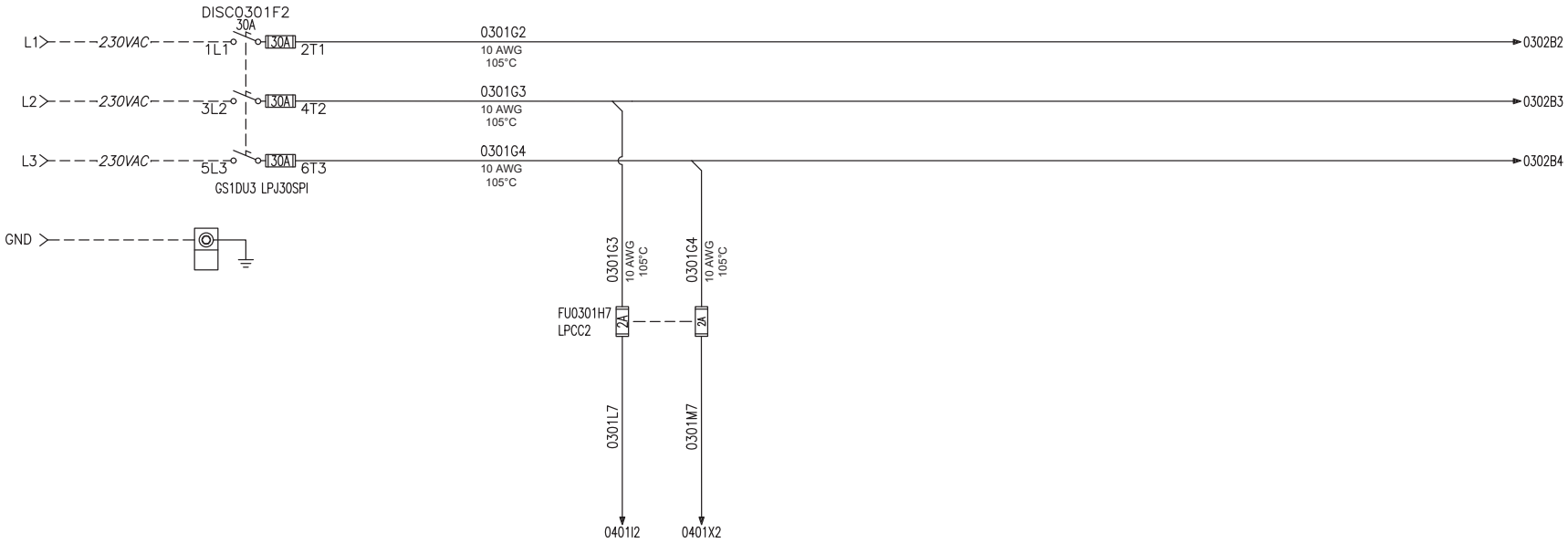
CUSTOMER: SYSTEME KLR INC.

PROJECT TITLE: PC-02650 ROTARY SLICER

TITLE: EXTERNAL / INTERNAL LAYOUT

PROJECT	SECTION	PAGE	REVISION
F19-243	02	01	3



LEGEND
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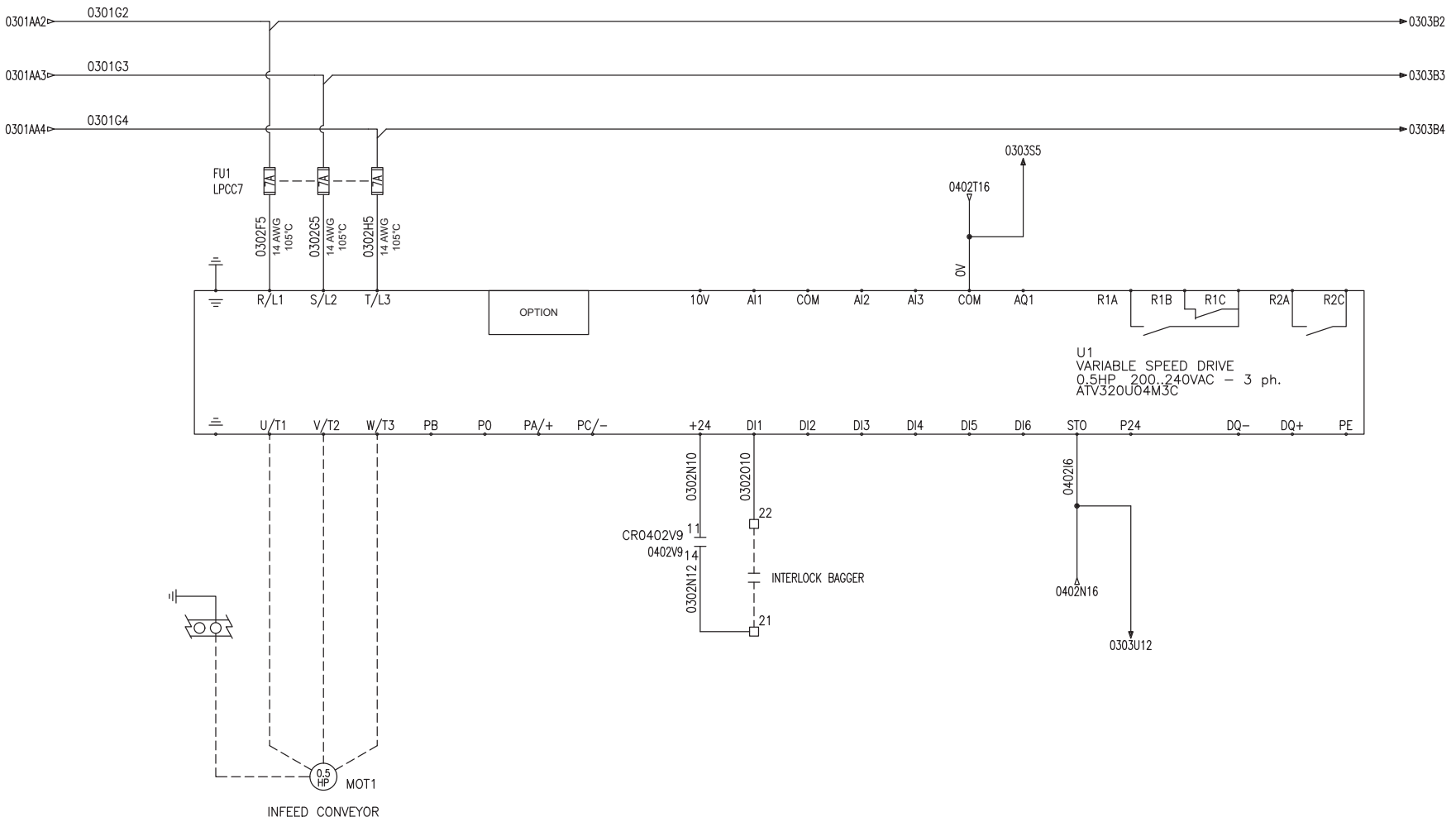
CUSTOMER	SYSTEME KLR INC.
PROJECT TITLE	PC-02650 ROTARY SLICER
TITLE	DISTRIBUTION 230VAC

PROJECT	SECTION	PAGE	REVISION
F19-243	03	01	3



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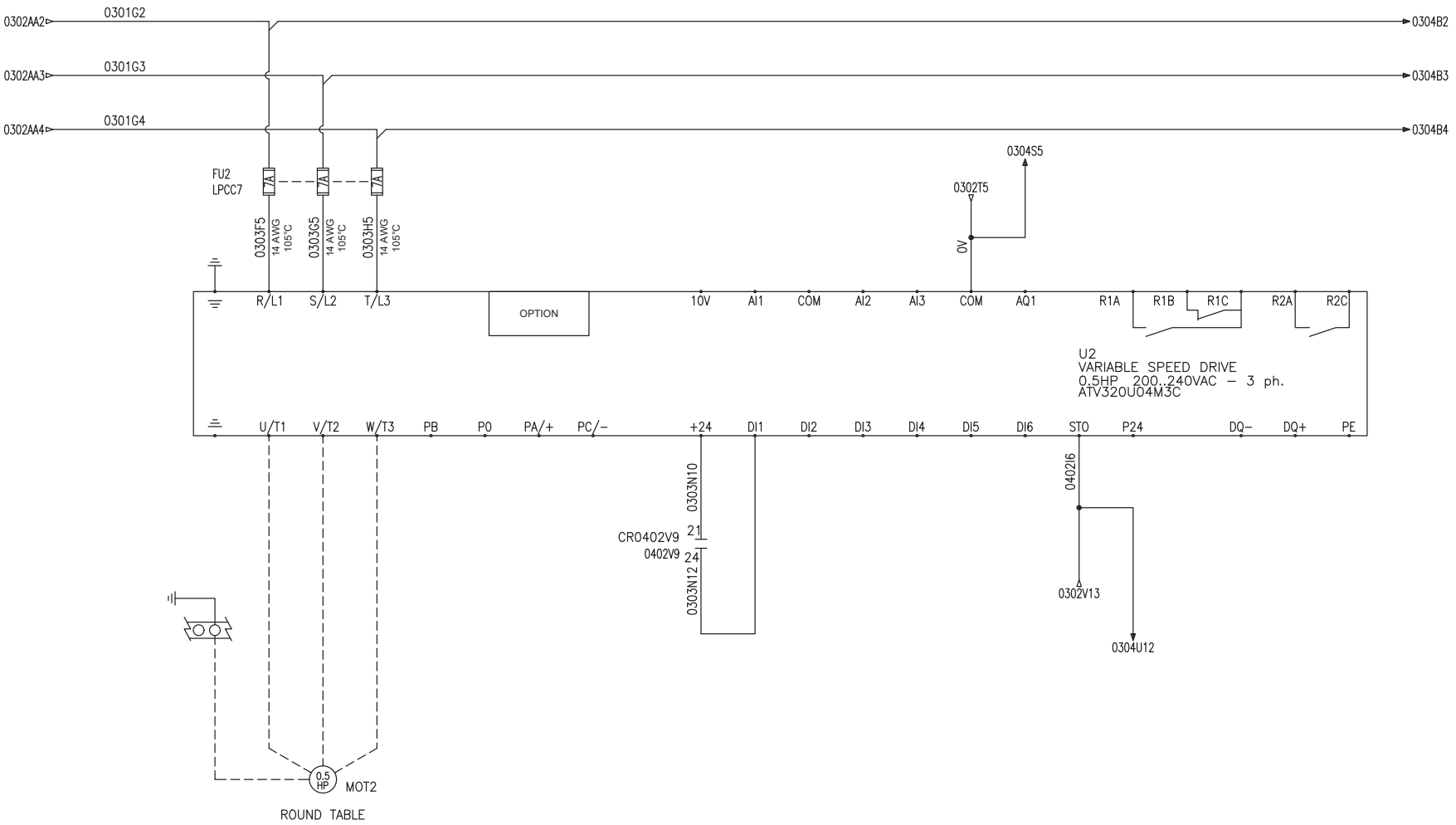
CUSTOMER	SYSTEME KLR INC.
PROJECT TITLE	PC–02650 ROTARY SLICER
TITLE	DISTRIBUTION 230VAC

PROJECT	SECTION	PAGE	REVISION
F19–243	03	02	3



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CUSTOMER	SYSTEME KLR INC.
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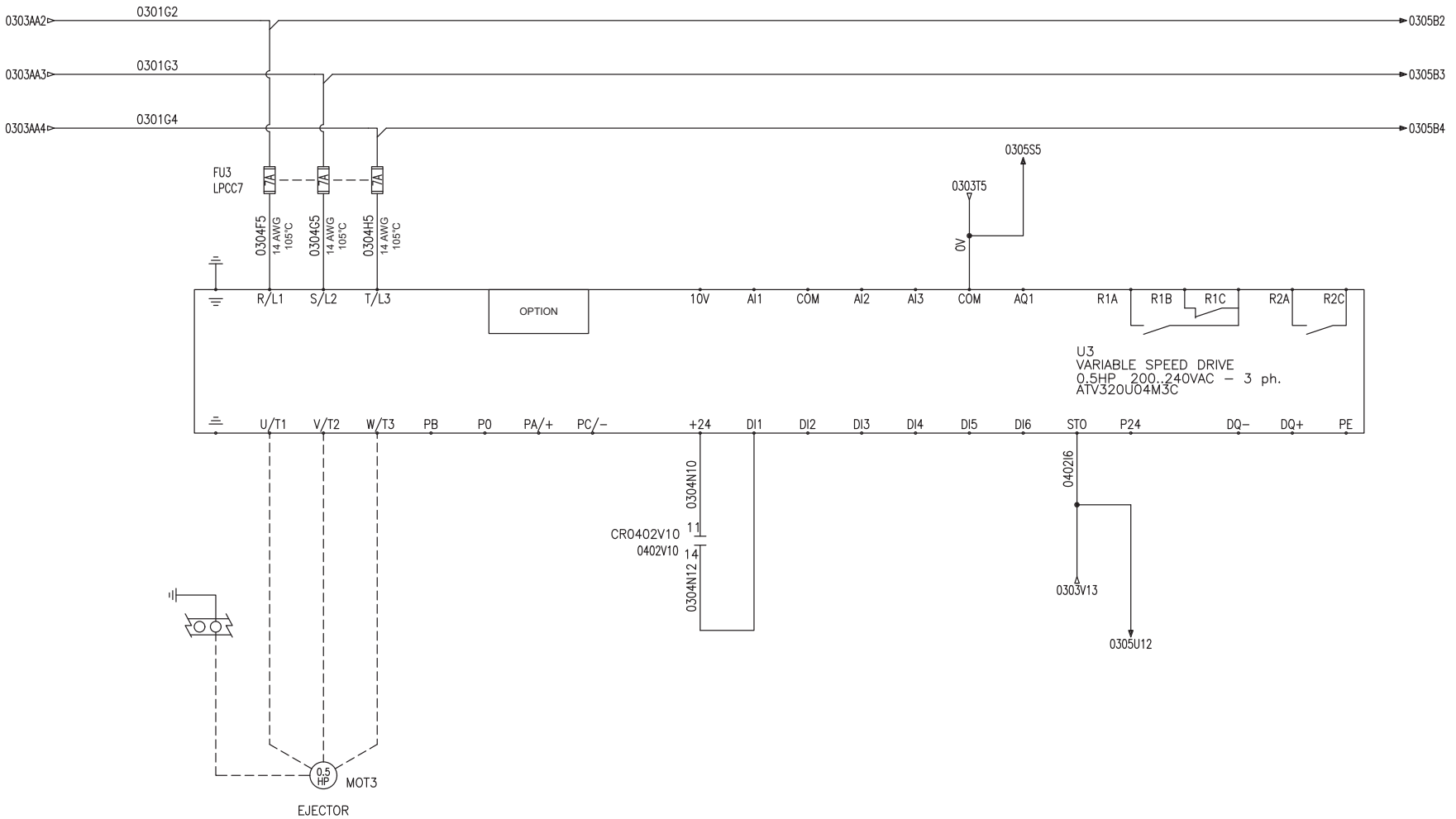
TITLE	DISTRIBUTION 230VAC

PROJECT	SECTION	PAGE	REVISION
F19–243	03	03	3



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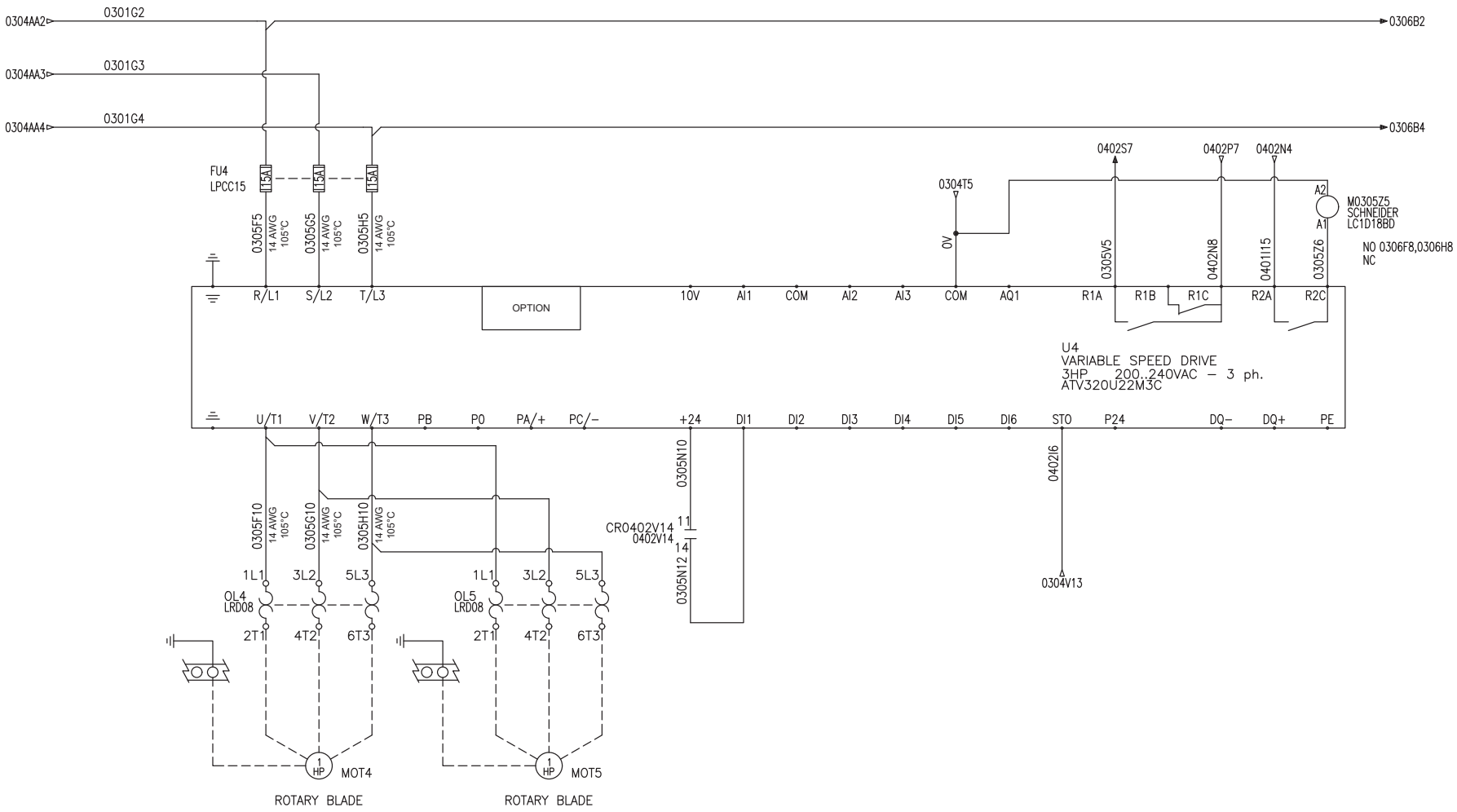
CUSTOMER	SYSTEME KLR INC.
PROJECT TITLE	PC–02650 ROTARY SLICER
TITLE	DISTRIBUTION 230VAC

PROJECT	SECTION	PAGE	REVISION
F19–243	03	04	3



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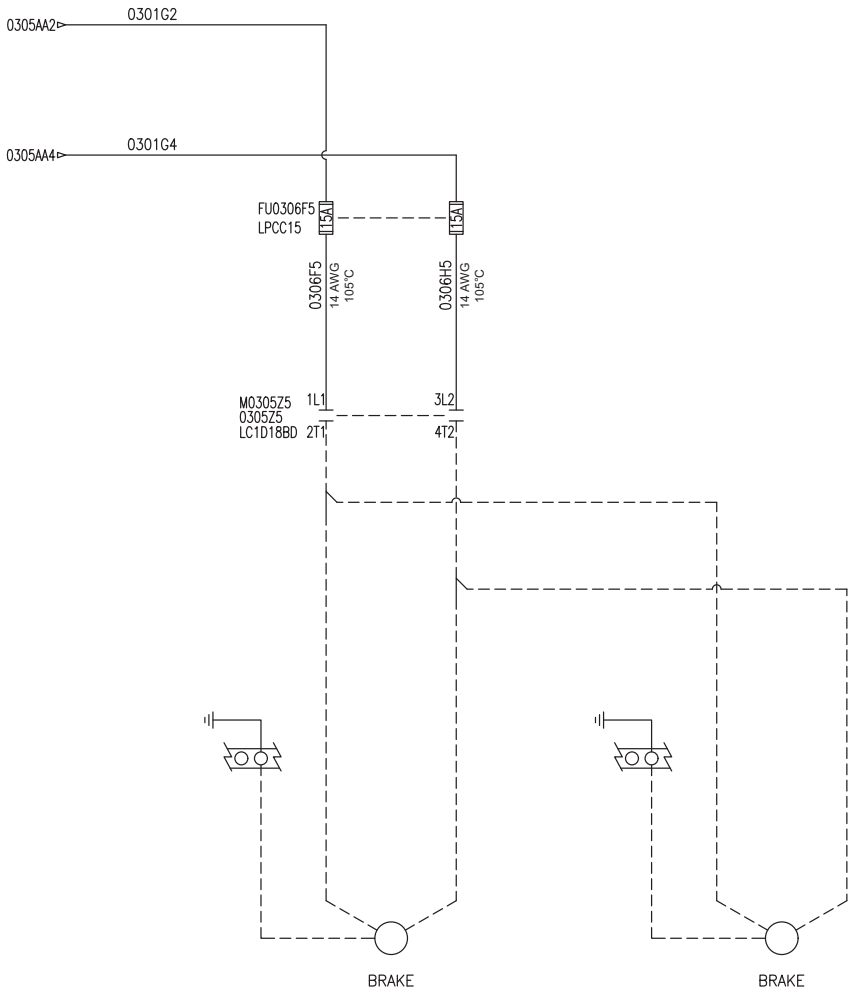
CUSTOMER: SYSTEME KLR INC.

PROJECT TITLE: PC-02650 ROTARY SLICER

TITLE: DISTRIBUTION 230VAC

PROJECT	SECTION	PAGE	REVISION
F19-243	03	05	3



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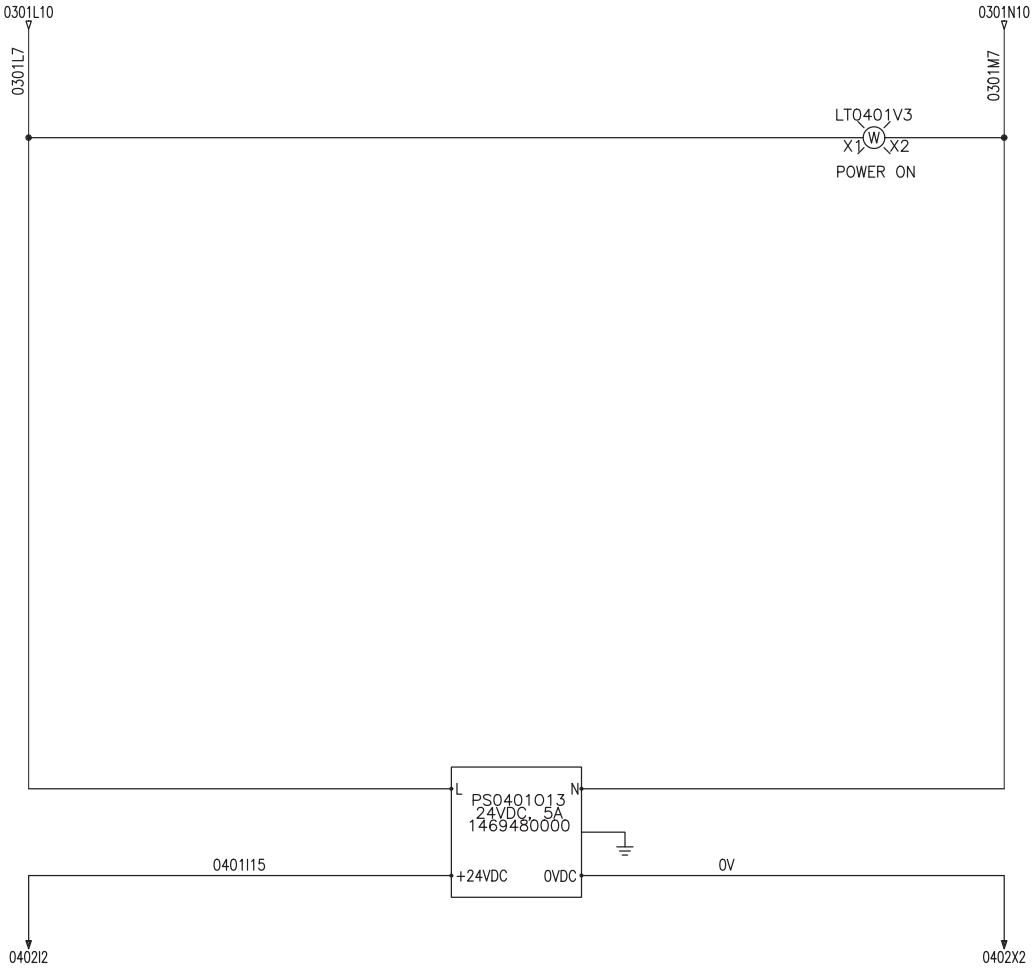
CUSTOMER	SYSTEME KLR INC.		
PROJECT TITLE	PC-02650 ROTARY SLICER		
TITLE	DISTRIBUTION 230VAC		
PROJECT	SECTION	PAGE	REVISION
F19-243	03	06	3



LEGEND

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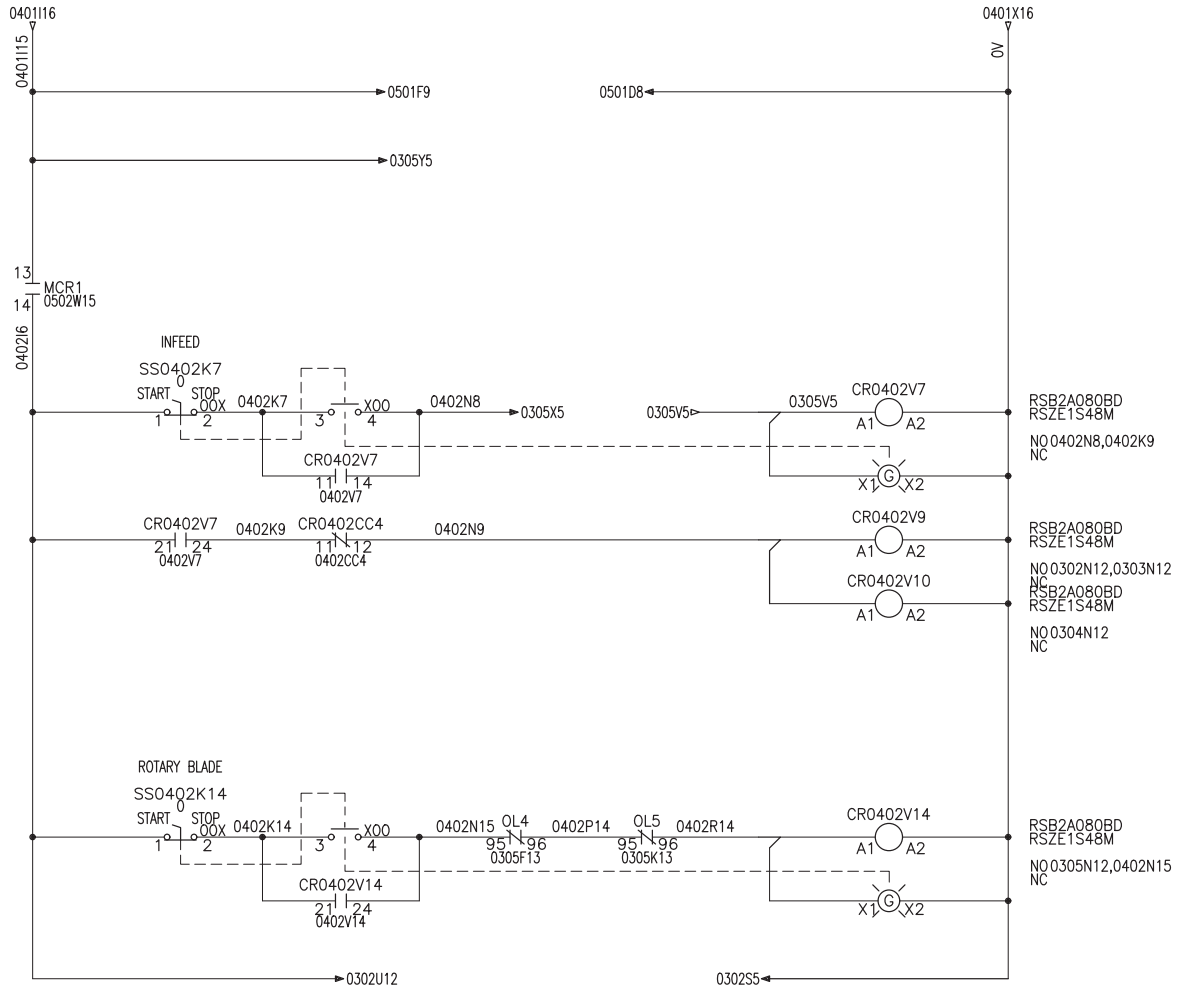
CUSTOMER: SYSTEME KLR INC.

PROJECT TITLE: PC-02650 ROTARY SLICER

TITLE: DISTRIBUTION 120VAC

PROJECT	SECTION	PAGE	REVISION
F19-243	04	01	3



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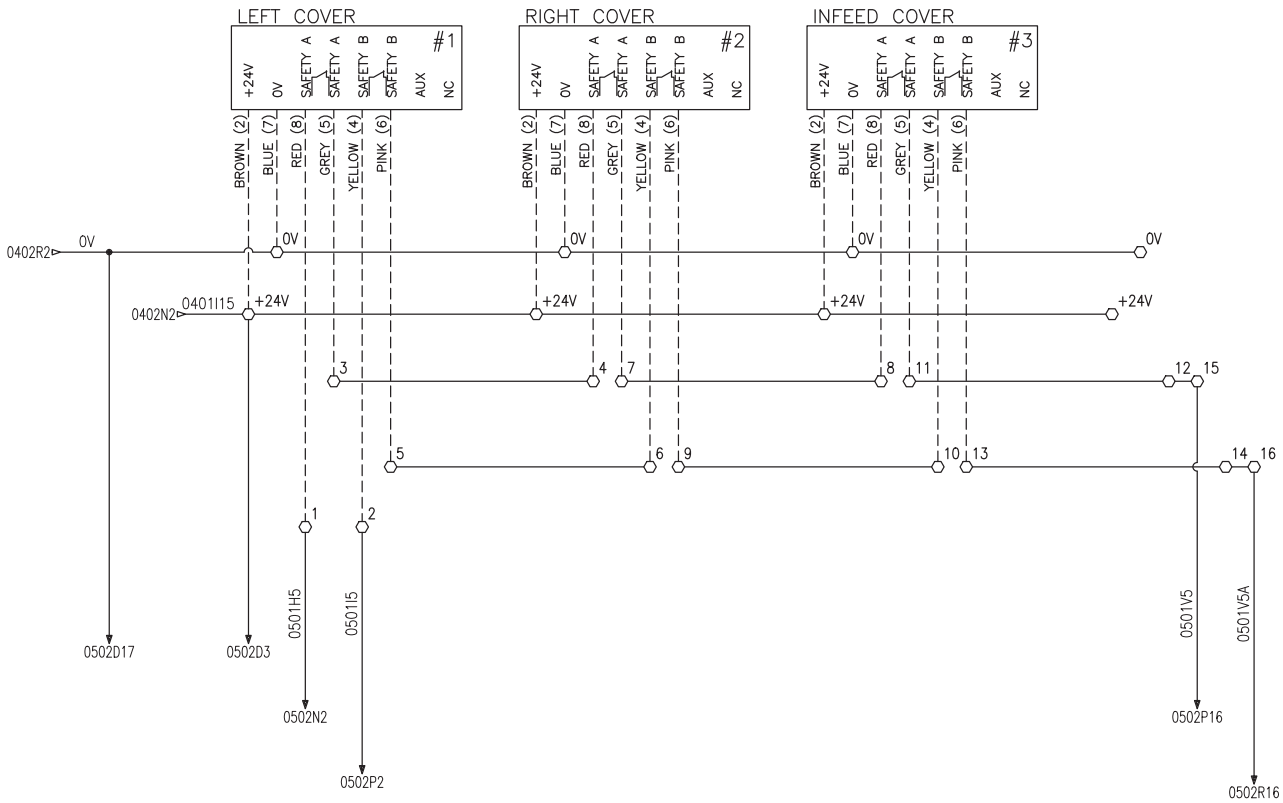
PROJECT TITLE: PC-02650 ROTARY SLICER

TITLE: DISTRIBUTION 120VAC

PROJECT	SECTION	PAGE	REVISION
F19-243	04	02	3



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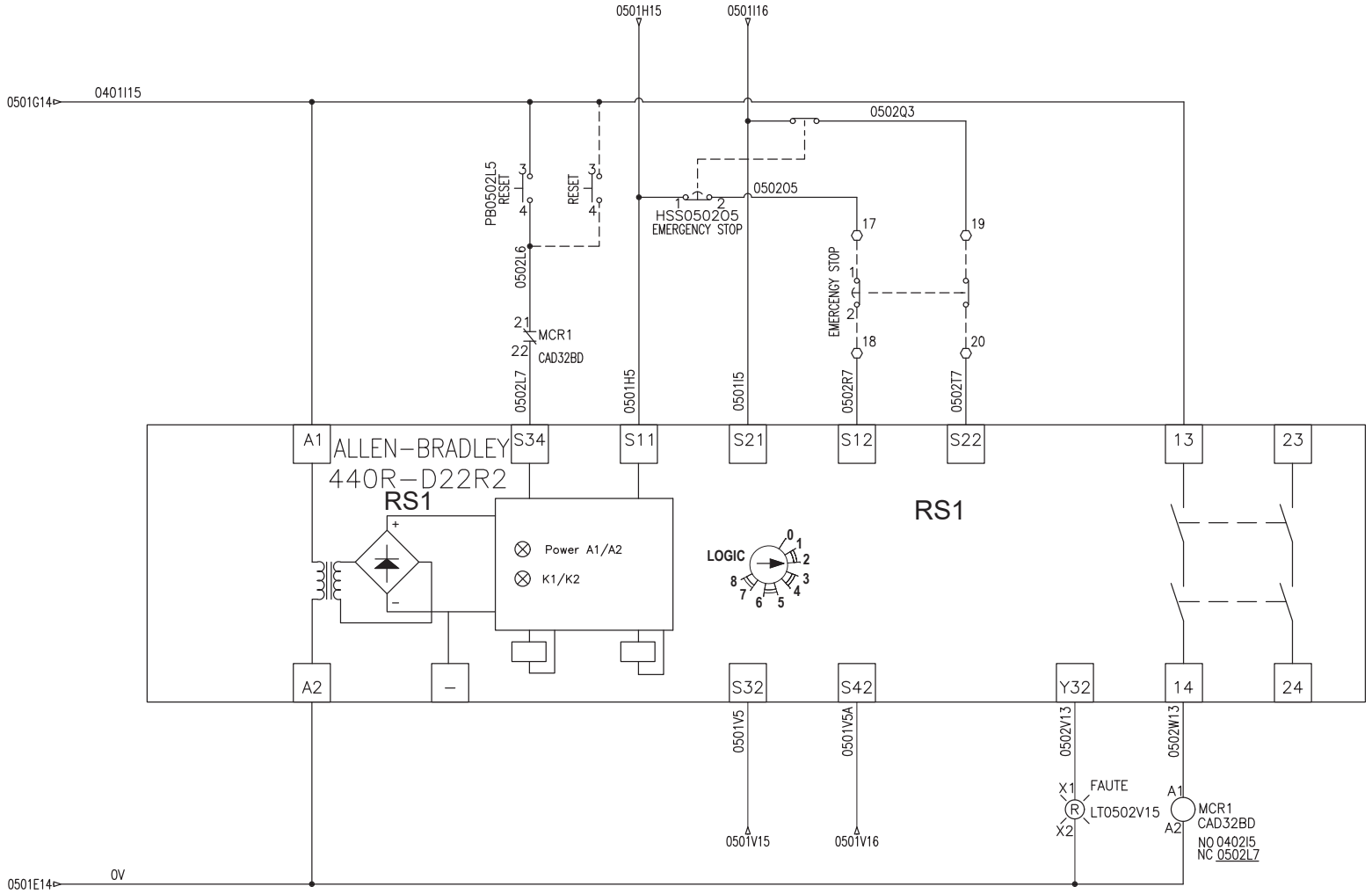
CUSTOMER	SYSTEME KLR INC.
PROJECT TITLE	PC-02650 ROTARY SLICER
TITLE	SAFETY MODULE

PROJECT	SECTION	PAGE	REVISION
F19-243	05	01	3



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CUSTOMER	SYSTEME KLR INC.
PROJECT TITLE	PC-02650 ROTARY SLICER
TITLE	SAFETY MODULE XPSAC5121P

PROJECT	SECTION	PAGE	REVISION
F19-243	05	02	3

NOTES