



**BACE**  
BALER AND COMPACTION EQUIPMENT



# OPERATIONS MANUAL

## FOR SELF CONTAINED AND STATIONARY COMPACTORS

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We meet ANSI Standard Z245.2



**ATTENTION INSTALLER**

**MAKE SURE THE FACILITY  
MANAGER RECEIVES THIS  
MANUAL AND THE  
WARRANTY REGISTRATION IS  
FILLED OUT AND MAILED!**



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## INTRODUCTION

Congratulations on the purchase of your new BACE equipment. This equipment is designed to provide safe, trouble-free operation for many years. All BACE equipment meets A.N.S.I. Z245.2 safety standards.

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This Owner/Operators Manual is presented to give the owner and or operator the necessary information to properly and safely operate the equipment. It also provides information for the routine maintenance and trouble-shooting.

It is the owners responsibility to insure the operator is thoroughly familiar with this manual and fully trained before operating this equipment. Federal regulation prohibits operation of this machine by people under the age of 18.

An additional owner responsibility is to insure that the unit's operation is in accordance with safety requirements and codes, especially all applicable Occupational Safety and Health Act (OSHA) and American National Standard Institute (ANSI) regulations. BACE strongly recommends that the current ANSI and OSHA standards be available to operators at all times.

**Failure to follow all prescribed safety instructions may result in Injury or Death.**

If, after thoroughly reading this manual there are questions about the operation or repair of the equipment, call BACE @ 877-506-2223(BACE).

Our customer support hours are 8:00 am-5:00 pm EST Monday-Friday.



## MANUFACTURERS LIMITED WARRANTY

### VERTICAL BALERS

BACE, LLC (herein referred to as "BACE") warranties parts and labor for a period of one (1) year on all equipment (unless specifically noted).

BACE provides an ADDITIONAL one (1) year parts and labor for all equipment that utilize a Submersible Power Unit (unless specifically noted).

BACE provides an additional two (2) years for parts replacement on major components (major components include cylinder, motor, pump and directional valve only), on all HD and XHD equipment. Balers with 1 Phase Power Units receive one (1) year parts and labor only.

BACE provides a total of ten years warranty (10) for the structure/frame on HD and XHD products and five (5) years warranty on all other equipment.

### COMPACTORS

BACE, LLC (herein referred to as "BACE") warranties parts and labor for a period of one (1) year on all equipment (unless specifically noted).

BACE provides an additional two (2) years for parts replacement on major components (major components include cylinder, motor, pump and directional valve only).

BACE provides a total of three years warranty (3) for the structure/frame on all equipment.

### HORIZONTAL COMPACTORS - Model - DC6343-830AT

BACE, LLC (herein referred to as "BACE") warranties the baler will be free from defective parts for a period of two (2) years or up to 4,160 hours of operation from date of shipment of the baler or 30 days from completion of manufacturing (whichever comes first) (4,160 hours is a period of time that corresponds to two full years, based on eight hours of operation per day, five days per week); parts and labor for a period of one (1) year on all equipment (unless specifically noted) ; and, be free from defective structural workmanship for a period of two (2) years or up to 4,160 hours of operation from date of shipment of the baler or 30 days from completion of manufacturing (whichever comes first) when used in accordance with specifications and instructions supplied by BACE (4,160 is a period of time that correspondsto two full years, based on eight hours of operation per day, five days per week).



## HORIZONTAL COMPACTORS - Model - Model - HCE 60 FE-8

BACE, LLC (herein referred to as "BACE") warrants parts and labor for a period of one (1) year on Model - HCE 60 FE-8 (unless specifically noted).

## VERTICAL BALERS AND COMPACTORS

BACE's warranty is based on an 8-hour day and is devised accordingly.

Following the completion of installation of the equipment at the end user's facility, and evidence by a signed and dated installation report, and warranty registration returned to BACE will substantiate the warranty. If no registration form is remitted or the installation is not provided by the factory, the warranty period shall be considered to start on the date of shipment. As limited herein, BACE warrants the equipment sold under this warranty to be free from defects in material and workmanship.

This warranty does not apply to any defects caused by negligence, misuse, modifications, alterations, water damage to NEMA 12 components or accidents by purchaser or third parties. Warranty extends only to the original consumer and is nontransferable.

Further, at BACE's sole discretion, should it be deemed that a baler or compactor has been used for a material that it was not intended or in a manner contrary to good and safe procedures, the warranty will be void.

BACE reserves the right to void the warranty if the provided warranty card was not fully completed and/or not returned to BACE within 14 days of Equipment Installation. BACE reserves the right to determine if part(s) are genuine and/or defective. This warranty does not apply to any part that has been altered or repaired by any person not authorized by BACE, or which has been subjected to misuse, neglect or accident, or by any other cause beyond the control of the manufacturer.

This warranty excludes any obligation by BACE for loss of product, down time,  
or any other incidental or consequential damage incurred at any time.

BACE neither assumes nor authorizes anyone to assume for it any other obligation or liability in connection with such balers, compactors or containers.

If BACE's authorized installer/distributor is not on site at the time of equipment start-up, any labor or mileage obligation under this warranty will be voided.

THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO BALERS, COMPACTORS  
AND CONTAINERS MANUFACTURED BY BACE AND IS EXPRESSLY IN LIEU OF  
ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED  
WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.



#### LIMITED WARRANTY INCLUDES:

- Repair, or replacement with a similar part, any part of the product of our manufacture which is returned to us within thirty (30) days after discovery of the defect, properly identified and transportation charges prepaid, and not more than 3 years, after purchase by original consumer.
- Shall furnish without charge, a similar genuine part to replace any part of a product of its manufacture, which proves to be defective in normal use and service during this period.
- Shall supply service labor for defective parts or workmanship with the manufacturer's equipment within the warranty period at the published BACE flat rate for mileage and labor.

#### LIMITED WARRANTY EXCLUDES:

- Any Any part(s), which has been altered, redesigned or repaired by any person or company not authorized by BACE.
- Water damage from outside storage, installation or operation.
- Any defected part which is the result of neglect of proper maintenance, improper installation, misuse, accident vandalism, fire or any other cause beyond the control of the manufacturer.
- Product of other manufacturers beyond such warranty as is made by such manufacturer is null and void from this warranty.
- Shipping and special handling charges to expedite part shipment.
- Maintenance instructions and proper cleaning instructions were neglected, which are determined by BACE.
- Ejector Chains and Limit Switch adjustments
- Broken or bent Cylinders (see details below)

### PROCEDURES FOR WARRANTY CLAIMS

#### PROCEDURES FOR WARRANTY CLAIMS FOR DEFECTIVE PARTS:

ALL THE FOLLOWING PROCEDURES MUST BE FOLLOWED ON ALL PART RETURNS

DURING THE WARRANTY PERIOD. FAILURE TO COMPLY WITH THE FOLLOWING PROCEDURES WILL ABSOLVE BACE OF SUCH CLAIMS.  
(SEE ATTACHED WARRANTY POLICY)

BACE CUSTOMER SERVICE: 877-506-2223(BACE)



#### MOTORS:

1. Once checked by a qualified technician who determines that no problems exist with fuses or wiring from incoming power source, then call BACE Service Department to notify us of the problem with the product model and serial number, and verify your warranty period and receive a warranty RGA number. We will then direct you to the nearest factory authorized motor diagnostic/repair facility.
2. If the factory facility determines that the problem is a factory defect, then the factory facility will replace the motor at no charge.
3. If it is determined that the motor problem was not due to a factory defect, then it will be the customer's responsibility to replace the motor.
4. BACE is not responsible for pick-up and delivery charges to the factory facility.

#### HYDRAULIC CYLINDERS:

1. Once checked by a qualified technician who determines that there is a problem with the cylinder, then call BACE Service Department to notify us of the problem with the product model and serial number, and verify your warranty period and receive a warranty RGA number.
2. BACE will at that time ship out a replacement cylinder from BACE or the cylinder manufacturer. Shipment will be normal freight rate, unless otherwise specified by the customer. For shipments other than normal freight (i.e. The determination of overnight shipping costs will be made solely by BACE.)
3. The customer is responsible for shipment of the defective cylinder, within 30 days, to BACE to determine the final warranty status.
4. In the event the cylinder is not received within the allotted time frame, then the customer will be billed the total amount of the replacement cylinder plus S & H.
5. BACE will not in any circumstance warrant a cylinder that has been used to compress material outside of its designation, nor will cylinders be warranted that bend or break as a result of side-loading. This is not a common occurrence but does happen when balers are unevenly loaded. In these instances the cylinder will fail and will not be warranted.

#### ALL OTHER PARTS:

1. Once checked by a qualified technician and determined that there is a problem with the part, then call BACE Service Department to notify us of the problem with the product model and serial number, verify your warranty period, and receive a warranty authorization number.
2. BACE will at that time ship out a replacement part from BACE or authorize the customer to purchase the part from an authorized distributor, factory warehouse. Shipment will be normal freight rate, unless otherwise specified by the customer. For shipments other than normal freight (i.e. The determination of overnight shipping costs will be made solely by BACE.)



3. It is the customer's responsibility to ship the defective part back to BACE within 30 days with the RGA#, at BACE's discretion.
4. If the part is not received within 30 days and or if the part does not pass warranty inspection, the customer will be invoiced for the part and will not be held responsible for any charges for the corresponding repair.
5. All labor and travel will be paid per BACE's flat rate schedule. The work required to replace any part must first be authorized by BACE. (See below for Flat Rate Schedule).

The invoice from the customer must be itemized to include model, serial number of unit, work performed, an BACE warranty authorization number, location of equipment, labor hours & mileage.

#### FLAT RATE SCHEDULE FOR LABOR AND MILEAGE:

1. In all cases of replacement of parts, repair of structural components the customer is required to call in to BACE Service Department for a "Warranty Authorization Number." In cases where the work has begun and will exceed the Flat Rate Schedule more than 5% of the original estimate, you will be required to contact the Service Department for approval. In cases where the hours exceed the original flat rate schedule and/or work not authorized with a Warranty Authorization Number, that claim on the excess will be denied. NO CREDIT will be allowed for labor hours spent on the inspection or diagnosis of equipment problems.
2. In cases of structural repair by welding, re-fabrication, or modification of an existing design, an official authorization must be obtained from the BACE Service Department prior to work. The request must have the model number, serial number, brief description or drawing of work to be done
3. Warranty rates must be approved by BACE prior to the work being performed. We understand that in some instances an additional technician or helper may be required. This possibility has already been included in our total hours.
4. Travel time - BACE will reimburse at the same labor rate for the time approved by BACE and the travel incurred by the Service Technician.

NOTE: BACE uses mapping software to determine the time required for each Service request. Time will be adjusted to reflect actual time.

#### PARTS WHICH HAVE BEEN REPLACED:

5. In the event that a part fails during the first twelve month's of the equipment's warranty, the replaced part will be warranted for one (1) year from the time of installation. The labor to replace this part will be covered for 90 days after installation or the remainder of the original machine warranty, whichever is longer.



- 6. In the event that a part fails during the "part's only" period of a equipment's original warranty, the replaced part will have a one (1) year warranty and the labor to replace this part will be covered for 90 days after installation.
- 7. Replacement Parts will have a one (1) year parts only warranty.

**CAUTION:** Only factory original replacement parts or equivalent should be used to insure proper operation of equipment.

**FAILURE TO COMPLY WITH ALL OF THE ABOVE PROCEDURES WILL VOID ALL WARRANTY CLAIMS**

BACE has established some basic guidelines which will be used for the purpose of estimating jobs. These types of calls do not entail every possible scenario but do cover a majority of the issues that equipment may encounter. BACE, through its years of experience directly, and indirectly through our broad service providers has developed a grid to use for the amount of time required to fix a particular issue. The times noted below are the maximum allowable unless written authorization is received by BACE.

Service Required .....	Man-hours Allowed
Replace Pump .....	1
Replace Motor .....	3
Replace/Adjust Limit Switch.....	0.5
Replace Cylinder.....	4
Repack Cylinder .....	5
Replace Directional Valve .....	1
Replace Pressure Switch.....	0.5
Electrical diagnosis / troubleshooting .....	1.5



## PRE-OPERATION

The Compactor requires adequate clear space and height for proper installation and operation. Please refer to your equipments spec sheet for requirements. This space should always be kept clear of materials which could interfere with the safe operations of the compactor.

## ANCHORING

BACE recommends mounting the compactor on a pad of steel reinforced concrete with a minimum of 3000 psi capacity. The pad should be at least 6 inches deep, 10-12 ft. wide and 40 feet long. The guide rail should be anchored to the pad adequately. Please refer to your equipments spec sheet for requirements. To allow for construction variances, the holes should be drilled after locating the compactor in the desired position.

## ELECTRICAL

A lockable fused disconnect switch (customer furnished) must be installed within 10 feet, and in the line of site of the compactor electrical enclosure. This disconnect must be sized in accordance with the compactor motor and voltage. (See Figure 1.1 for Single Phase and Figure 1.2 for 3 Phase).

## HYDRAULIC

Check for any hydraulic oil leaks and make sure that all hoses are tight.

**NOTE: Ensure the plug has been removed from the hydraulic reservoir and the breather cap is installed. Failure to do this step will result in the Power Unit being damaged!**

## SAFETY

- ONLY AUTHORIZED PERSONNEL SHOULD BE ALLOWED TO OPERATE OR SERVICE THIS COMPACTOR.
- DO NOT OPERATE COMPACTOR WITHOUT THOROUGH UNDERSTANDING OF INSTRUCTIONS.
- DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF ANY SAFETY SWITCH!
- DO NOT OPERATE COMPACTOR UNLESS ALL GUARDS ARE COMPLETELY IN PLACE.
- KEEP CLEAR WHILE CONTAINER IS BEING LIFTED
- LOCK-OUT / TAG-OUT PROCEDURE MUST BE FOLLOWED BEFORE THE COMPACTOR OR CONTAINER CAN BE ENTERED OR SERVICED & BEFORE DIS-ENGAGING CONTAINER BINDERS.
- THE COMPACTOR SHOULD NOT BE STARTED UNTIL ALL WORKERS HAVE EXITED AND MOVED OUT OF THE WAY OF ALL MOVING COMPONENTS
- DO NOT CLIMB THE COMPACTOR OR CONTAINER UNDER ANY CIRCUMSTANCE.
- IF APPLICABLE, BE SURE THAT THE SECURITY GATE OR DOOR IS CLOSED BEFORE THE COMPACTOR IS STARTED.



## FINAL CHECKLIST BEFORE OPERATING YOUR COMPACTOR FOR THE FIRST TIME

- Make sure all appropriate safety decals are present and in their proper locations.
- Check the compactor motor is wired for the correct voltage.
- Check that motor rotation is clockwise.
- Check that the motor starter has the correct thermal overloads for the installed voltage and that the transformer is wired for the correct voltage.

## ELECTRICAL REQUIREMENTS

Figure 1.1 Single Phase Motor Voltage

Motor	Voltage	Full Load Amps	Power Supply Required
2HP	110V	21	30
2HP	208V	13	30
2HP	220V	10.8	30
10HP	220V	50	100

Figure 1.2 Three Phase Motor Voltage

Motor	Voltage	Full Load Amps	Power Supply Required
10HP	208V	30	60
10HP	230V	28	60
10HP-SUB	415V	16.5	30
10HP	480V	14	30
10HP	575V	11	30
10HP	220V/240V	32	60
10HP	280V/400V	18	40
15HP	208V	46	80
15HP	230V	41	80
15HP	480V	20	40
15HP	575V	17	40
20HP	208V	59	100
20HP	230V	54	100
20HP	460V/480V	27	50
20HP	575V	22	50



## MAINTENANCE INFORMATION

**Note:** BACE recommends that you maintain a record of your preventative maintenance inspections. Failure to perform regular maintenance may result in damage to the Compactor.



### CAUTION

**LOCKOUT / TAGOUT:** No Adjustments, Repairs, Or Cleaning should be done to the compactor without performing the Lockout/Tagout procedures located on Page 17 of this manual.

#### DAILY:

- Inspect for Oil Leaks.
- Inspect Oil Level.
- Inspect the following for Loose, Damaged or Missing:
  - Welds
  - Safety Decals
  - Guards
  - E-Stop Switch
  - Interlock Switch
  - Key Switch
  - Security Door (Hinges and Locking Mechanism)
  - Door Seal (Check for Material Blockages)
  - Ratchet Binder
- Inspect for Debris:
  - Remove All Debris Around Compactor
  - Inspect Chute for Material Bridging

#### MONTHLY:

- Check for Signs of Wear:
  - Oil Leaks
  - Door Hinges/Hand Wheel for excessive play
  - Lubricate moving parts (Hinges and Turnbuckle)  
(Repair or Replace if Required)
- Check Hydraulic Oil.
  - Should not be Cloudy or Milky in appearance (Replace if Required)
- Check Air Breather/Filter. (Replace if Required)
- Check Oil Filter; located in the Hydraulic tank under the access panel.
  - Change Every 12 Months
- Check Hydraulic Fittings and Connections. (Repair or Replace as Required)
- Perform a perimeter inspection for refuse, leaks or other damage



## YEARLY:

BACE recommends that an annual preventative maintenance schedule be arranged with your installer. Compactor should be inspected one year after the compactor has been installed or twice per year if the compactor is used on multiple shifts.

Should you have further questions regarding annual PM's on your compactor, please call our corporate offices at 877-506-BACE (2223)

## CAUTION

LOCKOUT / TAGOUT: No Adjustments, Repairs, Or Cleaning should be done to the compactor without performing the Lockout/Tagout procedures located on Page 17 of this manual.



**PARTS LIST** - Please have the SERIAL # of the machine before calling for parts.

**POWER UNITS**

SC Power unit assy .....	20-E200-00-01
Motor 10HP/3PH .....	20-0000-25-02
Pressure switch .....	20-0000-23-07
Key .....	15-0000-30-K1
PLC.....	15-0000-26-P1
GEAR PUMP12.8gpm.....	20-0000-25-01
GEAR PUMP 10.5gpm.....	20-0000-25-03
GEAR PUMP(DYNAMIC FLUID POWER).....	20-0000-25-04
DIRECTIONAL VALVE(Nachi).....	20-0000-25-33
DIRECTIONAL VALVE(HY VAIR).....	20-0000-25-34
Directional Valve RECTIFIER BOARDS(PAIR).....	20-0000-25-35
CURLY CORD(MSC).....	15-0000-17-C1
3/4 A-B PORT SUB PLATE .....	20-0000-02-SB
RELIEF VALVE.....	20-0000-25-05
4000PSI PRESSURE GAUGE .....	20-0000-25-32
1" SUCTION STRAINER .....	20-0000-25-16
TRANSFORMER 460/208-115v.....	15-0000-26-T1
MOTOR STARTER CC-40 .....	15-0000-25-M1
MOTOR STARTER OVERLOAD FOR CC40 .....	15-0000-25-M2
MOTOR STARTER(C60).....	15-0000-25-M3
MOTOR STARTER OVERLOAD for C60.....	15-0000-25-M4
MOTOR STARTER(C43).....	15-0000-25-M5
MOTOR STARTER OVERLOAD.....	15-0000-25-M6
RELAY 8 Pin .....	15-0000-26-R1
RELAY BASE 8 Pin.....	15-0000-26-R2
KEY SWITCH 22 MM.....	15-0000-23-K0
BASE & CONTACT FOR 22 MM KEY SWITCH.....	15-0000-23-K2
GREEN PUSH BUTTON 22 MM .....	15-0000-23-G1
YELLOW PUSH BUTTON 22 MM .....	15-0000-23-Y1
E-STOP BASE AND CONTACTS 22 MM.....	15-0000-23-EB
E-STOP PUSH BUTTON 22 MM .....	15-0000-23-E1
RESET BUTTON .....	15-0000-23-R1
BREATHER CAP .....	20-0000-25-12
MAGNALINK DOOR INTERLOCK.....	15-0000-25-L3



## MECHANICAL

Ratchet binder SC .....	17-S000-RB-K0
Hose Kit SC.....	18-E000-00-00
SC Bull nose roller .....	22-E000-NR-01
8" ground roller .....	22-E000-GR-01
C3 Ratchet Binder .....	17-S000-RB-K3
SC Door Seal.....	17-S000-DS-01

## CYLINDERS

SC 4 x 32 cylinder .....	17-S000-CY-01
Door Seal SC 30/35 SC .....	17-S000-CY-02
C3 Cylinder 6 x 67 .....	17-S000-CY-03



## COMPACTOR LOCKOUT/TAGOUT

### CAUTION

Before performing any maintenance, always "LOCK AND TAG OUT THE DISCONNECT."

Before entering any part of the compactor, be sure that all sources of energy have been shut off, all potential hazards have been eliminated, and the compactor is locked-out and tagged-out in accordance with OSHA and ANSI requirements. If the ram is pressing against a load, move the ram rearward before shutting the compactor down. The specific lock-out and tag-out instructions may vary from company to company (i.e. multiple locks may be required, or other machinery may need to be locked-out and tagged-out). The following instructions are provided as minimum guidelines.

1. Move the main disconnect lever to the OFF position.
2. Padlock the disconnect lever with a keyed padlock and take the key with you.
3. Along with the padlock, place an appropriate, highly visible, warning tag on the disconnect lever. The tag should provide a warning such as:  
"Danger: Do not operate equipment. Person working on equipment." or  
"Warning: Do not energize without the permission of \_\_\_\_\_."
4. After locking and tagging the compactor, try to start and operate the compactor (as outlined in the Operating Instructions) to make sure the lock-out and tag-out is effective. If the lock-out and tag-out is effective, remove the key from the keyswitch and take with you.

**ELECTRICAL:** The motor control panel contains high voltage components. Only authorized service personnel should be allowed inside the panel. Authorized service personnel should be allowed inside the panel only after the compactor has been locked-out and tagged-out.

**HYDRAULIC:** Stored hydraulic energy must be removed from the compactor hydraulic circuit for complete lock-out and tag-out. Make sure that this energy has been relieved by manually depressing the solenoid valve pin located in the center of each coil end of the directional control valve.



## EMERGENCY OPERATION

Should an emergency occur while operating the compactor, press the **RED STOP BUTTON** and the compactor will terminate all functions and shut down.

**EVERYONE AUTHORIZED TO OPERATE THE COMPACTOR  
SHOULD KNOW THIS EMERGENCY PROCEDURE.**

**CAUTION! IMPORTANT! READ BEFORE OPERATING THE COMPACTOR.**

BACE Compactors meet safety standards set by A.N.S.I. Although BACE has included many safety features in the design and construction of the compactor, safe operation of the equipment depends on the operator's adherence to the certain guidelines. To prevent accidents to the personnel or damage to the compactor, the operator **MUST NEVER VIOLATE ANY OF THE FOLLOWING SAFETY PRECAUTIONS**. It is the client's responsibility to ensure these guidelines are known and followed by all operators of the compactor.

### NOTE:

Publication of these safety precautions does not imply or represent an inclusive list.

**NEVER** place hands or arms in the compactor while it is operating.

**NEVER climb in or on the compactor, nor perform any maintenance/repairs unless the power is disconnected and locked out.**

**NEVER** allow anyone except qualified electrical or hydraulic repair persons to work on the equipment.

**NEVER** disable any safety switch.

**NEVER** overload the compactor chamber.

**NEVER** place concrete, heavy steel plate or castings, explosive materials, liquids, nor hazardous waste in the compactor.

### NOTE:

Hydraulic oil is the primary element of power transmission on the compactor. Remember that hydraulic systems can remain pressurized even after the motor has stopped and the power is disconnected.



## COMPACTOR OPERATIONS

1. First, place the material to be discarded into the compactor. Note: If you are loading the compactor through a door or gate, close it before starting the compactor
2. **KEYED ON/OFF SWITCH** - This switch requires a key for operation. Insert the key and turn to the ON position. Depress and hold the start button for one to two seconds and release. The compactor will cycle one time (complete extension and retraction of the ram) and stop. If the compactor use a multi-cycle timer, the compactor will cycle multiple times and stop. After use, turn the key to the OFF position and remove the key.
3. **EMERGENCY STOP MUSHROOM HEAD PUSHBUTTON** - When depressed, this pushbutton will stop all powered operation of the compactor.
4. **REVERSE PUSHBUTTON** - This pushbutton will reverse the compaction ram when depressed. The Keyed ON/OFF Switch must be energized for the REVERSE button to operate.

## OPTIONAL CONTROLS

**HAULER PACKOUT CONTROL (Hold-To-Run, Release-To-Stop)** - Actuation requires depressing the "Hold-To-Run" and "Start" buttons. If the "Hold-To-Run" or Stop button is released, the unit will stop instantly.

**CONTAINER FULL LIGHT** - When the light is on, the container is full and is ready to be emptied before its next use. To deactivate the light, depress the illuminated emergency stop button. (The unit will not run while the light is on.)

**ADVANCE WARNING LIGHT** - When the light is on, the container is nearing the full level and a pick up call should be made.

**RAM STOP FORWARD** - When a machine with this option has been stopped, the ram automatically begins to move rearward when restarted.

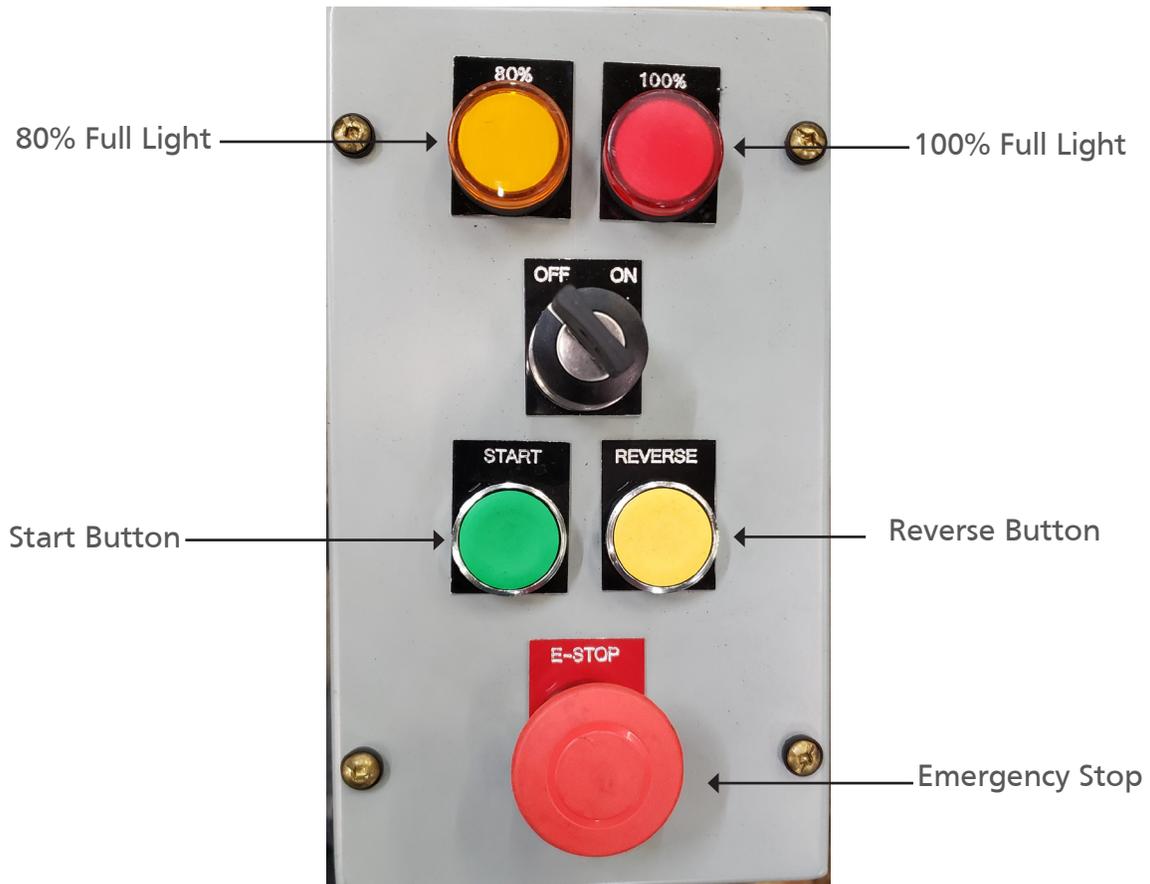
**CYCLE TIMER** - This option is used when more than one cycle is desired. This setting is adjustable.

**ACCESS INTERLOCK** - This is optional with units equipped with doors, chutes, or access gates. It prevents the unit from operating while a door or gate is open.

**IN CASE OF EMERGENCY:** Push the large red button to STOP



## CONTROL PANEL





## TROUBLESHOOTING GUIDE

NOTE: ONLY FACTORY AUTHORIZED SERVICE REPRESENTATIVES SHOULD MAKE ADJUSTMENTS OUTSIDE THE SCOPE OF THIS MANUAL.

### CAUTION

Before performing any maintenance, always "LOCK AND TAG OUT THE

#### MOTOR WILL NOT OPERATE:

- Check fused disconnect.
- Check motor starter thermal overloads. Reset if necessary.
- Check motor starter coil.
- Check that chute door or gate is fully closed.

#### MOTOR RUNS BUT PLATEN DOES NOT MOVE

- Check for proper motor rotation. (clockwise from the fan end)
- Check the directional valve for proper operation.
- Check the pressure switch.
- Check the relief valve for proper adjustment.
- Check the hydraulic fluid level. (Some may have Optional Low Oil Light)

#### COMPACTOR WEIGHTS ARE LOW

- Check for proper system pressure.
- Check for proper relief valve adjustment.
- Check for proper pressure switch adjustment.

#### COMPACTOR SHIFTS ERRATICALLY

- Check for proper system pressure.
- Check for proper pressure switch adjustment
- Check relays and bases for signs or arcing.
- Check directional valve.

#### COMPACTOR MAKES EXCESSIVE NOISE

- Check hydraulic fluid level.
- Check for water or air in hydraulic fluid.
- Check oil filter and suction lines components for tightness.

#### OVERLOADS TRIP FREQUENTLY

- Check for correct voltage (incoming power.)
- Check fuses or breakers at disconnect
- Check heater elements to be sure they are tight
- Check wiring from starter to motor to make sure all connections are tight
- Check motor leads to be sure all connections are tight surges or voltage NOTE: Excessive overload tripping and/or motor or coil failures may occur if voltage surges or voltage drops are frequent in your area. This circumstance can be remedied by the installation of phase protectors which drop power to the motor if surges are present.



## Warranty Registration and Customer Acceptance Form

Complete and mail/fax to:

BACE, LLC - 322 West 32nd Street, Charlotte, NC 28206 OR Fax: (704) 394-2210

**FORM MUST BE FILLED OUT AND EMAILED, MAILED or FAXED WITHIN 7 DAYS OF INSTALLATION**

MODEL	SERIAL NUMBER	INSTALLATION DATE	PURCHASE DATE	PURCHASED FROM

Purchasing Company: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

### Installer Installation Check List:

- Fuse disconnect and with pigtail installed.
- Is supplied voltage compatible with compactor specifications.
- Check feed door and/or security gate.
- Check all electrical connections are tight.
- Check hydraulic level in sight glass.
- Check hydraulic hoses and fittings.
- Compactor, guide rails and stanchions are lagged down.
- Breather cap is installed.
- All Decals are in place and undamaged.
- Compactor has been checked for scratches and repaired if required.
- Check chute for completed welds and caulking.
- Check thru the wall kit is installed.
- Check to make sure the hose stand is installed and lagged down.
- Check Security Door Interlock

### Installer Post-Installation Customer Acceptance Check List:

- Owner/Operator has manuals, extra copies of electrical and hydraulic schematics and keys.
- Owner/Operator has been properly trained in the operation and safety features.
- Compactor is free of scratches and/or damaged decals.
- Pictures of Installation required to be sent to BACE - full front, full left side, full right side.

INSTALLER NAME & SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

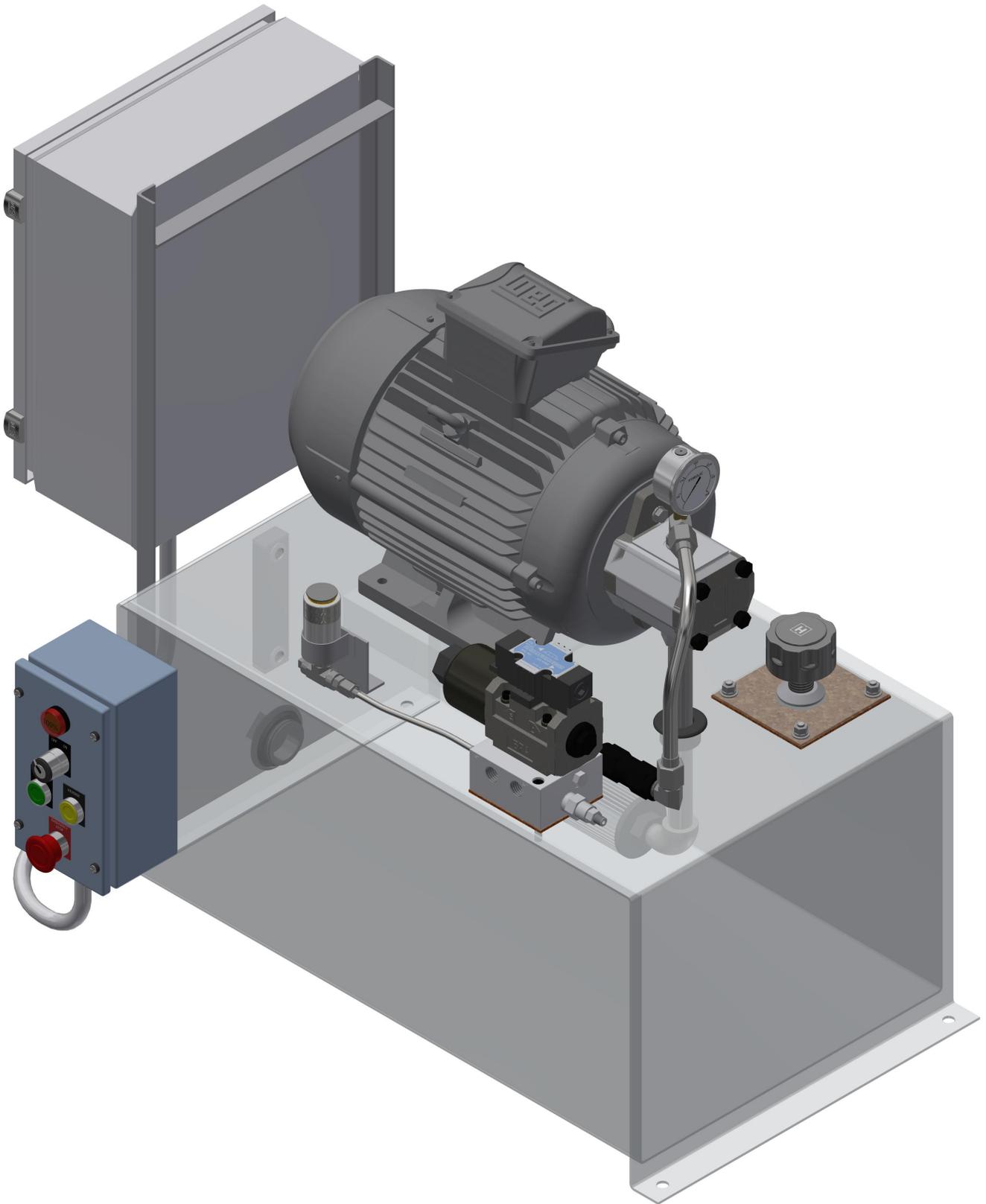
CUSTOMER NAME & SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

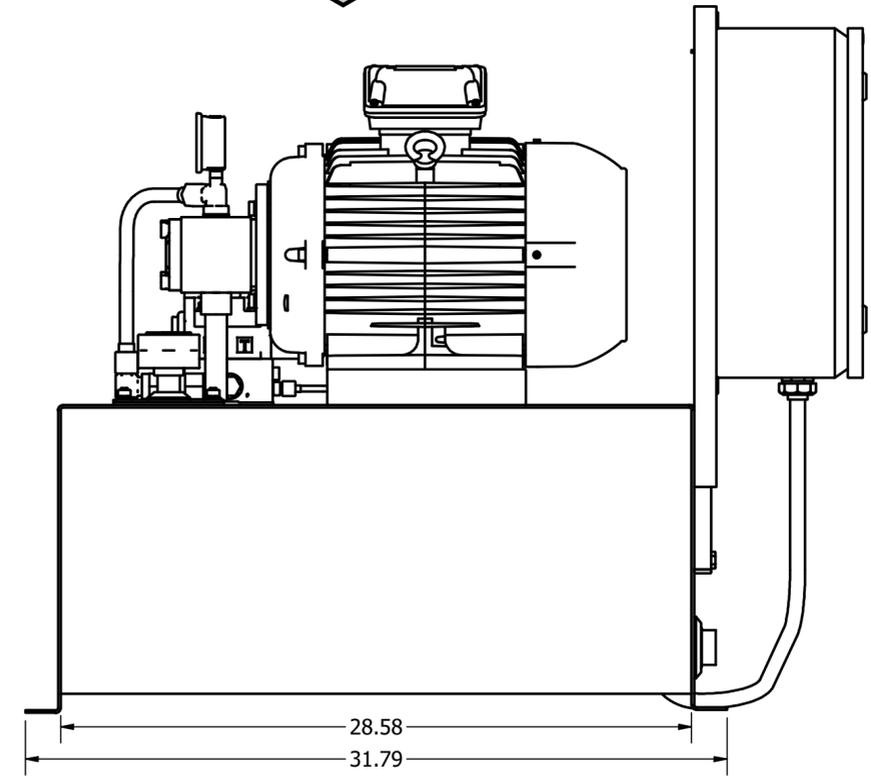
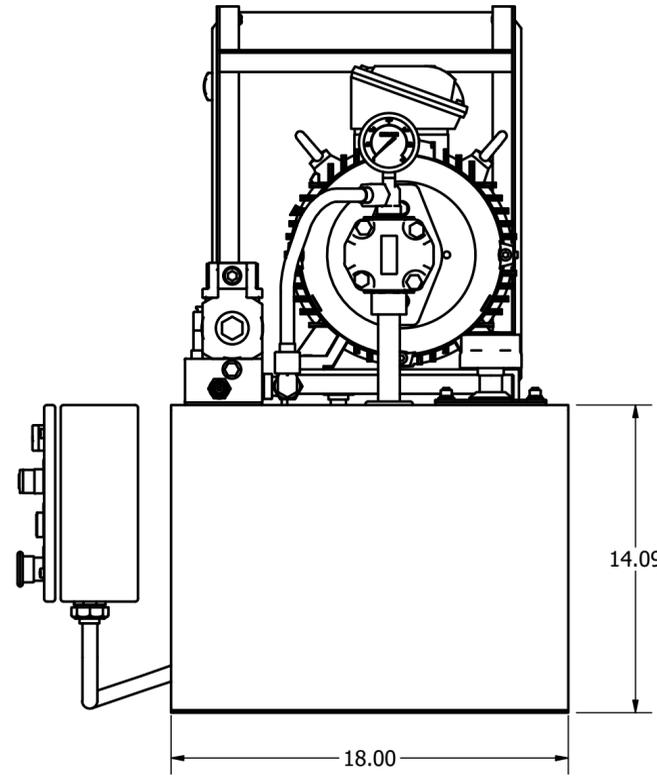
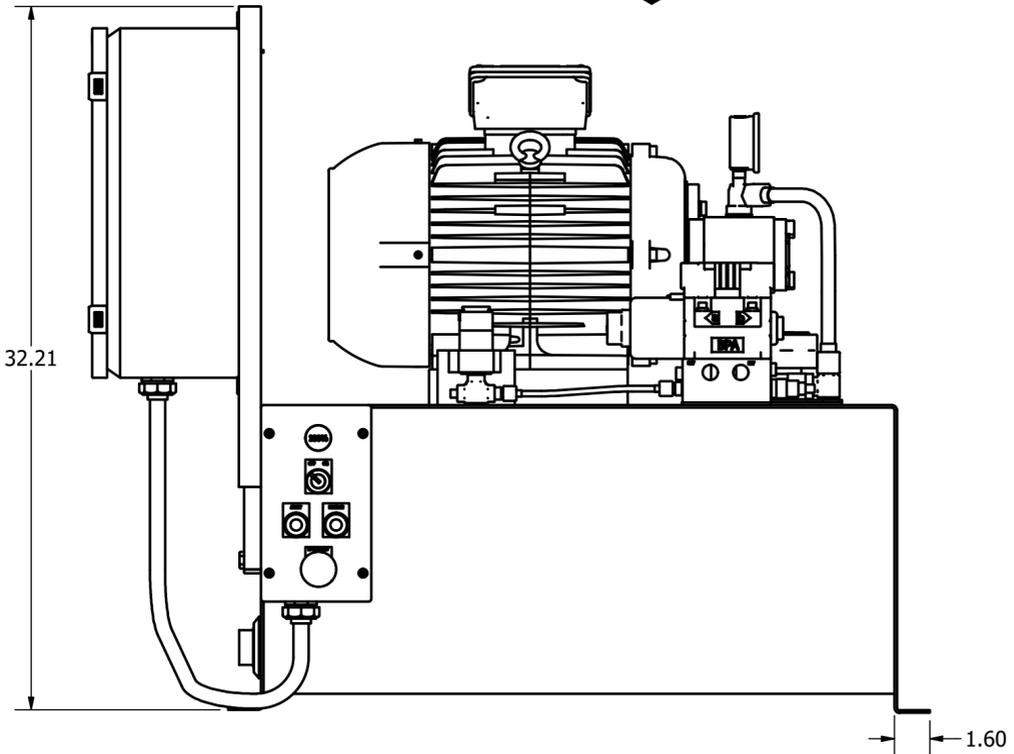
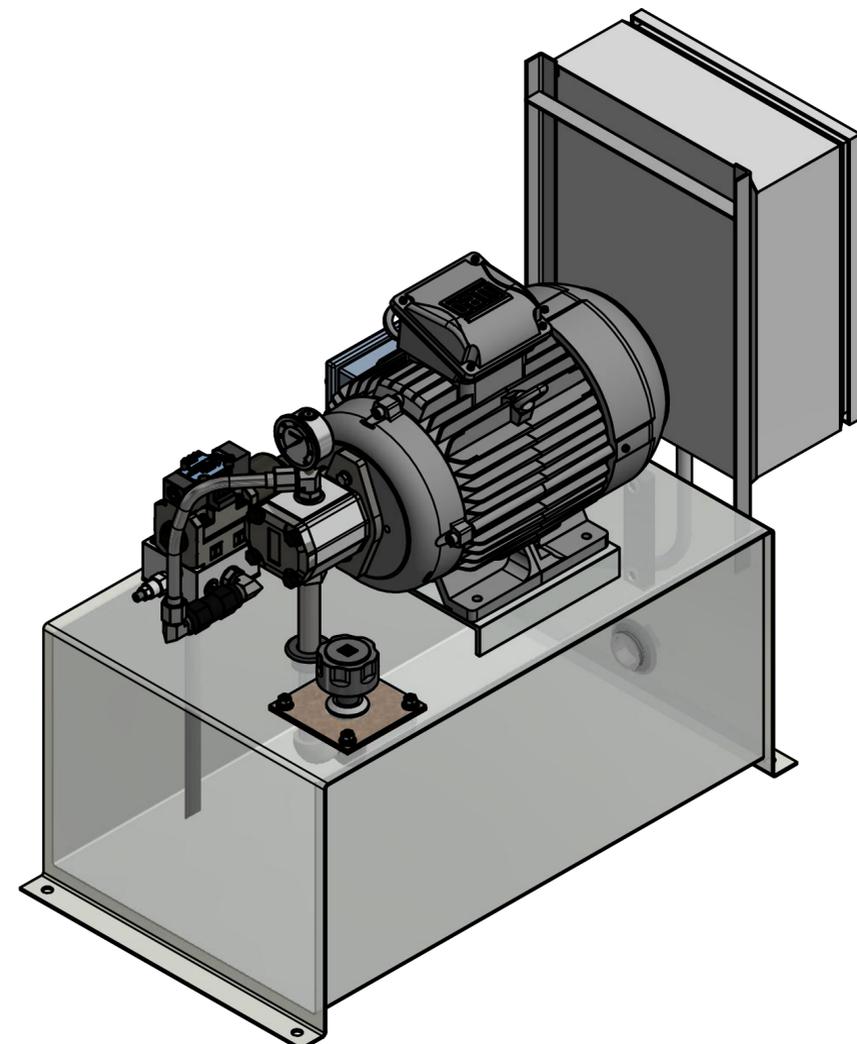
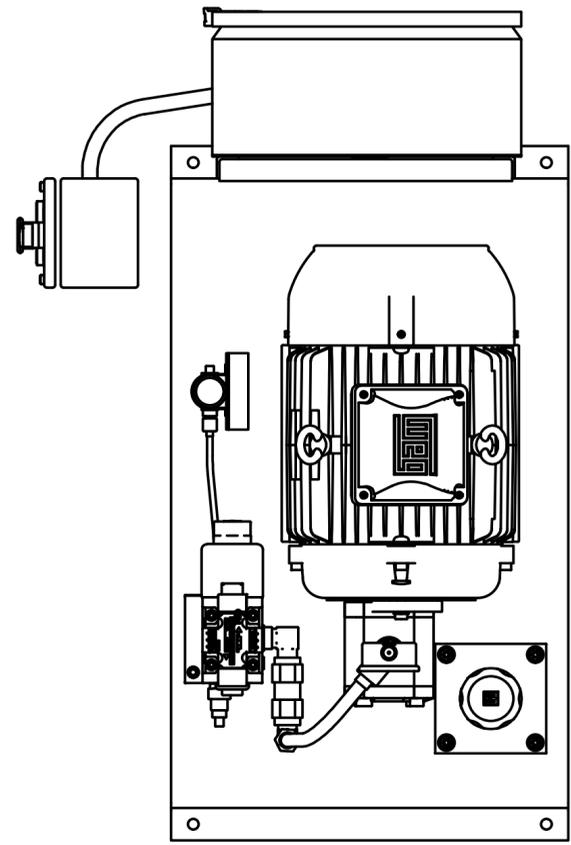
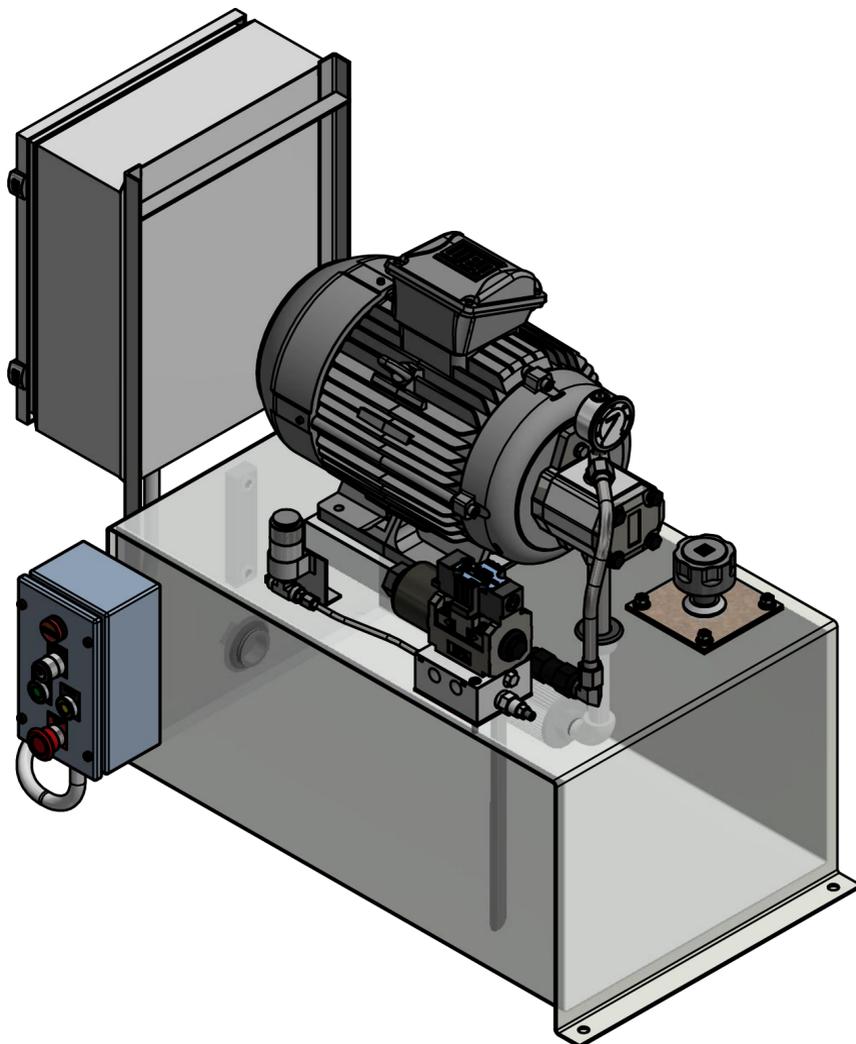


## SCHEMATICS

Schematics for the power units are contained inside the control panel of each compactor.  
If additional schematics are required (including hydraulics) call the BACE offices.

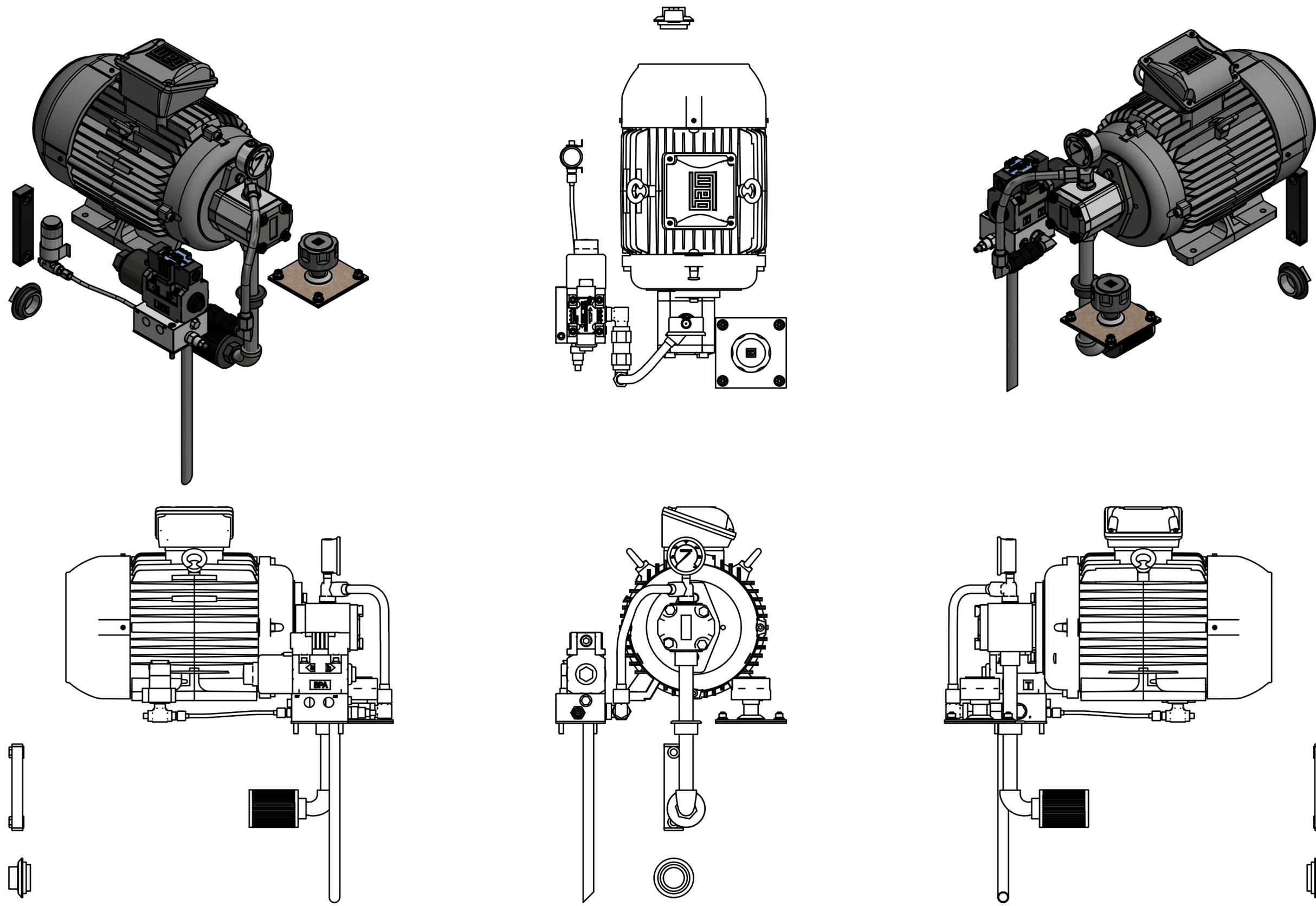
# C3





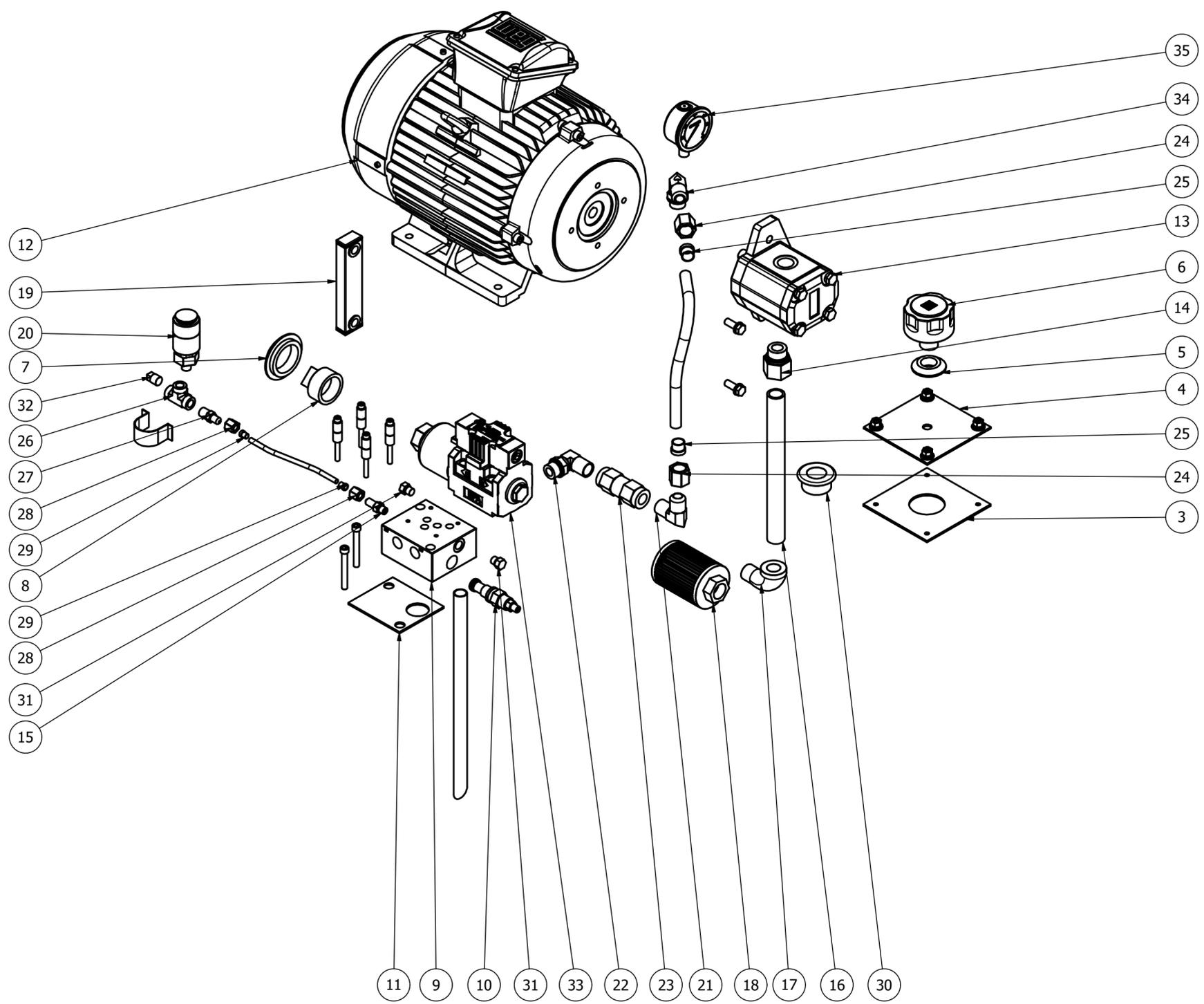
CUSTOMER: <b>BACE</b>		DATE: 10/19/2018	THIS DRAWING AND ALL THE INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF BACE LLC. THIS DRAWING CANNOT BE COPIED, LOADED OR ANY PARTS OR INFORMATION DISSEMINATED IN ANY FASHION WITHOUT THE EXPRESS WRITTEN PERMISSION OF BACE LLC.
CHECKED BY:		UNITS: INCHES	
REVISD BY:		SCALE: 0.17	
MODEL NO: C3		SHEET: 1 OF 3	





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CHECKED BY:		UNITS: SCALE: 0.2	
MODEL NO: C3		SHEET: 2 OF 3	
REVISD BY:			





PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	HM31200	29 X 18 X13 25 GAL
2	1	HP10030	MOTOR MOUNT
3	1	CG11250	GASKET
4	1	HP10100	SERVICE PLATE
5	1	BK11500 3-4 "	WELD FLANGE
6	1	LH11000	BREATHER
7	1	BK12600 1 1-2 WELD	FLANGE
8	1	US59500 WELD FLANGE 1	1-2"
9	1	NK20015	SUBPLATE
10	1	SU10000	VALVE/RELIEF
11	1	CG10000	GASKET
12	1	HP-M-103DW-34-00	MOTOR/10HP/3PH
13	1	BS23557	PUMP/12.8GPM
14	1	BR57500	CONNECTOR/12-12
15	1	BR48500	CONNECTOR/4-4
16	1	HP23196	PIPE/0.75"
17	1	US61500	ELBOW/(3/4)"
18	1	LH50000	STRAINER/(3/4)"
19	1	MH11880	OIL LVL GAGE
20	1	ME12276	PRESSURE SW
21	1	BR27500	ELBOW/10-8
22	1	BR71470	ELBOW/10-8
23	1	ST10500	CHECKVALVE
24	2	BR12000	NUT/10
25	2	(BR14500) 319-10 SLEEVE	SLEEVE/10
26	1	(BR45500) 5605-4-4-4 TEE	TEE/4-4-4
27	1	BR16000	ADAPTER/4-4
28	2	BR10500	TUBE NUT/4
29	2	BR13000	SLEEVE/4
30	1	UC25010	GROMMET/0.75"
31	2	(BR59000) 6408-4 PLUG	PLUG/4
32	1	(US56500) 1-4IN PLUG	PLUG/0.25"
33	1	NA38000	VALVE/G03/H3Z
34	1	BR67501	ELBOW/10-10/D-T
35	1	PD11200	PRESSURE GAUGE

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CHECKED BY:		UNITS:	SCALE:	
MODEL NO: C3		REVISED BY:	SHEET: OF	

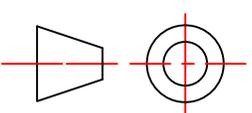
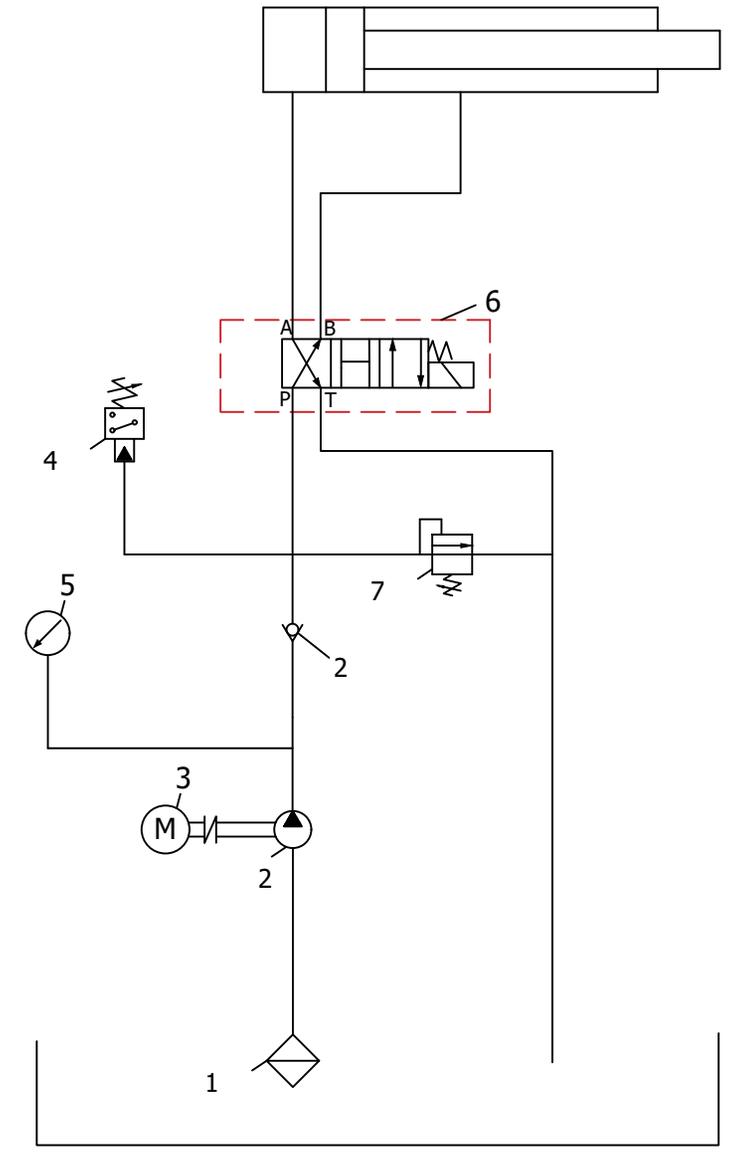


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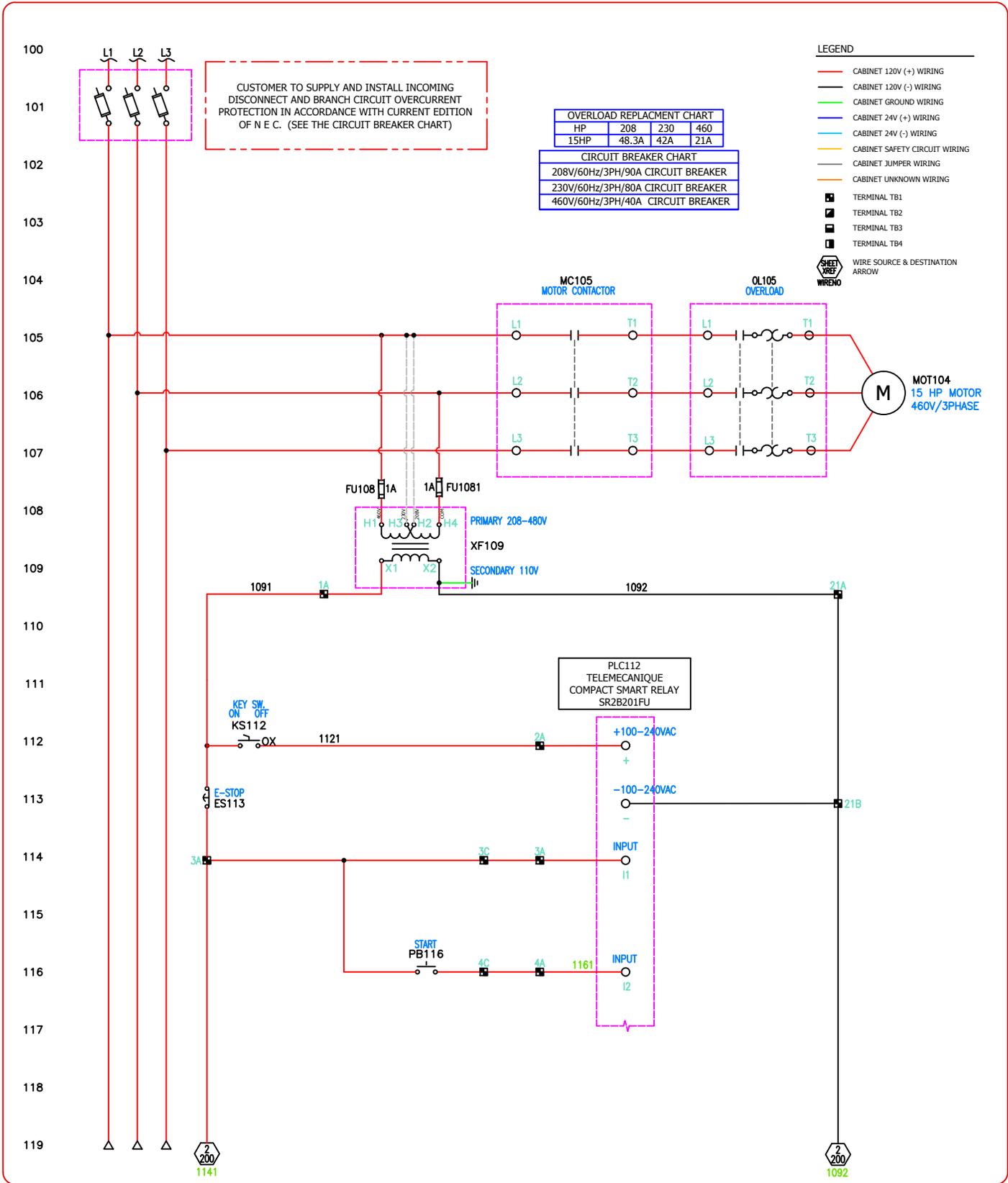
ITEM	PART NAME	QTY	DESCRIPTION
1	STRAINER	1	
2	PUMP	1	12.8 GPM
3	MOTOR	1	10 HP, 3PH
4	PRESSURE SWITCH	1	
5	PRESSURE GUAGE	1	BACE
6	DIRECTIONAL VALVE	1	GO3 H3Z
7	RELIEF VALVE	1	
8	CHECK VALVE	1	



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	CHECKED BY:	UNITS:	
MODEL NO: C3	REVISED BY:	SHEET:	OF



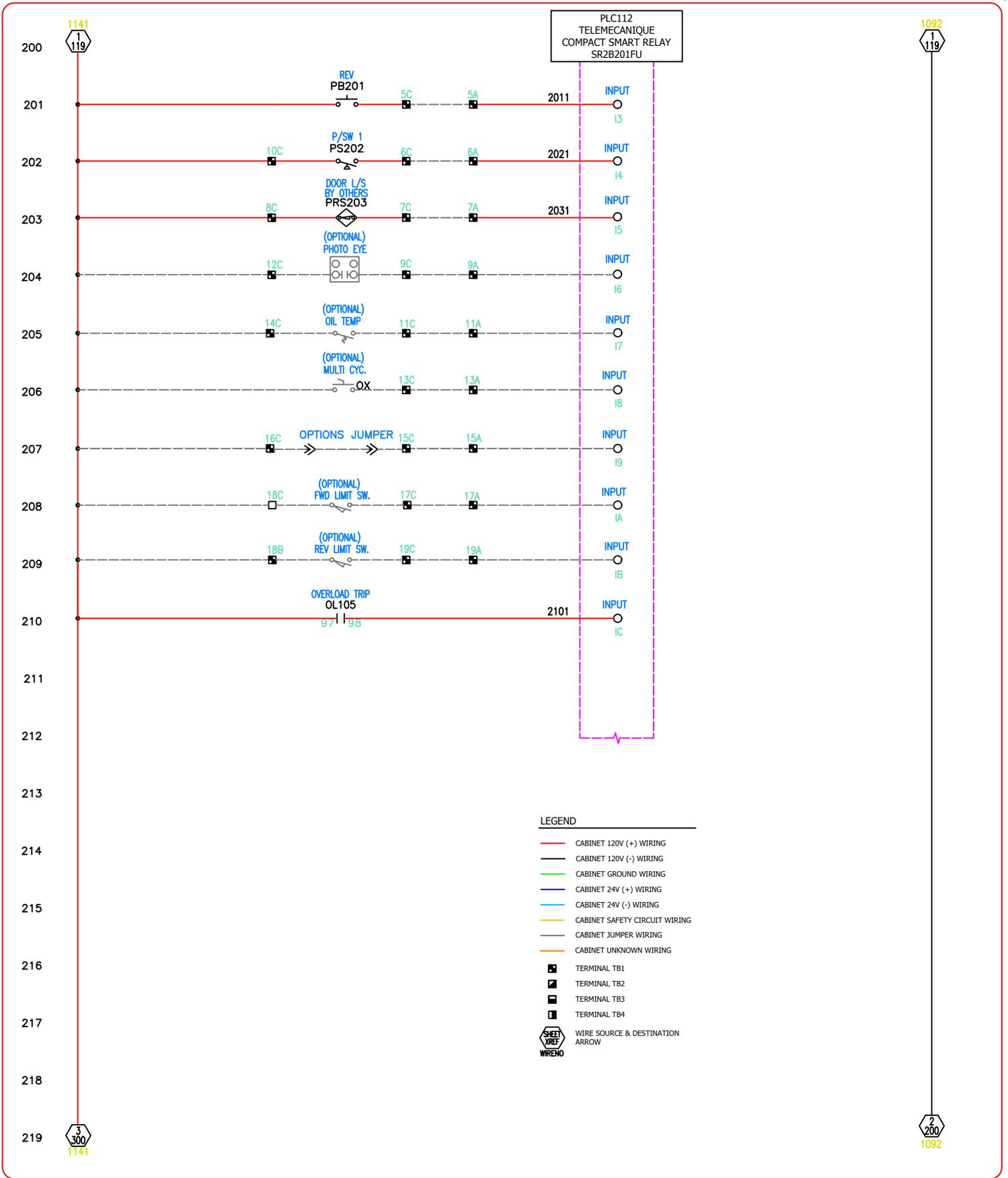
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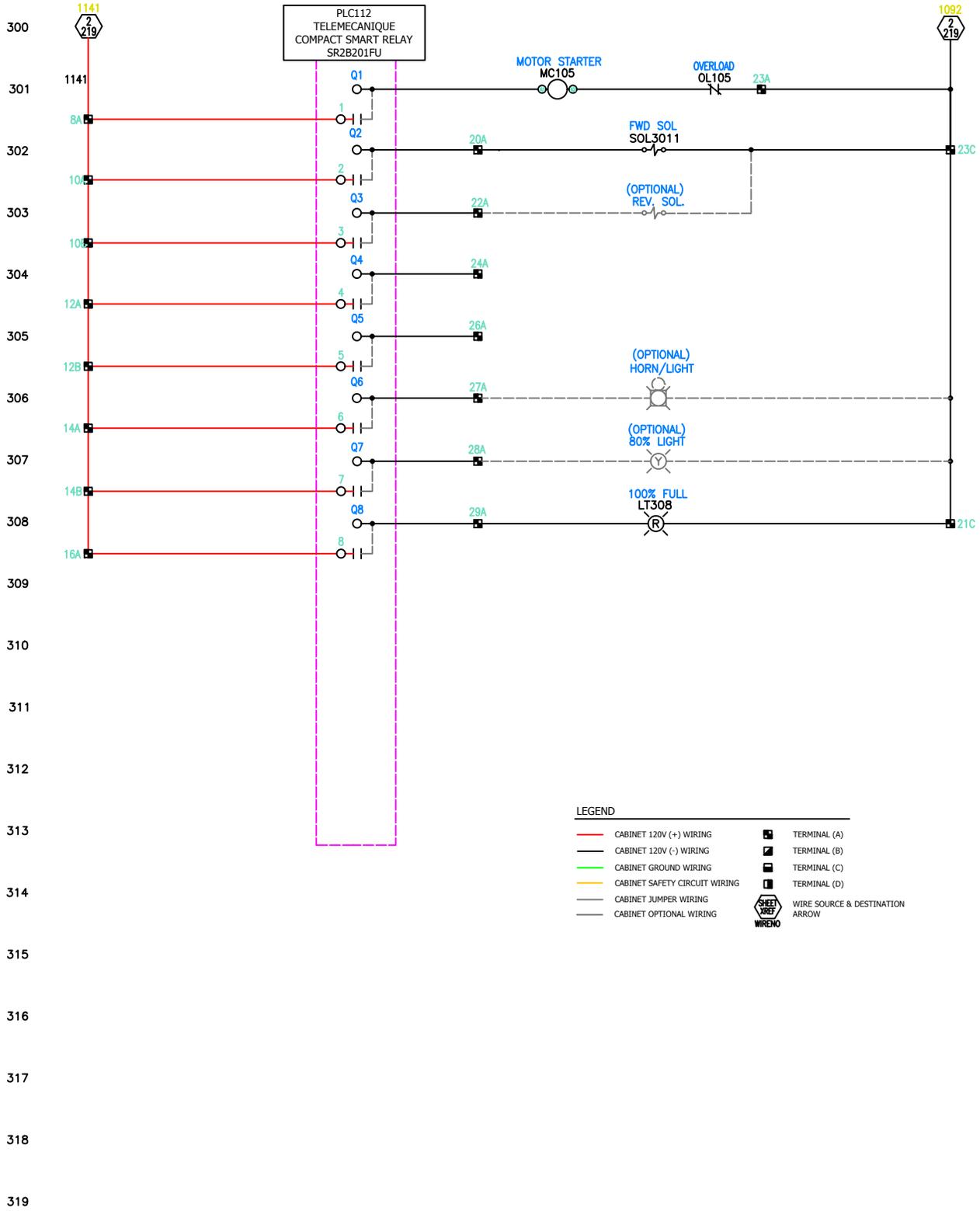
POWER DISTRIBUTION	
DESCRIPTION:	BACE
DATE:	10/16/2018
MODEL NO:	C3
MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:	
CONTROL VOLTAGE:	120V

SHEET  
**1**  
of  
8



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<b>DIGITAL INPUTS</b>	
DESCRIPTION: <b>BACE</b>	DATE: <b>10/16/2018</b>
MODEL NO: <b>C3</b>	MOTOR VOLTAGE: <b>480V\60Hz\3 PHASE</b>
ENGINEER:	CONTROL VOLTAGE: <b>120V</b>



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### DIGITAL OUTPUTS

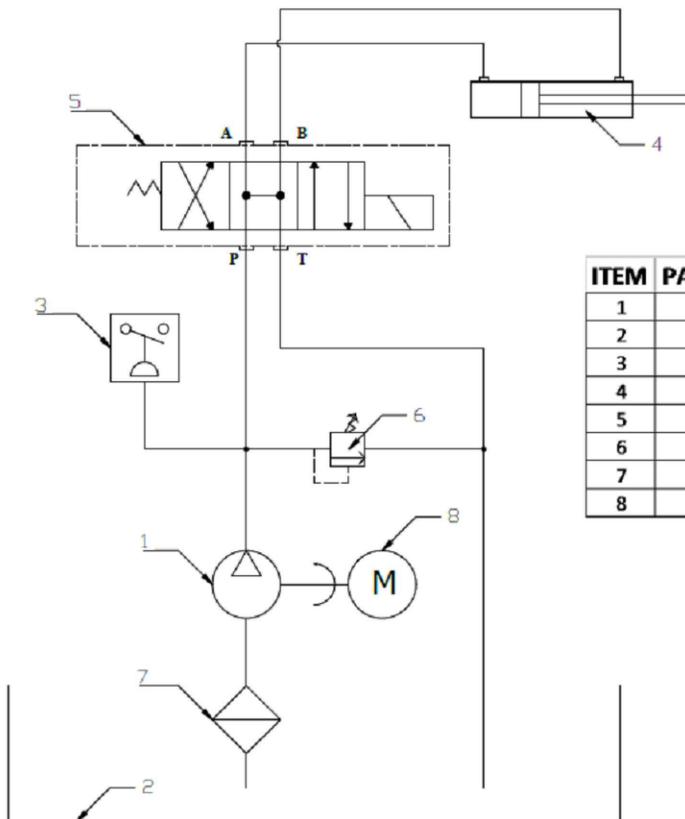
DESCRIPTION:	BACE	DATE:	10/16/2018
MODEL NO:	C3	MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:		CONTROL VOLTAGE:	120V

SHEET

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8

## SC and C2 Hydraulic

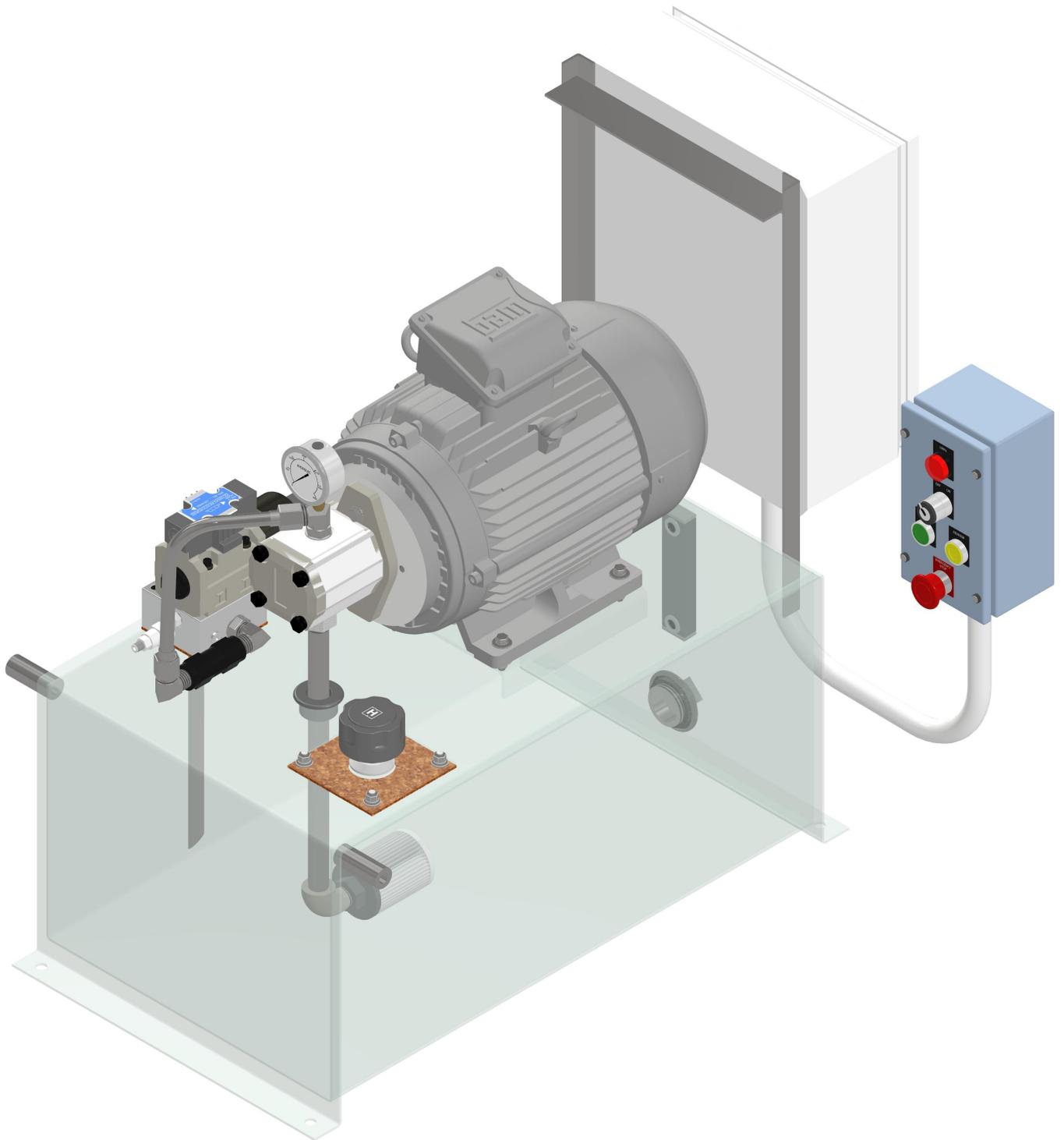


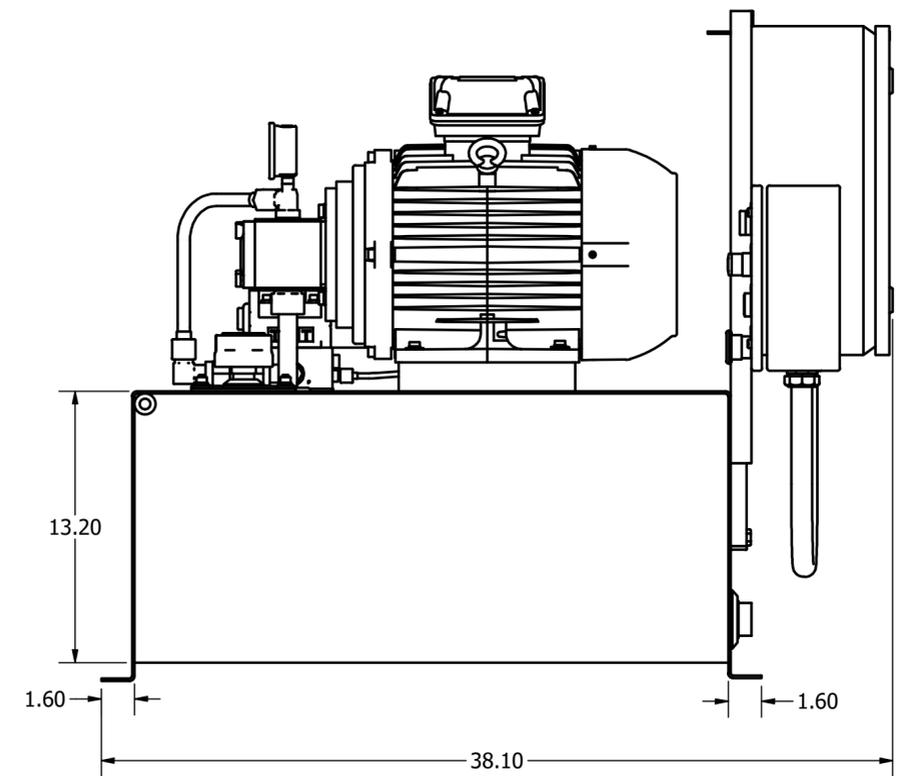
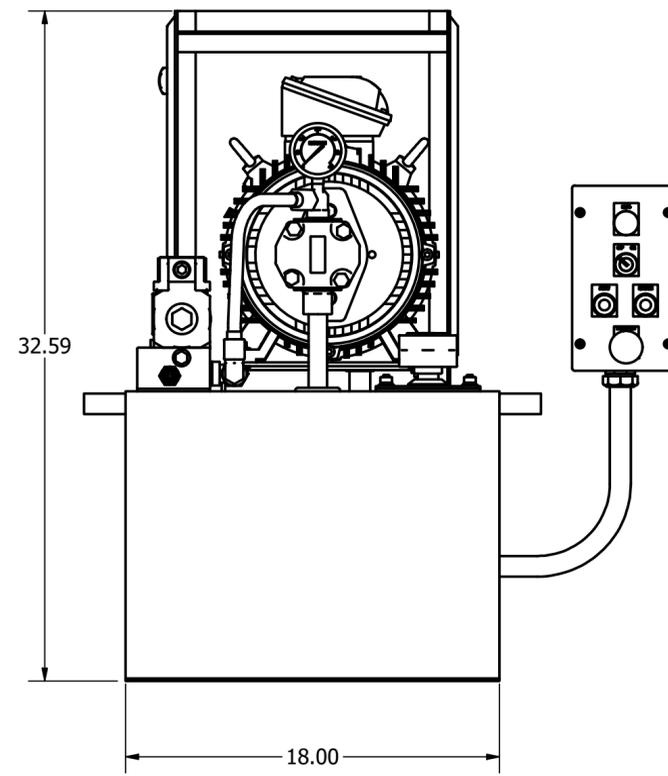
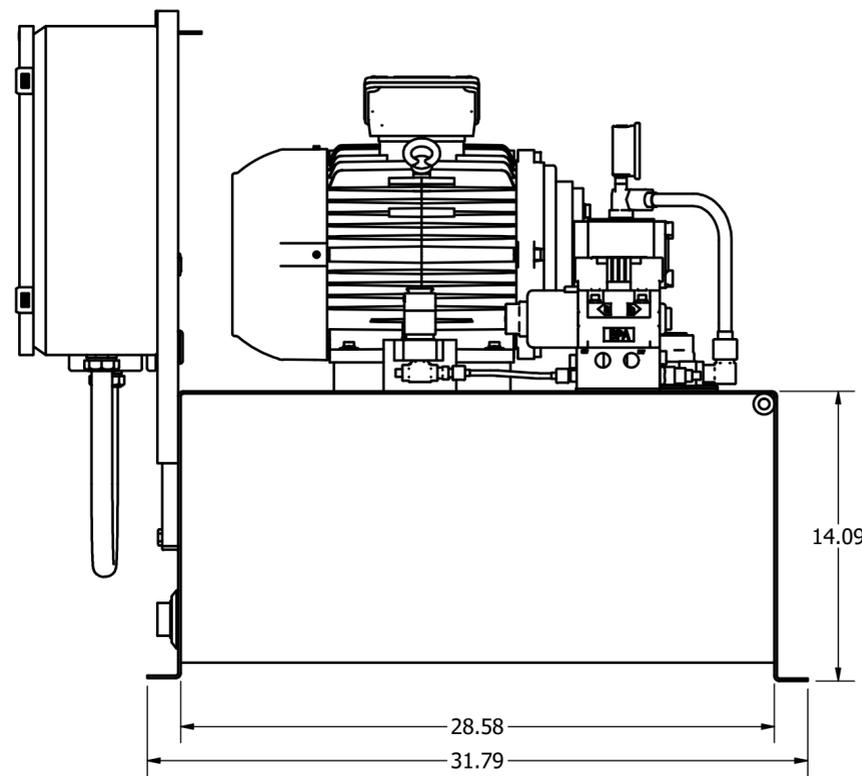
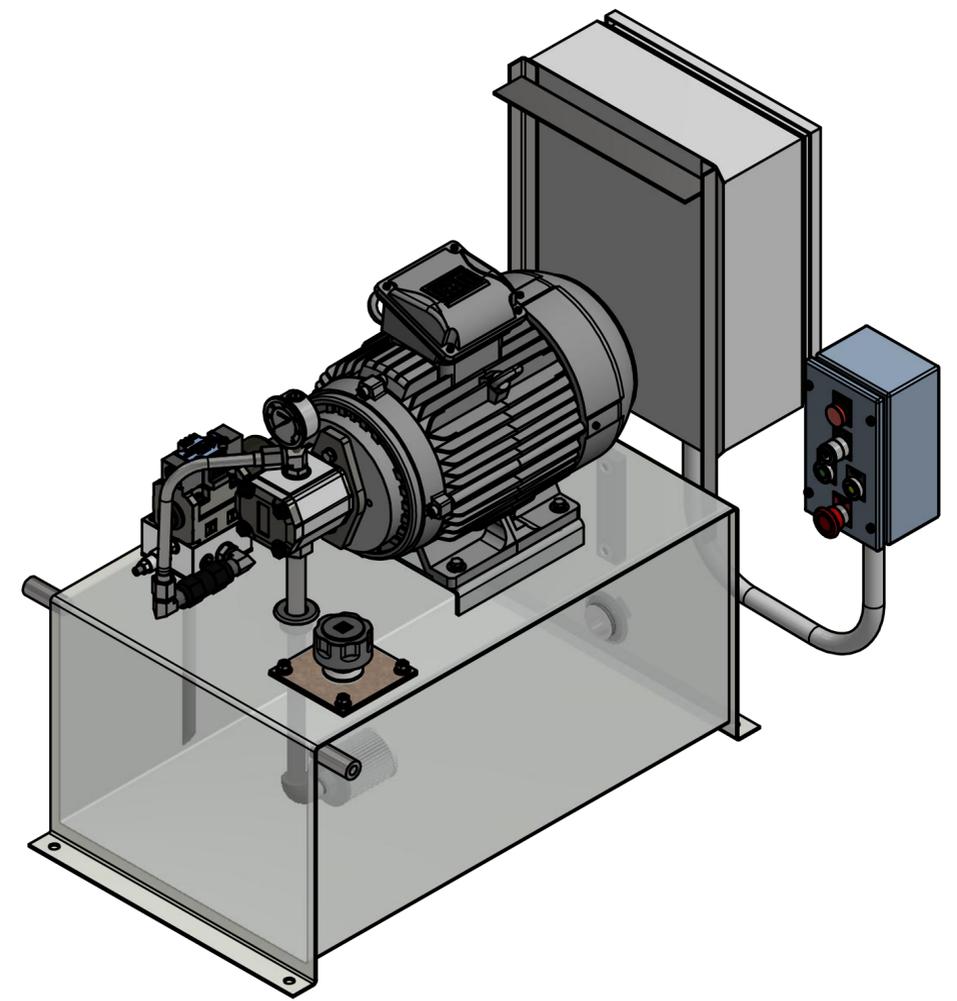
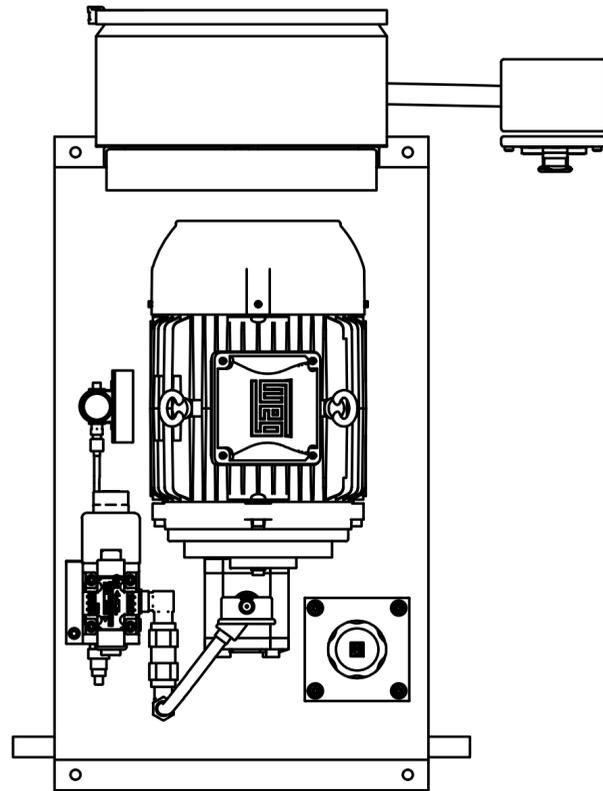
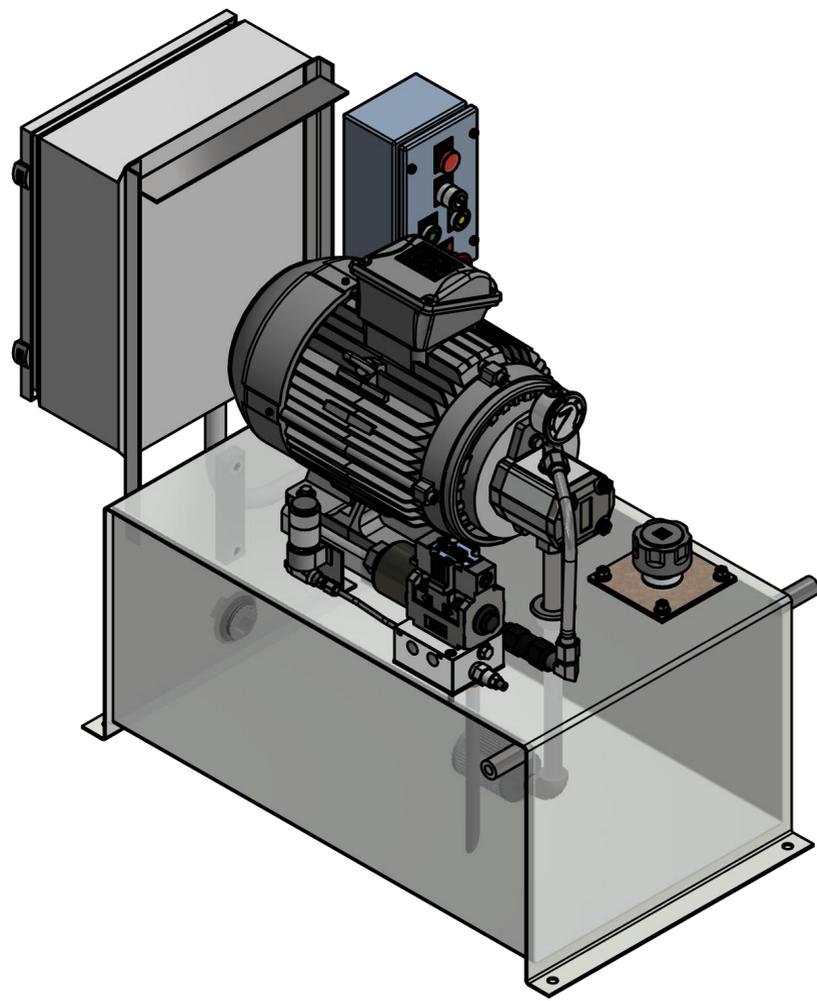
ITEM	PART NUMBER	DESCRIPTION
1	BS23500	PUMP/10.5 GPM
2	HM29000	TANK/35 GAL
3	ME12276	SWITCH/PRESSURE
4	N.A.	CYLINDER/PROVIDED BY CUSTOMER
5	NA38000	VALVE/G03/H3Z
6	SU10000	VALVE/RELIEF
7	UC21000	STRAINER/1"
8	WG13010	MOTOR/10HP/3PH

### Hydraulic

DESCRIPTION:	BACE	DATE:	01/29/2018
MODEL NO:	SC and C2	MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:		CONTROL VOLTAGE:	120V

# SC and C2





CUSTOMER:  
**BACE**

MODEL NO:  
SC and C2

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REVISED BY:

DATE:  
5/20/2019

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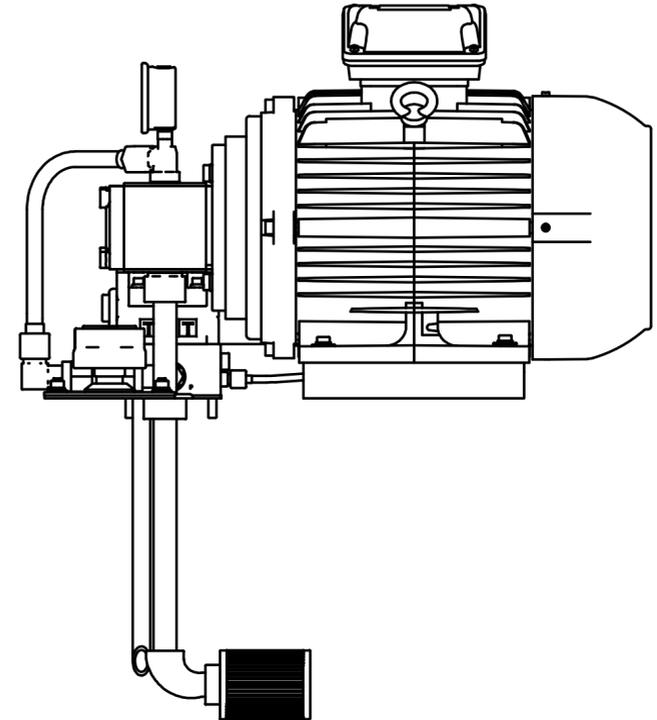
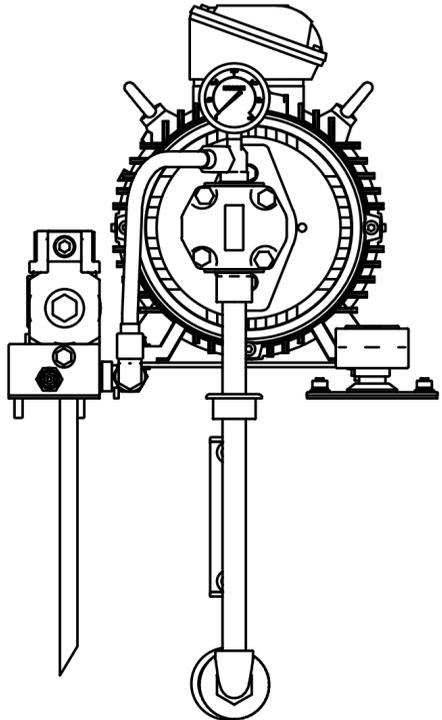
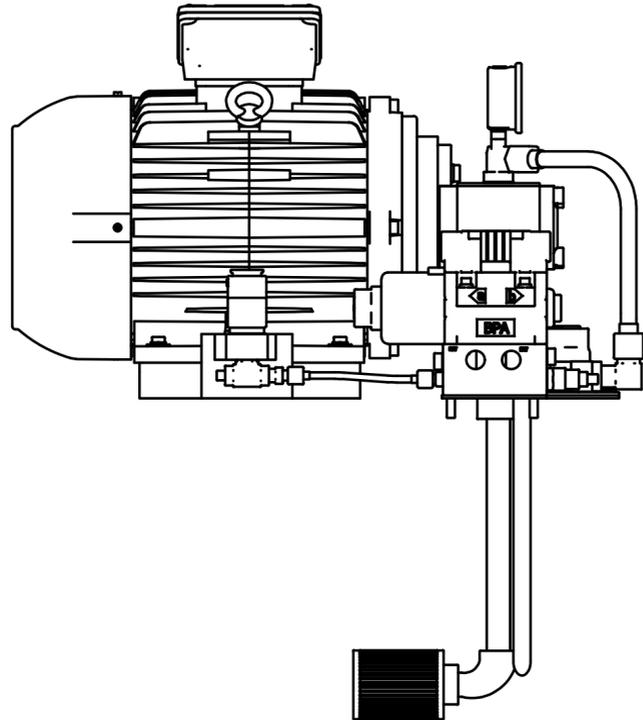
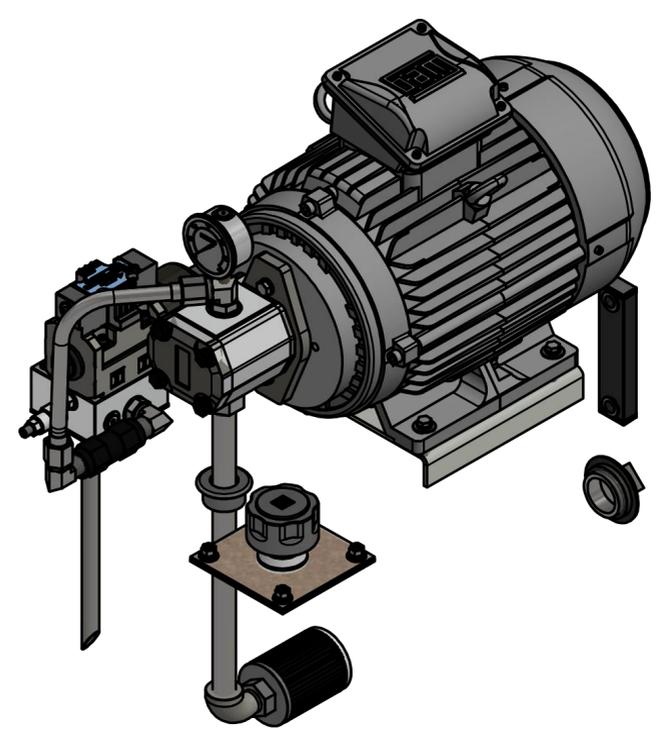
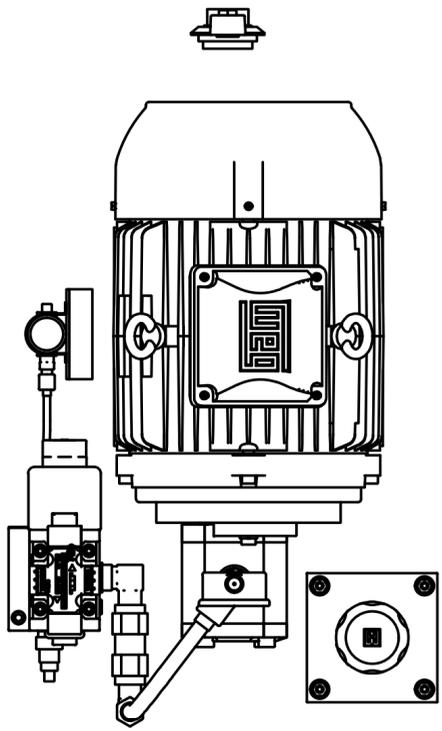
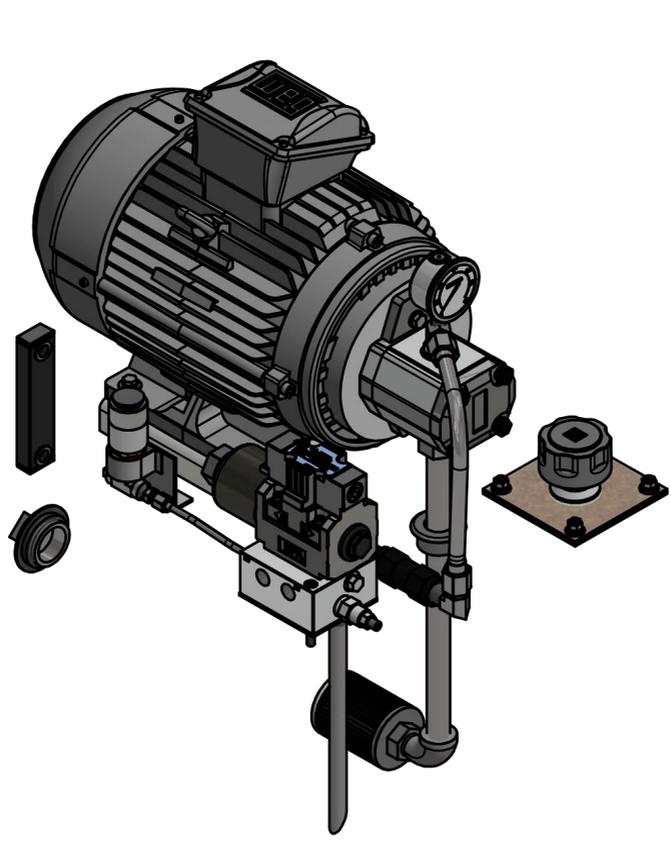
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CHECKED BY:		UNITS: INCHES	SCALE: 0.2	
MODEL NO: SC and C2		REVISED BY:	SHEET: 2 OF 3	



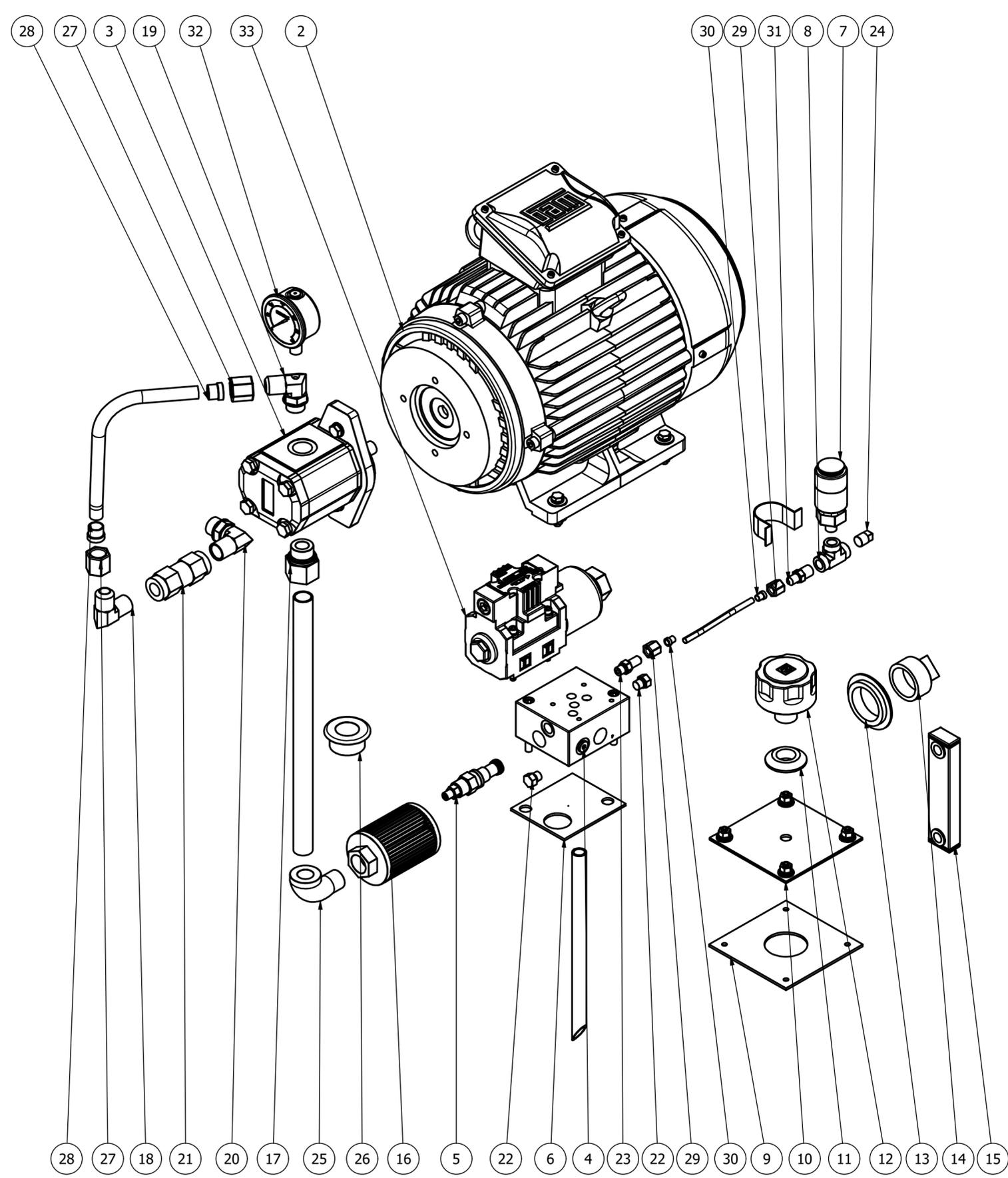
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PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	HM31200	29X18X13 25GAL BME TANK
2	1	WG13011	MOTOR/10HP/3PH
3	1	(BS23508) 10GPM-3-4S PUMP BHP2AOD22C1	PUMP/10GPM
4	1	NK20015	SUBPLATE
5	1	SU10000	VALVE/RELIEF
6	1	CG10000	GASKET
7	1	ME12276	PRESSURE SW
8	1	BR45500	TEE/4-4-4
9	1	CG11250	GASKET
10	1	HP10100	SERVICE PLATE
11	1	BK11500	3-4 " WELD FLANGE
12	1	LH11000	BREATHER
13	1	BK12600	WELD FLANGE 1 1/2"
14	1	US59500	WELD FLANGE 1 1-2"
15	1	MH11880	OIL LVL GAGE
16	1	LH50000	STRAINER/(3/4)"
17	1	BR57500	CONNECTOR/12-12
18	1	BR27500	ELBOW/10-8
19	1	BR67501	ELBOW/10-10/D-T
20	1	BR71470	ELBOW/10-8
21	1	ST10500	CHECKVALVE
22	2	BR59000	6408-4 PLUG
23	1	BR48500	CONNECTOR/4-4
24	1	US56500	1-4IN PLUG SQUARE HEAD
25	1	US61500	ELBOW/(3/4)"
26	1	UC25010	GROMMET/0.75"
27	2	BR12000	NUT/10
28	2	BR14500	SLEEVE/10
29	2	BR10500	TUBE NUT/4
30	2	BR13000	SLEEVE/4
31	1	BR16000	ADAPTER/4-4
32	1	PD11200	PRESSURE GAUGE
33	1	NA38000	VALVE/G03/H3Z

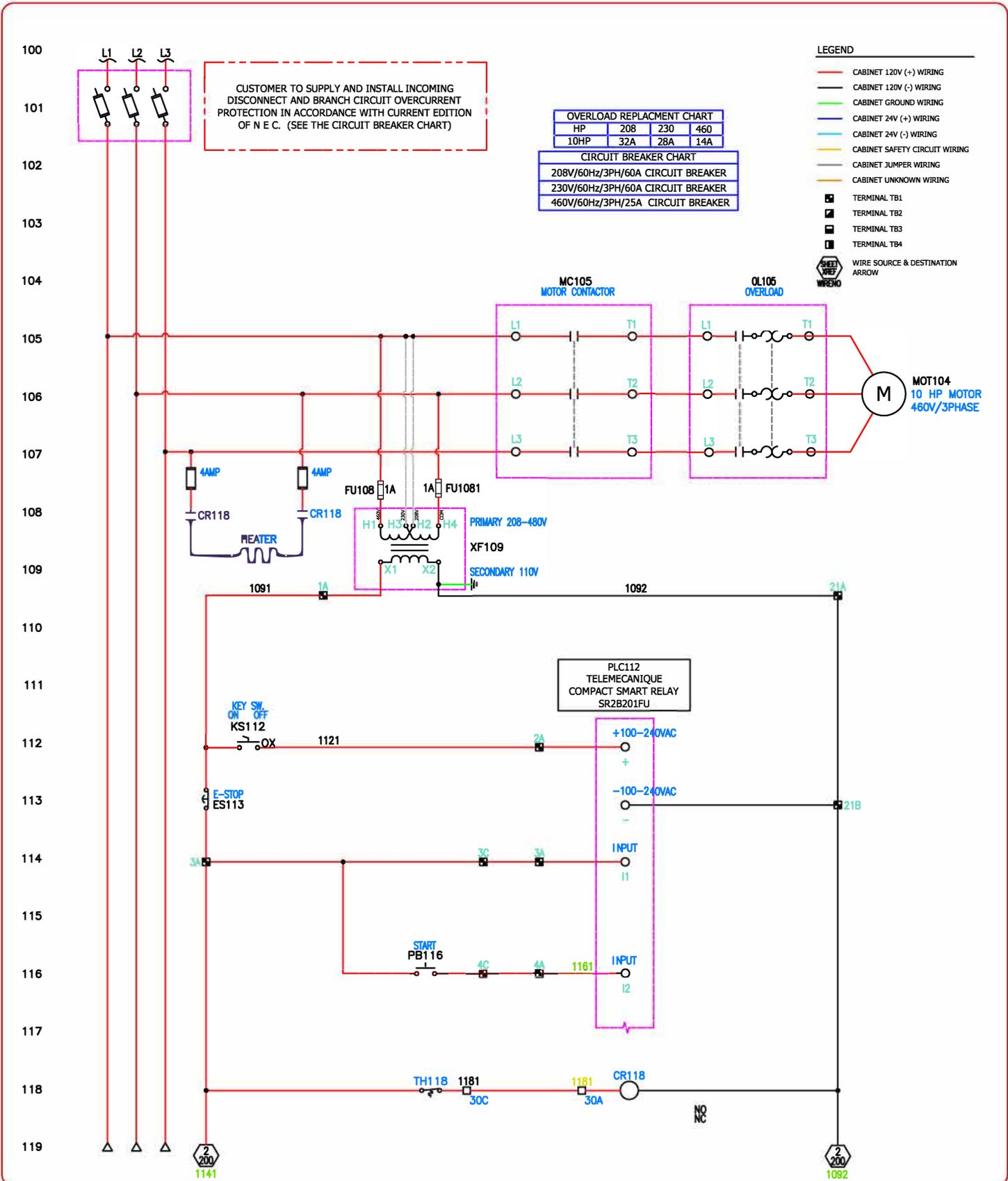
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CHECKED BY:	UNITS: INCHES    SCALE: 0.25	
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MODEL NO: SC and C2		



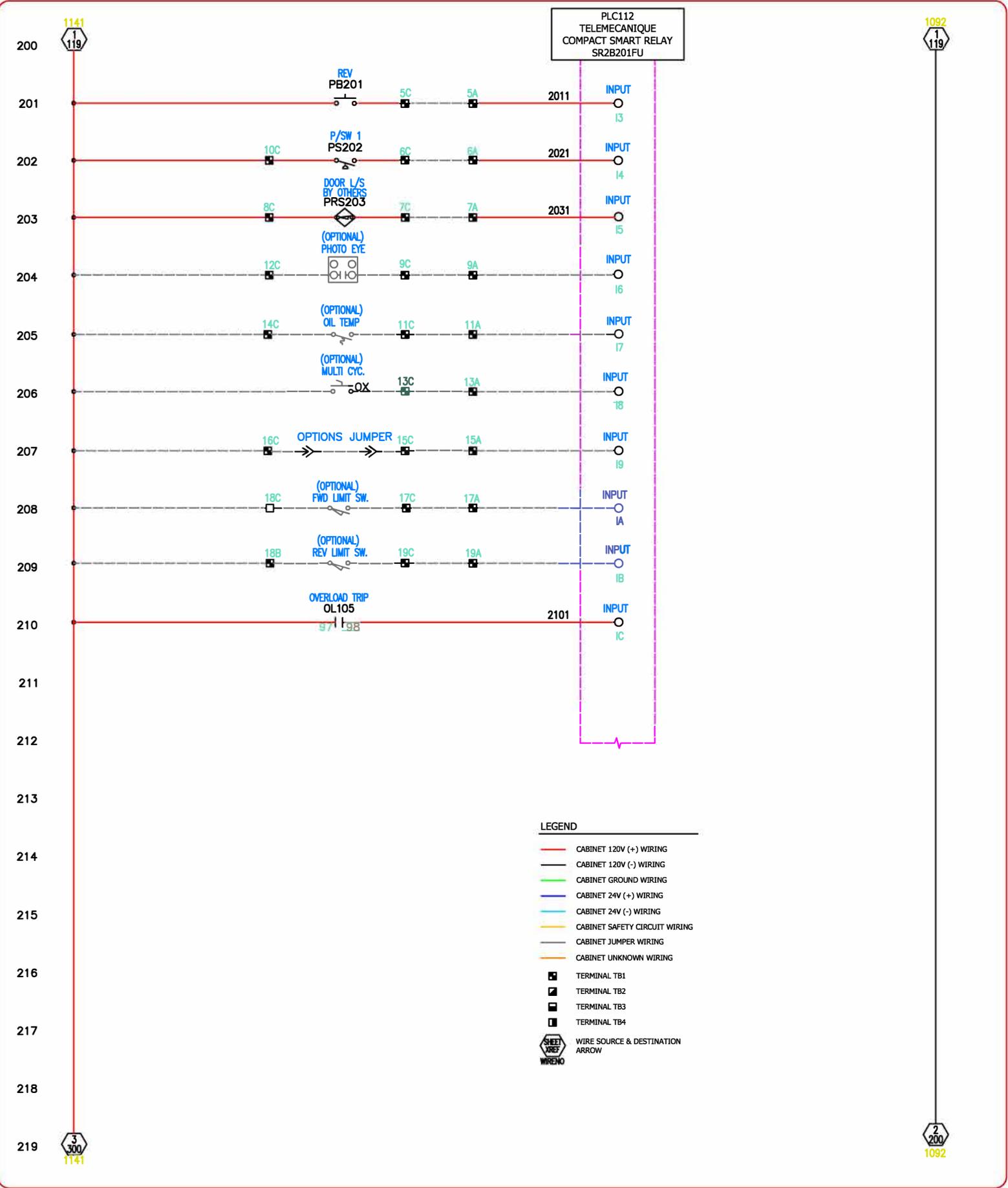
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POWER DISTRIBUTION	
DESCRIPTION:	BACE
DATE:	01/29/2018
MODEL NO:	SC and C2
MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:	
CONTROL VOLTAGE:	120V

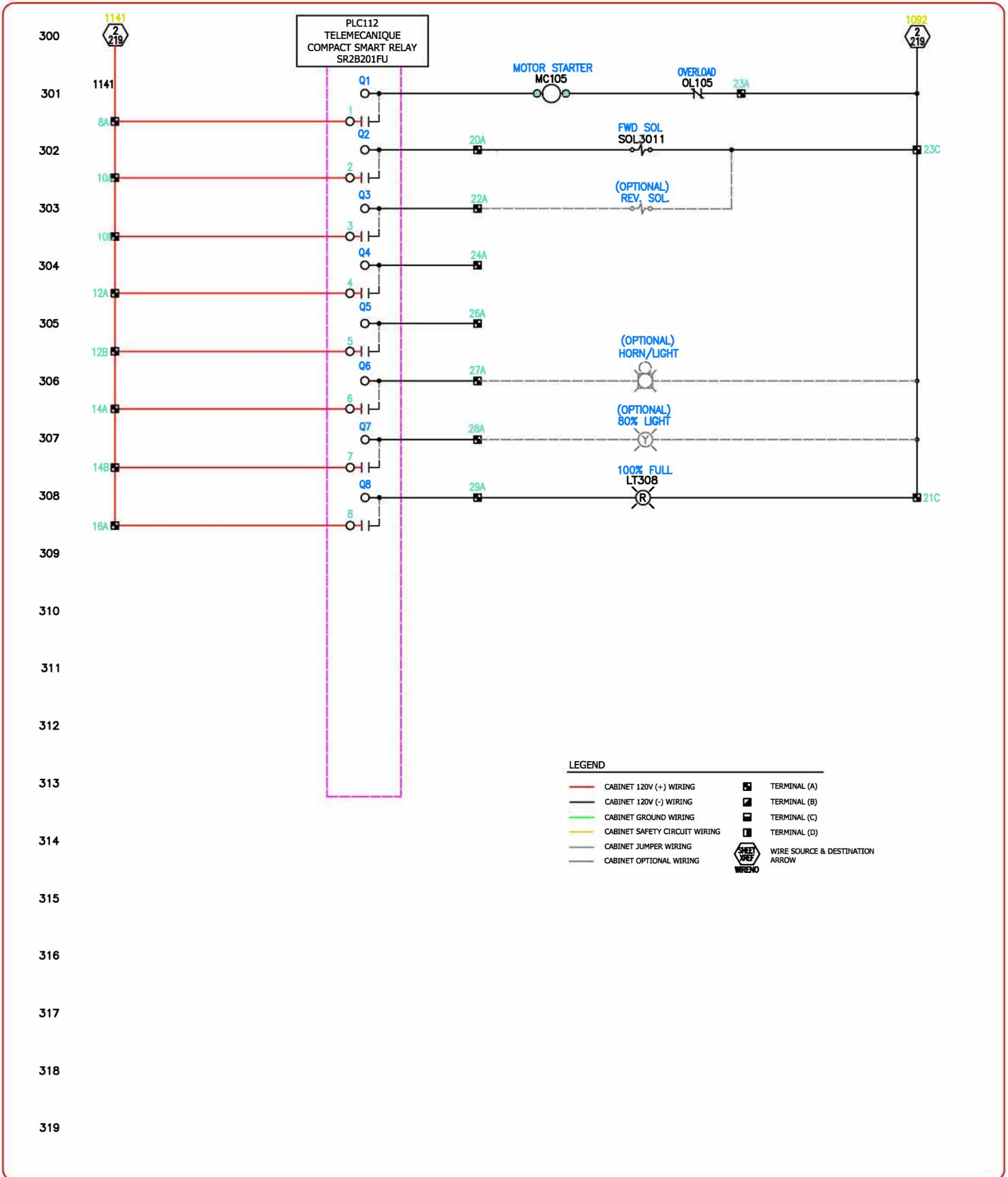


- LEGEND**
- CABINET 120V (+) WIRING
  - CABINET 120V (-) WIRING
  - CABINET GROUND WIRING
  - CABINET 24V (+) WIRING
  - CABINET 24V (-) WIRING
  - CABINET SAFETY CIRCUIT WIRING
  - CABINET JUMPER WIRING
  - CABINET UNKNOWN WIRING
  - TERMINAL TB1
  - TERMINAL TB2
  - TERMINAL TB3
  - TERMINAL TB4
  - SHEET REF WIRE SOURCE & DESTINATION
  - WIRENO



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<b>DIGITAL INPUTS</b>	
DESCRIPTION:	BACE
DATE:	01/29/2018
MODEL NO.:	SC and C2
MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:	120V



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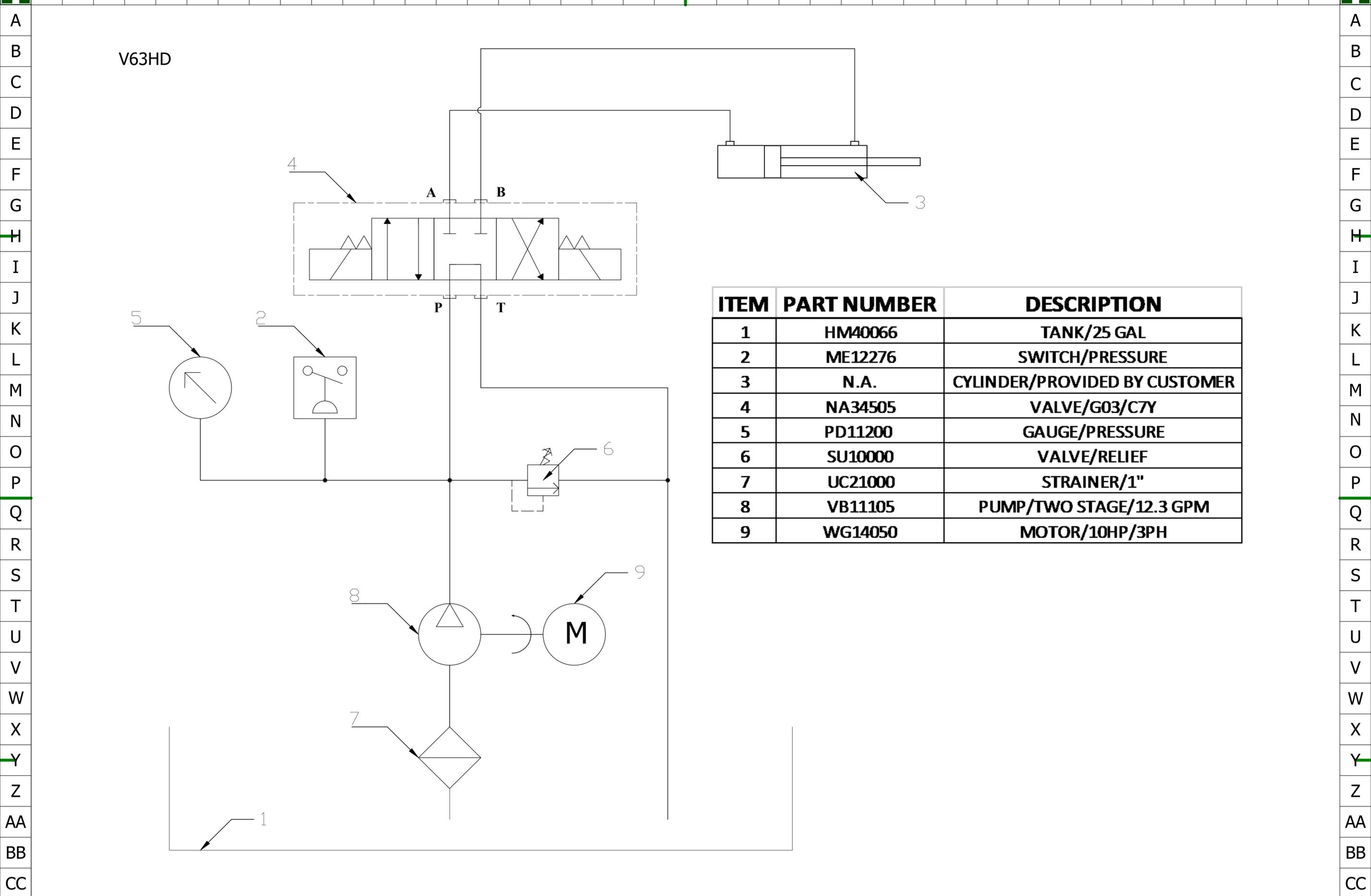
### DIGITAL OUTPUTS

DESCRIPTION:	BACE	DATE:	01/29/2018
MODEL NO:	SC and C2	MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:			120V

SHEET

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ITEM	PART NUMBER	DESCRIPTION
1	HM40066	TANK/25 GAL
2	ME12276	SWITCH/PRESSURE
3	N.A.	CYLINDER/PROVIDED BY CUSTOMER
4	NA34505	VALVE/G03/C7Y
5	PD11200	GAUGE/PRESSURE
6	SU10000	VALVE/RELIEF
7	UC21000	STRAINER/1"
8	VB11105	PUMP/TWO STAGE/12.3 GPM
9	WG14050	MOTOR/10HP/3PH

□ = □ 0.5" / SCALE

HYDRAULIC SCHEMATIC			
<b>CUSTOMER:</b> <b>BACE</b>	<b>DRAWN BY:</b>	<b>DATE:</b> 18 MAY 16	<small>THIS DRAWING AND ALL THE INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF BACE LLC. THIS DRAWING CANNOT BE COPIED, LOADED OR ANY PARTS OR INFORMATION DISSEMINATED IN ANY FASHION WITHOUT THE EXPRESS WRITTEN PERMISSION OF BACE LLC.</small>
<b>MODEL NO:</b>	<b>CHECKED BY:</b>	<b>UNITS:</b> N.A. <b>SCALE:</b> N.A.	
	<b>REVISED BY:</b>	<b>SHEET:</b> 4 OF 5	



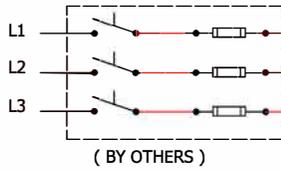


OVERLOAD REPLACEMENT CHART				
HP	208	230	460	575
10HP	32A	28A	14A	11A

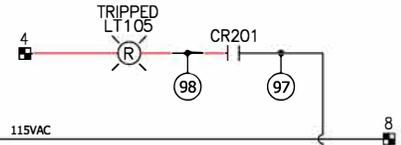
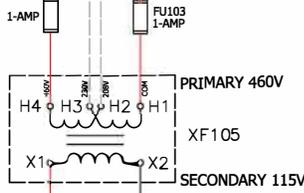
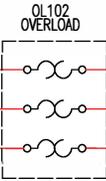
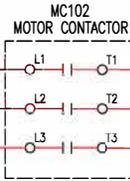
CIRCUIT BREAKER CHART	
208V/60Hz/3PH/60A	CIRCUIT BREAKER
230V/60Hz/3PH/60A	CIRCUIT BREAKER
460V/60Hz/3PH/25A	CIRCUIT BREAKER
575V/60Hz/3PH/20A	CIRCUIT BREAKER

CUSTOMER TO SUPPLY AND INSTALL INCOMING SERVICE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH CURRENT EDITION OF N.E.C. 460V - 3 PHASE - 50-60 Hz

CUSTOMER'S PROTECTED POWER



(BY OTHERS)



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**LEGEND**

- CABINET 120V (+) WIRING
- CABINET 120V (-) WIRING
- CABINET GROUND WIRING
- TERMINAL TB1
- SHEET REF WIRE SOURCE & DESTINATION
- WIRENO
- D/S - BOTTOM DOOR L/S
- L/S 2 - BALE SIZE L/S
- L/S 3 - TOP GATE L/S
- L/S 4 - UP STOP L/S
- L/S 5 - ANSI L/S
- L/S 6 - NOT USED
- P/S - PRESSURE SWITCH
- OL - OVERLOAD CONTACTS
- RELIEF VALVE 2700PSI



**POWER DISTRIBUTION**

DESCRIPTION:	BACE LLC	DATE:	30 MAR 17
MODEL NO:		MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:		CONTROL VOLTAGE:	120VAC 24VDC

SHEET

**1**

of 7



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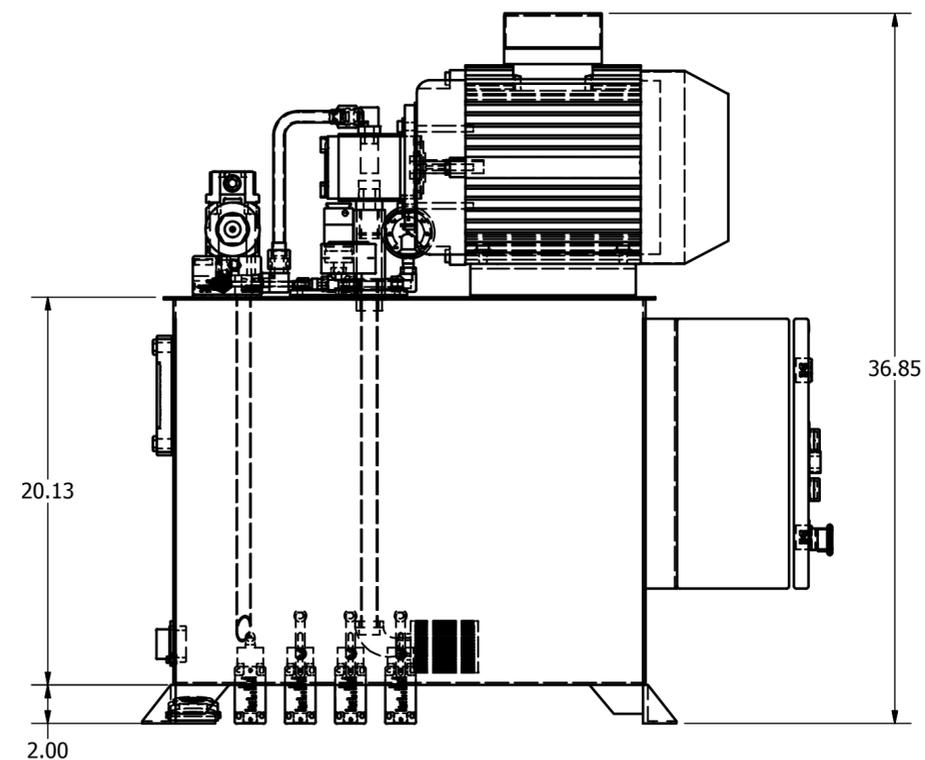
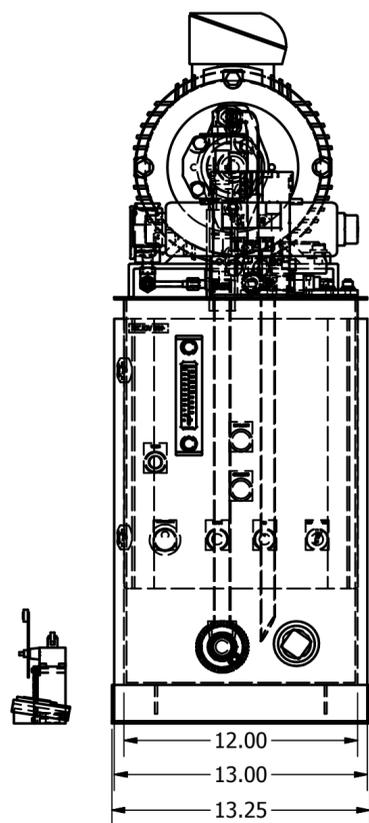
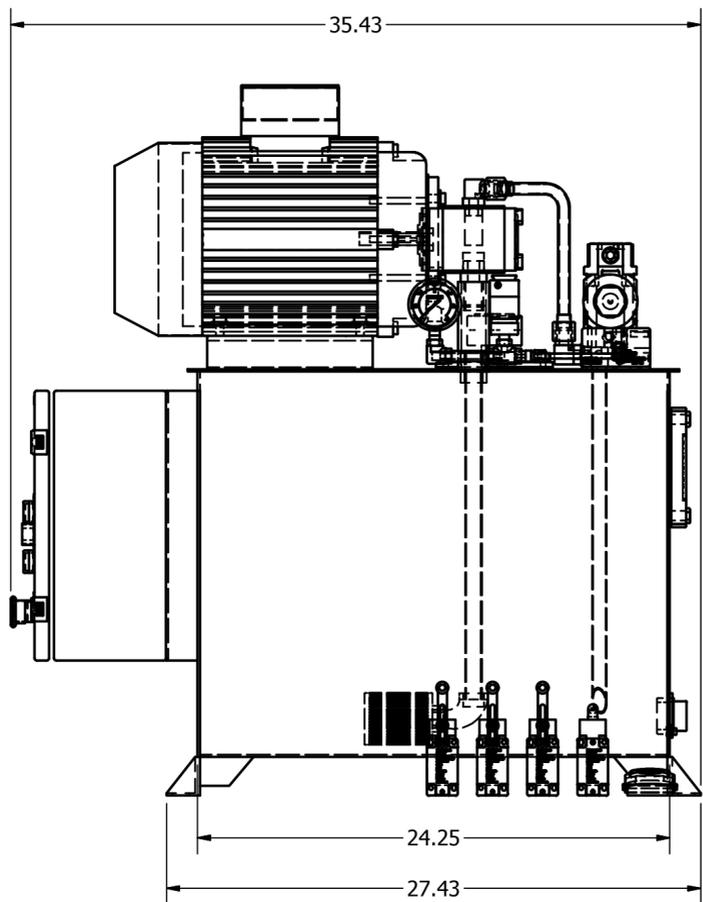
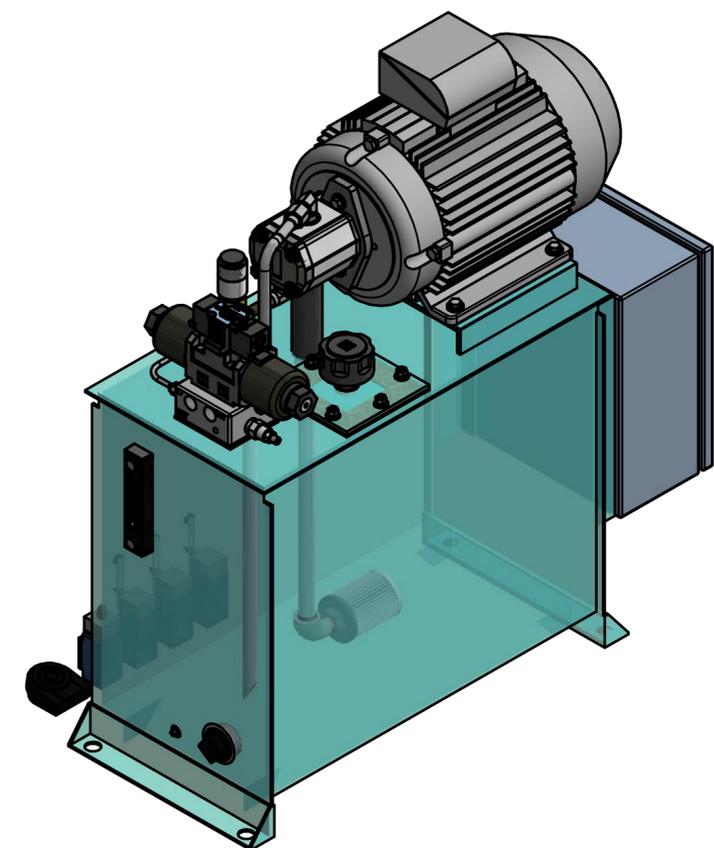
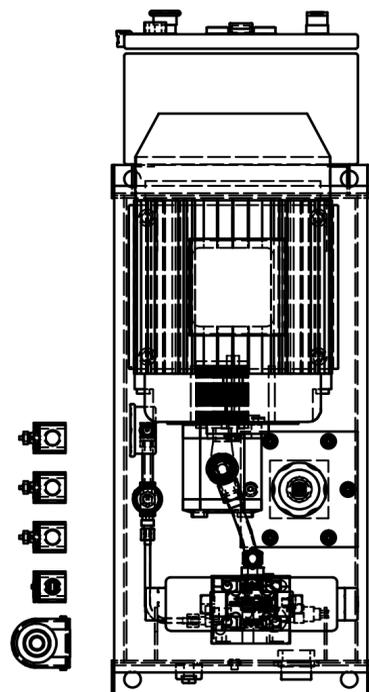
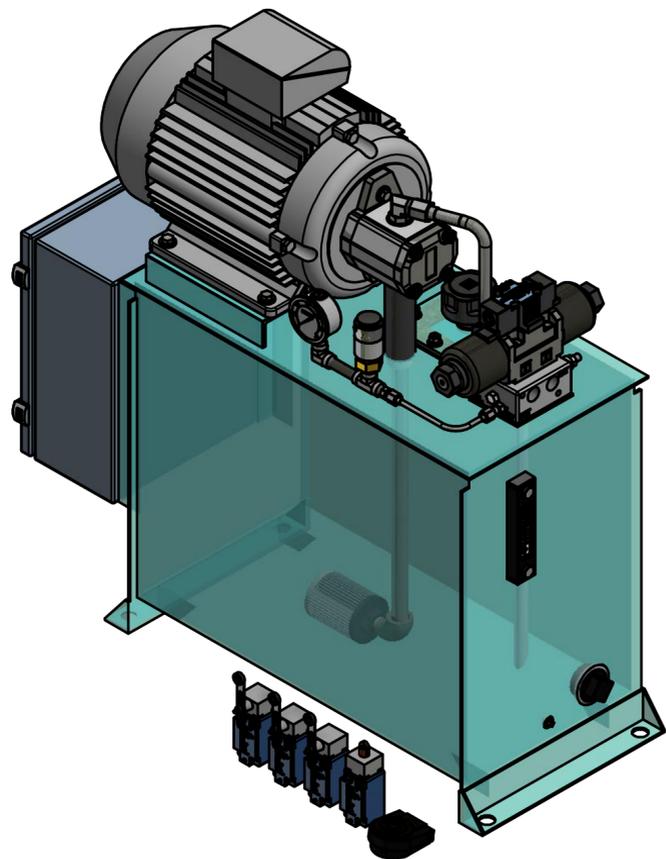
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42

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0.5" = 0.5" / SCALE

ASSEMBLY VIEW

CUSTOMER:  
**BACE**

DRAWN BY:

DATE:  
14 DEC 15

CHECKED BY:

UNITS: INCHES SCALE: 0.15

REVISED BY:

SHEET: 1 OF )

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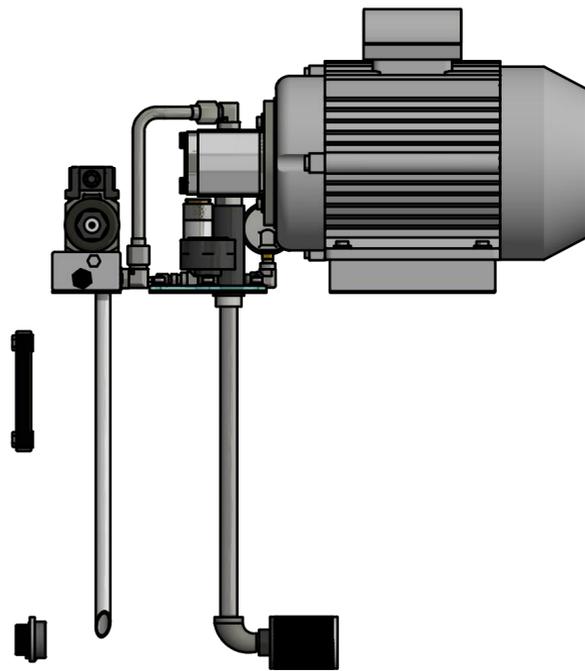
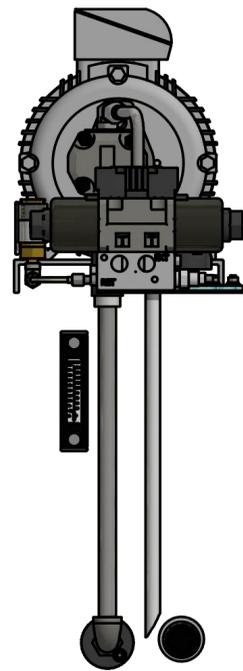
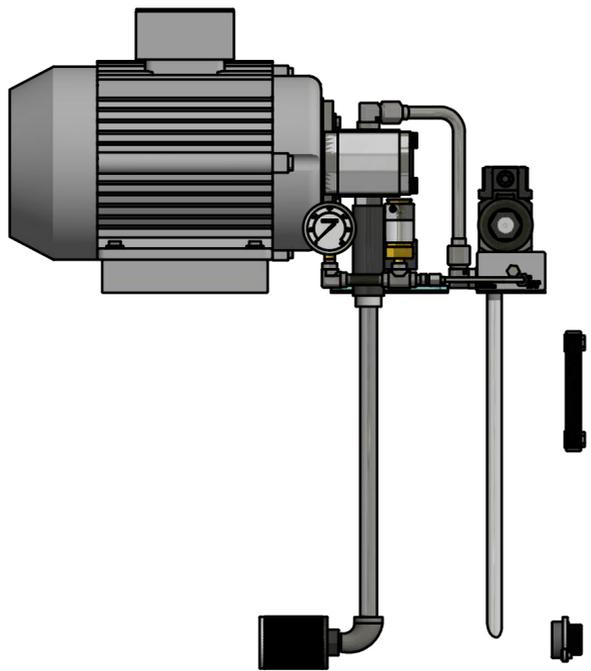
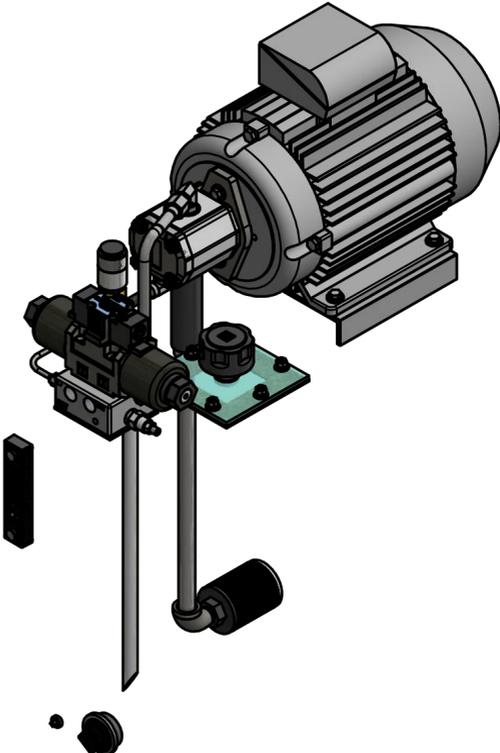
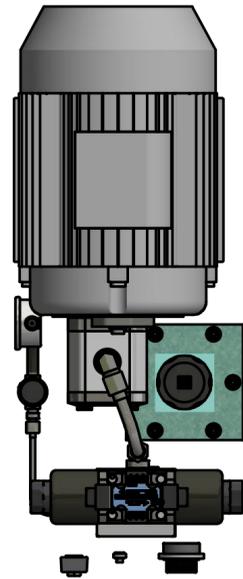
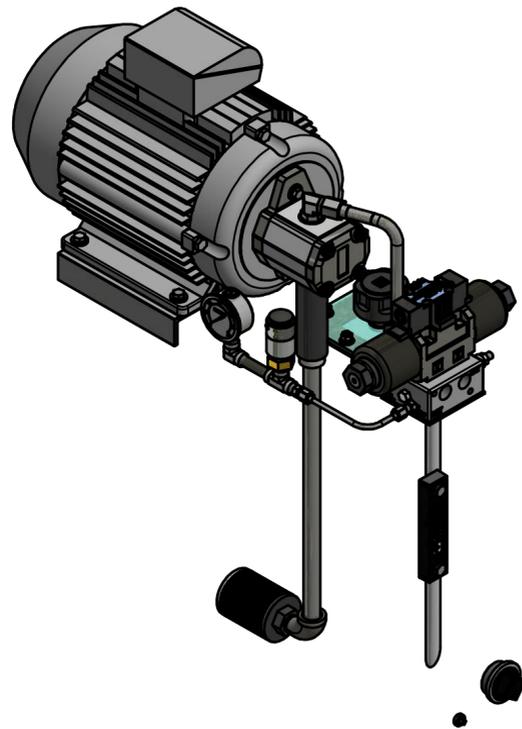
MODEL NO:  
V630CC

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□ = □ 0.5" / SCALE

COMPONENT VIEW

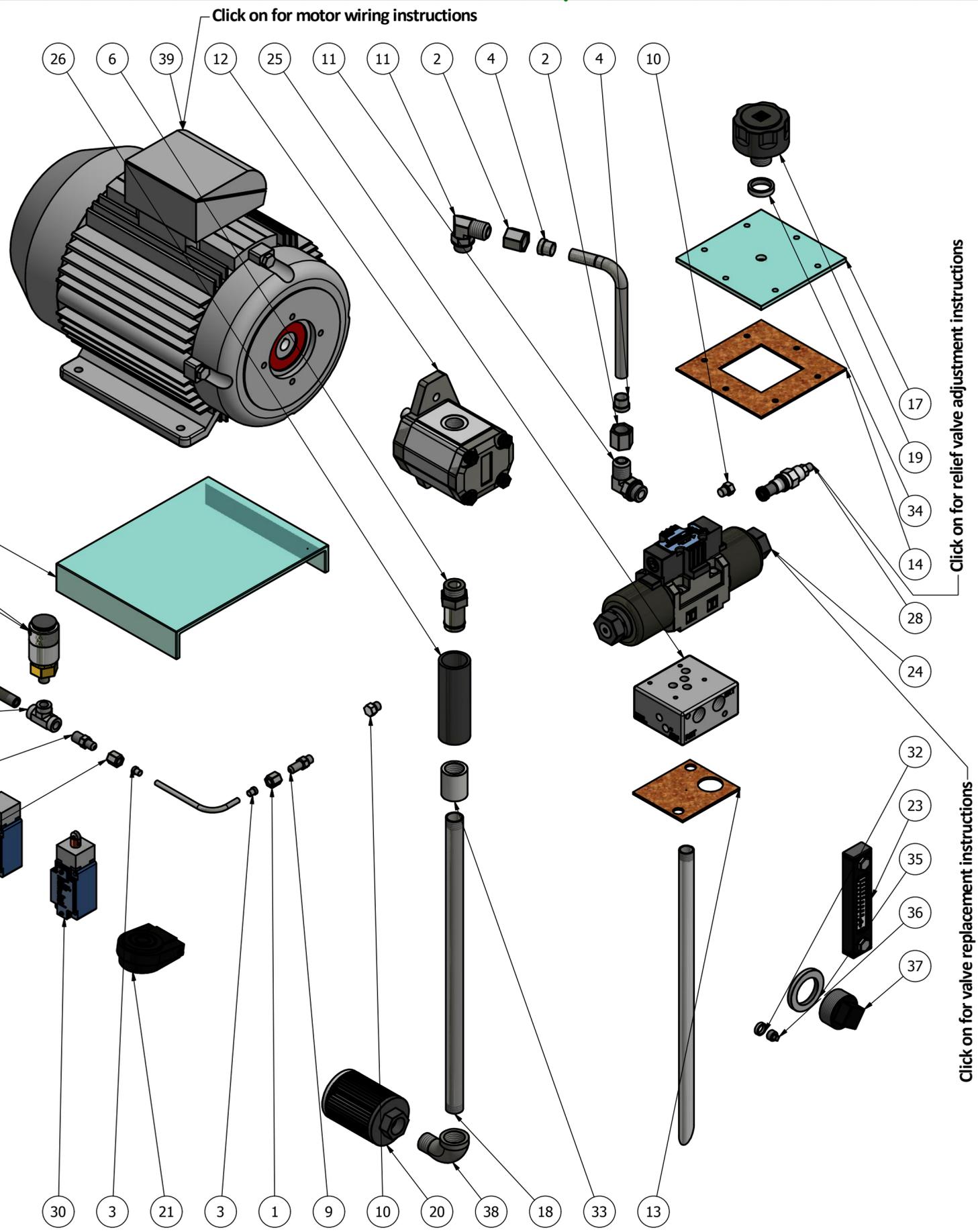
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	CHECKED BY:	UNITS: INCHES	
MODEL NO: V630CC	REVISED BY:	SHEET: 2 OF )	



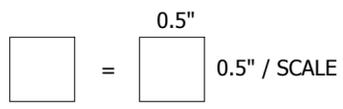
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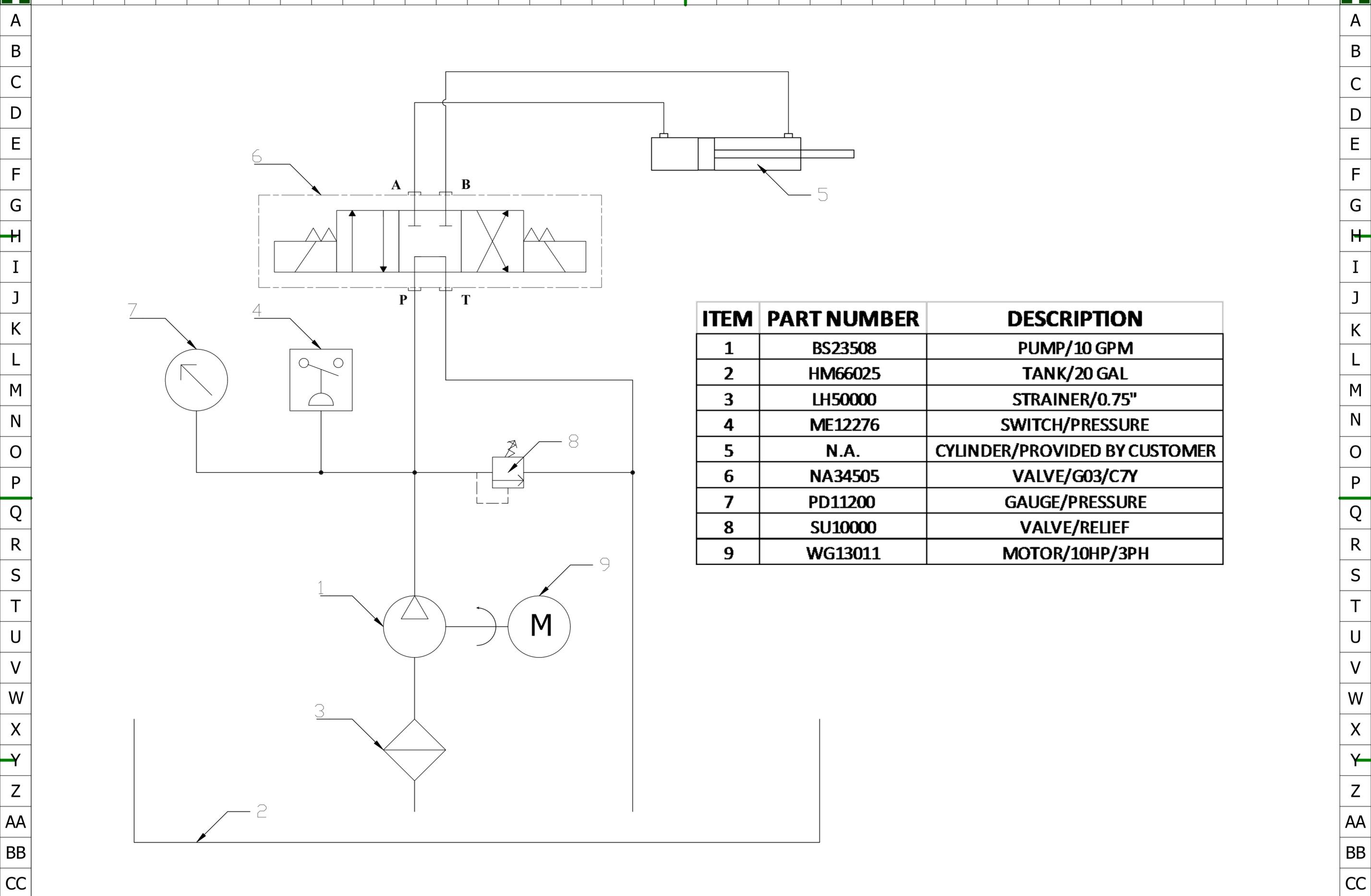
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	BR10500	TUBE NUT/4
2	2	BR12000	NUT/10
3	2	BR13000	SLEEVE/4
4	2	BR14500	SLEEVE/10
5	1	BR16000	ADAPTER/4-4
6	1	BR35070	HOSE ADAPTER
7	1	BR41500	ELBOW/4-4
8	1	BR45500	TEE/4-4-4
9	1	BR48500	CONNECTOR/4-4
10	2	BR59000	PLUG/4
11	2	BR67500	ELBOW/10-10/FORGED
12	1	BS23508	PUMP/10GPM
13	1	CG10000	GASKET
14	1	CG11500	GASKET
15	1	HM66025	TANK/20GAL
16	1	HP10030	MOTOR MOUNT
17	1	HP10105	SERVICE PLATE
18	1	HP23232	PIPE
19	1	LH11000	BREATHER
20	1	LH50000	STRAINER/(3/4)"
21	1	LI10000	SWITCH/FOOT
22	1	ME12276	PRESSURE SW
23	1	MH11880	OIL LVL GAGE
24	1	NA34505	VALVE/G03/C7Y
25	1	NK20040	SUBPLATE
26	1	NONE 1	RUBBER HOSE
27	1	PD11200	PRESSURE GAUGE
28	1	SU10000	VALVE/RELIEF
29	3	TE65025	SWITCH/LIMIT/ARM
30	1	TE65030	SWITCH/LIMIT/PLUNGER
31	1	US10500	NIPPLE/0.25"
32	1	US44505	COUPLING/STEEL/0.5"
33	1	US45000	COUPLING/0.75"
34	1	US45005	COUPLING/(3/4)"
35	1	US46500	COUPLING/1.5"
36	1	US57500	PLUG/0.5"
37	1	US59500	PLUG/1.5"
38	1	US61500	ELBOW/(3/4)"
39	1	WG13011	MOTOR/10HP/3PH



**EXPLODED VIEW**

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<b>MODEL NO:</b> V630CC	<b>CHECKED BY:</b>	<b>UNITS:</b> INCHES	
<b>REvised BY:</b>	<b>SCALE:</b> 0.23	<b>SHEET:</b> 3 OF )	





ITEM	PART NUMBER	DESCRIPTION
1	BS23508	PUMP/10 GPM
2	HM66025	TANK/20 GAL
3	LH50000	STRAINER/0.75"
4	ME12276	SWITCH/PRESSURE
5	N.A.	CYLINDER/PROVIDED BY CUSTOMER
6	NA34505	VALVE/G03/C7Y
7	PD11200	GAUGE/PRESSURE
8	SU10000	VALVE/RELIEF
9	WG13011	MOTOR/10HP/3PH

□ = □ 0.5" / SCALE

HYDRAULIC SCHEMATIC

CUSTOMER: <b>BACE</b>	DRAWN BY:	DATE: 19 MAY 16	THIS DRAWING AND ALL THE INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF BACE LLC. THIS DRAWING CANNOT BE COPIED, LOADED OR ANY PARTS OR INFORMATION DISSEMINATED IN ANY FASHION WITHOUT THE EXPRESS WRITTEN PERMISSION OF BACE LLC.
	CHECKED BY:	UNITS: N.A.	
MODEL NO: V630CC	REVISED BY:	SHEET: 4 OF 5	



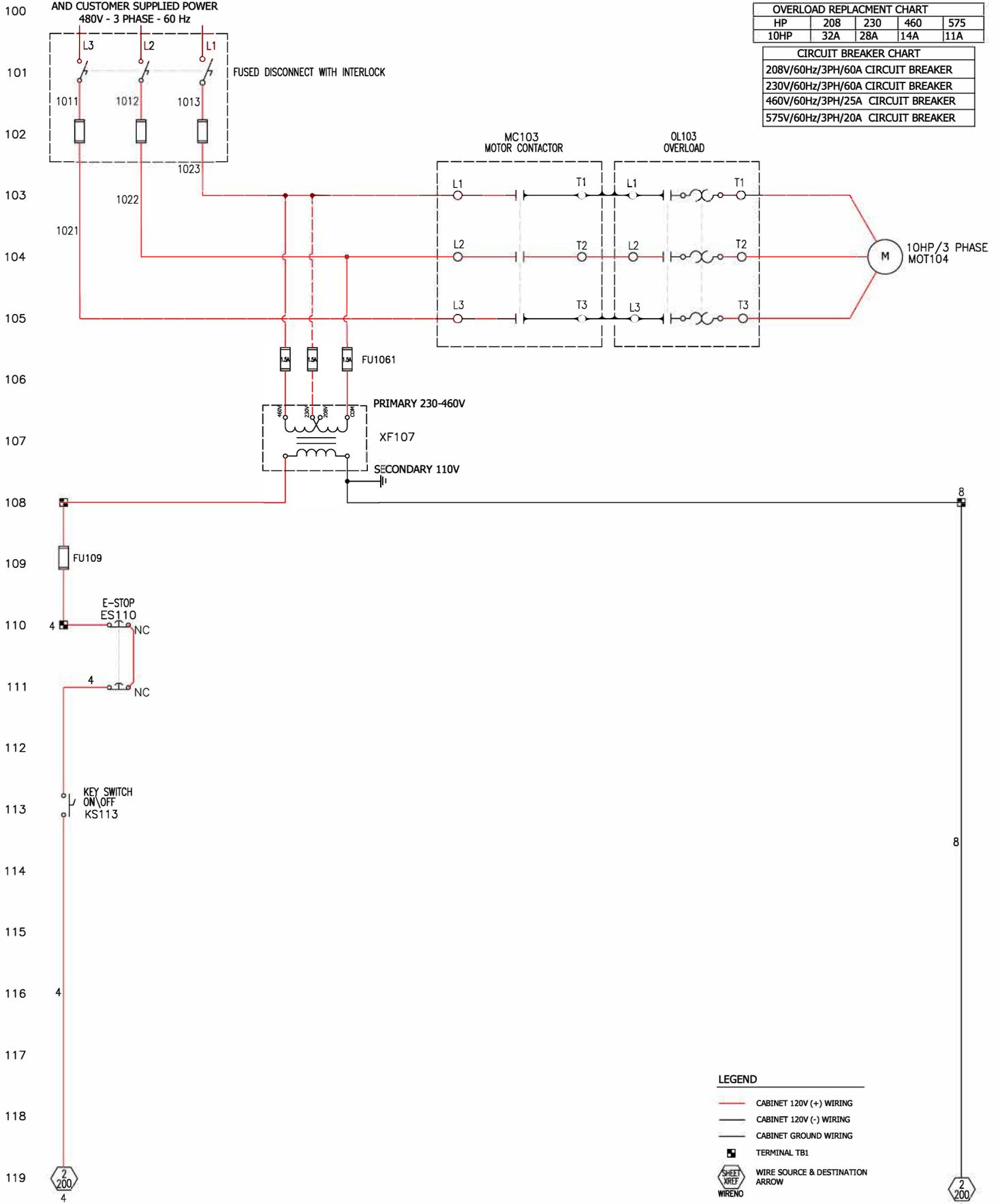
# **ELECTRICAL ADDENDUM**



CUSTOMER SUPPLIED DISCONNECT  
AND CUSTOMER SUPPLIED POWER  
480V - 3 PHASE - 60 Hz

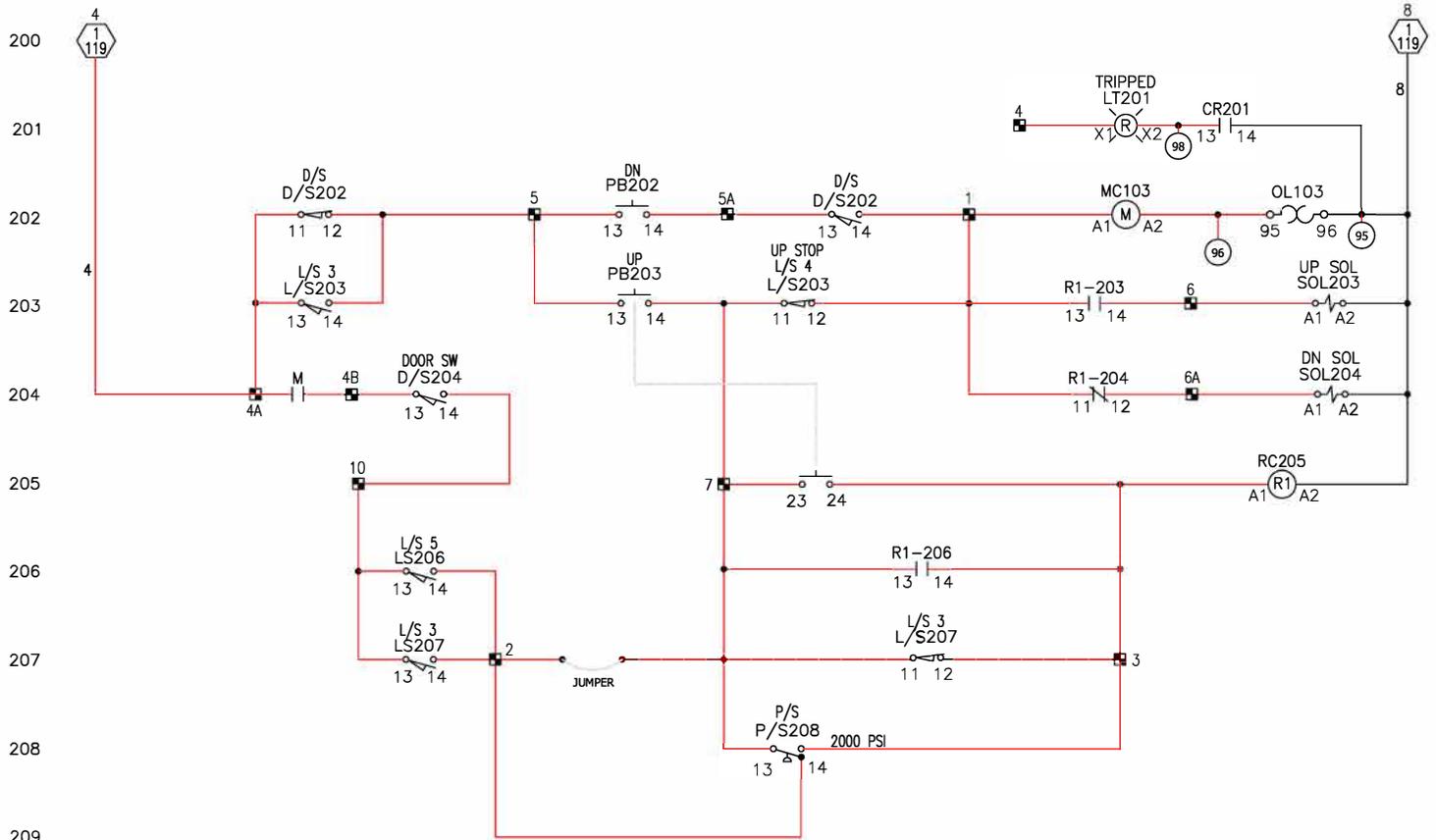
OVERLOAD REPLACEMENT CHART				
HP	208	230	460	575
10HP	32A	28A	14A	11A

CIRCUIT BREAKER CHART
208V/60Hz/3PH/60A CIRCUIT BREAKER
230V/60Hz/3PH/60A CIRCUIT BREAKER
460V/60Hz/3PH/25A CIRCUIT BREAKER
575V/60Hz/3PH/20A CIRCUIT BREAKER



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POWER DISTRIBUTION		SHEET
DESCRIPTION:	BACE LLC	1
DATE:	01 JUN 16	of 8
MODEL NO:	MOTOR VOLTAGE: V630CC	
ENGINEER:	480V\60Hz\3 PHASE	
	CONTROL VOLTAGE: 120VAC 24VDC	



**LEGEND**

- CABINET 120V (+) WIRING
- CABINET 120V (-) WIRING
- CABINET GROUND WIRING
- CABINET 24V (+) WIRING
- CABINET 24V (-) WIRING
- CABINET SAFETY CIRCUIT WIRING
- CABINET JUMPER WIRING
- CABINET UNKNOWN WIRING
- COMMON TERMINAL
- ▣ TERMINAL TB1
- ▣ TERMINAL TB2
- ▣ TERMINAL TB3
- ▣ TERMINAL TB4
- ⬇️ WIRE SOURCE & DESTINATION ARROW
- ⊗ WIRENO

**EXTERNAL COMPONENT LEGEND**

- L/S 1 D/S - BOTTOM DOOR L/S
- L/S 3 - TOP GATE L/S
- L/S 4 - UP STOP L/S
- L/S 5 - ANSI L/S
- P/S - PRESSURE SWITCH
- OL - OVERLOAD CONTACTS
- RELIEF VALVE 2400 PSI

**ELECTRICAL RELAY SCHEMATIC**

DESCRIPTION:	BACE LLC	DATE:	01 JUN 16
MODEL NO:	V630CC	MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:		CONTROL VOLTAGE:	120VAC 24VDC

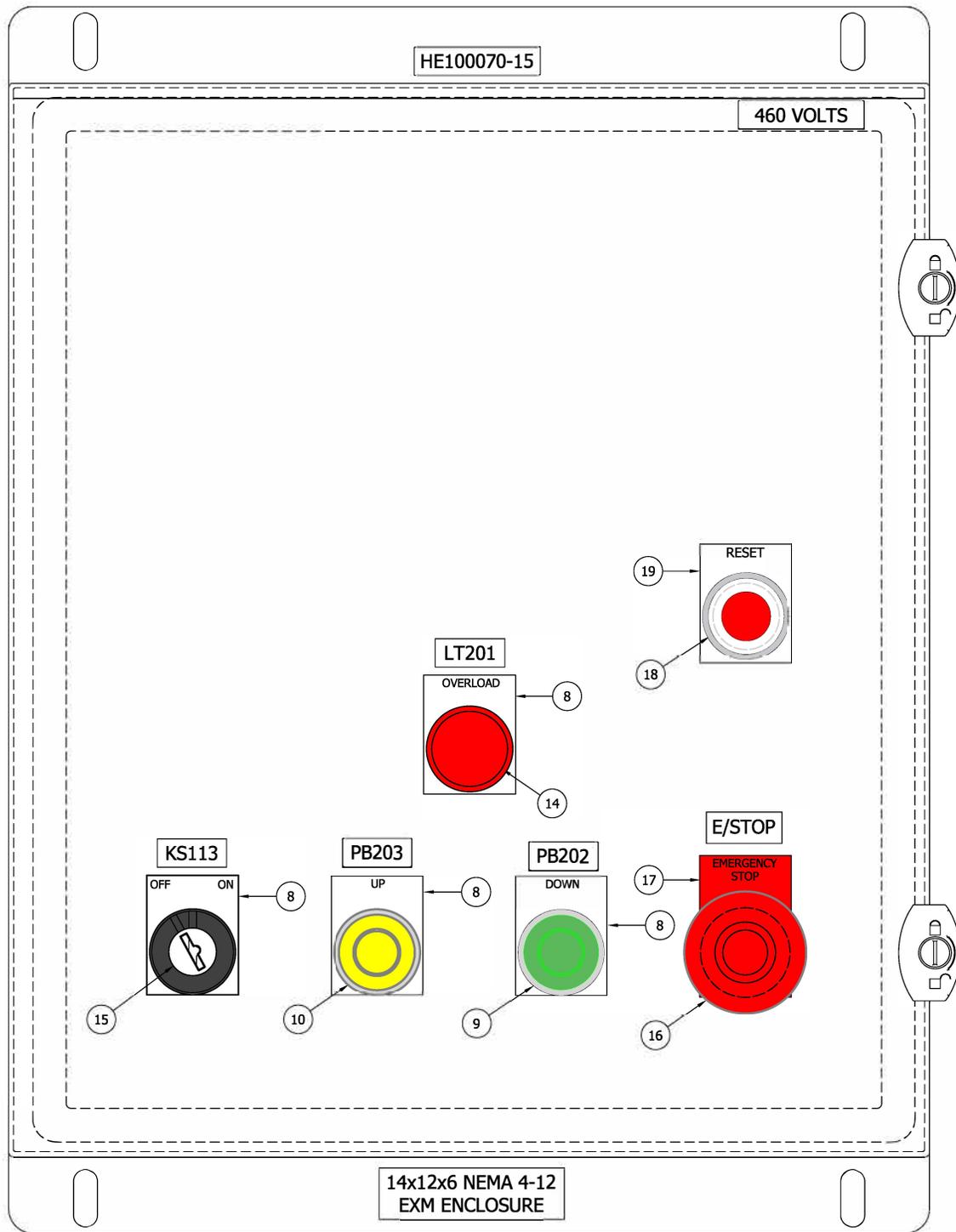
SHEET

**2**

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**8**



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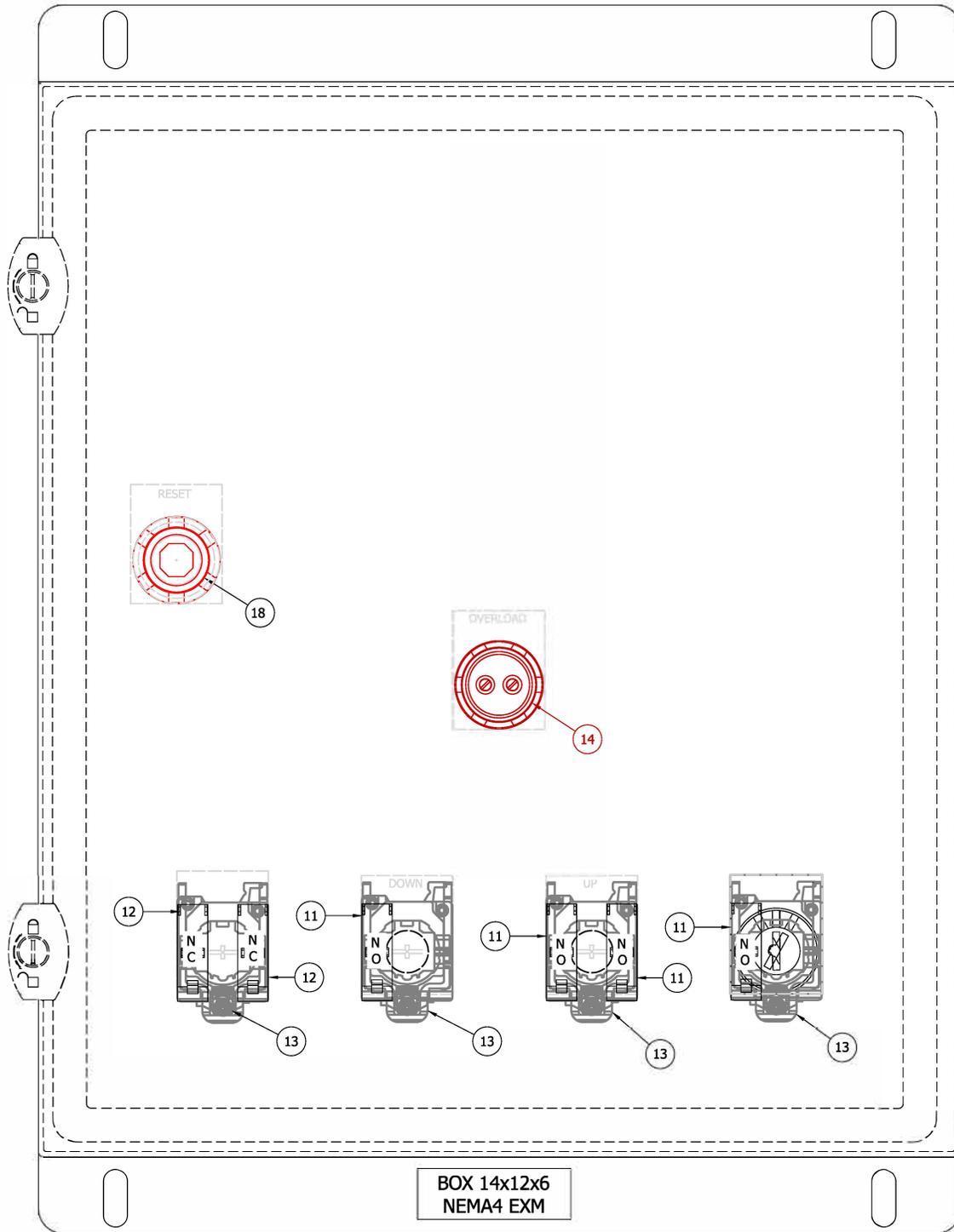
### FRONT PANEL

DESCRIPTION:	BACE INC	DATE:	25MAY 16
MODEL NO:	V630CC	MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:			120VAC 24VDC

SHEET

**3**

of  
8



BOX 14x12x6  
NEMA4 EXM



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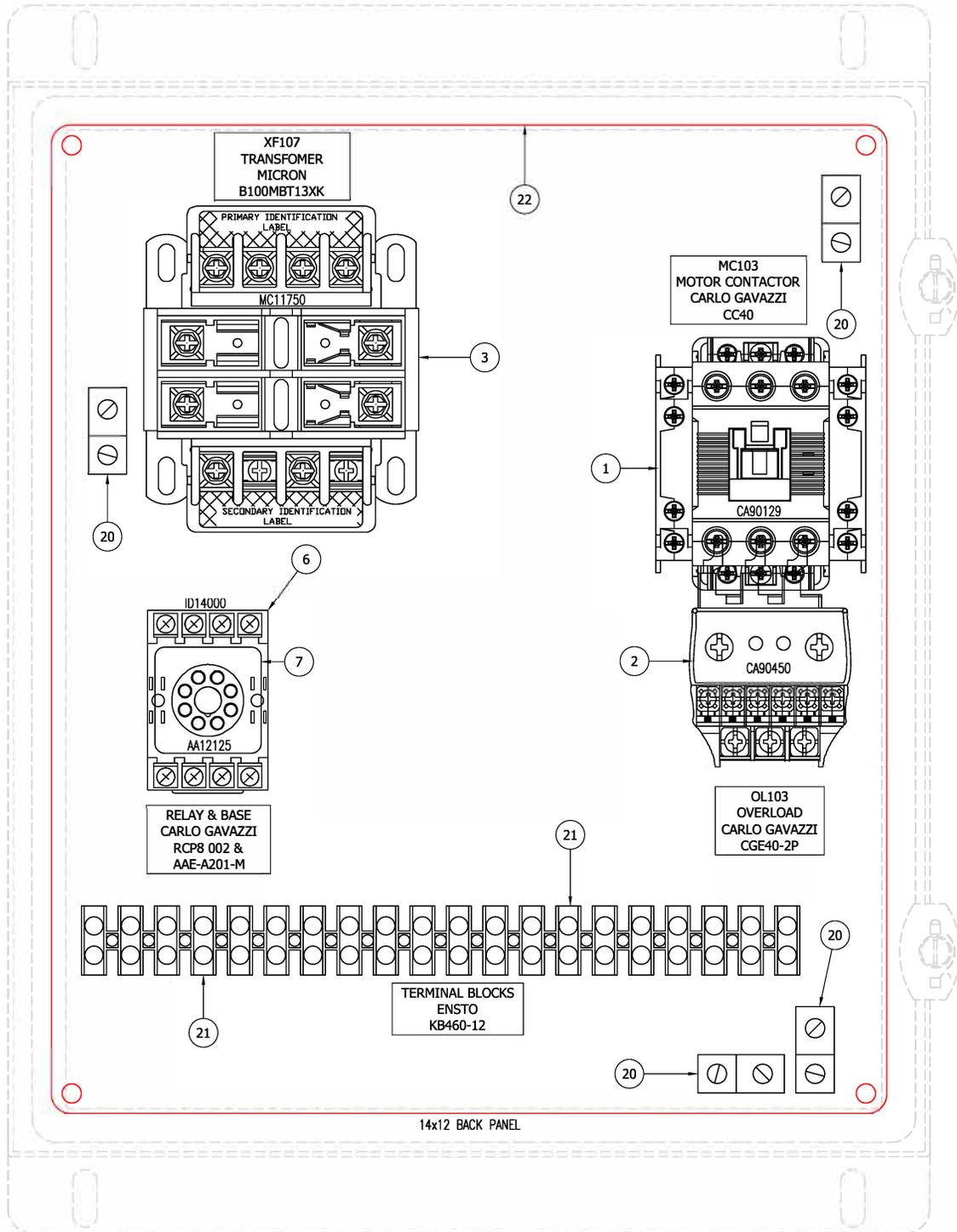
### BACK PANEL

DESCRIPTION:	BACE INC	DATE:	25MAY 16
MODEL NO:	V630CC	MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:		CONTROL VOLTAGE:	120VAC 24VDC

SHEET

**4**

of  
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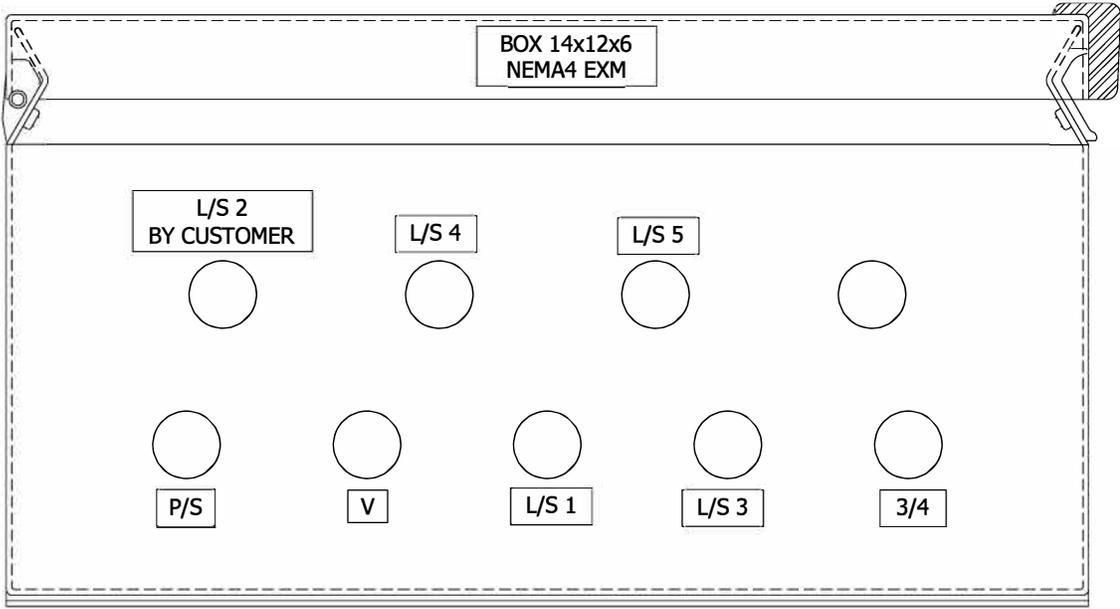
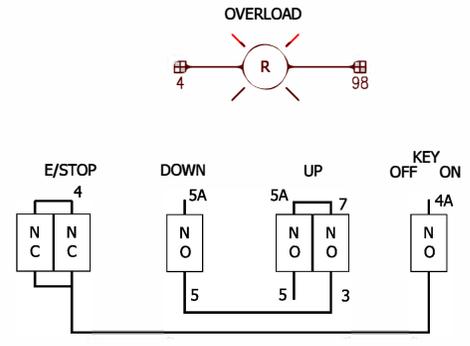
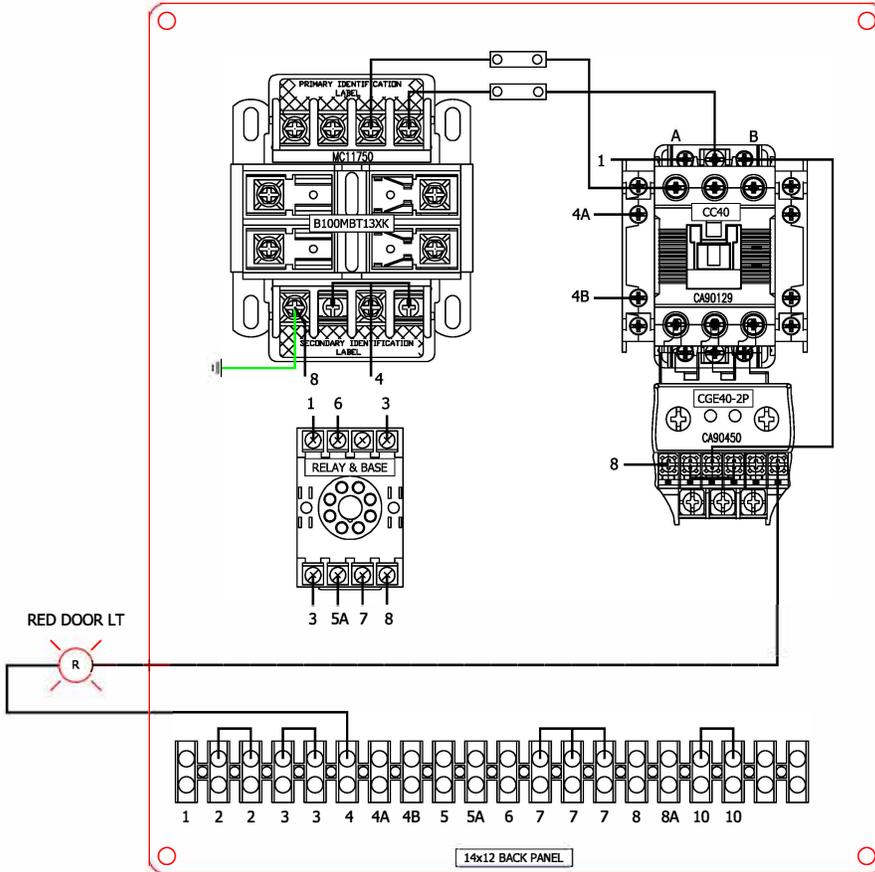
### INTERIOR PANEL

DESCRIPTION:	BACE LLC	DATE:	01 JUN 16
MODEL NO:	V630CC	MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:		CONTROL VOLTAGE:	120VAC 24VDC

SHEET

**5**

of  
8

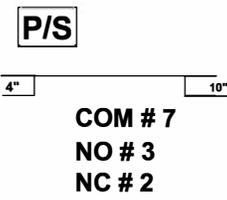
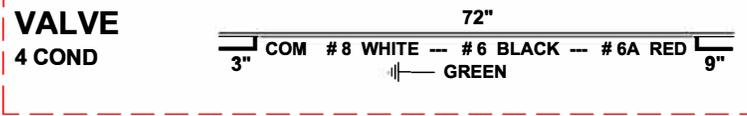
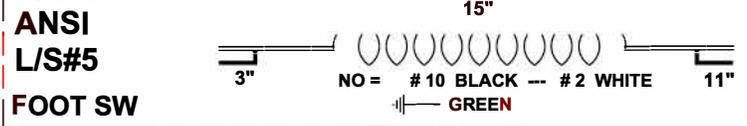
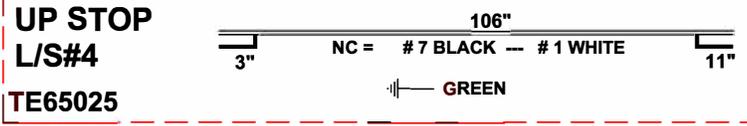
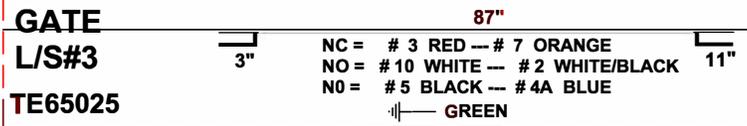
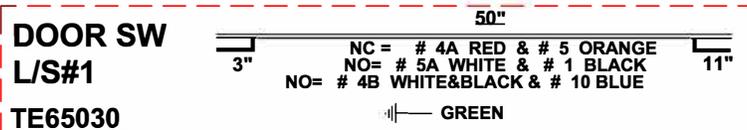


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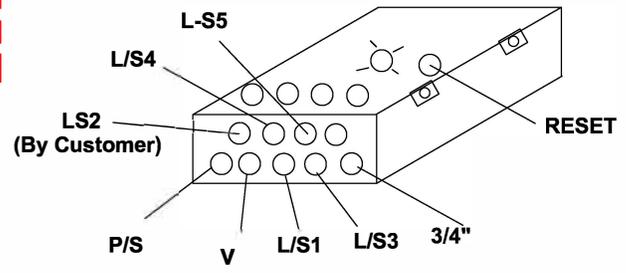
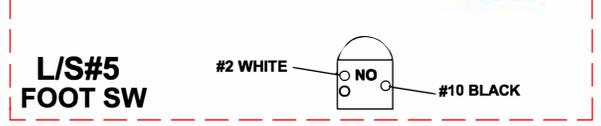
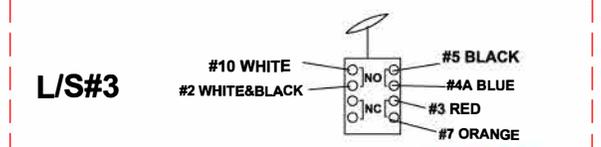
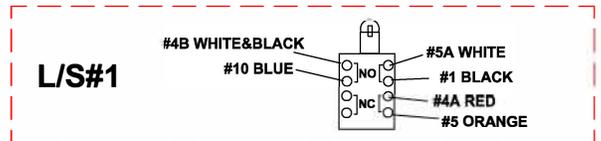
### BACK SHEET WIRE DIAGRAMS

DESCRIPTION:	BACE LLC	DATE:	01 JUN 16
MODEL NO:	V630CC	MOTOR VOLTAGE:	480V(60Hz)\3 PHASE
ENGINEER:		CONTROL VOLTAGE:	120VAC 24VDC

# TELEMECANIQUE L/S



NO L/S # 2



CONTROL BOX 14x12 NEMA 4 EXM



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LIMIT SWITCH DIAGRAMS	
DESCRIPTION:	BACE INC
DATE:	25MAY 16
MODEL NO:	V630CC
MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:	CONTROL VOLTAGE: 120VAC 24VDC



**BOM: (100070-15)**

V630CC

ITEM #	PART #	QTY	MFG	DESC
1	CA90129	1	CARLO GAVAZZI	MOTOR CONTACTOR-CC40
2	CA90450	1	CARLO GAVAZZI	MOTOR CONTACTOR OVERLOAD-CGE40
3	MC11750	1	MICRON	TRANSFORMER WITH FUSE BLOCK-B100MBT13RK
4	LF13500	1	LITTLEFUSE	BLF-2 FUSE/250V
5	LF13520	2	LITTLEFUSE	1A 600V MIDGET TD FUSE
6	ID14000	1	CARLO GAVAZZI	RELAY BASE
7	AA12125	1	CARLO GAVAZZI	RELAY
8	TE29990	4	BACE	BLANK LEGEND PLATE-SQUARE-PB & LT
9	TE12325	1	SCHNEIDER	PUSH BUTTON MOMENTARY - GREEN
10	TE12325	1	SCHNEIDER	PUSH BUTTON MOMENTARY - YELLOW
11	TE83200	4	SCHNEIDER	NORMALLY OPEN CONTACTOR
12	TE83210	2	SCHNEIDER	NORMALLY CLOSED CONTACTOR
13	TE20000	5	SCHNEIDER	SWITCH BASE
14	ME12110	1	HONT	LED MINI LAMP RED 110V
15	TE83600	1	SCHNEIDER	KEY SWITCH - MAINTAINED 2 POS. SPRNG CNTR
16	TE13000	1	SCHNEIDER	ESTOP MUSHROOM BUTTON MAINTAINED RED
17	TE30600	1	SCHNEIDER	SQUARE ESTOP LEGEND
18	TE10000	1	SCHNEIDER	PUSH BUTTON RESET - RED
19	TE30500	1	SCHNEIDER	LEGEND RESET PUSH BUTTON
20	ME11511	4	BACE	GROUND BLOCKS FOR 6-14 AWG. GROUND WIRE
21	ME13715,16	20	ENSTO	TERMINAL BLOCK
22	EL10125	1	EXM	14X12X6 ENCLOSURE WITH BACK PANEL
23	TE65030	1	TELEMECANIQUE	LIMIT SWITCH, (2NO & 2NC) WITH PLUNGER
24	TE65020	1	TELEMECANIQUE	LIMIT SWITCH, ROLLER PLUNGER HEAD
25	TE65000	1	TELEMECANIQUE	LIMIT SWITCH, BODY SW, NEMA 4
26	TE65025	3	TELEMECANIQUE	LIMIT SWITCH
27	TE65000	3	TELEMECANIQUE	LIMIT SWITCH, BODY SW, NEMA 4
28	TE65010	3	TELEMECANIQUE	LIMIT SWITCH, ROTARY HEAD L/S
29	TE65015	3	TELEMECANIQUE	LIMIT SWITCH, VAR. ARM
30	LI10000	1	AQUILINE	FOOTSWITCH, LINEMASTER
31	WR16405	TBD	CAROL SUPER VU-TRON	16/4, VV-1, 600V, FOOT SW, COIL CABLE, SOOW
32	WR18390	TBD	CAROL SUPER VU-TRON	16 AWG. 600V 3/C LIMIT SW SOOW CABLE
33	WR18550	TBD	CAROL SUPER VU-TRON	18 AWG. 600V 7/C LIMIT SW SOOW CABLE
34	EF11000	TBD	HEYCO	3/4" SEALTITE - LIQUID TIGHT CONDUIT
35	BE12500	TBD	HEYCO	3/4" SEALTITE STRAIGHTTHRU ELBOW FITTING
36	EF10500	TBD	HEYCO	1/2" SEALTITE - LIQUID TIGHT CONDUIT
37	BE14000	TBD	HEYCO	1/2" SEALTITE STRAIGHTTHRU ELBOW FITTING
38	WR10500	TBD	THERM-O-LINK	14 AWG. RED, PANEL WIRE
39	WR11500	TBD	THERM-O-LINK	16 AWG. BLUE, PANEL WIRE
40	WR40080	TBD	THERM-O-LINK	16 AWG. YELLOW, PANEL WIRE
41	WR40055	TBD	THERM-O-LINK	16 AWG. BLUE/WHITE, PANEL WIRE
42	WR10070	TBD	THERM-O-LINK	12 AWG. GREEN, PANEL WIRE
43	WR13000	TBD	THERM-O-LINK	16 AWG. GREEN, PANEL WIRE
44	WR10575	TBD	THERM-O-LINK	14 AWG. WHITE, PANEL WIRE
45	WR11000	TBD	THERM-O-LINK	14 AWG. BLACK, PANEL WIRE



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**BILL OF MATERIALS**

DESCRIPTION:	BACE LLC	DATE:	01 JUN 16
MODEL NO:	V630CC	MOTOR VOLTAGE:	480V\60Hz\3 PHASE
ENGINEER:		CONTROL VOLTAGE:	120VAC 24VDC

SHEET

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**8**