

	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

MOTOR CONTROL CENTER SPECIFICATION

Rev.	Description	Prepared by	Verified by	Adm. Approval by	Customer Approval	Date
0	FOR BIDDING	L.A		F.B		2020-07-31

	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

TABLE OF CONTENTS

1.0	INTRODUCTION	3
2.0	PROJECT GENERAL DATA	3
3.0	SCOPE OF SUPPLY	3
4.0	QUANTITY	4
5.0	STANDARDS, CODES AND REGULATIONS.....	4
6.0	TECHNICAL SPECIFICATIONS	4
7.0	LOCAL CONDITIONS.....	8
8.0	SHIPPING.....	9
9.0	TECHNICAL PROPOSAL.....	9
10.0	COMMERCIAL PROPOSAL	10
11.0	DOCUMENTS TO BE DELIVERED BY SUCCESSFUL BIDDER.....	10
12.0	ATTACHMENTS	10

 RMG	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		 BUMIGEME <small>Bureau mines, géologie et métallurgie</small>
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

1.0 INTRODUCTION

This specification is related to the Madneuli existing plant upgrading project located in Bolnisi, Georgia. The present technical sheet covers the specifications for Motor Control Center (MCC) need to mainly feed the new Low Voltage Motors that will be installed in Madneuli exiting plant.

2.0 PROJECT GENERAL DATA

- Project Owner : RMG Copper.
- Process type: Flotation.
- Location: Bolnisi - Georgia (Eastern Europe).

3.0 SCOPE OF SUPPLY

This specification defines the minimum requirements for the design, materials, fabrication, assembly, inspection, test, paint, preparation for shipment, and supply of an IEC Motor Control Center.

The equipment must be installed indoors, inside existing electrical room and designed for continuous operation.

This specification does not discharge the Supplier from his responsibility for the technical performance of the equipment.

The quantities of switchgears are listed in the tables below:

Table 1 : Quantity and characteristics

Item	Tag	Qty	Main bus Capacity (A)	Short Circuit Current (kA/1s)	Rating Voltage (V)	Service Voltage (V)	Incoming Feeders Type	Incoming Feeders Size (mm ²) / Phase
1	BE-WC001	1	2000	65	400	380	Cables	4x1x240 mm ²
2	BE-WC002	1	2000	65	400	380	Cables	4x1x240 mm ²
3	BE-WC003	1	2000	65	400	380	Cables	4x1x240 mm ²
4	BE-WC004	1	2000	65	400	380	Cables	4x1x240 mm ²
5	BE-WC005	1	100	30	400	380	Cables	1x1x120 mm ²
6	BE-WC006	1	1250	50	400	380	Cables	8x1x240 mm ²
7	BE-WC007	1	400	50	400	380	Cables	1x1x240 mm ²

The Supplier will provide complete fully equipped operational Mcc's.

 RMG	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA	 <small>Bureau mines, géologie et métallurgie</small>	
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

4.0 QUANTITY

The supply will include seven (07) complete fully equipped and operational MCC's.

5.0 STANDARDS, CODES AND REGULATIONS

The MV Switchgear shall comply with the latest editions of IEC standards, codes and regulations.

The following particular standards should be followed:

IEC 61439-1: Low-voltage switchgear and control gear assemblies – Part 1: General rules b).

IEC 61439-2: Low-voltage switchgear and control gear assemblies – Part 2: Power Switchgear and control gear assemblies c).

IEC 60204-1: Safety of machinery - Electrical equipment of machines – Part 1: General requirements d) More Electrical Safety.

6.0 TECHNICAL SPECIFICATIONS

6.1 ELECTRICAL CHARACTERISTICS:

- Type: Motor Control Center
- Insulation: Air insulated.
- Installation: Indoor.
- Electrical System: 3 Phase Alternative Current System.
- Service Voltage: 380 V (between any two conductors).
- Rated Voltage: 400 V
- Frequency: 50 Hz.
- Control voltage : 220 Vac.
- Heating Resistors: yes.
- Protection Index: IP21 minimum
- Rated Short-time withstand current: As per table above.
- Operating current: As per table above.
- Protection : Circuit Breakers.
- Incoming Feeders Number : As per table above.
- Incoming Cables: by the Top.
- Outgoing cables: by the top.
- Bus Bars Material: Copper.
- Insulation between bars: Air.
- Grounding Bar Material: Copper.

	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

6.2 MCC SPECIFICATIONS:

6.2.1 ACCESSIBILITY AND COMMUNICATION

Each MCC will be equipped by the following:

- All Variable frequency Drives (VFD) and “SMART” Direct Online Starters (DOL) must be able to communicate by ETHERNET/IP communication protocol. In case if the supplier propose another protocol, he must explain how the communication could be achieved with PLC “1756-L84E Logix5580E Controller” used in the project.
- MCC’s VFD’s and DOL starters will be connected to form a communication loop to communication SWITCH. In case if a loop is not possible, other topologies should be proposed.
- Each MCC will be equipped with its own SWITCH.
- Each switch should have at least 2 fee communication ports.
- Each VFD should have an HMI of the door of the appropriate column.
- When possible, each DOL starter should have an HMI of the door of the appropriate column.
- Each DOL Starter should have the following items on the door:
 - Manual/Remote Selector.
 - Start Button (Black).
 - Stop Buttton (Red).
 - Run indicating light (Green).
 - Stop indicating light (White).
 - Fault indicating light (Red).
- Each VFD should have the following items on the door:
 - Run indicating light (Green).
 - Stop indicating light (White).
 - Fault indicating light (Red).
- Each MCC should be equipped with Power Control Unit (PCU) indicating at least what is following:
 - Voltage: Phase to Phase and Phase to Neutral.
 - Current: Phase to Phase and Phase to Neutral.
 - Frequency.
 - Active power.
 - Reactive power.
 - Apparent power.

	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

- Harmonic measurements: THD for current and voltage,

6.2.1 STRUCTURE

- The MCC must consist of one or more columns that are bolted together to form a rigid, free-standing assembly.
- The MCC must be designed with full isolation of electrical components from the front side of the enclosure.
- Columns must be fabricated of formed sheet steel to provide an enclosed, dead-front construction, joined to form one, rigid, free-standing assembly.
- Units within each vertical column must be based on manufacturer module spacing standards. Any given column can house a combination of fixed and withdrawable units.
- Each vertical column must be provided with an adequately vertical wiring trough. All wiring troughs must be isolated from all buses and units. Vertical troughs must have a separate access door for the full height of the vertical section.
- Painting must be according to standards by the MANUFACTURER.
- Cable entrances into the motor control center must be from the top.
- When doors are open, a person on the operating side of the equipment must not be exposed to live parts. There must be an IP2X minimum protection maintained.

6.2.2 FORM OF SEPARATION

Internal isolation and separation must exist between the following:

- Individual units.
- Units and wireways.
- Units and the bus system.
- Wireways and the bus system.

6.2.3 MOUNTING CONFIGURATIONS

- The MCC must be available in front-only.
- Columns must be joined and installed side-by-side.

6.2.4 WIREWAYS

- Horizontal wireways must be at least at the top of each MCC column.
- The horizontal wireways must be sized to contain all the cables and be filled at 80%.
- Horizontal wireways must extend the full width of the MCC.

	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

- Horizontal wireways must have removable front covers that are held in place by captive screws.
- Horizontal wireways must be isolated from the power bus.
- The vertical wireway must extend from the top horizontal wireway to the bottom.
- Hinge location of the door permits unobstructed access to units and wireway alike.
- The vertical wireway must be isolated from the power bus and must be independent of unit space.
- Vertical wireways must be covered with steel doors and must be held in place by door latches.

6.3 POWER BUS

6.3.1 INCOMING POWER

- MCC incoming line voltage must be between 380V/50Hz, 3-phase.
- 3-wire and 4-wire systems are available. If the system is a 4-wire solution, TT grounding system is required.
- The power bus system must be supported, braced, and isolated by a continuous bus support.

6.3.2 HORIZONTAL POWER BUS

- Standard, horizontal power-bus material must be tin-plated copper per the manufacturer standards.
- The power bus must be continuous in each column or shipping block.
- Horizontal power-bus splicing must be accomplished with a splice kit of the same ampere rating as the horizontal power bus.
- To help ensure the reliability of the splice connections, both ends of the horizontal bus splices must have at least two bolts. Bolts must require no periodic maintenance.

6.3.3 VERTICAL POWER BUS

- The vertical power-bus material must be tin-plated copper.
- Vertical power busbars must provide optimum contact with the unit plug-in stabs.
- The vertical bus must be contained in a continuous, recessed bus support. No pointbracing is allowed.

	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

6.3.4 NEUTRAL BUS

- The horizontal neutral bus, when specified for 4-wire systems, must be provided across the full width of the MCC and must be located above or below the horizontal power bus.
- The neutral bus must match the material and specifications of the vertical power bus.
- The vertical neutral bus must be mechanically joined to the horizontal neutral bus.
- The neutral bus must be braced the same way as the horizontal and vertical power bus.

6.3.5 AUTOMATIC SHUTTERS

- Automatic shutters that must open as withdrawable units are inserted and must close by using non-gravitational mechanisms when the unit is removed.

6.4 PROTECTIVE EARTH CONDUCTOR

6.4.1 HORIZONTAL PROTECTIVE EARTH (PE) CONDUCTOR

- The horizontal PE conductor must be:
 - Made from standard copper or optional tin-plated copper.
 - Continuous for the width of the column and must be located in the bottom horizontal wireway.
- Each column is pre-punched and predrilled with 12 evenly spaced, 8 mm holes along the length of the conductor to receive ground connections.

6.5 MAIN INCOMING SECTION

- Air Circuit Breaker (ACB) or Molded Case Circuit Breaker (MCCB):
 - All main incoming units must be front accessible.
 - Main ACB or only switches incoming units must be fixe.
- All main incoming units must be 3-pole or 4-pole.
- The main incoming section must contain removable protective barriers on the line side to help reduce possibility of accidental contact with line terminals.
- The main incoming section must contain power metering with communication capabilities (Ethernet/IP).

7.0 LOCAL CONDITIONS

The local conditions are:

- Climate: Continental.
- Plant elevation: 718 m above mean sea level.

 RMG	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		 <small>Bureau mines, géologie et métallurgie</small>
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

- Outside temperature: -15 to 35 °C minimum and maximum (annual average).
- Room temperature: 18°C.
- Min. Relative humidity: 45%.
- Max. Relative humidity: 100%.
- Rainfall: 400 mm (annual average).
- Maximum snow accumulation: 300 mm.
- Snow load: 100 kg/m2.
- Seismic activity:

Annual Exceedance Probability (AEP)	Macro-seismic Intensity Scale (MSK-64)	PGA (g)
1:1000y, 5% in 50y	8	0.2-0.3
1:2500y, 2% in 50y	9	0.2-0.3
1:5000y, 1% in 50y	9	0.3-0.4

8.0 SHIPPING

The Switchgear should be packed in suitable packaging to be shipped to Poti port (Georgia) and then transported by trucks to the final destination in Bolnisi.

9.0 TECHNICAL PROPOSAL

The technical proposal must include the following documentation:

- Product description.
- Technical spécification for :
 - MCC columns.
 - Power Control Unit.
 - DOL starters' including brand and model.
 - VFD's including brand and model.
 - Communication switches including brand and model.
 - Communication protocol ETHERNET/IP or other. If another protocol is proposed, informations should be provided to explain how the communication could be achieved with the PLC identified earlier.
 - Description of communication topology.
- Preliminary drawings showing the different MCC's including the dimensions and weights.
- Generic schematics showing the wiring diagrams of selected VFD's and DOL starters.

	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

- List of tests.
- List of Certifications.

10.0 COMMERCIAL PROPOSAL

The proposal must include but not limited to:

- Price Breakdown including:
 - Equipment price.
 - Spare parts price for commissioning and 2 years maintenance price .
 - Cost for shipment CIF Port of Poti, Georgia.
 - Field assistance during commissioning and start-up.
- Modalities and general sales conditions.
- Products description.
- Packaging.
- List and cost for the documents to be delivered.
- Payment terms.
- Warranties and Performance Guaranties.
- Delivery Time and schedule.
- Validity of the proposal (Days).

11.0 DOCUMENTS TO BE DELIVERED BY SUCCESSFUL BIDDER

The successful bidder should deliver the following documents:

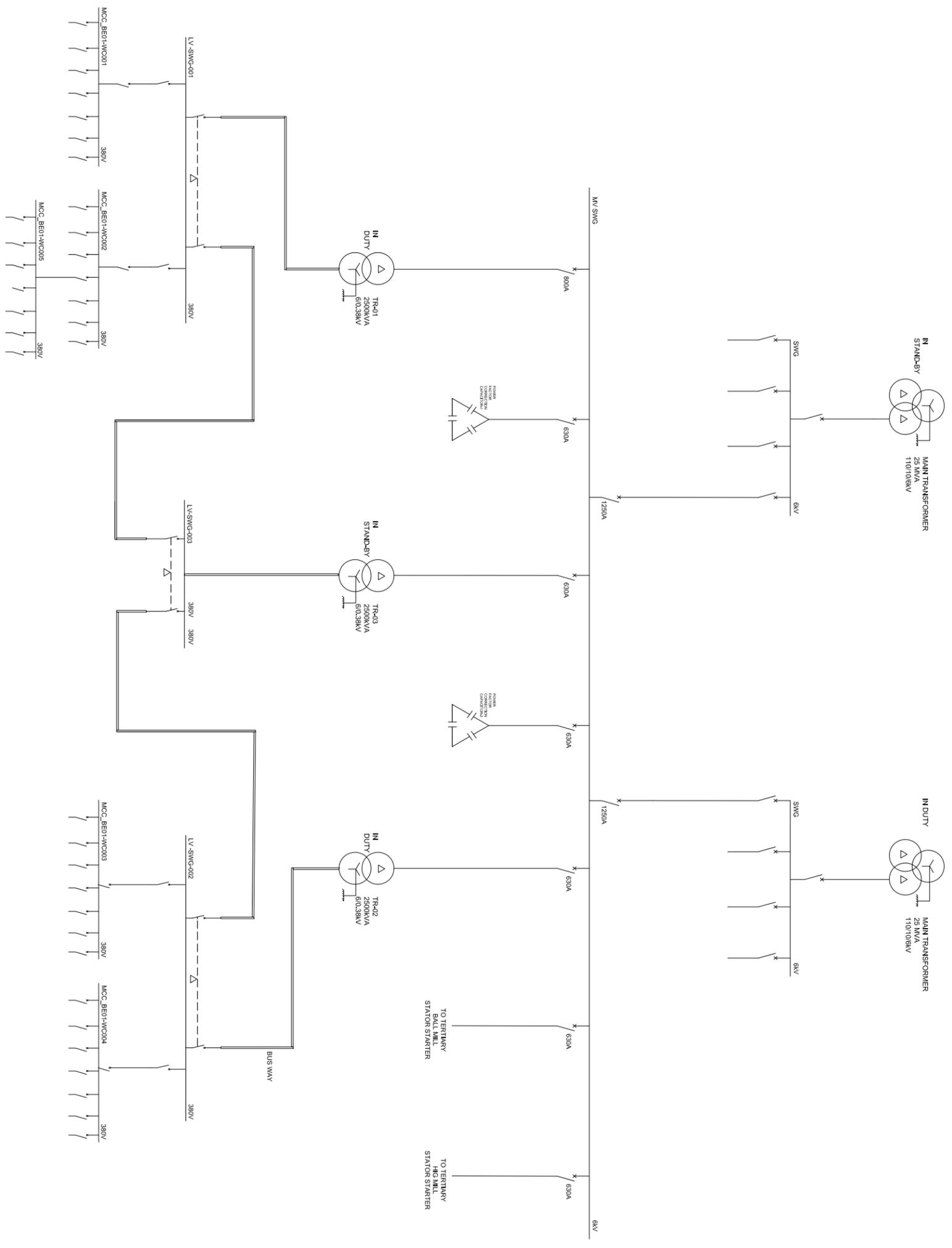
- Installation and starting manuals.
- As built drawings.
- List of materials
- Spare parts list.
- Maintenance manuals.
- Tests certificates.

12.0 ATTACHMENTS

- Simplified Single Line Diagram.
- MCC_BE01-WC001 Bid Drawings.
- MCC_BE01-WC002 Bid Drawings.
- MCC_BE01-WC003 Bid Drawings.
- MCC_BE01-WC004 Bid Drawings.
- MCC_BE01-WC005 Bid Drawings.

	RMG MADNEULI EXISTING PLANT UPGRAD BOLNISI - GEORGIA		
<i>Projet N° :</i>	Document N° :	Rev :	Date :
C22006	C22006-06-SPC-004	0	2020/05/03
MCC SPECIFICATION			

- MCC_BE01-WC006 Bid Drawings.
- MCC_BE01-WC007 Bid Drawings.



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	DESIGN:	DATE	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H8B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	DESCRIPTION:	SCALE: NO	UNITS: mm	DRAWING NO.:	FORMAT:	A1	PAGE: 1/2
		0	2020-07-29				F. BARIL	L.AMKHOUKH	L.AMKHOUKH	2020-06-11		RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	C22006 PROJECT	000 - 06 - DG 001	AREA	DISC	TYPE	SEQ.	REV.

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DATE
		0	2020-07-29	ISSUED FOR BIDDING			F. BARIL	2020-07-27

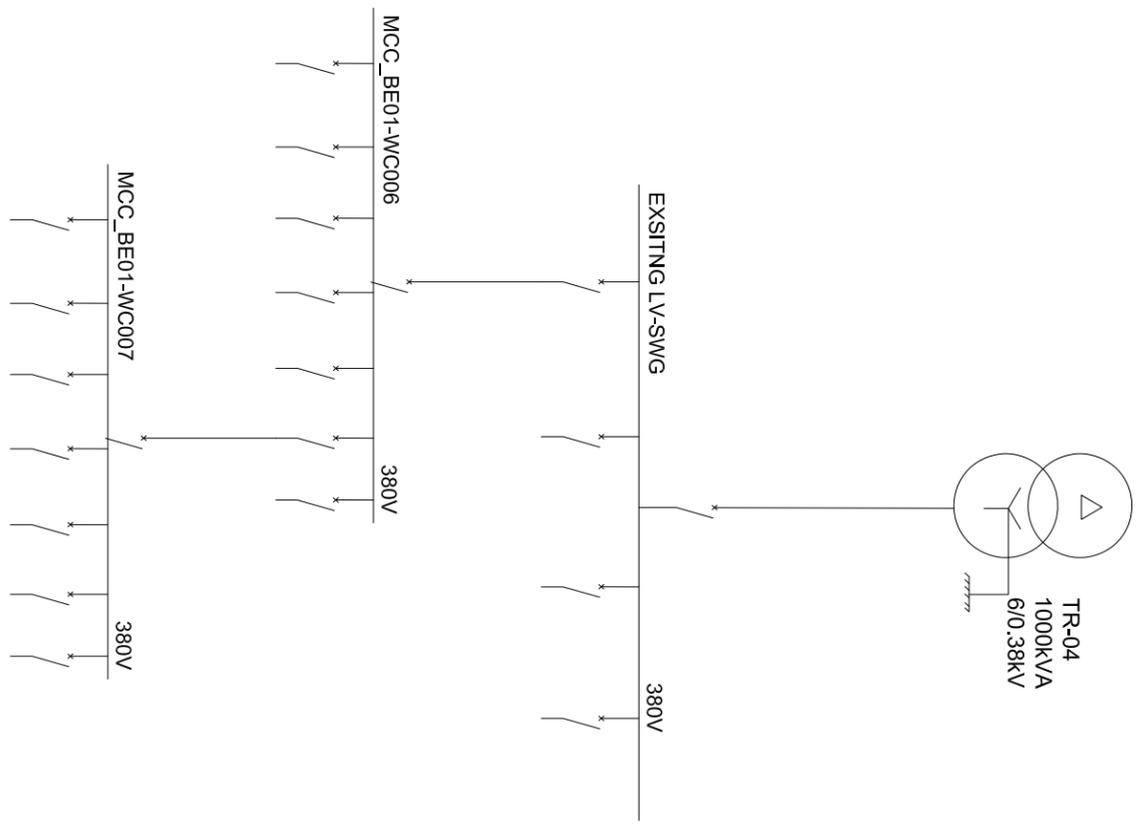
BUMIGEME
 Mining, Geology and Metallurgy
 615, René-Lévesque O, Room 750
 Montréal, Québec, H3B 1P5, Canada
 Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com

CLIENT:
RMG COPPER JSC

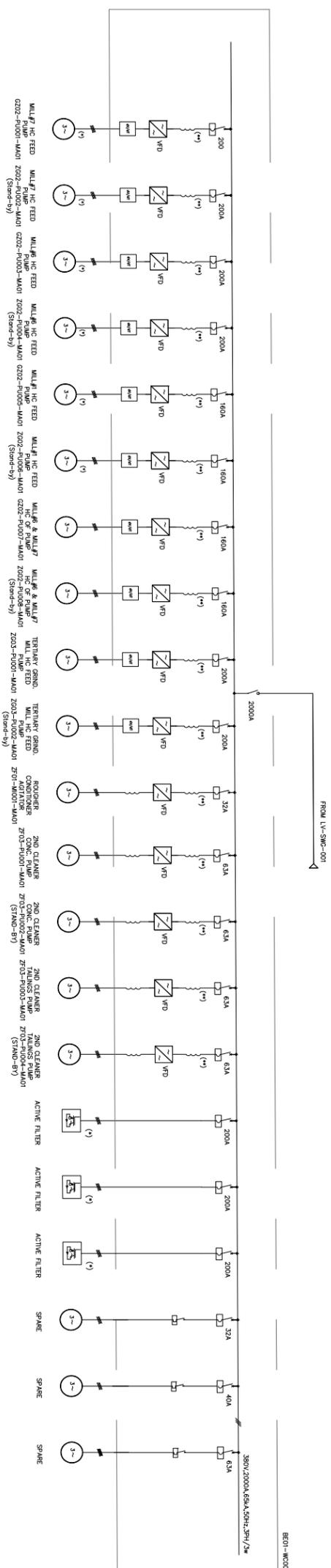
PROJECT:
**RMG MADNEULLI EXISTING
 PLANT UPGRADING PROJECT
 BOLNISI - GEORGIA**

DESCRIPTION:
**SIMPLIFIED SLD
 FILTRATION BUILDING**

SCALE: NO PROJECT
 UNITS: mm
 DRAWING NO.: 000 - AREA
 FORMAT: A1 DISC. TYPE
 PAGE: 2/2 SEQ.
 REV. 0



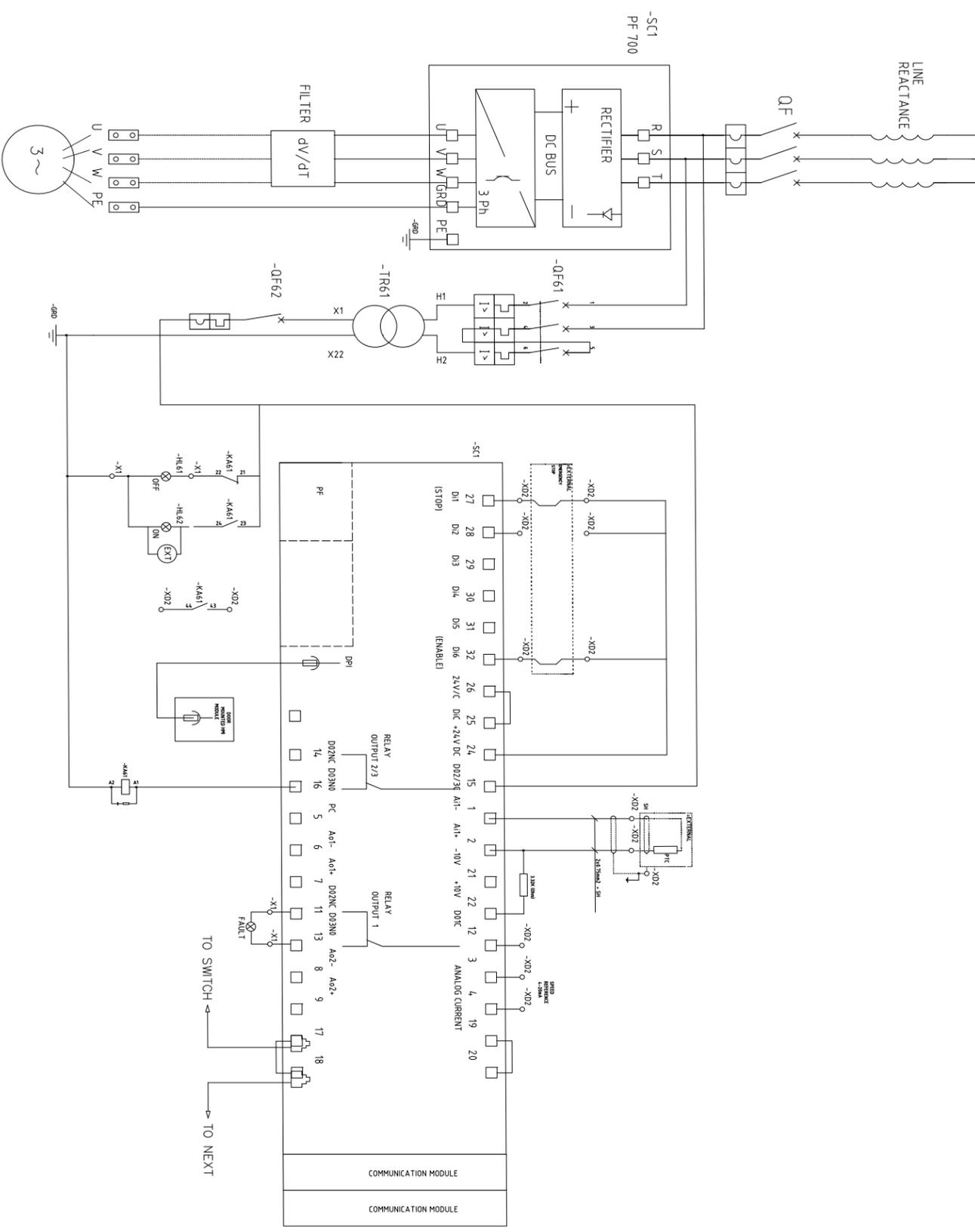
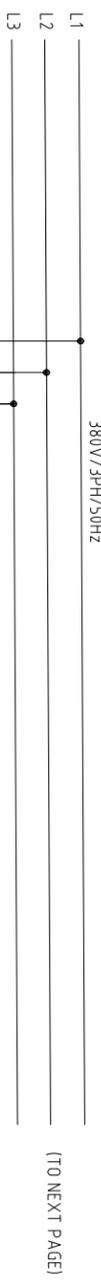
xxx	CIRCUIT BREAKER
xxx	DISCONNECT SWITCH
xxx	MAGNETIC PROTECTION
xxx	THERMIC PROTECTION
xxx	CONTACTOR
xxx	VARIABLE FREQUENCY DRIVE
xxx	ACTIVE FILTER
xxx	LINE REACTANCE
xxx	INTERMEDIATE POWER SOURCE (IPS)
xxx	di/dt FILTER



POWER (kW)	75	75	75	75	55	55	75	75	75	11	18.5	18.5	22	22	10	15	20
MAJOR VOLUME (V)	400	400	400	400	400	400	400	400	400	380	400	400	400	400	400	400	400
FREQUENCY (Hz)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
PHASE NUMBER	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RAISED CURRENT (A)										32	35	35	42.8	42.8			
POWER FACTOR										0.89	0.82	0.82	0.80	0.80			
CURRENT START FACT										6.5	10.3	10.3	10.1	10.1			
MOTOR SPEED (RPM)										1475	1472	1472	1473	1473			
POLES NUMBER																	
PTC NUMBER																	
WATON EFFICIENCY										0.92	0.92	0.92	0.93	0.93			
REMARK										3 PTC (THERMIST)							

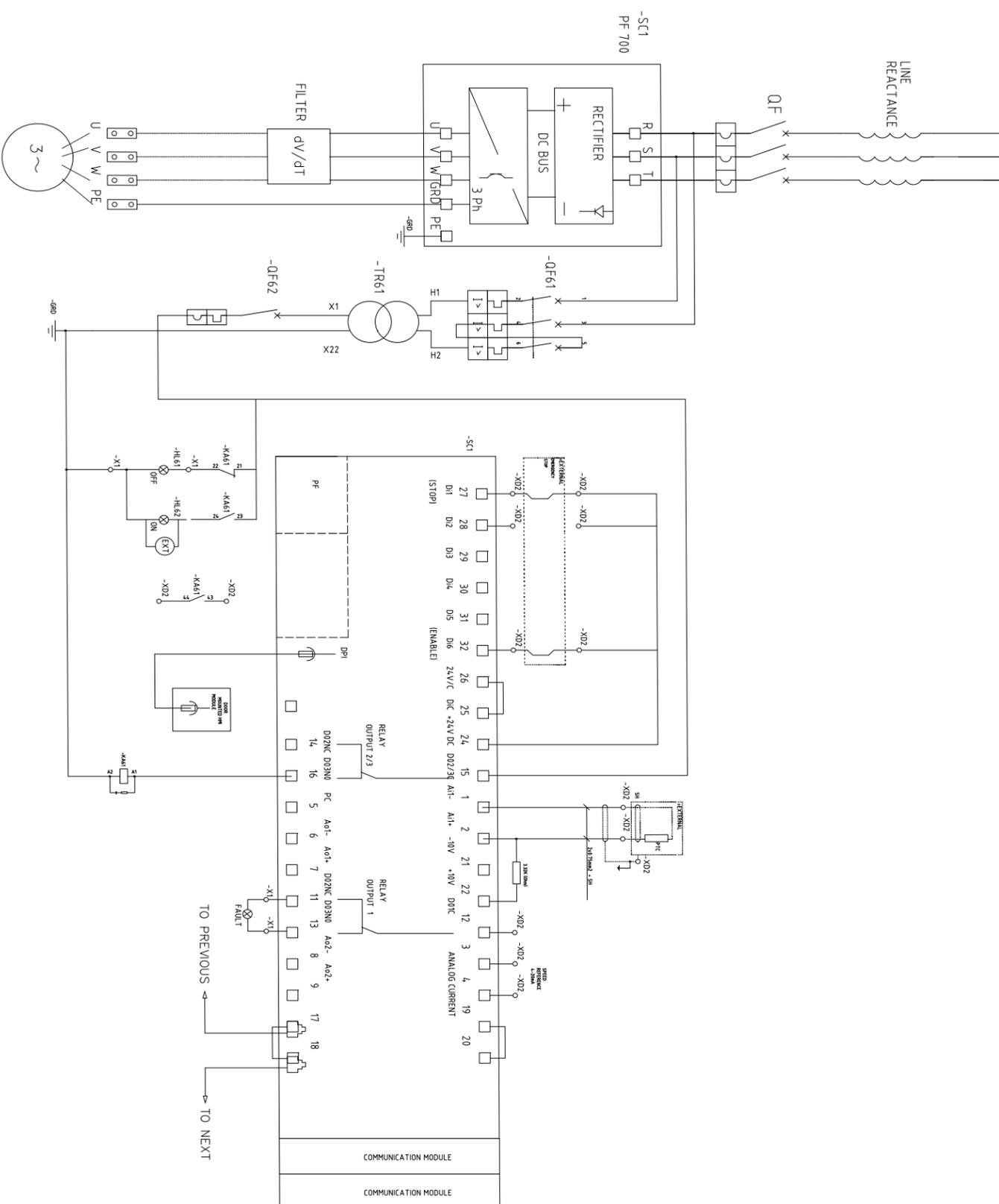
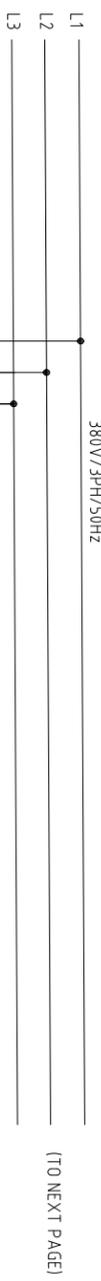
(*) DATA TO BE CONSIDERED LATER
 (**) NOT TO BE CONSIDERED WITH DC LINK DRIVE

DWG. NO.	0	2020-07-29	ISSUED FOR BIDDING	BY	F. BARIL	2020-07-27	DESIGN: LAMKHOUKH DRAWN: LAMKHOUKH VERIFY: LAMKHOUKH	CLIENT: RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001
REFERENCE DRAWINGS							Mining, Geology and Metallurgy BUMIGEME 615, René-Lévesque O, Room 750 Montreal, Quebec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	PROJECT: RMG MADNEULL EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO C22006 UNITS: mm 000 - 06 - DG AREA DISC. TYPE A1 PAGE: 1/23 REV. 0

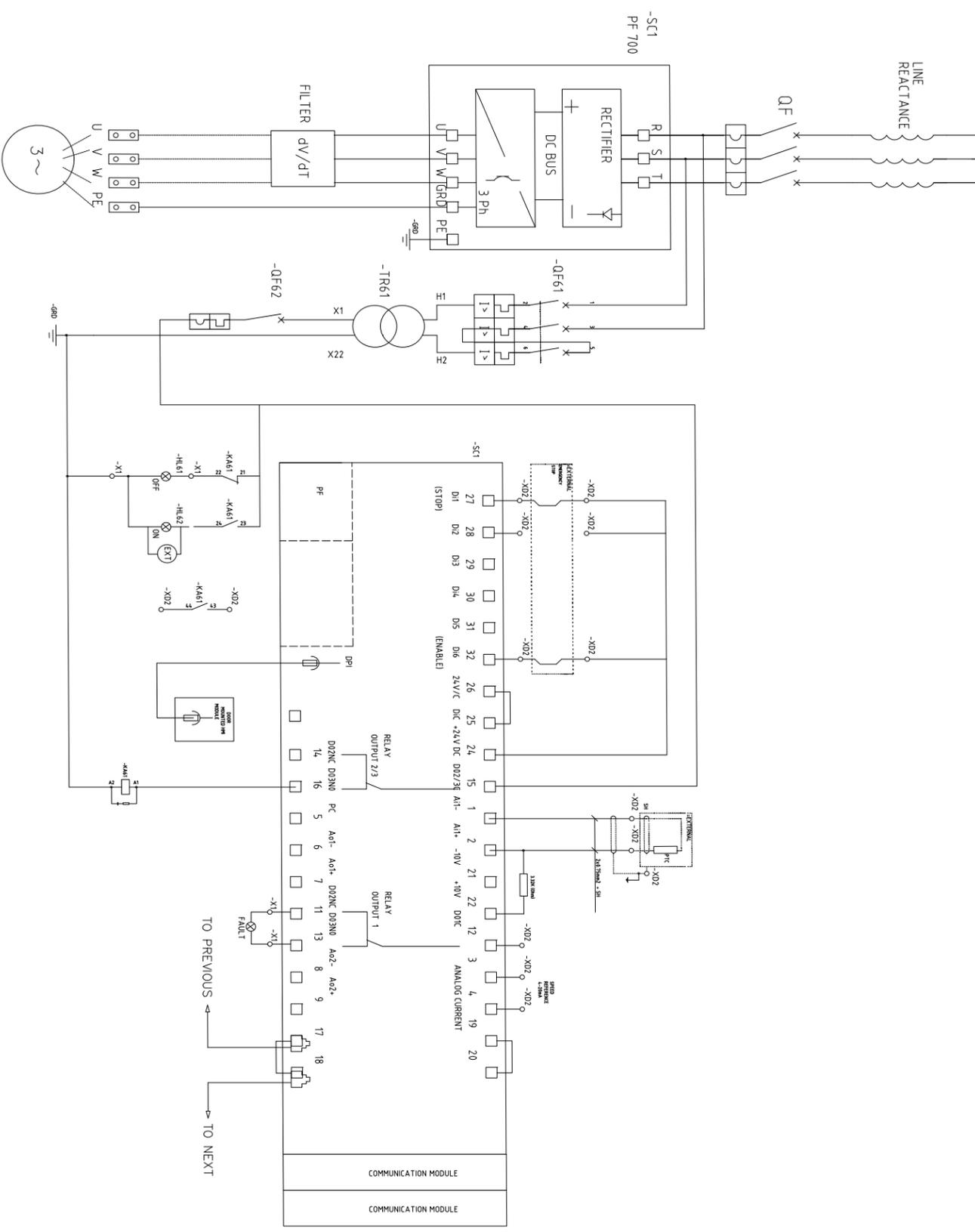
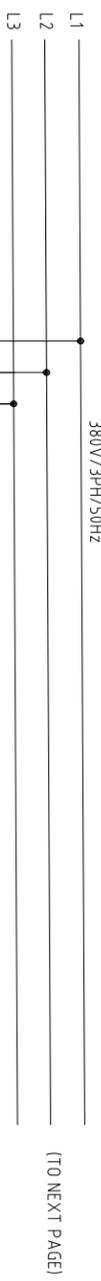


(TO NEXT PAGE)

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-843-6565, fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
VERIFY:				SCALE: NO	C22006		
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DWGS: mm	000	FORMATE: A1	PAGE: 2/23
BY				PROJECT	AREA	DISC	TYPE
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION		

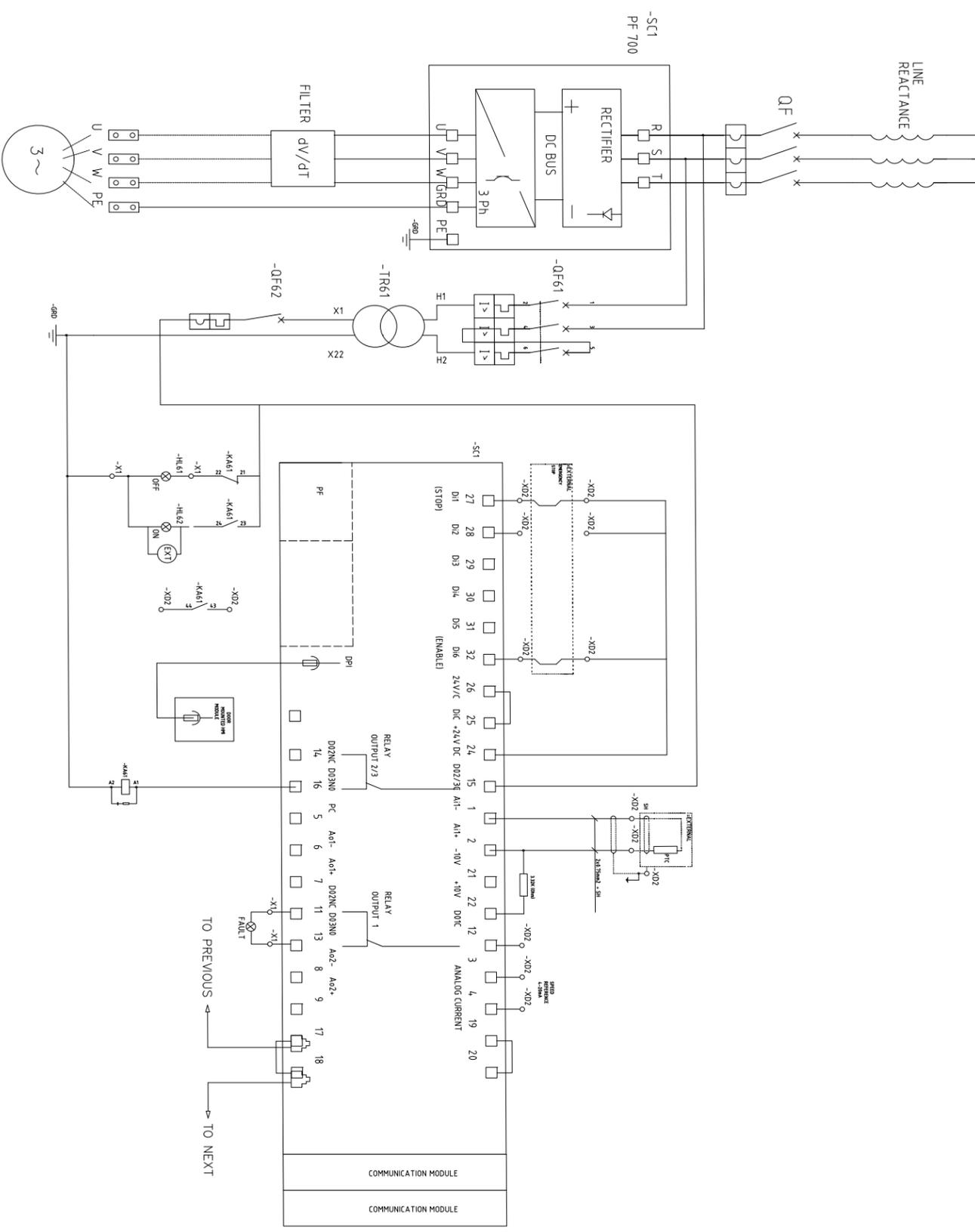
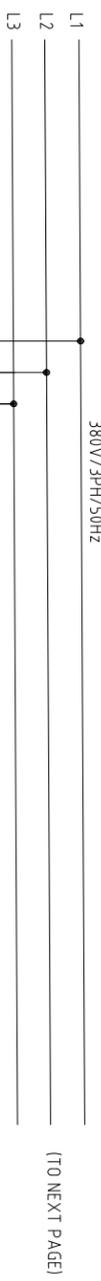


DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-843-6565, fax. 514-843-6308, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT	SCALE: NO	C22006
VERIFY:				THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	BOLNISI - GEORGIA	DWTS: mm	000
APPROVED:	F. BARIL	2020-07-27			FORMAT: A1	06 - DG 002	0
BY					TYPE	DISC	REV
REFERENCE DRAWINGS					SEQ.		
REV	DATE	ISSUED FOR BIDDING	DESCRIPTION		PAGE: 4/23		
0	2020-07-29						
DWG. NO.							



(TO NEXT PAGE)

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-843-6565, fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC001
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006
VERIFIED:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.			DWGS: mm	000
APPROVED:	F. BARIL	2020-07-27					AREA
REV	0	2020-07-29	ISSUED FOR BIDDING			FORMAT:	A1
						TYPE:	002
						SEQ:	0
DWG. NO.			REFERENCE DRAWINGS			REV:	0



DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC001			
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:						
VERIFY:				SCALE: NO						
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY
0		2020-07-29								

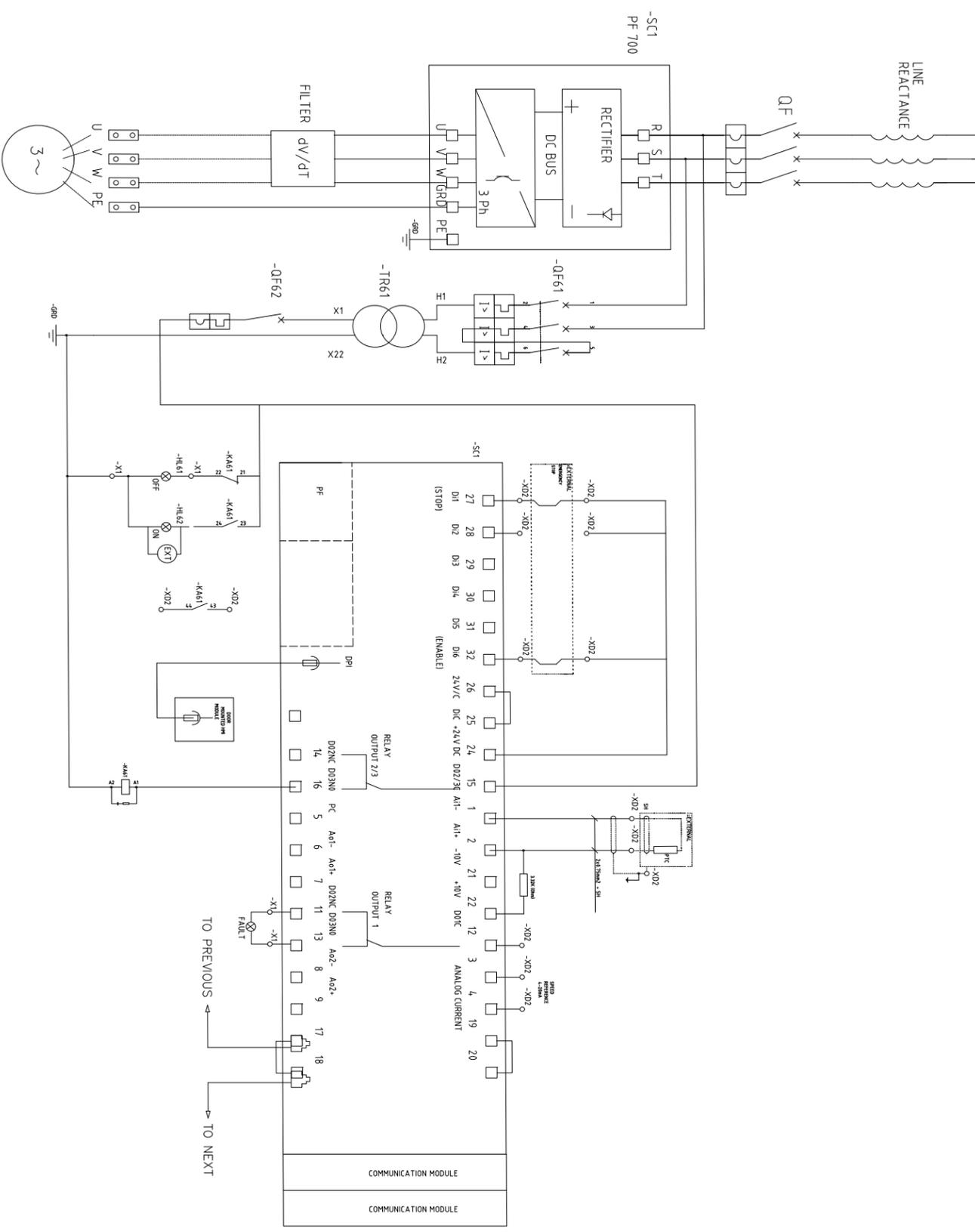
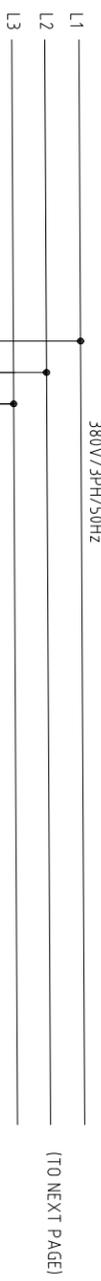
(TO NEXT PAGE)

TO PREVIOUS

TO NEXT

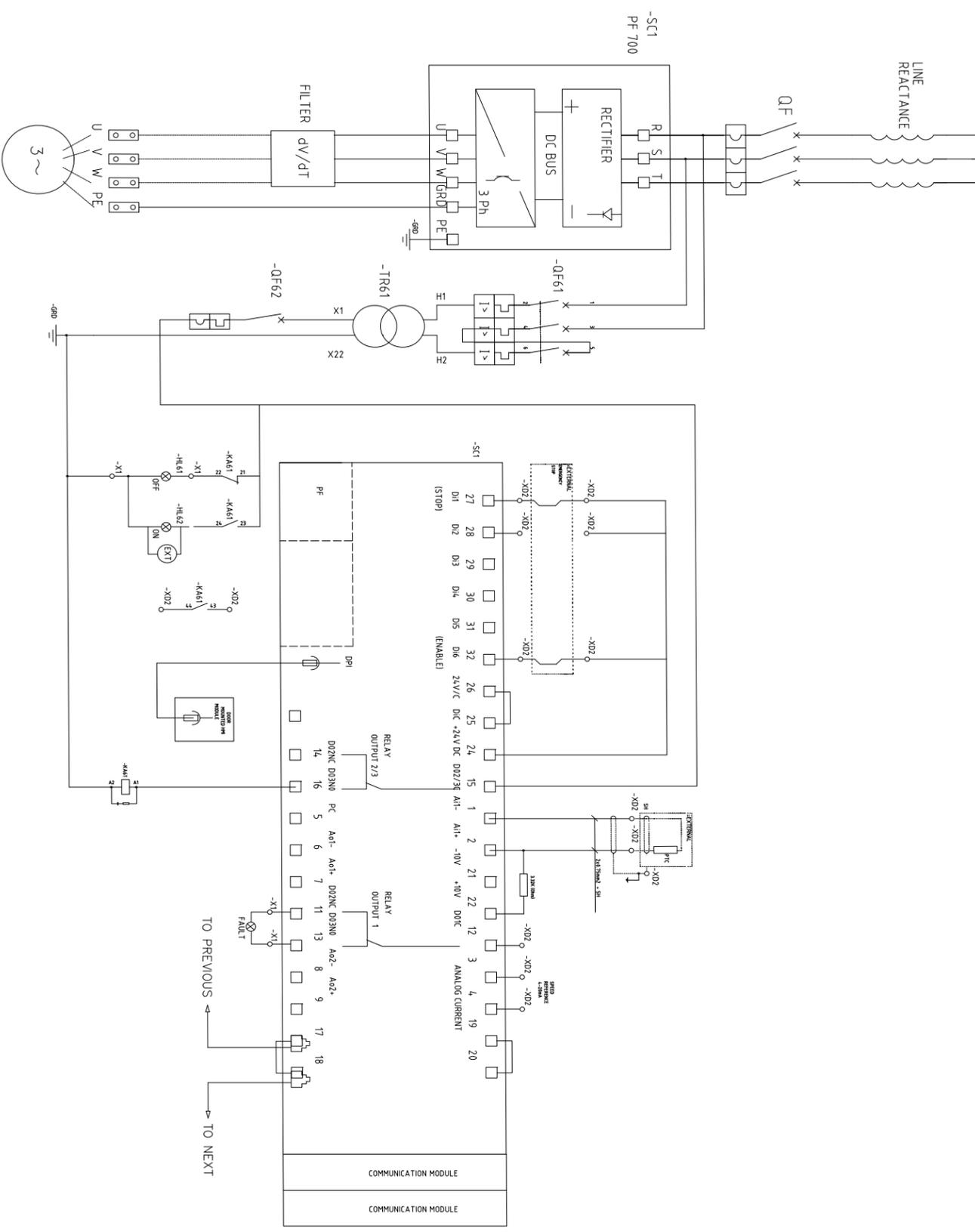
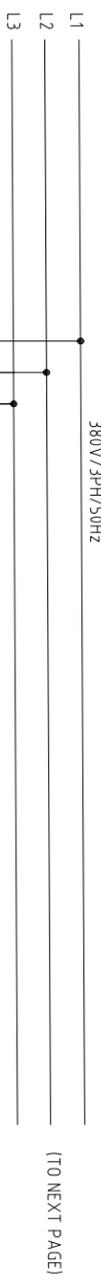
COMMUNICATION MODULE

COMMUNICATION MODULE



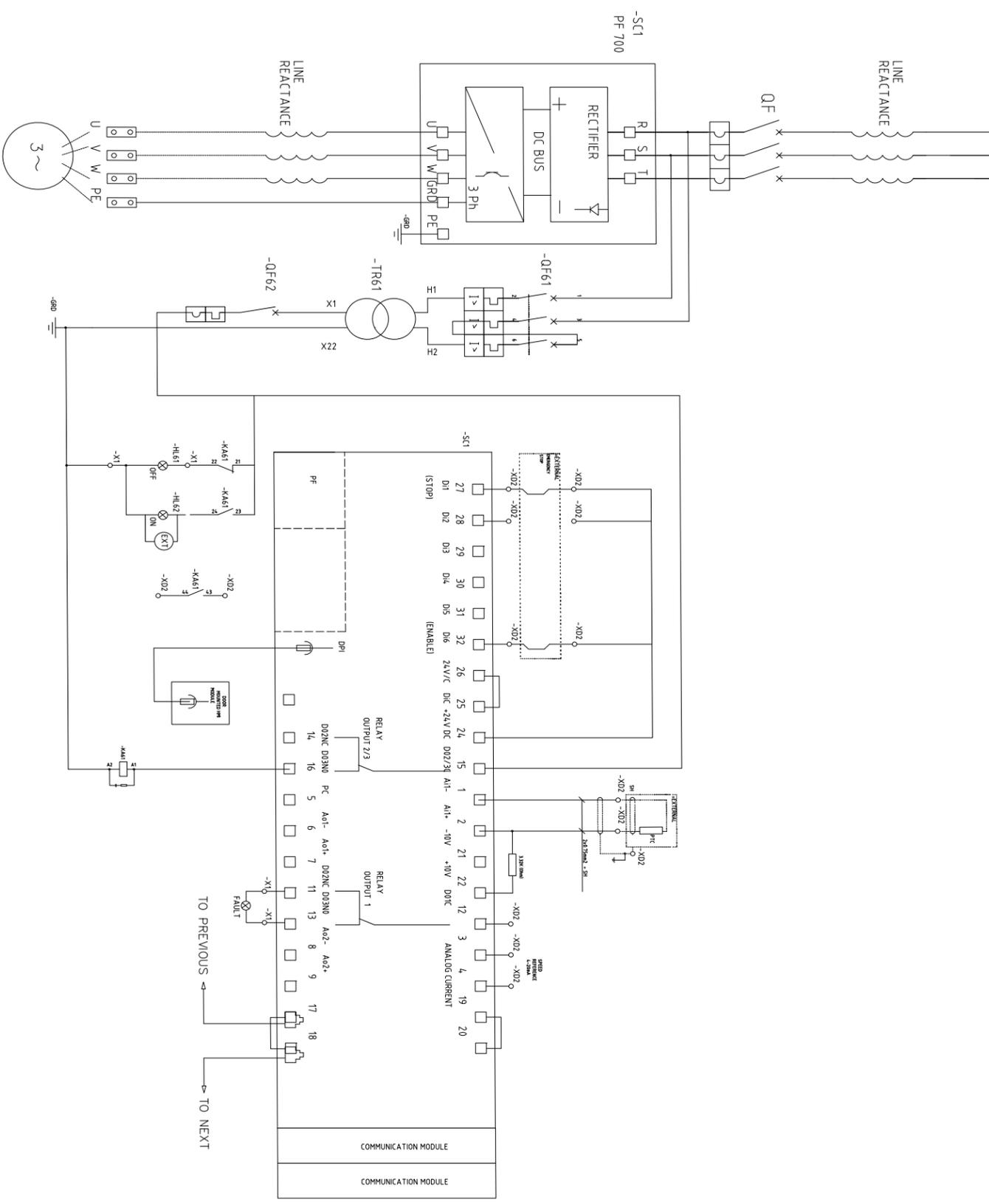
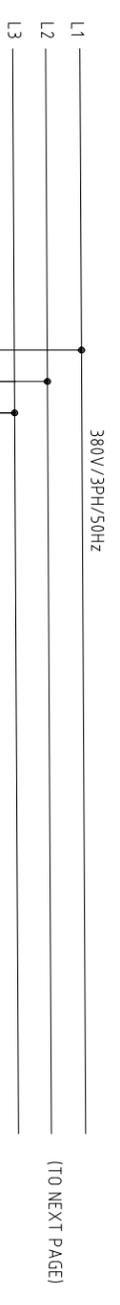
(TO NEXT PAGE)

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6565, Fax: 514-983-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001		
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
VERIFY:				SCALE: NO	C22006			
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DWGS: mm	000 - 06 - DG - 002	DWGS: mm	000 - 06 - DG - 002	
BY				DESCRIPTION	AREA	DISC	TYPE	SEQ.
DESIGN:	LAMKHOUKH	2020-05-03						
DRAWN:	LAMKHOUKH	2020-06-11						
VERIFY:								
APPROVED:	F. BARIL	2020-07-27						
BY								
DESCRIPTION								
REFERENCE DRAWINGS								
REV	0	2020-07-29	ISSUED FOR BIDDING					
DATE								
DWG. NO.								



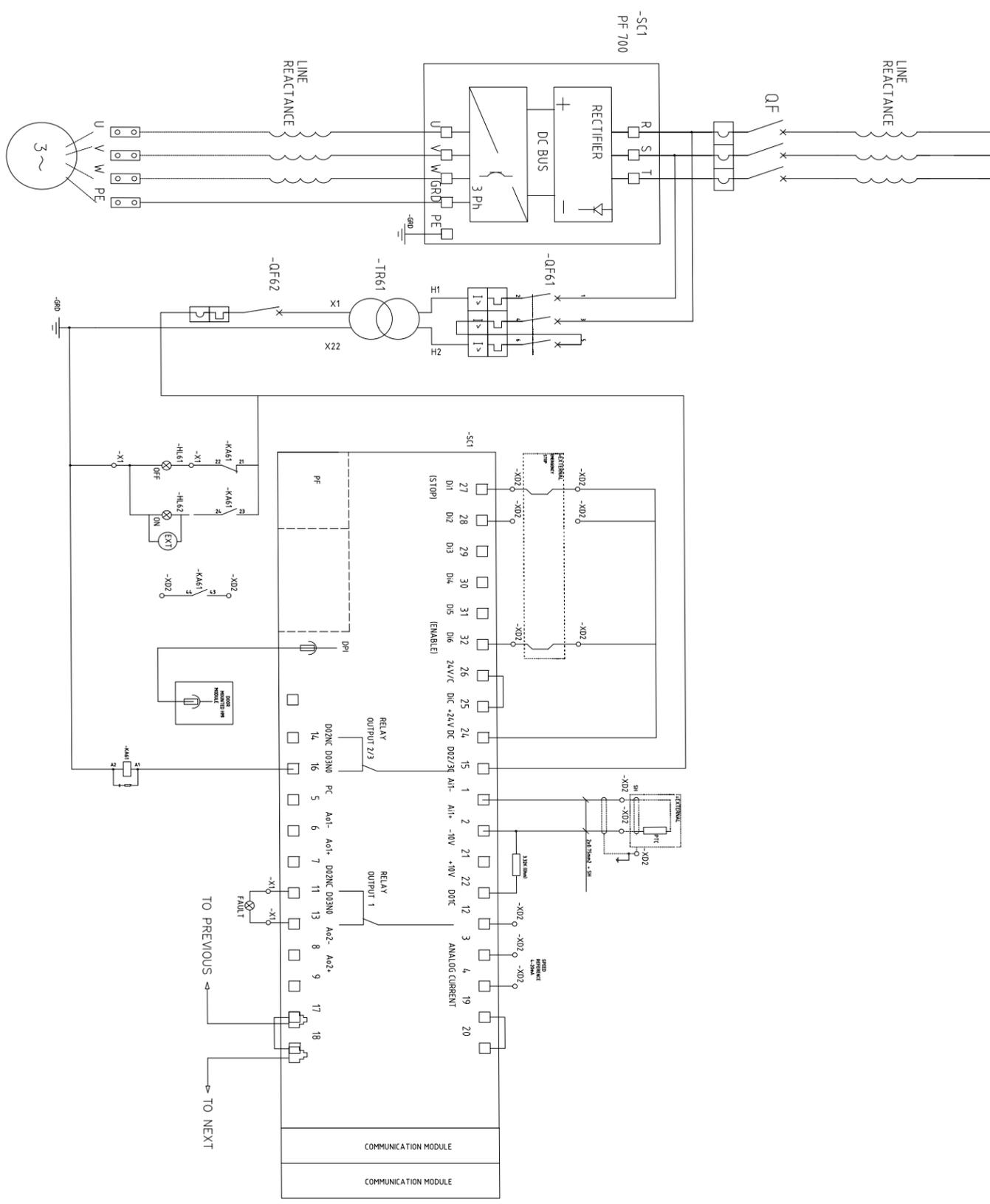
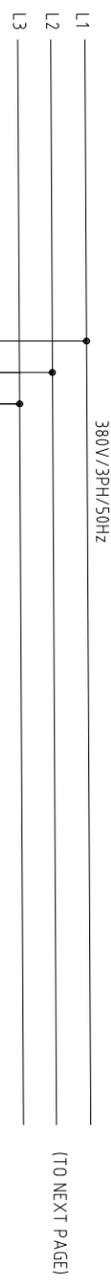
(TO NEXT PAGE)

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6565, Fax: 514-983-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC001
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006
VERIFY:						DWTS: mm	000
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		FORMAT: A1	002	
BY						TYPE: DISC	002
REFERENCE DRAWINGS					PAGE: 10/23	0	
REV	DATE	ISSUED FOR BIDDING			REV.		
DWG. NO.							



(TO NEXT PAGE)

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard Jacques O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-983-6565, fax. 514-983-6308, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC001
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006
VERIFY:						DWTS: mm	000
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		FORMAT: A1	002	
DESIGN:					TYPE: DISC	002	PAGE: 12/23
BY:					SEQ:	0	REV:
REFERENCE DRAWINGS							
REV	DATE	ISSUED FOR BIDDING					
0	2020-07-29						
DWG. NO.							



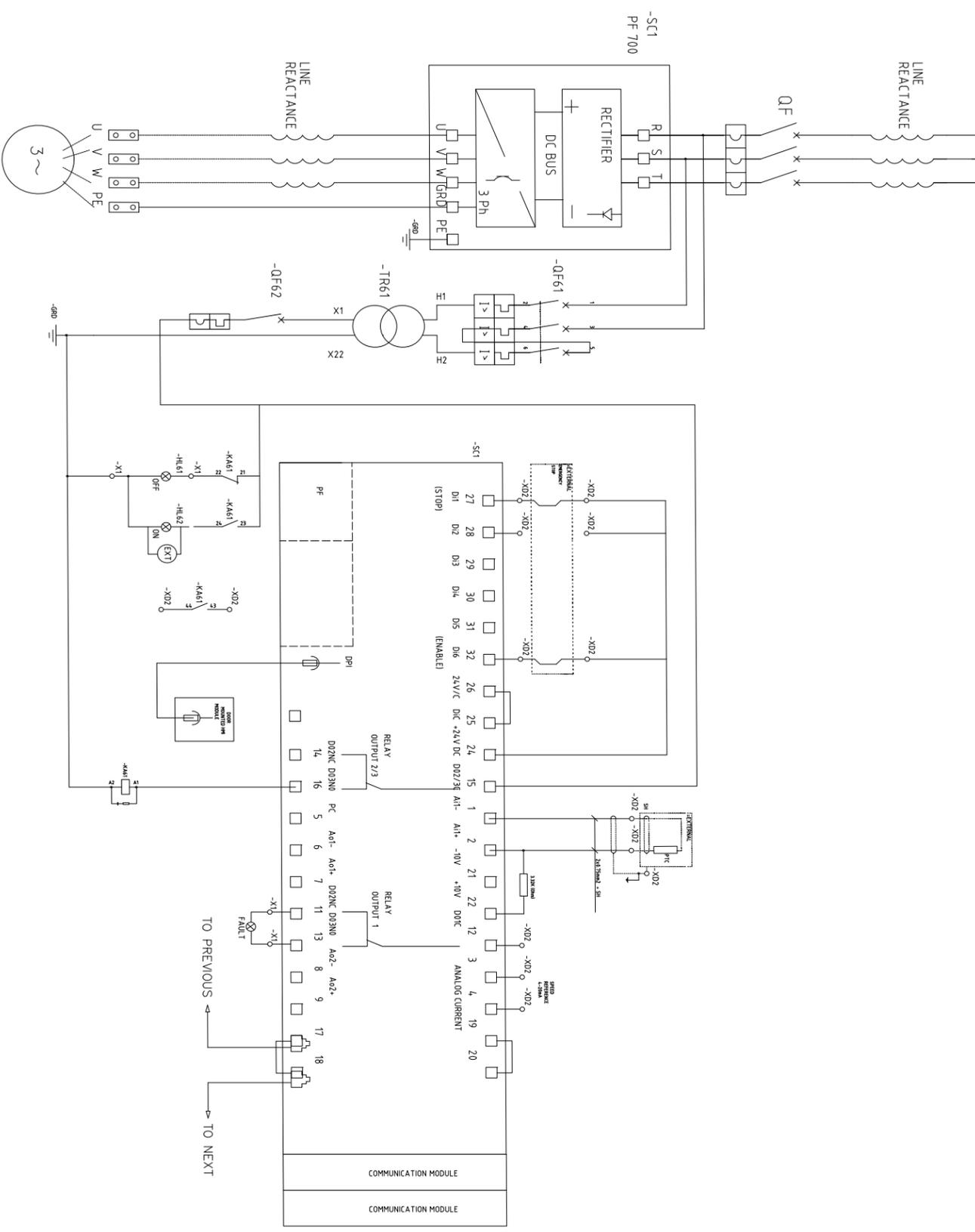
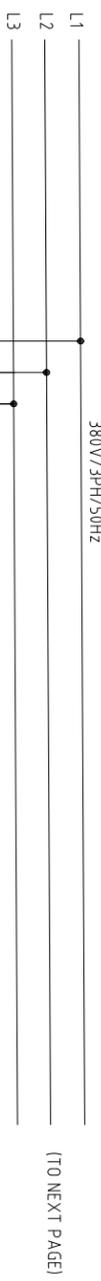
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN: LAMKHOUKH	DRAWN: LAMKHOUKH	VERIFY: LAMKHOUKH	APPROVED: F. BARIL	DATE	DESCRIPTION
0	2020-07-29	0	2020-07-29	ISSUED FOR BIDDING			2020-05-03	2020-06-11	2020-07-27			
<p>BUMIGEME Mining, Geology and Metallurgy 635, Boulevard Jacques O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-983-6555, fax. 514-983-6308, www.bumigeme.com</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.</p>												
<p>CLIENT: RMG COPPER JSC</p> <p>PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA</p>												
<p>DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001</p> <p>SCALE: NO DWGS: mm DRAWING NO.: 000 - 06 - DG 002 AREA DISC TYPE SEQ. REV.</p>												

(TO NEXT PAGE)

TO PREVIOUS

TO NEXT

COMMUNICATION MODULE

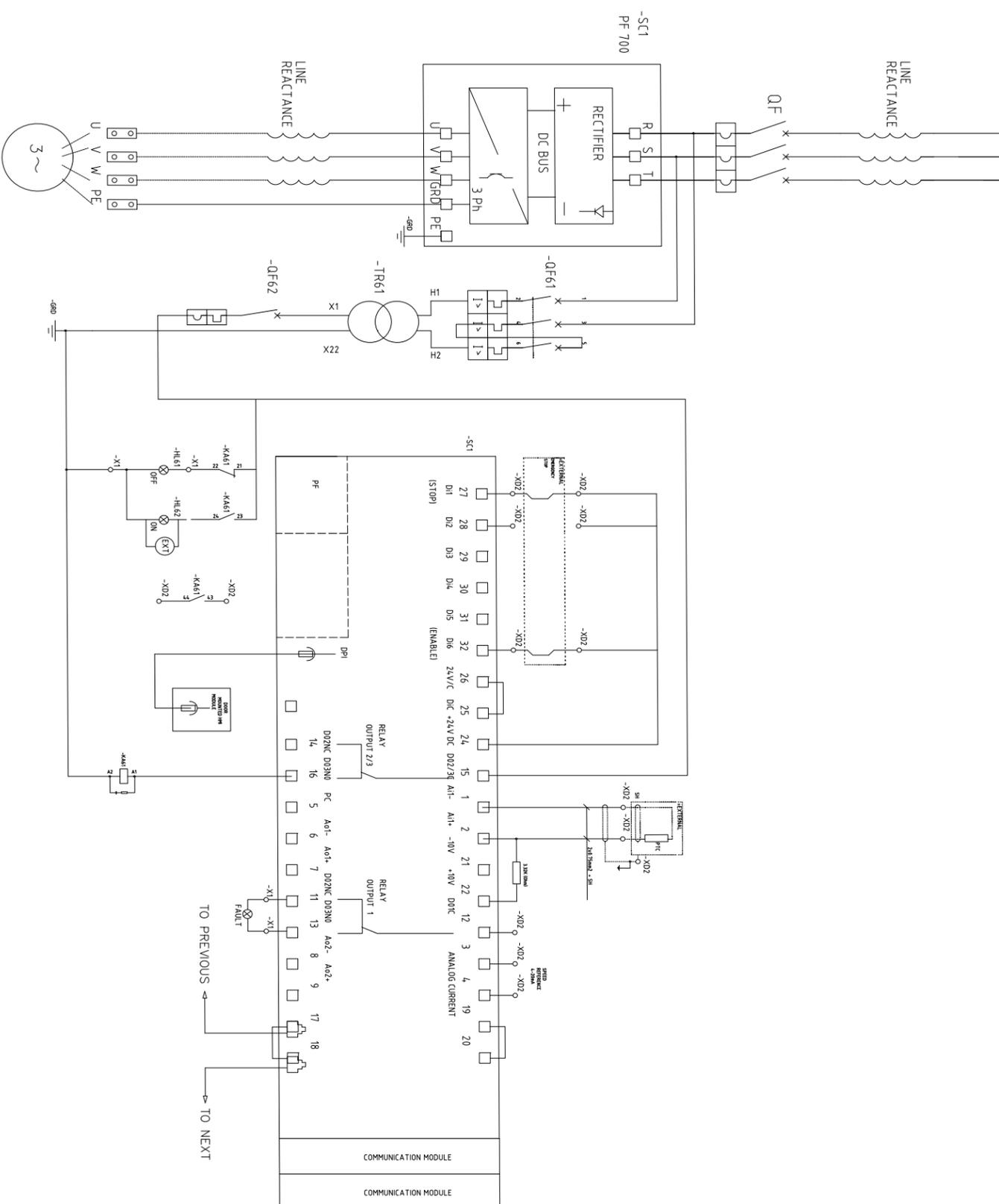
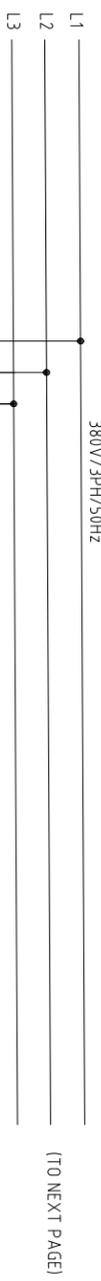


DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-983-6565, fax. 514-983-6308, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC001		
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:					
VERIFY:				SCALE: NO					
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	PROJECT:	SCALE: NO	DWGS: mm	FORMAT: A1	PAGE: 14/23	
DESIGN:	LAMKHOUKH	2020-05-03		PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0
VERIFY:				PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0
APPROVED:	F. BARIL	2020-07-27	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
DESIGN:	LAMKHOUKH	2020-05-03	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
DRAWN:	LAMKHOUKH	2020-06-11	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
VERIFY:			PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
APPROVED:	F. BARIL	2020-07-27	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
DESIGN:	LAMKHOUKH	2020-05-03	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
DRAWN:	LAMKHOUKH	2020-06-11	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
VERIFY:			PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
APPROVED:	F. BARIL	2020-07-27	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
DESIGN:	LAMKHOUKH	2020-05-03	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
DRAWN:	LAMKHOUKH	2020-06-11	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
VERIFY:			PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
APPROVED:	F. BARIL	2020-07-27	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
DESIGN:	LAMKHOUKH	2020-05-03	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
DRAWN:	LAMKHOUKH	2020-06-11	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
VERIFY:			PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	
APPROVED:	F. BARIL	2020-07-27	PROJECT:	C22006	DRAWING NO.:	000 - 06 - DG	002	0	

(TO NEXT PAGE)

TO PREVIOUS

TO NEXT



(TO NEXT PAGE)

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-843-6565, fax. 514-843-6308, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
VERIFY:				SCALE: NO	C22006		
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DWGS: mm	000 - 06 - DG - 002	DWG. NO.	0
BY				DESCRIPTION	000 - 06 - DG - 002	0	
DATE			REFERENCE DRAWINGS			REV	
DATE							

380V/3PH/50HZ

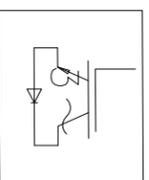
L1 _____

L2 _____

L3 _____

N _____

(TO NEXT PAGE)



ACTIVE FILTER

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 17/23	
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	2020-06-11				PROJECT:	DRAWING NO.:			
						VERIFY:					AREA	DISC.			
						APPROVED:	2020-07-27				TYPE	SEQ.			
						F. BARIL		REV.							

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

380V/3PH/50HZ

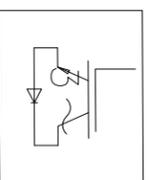
L1 _____

L2 _____

L3 _____

N _____

(TO NEXT PAGE)



ACTIVE FILTER

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 18/23					
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	2020-06-11				PROJECT:	C22006	DRAWING NO.:	AREA	DISC.	TYPE	SEQ.	REV.	
						VERIFY:													
						APPROVED:	2020-07-27												

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

380V/3PH/50HZ

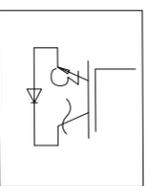
L1 _____

L2 _____

L3 _____

N _____

(TO NEXT PAGE)

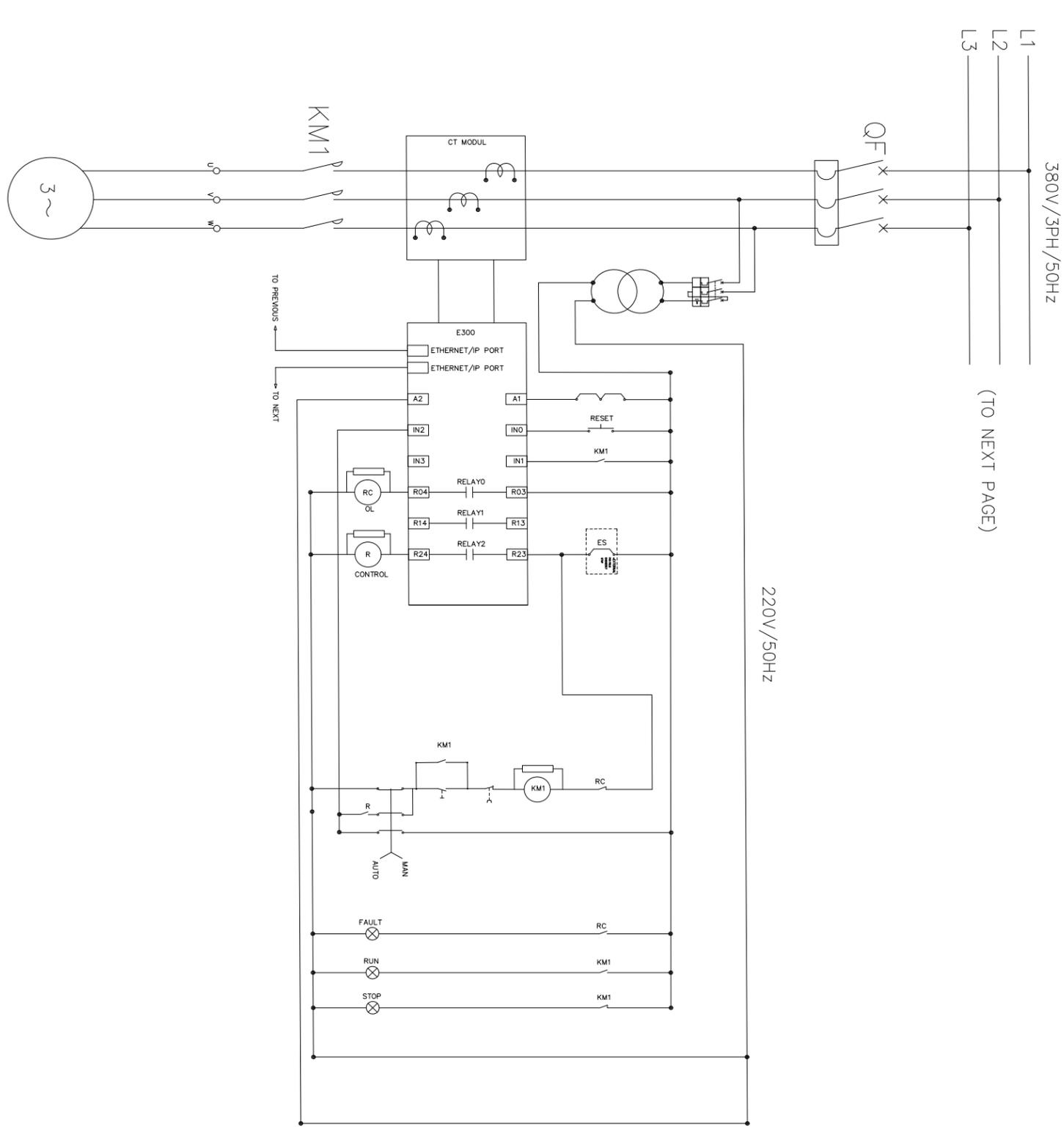


ACTIVE FILTER

DESIGN: LAMKHOUKH		2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	
DRAWN: LAMKHOUKH		2020-06-11	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	
VERIFY:				
APPROVED: F. BARIL		2020-07-27	CLIENT: RMG COPPER JSC PROJECT: RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
DESCRIPTION:		MOTOR CONTROL CENTER BE001-WC001		
SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 19/23	
PROJECT: C22006	DRAWING NO.: 000	AREA: 06	DISC: DG	SEQ: 002
DWG. NO.	REV	DATE	DESCRIPTION	BY
	0	2020-07-29	ISSUED FOR BIDDING	
			REFERENCE DRAWINGS	

DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED: F. BARIL	DATE	2020-07-27	DESIGN: LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001	
REFERENCE DRAWINGS							VERIFY: LAMKHOUKH	2020-06-11	DESIGN: LAMKHOUKH	2020-05-03	PROJECT:		RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
											SCALE: NO		C22006	UNITS: mm		000

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

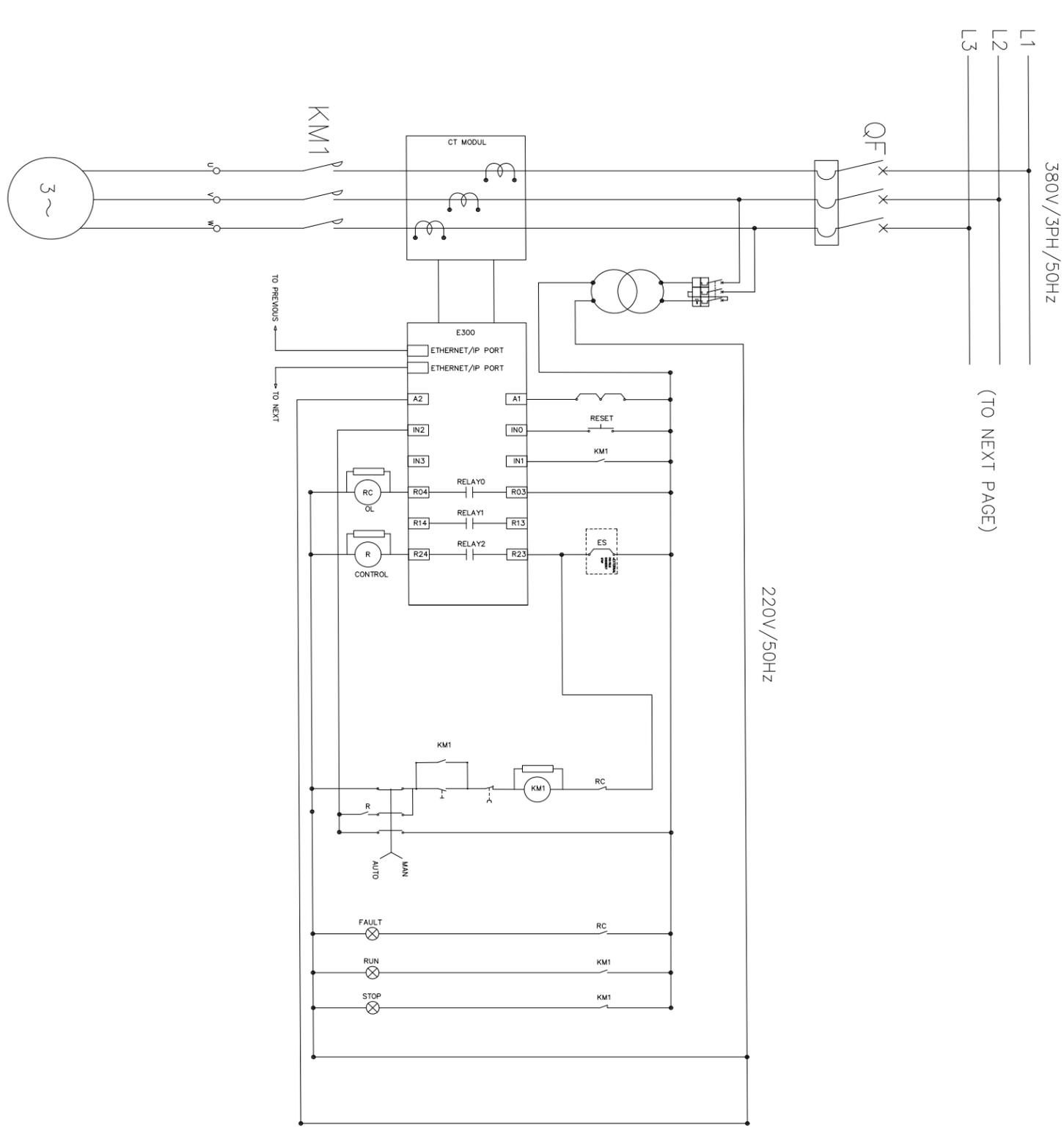


L1
L2
L3
380V/3PH/50Hz
(TO NEXT PAGE)

220V/50Hz

TO PREVIOUS
TO NEXT

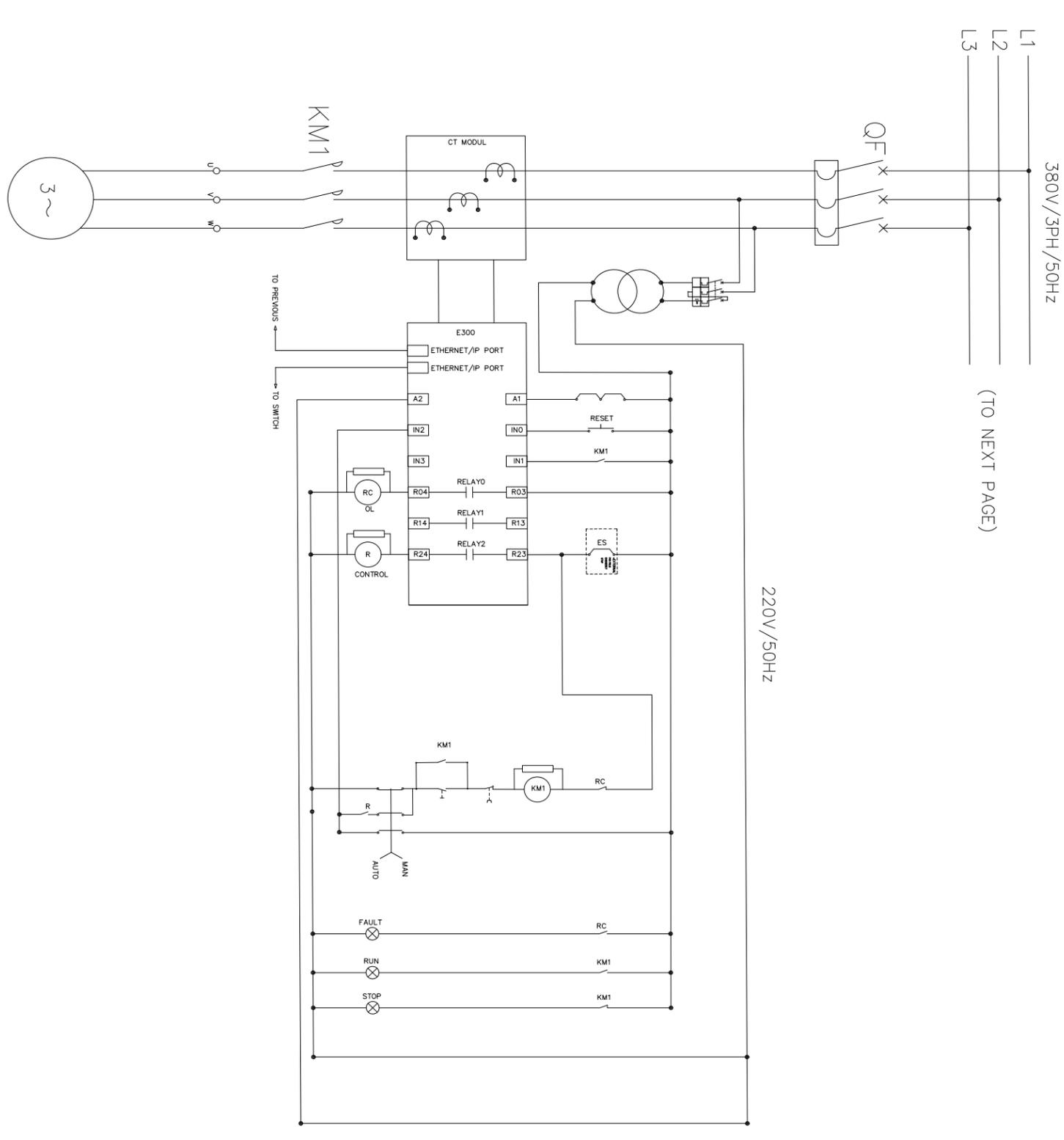
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001		
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
VERIFY:				SCALE: NO	C22006		DRAWING NO.:	000 - 06 - DG - 002
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	BY		UNITS: mm	FORMAT: A1	PAGE: 21/23
DATE	ISSUED FOR BIDDING	DESCRIPTION		AREA	000	DWG. NO.	0	TYPE
REV	0	2020-07-29	REFERENCE DRAWINGS			DISC.		SEQ.



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	DATE	CLIENT:	DESCRIPTION:	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 22/23
		0	2020-07-29				F. BARIL	LAMKHOUKH	2020-05-03	RMG COPPER JSC	MOTOR CONTROL CENTER BE001-WC001	C22006	000	DG	002
								LAMKHOUKH	2020-06-11	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA					

BUMIGEME
 Mining, Geology and Metallurgy
 615, René-Lévesque O, Room 750
 Montréal, Québec, H3B 1P5, Canada
 Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
 PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS
 A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME
 IS PROHIBITED.



L1
 L2
 L3
 380V/3PH/50Hz
 (TO NEXT PAGE)

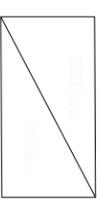
220V/50Hz

TO PREVIOUS
 TO SWITCH

L1
 L2
 L3

380V/3PH/50HZ

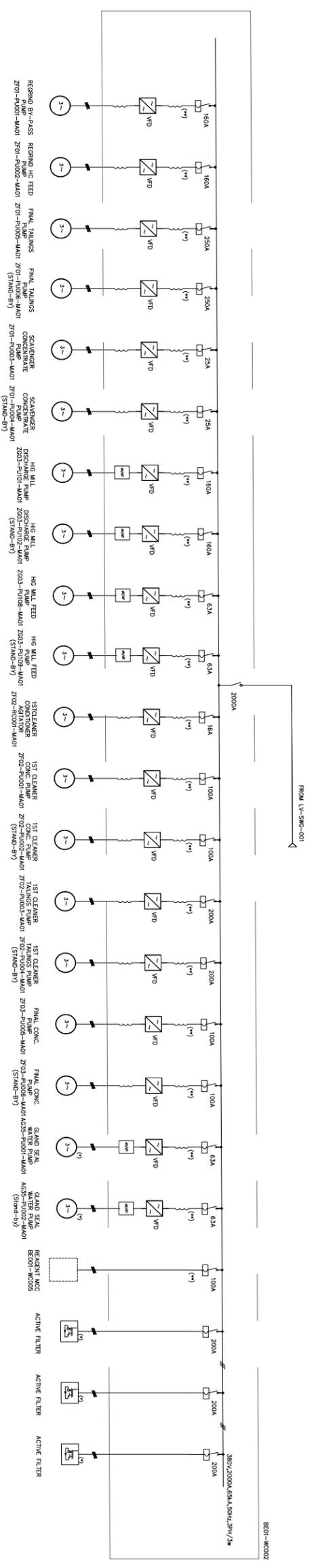
230V/50HZ



ETHERNET/IP
 SWITCH

DESIGN: L.AMKHOUKH		2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	
DRAWN: L.AMKHOUKH		2020-06-11	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
VERIFY:			DESCRIPTION: MOTOR CONTROL CENTER BE001-WC001	
APPROVED: F. BARIL		2020-07-27	SCALE: NO	UNITS: mm
BY			PROJECT: C22006	DRAWING NO.: 000 - 06 - DG 002
REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	FORMAT: A1
	0	2020-07-29	DESCRIPTION	PAGE: 23/23
DWG. NO.				REV: 0

	CIRCUIT BREAKER
	DISCONNECT SWITCH
	MAGNETIC PROTECTION
	THERMAL PROTECTION
	CONTACTOR
	VARIABLE FREQUENCY DRIVE
	ACTIVE FILTER
	LINE REACTANCE
	INTERRUPTIBLE POWER SOURCE (UPS)
	dv/dt FILTER

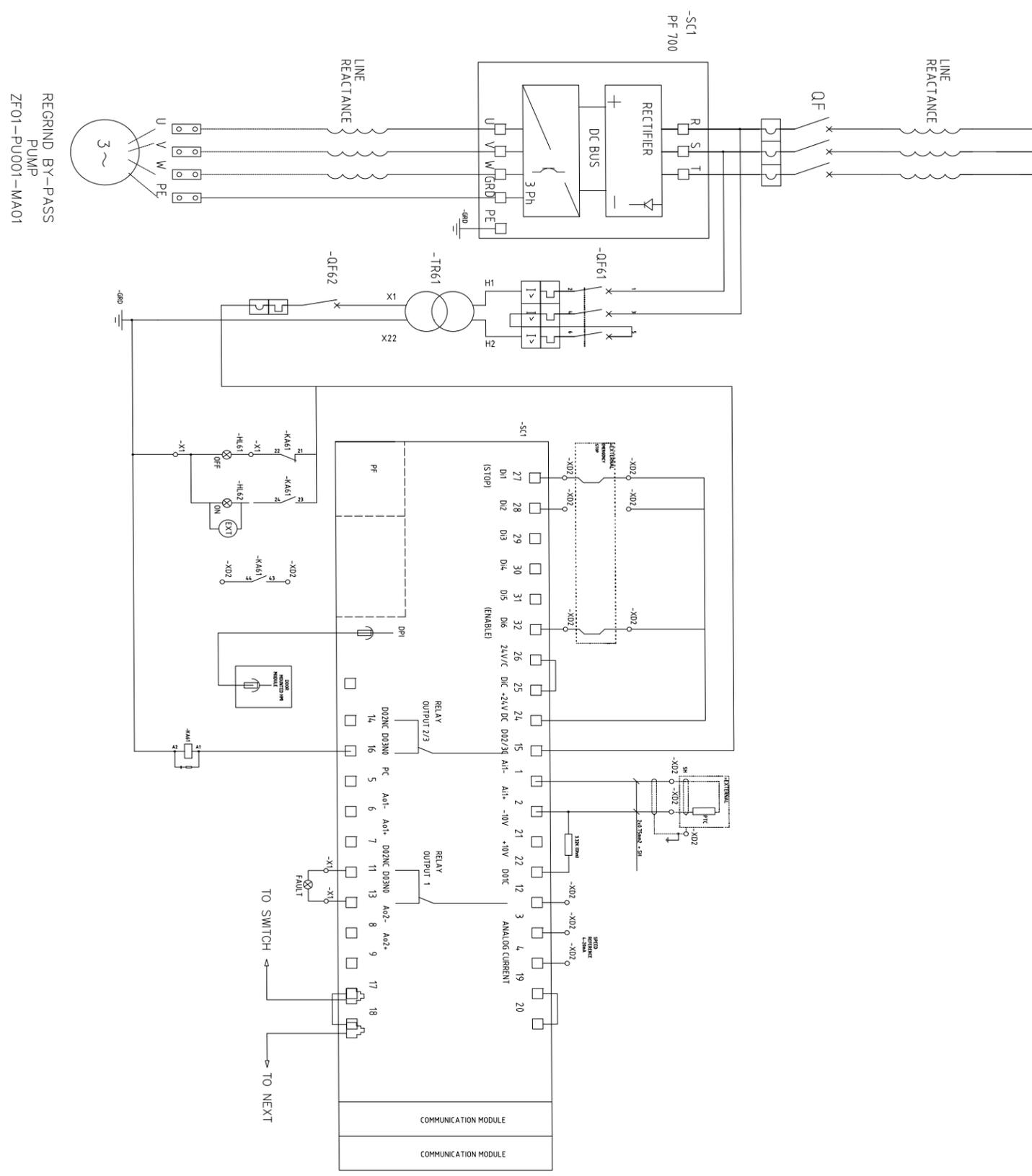
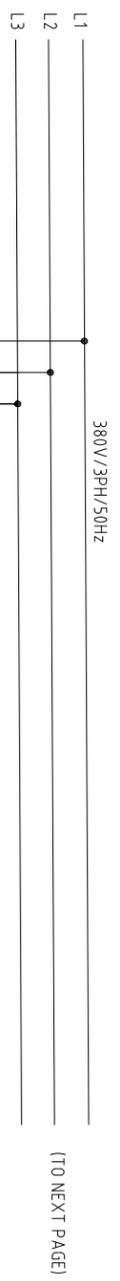


POWER (kW)	55	55	90	90	7.5	7.5	55	55	15	15	4	37	37	75	75	37	37	15	15	380	380
RATED VOLTAGE (V)	400	400	400	400	400	400	400	400	400	400	380	400	400	400	400	400	400	380	380	380	380
FREQUENCY (Hz)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
PHASE NUMBER	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
RATED CURRENT (A)	102	102	164	164	15.5	15.5	102	102	28.5	28.5	8.4	70.3	70.3	136.73	136.73	70.3	70.3	70.3	70.3	3	
POWER FACTOR	0.82	0.82	0.84	0.84	0.78	0.78	0.83	0.83	0.82	0.82	0.79	0.81	0.81	0.83	0.83	0.81	0.81	0.81	0.81	0.81	
CONSTANT FACT	10.1	10.1	7.2	7.2	7.4	7.4	10.1	10.1	6.2	6.2	1.75	9.34	9.34	8.6	8.6	9.3	9.3	9.3	9.3	9.3	
MOTOR SPEED (RPM)	1479	1479	904	904	1465	1465	1479	1479	1477	1477	1475	1479	1479	1481	1481	1479	1479	1479	1479	1479	
POLES NUMBER											3 PFC (THIRMS)										
MOTOR EFFICIENCY	0.84	0.84	0.95	0.95	0.80	0.80	0.84	0.84	0.92	0.92	0.89	0.94	0.94	0.95	0.95	0.94	0.94	0.94	0.94	0.94	
REMARK																					

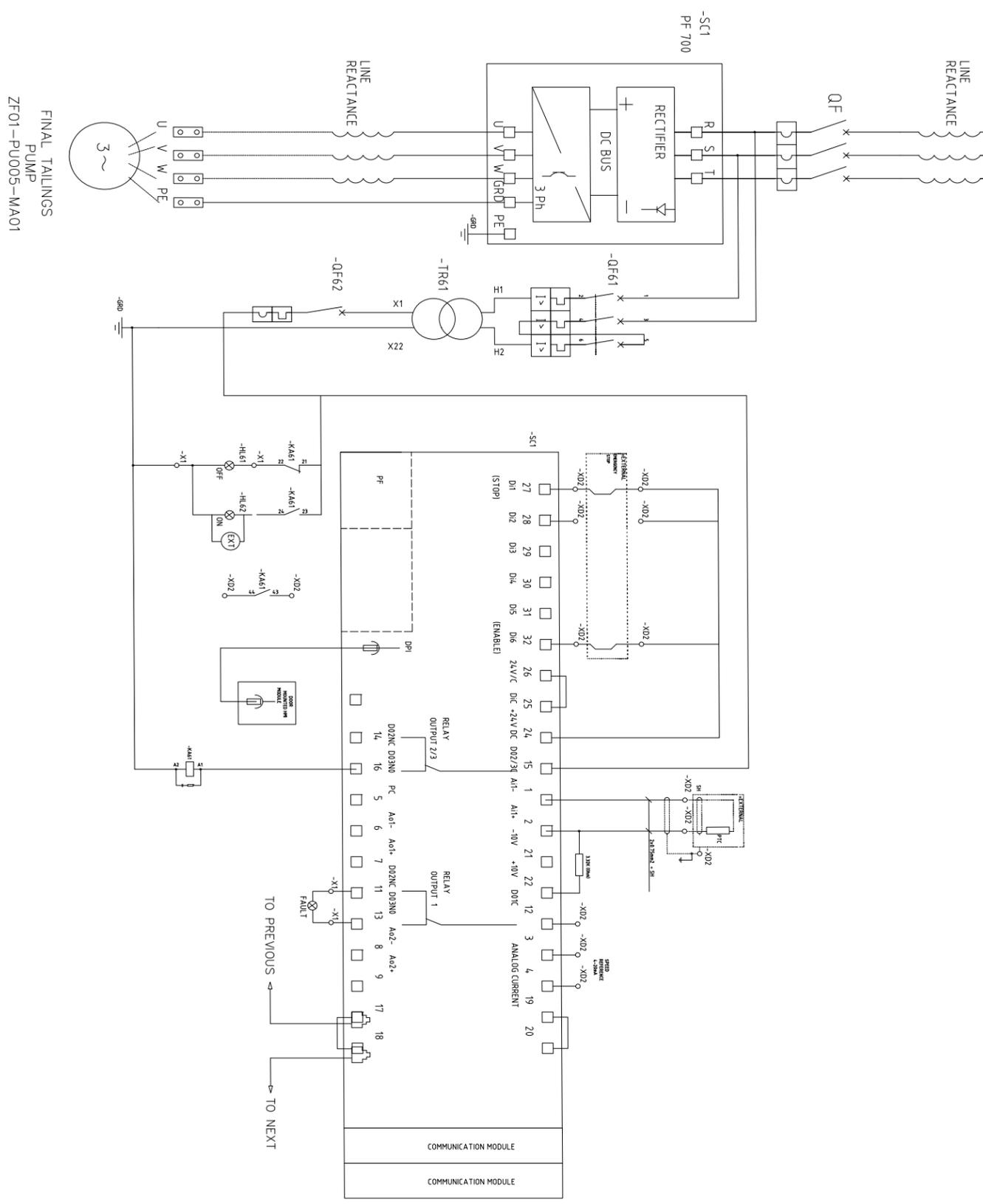
C) DATA TO BE COVERED LATER
 (*) No symbols not covered with the same

SAVED ON 20-08-01 12:26 BY Lin
 PATH: Z:\INGENIERIE\PROJETS EN COURS\C22006_RMGCOPPER_Madneuili Plant Upgrading\DESS\06-ELEC\MCC's\FINAL\C22006-005-06-DG-002 & 003-REV0 (WC001 & WC002).dwg

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél: 514-843-6585; Fax: 514-843-6508; www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEUIL EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
VERIFIED:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	APPROVED:	F. BARIL	2020-07-27
BY				SCALE: NO	UNITS: mm	FORMAT: A1
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY
		0	2020-07-29			

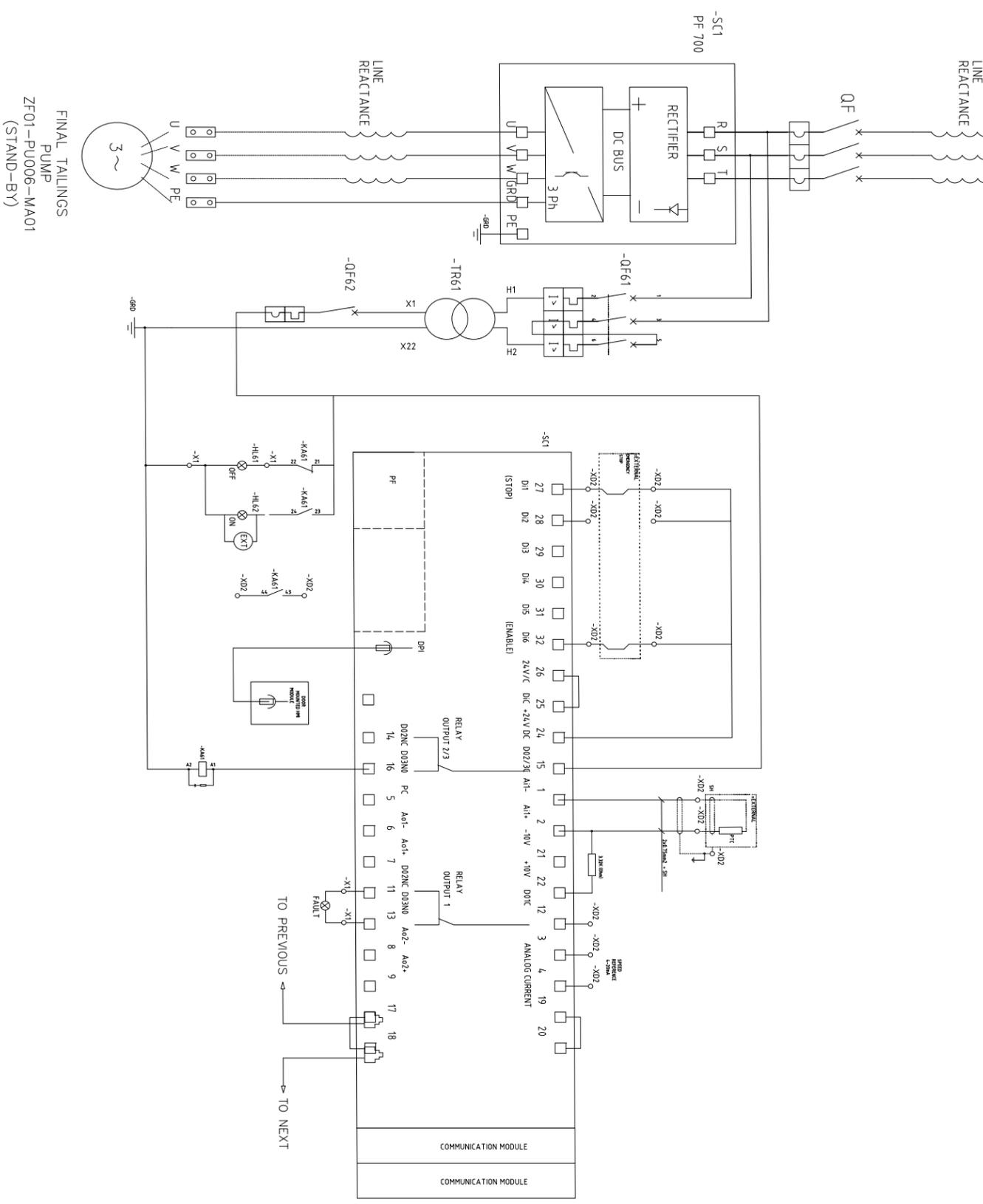
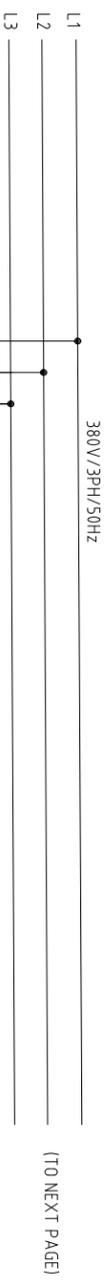


L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)



FINAL TAILINGS
 PUMP
 ZF01-PU005-MA01

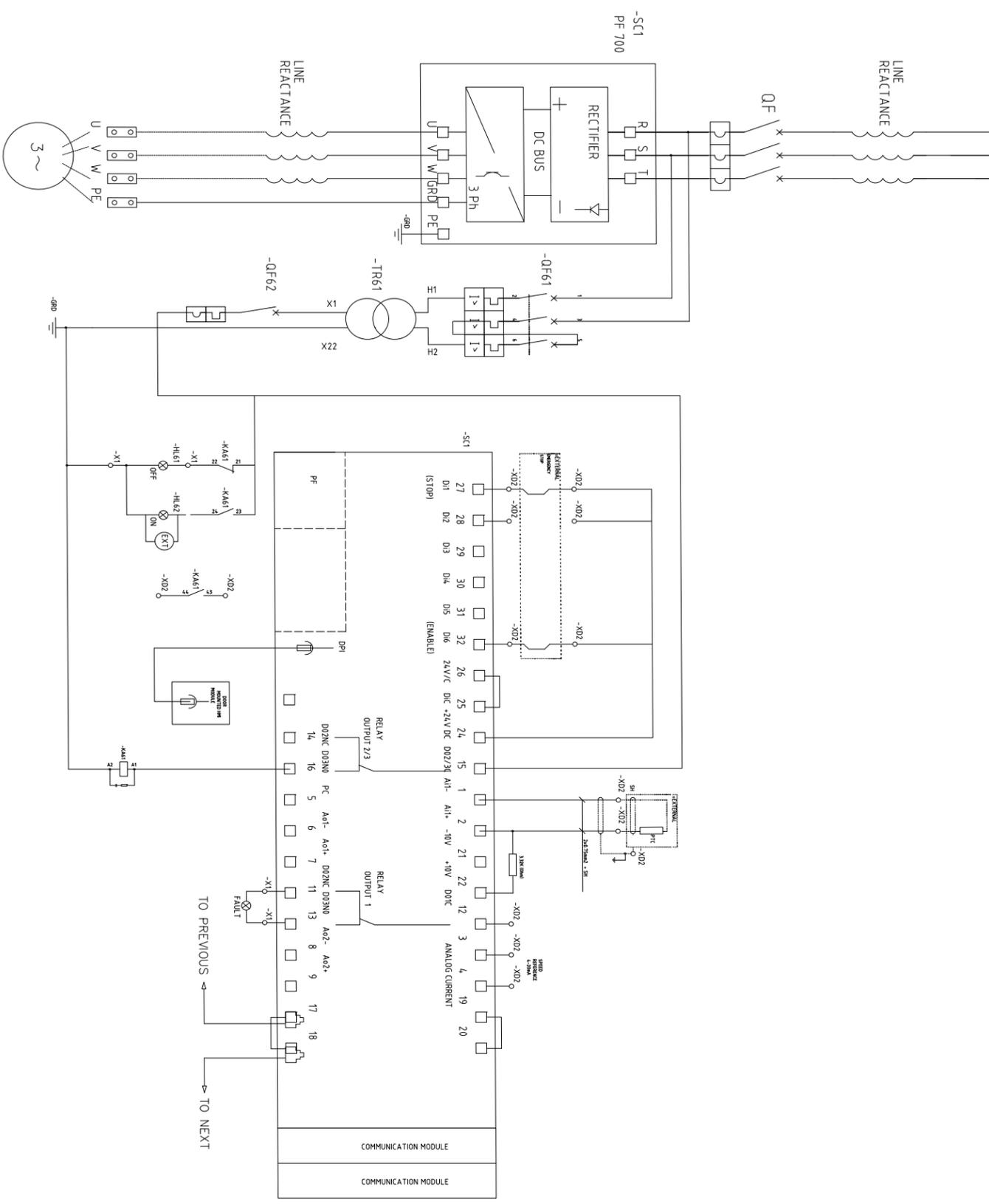
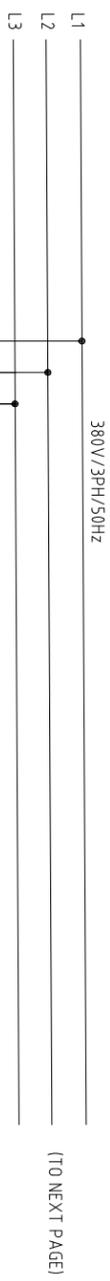
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Science, O. Ronin 350 Montreal, Quebec H3B 1P5, Canada Tel: 514-943-6555, Fax: 514-943-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002			
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA				
VERIFY:				SCALE: NO	C22006				
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DWG. NO.	REFERENCE DRAWINGS	UNITS: mm	FORMATE: A1	PAGE: 4/25	
REV	DATE	ISSUED FOR BIDDING		DESCRIPTION	BY	0	2020-07-29	000 - 06 - DG	003
0	2020-07-29	ISSUED FOR BIDDING							0



(TO NEXT PAGE)

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 3750 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6555, Fax: 514-983-6008, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC002		
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		VERIFY:				SCALE: NO	
							APPROVED:	F. BARIL	2020-07-27						UNITS: mm	FORMAT: A1

PROJECT:	SCALE: NO	DWGS: mm	FORMAT: A1	PAGE: 5/25
PROJECT:	C22006	000 - 06 - DG 003		0
PROJECT:		AREA	DISC	TYPE
PROJECT:			SEQ	REV



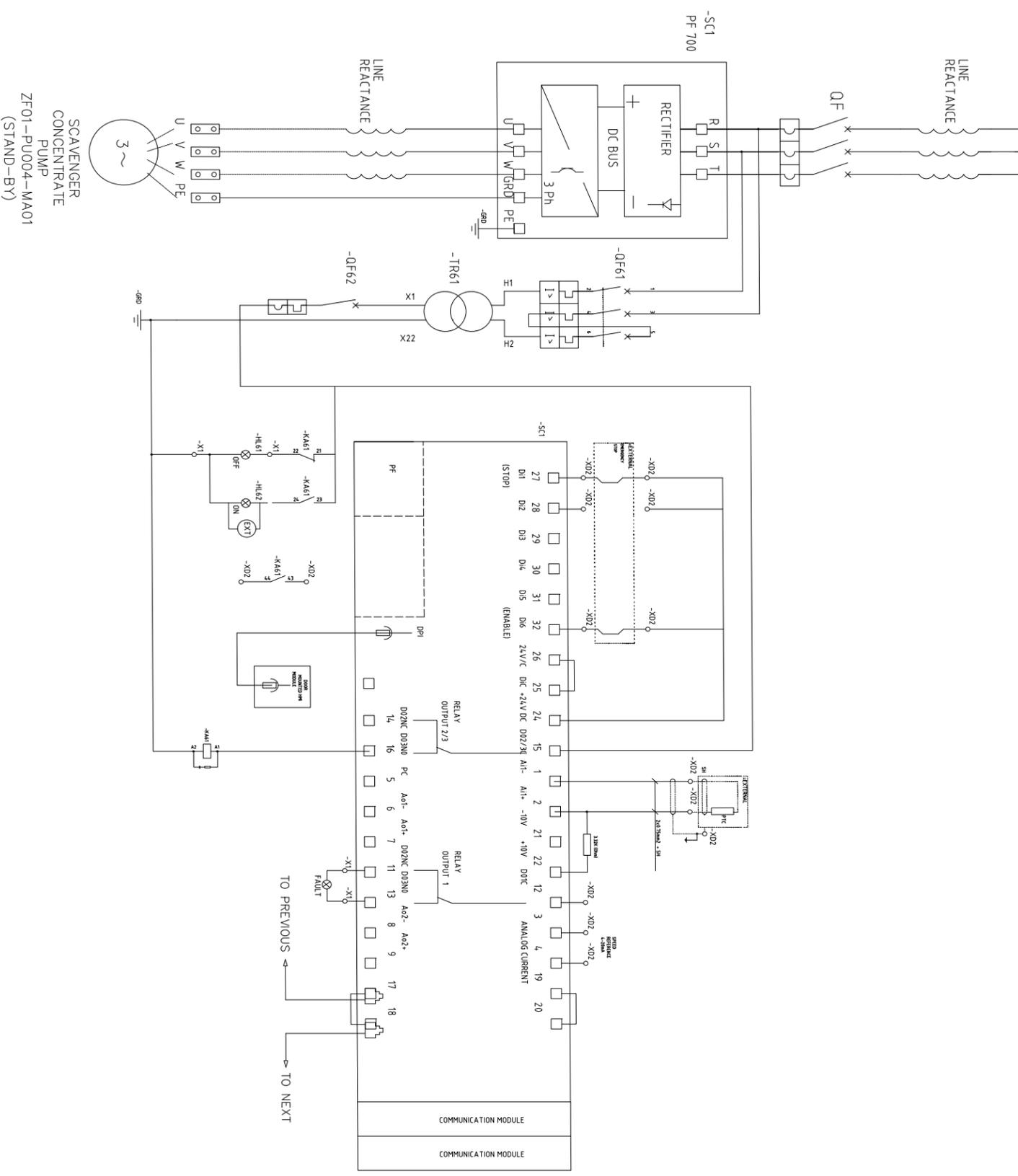
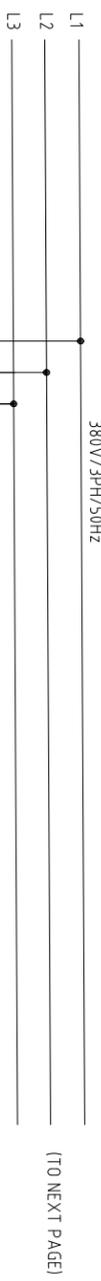
SCAVENGER
 CONCENTRATE
 PUMP
 ZF01-PU003-MA01

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 3750 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6565, Fax: 514-983-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC002
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006
VERIFY:						DWGS: mm	000
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.			AREA	06 - DG
BY						FORMAT: A1	003
REV	0	2020-07-29				SEQ.	0
DATE						REV.	
DESCRIPTION	ISSUED FOR BIDDING						
REFERENCE DRAWINGS							
DWG. NO.							

(TO NEXT PAGE)

TO PREVIOUS

TO NEXT

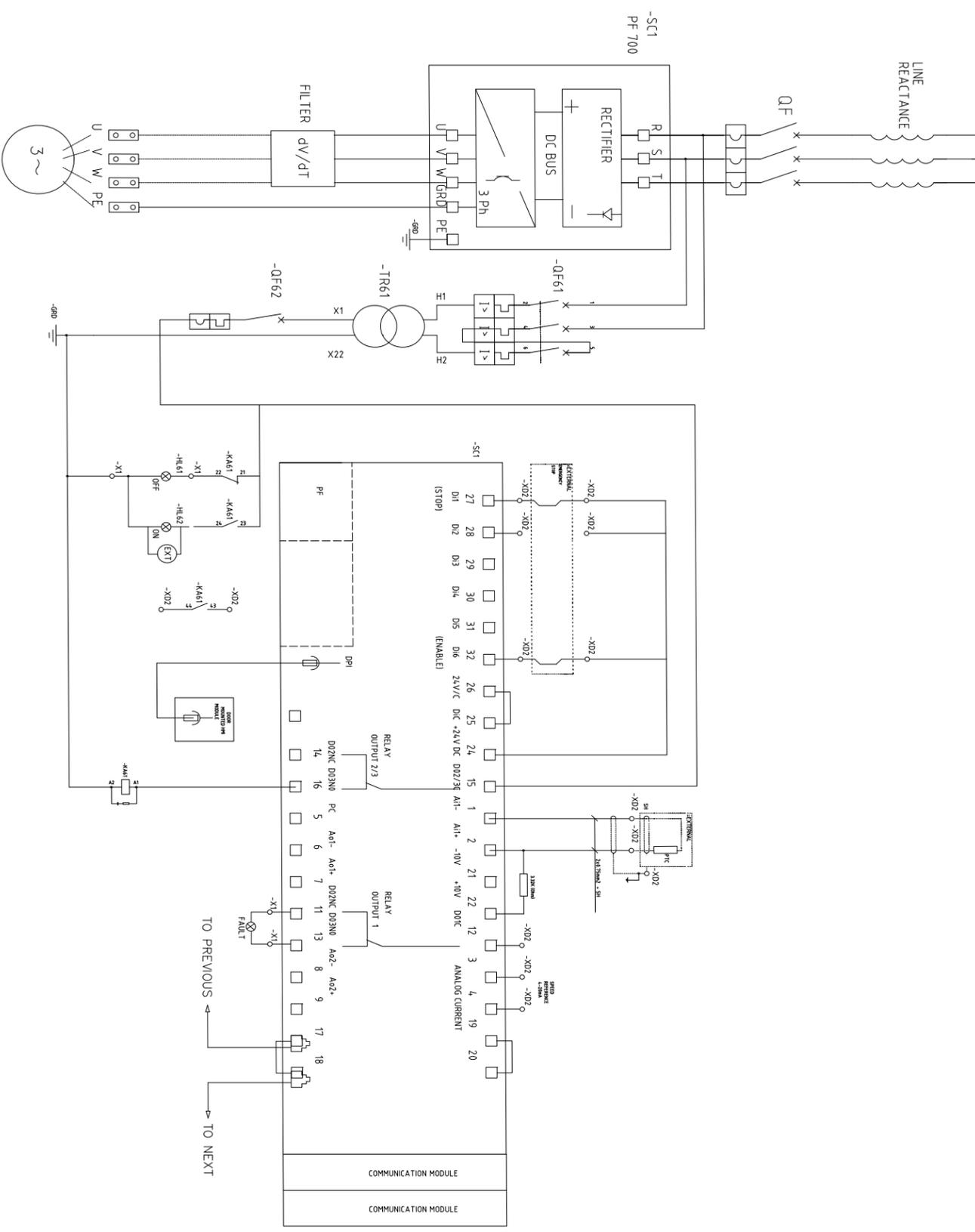
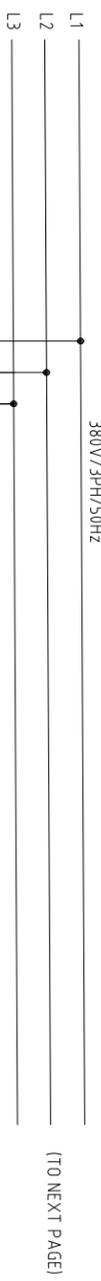


DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	DATE	VERIFY:	DATE	CLIENT:	DESCRIPTION:	SCALE: NO	DWTS: mm	FORMATE:	PAGE:	REV.	
		0	2020-07-29				F. BARIL	LAMKHOUKH	2020-07-27	LAMKHOUKH	2020-06-11	RMG COPPER JSC	MOTOR CONTROL CENTER			A1	7/25	0	
												RMG MADNEULI EXISTING PLANT UPGRADING PROJECT	C22006						
												BOLNISI - GEORGIA	BE001-WC002						

BUMIGEME
 Mining, Geology and Metallurgy
 635, Boulevard de la Seigneurie O. Bozon 750
 Montreuil, Quebec H3B 1P5, Canada
 Tel: 514-983-6565, Fax: 514-983-6508, www.bumigeme.com

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

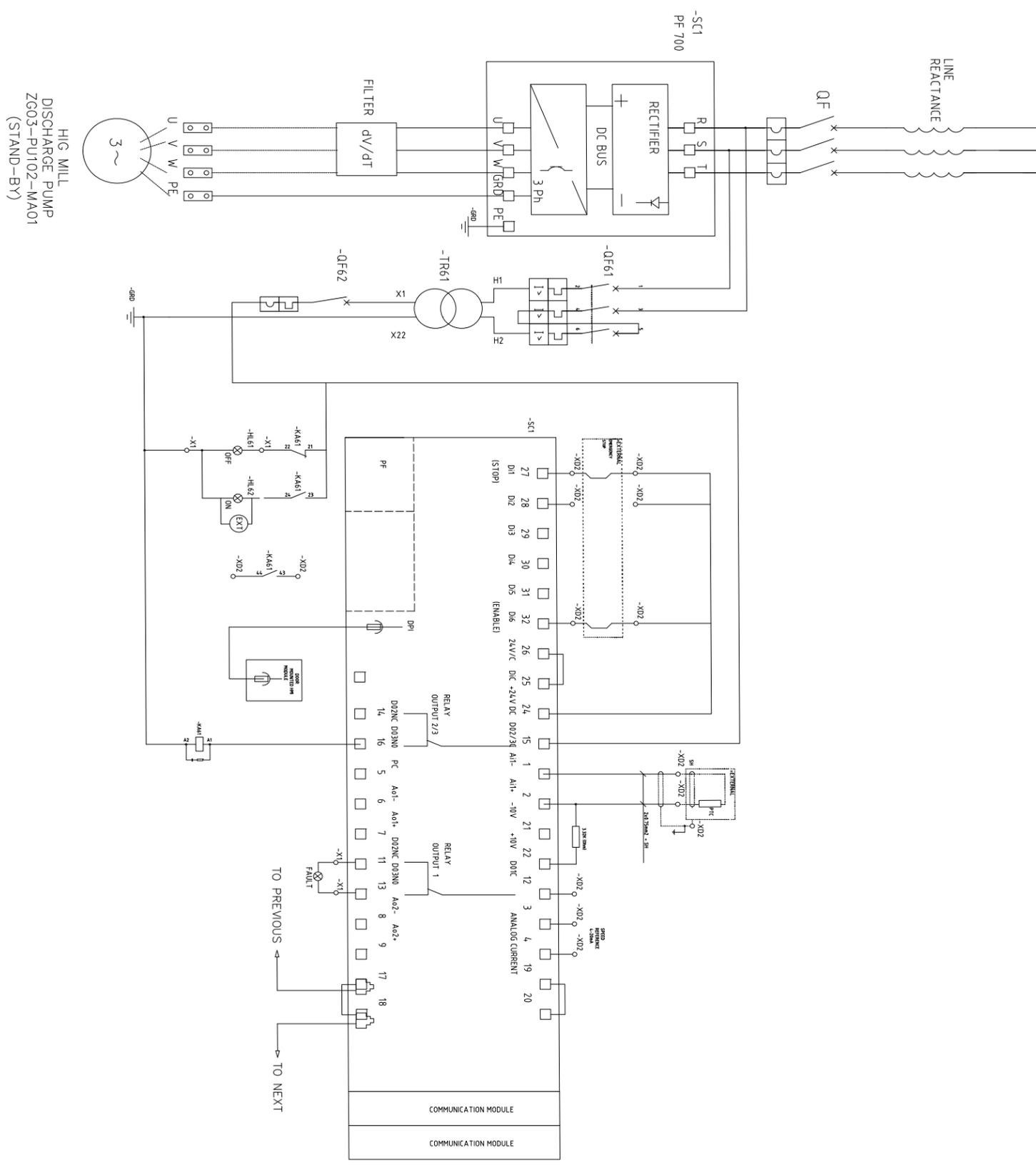
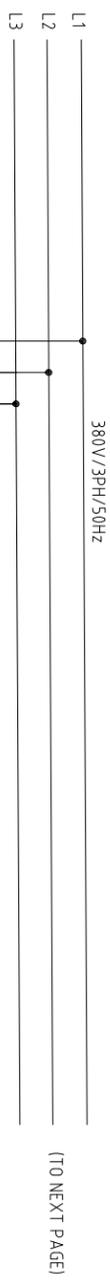
PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT
 CLIENT: RMG COPPER JSC
 DESCRIPTION: MOTOR CONTROL CENTER
 BE001-WC002



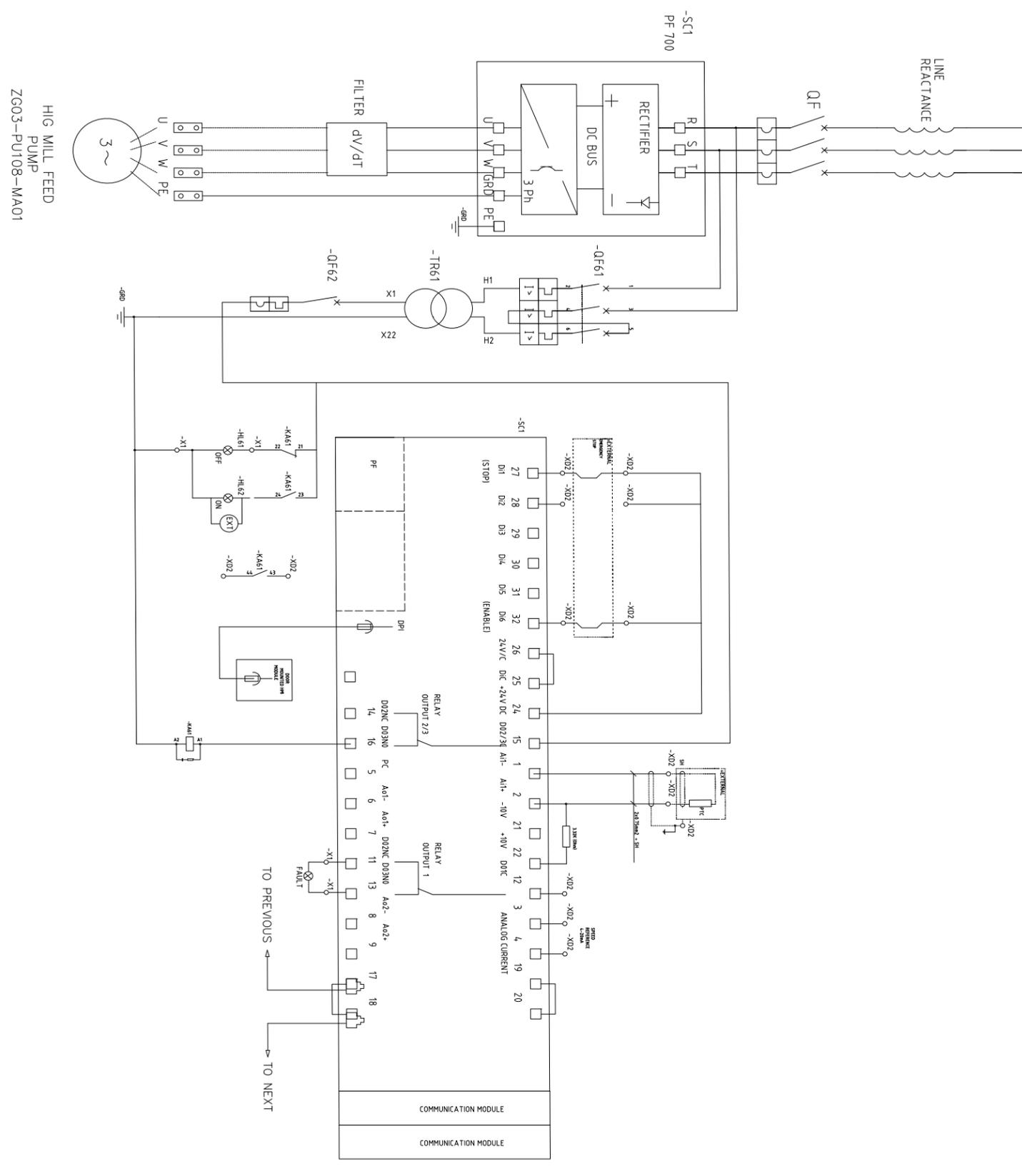
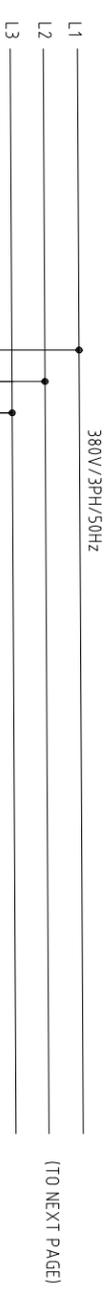
HIG MILL
 DISCHARGE PUMP
 ZG03-PU101-MA01

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-843-6565, fax. 514-843-6308, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC002		
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	DWTS: mm	FORMAT: A1	PAGE: 8/25
							APPROVED:	F. BARIL	2020-07-27				C22006	000	06 - DG	003

PROJECT	C22006	AREA	DISC	TYPE	SEQ	REV

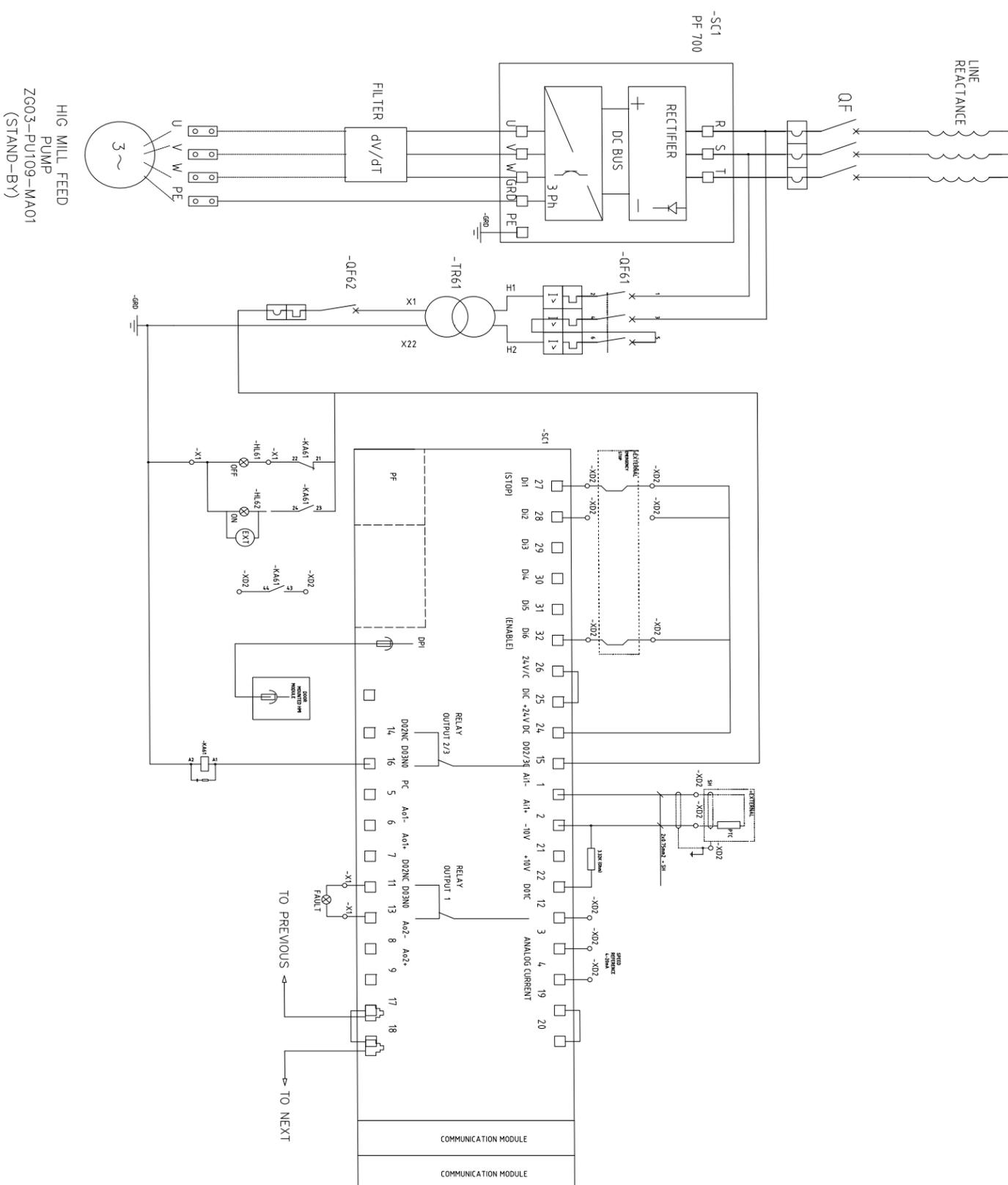


DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN: LAMKHOUKH	DRAWN: LAMKHOUKH	VERIFY: LAMKHOUKH	APPROVED: F. BARIL	DATE	DESCRIPTION
		0	2020-07-29				2020-05-03	2020-06-11	2020-07-27			
<p>BUMIGEME Mining, Geology and Metallurgy 635, Boulevard Jacques O. Bozon 750 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6555, fax: 514-983-6508, www.bumigeme.com</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.</p>												
CLIENT:			PROJECT:			DESCRIPTION:						
RMG COPPER JSC			RMG MADNEULI EXISTING PLANT UPGRADING PROJECT			MOTOR CONTROL CENTER						
BOLNISI - GEORGIA			BE001-WC002			SCALE: NO						
						UNITS: mm						
						DRAWING NO.:						
						000 - 06 - DG 003						
						AREA						
						DISC						
						TYPE						
						A1						
						PAGE: 9/25						
						REV						
						0						



DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard Laurier, O. Room 350 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6565, fax: 514-983-6008, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002					
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA						
VERIFY:				SCALE: NO	C22006 PROJECT						
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DWGS: mm	000 - 06 - DG 003	DRAWING NO.:	000 - 06 - DG 003	FORMATE:	A1	PAGE:	10/25
BY											
REV	0	2020-07-29	ISSUED FOR BIDDING								
DWG. NO.			REFERENCE DRAWINGS								

L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

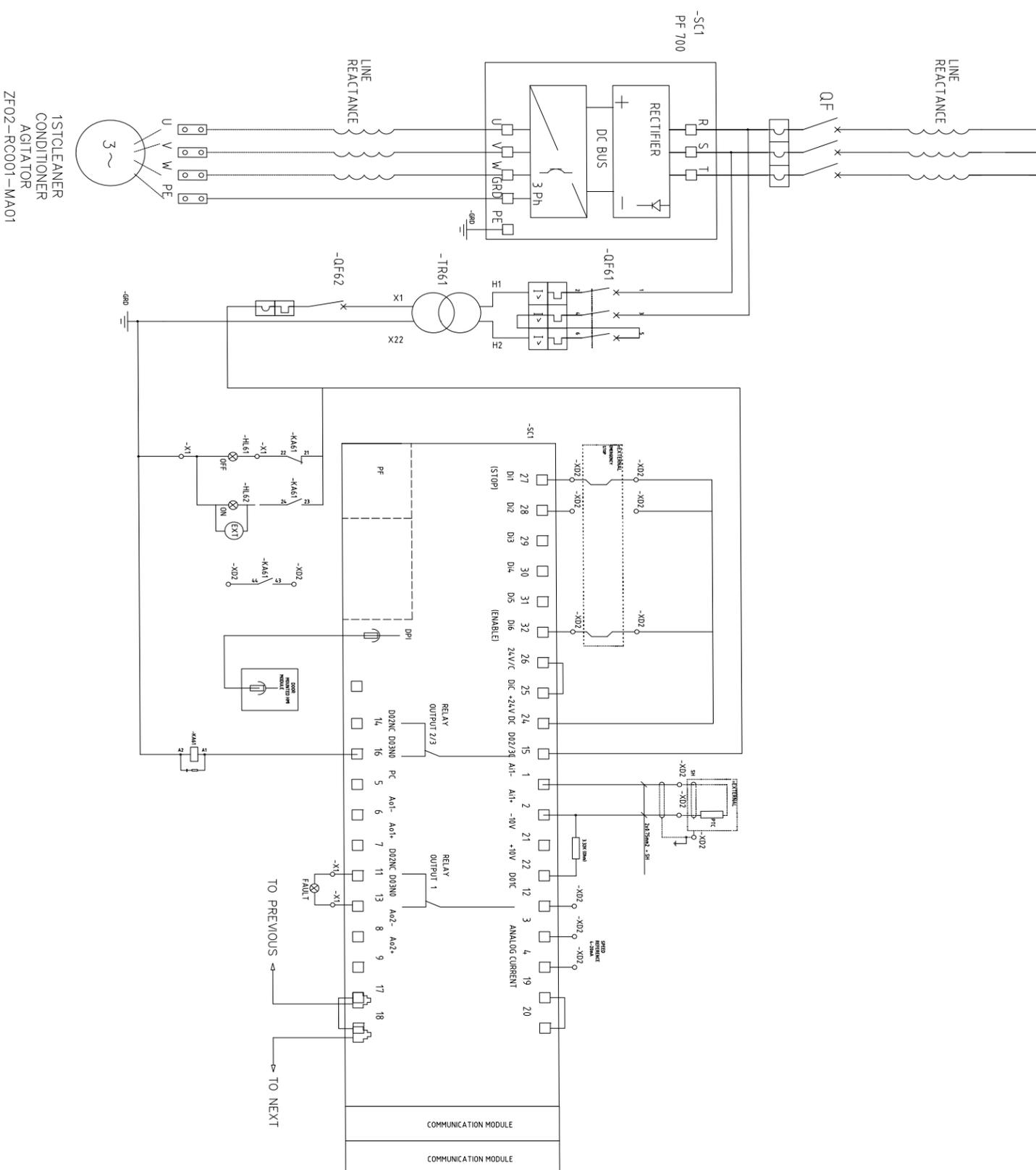
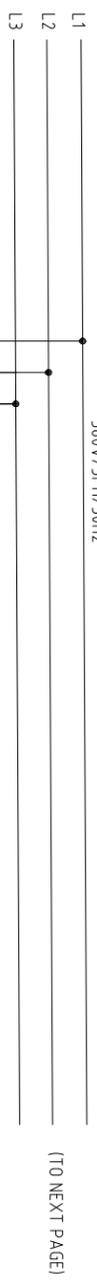


HIG MILL FEED
 PUMP
 ZG03-PU109-MA01
 (STAND-BY)

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN: LAMKHOUKH	DRAWN: LAMKHOUKH	VERIFY: LAMKHOUKH	APPROVED: F. BARIL	DATE: 2020-07-29	DATE: 2020-07-27	DATE: 2020-06-11	DATE: 2020-05-03	CLIENT: RMG COPPER JSC	PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002	SCALE: NO	DWTS: MTH	FORMATE: A1	PAGE: 11/25	C22006	000 - 06 - DG 003	0
----------	--------------------	-----	------	--------------------	-------------	----	-------------------	------------------	-------------------	--------------------	------------------	------------------	------------------	------------------	------------------------	--	---	-----------	-----------	-------------	-------------	--------	-------------------	---

BUMIGEME
 Mining, Geology and Metallurgy
 635, Boulevard de l'Industrie, O. Bozon 350
 Montreal, Quebec H3B 1P5, Canada
 Tel: 514-983-6555, Fax: 514-983-6508, www.bumigeme.com

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.



1STCLEANER
 CONDITIONER
 AGITATOR
 ZF02-RC001-MA01

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	DRAWN:	VERIFY:	DATE	DESCRIPTION
		0	2020-07-29				F. BARIL	LAMKHOUKH	LAMKHOUKH		2020-07-27	

BUMIGEME
 Mining, Geology and Metallurgy
 635, Boulevard de l'Industrie, O. Bozon 750
 Montreal, Quebec H3B 1P5, Canada
 Tel: 514-983-6555, fax: 514-983-6008, www.bumigeme.com

CLIENT:
RMG COPPER JSC

DESCRIPTION:
MOTOR CONTROL CENTER
 BE001-WC002

PROJECT:
**RMG MADNEULI EXISTING
 PLANT UPGRADING PROJECT**
 BOLNISI - GEORGIA

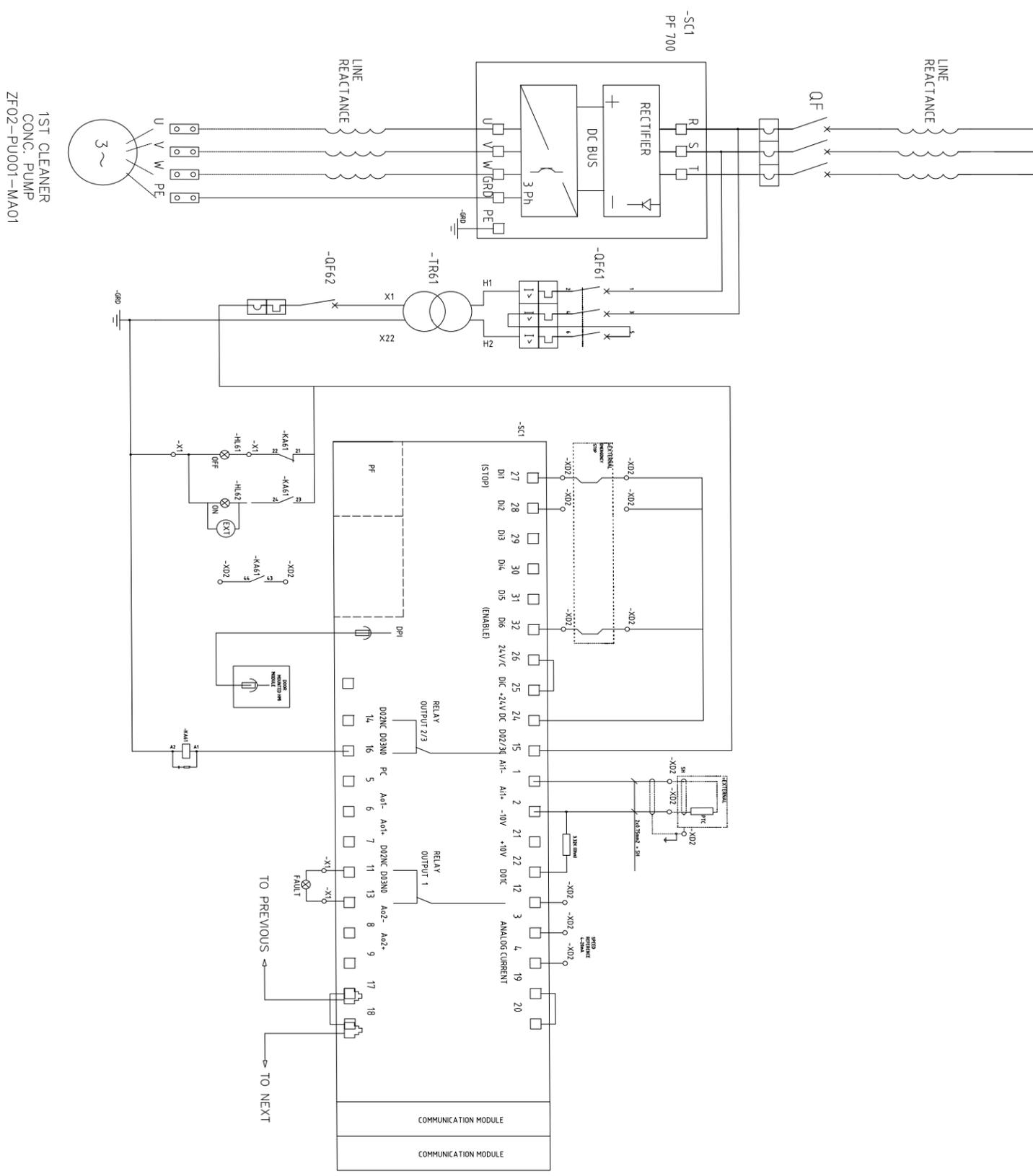
SCALE: NO
 C22006 PROJECT
 DWGS: mm
 000 - 06 - DG 003 AREA DISC TYPE SEQ REV
 FORMAT: A1
 PAGE: 12/25

(TO NEXT PAGE)

TO PREVIOUS

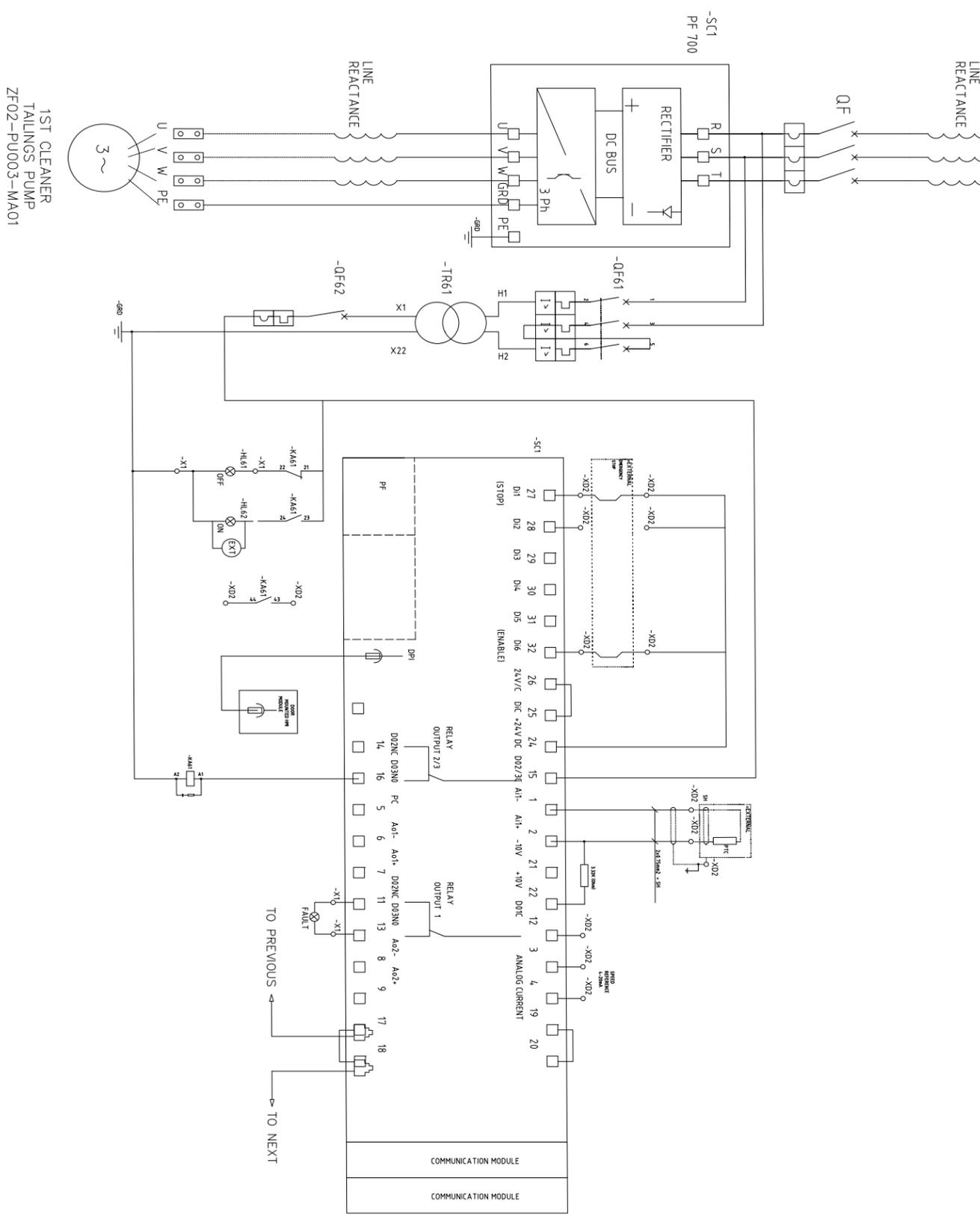
TO NEXT

L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)



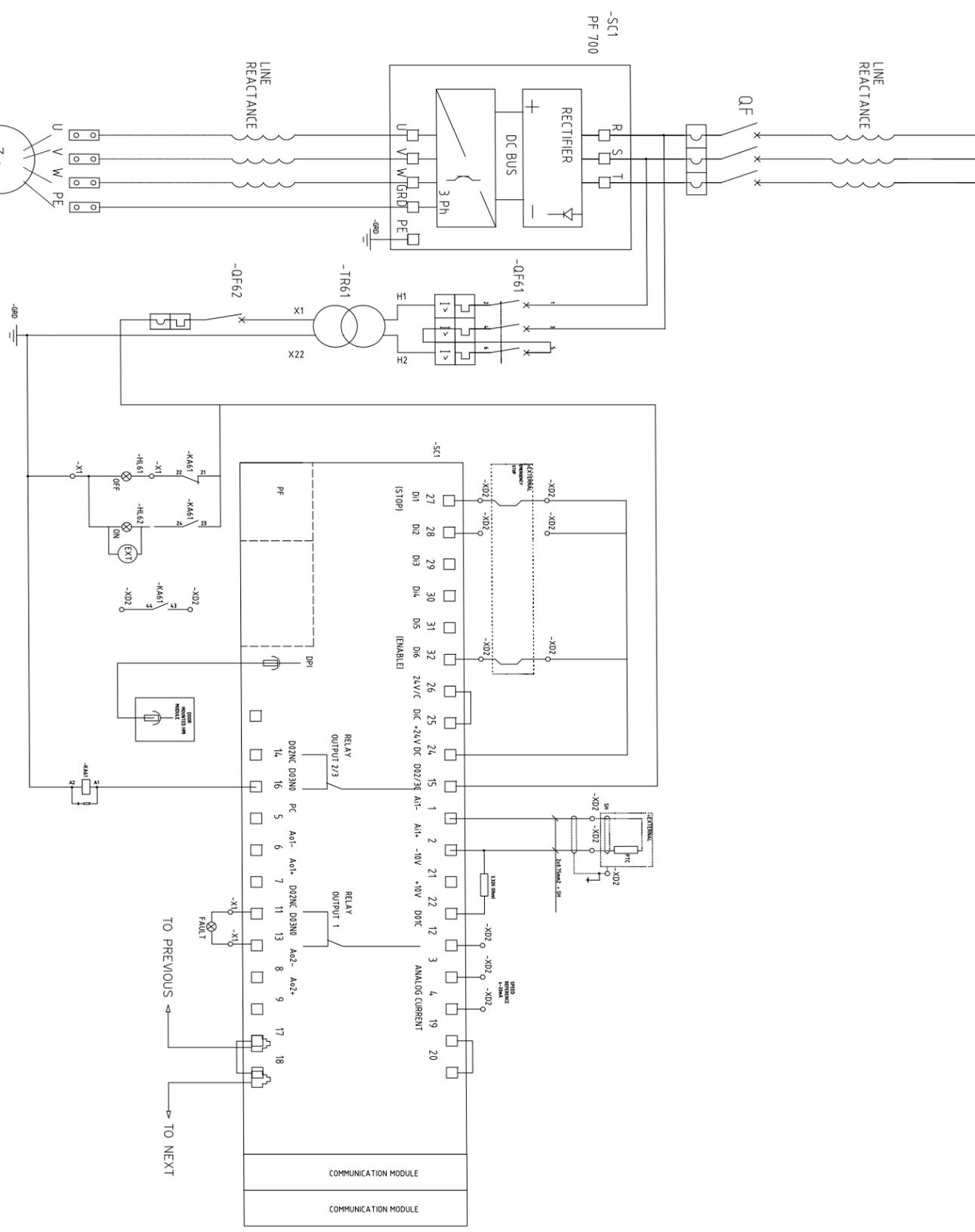
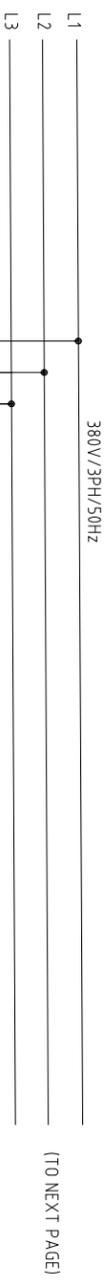
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 350 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6565, Fax: 514-983-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC002
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006
VERIFY:						DWTS: mm	000
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		FORMAT: A1	003	
DESIGN:					TYPE: DISC	003	PAGE: 13/25
BY:					SEQ:	0	REV:
DESCRIPTION:					REV:	0	
DATE:							
ISSUED FOR:							
ISSUED FOR BIDDING:							
DATE:							
REV:							
REFERENCE DRAWINGS:							
DWG. NO.:							

L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

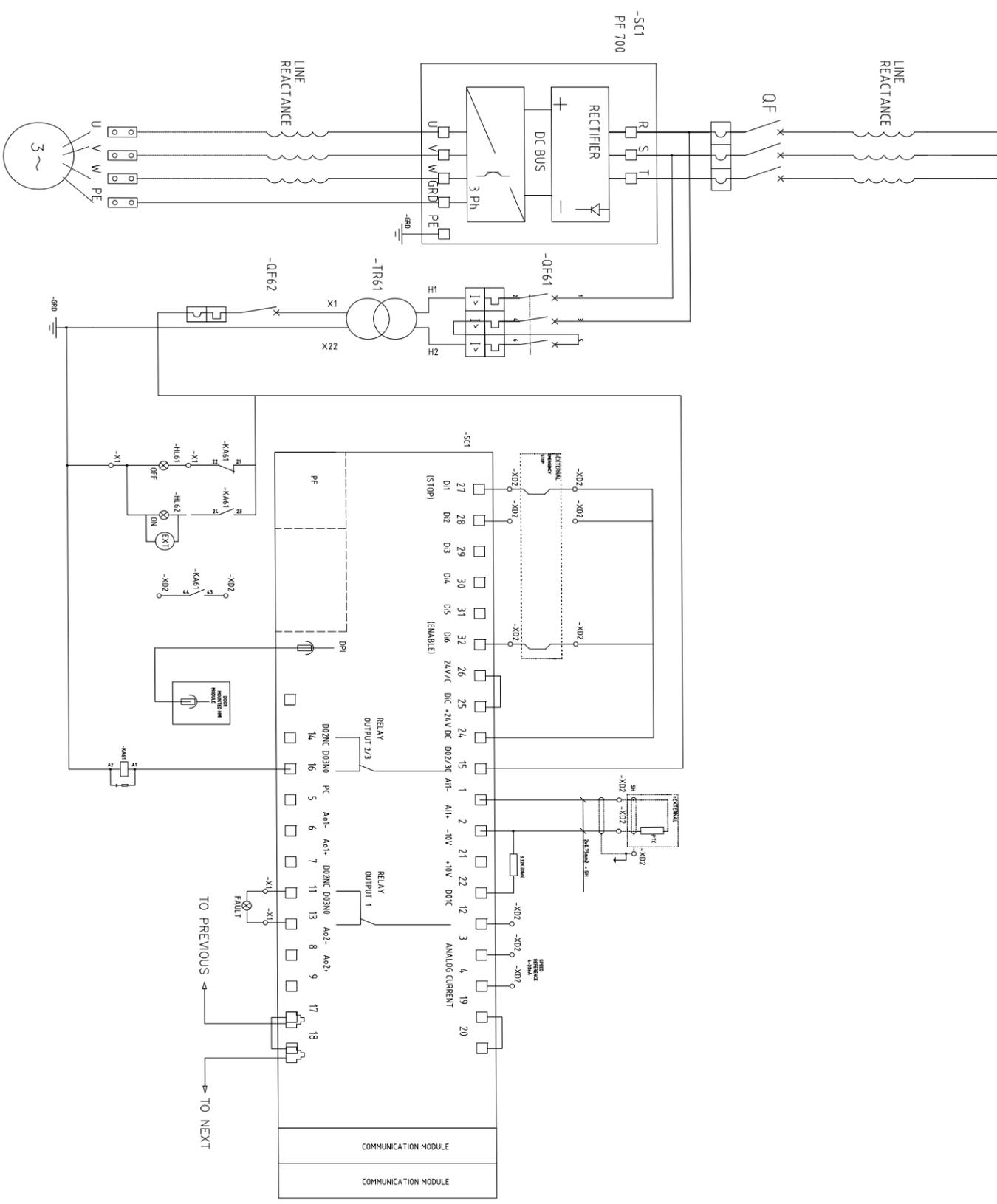
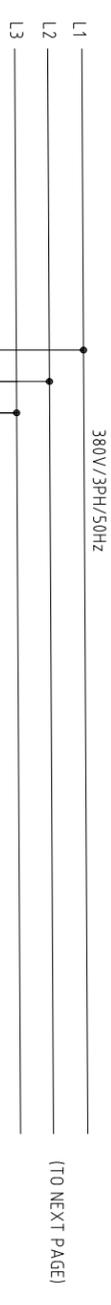


1ST CLEANER
 TAILINGS PUMP
 ZF02-PU003-MA01

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 350 Montreuil, Québec H3B 1P5, Canada Tél. 514-983-6565, fax. 514-983-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002		
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
VERIFY:				SCALE: NO	C22006			
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DWGS: mm	000	FORMAT: A1	PAGE: 15/25	
BY				PROJECT:	C22006	AREA	TYPE	REV.
DESCRIPTION	ISSUED FOR BIDDING	DATE	DATE	REV	0	06	DG	003
REFERENCE DRAWINGS								
DWG. NO.								



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Science, O. Ronin 350 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6565, Fax: 514-983-6008, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER				
0	2020-07-29	ISSUED FOR BIDDING				F. BARIL	2020-07-27	DESIGN:	LAMKHOUKH		PROJECT:		SCALE: NO	DWTS: mm	FORMAT:	A1	PAGE:	16/25
								VERIFY:	LAMKHOUKH		2020-06-11		C22006	000	- 06 -	DG	003	0



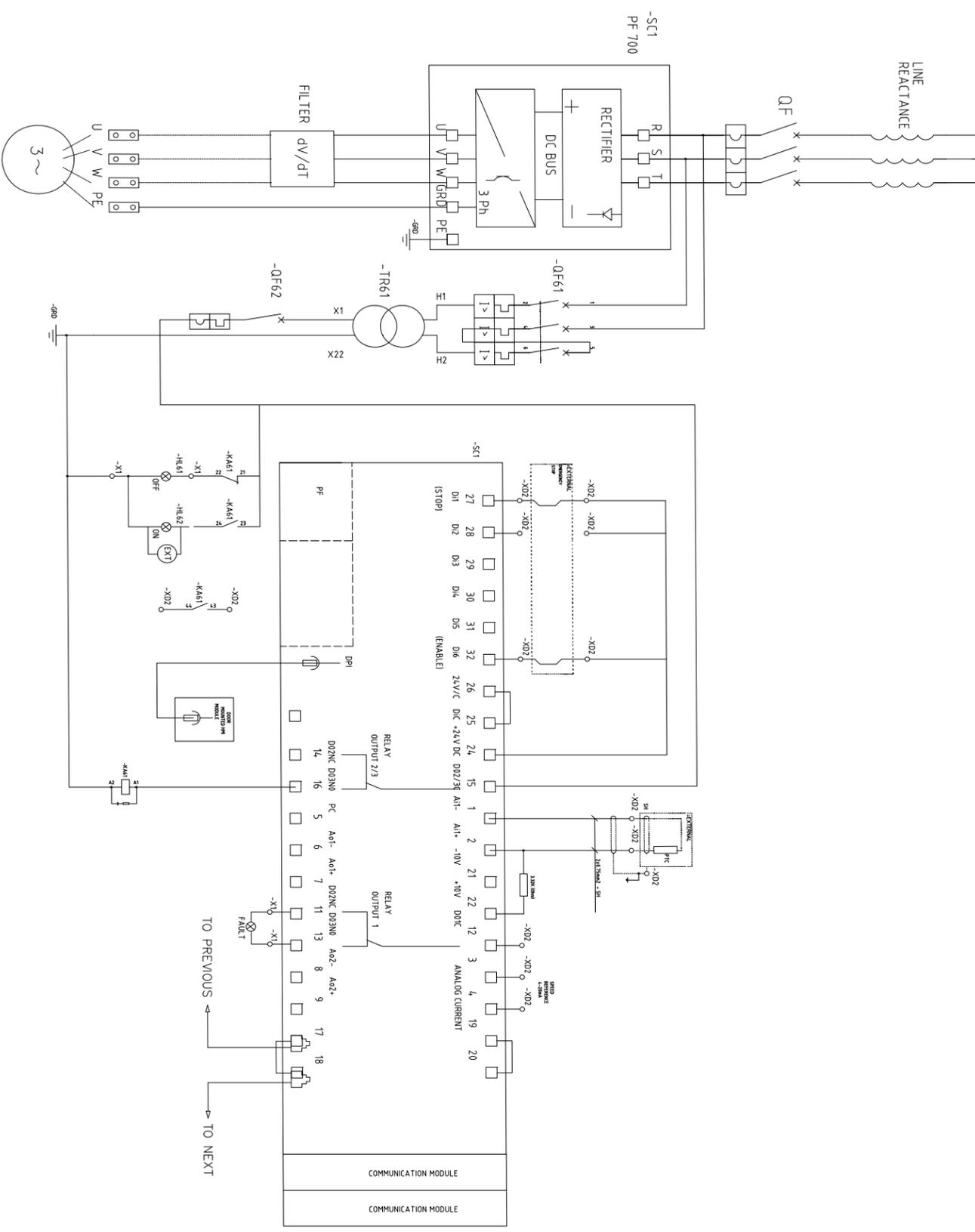
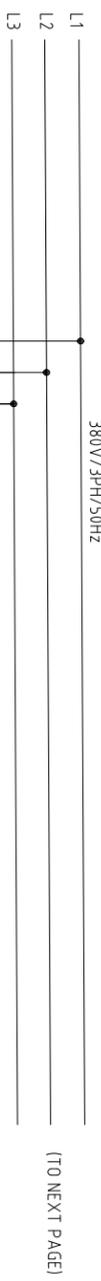
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard Jacques O. Bozon 750 Montreal, Quebec H3B 1P5, Canada Tel: 514-983-6555, fax: 514-983-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER		
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT	SCALE: NO	C22006	DRAWING NO.:	BE001-WC002
							APPROVED:	F. BARIL	2020-07-27		VERIFY:		DIMS: mm	000	AREA	
												FORMAT:	A1	TYPE:	DG	
												SEQ:	003	REV:	0	
												PAGE:	17/25			

FINAL CONC.
 PUMP
 ZF03-PU005-MA01

(TO NEXT PAGE)

TO PREVIOUS

TO NEXT



GLAND SEAL
 WATER PUMP
 AG35-PU001-MA01

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 635, Boulevard de la Seigneurie O. Bozon 750 Montreuil, Québec H3B 1P5, Canada Tél. 514-843-6565, fax. 514-843-6308, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002	SCALE: NO	DWTS: mm	FORMAT: A1	PAGE: 19/25			
0	2020-07-29	ISSUED FOR BIDDING			APPROVED:	F. BARIL	DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		DRAWING NO.:	C22006	AREA:	DISC:	TYPE:	SEQ:	REV:

(TO NEXT PAGE)

COMMUNICATION MODULE
 COMMUNICATION MODULE

380V/3PH/50HZ

L1 _____ ● _____

L2 _____ ● _____

L3 _____ ● _____

N _____

(TO NEXT PAGE)



REAGENT MCC
BE001-WC005

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 21/25				
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	2020-06-11				PROJECT NO:	DRAWING NO.:	AREA:	DISC:	TYPE:	SEQ:	REV:	
						VERIFY:												
						APPROVED:	2020-07-27											

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

APPROVED: F. BARIL

380V/3PH/50HZ

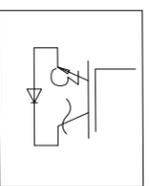
L1 _____

L2 _____

L3 _____

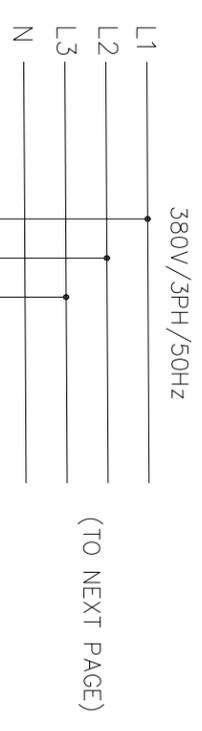
N _____

(TO NEXT PAGE)

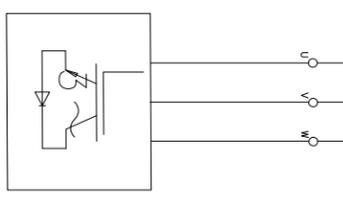


ACTIVE FILTER

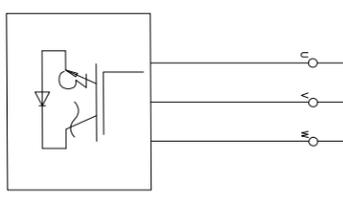
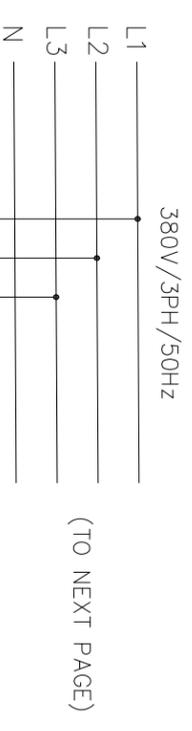
DESIGN: LAMKHOUKH		2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	
DRAWN: LAMKHOUKH		2020-06-11	CLIENT: RMG COPPER JSC RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
VERIFY:			DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002	
APPROVED: F. BARIL		2020-07-27	SCALE: NO	UNITS: mm
BY:			PROJECT: C22006	DRAWING NO.: 000
REVISION	DATE	DESCRIPTION	AREA	DISC.
0	2020-07-29	ISSUED FOR BIDDING		TYPE: A1
				SEQ: 003
				REV: 0
DWG. NO.		REFERENCE DRAWINGS		



ACTIVE FILTER



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.
							DRAWN:	2020-06-11	
							VERIFY:		
		0	2020-07-29				APPROVED:	2020-07-27	
							F. BARIL		CLIENT:
									RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA
									DESCRIPTION:
									MOTOR CONTROL CENTER BE001-WC002
									SCALE: NO
									C22006 PROJECT
									UNITS: mm
									000 - AREA 06 - DISC. DG - TYPE 003 - SEQ. 0 - REV.
									A1 - FORMAT 23/25 - PAGE

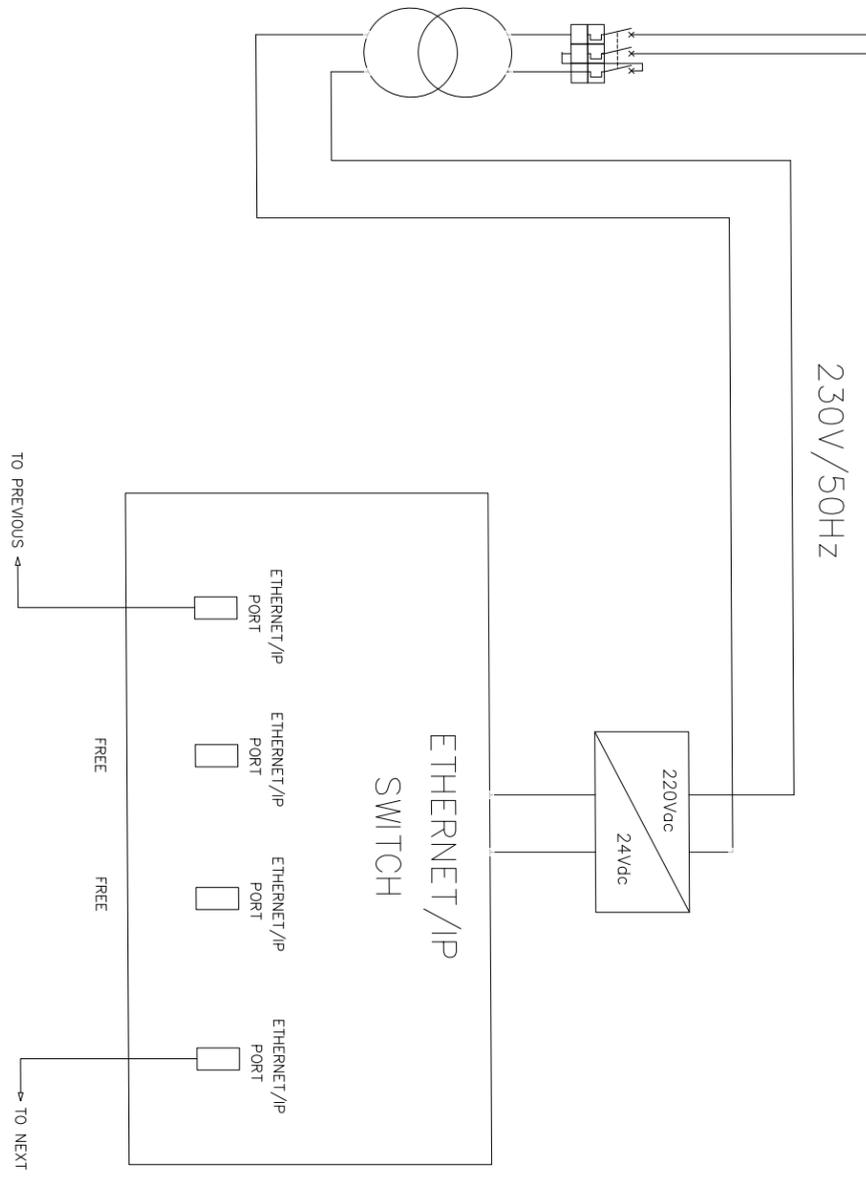
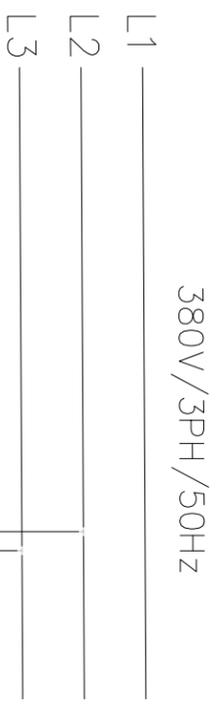


ACTIVE FILTER

DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN: LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC002	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 24/25		
REFERENCE DRAWINGS						DRAWN: LAMKHOUKH	2020-06-11	PROJECT:				DRAWING NO.:	AREA:	DISC:	TYPE:	SEQ.	REV.
							VERIFY:										

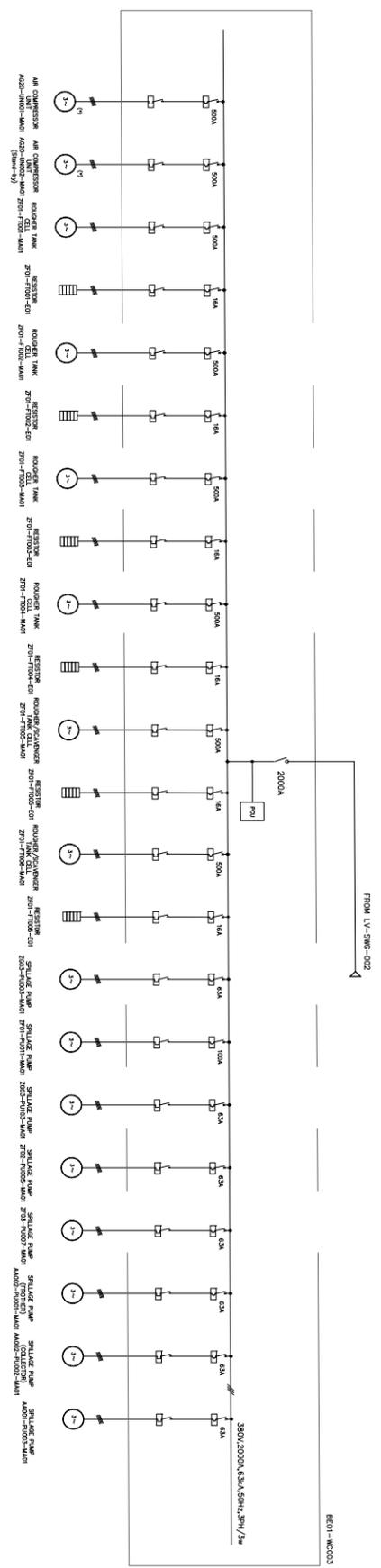
APPROVED: F. BARIL
 (seal)
 2020-07-27

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.



DWG. NO.	REFERENCE DRAWINGS	DESIGN:	L.AMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC002
REV	DATE	ISSUED FOR BIDDING	DESIGN:	2020-07-27		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006
			DRAWN:					UNITS: mm	000
			VERIFY:					FORMAT: A1	06 - DG
			APPROVED:	F. BARIL				003	
			BY					0	

	CIRCUIT BREAKER
	DISCONNECT SWITCH
	MAGNETIC PROTECTION
	THERMAL PROTECTION
	CONTACTOR
	VARIABLE FREQUENCY DRIVE
	ACTIVE FILTER
	LINE REACTANCE
	UNINTERRUPTIBLE POWER SOURCE (UPS)

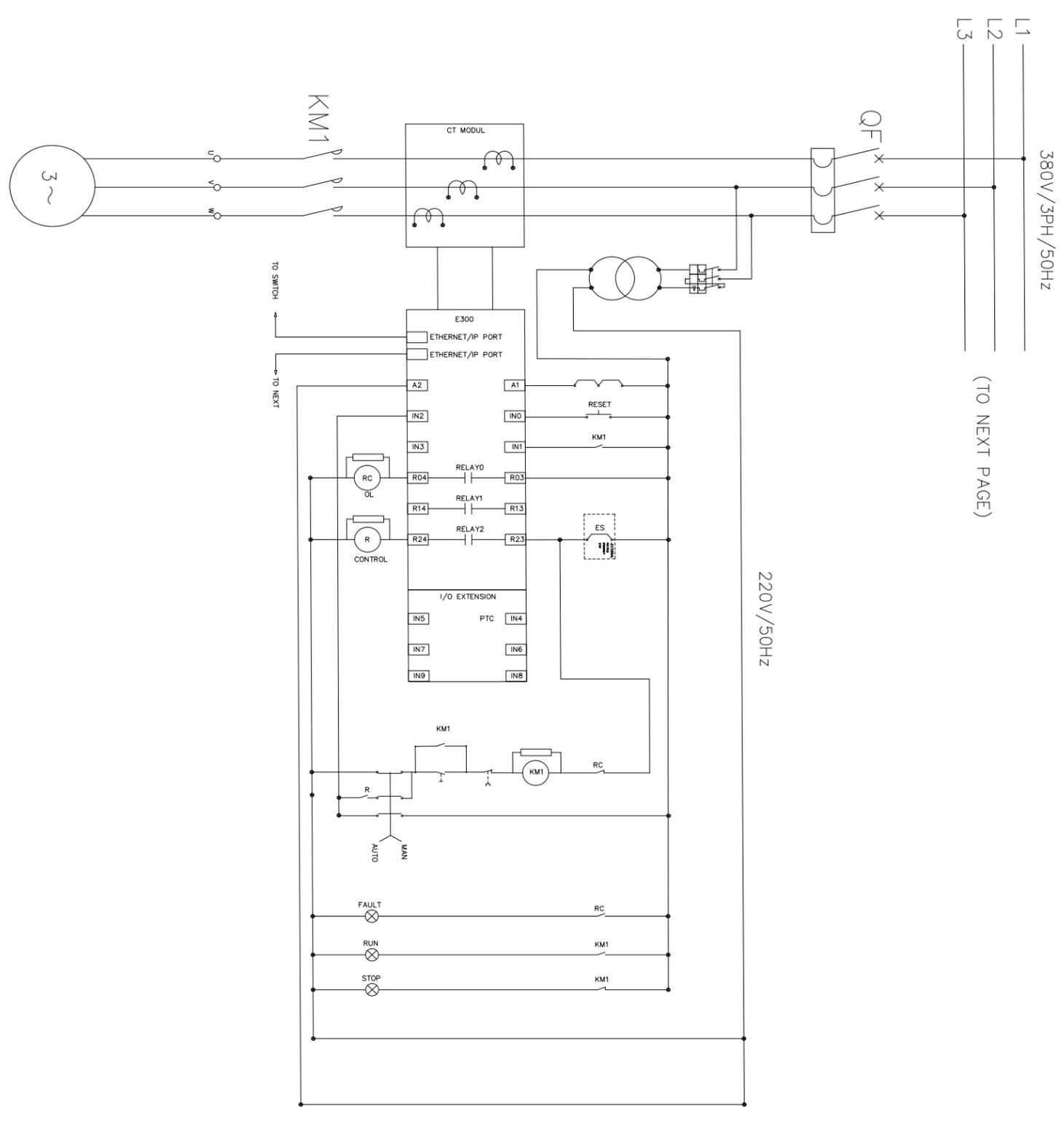


POWER (kW)	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000		
RAISED VOLTAGE (V)	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	
RESISTANCE (Ω)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
INDUCTIVE CAPACITANCE (μF)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
POWER FACTOR	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	
CURRENT (Amps)	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	
INDUCTIVE REACTANCE (Ω)	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35		
CAPACITIVE REACTANCE (Ω)	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35		

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003		
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
VERIFY:				SCALE: NO	DRAWING NO.: 000 - 06 - DG - 004			
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	UNITS: mm	FORMAT: A1	PAGE: 1/24		
DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	AREA	DISC	TYPE	SEQ.	REV.
0	2020-07-29							0
REFERENCE DRAWINGS								
DWG. NO.								

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-813-6565, Fax: 514-813-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003
		0	2020-07-29	ISSUED FOR BIDDING		2020-06-11				
						APPROVED:	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		
						F. BARIL				

AIR COMPRESSOR
 UNIT
 AG20-UN001-MA01

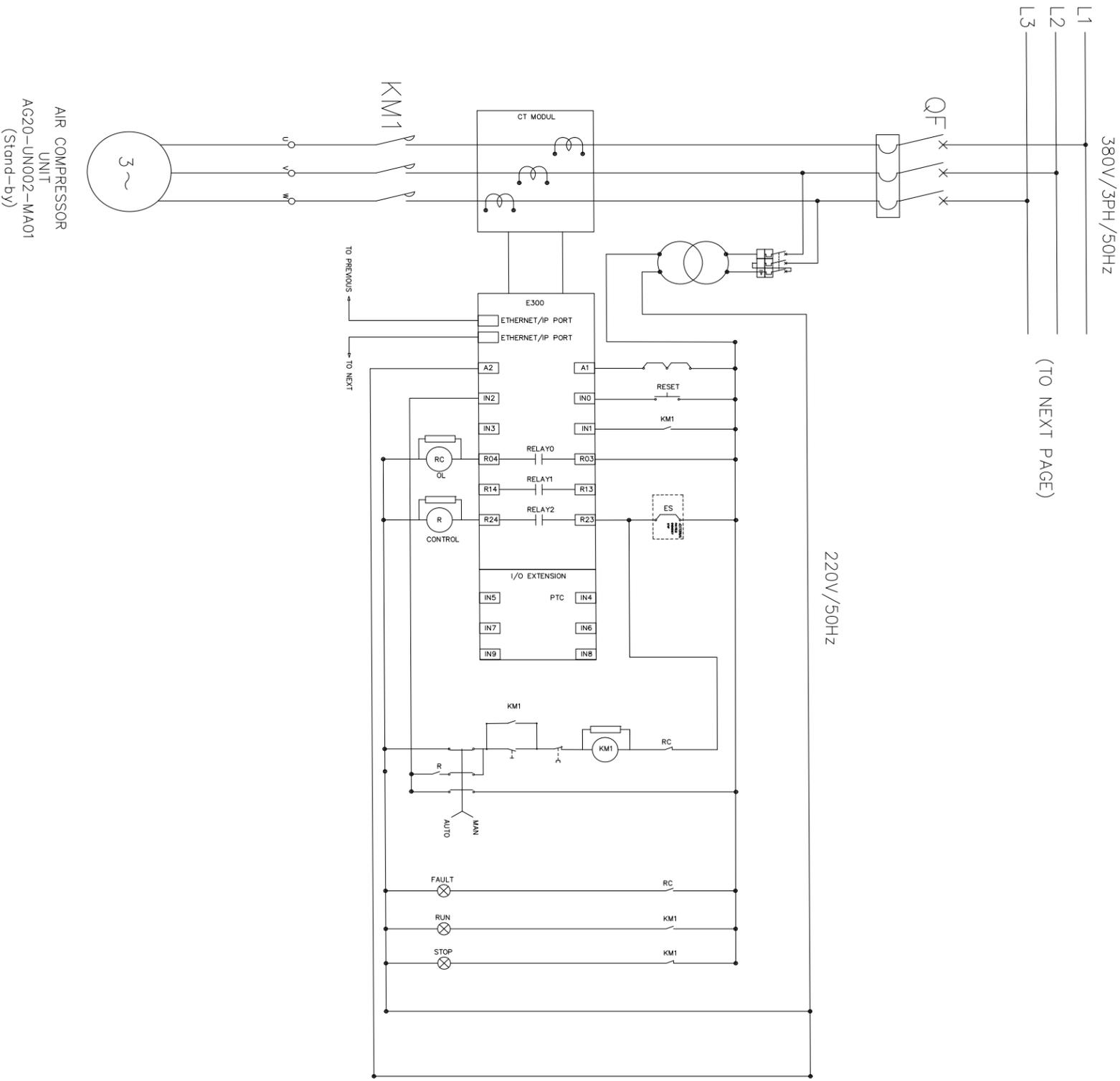


L1
 L2
 L3
 380V/3PH/50Hz
 (TO NEXT PAGE)

220V/50Hz

TO SWITCH
 TO NEXT

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC003
						DRAWN:	2020-06-11	PROJECT:					
						VERIFY:		SCALE: NO		UNITS: mm		FORMAT: A1	
		0	2020-07-29				APPROVED:	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.				



AIR COMPRESSOR
 UNIT
 AG20-UN002-MA01
 (Stand-by)

(TO NEXT PAGE)

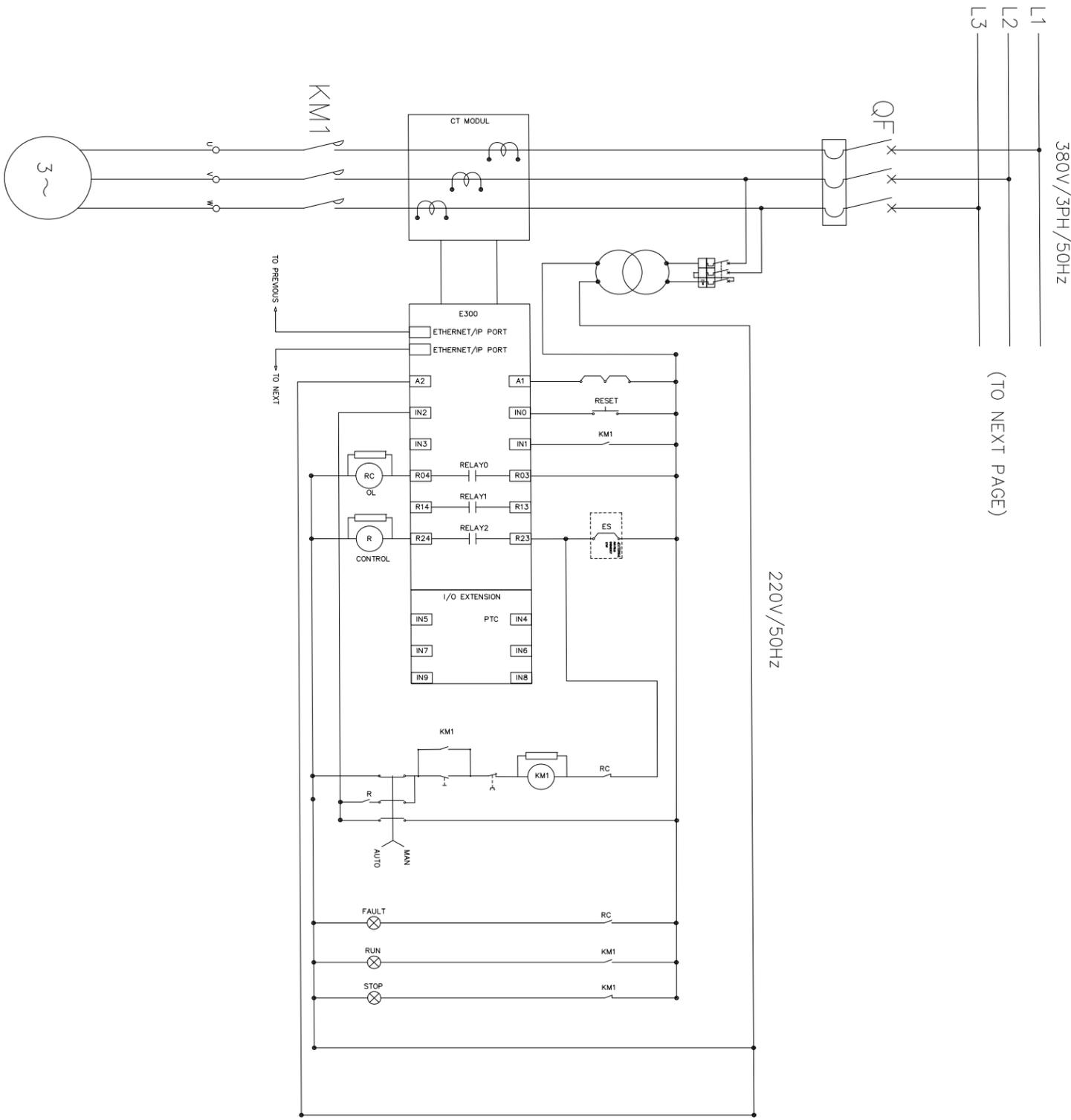
220V/50Hz

TO PREVIOUS

TO NEXT

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	DATE	CLIENT:	DESCRIPTION:	SCALE:	UNITS:	FORMAT:	PAGE:
		0	2020-07-29				F. BARIL	LAMKHOUKH	2020-05-03	RMG COPPER JSC	MOTOR CONTROL CENTER	C22006	mm	A1	5/24
								LAMKHOUKH	2020-06-11	RMG MADNEULI EXISTING	BE001-WC003				
										PLANT UPGRADING PROJECT					
										BOLNISI - GEORGIA					

RESISTOR
 ZF01-FT001-E01



L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

220V/50HZ

TO PREVIOUS
 TO NEXT

BUMIGEME
 Mining, Geology and Metallurgy
 615, René-Lévesque O. Room 750
 Montréal, Québec, H3B 1P5, Canada
 Tel. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com

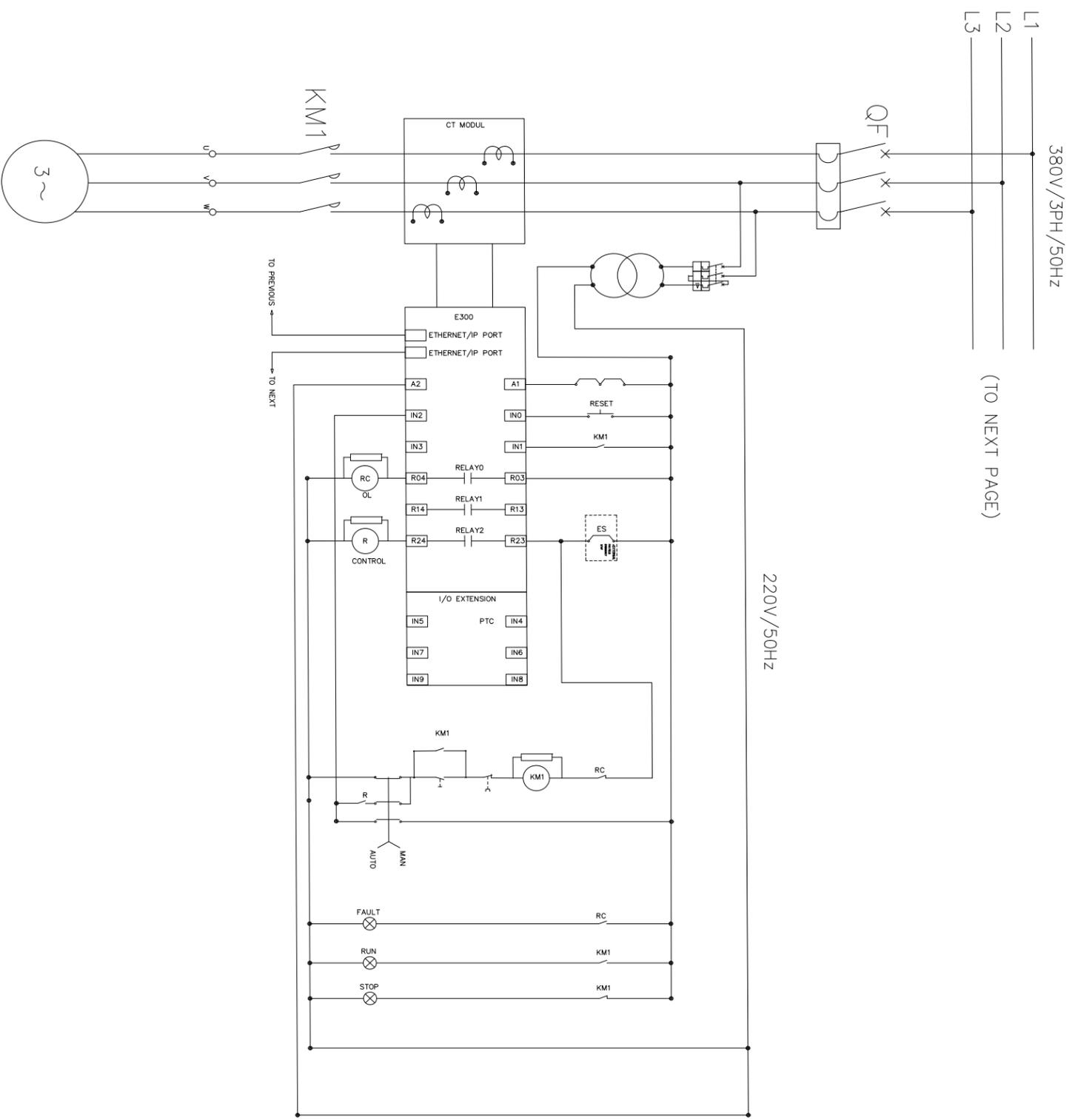
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT
 BOLNISI - GEORGIA

SCALE: NO. PROJECT C22006
 DRAWING NO.: BE001-WC003
 UNITS: mm
 AREA: 000 - 06 - DG 004
 DISC. TYPE: SEQ.
 PAGE: 5/24
 REV. 0

DWG. NO.	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003
REFERENCE DRAWINGS	0	2020-07-29	ISSUED FOR BIDDING		2020-06-11	DRAWN: L.AMKHOUKH			
						VERIFY: F. BARIL			
					APPROVED:	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		SCALE: NO C22006 PROJECT
									UNITS: mm DRAWING NO.: 000 - 06 - DG 004 AREA DISC. TYPE SEQ. REV.

ROUGHER TANK
 CELL
 ZF01-FT002-MA01

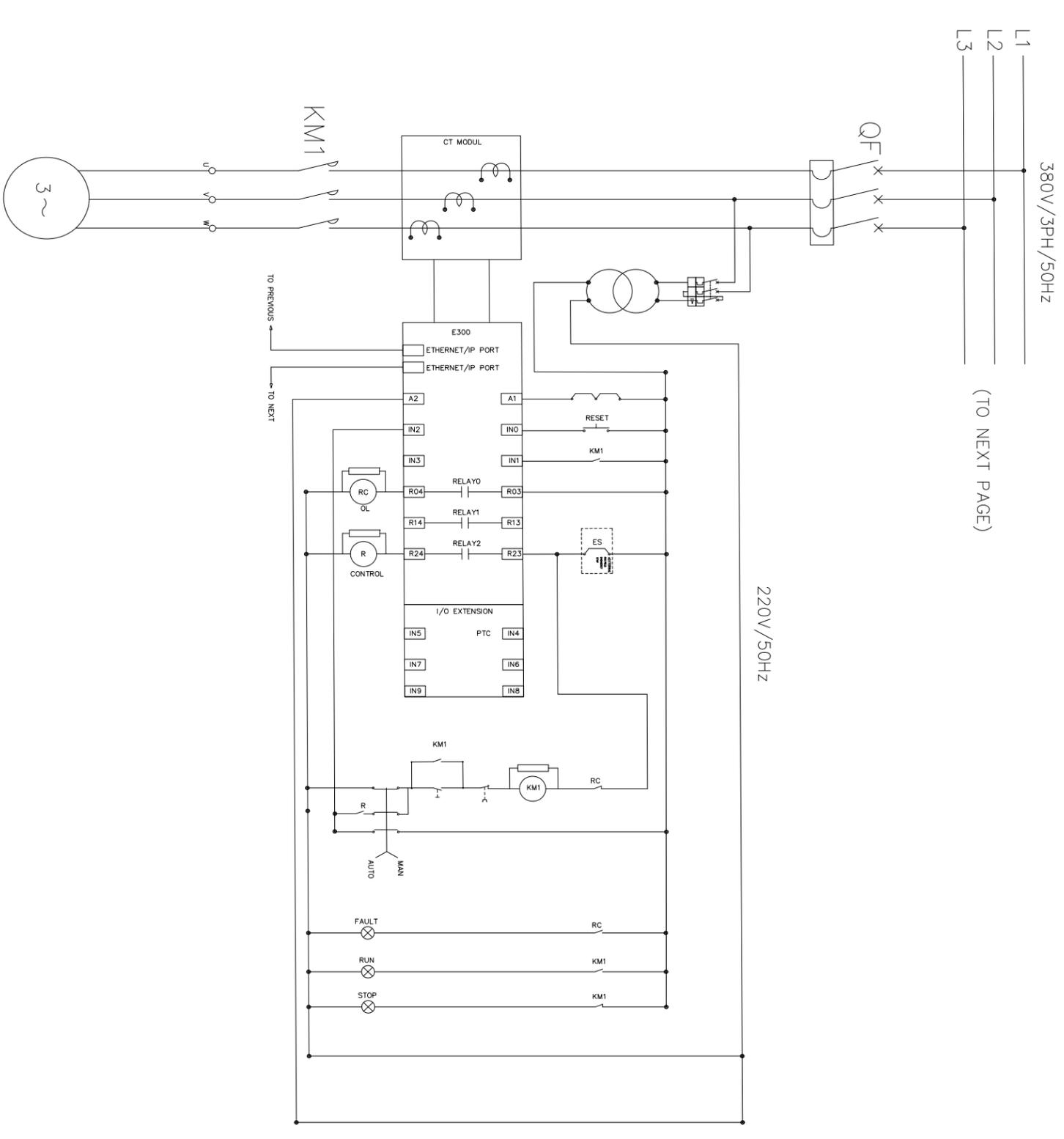


(TO NEXT PAGE)

220V/50HZ

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1J5, Canada Tél. 514-843-6505 Fax. 514-883-6508 www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC003
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:			
VERIFIED:				SCALE: NO		UNITS: mm	
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	PROJECT NO:	C22006	DRAWING NO.:	000 - 06 - DG 004
DESIGN NO.:				PROJECT AREA:	DISC.:	TYPE:	SEQ.:
REFERENCE DRAWINGS							
REV	0	2020-07-29	ISSUED FOR BIDDING				
DATE							
DESCRIPTION							

RESISTOR
 ZF01-FT002-E01



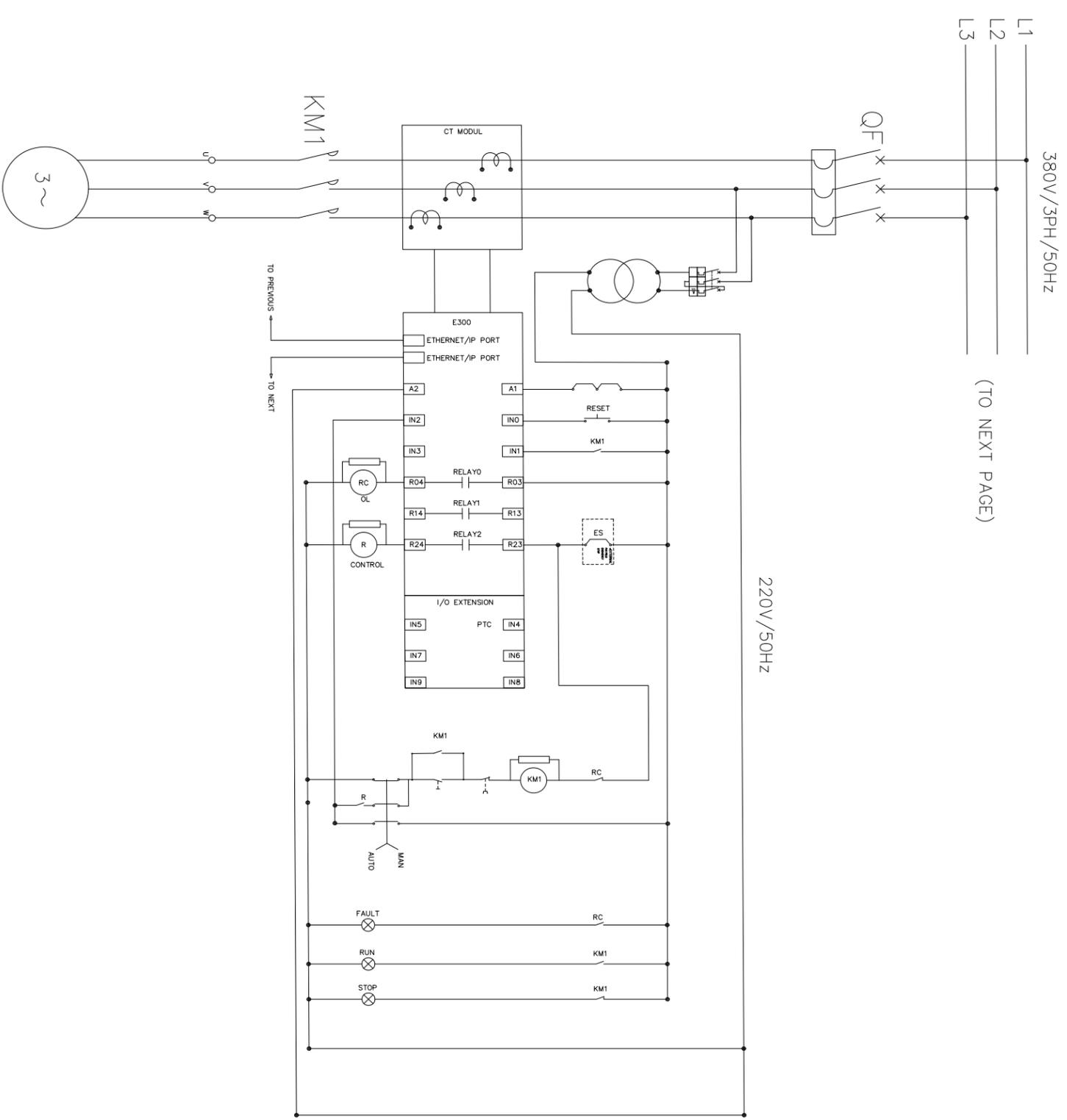
L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

220V/50HZ

TO PREVIOUS
 TO NEXT

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, Route 440, Repentigny, Q. Beaurivage Montreal, Quebec H3B 3P5, Canada TEL: 514-943-6565, FAX: 514-943-6508, WWW: bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
VERIFIED:				SCALE: NO	C22006		UNITS: mm
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DATE	2020-07-29	REV	0
DESCRIPTION	ISSUED FOR BIDDING			DWG. NO.	REFERENCE DRAWINGS		

ROUGHER TANK
 CELL
 ZF01-FT003-MA01



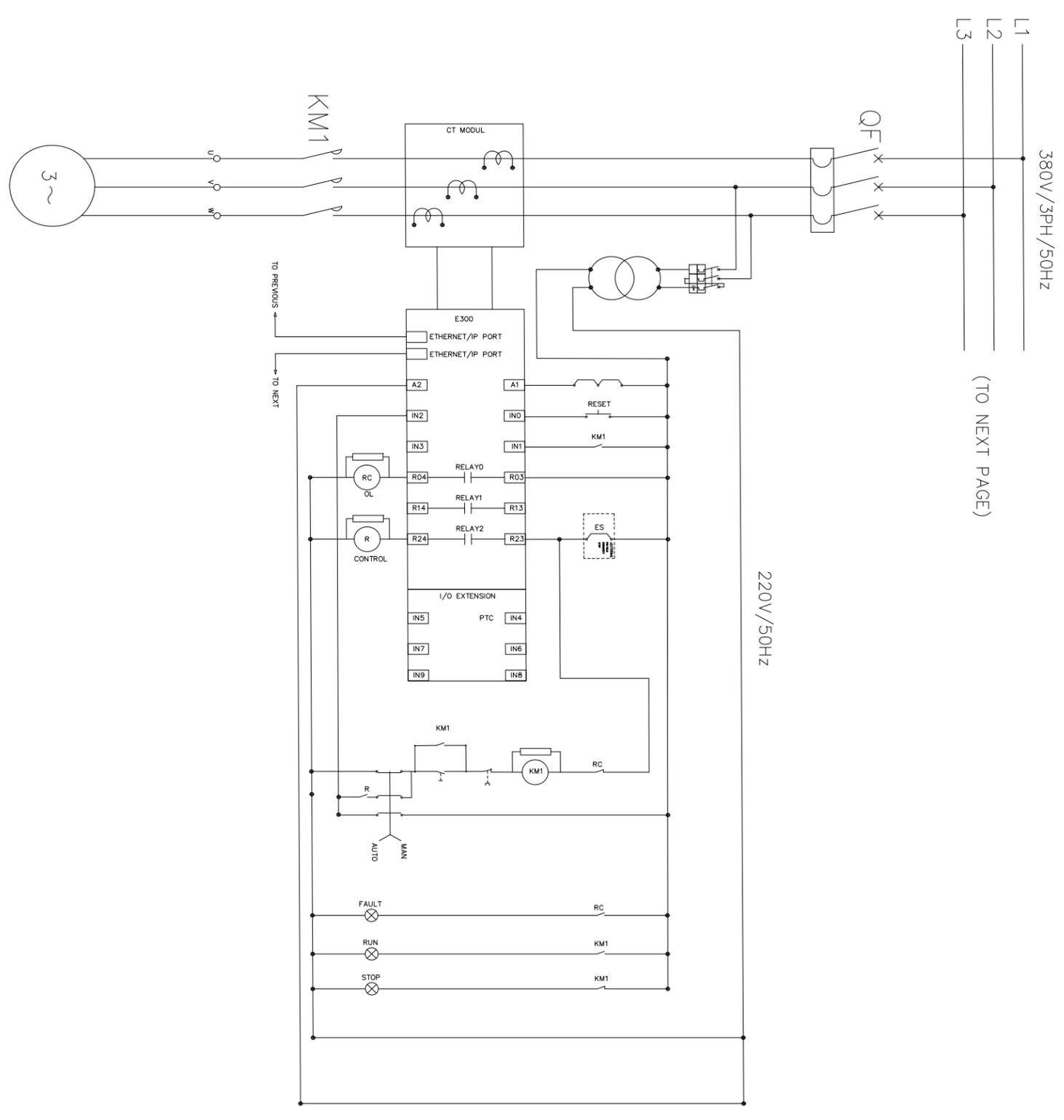
L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

220V/50HZ

TO PREVIOUS
 TO NEXT

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, Parfaite Harmonie O. Room 750 Montreal, Quebec H3B 3P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
VERIFIED:				SCALE: NO	C22006		UNITS: mm
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DATE	2020-07-29	DESCRIPTION	ISSUED FOR BIDDING
BY				AREA	000 - 06 - DG	004	REV
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	ISSUED FOR BIDDING	DATE	2020-07-29

RESISTOR
 ZF01-FT003-E01

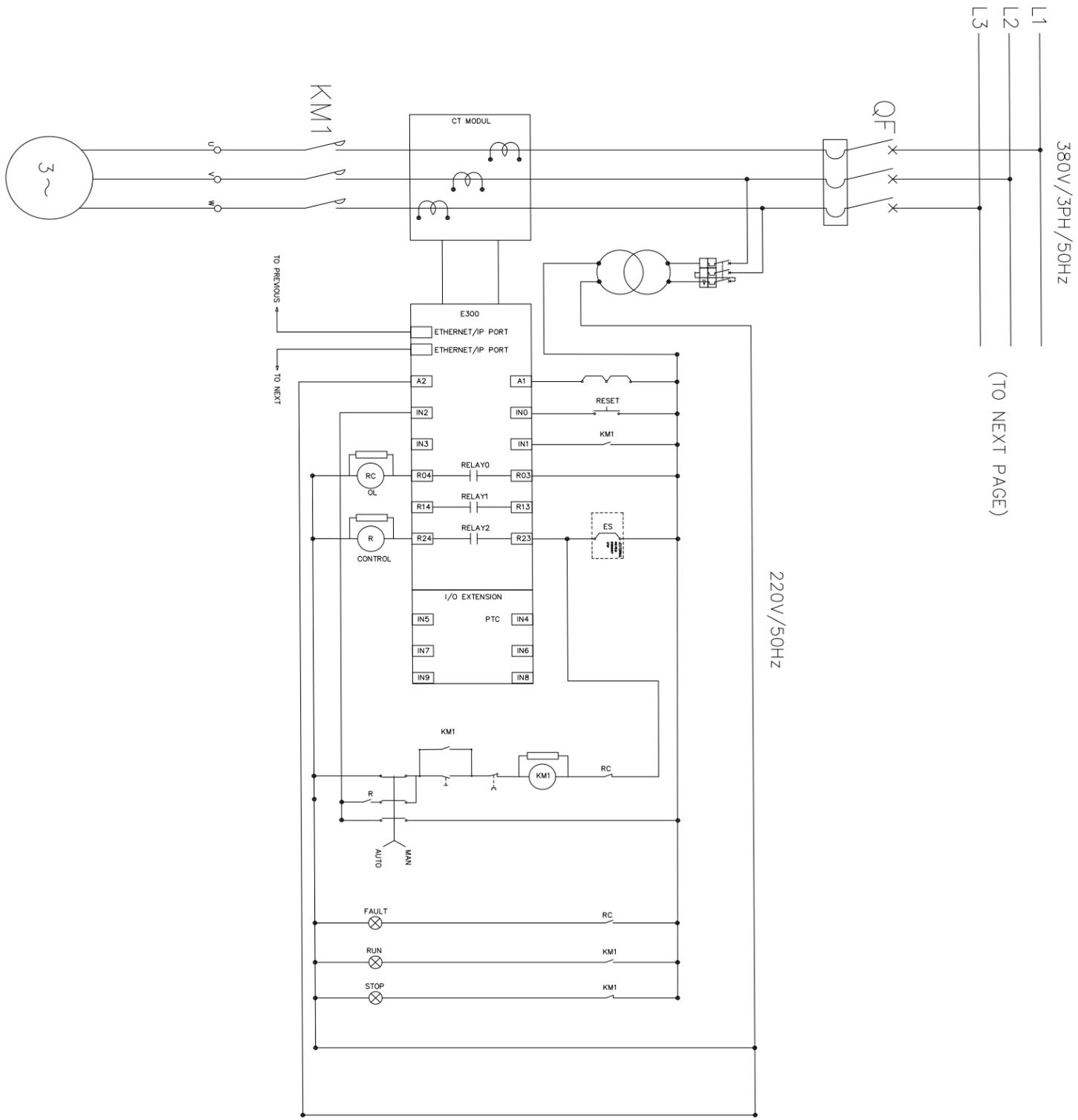


(TO NEXT PAGE)

220V/50HZ

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel. 514-843-6505, Fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC003
		0	2020-07-29			F. BARIL	LAMKHOUKH	2020-06-11	PROJECT:					
							LAMKHOUKH	2020-07-27	SCALE: NO					
										C22006	UNITS: mm	FORMAT: A1	PAGE: 10/24	
											000 - 06 - DG	004		
													0	

ROUGHER TANK
 CELL
 ZF01-FT004-MA01

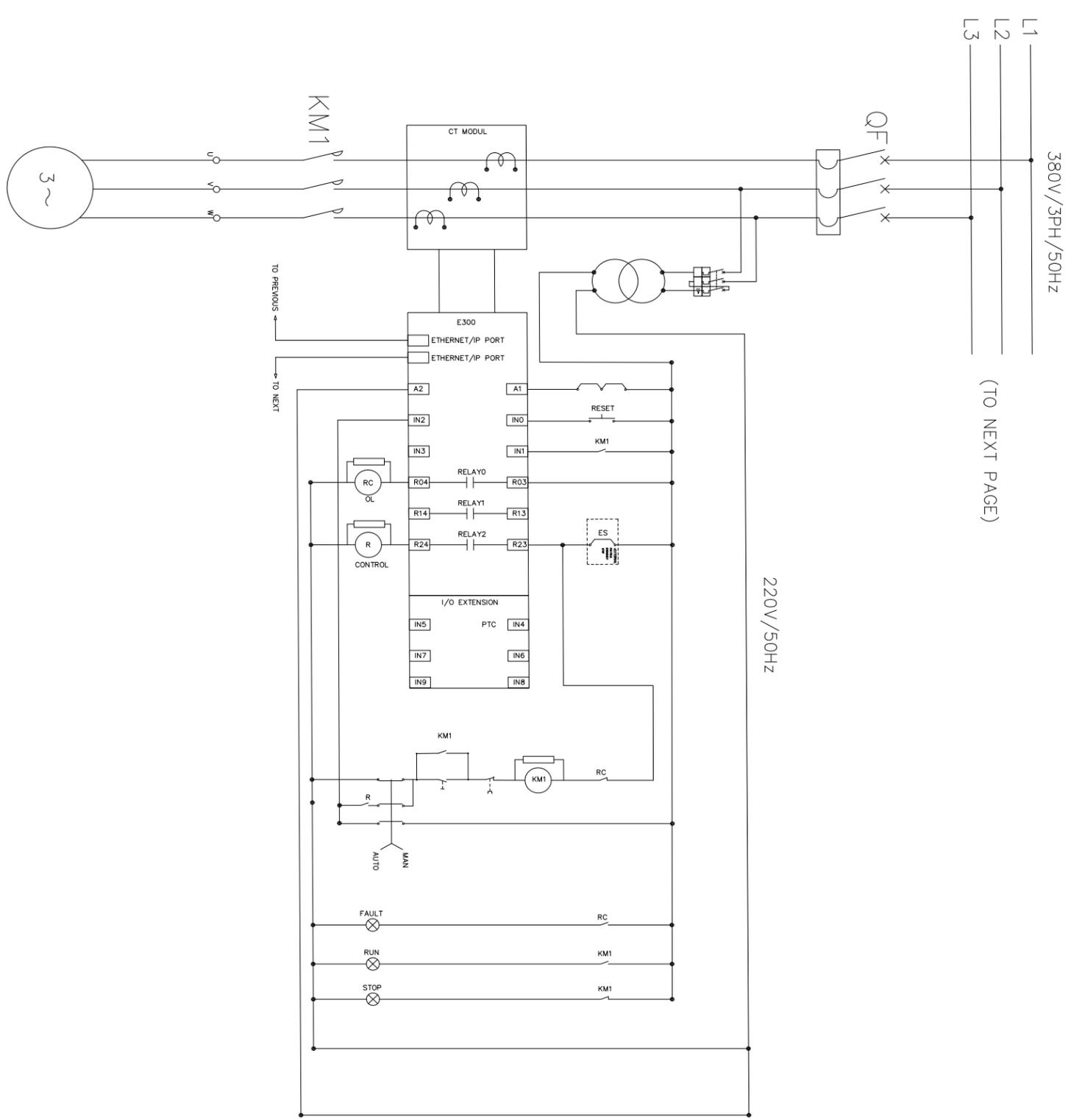


(TO NEXT PAGE)

220V/50HZ

DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003	SCALE: NO	C22006	PROJECT	000	AREA	06	DISC	DG	TYPE	004	PAGE:	11/24
REFERENCE DRAWINGS							DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT		DRAWING NO.:	000	UNITS:	mm	FORMAT:	A1	REV.	0				
							VERIFY:				APPROVED:	F. BARIL		2020-07-27											

RESISTOR
 ZF01-FT004-E01



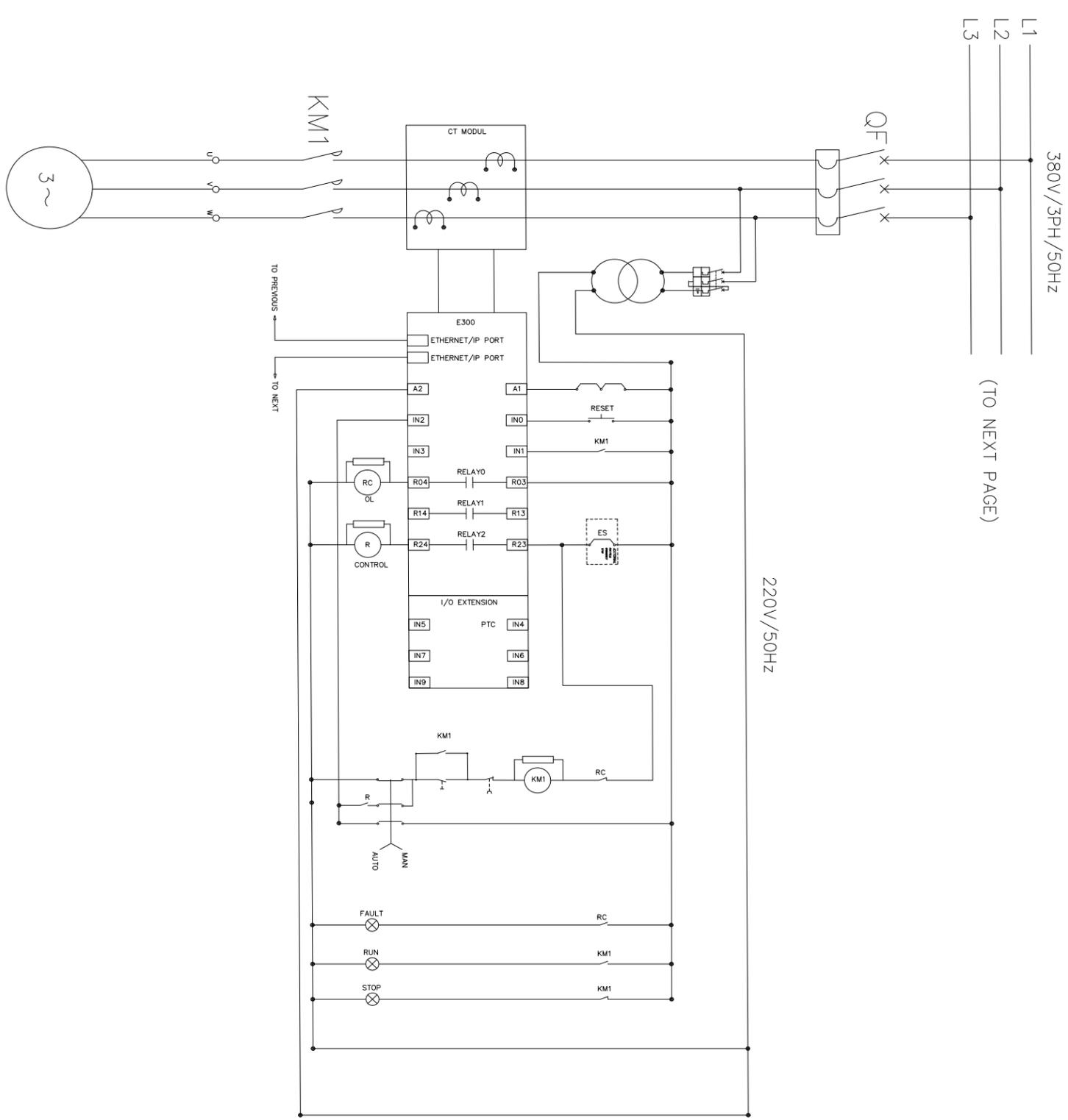
L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

220V/50HZ

TO PREVIOUS
 TO NEXT

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	DATE	CLIENT:	DESCRIPTION:	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 13/24
		0	2020-07-29				F. BARIL	LAMKHOUKH	2020-05-03	RMG COPPER JSC	MOTOR CONTROL CENTER	C22006	000	DG	004
								LAMKHOUKH	2020-06-11	RMG MADNEULI EXISTING	BE001-WC003				
										PLANT UPGRADING PROJECT					
										BOLNISI - GEORGIA					

RESISTOR
 ZF01-FT005-E01



(TO NEXT PAGE)

220V/50HZ

380V/3PH/50HZ

L1
 L2
 L3

BUMIGEME
 Mining, Geology and Metallurgy
 615, René-Lévesque O. Room 750
 Montréal, Québec, H3B 1P5, Canada
 Tel: 514-843-6505, Fax: 514-843-6508, www.bumigeme.com

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

PROJECT: RMG MADNEULI EXISTING
 PLANT UPGRADING PROJECT
 BOLNISI - GEORGIA

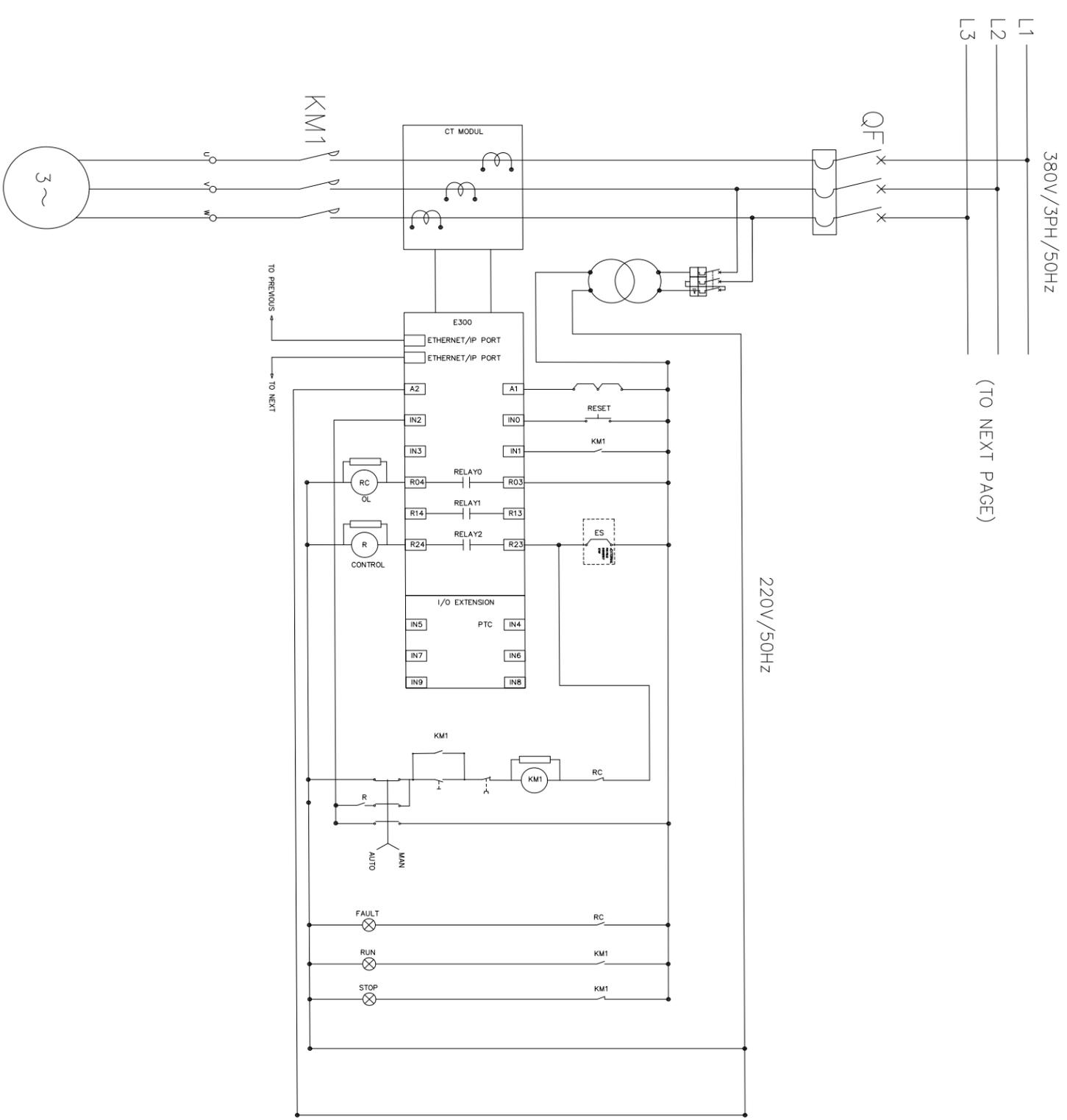
CLIENT: RMG COPPER JSC

DESCRIPTION: MOTOR CONTROL CENTER
 BE001-WC003

SCALE: NO PROJECT C22006
 UNITS: mm AREA 000
 DRAWING NO.: 000 - 06 - DG
 FORMAT: A1 DISC TYPE SEQ.
 PAGE: 13/24 REV. 0

DWG. NO.	0	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 3P5, Canada Tél. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003					
REFERENCE DRAWINGS						DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA						
						VERIFY:				SCALE: NO	C22006		UNITS: mm	000	FORMAT: A1	PAGE: 14/24	
						APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.			DRAWING NO.:	BE001-WC003	FORMAT:	A1	PAGE:	14/24
						BY											

ROUGHER/SCAVENGER
 TANK CELL
 ZF01-FT006-MA01

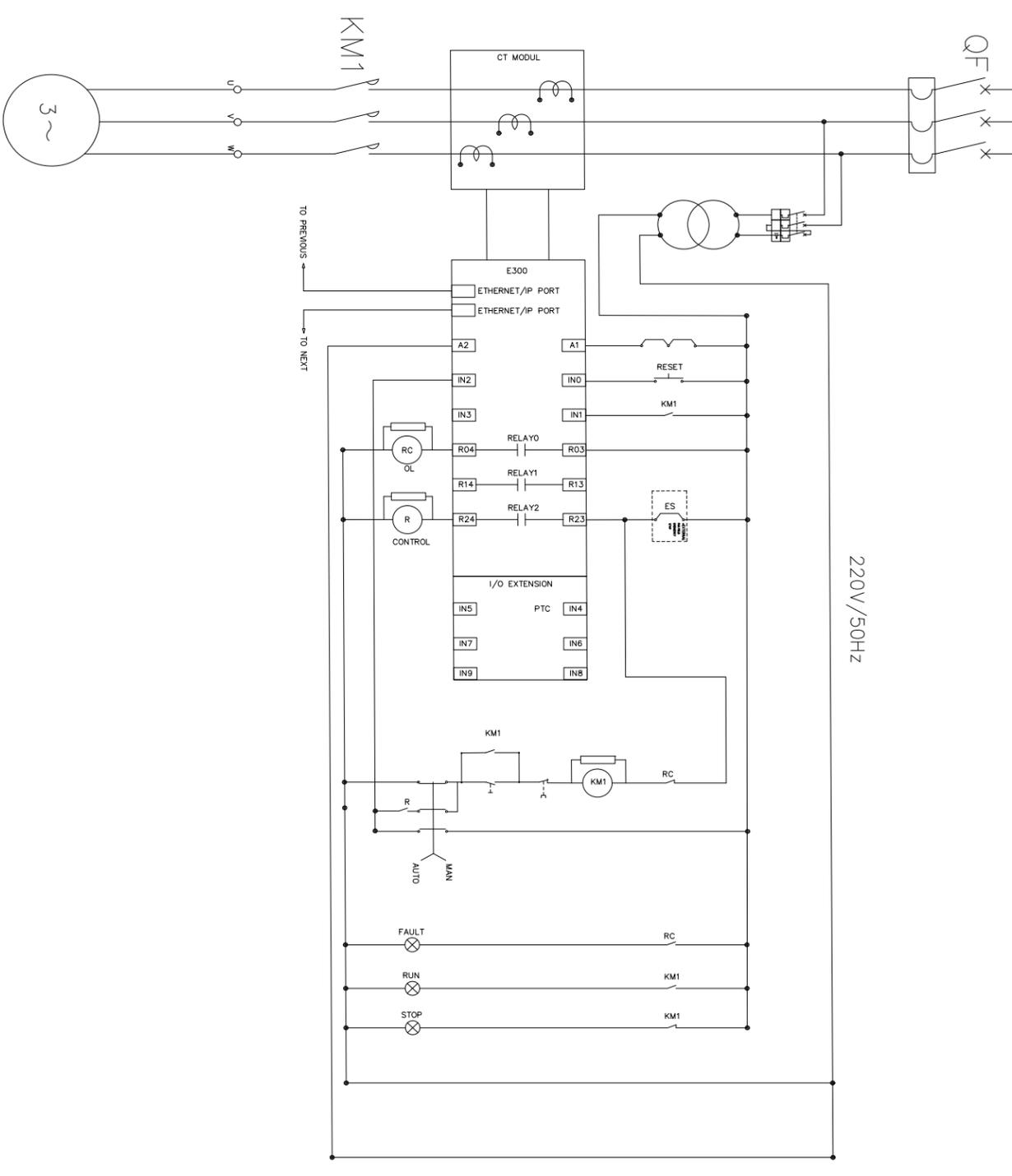


L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

220V/50HZ

TO PREVIOUS
 TO NEXT

L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

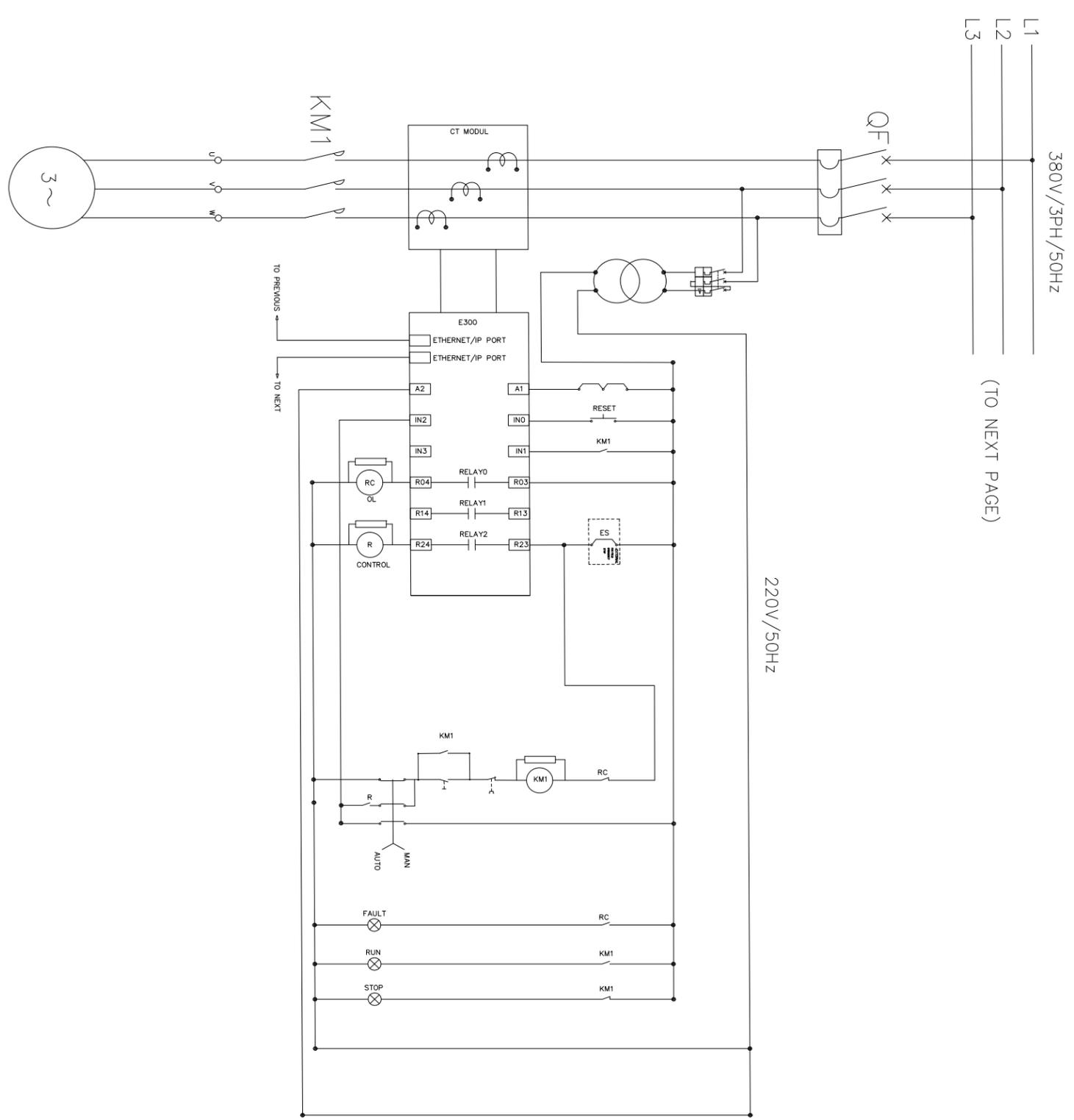


RESISTOR
 ZF01-F T006-E01

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 3J5, Canada Tél. 514-843-6565 Fax. 514-843-6568 www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003			
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA				
VERIFIED:				SCALE: NO	C22006		UNITS: mm	FORMAT: A1	PAGE: 15/24
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	PROJECT:		DRAWING NO.:	000 - 06 - DG 004		
DESIGN:				PROJECT:		AREA:	DISC:	TYPE:	SEQ.
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	F. BARIL	2020-07-27

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montreal, Quebec H3A 1A9, Canada Tel: 514-943-9593, Fax: 514-943-9598, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003					
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA						
VERIFY:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006	UNITS: mm	000	FORMAT: A1	PAGE: 16/24		
APPROVED:	F. BARIL	2020-07-27		PROJECT:	C22006	DRAWING NO.:	000	AREA: 06	DISC: DG	TYPE: 004	SEQ.:
DESIGN:	LAMKHOUKH	2020-05-03									
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	F. BARIL	2020-07-27		

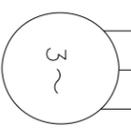
SPILLAGE PUMP
 ZG03-PU003-MA01



L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

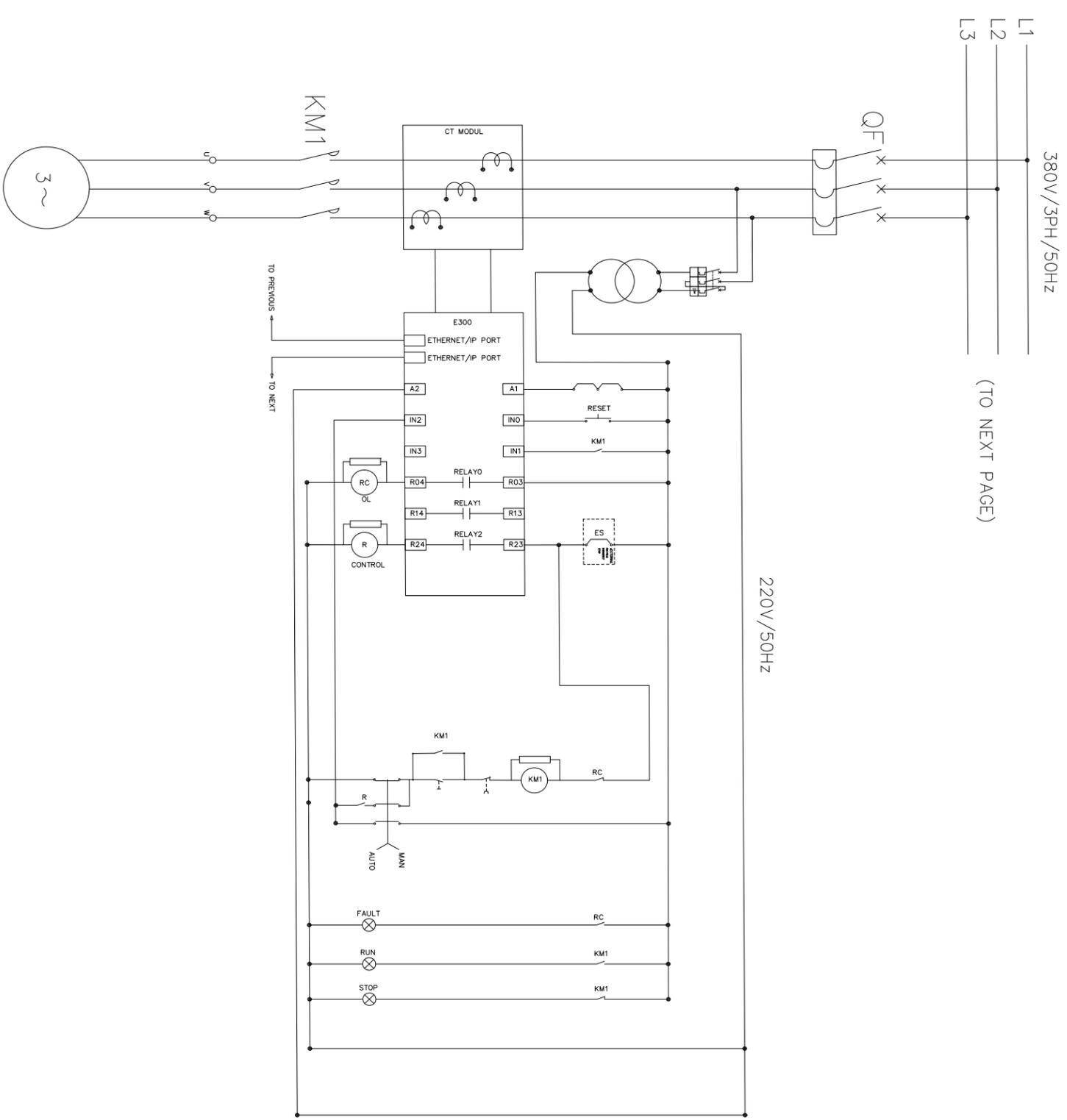
220V/50HZ

KM1
 TO PREVIOUS
 TO NEXT



DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O, Room 750 Montréal, Québec, H3B 3J5, Canada Tél. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003						
REFERENCE DRAWINGS		DATE				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA							
						VERIFY:				SCALE: NO	C22006		UNITS: mm	FORMAT: A1	PAGE: 17/24			
						APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.				DRAWING NO.:	000 - 06 - DG - 004	DISC. TYPE	004	REV.	0

SPILLAGE PUMP
 ZF01-PU011-MA01

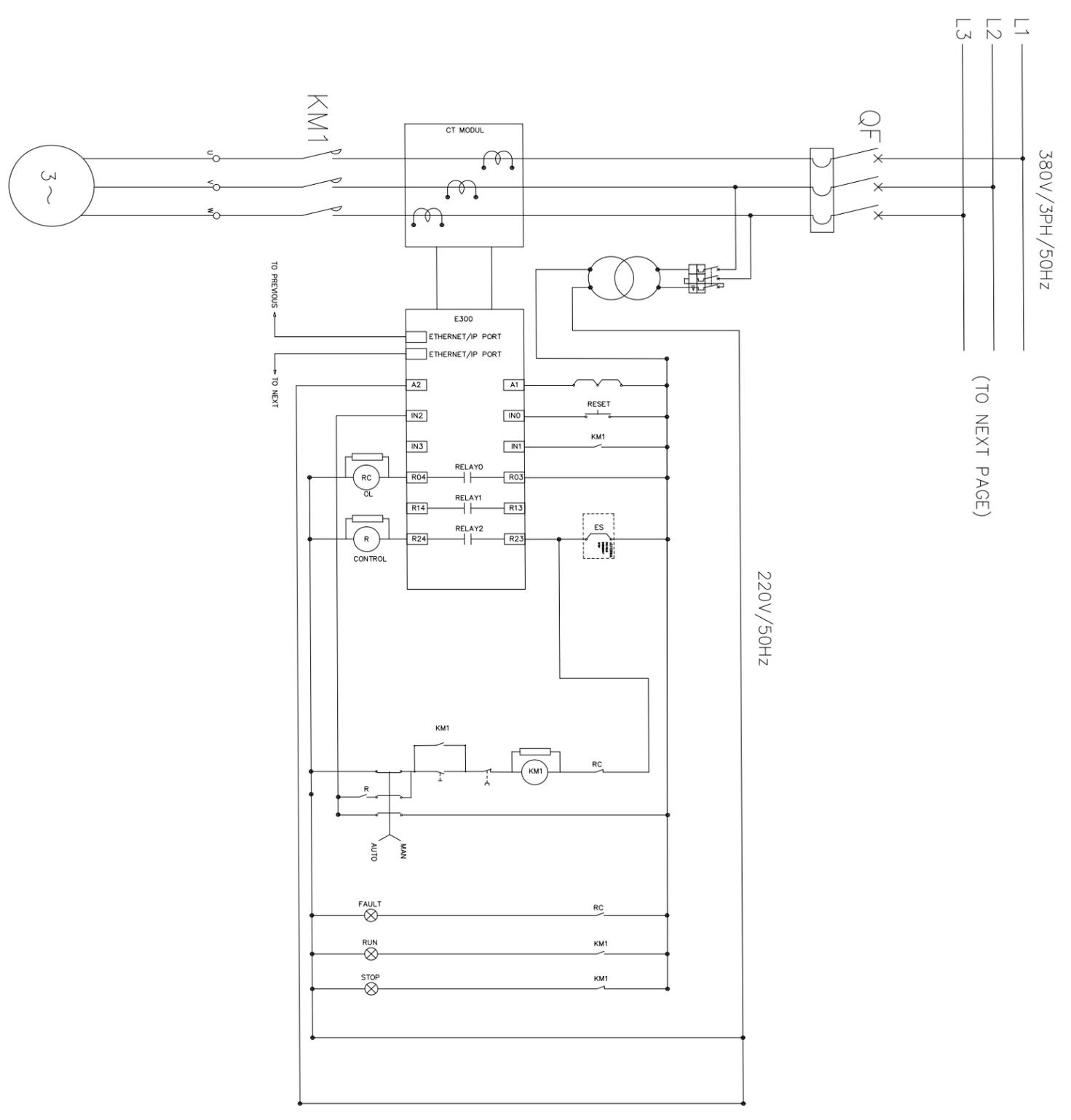


(TO NEXT PAGE)

220V/50HZ

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec H3B 1P9, Canada Tel: 514-843-8565 Fax: 514-843-8508 www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC003
		0	2020-07-29				DRAWN:	2020-06-11		PROJECT:		SCALE: NO	
							VERIFY:		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.				
							APPROVED:	2020-07-27					

SPILLAGE PUMP
 ZG03-PU103-MA01

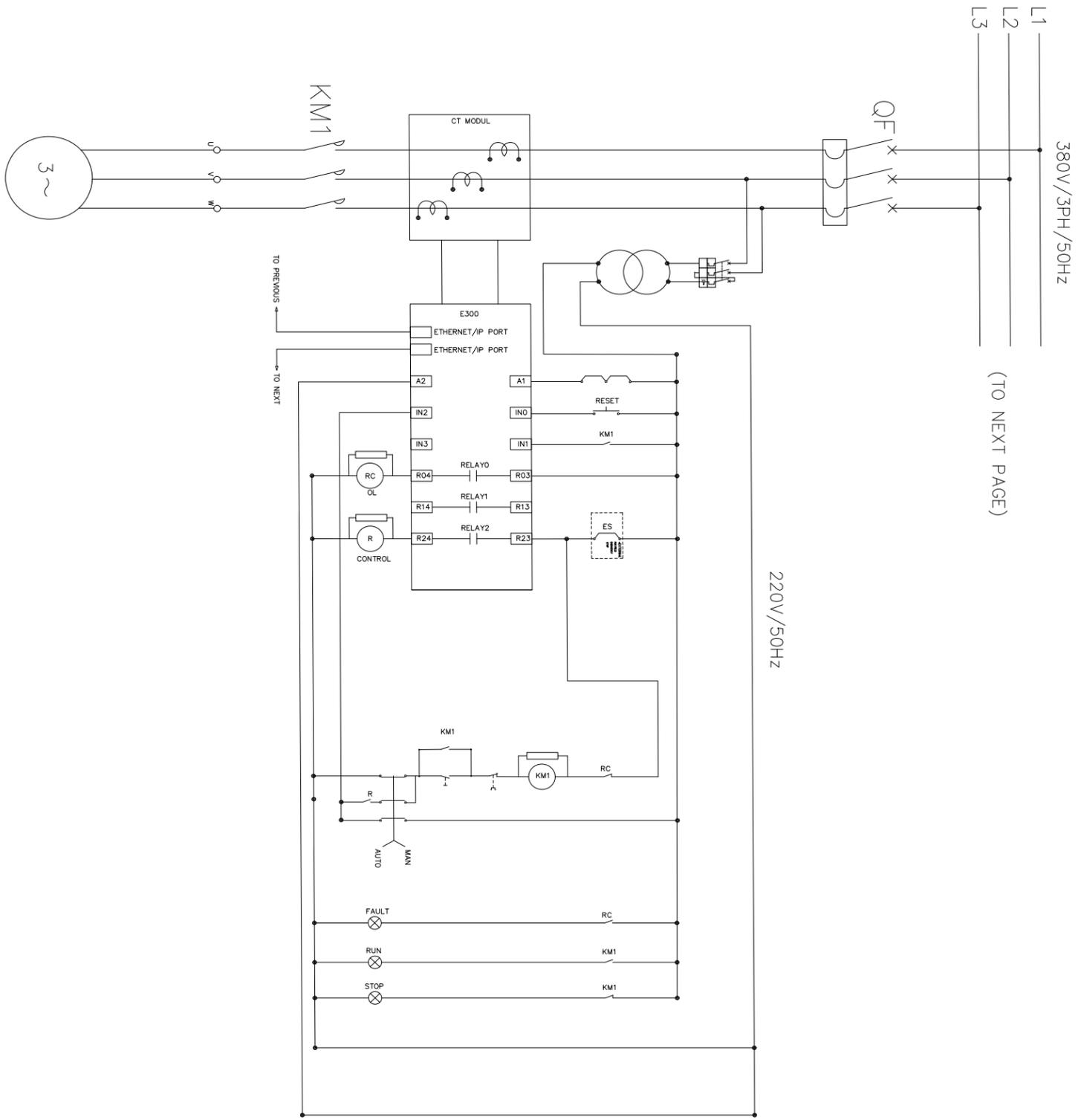


(TO NEXT PAGE)

220V/50Hz

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	DESIGN:	DATE	CLIENT:	DESCRIPTION:	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 19/24
		0	2020-07-29				F. BARIL	LAMKHOUKH	2020-05-03	RMG COPPER JSC	MOTOR CONTROL CENTER	C22006	000	DG	004
								LAMKHOUKH	2020-06-11	RMG MADNEULI EXISTING	BE001-WC003				
										PLANT UPGRADING PROJECT					
										BOLNISI - GEORGIA					

SPILLAGE PUMP
 ZF02-PU005-MA01



(TO NEXT PAGE)

220V/50HZ

380V/3PH/50HZ

L1
 L2
 L3

KM1

3~

CT MODUL

E300

ETHERNET/IP PORT

ETHERNET/IP PORT

RELAY0

RELAY1

RELAY2

KM1

RC

CONTROL

RC

KM1

KM1

RC

FAULT

RUN

STOP

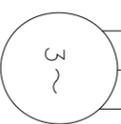
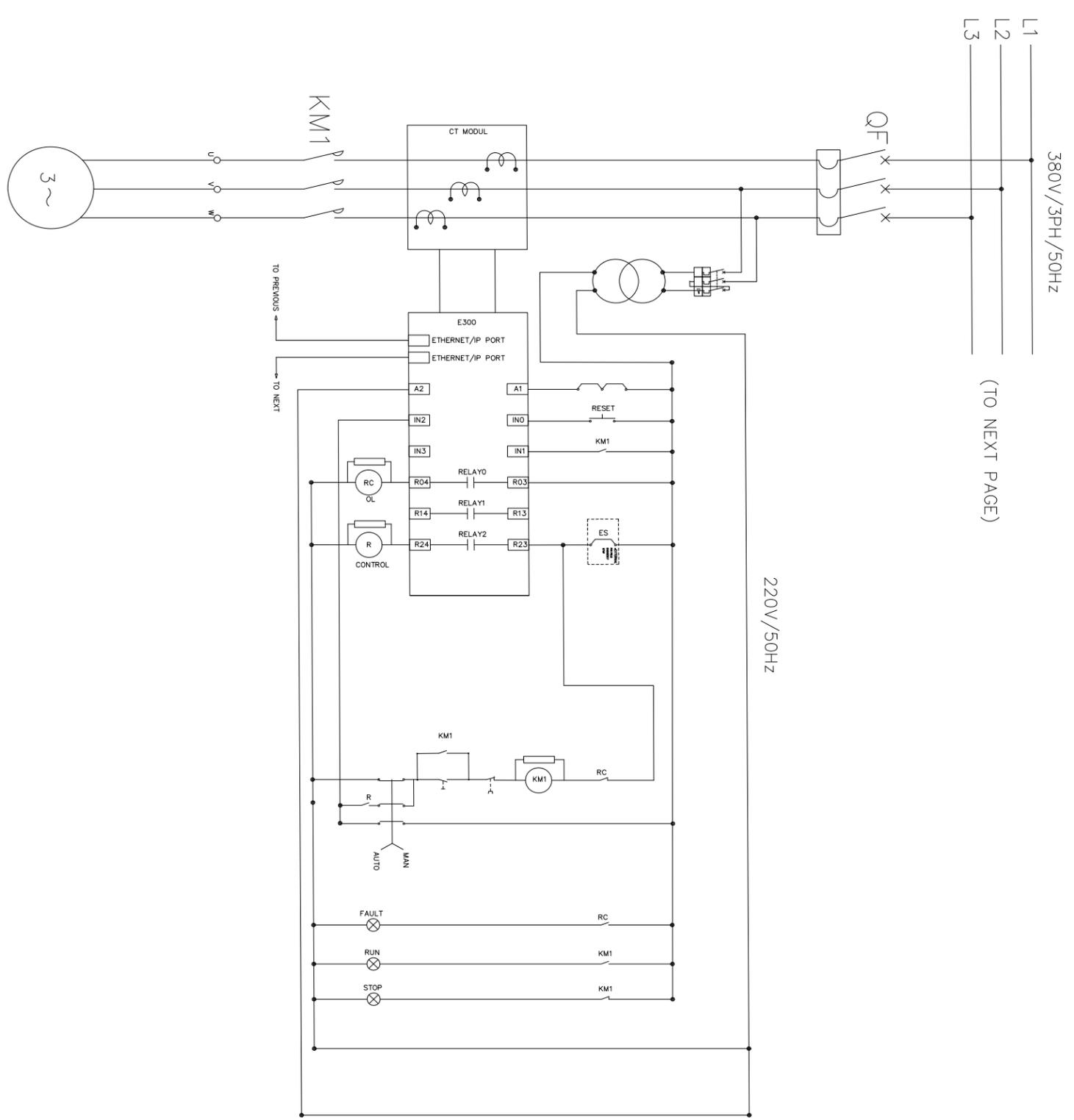
MAN/AUTO

TO PREVIOUS

TO NEXT

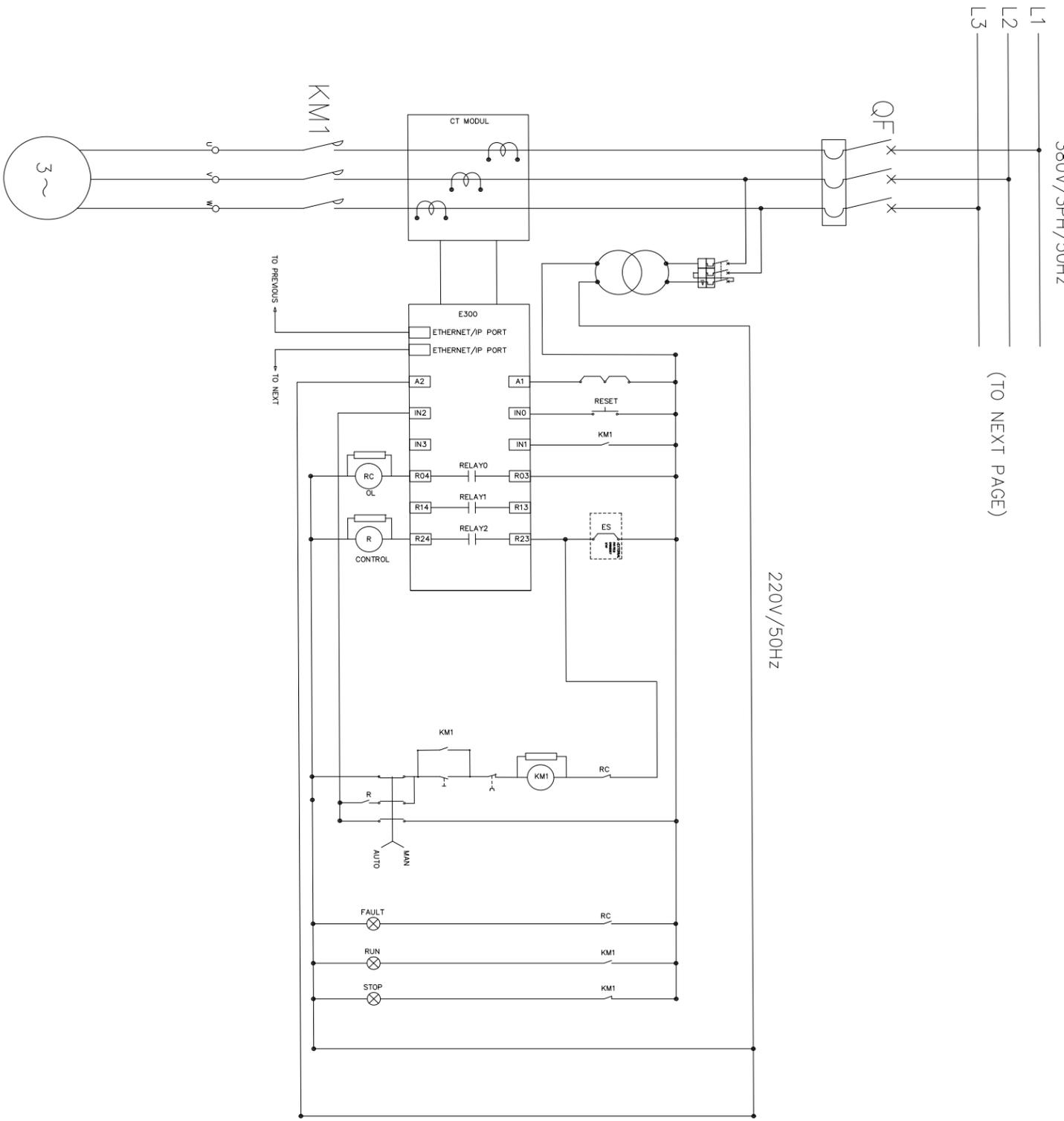
DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED: F. BARIL	2020-07-27	DESIGN: LAMKHOUKH	2020-05-03	<p>BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.</p>	CLIENT: RMG COPPER JSC	PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003	SCALE: NO. C22006 PROJECT	UNITS: mm	FORMAT: A1	PAGE: 21/24
REFERENCE DRAWINGS									DRAWN: LAMKHOUKH	2020-06-11								

SPILLAGE PUMP
 AA002-PU001-MA01



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec H3B 3J5, Canada Tél. 514-843-6565 Fax. 514-883-6508 www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003	
		0	2020-07-29			DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
						VERIFY:				SCALE: NO	C22006		UNITS: mm
						APPROVED:	F. BARIL	2020-07-27				FORMAT: A1	REV: 0

SPILLAGE PUMP
 AA002-PU002-MA01



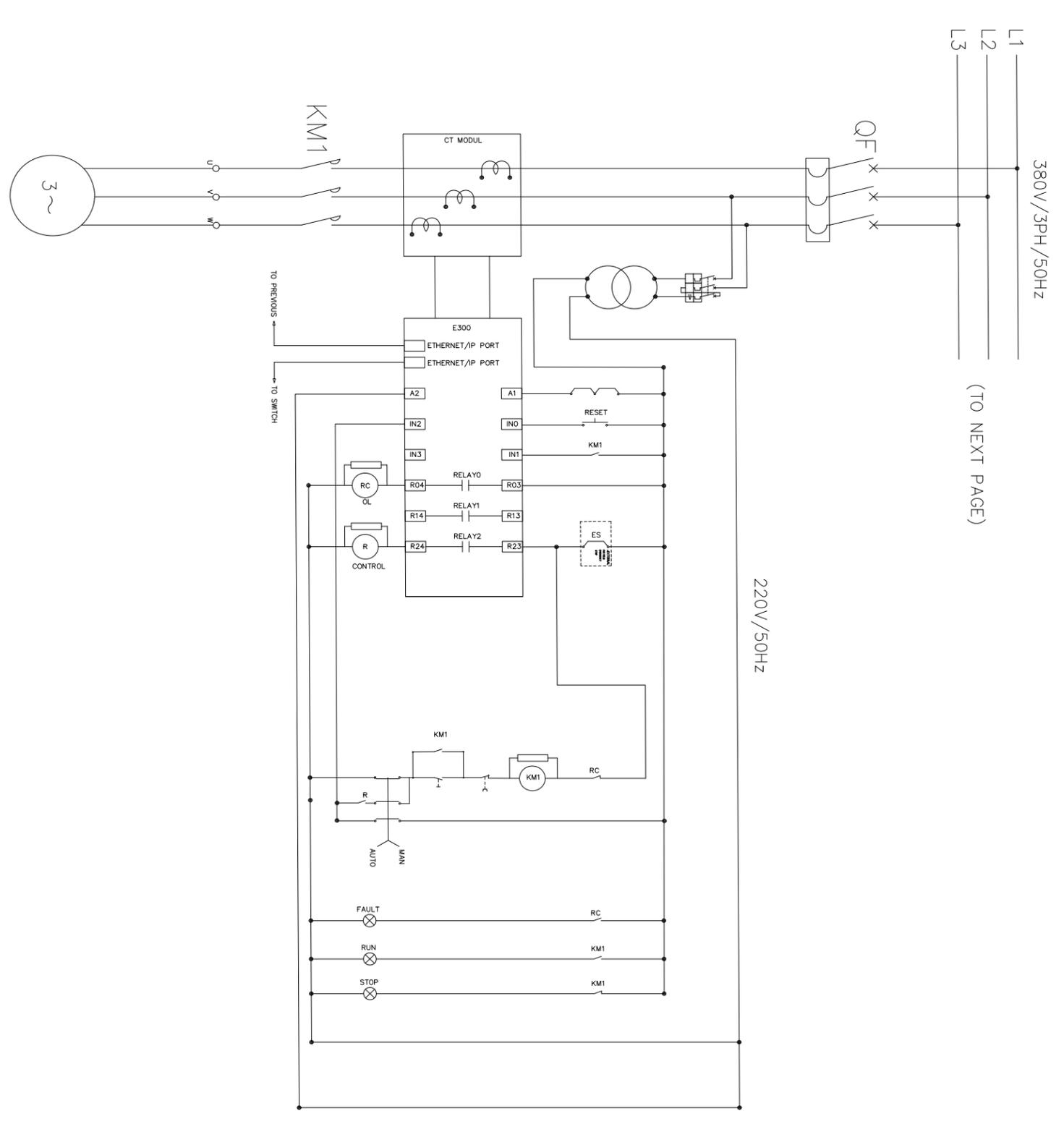
L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

220V/50HZ

TO PREVIOUS
 TO NEXT

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, Parfaite Harmonie O. Room 750 Montreal, Quebec H3B 3J5, Canada Tel. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003			
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA				
VERIFY:				SCALE: NO	C22006		UNITS: mm	000 - 06 - DG	004
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DATE	2020-07-29	REV	0	DESCRIPTION	ISSUED FOR BIDDING
BY				REFERENCE DRAWINGS					
DWG. NO.									

SPILLAGE PUMP
 AA001-PU003-MA01

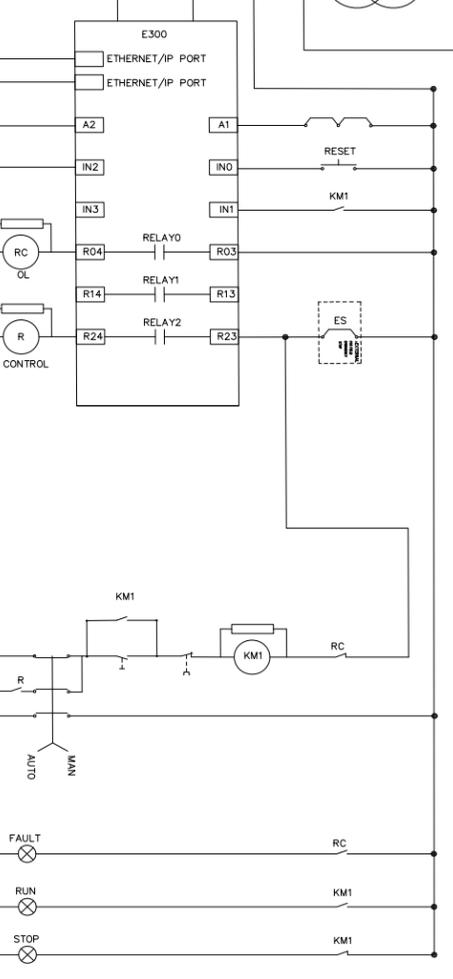


L1
 L2
 L3
 380V/3PH/50HZ
 (TO NEXT PAGE)

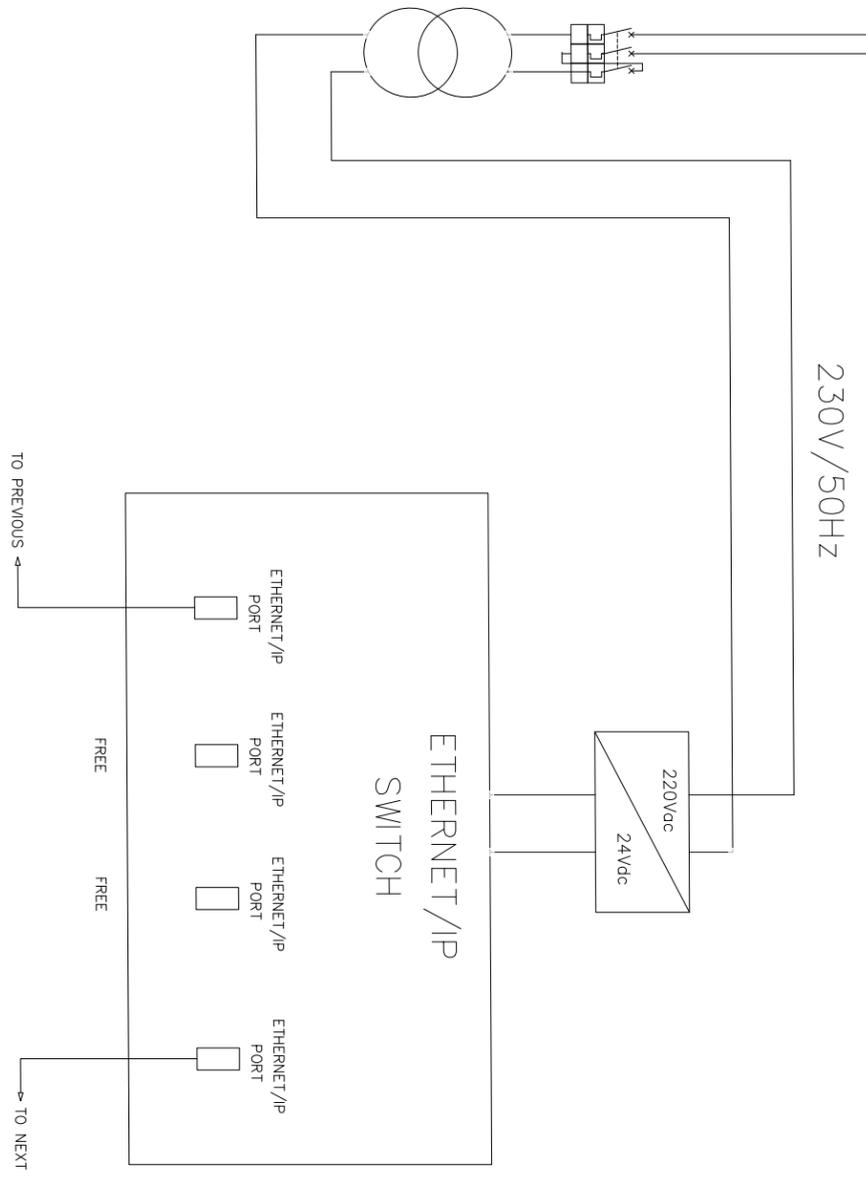
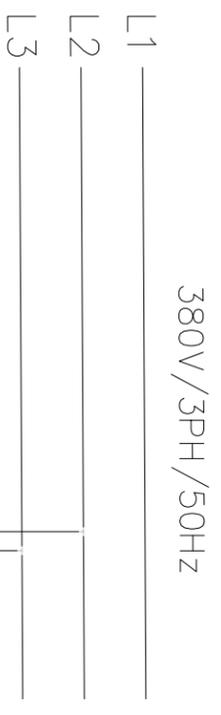
220V/50HZ

KM1
 TO PREVIOUS
 TO SWITCH

3~



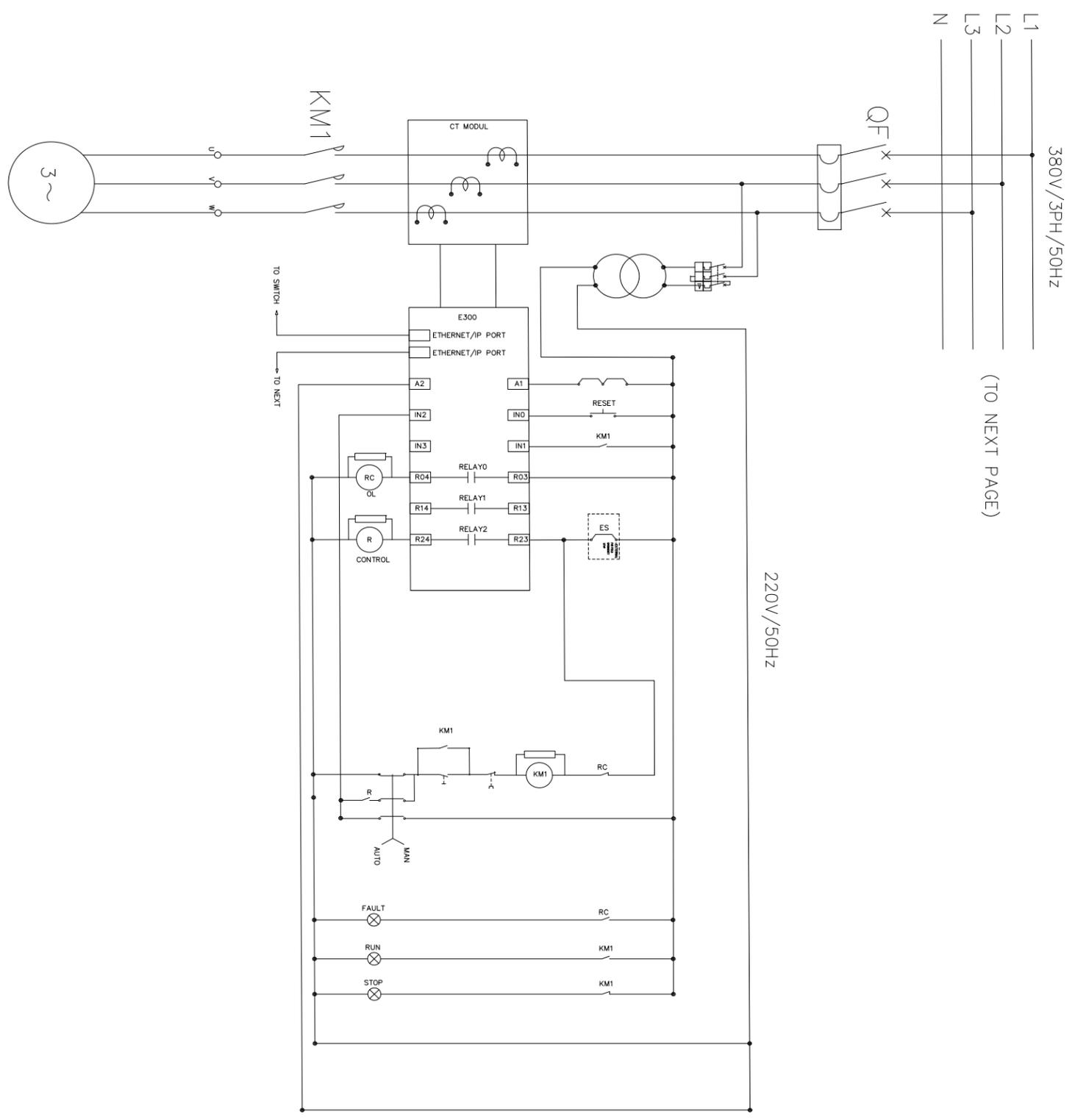
RC
 KM1
 KM1
 KM1
 FAULT
 RUN
 STOP



DESIGN:	L.AMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC003			
DRAWN:	L.AMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA				
VERIFIED:				SCALE: NO	C22006		UNITS: mm	DRAWING NO:	000 - 06 - DG 004
APPROVED:	F. BARIL	2020-07-27		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.			FORMAT:	A1	PAGE:
DESIGN:									
DATE:	2020-07-29	ISSUED FOR BIDDING							
DESCRIPTION:									
BY:									
REV:	0	2020-07-29	0	0	0	0	0	0	
REFERENCE DRAWINGS:									
DWG. NO.									

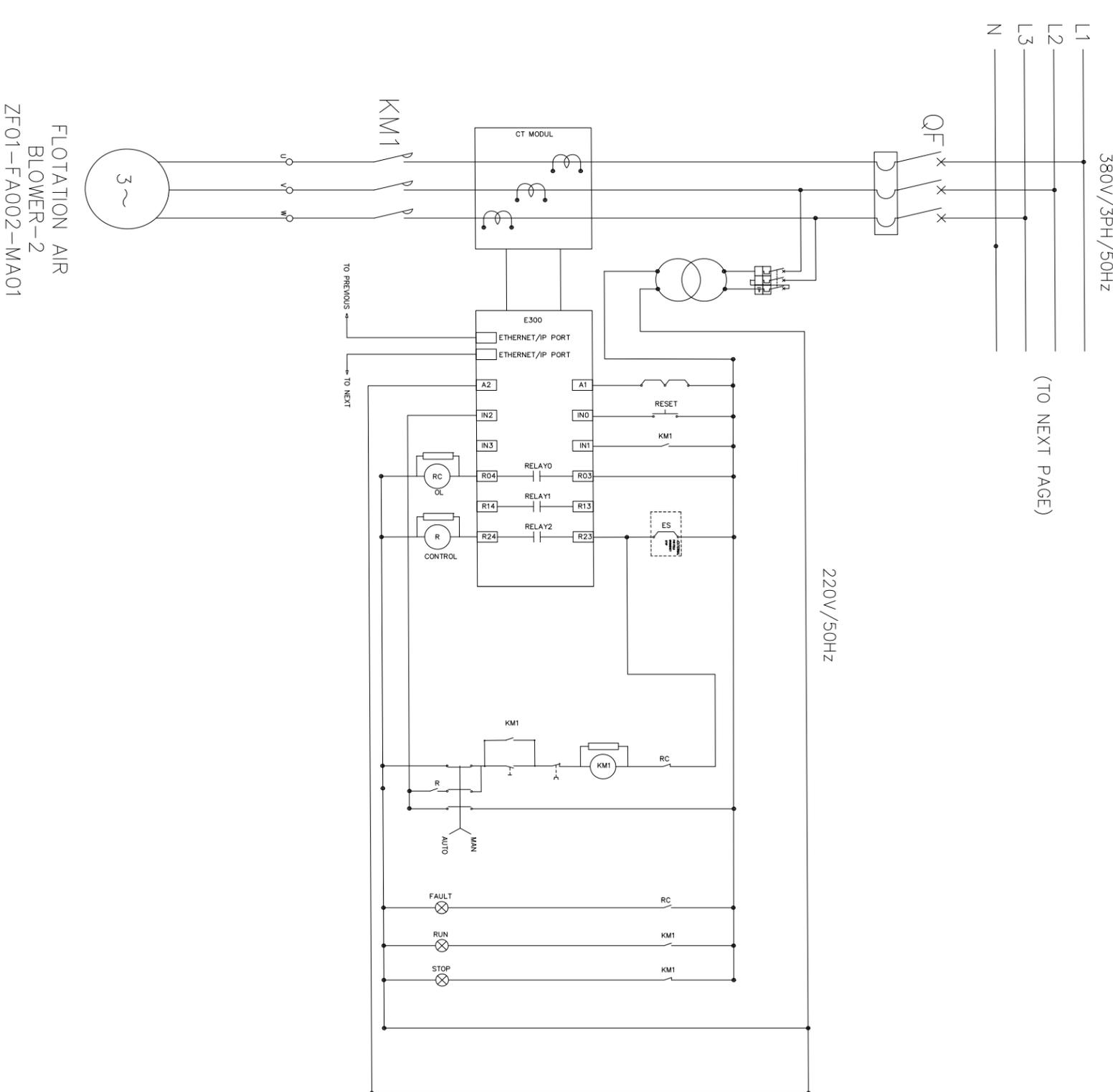
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED:	2020-07-27	BUMIGEME Mining, Geology and Metallurgy 615, Henri-Levasseur D. Room 750 Montreal, Quebec H3B 1P5, Canada Tel: 514-843-6585, Fax: 514-843-6506, www.bumigeme.com	CLIENT: RMG COPPER JSC PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004
0		2020-07-29				F. BARIL					

FLOTATION AIR
 BLOWER-1
 ZF01-FA001-MA01



(TO NEXT PAGE)

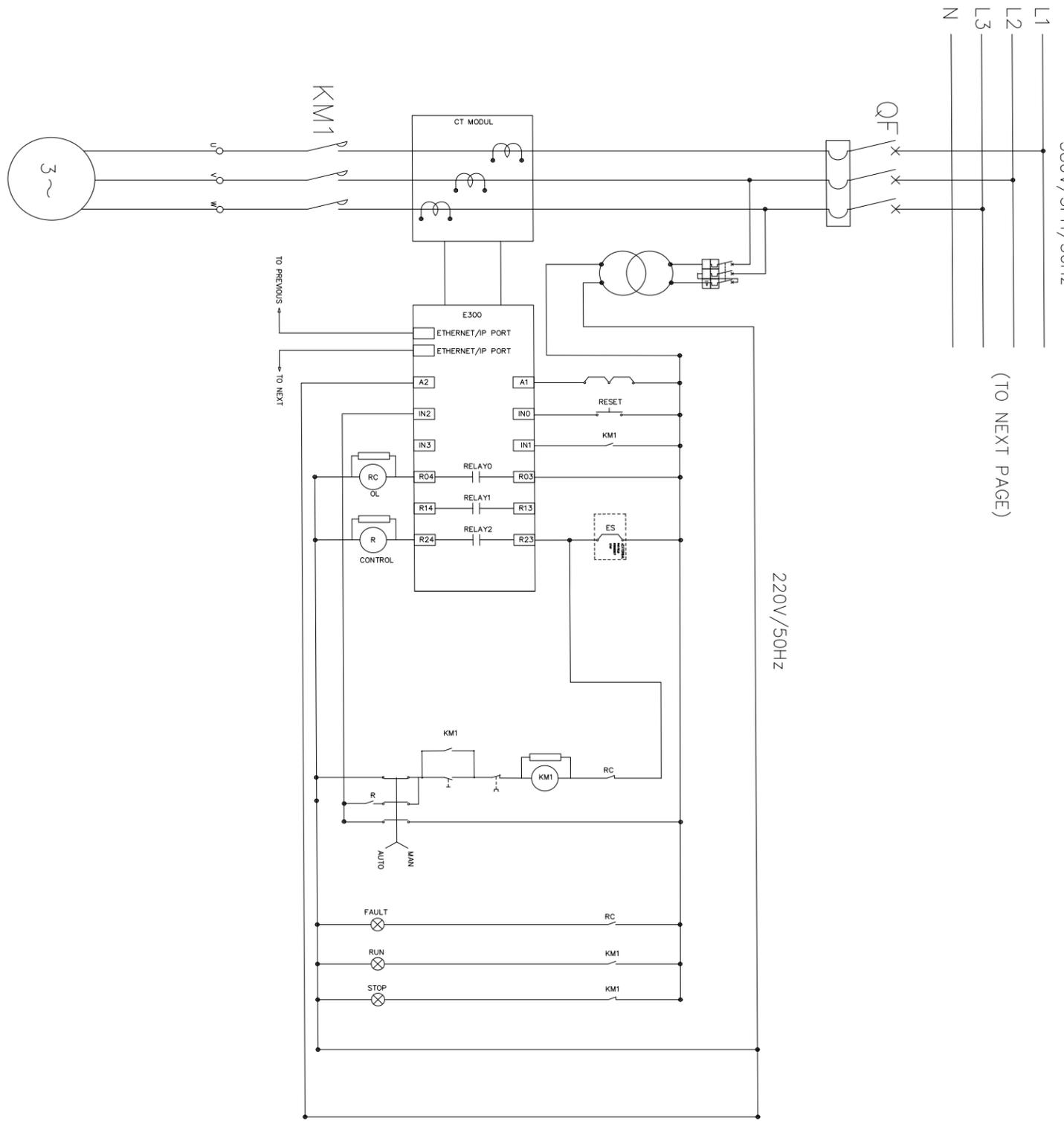
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6585, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004				
							DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA					
		0	2020-07-29				VERIFY:				SCALE: NO	C22006		DRAWING NO.:	000 - 06 - DG 005	UNITS: mm	FORMAT: A1
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.							



FLotation AIR
 BLOWER-2
 ZF01-FA002-MA01

DWG. NO.	0	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-07-29	ISSUED FOR BIDDING	APPROVED:	2020-07-27	<p>BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6585; Fax: 514-843-6508; www.bumigeme.com</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.</p>	<p>CLIENT: RMG COPPER JSC</p> <p>PROJECT: RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA</p>	<p>DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004</p>	
REFERENCE DRAWINGS	2020-07-29	ISSUED FOR BIDDING	F. BARIL	2020-07-27	DESIGN:	2020-05-03	DESIGN:	2020-05-03	DESIGN:	2020-05-03				
						DRAWN:	2020-06-11		LAMKHOUKH	2020-06-11				
						VERIFY:			LAMKHOUKH					

FLOTATION AIR
 BLOWER-3
 ZF01-FA002-MA01
 (Stand-by)



(TO NEXT PAGE)

220V/50Hz

380V/3PH/50Hz

L1
 L2
 L3
 N

TO PREVIOUS

TO NEXT

3~

KM1

QF

CT MODUL

E300

RELAY0

RELAY1

RELAY2

RC

R

ES

RESET

KM1

KM1

KM1

RC

FAULT

RUN

STOP

MAN

AUTO

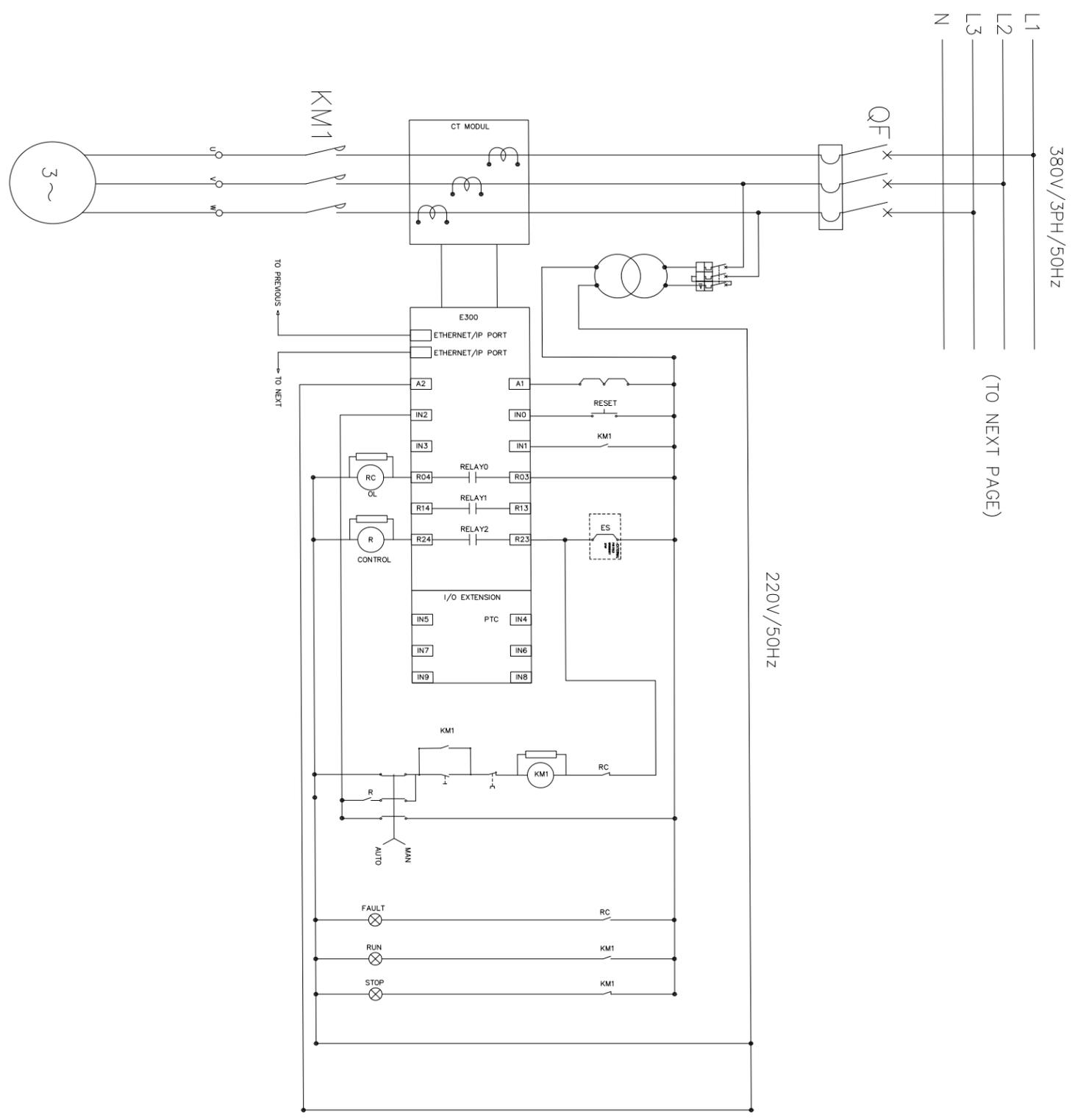
R

RC

KM1

DWG. NO.	0	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montreal, Quebec, H3B 1P5, Canada Tel: 514-843-6565; Fax: 514-843-6508; www.bumigeme.com	CLIENT:	RMG MADNEUILI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC004
REFERENCE DRAWINGS	0	2020-07-29	ISSUED FOR BIDDING	F. BARIL	DRAWN:	2020-06-11	PROJECT:					
					VERIFY:		SCALE: NO					
						APPROVED:	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.			UNITS: mm FORMAT: A1 PAGE: 5/37 DRAWING NO.: 000 - 06 - DG 005 0 AREA: DISC: TYPE: SEQ: REV:	

1ST CLEANER
 TANKCELL
 ZF02-FT001-MA01

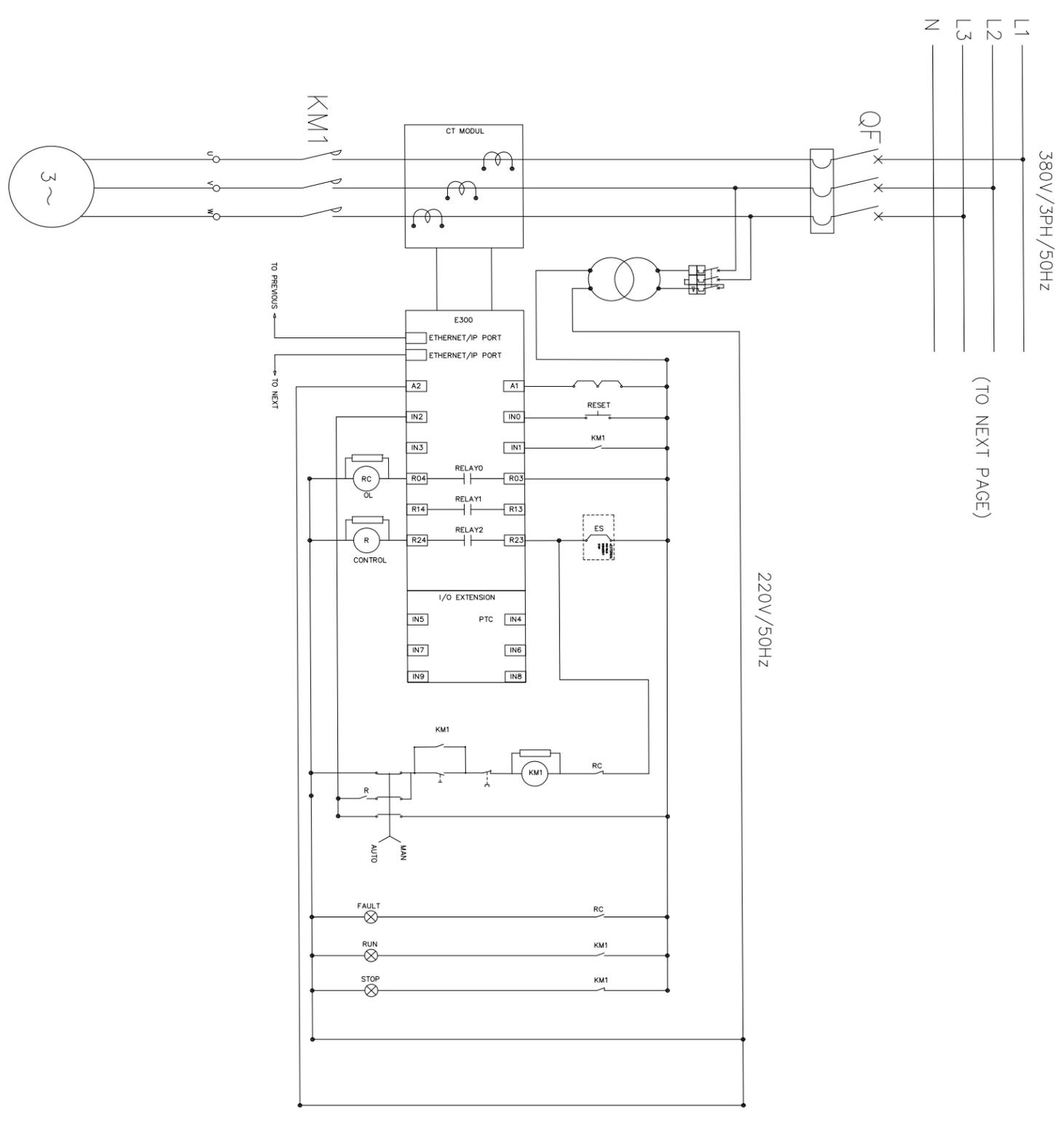


(TO NEXT PAGE)

220V/50HZ

DWG. NO.	0	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-07-29	ISSUED FOR BIDDING	APPROVED:	2020-07-27	<p>BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montreal, Quebec, H3B 1P5, Canada Tel: 514-843-6565; Fax: 514-843-6508; www.bumigeme.com</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.</p>
REFERENCE DRAWINGS						LAMKHOUKH	2020-05-03		F. BARIL	2020-07-27	
						LAMKHOUKH	2020-06-11				<p>CLIENT: RMG COPPER JSC</p> <p>PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA</p>
											<p>DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004</p>
											<p>SCALE: NO</p> <p>DRAWING NO.: 000 - 06 - DG - 005</p> <p>UNITS: mm</p> <p>AREA</p> <p>FORMAT: A1</p> <p>DISC. TYPE</p> <p>PAGE: 6/37</p> <p>REV. 0</p>

1ST CLEANER
 TANKCELL
 ZF02-FT002-MA01

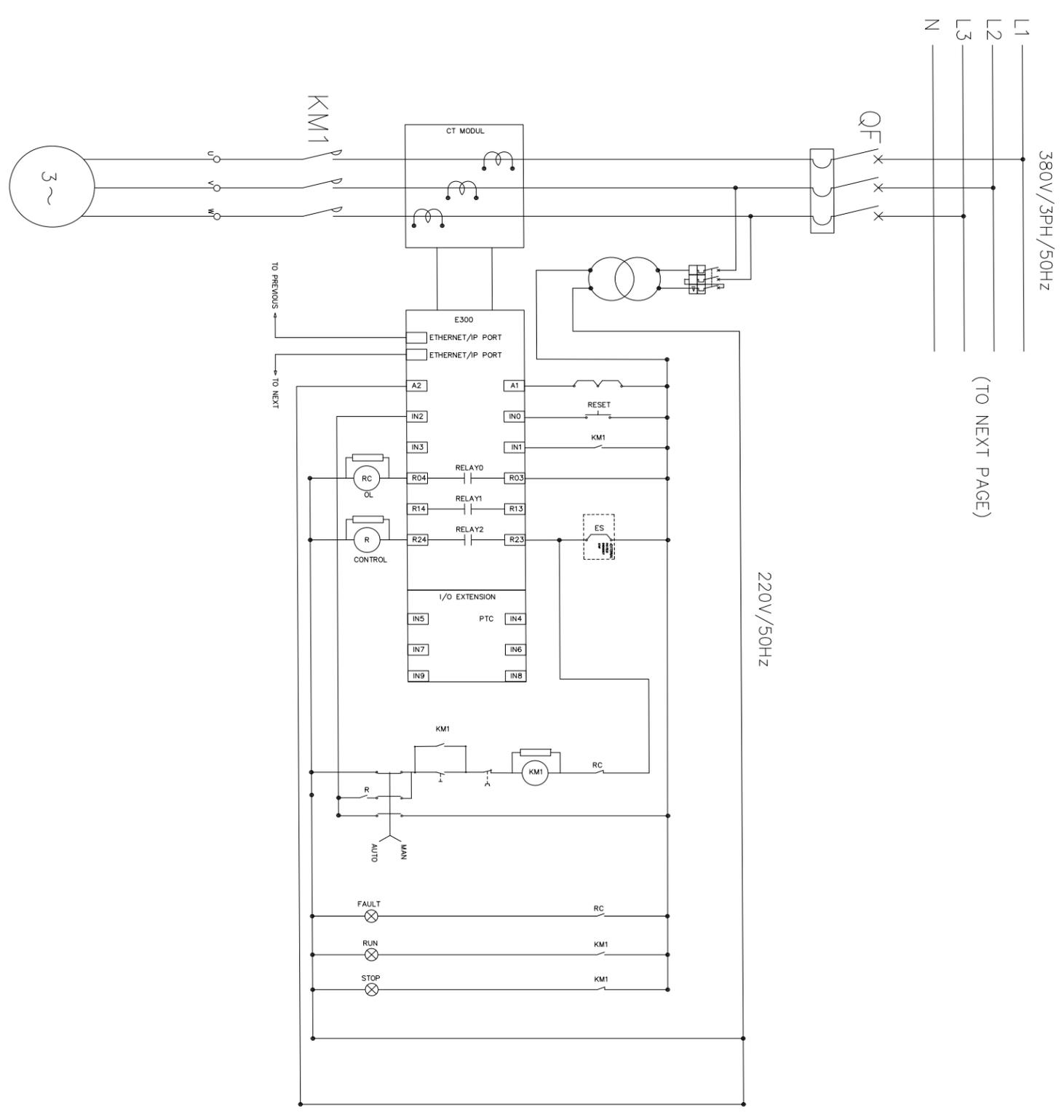


(TO NEXT PAGE)

220V/50HZ

DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED: F. BARIL	2020-07-27	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montreal, Quebec, H3B 1P5, Canada Tel: 514-843-6565; Fax: 514-843-6508; www.bumigeme.com	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004
DESIGN:	LAMKHOUKH	2020-05-03	DESIGN:	LAMKHOUKH	2020-06-11	VERIFY:	LAMKHOUKH	2020-06-11			
REFERENCE DRAWINGS									THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		SCALE: NO UNITS: mm DRAWING NO.: 000 - 06 - DG 005 AREA DISC. TYPE SEQ. REV.

1ST CLEANER
 TANKCELL
 ZF02-F003-MA01



(TO NEXT PAGE)

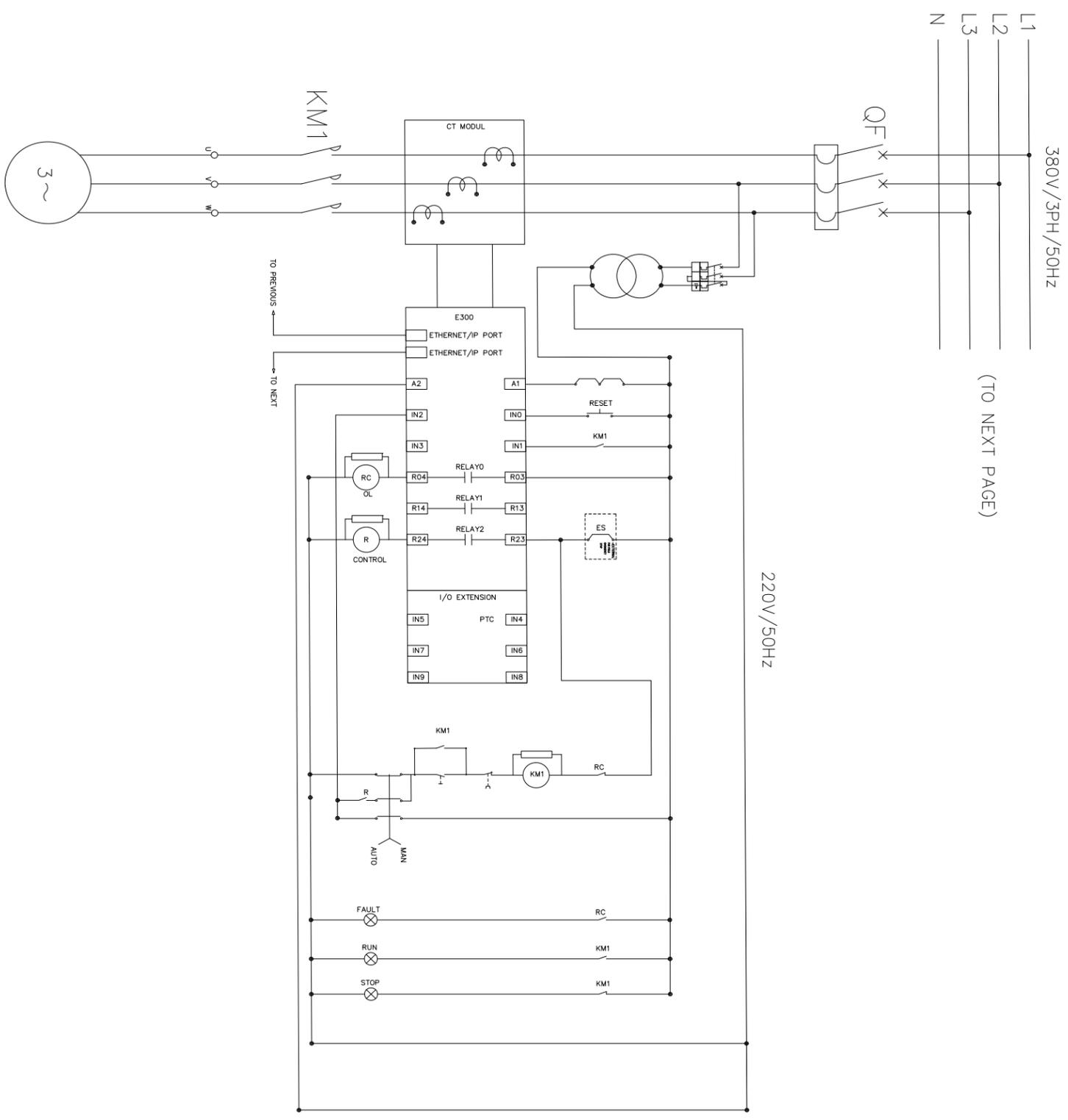
220V/50Hz

TO PREVIOUS

TO NEXT

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6555, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
							APPROVED:	F. BARIL	2020-07-27		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		

2ND CLEANER
 TANKCELL
 ZF03-FT001-MA01

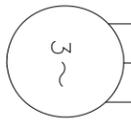


(TO NEXT PAGE)

220V/50HZ

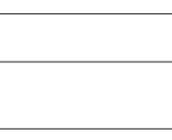
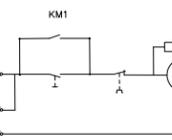
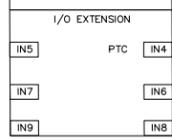
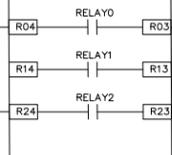
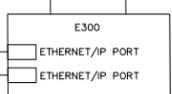
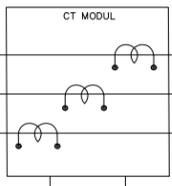
380V/3PH/50Hz

L1
 L2
 L3
 N



KM1

QF

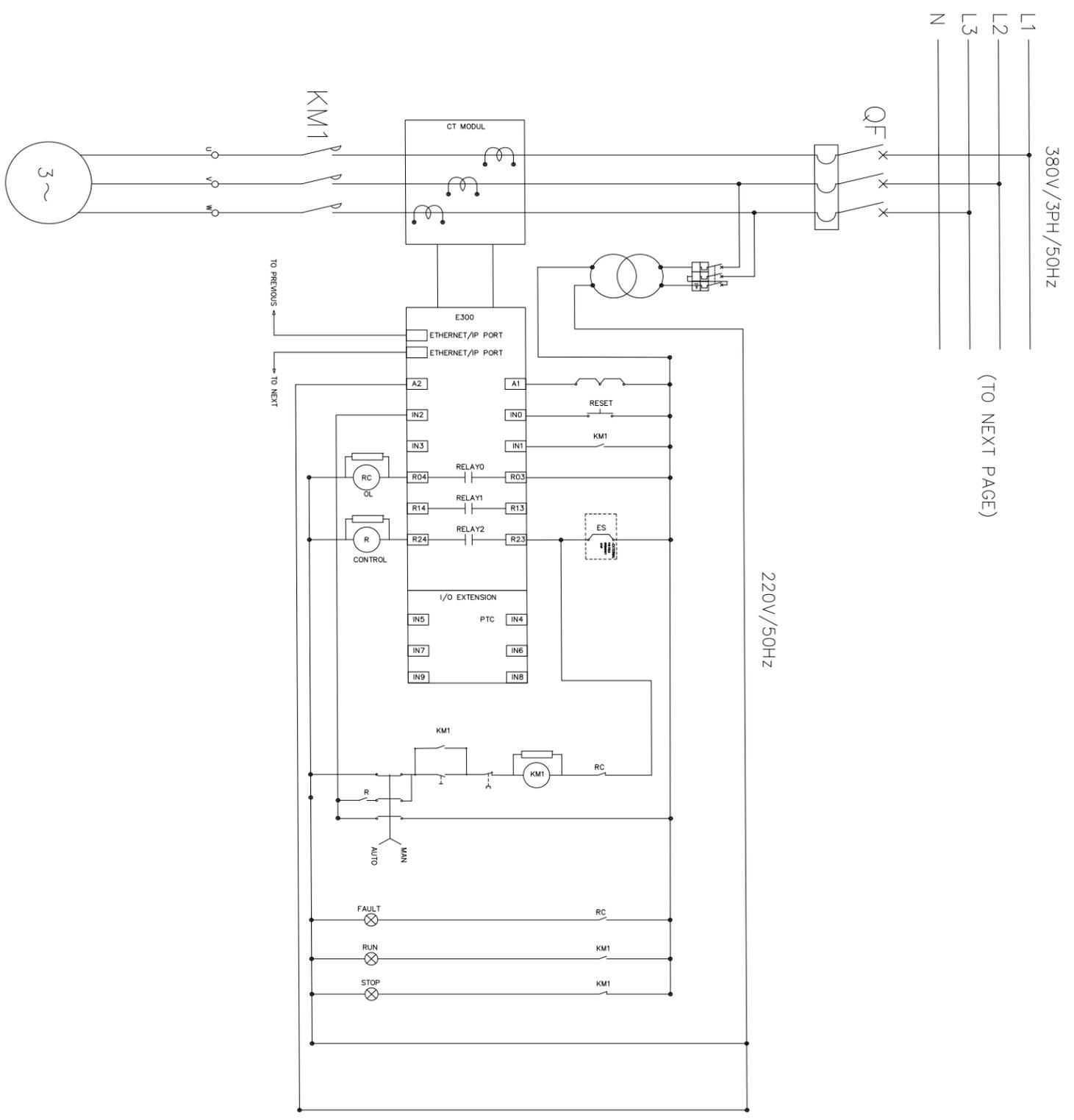


TO PREVIOUS

TO NEXT

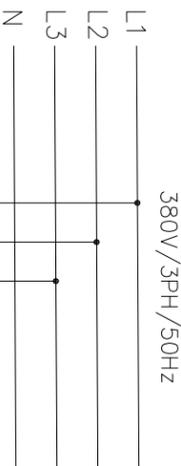
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6585, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004				
							DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA					
		0	2020-07-29				VERIFY:				SCALE: NO	C22006		DRAWING NO.:	000 - 06 - DG 005	UNITS: mm	FORMAT: A1
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.							

2ND CLEANER
 TANKCELL
 ZF03-FT002-MA01

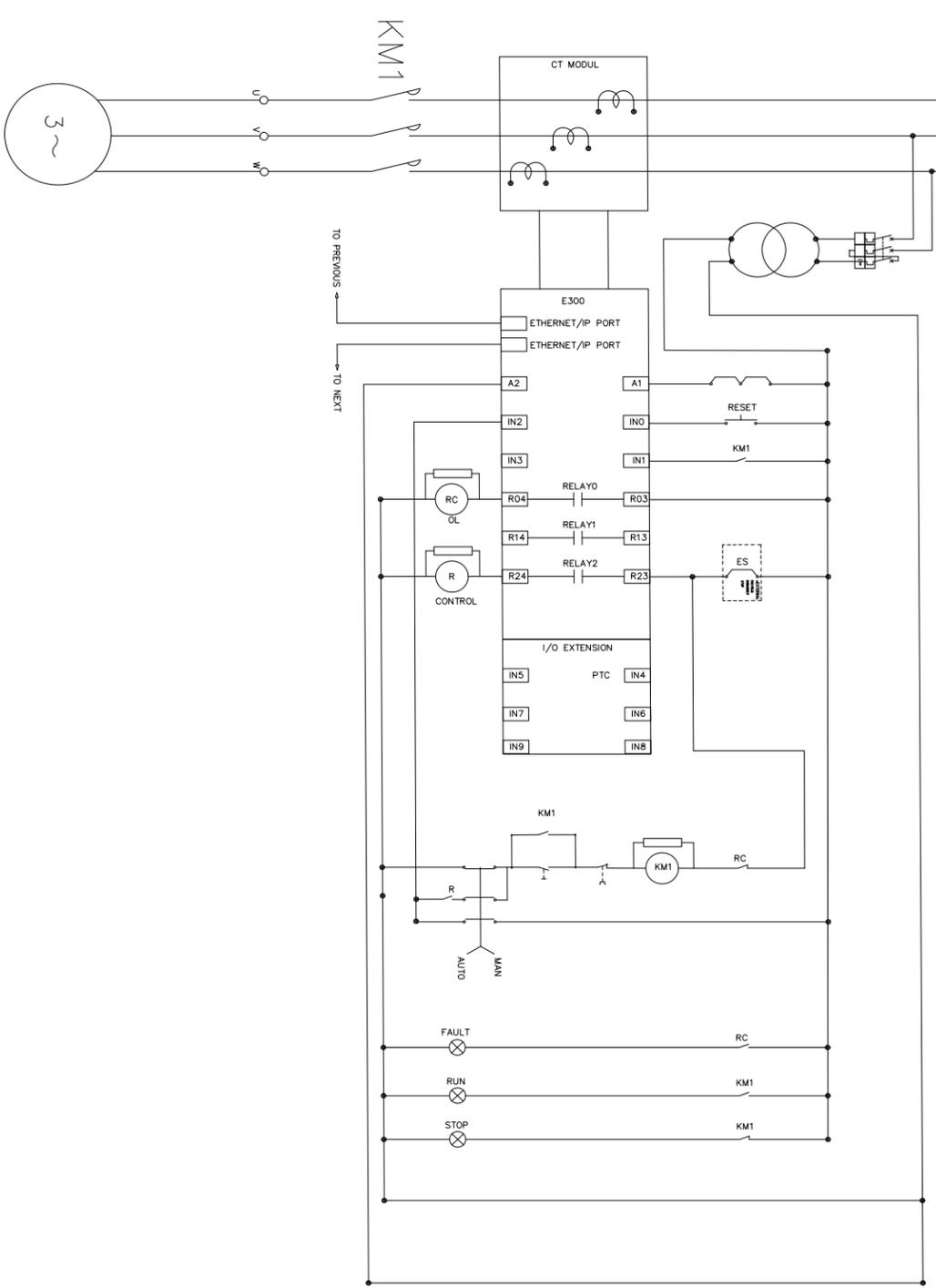


(TO NEXT PAGE)

220V/50HZ



(TO NEXT PAGE)

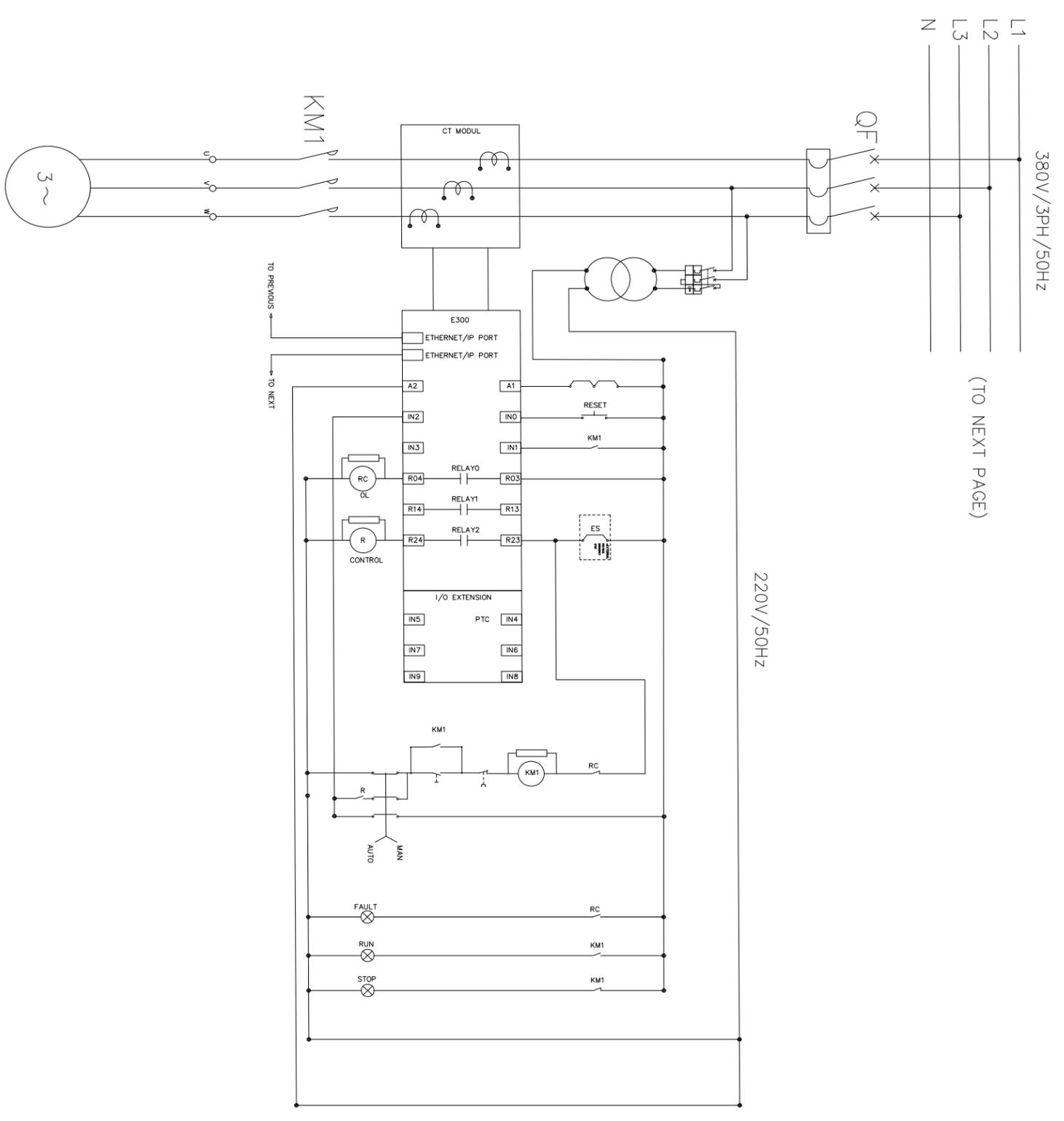


2ND CLEANER
 TANKCELL
 ZF03-FT003-MA01

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montreal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC004							
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	DRAWING NO.:	000 - 06 - DG 005					
							VERIFIED:				APPROVED:	F. BARIL	2020-07-27	PROJECT:	C22006	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montreal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004	SCALE: NO	C22006	UNITS: mm	000	FORMAT: A1	PAGE: 12/37
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		DRAWING NO.:	BE001-WC004	DISC. TYPE	DG	SEQ.	005
							VERIFY:												
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.									

3RD CLEANER
 TANKCELL
 ZF03-FT004-MA01

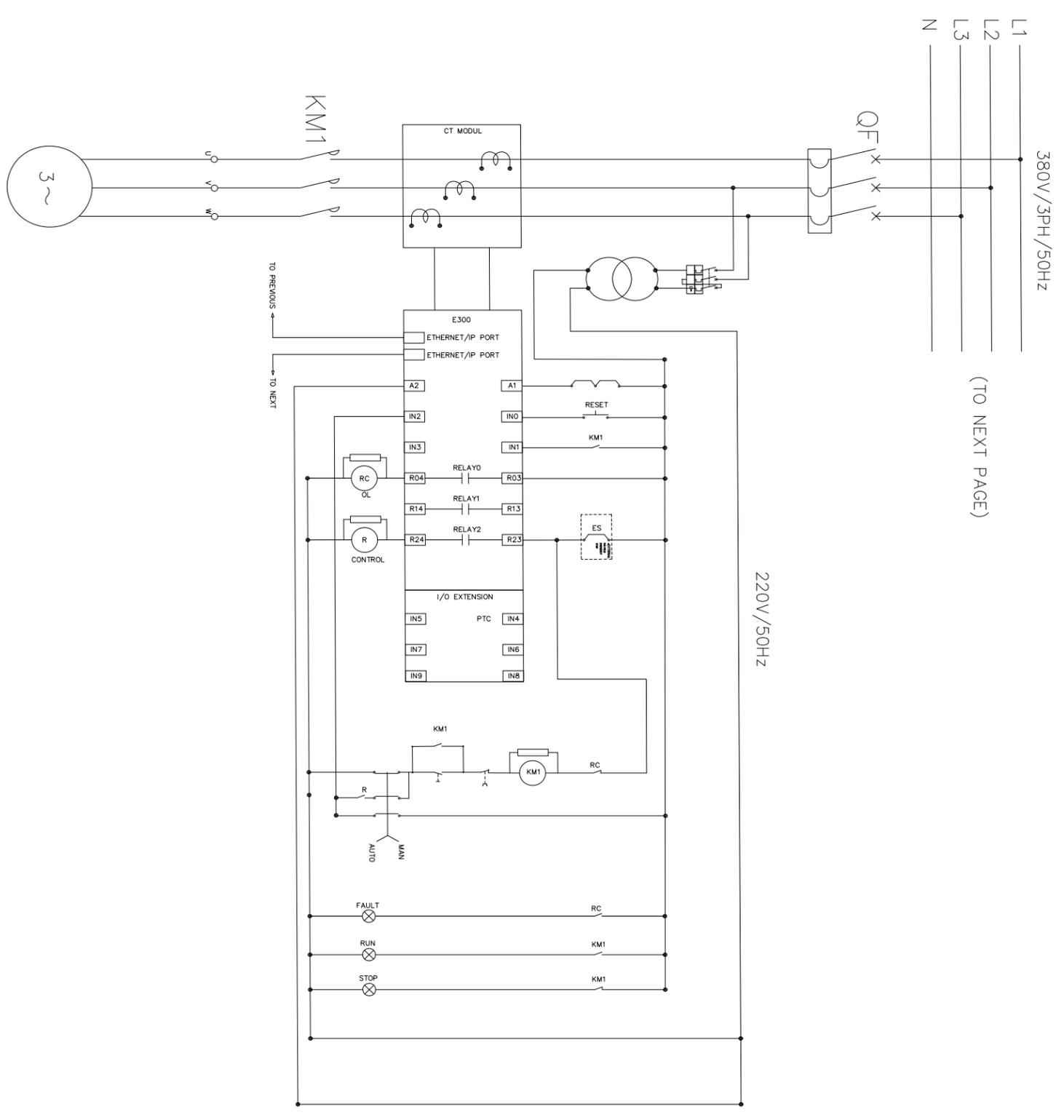


(TO NEXT PAGE)

220V/50HZ

DWG. NO.	0	DATE	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED: F. BARIL	DESIGN: L.AMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565; Fax: 514-843-6508; www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER		
REFERENCE DRAWINGS								DRAWN: L.AMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	DRAWING NO.:	000 - 06 - DG - 005
REV	0	DATE	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED: F. BARIL	VERIFY:					UNITS: mm	000	FORMAT: A1	PAGE: 13/37

3RD CLEANER
 TANKCELL
 ZF03-FT005-MA01



(TO NEXT PAGE)

220V/50HZ

380V/3PH/50HZ

L1
 L2
 L3
 N

KM1

3~

TO PREVIOUS

TO NEXT

RC

FAULT

RUN

STOP

KM1

KM1

KM1

RC

ES

RELAY1

RELAY2

R

RC

IN0

IN1

IN2

IN3

IN4

IN5

IN6

IN7

IN8

IN9

R03

R04

R13

R14

R23

R24

A1

A2

RESET

KM1

CT MODUL

E300

ETHERNET/IP PORT

ETHERNET/IP PORT

QF

L1

L2

L3

N

3~

TO PREVIOUS

TO NEXT

RC

FAULT

RUN

STOP

KM1

KM1

KM1

RC

ES

RELAY1

RELAY2

R

RC

IN0

IN1

IN2

IN3

IN4

IN5

IN6

IN7

IN8

IN9

R03

R04

R13

R14

R23

R24

A1

A2

RESET

KM1

CT MODUL

E300

ETHERNET/IP PORT

ETHERNET/IP PORT

QF

L1

L2

L3

N

3~

TO PREVIOUS

TO NEXT

RC

FAULT

RUN

STOP

KM1

KM1

KM1

RC

ES

RELAY1

RELAY2

R

RC

IN0

IN1

IN2

IN3

IN4

IN5

IN6

IN7

IN8

IN9

R03

R04

R13

R14

R23

R24

A1

A2

RESET

KM1

CT MODUL

E300

ETHERNET/IP PORT

ETHERNET/IP PORT

QF

L1

L2

L3

N

3~

TO PREVIOUS

TO NEXT

RC

FAULT

RUN

STOP

KM1

KM1

KM1

RC

ES

RELAY1

RELAY2

R

RC

IN0

IN1

IN2

IN3

IN4

IN5

IN6

IN7

IN8

IN9

R03

R04

R13

R14

R23

R24

A1

A2

RESET

KM1

CT MODUL

E300

ETHERNET/IP PORT

ETHERNET/IP PORT

QF

L1

L2

L3

N

3~

TO PREVIOUS

TO NEXT

RC

FAULT

RUN

STOP

KM1

KM1

KM1

RC

ES

RELAY1

RELAY2

R

RC

IN0

IN1

IN2

IN3

IN4

IN5

IN6

IN7

IN8

IN9

R03

R04

R13

R14

R23

R24

A1

A2

RESET

KM1

CT MODUL

E300

ETHERNET/IP PORT

ETHERNET/IP PORT

QF

L1

L2

L3

N

3~

TO PREVIOUS

TO NEXT

RC

FAULT

RUN

STOP

KM1

KM1

KM1

RC

ES

RELAY1

RELAY2

R

RC

IN0

IN1

IN2

IN3

IN4

IN5

IN6

IN7

IN8

IN9

R03

R04

R13

R14

R23

R24

A1

A2

RESET

KM1

CT MODUL

E300

ETHERNET/IP PORT

ETHERNET/IP PORT

QF

L1

L2

L3

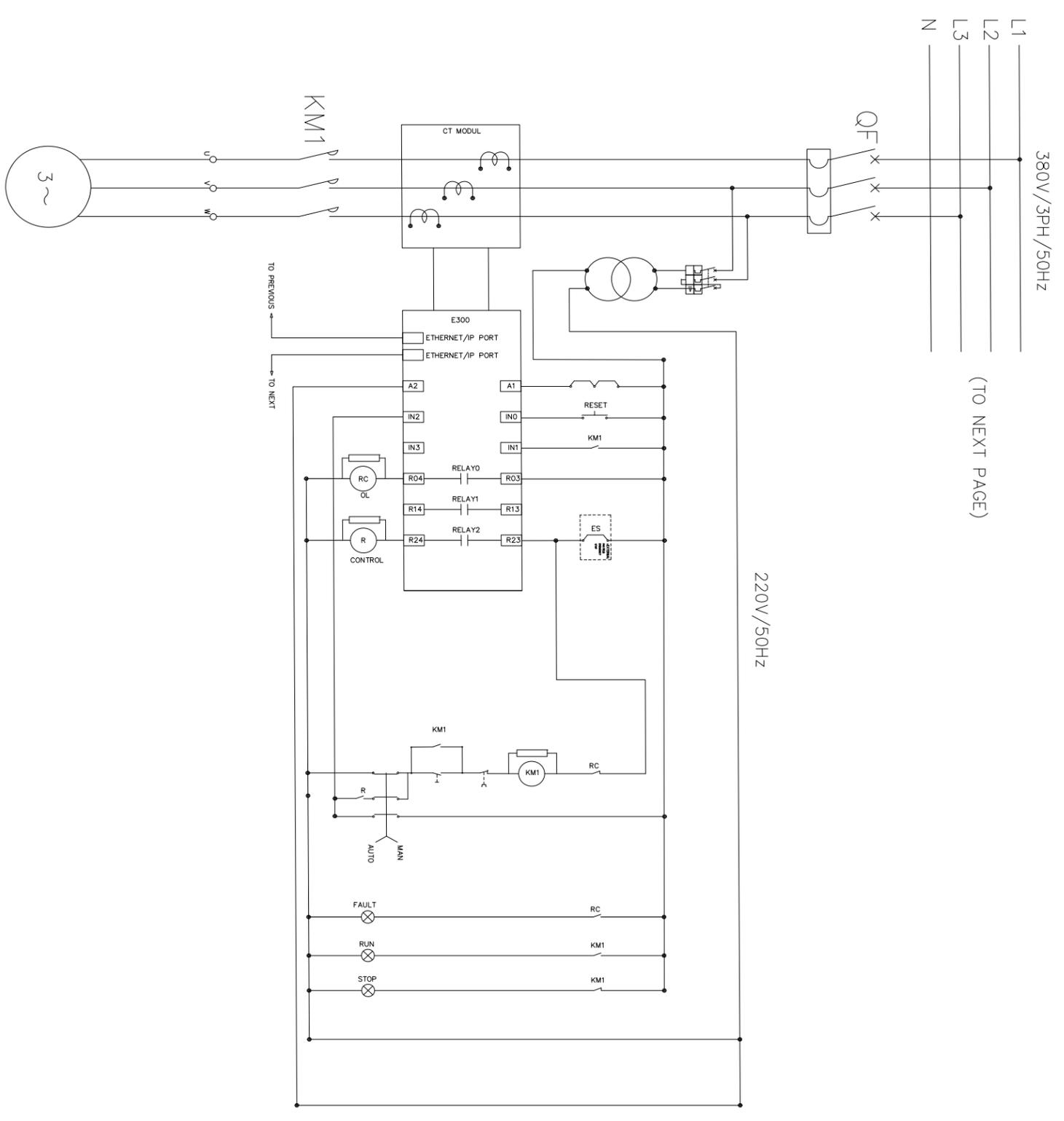
N

3~

TO PREVIOUS

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER						
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	PROJECT					
							VERIFY:				APPROVED:	F. BARIL	2020-07-27	UNITS: mm	000	AREA				
													FORMAT: A1	06	DISC.	DG	TYPE	005	PAGE: 14/37	
																			0	REV.

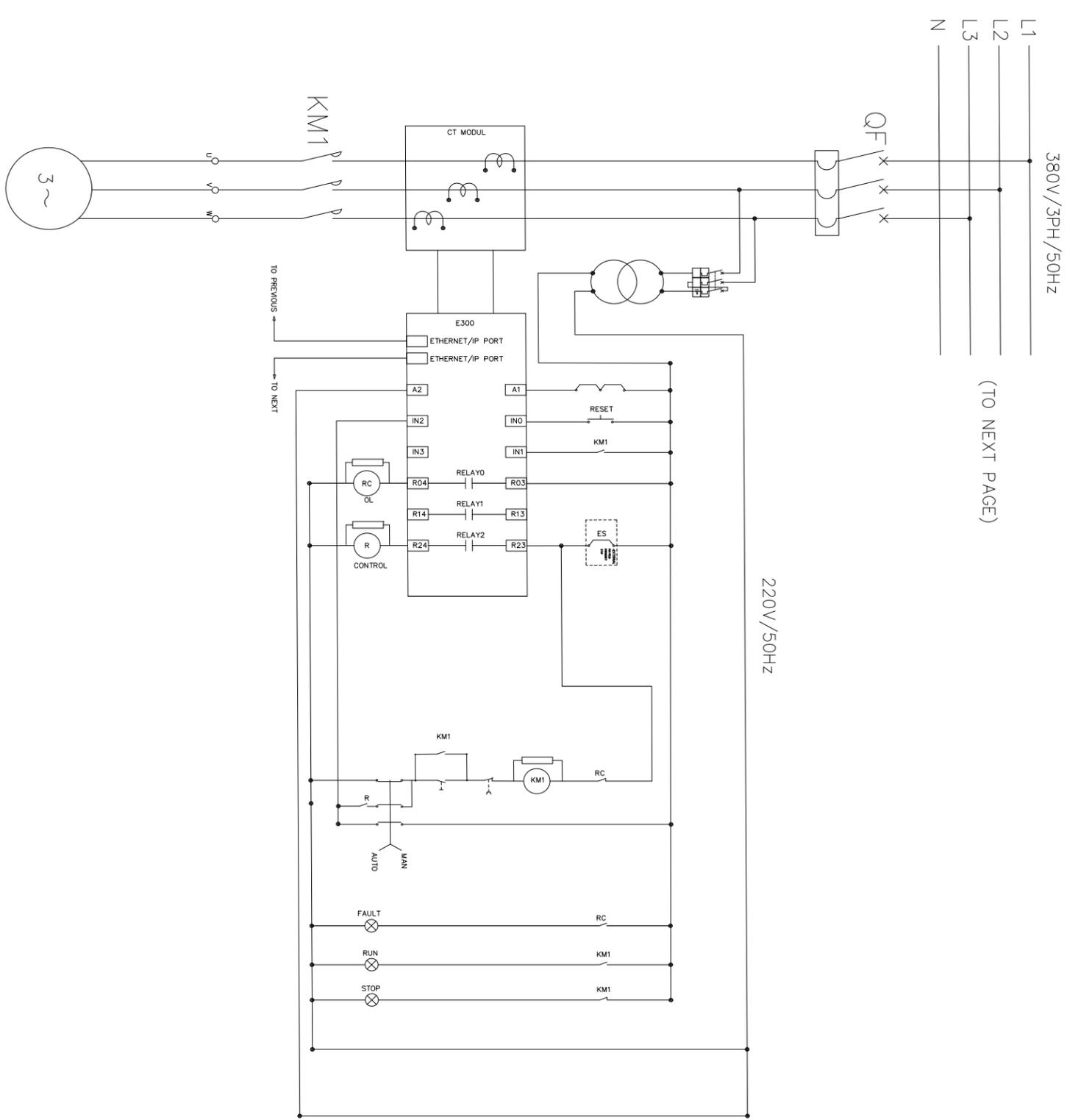
LIME MILK
 DISTRIBUTION
 TANK AGITATOR
 AA01-M1001-MA01



SCALE: NO	C22006	PROJECT
UNITS: mm	000	AREA
FORMAT: A1	06	DISC.
PAGE: 14/37	005	SEQ.
	0	REV.

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER	
							DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	PROJECT
							VERIFY:						UNITS: mm	000	AREA
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.			FORMAT: A1	005	PAGE: 16/37

SAMPLE PUMP
 FOR ROUGHER
 CONCENTRATE
 ZF01 - PU - 012

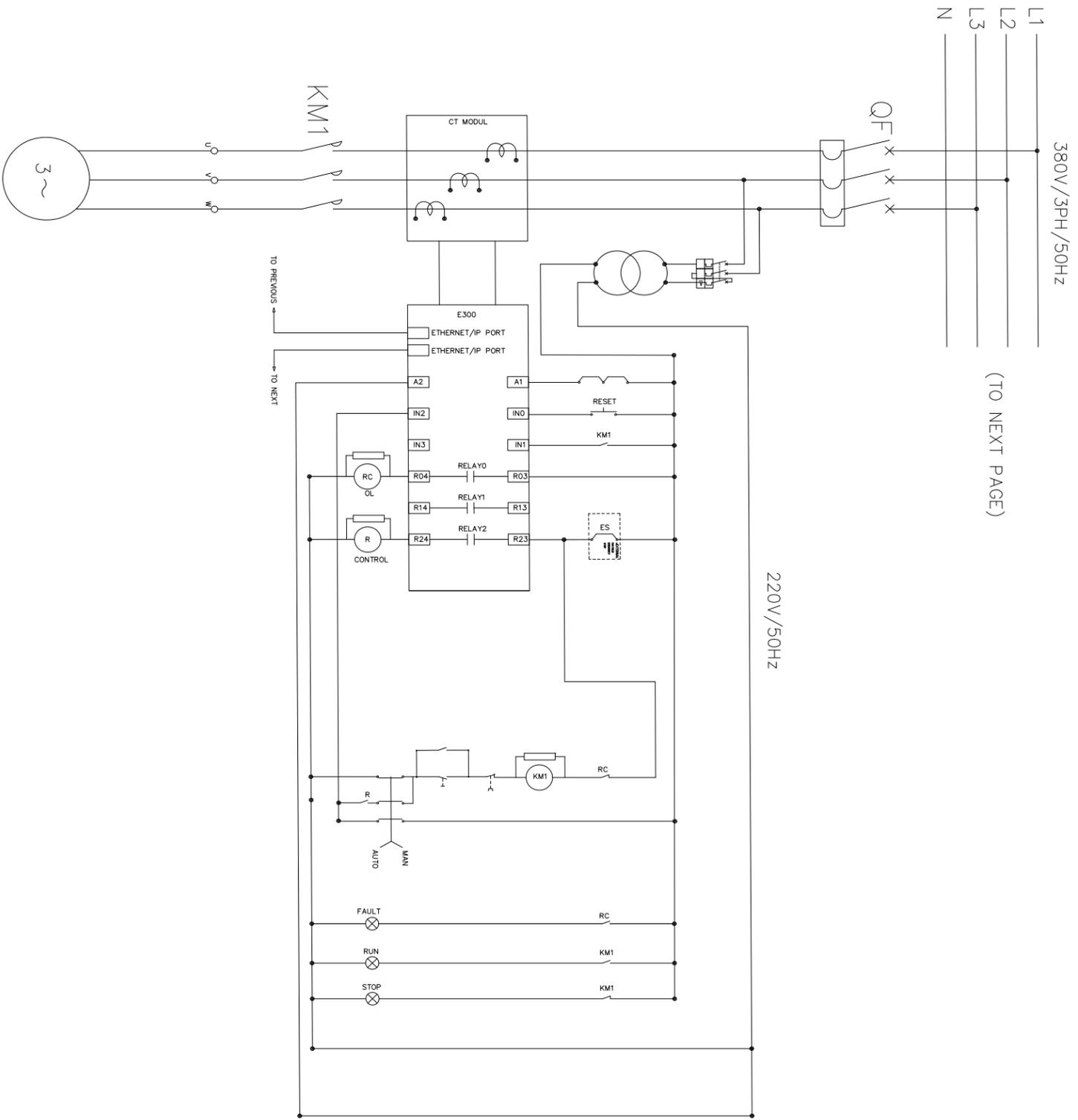


(TO NEXT PAGE)

220V/50HZ

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy CTS, Boulevard de l'Énergie, 350 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004		
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
							VERIFY:				SCALE: NO	C22006		UNITS: mm	000
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.			DRAWING NO.: BE001-WC004	DISC. TYPE: DG SKD. TYPE: 005 REV. NO.: 0	

SAMPLE PUMP
 FOR SCAVENGER
 CONCENTRATE
 ZF01-PU-014



(TO NEXT PAGE)

220V/50HZ

380V/3PH/50HZ

L1
 L2
 L3
 N

QF

KM1

3~

TO PREVIOUS

TO NEXT

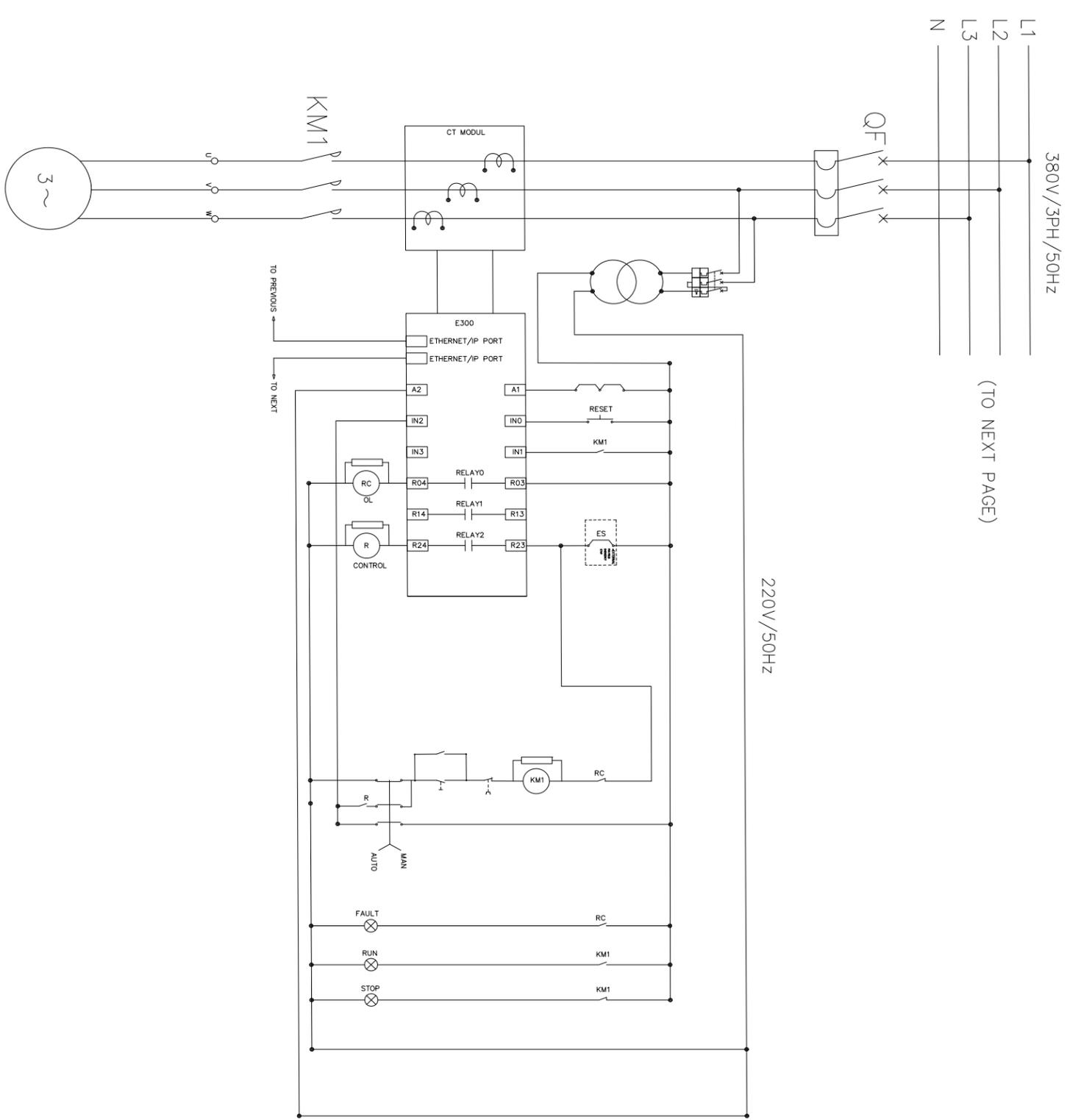
MAN
 AUTO

FAULT
 RUN
 STOP

RC
 KM1
 KM1

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6585, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004				
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA					
							VERIFY:				SCALE: NO	C22006		DRAWING NO.:	000 - 06 - DG 005	UNITS: mm	FORMAT: A1
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.							

SAMPLE PUMP
 FOR FINAL
 TAILINGS
 ZF01-PU-100

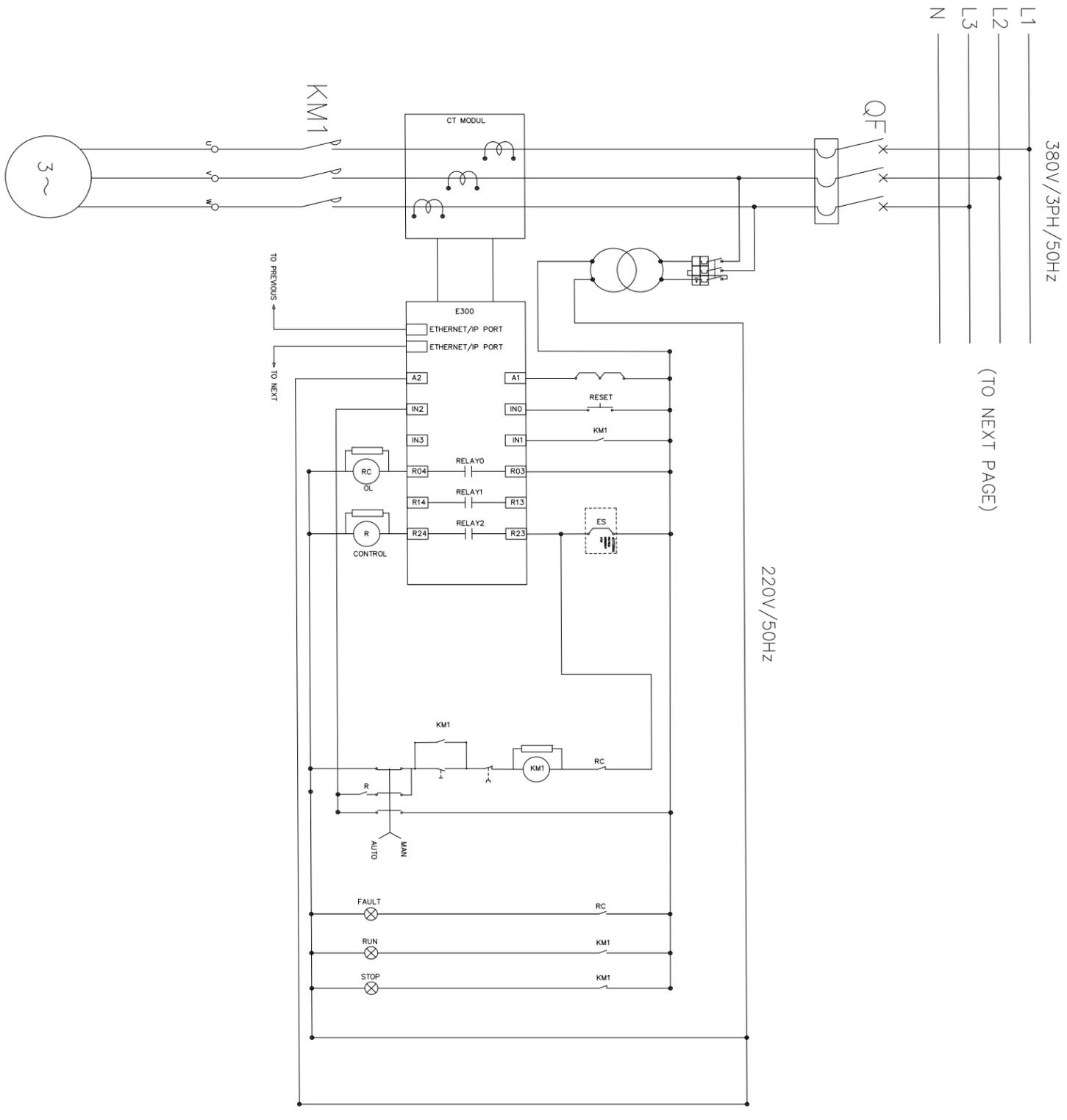


(TO NEXT PAGE)

220V/50HZ

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004				
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA					
							VERIFY:				SCALE: NO	C22006		DRAWING NO.:	000 - 06 - DG 005	UNITS: mm	FORMAT: A1
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.							

SAMPLES
 RETURN PUMP
 BA01-PU-003



(TO NEXT PAGE)

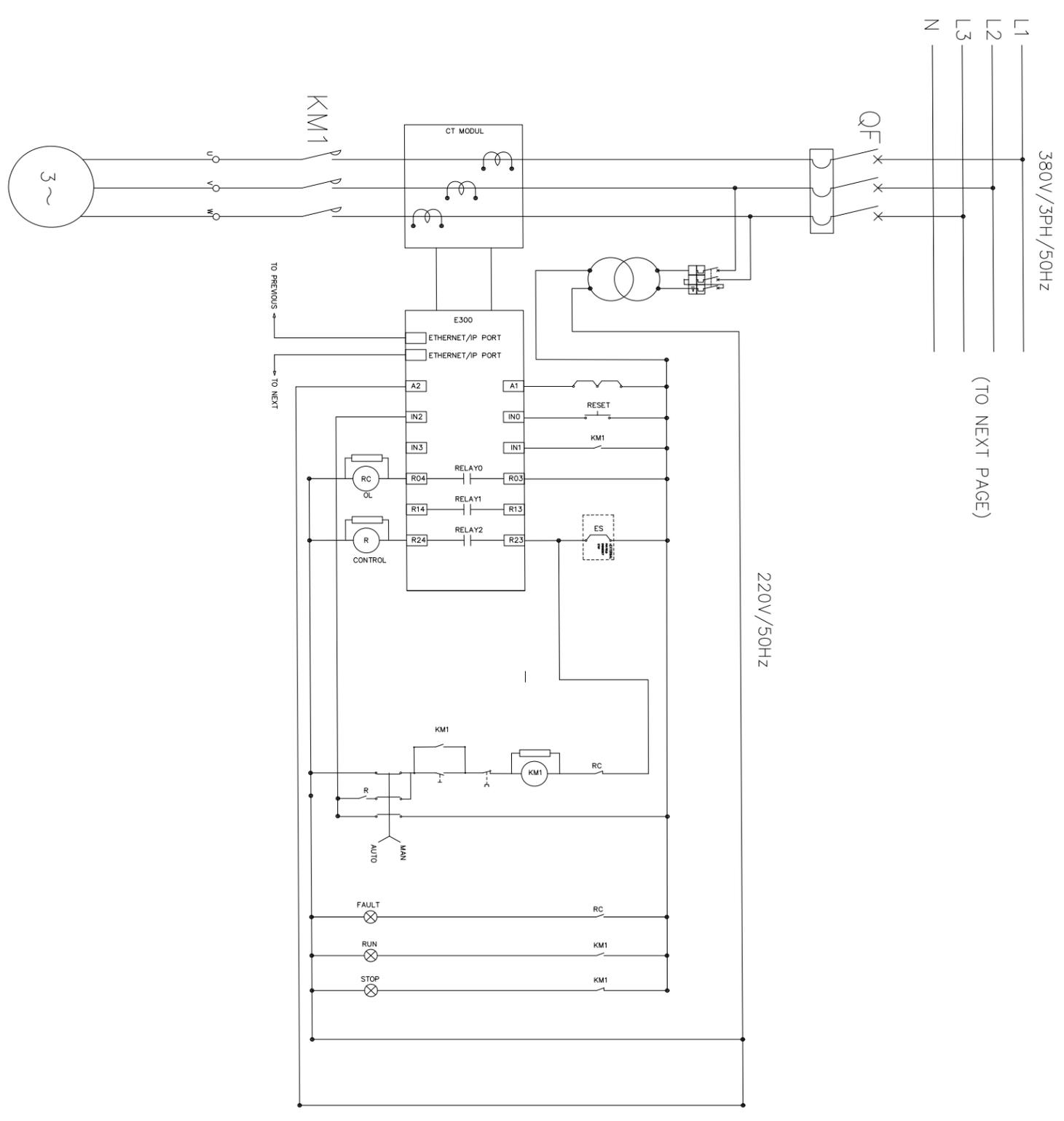
220V/50HZ

380V/3PH/50HZ

L1
 L2
 L3
 N

DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN: LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER	
REFERENCE DRAWINGS		DATE				DRAWN: LAMKHOUKH	2020-06-11	PROJECT:				SCALE: NO	C22006	
						VERIFY:						UNITS: mm	000	FORMAT: A1
						APPROVED: F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.						

SAMPLES
 RETURN PUMP
 BA01-PU-004

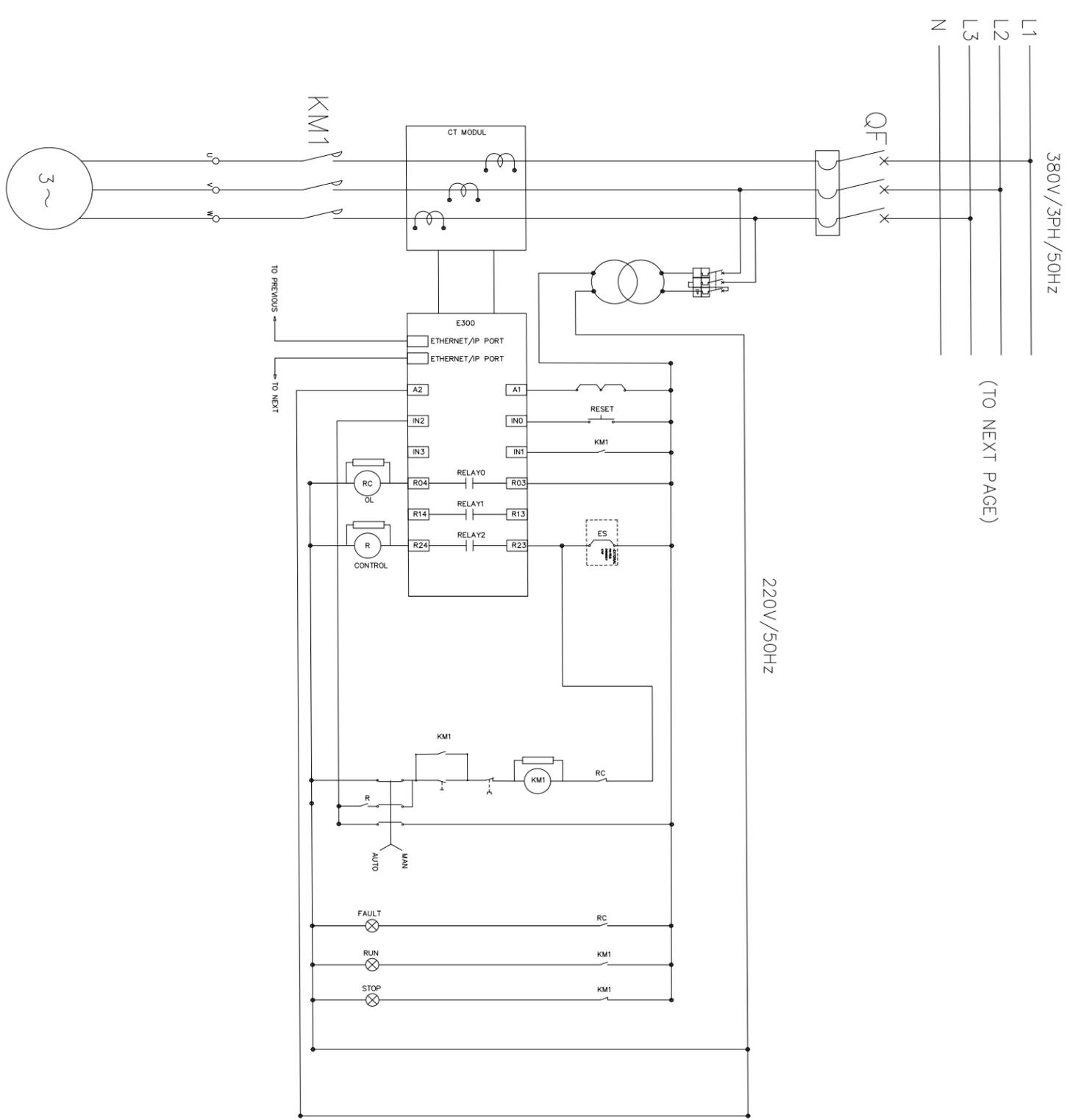


(TO NEXT PAGE)

220V/50Hz

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565; Fax: 514-843-6508; www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004				
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA					
							VERIFY:				SCALE: NO	C22006		DRAWING NO.:	000 - 06 - DG - 005	UNITS: mm	FORMAT: A1
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.							

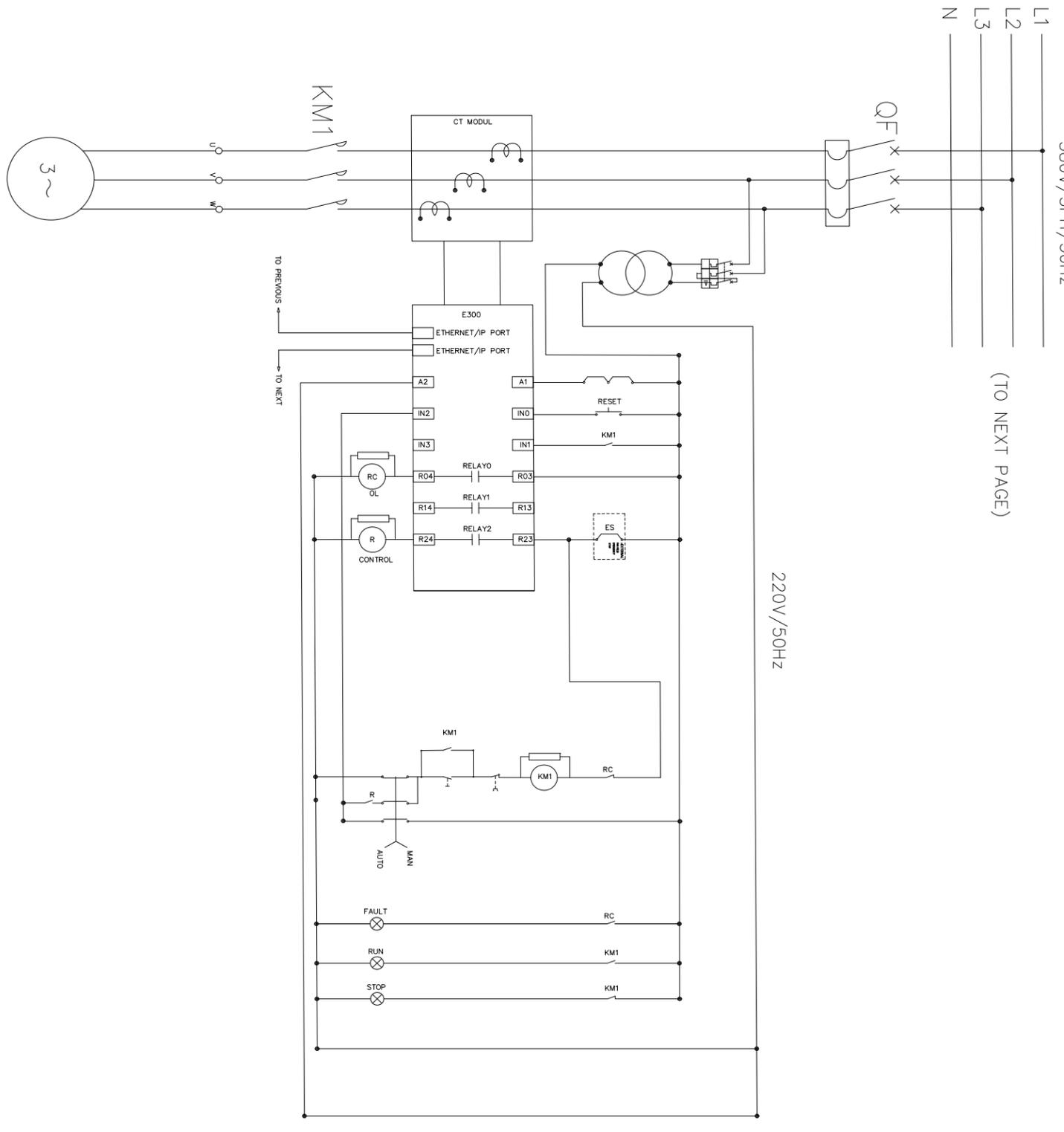
SAMPLES
 RETURN PUMP
 BA01-PU-008



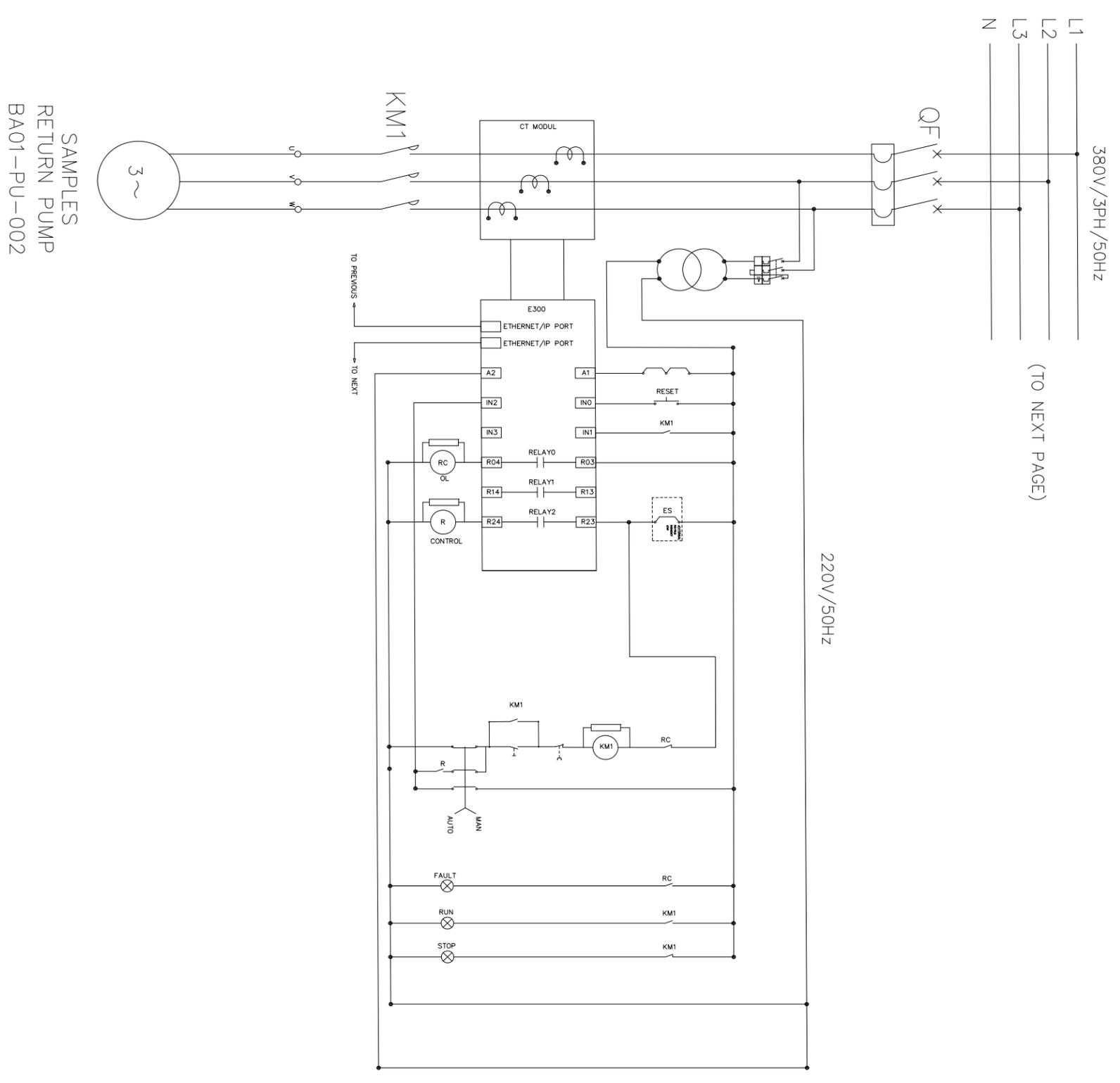
(TO NEXT PAGE)

DWG. NO.	0	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-07-29	ISSUED FOR BIDDING	APPROVED:	2020-07-27	<p>BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél: 514-843-6565; Fax: 514-843-6508; www.bumigeme.com</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.</p>
REFERENCE DRAWINGS						LAMKHOUKH	2020-05-03		F. BARIL	2020-07-27	
						LAMKHOUKH	2020-06-11				<p>CLIENT: RMG COPPER JSC</p> <p>PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA</p>
											<p>DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004</p>
											<p>SCALE: NO PROJECT</p> <p>DRAWING NO.: 000 - 06 - DG 005</p> <p>UNITS: mm AREA</p> <p>FORMAT: A1 DISC. TYPE</p> <p>PAGE: 22/37 SEQ. REV.</p>

SAMPLES
 RETURN PUMP
 BA01-PU-001

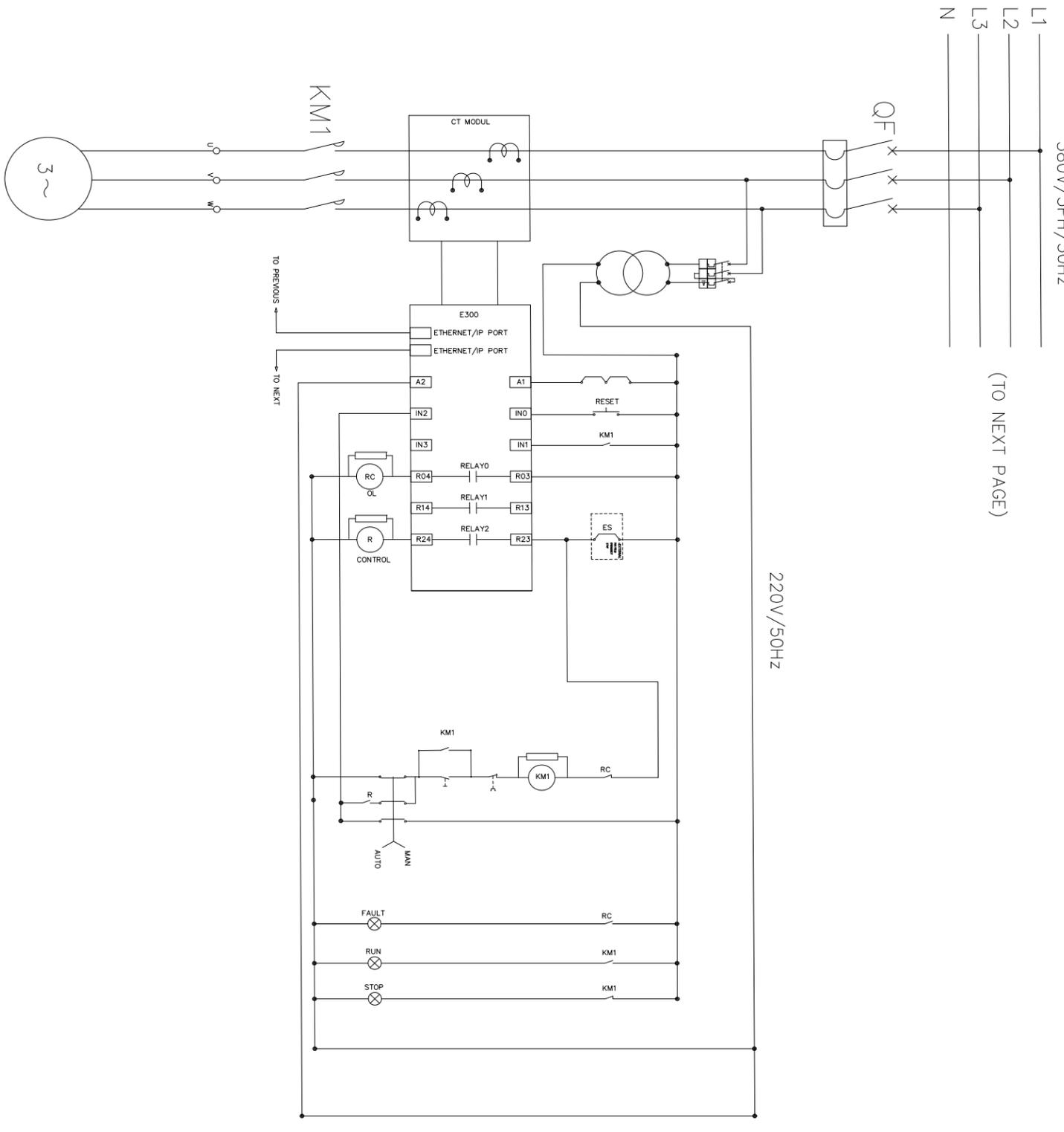


DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565; Fax: 514-843-6508; www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
VERIFIED:				SCALE: NO	C22006 PROJECT	
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		UNITS: mm DRAWING NO.: 000 - 06 - DG 005 AREA DISC. TYPE SEQ. REV.	
DESIGN:	LAMKHOUKH	2020-05-03				
DATE:	2020-07-29	ISSUED FOR BIDDING				
DESCRIPTION:	SAMPLES RETURN PUMP BA01-PU-002					
REV:	0	2020-07-29				
REFERENCE DRAWINGS:						
DWG. NO.						



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6555, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER	
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	PROJECT
							VERIFY:						UNITS: mm	000	AREA
							APPROVED:	F. BARIL	2020-07-27			FORMAT: A1	06 - DG	DISC.	
												PAGE: 24/37	005	TYPE	
													0	REV.	

SAMPLES
 RETURN PUMP
 BA01-PU-005



(TO NEXT PAGE)

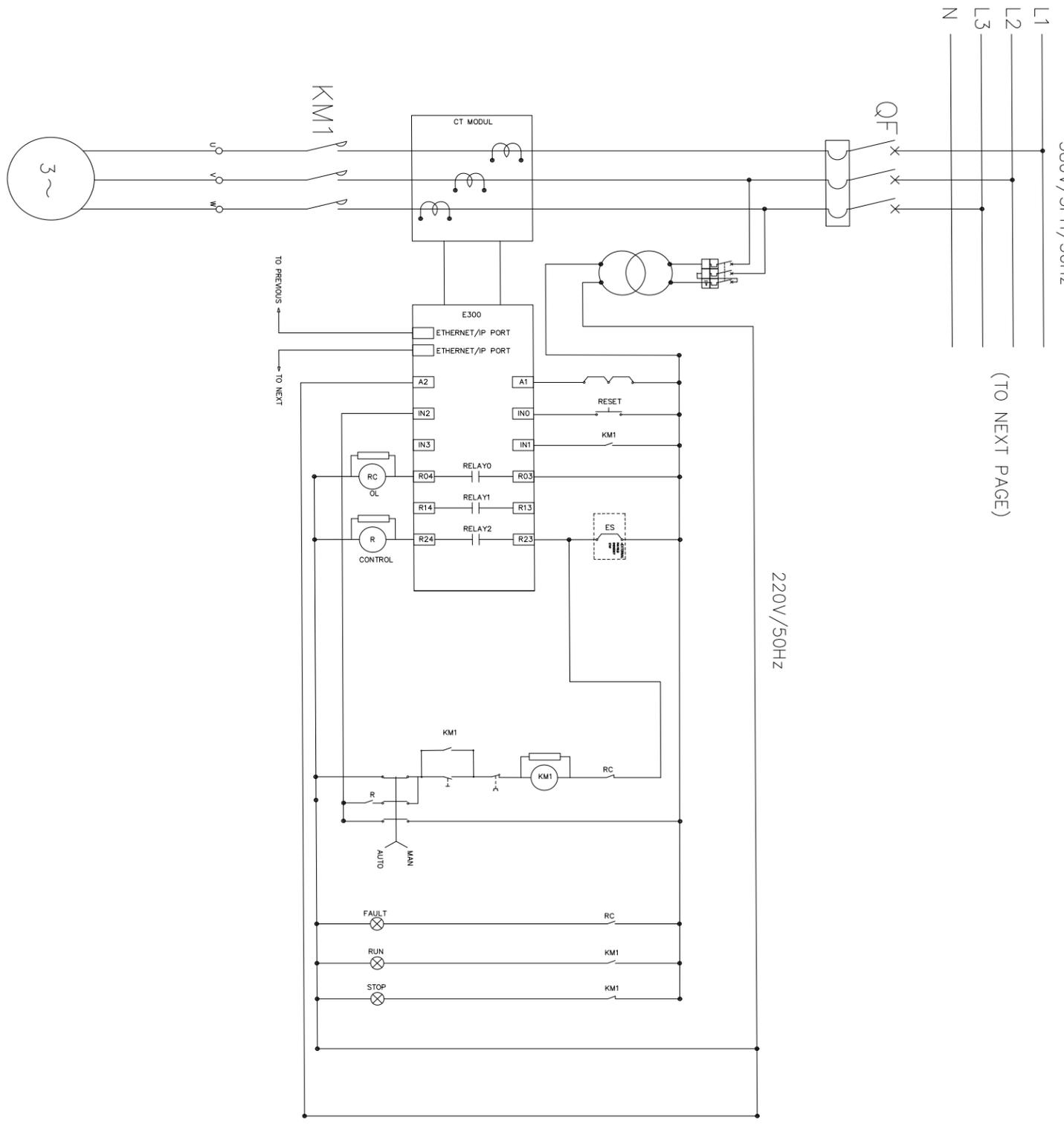
220V/50HZ

380V/3PH/50HZ

L1
 L2
 L3
 N

DWG. NO.	0	REV	DATE	DESCRIPTION	BY	DESIGN:	2020-07-29	ISSUED FOR BIDDING
REFERENCE DRAWINGS						LAMKHOUKH	2020-05-03	
						LAMKHOUKH	2020-06-11	
						THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		
						BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004
						PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO C22006	UNITS: mm DRAWING NO.: 000 - 06 - DG 005 AREA DISC. TYPE SEQ. REV.

SAMPLES
 RETURN PUMP
 BA01-PU-006



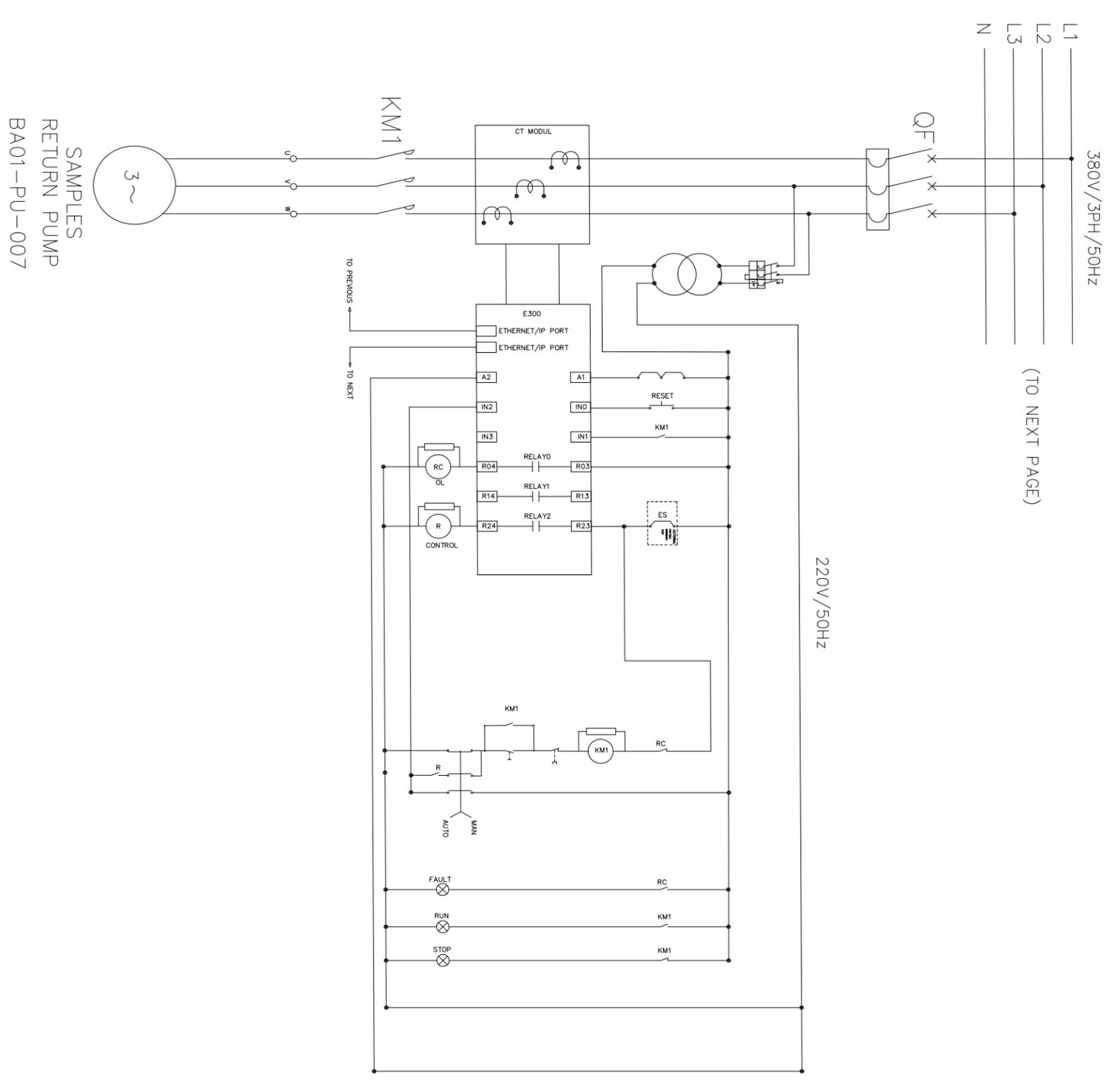
(TO NEXT PAGE)

220V/50HZ

380V/3PH/50HZ

L1
 L2
 L3
 N

DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN: LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER	
REFERENCE DRAWINGS						DRAWN: LAMKHOUKH	2020-06-11	PROJECT:				SCALE: NO	C22006	
						VERIFY:						UNITS: mm	000	FORMAT: A1
						APPROVED: F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.				DRAWING NO.:	000 - 06 - DG - 005	



SAMPLES
 RETURN PUMP
 BA01-PU-007

(TO NEXT PAGE)

220V/50HZ

380V/3PH/50Hz

L1
 L2
 L3
 N

QF

CT MODUL

KM1

3~

TO PREVIOUS

TO NEXT

RESET

KM1

IN0

IN1

IN2

IN3

RELAY0

RELAY1

RELAY2

R04

R14

R24

R03

R13

R23

ES

RC

OL

R

CONTROL

KM1

RC

KM1

KM1

FAULT

RUN

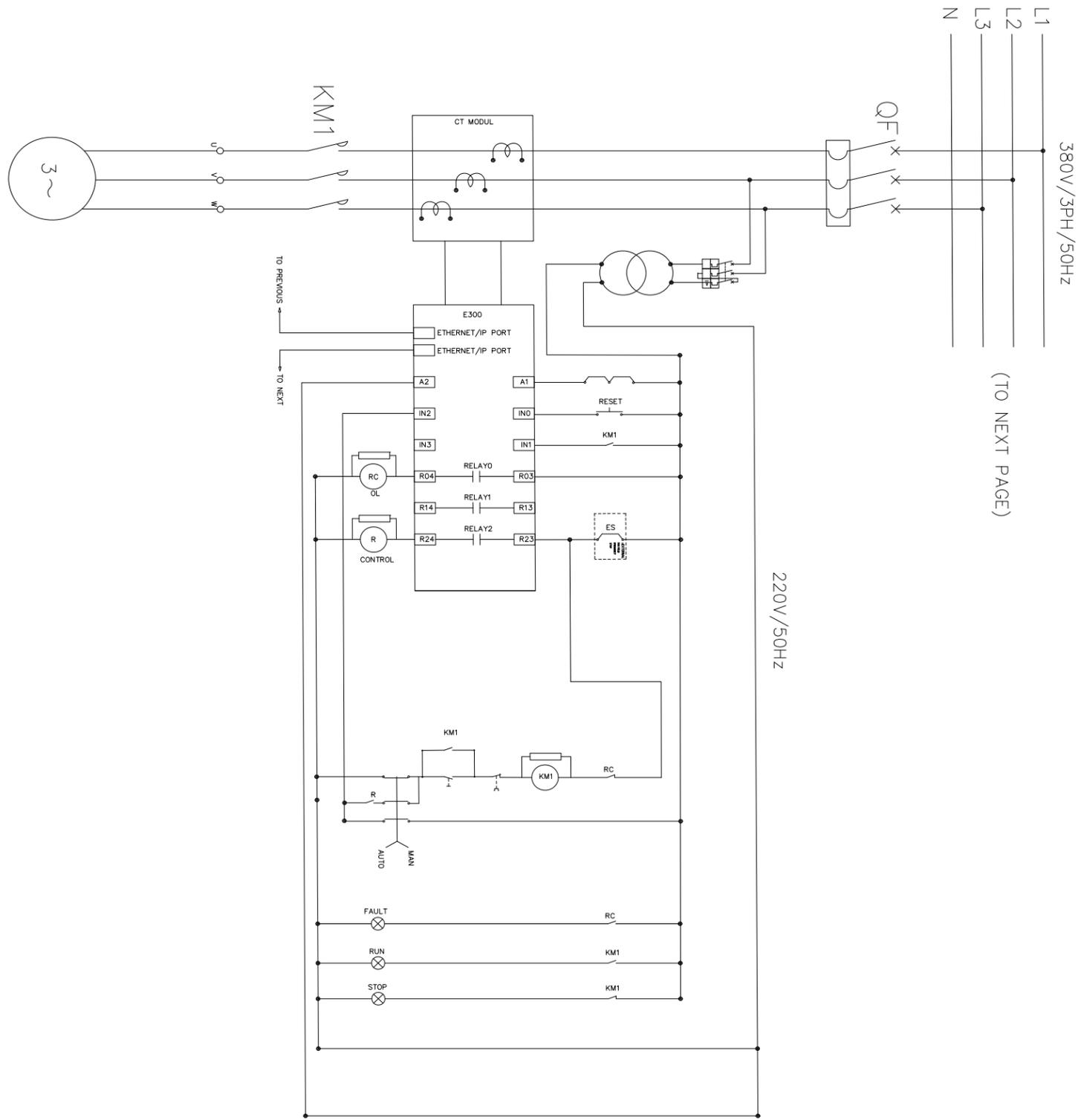
STOP

AUTO

MAN

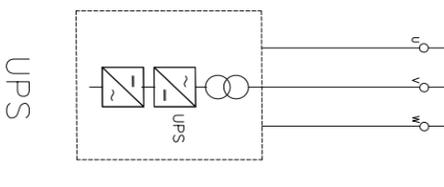
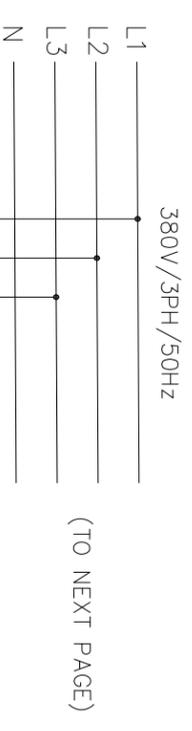
DWG. NO.	0	REV	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN: LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél: 514-843-6565; Fax: 514-843-6508; www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER	
REFERENCE DRAWINGS		DATE				DRAWN: LAMKHOUKH	2020-06-11	PROJECT:				SCALE: NO	C22006	
						VERIFY:						UNITS: mm	000	FORMAT: A1
						APPROVED: F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.						

SAMPLE PUMP
 FOR ROUGHER
 TAILINGS
 ZF01-PU-102



(TO NEXT PAGE)

220V/50Hz



DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004											
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA												
VERIFY:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:	29/37			
APPROVED:	F. BARIL	2020-07-27		PROJECT:	RMG COPPER JSC	PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004											
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA												
VERIFY:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:	29/37			
APPROVED:	F. BARIL	2020-07-27		PROJECT:	RMG COPPER JSC	PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004											
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA												
VERIFY:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:	29/37			
APPROVED:	F. BARIL	2020-07-27		PROJECT:	RMG COPPER JSC	PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004											
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA												
VERIFY:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:	29/37			
APPROVED:	F. BARIL	2020-07-27		PROJECT:	RMG COPPER JSC	PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004											
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA												
VERIFY:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:	29/37			
APPROVED:	F. BARIL	2020-07-27		PROJECT:	RMG COPPER JSC	PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004											
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA												
VERIFY:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:	29/37			
APPROVED:	F. BARIL	2020-07-27		PROJECT:	RMG COPPER JSC	PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT:	A1	PAGE:

DWG. NO.

REFERENCE DRAWINGS

REV

DATE

ISSUED FOR BIDDING

DESCRIPTION

BY

APPROVED:

F. BARIL

2020-07-27

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
 PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS
 A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME
 IS PROHIBITED.

CLIENT:

RMG COPPER JSC

DESCRIPTION:

MOTOR CONTROL CENTER
 BE001-WC004

SCALE: NO

C22006

DRAWING NO.:

000

UNITS: mm

AREA

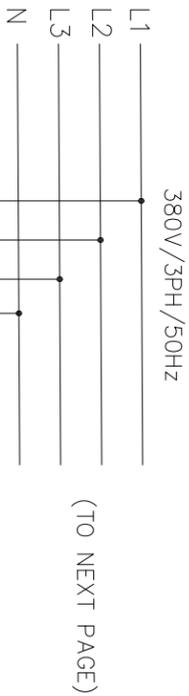
000

FORMAT:

A1

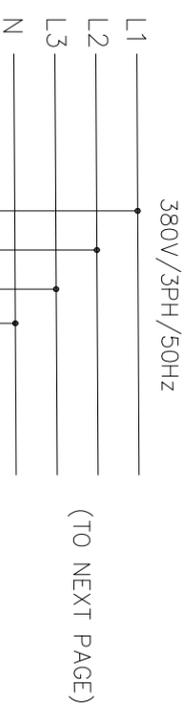
PAGE:

29/37



DISTRIBUTION PANEL
 CONTROL
 - 220V -

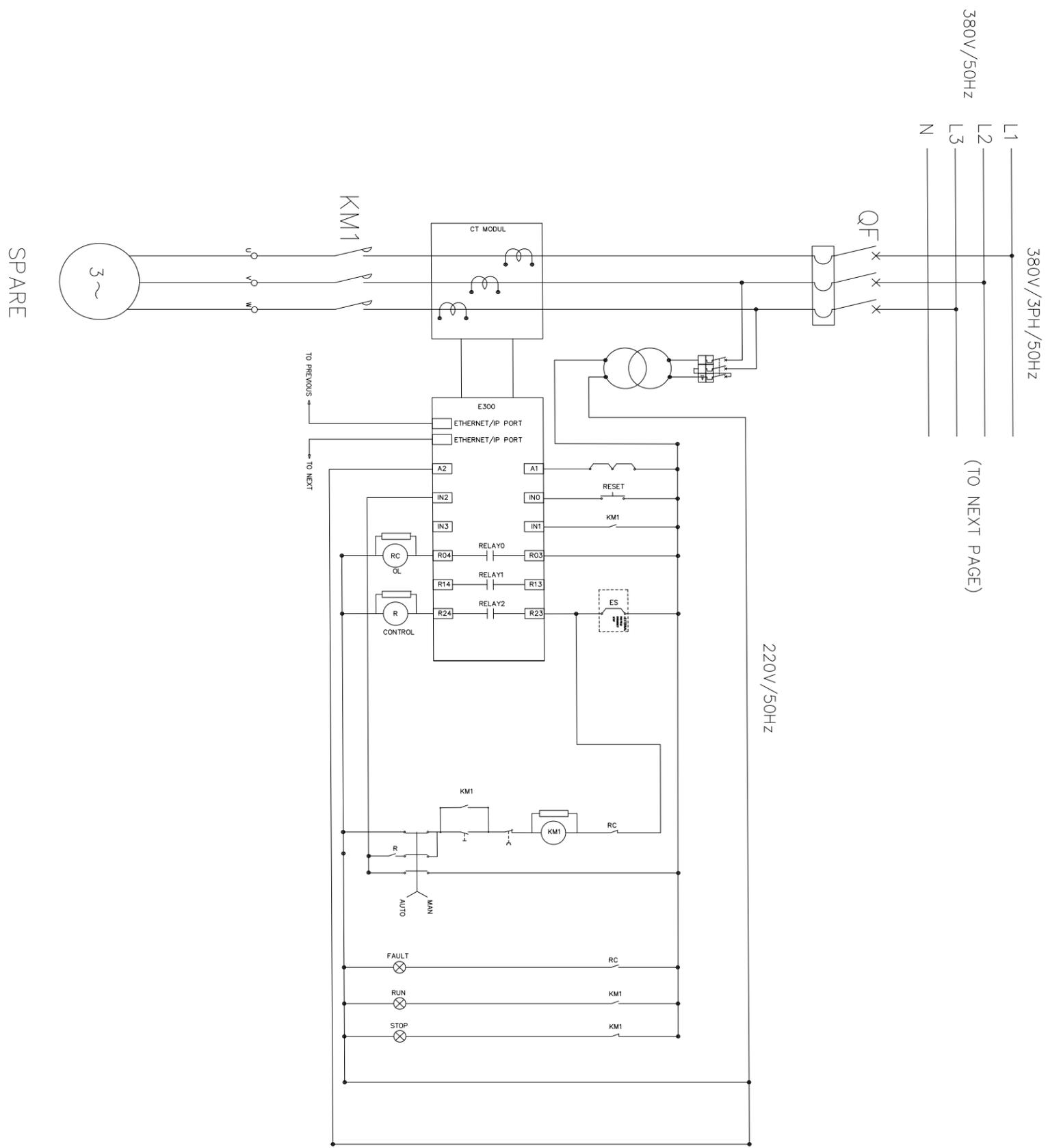
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montreal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004				
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA					
VERIFIED:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006	DRAWING NO.:	000	UNITS: mm	AREA	
APPROVED:	F. BARIL	2020-07-27		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
DESIGN:	LAMKHOUKH	2020-05-03		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
VERIFIED:				PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
APPROVED:	F. BARIL	2020-07-27		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
DESCRIPTION:	ISSUED FOR BIDDING	2020-07-29		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
DATE:	2020-07-29			PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
REV:	0			PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
REFERENCE DRAWINGS:				PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA
DWG. NO.:				PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	PROJECT:	C22006	000	mm	AREA



DISTRIBUTION PANEL
 EQUIPMENT HEATING
 - 220V -

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1J5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC004
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	SCALE: NO C22006 PROJECT	UNITS: mm 000 - AREA	FORMAT: A1 DISC: DG TYPE: 005 SEQ: 0 REV: 0
DESIGN:	LAMKHOUKH	2020-05-03	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.				
VERIFY:							
APPROVED:	F. BARIL	2020-07-27					
ISSUED FOR BIDDING							
DATE	2020-07-29						
REV	0						
REFERENCE DRAWINGS							
DWG. NO.							

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, Rue St-Jovence O. Room 750 Montreal, Quebec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004						
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA							
							VERIFIED:				SCALE: NO	C22006		DRAWING NO.:	000	UNITS: mm	AREA	000	FORMAT: A1
							APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.									

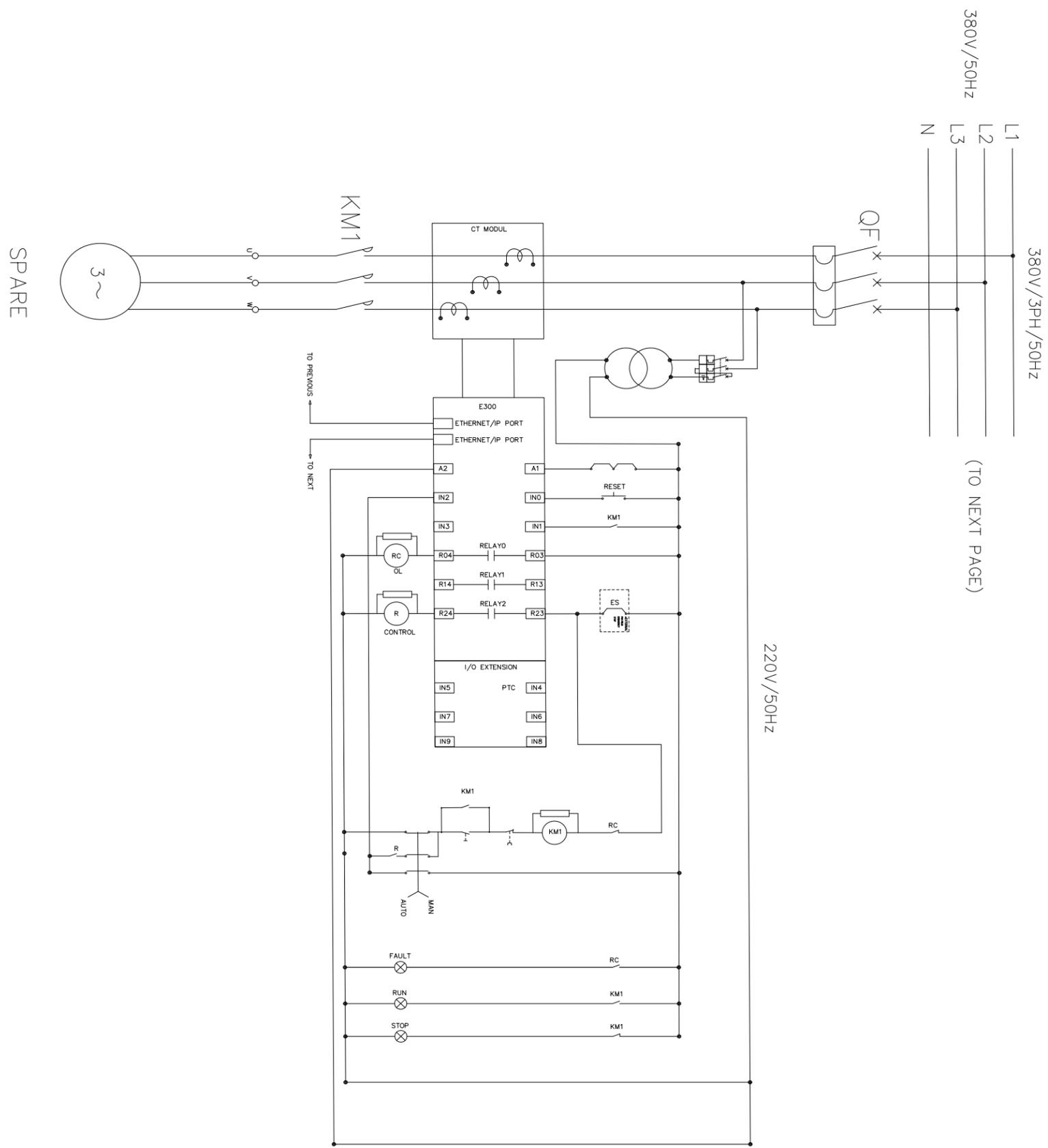


380V/50Hz
 L1
 L2
 L3
 N
 380V/3PH/50Hz
 (TO NEXT PAGE)

220V/50Hz

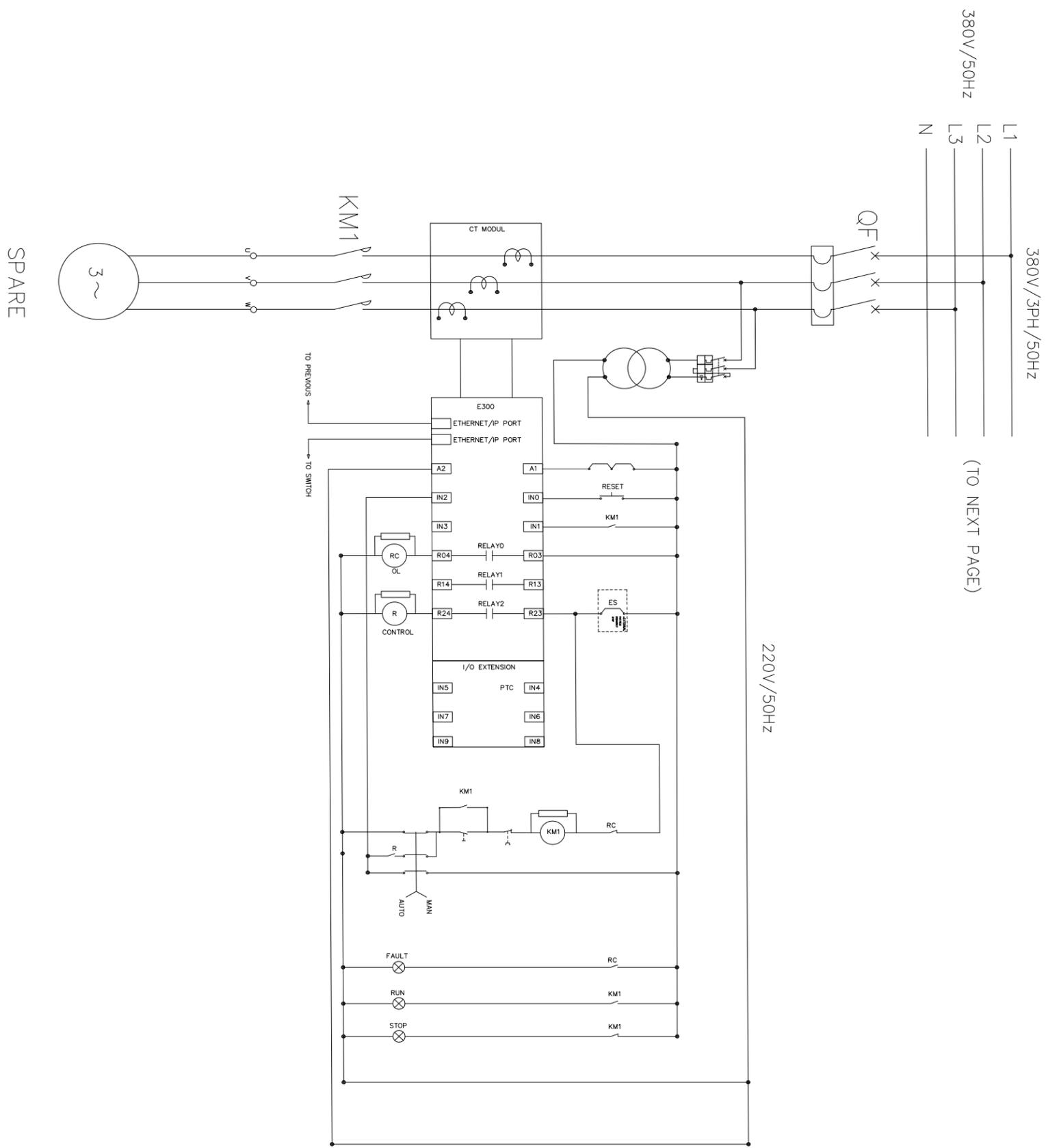
SPARE

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montreal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004			
							DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA				
		0	2020-07-29	ISSUED FOR BIDDING			APPROVED:	F. BARIL	2020-07-27		SCALE: NO	C22006		DRAWING NO.:	000 - 06 - DG 005	UNITS: mm



PROJECT	C22006	AREA	000	DISC.	06	TYPE	DG	SEQ.	005	REV.	0
---------	--------	------	-----	-------	----	------	----	------	-----	------	---

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montreal, Quebec H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC004		
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
VERIFY:				SCALE: NO	C22006		UNITS: mm	000
DATE	2020-07-29	ISSUED FOR BIDDING	APPROVED: F. BARIL	2020-07-27				
REV	0							
DWG. NO.		REFERENCE DRAWINGS						

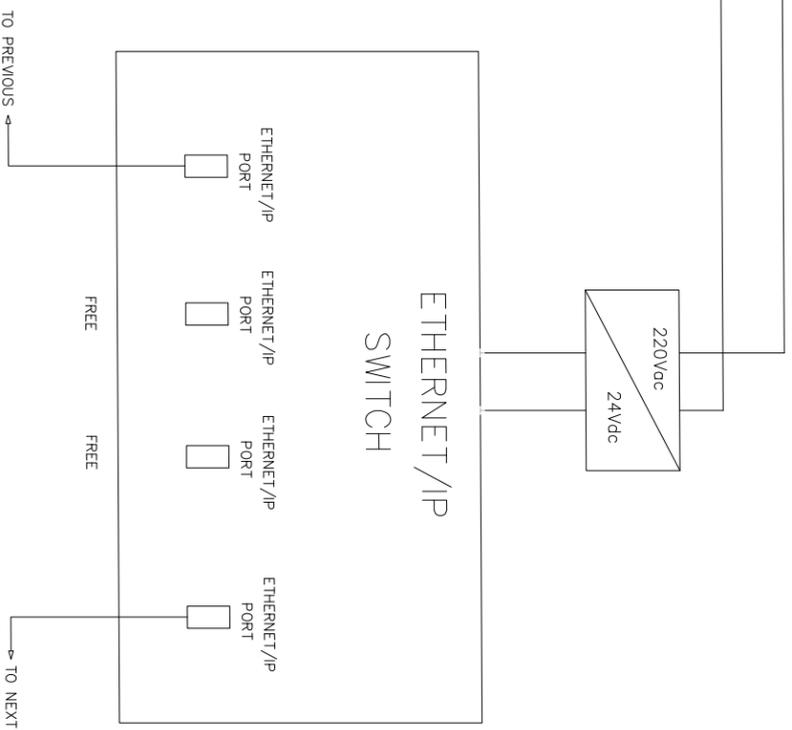


380V/3PH/50HZ

L1 _____
L2 _____
L3 _____
N _____

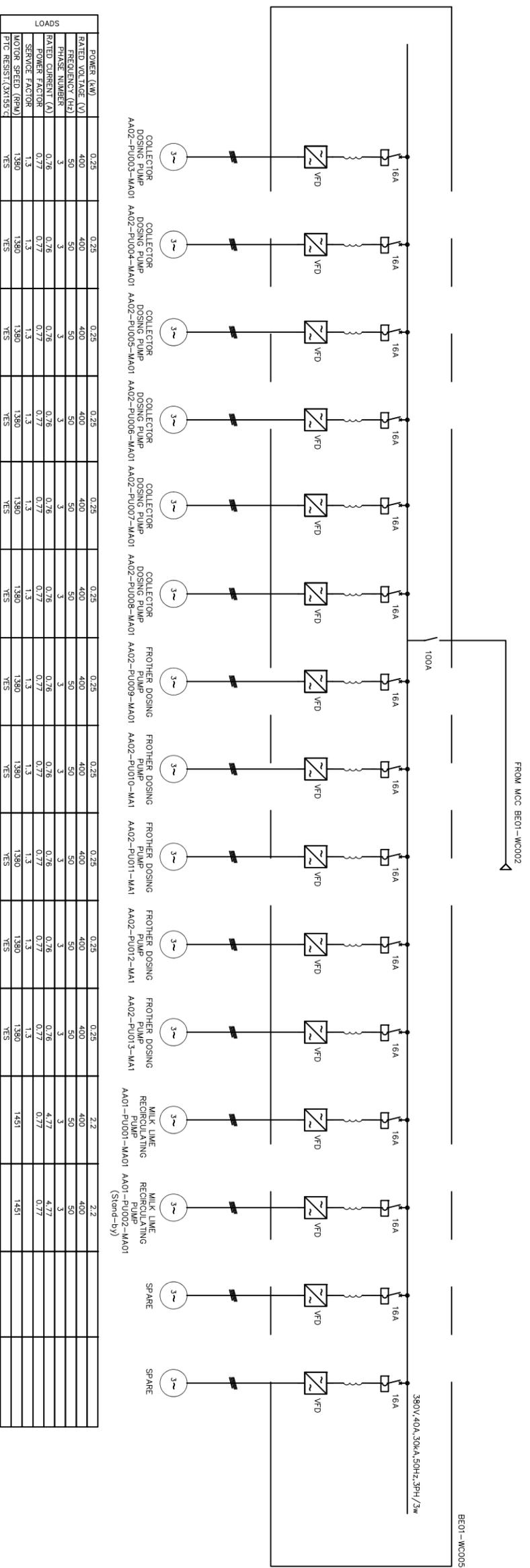
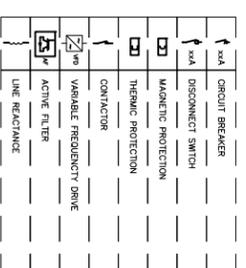
(TO NEXT PAGE)

220V/50HZ



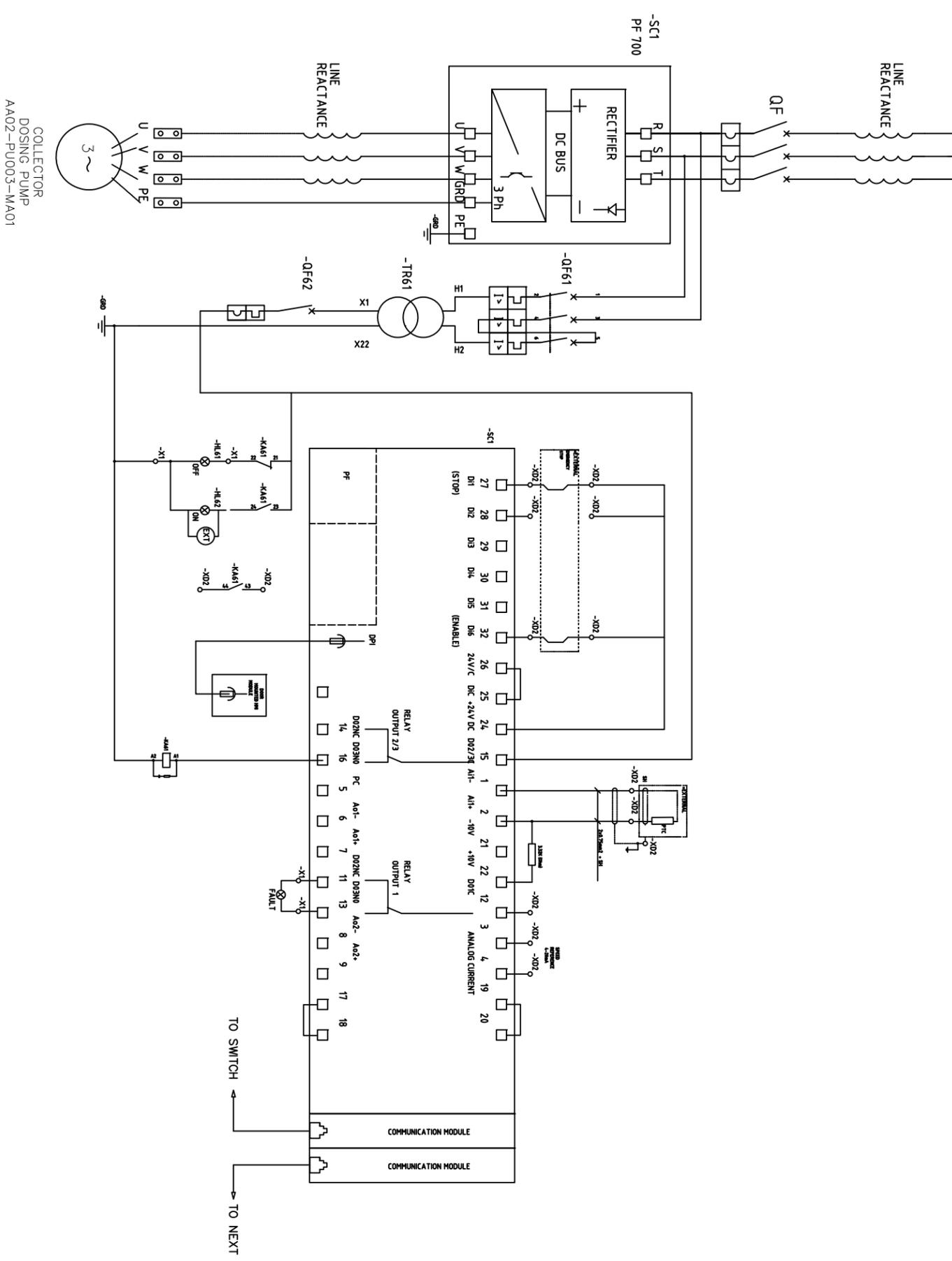
REV	DATE	DESCRIPTION	BY	DESIGN:	DRAWN:	VERIFY:	APPROVED:	DATE	DESCRIPTION
0	2020-07-29	ISSUED FOR BIDDING		LAMKHOUKH	LAMKHOUKH		F. BARIL	2020-07-27	

BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montreal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com		CLIENT:	RMG COPPER JSC
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA
SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 37/37
C22006 PROJECT	DRAWING NO.: 000 AREA	DISC. TYPE	SEQ. REV.
			005 0



DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel. 514-843-6565, Fax. 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC005
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006
VERIF:				APPROVED:	F. BARIL	UNITS: mm	000
ISSUED FOR BIDDING		2020-07-27	DATE:	2020-07-29	FORMAT: A1	006	PAGE: 1/17
DESCRIPTION			BY		TYPE	006	REV: 0
REFERENCE DRAWINGS							
DWG. NO.							

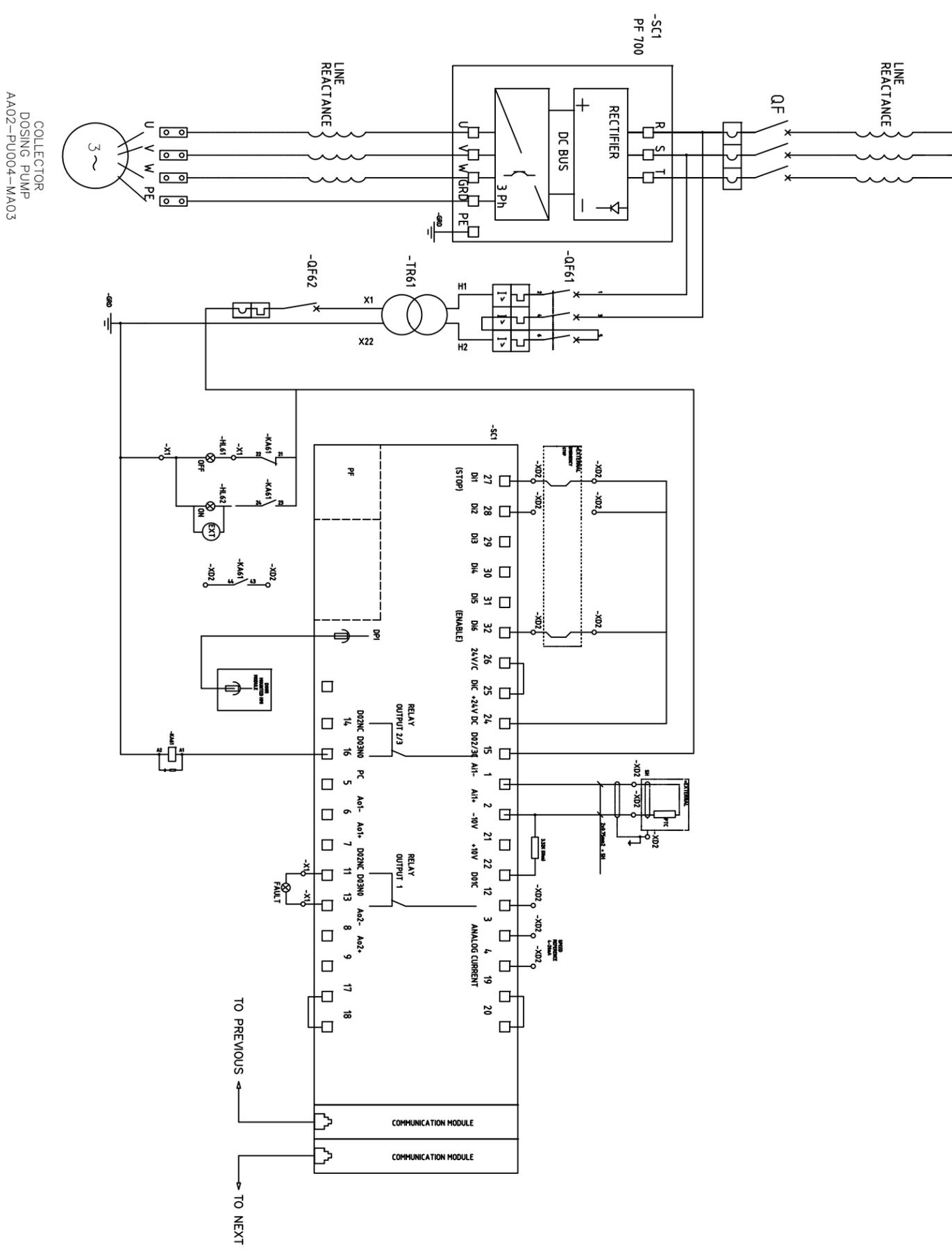
L1
L2
L3
380V/3PH/50HZ
(TO NEXT PAGE)



COLLECTOR
DOSING PUMP
AA02-PU003-MA01

DESIGN: L.AMKHOUKH		2020-05-03		BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC		DESCRIPTION: MOTOR CONTROL CENTER BE001-WC005			
DRAWN: L.AMKHOUKH		2020-06-11			PROJECT: RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA					
VERIFY:				THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO		UNITS: mm	FORMAT: A1	PAGE: 2/17	
APPROVED: F. BARIL		2020-07-27			PROJECT: C22006		DRAWING NO.: 000 - 06 - DG		REV: 0	
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED: (Gen)			

L1
L2
L3
380V/3PH/50HZ
(TO NEXT PAGE)

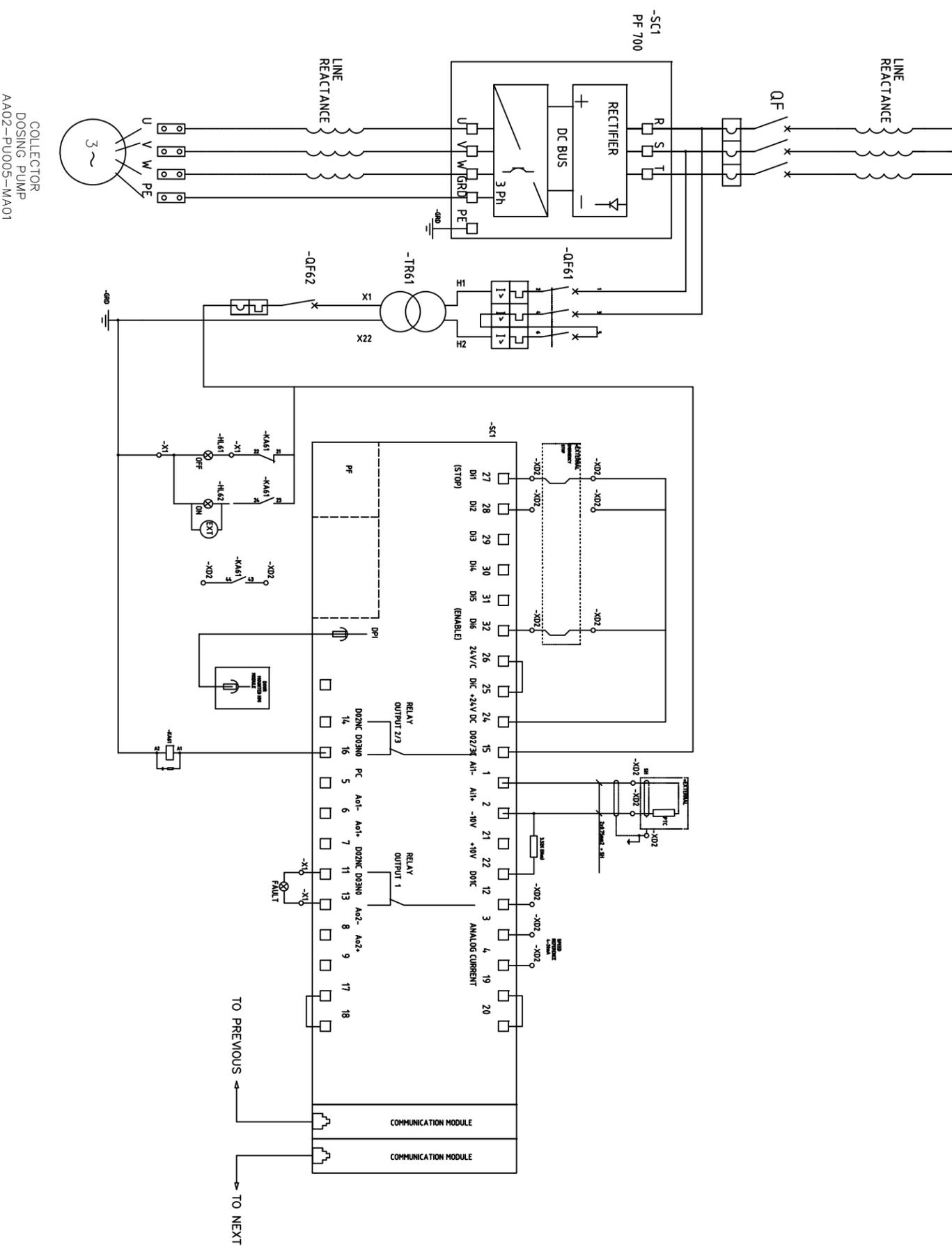


COLLECTOR
DOSING PUMP
AA02-PU004-MA03

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC005	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 3/17		
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		C22006	DRAWING NO.:	000	06	DG	006
						VERIFY:				APPROVED:	F. BARIL		2020-07-27	PROJECT	AREA	DISC.	TYPE	SEQ.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

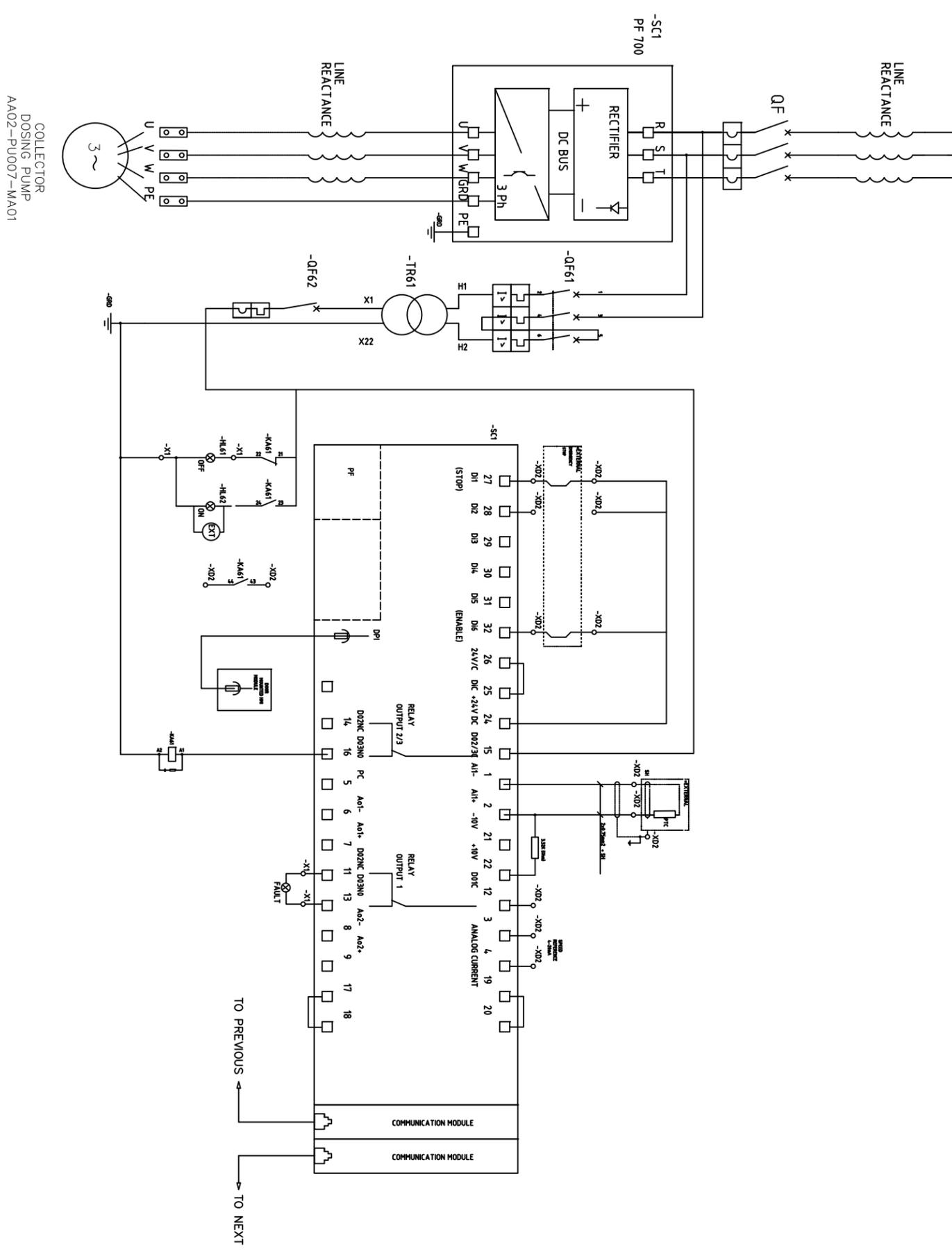
L1
L2
L3
380V/3PH/50HZ
(TO NEXT PAGE)



COLLECTOR
DOSING PUMP
AA02-PU005-WA01

DESIGN: LAMKHOUKH		2020-05-03		BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC		DESCRIPTION: MOTOR CONTROL CENTER BE001-WC005
DRAWN: LAMKHOUKH		2020-06-11			PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT		
APPROVED: F. BARIL		2020-07-27			PROJECT AREA: BOLNISI - GEORGIA		
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	APPROVED: (Gen)	
		0	2020-07-29	ISSUED FOR BIDDING			
SCALE: NO		UNITS: mm	FORMAT: A1	PAGE: 4/17			
PROJECT: C22006		DRAWING NO.: 000	DISC: 06	TYPE: DG	SEQ: 006		
		AREA	DISC	TYPE	SEQ	REV: 0	

L1
L2
L3
380V/3PH/50HZ
(TO NEXT PAGE)

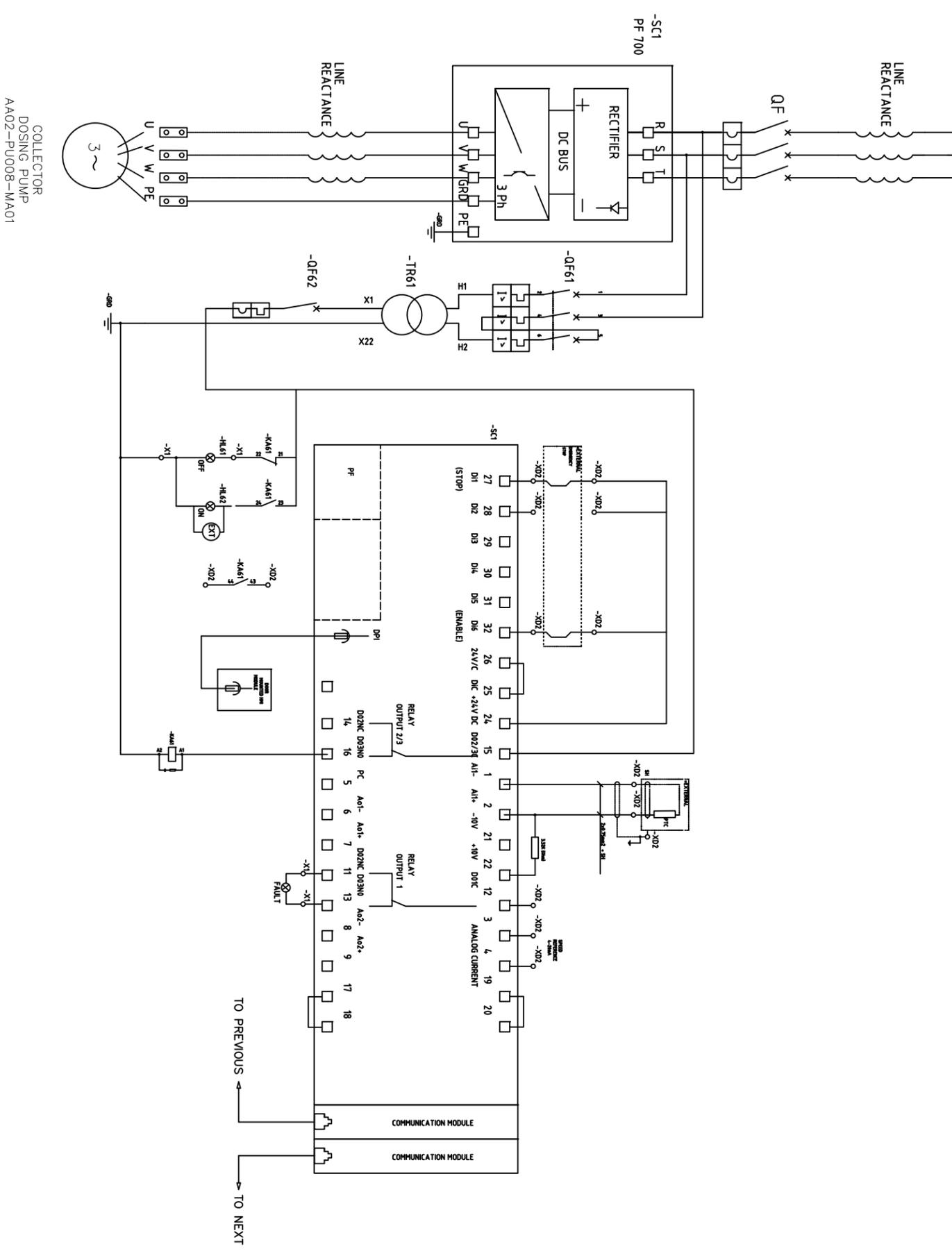


COLLECTOR
DOSING PUMP
AA02-PU007-MA01

SAVED ON 20-06-01 12:19 BY Lias
PATH: Z:\INGENIERIE\PROJETS EN COURS\C22006_RMGCOPPER_Madnelli Plant Upgrading\DESS\06-ELECTVCC\c22006-00-04-DG-REV0 (WC004-REAGENTS).dwg

DESIGN: L.AMKHOUKH		2020-05-03		BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com		CLIENT: RMG COPPER JSC		DESCRIPTION: MOTOR CONTROL CENTER			
DRAWN: L.AMKHOUKH		2020-06-11				PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT		SCALE: NO		UNITS: mm	
VERIFY:						BOLNISI - GEORGIA		C22006 PROJECT		DRAWING NO.: 000 - 06 - DG - 006 AREA	
APPROVED: F. BARIL		2020-07-27		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		REFERENCE DRAWINGS		PAGE: 6/17			
DWG. NO.		DATE		BY		REV		REV			
		2020-07-29		ISSUED FOR BIDDING		0		0			

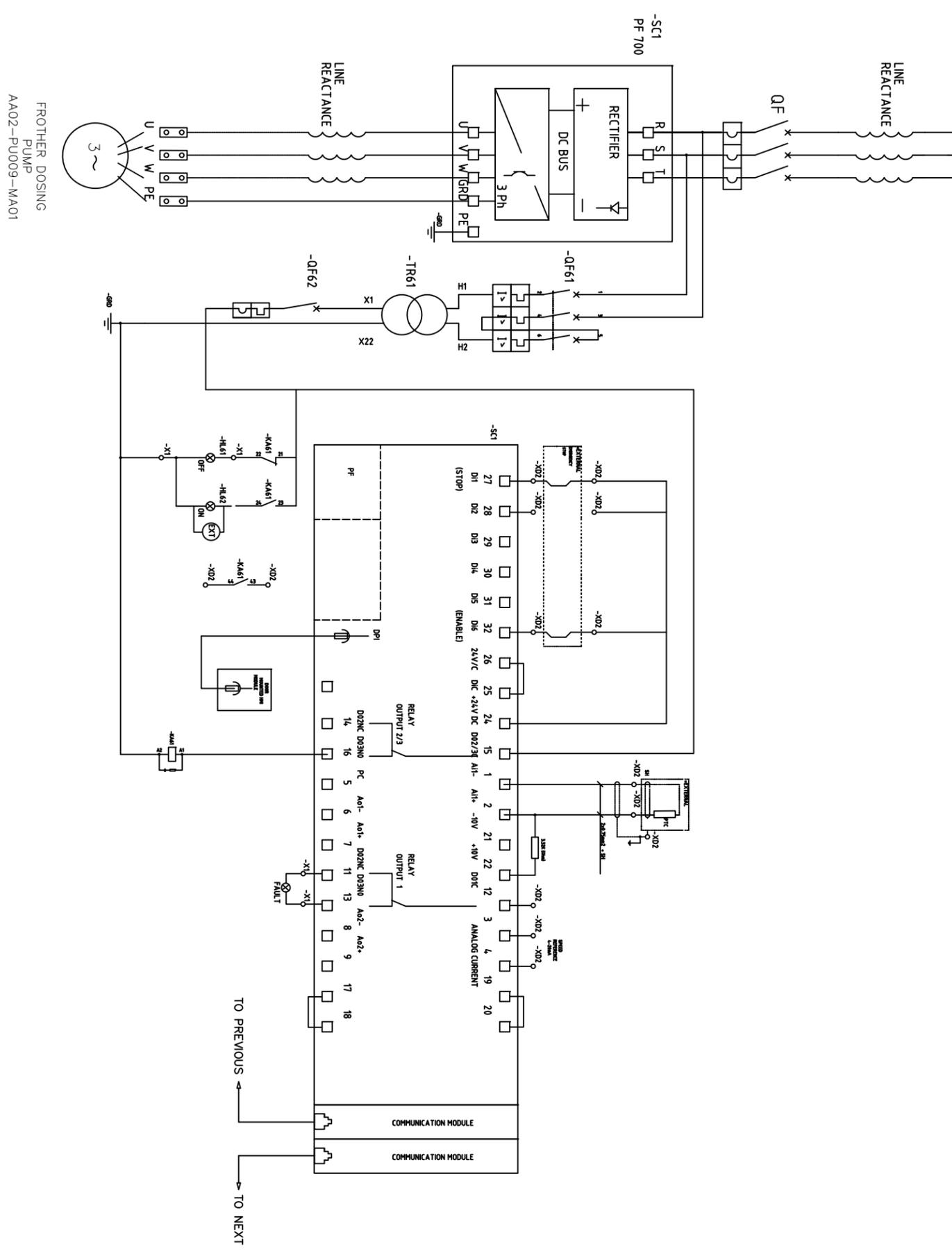
L1
L2
L3
380V/3PH/50HZ
(TO NEXT PAGE)



COLLECTOR
DOSING PUMP
AA02-PU008-WA01

DESIGN: LAMKHOUKH		2020-05-03		BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com		CLIENT:		DESCRIPTION:			
DRAWN: LAMKHOUKH		2020-06-11				PROJECT:		RMG COPPER JSC		MOTOR CONTROL CENTER	
VERIFY:						RMG MADNEULI EXISTING		PLANT UPGRADING PROJECT		BE001-WC005	
APPROVED: F. BARIL		2020-07-27		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		SCALE: NO		UNITS: mm			
ISSUED FOR BIDDING				RMG COPPER JSC PLANT UPGRADING PROJECT BOLNISI - GEORGIA		C22006		DRAWING NO.: 000			
DESCRIPTION				TO PREVIOUS		PROJECT		AREA			
BY				TO NEXT		06		FORMAT: A1			
DATE		2020-07-29		COMMUNICATION MODULE		06		PAGE: 7/17			
REV		0		COMMUNICATION MODULE		06		REV: 0			
REFERENCE DRAWINGS				COMMUNICATION MODULE		06					
DWG. NO.				COMMUNICATION MODULE		06					

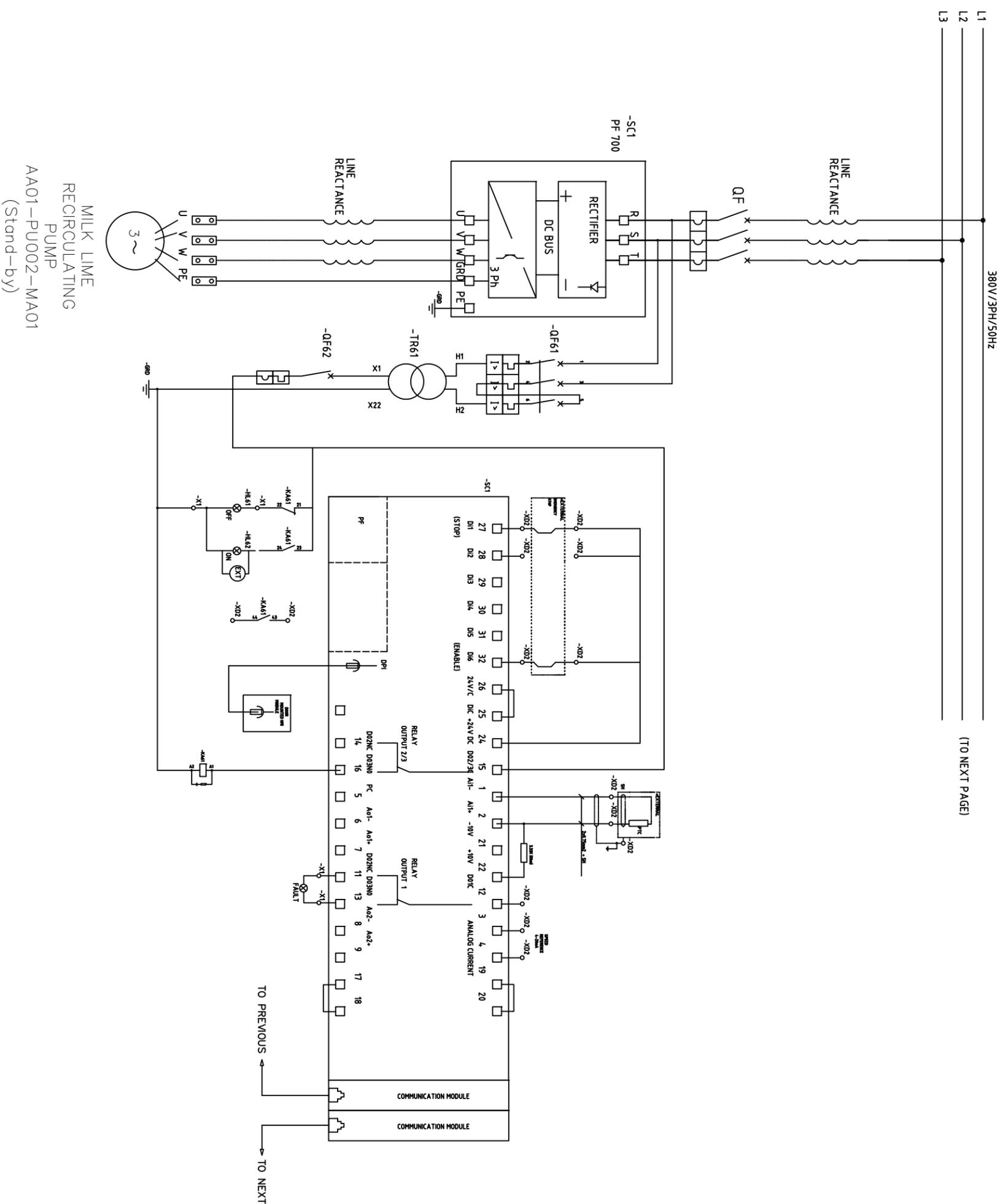
L1
L2
L3
380V/3PH/50HZ
(TO NEXT PAGE)



FROTHER DOSING
PUMP
AA02-PU009-MA01

SAVED ON 20-06-01 12:19 BY Lias
PATH: Z:\INGENIERIE\PROJETS EN COURS\C22006_RMGCOPPER_Madnelli Plant Upgrading\DESS\06-ELECTVCC\C22006-000-04-DG-REV0 (WC004-REAGENTS).dwg

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	L.AMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC005				
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	L.AMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT					
						APPROVED:	F. BARIL	2020-07-27		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO		UNITS: mm	FORMAT: A1	PAGE: 8/17	
						VERIFY:					C22006	DRAWING NO.:	000	06	DG	006
											PROJECT	AREA	DISC.	TYPE	SEQ.	REV.

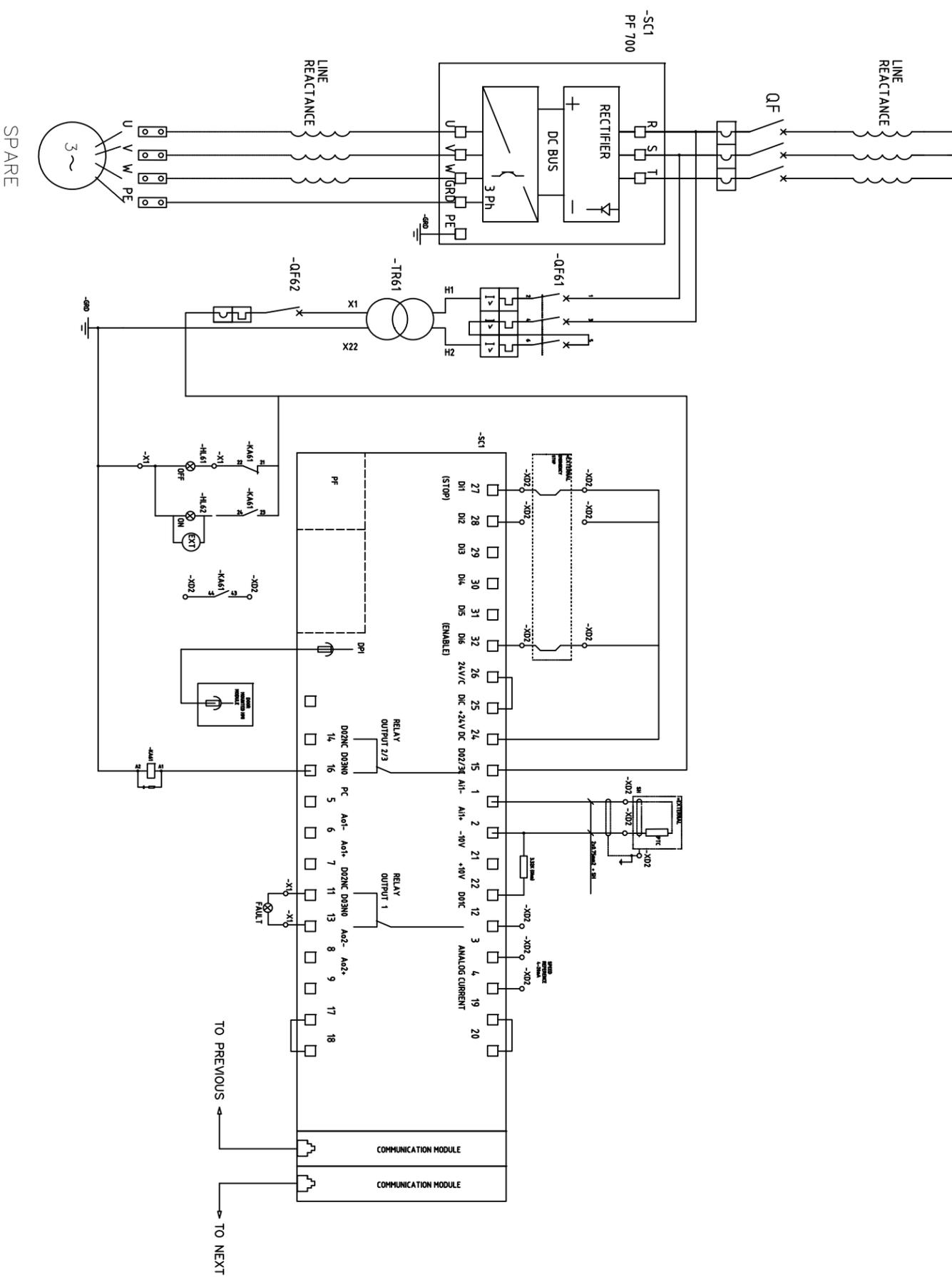


MILK LINE
 RECIRCULATING
 PUMP
 AA01 - PU002 - MA01
 (Stand-by)

L1
 L2
 L3
 380V/3PH/50Hz
 (TO NEXT PAGE)

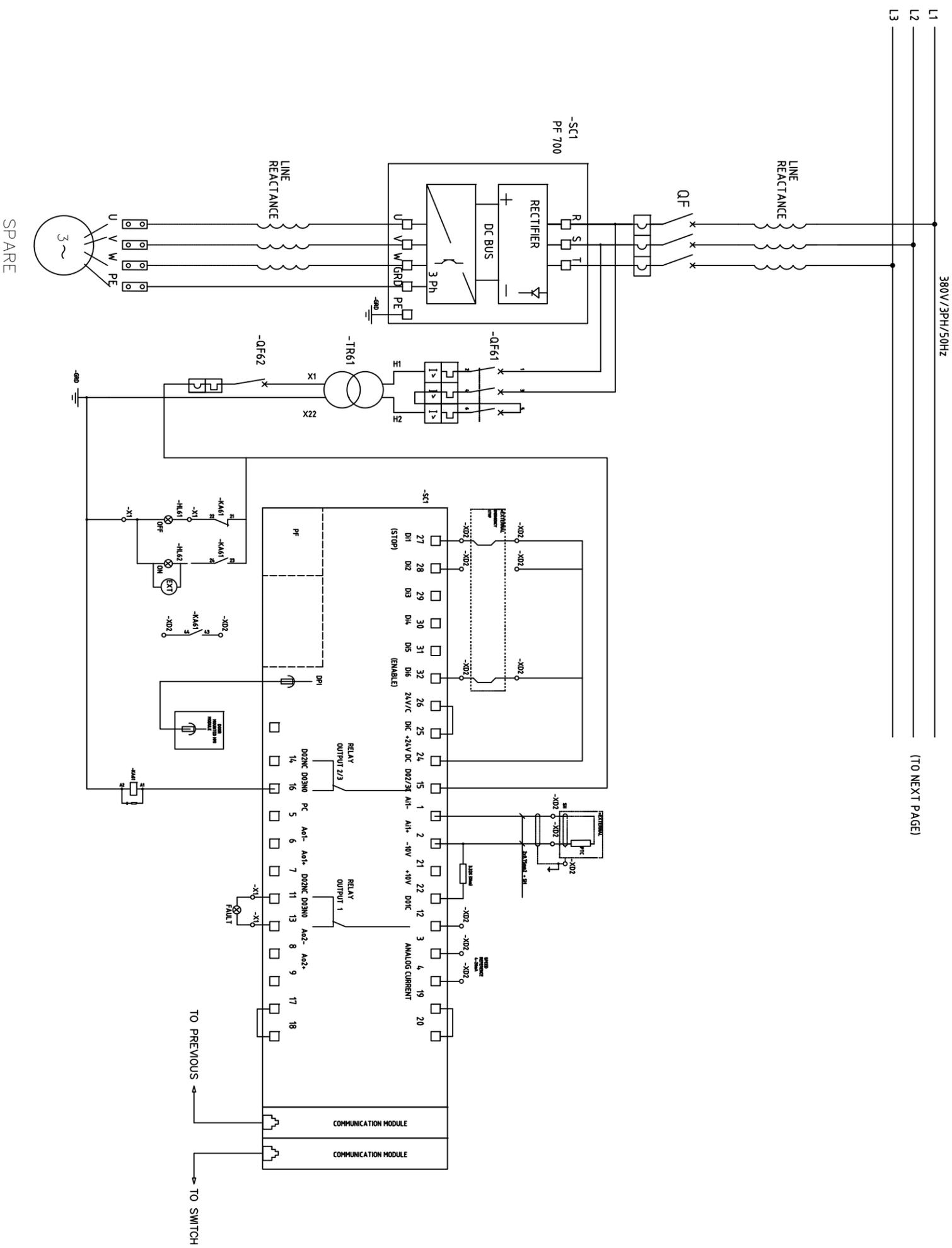
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION:	MOTOR CONTROL CENTER
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	SCALE: NO	C22006
DESIGN:	LAMKHOUKH	2020-05-03	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	UNITS: mm	000
DATE:	2020-07-29	ISSUED FOR BIDDING		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	FORMAT: A1	006
REV:	0	2020-07-29	APPROVED:	F. BARIL	2020-07-27	FORMAT: A1	0
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	PAGE:	14/17

L1
L2
L3
380V/3PH/50HZ
(TO NEXT PAGE)



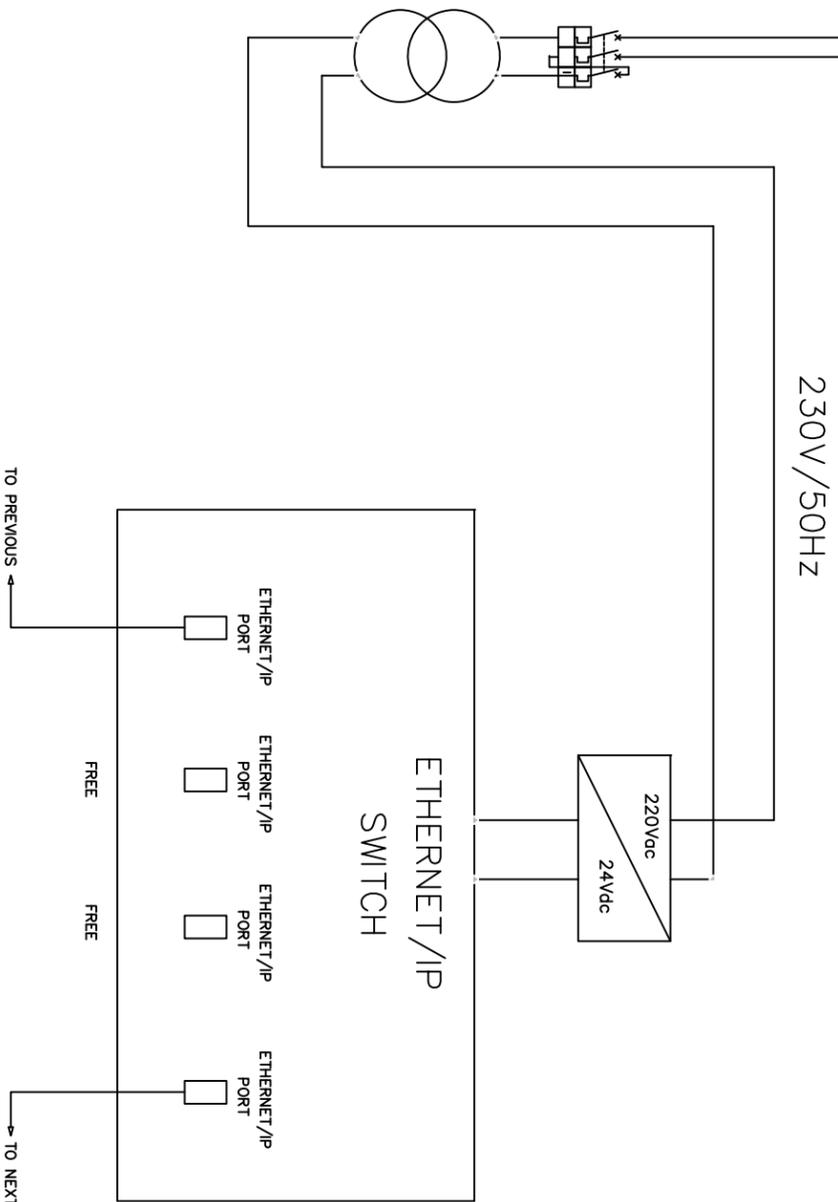
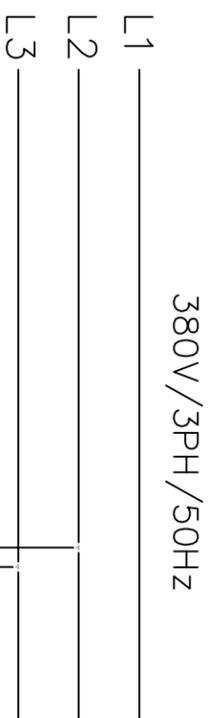
SAVED ON 20-06-01 12:19 BY Lia
PATH: Z:\INGENIERIE\PROJETS EN COURS\C22006_RMGCOPPER_Madnelli Plant Upgrading\DESS\06-ELEC\MCC\c22006-000-04-DG-REV0 (WC004-REAGENTS).dwg

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC005		
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT			
VERIFY:				SCALE: NO	C22006			
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		UNITS: mm	000	FORMAT: A1	PAGE: 15/17
DESIGNATION:	ISSUED FOR BIDDING							
DATE:	2020-07-29							
DESCRIPTION:								
BY:								
REV:	0	2020-07-29						
REFERENCE DRAWINGS:								
DWG. NO.:								



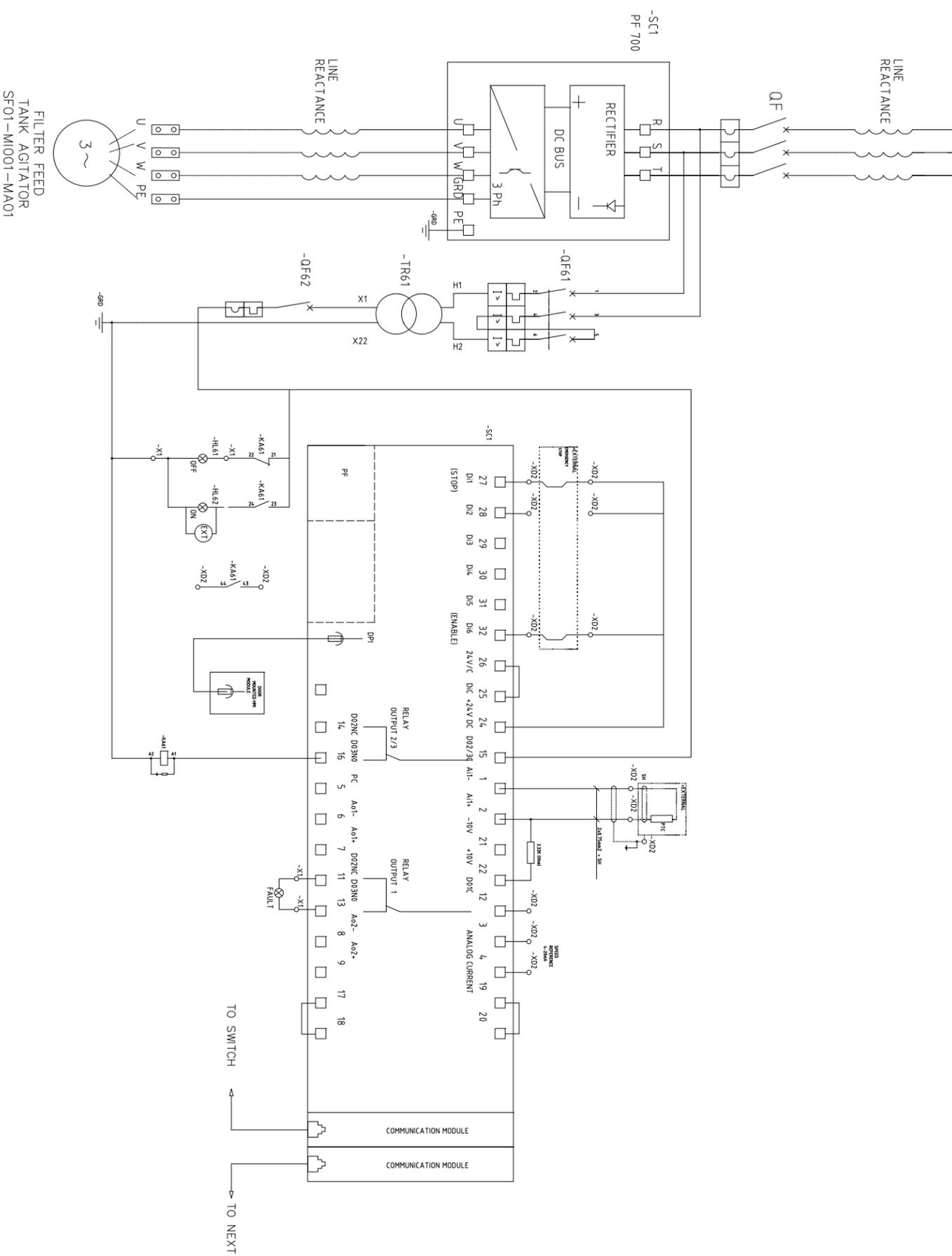
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	L.AMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC005			
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	L.AMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA				
						APPROVED:	F. BARIL	2020-07-27		SCALE: NO	C22006		UNITS: mm	DRAWING NO.:	000

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.



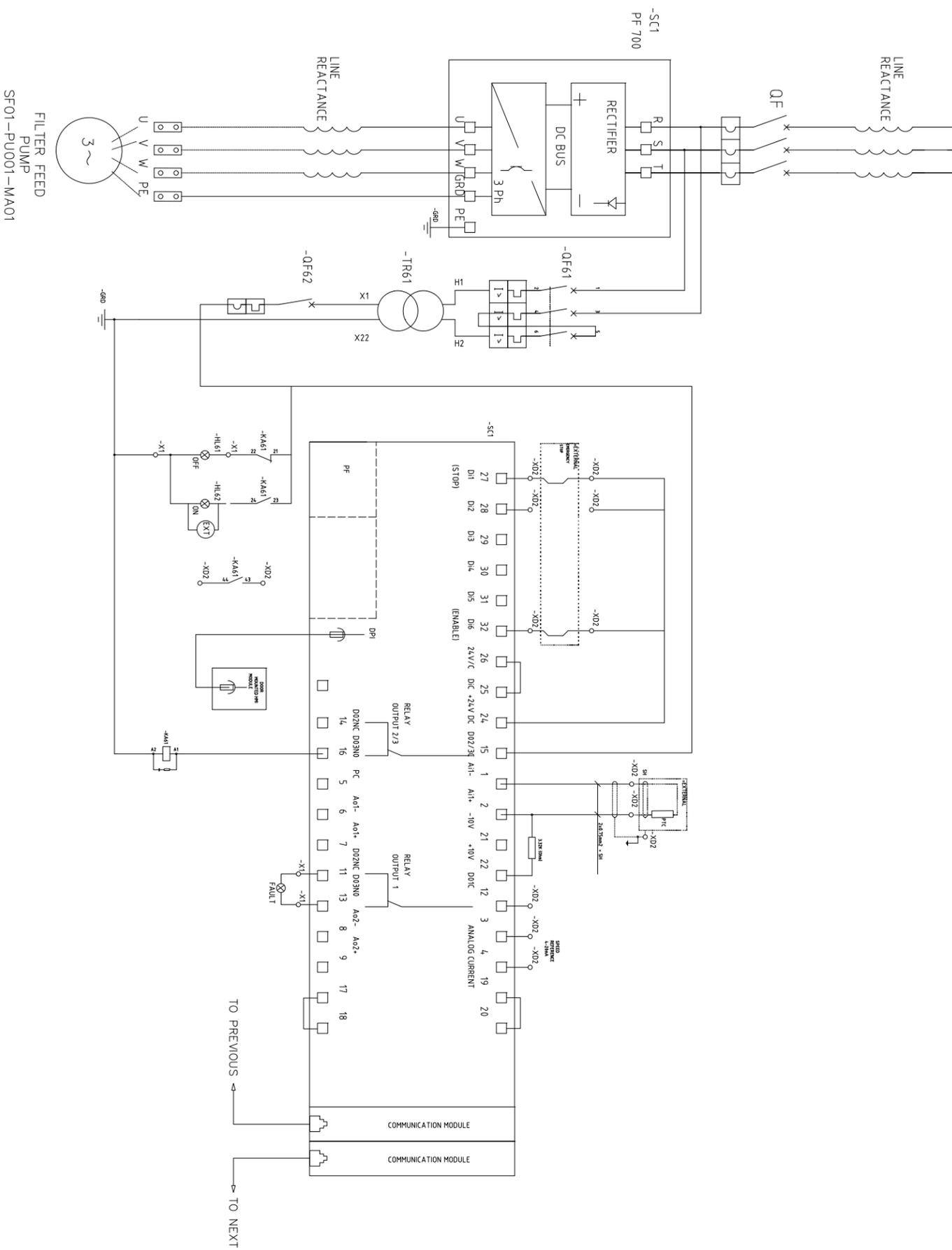
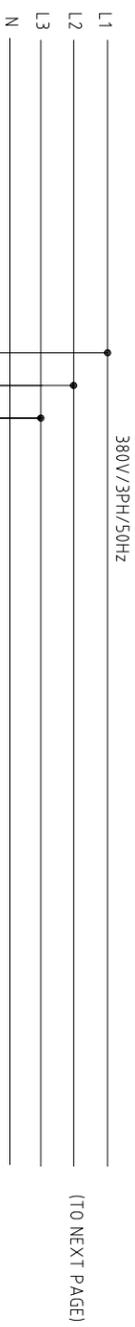
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque, O. Room 750 Montreal, Québec, H3B 1P5, Canada TEL: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	SCALE: NO	UNITS: mm	DRAWING NO.:	FORMA:	PAGE: 17/17
		0	2020-07-29				DRAWN:	2020-06-11		PROJECT:		AREA	DISC.	TYPE	SEQ.	REV.	
							VERIFY:										
							APPROVED:	2020-07-27									

L1
L2
L3
N
380V/3PH/50HZ
(TO NEXT PAGE)



3
U
V
W
PE
FILTER FEED
TANK AGITATOR
SF01-MI001-MA01

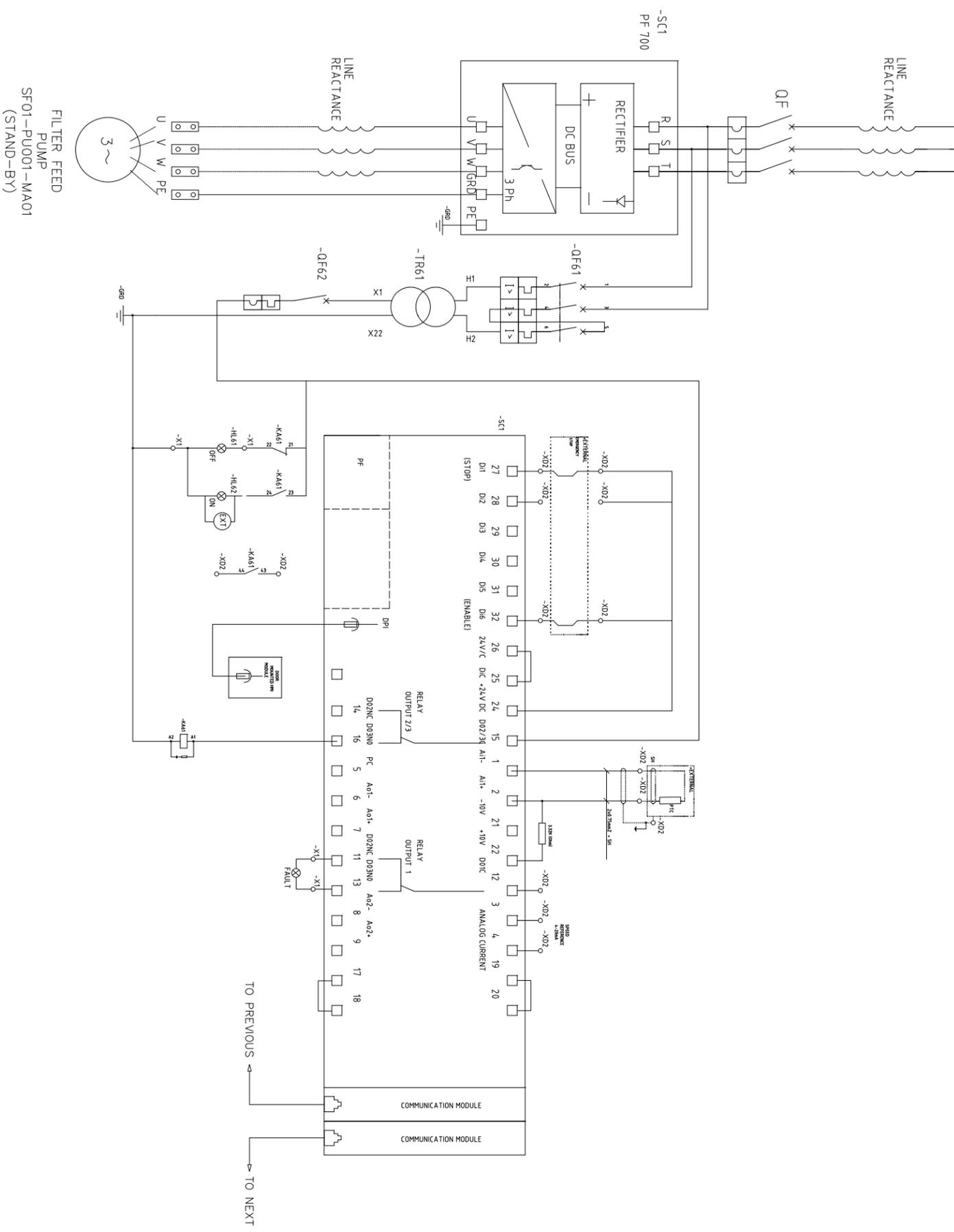
DESIGN:	L.AMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006					
DRAWN:	L.AMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA						
VERIFIED:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE:	NO	UNITS:	mm	FORMAT:	A1	PAGE:	2/23
APPROVED:	F. BARIL	2020-07-27		PROJECT NO:	C22006	DRAWING NO.:	000	DISC. TYPE:	DG	REV.:	0
DESIGN:			ISSUED FOR BIDDING	DESCRIPTION	BY	DATE	REV	REFERENCE DRAWINGS	DWG. NO.		



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	L.AMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 3/23	
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	L.AMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		DRAWING NO.:	C22006	AREA	000 - 06 - DG	007
						APPROVED:	F. BARIL	2020-07-27		APPROVED:	F. BARIL		PROJECT	C22006	DISC.	06 - DG	007

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

L1
L2
L3
N
380V/3PH/50HZ
(TO NEXT PAGE)



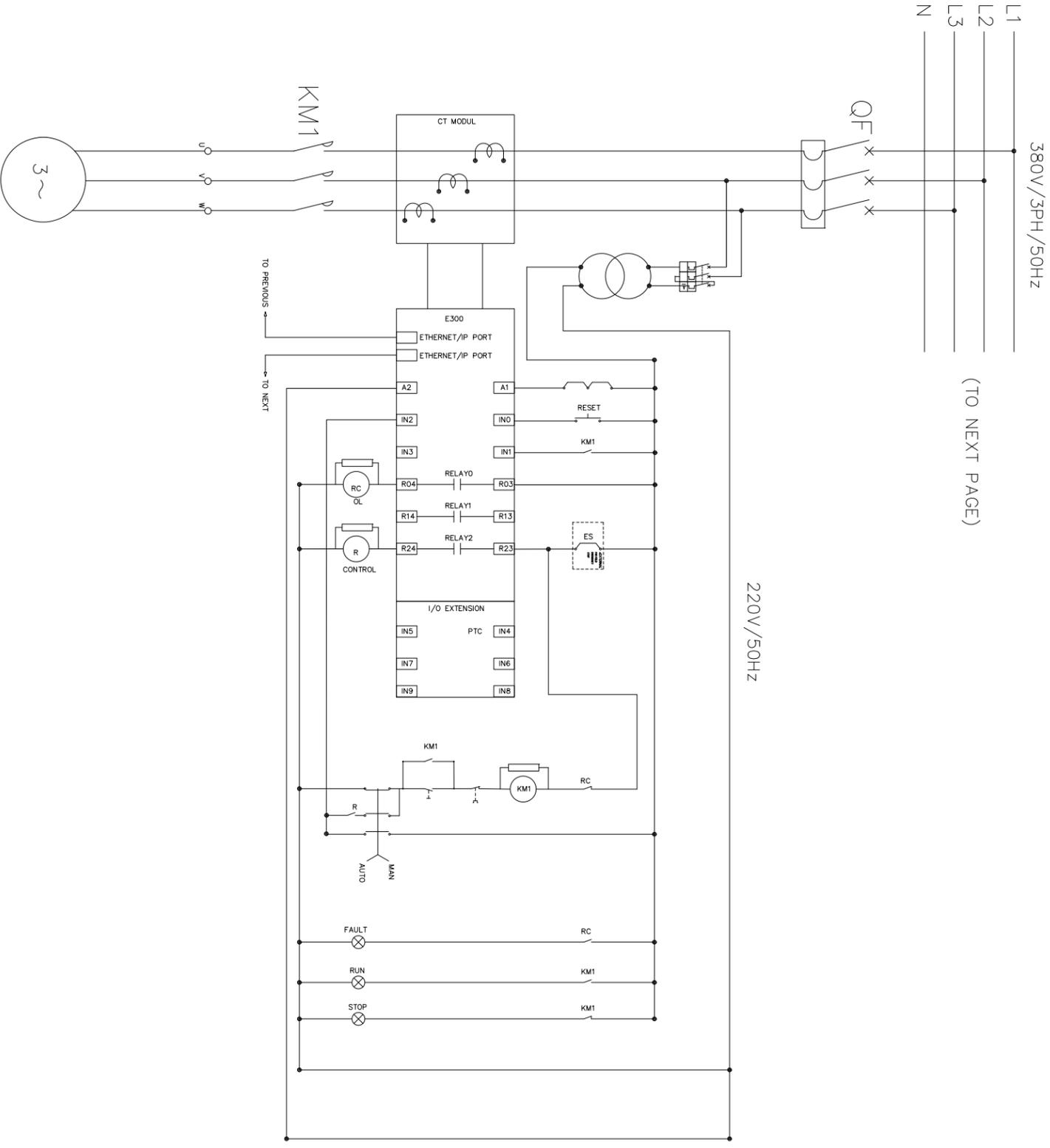
3
U
V
W
PE

3~
FILTER FEED
PUMP
SF01-PU001-MA01
(STAND-BY)

DESIGN: L.AMKHOUKH		2020-05-03		BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com		CLIENT:		DESCRIPTION:	
DRAWN: L.AMKHOUKH		2020-06-11				RMG COPPER JSC RMG MADNEULLI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		MOTOR CONTROL CENTER BE001-WC006	
VERIFY:				THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				C22006 PROJECT		UNITS: mm DRAWING NO.: 000 - 06 - DG 007 AREA DISC. TYPE SEQ.	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L.AMKHOUKH		2020-06-11				CLIENT:		DESCRIPTION:	
VERIFY:						PROJECT:		SCALE: NO	
APPROVED: F. BARIL		2020-07-27				CLIENT:		DESCRIPTION:	
DESIGN: L.AMKHOUKH		2020-05-03				PROJECT:		SCALE: NO	
DRAWN: L									

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	APPROVED: (Name)	DATE	DESIGN: LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	PROJECT:	SCALE: NO	UNITS: mm	DRAWING NO.:	FORMAT: A1	PAGE: 7/23
		0	2020-07-29				F. BARIL	2020-07-27	DRAWN: LAMKHOUKH	2020-06-11		RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	C22006	000	06 - DG	007	0	

DRYING
 COMPRESSOR
 SF01-CP001-MA01

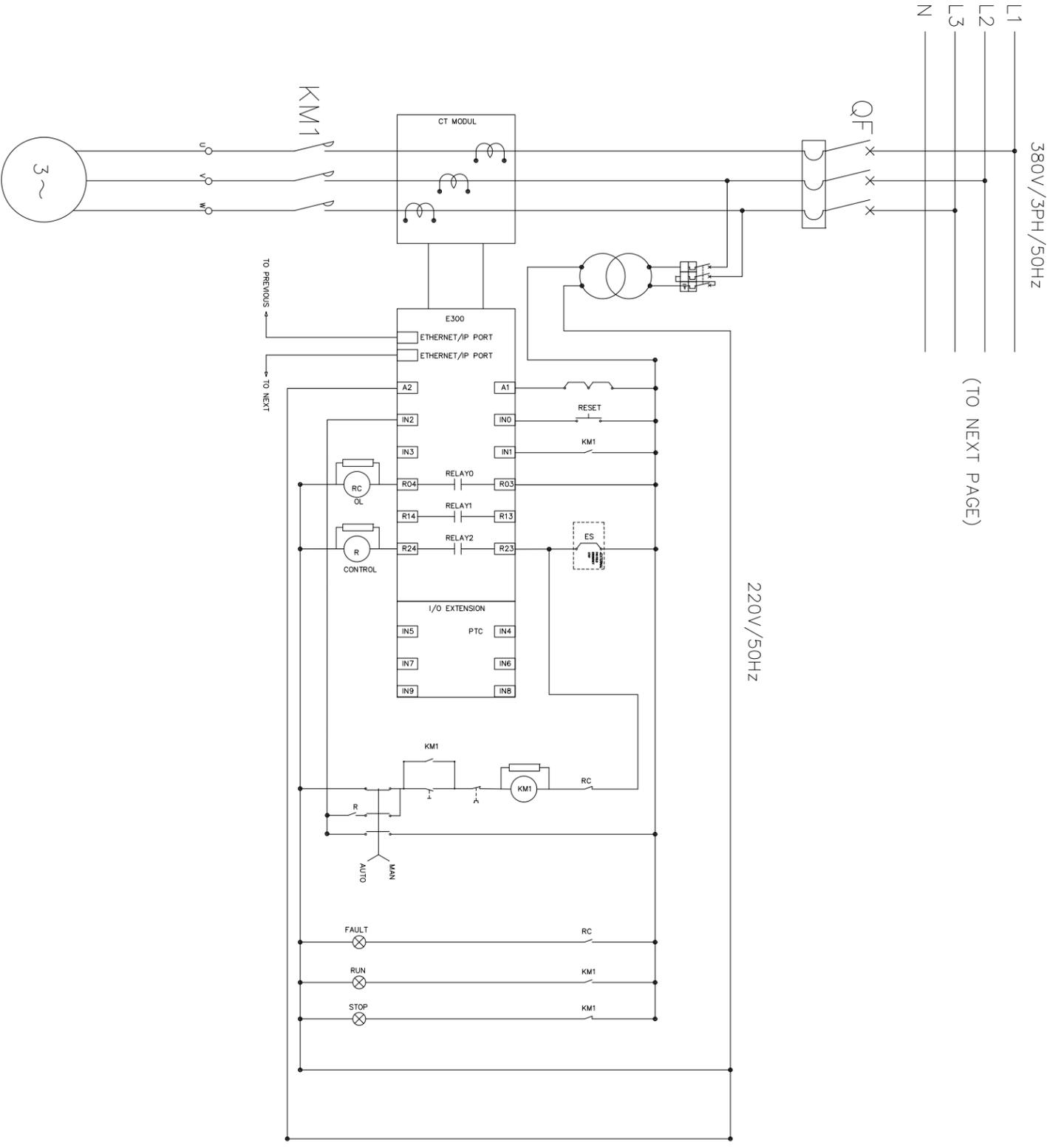


(TO NEXT PAGE)

220V/50HZ

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006			
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA				
VERIFIED:				SCALE: NO	C22006 PROJECT				
DESIGN:			APPROVED:	F. BARIL	2020-07-27	UNITS: mm	FORMAT: A1	PAGE: 8/23	
DATE:	2020-07-29	ISSUED FOR BIDDING				DRAWING NO.:	000 - 06 - DG - 007	REV.:	0
REV:	0					ANEA	DISC	TYPE	SEQ
REFERENCE DRAWINGS									
DWG. NO.									

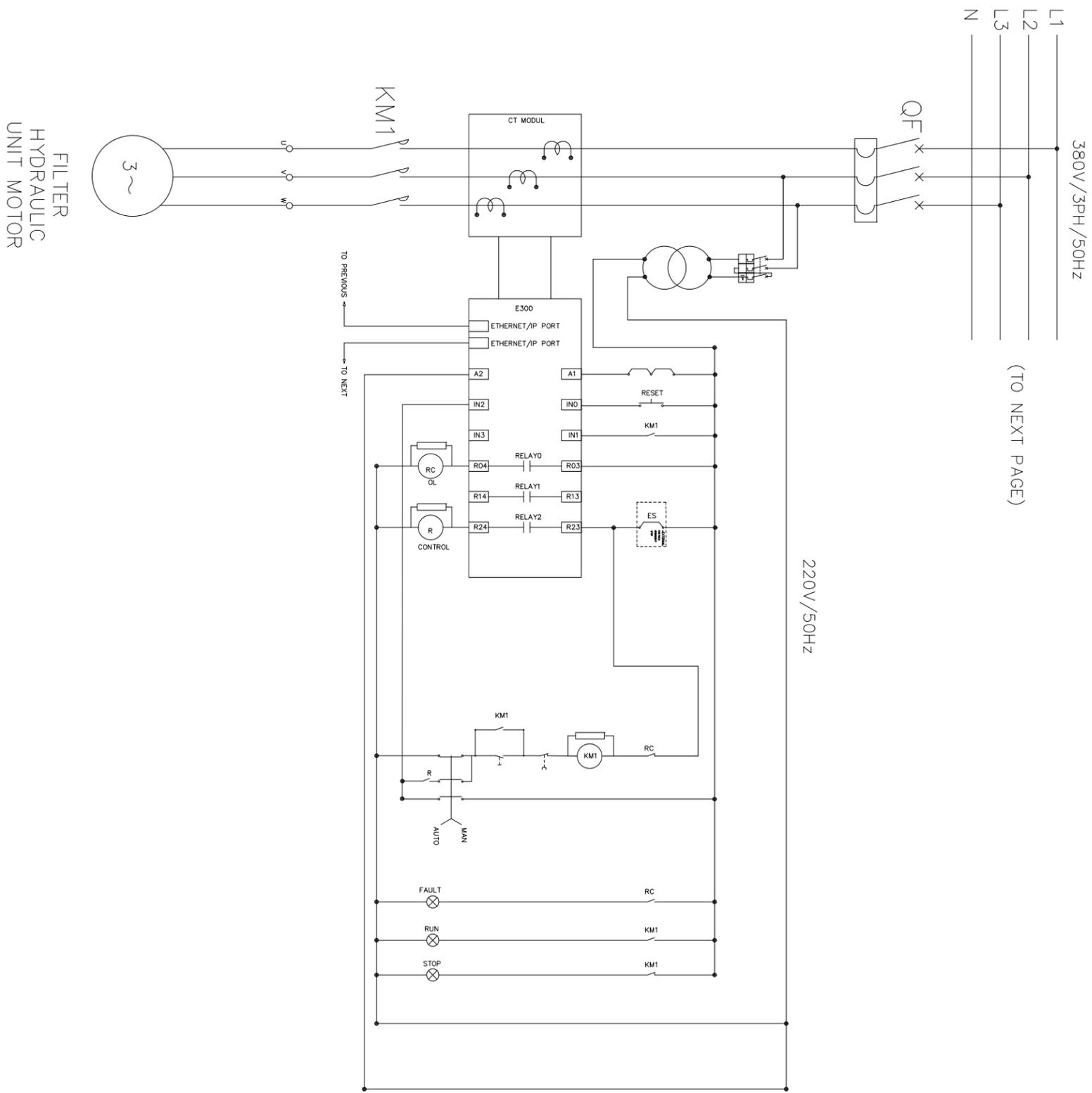
DRYING COMPRESSOR
 SF01-CP002-MA01
 (STAND-BY)



(TO NEXT PAGE)

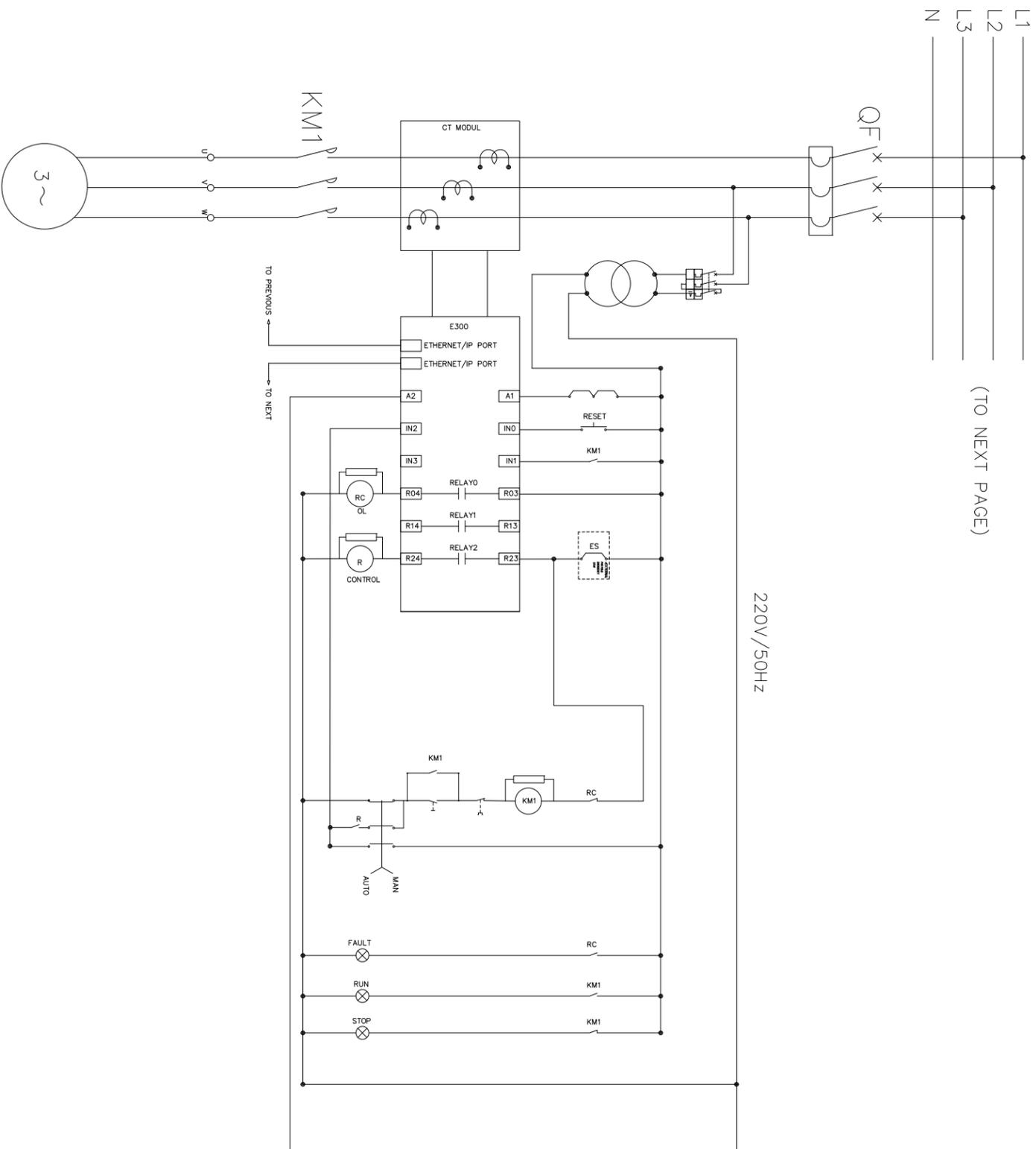
220V/50HZ

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
VERIFIED:				SCALE: NO	C22006 PROJECT	
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		UNITS: mm	DRAWING NO.: 000 - 06 - DG 007
DESIGN:					FORMAT: A1	PAGE: 9/23
DATE:	2020-07-29	ISSUED FOR BIDDING			TYPE: DISC	REV: 0
REV:	0				SEQ:	
DESCRIPTION:						
REFERENCE DRAWINGS:						
DWG. NO.:						



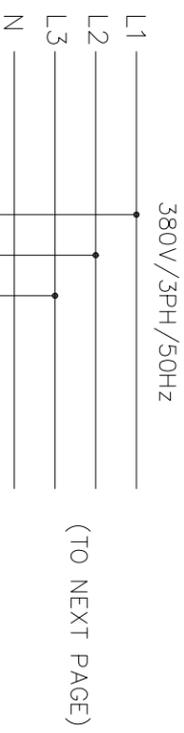
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC006	
		0	2020-07-29				DRAWN:	2020-06-11		PROJECT:		SCALE: NO	C22006	
							VERIFIED:			APPROVED:		F. BARIL	UNITS: mm	000 - 06 - DG 007

FILTER
 HYDRAULIC UNIT
 COOLER MOTOR



(TO NEXT PAGE)

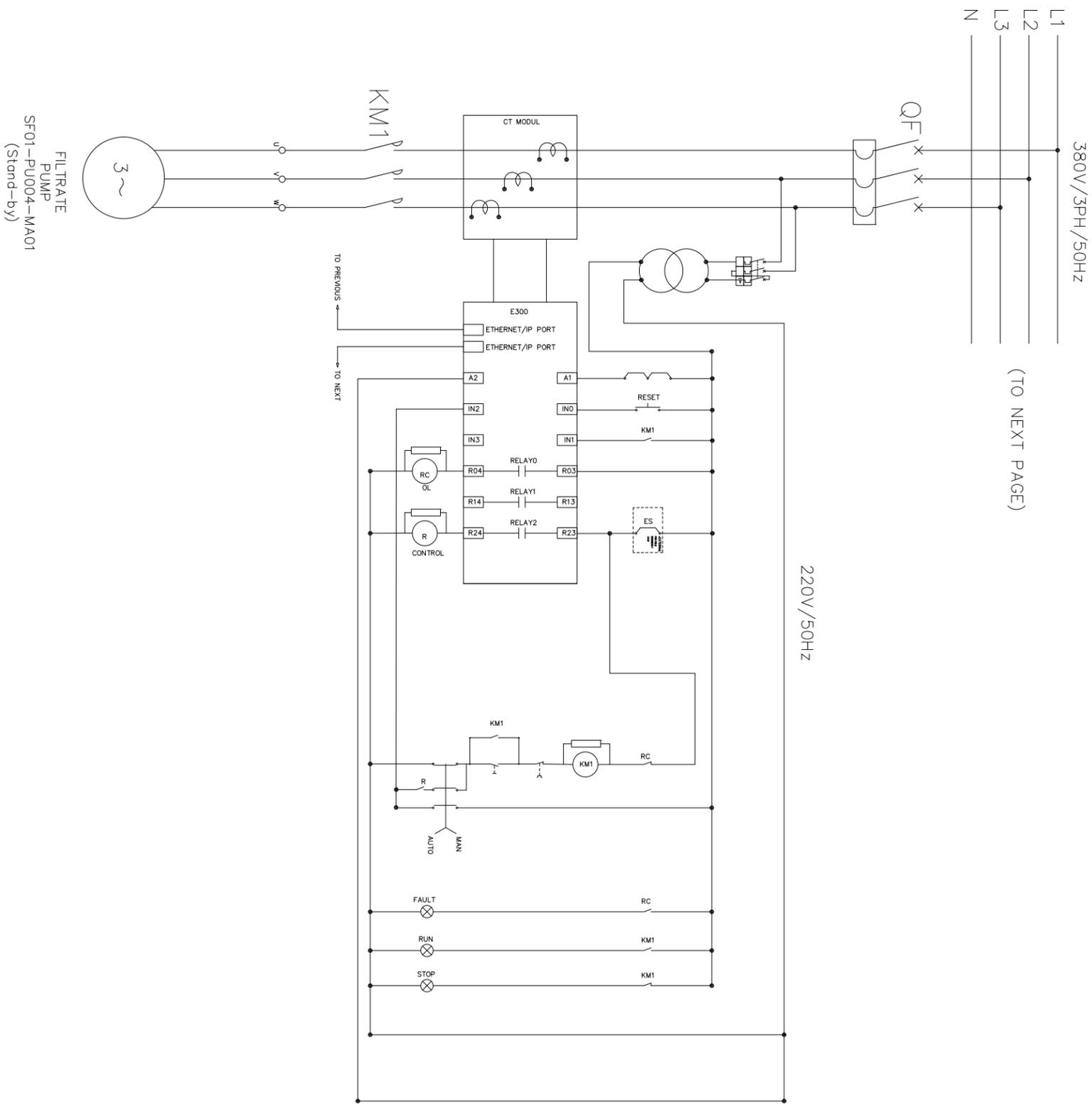
220V/50HZ



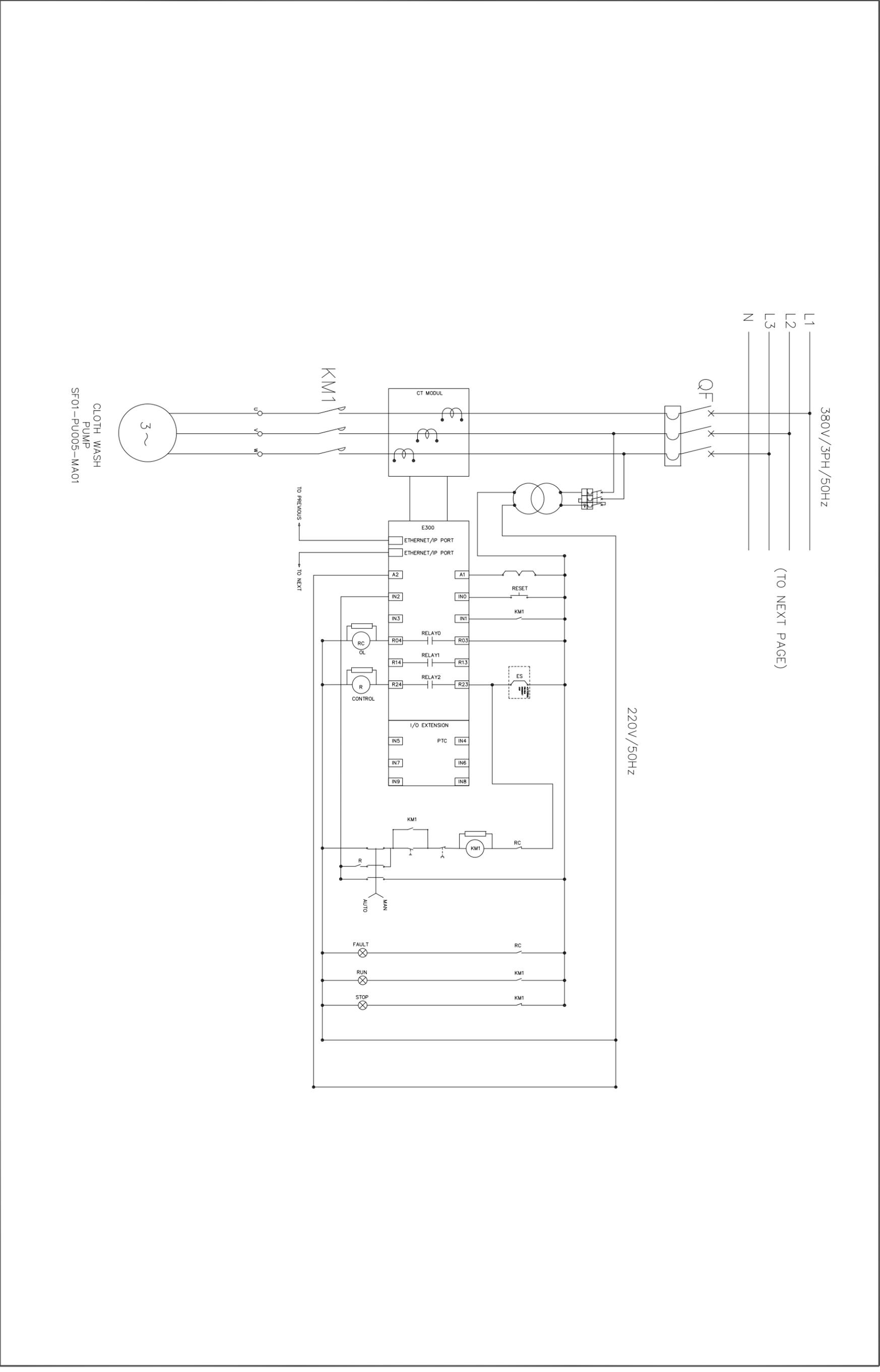
PRESSING
 WATER PUMP
 SF01-PU008-MA-001
 (Stand-BY)

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
VERIFY:				SCALE: NO	UNITS: mm		FORMAT: A1
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DATE	2020-07-29	REV.	0
ISSUED FOR BIDDING				DWG. NO.	REFERENCE DRAWINGS		
DESCRIPTION				BY			
DESCRIPTION							

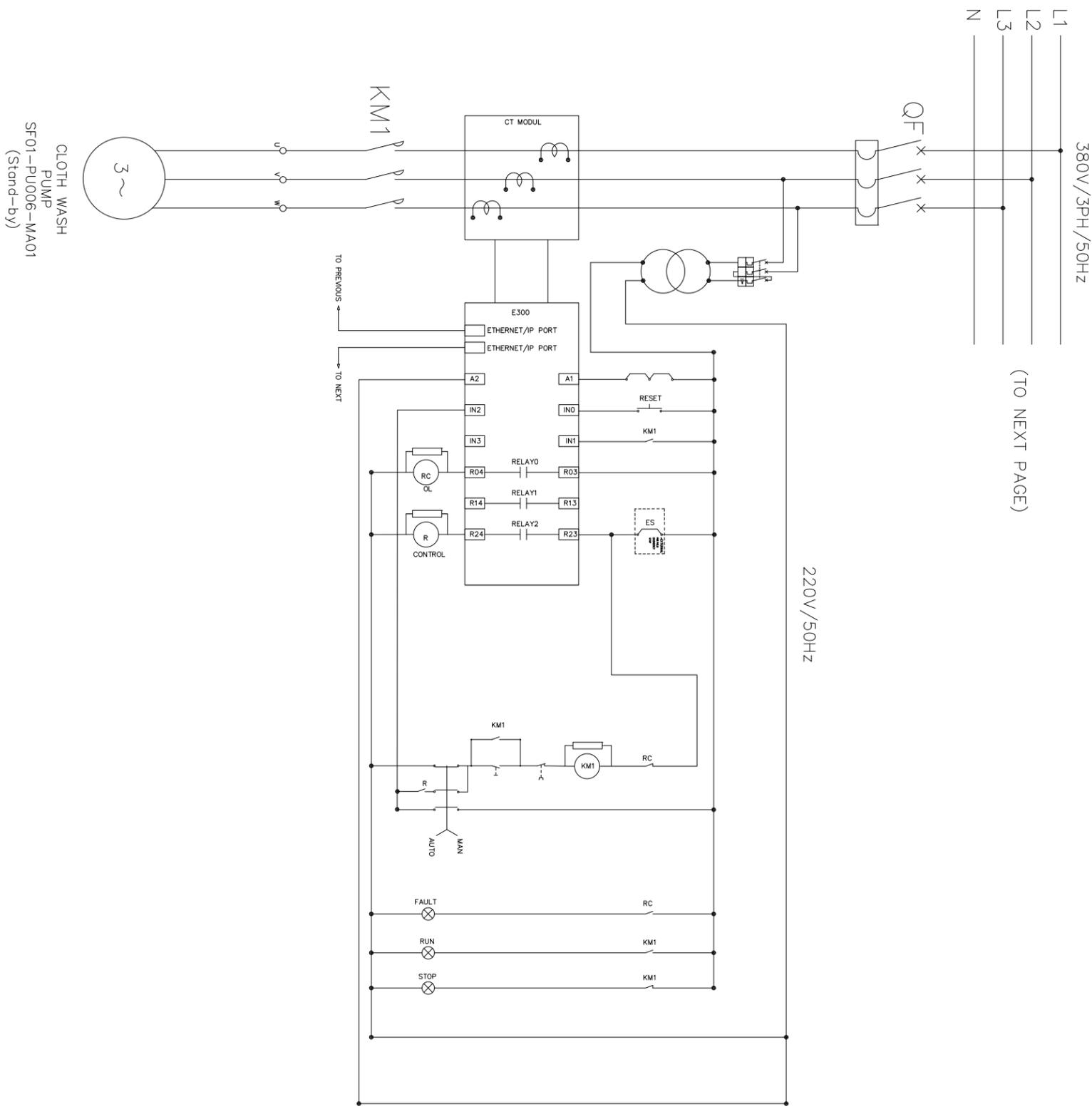
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	PROJECT: RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC006		
		0	2020-07-29				DRAWN:	LAMKHOUKH	2020-06-11		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.			SCALE: NO	C22006	DRAWING NO.:	000 - 06 - DG 007
							VERIFIED:							UNITS: mm	FORMAT: A1	PAGE: 15/23	
							APPROVED:	F. BARIL	2020-07-27								

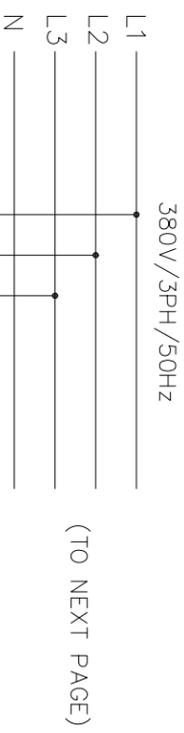


DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006		
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
VERIFIED:				SCALE: NO	C22006 PROJECT		UNITS: mm	DRAWING NO.: 000 - 06 - DG 007 ANBA
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.					
DESIGN NO.								
REFERENCE DRAWINGS								
REV	0	2020-07-29	ISSUED FOR BIDDING					
DATE								
DESCRIPTION								
BY								



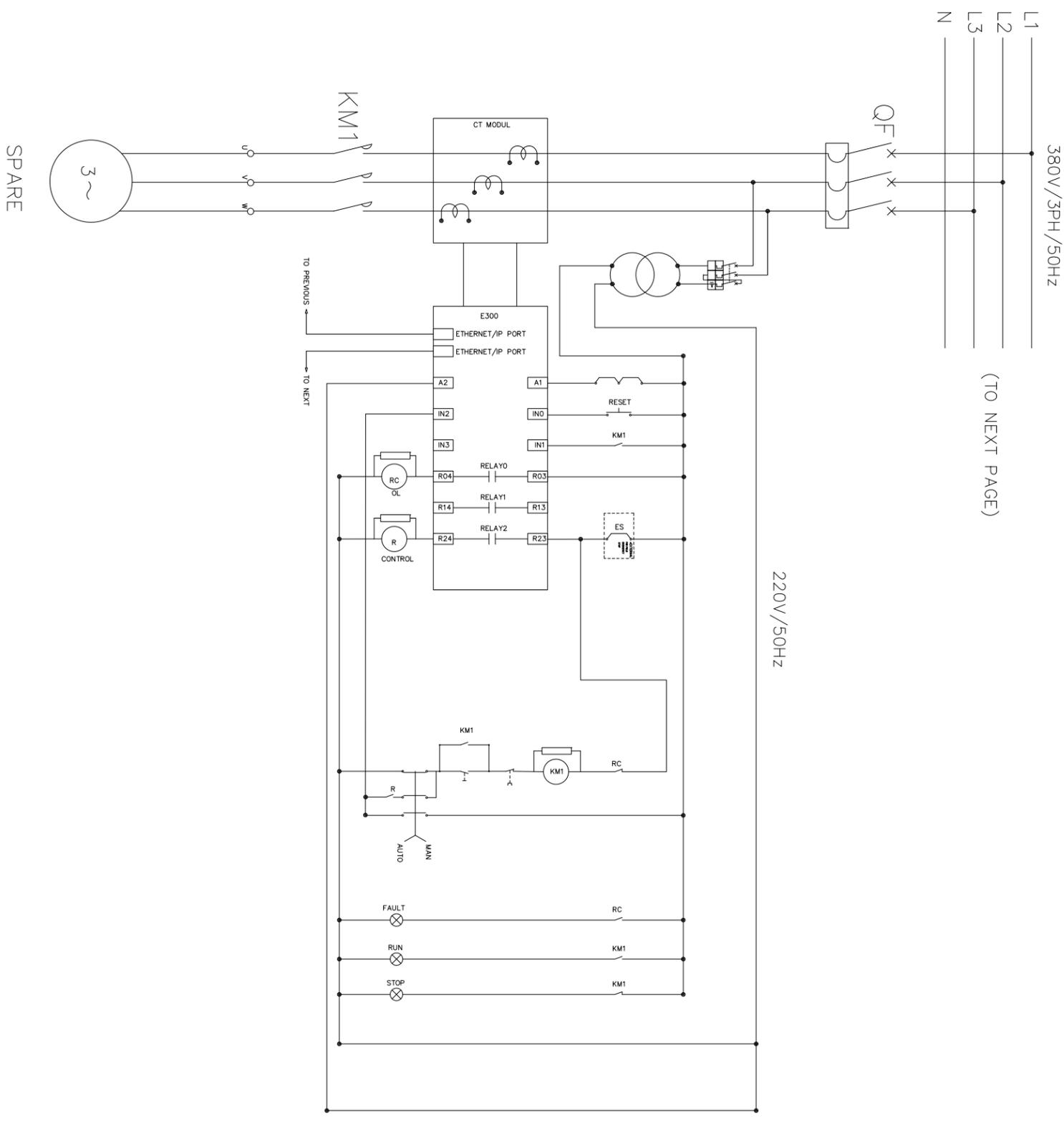
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006							
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA								
VERIFIED:				SCALE: NO	C22006 PROJECT		UNITS: mm	000 - ANA	DRAWING NO.:	06 - DG - 007	FORMAT: A1	PAGE: 17/23	
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	BY		REV	0	DATE	2020-07-29	ISSUED FOR BIDDING	DESCRIPTION	REFERENCE DRAWINGS	DWG. NO.





DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com			
DRAWN:	LAMKHOUKH	2020-06-11	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA			
DESIGN:			DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006			
REV	DATE	DESCRIPTION	SCALE: NO	UNITS: mm	FORMAT: A1	PAGE: 20/23
0	2020-07-29	ISSUED FOR BIDDING	C22006	000	06 - DG	007
			PROJECT	AREA	DISC	TYPE
						REV.
						0
DWG. NO.	REFERENCE DRAWINGS	BY	APPROVED:	F. BARIL	2020-07-27	

DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY	DESIGN:	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O. Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC006	
		0	2020-07-29			DRAWN:	2020-06-11	PROJECT:						
						VERIFIED:		SCALE: NO						
						APPROVED:		PROJECT	C22006	UNITS: mm	DRAWING NO.:	000 - 06 - DG - 007	FORMAT: A1	PAGE: 21/23
												DISC	TYPE	REV.

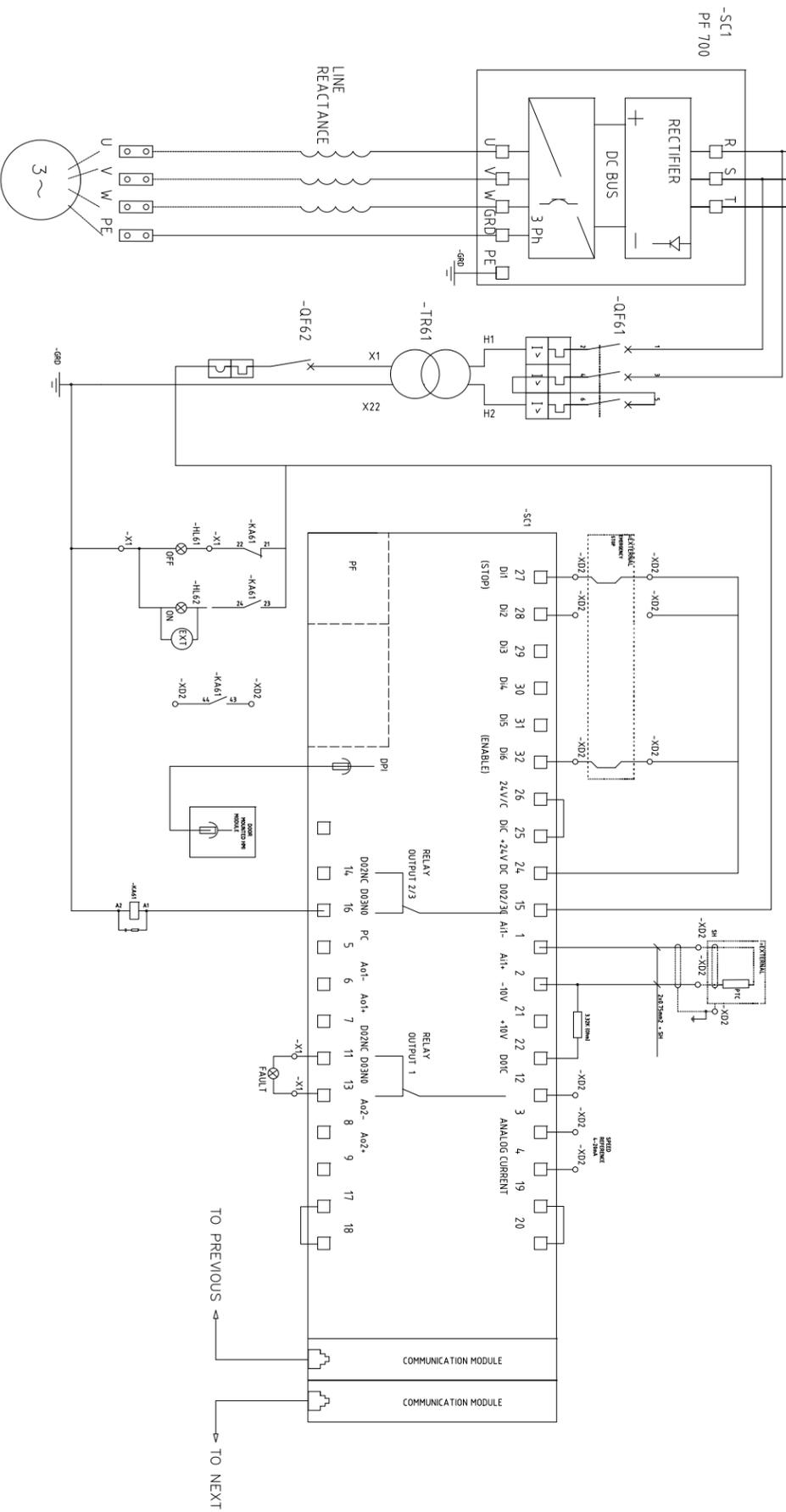
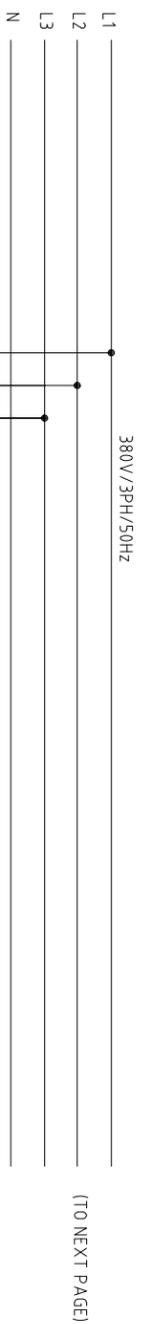


(TO NEXT PAGE)

220V/50HZ

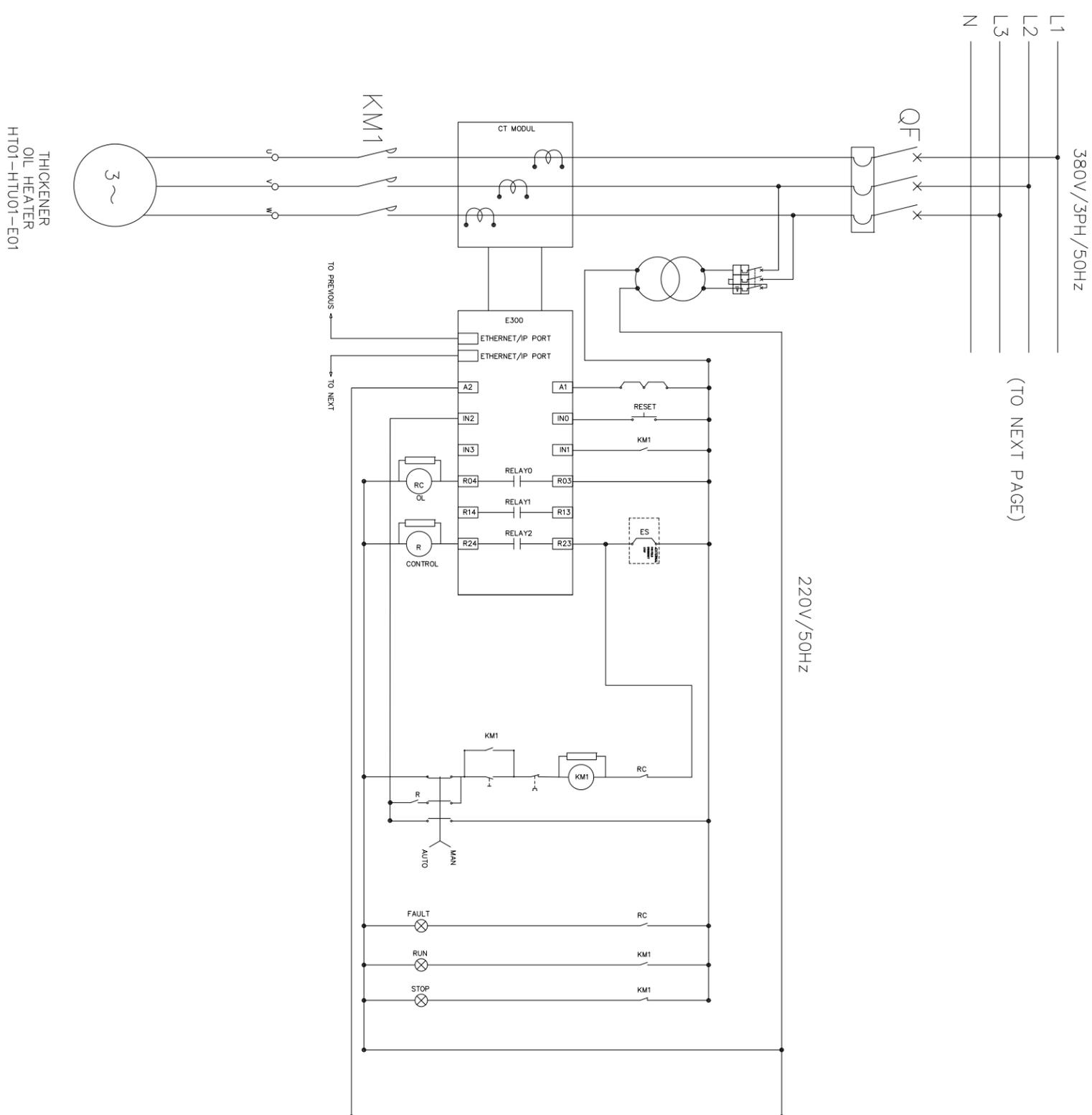
SPARE

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC006	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
VERIFIED:				SCALE: NO	C22006 PROJECT		UNITS: mm
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DESCRIPTION:	MOTOR CONTROL CENTER	FORMAT: A1	PAGE: 22/23
DESIGN:	LAMKHOUKH	2020-05-03					
DRAWN:	LAMKHOUKH	2020-06-11					
VERIFIED:							
APPROVED:	F. BARIL	2020-07-27					
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
APPROVED:							
DESIGN:							
DRAWN:							
VERIFIED:							
AP							



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tél. 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC007			
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:		SCALE: NO	DRAWING NO.:	UNITS: mm	FORMAT: A1	PAGE: 4/22
						APPROVED:	F. BARIL	2020-07-27		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		C22006	000	06	DG	008

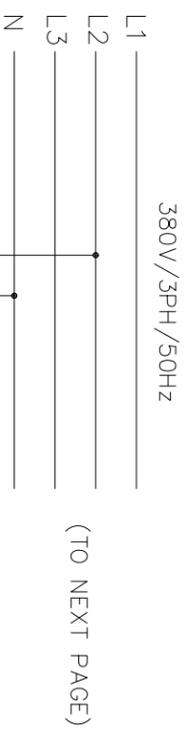
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC007
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
VERIFIED:				SCALE: NO	C22006 PROJECT	
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	UNITS: mm DRAWING NO.: 000 - 06 - DG - 008 ANBA DISC TYPE SEQ	FORMAT: A1 PAGE: 8/22	
DWG. NO.	REFERENCE DRAWINGS	REV	DATE	ISSUED FOR BIDDING	DESCRIPTION	BY
		0	2020-07-29			



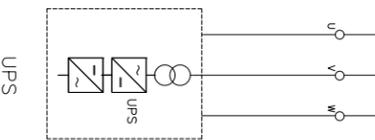
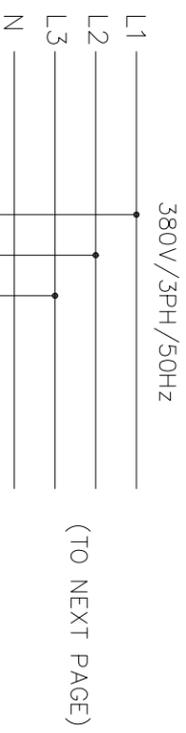
THICKENER
 OIL HEATER
 HT01-HTU01-E01

(TO NEXT PAGE)

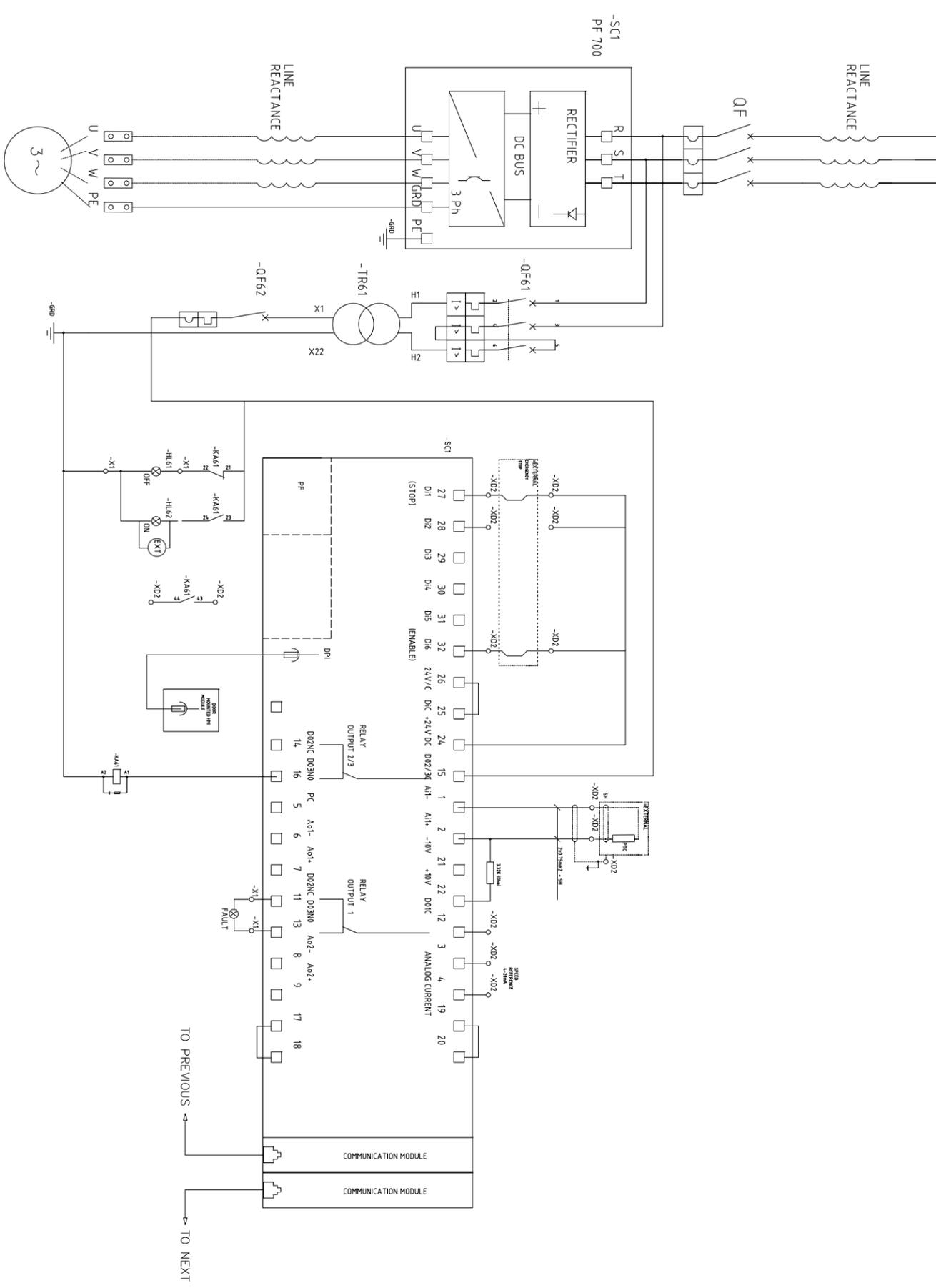
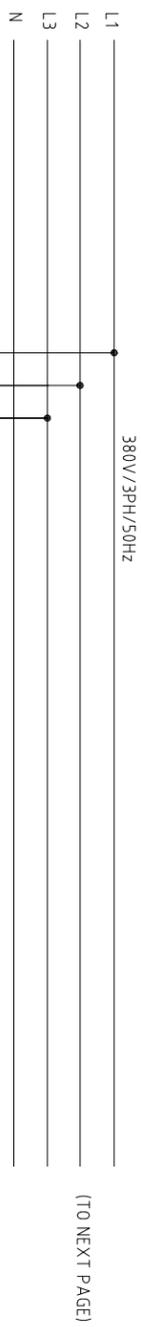
220V/50HZ



DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT: RMG COPPER JSC RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC007
DRAWN:	LAMKHOUKH	2020-06-11			
VERIFY:					
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.		
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					
DRAWN:					
VERIFY:					
APPROVED:					
BY					
DESIGN:					



DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC007										
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA											
VERIFY:				SCALE: NO	UNITS: mm		DRAWING NO.:	FORMAT: A1	PAGE: 10/22							
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	BY		PROJECT	C22006	DISC	06	TYPE	DG	SEC	008	REV.	0	
DESCRIPTION	ISSUED FOR BIDDING	DATE		2020-07-29	REV	0	DESCRIPTION	REFERENCE DRAWINGS	DATE	2020-07-29	DATE	2020-07-29	DATE	2020-07-29	DATE	2020-07-29
DESCRIPTION	ISSUED FOR BIDDING	DATE		2020-07-29	REV	0	DESCRIPTION	REFERENCE DRAWINGS	DATE	2020-07-29	DATE	2020-07-29	DATE	2020-07-29	DATE	2020-07-29
DESCRIPTION	ISSUED FOR BIDDING	DATE		2020-07-29	REV	0	DESCRIPTION	REFERENCE DRAWINGS	DATE	2020-07-29	DATE	2020-07-29	DATE	2020-07-29	DATE	2020-07-29



THICKENER
 FROTH SPRAY
 WATER PUMP
 ST01-PU008-MA01
 (Stand-by)

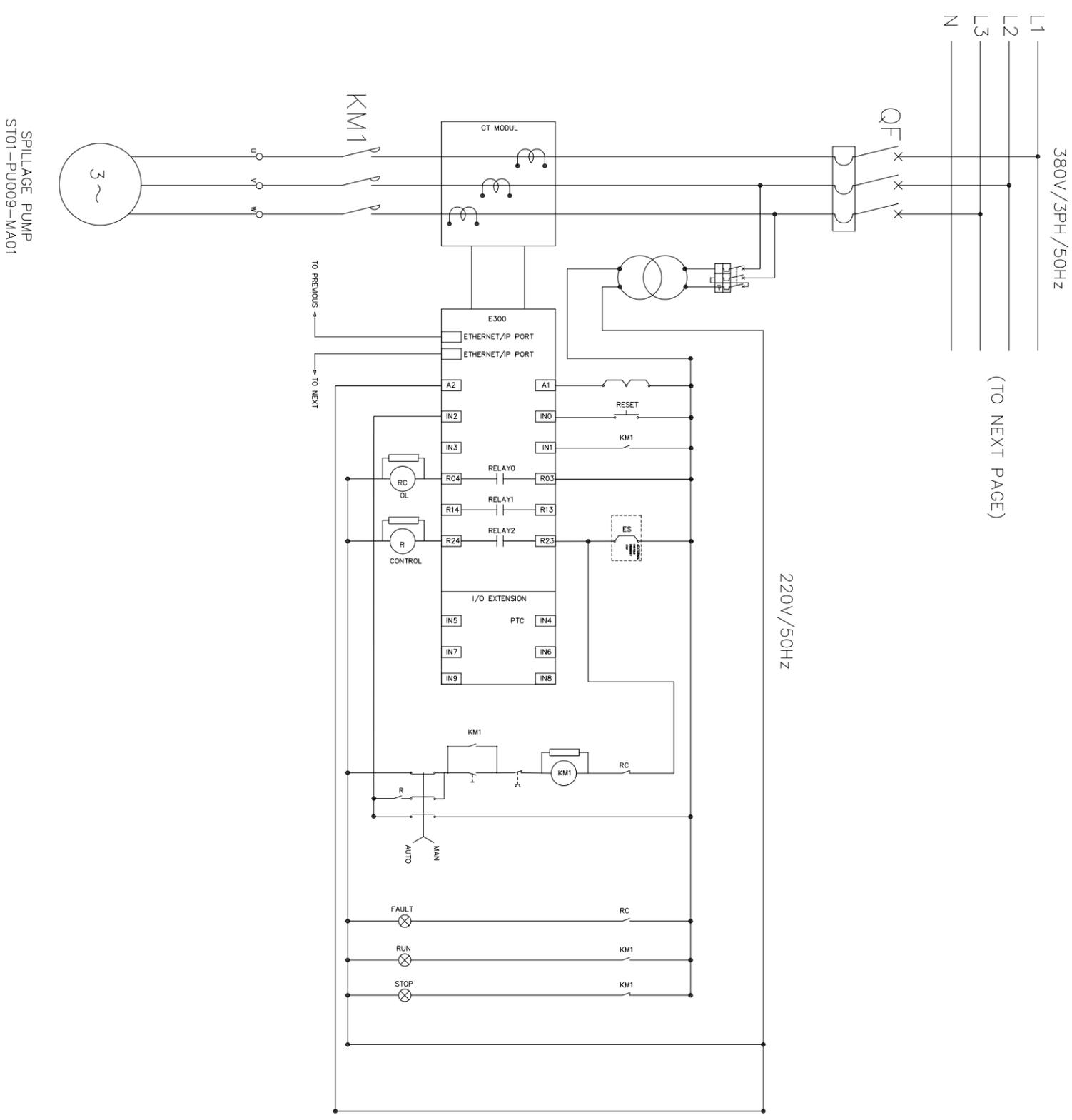
DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada TEL: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC007	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
VERIFIED:			THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	APPROVED:	F. BARIL	2020-07-27	
ISSUED FOR BIDDING				SCALE: NO	C22006	UNITS: mm	DRAWING NO.:
DATE	2020-07-29			PROJECT	AREA	DISC.	TYPE
REV	0						SEQ.
DWG. NO.							REV.

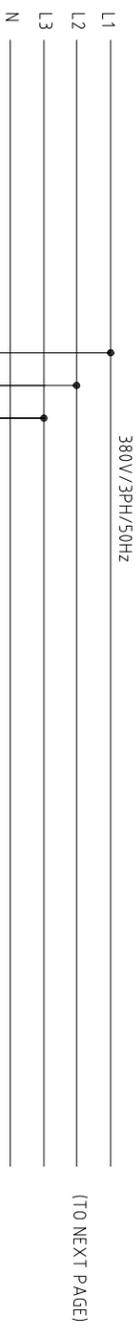
(TO NEXT PAGE)

TO PREVIOUS

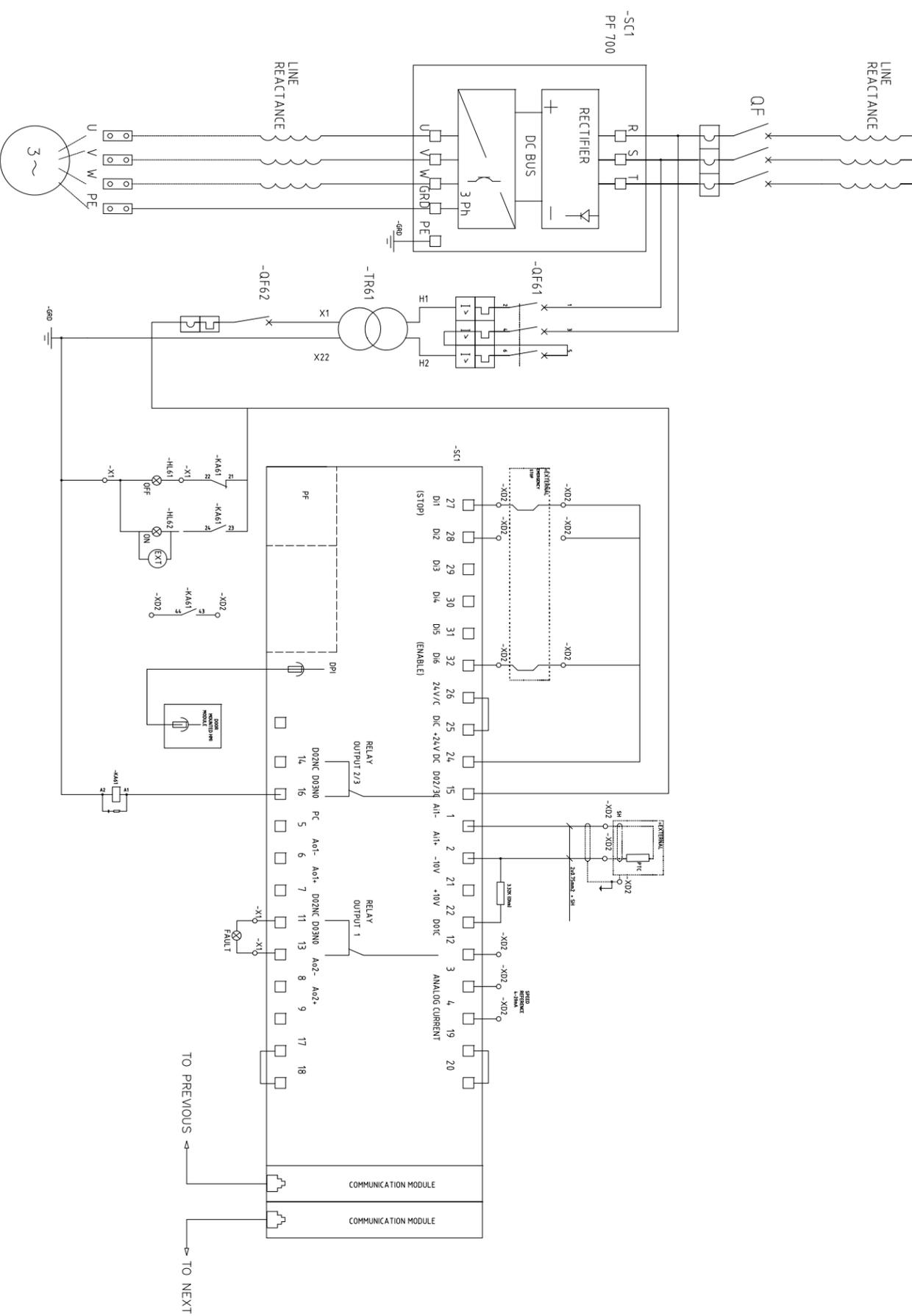
TO NEXT

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA	
VERIFIED:				DESCRIPTION:	MOTOR CONTROL CENTER BE001-WC007	
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	SCALE: NO	C22006 PROJECT	
DESIGN NO.				UNITS: mm	FORMAT: A1	PAGE: 17/22
REV	0	2020-07-29		DRAWING NO.:	000 - 06 - DG - 008	REV.:
DATE				ANEA	DISC	TYPE
DESCRIPTION	ISSUED FOR BIDDING		BY			
REFERENCE DRAWINGS						
DWG. NO.						





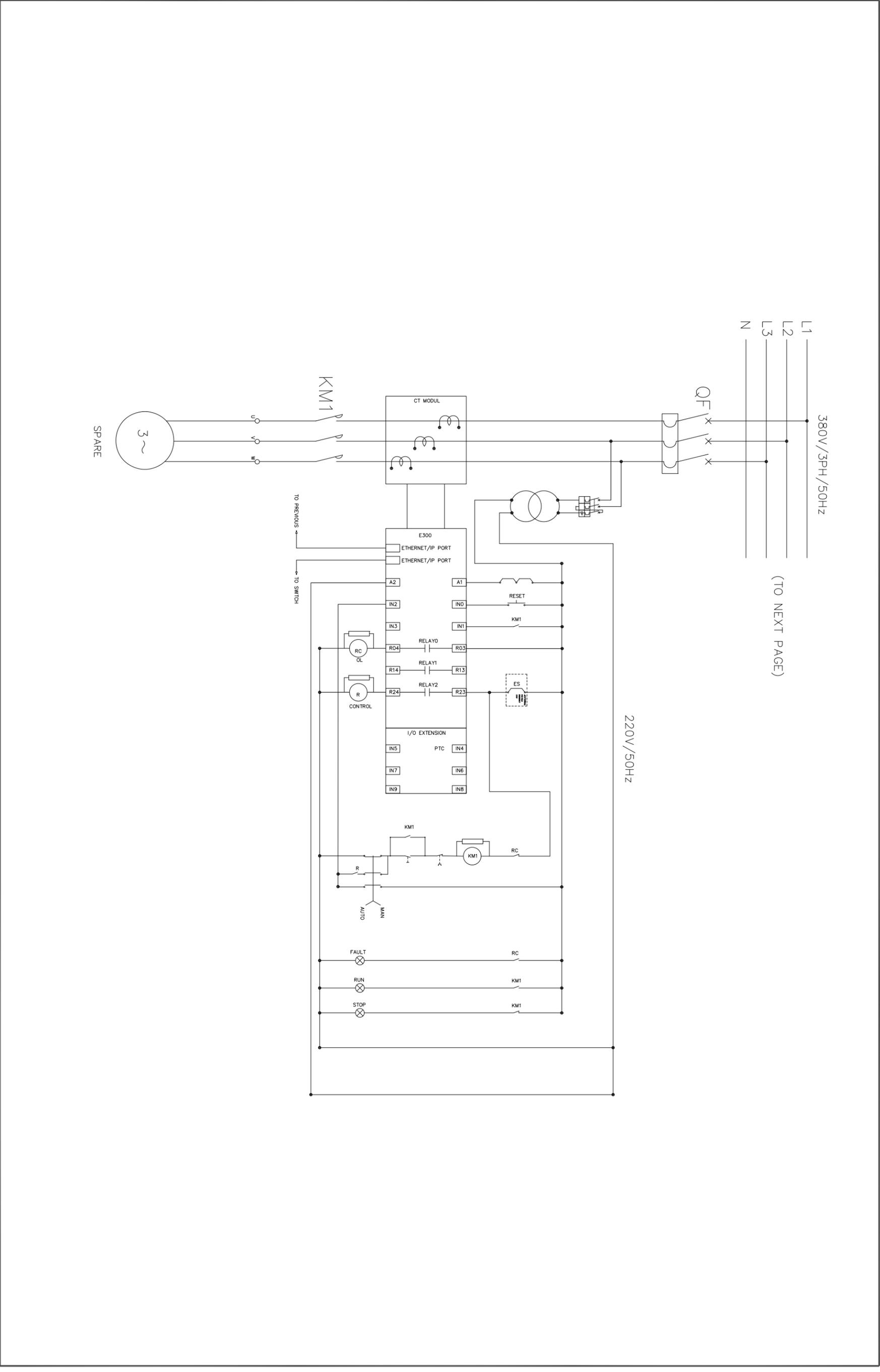
(TO NEXT PAGE)



DWG. NO.	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	BY	DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 615, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada TEL: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC007	
		0	2020-07-29	ISSUED FOR BIDDING		DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
						APPROVED:	F. BARIL	2020-07-27		SCALE: NO	C22006		UNITS: mm
						VERIFY:						FORMAT: A1	PAGE: 19/22
												DISC. TYPE	0
												SEQ.	0

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.

DESIGN:	LAMKHOUKH	2020-05-03	BUMIGEME Mining, Geology and Metallurgy 515, René-Lévesque O, Room 750 Montréal, Québec, H3B 1P5, Canada Tel: 514-843-6565, Fax: 514-843-6508, www.bumigeme.com	CLIENT:	RMG COPPER JSC	DESCRIPTION: MOTOR CONTROL CENTER BE001-WC007	
DRAWN:	LAMKHOUKH	2020-06-11		PROJECT:	RMG MADNEULI EXISTING PLANT UPGRADING PROJECT BOLNISI - GEORGIA		
VERIFIED:				SCALE: NO	C22006 PROJECT		
APPROVED:	F. BARIL	2020-07-27	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BUMIGEME INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BUMIGEME IS PROHIBITED.	DATE	2020-07-29	ISSUED FOR BIDDING	
BY				UNIT: mm	000	06	DG
				FORM: A1	008		
DWG. NO.	REFERENCE DRAWINGS	REV		FORMAT: A1	008	0	
				PAGE: 21/22			



(TO NEXT PAGE)

