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=SM+CP1/18	VFD DISPENSER	2023-01-26	CW
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=SM+CP1/21	120 VAC DISTRIBUTION	2022-12-15	CW
=SM+CP1/22	120 VAC DISTRIBUTION	2022-12-15	CW
=SM+CP1/27	CONTROL POWER DISTRIBUTION	2023-01-26	CW
=SM+CP1/32	SAFETY - LOCAL ESTOP	2023-01-26	CW
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=SM+CP1/60	PLC CONFIGURATION	2022-03-22	KW
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=SM+CP1/62	PLC DIGITAL INPUTS	2023-01-24	CW
=SM+CP1/63	PLC DIGITAL INPUTS	2022-12-15	CW

=.A01/1

DATE	2023-01-26	REV.DATE	2023-01-26
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



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= SM.A02
+

ITI-031439-1-1

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SHEET	DESCRIPTION	REV.DATE	BY
=SM+CP1/64	PLC DIGITAL INPUTS	2022-12-06	CW
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=SM+CP1/70	PLC DIGITAL OUTPUTS	2022-12-21	CW
=SM+CP1/71	PLC DIGITAL OUTPUTS	2022-12-21	CW
=SM+CP1/72	PLC DIGITAL OUTPUTS	2022-12-06	CW
=SM+CP1/73	PLC DIGITAL OUTPUTS	2022-12-21	CW
=SM+CP1/74	PLC DIGITAL OUTPUTS	2022-03-24	KW
=SM+CP1/75	PLC DIGITAL OUTPUTS	2022-12-06	CW
=SM+CP1/76	PLC DIGITAL OUTPUTS	2022-12-21	CW
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=SM+CP1/97	OP11 / OP12	2022-03-23	KW
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=SM+CP1/100	=SM+CP1-X1 600VAC MOTORS	2022-12-06	CW
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=SM+CP1/104	=SM+CP1-X6	2022-12-06	CW
=SM+CP1/105	=SM+CP1-X7 MANDREL ENCODER	2022-12-06	CW
=SM+CP1/106	=SM+CP1-X10 HEAD 1 600V	2022-12-06	CW
=SM+CP1/108	=SM+CP1-X11 HEAD 1 CONTROLS	2023-01-26	CW
=SM+CP1/109	=SM+CP1-X12 DISPENSER 1 CONTROLS	2022-12-06	CW
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=SM.Z02/450	SUMMARIZED PARTS LIST: CMR.EA9-T10CL-R	2023-01-26	CW
=SM.Z02/451	SUMMARIZED PARTS LIST: RIT.3110000	2023-01-26	CW
=SM.Z02/452	SUMMARIZED PARTS LIST: RIT.8017667	2023-01-26	CW
=SM.Z02/453	SUMMARIZED PARTS LIST: FES.539245	2023-01-26	CW
=SM.Z02/454	SUMMARIZED PARTS LIST: SIE.3RT2015-1BB41	2023-01-26	CW
=SM.Z02/455	SUMMARIZED PARTS LIST: A-B.5069-FPD	2023-01-26	CW
=SM.Z02/456	SUMMARIZED PARTS LIST: MURR.58174	2023-01-26	CW
=SM.Z02/457	SUMMARIZED PARTS LIST: BAN.TL50GYRQ	2023-01-26	CW
=SM.Z02/458	SUMMARIZED PARTS LIST: SIE.3SU1401-1BC40-1AA0	2023-01-26	CW
=SM.Z02/459	SUMMARIZED PARTS LIST: SICK.HL18-A4A3BA	2023-01-26	CW

SPECIFICATION - DESIGN OPTIONS

Physical Specifications

CONTROL CABINET BASE:	Standard	Special
WITHOUT	<input type="checkbox"/>	<input type="checkbox"/> Other
RITTAL	<input checked="" type="checkbox"/> 100mm	<input type="checkbox"/> 200mm

ENVIRONMENTAL	Standard	Special
CONTROL CABINET	<input checked="" type="checkbox"/> NEMA 12	<input type="checkbox"/> _____
CONTROL DESK	<input type="checkbox"/> NEMA 12	<input type="checkbox"/> N/A
JUNCTION BOX	<input checked="" type="checkbox"/> NEMA 12	<input type="checkbox"/> _____

CLIMATE CONTROL	Control Cabinet +40°C / +5°C	Control Desk +40°C / +5°C
FAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AIR CONDITIONER	<input type="checkbox"/>	<input type="checkbox"/>
HEATER	<input type="checkbox"/>	<input type="checkbox"/>

Electrical Specifications

ELECTRICAL POWER SOURCES	Standard	Special	Other
MAINS POWER SOURCE	<input type="checkbox"/> 480VAC	<input checked="" type="checkbox"/> 600VAC	<input type="checkbox"/> 380VAC
120/240VAC POWER SOURCE	<input checked="" type="checkbox"/> Internal	<input type="checkbox"/> Ext. UPS	<input type="checkbox"/> External
24VDC POWER SOURCE	<input checked="" type="checkbox"/> Internal	<input type="checkbox"/> Ext. UPS	<input type="checkbox"/> External

EARTHING ARRANGEMENT	Standard	Alternate 1	Alternate 2
MAINS POWER SUPPLY	<input checked="" type="checkbox"/> TN-C	<input type="checkbox"/> TN-C-S	<input type="checkbox"/> TN-S
UPS-SUPPLY 120VAC	<input checked="" type="checkbox"/> TN-S	<input type="checkbox"/> TN-C-S	<input type="checkbox"/> TN-C

- TN-C earth and neutral combined (PEN)
- TN-S earth and neutral separated (3-ph 5-wire, 1-ph 3-wire)
- TN-C-S earth and neutral separated throughout system; connected at main earthing terminal to the PEN conductor

DATE	2021-04-27	REV.DATE	2022-03-11
DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



SPECIFICATION - DESIGN OPTIONS

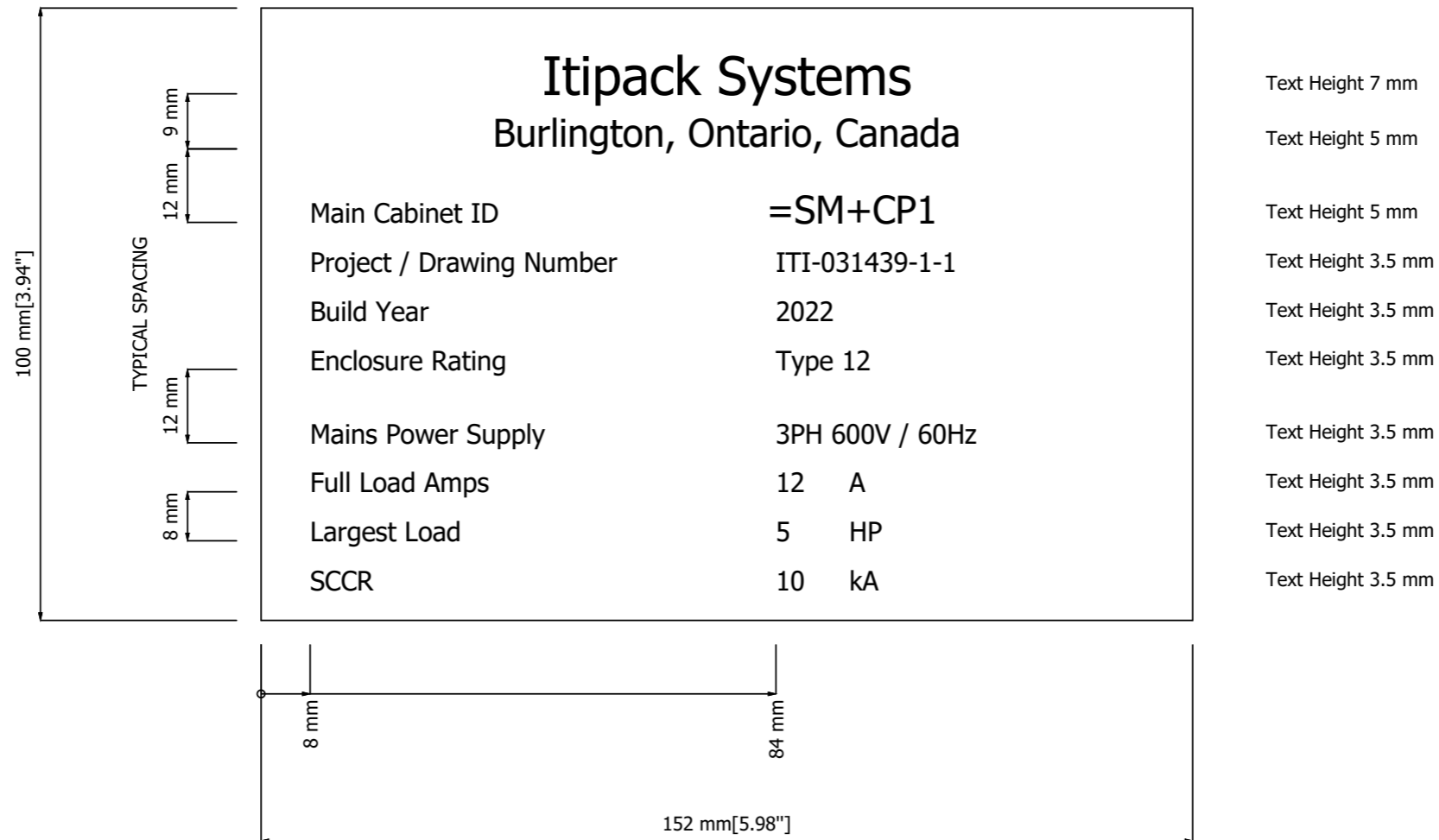
= SM.A03
+

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GENERAL MARKINGS - SINGLE POWER SOURCE

Based on UL 508A 52.1



DATE	2021-04-27	REV.DATE	2022-06-27
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



SPECIFICATION - ELECTRICAL CABINET MARKING

= SM.A03
+
ITI-031439-1-1
VERSION: I

SPECIFICATION - WIRE COLOURS

Internal Wiring, Control Circuit (Based on UL 508A 66.5.3 & 66.9.1)

Wire Colour	Colour Code	Usage Description
GREEN	GN	Ground / Protective Earth
BLACK	BK	480 / 600VAC 3-phase power circuit
ORANGE	OR	120V AC ungrounded UPS / lighting circuit conductors
WHITE W/ ORANGE	WH/OR	120V AC grounded current-carrying UPS / lighting circuit conductors
RED	RD	120VAC L+ control circuit
WHITE	WH	120VAC N control circuit
BLUE	BU	+24VDC control circuit
WHITE W/ BLUE	BU/WH	0VDC control circuit
YELLOW	YE	+24VDC UPS / externally powered circuit conductors
WHITE W/ YELLOW	WH/YE	0VDC UPS / externally powered circuit conductors

DATE	2021-04-27	REV.DATE	2021-11-02	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SPECIFICATION - WIRE COLOURS	= SM.A03	ITI-031439-1-1 VERSION: I
DESIGNED	ITI_KW	REVISED					+	
APPROVED								
STATUS	Gate Switch Added							

SPECIFICATION - WIRE COLOURS

Potential	Circuit Description	Colour Code	Minimum Wire Gauge
Main power supply circuit: 3/PE, 60Hz 600V (CAN) / 480V (USA) AC			
L1	3x480V / 600V, 60Hz, L1	BK	14 AWG
L2	3x480V / 600V, 60Hz, L2	BK	14 AWG
L3	3x480V / 600V, 60Hz, L3	BK	14 AWG
UPS-supply single phase: L/N/PE, 60Hz 120V AC			
UL	120V, 60Hz, L+	OR	14 AWG
UN	120V, 60Hz, Neutral	WH/OR	14 AWG
Single phase circuit: L/N/PE, 60Hz 120V AC			
L	120V, 60Hz, L+	RD	14 AWG
N	120V, 60Hz, Neutral	WH	14 AWG
Protective			
PE	Protective earth / Ground	GN	14 AWG
Control circuit: 24V DC			
+24C	CPU / safety devices power	BU	18 AWG
+24Q	Input / output power - always on	BU	18 AWG
+24E	Output power - off when estop condition	BU	18 AWG
+24S	Output power - off when fence open condition	BU	18 AWG
+24B	AC motor holding brake power supply	BU	18 AWG
0V	Internal control circuit	WH/BU	18 AWG
UPS-supply / externally powered circuit: 24V DC			
+24U	24V DC UPS	YE	18 AWG
0VU	24V DC UPS	WH/YE	18 AWG
+	24V DC external circuit	YE	18 AWG
-	24V DC external circuit	WH/YE	18 AWG

DATE	2021-04-27	REV.DATE	2021-08-03
DESIGNED	ITI_KW	REVISED	
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



SPECIFICATION - WIRE COLOURS

= SM.A03
+
ITI-031439-1-1
VERSION: I

SPECIFICATION - TERMINAL STRIPS

Terminal Strip Numbering	Usage Description	Terminal Strip Definitions
X0	Power circuit potential distribution block: 380-500V / 600V AC	=.+CP1-X0 = 600VAC DISTRIBUTION
X1	Power circuit: 380-500V / 600V AC	=.+CP1-X1 = 600VAC MOTORS
X2	Power circuit: 120/240V AC	=.+CP1-X2 = 120VAC DISTRIBUTION
X3	Power circuit: 32V AC	=.+CP1-X2 = 32VAC DISTRIBUTION
X4	Safety circuit distribution: 24V DC	=.+CP1-X4 = SAFE TORQUE OFF
X5	Control circuit: 24V DC	=.+CP1-X5 = 24VDC DISTRIBUTION
X6	24V holding brake power	
X7	Encoder connection	=.+CP1-X7 = MANDREL ENCODER
X8	Customer hard-wired integration / interlocks	=.+CP1-X8 = CUSTOMER INTERLOCKS
X9	Not defined	
X10	Strapping head 1 connection	=.+CP1-X10 = HEAD 1 600V
X11	Head 1 / bander 1 connections	=.+CP1-X11 = HEAD 1 CONTROLS
X12	Dispenser 1 Control Box	=.+CP1-X12 = DISPENSER 1 CONTROLS

DATE	2021-04-27	REV.DATE	2022-03-23	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SPECIFICATION - TERMINALS	= SM.A03	
DESIGNED	ITI_KW	REVISED	KW					+
APPROVED								
STATUS	Gate Switch Added							
							ITI-031439-1-1	VERSION: I


SPECIFICATION - PLUGS

Plug Numbering

Designation	Example
HIGHER FUNCTION	=SM+CP1
ID	-XS
COUNTER	1

Plug Definitions

Plug Definitions
=SM+CP1-PL1 = EXAMPLE

DATE	2021-04-27	REV.DATE	2021-08-03	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 <small>AUTOMATED STRAPPING SYSTEMS</small> ITIPACK SYSTEMS BURLINGTON CANADA <small>+1 (905) 333 3695</small>	SPECIFICATION - PLUGS	= SM.A03	7	
DESIGNED	ITI_KW	REVISED							+
APPROVED									
STATUS	Gate Switch Added								ITI-031439-1-1

SPECIFICATION - NUMBERING

CABLE NUMBERING

Designation	Example
HIGHER FUNCTION	=SM+CP1
ID	-CBL
PAGE NUMBER	10
COLUMN NUMBER	4
SUB-COUNTER	B

WIRE NUMBERING

Designation	Example
PAGE NUMBER	10
COLUMN NUMBER	4
SUB-COUNTER	B

- ALL CABLES AND WIRES TO BE LABELLED USING BRADY ADHESIVE WIRE LABELS


DATE	2021-04-27	REV.DATE	2021-08-03	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SPECIFICATION - NUMBERING		= SM.A03
DESIGNED	ITI_KW	REVISED				+		
APPROVED								
STATUS	Gate Switch Added					ITI-031439-1-1	VERSION: I	

HIGHER LEVEL ASSIGNMENT

Function Identifier	Example
=SM.A01	COVER SHEET
=SM.A02	TABLE OF CONTENTS
=SM.A03	DESIGN SPECIFICATIONS
=SM.A06	OVERVIEWS
=SM.A07	DEVICE LOCATIONS
=SM.Z01	BILL OF MATERIALS
=SM.Z02	SUMMARIZED B.O.M.
=SM	STRAPPING MACHINE

LOCATION DESIGNATION

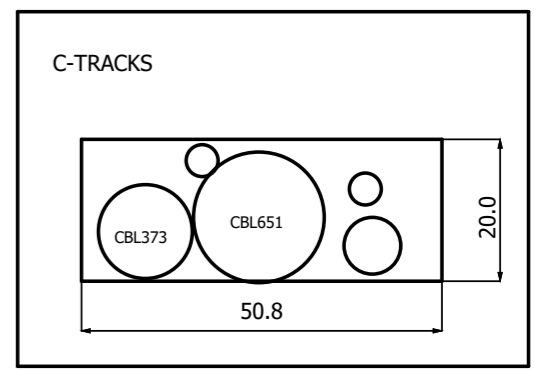
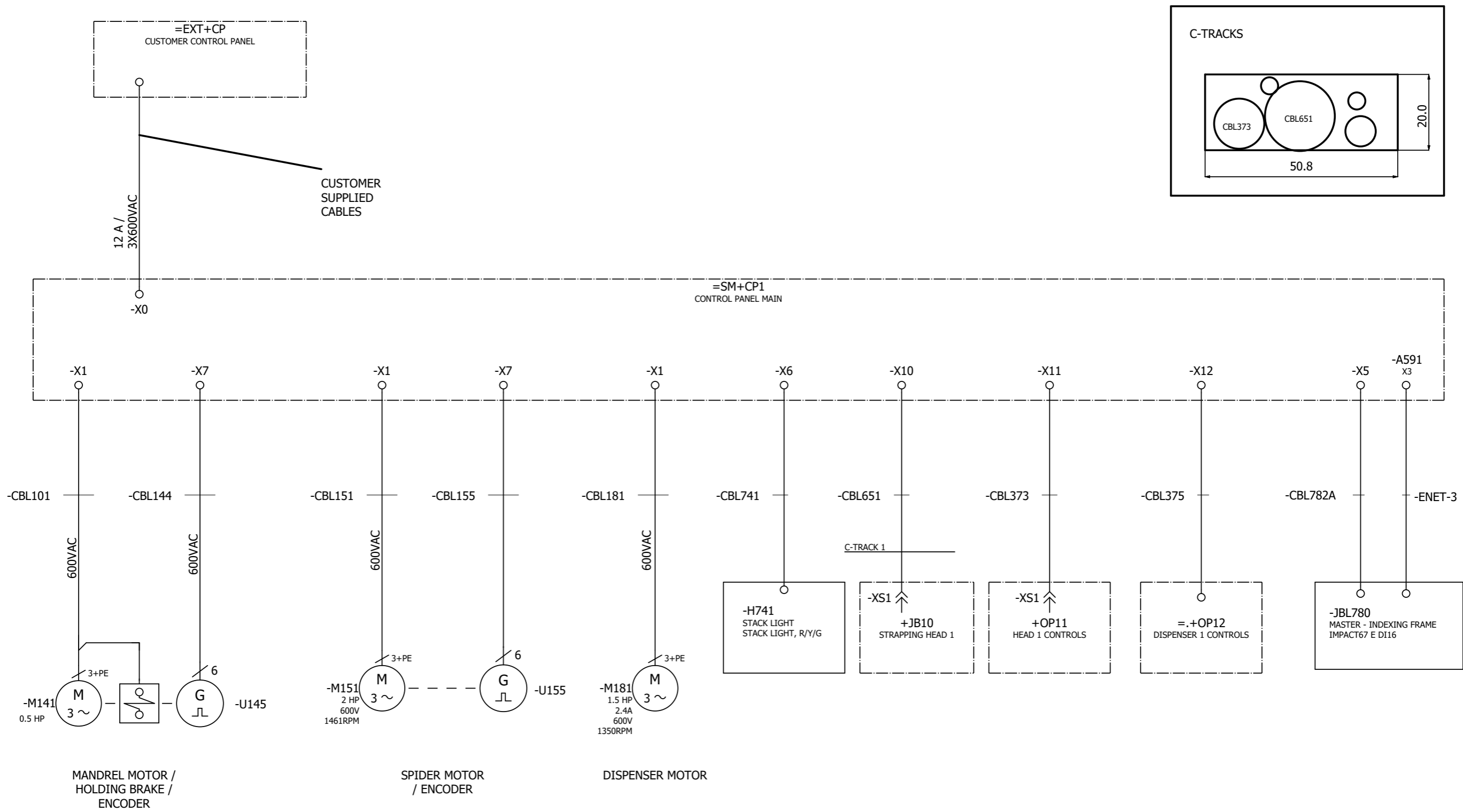
Location Identifier	Example
+EXT	CONTROLS ON SITE
+CP1	CONTROL PANEL MAIN
+JB10	STRAPPING HEAD 1
+OP11	HEAD 1 CONTROLS
+OP12	DISPENSER 1 CONTROLS

DATE	2021-04-27	REV.DATE	2021-08-19	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 <small>AUTOMATED STRAPPING SYSTEMS</small> ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	HIGHER LEVEL ASSIGNMENT / LOCATION DESIGNATIONS		= SM.A03
DESIGNED	ITI_KW	REVISED				+		
APPROVED								
STATUS	Gate Switch Added							
						ITI-031439-1-1	VERSION: I	9

SPECIFICATION - DEVICE DESIGNATIONS

Identifier	Usage Description
A	AUTOMATION DEVICE (PLC, HMI, NETWORK SWITCH)
AC	AIR CONDITIONING UNIT
BR	MOTOR BRAKE
CBL	CABLE
CR	CONTROL RELAY / CONTACTOR
E	GENERAL ELECTRIC DEVICE - HEATER, DOOR LOCK, ETC
F	FUSE / CIRCUITBREAKER
H	INDICATION / LIGHT
JBL	DISTRIBUTED IO BLOCK
M	MOTOR
PB	PUSHBUTTON
PBL	LIGHTED PUSHBUTTON
PS	POWER SUPPLY
R	RESISTOR/POTENTIOMETER
S	SENSOR / SWITCH (NON-PUSHBUTTON)
SS	SELECTOR SWITCH
SR	SAFETY RELAY (MASTER OF SAFETY CIRCUIT)
T	TRANSFORMER
U	UNDEFINED - WELD UNIT, NETWORK SWITCH, ENCODER
VFD	VARIABLE FREQUENCY DRIVE
X	TERMINAL STRIP
XS	PLUG
Y	SOLENOID VALVE

DATE	2021-04-27	REV.DATE	2021-08-03	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SPECIFICATION - DEVICE DESIGNATIONS		= SM.A03
DESIGNED	ITI_KW	REVISED				+		
APPROVED								
STATUS	Gate Switch Added							
						ITI-031439-1-1	VERSION: I	10



All cables not marked with a specific voltage are 24V DC

All cables not marked as "Customer Supplied" will be supplied by Itipack

=.A03/10





DATE	2021-04-27	REV.DATE	2022-12-06
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

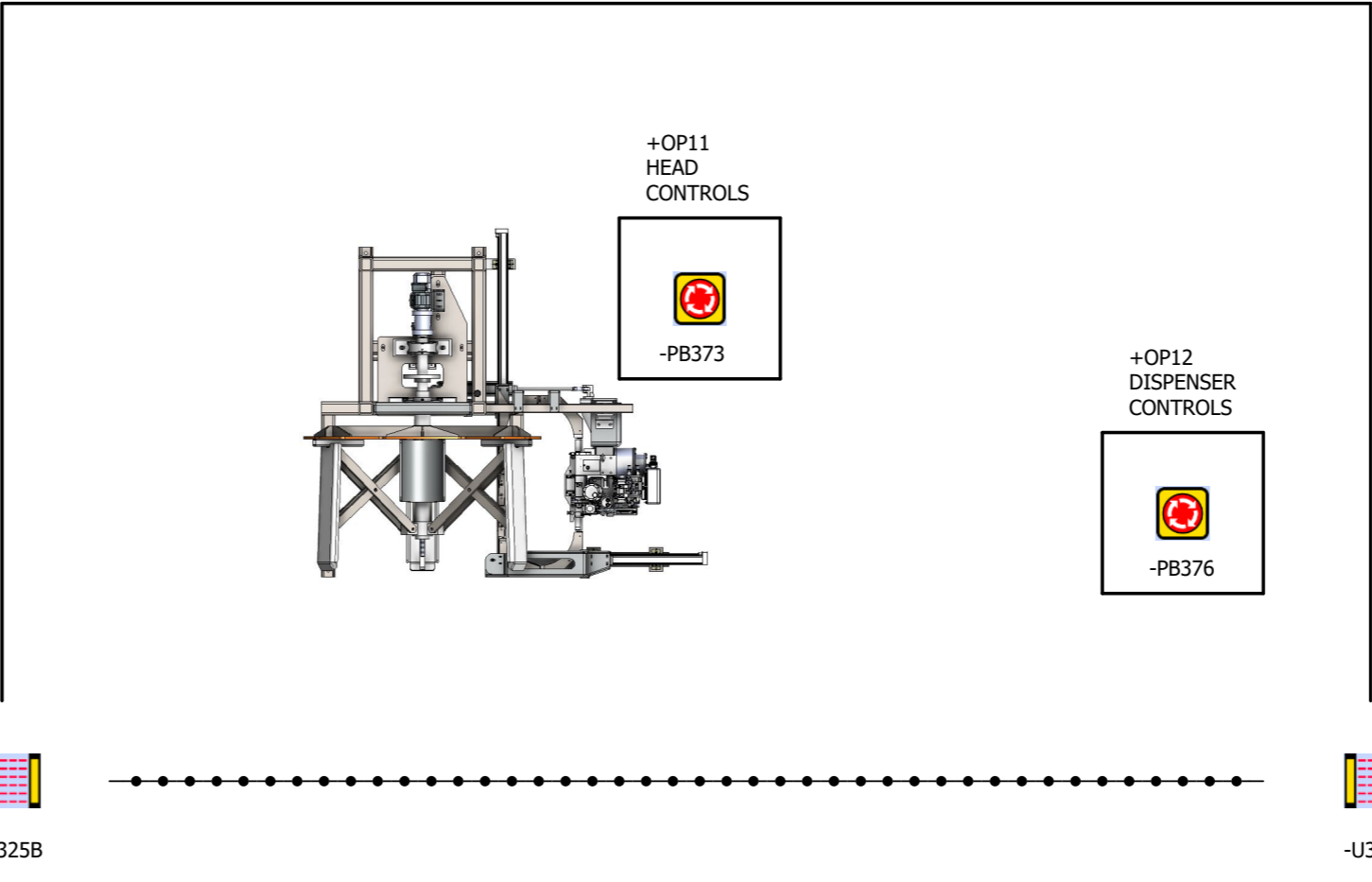
ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



OVERVIEW - CABLES

= SM.A06
+
ITI-031439-1-1
VERSION: I

	ESTOP
	RESET
	LIGHT CURTAIN
	ENABLE DEVICE



DATE	2021-04-27	REV.DATE	2022-03-11
DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
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OVERVIEW - SAFETY

= SM.A06
+
ITI-031439-1-1
VERSION: I

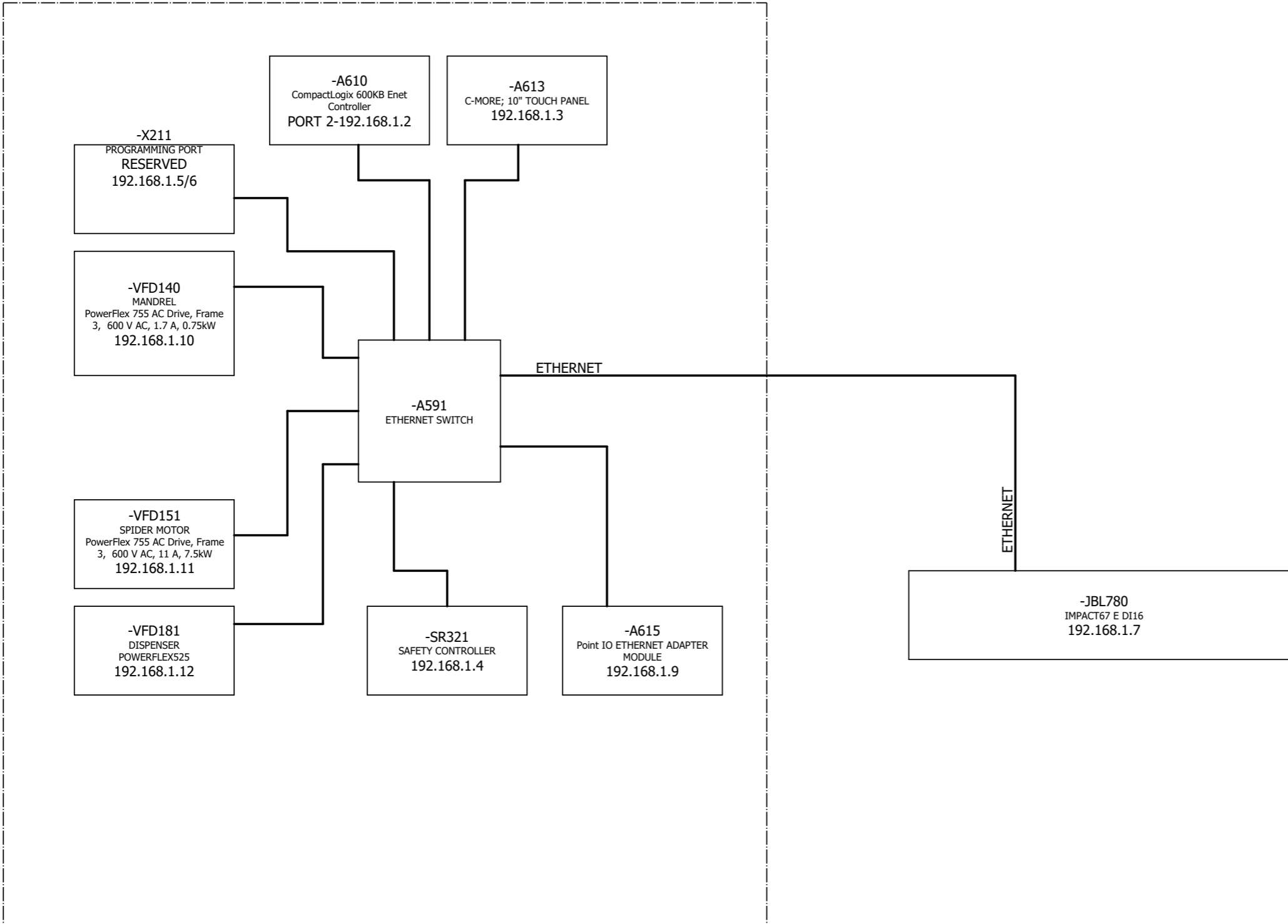
Local Network Protocol: Ethernet/IP
 Subnet: 192.168.1.0
 Mask: 255.255.255.0
 Gateway: N/A

Number of IP Addresses Required: 10

Software: Studio5000 v32

TYPICAL COMPONENT IP ADDRESS LIST	
192.168.1.2	PLC
192.168.1.3	HMI
192.168.1.4	BANNER SAFETY
192.168.1.5	TECHNICIAN 1
192.168.1.6	TECHNICIAN 2
192.168.1.7	DISTRIBUTED IO
192.168.1.9	POINT IO
192.168.1.10	VFD MANDREL
192.168.1.11	VFD CLAMPING
192.168.1.12	VFD DISPENSER

=,+CP1
 CONTROL PANEL
 MAIN



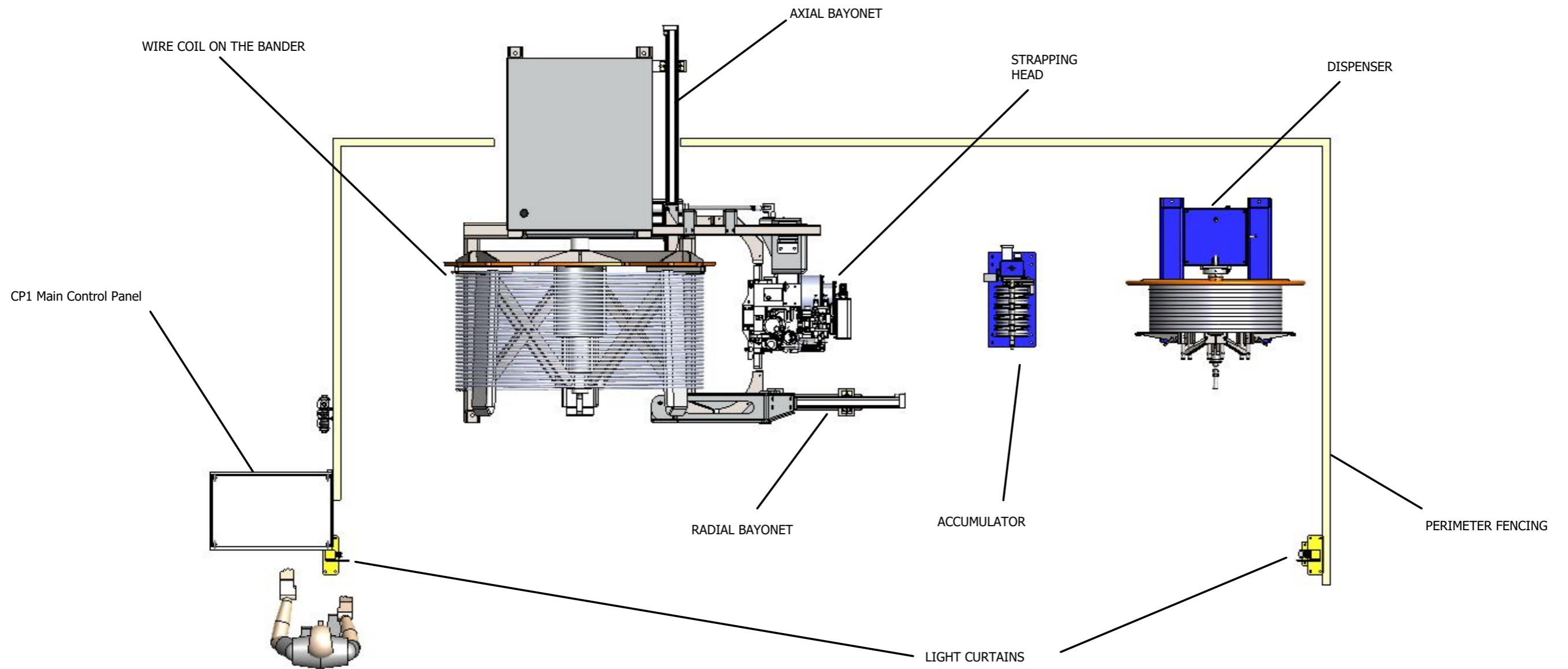
DATE	2021-04-27	REV.DATE	2022-03-22
DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



OVERVIEW - ETHERNET

= SM.A06
+
ITI-031439-1-1
VERSION: I



=.A06/3

DATE	2022-01-12	REV.DATE	2022-04-01
DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER

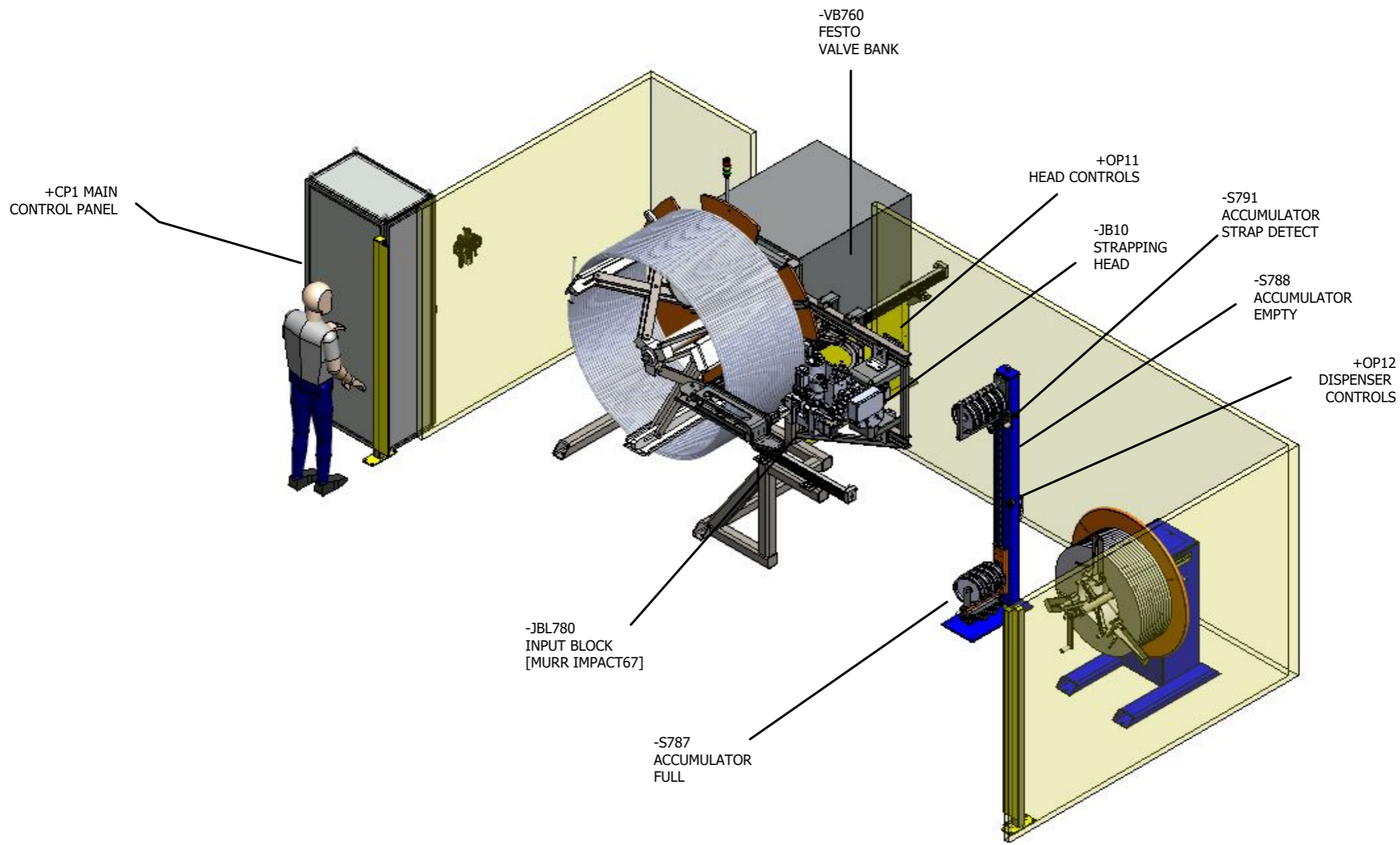


DEVICES - OVERVIEW 2D

= SM.A07
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ITI-031439-1-1

VERSION: I



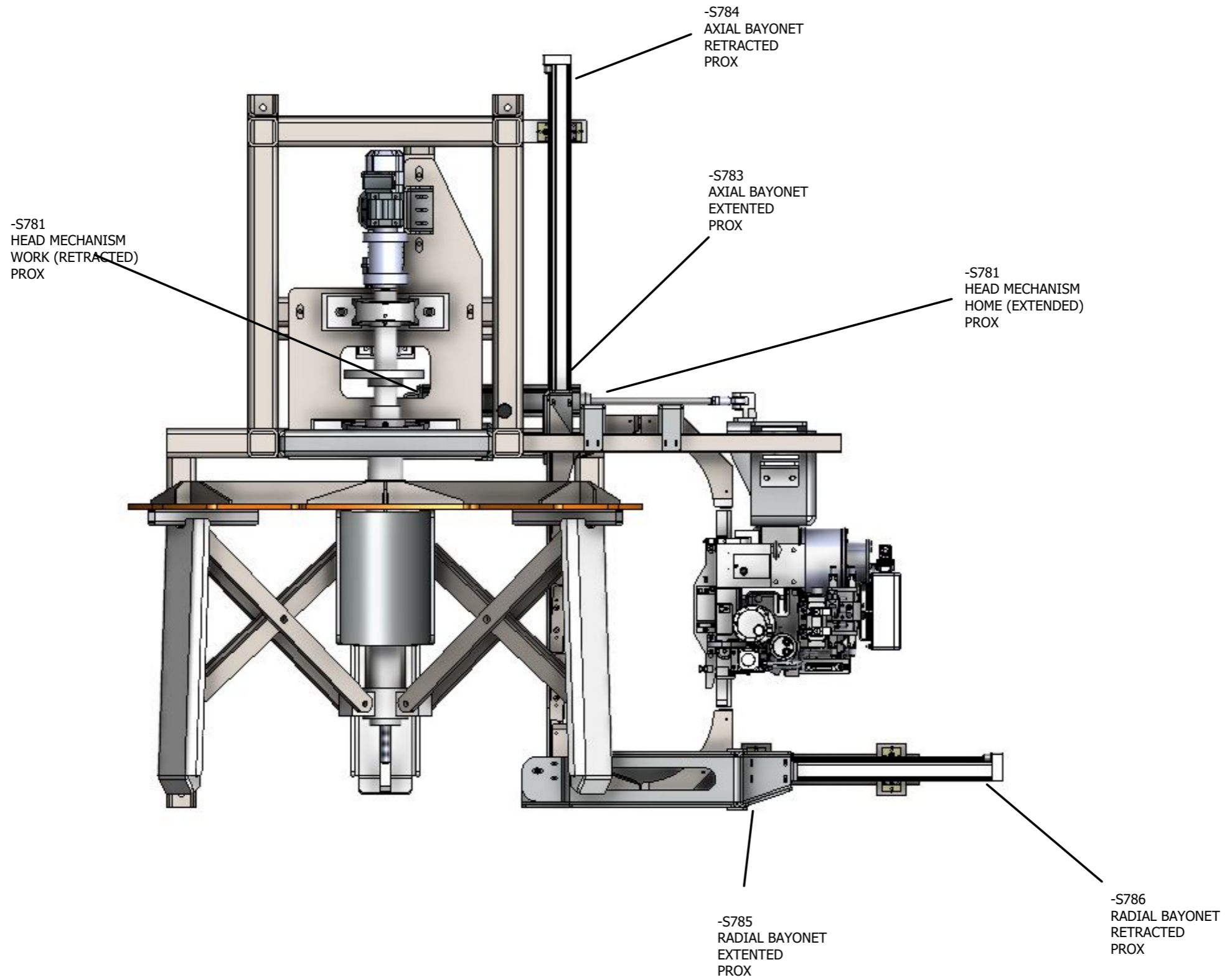
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DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



DEVICES - OVERVIEW 3D

= SM.A07
+
ITI-031439-1-1
VERSION: I



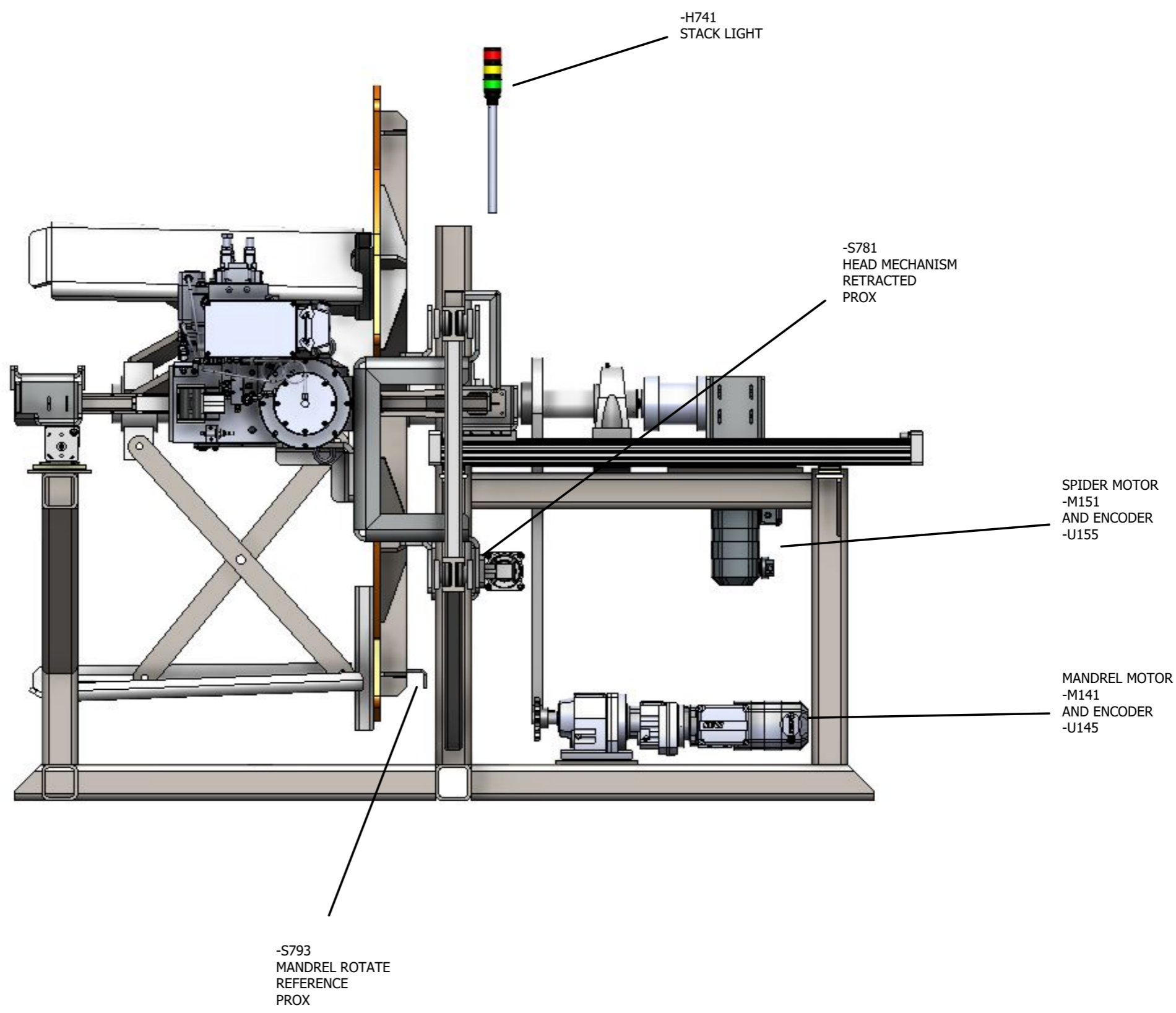
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APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



DEVICES - BANDER TOP VIEW

= SM.A07
+
ITI-031439-1-1
VERSION: I



3

=SM+CP1/10

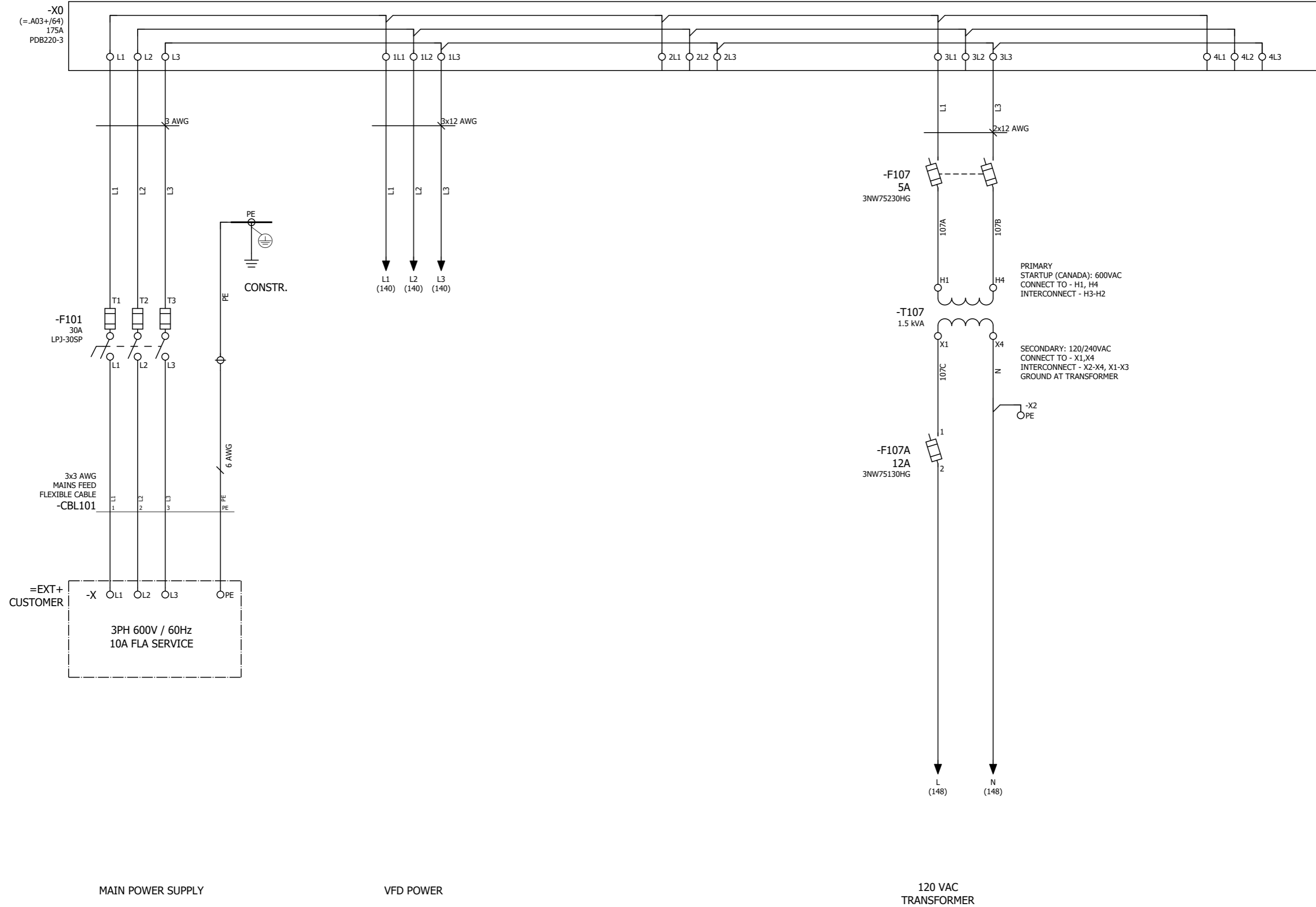
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APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



DEVICES - BANDER RIGHT VIEW

= SM.A07
+
ITI-031439-1-1
VERSION: I



MAIN POWER SUPPLY

VFD POWER

120 VAC TRANSFORMER

=.A07+/4

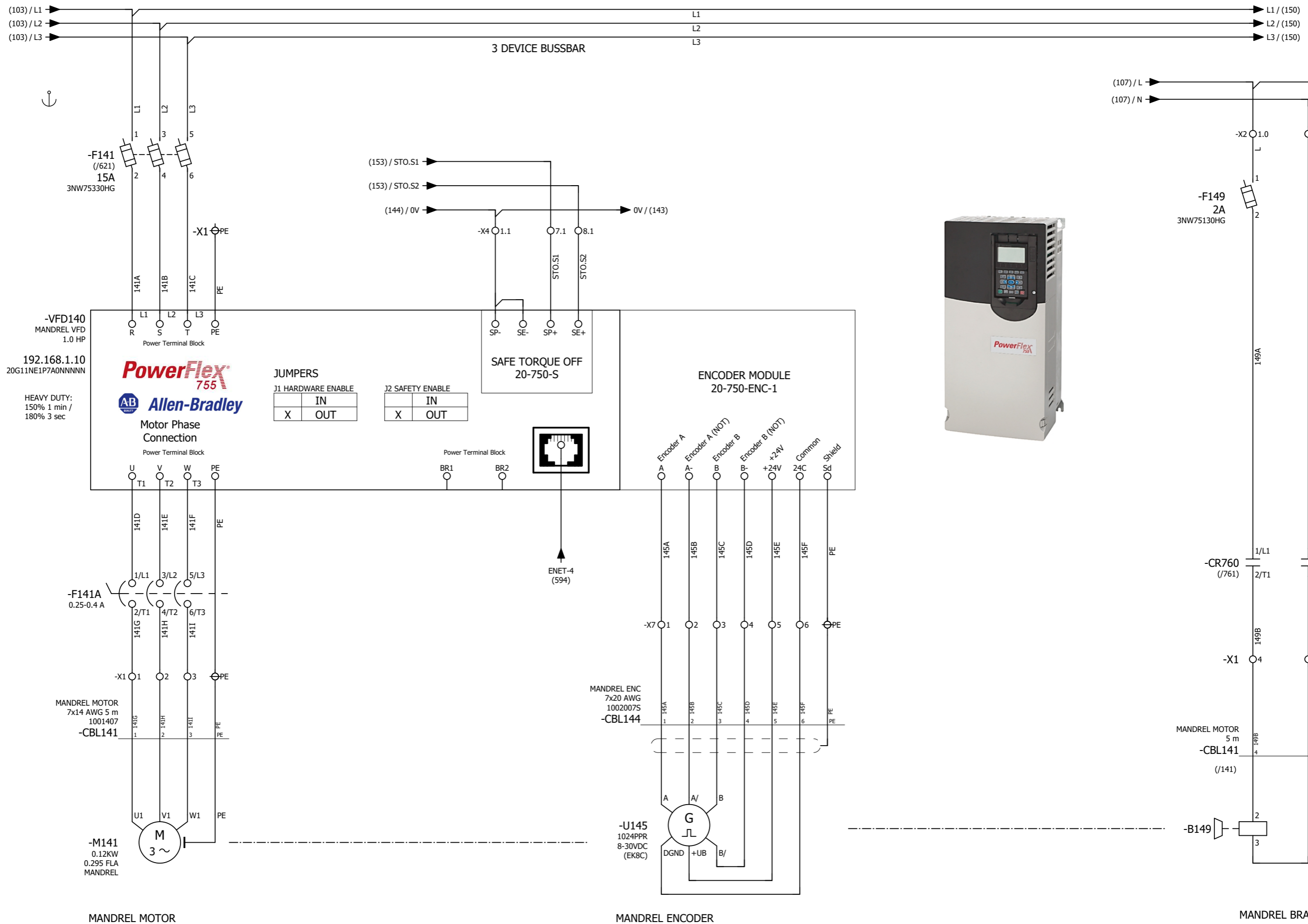
DATE	2021-04-27	REV. DATE	2022-12-19
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



600 VAC DISTRIBUTION

= SM
+ CP1
ITI-031439-1-1
VERSION: I



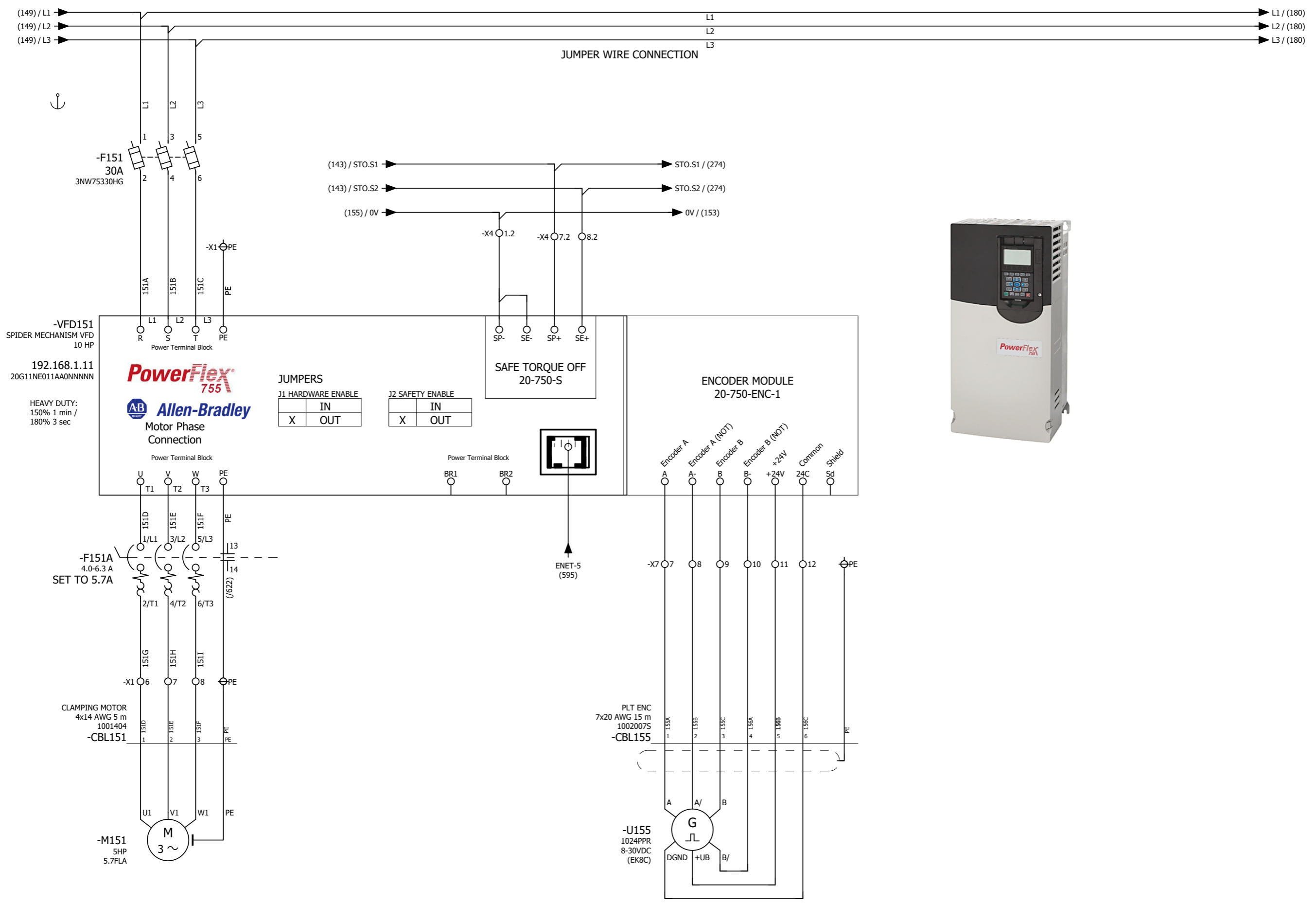
DATE	2021-04-27	REV.DATE	2022-12-19
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



VFD MANDREL - ROTATE

= SM	
+ CP1	
ITI-031439-1-1	VERSION: I



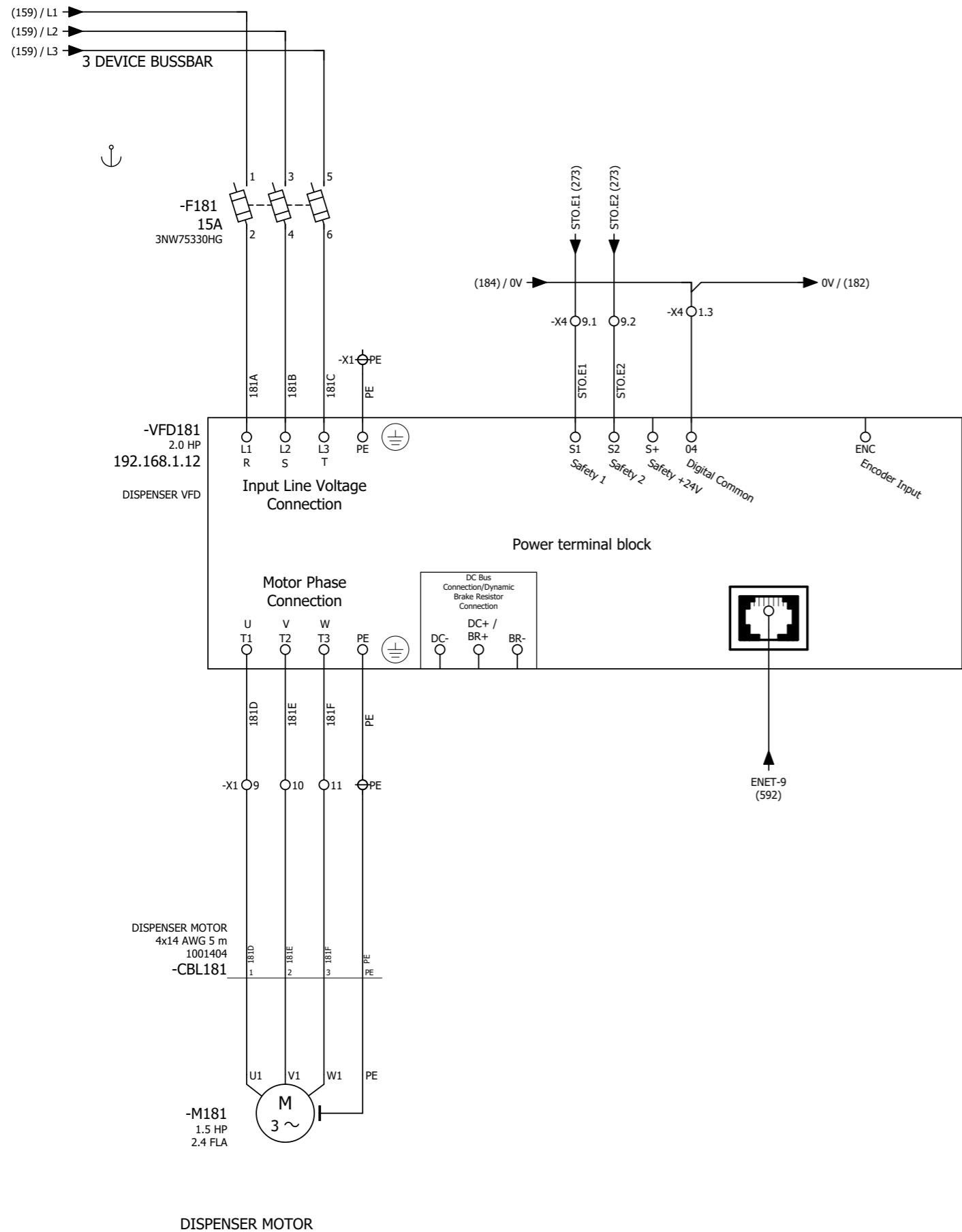
DATE	2021-11-02	REV.DATE	2023-01-24
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



VFD SPIDER

= SM
+ CP1
ITI-031439-1-1
VERSION: I



DATE	2021-04-27	REV.DATE	2023-01-26
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



VFD DISPENSER

= SM	
+ CP1	
ITI-031439-1-1	VERSION: I

PowerFlex 755 - Torque Prove & Positioning			
Par	Name	Value	Unit
25	Motor NP Volts	<Motor NP>	VAC
26	Motor NP Amps	<Motor NP>	A
28	Motor NP RPM	<Motor NP>	RPM
30	Motor NP Power	<Motor NP>	HP (kW)
35	Motor Ctrl Mode	3 (Induction FV)	
125	Pri Vel Fdbk Sel	Port 4: Encoder Feedback	
135	Psn Fdbk Sel	Port 4: Encoder Feedback	
308	Direction Mode	Bipolar	
309	SpdTrqPsn Mode A	Psn PTP	
372	Bus Reg Mode A	Dyn Brake	
382	DB Resistor Type	External	
383	DB Ext Ohms	32	Ohms
384	DB Ext Watts	<DB NP>	Watt
385	DB Ext Pulse Watts	<DB NP>	Watt
413	Mtr OL Factor	1.15	
414	Mtr OL Hertz	0	Hz
426	Regen Power Lmt	-800	%
525	Zero Speed Limit	.6	
540	S Curve Accel	5	%
541	S Curve Decel	5	%
545	Spd Ref A Sel	Port 0: Port13 Reference	
726	In Pos Psn Band	200	
727	In Pos Psn Dwell	.004	
778	PTP Ref Scale	<Scaled from drive system>	
1100	Trq Prove Cfg	1	
1104	Trq Lmt SlewRate	2	
1113	ZeroSpdFloatTime	0.5	
1215	Counts Per Unit	<Scaled from drive system>	
6	Dig Out Invert	3	
10	RO0 Sel	Port 0: Trq Prove Status.Brake Set	

MANDREL VFD140

PowerFlex 525 - Position Mode			
Par	Name	VALUE	Unit
33	Motor OL Current	7.40	A
34	Motor NP FLA	7.40	A
36	Motor NP RPM	1768	RPM
37	Motor NP Power	5.5	kW
39	Torque Perf Mode	0	
41	Accel Time 1	FROM PLC	
42	Decel Time 1	FROM PLC	
46	Start Source 1	5	
47	Speed Reference 1	POSITIONING	
128	EN Addr Sel	VAR	
129	EN IP Addr Cfg 1	VAR	
130	EN IP Addr Cfg 2	VAR	
131	EN IP Addr Cfg 3	VAR	
132	EN IP Addr Cfg 4	25	
133	EN Subnet Cfg 1	255	
134	EN Subnet Cfg 2	255	
135	EN Subnet Cfg 3	255	
136	EN Subnet Cfg 4	0	
431	Jog frequency	FROM PLC	
432	Jog accel/decel	FROM PLC	
439	S Curve %	5	%
535	Motor Fdbk Type	4	
536	Encoder PPR	1024	PPR
558	Positioning Mode	2	
559	Counts Per Unit	<CALC'D>	
563	Find Home Dir	1	
564	Encoder Pos Tol	100	

SPIDER VFD151

PowerFlex 525 - Velocity Mode			
Par	Name	Value	Unit
33	Motor OL Current	0.8	A
34	Motor NP FLA	0.6	A
36	Motor NP RPM	1746	RPM
37	Motor NP Power	0.25	kW
39	Torque Perf Mode	0	
41	Accel Time 1	From PLC	
42	Decel Time 1	From PLC	
46	Start Source 1	5	
47	Speed Reference 1	Ethernet/IP	
128	EN Addr Sel	var	
129	EN IP Addr Cfg 1	var	
130	EN IP Addr Cfg 2	var	
131	EN IP Addr Cfg 3	var	
132	EN IP Addr Cfg 4	25	
133	EN Subnet Cfg 1	255	
134	EN Subnet Cfg 2	255	
135	EN Subnet Cfg 3	255	
136	EN Subnet Cfg 4	0	
431	Jog frequency	From PLC	
432	Jog accel/decel	From PLC	
439	S Curve %	5	%

DISPENSER VFD181

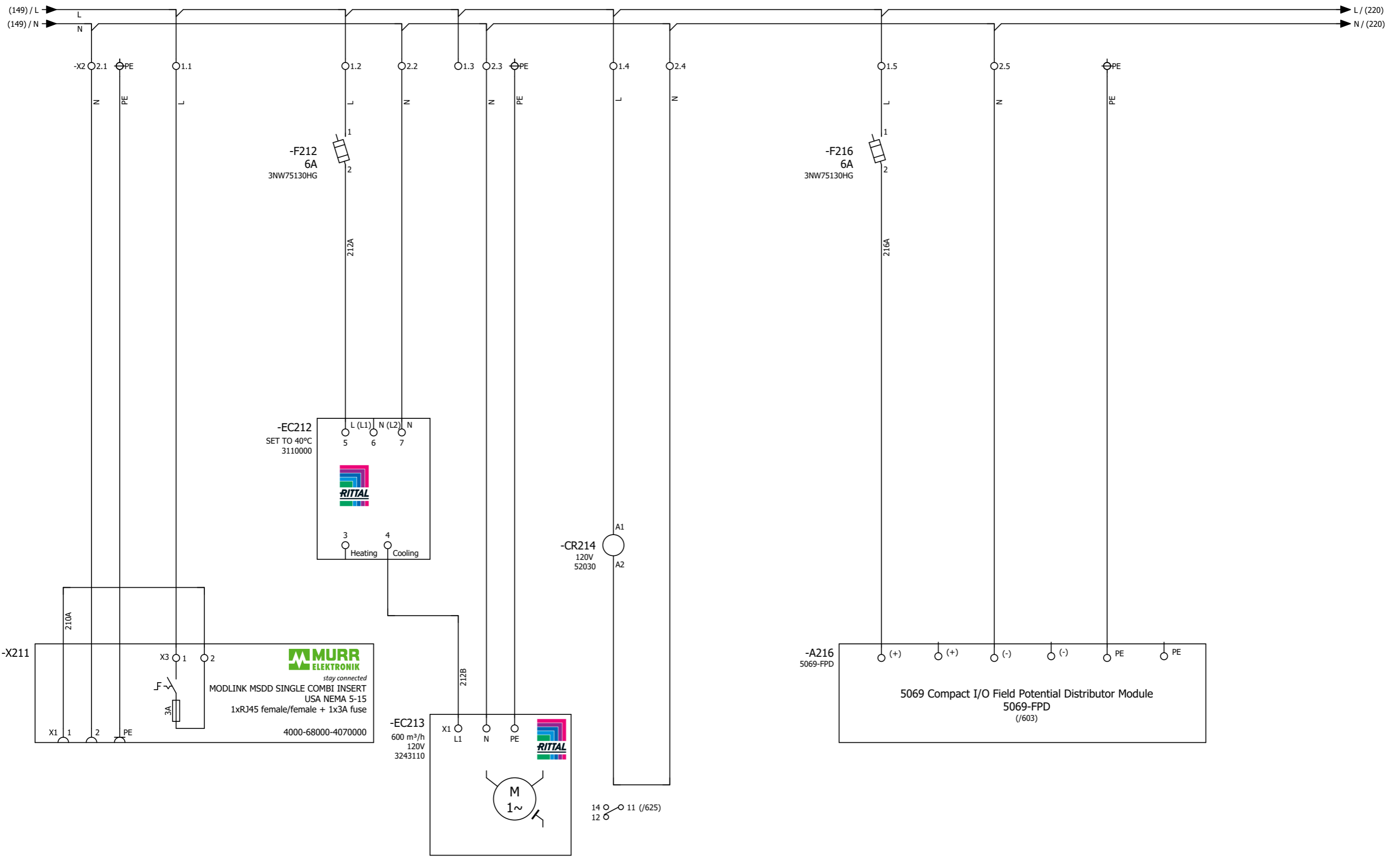
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DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



VFD PARAMETERS

= SM	
+ CP1	
ITI-031439-1-1	VERSION: I



PANEL THERMOSTAT
120V / 3A
RECEPTACLE NORTH
AMERICA + RJ45 PLUG

PANEL COOLING FAN

120VAC POWER ON

5069 COMPACT IO
FPD

DATE	2021-04-27	REV.DATE	2022-12-15
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



120 VAC DISTRIBUTION

= SM
+ CP1
ITI-031439-1-1
VERSION: I



24VDC POWER SUPPLY

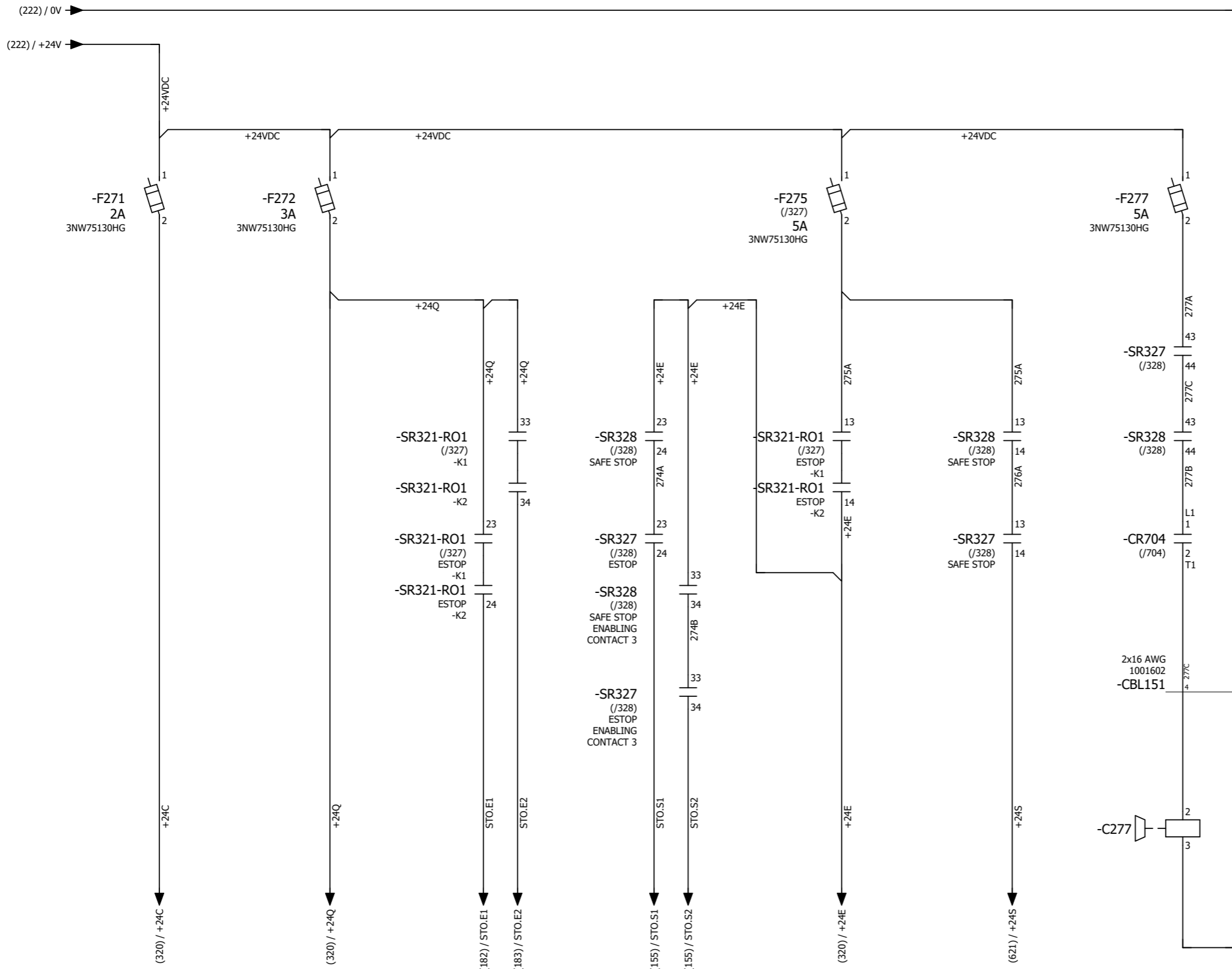
DATE	2022-12-15	REV.DATE	2022-12-15
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



120 VAC DISTRIBUTION

= SM
+ CP1
ITI-031439-1-1
VERSION: I



CPU POWER

I/O POWER

ENABLING
ESTOP

ENABLING
SAFE STOP

ESTOP
POWER

SAFE STOP POWER

SPIDER MOTOR
CLUTCH ENGAGE

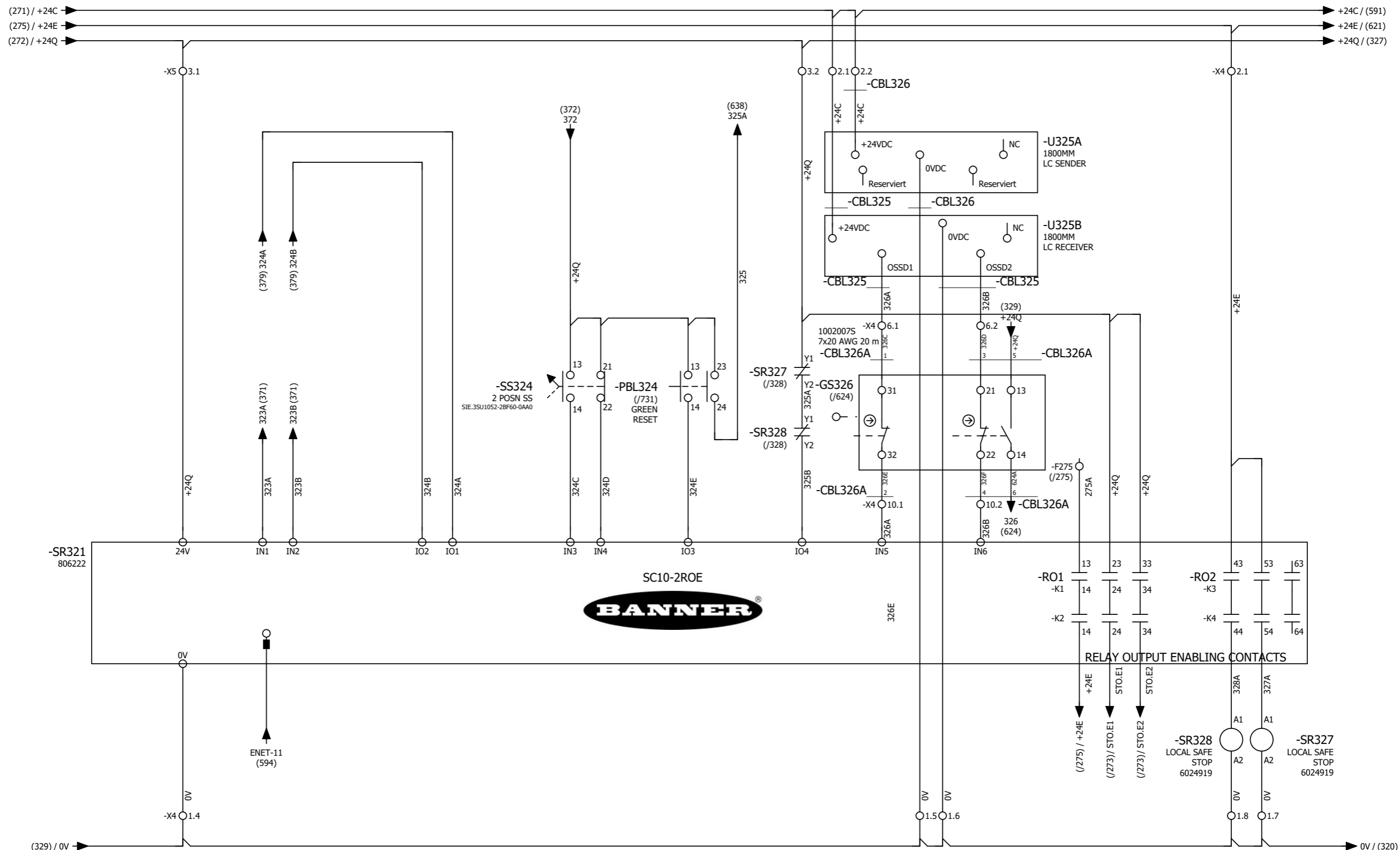
DATE	2021-04-27	REV. DATE	2023-01-26
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



CONTROL POWER DISTRIBUTION

= SM
+ CP1
ITI-031439-1-1
VERSION: I



SAFETY RELAY POWER FEEDBACK CIRCUIT SAFETY CIRCUIT OUTPUT ENABLE SWITCH SAFETY RESET LIGHT CURTAIN ENABLING CONTACT ESTOP ENABLING CONTACT SAFE STOP

- 13 --- 14 (/276)
- 23 --- 24 (/274)
- 33 --- 34 (/274)
- 43 --- 44 (/277)
- Y1 --- Y2 (/325)
- 13 --- 14 (/276)
- 23 --- 24 (/274)
- 33 --- 34 (/274)
- 43 --- 44 (/277)
- Y1 --- Y2 (/325)

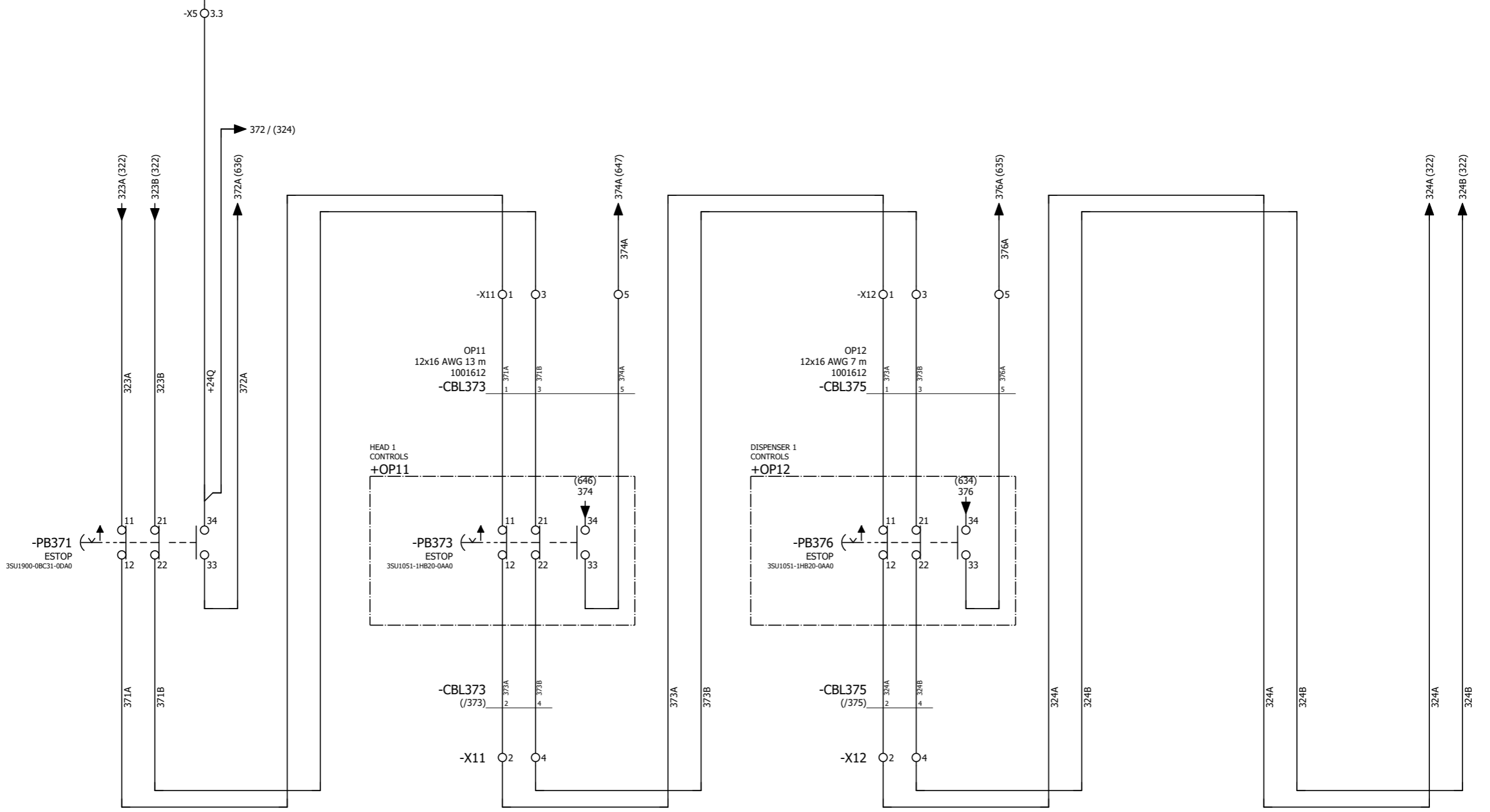
DATE	2023-01-26	REV. DATE	2023-02-17
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



SAFETY - LOCAL ESTOP

= SM	
+ CP1	
ITI-031439-1-1	VERSION: I



MAIN CONTROL
 PANEL ESTOP

HEAD CONTROL
 STATION ESTOP

DISPENSER
 CONTROL STATION
 ESTOP

SPARE

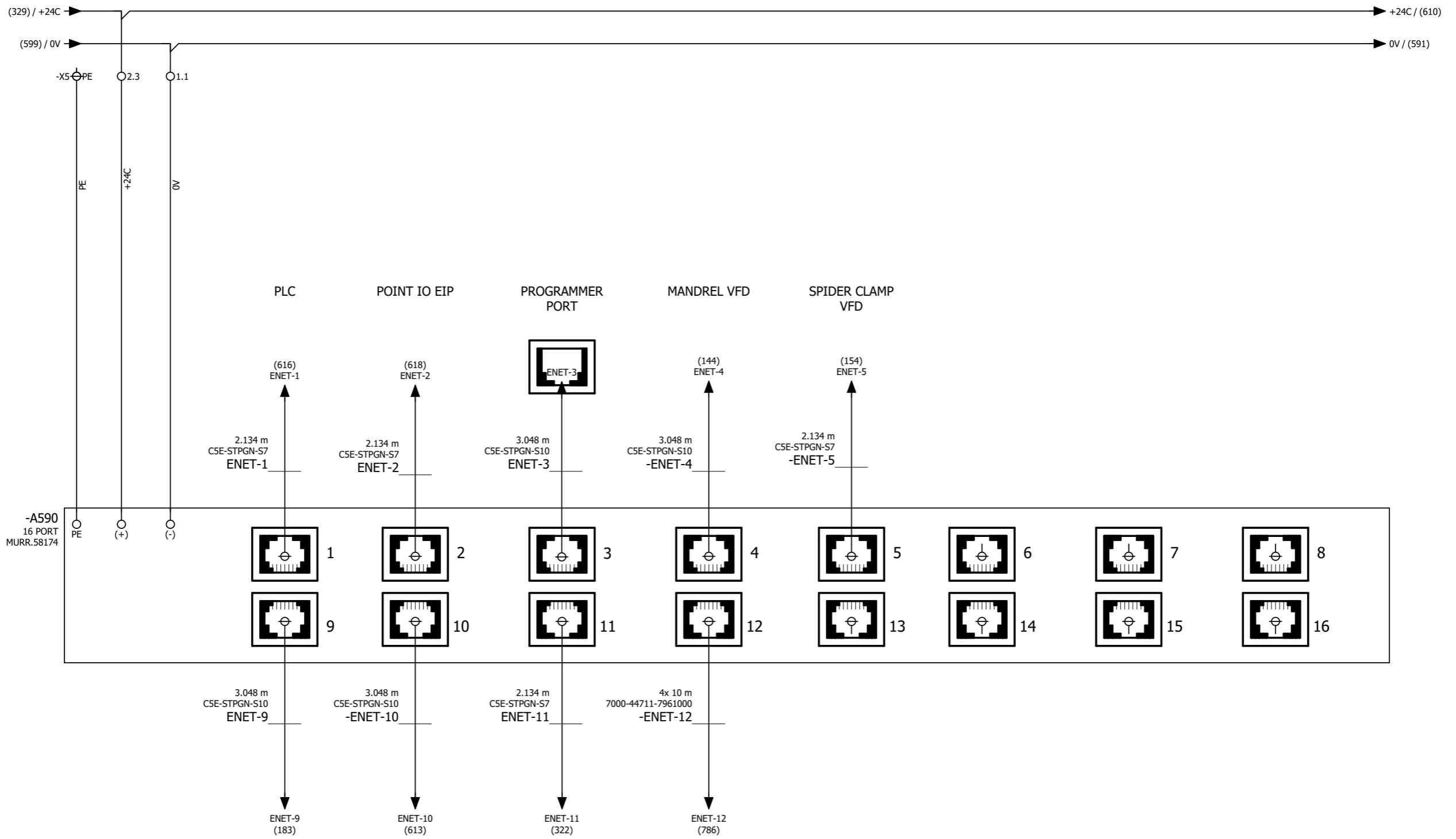
DATE	2021-11-03	REV.DATE	2023-02-17
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



ESTOP CHAIN

= SM
+ CP1
ITI-031439-1-1
VERSION: I



DATE	2021-04-27	REV.DATE	2022-12-06
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



ETHERNET NETWORK

= SM
+ CP1
ITI-031439-1-1
VERSION: I

-A610
5069-L306ER
(/610)

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-A620
5069-IB16
(/620)

-A216
5069-PPD
(/216)

-A701
5069-OA16
(/701)

-A721
5069-OA16
(/721)

-A615
1734-AENT
(/615)

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-A640
1734-IB8
(/641)

-A650
1734-IB8
(/651)

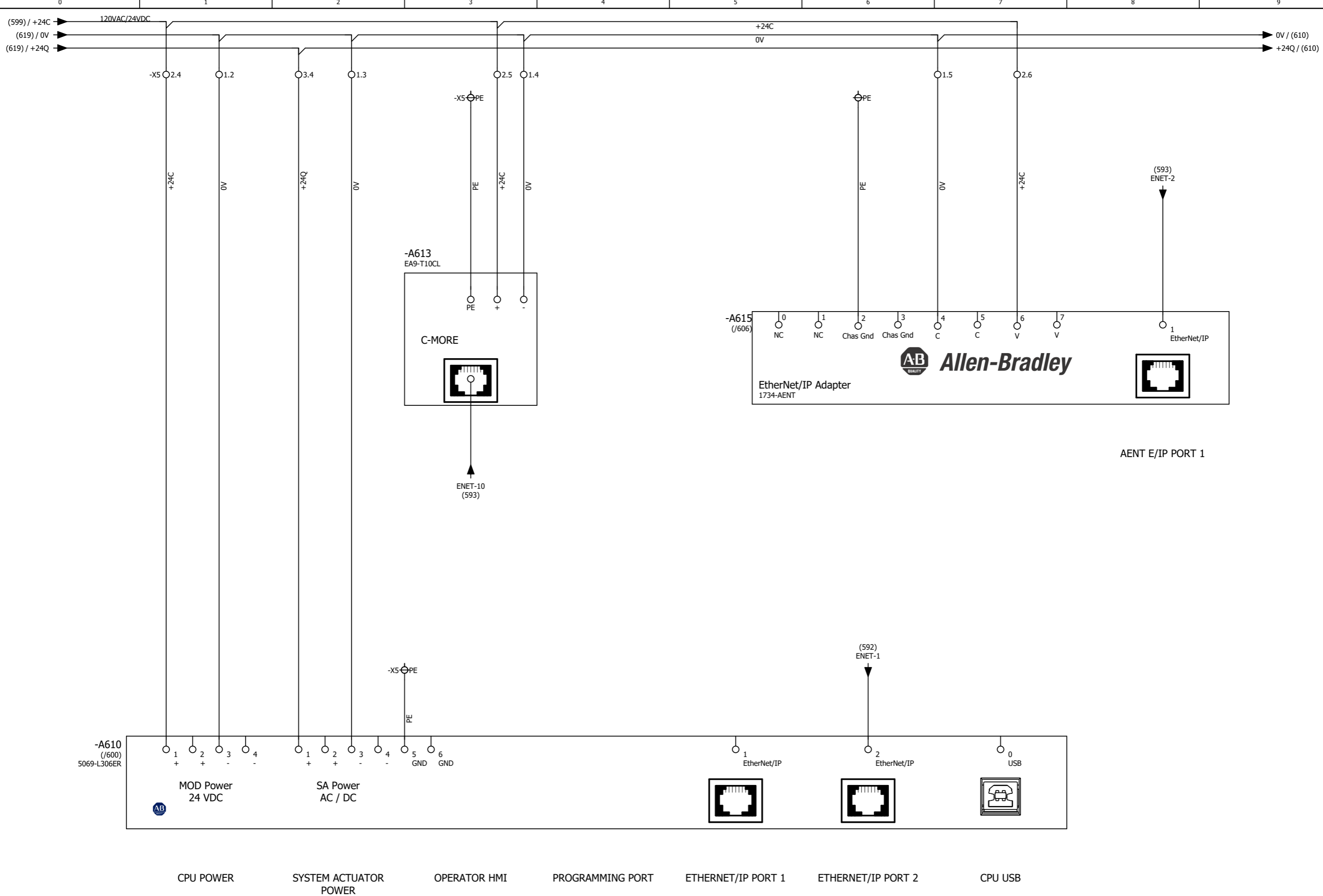
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DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



PLC CONFIGURATION

= SM
+ CP1
ITI-031439-1-1
VERSION: I



DATE	2021-11-03	REV.DATE	2023-01-26
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

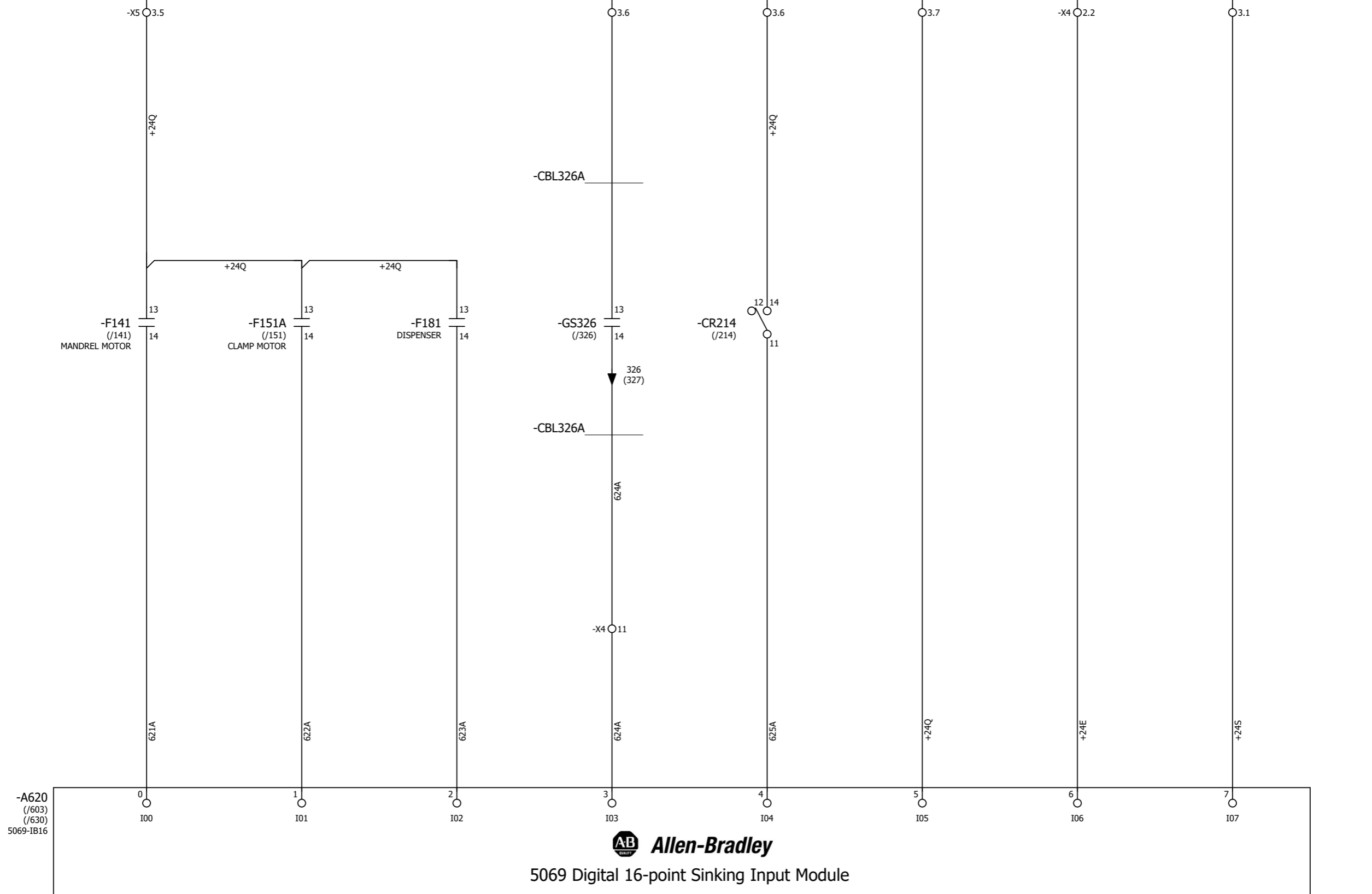
ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



PLC PROCESSOR & COMMUNICATION

= SM
+ CP1
ITI-031439-1-1
VERSION: I

(629) / +24Q → +24Q / (621)
 (329) / +24E → +24E / (750)
 (276) / +24S → +24S / (769)



MANDREL MOTOR CB CLAMP MOTOR MOL DIPENSER CB SPARE 120VAC POWER ON 24VDC POWER ON E-STOP POWER ON SAFE STOP POWER ON

DATE	2021-11-03	REV.DATE	2023-02-17
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

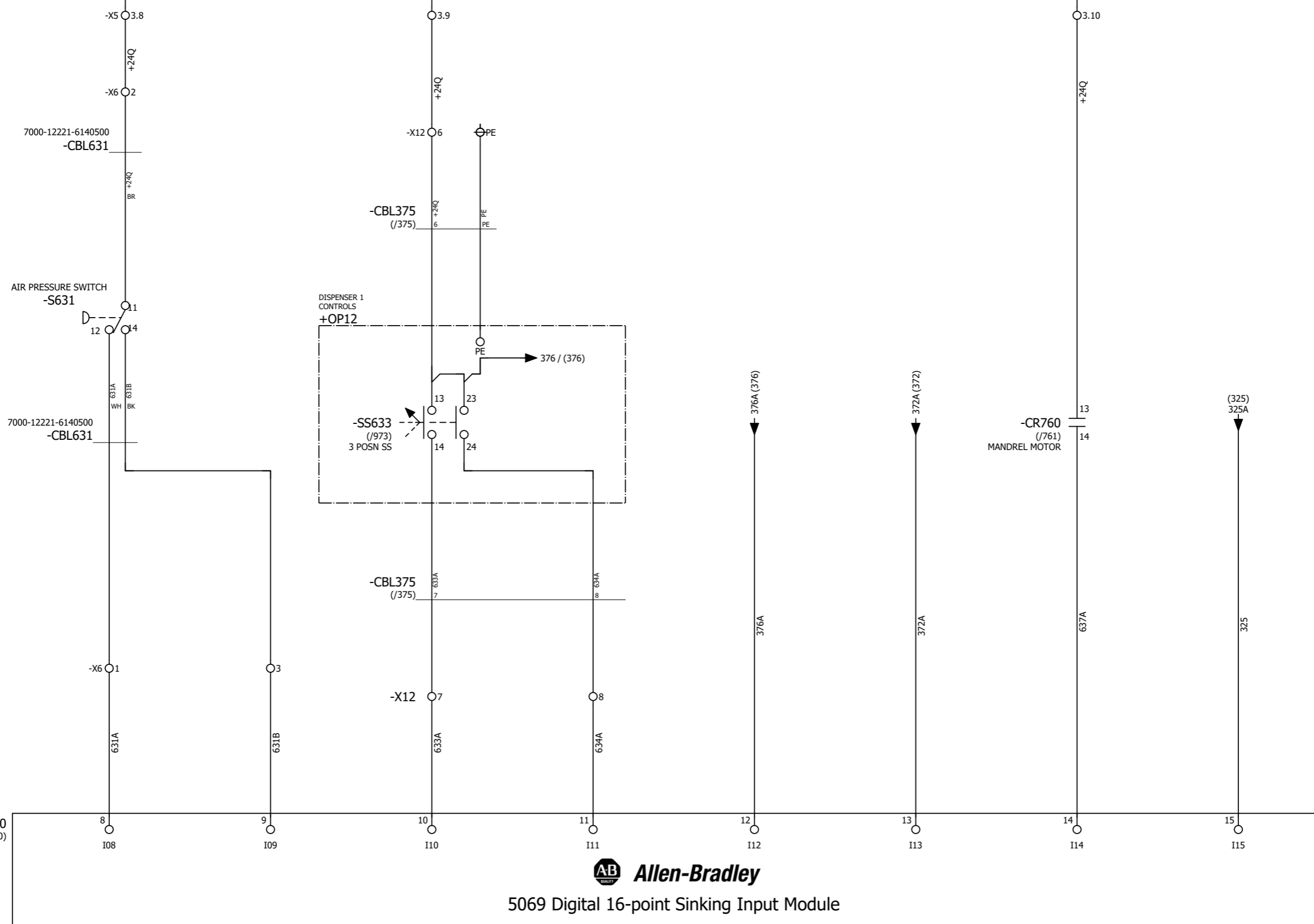
ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



PLC DIGITAL INPUTS

= SM
+ CP1
ITI-031439-1-1 VERSION: I

(639) / +24Q → +24Q / (631) →



5069 Digital 16-point Sinking Input Module

SYSTEM AIR PRESSURE NOT OK SYSTEM AIR PRESSURE OK DISPENSER JOG FORWARD DISPENSER JOG REVERSE DISPENSER E-STOP MAIN PANEL ESTOP MANDREL MOTOR BRAKE DISENGAGE FAULT RESET

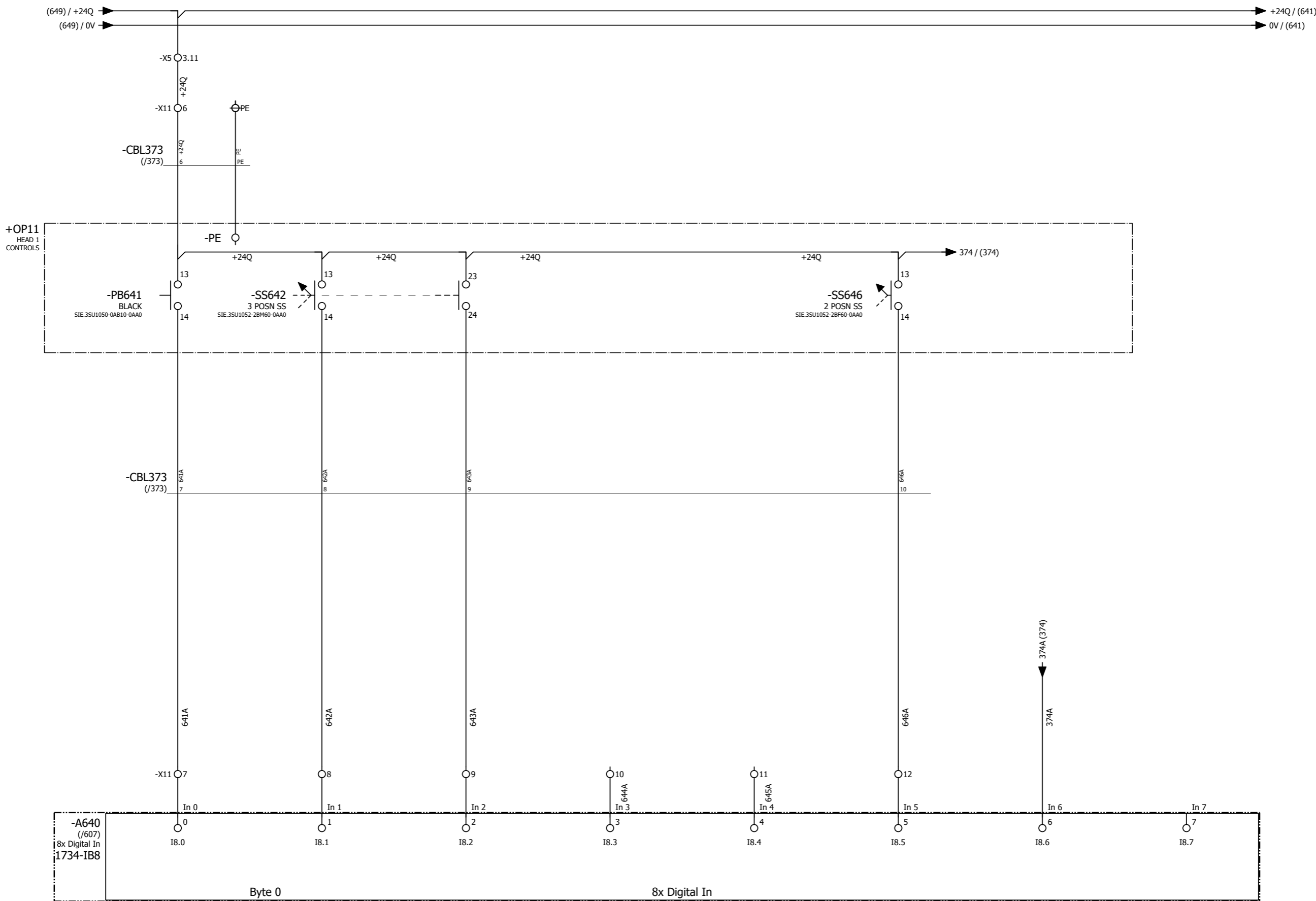
DATE	2021-11-03	REV. DATE	2022-12-15
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



PLC DIGITAL INPUTS

= SM
+ CP1
ITI-031439-1-1 VERSION: I



DATE	2022-03-17	REV.DATE	2022-12-06
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

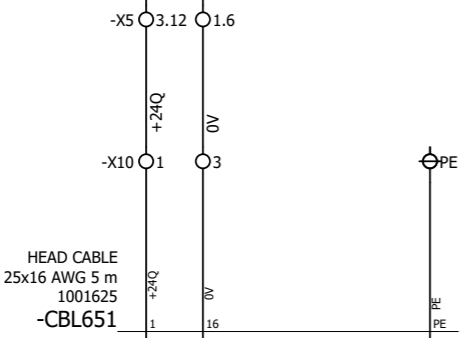
ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



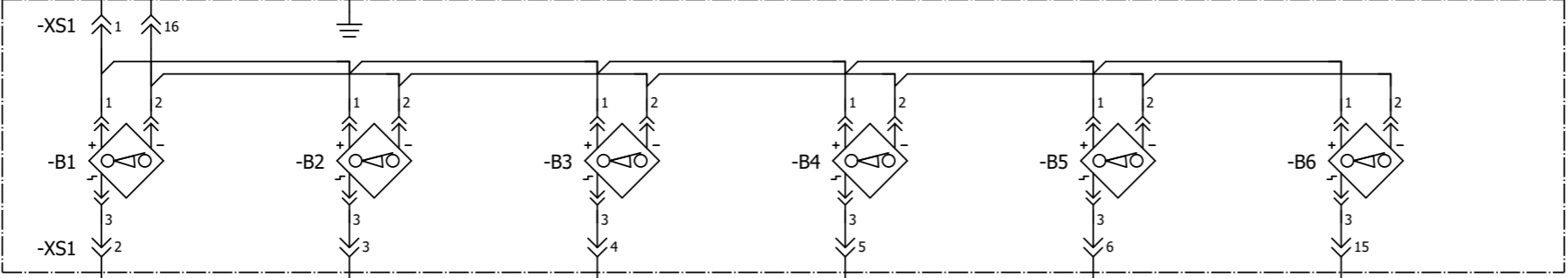
PLC DIGITAL INPUTS

= SM
+ CP1
ITI-031439-1-1
VERSION: I

(659) / +24Q → +24Q / (651)
 (659) / 0V → 0V / (651)



+JB10
STRAPPING HEAD 1
(/750)



-X10 2

4

5

6

7

8

-A650
(/607)
8x Digital In
1734-IB8



Byte 0 8x Digital In

STRAP FED SWITCH FLAP OPEN FLAP CLOSED FINAL TENSION HEAD AT PACKAGE OPTIONAL HEAD ON PACKAGE SPARE SPARE

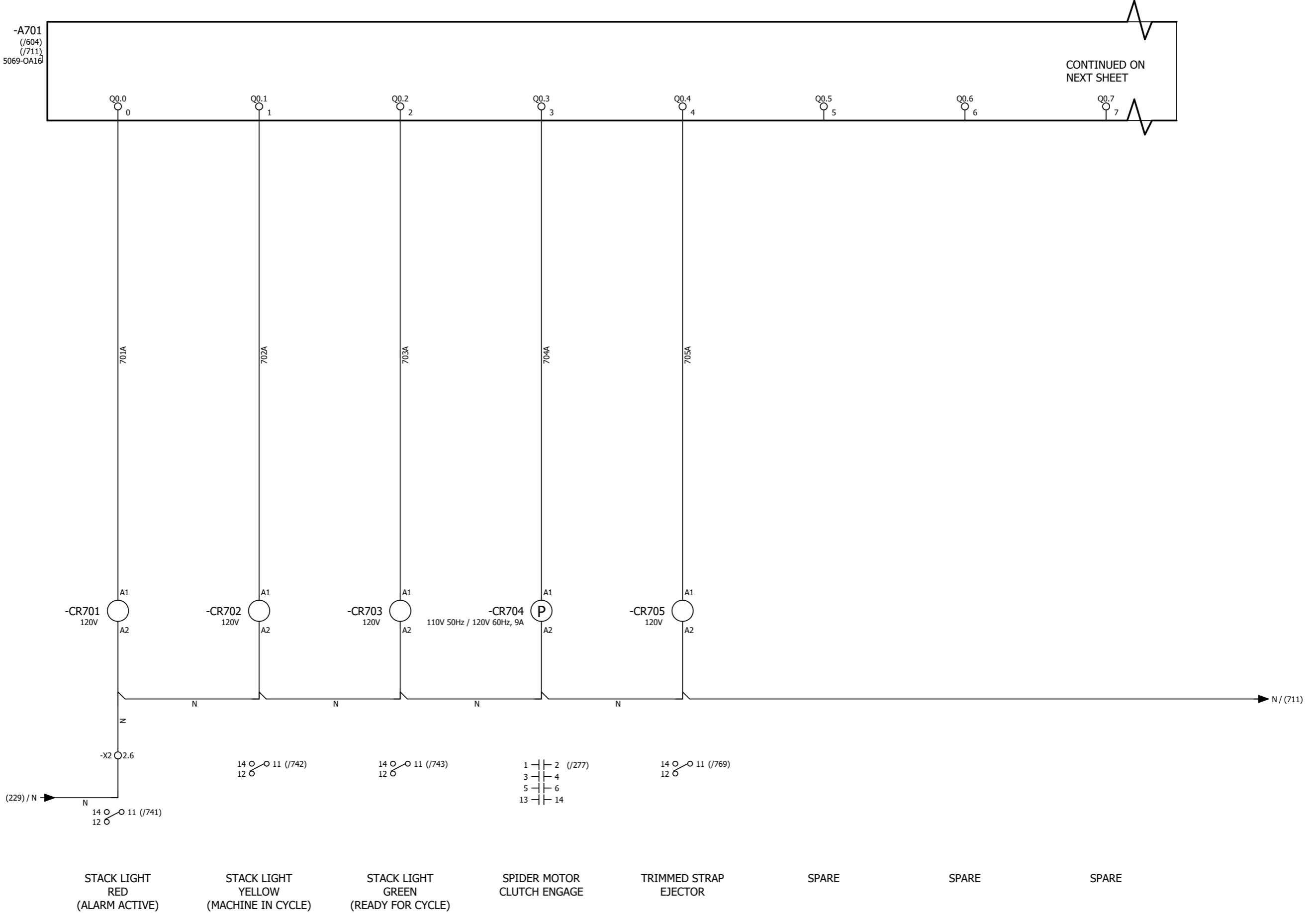
DATE	2022-03-17	REV.DATE	2022-03-24
DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



PLC DIGITAL INPUTS

= SM
+ CP1
ITI-031439-1-1 VERSION: I



CONTINUED ON NEXT SHEET

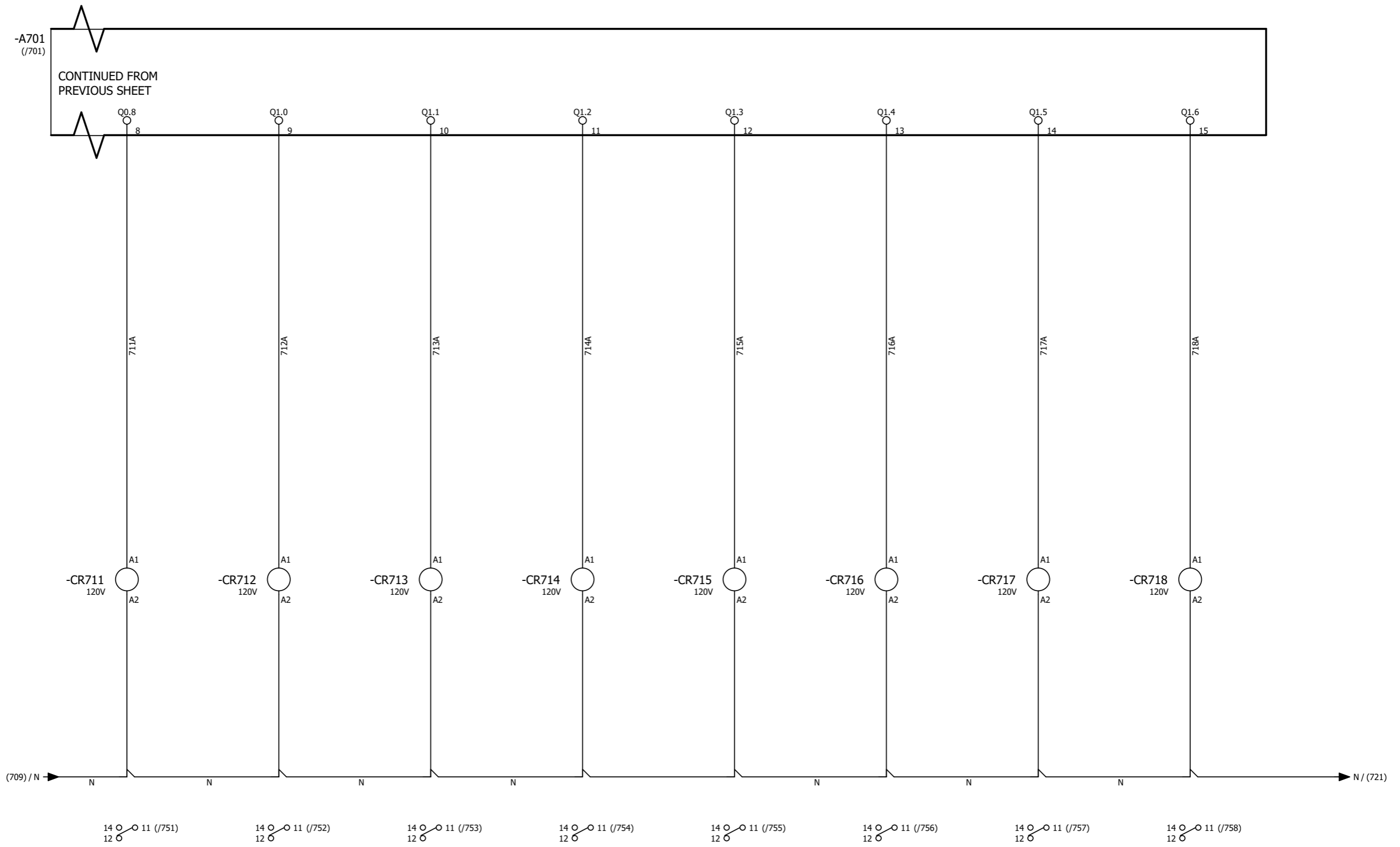
DATE	2021-11-03	REV.DATE	2022-12-21
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



PLC DIGITAL OUTPUTS

= SM
+ CP1
ITI-031439-1-1
VERSION: I



CLAMP HALF CLOSE
FLAP OPEN

STRAP FEED

STRAP RETRACT

FINAL TENSION

CLAMP CLOSE

CLAMP OPEN

FLAP CLOSE

FINAL TENSION
(ADJUSTABLE)

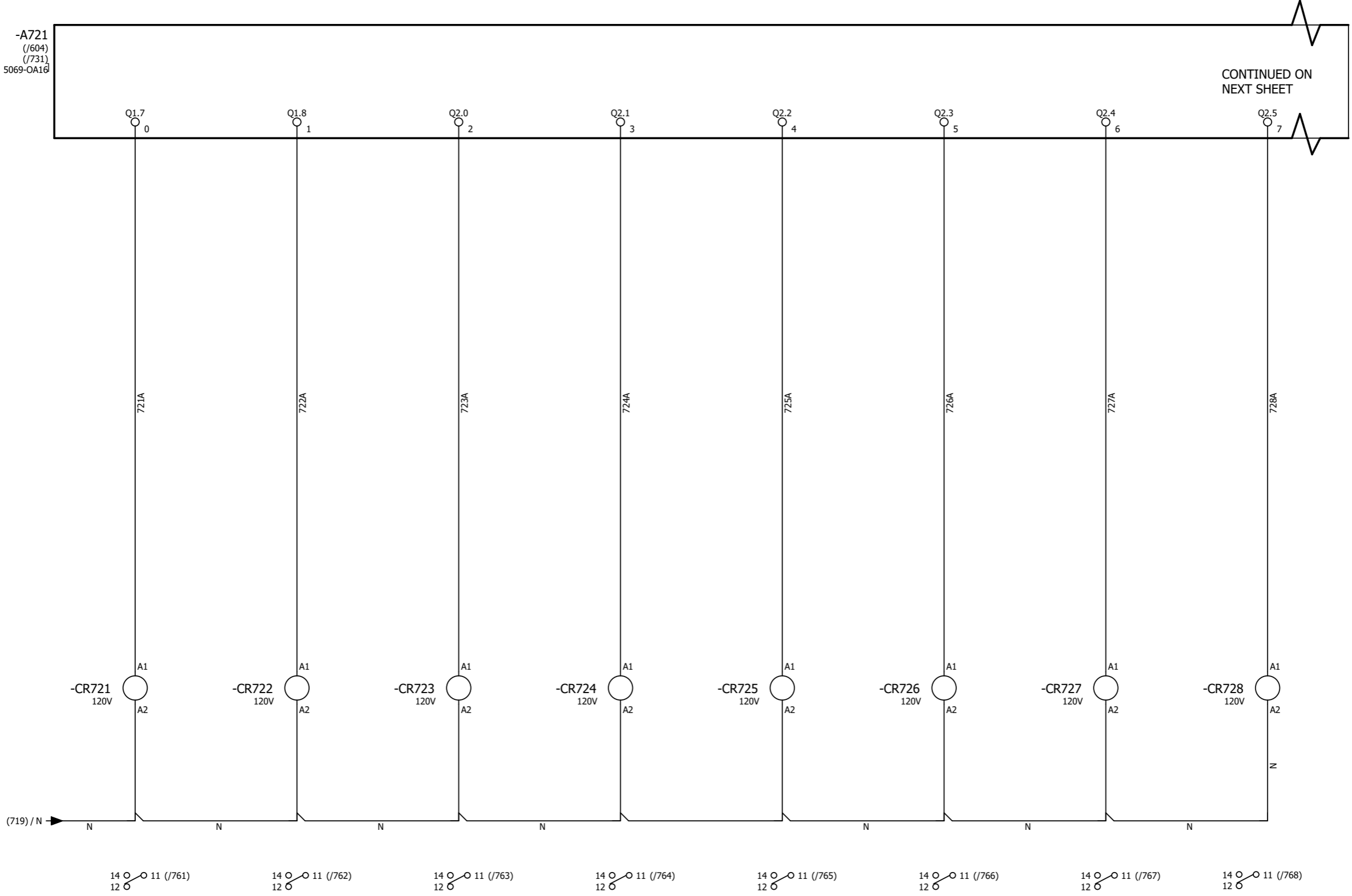
DATE	2021-11-03	REV.DATE	2022-12-21
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



PLC DIGITAL OUTPUTS

= SM
+ CP1
ITI-031439-1-1
VERSION: I



MANDREL HOLDING
BRAKE RELEASE

HEAD EXTEND

HEAD RETRACT

BAYONET AXIAL
RETRACT

BAYONET AXIAL
EXTEND

BAYONET RADIAL
EXTEND

BAYONET RADIAL
RETRACT

STRAP CLAMP

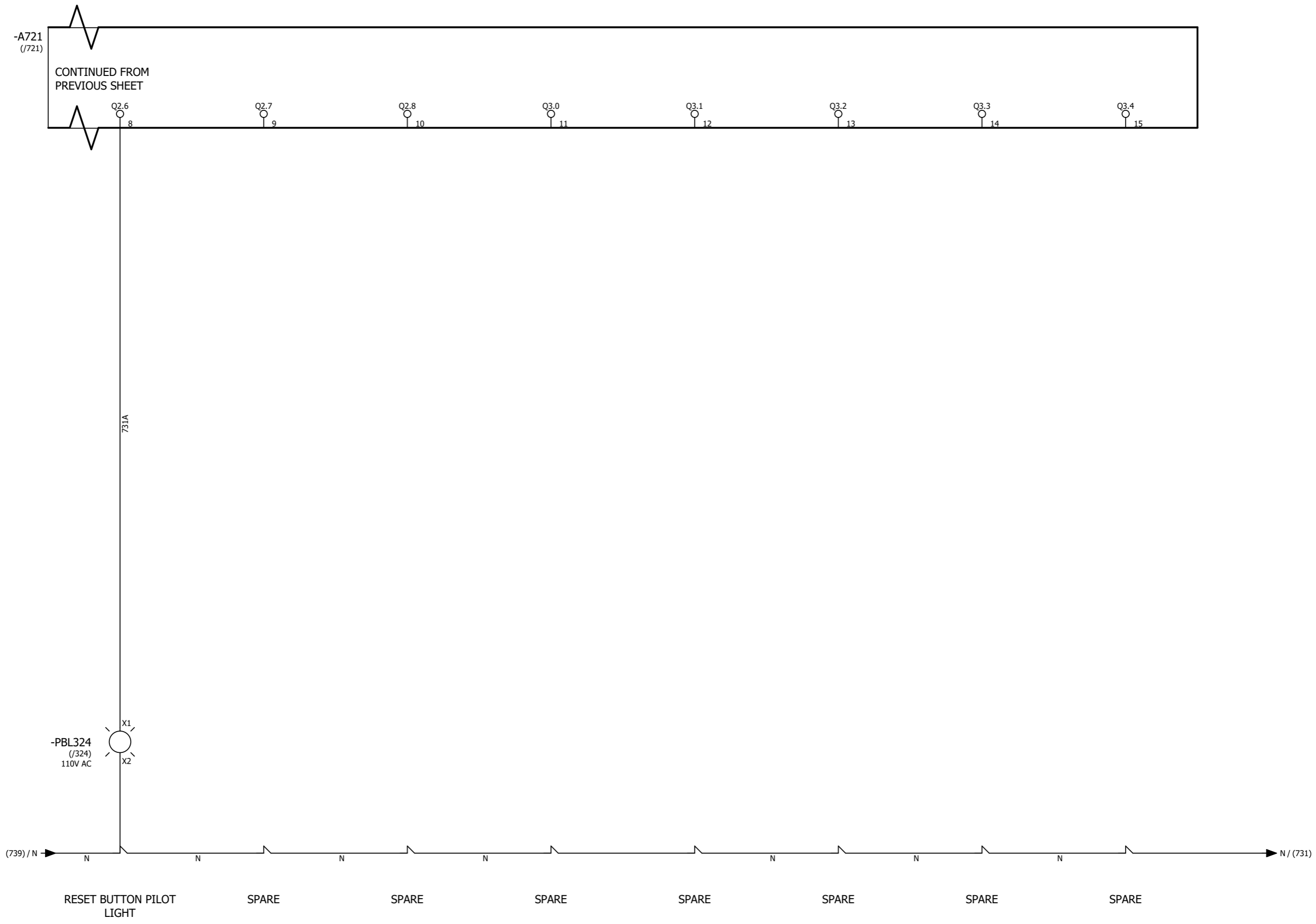
DATE	2021-11-03	REV.DATE	2022-12-06
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



PLC DIGITAL OUTPUTS

= SM
+ CP1
ITI-031439-1-1
VERSION: I



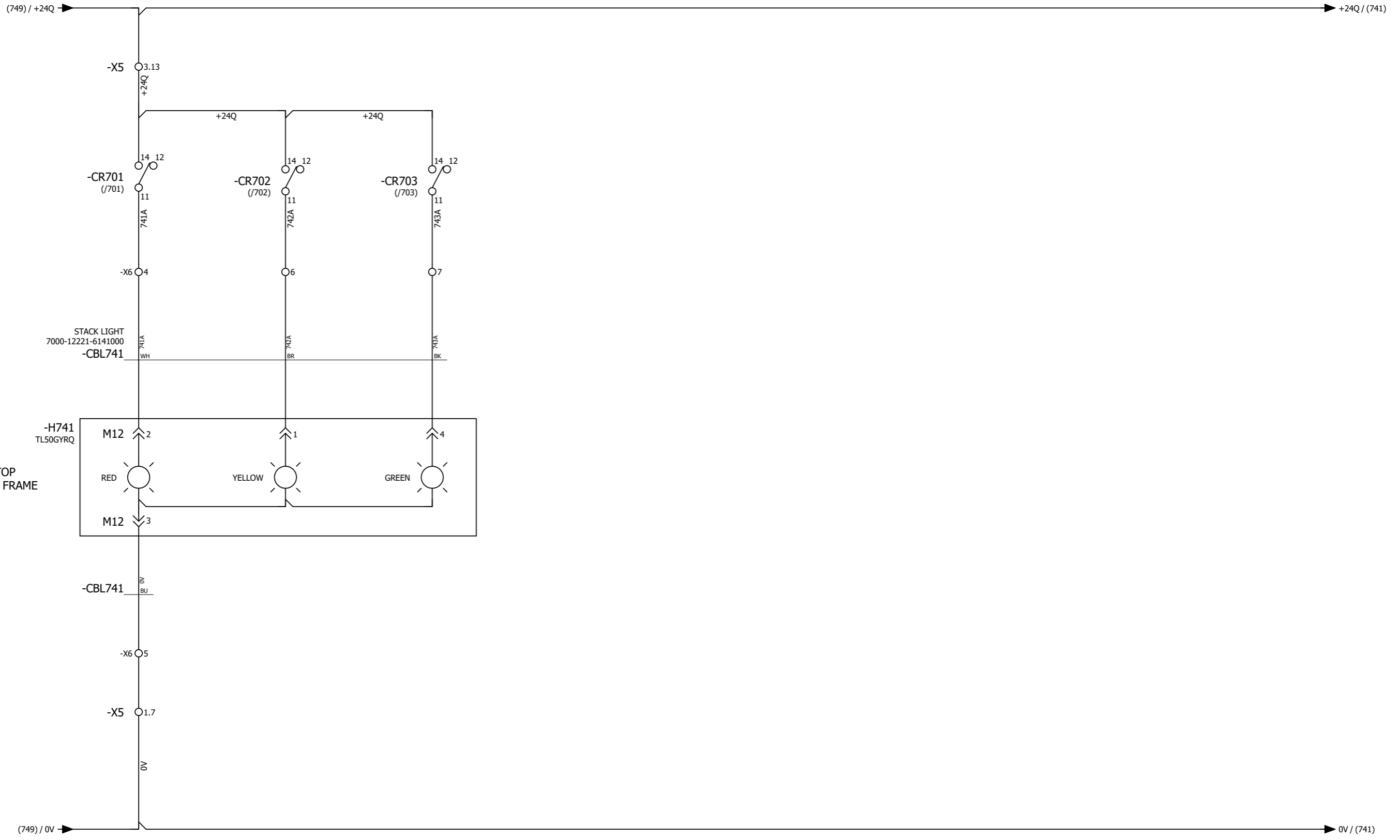
DATE	2021-11-03	REV.DATE	2022-12-21
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



PLC DIGITAL OUTPUTS

= SM
+ CP1
ITI-031439-1-1
VERSION: I



MOUNT ON TOP OF MACHINE FRAME

STACK LIGHT RED (ALARM ACTIVE) STACK LIGHT YELLOW (MACHINE IN CYCLE) STACK LIGHT GREEN (READY FOR CYCLE) SPARE SPARE SPARE SPARE SPARE SPARE

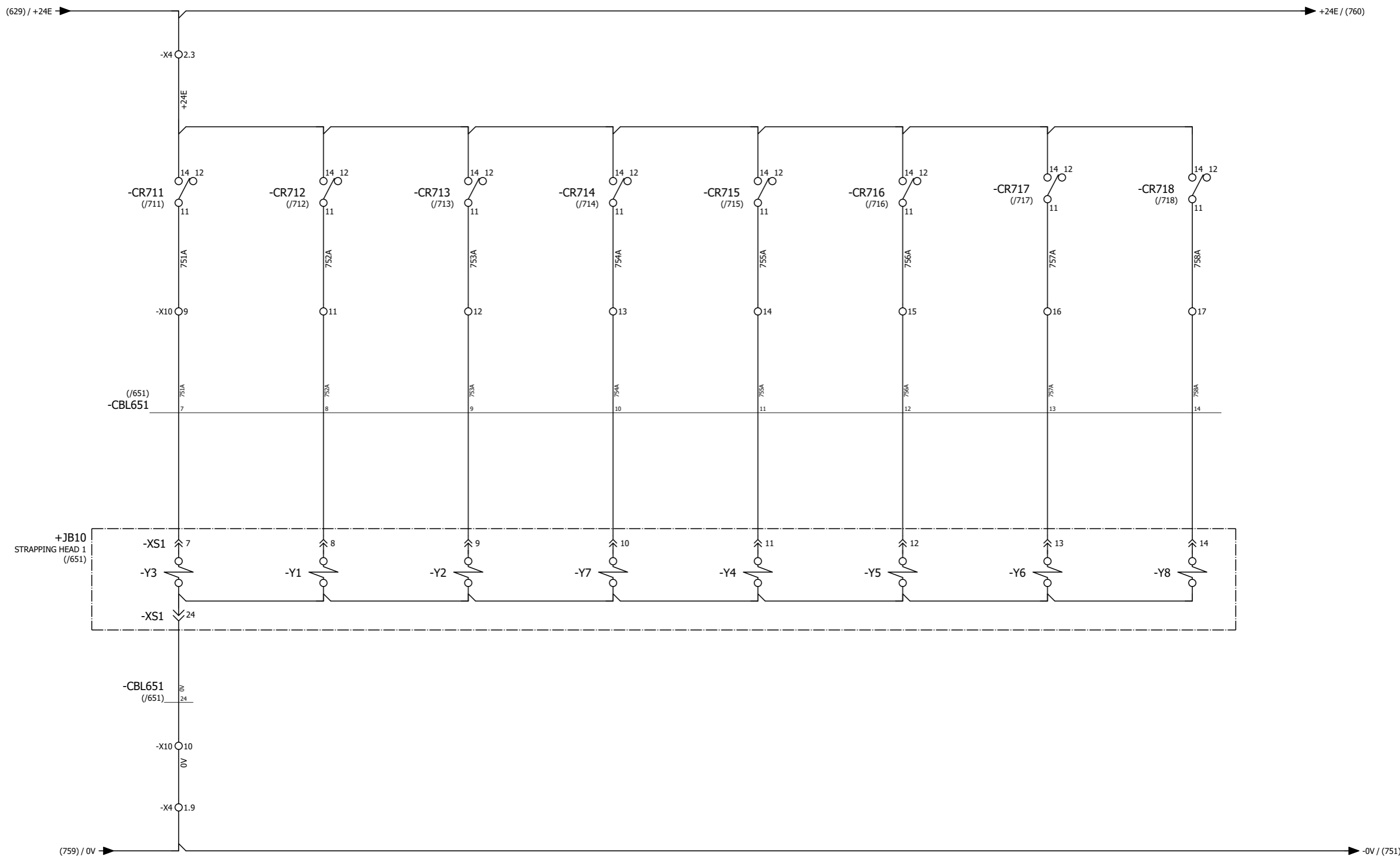
DATE	2022-03-17	REV.DATE	2022-03-24
DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



PLC DIGITAL OUTPUTS

= SM
+ CP1
ITI-031439-1-1 VERSION: I



CLAMP HALF CLOSE
FLAP OPEN

STRAP FEED

STRAP RETRACT

FINAL TENSION

CLAMP CLOSE

CLAMP OPEN

FLAP CLOSE

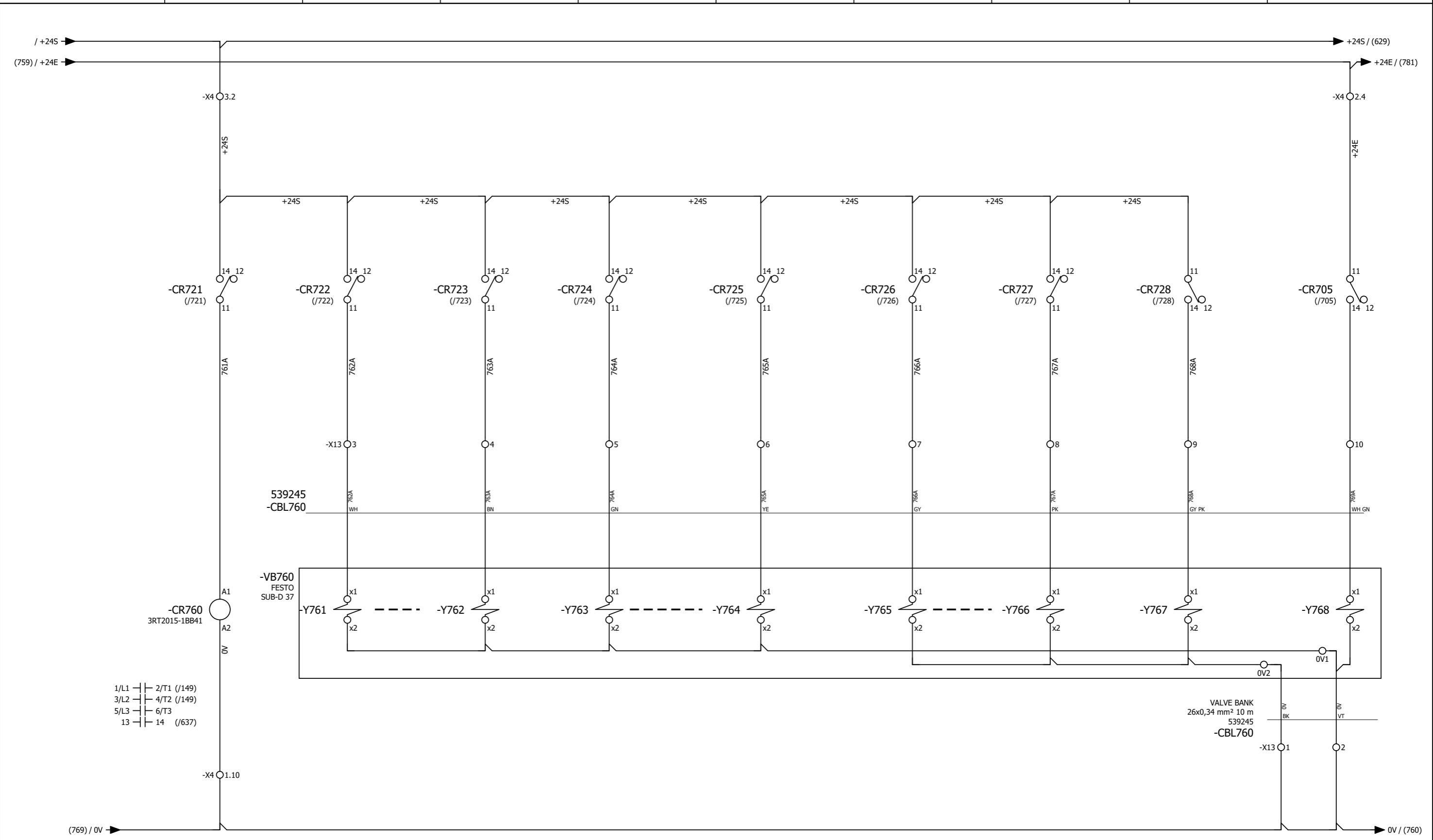
FINAL TENSION
(ADJUSTABLE)

DATE	2022-03-17	REV.DATE	2022-12-06
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



PLC DIGITAL OUTPUTS	= SM
	+ CP1
	ITI-031439-1-1
	VERSION: I



MANDREL HOLDING BRAKE RELEASE HEAD EXTEND HEAD RETRACT BAYONET AXIAL EXTEND BAYONET AXIAL RETRACT BAYONET RADIAL RETRACT BAYONET RADIAL EXTEND STRAP CLAMP STRAP EJECT

DATE	2022-03-17	REV.DATE	2022-12-21
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



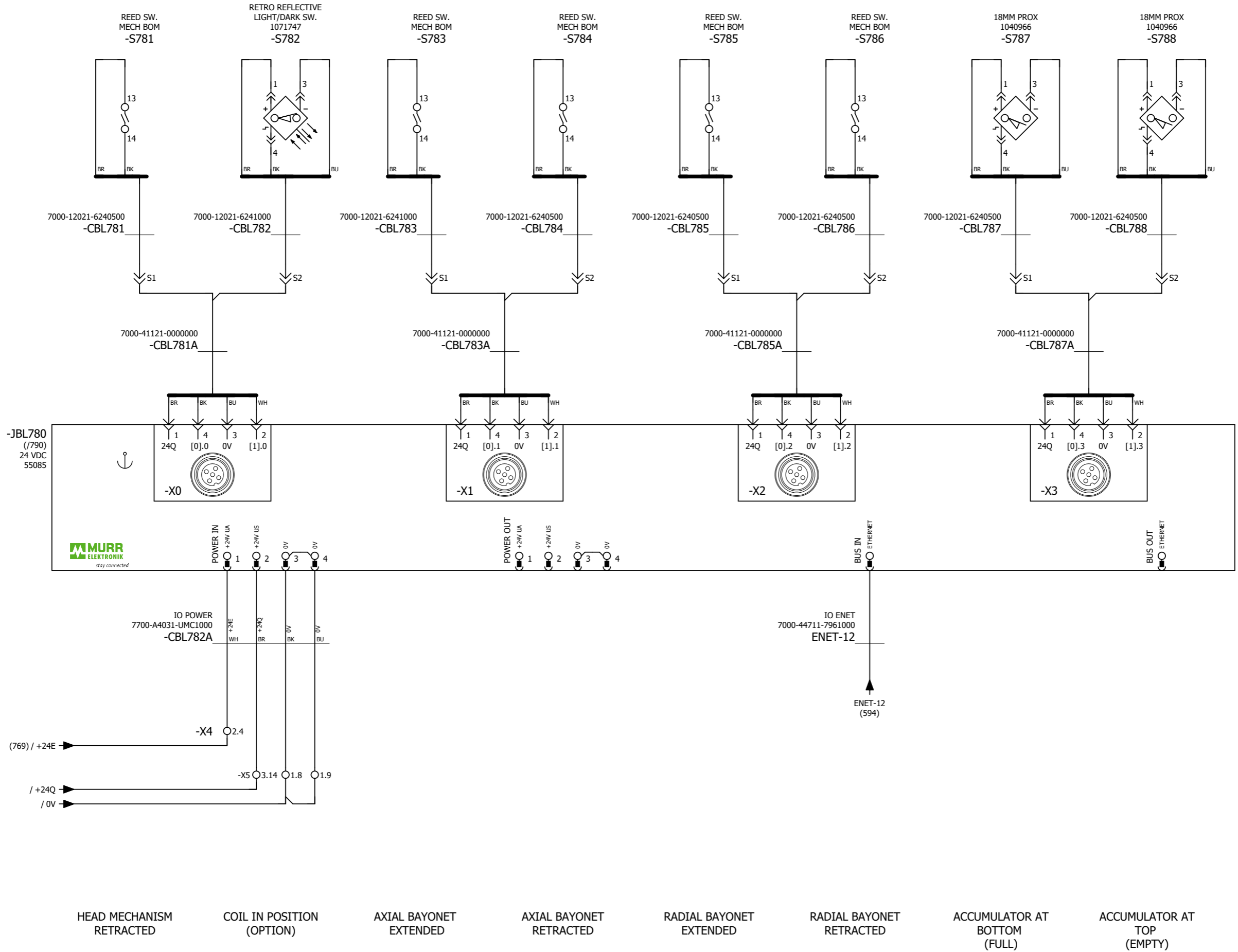
PLC DIGITAL OUTPUTS

= SM
+ CP1
ITI-031439-1-1 VERSION: I

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DATE	2022-03-17	REV.DATE	2022-05-18	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	PLC DIGITAL OUTPUTS	= SM	ITI-031439-1-1 VERSION: I
DESIGNED	ITI_KW	REVISED	KW				+ CP1	
APPROVED								
STATUS	Gate Switch Added							

MASTER BANDER FRAME RIGHT



DATE	2021-11-04	REV.DATE	2022-12-06
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

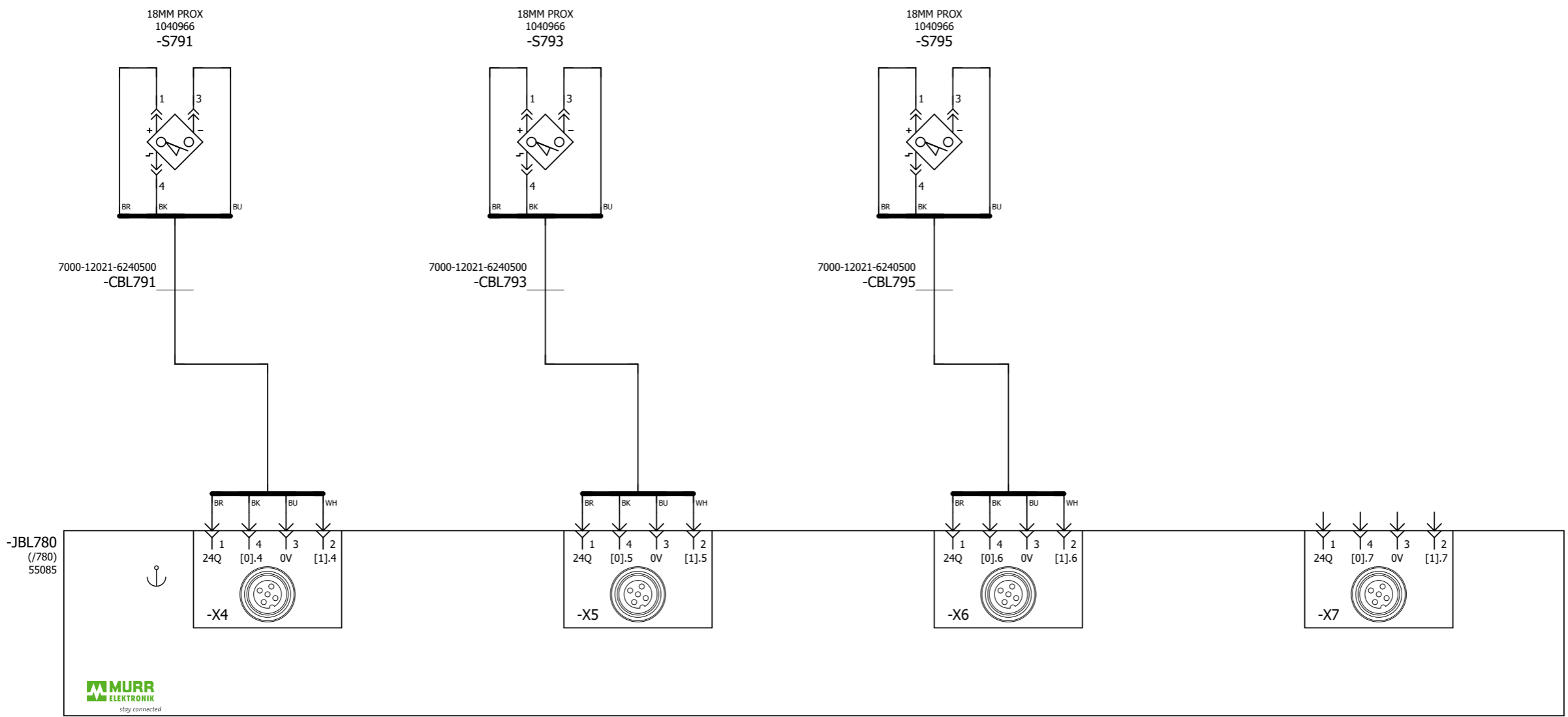
ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



REMOTE IO

= SM
 + CP1

ITI-031439-1-1 VERSION: I



ACCUMULATOR STRAP
DETECT

SPARE

MANDREL ROTATE
REFERENCE

SPARE

STRAP IN THE TRACK

SPARE

SPARE

SPARE

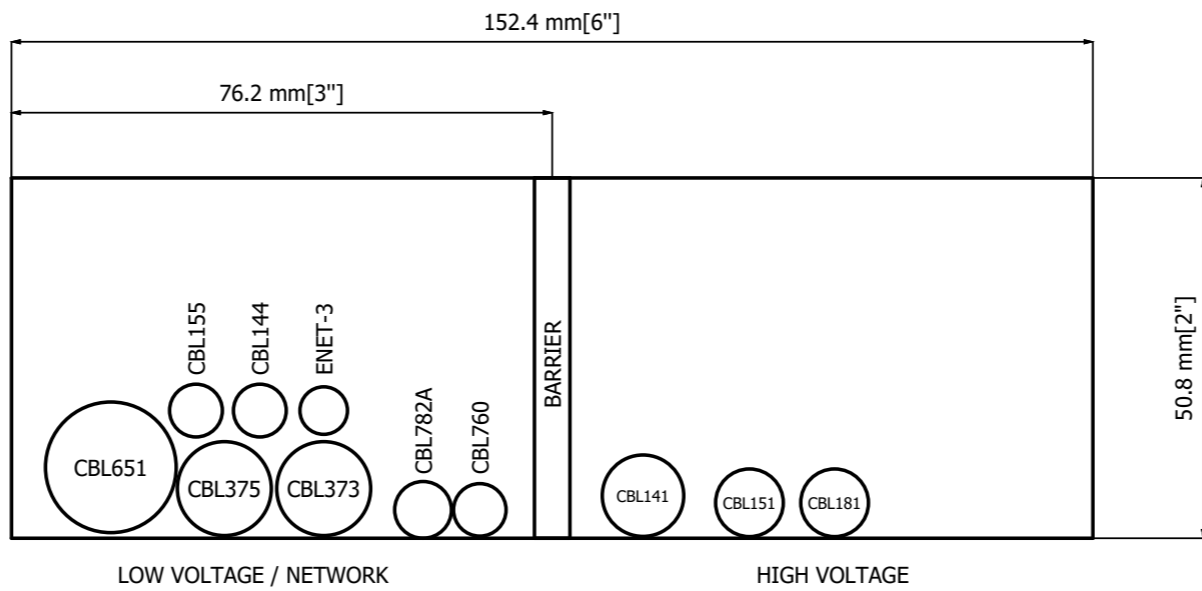
DATE	2021-11-04	REV.DATE	2022-12-19
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



REMOTE IO

= SM
+ CP1
ITI-031439-1-1
VERSION: I



DATE	2021-04-27	REV.DATE	2022-03-24
DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

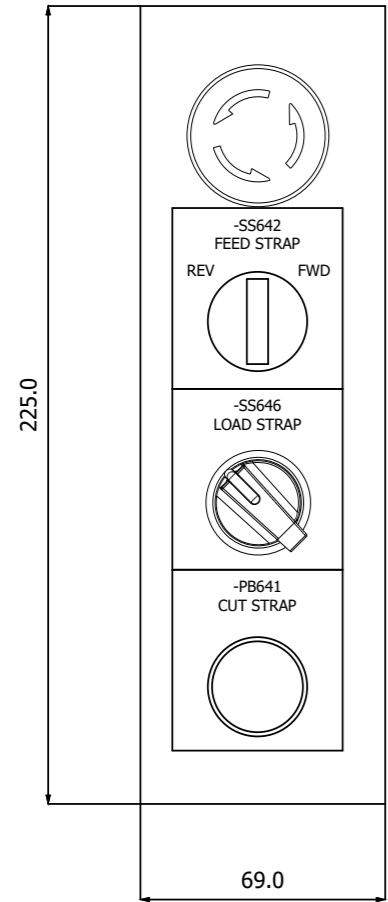
ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



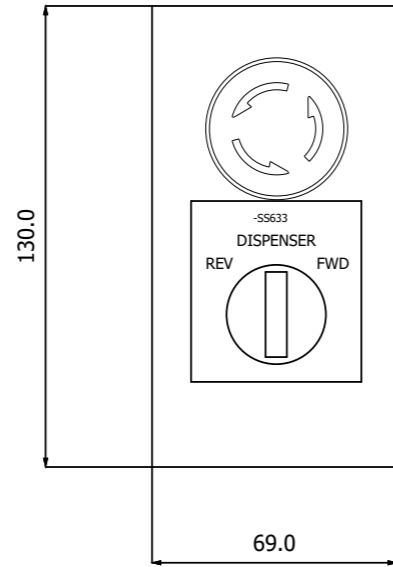
CABLE ROUTING ORGANIZATION

= SM
+ CP1
ITI-031439-1-1
VERSION: I

HEAD 1 CONTROLS
8017667
+OP11



DISPENSER 1 CONTROL
8017665
+OP12



DATE	2021-04-27	REV.DATE	2022-03-23
DESIGNED	ITI_KW	REVISED	KW
APPROVED			
STATUS	Gate Switch Added		

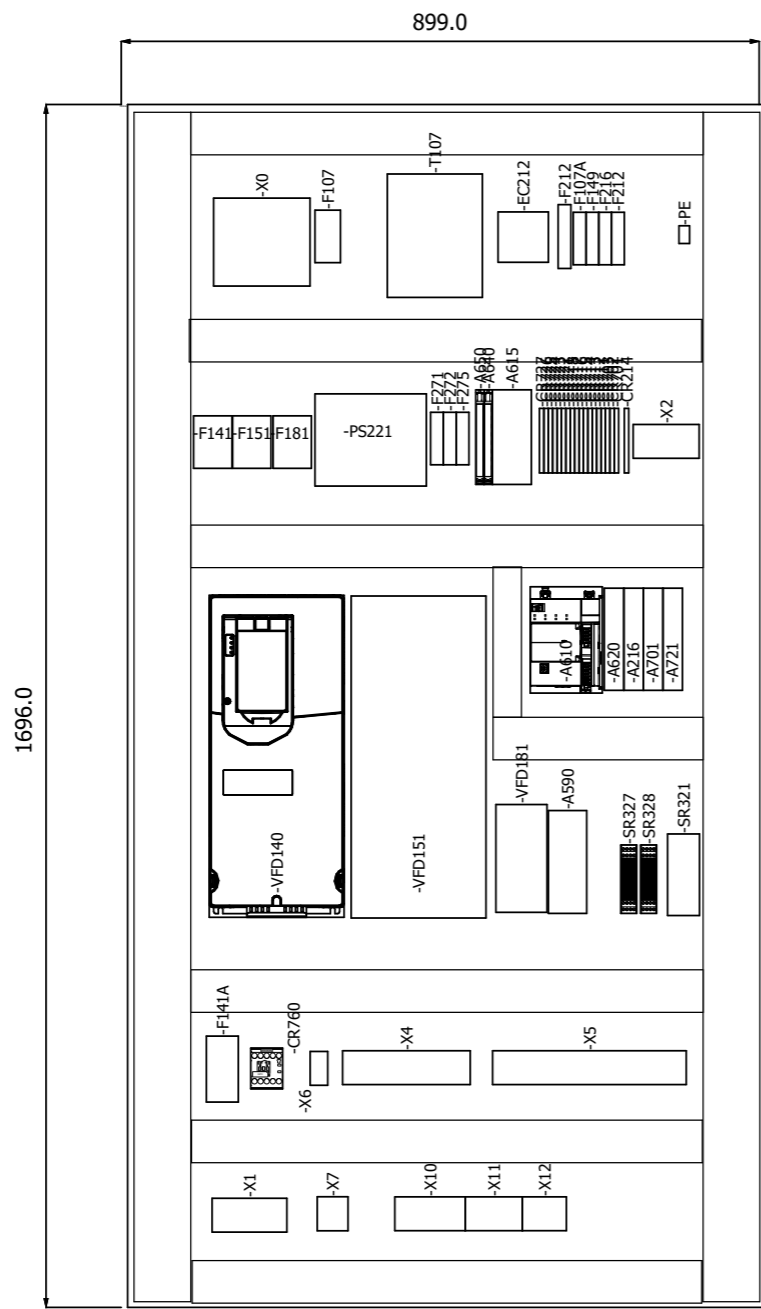
ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



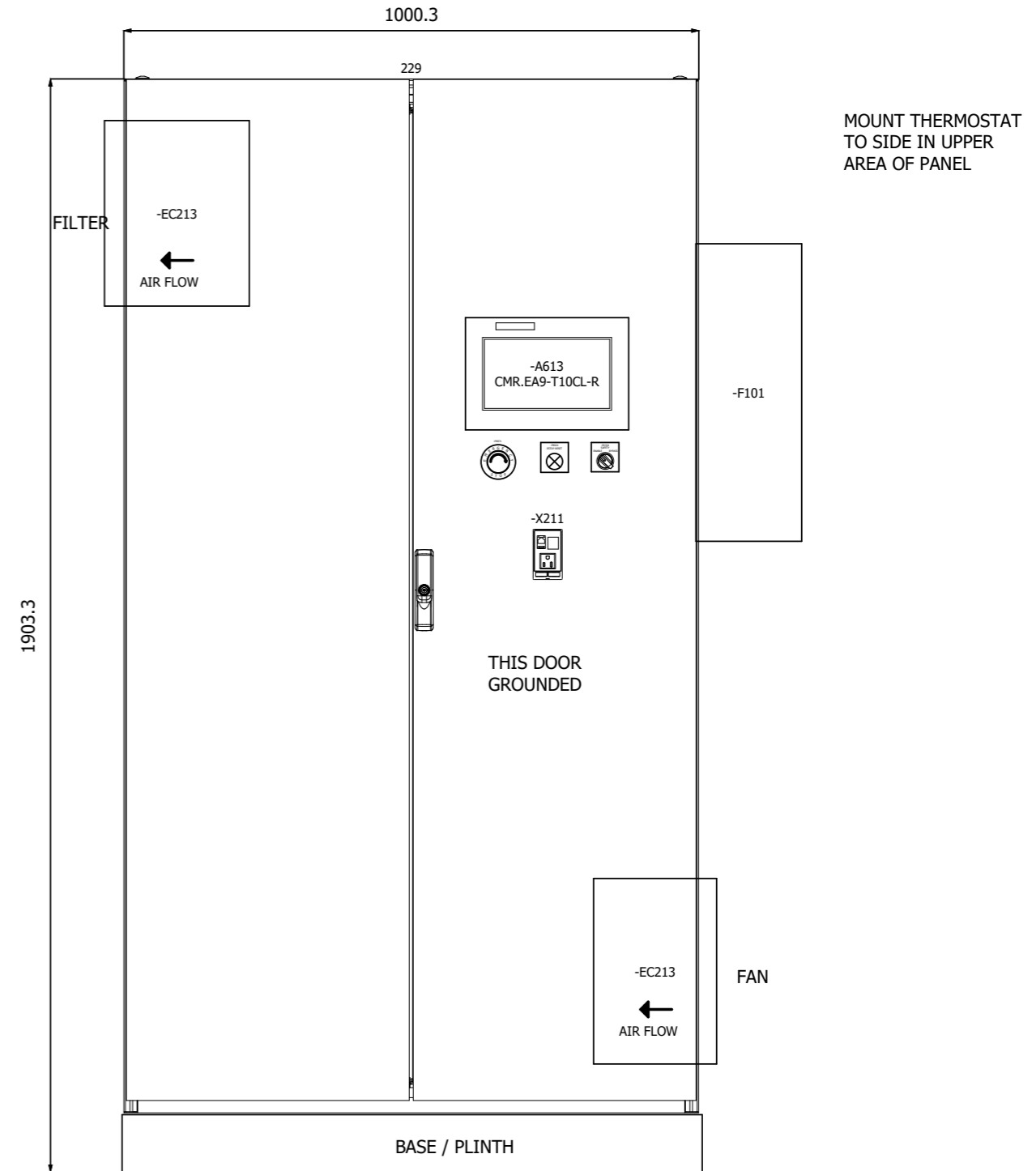
OP11 / OP12

= SM
+ CP1
ITI-031439-1-1
VERSION: I

+CP 1 MAIN PANEL



+CP 1 MAIN PANEL



MOUNT THERMOSTAT TO SIDE IN UPPER AREA OF PANEL

DATE	2021-04-27	REV.DATE	2023-01-24
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



CP1 PANEL LAYOUT

= SM
+ CP1
ITI-031439-1-1
VERSION: I

TERMINALSTRIP NAME		CABLE NUMBER		CABLE TYPE		SHEET / PATH	
=SM+CP1-X2 TERMINAL STRIP - 120VAC DISTRIBUTION		EXTERNAL	CONNECTION	WIRE NUMBER	TERMINAL NUMBER	BRIDGE	INTERNAL
-F149	1	L	1	L	1.0	•	-F107A
-X211	X3:1	L	X3:1	L	1.1	•	
-F212	1	L	1	L	1.2	•	
-CR214	A1	L	A1	L	1.3	•	
-F216	1	L	1	L	1.4	•	
-CR760	3/L2	N	3/L2	N	1.5	•	-X221
-X211	X1:2	N	X1:2	N	2.0	•	-T107
-EC212	7	N	7	N	2.1	•	
-EC213	X1:N	N	X1:N	N	2.2	•	
-CR214	A2	N	A2	N	2.3	•	
-A216	(-)	N	(-)	N	2.4	•	
-X221	1	N	1	N	2.5	•	-X221
					2.6	•	-CR701
					PE	•	
					PE	•	
					PE	•	
					PE	•	
-PS221	-		-		1	•	-PS221

DATE	2023-02-17	REV.DATE	2023-02-17
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



=SM+CP1-X2 120VAC DISTRIBUTION

= SM	
+ CP1	
ITI-031439-1-1	VERSION: I

TERMINALSTRIP NAME =SM+CP1-X4 TERMINAL STRIP - SAFE TORQUE OFF		EXTERNAL	CONNECTION	WIRE NUMBER	TERMINAL NUMBER	BRIDGE	INTERNAL	CONNECTION	SHEET / PATH
CABLE NUMBER	CABLE TYPE								
-CBL782A IO POWER	7/8" POWER CABLE 4x16 AWG 10 m								
-CBL326A	FLEXIBLE CABLE 7x20 AWG 20 m								
-CBL325									
-CBL326									
-CBL326A	FLEXIBLE CABLE 20								
CABLE NUMBER	CABLE TYPE								
		-SR321	IN5	326E	10.1	•	-GS326	32	(/326)
		-A620	3	624A	11	•	-GS326	14	(/624)
		-VFD140	SP-	0V	1.1	•			(/143)
		-VFD151	SP-		1.2	•			(/153)
		-SR321	IN6	326F	10.2	•	-GS326	22	(/326)
		-VFD181	04	0V	1.3	•			(/183)
				0V	1.4	•	-SR321	0V	(/321)
				0V	1.5	•	-U325A		(/326)
				0V	1.6	•	-U325B		(/326)
				0V	1.7	•	-SR327	A2	(/328)
				0V	1.8	•	-SR328	A2	(/328)
				0V	1.9	•	-X10	10	(/751)
		-CR760	A2	0V;0V	1.10	•	-X13	2;1	(/761)
							-X13	1	
		-SR321-RO2	43	+24E;+24E	2.1	•	-SR321-RO1	14;33	(/328)
		-A620	6	+24E	2.2	•	-SR328	33	(/627)
				+24E	2.3	•	-CR711	14	(/751)
		-JBL780	POWER IN:1	+24E	2.4	•			(/782)
		-A620	7	+24S	3.1	•	-SR327	14	(/628)
				+24E	2.4	•	-CR705	11	(/769)
				+24S	3.2	•	-CR721	14	(/761)
		-GS326	31	326C	6.1	•	-U325B		(/326)
		-GS326	21	326D	6.2	•	-U325B		(/326)
		-VFD140	SP+	STO.S1	7.1	•			(/144)
		-VFD151	SP+	STO.S1	7.2	•	-SR327	24	(/154)
		-VFD140	SE+	STO.S2	8.1	•			(/144)
		-VFD151	SE+	STO.S2	8.2	•	-SR327	34	(/154)
		-VFD181	S1	STO.E1	9.1	•	-SR321-RO1	24	(/182)
		-VFD181	S2	STO.E2	9.2	•	-SR321-RO1	34	(/183)

DATE	2023-02-17	REV.DATE	2023-02-17
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



=SM+CP1-X4 SAFE TORQUE OFF

= SM
+ CP1
ITI-031439-1-1
VERSION: I

TERMINALSTRIP NAME		EXTERNAL	CONNECTION	WIRE NUMBER	TERMINAL NUMBER	BRIDGE	INTERNAL	CONNECTION	CABLE TYPE	SHEET / PATH
=SM+CP1-X5 TERMINAL STRIP - 24VDC DISTRIBUTION		-A590	(-)	0V	1.1	•				(/591)
		-A610	3:3	0V	1.2	•••••				(/611)
		-A610	3:3	0V	1.3	•••••				(/612)
		-A613	-	0V	1.4	•••••				(/613)
		-A615	4	0V	1.5	•••••				(/617)
		-X10	3	0V	1.6	•••••				(/651)
				0V	1.7	•••••	X6	5		(/741)
				0V	1.8	•••••	JBL780	POWER IN:3 BK		(/782)
				0V	1.9	•••••	JBL780	POWER IN:4 BU		(/782)
		-U325B		+24C	2.1	•••••		2		(/325)
		-U325A		+24C	2.2	•••••				(/326)
		-A590	(+)	+24C	2.3	•••••				(/591)
		-A610	3:1	+24C	2.4	•••••				(/611)
		-A613	+	+24C	2.5	•••••				(/613)
-A615	6	+24C	2.6	•••••				(/617)		
-SR321	24V	+24Q	3.1	•••••		2		(/321)		
-SR327	Y1	+24Q	3.2	•••••		13		(/325)		
-PB371	34	+24Q	3.3	•••••				(/371)		
-A610	3:1	+24Q	3.4	•••••				(/612)		
-F141	13	+24Q	3.5	•••••				(/621)		
-GS326	13		3.6	•••••				(/624)		
-CR214	14	+24Q	3.6	•••••				(/625)		
-A620	5	+24Q	3.7	•••••				(/626)		
-X6	2	+24Q	3.8	•••••				(/631)		
-X12	6	+24Q	3.9	•••••				(/633)		
-CR760	13	+24Q	3.10	•••••				(/637)		
-X11	6	+24Q	3.11	•••••				(/641)		
-X10	1	+24Q	3.12	•••••				(/651)		
-CR701	14	+24Q	3.13	•••••				(/741)		
		+24Q	3.14	•••••	JBL780	POWER IN:2 BR		(/782)		
			PE	•				(/613)		
			PE	•				(/613)		
			PE	•				(/616)		
			PE	•				(/591)		

CABLE NUMBER	CABLE TYPE
-CBL325	
-CBL326	
-CBL326A	FLEXIBLE CABLE 7x20 AWG 20 m

DATE	2023-02-17	REV.DATE	2023-02-17
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
ARCELOR MITTAL LONG PRODUCT
LONG PRODUCTS ID BANDER



=SM+CP1-X5 24VDC DISTRIBUTION

= SM	
+ CP1	
ITI-031439-1-1	VERSION: I

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
AUTOMAT					
	EA9-T10CL	C-MORE; 10" TOUCH PANEL	EA9	1	C-MORE
	C5E-STPGN-S7	GREEN ETHERNET CABLE 7 FEET	C5E-STPGN-S7	4	AUTOMATION DIRECT
	C5E-STPGN-S10	GREEN ETHERNET CABLE 10 FEET	C5E-STPGN-S10	4	AUTOMATION DIRECT

=SM+CP1/110

451

DATE	2023-01-26	REV.DATE	2023-01-26	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SUMMARIZED PARTS LIST: CMR.EA9-T10CL-R		= SM.Z02	450
DESIGNED	ITI_KW	REVISED	ITI_CW						
APPROVED									
STATUS	Gate Switch Added								
							ITI-031439-1-1	VERSION: I	

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
AZTEC					
	3110000	SK ENCLOSURE INTERNAL THERMOSTAT	SK 3110.000	1	RITTAL
	3243110	PANEL COOLING FAN / FILTER 600 m³/h	SK.3243110	1	RITTAL
	3243200	OUTLET FILTER FOR SK 3243 / 44 FAN UNITS	SK.3243200	1	RITTAL
	3173100	SPARE FILTER - SK 3243 / 44 / 45	SK.3173100	1	RITTAL
	LPJ-30SP	FUSE 30A CLASS J	F30A	3	BUSSMAN
	LP-CC-5	FUSE 5A CLASS CC	LP-CC	4	BUSSMAN
	LP-CC-12	FUSE 12A CLASS CC	LP-CC	1	BUSSMAN
	LP-CC-15	FUSE 15A CLASS CC	LP-CC	6	BUSSMAN
	XTPRP40BC1	MMP, 0.25-0.4A	XTPR	1	EATON CORPORATION
	LP-CC-2	FUSE 2A CLASS CC	LP-CC	2	BUSSMAN
	LP-CC-30	FUSE 30A CLASS CC	LP-CC	3	BUSSMAN
	XTPR6P3BC1	MMP, 4.0-6.3A, 3.0HP	XTPR	1	EATON CORPORATION
	LP-CC-6	FUSE 6A CLASS CC	LP-CC	3	BUSSMAN
	LP-CC-3	FUSE 3A CLASS CC	LP-CC	1	BUSSMAN
	3044102	UT 4 - TERMINAL	UT 4	151	PHOENIX CONTACT
	5840600	VX SE free-standing enclosure system	SE.5840600	1	Rittal
	8640005	Base/plinth corner piece with base/plinth trim panels, front and rear,	VX.8640005	1	RITTAL
	8640031	Base/plinth trim panels, side, sheet steel, optimised design, 100 mm	VX.8640031	1	RITTAL
	2412216	SZ Earthing strap, 16 mm²	SZ.2412216	2	RITTAL
	4116000	Wiring plan pocket of sheet steel	PS.4116000	1	Rittal
	TA-2	GROUND LUG, 2-14 AWG	TA-2	1	EATON CORPORATION
	2938620	24VDC POWER SUPPLY UNIT	100-240AC/24DC/20	1	PHOENIX CONTACT
	SP1500ACP	600/480 120 X 240, 1.5kVA	SP...ACP	1	HAMMOND POWER
	SPFG1	TRANSFORMER FINGER GUARD - MQMJ 50-3000VA	SPFG1	2	HAMMOND POWER
	PDB220-3	POWER DISTRIBUTION BLOCK, 1 IN-4 OUT	PDB220-3	1	EATON CORPORATION
	CPB162-1	POWER DISTRIBUTION BLOCK FINGER COVER	CPB162-1	3	EATON CORPORATION
	3044128	UT 4-PE - TERMINAL	UT 4	19	PHOENIX CONTACT

DATE	2023-02-17	REV.DATE	2023-02-17
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



SUMMARIZED PARTS LIST: RIT.3110000

= SM.Z02
+
ITI-031439-1-1
VERSION: I

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
AZTEC					
	8017667	4 22.5MM PB ENCLOSURE	PB04225M1C	1	RITTAL
	8017665	2 22.5MM PB ENCLOSURE	PB03225M1C	1	RITTAL

DATE	2023-01-26	REV.DATE	2023-01-26	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 <p>itipack AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695</p>	SUMMARIZED PARTS LIST: RIT.8017667	= SM.Z02	452
DESIGNED	ITI_KW	REVISED	ITI_CW				+	
APPROVED								
STATUS	Gate Switch Added						ITI-031439-1-1	

SUMMARIZED PARTS LIST

F02_TNA2


SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
FESTO					
	539245	Connecting cable	NEBV-S1W37-E-10-LE26	1	Festo
	539212	Blanking plate	VABB-S4-1-WT	1	Festo

DATE	2023-01-26	REV.DATE	2023-01-26	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 <p>ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695</p>	SUMMARIZED PARTS LIST: FES.539245	= SM.Z02	453
DESIGNED	ITI_KW	REVISED	ITI_CW				+	
APPROVED								
STATUS	Gate Switch Added						ITI-031439-1-1	

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
FRANKLIN					
	3RT2015-1BB41	CONTACTOR,AC3:3KW 1NO DC24V	3RT2015-1BB41	1	SIEMENS
	3NW75230HG	FUSE HOLDER, 2PH	3NW75230HG	1	SIEMENS
	3NW75130HG	FUSE HOLDER, 1PH	3NW75130HG	9	SIEMENS
	3NW75330HG	FUSE HOLDER, 3PH	3NW75330HG	3	SIEMENS
	AZ 16-12ZVRK	Safety position switch with separate actuator	AZ 16-12ZVRK	1	SCHMERSAL
	AZ15/16B1	SAFETY POSITION SWITCH ACTUATOR	AZ15/16B1	1	SCHMERSAL
	3SU1051-1HB20-0AA0	EM. STOP MUSHROOM PUSHBUTTON, 40MM, RED	3SU1051-1HB20-0AA0	3	SIEMENS
	3SU1400-1AA10-1CA0	CONTACT MODULE 1NC	3SU1400-1AA10-1CA0	7	SIEMENS
	3SU1550-0AA10-0AA0	HOLDER	3SU1550-0AA10-0AA0	9	SIEMENS
	3SU1900-0BC31-0DA0	EMERGENCY STOP BACKING PLATE, YELLOW	3SU1900-0BC31-0DA0	3	SIEMENS
	3SU1400-1AA10-1BA0	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	12	SIEMENS
	3SU1051-0AB40-0AA0	ILLUMINATED PUSHBUTTON, GREEN	3SU1051-0AB40-0AA0	1	SIEMENS
	3SU1052-2BF60-0AA0	SELECTOR SWITCH, O-I, BLACK, WHITE	3SU1052-2BF60-0AA0	2	SIEMENS
	3SU1050-0AB10-0AA0	PUSHBUTTON, BLACK	3SU1050-0AB10-0AA0	1	SIEMENS
	3SU1052-2BM60-0AA0	SELECTOR SWITCH, I>O<II, WHITE	3SU1052-2BM60-0AA0	2	Siemens

DATE	2023-02-17	REV.DATE	2023-02-17	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SUMMARIZED PARTS LIST: SIE.3RT2015-1BB41	= SM.Z02	
DESIGNED	ITI_KW	REVISED	ITI_CW					+
APPROVED								
STATUS	Gate Switch Added							ITI-031439-1-1

SUMMARIZED PARTS LIST

F02_TNA2


SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
GERRIE					
	5069-FPD	Compact 5000 Field Potential Distributor	5069	1	ALLEN BRADLEY
	5069-RTB6-SCREW	TERMINAL BLOCK - FPD	5069	1	ALLEN BRADLEY
	5069-L306ER	CompactLogix 600KB Enet Controller	5069	1	Allen-Bradley
	5069-RTB64-SCREW	6+4 POINT TERMINAL BLOCK	5069	1	ALLEN BRADLEY
	1734-AENT	Point IO ETHERNET ADAPTER MODULE	1734	1	Allen-Bradley
	5069-IB16	DIGITAL INPUT MODULE	5069	1	ALLEN BRADLEY
	5069-RTB18-SCREW	18 POINT TERMINAL BLOCK	5069	3	ALLEN BRADLEY
	1734-IB8	Point I/O 8 Ch. Sink Digital Input Module	1734	2	Allen-Bradley
	5069-OA16	DIGITAL OUTPUT, 120VAC	5069	2	ALLEN BRADLEY
	1001602	LIGHT FLEX CABLE	FLEXIBLE CABLE	1	AWP
	2535	3/4 STRAIN RELIEF - .625 - .750	2535	1	THOMAS&BETTS
	100-C09D10	IEC Contactor	100-C	1	Allen-Bradley
	ID361	3 POLE FUSED DISCONNECT SWITCH	ID361	1	SIEMENS
	M-136-427	WIRE LABELS	M-136-427	3	BRADY
	20G11NE1P7AA0NNNNN	PowerFlex 755 AC Drive, Frame 3, 600 V AC, 1.7 A, 0.75kW	20G	1	Allen-Bradley
	20-750-ENC-1	Single Incremental Encoder Option Module	20-750	2	Allen-Bradley
	20-750-S	SAFE TORQUE-OFF OPTION MODULE	20-750	2	ALLEN BRADLEY
	20-HIM-A6	HIM	20-HIM	2	ALLEN BRADLEY
	20G11NE011AA0NNNNN	PowerFlex 755 AC Drive, Frame 3, 600 V AC, 11 A, 7.5kW	20G	1	Allen-Bradley (NFPA Data)
	25B-E3P0N104	POWERFLEX525	PF525	1	Allen-Bradley

DATE	2023-02-17	REV.DATE	2023-02-17	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SUMMARIZED PARTS LIST: A-B.5069-FPD		= SM.Z02
DESIGNED	ITI_KW	REVISED	ITI_CW			+		
APPROVED								
STATUS	Gate Switch Added							
						ITI-031439-1-1	VERSION: I	455

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
MURR	58174	UNMANAGED 16 PORT ENET SWITCH	16 PORT	1	Murrelektronik
	7000-12221-6140500	M12 F 0 to FLYING LEADS, 5M, S	7000-12221-6140500	1	Murrelektronik
	7000-12221-6141000	M12 F 0 to FLYING LEADS, 10M, S	7000-12221-6141000	1	Murrelektronik
	7000-12021-6240500	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	9	Murrelektronik
	7000-12921-0000000	M12 F 0 FIELD WIREABLE	7000-12921-0000000	11	Murrelektronik
	7000-41121-0000000	T-coupler M12-male 5p. / 2x M12-female 4p. Replaced Art.-No. 13880	T-Stück M12 - M12	4	Murrelektronik
	7000-12021-6241000	M12 M 0 to FLYING LEADS, 10M, S	7000-12021-6241000	2	Murrelektronik
	7700-A4031-UMC1000	7/8" F 0 to flying leads, 10M, P	7700-A4031-UMC1000	1	Murrelektronik
	52030	TERMINAL BLOCK SPDT RELAY, 1A	MIRO 6.2	1	Murrelektronik
	6652030	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	20	Murrelektronik
	7000-44711-7961000	M12 M 0 to RJ45 M 0, 10M, E	7000-44711-7961000	1	Murrelektronik
	55085	IMPACT67 E DI16	IMPACT67 E DI16	1	Murrelektronik
	55385	7/8" PLASTIC SCREW ON CAP	55385	1	Murrelektronik
	4000-68000-4070000	MODLINK MSDD SINGLE COMBI INSERT USA NEMA 5-15	4000-68000-4070000	1	Murrelektronik
	4000-68513-0000001	Modlink MSDD frame single metallic	4000-68513-0000001	1	Murrelektronik

DATE	2023-01-26	REV.DATE	2023-01-26	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SUMMARIZED PARTS LIST: MURR.58174	= SM.Z02	ITI-031439-1-1 VERSION: I
DESIGNED	ITI_KW	REVISED	ITI_CW				+	
APPROVED								
STATUS	Gate Switch Added							

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
SHELLEY					
	TL50GYRQ	STACK LIGHT, R/Y/G	TL50	1	BANNER
	78414	STACK LIGHT, MOUNT FOR PIPE	TL50	1	BANNER
	32723	STACK LIGHT, BRACKET	TL50	1	BANNER
	10845	STACK LIGHT, 900MM PIPE	TL50	1	BANNER
	806222	SAFETY CONTROLLER	SC10	1	BANNER

DATE	2023-01-26	REV.DATE	2023-01-26	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SUMMARIZED PARTS LIST: BAN.TL50GYRQ	= SM.Z02	457
DESIGNED	ITI_KW	REVISED	ITI_CW				+	
APPROVED								
STATUS	Gate Switch Added						ITI-031439-1-1	

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
FRANKLIN					
	3SU1401-1BC40-1AA0	LED MODULE, GREEN	3SU1401-1BC40-1AA0	1	Siemens

DATE	2023-01-26	REV.DATE	2023-01-26	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SUMMARIZED PARTS LIST: SIE.3SU1401-1BC40-1AA0	= SM.Z02	458
DESIGNED	ITI_KW	REVISED	ITI_CW				+	
APPROVED								
STATUS	Gate Switch Added						ITI-031439-1-1	

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
SORT					
	1071747	RETRO-REFLECTIVE, DARK ON	HL18-A4A3BA	0	SICK
	1012720	REFLECTOR - SHORT RANGE	PL40A	0	SICK
	1040966	PROXIMITY SENSOR, NO	IME18-08BPSZC0S	5	SICK
	6024919	SAFETY EXTENSION RELAY	UE10-4XT2D2	2	SICK
	1211509	DETEC4 CORE - 1800mm - SENDER	C4C-SA18030A10000	1	SICK
	1211510	DETEC4 CORE - 1800mm - RECEIVER	C4C-EA18030A10000	1	SICK

DATE	2023-01-26	REV.DATE	2023-01-26	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	SUMMARIZED PARTS LIST: SICK.HL18-A4A3BA	= SM.Z02	459
DESIGNED	ITI_KW	REVISED	ITI_CW				+	
APPROVED								
STATUS	Gate Switch Added							
						ITI-031439-1-1	VERSION: I	

SUMMARIZED PARTS LIST

F02_TNA2

SUPPLIER	ORDER NUMBER	DESIGNATION	TYPE NUMBER	QUANTITY	MANUFACTURER
STOCK					
	1001407	LIGHT FLEX CABLE	FLEXIBLE CABLE	5.00	AWP
	1002007S	LIGHT FLEX SHIELDED CABLE	FLEXIBLE CABLE	35.00	AWP
	1001404	LIGHT FLEX CABLE	FLEXIBLE CABLE	10.00	AWP
	1001612	LIGHT FLEX CABLE	FLEXIBLE CABLE	20.00	AWP
	1001625	LIGHT FLEX CABLE	FLEXIBLE CABLE	5.00	AWP

DATE	2023-02-17	REV.DATE	2023-02-17	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 <p>ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695</p>	SUMMARIZED PARTS LIST: AWP.1001407-LF	= SM.Z02	460
DESIGNED	ITI_KW	REVISED	ITI_CW				+	
APPROVED								
STATUS	Gate Switch Added						ITI-031439-1-1	

BILL OF MATERIAL

DEVICE DESIGNATION	QUANT.	DESCRIPTION	TYPE:	MANUFACTURER	ORDER NUMBER
=SM+CP1-A216	1	Compact 5000 Field Potential Distributor	5069	ALLEN BRADLEY	5069-FPD
=SM+CP1-A216	1	TERMINAL BLOCK - FPD	5069	ALLEN BRADLEY	5069-RTB6-SCREW
=SM+CP1-A590	1	UNMANAGED 16 PORT ENET SWITCH	16 PORT	Murrelektronik	58174
=SM+CP1-A610	1	CompactLogix 600KB Enet Controller	5069	Allen-Bradley	5069-L306ER
=SM+CP1-A610	1	6+4 POINT TERMINAL BLOCK	5069	ALLEN BRADLEY	5069-RTB64-SCREW
=SM+CP1-A613	1	C-MORE; 10" TOUCH PANEL	EA9	C-MORE	EA9-T10CL
=SM+CP1-A615	1	Point IO ETHERNET ADAPTER MODULE	1734	Allen-Bradley	1734-AENT
=SM+CP1-A620	1	DIGITAL INPUT MODULE	5069	ALLEN BRADLEY	5069-IB16
=SM+CP1-A620	1	18 POINT TERMINAL BLOCK	5069	ALLEN BRADLEY	5069-RTB18-SCREW
=SM+CP1-A640	1	Point I/O 8 Ch. Sink Digital Input Module	1734	Allen-Bradley	1734-IB8
=SM+CP1-A650	1	Point I/O 8 Ch. Sink Digital Input Module	1734	Allen-Bradley	1734-IB8
=SM+CP1-A701	1	DIGITAL OUTPUT, 120VAC	5069	ALLEN BRADLEY	5069-OA16
=SM+CP1-A701	1	18 POINT TERMINAL BLOCK	5069	ALLEN BRADLEY	5069-RTB18-SCREW
=SM+CP1-A721	1	DIGITAL OUTPUT, 120VAC	5069	ALLEN BRADLEY	5069-OA16
=SM+CP1-A721	1	18 POINT TERMINAL BLOCK	5069	ALLEN BRADLEY	5069-RTB18-SCREW
=SM+CP1-CBL141	1	LIGHT FLEX CABLE	FLEXIBLE CABLE	AWP	1001407
=SM+CP1-CBL144	1	LIGHT FLEX SHIELDED CABLE	FLEXIBLE CABLE	AWP	1002007S
=SM+CP1-CBL151	1	LIGHT FLEX CABLE	FLEXIBLE CABLE	AWP	1001404
=SM+CP1-CBL151	1	LIGHT FLEX CABLE	FLEXIBLE CABLE	AWP	1001602
=SM+CP1-CBL155	1	LIGHT FLEX SHIELDED CABLE	FLEXIBLE CABLE	AWP	1002007S
=SM+CP1-CBL181	1	LIGHT FLEX CABLE	FLEXIBLE CABLE	AWP	1001404
=SM+CP1-CBL326A	1	LIGHT FLEX SHIELDED CABLE	FLEXIBLE CABLE	AWP	1002007S
=SM+CP1-CBL373	1	LIGHT FLEX CABLE	FLEXIBLE CABLE	AWP	1001612
=SM+CP1-CBL375	1	LIGHT FLEX CABLE	FLEXIBLE CABLE	AWP	1001612
=SM+CP1-CBL631	1	M12 F 0 to FLYING LEADS, 5M, S	7000-12221-6140500	Murrelektronik	7000-12221-6140500
=SM+CP1-CBL651	1	LIGHT FLEX CABLE	FLEXIBLE CABLE	AWP	1001625
=SM+CP1-CBL651	1	3/4 STRAIN RELIEF - .625 - .750	2535	THOMAS&BETTS	2535
=SM+CP1-CBL741	1	M12 F 0 to FLYING LEADS, 10M, S	7000-12221-6141000	Murrelektronik	7000-12221-6141000
=SM+CP1-CBL760	1	Connecting cable	NEBV-S1W37-E-10-LE26	Festo	539245
=SM+CP1-CBL781	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL781	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL781A	1	T-coupler M12-male 5p. / 2x M12-female 4p. Replaced Art.-No. 13880	T-Stück M12 - M12	Murrelektronik	7000-41121-0000000
=SM+CP1-CBL782	1	M12 M 0 to FLYING LEADS, 10M, S	7000-12021-6241000	Murrelektronik	7000-12021-6241000
=SM+CP1-CBL782	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL782A	1	7/8" F 0 to flying leads, 10M, P	7700-A4031-UMC1000	Murrelektronik	7700-A4031-UMC1000

=.Z02/460

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DATE	2023-02-17	REV.DATE	2023-02-17	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	BILL OF MATERIALS	= SM.Z01	1	
DESIGNED	ITI_KW	REVISED	ITI_CW						
APPROVED									
STATUS	Gate Switch Added								
							ITI-031439-1-1	VERSION: I	

BILL OF MATERIAL

DEVICE DESIGNATION	QUANT.	DESCRIPTION	TYPE:	MANUFACTURER	ORDER NUMBER
=SM+CP1-CBL783	1	M12 M 0 to FLYING LEADS, 10M, S	7000-12021-6241000	Murrelektronik	7000-12021-6241000
=SM+CP1-CBL783	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL783A	1	T-coupler M12-male 5p. / 2x M12-female 4p. Replaced Art.-No. 13880	T-Stück M12 - M12	Murrelektronik	7000-41121-0000000
=SM+CP1-CBL784	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL784	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL785	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL785	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL785A	1	T-coupler M12-male 5p. / 2x M12-female 4p. Replaced Art.-No. 13880	T-Stück M12 - M12	Murrelektronik	7000-41121-0000000
=SM+CP1-CBL786	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL786	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL787	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL787	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL787A	1	T-coupler M12-male 5p. / 2x M12-female 4p. Replaced Art.-No. 13880	T-Stück M12 - M12	Murrelektronik	7000-41121-0000000
=SM+CP1-CBL788	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL788	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL791	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL791	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL793	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL793	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CBL795	1	M12 M 0 to FLYING LEADS, 5M, S	7000-12021-6240500	Murrelektronik	7000-12021-6240500
=SM+CP1-CBL795	1	M12 F 0 FIELD WIREABLE	7000-12921-0000000	Murrelektronik	7000-12921-0000000
=SM+CP1-CR214	1	TERMINAL BLOCK SPDT RELAY, 1A	MIRO 6.2	Murrelektronik	52030
=SM+CP1-CR701	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR702	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR703	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR704	1	IEC Contactor	100-C	Allen-Bradley	100-C09D10
=SM+CP1-CR705	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR711	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR712	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR713	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR714	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR715	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR716	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR717	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR718	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030

DATE	2023-02-17	REV.DATE	2023-02-17	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	BILL OF MATERIALS	= SM.Z01	2	
DESIGNED	ITI_KW	REVISED	ITI_CW						
APPROVED									
STATUS	Gate Switch Added								
							ITI-031439-1-1	VERSION: I	

BILL OF MATERIAL

DEVICE DESIGNATION	QUANT.	DESCRIPTION	TYPE:	MANUFACTURER	ORDER NUMBER
=SM+CP1-CR721	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR722	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR723	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR724	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR725	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR726	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR727	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR728	1	TERMINAL BLOCK SPDT RELAY, 6A	MIRO 6.2	Murrelektronik	6652030
=SM+CP1-CR760	1	CONTACTOR,AC3:3KW 1NO DC24V	3RT2015-1BB41	SIEMENS	3RT2015-1BB41
=SM+CP1-EC212	1	SK ENCLOSURE INTERNAL THERMOSTAT	SK 3110.000	RITTAL	3110000
=SM+CP1-EC213	1	PANEL COOLING FAN / FILTER 600 m³/h	SK.3243110	RITTAL	3243110
=SM+CP1-EC213	1	OUTLET FILTER FOR SK 3243 / 44 FAN UNITS	SK.3243200	RITTAL	3243200
=SM+CP1-EC213	1	SPARE FILTER - SK 3243 / 44 / 45	SK.3173100	RITTAL	3173100
=SM+CP1-ENET-1	1	GREEN ETHERNET CABLE 7 FEET	C5E-STPGN-S7	AUTOMATION DIRECT	C5E-STPGN-S7
=SM+CP1-ENET-2	1	GREEN ETHERNET CABLE 7 FEET	C5E-STPGN-S7	AUTOMATION DIRECT	C5E-STPGN-S7
=SM+CP1-ENET-3	1	GREEN ETHERNET CABLE 10 FEET	C5E-STPGN-S10	AUTOMATION DIRECT	C5E-STPGN-S10
=SM+CP1-ENET-4	1	GREEN ETHERNET CABLE 10 FEET	C5E-STPGN-S10	AUTOMATION DIRECT	C5E-STPGN-S10
=SM+CP1-ENET-5	1	GREEN ETHERNET CABLE 7 FEET	C5E-STPGN-S7	AUTOMATION DIRECT	C5E-STPGN-S7
=SM+CP1-ENET-9	1	GREEN ETHERNET CABLE 10 FEET	C5E-STPGN-S10	AUTOMATION DIRECT	C5E-STPGN-S10
=SM+CP1-ENET-10	1	GREEN ETHERNET CABLE 10 FEET	C5E-STPGN-S10	AUTOMATION DIRECT	C5E-STPGN-S10
=SM+CP1-ENET-11	1	GREEN ETHERNET CABLE 7 FEET	C5E-STPGN-S7	AUTOMATION DIRECT	C5E-STPGN-S7
=SM+CP1-ENET-12	1	M12 M 0 to RJ45 M 0, 10M, E	7000-44711-7961000	Murrelektronik	7000-44711-7961000
=SM+CP1-F101	1	3 POLE FUSED DISCONNECT SWITCH	ID361	SIEMENS	ID361
=SM+CP1-F101	3	FUSE 30A CLASS J	F30A	BUSSMAN	LPJ-30SP
=SM+CP1-F107	1	FUSE HOLDER, 2PH	3NW75230HG	SIEMENS	3NW75230HG
=SM+CP1-F107	2	FUSE 5A CLASS CC	LP-CC	BUSSMAN	LP-CC-5
=SM+CP1-F107A	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F107A	1	FUSE 12A CLASS CC	LP-CC	BUSSMAN	LP-CC-12
=SM+CP1-F141	3	FUSE 15A CLASS CC	LP-CC	BUSSMAN	LP-CC-15
=SM+CP1-F141	1	FUSE HOLDER, 3PH	3NW75330HG	SIEMENS	3NW75330HG
=SM+CP1-F141A	1	MMP, 0.25-0.4A	XTPR	EATON CORPORATION	XTPRP40BC1
=SM+CP1-F149	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F149	1	FUSE 2A CLASS CC	LP-CC	BUSSMAN	LP-CC-2
=SM+CP1-F151	3	FUSE 30A CLASS CC	LP-CC	BUSSMAN	LP-CC-30
=SM+CP1-F151	1	FUSE HOLDER, 3PH	3NW75330HG	SIEMENS	3NW75330HG

DATE	2023-02-17	REV.DATE	2023-02-17
DESIGNED	ITI_KW	REVISED	ITI_CW
APPROVED			
STATUS	Gate Switch Added		

ARCELOR MITTAL
 ARCELOR MITTAL LONG PRODUCT
 LONG PRODUCTS ID BANDER



BILL OF MATERIALS

= SM.Z01
 +
 ITI-031439-1-1 VERSION: I

BILL OF MATERIAL

DEVICE DESIGNATION	QUANT.	DESCRIPTION	TYPE:	MANUFACTURER	ORDER NUMBER
=SM+CP1-F151A	1	MMP, 4.0-6.3A, 3.0HP	XTPR	EATON CORPORATION	XTPR6P3BC1
=SM+CP1-F181	3	FUSE 15A CLASS CC	LP-CC	BUSSMAN	LP-CC-15
=SM+CP1-F181	1	FUSE HOLDER, 3PH	3NW75330HG	SIEMENS	3NW75330HG
=SM+CP1-F212	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F212	1	FUSE 6A CLASS CC	LP-CC	BUSSMAN	LP-CC-6
=SM+CP1-F216	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F216	1	FUSE 6A CLASS CC	LP-CC	BUSSMAN	LP-CC-6
=SM+CP1-F221	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F221	1	FUSE 6A CLASS CC	LP-CC	BUSSMAN	LP-CC-6
=SM+CP1-F271	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F271	1	FUSE 2A CLASS CC	LP-CC	BUSSMAN	LP-CC-2
=SM+CP1-F272	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F272	1	FUSE 3A CLASS CC	LP-CC	BUSSMAN	LP-CC-3
=SM+CP1-F275	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F275	1	FUSE 5A CLASS CC	LP-CC	BUSSMAN	LP-CC-5
=SM+CP1-F275	1	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-F277	1	FUSE HOLDER, 1PH	3NW75130HG	SIEMENS	3NW75130HG
=SM+CP1-F277	1	FUSE 5A CLASS CC	LP-CC	BUSSMAN	LP-CC-5
=SM+CP1-GS326	1	Safety position switch with separate actuator	AZ 16-12ZVRK	SCHMERSAL	AZ 16-12ZVRK
=SM+CP1-GS326	1	SAFETY POSITION SWITCH ACTUATOR	AZ15/16B1	SCHMERSAL	AZ15/16B1
=SM+CP1-H741	1	STACK LIGHT, R/Y/G	TL50	BANNER	TL50GYRQ
=SM+CP1-H741	1	STACK LIGHT, MOUNT FOR PIPE	TL50	BANNER	78414
=SM+CP1-H741	1	STACK LIGHT, BRACKET	TL50	BANNER	32723
=SM+CP1-H741	1	STACK LIGHT, 900MM PIPE	TL50	BANNER	10845
=SM+CP1-JBL780	1	IMPACT67 E DI16	IMPACT67 E DI16	Murrelektronik	55085
=SM+CP1-JBL780	1	7/8" PLASTIC SCREW ON CAP	55385	Murrelektronik	55385
=SM+CP1-M991B	1	VX SE free-standing enclosure system	SE.5840600	Rittal	5840600
=SM+CP1-M991B	1	Base/plinth corner piece with base/plinth trim panels, front and rear,	VX.8640005	RITTAL	8640005
=SM+CP1-M991B	1	Base/plinth trim panels, side, sheet steel, optimised design, 100 mm	VX.8640031	RITTAL	8640031
=SM+CP1-M991B	2	SZ Earthing strap, 16 mm ²	SZ.2412216	RITTAL	2412216
=SM+CP1-M991B	1	Wiring plan pocket of sheet steel	PS.4116000	Rittal	4116000
=SM+CP1-M991B	3	WIRE LABELS	M-136-427	BRADY	M-136-427
=SM+CP1-PB371	1	EM. STOP MUSHROOM PUSHBUTTON, 40MM, RED	3SU1051-1HB20-0AA0	SIEMENS	3SU1051-1HB20-0AA0
=SM+CP1-PB371	2	CONTACT MODULE 1NC	3SU1400-1AA10-1CA0	SIEMENS	3SU1400-1AA10-1CA0
=SM+CP1-PB371	1	HOLDER	3SU1550-0AA10-0AA0	SIEMENS	3SU1550-0AA10-0AA0

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DATE	2023-02-17	REV.DATE	2023-02-17	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	BILL OF MATERIALS	= SM.Z01	4	
DESIGNED	ITI_KW	REVISED	ITI_CW				+		
APPROVED									
STATUS	Gate Switch Added								
							ITI-031439-1-1	VERSION: I	

BILL OF MATERIAL

DEVICE DESIGNATION	QUANT.	DESCRIPTION	TYPE:	MANUFACTURER	ORDER NUMBER
=SM+CP1-PB371	1	EMERGENCY STOP BACKING PLATE, YELLOW	3SU1900-0BC31-0DA0	SIEMENS	3SU1900-0BC31-0DA0
=SM+CP1-PB371	1	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	SIEMENS	3SU1400-1AA10-1BA0
=SM+CP1-PBL324	1	ILLUMINATED PUSHBUTTON, GREEN	3SU1051-0AB40-0AA0	SIEMENS	3SU1051-0AB40-0AA0
=SM+CP1-PBL324	2	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	SIEMENS	3SU1400-1AA10-1BA0
=SM+CP1-PBL324	1	HOLDER	3SU1550-0AA10-0AA0	SIEMENS	3SU1550-0AA10-0AA0
=SM+CP1-PBL324	1	LED MODULE, GREEN	3SU1401-1BC40-1AA0	Siemens	3SU1401-1BC40-1AA0
=SM+CP1-PE	1	GROUND LUG, 2-14 AWG	TA-2	EATON CORPORATION	TA-2
=SM+CP1-PS221	1	24VDC POWER SUPPLY UNIT	100-240AC/24DC/20	PHOENIX CONTACT	2938620
=SM+CP1-S787	1	PROXIMITY SENSOR, NO	IME18-08BPSZC0S	SICK	1040966
=SM+CP1-S788	1	PROXIMITY SENSOR, NO	IME18-08BPSZC0S	SICK	1040966
=SM+CP1-S791	1	PROXIMITY SENSOR, NO	IME18-08BPSZC0S	SICK	1040966
=SM+CP1-S793	1	PROXIMITY SENSOR, NO	IME18-08BPSZC0S	SICK	1040966
=SM+CP1-S795	1	PROXIMITY SENSOR, NO	IME18-08BPSZC0S	SICK	1040966
=SM+CP1-SR321	1	SAFETY CONTROLLER	SC10	BANNER	806222
=SM+CP1-SR327	1	SAFETY EXTENSION RELAY	UE10-4XT2D2	SICK	6024919
=SM+CP1-SR328	1	SAFETY EXTENSION RELAY	UE10-4XT2D2	SICK	6024919
=SM+CP1-SS324	1	SELECTOR SWITCH, O-I, BLACK, WHITE	3SU1052-2BF60-0AA0	SIEMENS	3SU1052-2BF60-0AA0
=SM+CP1-SS324	1	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	SIEMENS	3SU1400-1AA10-1BA0
=SM+CP1-SS324	1	HOLDER	3SU1550-0AA10-0AA0	SIEMENS	3SU1550-0AA10-0AA0
=SM+CP1-SS324	1	CONTACT MODULE 1NC	3SU1400-1AA10-1CA0	SIEMENS	3SU1400-1AA10-1CA0
=SM+CP1-T107	1	600/480 120 X 240, 1.5kVA	SP...ACP	HAMMOND POWER	SP1500ACP
=SM+CP1-T107	2	TRANSFORMER FINGER GUARD - MQMJ 50-3000VA	SPFG1	HAMMOND POWER	SPFG1
=SM+CP1-U325A	1	DETEC4 CORE - 1800mm - SENDER	C4C-SA18030A10000	SICK	1211509
=SM+CP1-U325B	1	DETEC4 CORE - 1800mm - RECEIVER	C4C-EA18030A10000	SICK	1211510
=SM+CP1-VB760	1	Blanking plate	VABB-S4-1-WT	Festo	539212
=SM+CP1-VFD140	1	PowerFlex 755 AC Drive, Frame 3, 600 V AC, 1.7 A, 0.75kW	20G	Allen-Bradley	20G11NE1P7AA0NNNNN
=SM+CP1-VFD140	1	Single Incremental Encoder Option Module	20-750	Allen-Bradley	20-750-ENC-1
=SM+CP1-VFD140	1	SAFE TORQUE-OFF OPTION MODULE	20-750	ALLEN BRADLEY	20-750-S
=SM+CP1-VFD140	1	HIM	20-HIM	ALLEN BRADLEY	20-HIM-A6
=SM+CP1-VFD151	1	PowerFlex 755 AC Drive, Frame 3, 600 V AC, 11 A, 7.5kW	20G	Allen-Bradley (NFPA Data)	20G11NE011AA0NNNNN
=SM+CP1-VFD151	1	Single Incremental Encoder Option Module	20-750	Allen-Bradley	20-750-ENC-1
=SM+CP1-VFD151	1	SAFE TORQUE-OFF OPTION MODULE	20-750	ALLEN BRADLEY	20-750-S
=SM+CP1-VFD151	1	HIM	20-HIM	ALLEN BRADLEY	20-HIM-A6
=SM+CP1-VFD181	1	POWERFLEX525	PF525	Allen-Bradley	25B-E3P0N104
=SM+CP1-X0	1	POWER DISTRIBUTION BLOCK, 1 IN-4 OUT	PDB220-3	EATON CORPORATION	PDB220-3

BILL OF MATERIAL

DEVICE DESIGNATION	QUANT.	DESCRIPTION	TYPE:	MANUFACTURER	ORDER NUMBER
=SM+CP1-X0	3	POWER DISTRIBUTION BLOCK FINGER COVER	CPB162-1	EATON CORPORATION	CPB162-1
=SM+CP1-X1	11	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X1	7	UT 4-PE - TERMINAL	UT 4	PHOENIX CONTACT	3044128
=SM+CP1-X2	13	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X2	4	UT 4-PE - TERMINAL	UT 4	PHOENIX CONTACT	3044128
=SM+CP1-X4	28	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X5	30	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X5	4	UT 4-PE - TERMINAL	UT 4	PHOENIX CONTACT	3044128
=SM+CP1-X6	7	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X7	12	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X7	1	UT 4-PE - TERMINAL	UT 4	PHOENIX CONTACT	3044128
=SM+CP1-X10	17	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X10	1	UT 4-PE - TERMINAL	UT 4	PHOENIX CONTACT	3044128
=SM+CP1-X11	12	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X11	1	UT 4-PE - TERMINAL	UT 4	PHOENIX CONTACT	3044128
=SM+CP1-X12	8	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X12	1	UT 4-PE - TERMINAL	UT 4	PHOENIX CONTACT	3044128
=SM+CP1-X13	10	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+CP1-X211	1	MODLINK MSDD SINGLE COMBI INSERT USA NEMA 5-15	4000-68000-4070000	Murrelektronik	4000-68000-4070000
=SM+CP1-X211	1	Modlink MSDD frame single metallic	4000-68513-0000001	Murrelektronik	4000-68513-0000001
=SM+CP1-X221	2	UT 4 - TERMINAL	UT 4	PHOENIX CONTACT	3044102
=SM+OP11	1	4 22.5MM PB ENCLOSURE	PB04225M1C	RITTAL	8017667
=SM+OP11-PB373	1	EM. STOP MUSHROOM PUSHBUTTON, 40MM, RED	3SU1051-1HB20-0AA0	SIEMENS	3SU1051-1HB20-0AA0
=SM+OP11-PB373	2	CONTACT MODULE 1NC	3SU1400-1AA10-1CA0	SIEMENS	3SU1400-1AA10-1CA0
=SM+OP11-PB373	1	HOLDER	3SU1550-0AA10-0AA0	SIEMENS	3SU1550-0AA10-0AA0
=SM+OP11-PB373	1	EMERGENCY STOP BACKING PLATE, YELLOW	3SU1900-0BC31-0DA0	SIEMENS	3SU1900-0BC31-0DA0
=SM+OP11-PB373	1	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	SIEMENS	3SU1400-1AA10-1BA0
=SM+OP11-PB641	1	PUSHBUTTON, BLACK	3SU1050-0AB10-0AA0	SIEMENS	3SU1050-0AB10-0AA0
=SM+OP11-PB641	1	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	SIEMENS	3SU1400-1AA10-1BA0
=SM+OP11-PB641	1	HOLDER	3SU1550-0AA10-0AA0	SIEMENS	3SU1550-0AA10-0AA0
=SM+OP11-SS642	1	SELECTOR SWITCH, I>O<II, WHITE	3SU1052-2BM60-0AA0	Siemens	3SU1052-2BM60-0AA0
=SM+OP11-SS642	2	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	SIEMENS	3SU1400-1AA10-1BA0
=SM+OP11-SS642	1	HOLDER	3SU1550-0AA10-0AA0	SIEMENS	3SU1550-0AA10-0AA0
=SM+OP11-SS646	1	SELECTOR SWITCH, O-I, BLACK, WHITE	3SU1052-2BF60-0AA0	SIEMENS	3SU1052-2BF60-0AA0
=SM+OP11-SS646	1	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	SIEMENS	3SU1400-1AA10-1BA0

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DATE	2023-02-17	REV.DATE	2023-02-17	ARCELOR MITTAL ARCELOR MITTAL LONG PRODUCT LONG PRODUCTS ID BANDER	 AUTOMATED STRAPPING SYSTEMS ITIPACK SYSTEMS BURLINGTON CANADA +1 (905) 333 3695	BILL OF MATERIALS	= SM.Z01	
DESIGNED	ITI_KW	REVISED	ITI_CW					+
APPROVED								
STATUS	Gate Switch Added							ITI-031439-1-1

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