

0	1	2	3	4	5	6	7	8	9	
Enclosure Type	Sheet Steel								Cable Sizing	
IP	54								0.75mm ²	Controls Wiring
Colour	RAL7035								2.5mm ²	20 Amps
Cable Entry	Bottom								4.0mm ²	25 Amps
Cable Exit	Bottom								6.0mm ²	32 Amps
Cable No. Type	n/a								10.0mm ²	40 Amps
Front Labels Type	Printed Thermal								16.0mm ²	63 Amps
Cable Type	H05/H07								25.0mm ²	80 Amps
Form of Separation	1								35.0mm ²	100 Amps
									50.0mm ²	125 Amps
									70.0mm ²	160 Amps
									95.0mm ²	200 Amps
									150.0mm ²	250 Amps

Project Description:
Lift Station

Customer:
Stingray Environmental

Project Name:
STE203

Revision:
C



2014/30/EU Electromagnetic Capability Directive
2014/35/EU Low Voltage Directive

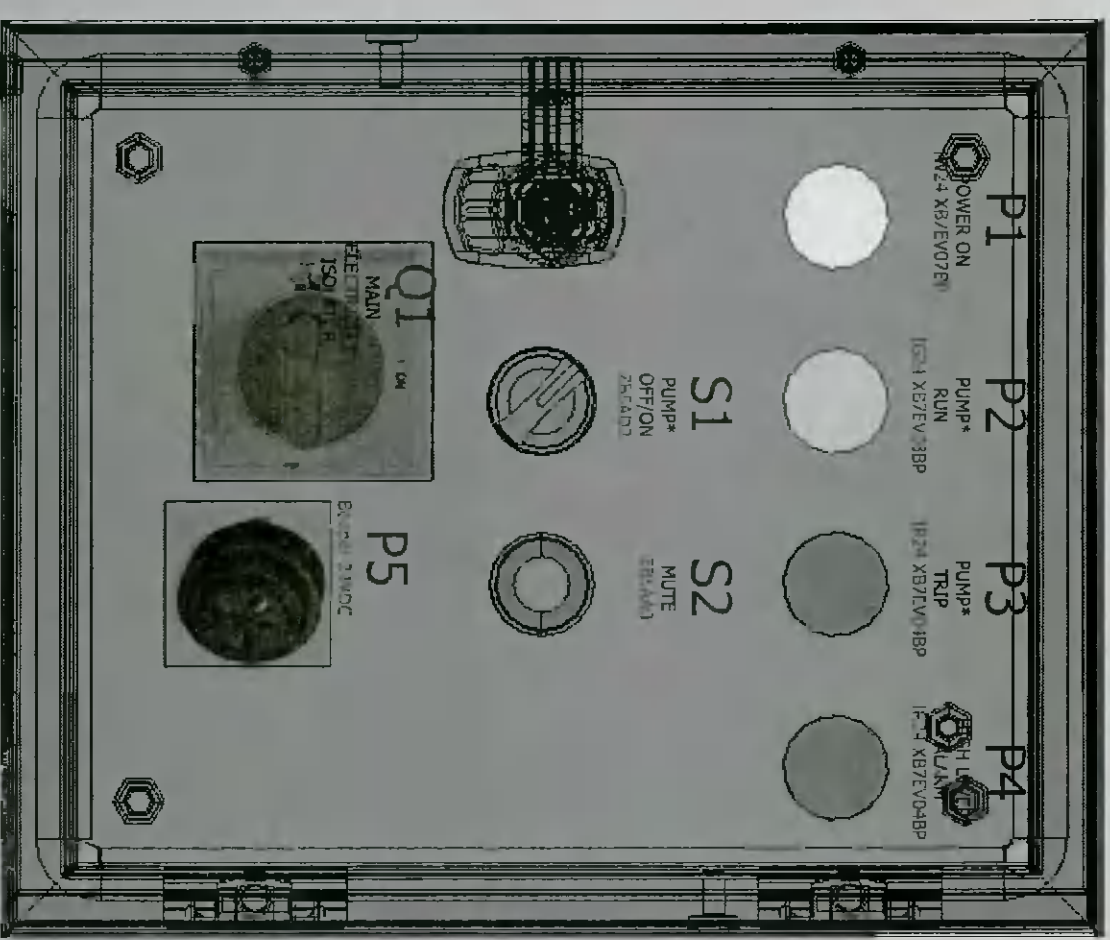
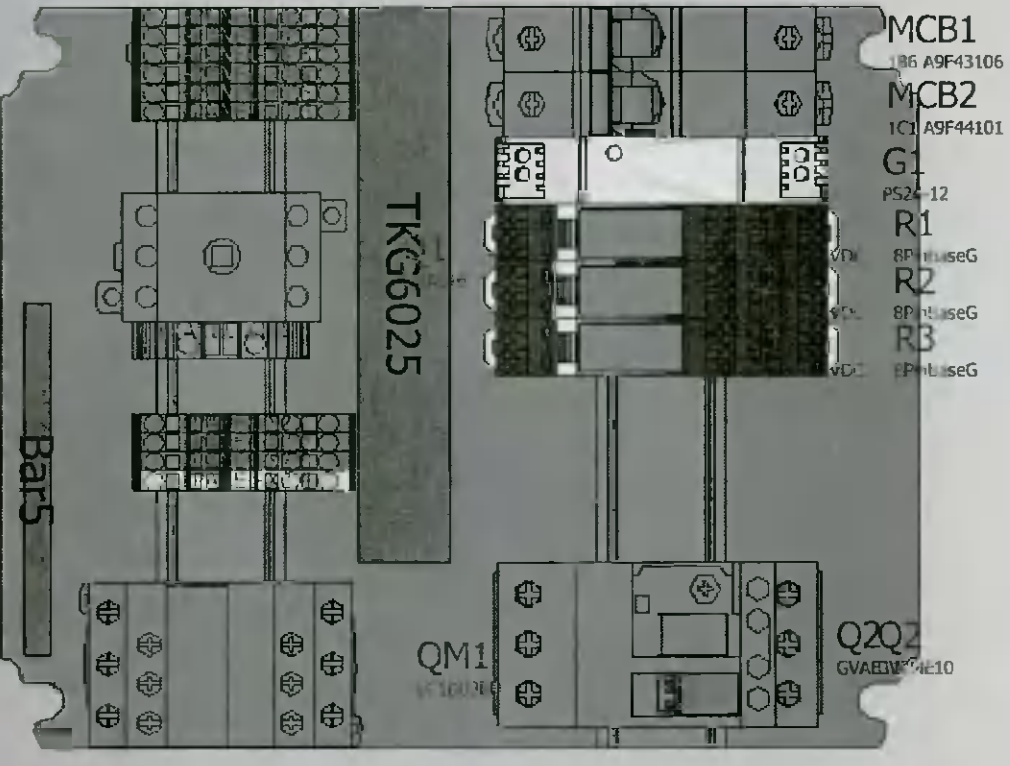
COLOUR CODE:	
L1	Brown
L2	Black
L3	Grey
N	Light Blue
Safety Circuit	Orange
110V L	Red
110V N	Yellow
5V +DC	
5V -DC	
12V +DC	
12V -DC	
24V +DC	Dark Blue
24V -DC	White
24V AC	Red
0V AC	White
48V +DC	
48V -DC	
Volt Free/Sensors	Purple
Analogue	Screen

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AD	SU	15/05/2019					REVISION	SHEET
AD	SU	14/05/2019					C	1-5
DRAWN	APPROVED	DATE						

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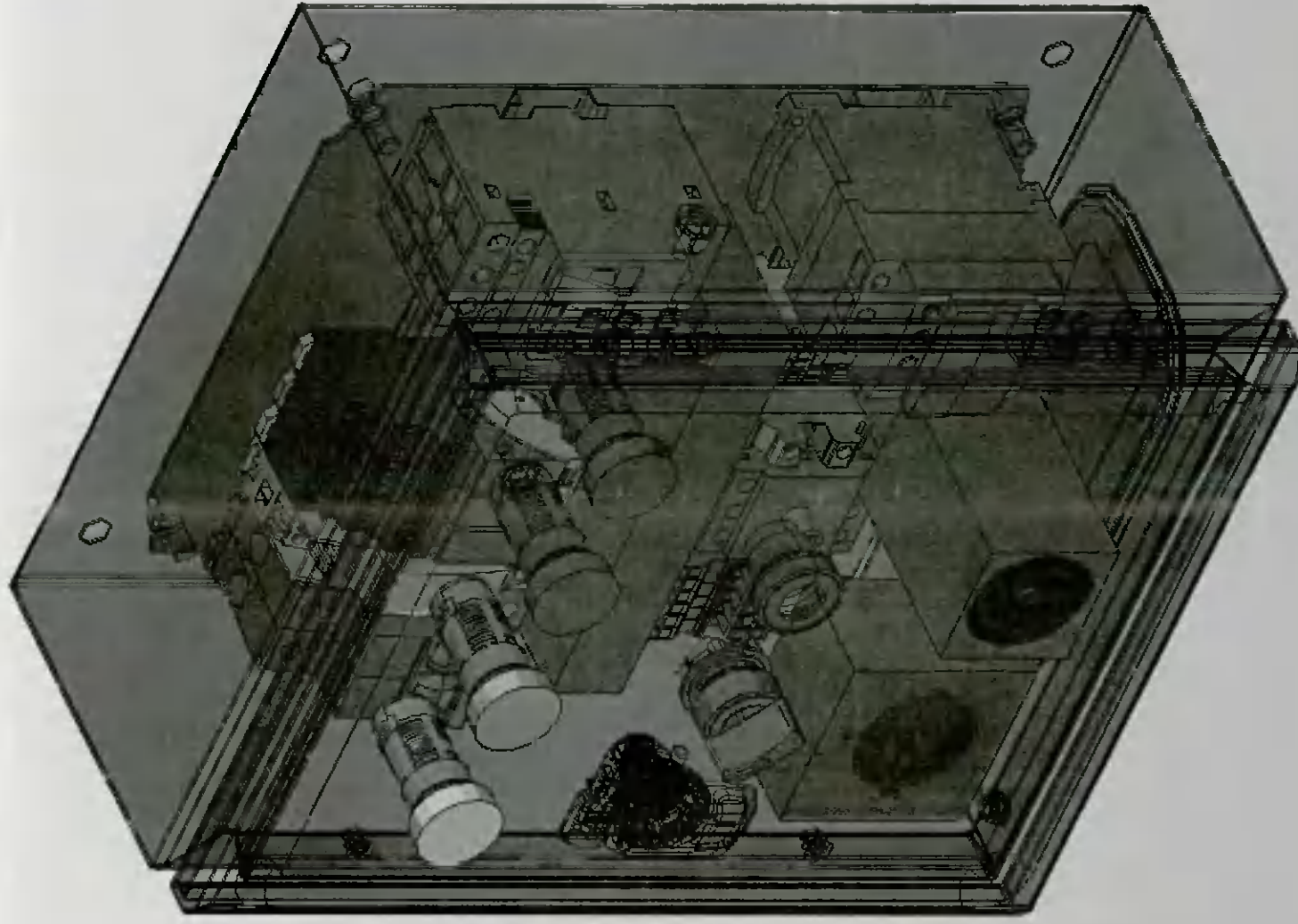
TOC_V2

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TITLE		EAA	1	Title page / cover sheet
		EAA	2	Table of contents : =TITLE&EAA/1 - +REPORTS&EPB/1
		EAA	3	Enclosure Layouts
		EAA	4	Enclosure Overview
		EAA	5	Enclosure Views
PANEL	PANEL		1	POWER
	PANEL		2	POWER
	PANEL		3	POWER
	REPORTS	EMA	1	Terminal diagram : +PANEL-X1
	REPORTS	EMA	2	Terminal diagram : +PANEL-X2
	REPORTS	EMA	3	Terminal diagram : +PANEL-X3
	REPORTS	EPB	1	Parts list : - PXC.3209549

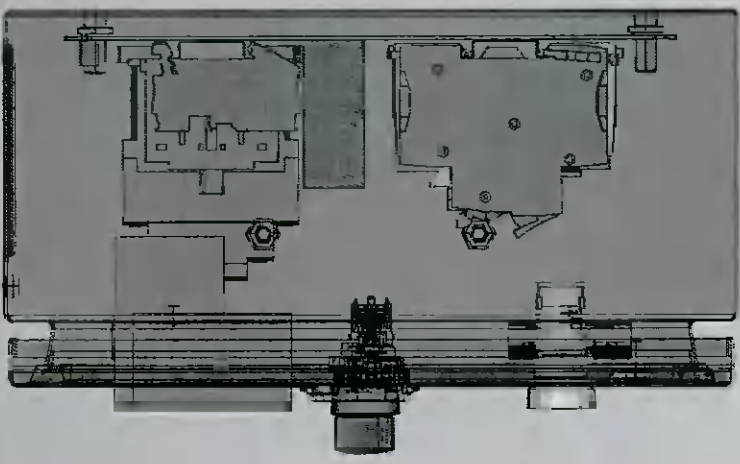


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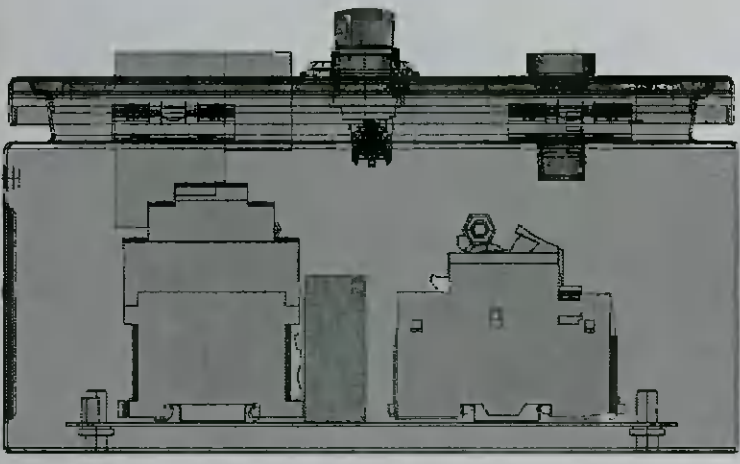
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AD	SU	15/05/2019	Lift Station	Stingray Environmental			REVISION
AD	SU	14/05/2019	APPROVED	DATE			C
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							3-5



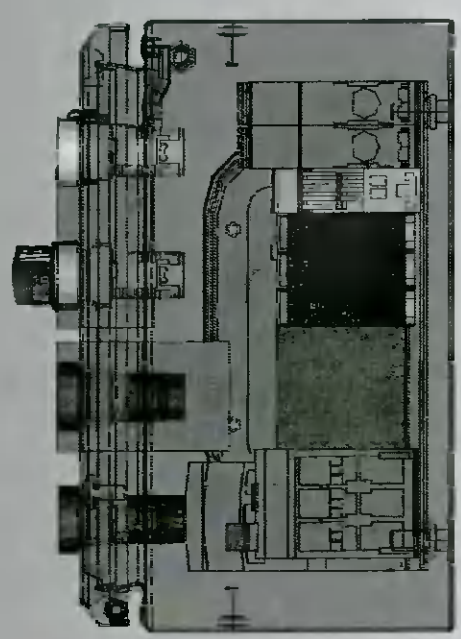
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AD	SU	14/05/2019	DATE				APPROVED							



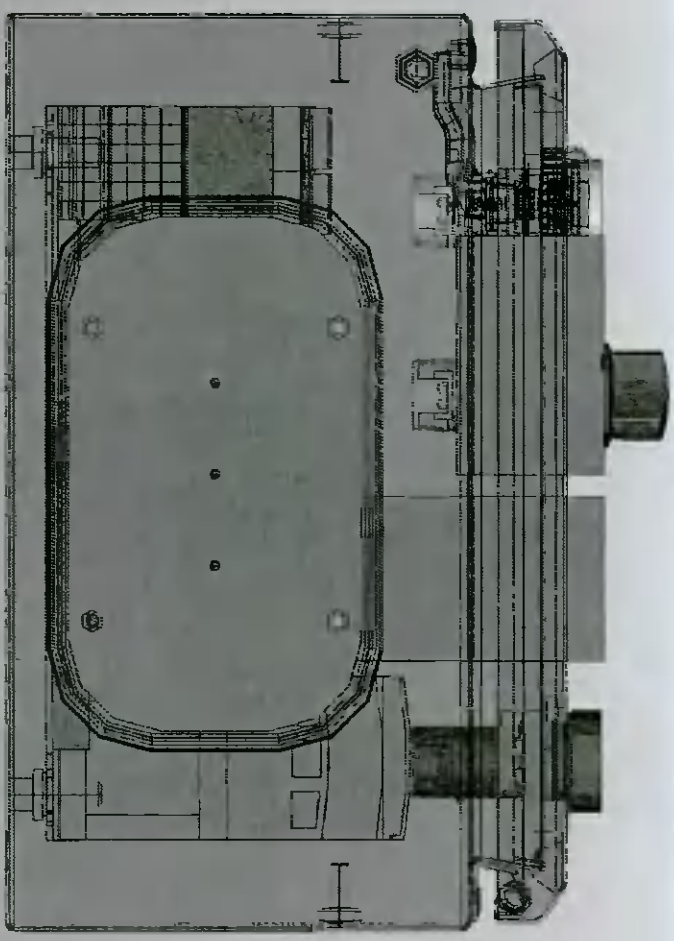
ENCLOSURE
LEFT VIEW



ENCLOSURE
RIGHT VIEW



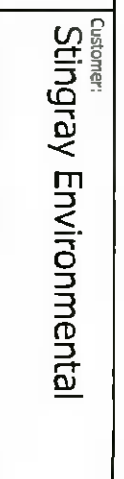
ENCLOSURE
TOP VIEW



ENCLOSURE
BOTTOM VIEW

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AD	SU	15/05/2019	
AD	SU	14/05/2019	
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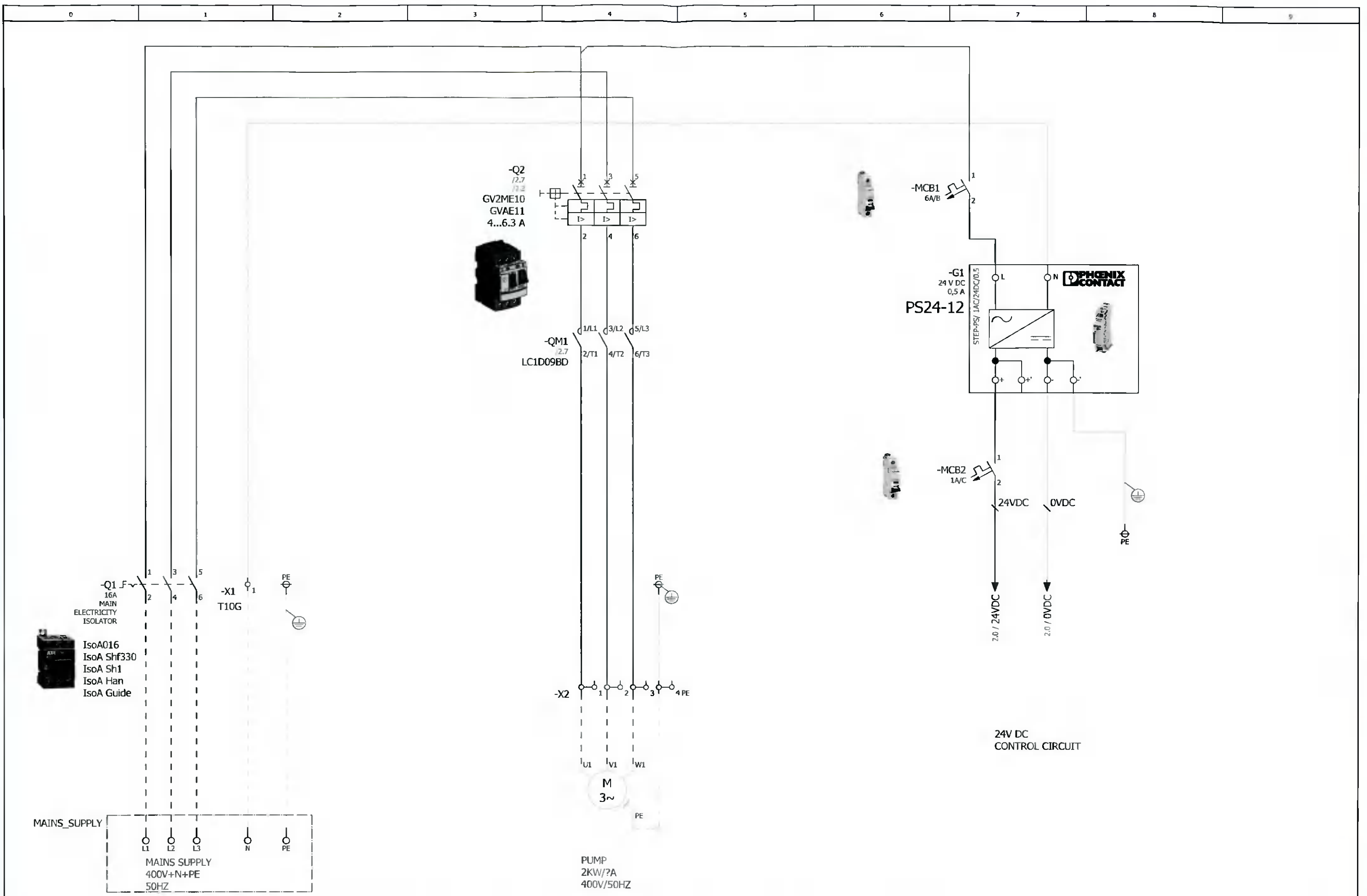
Customer:
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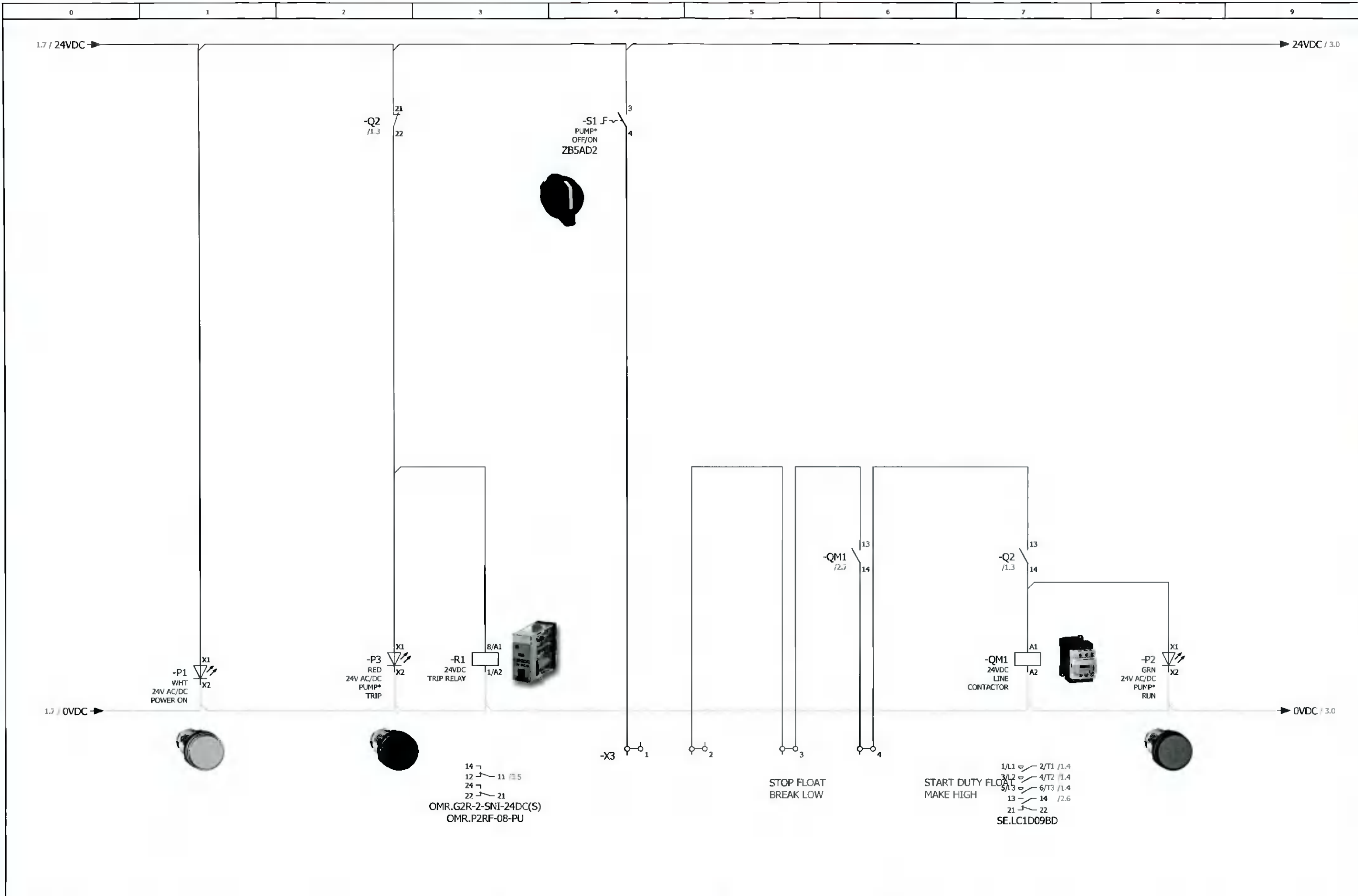
Project:
Lift Station I

Customer:
Stingray Environmental

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+ PANEL	=
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Project: Lift Station

Customer: Stingray Environmental

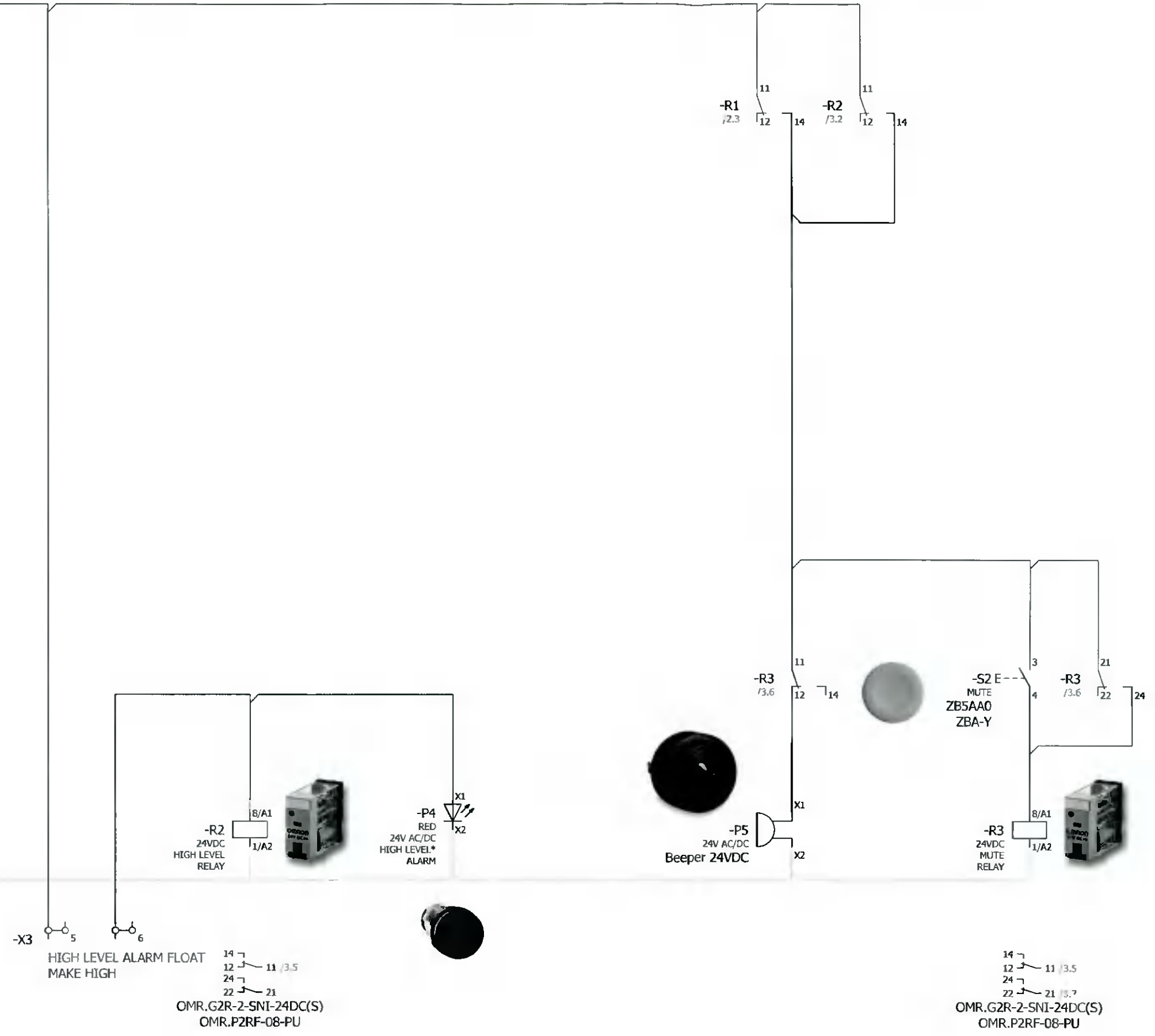
TE LTD
Tredwell Electrical Ltd.
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 Ballysimon Road, email: albert@tredwell.ie
 Limerick, Ireland website: www.tredwell.ie

PROJECT NAME: STE203

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2.9 / 24VDC

2.9 / 0VDC



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Project:
Lift Station

Customer:
Stingray Environmental

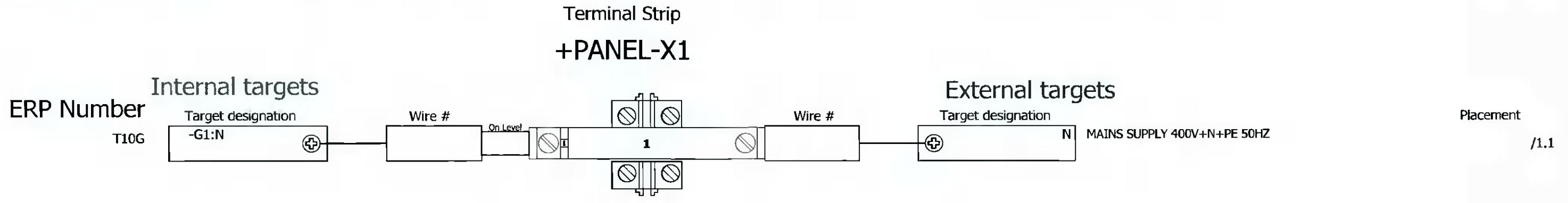
Tredwell Electrical Ltd.
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PROJECT NAME
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Terminal Diagram

Multilevel_Terminal_v1.0

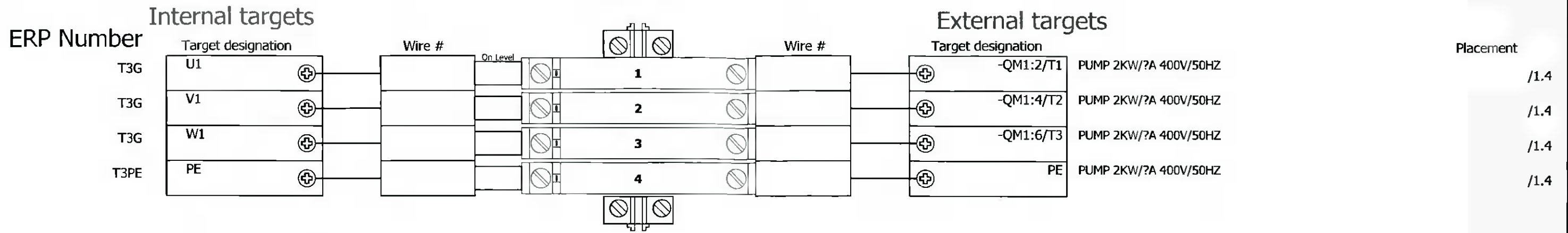


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AD	SU	15/05/2019				STE203	REVISION	SHEET
AD	SU	14/05/2019				C	1-3	
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Terminal Diagram

Multilevel_Terminal_v1.0

Terminal Strip +PANEL-X2



AD	SU	16/05/2019
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DRAWN	APPROVED	DATE

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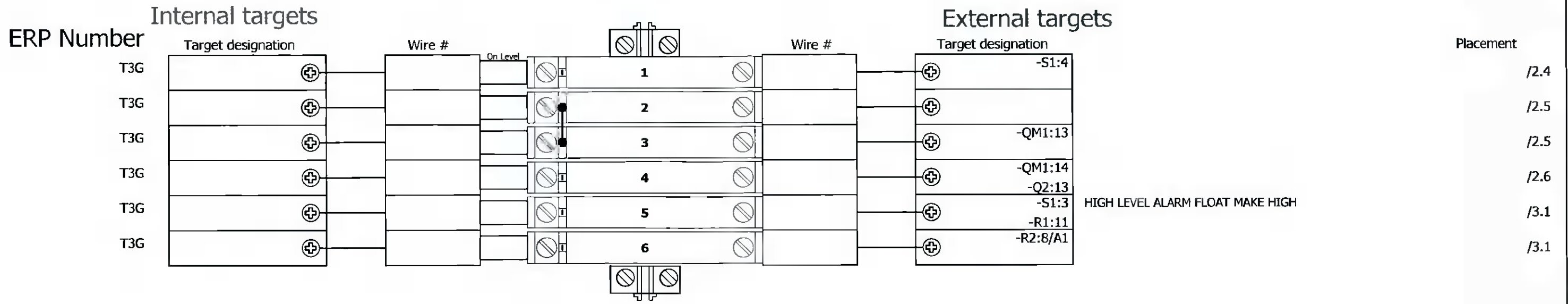
PROJECT NAME: **STE203**

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Terminal Diagram

Multilevel_Terminal_v1.0

Terminal Strip +PANEL-X3



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PROJECT NAME: **STE203**

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Parts list

PartsList_V01

Designation	Part number Tredwell ERP No.	Quantity	Device Designation	Schematic / position
		0	PE	+PANEL/1.2
Enclosure 300x250x150mm C/W BP	SE.NSYS3D32515P Enc302515	1	-U1	(PANEL.S1)
		0	-U1	(PANEL.S1)
Earth Bar 1mtr Pre slotted	DE.Bar5 Bar5	1	-U5	(PANEL.S1)
DIN rail perforated	PXC.1206421 Din-Rail	1	-U6	(PANEL.S1)
DIN rail perforated	PXC.1206421 Din-Rail	1	-U7	(PANEL.S1)
Trunking 60(H)x25mm 2m Lgth	DE.TKG6025 TKG6025	1	-U8	(PANEL.S1)
Power supply unit	PXC.2868596 PS24-12	1	+PANEL-G1	+PANEL/1.7
Miniature circuit breaker IC60N	SE.A9F43106 1B6 A9F43106	1	+PANEL-MCB1	+PANEL/1.7
Miniature circuit breaker IC60N	SE.A9F44101 1C1 A9F44101	1	+PANEL-MCB2	+PANEL/1.7
Monolithic pilot light Ø 22 - clear - integral LED - 24 V	SE.XB7EV07BP IW24 XB7EV07BP	1	+PANEL-P1	+PANEL/2.1
Monolithic pilot light Ø 22 - green - integral LED - 24 V	SE.XB7EV03BP IG24 XB7EV03BP	1	+PANEL-P2	+PANEL/2.8
Monolithic pilot light Ø 22 - red - integral LED - 24 V	SE.XB7EV04BP IR24 XB7EV04BP	1	+PANEL-P3	+PANEL/2.2
Monolithic pilot light Ø 22 - red - Integral LED - 24 V	SE.XB7EV04BP IR24 XB7EV04BP	1	+PANEL-P4	+PANEL/3.3
Beeper 24VAC/DC IP54	JAU.Beeper 24VDC Beeper 24VDC	1	+PANEL-P5	+PANEL/3.5
OT16F3 switch-disconnector	ABB.IsoA016 IsoA016	1	+PANEL-Q1	+PANEL/1.1
Shaft 330mm Max 63 Amp	ABB.IsoA Shf330 IsoA Shf330	1	+PANEL-Q1	+PANEL/1.1
Shroud 3P Max 40 Amp	ABB.IsoA Sh1 IsoA Sh1	1	+PANEL-Q1	+PANEL/1.1
Handle Red/Yellow Max 63A Defeatable	ABB.IsoA Han IsoA Han	1	+PANEL-Q1	+PANEL/1.1
Guide for shaft Max 63 Amp (OZG71)	ABB.IsoA Guide IsoA Guide	1	+PANEL-Q1	+PANEL/1.1
Thermal Magnetic Motor Circuit Breaker TeSys GV2ME - 3P -	SE.GV2ME10 GV2ME10	1	+PANEL-Q2	+PANEL/1.3
TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC	SE.GVAE11 GVAE11	1	+PANEL-Q2	+PANEL/1.3
Contactor TeSys LC1-D - 3P - AC-3 440V 9 A, Coil 24 V DC	SE.LC1D09BD LC1D09BD	1	+PANEL-QM1	+PANEL/2.7
Electromechanical relays, Industrial plug-in relays, G2R-_-S	OMR.G2R-2-SNI-24DC(S) G2R2SNI24VDC	1	+PANEL-R1	+PANEL/2.3
Electromechanical relays, Industrial plug-in relays, G2R-_-S	OMR.P2RF-08-PU 8PinbaseG	1	+PANEL-R1	+PANEL/2.3
Electromechanical relays, Industrial plug-in relays, G2R-_-S	OMR.G2R-2-SNI-24DC(S) G2R2SNI24VDC	1	+PANEL-R2	+PANEL/3.2
Electromechanical relays, Industrial plug-in relays, G2R-_-S	OMR.P2RF-08-PU 8PinbaseG	1	+PANEL-R2	+PANEL/3.2
Electromechanical relays, Industrial plug-in relays, G2R-_-S	OMR.G2R-2-SNI-24DC(S) G2R2SNI24VDC	1	+PANEL-R3	+PANEL/3.6
Electromechanical relays, Industrial plug-in relays, G2R-_-S	OMR.P2RF-08-PU 8PinbaseG	1	+PANEL-R3	+PANEL/3.6
black selector switch head Ø22 2-position stay put	SE.ZB5AD2 ZB5AD2	1	+PANEL-S1	+PANEL/2.4
single contact block with body/fixing collar 1NO screw clamp termi	SE.ZB5AZ101 ZB5AZ101	1	+PANEL-S1	+PANEL/2.4
Pushbutton head Ø22 spring return without cap	SE.ZB5AA0 ZB5AA0	1	+PANEL-S2	+PANEL/3.6
single contact block with body/fixing collar 1NO screw clamp termi	SE.ZB5AZ101 ZB5AZ101	1	+PANEL-S2	+PANEL/3.6
Cap Flush Push Button Yellow	SE.ZBA-Y ZBA-Y	1	+PANEL-S2	+PANEL/3.6
Feed-through terminal block	PXC.3044160 T10G	1	+PANEL-X1	+PANEL/1.1
Feed-through terminal block	PXC.3209549 T3G	3	+PANEL-X2	+PANEL/1.4
Ground modular terminal block	PXC.3209565 T3PE	1	+PANEL-X2	+PANEL/1.4
Feed-through terminal block	PXC.3209549 T3G	6	+PANEL-X3	+PANEL/2.4...+PANEL/2.6;+PANEL/3.1

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