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1	2	3	4	5	6	7	8	9
A	<h1>CUSTOMER SAMPLE PROJECT</h1>							
B								
C								
D								
E								
F								

05	----	----	----
04	----	----	----
03	----	----	----
02	----	----	----
01	----	----	----
00	----	----	----
REVISION	DESCRIPTION	DRAWN BY	DATE
APPROVAL	NAME: _____ -----	SIGN: _____ -----	DATE: _____ ____/____/____

LUMITECH



UNIT 34, POTTERY BUSINESS CENTER, POTTERY ROAD, DUN LAOGHAIRE - DUBLIN / IE  
LAND LINE: 00 353 1 282 0303 SALES@LUMITECH.IE

ENGINEER ENPOWERED

LAURENCE CONNOLLY  
DIRECTOR

X

TENDER

---

APPROVAL

---

CONSTRUCTION

PROJECT NUMBER: 0000000

SCALE: N/A

DATE: 00.00.0000

REV.: 00

Drawn By: MINCHEL MESQUITA

CUSTOMER:

PROJECT:

DRAWING NAME:

ELECTRICAL CONTRACTOR  
SAMPLE PROJECT  
LCP - 2020

PAGE: 01/24

OF:

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	1	2	3	4	5	6	7	8	9
	CONTENTS								
A	PAGE	DESCRIPTION OF THE PAGE	PAGE	DESCRIPTION OF THE PAGE	PAGE	DESCRIPTION OF THE PAGE	PAGE	DESCRIPTION OF THE PAGE	
	01	COVER							
	02	CONTENTS							
	03	TECHNICAL DATA							
B	04	ENCLOSURE LAYOUT							
	05	ENCLOSURE LAYOUT							
	06	SCHEMATIC COMMAND							
	07	SCHEMATIC COMMAND							
	08	SCHEMATIC COMMAND							
	09	SCHEMATIC COMMAND							
	10	SCHEMATIC COMMAND							
	11	SCHEMATIC COMMAND							
	12	SCHEMATIC COMMAND							
	13	SCHEMATIC COMMAND							
	14	SCHEMATIC COMMAND							
	15	SCHEMATIC COMMAND							
C	16	SCHEMATIC COMMAND							
	17	DIN RAIL TERMINALS							
	18	DIN RAIL TERMINALS							
	19	LABEL DETAILS							
	20	LABEL DETAILS							
	21	LABELS LIST							
	22	BOM TABLE							
	23	BOM TABLE							
	24	WIRING DIAGRAM ONE LINE							
D									
E									
F									

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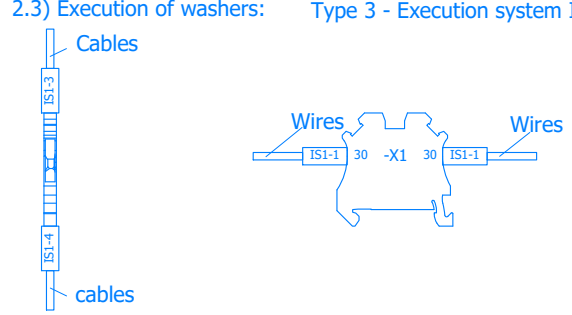





PROJECT NUMBER: 0000000 SCALE: N/A DATE: 00.00.0000 REV.: 00 Drawn By: MINCHEL MESQUITA

CUSTOMER:  
PROJECT: ELECTRICAL CONTRACTOR  
DRAWING NAME: SAMPLE PROJECT  
LCP - 2020

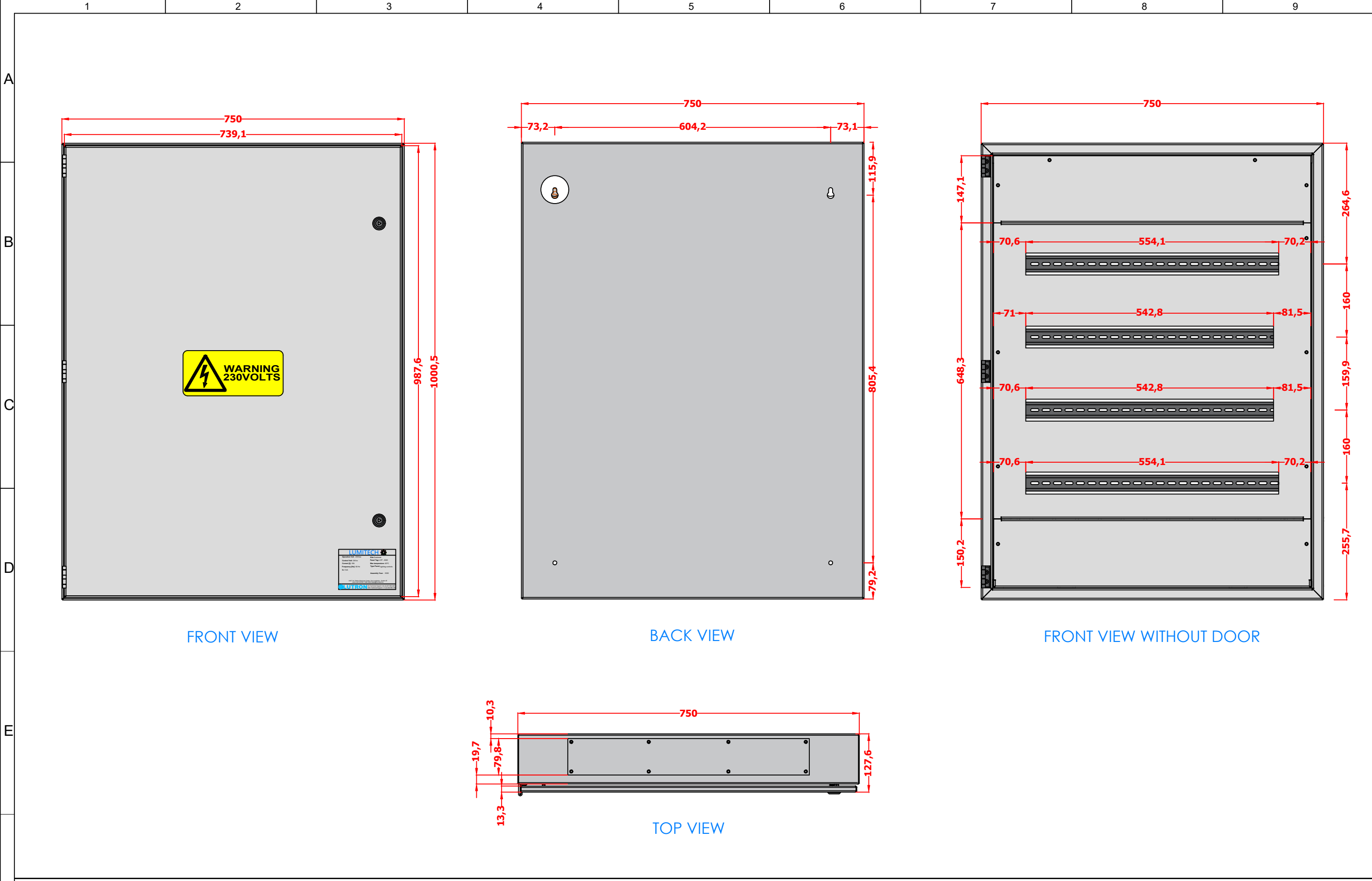
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	1	2	3	4	5	6	7	8	9
A	1 - TECHNICAL DATA - GENERAL				2 - TECHNICAL DATA - ELECTRIC				
	1.1 MECHANICAL				2.1 CABLES CODE TYPES				
	Height [mm]		1000		Cable "P" = FLEXIBLE CABLE HALOGEN FREE, 70°C, LOW VOLTAGE 450/750V, EN 60332 / EN 60754 / EN 50399				
	Width [mm]		750		Cable "C" = FLEXIBLE CABLE HALOGEN FREE, 70°C, LOW VOLTAGE 450/750V, EN 60332 / EN 60754 / EN 50399				
	Depth [mm]		127.6		Cable "DC" = FLEXIBLE CABLE HALOGEN FREE, 70°C, LOW VOLTAGE 450/750V, EN 60332 / EN 60754 / EN 50399				
	Estimated weight [kg]		40		Cable "LB" = LUTRON GRX-PCBL-346S				
	Protection rating		IP41		Cable "LB" = LUTRON GRX-PCBL-346S				
	Partition Form		1						
	External Color		RAL 7035						
	Ambient temperature range [°C]		0 °C to 40 °C						
B	Arc resistance level		1		2.2 CABLES TYPES				
	Ventilation opening		No		CIRCUITS	COMPARTMENTS			
	Back plate		Yes			MINIATURE	NORMAL / STEADY	CABLE TYPE	COLORS
	Type of door closure		Door Compression Latch Key		Incoming 230Vac	# 2,5mm²	# 4,0mm²	"P"	Brown Phase / Blue to N
	Access type		Front		Control 230Vac	# 1,0mm²	# 1,5mm²	"C"	Brown Phase / Blue to N
	Cable Entry		Top		Control 24Vcc	# 1,0mm²	# 1,5mm²	"CD"	Red + / Black to -
	Type of packaging		Land transport, pallet		+ Dali Bus	# 1,0mm²	# 1,5mm²	"D"	Purple +
	Lifting support		Yes		- Dali Bus	# 1,0mm²	# 1,5mm²	"D"	White -
					Lutron Bus control - Common	# 0,75mm²	# 0,75mm²	"LB"	Black
					Lutron Bus control - Power	# 0,75mm²	# 0,75mm²	"LB"	Red
C	1.2 - ELECTRICAL				Lutron Bus control - Mux Data +	# 0,25mm²	# 0,25mm²	"LB"	Purple
	Rated voltage [V]		230V		Lutron Bus control - Mux Data -	# 0,25mm²	# 0,25mm²	"LB"	White
	Frequency [Hz]		50		Lutron Bus control - Drain	# 0,2mm²	# 0,2mm²	"LB"	Metal
	Rated current maxim Ie [A]		16A						
	Short-lasting rated bearable current Icw t. [kA, 1s]		5kA						
	Control voltage		24Vcc INTERN		Auxiliary Services (Outlets)	-	# 1,5mm²	"P"	Line - Brown / Neutral - Blue
	Voltage auxiliary services		230Vac INTERN						
D	1.3 WIRE COLORS				2.3) Execution of washers: Type 3 - Execution system III - Identification of cables with the code of the device/post+terminal number (Lumitech Standard)				
	Live		Brown						
	Switch Live		Black			2.4) Notes for from-to:			
	Neutral		Blue		2.5) Notes for electrical assembly:				
	Earth		Green/Yellow		- All metal structures must be interconnected with the ground cable section 2.5mm.				
	+ Dali Bus		Purple		-				
	- Dali Bus		White		Observation:				
	+ Signal DC		Red		Segregation of Low voltage and extra-low voltage - LV through left trunking; ELV through right trunking				
	- Signal DC		Black						
	Lutron Cable		Blue						
E									
F									
	UNIT 34, POTTERY BUSINESS CENTER, POTTERY ROAD, DUN LAOGHAIRE - DUBLIN / IE				ENGINEER ENPOWERED				
	LAND LINE: 00 353 1 282 0303 SALES@LUMITECH.IE				LAURENCE CONNOLLY				
					DIRECTOR				
					 TENDER				
					 APPROVAL				
					 CONSTRUCTION				
					PROJECT NUMBER: 0000000				
					SCALE: N/A				
					DATE: 00.00.0000				
				REV.: 00					
				Drawn By: MINCHEL MESQUITA					
				CUSTOMER: ELECTRICAL CONTRACTOR					
				PROJECT: SAMPLE PROJECT					
				DRAWING NAME: LCP - 2020					
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				04/24					

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FRONT VIEW

BACK VIEW

FRONT VIEW WITHOUT DOOR

TOP VIEW

**LUMITECH**



UNIT 34, POTTERY BUSINESS CENTER, POTTERY ROAD, DUN LAOGHAIRE - DUBLIN / IE  
LAND LINE: 00 353 1 282 0303 SALES@LUMITECH.IE

ENGINEER ENPOWERED  
**LAURENCE CONNOLLY**  
DIRECTOR

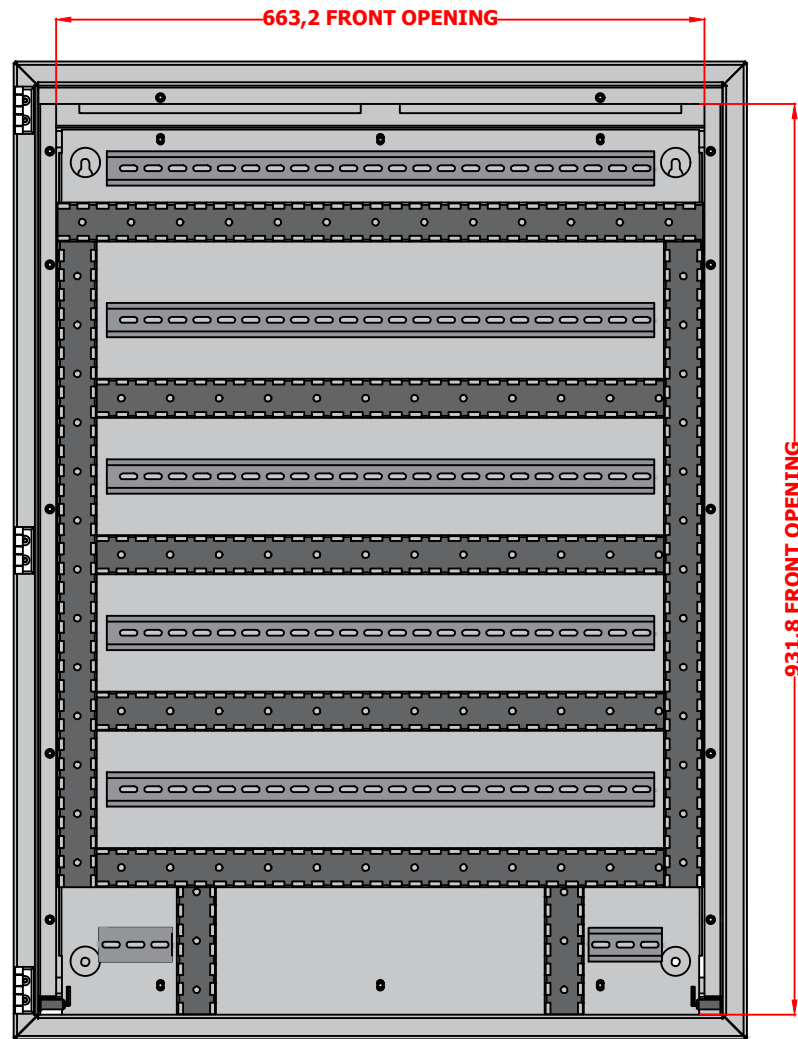
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- ☐ APPROVAL
- ☐ CONSTRUCTION

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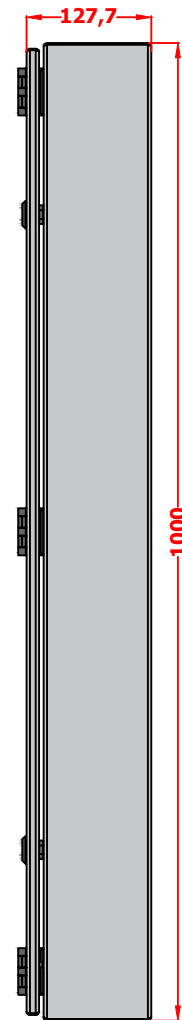
CUSTOMER: ELECTRICAL CONTRACTOR  
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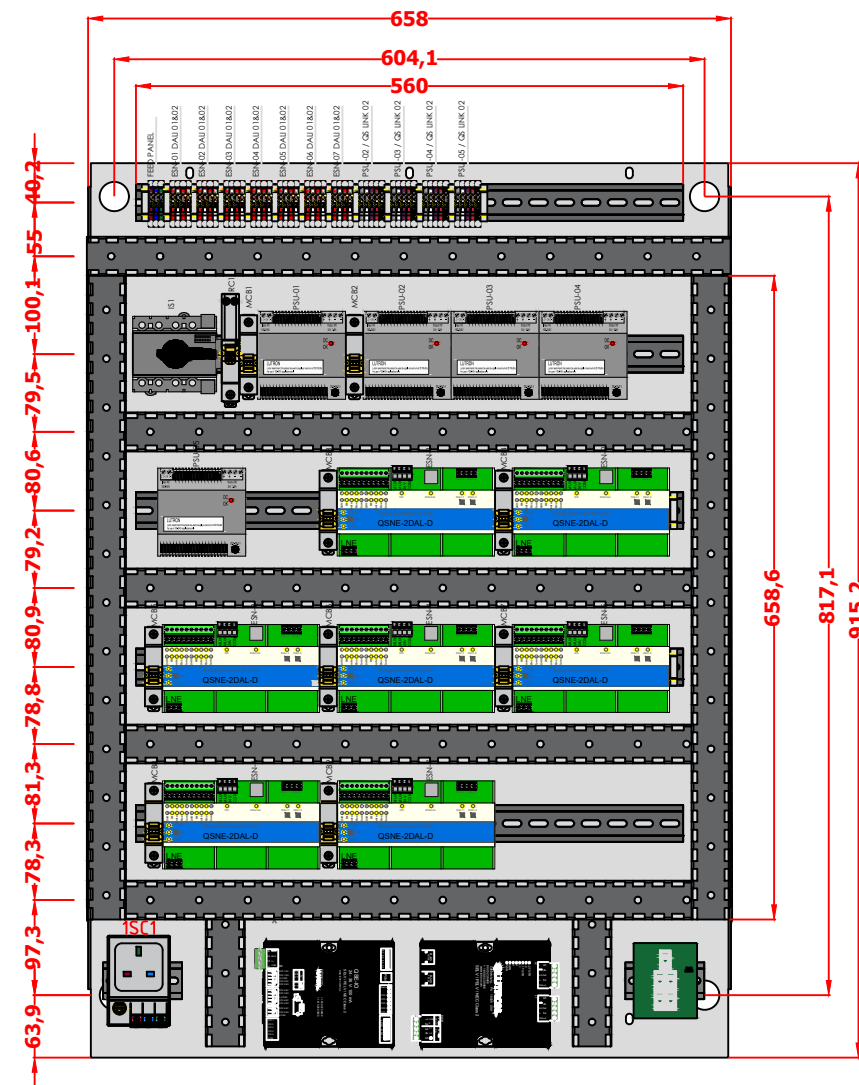
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FRONT VIEW WITHOUT DOOR



SIDE VIEW



BASE PLATE LAYOUT



BASE PLATE SIDE VIEW

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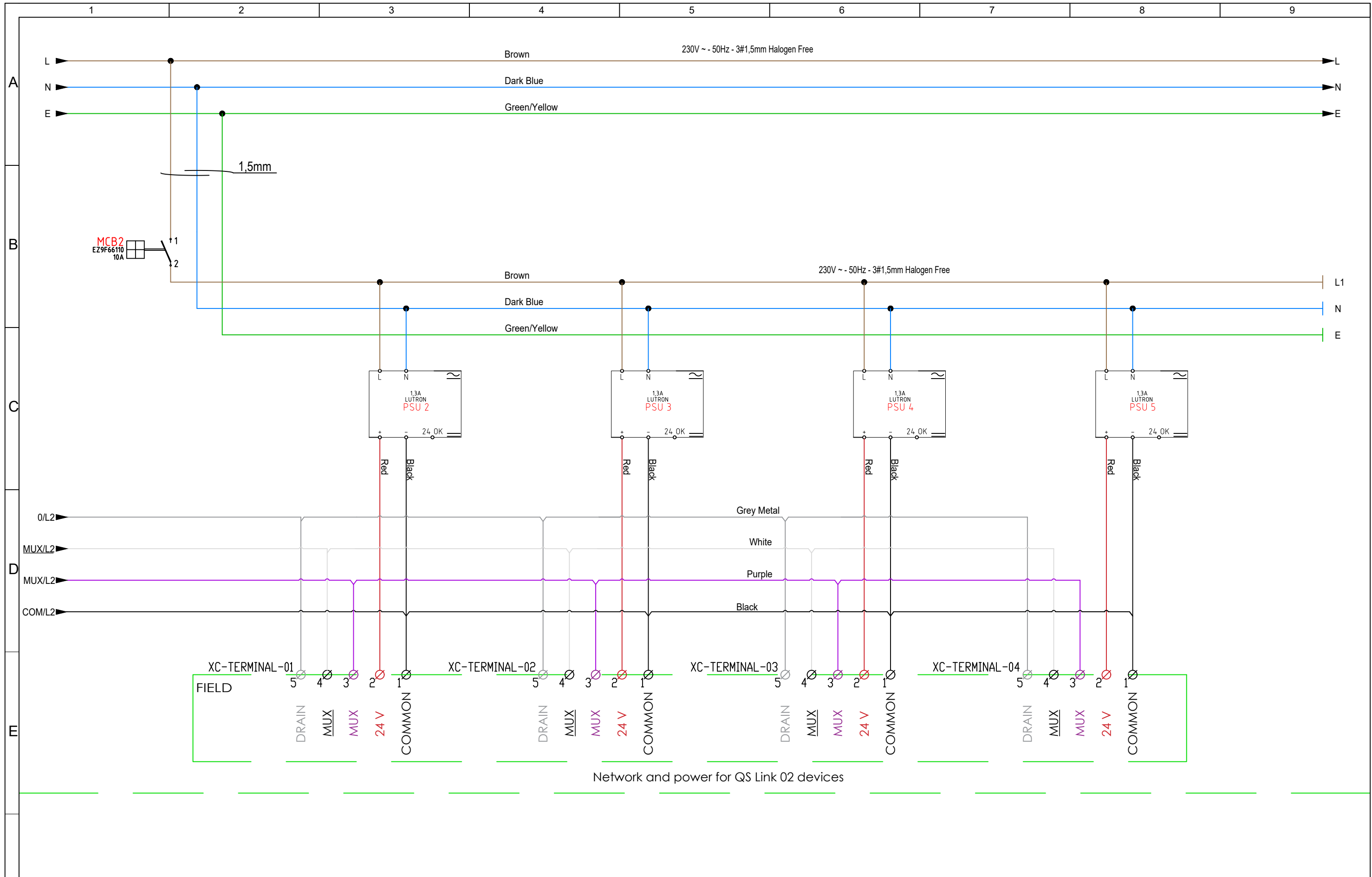
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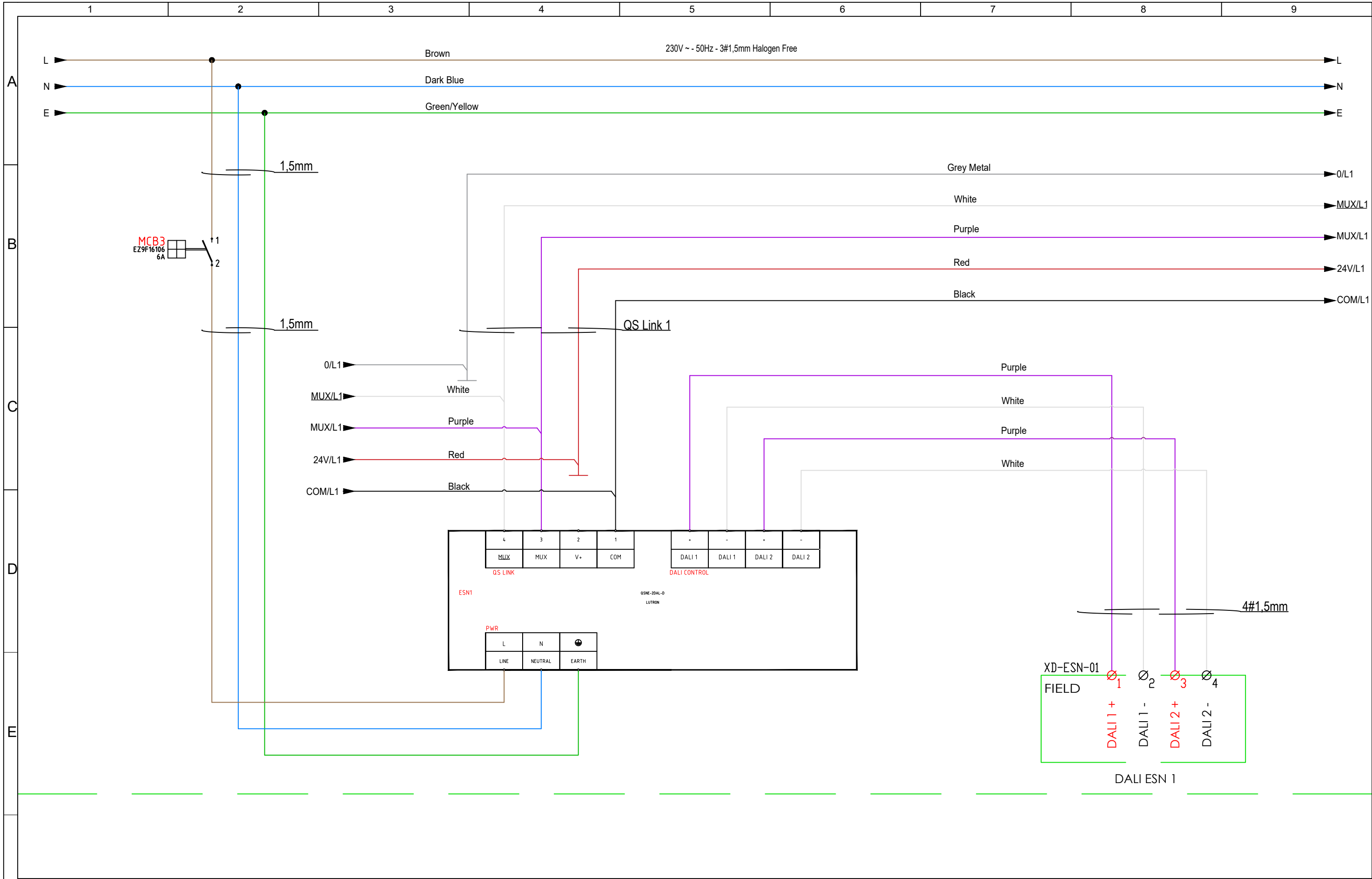
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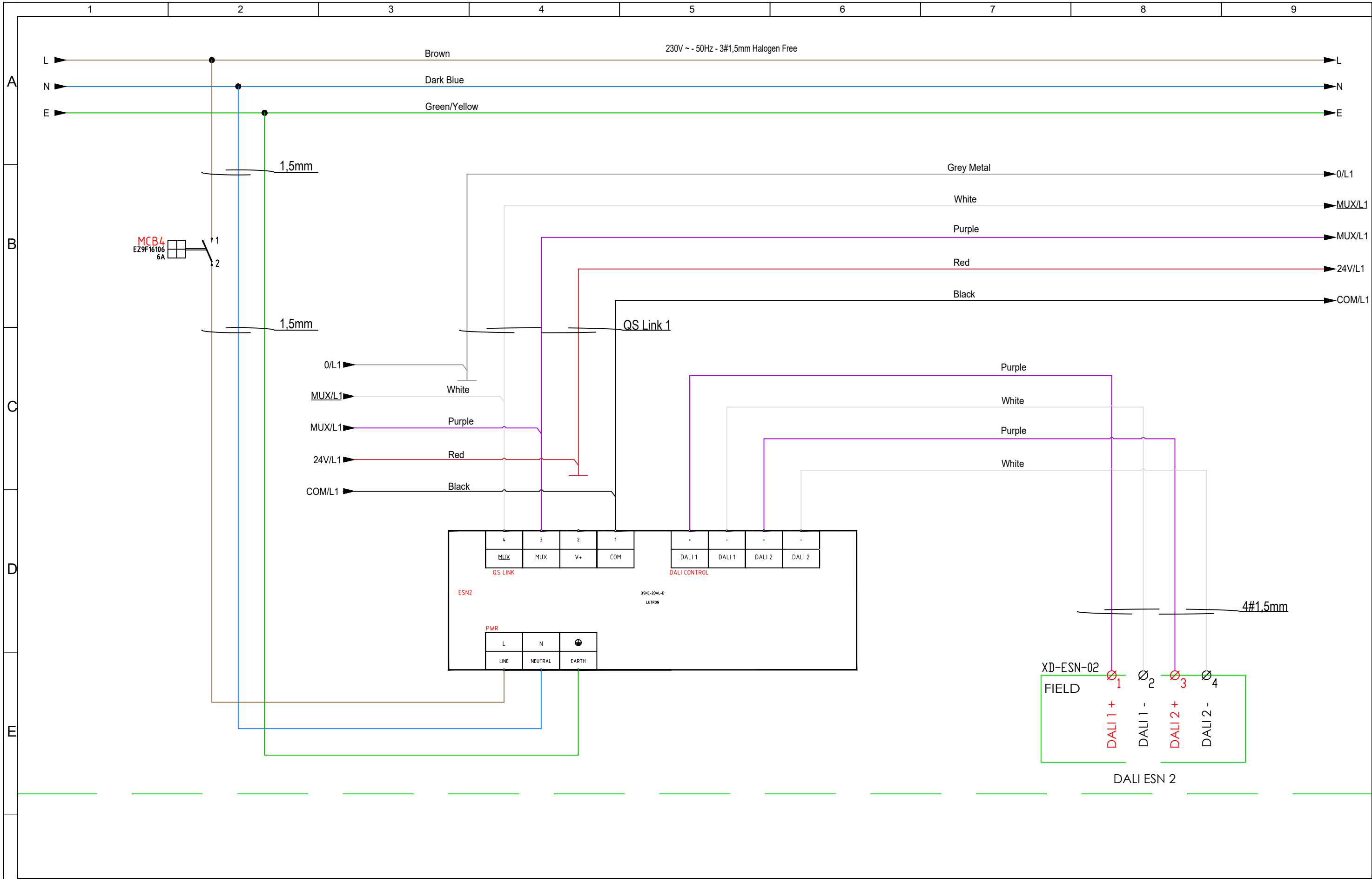
CUSTOMER: PROJECT: DRAWING NAME:

ELECTRICAL CONTRACTOR  
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LCP - 2020

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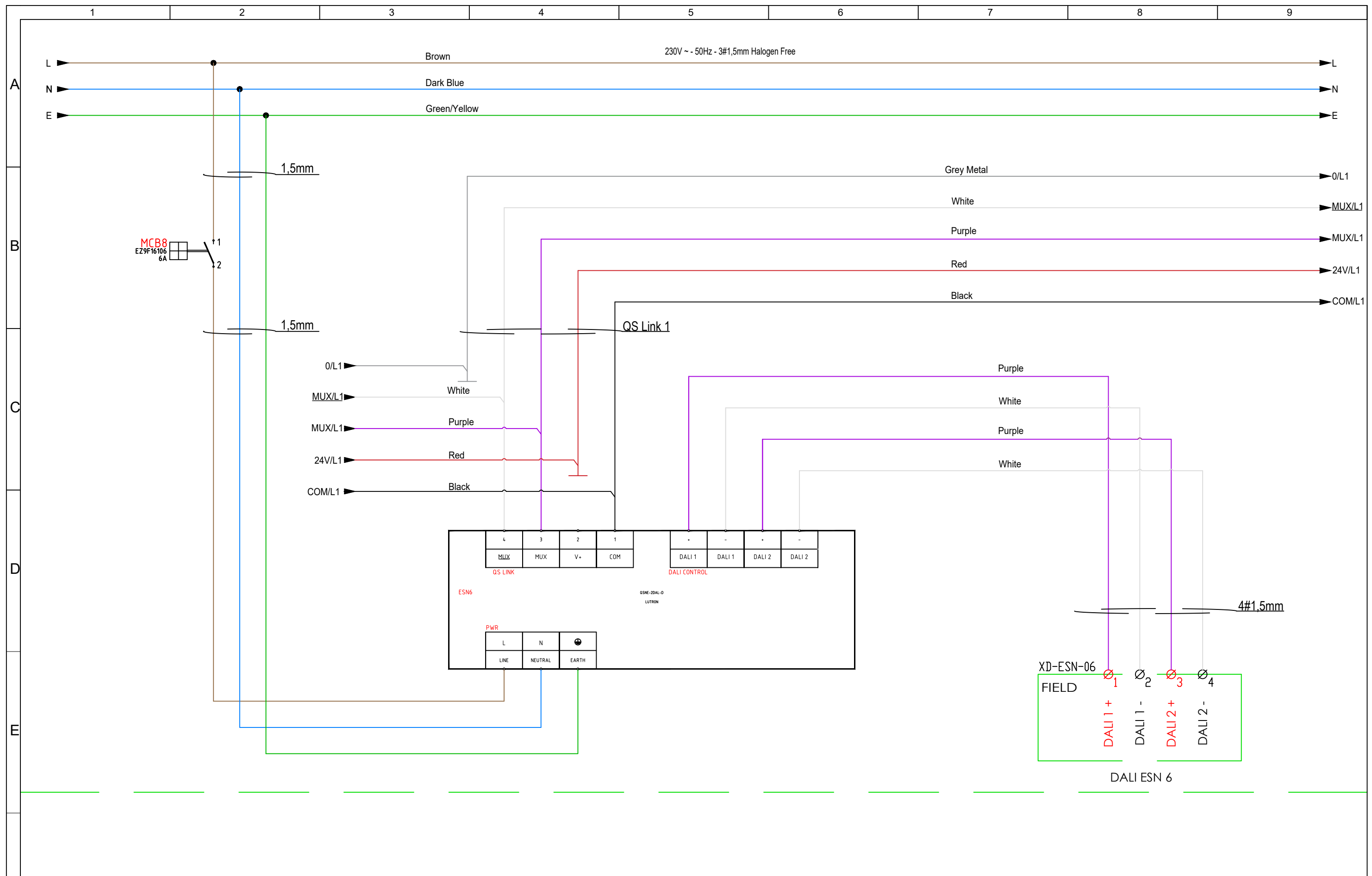
**ELECTRICAL CONTRACTOR**  
**SAMPLE PROJECT**  
**LCP - 2020**

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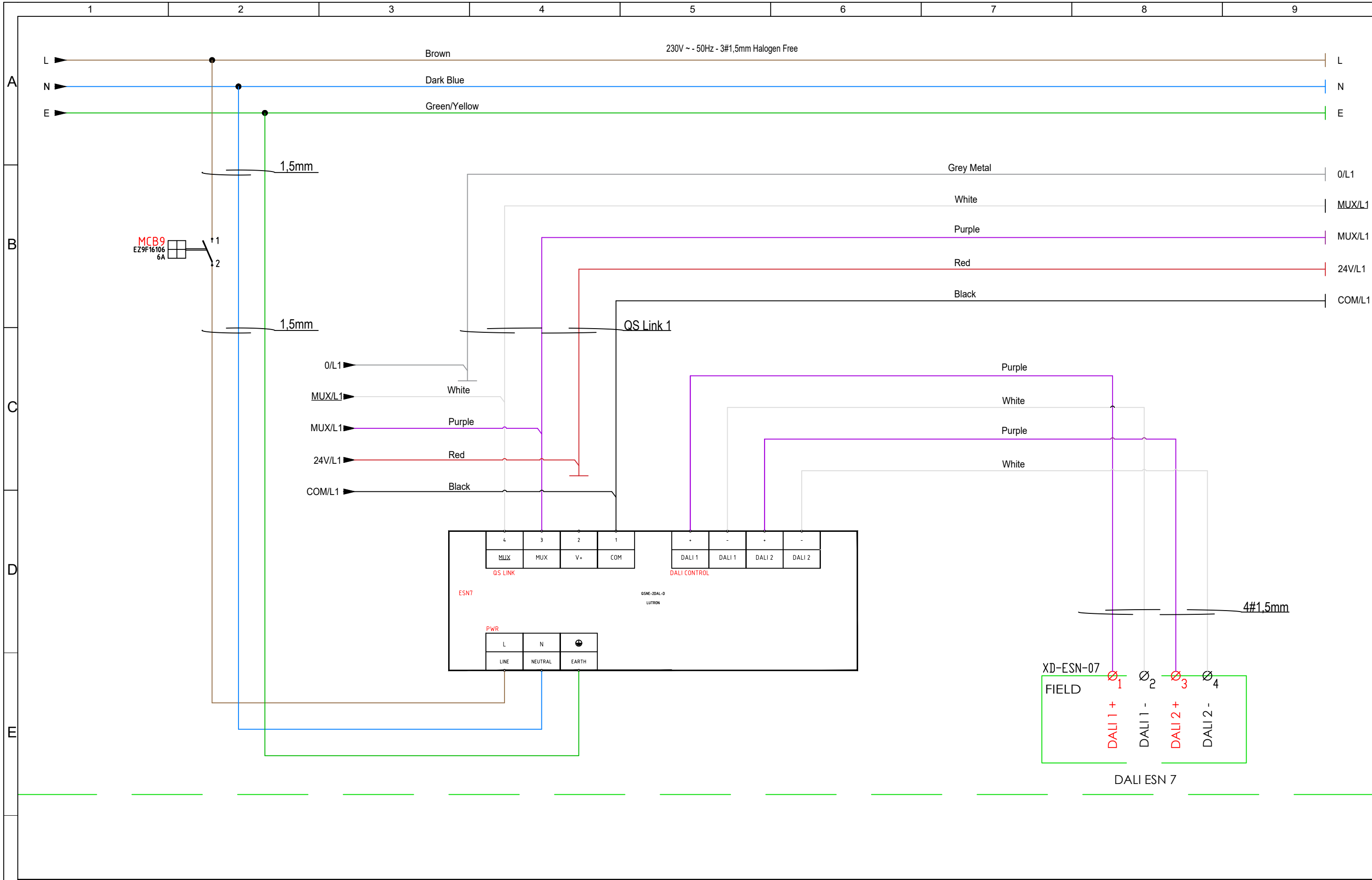








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CUSTOMER: ELECTRICAL CONTRACTOR  
PROJECT: SAMPLE PROJECT  
DRAWING NAME: LCP - 2020

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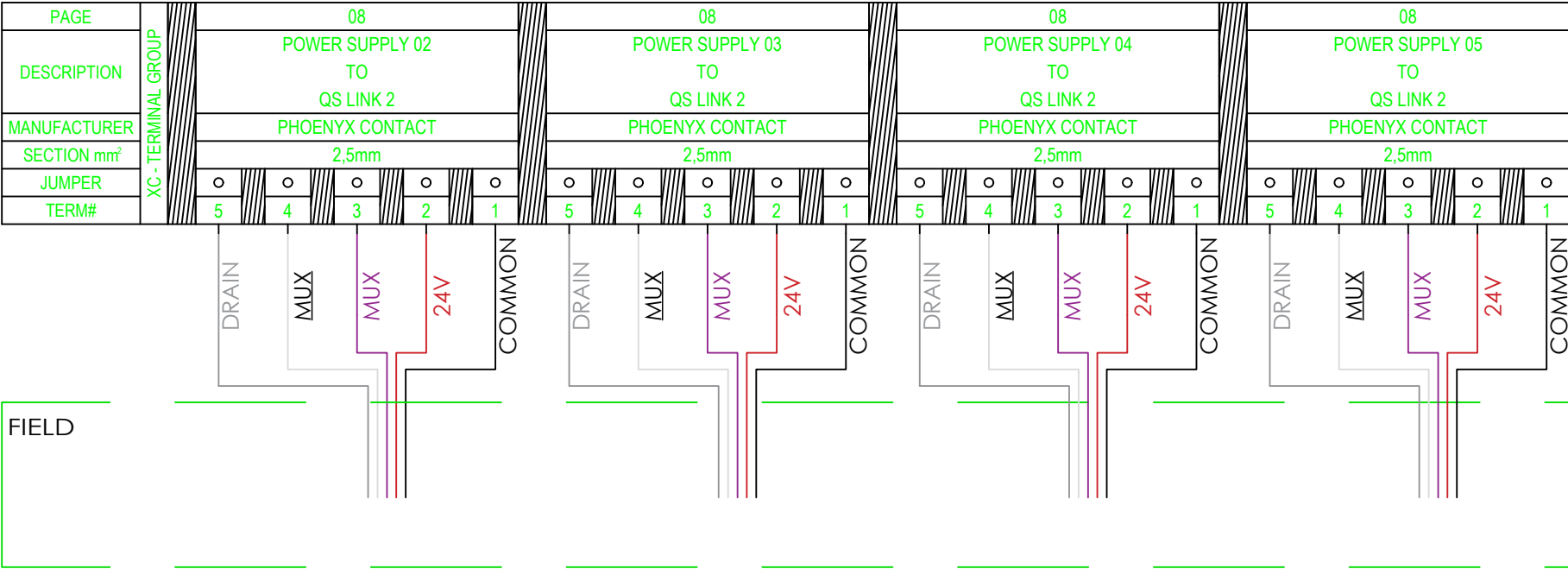
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XP FEED - PANEL SUPPLY

PAGE	07		
DESCRIPTION	INCOMING DISTRIBUTION BOARD		
MANUFACTURER	PHOENIX CONTACT		
SECTION mm²	2,5mm		
JUMPER	○	○	○
TERM#	1	2	3

SUPPLY FROM LOCAL DISTRIBUTION BOARD

XC TERMINALS - QS POWER SOURCE



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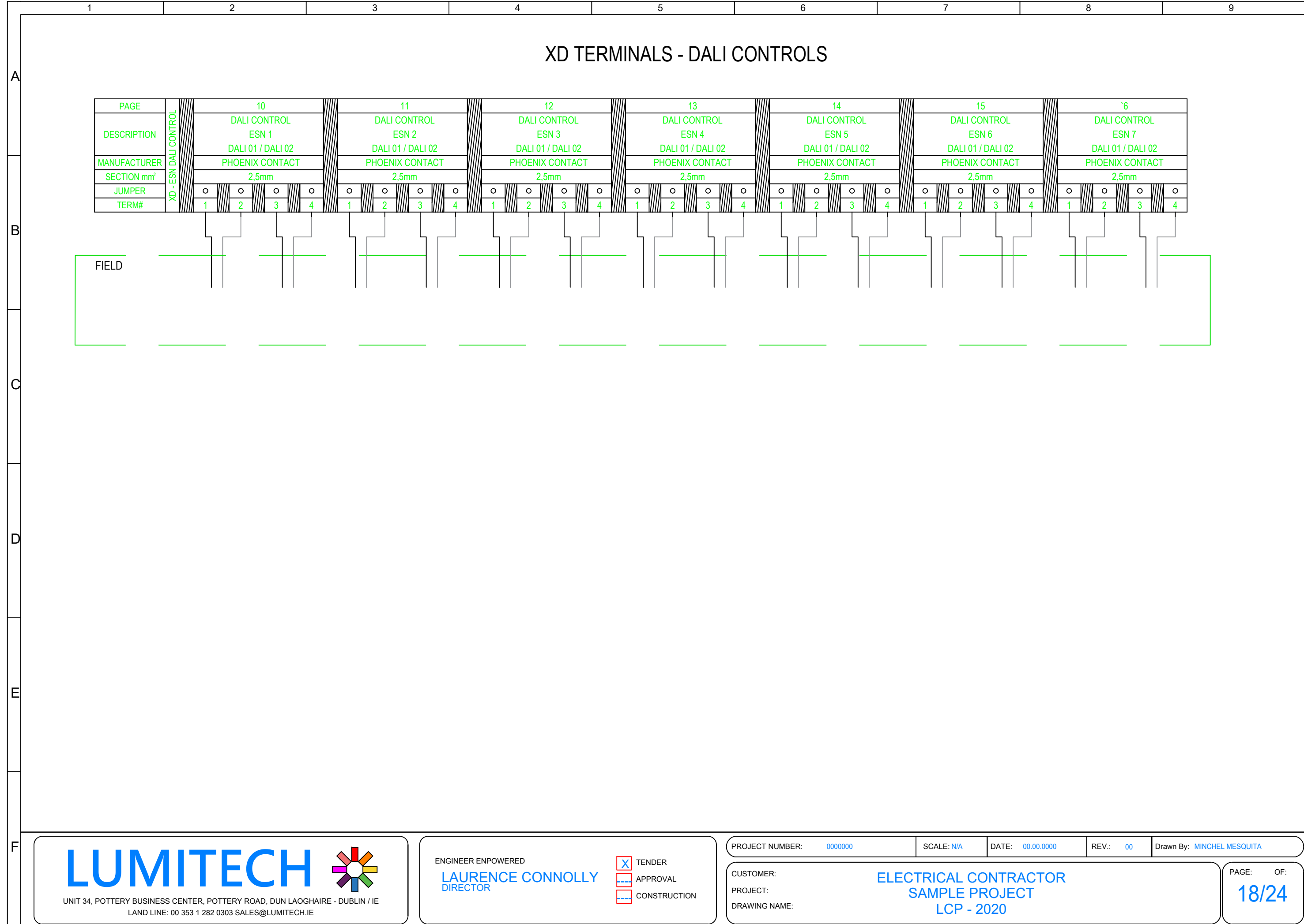
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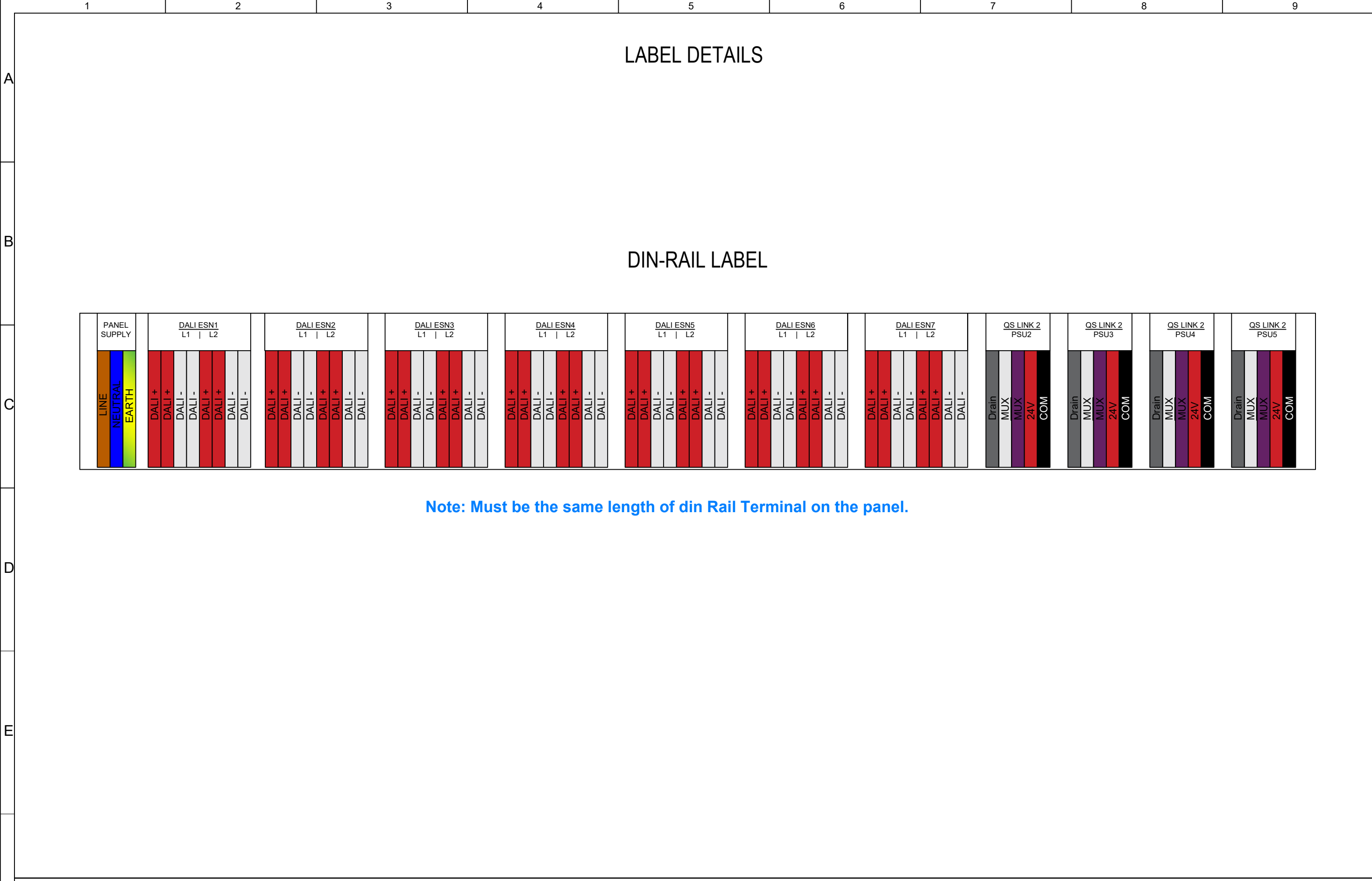
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1	2	3	4	5	6	7	8	9		
A	LABEL DETAILS									
B	<div><div>125</div><div>96</div><div><div>LUMITECH</div><div><div>Operation Volt : 230Vac</div><div>Control Volt: 24Vcc</div><div>Current [I]: 16A</div><div>Frequency [Hz]: 50 Hz</div><div>Ik: 5 kA</div></div><div><div>Site:Customer</div><div>Panel Tag: LCP - 2020</div><div>Max temperature: 40°C</div><div>Type Panel:Lighting controls</div><div>Assembly Year: 2020</div></div><div>UNIT 34, Pottery Business Center, Dun Laoghaire - Dublin /IE Land Line: 00 353 1 282 0303 Sales@Lumitech.ie</div><div><div>LUTRON</div><div>EU Technical Support +44 (0) 207.680.4481 USA Technical Support +11 (0) 844.588.766</div></div></div></div> <div>TYPE OF LABEL: THERMAL PRINTER OR ENGRAVE</div> <td colspan="6"><div><div>150</div><div>100</div><div><div><div></div></div><div>WARNING 230VOLTS</div></div></div><div>TYPE OF LABEL: THERMAL PRINTER OR ENGRAVE</div></td> <td colspan="2"></td>		<div><div>150</div><div>100</div><div><div><div></div></div><div>WARNING 230VOLTS</div></div></div> <div>TYPE OF LABEL: THERMAL PRINTER OR ENGRAVE</div>							
C										
D										
E	<div><div>100</div><div>50</div><div><div><div></div></div><div>WARNING MULTIPLE SUPPLIES</div><div>ISOLATE ALL ELECTRICAL SUPPLIES BEFORE CARRYING OUT WORK.</div><div>Isolate the Main Supply At</div><div></div><div>Isolate the alternative Supplies At</div><div></div></div></div> <div>TYPE OF LABEL: THERMAL PRINTER OR ENGRAVE</div>									
F										

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UNIT 34, POTTERY BUSINESS CENTER, POTTERY ROAD, DUN LAOGHAIRE - DUBLIN / IE  
LAND LINE: 00 353 1 282 0303 SALES@LUMITECH.IE

ENGINEER ENPOWERED  
LAURENCE CONNOLLY  
DIRECTOR

X

TENDER

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APPROVAL

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CONSTRUCTION

PROJECT NUMBER: 0000000

SCALE: N/A

DATE: 00.00.0000

REV.: 00

Drawn By: MINCHEL MESQUITA

CUSTOMER: PROJECT: DRAWING NAME:

ELECTRICAL CONTRACTOR  
SAMPLE PROJECT  
LCP - 2020

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	1	2	3	4	5	6	7	8	9	
A	LABELS LIST									
	ITEM	TAG	SIZE	DESC. ROW 1	DESC. ROW 2	ITEM	TAG	SIZE	DESC. ROW 1	DESC. ROW 2
B	01	-	90 x 125mm	MAIN LABEL		23	ESN4	09 X 20mm	ESN4	
	02	-	160 X 180	WARNING	ENERGIZED PANEL	24	ESN5	09 X 20mm	ESN5	
	03	-	50 X 100mm	WARNING	MULTIPLE SUPPLIES	25	ESN6	09 X 20mm	ESN6	
	04	IS1	09 X 20mm	IS1		26	ESN7	09 X 20mm	ESN7	
	05	RC1	09 X 20mm	RC1		27	QSE-IO	09 X 20mm	QSE-IO	
	06	MCB1	09 X 20mm	MCB1		28	QS-1P	09 X 20mm	QS-1P	
	07	MCB2	09 X 20mm	MCB2		29	IM-01	09 X 20mm	IM-01	
	08	MCB3	09 X 20mm	MCB3						
	09	MCB4	09 X 20mm	MCB4						
	10	MCB5	09 X 20mm	MCB5						
C	11	MCB6	09 X 20mm	MCB6						
	12	MCB7	09 X 20mm	MCB7						
	13	MCB8	09 X 20mm	MCB8						
	14	MCB9	09 X 20mm	MCB9						
	15	PSU1	09 X 20mm	PSU1						
	16	PSU2	09 X 20mm	PSU2						
	17	PSU3	09 X 20mm	PSU3						
	18	PSU4	09 X 20mm	PSU4						
	19	PSU5	09 X 20mm	PSU5						
	20	ESN1	09 X 20mm	ESN1						
D	21	ESN2	09 X 20mm	ESN2						
	22	ESN3	09 X 20mm	ESN3						
E										
F										

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	1	2	3	4	5	6	7	8	9
A	BOM TABLE								
	PANEL CODE	GROUP	QTY	DESCRIPTION			MANUFACTURER	PART NUMBER	
	LCP	METAL FRAME	01	METAL ENCLOSURE 1000MM X 750MM RAL7035, IP41, IK08			FLEXITEC	LUM-1131-01	
	-	MISCELLANEOUS	02	TRUNKING 8mm SLOTTED WIRING 40X60mm, GREY COLOUR			FLEXITEC	-	
	-	MISCELLANEOUS	02	DIN RAIL PERFORATED - NS 35/ 7,5 PERF 2000MM			FLEXITEC	-	
	IS1	SWITCH	01	SWITCH DISCONNECTOR, COMPACT INS40, 40A			SCHNEIDER ELECTRIC	28900	
	MCB1	MCB	01	MINIATURE CIRCUIT BREAKER, EASY9, 1P, 6 A, C CURVE, 4500 A			SCHNEIDER ELECTRIC	EZ9F66106	
	MCB2	MCB	01	MINIATURE CIRCUIT BREAKER,EASY9, 1P, 10 A, C CURVE, 4500 A			SCHNEIDER ELECTRIC	EZ9F66110	
	MCB3 TO MCB9	MCB	07	MINIATURE CIRCUIT BREAKER,EASY9, 1P, 6 A, B CURVE, 4500 A			SCHNEIDER ELECTRIC	EZ9F16106	
	RC1	RCBO	01	RCBO - 1P + N - 10A - C curve - ACB type - 6000 A			SCHNEIDER ELECTRIC	EZ9D16810	
	QS-1P	QS DEVICES	01	LUTRON QUANTUM PROCESSOR COMPLETE WITH 02 QS LINKS			LUTRON	-	
	ESN1 TO ESN7	QS DEVICES	07	DALI ENERGI SAVR NODE			LUTRON	QSNE-2DAL-D	
	PSU1 TO PSU5	QS DEVICES	05	DIN RAIL POWER SUPPLY CAN UP TO 75 PDUs ON A QS LINK.			LUTRON	QSPS-DH-1-75	
	QS-I/O	QS DEVICES	01	QSE-IO VOLT-FREE INPUT/OUTPUT INTEGRATION MODULE			LUTRON	QS-IO	
	SC-1	MISCELLANEOUS	01	SWITCHGEAR CABINET OUTLET FOR DIN RAIL MOUNTING 250 VCA, 6,3A			STEGO	03503.0-01	
D	ENTRY LIVE	WIRING	05 Meters	F. CABLE 2.5mm2, LSHF, BROWN, 70°C, LV 750V, EN 60332 / 60754 /50399			-	-	
	ENTRY NEUTRAL	WIRING	05 Meters	F. CABLE 2.5mm2, LSHF, BLUE, 70°C, LV 750V, EN 60332 / 60754 /50399			-	-	
	MAIN EARTH	WIRING	02 Meters	F. CABLE 2.5mm2, LSHF, GREEN, 70°C, LV 750V, EN 60332 / 60754 /50399			-	-	
	LIVE	WIRING	30 Meters	F. CABLE 1,5mm2, LSHF, BROWN, 70°C, LV 750V, EN 60332 / 60754/50399			-	-	
	NEUTRAL	WIRING	20 Meters	F. CABLE 1,5mm2, LSHF, BLUE, 70°C, LV 750V, EN 60332 / 60754/50399			-	-	
E	EARTH	WIRING	20 Meters	F. CABLE 1,5mm2, LSHF, GREEN, 70°C, LV 750V, EN 60332 / 60754/50399			-	-	
	COMMON	WIRING	50 Meters	F. CABLE 1,5mm2, LSHF, BLACK, 70°C, LV 750V, EN 60332 / 60754/50399			-	-	
	POSTIVE +	WIRING	50 Meters	F. CABLE 1,5mm2, LSHF, RED, 70°C, LV 750V, EN 60332 / 60754/50399			-	-	
	DALI +	WIRING	50 Meters	F. CABLE 1,5mm2, LSHF, PURPLE, 70°C, LV 750V, EN 60332 / 60754/50399			-	-	
F									

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LAURENCE CONNOLLY  
DIRECTOR

X

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TENDER  
APPROVAL  
CONSTRUCTION

PROJECT NUMBER:0000000

SCALE: N/A

DATE: 00.00.0000

REV.: 00

Drawn By: MINCHEL MESQUITA

CUSTOMER:

PROJECT:

DRAWING NAME:

ELECTRICAL CONTRACTOR  
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A	1	2	3	4	5	6	7	8	9
	BOM TABLE								
	PANEL CODE	GROUP	QTY	DESCRIPTION			MANUFACTURER	PART NUMBER	
	DALI -	WIRING	50 Meters	F. CABLE 1,5mm2, LSHF, WHITE, 70°C, LV 750V, EN 60332 / 60754/50399			-	-	
	QS LINK 1 & 2	CABLING	20 Meters	LUTRON PLENUM CABLE - LSHF 600V			RANCRO	VDE 0812	
	-	DIN RAIL TERMINAL	05	FEED-THROUGH TERMINAL BLOCK - UT 2,5 BN			PHOENIX CONTACT	3044077	
	-	DIN RAIL TERMINAL	01	FEED-THROUGH TERMINAL BLOCK - UT 2,5 BU			PHOENIX CONTACT	3044089	
	-	DIN RAIL TERMINAL	01	FEED-THROUGH TERMINAL BLOCK - UT 2,5 GN			PHOENIX CONTACT	3045091	
	-	DIN RAIL TERMINAL	03	FEED-THROUGH TERMINAL BLOCK - UT 2,5 VT			PHOENIX CONTACT	3044078	
	-	DIN RAIL TERMINAL	04	FEED-THROUGH TERMINAL BLOCK - UT 2,5			PHOENIX CONTACT	3044076	
B	-	DIN RAIL TERMINAL	32	FEED-THROUGH TERMINAL BLOCK - UT 2,5 WH			PHOENIX CONTACT	3045075	
	-	DIN RAIL TERMINAL	32	FEED-THROUGH TERMINAL BLOCK - UT 2,5 RD			PHOENIX CONTACT	3045062	
	-	DIN RAIL TERMINAL	08	FEED-THROUGH TERMINAL BLOCK - UT 2,5 BK			PHOENIX CONTACT	3045088	
	-	DIN RAIL TERMINAL	86	END COVER - D-UT 2,5/10			PHOENIX CONTACT	3047028	
	-	DIN RAIL TERMINAL	16	END CAP - NS 35/ 7,5 CAP			PHOENIX CONTACT	1206560	
	-	DIN RAIL TERMINAL	16	END CLAMP - CLIPFIX 35			PHOENIX CONTACT	3022218	
	-	MISCELLANEOUS	16	22mm SPACER			-	-	
	IM-01	MISCELLANEOUS	01	DIN-RAIL MOUNTED RJ45 5P5C5 LANDING BOARD			LIGHING CONTROL	-	
C									
D									
E									
F									

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