



NOOR KAVAN RASAM

EMPLOYER:

MANUFACTOR:

NOOR KAVAN RASAM SANAT

PURCHASER:

PROJECT:

CHILLER

DESIGNER:

M.KHEIROLLAHZADE

CHECKES BY:

M.KHEIROLLAHZADE

APPROVED BY:

M.KHEIROLLAHZADE

PHONE DESIGNER:

0993 055 38 91

REV:

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DATE:

2025/05/14

SOFTWARE:

EPLAN

VERSION:

P8-2.9-2019

CREATED PAGE:

127

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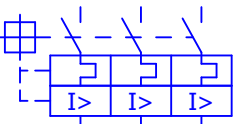
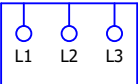
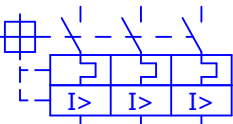
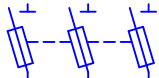
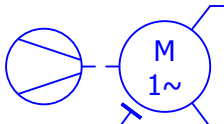
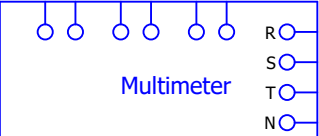
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DATA SHEET									
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						 NOOR KAVAN RASAM			
00	2025/8/7	ISSUE FOR REVIEW	M.K.KHEIROLLAHZADE	M.K.KHEIROLLAHZADE	EN.BAGHDADI				
REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED				
						PROJECT :		NOTES :	
						DOCUMENT TITLE :		CONTRACT NUMBER :	
						COVER SHEET			
								DOCUMENT NUMBER : kaloob 0022	
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1) Rated Main Voltage (V) :	400c/ac
2) Rated Control Voltage (V) :	230v/ac
3) Rated Frequency (Hz) :	50
4) Rated Current (A) :	400A
5) Short Circuit Capacity (Icu) :	36 KA 1 Sec.
6) Earthing System :	
7) Neutral & Earth Busbar Size :	Half of Phase
8) Colors Of Busbar & Wires :	L1: Red L2: Yellow L3: Black N: Blue PE: Green/Yellow
9) Busbar Coat :	Heat Shrink
10) Control Wiring Size (mm) :	MIN:1.5(mm) ,MAX: 2.5(mm)
11) Control Wire Color :	Ph: Red N: Blue
ENCLOSURE DATA	
12) Material Sheet :	Galvanized
13) Sheet Thickness (mm) :	2(mm)
14) Thickness of Paint:	80~110 Micron
15) Thickness of Paint:	Ral 7035
16) Enclosure Ingress Protection :	IP 42x
17) Dimension (Cm) :	Width [cm]: 60+90+90+60 Depth [cm]: 60 Height [cm]: 210
18) Type :	Free Standing
19) Incoming :	Bottom
20) Outgoing :	Bottom
21) Document Pocket:	Yes ☒ NO ☐
22) Fan :	Yes ☒ NO ☐

						MANUFACTURER :  NOOR KAVAN RASAM	DESIGNER :	PROJECT :	NOTES :	DOCUMENT TITLE : DATA SHEET	CONTRACT NUMBER :	SIZE	SCALE	SHEET
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Legend																		
Symbol		Description		Symbol		Description		Symbol		Description								
ACB 		Air Cases Circuit Breaker				Air Cases Circuit Breaker				Panel Thermostat								
MCCB 		Moulded Cases Circuit Breaker				Power Contactor				Door Switch								
		Fuse circuit-breaker, three-pole				Fan Filter Unit				Signal Light								
		Fuse circuit-breaker, two-pole				Fluorescent lamp				Current transformer								
		Power & Energy meter				Start				Terminal								
				MANUFACTURER :		DESIGNER :		PROJECT :		NOTES :		DOCUMENT TITLE :		CONTRACT NUMBER :		SIZE	SCALE	SHEET
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Summarized parts list <table><tr><th>Row</th><th>Device Tage</th><th>Quantity</th><th>Description</th><th>Type number</th><th>Manufacturer</th></tr><tr><td>1</td><td>B1...B4</td><td>4</td><td>Panel Thermostat</td><td>PSK-F</td><td>Koomesh</td></tr><tr><td>2</td><td>CT1...CT3</td><td>3</td><td>Current Transformer</td><td>AL3</td><td>Magelectric</td></tr><tr><td>3</td><td>CT4...CT16;CT18...CT21;T17</td><td>18</td><td>Current transformer CLASS:0.5</td><td>AL2</td><td>MAG</td></tr><tr><td>4</td><td>F1;F2;F5...F16</td><td>14</td><td>3P/2A;Fuse circuit-breaker , three-pole</td><td>RFH103</td><td>Raad</td></tr><tr><td>5</td><td>F3;F4</td><td>2</td><td>Fuse circuit-breaker, two-pole</td><td>RFH102</td><td>=</td></tr><tr><td>6</td><td>Fan1...Fan4</td><td>4</td><td>Ventilation Fan</td><td>**</td><td>Commonwealth</td></tr><tr><td>7</td><td>H1...H3;H8...H137</td><td>133</td><td>Signal Light 230vac; On Red;Off GRN</td><td>RSL22</td><td>Raad</td></tr><tr><td>8</td><td>H4...H7</td><td>4</td><td>Lighting</td><td>30cm</td><td>Remonik</td></tr><tr><td>9</td><td>K1</td><td>1</td><td>Contactor</td><td>LC1D32P7</td><td>schneider</td></tr><tr><td>10</td><td>K2...K7;K26...K28</td><td>9</td><td>Contactor</td><td>LC1D25P7</td><td>=</td></tr><tr><td>11</td><td>K8...K22;K29...K45</td><td>32</td><td>Contactor</td><td>LC1D18P7</td><td>=</td></tr><tr><td>12</td><td>K23;K24;K46...K56</td><td>13</td><td>Contactor</td><td>LC1D09P7</td><td>=</td></tr><tr><td>13</td><td>K25</td><td>1</td><td>Contactor</td><td>LC1D50AP7</td><td>=</td></tr><tr><td>14</td><td>PHC1;PHC2</td><td>2</td><td>3-phase control relay</td><td>RM17TG00</td><td>=</td></tr><tr><td>15</td><td>PM1...PM7</td><td>7</td><td>Multimeter</td><td>PM2120</td><td>=</td></tr></table>										Row	Device Tage	Quantity	Description	Type number	Manufacturer	1	B1...B4	4	Panel Thermostat	PSK-F	Koomesh	2	CT1...CT3	3	Current Transformer	AL3	Magelectric	3	CT4...CT16;CT18...CT21;T17	18	Current transformer CLASS:0.5	AL2	MAG	4	F1;F2;F5...F16	14	3P/2A;Fuse circuit-breaker , three-pole	RFH103	Raad	5	F3;F4	2	Fuse circuit-breaker, two-pole	RFH102	=	6	Fan1...Fan4	4	Ventilation Fan	**	Commonwealth	7	H1...H3;H8...H137	133	Signal Light 230vac; On Red;Off GRN	RSL22	Raad	8	H4...H7	4	Lighting	30cm	Remonik	9	K1	1	Contactor	LC1D32P7	schneider	10	K2...K7;K26...K28	9	Contactor	LC1D25P7	=	11	K8...K22;K29...K45	32	Contactor	LC1D18P7	=	12	K23;K24;K46...K56	13	Contactor	LC1D09P7	=	13	K25	1	Contactor	LC1D50AP7	=	14	PHC1;PHC2	2	3-phase control relay	RM17TG00	=	15	PM1...PM7	7	Multimeter	PM2120	=
Row	Device Tage	Quantity	Description	Type number	Manufacturer																																																																																																				
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11	K8...K22;K29...K45	32	Contactor	LC1D18P7	=																																																																																																				
12	K23;K24;K46...K56	13	Contactor	LC1D09P7	=																																																																																																				
13	K25	1	Contactor	LC1D50AP7	=																																																																																																				
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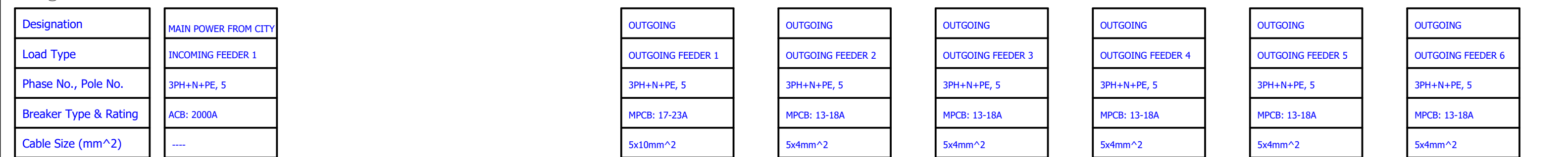
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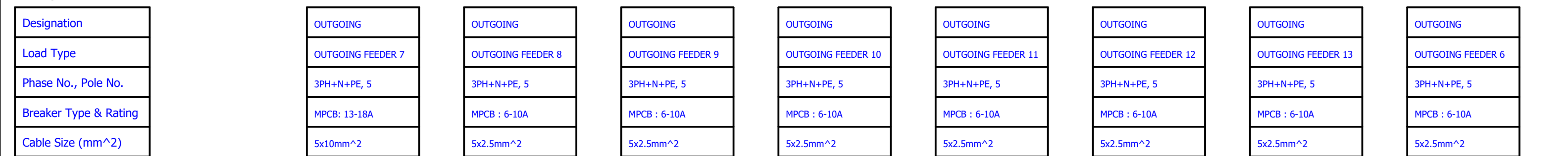
Summarized parts list

Row	Device Tage	Quantity	Description	Type number	Manufacturer
16	Q0	1	ACB In: 1000A	ACB-1000A-NT	schneider
17	Q1...Q6	6	MCCB In: 400A	Fix	=
18	Q7	1	MPCB 17-23A	GV2ME21	=
19	Q7...Q62	56	MPCB 17-23A;MPCB In: 13-18A; MPCB In: 6-10A;MPCB In: 2.5-4A; MPCB In: 37-50A;MPCB In: 4-6.3A; MPCB In: 1-1.6A;MPCB In: 0.63-1A	GVAD0110	=
20	Q8...Q13;Q32...Q34	9	MPCB In: 13-18A	GV2ME20	=
21	Q14...Q28;Q35...Q51	32	MPCB In: 6-10A	GV2ME14	=
22	Q29;Q30;Q54...Q56	5	MPCB In: 2.5-4A	GV2ME08	=
23	Q31	1	MPCB In: 37-50A	GV3P50	=
24	Q52;Q53	2	MPCB In: 4-6.3A	GV2ME10	=
25	Q57;Q58	2	MPCB In: 1-1.6A	GV2ME06	=
26	Q59...Q62	4	MPCB In: 0.63-1A	GV2ME05	=
27	S1...S4	4	Door Switch	CM1307	CNTD
28	S5;S7;S9;S11;S13;S15;S17;S19;S21;S23;S25;S27 ;S29;S31;S33;S35;S37;S39;S41;S43;S45;S47;S49 ;S51;S53;S55;S57;S59;S61;S63;S65;S67;S69;S71;S73;S75; S77;S79;S81;S83;S85;S87;S89;S91;S93;S95;S97;S99;S101; S103;S105;S107;S109;S111;S113;S115	56	STOP	FBC	Raad
29	S6;S8;S10;S12;S14;S16;S18;S20;S22;S24;S26;S28; S30;S32;S34;S36;S38;S40;S42;S44;S46;S48;S50; S52;S54;S56;S58;S60;S62;S64;S66;S68;S70;S72;S74 ;S76;S78;S80;S82;S84;S86;S88;S90;S92;S94;S96;S98; S100;S102;S104;S106;S108;S110;S112;S114;S116	56	START	FBO	Raad

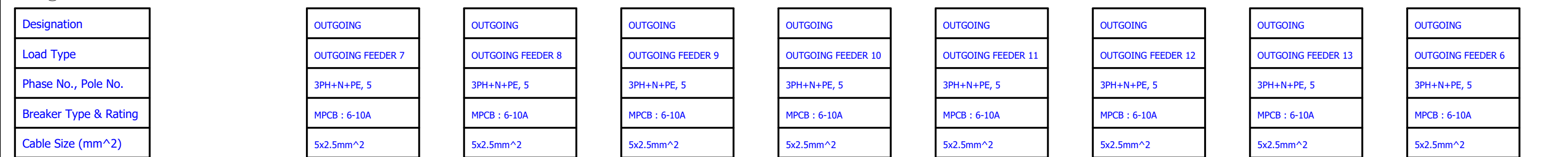
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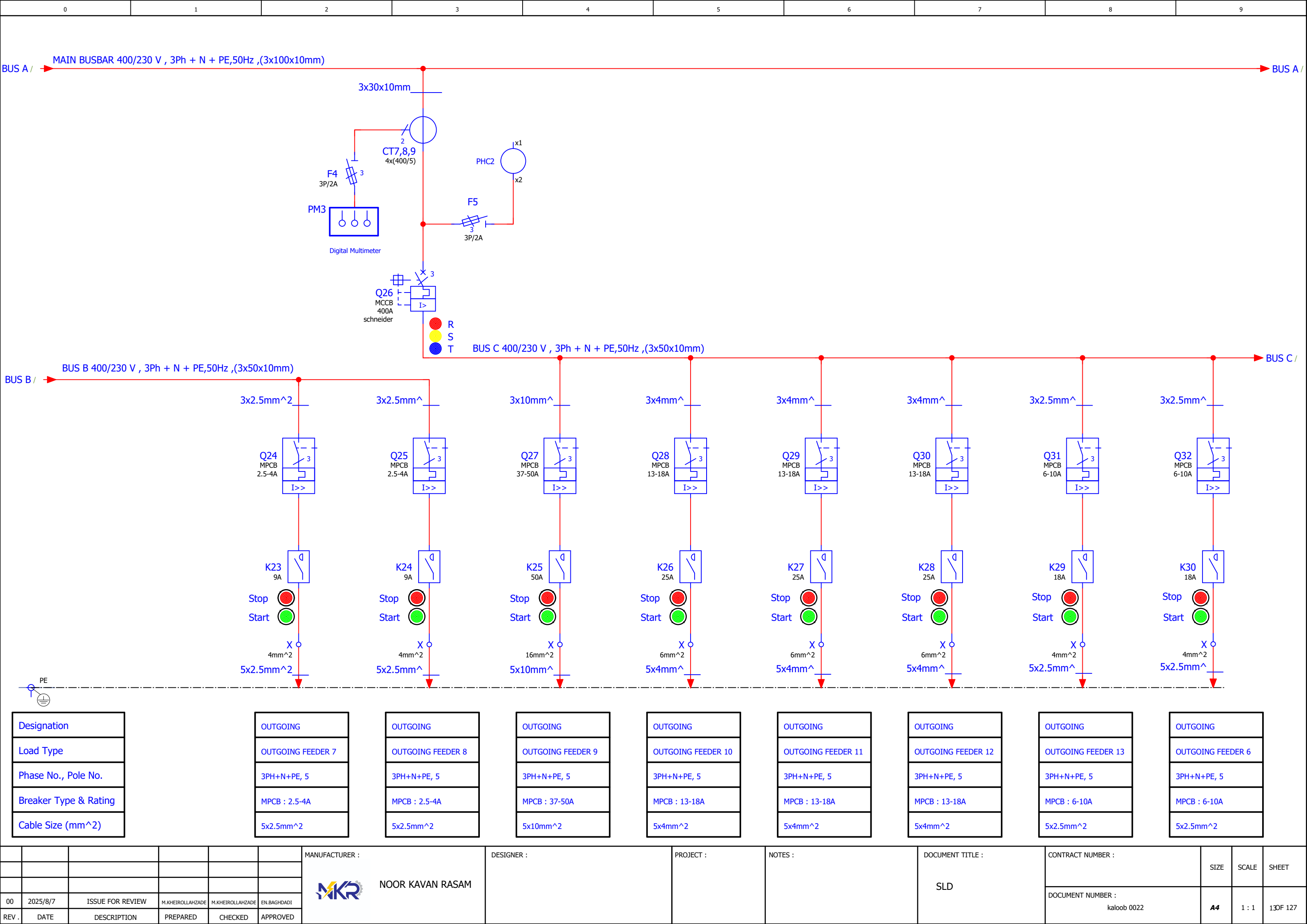
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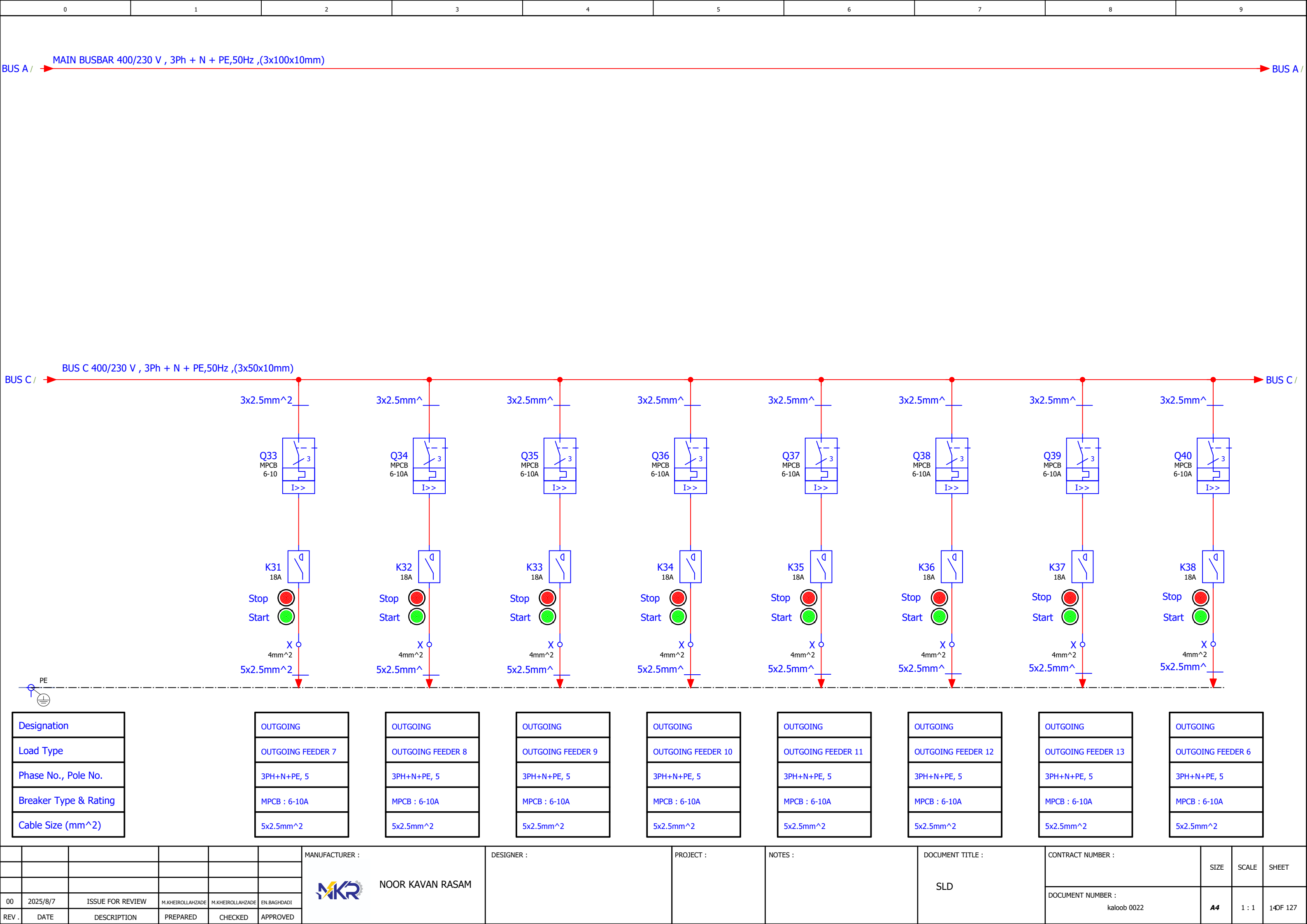


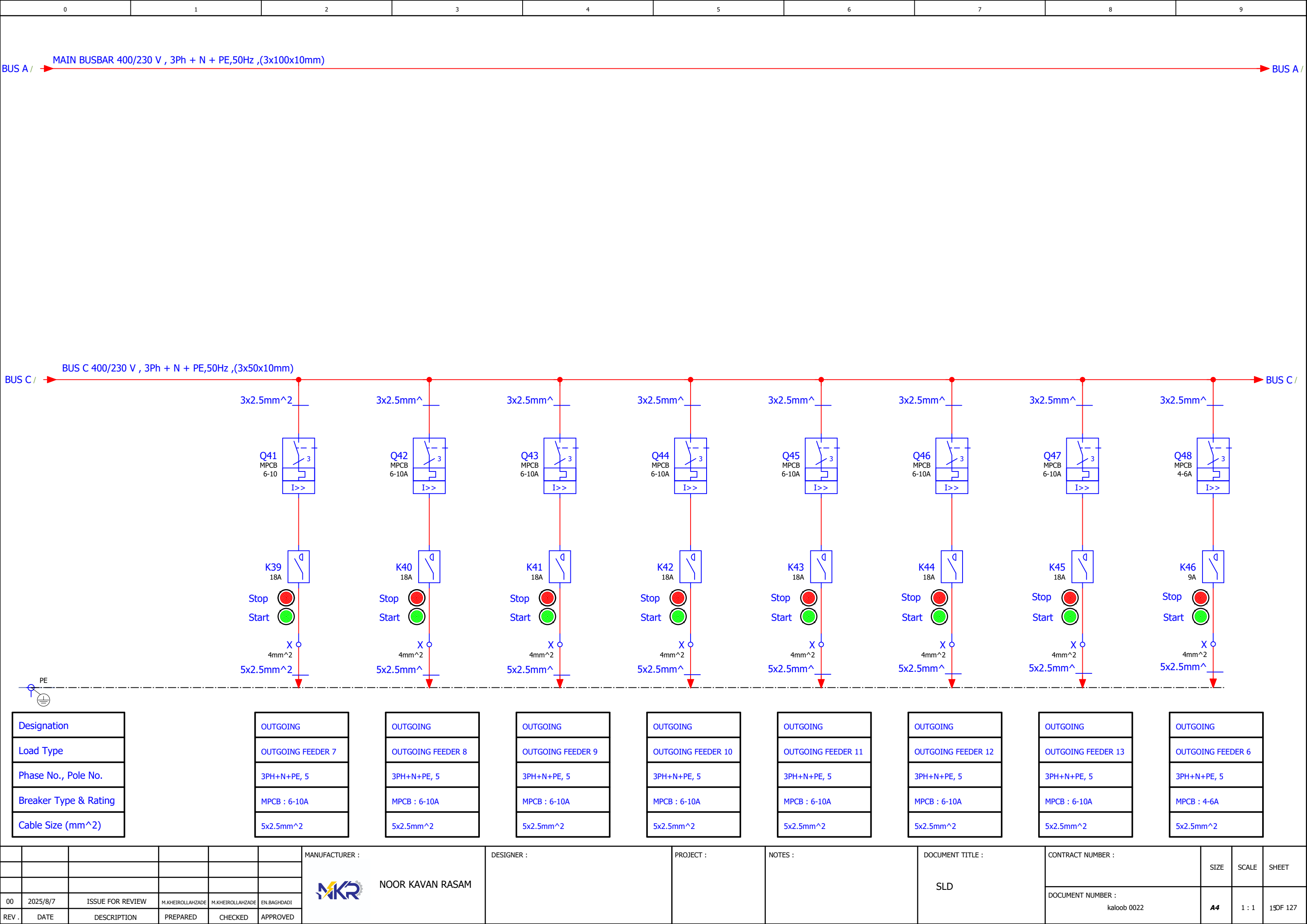
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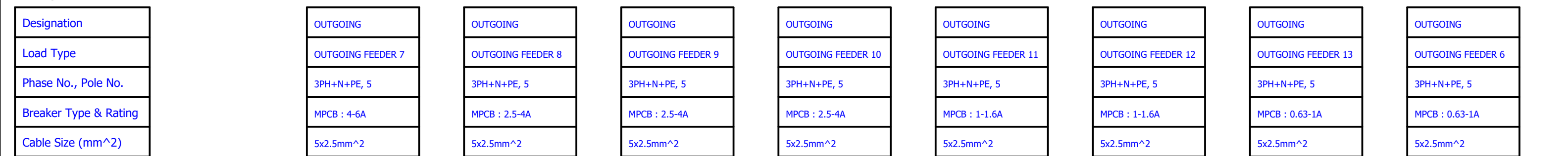


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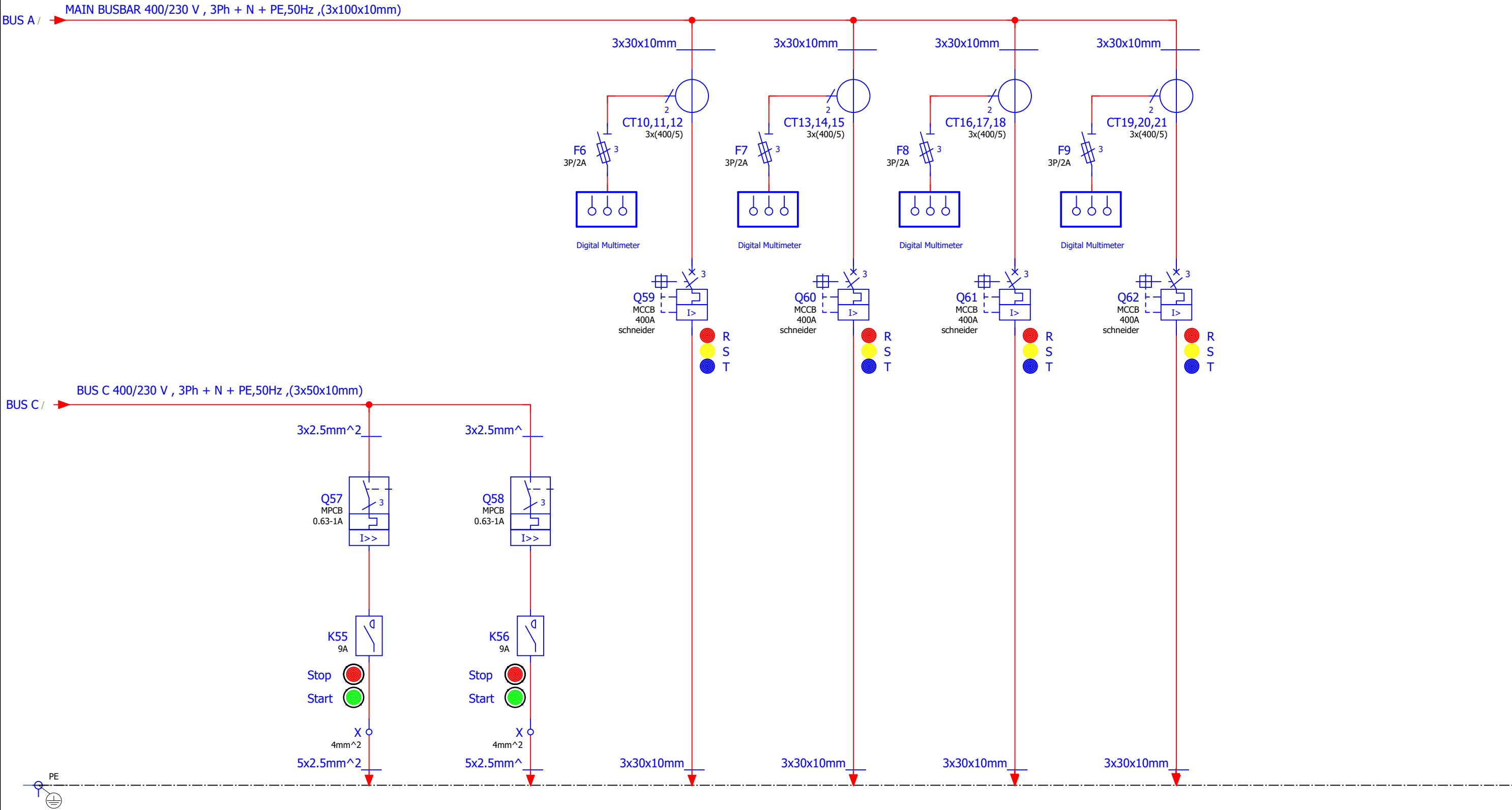








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Designation
Load Type
Phase No., Pole No.
Breaker Type & Rating
Cable Size (mm^2)

OUTGOING
OUTGOING FEEDER 7
3PH+N+PE, 5
0.63-1A
5x2.5mm^2

OUTGOING
OUTGOING FEEDER 8
3PH+N+PE, 5
0.63-1A
5x2.5mm^2

OUTGOING
OUTGOING FEEDER 9
3PH+N+PE, 5
MCCB : 400A
5x2.5mm^2

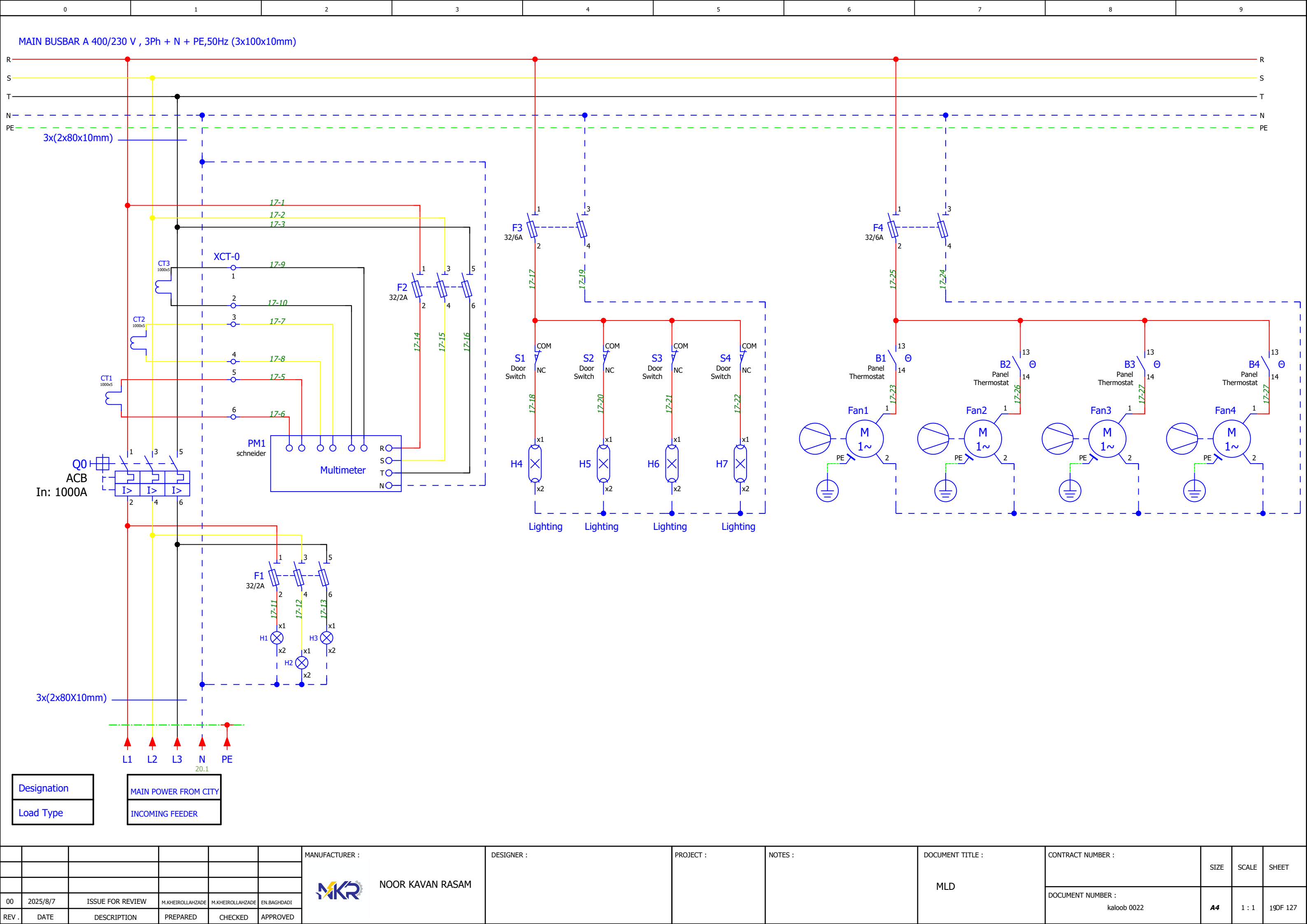
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OUTGOING FEEDER 9
3PH+N+PE, 5
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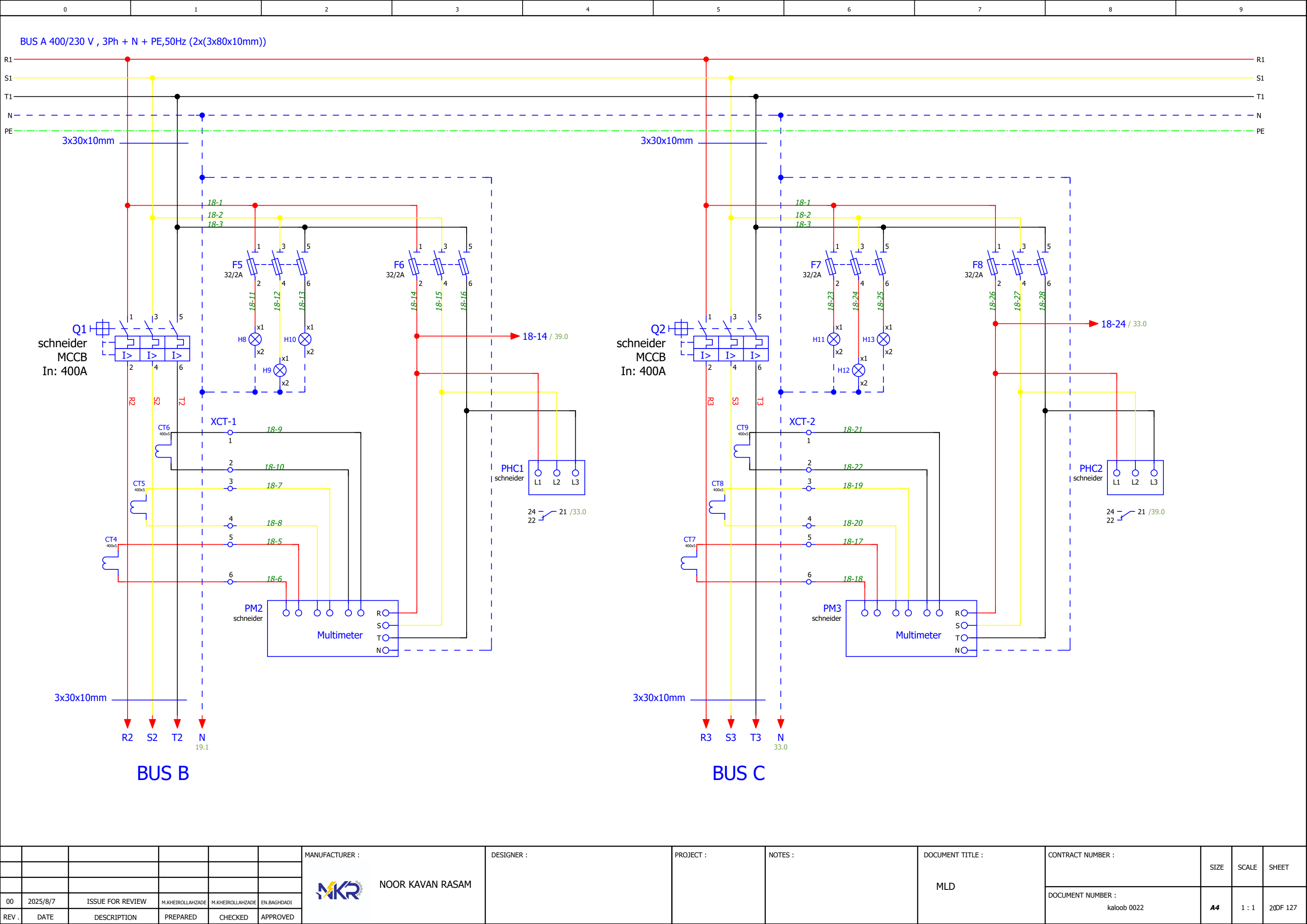
OUTGOING
OUTGOING FEEDER 9
3PH+N+PE, 5
MCCB : 400A
5x2.5mm^2

OUTGOING
OUTGOING FEEDER 9
3PH+N+PE, 5
MCCB : 400A
5x2.5mm^2

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MULTI LINE DIAGRAM (MLD)															
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						 NOOR KAVAN RASAM					COVER SHEET				
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NOOR KAVAN RASAM

DESIGNER :

PROJECT :

NOTES :

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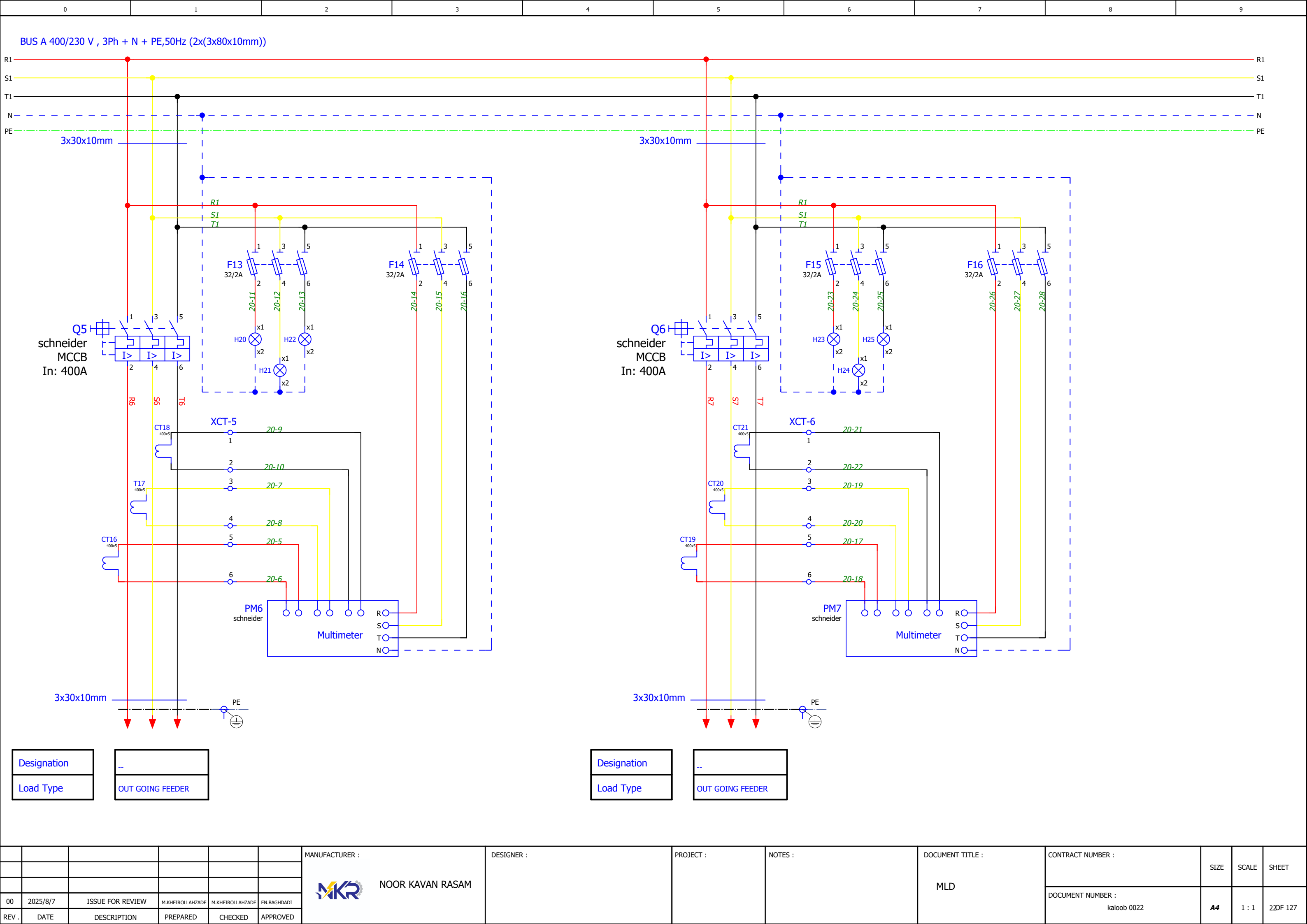
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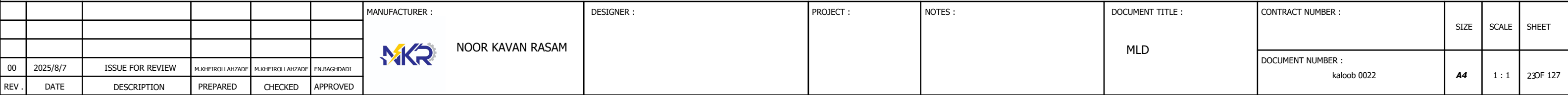
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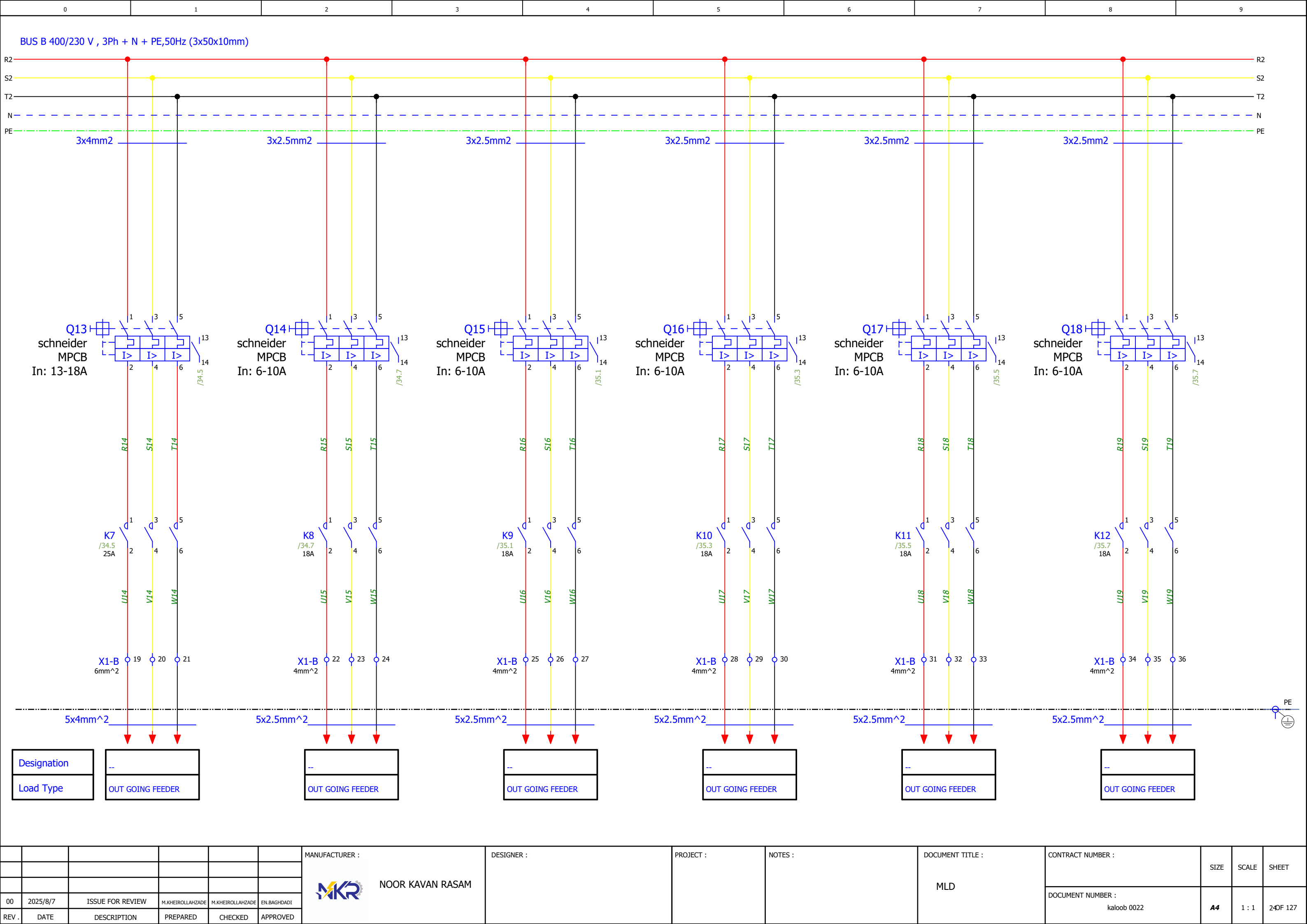
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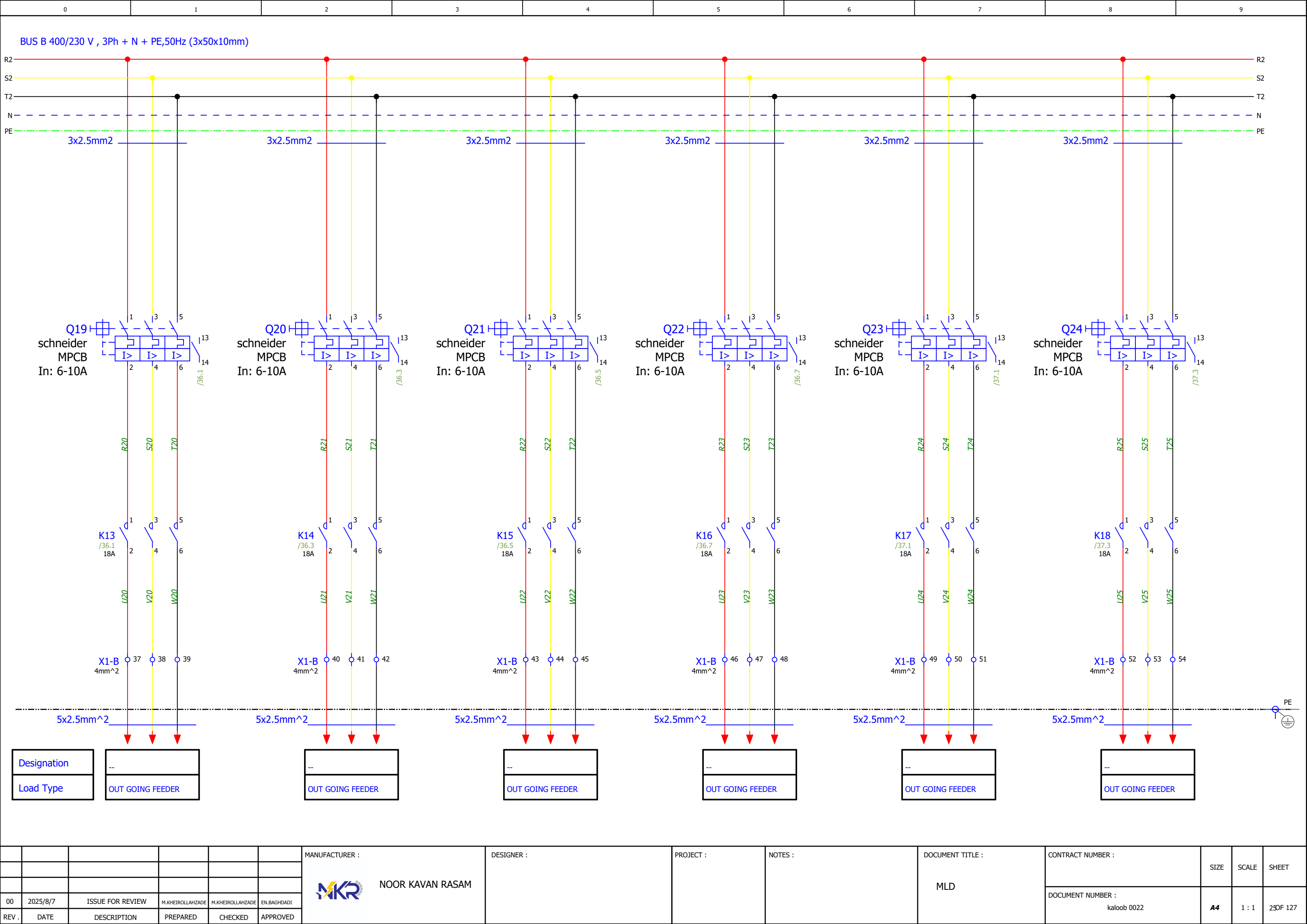


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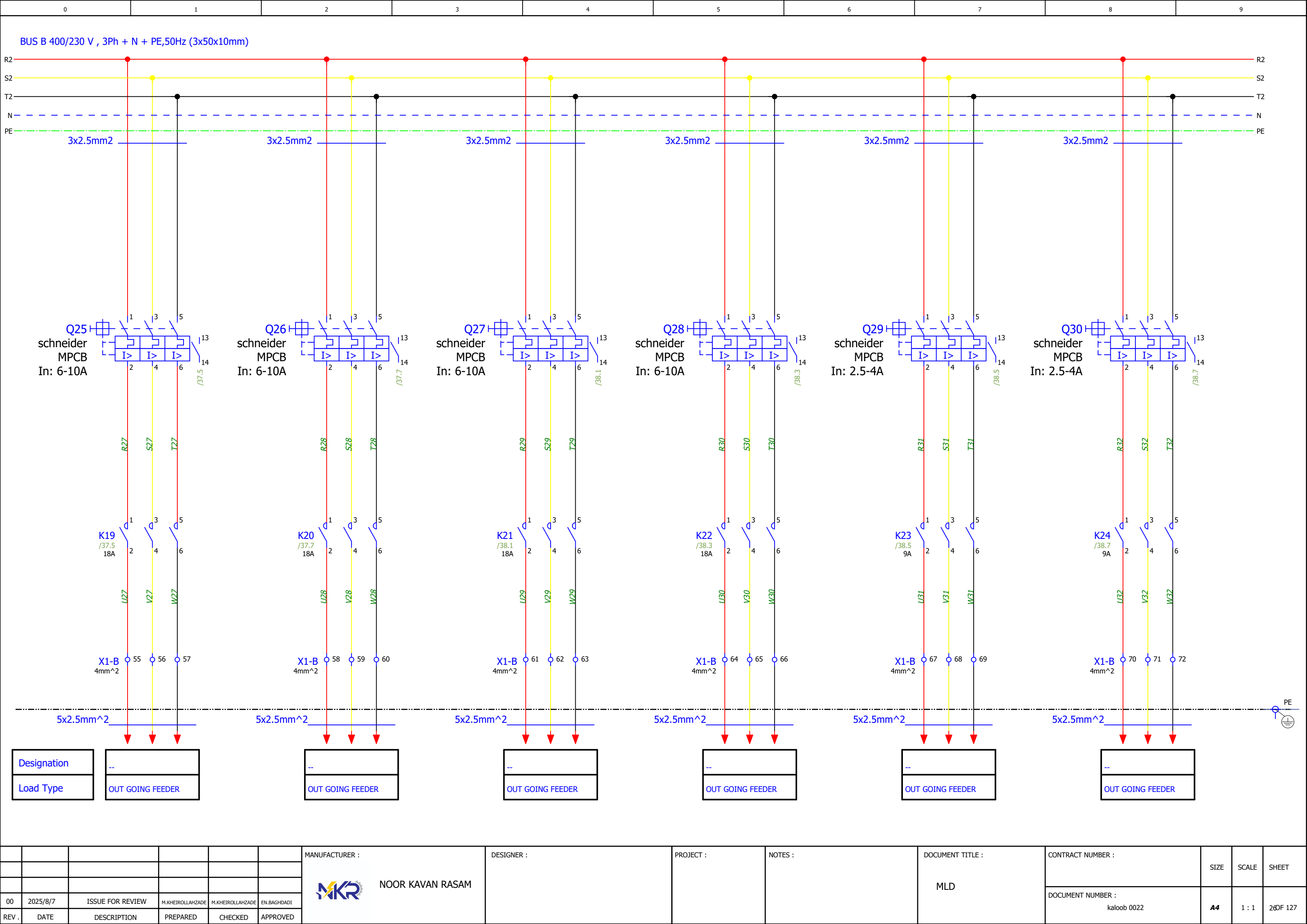




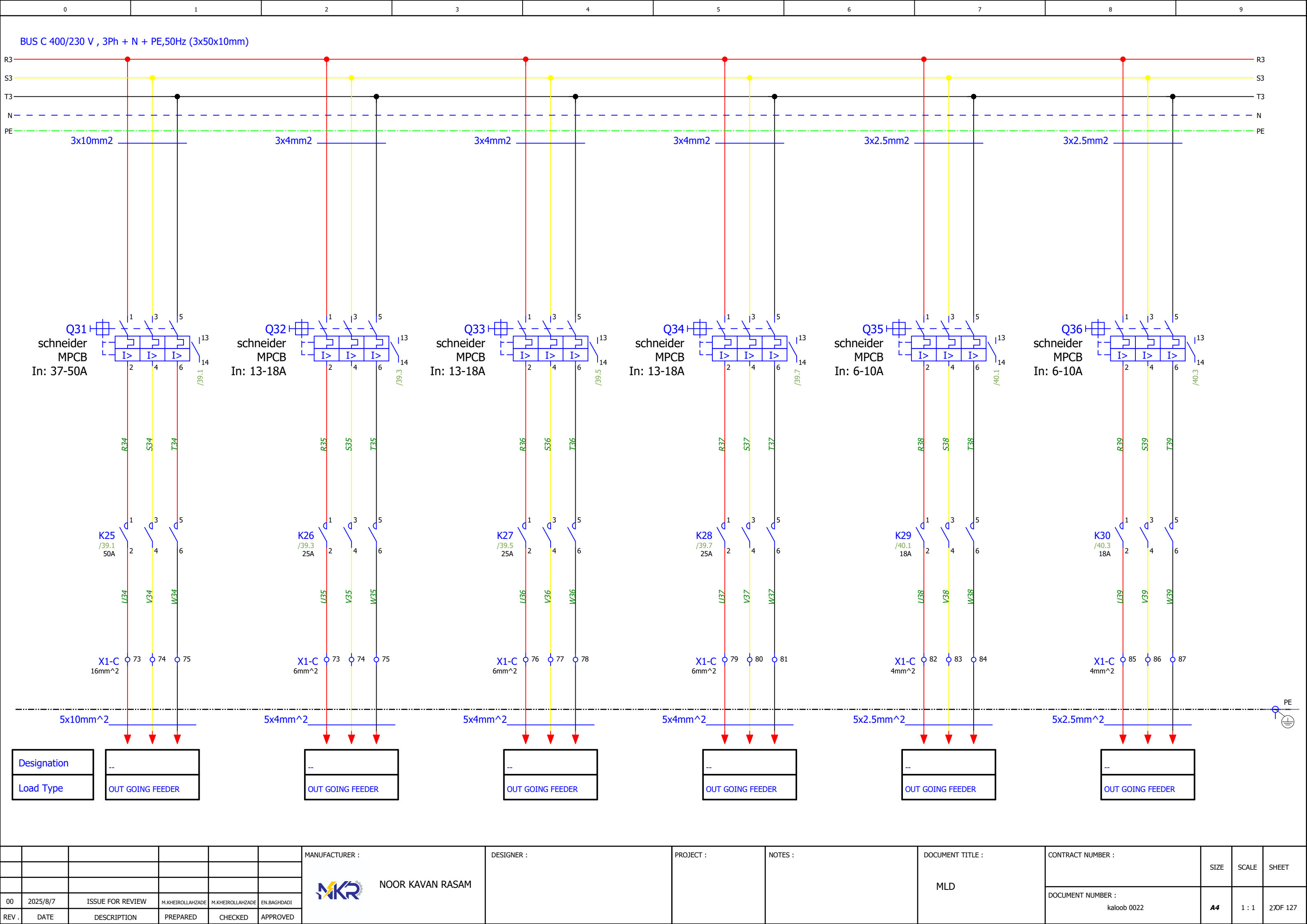
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REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED						kaloob 0022	A4	1 : 1	24 OF 127



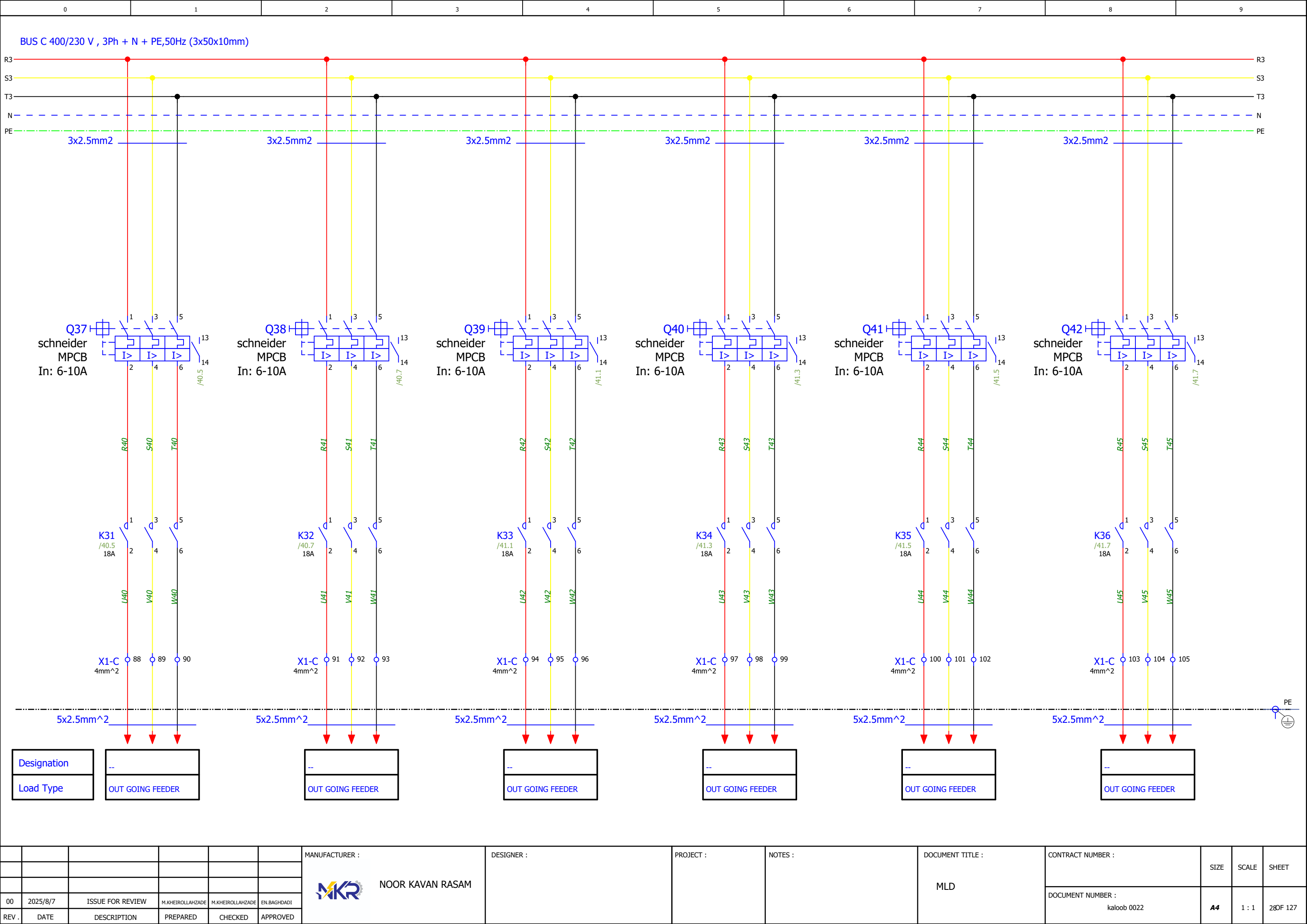
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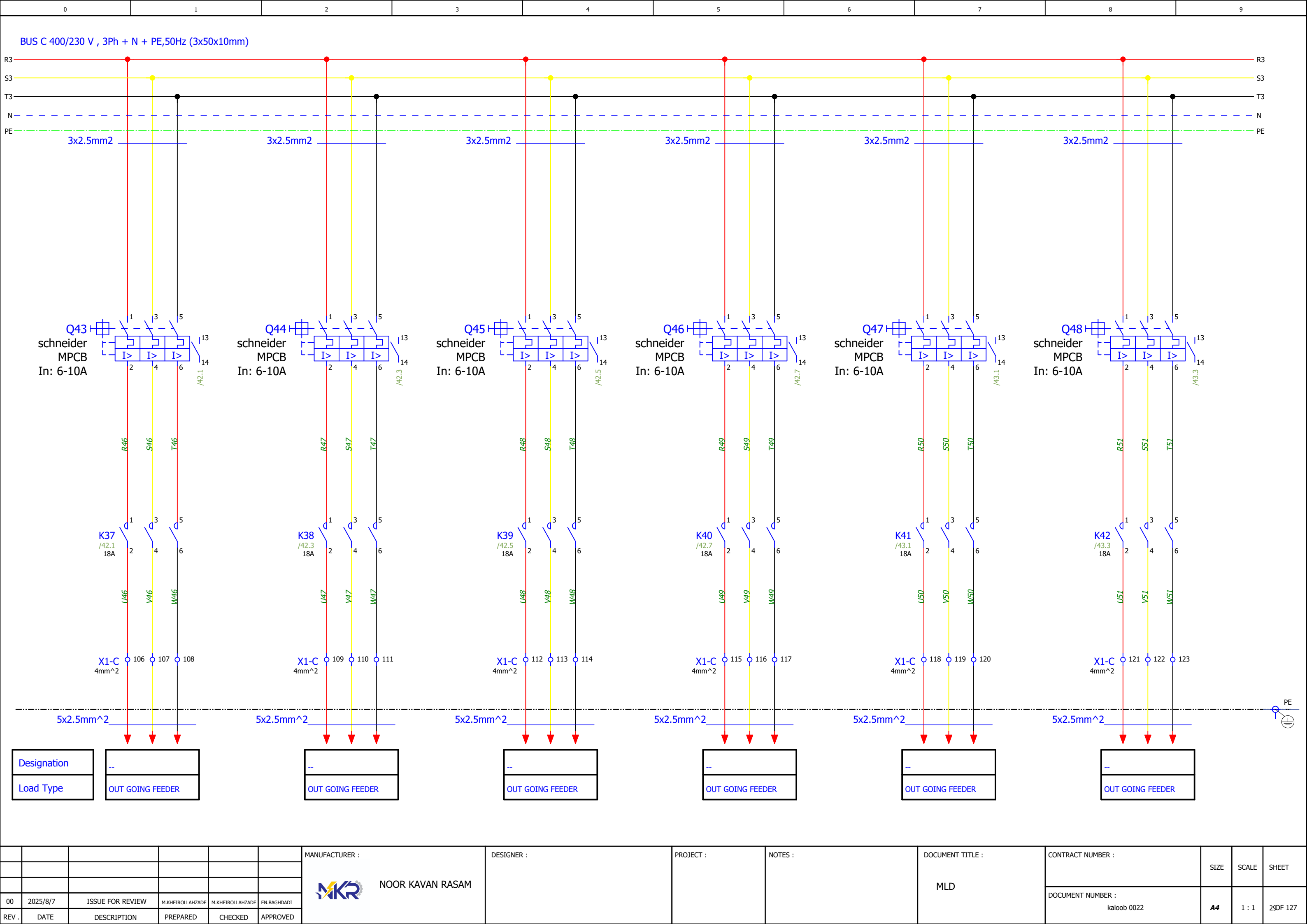
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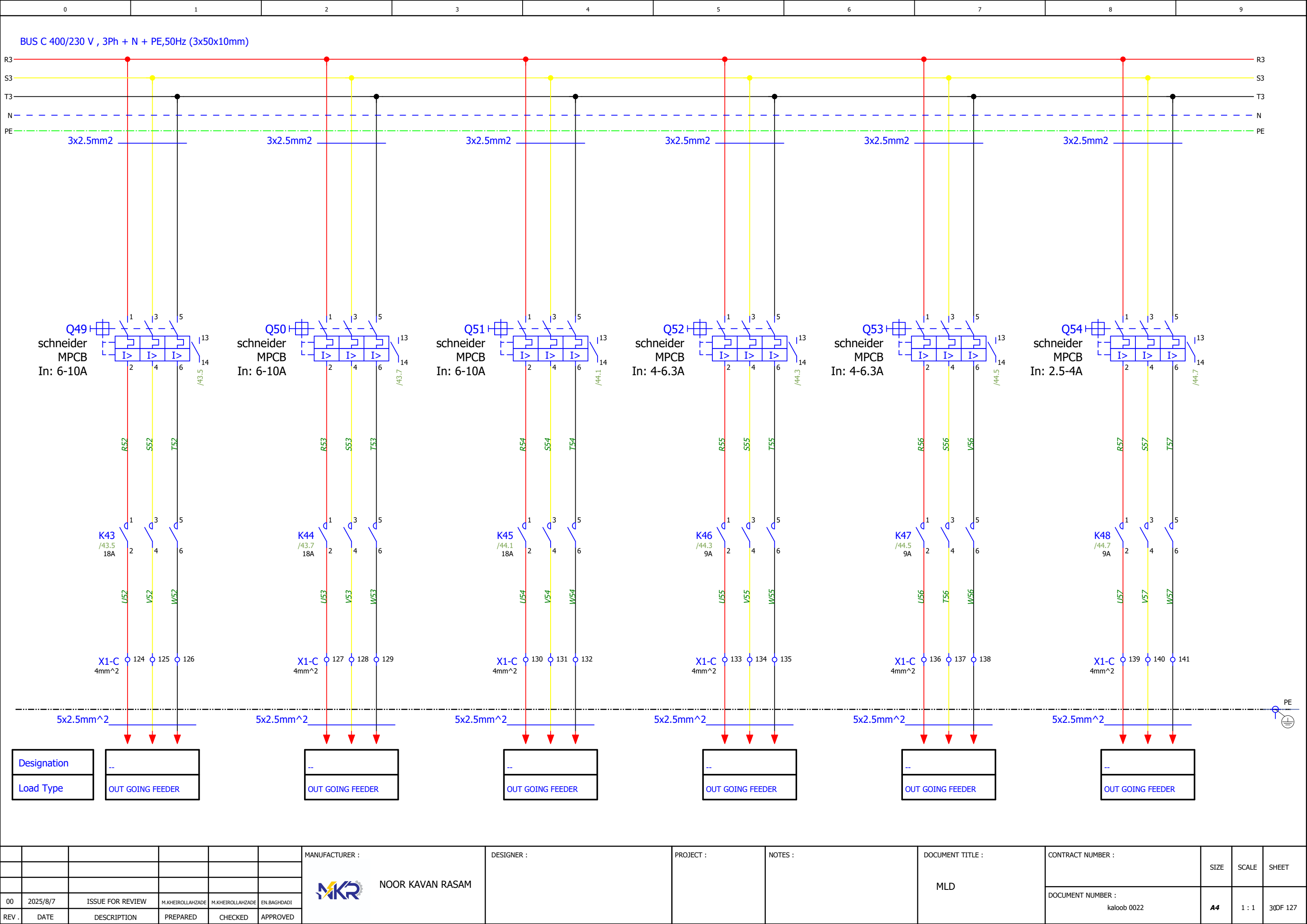
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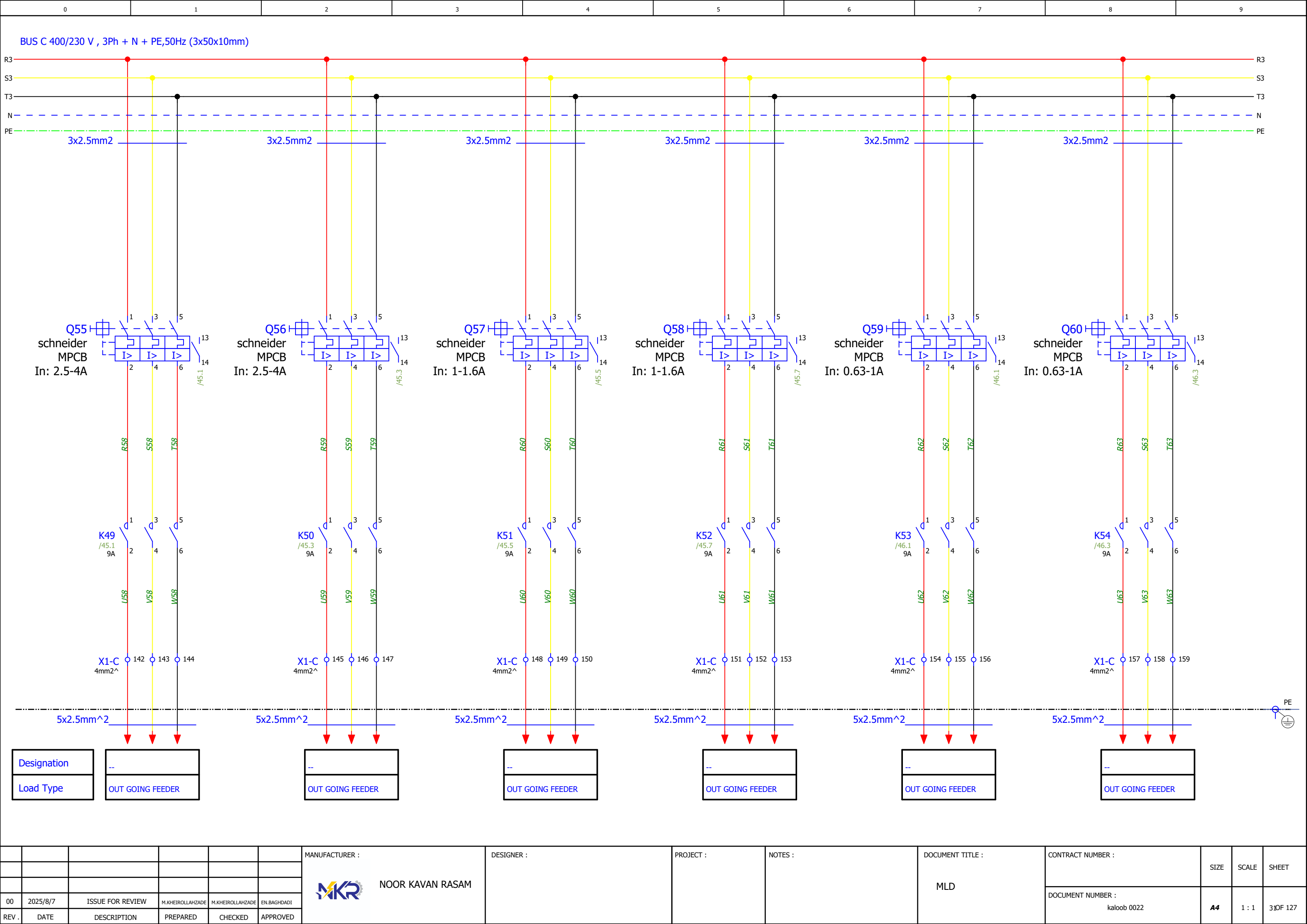
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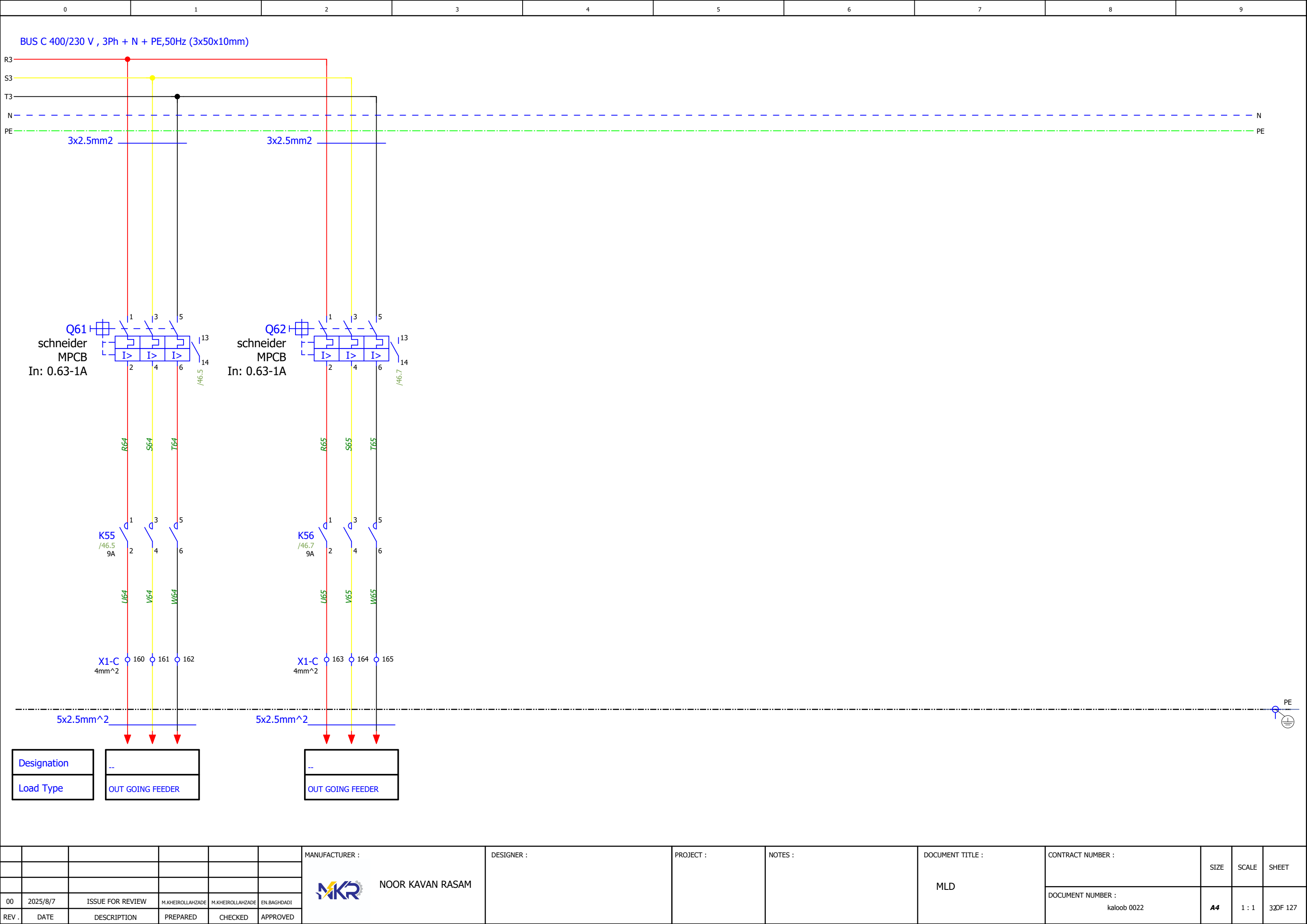
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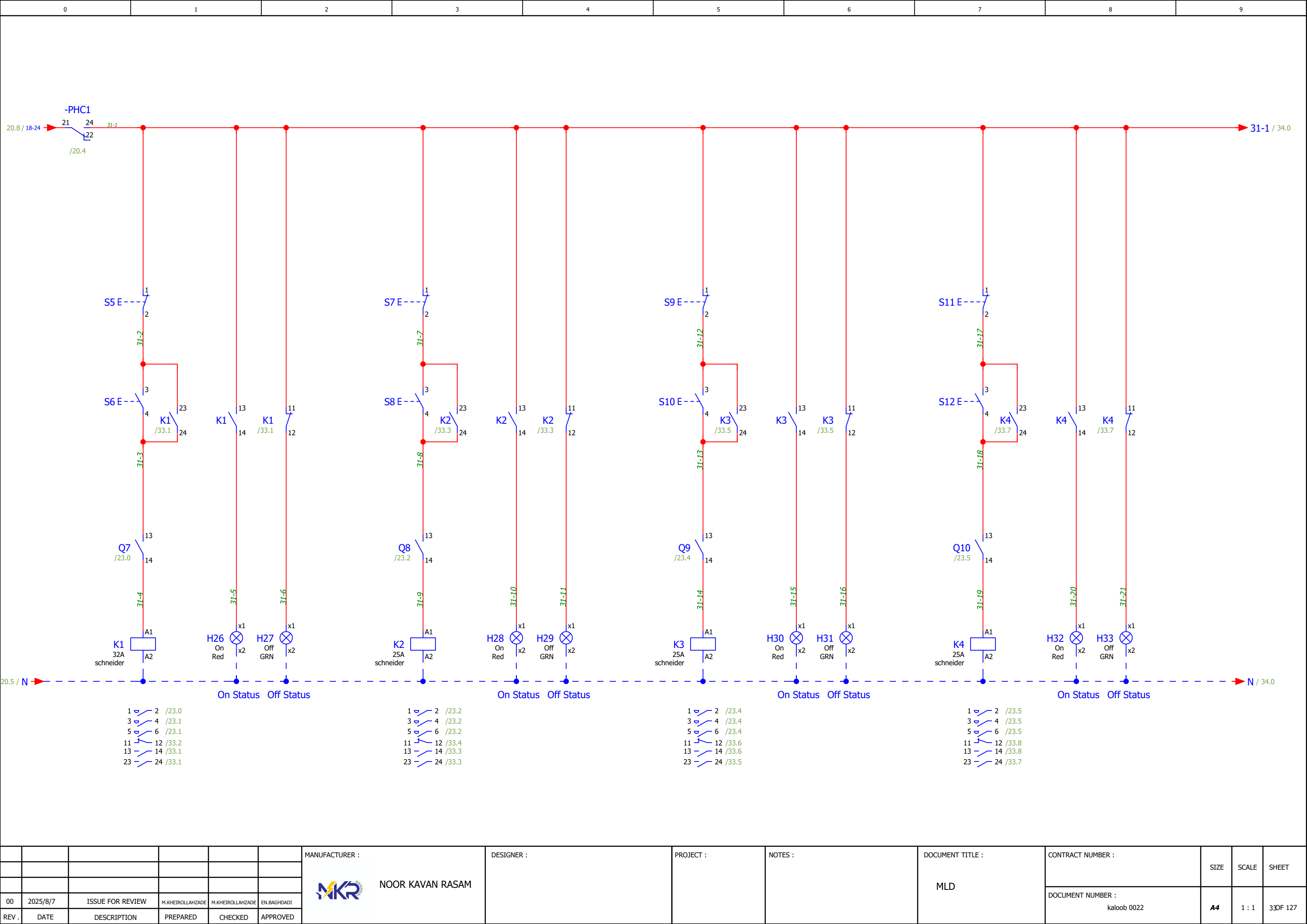


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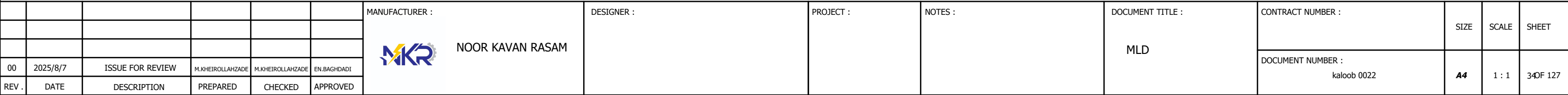


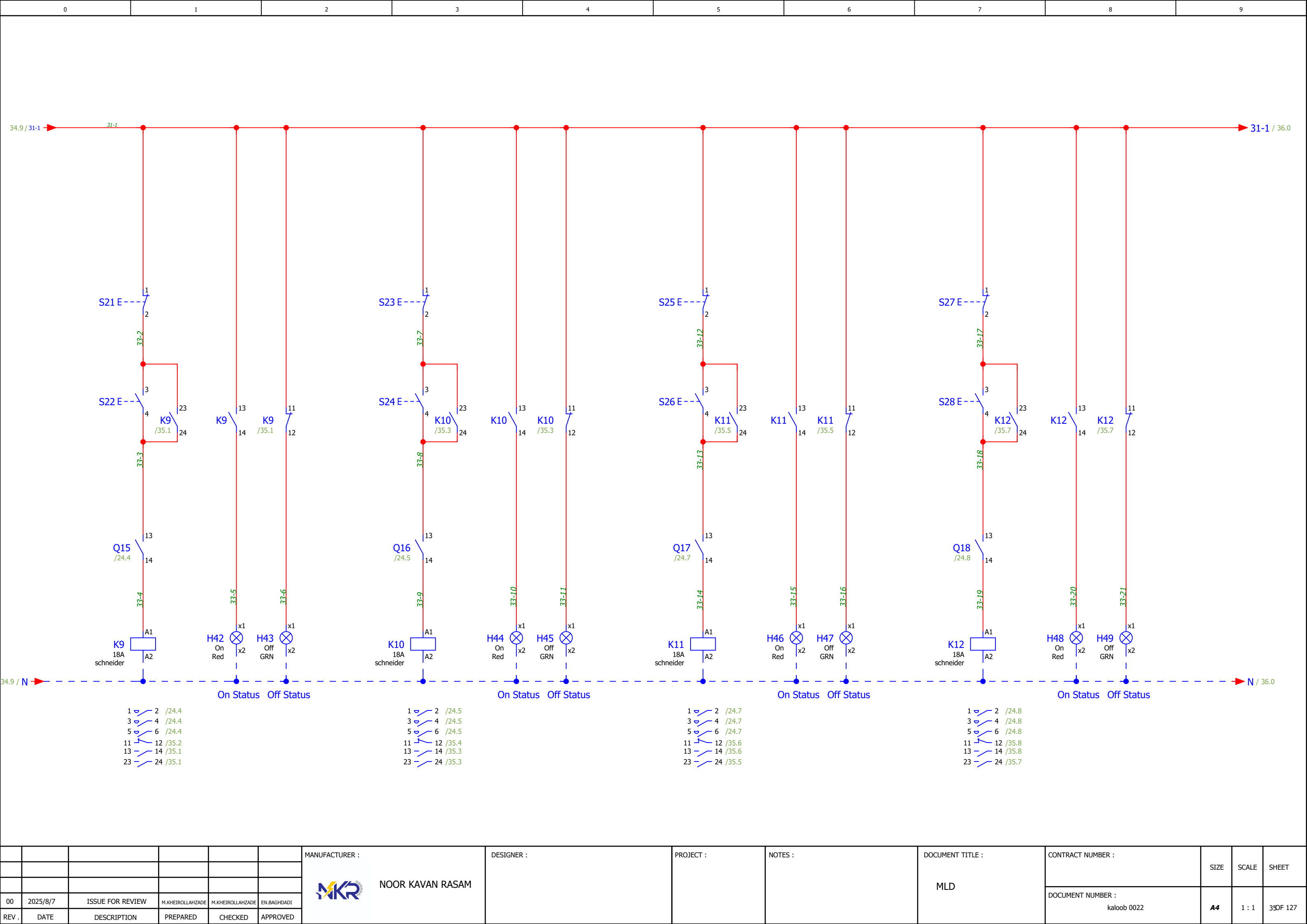
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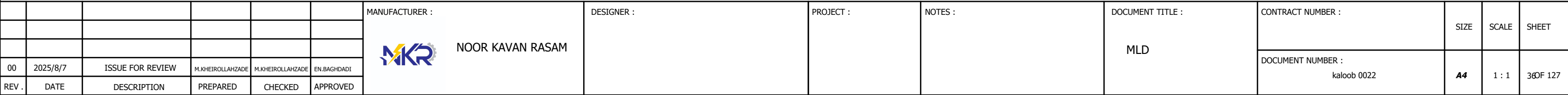


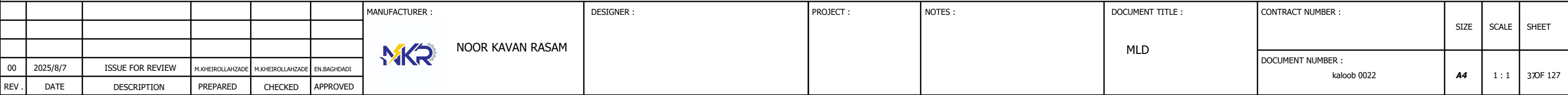
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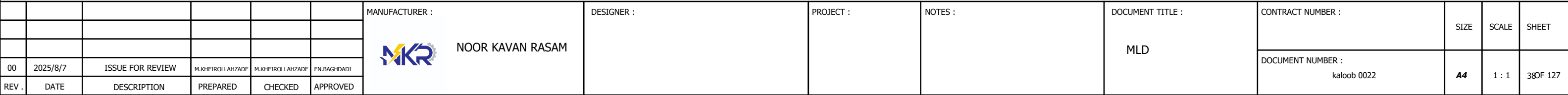


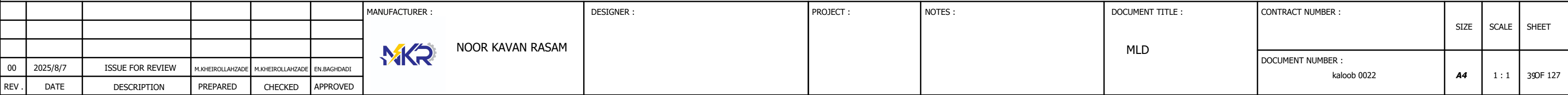


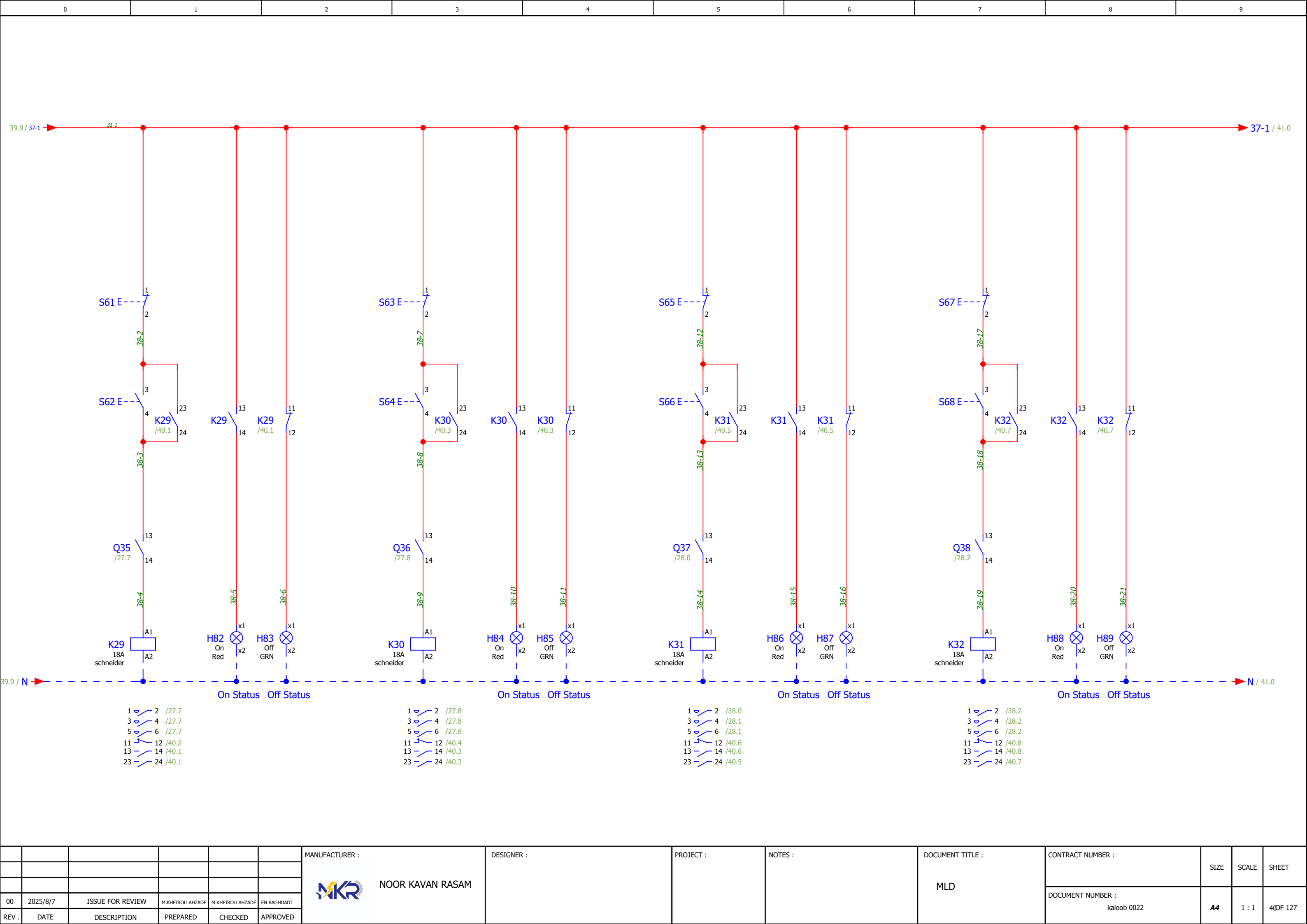
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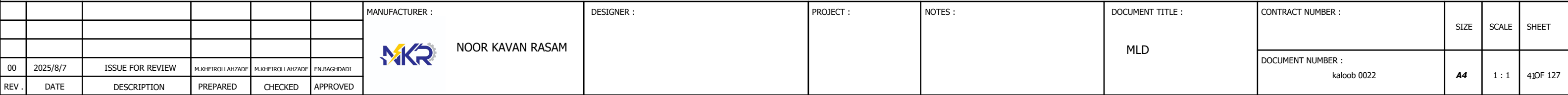


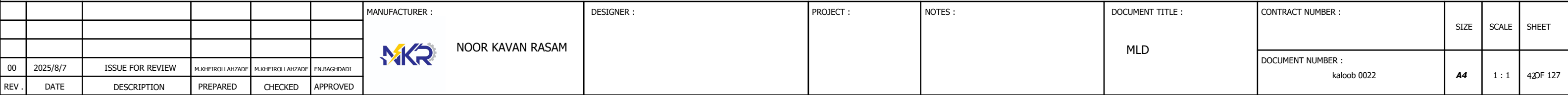


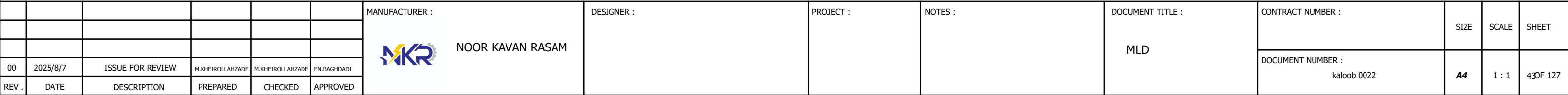


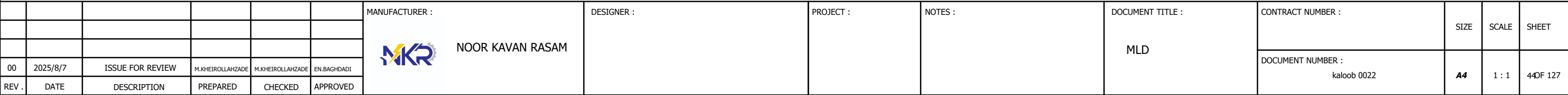


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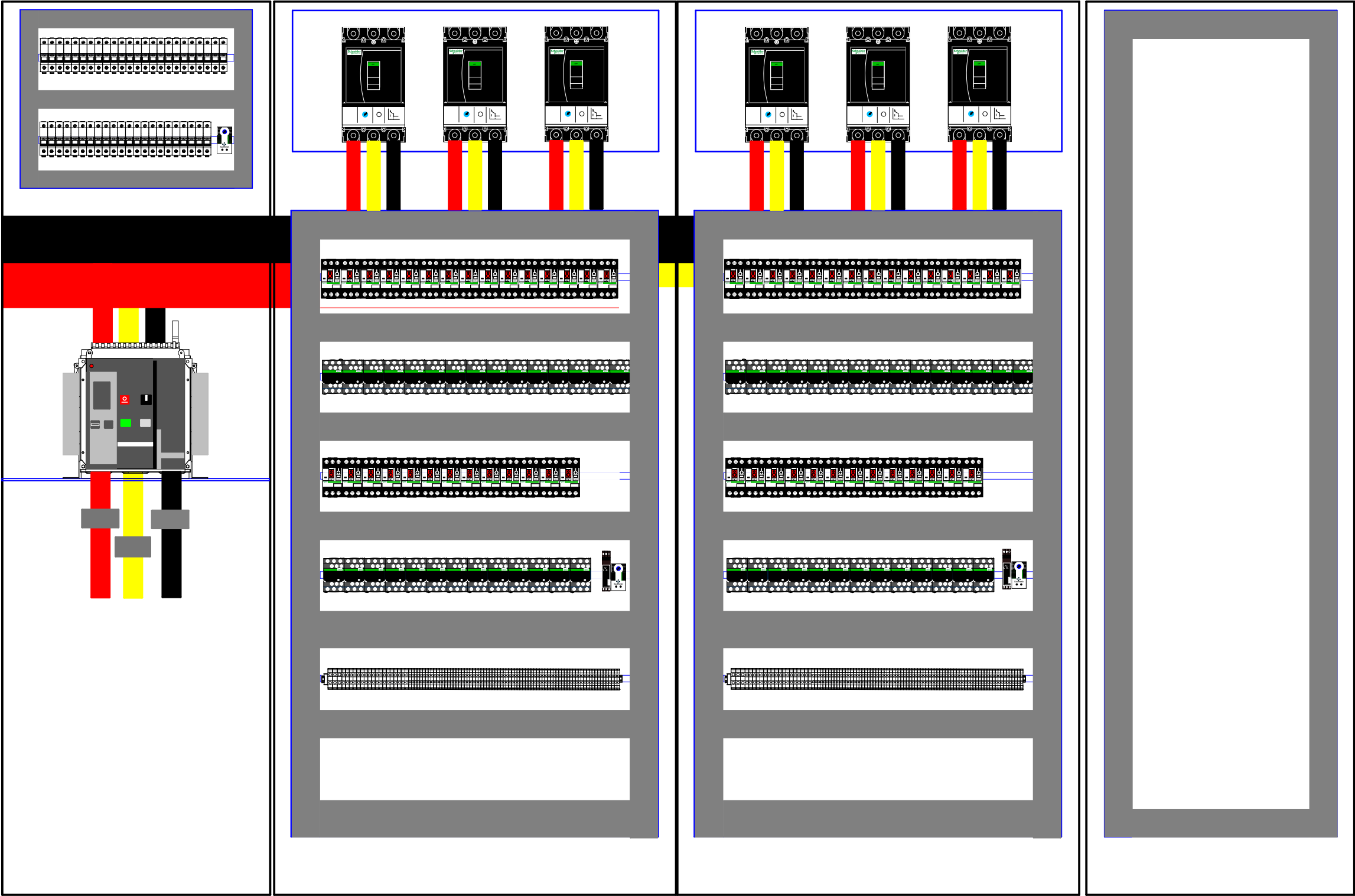






LAYOUT 2D

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00	2025/8/7	ISSUE FOR REVIEW	M.K.KHEIROLLAHZADE	M.K.KHEIROLLAHZADE	EN.BAGHDADI						DOCUMENT NUMBER : kaloob 0022	A4	1 : 1	47OF 127
REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED									



						MANUFACTURER :	DESIGNER :	PROJECT :	NOTES :	DOCUMENT TITLE :	CONTRACT NUMBER :	SIZE	SCALE	SHEET
						 NOOR KAVAN RASAM				2D LAYOUT				
00	2025/8/7	ISSUE FOR REVIEW	M.K.KHEIROLLAHZADE	M.K.KHEIROLLAHZADE	EN.BAGHDADI						DOCUMENT NUMBER : kaloob 0022	A4	1 : 1	48OF 127
REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED									



Stop

Start

On

Off

PM1

Stop

Start

On

Off

PM2

PM3

PM4

Stop

Start

On

Off

PM5

PM6

PM7

PM1

PM2

PM3

PM4

PM5

PM6

PM7

PM1

PM2

PM3

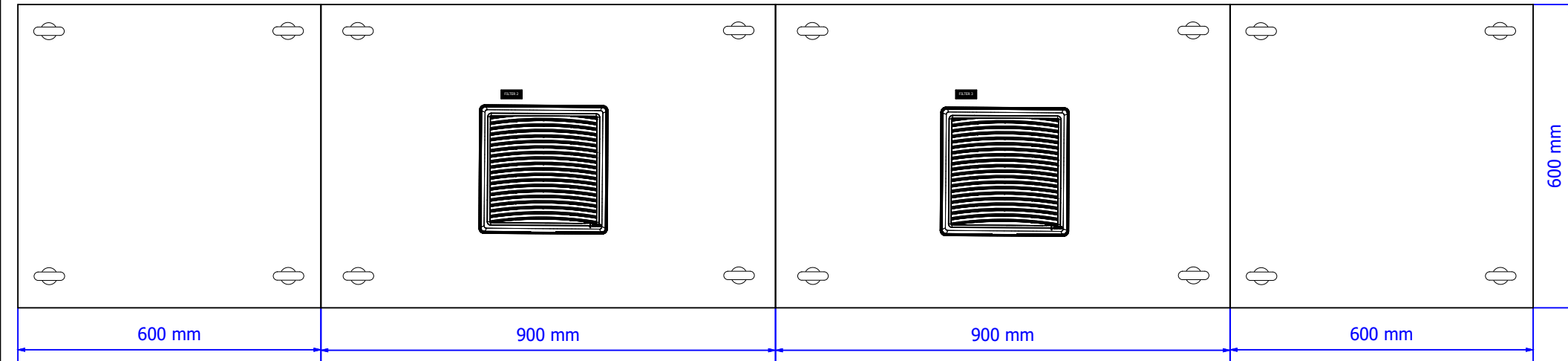
PM4

PM5

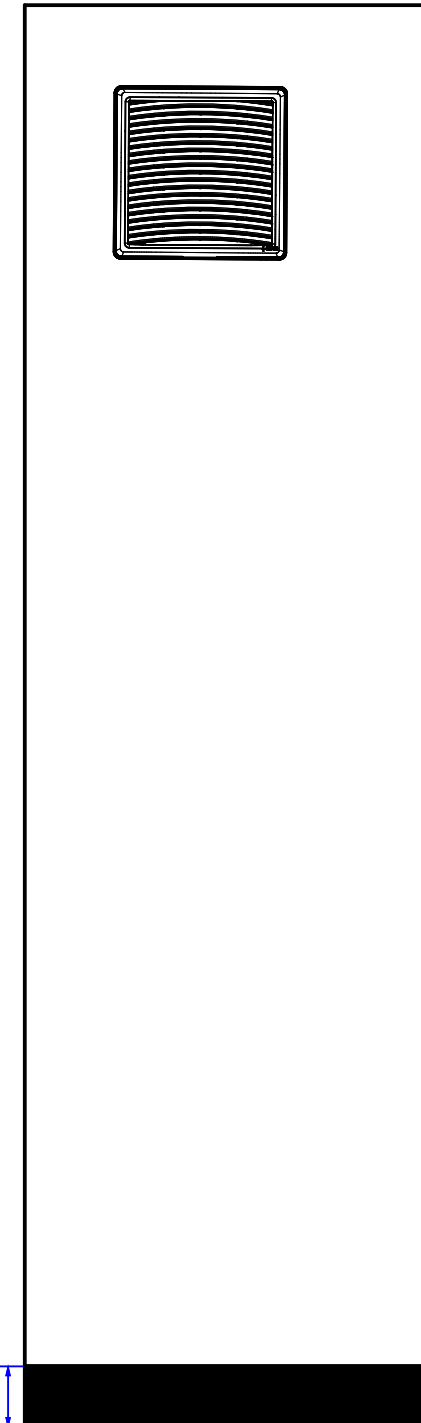
PM6

PM7

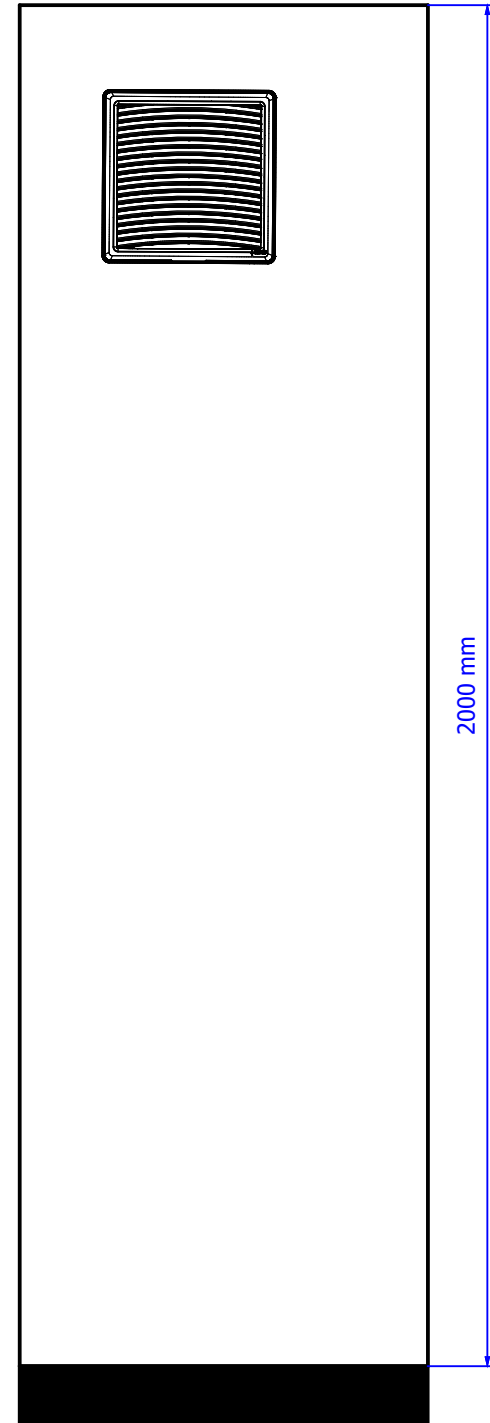
TOP VIEW



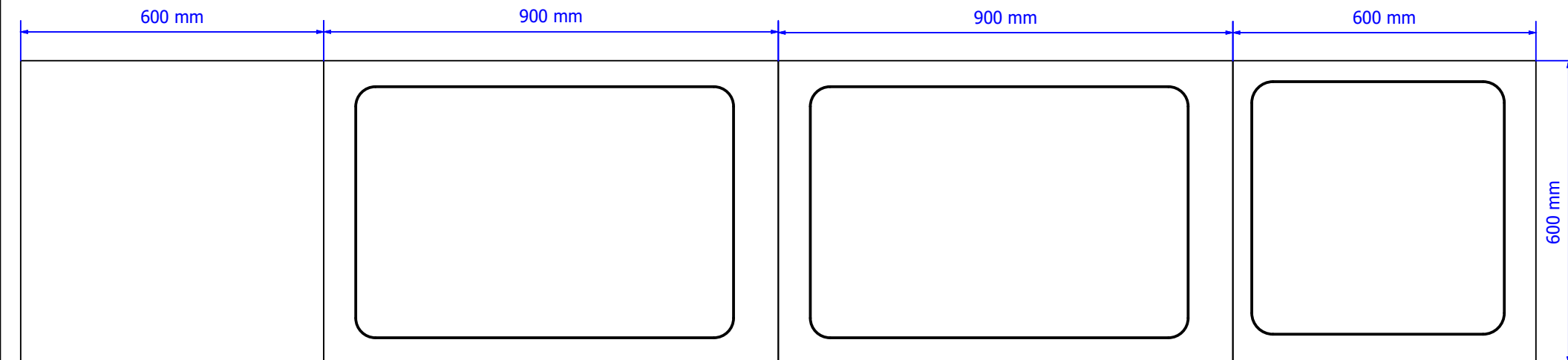
LEFT VIEW



RIGHT VIEW



BOTTOM VIEW



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00	2025/8/7	ISSUE FOR REVIEW	M.KHEIROLLAHZADE	M.KHEIROLLAHZADE	EN.BAGHDADI						DOCUMENT NUMBER : kaloob 0022	A4	1 : 1	500F 127
REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED									

Terminal diagram

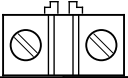
F13_003

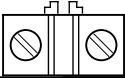
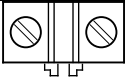
External targets

Strip

+X1-B

Internal targets

Target designation		Wiring	Jumper		Function text	Jumper		Wiring	Target designation	Placement
				 1 	10mm^2			U8	-K1:2	/21.0
				 2 	=			V8	-K1:4	/21.1
				 3 	=			W8	-K1:6	/21.1
				 4 	6mm^2			U9	-K2:2	/21.2
				 5 	=			V9	-K2:4	/21.2
				 6 	=			W9	-K2:6	/21.2
				 7 	=			U10	-K3:2	/21.4
				 8 	=			V10	-K3:4	/21.4
				 9 	=			W10	-K3:6	/21.4
				 10 	=			U11	-K4:2	/21.5
				 11 	=			V11	-K4:4	/21.5
				 12 	=			W11	-K4:6	/21.5
				 13 	=			U12	-K5:2	/21.7
				 14 	=			V12	-K5:4	/21.7
				 15 	=			W12	-K5:6	/21.7
				 16 	=			U13	-K6:2	/21.8
				 17 	=			V13	-K6:4	/21.8
				 18 	=			W13	-K6:6	/21.8
				 19 	=			U14	-K7:2	/22.0
				 20 	=			V14	-K7:4	/22.1
				 21 	=			W14	-K7:6	/22.1
				 22 	4mm^2			U15	-K8:2	/22.2
				 23 	=			V15	-K8:4	/22.2
				 24 	=			W15	-K8:6	/22.2
				 25 	=			U16	-K9:2	/22.4

0	1	2	3	4	5	6	7	8	9						
Terminal diagram							F13_003								
External targets		Strip +-X1-B			Internal targets										
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement							
			 51 	4mm^2		W24	-K17:6	/23.7							
			 52 	=		U25	-K18:2	/23.8							
			 53 	=		V25	-K18:4	/23.8							
			 54 	=		W25	-K18:6	/23.8							
			 55 	=		U27	-K19:2	/24.0							
			 56 	=		V27	-K19:4	/24.1							
			 57 	=		W27	-K19:6	/24.1							
			 58 	=		U28	-K20:2	/24.2							
			 59 	=		V28	-K20:4	/24.2							
			 60 	=		W28	-K20:6	/24.2							
			 61 	=		U29	-K21:2	/24.4							
			 62 	=		V29	-K21:4	/24.4							
			 63 	=		W29	-K21:6	/24.4							
			 64 	=		U30	-K22:2	/24.5							
			 65 	=		V30	-K22:4	/24.5							
			 66 	=		W30	-K22:6	/24.5							
			 67 	=		U31	-K23:2	/24.7							
			 68 	=		V31	-K23:4	/24.7							
			 69 	=		W31	-K23:6	/24.7							
			 70 	=		U32	-K24:2	/24.8							
			 71 	=		V32	-K24:4	/24.8							
			 72 	=		W32	-K24:6	/24.8							
															
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				 NOOR KAVAN RASAM				TERMINAL DIAGRAM							
00	2025/8/7	ISSUE FOR REVIEW	M.K.KHEIROLLAHZADE						M.K.KHEIROLLAHZADE	EN.BAGHDADI	DOCUMENT NUMBER :		A4	1 : 1	54 OF 127
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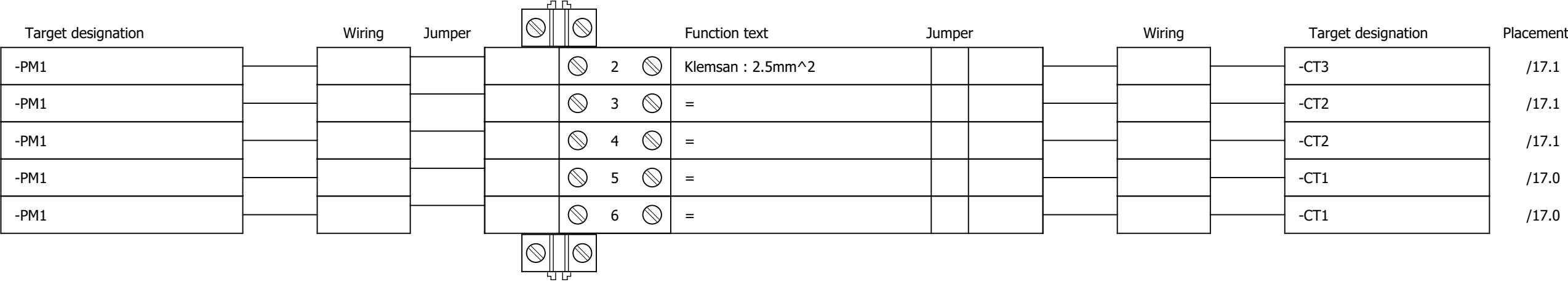
Terminal diagram

F13_003

External targets

Strip
+-XCT

Internal targets



Terminal diagram

F13_003

External targets

Internal targets

Target designation

Wiring

Jumper

Strip
+-XCT-0

Function text

Jumper

Wiring

Target designation

Placement

-PM1

1

Klemsan : 2.5mm^2

-CT3

/17.1

						MANUFACTURER :  NOOR KAVAN RASAM	DESIGNER :	PROJECT :	NOTES :	DOCUMENT TITLE : TERMINAL DIAGRAM	CONTRACT NUMBER :	SIZE	SCALE	SHEET
00	2025/8/7	ISSUE FOR REVIEW	M.KHEIROLLAHZADE	M.KHEIROLLAHZADE	EN.BAGHDADI						DOCUMENT NUMBER : kaloob 0022	A4	1 : 1	600F 127
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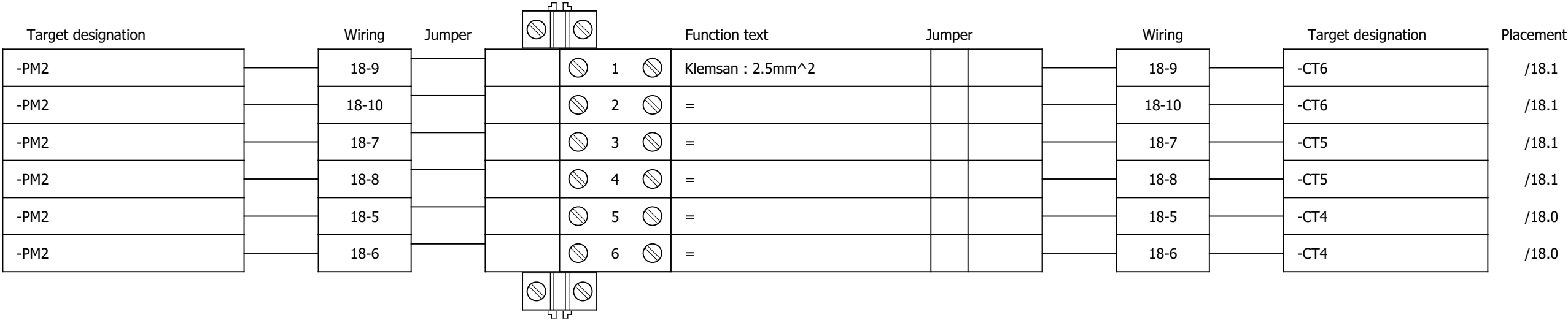
Terminal diagram

F13_003

External targets

Strip
+-XCT-1

Internal targets



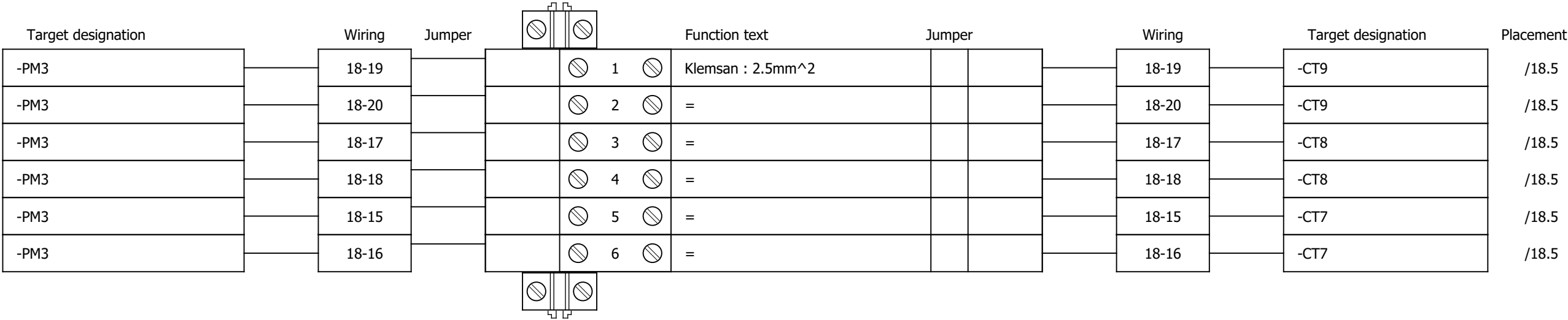
Terminal diagram

F13_003

External targets

Strip
+-XCT-2

Internal targets



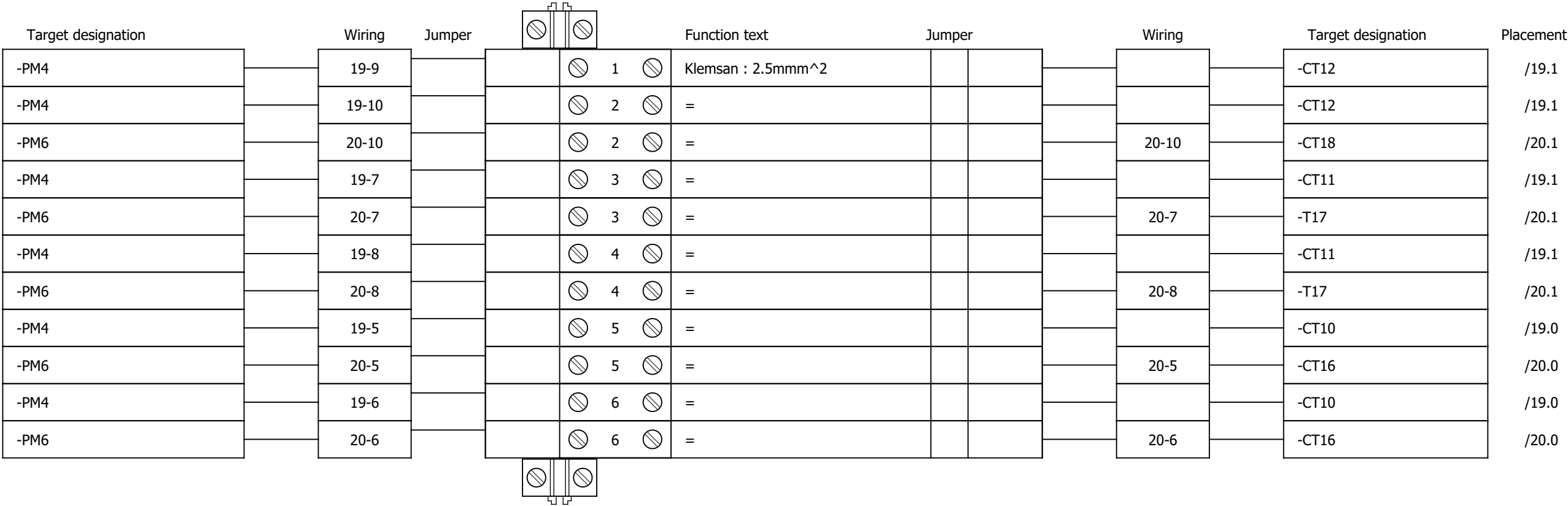
Terminal diagram

F13_003

External targets

Strip
+-XCT-3

Internal targets



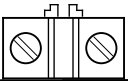
Terminal diagram

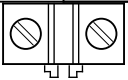
F13_003

External targets

Strip
+-XCT-4

Internal targets

Target designation		Wiring	Jumper		Function text	Jumper		Wiring	Target designation	Placement
-PM5		19-21		 1 	Klemsan : 2.5mmm^2				-CT15	/19.5
-PM5		19-22		 2 	=				-CT15	/19.5
-PM7		20-22		 2 	=			20-22	-CT21	/20.5
-PM5		19-19		 3 	=				-CT14	/19.5
-PM7		20-19		 3 	=			20-19	-CT20	/20.5
-PM5		19-20		 4 	=				-CT14	/19.5
-PM7		20-20		 4 	=			20-20	-CT20	/20.5
-PM5		19-17		 5 	=				-CT13	/19.5
-PM7		20-17		 5 	=			20-17	-CT19	/20.5
-PM5		19-18		 6 	=				-CT13	/19.5
-PM7		20-18		 6 	=			20-18	-CT19	/20.5



Terminal diagram

F13_003

External targets

Internal targets

Target designation

Wiring

Jumper

Strip
+-XCT-5

Function text

Jumper

Wiring

Target designation

Placement

-PM6

20-9

1

Klemsan : 2.5mmm^2

20-9

-CT18

/20.1

						MANUFACTURER :  NOOR KAVAN RASAM	DESIGNER :	PROJECT :	NOTES :	DOCUMENT TITLE : TERMINAL DIAGRAM	CONTRACT NUMBER :	SIZE	SCALE	SHEET
00	2025/8/7	ISSUE FOR REVIEW	M.K.KHEIROLLAHZADE	M.K.KHEIROLLAHZADE	EN.BAGHDADI						DOCUMENT NUMBER : kaloob 0022	A4	1 : 1	63 OF 127
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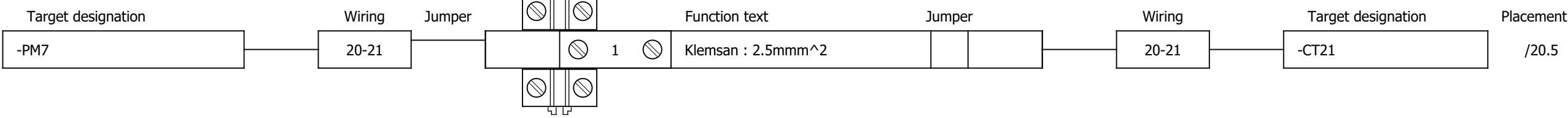
Terminal diagram

F13_003

External targets

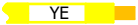
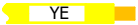
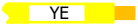
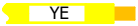
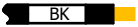
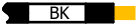
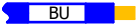
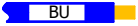
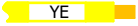
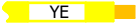
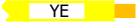
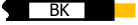
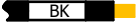
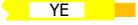
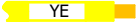
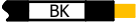
Strip
+-XCT-6

Internal targets



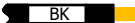
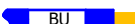
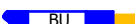
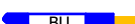
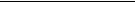
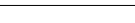
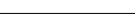
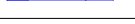
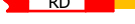
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
R	(2x80x10mm)			Conductor / wire		-R			-Q0:1		
R	1.5			Conductor / wire		-F2:1			-Q0:1		
17-6	1.5			Conductor / wire		-CT1			-XCT:6		
17-5	1.5			Conductor / wire		-CT1			-XCT:5		
17-8	1.5			Conductor / wire		-CT2			-XCT:4		
17-7	1.5			Conductor / wire		-CT2			-XCT:3		
L2	(2x80X10mm)			Conductor / wire					-Q0:4		
L2	(2x80X10mm)			Conductor / wire					-F1:3		
17-10	1.5			Conductor / wire		-CT3			-XCT:2		
17-9	1.5			Conductor / wire		-CT3			-XCT-0:1		
L3	(2x80X10mm)			Conductor / wire					-Q0:6		
L3	(2x80X10mm)			Conductor / wire					-F1:5		
17-4	1.5			Conductor / wire		-H1:x2			-H2:x2		
N	1.5			Conductor / wire		-H2:x2			-H3:x2		
17-11	1.5			Conductor / wire		-F1:2			-H1:x1		
17-6	1.5			Conductor / wire		-PM1			-XCT:6		
17-12	1.5			Conductor / wire		-F1:4			-H2:x1		
17-5	1.5			Conductor / wire		-PM1			-XCT:5		
17-8	1.5			Conductor / wire		-PM1			-XCT:4		
17-13	1.5			Conductor / wire		-F1:6			-H3:x1		
17-7	1.5			Conductor / wire		-PM1			-XCT:3		
17-10	1.5			Conductor / wire		-PM1			-XCT:2		
17-9	1.5			Conductor / wire		-PM1			-XCT-0:1		
17-14	1.5			Conductor / wire		-F2:2			-PM1-R		
17-15	1.5			Conductor / wire		-F2:4			-PM1-S		
17-2	1.5			Conductor / wire		-F2:3			-Q0:3		
17-16	1.5			Conductor / wire		-F2:6			-PM1-T		

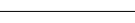
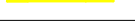
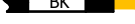
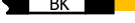
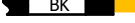
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
17-3	1.5			Conductor / wire		-F2:5			-Q0:5		
17-19	1.5			Conductor / wire		-H4:x2			-H5:x2		
17-19	1.5			Conductor / wire		-H5:x2			-H6:x2		
17-19	1.5			Conductor / wire		-H6:x2			-H7:x2		
17-19	1.5			Conductor / wire		-F3:4			-H7:x2		
17-18	1.5			Conductor / wire		-H4:x1			-S1:NC		
17-17	1.5			Conductor / wire		-F3:2			-S1:COM		
17-17	1.5			Conductor / wire		-S1:COM			-S2:COM		
17-17	1.5			Conductor / wire		-S2:COM			-S3:COM		
17-17	1.5			Conductor / wire		-S3:COM			-S4:COM		
R				Conductor / wire		-F3:1			-F4:1		
17-20	1.5			Conductor / wire		-H5:x1			-S2:NC		
17-21	1.5			Conductor / wire		-H6:x1			-S3:NC		
17-22	1.5			Conductor / wire		-H7:x1			-S4:NC		
PE	1.5			Conductor / wire		-Fan1:PE			-PM1-N		
17-24	1.5			Conductor / wire		-Fan1:2			-Fan2:2		
17-24	1.5			Conductor / wire		-Fan2:2			-Fan3:2		
17-24	1.5			Conductor / wire		-Fan3:2			-Fan4:2		
17-24	1.5			Conductor / wire		-F4:4			-Fan4:2		
17-23	1.5			Conductor / wire		-B1:14			-Fan1:1		
17-25	1.5			Conductor / wire		-B1:13			-F4:2		
17-25	1.5			Conductor / wire		-B1:13			-B2:13		
17-25	1.5			Conductor / wire		-B2:13			-B3:13		
17-25	1.5			Conductor / wire		-B3:13			-B4:13		
PE	1.5			Conductor / wire		-Fan2:PE			-PM1-N		
17-26	1.5			Conductor / wire		-B2:14			-Fan2:1		
PE	1.5			Conductor / wire		-Fan3:PE			-PM1-N		

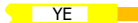
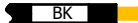
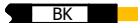
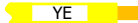
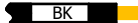
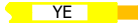
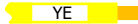
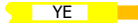
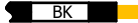
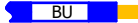
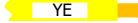
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
17-27	1.5			Conductor / wire		-B3:14			-Fan3:1		
PE	1.5			Conductor / wire		-Fan4:PE			-PM1-N		
17-27	1.5			Conductor / wire		-B4:14			-Fan4:1		
R1	30x10mm			Conductor / wire		-R1			-Q1:1		
18-6	1.5			Conductor / wire		-CT4			-XCT-1:6		
18-5	1.5			Conductor / wire		-CT4			-XCT-1:5		
R1	30x10mm			Conductor / wire		-Q1:1			-Q2:1		
18-8	1.5			Conductor / wire		-CT5			-XCT-1:4		
18-7	1.5			Conductor / wire		-CT5			-XCT-1:3		
S2	30x10mm			Conductor / wire					-Q1:4		
18-10	1.5			Conductor / wire		-CT6			-XCT-1:2		
18-9	1.5			Conductor / wire		-CT6			-XCT-1:1		
T2	30x10mm			Conductor / wire					-Q1:6		
N	1.5			Conductor / wire		-H8:x2			-H9:x2		
N	1.5			Conductor / wire		-H9:x2			-H10:x2		
18-11	1.5			Conductor / wire		-F5:2			-H8:x1		
18-1	1.5			Conductor / wire		-F5:1			-Q1:1		
R1	1.5			Direct connection		-F5:1			-F6:1		
18-12	1.5			Conductor / wire		-F5:4			-H9:x1		
18-2	1.5			Conductor / wire		-F5:3			-Q1:3		
S1	1.5			Direct connection		-F5:3			-F6:3		
18-6	1.5			Conductor / wire		-PM2			-XCT-1:6		
18-5	1.5			Conductor / wire		-PM2			-XCT-1:5		
18-13	1.5			Conductor / wire		-F5:6			-H10:x1		
18-3	1.5			Conductor / wire		-F5:5			-Q1:5		
T1	1.5			Direct connection		-F5:5			-F6:5		
18-8	1.5			Conductor / wire		-PM2			-XCT-1:4		

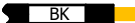
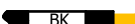
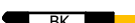
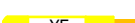
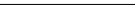
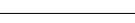
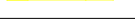
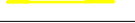
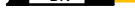
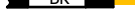
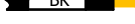
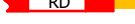
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
18-7	1.5			Conductor / wire		-PM2			-XCT-1:3		
18-10	1.5			Conductor / wire		-PM2			-XCT-1:2		
18-9	1.5			Conductor / wire		-PM2			-XCT-1:1		
18-14	1.5			Conductor / wire		-F6:2			-PM2-R		
18-15	1.5			Conductor / wire		-F6:4			-PM2-S		
18-15	1.5			Conductor / wire		-PHC1-L2			-PM2-S		
18-16	1.5			Conductor / wire		-F6:6			-PM2-T		
18-16	1.5			Conductor / wire		-PHC1-L3			-PM2-T		
18-14	1.5			Conductor / wire		-PHC1-L1			-PM2-R		
18-18	1.5			Conductor / wire		-CT7			-XCT-2:6		
18-17	1.5			Conductor / wire		-CT7			-XCT-2:5		
18-20	1.5			Conductor / wire		-CT8			-XCT-2:4		
18-19	1.5			Conductor / wire		-CT8			-XCT-2:3		
S3	30x10mm			Conductor / wire					-Q2:4		
18-22	1.5			Conductor / wire		-CT9			-XCT-2:2		
18-21	1.5			Conductor / wire		-CT9			-XCT-2:1		
T3	30x10mm			Conductor / wire					-Q2:6		
N	1.5			Conductor / wire		-H11:x2			-H12:x2		
N	1.5			Conductor / wire		-H12:x2			-H13:x2		
				Conductor / wire		-F7:2			-H11:x1		
18-1	1.5			Conductor / wire		-F7:1			-Q2:1		
R1	1.5			Direct connection		-F7:1			-F8:1		
				Conductor / wire		-F7:4			-H12:x1		
18-2	1.5			Conductor / wire		-F7:3			-Q2:3		
S1	1.5			Direct connection		-F7:3			-F8:3		
18-18	1.5			Conductor / wire		-PM3			-XCT-2:6		
18-17	1.5			Conductor / wire		-PM3			-XCT-2:5		

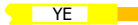
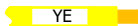
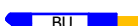
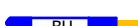
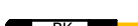
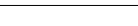
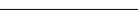
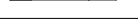
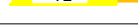
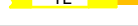
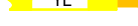
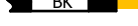
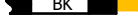
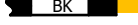
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
				Conductor / wire		-F7:6			-H13:x1		
18-3	1.5			Conductor / wire		-F7:5			-Q2:5		
T1	1.5			Direct connection		-F7:5			-F8:5		
18-20	1.5			Conductor / wire		-PM3			-XCT-2:4		
18-19	1.5			Conductor / wire		-PM3			-XCT-2:3		
18-22	1.5			Conductor / wire		-PM3			-XCT-2:2		
18-21	1.5			Conductor / wire		-PM3			-XCT-2:1		
18-26	1.5			Conductor / wire		-F8:2			-PM3-R		
18-27	1.5			Conductor / wire		-F8:4			-PM3-S		
18-27	1.5			Conductor / wire		-PHC2-L2			-PM3-S		
18-28	1.5			Conductor / wire		-F8:6			-PM3-T		
18-28	1.5			Conductor / wire		-PHC2-L3			-PM3-T		
18-26	1.5			Conductor / wire		-PHC2-L1			-PM3-R		
R1	30x10mm			Conductor / wire		-R1			-Q2:1		
R1	30x10mm2			Conductor / wire		-R1			-Q3:1		
R1	1.5			Conductor / wire		-F9:1			-Q3:1		
19-6	1.5			Conductor / wire		-CT10			-XCT-3:6		
19-5	1.5			Conductor / wire		-CT10			-XCT-3:5		
19-8	1.5			Conductor / wire		-CT11			-XCT-3:4		
19-7	1.5			Conductor / wire		-CT11			-XCT-3:3		
S4	30x10mm			Conductor / wire					-Q3:4		
19-10	1.5			Conductor / wire		-CT12			-XCT-3:2		
19-9	1.5			Conductor / wire		-CT12			-XCT-3:1		
T4	30x10mm			Conductor / wire					-Q3:6		
19-11	1.5			Conductor / wire		-F9:2			-H14:x1		
R1	1.5			Direct connection		-F9:1			-F10:1		
19-12	1.5			Conductor / wire		-F9:4			-H15:x1		

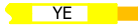
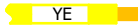
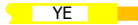
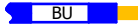
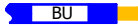
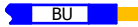
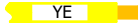
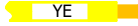
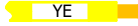
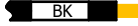
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
S1	1.5			Conductor / wire		-F9:3			-Q3:3		
S1	1.5			Direct connection		-F9:3			-F10:3		
19-6	1.5			Conductor / wire		-PM4			-XCT-3:6		
19-5	1.5			Conductor / wire		-PM4			-XCT-3:5		
N	1.5			Conductor / wire		-H15:x2			-H16:x2		
N	1.5			Conductor / wire		-H14:x2			-H15:x2		
N	1.5			Conductor / wire		-H14:x2			-PM4-N		
19-13	1.5			Conductor / wire		-F9:6			-H16:x1		
T1	1.5			Conductor / wire		-F9:5			-Q3:5		
T1	1.5			Direct connection		-F9:5			-F10:5		
19-8	1.5			Conductor / wire		-PM4			-XCT-3:4		
19-7	1.5			Conductor / wire		-PM4			-XCT-3:3		
19-10	1.5			Conductor / wire		-PM4			-XCT-3:2		
19-9	1.5			Conductor / wire		-PM4			-XCT-3:1		
19-14	1.5			Conductor / wire		-F10:2			-PM4-R		
19-15	1.5			Conductor / wire		-F10:4			-PM4-S		
19-16	1.5			Conductor / wire		-F10:6			-PM4-T		
19-18	1.5			Conductor / wire		-CT13			-XCT-4:6		
19-17	1.5			Conductor / wire		-CT13			-XCT-4:5		
19-20	1.5			Conductor / wire		-CT14			-XCT-4:4		
19-19	1.5			Conductor / wire		-CT14			-XCT-4:3		
S5	30x10mm			Conductor / wire					-Q4:4		
19-22	1.5			Conductor / wire		-CT15			-XCT-4:2		
19-21	1.5			Conductor / wire		-CT15			-XCT-4:1		
T5	30x10mm			Conductor / wire					-Q4:6		
19-23	1.5			Conductor / wire		-F11:2			-H17:x1		
R1	1.5			Conductor / wire		-F11:1			-Q4:1		

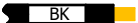
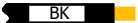
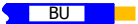
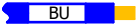
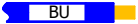
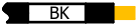
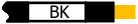
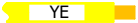
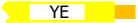
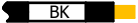
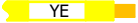
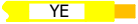
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
R1	1.5			Direct connection		-F11:1			-F12:1		
19-24	1.5			Conductor / wire		-F11:4			-H18:x1		
S1	1.5			Conductor / wire		-F11:3			-Q4:3		
S1	1.5			Direct connection		-F11:3			-F12:3		
19-18	1.5			Conductor / wire		-PM5			-XCT-4:6		
19-17	1.5			Conductor / wire		-PM5			-XCT-4:5		
N	1.5			Conductor / wire		-H18:x2			-H19:x2		
N	1.5			Conductor / wire		-H17:x2			-H18:x2		
N	1.5			Conductor / wire		-H17:x2			-PM5-N		
19-25	1.5			Conductor / wire		-F11:6			-H19:x1		
T1	1.5			Conductor / wire		-F11:5			-Q4:5		
T1	1.5			Direct connection		-F11:5			-F12:5		
19-20	1.5			Conductor / wire		-PM5			-XCT-4:4		
19-19	1.5			Conductor / wire		-PM5			-XCT-4:3		
19-22	1.5			Conductor / wire		-PM5			-XCT-4:2		
19-21	1.5			Conductor / wire		-PM5			-XCT-4:1		
19-26	1.5			Conductor / wire		-F12:2			-PM5-R		
19-27	1.5			Conductor / wire		-F12:4			-PM5-S		
19-28	1.5			Conductor / wire		-F12:6			-PM5-T		
R1	30x10mm			Conductor / wire		-R1			-Q5:1		
R1	1.5			Conductor / wire		-F13:1			-Q5:1		
20-6	1.5			Conductor / wire		-CT16			-XCT-3:6		
20-5	1.5			Conductor / wire		-CT16			-XCT-3:5		
20-8	1.5			Conductor / wire		-T17			-XCT-3:4		
20-7	1.5			Conductor / wire		-T17			-XCT-3:3		
S6	30x10mm			Conductor / wire					-Q5:4		
20-10	1.5			Conductor / wire		-CT18			-XCT-3:2		

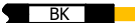
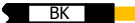
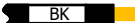
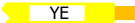
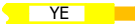
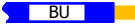
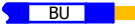
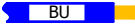
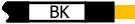
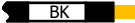
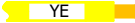
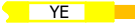
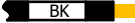
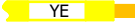
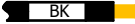
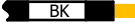
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
20-9	1.5			Conductor / wire		-CT18			-XCT-5:1		
T6	30x10mm			Conductor / wire					-Q5:6		
20-11	1.5			Conductor / wire		-F13:2			-H20:x1		
R1	1.5			Direct connection		-F13:1			-F14:1		
20-12	1.5			Conductor / wire		-F13:4			-H21:x1		
S1	1.5			Conductor / wire		-F13:3			-Q5:3		
S1	1.5			Direct connection		-F13:3			-F14:3		
20-6	1.5			Conductor / wire		-PM6			-XCT-3:6		
20-5	1.5			Conductor / wire		-PM6			-XCT-3:5		
N	1.5			Conductor / wire		-H21:x2			-H22:x2		
N	1.5			Conductor / wire		-H20:x2			-H21:x2		
N	1.5			Conductor / wire		-H20:x2			-PM6-N		
20-13	1.5			Conductor / wire		-F13:6			-H22:x1		
T1	1.5			Conductor / wire		-F13:5			-Q5:5		
T1	1.5			Direct connection		-F13:5			-F14:5		
20-8	1.5			Conductor / wire		-PM6			-XCT-3:4		
20-7	1.5			Conductor / wire		-PM6			-XCT-3:3		
20-10	1.5			Conductor / wire		-PM6			-XCT-3:2		
20-9	1.5			Conductor / wire		-PM6			-XCT-5:1		
20-14	1.5			Conductor / wire		-F14:2			-PM6-R		
20-15	1.5			Conductor / wire		-F14:4			-PM6-S		
20-16	1.5			Conductor / wire		-F14:6			-PM6-T		
20-18	1.5			Conductor / wire		-CT19			-XCT-4:6		
20-17	1.5			Conductor / wire		-CT19			-XCT-4:5		
20-20	1.5			Conductor / wire		-CT20			-XCT-4:4		
20-19	1.5			Conductor / wire		-CT20			-XCT-4:3		
S7	30x10mm	Y7		Conductor / wire					-Q6:4		

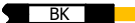
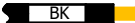
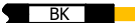
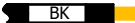
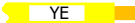
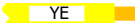
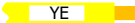
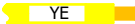
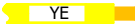
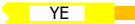
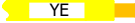
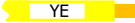
Connection list

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Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
20-22	1.5			Conductor / wire		-CT21			-XCT-4:2		
20-21	1.5			Conductor / wire		-CT21			-XCT-6:1		
T7	30x10mm			Conductor / wire					-Q6:6		
20-23	1.5			Conductor / wire		-F15:2			-H23:x1		
R1	1.5			Conductor / wire		-F15:1			-Q6:1		
R1	1.5			Direct connection		-F15:1			-F16:1		
20-24	1.5			Conductor / wire		-F15:4			-H24:x1		
S1	1.5			Conductor / wire		-F15:3			-Q6:3		
S1	1.5			Direct connection		-F15:3			-F16:3		
20-18	1.5			Conductor / wire		-PM7			-XCT-4:6		
20-17	1.5			Conductor / wire		-PM7			-XCT-4:5		
N	1.5			Conductor / wire		-H24:x2			-H25:x2		
N	1.5			Conductor / wire		-H23:x2			-H24:x2		
N	1.5			Conductor / wire		-H23:x2			-PM7-N		
20-25	1.5			Conductor / wire		-F15:6			-H25:x1		
T1	1.5			Conductor / wire		-F15:5			-Q6:5		
T1	1.5			Direct connection		-F15:5			-F16:5		
20-20	1.5			Conductor / wire		-PM7			-XCT-4:4		
20-19	1.5			Conductor / wire		-PM7			-XCT-4:3		
20-22	1.5			Conductor / wire		-PM7			-XCT-4:2		
20-21	1.5			Conductor / wire		-PM7			-XCT-6:1		
20-26	1.5			Conductor / wire		-F16:2			-PM7-R		
20-27	1.5			Conductor / wire		-F16:4			-PM7-S		
20-28	1.5			Conductor / wire		-F16:6			-PM7-T		
T2	6mm2			Conductor / wire		-T2			-Q7:5		
T2	6mm2			Conductor / wire		-Q7:5			-Q8:5		
T2	4mm2			Conductor / wire		-Q8:5			-Q9:5		

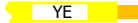
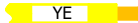
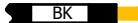
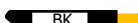
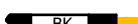
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
T2	4mm2			Conductor / wire		-Q9:5			-Q10:5		
T2	4mm2			Conductor / wire		-Q10:5			-Q11:5		
T2	4mm2			Conductor / wire		-Q11:5			-Q12:5		
T2	4mm2			Conductor / wire		-T2			-Q12:5		
S2	6mm2			Conductor / wire		-S2			-Q7:3		
S2	6mm2			Conductor / wire		-Q7:3			-Q8:3		
S2	4mm2			Conductor / wire		-Q8:3			-Q9:3		
S2	4mm2			Conductor / wire		-Q9:3			-Q10:3		
S2	4mm2			Conductor / wire		-Q10:3			-Q11:3		
S2	4mm2			Conductor / wire		-Q11:3			-Q12:3		
S2	4mm2			Conductor / wire		-S2			-Q12:3		
R2	6mm2			Conductor / wire		-R2			-Q7:1		
R2	6mm2			Conductor / wire		-Q7:1			-Q8:1		
R2	4mm2			Conductor / wire		-Q8:1			-Q9:1		
R2	4mm2			Conductor / wire		-Q9:1			-Q10:1		
R2	4mm2			Conductor / wire		-Q10:1			-Q11:1		
R2	4mm2			Conductor / wire		-Q11:1			-Q12:1		
R2	4mm2			Conductor / wire		-R2			-Q12:1		
U8	6			Conductor / wire		-K1:2			-X1-B:1:Klemsan		
R8	6			Conductor / wire		-K1:1			-Q7:2		
	6mm^2			Conductor / wire					-X1-B:2		
V8	6			Conductor / wire		-K1:4			-X1-B:2:Klemsan		
S8	6			Conductor / wire		-K1:3			-Q7:4		
	6mm^2			Conductor / wire					-X1-B:3		
W8				Conductor / wire		-K1:6			-X1-B:3:Klemsan		
T8				Conductor / wire		-K1:5			-Q7:6		
U9	4			Conductor / wire		-K2:2			-X1-B:4:Klemsan		

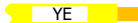
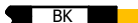
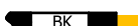
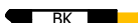
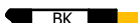
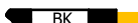
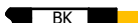
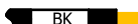
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
R9	4			Conductor / wire		-K2:1			-Q8:2		
	4mm^2			Conductor / wire					-X1-B:5		
V9	4			Conductor / wire		-K2:4			-X1-B:5:Klemsan		
S9	4			Conductor / wire		-K2:3			-Q8:4		
	4mm^2			Conductor / wire					-X1-B:6		
W9	4			Conductor / wire		-K2:6			-X1-B:6:Klemsan		
T9	4			Conductor / wire		-K2:5			-Q8:6		
U10	4			Conductor / wire		-K3:2			-X1-B:7:Klemsan		
R10	4			Conductor / wire		-K3:1			-Q9:2		
	4mm^2			Conductor / wire					-X1-B:8		
V10	4			Conductor / wire		-K3:4			-X1-B:8:Klemsan		
S10	4			Conductor / wire		-K3:3			-Q9:4		
	4mm^2			Conductor / wire					-X1-B:9		
W10	4			Conductor / wire		-K3:6			-X1-B:9:Klemsan		
T10	4			Conductor / wire		-K3:5			-Q9:6		
U11	4			Conductor / wire		-K4:2			-X1-B:10:Klemsan		
R11	4			Conductor / wire		-K4:1			-Q10:2		
	4mm^2			Conductor / wire					-X1-B:11		
V11	4			Conductor / wire		-K4:4			-X1-B:11:Klemsan		
S11	4			Conductor / wire		-K4:3			-Q10:4		
	4mm^2			Conductor / wire					-X1-B:12		
W11	4			Conductor / wire		-K4:6			-X1-B:12:Klemsan		
T11	4			Conductor / wire		-K4:5			-Q10:6		
U12	4			Conductor / wire		-K5:2			-X1-B:13:Klemsan		
R12	4			Conductor / wire		-K5:1			-Q11:2		
	4mm^2			Conductor / wire					-X1-B:14		
V12	4			Conductor / wire		-K5:4			-X1-B:14:Klemsan		

Connection list

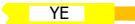
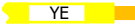
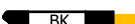
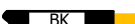
F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
S12	4			Conductor / wire		-K5:3			-Q11:4		
	4mm^2			Conductor / wire					-X1-B:15		
W12	4			Conductor / wire		-K5:6			-X1-B:15:Klemsan		
T12	4			Conductor / wire		-K5:5			-Q11:6		
U13	4			Conductor / wire		-K6:2			-X1-B:16:Klemsan		
R13	4			Conductor / wire		-K6:1			-Q12:2		
	4mm^2			Conductor / wire					-X1-B:17		
V13	4			Conductor / wire		-K6:4			-X1-B:17:Klemsan		
S13	4			Conductor / wire		-K6:3			-Q12:4		
	4mm^2			Conductor / wire					-X1-B:18		
W13	4			Conductor / wire		-K6:6			-X1-B:18:Klemsan		
T13	4			Conductor / wire		-K6:5			-Q12:6		
T2	4mm2			Conductor / wire		-T2			-Q13:5		
T2	4mm2			Conductor / wire		-Q13:5			-Q14:5		
T2	2.5mm2			Conductor / wire		-Q14:5			-Q15:5		
T2	2.5mm2			Conductor / wire		-Q15:5			-Q16:5		
T2	2.5mm2			Conductor / wire		-Q16:5			-Q17:5		
T2	2.5mm2			Conductor / wire		-Q17:5			-Q18:5		
T2	2.5mm2			Conductor / wire		-T2			-Q18:5		
S2	4mm2			Conductor / wire		-S2			-Q13:3		
S2	4mm2			Conductor / wire		-Q13:3			-Q14:3		
S2	2.5mm2			Conductor / wire		-Q14:3			-Q15:3		
S2	2.5mm2			Conductor / wire		-Q15:3			-Q16:3		
S2	2.5mm2			Conductor / wire		-Q16:3			-Q17:3		
S2	2.5mm2			Conductor / wire		-Q17:3			-Q18:3		
S2	2.5mm2			Conductor / wire		-S2			-Q18:3		
R2	4mm2			Conductor / wire		-R2			-Q13:1		

						MANUFACTURER :  NOOR KAVAN RASAM	DESIGNER :	PROJECT :	NOTES :	DOCUMENT TITLE : CONNECTION LIST	CONTRACT NUMBER :	SIZE	SCALE	SHEET
00	2025/8/7	ISSUE FOR REVIEW	M.KHEIROLLAHZADE	M.KHEIROLLAHZADE	EN.BAGHDADI						DOCUMENT NUMBER : kaloob 0022	A4	1 : 1	78OF 127
REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED									

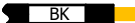
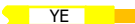
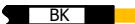
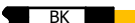
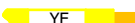
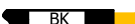
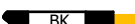
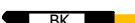
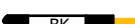
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
R2	4mm2			Conductor / wire		-Q13:1			-Q14:1		
R2	2.5mm2			Conductor / wire		-Q14:1			-Q15:1		
R2	2.5mm2			Conductor / wire		-Q15:1			-Q16:1		
R2	2.5mm2			Conductor / wire		-Q16:1			-Q17:1		
R2	2.5mm2			Conductor / wire		-Q17:1			-Q18:1		
R2	2.5mm2			Conductor / wire		-R2			-Q18:1		
U14	4			Conductor / wire		-K7:2			-X1-B:19		
R14	4			Conductor / wire		-K7:1			-Q13:2		
	4mm^2			Conductor / wire					-X1-B:20		
V14	4			Conductor / wire		-K7:4			-X1-B:20		
S14	4			Conductor / wire		-K7:3			-Q13:4		
	4mm^2			Conductor / wire					-X1-B:21		
W14	4			Conductor / wire		-K7:6			-X1-B:21		
T14	4			Conductor / wire		-K7:5			-Q13:6		
U15	2.5			Conductor / wire		-K8:2			-X1-B:22		
R15	2.5			Conductor / wire		-K8:1			-Q14:2		
	2.5mm^2			Conductor / wire					-X1-B:23		
V15	2.5			Conductor / wire		-K8:4			-X1-B:23		
S15	2.5			Conductor / wire		-K8:3			-Q14:4		
	2.5mm^2			Conductor / wire					-X1-B:24		
W15	2.5			Conductor / wire		-K8:6			-X1-B:24		
T15	2.5			Conductor / wire		-K8:5			-Q14:6		
U16	2.5			Conductor / wire		-K9:2			-X1-B:25		
R16	2.5			Conductor / wire		-K9:1			-Q15:2		
	2.5mm^2			Conductor / wire					-X1-B:26		
V16	2.5			Conductor / wire		-K9:4			-X1-B:26		
S16	2.5			Conductor / wire		-K9:3			-Q15:4		

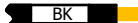
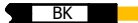
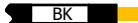
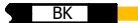
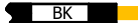
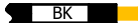
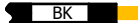
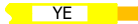
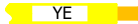
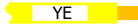
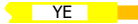
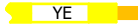
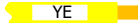
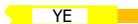
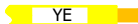
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
	2.5mm^2			Conductor / wire					-X1-B:27		
W16	2.5			Conductor / wire		-K9:6			-X1-B:27		
T16	2.5			Conductor / wire		-K9:5			-Q15:6		
U17	2.5			Conductor / wire		-K10:2			-X1-B:28		
R17	2.5			Conductor / wire		-K10:1			-Q16:2		
	2.5mm^2			Conductor / wire					-X1-B:29		
V17	2.5			Conductor / wire		-K10:4			-X1-B:29		
S17	2.5			Conductor / wire		-K10:3			-Q16:4		
	2.5mm^2			Conductor / wire					-X1-B:30		
W17	2.5			Conductor / wire		-K10:6			-X1-B:30		
T17	2.5			Conductor / wire		-K10:5			-Q16:6		
U18	2.5			Conductor / wire		-K11:2			-X1-B:31		
R18	2.5			Conductor / wire		-K11:1			-Q17:2		
	2.5mm^2			Conductor / wire					-X1-B:32		
V18	2.5			Conductor / wire		-K11:4			-X1-B:32		
S18	2.5			Conductor / wire		-K11:3			-Q17:4		
	2.5mm^2			Conductor / wire					-X1-B:33		
W18	2.5			Conductor / wire		-K11:6			-X1-B:33		
T18	2.5			Conductor / wire		-K11:5			-Q17:6		
U19	2.5			Conductor / wire		-K12:2			-X1-B:34		
R19	2.5			Conductor / wire		-K12:1			-Q18:2		
	2.5mm^2			Conductor / wire					-X1-B:35		
V19	2.5			Conductor / wire		-K12:4			-X1-B:35		
S19	2.5			Conductor / wire		-K12:3			-Q18:4		
	2.5mm^2			Conductor / wire					-X1-B:36		
W19	2.5			Conductor / wire		-K12:6			-X1-B:36		
T19	2.5			Conductor / wire		-K12:5			-Q18:6		

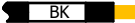
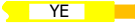
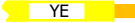
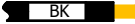
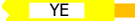
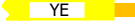
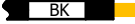
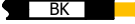
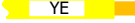
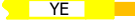
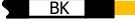
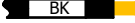
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
T2	2.5mm2			Conductor / wire		-T2			-Q19:5		
T2	2.5mm2			Conductor / wire		-Q19:5			-Q20:5		
T2	2.5mm2			Conductor / wire		-Q20:5			-Q21:5		
T2	2.5mm2			Conductor / wire		-Q21:5			-Q22:5		
T2	2.5mm2			Conductor / wire		-Q22:5			-Q23:5		
T2	2.5mm2			Conductor / wire		-Q23:5			-Q24:5		
T2	2.5mm2			Conductor / wire		-T2			-Q24:5		
S2	2.5mm2			Conductor / wire		-S2			-Q19:3		
S2	2.5mm2			Conductor / wire		-Q19:3			-Q20:3		
S2	2.5mm2			Conductor / wire		-Q20:3			-Q21:3		
S2	2.5mm2			Conductor / wire		-Q21:3			-Q22:3		
S2	2.5mm2			Conductor / wire		-Q22:3			-Q23:3		
S2	2.5mm2			Conductor / wire		-Q23:3			-Q24:3		
S2	2.5mm2			Conductor / wire		-S2			-Q24:3		
R2	2.5mm2			Conductor / wire		-R2			-Q19:1		
R2	2.5mm2			Conductor / wire		-Q19:1			-Q20:1		
R2	2.5mm2			Conductor / wire		-Q20:1			-Q21:1		
R2	2.5mm2			Conductor / wire		-Q21:1			-Q22:1		
R2	2.5mm2			Conductor / wire		-Q22:1			-Q23:1		
R2	2.5mm2			Conductor / wire		-Q23:1			-Q24:1		
R2	2.5mm2			Conductor / wire		-R2			-Q24:1		
U20	2.5			Conductor / wire		-K13:2			-X1-B:37:Klemsan		
R20	2.5			Conductor / wire		-K13:1			-Q19:2		
	2.5mm^2			Conductor / wire					-X1-B:38		
V20	2.5			Conductor / wire		-K13:4			-X1-B:38:Klemsan		
S20	2.5			Conductor / wire		-K13:3			-Q19:4		
	2.5mm^2			Conductor / wire					-X1-B:39		

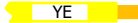
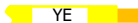
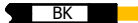
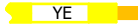
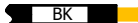
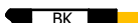
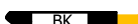
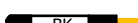
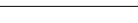
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
W20	2.5			Conductor / wire		-K13:6			-X1-B:39:Klemsan		
T20	2.5			Conductor / wire		-K13:5			-Q19:6		
U21	2.5			Conductor / wire		-K14:2			-X1-B:40:Klemsan		
R21	2.5			Conductor / wire		-K14:1			-Q20:2		
	2.5mm^2			Conductor / wire					-X1-B:41		
V21	2.5			Conductor / wire		-K14:4			-X1-B:41:Klemsan		
S21	2.5			Conductor / wire		-K14:3			-Q20:4		
	2.5mm^2			Conductor / wire					-X1-B:42		
W21	2.5			Conductor / wire		-K14:6			-X1-B:42:Klemsan		
T21	2.5			Conductor / wire		-K14:5			-Q20:6		
U22	2.5			Conductor / wire		-K15:2			-X1-B:43:Klemsan		
R22	2.5			Conductor / wire		-K15:1			-Q21:2		
	2.5mm^2			Conductor / wire					-X1-B:44		
V22	2.5			Conductor / wire		-K15:4			-X1-B:44:Klemsan		
S22	2.5			Conductor / wire		-K15:3			-Q21:4		
	2.5mm^2			Conductor / wire					-X1-B:45		
W22	2.5			Conductor / wire		-K15:6			-X1-B:45:Klemsan		
T22	2.5			Conductor / wire		-K15:5			-Q21:6		
U23	2.5			Conductor / wire		-K16:2			-X1-B:46:Klemsan		
R23	2.5			Conductor / wire		-K16:1			-Q22:2		
	2.5mm^2			Conductor / wire					-X1-B:47		
V23	2.5			Conductor / wire		-K16:4			-X1-B:47:Klemsan		
S23	2.5			Conductor / wire		-K16:3			-Q22:4		
	2.5mm^2			Conductor / wire					-X1-B:48		
W23	2.5			Conductor / wire		-K16:6			-X1-B:48:Klemsan		
T23	2.5			Conductor / wire		-K16:5			-Q22:6		
U24	2.5			Conductor / wire		-K17:2			-X1-B:49:Klemsan		

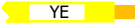
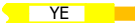
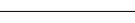
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
R24	2.5			Conductor / wire		-K17:1			-Q23:2		
	2.5mm^2			Conductor / wire					-X1-B:50		
V24	2.5			Conductor / wire		-K17:4			-X1-B:50:Klemsan		
S24	2.5			Conductor / wire		-K17:3			-Q23:4		
	2.5mm^2			Conductor / wire					-X1-B:51		
W24	2.5			Conductor / wire		-K17:6			-X1-B:51:Klemsan		
T24	2.5			Conductor / wire		-K17:5			-Q23:6		
U25	2.5			Conductor / wire		-K18:2			-X1-B:52:Klemsan		
R25	2.5			Conductor / wire		-K18:1			-Q24:2		
	2.5mm^2			Conductor / wire					-X1-B:53		
V25	2.5			Conductor / wire		-K18:4			-X1-B:53:Klemsan		
S25	2.5			Conductor / wire		-K18:3			-Q24:4		
	2.5mm^2			Conductor / wire					-X1-B:54		
W25	2.5			Conductor / wire		-K18:6			-X1-B:54:Klemsan		
T25	2.5			Conductor / wire		-K18:5			-Q24:6		
T2	2.5mm2			Conductor / wire		-T2			-Q25:5		
T2	2.5mm2			Conductor / wire		-Q25:5			-Q26:5		
T2	2.5mm2			Conductor / wire		-Q26:5			-Q27:5		
T2	2.5mm2			Conductor / wire		-Q27:5			-Q28:5		
T2	2.5mm2			Conductor / wire		-Q28:5			-Q29:5		
T2	2.5mm2			Conductor / wire		-Q29:5			-Q30:5		
T2	2.5mm2			Conductor / wire		-T2			-Q30:5		
S2	2.5mm2			Conductor / wire		-S2			-Q25:3		
S2	2.5mm2			Conductor / wire		-Q25:3			-Q26:3		
S2	2.5mm2			Conductor / wire		-Q26:3			-Q27:3		
S2	2.5mm2			Conductor / wire		-Q27:3			-Q28:3		
S2	2.5mm2			Conductor / wire		-Q28:3			-Q29:3		

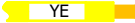
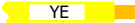
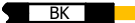
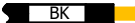
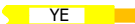
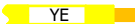
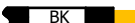
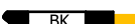
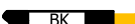
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
S2	2.5mm2			Conductor / wire		-Q29:3			-Q30:3		
S2	2.5mm2			Conductor / wire		-S2			-Q30:3		
R2	2.5mm2			Conductor / wire		-R2			-Q25:1		
R2	2.5mm2			Conductor / wire		-Q25:1			-Q26:1		
R2	2.5mm2			Conductor / wire		-Q26:1			-Q27:1		
R2	2.5mm2			Conductor / wire		-Q27:1			-Q28:1		
R2	2.5mm2			Conductor / wire		-Q28:1			-Q29:1		
R2	2.5mm2			Conductor / wire		-Q29:1			-Q30:1		
R2	2.5mm2			Conductor / wire		-R2			-Q30:1		
U27	4			Conductor / wire		-K19:2			-X1-B:55:Klemsan		
R27	4			Conductor / wire		-K19:1			-Q25:2		
	2.5mm^2			Conductor / wire					-X1-B:56		
V27	4			Conductor / wire		-K19:4			-X1-B:56:Klemsan		
S27	4			Conductor / wire		-K19:3			-Q25:4		
	2.5mm^2			Conductor / wire					-X1-B:57		
W27	4			Conductor / wire		-K19:6			-X1-B:57:Klemsan		
T27	4			Conductor / wire		-K19:5			-Q25:6		
U28	2.5			Conductor / wire		-K20:2			-X1-B:58:Klemsan		
R28	2.5			Conductor / wire		-K20:1			-Q26:2		
	2.5mm^2			Conductor / wire					-X1-B:59		
V28	2.5			Conductor / wire		-K20:4			-X1-B:59:Klemsan		
S28	2.5			Conductor / wire		-K20:3			-Q26:4		
	2.5mm^2			Conductor / wire					-X1-B:60		
W28	2.5			Conductor / wire		-K20:6			-X1-B:60:Klemsan		
T28	2.5			Conductor / wire		-K20:5			-Q26:6		
U29	2.5			Conductor / wire		-K21:2			-X1-B:61:Klemsan		
R29	2.5			Conductor / wire		-K21:1			-Q27:2		

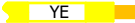
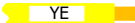
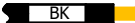
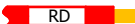
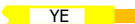
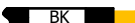
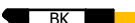
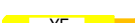
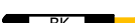
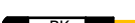
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
	2.5mm^2			Conductor / wire					-X1-B:62		
V29	2.5			Conductor / wire		-K21:4			-X1-B:62:Klemsan		
S29	2.5			Conductor / wire		-K21:3			-Q27:4		
	2.5mm^2			Conductor / wire					-X1-B:63		
W29	2.5			Conductor / wire		-K21:6			-X1-B:63:Klemsan		
T29	2.5			Conductor / wire		-K21:5			-Q27:6		
U30	2.5			Conductor / wire		-K22:2			-X1-B:64:Klemsan		
R30	2.5			Conductor / wire		-K22:1			-Q28:2		
	2.5mm^2			Conductor / wire					-X1-B:65		
V30	2.5			Conductor / wire		-K22:4			-X1-B:65:Klemsan		
S30	2.5			Conductor / wire		-K22:3			-Q28:4		
	2.5mm^2			Conductor / wire					-X1-B:66		
W30	2.5			Conductor / wire		-K22:6			-X1-B:66:Klemsan		
T30	2.5			Conductor / wire		-K22:5			-Q28:6		
U31	2.5			Conductor / wire		-K23:2			-X1-B:67:Klemsan		
R31	2.5			Conductor / wire		-K23:1			-Q29:2		
	2.5mm^2			Conductor / wire					-X1-B:68		
V31	2.5			Conductor / wire		-K23:4			-X1-B:68:Klemsan		
S31	2.5			Conductor / wire		-K23:3			-Q29:4		
	2.5mm^2			Conductor / wire					-X1-B:69		
W31	2.5			Conductor / wire		-K23:6			-X1-B:69:Klemsan		
T31	2.5			Conductor / wire		-K23:5			-Q29:6		
U32	2.5			Conductor / wire		-K24:2			-X1-B:70:Klemsan		
R32	2.5			Conductor / wire		-K24:1			-Q30:2		
	2.5mm^2			Conductor / wire					-X1-B:71		
V32	2.5			Conductor / wire		-K24:4			-X1-B:71:Klemsan		
S32	2.5			Conductor / wire		-K24:3			-Q30:4		

Connection list

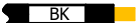
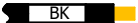
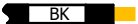
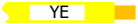
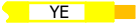
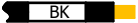
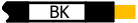
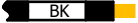
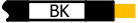
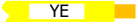
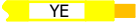
F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
V34	10			Conductor / wire		-K25:4			-X1-C:74:Klemsan		
S34	10			Conductor / wire		-K25:3			-Q31:4		
	10mm^2			Conductor / wire					-X1-C:75		
W34	10			Conductor / wire		-K25:6			-X1-C:75:Klemsan		
T34	10			Conductor / wire		-K25:5			-Q31:6		
U35	6			Conductor / wire		-K26:2			-X1-C:73:Klemsan		
R35	6			Conductor / wire		-K26:1			-Q32:2		
	4mm^2			Conductor / wire					-X1-C:74		
V35	6			Conductor / wire		-K26:4			-X1-C:74:Klemsan		
S35	6			Conductor / wire		-K26:3			-Q32:4		
	4mm^2			Conductor / wire					-X1-C:75		
W35	6			Conductor / wire		-K26:6			-X1-C:75:Klemsan		
T35	6			Conductor / wire		-K26:5			-Q32:6		
U36	6			Conductor / wire		-K27:2			-X1-C:76:Klemsan		
R36	6			Conductor / wire		-K27:1			-Q33:2		
	4mm^2			Conductor / wire					-X1-C:77		
V36	6			Conductor / wire		-K27:4			-X1-C:77:Klemsan		
S36	6			Conductor / wire		-K27:3			-Q33:4		
	4mm^2			Conductor / wire					-X1-C:78		
W36	6			Conductor / wire		-K27:6			-X1-C:78:Klemsan		
T36	6			Conductor / wire		-K27:5			-Q33:6		
U37	6			Conductor / wire		-K28:2			-X1-C:79:Klemsan		
R37	6			Conductor / wire		-K28:1			-Q34:2		
	4mm^2			Conductor / wire					-X1-C:80		
V37	6			Conductor / wire		-K28:4			-X1-C:80:Klemsan		
S37	6			Conductor / wire		-K28:3			-Q34:4		
	4mm^2			Conductor / wire					-X1-C:81		

						MANUFACTURER :  NOOR KAVAN RASAM	DESIGNER :	PROJECT :	NOTES :	DOCUMENT TITLE : CONNECTION LIST	CONTRACT NUMBER :	SIZE	SCALE	SHEET			
00	2025/8/7	ISSUE FOR REVIEW	M.KHEIROLLAHZADE	M.KHEIROLLAHZADE	EN.BAGHDADI												
REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED												
DOCUMENT NUMBER : kaloob 0022															A4	1 : 1	87OF 127

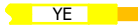
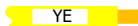
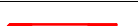
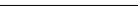
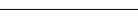
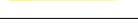
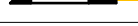
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
W37	6			Conductor / wire		-K28:6			-X1-C:81:Klemsan		
T37	6			Conductor / wire		-K28:5			-Q34:6		
U38	2.5			Conductor / wire		-K29:2			-X1-C:82:Klemsan		
R38	2.5			Conductor / wire		-K29:1			-Q35:2		
	2.5mm^2			Conductor / wire					-X1-C:83		
V38	2.5			Conductor / wire		-K29:4			-X1-C:83:Klemsan		
S38	2.5			Conductor / wire		-K29:3			-Q35:4		
	2.5mm^2			Conductor / wire					-X1-C:84		
W38	2.5			Conductor / wire		-K29:6			-X1-C:84:Klemsan		
T38	2.5			Conductor / wire		-K29:5			-Q35:6		
U39	2.5			Conductor / wire		-K30:2			-X1-C:85:Klemsan		
R39	2.5			Conductor / wire		-K30:1			-Q36:2		
	2.5mm^2			Conductor / wire					-X1-C:86		
V39	2.5			Conductor / wire		-K30:4			-X1-C:86:Klemsan		
S39	2.5			Conductor / wire		-K30:3			-Q36:4		
	2.5mm^2			Conductor / wire					-X1-C:87		
W39	2.5			Conductor / wire		-K30:6			-X1-C:87:Klemsan		
T39	2.5			Conductor / wire		-K30:5			-Q36:6		
T3	2.5mm2			Conductor / wire		-T3			-Q37:5		
T3	2.5mm2			Conductor / wire		-Q37:5			-Q38:5		
T3	2.5mm2			Conductor / wire		-Q38:5			-Q39:5		
T3	2.5mm2			Conductor / wire		-Q39:5			-Q40:5		
T3	2.5mm2			Conductor / wire		-Q40:5			-Q41:5		
T3	2.5mm2			Conductor / wire		-Q41:5			-Q42:5		
T3	2.5mm2			Conductor / wire		-T3			-Q42:5		
S3	2.5mm2			Conductor / wire		-S3			-Q37:3		
S3	2.5mm2			Conductor / wire		-Q37:3			-Q38:3		

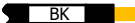
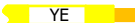
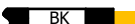
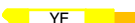
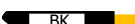
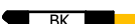
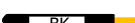
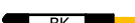
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
S3	2.5mm2			Conductor / wire		-Q38:3			-Q39:3		
S3	2.5mm2			Conductor / wire		-Q39:3			-Q40:3		
S3	2.5mm2			Conductor / wire		-Q40:3			-Q41:3		
S3	2.5mm2			Conductor / wire		-Q41:3			-Q42:3		
S3	2.5mm2			Conductor / wire		-S3			-Q42:3		
R3	2.5mm2			Conductor / wire		-R3			-Q37:1		
R3	2.5mm2			Conductor / wire		-Q37:1			-Q38:1		
R3	2.5mm2			Conductor / wire		-Q38:1			-Q39:1		
R3	2.5mm2			Conductor / wire		-Q39:1			-Q40:1		
R3	2.5mm2			Conductor / wire		-Q40:1			-Q41:1		
R3	2.5mm2			Conductor / wire		-Q41:1			-Q42:1		
R3	2.5mm2			Conductor / wire		-R3			-Q42:1		
U40	2.5			Conductor / wire		-K31:2			-X1-C:88:Klemsan		
R40	2.5			Conductor / wire		-K31:1			-Q37:2		
	2.5mm^2			Conductor / wire					-X1-C:89		
V40	2.5			Conductor / wire		-K31:4			-X1-C:89:Klemsan		
S40	2.5			Conductor / wire		-K31:3			-Q37:4		
	2.5mm^2			Conductor / wire					-X1-C:90		
W40	2.5			Conductor / wire		-K31:6			-X1-C:90:Klemsan		
T40	2.5			Conductor / wire		-K31:5			-Q37:6		
U41	2.5			Conductor / wire		-K32:2			-X1-C:91:Klemsan		
R41	2.5			Conductor / wire		-K32:1			-Q38:2		
	2.5mm^2			Conductor / wire					-X1-C:92		
V41	2.5			Conductor / wire		-K32:4			-X1-C:92:Klemsan		
S41	2.5			Conductor / wire		-K32:3			-Q38:4		
	2.5mm^2			Conductor / wire					-X1-C:93		
W41	2.5			Conductor / wire		-K32:6			-X1-C:93:Klemsan		

Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
T41	2.5			Conductor / wire		-K32:5			-Q38:6		
U42	2.5			Conductor / wire		-K33:2			-X1-C:94:Klemsan		
R42	2.5			Conductor / wire		-K33:1			-Q39:2		
	2.5mm^2			Conductor / wire					-X1-C:95		
V42	2.5			Conductor / wire		-K33:4			-X1-C:95:Klemsan		
S42	2.5			Conductor / wire		-K33:3			-Q39:4		
	2.5mm^2			Conductor / wire					-X1-C:96		
W42	2.5			Conductor / wire		-K33:6			-X1-C:96:Klemsan		
T42	2.5			Conductor / wire		-K33:5			-Q39:6		
U43	2.5			Conductor / wire		-K34:2			-X1-C:97:Klemsan		
R43	2.5			Conductor / wire		-K34:1			-Q40:2		
	2.5mm^2			Conductor / wire					-X1-C:98		
V43	2.5			Conductor / wire		-K34:4			-X1-C:98:Klemsan		
S43	2.5			Conductor / wire		-K34:3			-Q40:4		
	2.5mm^2			Conductor / wire					-X1-C:99		
W43	2.5			Conductor / wire		-K34:6			-X1-C:99:Klemsan		
T43	2.5			Conductor / wire		-K34:5			-Q40:6		
U44	2.5			Conductor / wire		-K35:2			-X1-C:100:Klemsan		
R44	2.5			Conductor / wire		-K35:1			-Q41:2		
	2.5mm^2			Conductor / wire					-X1-C:101		
V44	2.5			Conductor / wire		-K35:4			-X1-C:101:Klemsan		
S44	2.5			Conductor / wire		-K35:3			-Q41:4		
	2.5mm^2			Conductor / wire					-X1-C:102		
W44	2.5			Conductor / wire		-K35:6			-X1-C:102:Klemsan		
T44	2.5			Conductor / wire		-K35:5			-Q41:6		
U45	2.5			Conductor / wire		-K36:2			-X1-C:103:Klemsan		
R45	2.5			Conductor / wire		-K36:1			-Q42:2		

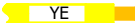
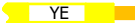
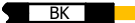
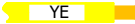
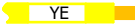
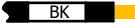
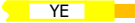
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
	2.5mm^2			Conductor / wire					-X1-C:104		
V45	2.5	YE		Conductor / wire		-K36:4			-X1-C:104:Klemsan		
S45	2.5	YE		Conductor / wire		-K36:3			-Q42:4		
	2.5mm^2			Conductor / wire					-X1-C:105		
W45	2.5	BK		Conductor / wire		-K36:6			-X1-C:105:Klemsan		
T45	2.5	BK		Conductor / wire		-K36:5			-Q42:6		
T3	2.5mm2	BK		Conductor / wire		-T3			-Q43:5		
T3	2.5mm2	BK		Conductor / wire		-Q43:5			-Q44:5		
T3	2.5mm2	BK		Conductor / wire		-Q44:5			-Q45:5		
T3	2.5mm2	BK		Conductor / wire		-Q45:5			-Q46:5		
T3	2.5mm2	BK		Conductor / wire		-Q46:5			-Q47:5		
T3	2.5mm2	BK		Conductor / wire		-Q47:5			-Q48:5		
T3	2.5mm2	BK		Conductor / wire		-T3			-Q48:5		
S3	2.5mm2	YE		Conductor / wire		-S3			-Q43:3		
S3	2.5mm2	YE		Conductor / wire		-Q43:3			-Q44:3		
S3	2.5mm2	YE		Conductor / wire		-Q44:3			-Q45:3		
S3	2.5mm2	YE		Conductor / wire		-Q45:3			-Q46:3		
S3	2.5mm2	YE		Conductor / wire		-Q46:3			-Q47:3		
S3	2.5mm2	YE		Conductor / wire		-Q47:3			-Q48:3		
S3	2.5mm2	YE		Conductor / wire		-S3			-Q48:3		
R3	2.5mm2	RD		Conductor / wire		-R3			-Q43:1		
R3	2.5mm2	RD		Conductor / wire		-Q43:1			-Q44:1		
R3	2.5mm2	RD		Conductor / wire		-Q44:1			-Q45:1		
R3	2.5mm2	RD		Conductor / wire		-Q45:1			-Q46:1		
R3	2.5mm2	RD		Conductor / wire		-Q46:1			-Q47:1		
R3	2.5mm2	RD		Conductor / wire		-Q47:1			-Q48:1		
R3	2.5mm2	RD		Conductor / wire		-R3			-Q48:1		

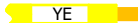
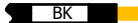
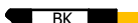
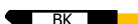
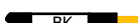
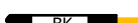
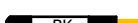
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
U46	2.5			Conductor / wire		-K37:2			-X1-C:106		
R46	2.5			Conductor / wire		-K37:1			-Q43:2		
	2.5mm^2			Conductor / wire					-X1-C:107		
V46	2.5			Conductor / wire		-K37:4			-X1-C:107		
S46	2.5			Conductor / wire		-K37:3			-Q43:4		
	2.5mm^2			Conductor / wire					-X1-C:108		
W46	2.5			Conductor / wire		-K37:6			-X1-C:108		
T46	2.5			Conductor / wire		-K37:5			-Q43:6		
U47	2.5			Conductor / wire		-K38:2			-X1-C:109		
R47	2.5			Conductor / wire		-K38:1			-Q44:2		
	2.5mm^2			Conductor / wire					-X1-C:110		
V47	2.5			Conductor / wire		-K38:4			-X1-C:110		
S47	2.5			Conductor / wire		-K38:3			-Q44:4		
	2.5mm^2			Conductor / wire					-X1-C:111		
W47	2.5			Conductor / wire		-K38:6			-X1-C:111		
T47	2.5			Conductor / wire		-K38:5			-Q44:6		
U48	2.5			Conductor / wire		-K39:2			-X1-C:112		
R48	2.5			Conductor / wire		-K39:1			-Q45:2		
	2.5mm^2			Conductor / wire					-X1-C:113		
V48	2.5			Conductor / wire		-K39:4			-X1-C:113		
S48	2.5			Conductor / wire		-K39:3			-Q45:4		
	2.5mm^2			Conductor / wire					-X1-C:114		
W48	2.5			Conductor / wire		-K39:6			-X1-C:114		
T48	2.5			Conductor / wire		-K39:5			-Q45:6		
U49	2.5			Conductor / wire		-K40:2			-X1-C:115		
R49	2.5			Conductor / wire		-K40:1			-Q46:2		
	2.5mm^2			Conductor / wire					-X1-C:116		

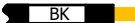
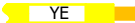
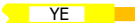
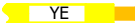
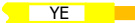
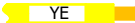
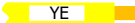
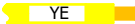
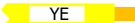
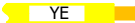
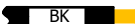
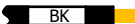
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
V49	2.5			Conductor / wire		-K40:4			-X1-C:116		
S49	2.5			Conductor / wire		-K40:3			-Q46:4		
	2.5mm^2			Conductor / wire					-X1-C:117		
W49	2.5			Conductor / wire		-K40:6			-X1-C:117		
T49	2.5			Conductor / wire		-K40:5			-Q46:6		
U50	2.5			Conductor / wire		-K41:2			-X1-C:118		
R50	2.5			Conductor / wire		-K41:1			-Q47:2		
	2.5mm^2			Conductor / wire					-X1-C:119		
V50	2.5			Conductor / wire		-K41:4			-X1-C:119		
S50	2.5			Conductor / wire		-K41:3			-Q47:4		
	2.5mm^2			Conductor / wire					-X1-C:120		
W50	2.5			Conductor / wire		-K41:6			-X1-C:120		
T50	2.5			Conductor / wire		-K41:5			-Q47:6		
U51	2.5			Conductor / wire		-K42:2			-X1-C:121		
R51	2.5			Conductor / wire		-K42:1			-Q48:2		
	2.5mm^2			Conductor / wire					-X1-C:122		
V51	2.5			Conductor / wire		-K42:4			-X1-C:122		
S51	2.5			Conductor / wire		-K42:3			-Q48:4		
	2.5mm^2			Conductor / wire					-X1-C:123		
W51	2.5			Conductor / wire		-K42:6			-X1-C:123		
T51	2.5			Conductor / wire		-K42:5			-Q48:6		
T3	2.5mm2			Conductor / wire		-T3			-Q49:5		
T3	2.5mm2			Conductor / wire		-Q49:5			-Q50:5		
T3	2.5mm2			Conductor / wire		-Q50:5			-Q51:5		
T3	2.5mm2			Conductor / wire		-Q51:5			-Q52:5		
T3	2.5mm2			Conductor / wire		-Q52:5			-Q53:5		
T3	2.5mm2			Conductor / wire		-Q53:5			-Q54:5		

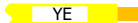
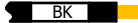
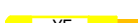
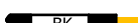
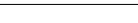
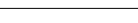
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
T3	2.5mm2			Conductor / wire		-T3			-Q54:5		
S3	2.5mm2			Conductor / wire		-S3			-Q49:3		
S3	2.5mm2			Conductor / wire		-Q49:3			-Q50:3		
S3	2.5mm2			Conductor / wire		-Q50:3			-Q51:3		
S3	2.5mm2			Conductor / wire		-Q51:3			-Q52:3		
S3	2.5mm2			Conductor / wire		-Q52:3			-Q53:3		
S3	2.5mm2			Conductor / wire		-Q53:3			-Q54:3		
S3	2.5mm2			Conductor / wire		-S3			-Q54:3		
R3	2.5mm2			Conductor / wire		-R3			-Q49:1		
R3	2.5mm2			Conductor / wire		-Q49:1			-Q50:1		
R3	2.5mm2			Conductor / wire		-Q50:1			-Q51:1		
R3	2.5mm2			Conductor / wire		-Q51:1			-Q52:1		
R3	2.5mm2			Conductor / wire		-Q52:1			-Q53:1		
R3	2.5mm2			Conductor / wire		-Q53:1			-Q54:1		
R3	2.5mm2			Conductor / wire		-R3			-Q54:1		
U52	2.5			Conductor / wire		-K43:2			-X1-C:124:Klemsan		
R52	2.5			Conductor / wire		-K43:1			-Q49:2		
	2.5mm^2			Conductor / wire					-X1-C:125		
V52	2.5			Conductor / wire		-K43:4			-X1-C:125:Klemsan		
S52	2.5			Conductor / wire		-K43:3			-Q49:4		
	2.5mm^2			Conductor / wire					-X1-C:126		
W52	2.5			Conductor / wire		-K43:6			-X1-C:126:Klemsan		
T52	2.5			Conductor / wire		-K43:5			-Q49:6		
U53	2.5			Conductor / wire		-K44:2			-X1-C:127:Klemsan		
R53	2.5			Conductor / wire		-K44:1			-Q50:2		
	2.5mm^2			Conductor / wire					-X1-C:128		
V53	2.5			Conductor / wire		-K44:4			-X1-C:128:Klemsan		

Connection list

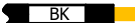
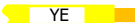
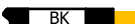
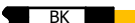
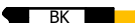
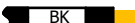
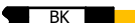
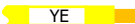
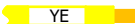
F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
S53	2.5			Conductor / wire		-K44:3			-Q50:4		
	2.5mm^2			Conductor / wire					-X1-C:129		
W53	2.5			Conductor / wire		-K44:6			-X1-C:129:Klemsan		
T53	2.5			Conductor / wire		-K44:5			-Q50:6		
U54	2.5			Conductor / wire		-K45:2			-X1-C:130:Klemsan		
R54	2.5			Conductor / wire		-K45:1			-Q51:2		
	2.5mm^2			Conductor / wire					-X1-C:131		
V54	2.5			Conductor / wire		-K45:4			-X1-C:131:Klemsan		
S54	2.5			Conductor / wire		-K45:3			-Q51:4		
	2.5mm^2			Conductor / wire					-X1-C:132		
W54	2.5			Conductor / wire		-K45:6			-X1-C:132:Klemsan		
T54	2.5			Conductor / wire		-K45:5			-Q51:6		
U55	2.5			Conductor / wire		-K46:2			-X1-C:133:Klemsan		
R55	2.5			Conductor / wire		-K46:1			-Q52:2		
	2.5mm^2			Conductor / wire					-X1-C:134		
V55	2.5			Conductor / wire		-K46:4			-X1-C:134:Klemsan		
S55	2.5			Conductor / wire		-K46:3			-Q52:4		
	2.5mm^2			Conductor / wire					-X1-C:135		
W55	2.5			Conductor / wire		-K46:6			-X1-C:135:Klemsan		
T55	2.5			Conductor / wire		-K46:5			-Q52:6		
U56	2.5			Conductor / wire		-K47:2			-X1-C:136:Klemsan		
R56	2.5			Conductor / wire		-K47:1			-Q53:2		
	2.5mm^2			Conductor / wire					-X1-C:137		
T56	2.5			Conductor / wire		-K47:4			-X1-C:137:Klemsan		
S56	2.5			Conductor / wire		-K47:3			-Q53:4		
	2.5mm^2			Conductor / wire					-X1-C:138		
W56	2.5			Conductor / wire		-K47:6			-X1-C:138:Klemsan		

						MANUFACTURER :  NOOR KAVAN RASAM	DESIGNER :	PROJECT :	NOTES :	DOCUMENT TITLE : CONNECTION LIST	CONTRACT NUMBER :	SIZE	SCALE	SHEET
00	2025/8/7	ISSUE FOR REVIEW	M.KHEIROLLAHZADE	M.KHEIROLLAHZADE	EN.BAGHDADI						DOCUMENT NUMBER : kaloob 0022	A4	1 : 1	95OF 127
REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED									

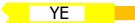
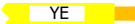
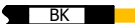
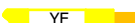
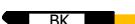
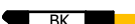
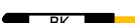
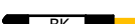
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
V56	2.5			Conductor / wire		-K47:5			-Q53:6		
U57	2.5			Conductor / wire		-K48:2			-X1-C:139:Klemsan		
R57	2.5			Conductor / wire		-K48:1			-Q54:2		
	2.5mm^2			Conductor / wire					-X1-C:140		
V57	2.5			Conductor / wire		-K48:4			-X1-C:140:Klemsan		
S57	2.5			Conductor / wire		-K48:3			-Q54:4		
	2.5mm^2			Conductor / wire					-X1-C:141		
W57	2.5			Conductor / wire		-K48:6			-X1-C:141:Klemsan		
T57	2.5			Conductor / wire		-K48:5			-Q54:6		
T3	2.5mm2			Conductor / wire		-T3			-Q55:5		
T3	2.5mm2			Conductor / wire		-Q55:5			-Q56:5		
T3	2.5mm2			Conductor / wire		-Q56:5			-Q57:5		
T3	2.5mm2			Conductor / wire		-Q57:5			-Q58:5		
T3	2.5mm2			Conductor / wire		-Q58:5			-Q59:5		
T3	2.5mm2			Conductor / wire		-Q59:5			-Q60:5		
T3	2.5mm2			Conductor / wire		-T3			-Q60:5		
S3	2.5mm2			Conductor / wire		-S3			-Q55:3		
S3	2.5mm2			Conductor / wire		-Q55:3			-Q56:3		
S3	2.5mm2			Conductor / wire		-Q56:3			-Q57:3		
S3	2.5mm2			Conductor / wire		-Q57:3			-Q58:3		
S3	2.5mm2			Conductor / wire		-Q58:3			-Q59:3		
S3	2.5mm2			Conductor / wire		-Q59:3			-Q60:3		
S3	2.5mm2			Conductor / wire		-S3			-Q60:3		
R3	2.5mm2			Conductor / wire		-R3			-Q55:1		
R3	2.5mm2			Conductor / wire		-Q55:1			-Q56:1		
R3	2.5mm2			Conductor / wire		-Q56:1			-Q57:1		
R3	2.5mm2			Conductor / wire		-Q57:1			-Q58:1		

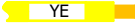
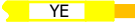
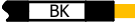
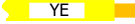
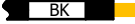
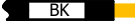
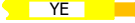
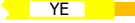
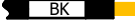
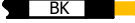
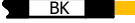
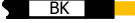
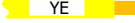
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
R3	2.5mm2			Conductor / wire		-Q58:1			-Q59:1		
R3	2.5mm2			Conductor / wire		-Q59:1			-Q60:1		
R3	2.5mm2			Conductor / wire		-R3			-Q60:1		
U58	2.5			Conductor / wire		-K49:2			-X1-C:142:Klemsan		
R58	2.5			Conductor / wire		-K49:1			-Q55:2		
	2.5mm^2			Conductor / wire					-X1-C:143		
V58	2.5			Conductor / wire		-K49:4			-X1-C:143:Klemsan		
S58	2.5			Conductor / wire		-K49:3			-Q55:4		
	2.5mm^2			Conductor / wire					-X1-C:144		
W58	2.5			Conductor / wire		-K49:6			-X1-C:144:Klemsan		
T58	2.5			Conductor / wire		-K49:5			-Q55:6		
U59	2.5			Conductor / wire		-K50:2			-X1-C:145:Klemsan		
R59	2.5			Conductor / wire		-K50:1			-Q56:2		
	2.5mm^2			Conductor / wire					-X1-C:146		
V59	2.5			Conductor / wire		-K50:4			-X1-C:146:Klemsan		
S59	2.5			Conductor / wire		-K50:3			-Q56:4		
	2.5mm^2			Conductor / wire					-X1-C:147		
W59	2.5			Conductor / wire		-K50:6			-X1-C:147:Klemsan		
T59	2.5			Conductor / wire		-K50:5			-Q56:6		
U60	2.5			Conductor / wire		-K51:2			-X1-C:148:Klemsan		
R60	2.5			Conductor / wire		-K51:1			-Q57:2		
	2.5mm^2			Conductor / wire					-X1-C:149		
V60	2.5			Conductor / wire		-K51:4			-X1-C:149:Klemsan		
S60	2.5			Conductor / wire		-K51:3			-Q57:4		
	2.5mm^2			Conductor / wire					-X1-C:150		
W60	2.5			Conductor / wire		-K51:6			-X1-C:150:Klemsan		
T60	2.5			Conductor / wire		-K51:5			-Q57:6		

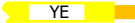
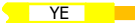
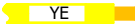
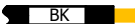
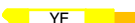
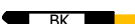
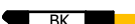
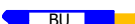
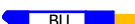
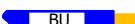
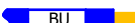
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
U61	2.5			Conductor / wire		-K52:2			-X1-C:151:Klemsan		
R61	2.5			Conductor / wire		-K52:1			-Q58:2		
	2.5mm^2			Conductor / wire					-X1-C:152		
V61	2.5			Conductor / wire		-K52:4			-X1-C:152:Klemsan		
S61	2.5			Conductor / wire		-K52:3			-Q58:4		
	2.5mm^2			Conductor / wire					-X1-C:153		
W61	2.5			Conductor / wire		-K52:6			-X1-C:153:Klemsan		
T61	2.5			Conductor / wire		-K52:5			-Q58:6		
U62	2.5			Conductor / wire		-K53:2			-X1-C:154:Klemsan		
R62	2.5			Conductor / wire		-K53:1			-Q59:2		
	2.5mm^2			Conductor / wire					-X1-C:155		
V62	2.5			Conductor / wire		-K53:4			-X1-C:155:Klemsan		
S62	2.5			Conductor / wire		-K53:3			-Q59:4		
	2.5mm^2			Conductor / wire					-X1-C:156		
W62	2.5			Conductor / wire		-K53:6			-X1-C:156:Klemsan		
T62	2.5			Conductor / wire		-K53:5			-Q59:6		
U63	2.5			Conductor / wire		-K54:2			-X1-C:157:Klemsan		
R63	2.5			Conductor / wire		-K54:1			-Q60:2		
	2.5mm^2			Conductor / wire					-X1-C:158		
V63	2.5			Conductor / wire		-K54:4			-X1-C:158:Klemsan		
S63	2.5			Conductor / wire		-K54:3			-Q60:4		
	2.5mm^2			Conductor / wire					-X1-C:159		
W63	2.5			Conductor / wire		-K54:6			-X1-C:159:Klemsan		
T63	2.5			Conductor / wire		-K54:5			-Q60:6		
T3	2.5mm2			Conductor / wire		-T3			-Q61:5		
T3	2.5mm2			Conductor / wire		-Q61:5			-Q62:5		
S3	2.5mm2			Conductor / wire		-S3			-Q61:3		

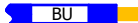
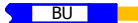
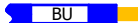
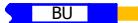
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
S3	2.5mm2			Conductor / wire		-Q61:3			-Q62:3		
R3	2.5mm2			Conductor / wire		-R3			-Q61:1		
R3	2.5mm2			Conductor / wire		-Q61:1			-Q62:1		
U64	2.5			Conductor / wire		-K55:2			-X1-C:160:Klemsan		
R64	2.5			Conductor / wire		-K55:1			-Q61:2		
	2.5mm^2			Conductor / wire					-X1-C:161		
V64	2.5			Conductor / wire		-K55:4			-X1-C:161:Klemsan		
S64	2.5			Conductor / wire		-K55:3			-Q61:4		
	2.5mm^2			Conductor / wire					-X1-C:162		
W64	2.5			Conductor / wire		-K55:6			-X1-C:162:Klemsan		
T64	2.5			Conductor / wire		-K55:5			-Q61:6		
U65	2.5			Conductor / wire		-K56:2			-X1-C:163:Klemsan		
R65	2.5			Conductor / wire		-K56:1			-Q62:2		
	2.5mm^2			Conductor / wire					-X1-C:164		
V65	2.5			Conductor / wire		-K56:4			-X1-C:164:Klemsan		
S65	2.5			Conductor / wire		-K56:3			-Q62:4		
	2.5mm^2			Conductor / wire					-X1-C:165		
W65	2.5			Conductor / wire		-K56:6			-X1-C:165:Klemsan		
T65	2.5			Conductor / wire		-K56:5			-Q62:6		
N	1.5			Conductor / wire					-K1:A2		
N	1.5			Conductor / wire		-H26:x2			-K1:A2		
N	1.5			Conductor / wire		-H26:x2			-H27:x2		
N	1.5			Conductor / wire		-H27:x2			-K2:A2		
N	1.5			Conductor / wire		-H28:x2			-K2:A2		
N	1.5			Conductor / wire		-H28:x2			-H29:x2		
N	1.5			Conductor / wire		-H29:x2			-K3:A2		
N	1.5			Conductor / wire		-H30:x2			-K3:A2		

Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
N	1.5			Conductor / wire		-H30:x2			-H31:x2		
N	1.5			Conductor / wire		-H31:x2			-K4:A2		
N	1.5			Conductor / wire		-H32:x2			-K4:A2		
N	1.5			Conductor / wire		-H32:x2			-H33:x2		
N	1.5			Conductor / wire					-H33:x2		
				Conductor / wire		-PHC1:21			-PM3-R		
31-1	1.5			Conductor / wire		-PHC1:24			-S5:1		
31-1	1.5			Conductor / wire		-K1:13			-S5:1		
31-1	1.5			Conductor / wire		-K1:11			-K1:13		
31-1	1.5			Conductor / wire		-K1:11			-S7:1		
31-1	1.5			Conductor / wire		-K2:13			-S7:1		
31-1	1.5			Conductor / wire		-K2:11			-K2:13		
31-1	1.5			Conductor / wire		-K2:11			-S9:1		
31-1	1.5			Conductor / wire		-K3:13			-S9:1		
31-1	1.5			Conductor / wire		-K3:11			-K3:13		
31-1	1.5			Conductor / wire		-K3:11			-S11:1		
31-1	1.5			Conductor / wire		-K4:13			-S11:1		
31-1	1.5			Conductor / wire		-K4:11			-K4:13		
31-1	1.5			Conductor / wire		-K4:11			-S13:1		
31-1	1.5			Conductor / wire		-K5:13			-S13:1		
31-1	1.5			Conductor / wire		-K5:11			-K5:13		
31-1	1.5			Conductor / wire		-K5:11			-S15:1		
31-1	1.5			Conductor / wire		-K6:13			-S15:1		
31-1	1.5			Conductor / wire		-K6:11			-K6:13		
31-1	1.5			Conductor / wire		-K6:11			-S17:1		
31-1	1.5			Conductor / wire		-K7:13			-S17:1		
31-1	1.5			Conductor / wire		-K7:11			-K7:13		

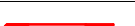
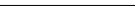
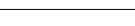
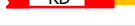
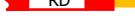
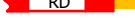
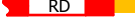
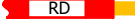
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
31-1	1.5			Conductor / wire		-K7:11			-S19:1		
31-1	1.5			Conductor / wire		-K8:13			-S19:1		
31-1	1.5			Conductor / wire		-K8:11			-K8:13		
31-1	1.5			Conductor / wire		-K8:11			-S21:1		
N	1.5			Conductor / wire		-K9:13			-S21:1		
N	1.5			Conductor / wire		-K9:11			-K9:13		
N	1.5			Conductor / wire		-K9:11			-S23:1		
N	1.5			Conductor / wire		-K10:13			-S23:1		
N	1.5			Conductor / wire		-K10:11			-K10:13		
N	1.5			Conductor / wire		-K10:11			-S25:1		
N	1.5			Conductor / wire		-K11:13			-S25:1		
N	1.5			Conductor / wire		-K11:11			-K11:13		
N	1.5			Conductor / wire		-K11:11			-S27:1		
N	1.5			Conductor / wire		-K12:13			-S27:1		
N	1.5			Conductor / wire		-K12:11			-K12:13		
31-1	1.5			Conductor / wire		-K12:11			-S29:1		
31-1	1.5			Conductor / wire		-K13:13			-S29:1		
31-1	1.5			Conductor / wire		-K13:11			-K13:13		
31-1	1.5			Conductor / wire		-K13:11			-S31:1		
31-1	1.5			Conductor / wire		-K14:13			-S31:1		
31-1	1.5			Conductor / wire		-K14:11			-K14:13		
31-1	1.5			Conductor / wire		-K14:11			-S33:1		
31-1	1.5			Conductor / wire		-K15:13			-S33:1		
31-1	1.5			Conductor / wire		-K15:11			-K15:13		
31-1	1.5			Conductor / wire		-K15:11			-S35:1		
31-1	1.5			Conductor / wire		-K16:13			-S35:1		
31-1	1.5			Conductor / wire		-K16:11			-K16:13		

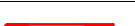
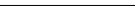
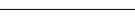
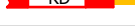
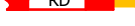
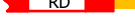
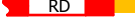
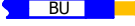
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
31-1	1.5			Conductor / wire		-K16:11			-S37:1		
31-1	1.5			Conductor / wire		-K17:13			-S37:1		
31-1	1.5			Conductor / wire		-K17:11			-K17:13		
31-1	1.5			Conductor / wire		-K17:11			-S39:1		
31-1	1.5			Conductor / wire		-K18:13			-S39:1		
31-1	1.5			Conductor / wire		-K18:11			-K18:13		
31-1	1.5			Conductor / wire		-K18:11			-S41:1		
31-1	1.5			Conductor / wire		-K19:13			-S41:1		
31-1	1.5			Conductor / wire		-K19:11			-K19:13		
31-1	1.5			Conductor / wire		-K19:11			-S43:1		
N	1.5			Conductor / wire		-K20:13			-S43:1		
N	1.5			Conductor / wire		-K20:11			-K20:13		
31-1	1.5			Conductor / wire		-K20:11			-S45:1		
31-1	1.5			Conductor / wire		-K21:13			-S45:1		
31-1	1.5			Conductor / wire		-K21:11			-K21:13		
31-1	1.5			Conductor / wire		-K21:11			-S47:1		
31-1	1.5			Conductor / wire		-K22:13			-S47:1		
31-1	1.5			Conductor / wire		-K22:11			-K22:13		
31-1	1.5			Conductor / wire		-K22:11			-S49:1		
31-1	1.5			Conductor / wire		-K23:13			-S49:1		
31-1	1.5			Conductor / wire		-K23:11			-K23:13		
31-1	1.5			Conductor / wire		-K23:11			-S51:1		
31-1	1.5			Conductor / wire		-K24:13			-S51:1		
31-1	1.5			Conductor / wire		-K24:11			-K24:13		
31-4	1.5			Conductor / wire		-K1:A1			-Q7:14		
31-3	1.5			Conductor / wire		-Q7:13			-S6:4		
31-3	1.5			Conductor / wire		-K1:24			-Q7:13		

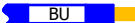
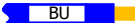
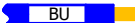
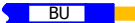
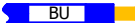
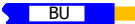
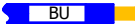
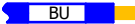
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
31-2	1.5			Conductor / wire		-S5:2			-S6:3		
31-2	1.5			Conductor / wire		-K1:23			-S6:3		
31-5	1.5			Conductor / wire		-H26:x1			-K1:14		
31-6	1.5			Conductor / wire		-H27:x1			-K1:12		
31-9	1.5			Conductor / wire		-K2:A1			-Q8:14		
31-8	1.5			Conductor / wire		-Q8:13			-S8:4		
31-8	1.5			Conductor / wire		-K2:24			-Q8:13		
31-7	1.5			Conductor / wire		-S7:2			-S8:3		
31-7	1.5			Conductor / wire		-K2:23			-S8:3		
31-10	1.5			Conductor / wire		-H28:x1			-K2:14		
31-11	1.5			Conductor / wire		-H29:x1			-K2:12		
31-14	1.5			Conductor / wire		-K3:A1			-Q9:14		
31-13	1.5			Conductor / wire		-Q9:13			-S10:4		
31-13	1.5			Conductor / wire		-K3:24			-Q9:13		
31-12	1.5			Conductor / wire		-S9:2			-S10:3		
31-12	1.5			Conductor / wire		-K3:23			-S10:3		
31-15	1.5			Conductor / wire		-H30:x1			-K3:14		
31-16	1.5			Conductor / wire		-H31:x1			-K3:12		
31-19	1.5			Conductor / wire		-K4:A1			-Q10:14		
31-18	1.5			Conductor / wire		-Q10:13			-S12:4		
31-18	1.5			Conductor / wire		-K4:24			-Q10:13		
31-17	1.5			Conductor / wire		-S11:2			-S12:3		
31-17	1.5			Conductor / wire		-K4:23			-S12:3		
31-20	1.5			Conductor / wire		-H32:x1			-K4:14		
31-21	1.5			Conductor / wire		-H33:x1			-K4:12		
N	1.5			Conductor / wire					-K5:A2		
N	1.5			Conductor / wire		-H34:x2			-K5:A2		

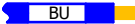
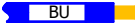
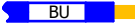
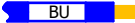
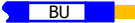
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
N	1.5			Conductor / wire		-H34:x2			-H35:x2		
N	1.5			Conductor / wire		-H35:x2			-K6:A2		
N	1.5			Conductor / wire		-H36:x2			-K6:A2		
N	1.5			Conductor / wire		-H36:x2			-H37:x2		
N	1.5			Conductor / wire		-H37:x2			-K7:A2		
N	1.5			Conductor / wire		-H38:x2			-K7:A2		
N	1.5			Conductor / wire		-H38:x2			-H39:x2		
N	1.5			Conductor / wire		-H39:x2			-K8:A2		
N	1.5			Conductor / wire		-H40:x2			-K8:A2		
N	1.5			Conductor / wire		-H40:x2			-H41:x2		
N	1.5			Conductor / wire					-H41:x2		
32-4	1.5			Conductor / wire		-K5:A1			-Q11:14		
32-3	1.5			Conductor / wire		-Q11:13			-S14:4		
32-3	1.5			Conductor / wire		-K5:24			-Q11:13		
32-2	1.5			Conductor / wire		-S13:2			-S14:3		
32-2	1.5			Conductor / wire		-K5:23			-S14:3		
32-5	1.5			Conductor / wire		-H34:x1			-K5:14		
32-6	1.5			Conductor / wire		-H35:x1			-K5:12		
32-9	1.5			Conductor / wire		-K6:A1			-Q12:14		
32-8	1.5			Conductor / wire		-Q12:13			-S16:4		
32-8	1.5			Conductor / wire		-K6:24			-Q12:13		
32-7	1.5			Conductor / wire		-S15:2			-S16:3		
32-7	1.5			Conductor / wire		-K6:23			-S16:3		
32-10	1.5			Conductor / wire		-H36:x1			-K6:14		
32-11	1.5			Conductor / wire		-H37:x1			-K6:12		
32-14	1.5			Conductor / wire		-K7:A1			-Q13:14		
32-13	1.5			Conductor / wire		-Q13:13			-S18:4		

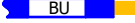
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
32-13	1.5			Conductor / wire		-K7:24			-Q13:13		
32-12	1.5			Conductor / wire		-S17:2			-S18:3		
32-12	1.5			Conductor / wire		-K7:23			-S18:3		
32-15	1.5			Conductor / wire		-H38:x1			-K7:14		
32-16	1.5			Conductor / wire		-H39:x1			-K7:12		
32-19	1.5			Conductor / wire		-K8:A1			-Q14:14		
32-18	1.5			Conductor / wire		-Q14:13			-S20:4		
32-18	1.5			Conductor / wire		-K8:24			-Q14:13		
32-17	1.5			Conductor / wire		-S19:2			-S20:3		
32-17	1.5			Conductor / wire		-K8:23			-S20:3		
32-20	1.5			Conductor / wire		-H40:x1			-K8:14		
32-21	1.5			Conductor / wire		-H41:x1			-K8:12		
N	1.5			Conductor / wire					-K9:A2		
N	1.5			Conductor / wire		-H42:x2			-K9:A2		
N	1.5			Conductor / wire		-H42:x2			-H43:x2		
N	1.5			Conductor / wire		-H43:x2			-K10:A2		
N	1.5			Conductor / wire		-H44:x2			-K10:A2		
N	1.5			Conductor / wire		-H44:x2			-H45:x2		
N	1.5			Conductor / wire		-H45:x2			-K11:A2		
N	1.5			Conductor / wire		-H46:x2			-K11:A2		
N	1.5			Conductor / wire		-H46:x2			-H47:x2		
N	1.5			Conductor / wire		-H47:x2			-K12:A2		
N	1.5			Conductor / wire		-H48:x2			-K12:A2		
N	1.5			Conductor / wire		-H48:x2			-H49:x2		
N	1.5			Conductor / wire					-H49:x2		
33-4	1.5			Conductor / wire		-K9:A1			-Q15:14		
33-3	1.5			Conductor / wire		-Q15:13			-S22:4		

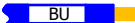
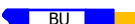
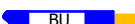
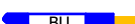
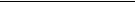
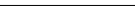
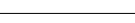
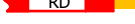
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
33-3	1.5			Conductor / wire		-K9:24			-Q15:13		
33-2	1.5			Conductor / wire		-S21:2			-S22:3		
33-2	1.5			Conductor / wire		-K9:23			-S22:3		
33-5	1.5			Conductor / wire		-H42:x1			-K9:14		
33-6	1.5			Conductor / wire		-H43:x1			-K9:12		
33-9	1.5			Conductor / wire		-K10:A1			-Q16:14		
33-8	1.5			Conductor / wire		-Q16:13			-S24:4		
33-8	1.5			Conductor / wire		-K10:24			-Q16:13		
33-7	1.5			Conductor / wire		-S23:2			-S24:3		
33-7	1.5			Conductor / wire		-K10:23			-S24:3		
33-10	1.5			Conductor / wire		-H44:x1			-K10:14		
33-11	1.5			Conductor / wire		-H45:x1			-K10:12		
33-14	1.5			Conductor / wire		-K11:A1			-Q17:14		
33-13	1.5			Conductor / wire		-Q17:13			-S26:4		
33-13	1.5			Conductor / wire		-K11:24			-Q17:13		
33-12	1.5			Conductor / wire		-S25:2			-S26:3		
33-12	1.5			Conductor / wire		-K11:23			-S26:3		
33-15	1.5			Conductor / wire		-H46:x1			-K11:14		
33-16	1.5			Conductor / wire		-H47:x1			-K11:12		
33-19	1.5			Conductor / wire		-K12:A1			-Q18:14		
33-18	1.5			Conductor / wire		-Q18:13			-S28:4		
33-18	1.5			Conductor / wire		-K12:24			-Q18:13		
33-17	1.5			Conductor / wire		-S27:2			-S28:3		
33-17	1.5			Conductor / wire		-K12:23			-S28:3		
33-20	1.5			Conductor / wire		-H48:x1			-K12:14		
33-21	1.5			Conductor / wire		-H49:x1			-K12:12		
N	1.5			Conductor / wire					-K13:A2		

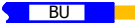
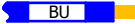
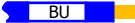
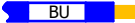
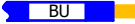
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
N	1.5			Conductor / wire		-H50:x2			-K13:A2		
N	1.5			Conductor / wire		-H50:x2			-H51:x2		
N	1.5			Conductor / wire		-H51:x2			-K14:A2		
N	1.5			Conductor / wire		-H52:x2			-K14:A2		
N	1.5			Conductor / wire		-H52:x2			-H53:x2		
N	1.5			Conductor / wire		-H53:x2			-K15:A2		
N	1.5			Conductor / wire		-H54:x2			-K15:A2		
N	1.5			Conductor / wire		-H54:x2			-H55:x2		
N	1.5			Conductor / wire		-H55:x2			-K16:A2		
N	1.5			Conductor / wire		-H56:x2			-K16:A2		
N	1.5			Conductor / wire		-H56:x2			-H57:x2		
N	1.5			Conductor / wire					-H57:x2		
34-4	1.5			Conductor / wire		-K13:A1			-Q19:14		
34-3	1.5			Conductor / wire		-Q19:13			-S30:4		
34-3	1.5			Conductor / wire		-K13:24			-Q19:13		
34-2	1.5			Conductor / wire		-S29:2			-S30:3		
34-2	1.5			Conductor / wire		-K13:23			-S30:3		
34-5	1.5			Conductor / wire		-H50:x1			-K13:14		
34-6	1.5			Conductor / wire		-H51:x1			-K13:12		
34-9	1.5			Conductor / wire		-K14:A1			-Q20:14		
34-8	1.5			Conductor / wire		-Q20:13			-S32:4		
34-8	1.5			Conductor / wire		-K14:24			-Q20:13		
34-7	1.5			Conductor / wire		-S31:2			-S32:3		
34-7	1.5			Conductor / wire		-K14:23			-S32:3		
34-10	1.5			Conductor / wire		-H52:x1			-K14:14		
34-11	1.5			Conductor / wire		-H53:x1			-K14:12		
34-14	1.5			Conductor / wire		-K15:A1			-Q21:14		

Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
34-13	1.5			Conductor / wire		-Q21:13			-S34:4		
34-13	1.5			Conductor / wire		-K15:24			-Q21:13		
34-12	1.5			Conductor / wire		-S33:2			-S34:3		
34-12	1.5			Conductor / wire		-K15:23			-S34:3		
34-15	1.5			Conductor / wire		-H54:x1			-K15:14		
34-16	1.5			Conductor / wire		-H55:x1			-K15:12		
34-19	1.5			Conductor / wire		-K16:A1			-Q22:14		
34-18	1.5			Conductor / wire		-Q22:13			-S36:4		
34-18	1.5			Conductor / wire		-K16:24			-Q22:13		
34-17	1.5			Conductor / wire		-S35:2			-S36:3		
34-17	1.5			Conductor / wire		-K16:23			-S36:3		
34-20	1.5			Conductor / wire		-H56:x1			-K16:14		
34-21	1.5			Conductor / wire		-H57:x1			-K16:12		
N	1.5			Conductor / wire					-K17:A2		
N	1.5			Conductor / wire		-H58:x2			-K17:A2		
N	1.5			Conductor / wire		-H58:x2			-H59:x2		
N	1.5			Conductor / wire		-H59:x2			-K18:A2		
N	1.5			Conductor / wire		-H60:x2			-K18:A2		
N	1.5			Conductor / wire		-H60:x2			-H61:x2		
N	1.5			Conductor / wire		-H61:x2			-K19:A2		
N	1.5			Conductor / wire		-H62:x2			-K19:A2		
N	1.5			Conductor / wire		-H62:x2			-H63:x2		
N	1.5			Conductor / wire		-H63:x2			-K20:A2		
N	1.5			Conductor / wire		-H64:x2			-K20:A2		
N	1.5			Conductor / wire		-H64:x2			-H65:x2		
N	1.5			Conductor / wire					-H65:x2		
35-4	1.5			Conductor / wire		-K17:A1			-Q23:14		

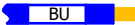
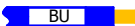
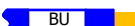
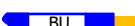
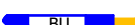
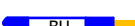
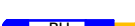
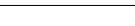
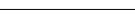
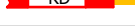
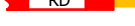
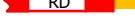
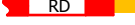
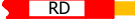
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
35-3	1.5			Conductor / wire		-Q23:13			-S38:4		
35-3	1.5			Conductor / wire		-K17:24			-Q23:13		
35-2	1.5			Conductor / wire		-S37:2			-S38:3		
35-2	1.5			Conductor / wire		-K17:23			-S38:3		
35-5	1.5			Conductor / wire		-H58:x1			-K17:14		
35-6	1.5			Conductor / wire		-H59:x1			-K17:12		
35-9	1.5			Conductor / wire		-K18:A1			-Q24:14		
35-8	1.5			Conductor / wire		-Q24:13			-S40:4		
35-8	1.5			Conductor / wire		-K18:24			-Q24:13		
35-7	1.5			Conductor / wire		-S39:2			-S40:3		
35-7	1.5			Conductor / wire		-K18:23			-S40:3		
35-10	1.5			Conductor / wire		-H60:x1			-K18:14		
35-11	1.5			Conductor / wire		-H61:x1			-K18:12		
35-14	1.5			Conductor / wire		-K19:A1			-Q25:14		
35-13	1.5			Conductor / wire		-Q25:13			-S42:4		
35-13	1.5			Conductor / wire		-K19:24			-Q25:13		
35-12	1.5			Conductor / wire		-S41:2			-S42:3		
35-12	1.5			Conductor / wire		-K19:23			-S42:3		
35-15	1.5			Conductor / wire		-H62:x1			-K19:14		
35-16	1.5			Conductor / wire		-H63:x1			-K19:12		
35-19	1.5			Conductor / wire		-K20:A1			-Q26:14		
35-18	1.5			Conductor / wire		-Q26:13			-S44:4		
35-18	1.5			Conductor / wire		-K20:24			-Q26:13		
35-17	1.5			Conductor / wire		-S43:2			-S44:3		
35-17	1.5			Conductor / wire		-K20:23			-S44:3		
35-20	1.5			Conductor / wire		-H64:x1			-K20:14		
35-21	1.5			Conductor / wire		-H65:x1			-K20:12		

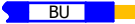
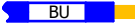
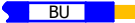
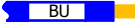
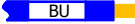
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
N	1.5			Conductor / wire					-K21:A2		
N	1.5			Conductor / wire		-H66:x2			-K21:A2		
N	1.5			Conductor / wire		-H66:x2			-H67:x2		
N	1.5			Conductor / wire		-H67:x2			-K22:A2		
N	1.5			Conductor / wire		-H68:x2			-K22:A2		
N	1.5			Conductor / wire		-H68:x2			-H69:x2		
N	1.5			Conductor / wire		-H69:x2			-K23:A2		
N	1.5			Conductor / wire		-H70:x2			-K23:A2		
N	1.5			Conductor / wire		-H70:x2			-H71:x2		
N	1.5			Conductor / wire		-H71:x2			-K24:A2		
N	1.5			Conductor / wire		-H72:x2			-K24:A2		
N	1.5			Conductor / wire		-H72:x2			-H73:x2		
N	1.5			Conductor / wire					-H73:x2		
36-4	1.5			Conductor / wire		-K21:A1			-Q27:14		
36-3	1.5			Conductor / wire		-Q27:13			-S46:4		
36-3	1.5			Conductor / wire		-K21:24			-Q27:13		
36-2	1.5			Conductor / wire		-S45:2			-S46:3		
36-2	1.5			Conductor / wire		-K21:23			-S46:3		
36-5	1.5			Conductor / wire		-H66:x1			-K21:14		
36-6	1.5			Conductor / wire		-H67:x1			-K21:12		
36-9	1.5			Conductor / wire		-K22:A1			-Q28:14		
36-8	1.5			Conductor / wire		-Q28:13			-S48:4		
36-8	1.5			Conductor / wire		-K22:24			-Q28:13		
36-7	1.5			Conductor / wire		-S47:2			-S48:3		
36-7	1.5			Conductor / wire		-K22:23			-S48:3		
36-10	1.5			Conductor / wire		-H68:x1			-K22:14		
36-11	1.5			Conductor / wire		-H69:x1			-K22:12		

Connection list

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Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
36-14	1.5			Conductor / wire		-K23:A1			-Q29:14		
36-13	1.5			Conductor / wire		-Q29:13			-S50:4		
36-13	1.5			Conductor / wire		-K23:24			-Q29:13		
36-12	1.5			Conductor / wire		-S49:2			-S50:3		
36-12	1.5			Conductor / wire		-K23:23			-S50:3		
36-15	1.5			Conductor / wire		-H70:x1			-K23:14		
36-16	1.5			Conductor / wire		-H71:x1			-K23:12		
36-19	1.5			Conductor / wire		-K24:A1			-Q30:14		
36-18	1.5			Conductor / wire		-Q30:13			-S52:4		
36-18	1.5			Conductor / wire		-K24:24			-Q30:13		
36-17	1.5			Conductor / wire		-S51:2			-S52:3		
36-17	1.5			Conductor / wire		-K24:23			-S52:3		
36-20	1.5			Conductor / wire		-H72:x1			-K24:14		
36-21	1.5			Conductor / wire		-H73:x1			-K24:12		
N	1.5			Conductor / wire					-K25:A2		
N	1.5			Conductor / wire		-H74:x2			-K25:A2		
N	1.5			Conductor / wire		-H74:x2			-H75:x2		
N	1.5			Conductor / wire		-H75:x2			-K26:A2		
N	1.5			Conductor / wire		-H76:x2			-K26:A2		
N	1.5			Conductor / wire		-H76:x2			-H77:x2		
37-1	1.5			Conductor / wire		-H77:x2			-K27:A2		
N	1.5			Conductor / wire		-H78:x2			-K27:A2		
N	1.5			Conductor / wire		-H78:x2			-H79:x2		
N	1.5			Conductor / wire		-H79:x2			-K28:A2		
N	1.5			Conductor / wire		-H80:x2			-K28:A2		
N	1.5			Conductor / wire		-H80:x2			-H81:x2		
N	1.5			Conductor / wire					-H81:x2		

Connection list

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Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
18-14	1.5			Conductor / wire		-PHC2:21			-PM2-R		
37-1	1.5			Conductor / wire		-PHC2:24			-S53:1		
37-1	1.5			Conductor / wire		-K25:13			-S53:1		
37-1	1.5			Conductor / wire		-K25:11			-K25:13		
37-1	1.5			Conductor / wire		-K25:11			-S55:1		
37-1	1.5			Conductor / wire		-K26:13			-S55:1		
37-1	1.5			Conductor / wire		-K26:11			-K26:13		
37-1	1.5			Conductor / wire		-K26:11			-S57:1		
37-1	1.5			Conductor / wire		-K27:13			-S57:1		
37-1	1.5			Conductor / wire		-K27:11			-K27:13		
37-1	1.5			Conductor / wire		-K27:11			-S59:1		
37-1	1.5			Conductor / wire		-K28:13			-S59:1		
37-1	1.5			Conductor / wire		-K28:11			-K28:13		
31-1	1.5			Conductor / wire		-K28:11			-S61:1		
37-1	1.5			Conductor / wire		-K29:13			-S61:1		
37-1	1.5			Conductor / wire		-K29:11			-K29:13		
37-1	1.5			Conductor / wire		-K29:11			-S63:1		
37-1	1.5			Conductor / wire		-K30:13			-S63:1		
37-1	1.5			Conductor / wire		-K30:11			-K30:13		
37-1	1.5			Conductor / wire		-K30:11			-S65:1		
37-1	1.5			Conductor / wire		-K31:13			-S65:1		
37-1	1.5			Conductor / wire		-K31:11			-K31:13		
37-1	1.5			Conductor / wire		-K31:11			-S67:1		
37-1	1.5			Conductor / wire		-K32:13			-S67:1		
37-1	1.5			Conductor / wire		-K32:11			-K32:13		
31-1	1.5			Conductor / wire		-K32:11			-S69:1		
37-1	1.5			Conductor / wire		-K33:13			-S69:1		

Connection list

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Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
37-1	1.5			Conductor / wire		-K33:11			-K33:13		
37-1	1.5			Conductor / wire		-K33:11			-S71:1		
37-1	1.5			Conductor / wire		-K34:13			-S71:1		
37-1	1.5			Conductor / wire		-K34:11			-K34:13		
37-1	1.5			Conductor / wire		-K34:11			-S73:1		
37-1	1.5			Conductor / wire		-K35:13			-S73:1		
37-1	1.5			Conductor / wire		-K35:11			-K35:13		
37-1	1.5			Conductor / wire		-K35:11			-S75:1		
37-1	1.5			Conductor / wire		-K36:13			-S75:1		
37-1	1.5			Conductor / wire		-K36:11			-K36:13		
31-1	1.5			Conductor / wire		-K36:11			-S77:1		
37-1	1.5			Conductor / wire		-K37:13			-S77:1		
37-1	1.5			Conductor / wire		-K37:11			-K37:13		
37-1	1.5			Conductor / wire		-K37:11			-S79:1		
37-1	1.5			Conductor / wire		-K38:13			-S79:1		
37-1	1.5			Conductor / wire		-K38:11			-K38:13		
37-1	1.5			Conductor / wire		-K38:11			-S81:1		
37-1	1.5			Conductor / wire		-K39:13			-S81:1		
37-1	1.5			Conductor / wire		-K39:11			-K39:13		
37-1	1.5			Conductor / wire		-K39:11			-S83:1		
37-1	1.5			Conductor / wire		-K40:13			-S83:1		
37-1	1.5			Conductor / wire		-K40:11			-K40:13		
31-1	1.5			Conductor / wire		-K40:11			-S85:1		
37-1	1.5			Conductor / wire		-K41:13			-S85:1		
37-1	1.5			Conductor / wire		-K41:11			-K41:13		
37-1	1.5			Conductor / wire		-K41:11			-S87:1		
37-1	1.5			Conductor / wire		-K42:13			-S87:1		

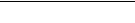
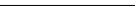
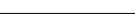
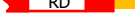
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
37-1	1.5			Conductor / wire		-K42:11			-K42:13		
37-1	1.5			Conductor / wire		-K42:11			-S89:1		
37-1	1.5			Conductor / wire		-K43:13			-S89:1		
37-1	1.5			Conductor / wire		-K43:11			-K43:13		
37-1	1.5			Conductor / wire		-K43:11			-S91:1		
37-1	1.5			Conductor / wire		-K44:13			-S91:1		
37-1	1.5			Conductor / wire		-K44:11			-K44:13		
31-1	1.5			Conductor / wire		-K44:11			-S93:1		
37-1	1.5			Conductor / wire		-K45:13			-S93:1		
37-1	1.5			Conductor / wire		-K45:11			-K45:13		
37-1	1.5			Conductor / wire		-K45:11			-S95:1		
37-1	1.5			Conductor / wire		-K46:13			-S95:1		
37-1	1.5			Conductor / wire		-K46:11			-K46:13		
37-1	1.5			Conductor / wire		-K46:11			-S97:1		
37-1	1.5			Conductor / wire		-K47:13			-S97:1		
37-1	1.5			Conductor / wire		-K47:11			-K47:13		
37-1	1.5			Conductor / wire		-K47:11			-S99:1		
37-1	1.5			Conductor / wire		-K48:13			-S99:1		
37-1	1.5			Conductor / wire		-K48:11			-K48:13		
31-1	1.5			Conductor / wire		-K48:11			-S101:1		
37-1	1.5			Conductor / wire		-K49:13			-S101:1		
37-1	1.5			Conductor / wire		-K49:11			-K49:13		
37-1	1.5			Conductor / wire		-K49:11			-S103:1		
37-1	1.5			Conductor / wire		-K50:13			-S103:1		
37-1	1.5			Conductor / wire		-K50:11			-K50:13		
37-1	1.5			Conductor / wire		-K50:11			-S105:1		
37-1	1.5			Conductor / wire		-K51:13			-S105:1		

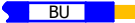
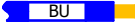
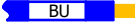
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
37-1	1.5			Conductor / wire		-K51:11			-K51:13		
37-1	1.5			Conductor / wire		-K51:11			-S107:1		
37-1	1.5			Conductor / wire		-K52:13			-S107:1		
37-1	1.5			Conductor / wire		-K52:11			-K52:13		
31-1	1.5			Conductor / wire		-K52:11			-S109:1		
37-1	1.5			Conductor / wire		-K53:13			-S109:1		
37-1	1.5			Conductor / wire		-K53:11			-K53:13		
37-1	1.5			Conductor / wire		-K53:11			-S111:1		
37-1	1.5			Conductor / wire		-K54:13			-S111:1		
37-1	1.5			Conductor / wire		-K54:11			-K54:13		
37-1	1.5			Conductor / wire		-K54:11			-S113:1		
37-1	1.5			Conductor / wire		-K55:13			-S113:1		
37-1	1.5			Conductor / wire		-K55:11			-K55:13		
37-1	1.5			Conductor / wire		-K55:11			-S115:1		
37-1	1.5			Conductor / wire		-K56:13			-S115:1		
37-1	1.5			Conductor / wire		-K56:11			-K56:13		
37-5	1.5			Conductor / wire		-K25:A1			-Q31:14		
37-4	1.5			Conductor / wire		-Q31:13			-S54:4		
37-4	1.5			Conductor / wire		-K25:24			-Q31:13		
37-3	1.5			Conductor / wire		-S53:2			-S54:3		
37-3	1.5			Conductor / wire		-K25:23			-S54:3		
37-6	1.5			Conductor / wire		-H74:x1			-K25:14		
37-7	1.5			Conductor / wire		-H75:x1			-K25:12		
37-10	1.5			Conductor / wire		-K26:A1			-Q32:14		
37-9	1.5			Conductor / wire		-Q32:13			-S56:4		
37-9	1.5			Conductor / wire		-K26:24			-Q32:13		
37-8	1.5			Conductor / wire		-S55:2			-S56:3		

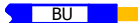
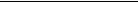
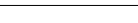
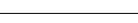
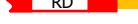
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
37-8	1.5			Conductor / wire		-K26:23			-S56:3		
37-11	1.5			Conductor / wire		-H76:x1			-K26:14		
37-12	1.5			Conductor / wire		-H77:x1			-K26:12		
37-15	1.5			Conductor / wire		-K27:A1			-Q33:14		
37-14	1.5			Conductor / wire		-Q33:13			-S58:4		
37-14	1.5			Conductor / wire		-K27:24			-Q33:13		
37-13	1.5			Conductor / wire		-S57:2			-S58:3		
37-13	1.5			Conductor / wire		-K27:23			-S58:3		
37-16	1.5			Conductor / wire		-H78:x1			-K27:14		
37-17	1.5			Conductor / wire		-H79:x1			-K27:12		
37-20	1.5			Conductor / wire		-K28:A1			-Q34:14		
37-19	1.5			Conductor / wire		-Q34:13			-S60:4		
37-19	1.5			Conductor / wire		-K28:24			-Q34:13		
37-18	1.5			Conductor / wire		-S59:2			-S60:3		
37-18	1.5			Conductor / wire		-K28:23			-S60:3		
37-21	1.5			Conductor / wire		-H80:x1			-K28:14		
37-22	1.5			Conductor / wire		-H81:x1			-K28:12		
N	1.5			Conductor / wire					-K29:A2		
N	1.5			Conductor / wire		-H82:x2			-K29:A2		
N	1.5			Conductor / wire		-H82:x2			-H83:x2		
N	1.5			Conductor / wire		-H83:x2			-K30:A2		
N	1.5			Conductor / wire		-H84:x2			-K30:A2		
N	1.5			Conductor / wire		-H84:x2			-H85:x2		
N	1.5			Conductor / wire		-H85:x2			-K31:A2		
N	1.5			Conductor / wire		-H86:x2			-K31:A2		
N	1.5			Conductor / wire		-H86:x2			-H87:x2		
N	1.5			Conductor / wire		-H87:x2			-K32:A2		

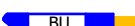
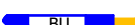
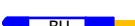
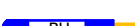
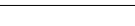
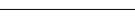
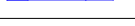
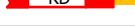
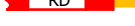
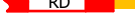
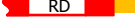
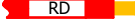
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
N	1.5			Conductor / wire		-H88:x2			-K32:A2		
N	1.5			Conductor / wire		-H88:x2			-H89:x2		
N	1.5			Conductor / wire					-H89:x2		
38-4	1.5			Conductor / wire		-K29:A1			-Q35:14		
38-3	1.5			Conductor / wire		-Q35:13			-S62:4		
38-3	1.5			Conductor / wire		-K29:24			-Q35:13		
38-2	1.5			Conductor / wire		-S61:2			-S62:3		
38-2	1.5			Conductor / wire		-K29:23			-S62:3		
38-5	1.5			Conductor / wire		-H82:x1			-K29:14		
38-6	1.5			Conductor / wire		-H83:x1			-K29:12		
38-9	1.5			Conductor / wire		-K30:A1			-Q36:14		
38-8	1.5			Conductor / wire		-Q36:13			-S64:4		
38-8	1.5			Conductor / wire		-K30:24			-Q36:13		
38-7	1.5			Conductor / wire		-S63:2			-S64:3		
38-7	1.5			Conductor / wire		-K30:23			-S64:3		
38-10	1.5			Conductor / wire		-H84:x1			-K30:14		
38-11	1.5			Conductor / wire		-H85:x1			-K30:12		
38-14	1.5			Conductor / wire		-K31:A1			-Q37:14		
38-13	1.5			Conductor / wire		-Q37:13			-S66:4		
38-13	1.5			Conductor / wire		-K31:24			-Q37:13		
38-12	1.5			Conductor / wire		-S65:2			-S66:3		
38-12	1.5			Conductor / wire		-K31:23			-S66:3		
38-15	1.5			Conductor / wire		-H86:x1			-K31:14		
38-16	1.5			Conductor / wire		-H87:x1			-K31:12		
38-19	1.5			Conductor / wire		-K32:A1			-Q38:14		
38-18	1.5			Conductor / wire		-Q38:13			-S68:4		
38-18	1.5			Conductor / wire		-K32:24			-Q38:13		

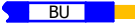
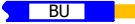
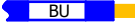
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
38-17	1.5			Conductor / wire		-S67:2			-S68:3		
38-17	1.5			Conductor / wire		-K32:23			-S68:3		
38-20	1.5			Conductor / wire		-H88:x1			-K32:14		
38-21	1.5			Conductor / wire		-H89:x1			-K32:12		
N	1.5			Conductor / wire					-K33:A2		
N	1.5			Conductor / wire		-H90:x2			-K33:A2		
N	1.5			Conductor / wire		-H90:x2			-H91:x2		
N	1.5			Conductor / wire		-H91:x2			-K34:A2		
N	1.5			Conductor / wire		-H92:x2			-K34:A2		
N	1.5			Conductor / wire		-H92:x2			-H93:x2		
N	1.5			Conductor / wire		-H93:x2			-K35:A2		
N	1.5			Conductor / wire		-H94:x2			-K35:A2		
N	1.5			Conductor / wire		-H94:x2			-H95:x2		
N	1.5			Conductor / wire		-H95:x2			-K36:A2		
N	1.5			Conductor / wire		-H96:x2			-K36:A2		
N	1.5			Conductor / wire		-H96:x2			-H97:x2		
N	1.5			Conductor / wire					-H97:x2		
39-4	1.5			Conductor / wire		-K33:A1			-Q39:14		
39-3	1.5			Conductor / wire		-Q39:13			-S70:4		
39-3	1.5			Conductor / wire		-K33:24			-Q39:13		
39-2	1.5			Conductor / wire		-S69:2			-S70:3		
39-2	1.5			Conductor / wire		-K33:23			-S70:3		
39-5	1.5			Conductor / wire		-H90:x1			-K33:14		
39-6	1.5			Conductor / wire		-H91:x1			-K33:12		
39-9	1.5			Conductor / wire		-K34:A1			-Q40:14		
39-8	1.5			Conductor / wire		-Q40:13			-S72:4		
39-8	1.5			Conductor / wire		-K34:24			-Q40:13		

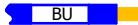
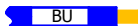
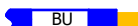
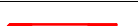
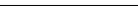
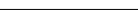
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
39-7	1.5			Conductor / wire		-S71:2			-S72:3		
39-7	1.5			Conductor / wire		-K34:23			-S72:3		
39-10	1.5			Conductor / wire		-H92:x1			-K34:14		
39-11	1.5			Conductor / wire		-H93:x1			-K34:12		
39-14	1.5			Conductor / wire		-K35:A1			-Q41:14		
39-13	1.5			Conductor / wire		-Q41:13			-S74:4		
39-13	1.5			Conductor / wire		-K35:24			-Q41:13		
39-12	1.5			Conductor / wire		-S73:2			-S74:3		
39-12	1.5			Conductor / wire		-K35:23			-S74:3		
39-15	1.5			Conductor / wire		-H94:x1			-K35:14		
39-16	1.5			Conductor / wire		-H95:x1			-K35:12		
39-19	1.5			Conductor / wire		-K36:A1			-Q42:14		
39-18	1.5			Conductor / wire		-Q42:13			-S76:4		
39-18	1.5			Conductor / wire		-K36:24			-Q42:13		
39-17	1.5			Conductor / wire		-S75:2			-S76:3		
39-17	1.5			Conductor / wire		-K36:23			-S76:3		
39-20	1.5			Conductor / wire		-H96:x1			-K36:14		
39-21	1.5			Conductor / wire		-H97:x1			-K36:12		
N	1.5			Conductor / wire					-K37:A2		
N	1.5			Conductor / wire		-H98:x2			-K37:A2		
N	1.5			Conductor / wire		-H98:x2			-H99:x2		
N	1.5			Conductor / wire		-H99:x2			-K38:A2		
N	1.5			Conductor / wire		-H100:x2			-K38:A2		
N	1.5			Conductor / wire		-H100:x2			-H101:x2		
N	1.5			Conductor / wire		-H101:x2			-K39:A2		
N	1.5			Conductor / wire		-H102:x2			-K39:A2		
N	1.5			Conductor / wire		-H102:x2			-H103:x2		

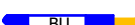
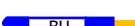
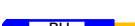
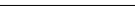
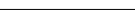
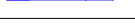
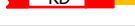
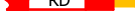
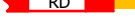
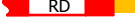
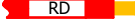
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
N	1.5			Conductor / wire		-H103:x2			-K40:A2		
N	1.5			Conductor / wire		-H104:x2			-K40:A2		
N	1.5			Conductor / wire		-H104:x2			-H105:x2		
N	1.5			Conductor / wire					-H105:x2		
40-4	1.5			Conductor / wire		-K37:A1			-Q43:14		
40-3	1.5			Conductor / wire		-Q43:13			-S78:4		
40-3	1.5			Conductor / wire		-K37:24			-Q43:13		
40-2	1.5			Conductor / wire		-S77:2			-S78:3		
40-2	1.5			Conductor / wire		-K37:23			-S78:3		
40-5	1.5			Conductor / wire		-H98:x1			-K37:14		
40-6	1.5			Conductor / wire		-H99:x1			-K37:12		
40-9	1.5			Conductor / wire		-K38:A1			-Q44:14		
40-8	1.5			Conductor / wire		-Q44:13			-S80:4		
40-8	1.5			Conductor / wire		-K38:24			-Q44:13		
40-7	1.5			Conductor / wire		-S79:2			-S80:3		
40-7	1.5			Conductor / wire		-K38:23			-S80:3		
40-10	1.5			Conductor / wire		-H100:x1			-K38:14		
40-11	1.5			Conductor / wire		-H101:x1			-K38:12		
40-14	1.5			Conductor / wire		-K39:A1			-Q45:14		
40-13	1.5			Conductor / wire		-Q45:13			-S82:4		
40-13	1.5			Conductor / wire		-K39:24			-Q45:13		
40-12	1.5			Conductor / wire		-S81:2			-S82:3		
40-12	1.5			Conductor / wire		-K39:23			-S82:3		
40-15	1.5			Conductor / wire		-H102:x1			-K39:14		
40-16	1.5			Conductor / wire		-H103:x1			-K39:12		
40-19	1.5			Conductor / wire		-K40:A1			-Q46:14		
40-18	1.5			Conductor / wire		-Q46:13			-S84:4		

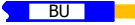
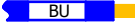
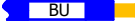
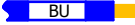
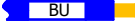
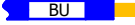
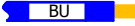
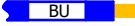
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
40-18	1.5			Conductor / wire		-K40:24			-Q46:13		
40-17	1.5			Conductor / wire		-S83:2			-S84:3		
40-17	1.5			Conductor / wire		-K40:23			-S84:3		
40-20	1.5			Conductor / wire		-H104:x1			-K40:14		
40-21	1.5			Conductor / wire		-H105:x1			-K40:12		
N	1.5			Conductor / wire					-K41:A2		
N	1.5			Conductor / wire		-H106:x2			-K41:A2		
N	1.5			Conductor / wire		-H106:x2			-H107:x2		
N	1.5			Conductor / wire		-H107:x2			-K42:A2		
N	1.5			Conductor / wire		-H108:x2			-K42:A2		
N	1.5			Conductor / wire		-H108:x2			-H109:x2		
N	1.5			Conductor / wire		-H109:x2			-K43:A2		
N	1.5			Conductor / wire		-H110:x2			-K43:A2		
N	1.5			Conductor / wire		-H110:x2			-H111:x2		
N	1.5			Conductor / wire		-H111:x2			-K44:A2		
N	1.5			Conductor / wire		-H112:x2			-K44:A2		
N	1.5			Conductor / wire		-H112:x2			-H113:x2		
N	1.5			Conductor / wire					-H113:x2		
41-4	1.5			Conductor / wire		-K41:A1			-Q47:14		
41-3	1.5			Conductor / wire		-Q47:13			-S86:4		
41-3	1.5			Conductor / wire		-K41:24			-Q47:13		
41-2	1.5			Conductor / wire		-S85:2			-S86:3		
41-2	1.5			Conductor / wire		-K41:23			-S86:3		
41-5	1.5			Conductor / wire		-H106:x1			-K41:14		
41-6	1.5			Conductor / wire		-H107:x1			-K41:12		
41-9	1.5			Conductor / wire		-K42:A1			-Q48:14		
41-8	1.5			Conductor / wire		-Q48:13			-S88:4		

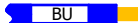
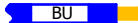
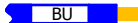
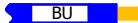
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
41-8	1.5			Conductor / wire		-K42:24			-Q48:13		
41-7	1.5			Conductor / wire		-S87:2			-S88:3		
41-7	1.5			Conductor / wire		-K42:23			-S88:3		
41-10	1.5			Conductor / wire		-H108:x1			-K42:14		
41-11	1.5			Conductor / wire		-H109:x1			-K42:12		
41-14	1.5			Conductor / wire		-K43:A1			-Q49:14		
41-13	1.5			Conductor / wire		-Q49:13			-S90:4		
41-13	1.5			Conductor / wire		-K43:24			-Q49:13		
41-12	1.5			Conductor / wire		-S89:2			-S90:3		
41-12	1.5			Conductor / wire		-K43:23			-S90:3		
41-15	1.5			Conductor / wire		-H110:x1			-K43:14		
41-16	1.5			Conductor / wire		-H111:x1			-K43:12		
41-19	1.5			Conductor / wire		-K44:A1			-Q50:14		
41-18	1.5			Conductor / wire		-Q50:13			-S92:4		
41-18	1.5			Conductor / wire		-K44:24			-Q50:13		
41-17	1.5			Conductor / wire		-S91:2			-S92:3		
41-17	1.5			Conductor / wire		-K44:23			-S92:3		
41-20	1.5			Conductor / wire		-H112:x1			-K44:14		
41-21	1.5			Conductor / wire		-H113:x1			-K44:12		
N	1.5			Conductor / wire					-K45:A2		
N	1.5			Conductor / wire		-H114:x2			-K45:A2		
N	1.5			Conductor / wire		-H114:x2			-H115:x2		
N	1.5			Conductor / wire		-H115:x2			-K46:A2		
N	1.5			Conductor / wire		-H116:x2			-K46:A2		
N	1.5			Conductor / wire		-H116:x2			-H117:x2		
N	1.5			Conductor / wire		-H117:x2			-K47:A2		
N	1.5			Conductor / wire		-H118:x2			-K47:A2		

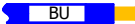
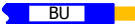
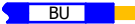
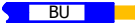
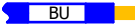
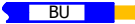
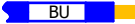
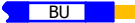
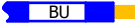
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
N	1.5			Conductor / wire		-H118:x2			-H119:x2		
N	1.5			Conductor / wire		-H119:x2			-K48:A2		
N	1.5			Conductor / wire		-H120:x2			-K48:A2		
N	1.5			Conductor / wire		-H120:x2			-H121:x2		
N	1.5			Conductor / wire					-H121:x2		
42-4	1.5			Conductor / wire		-K45:A1			-Q51:14		
42-3	1.5			Conductor / wire		-Q51:13			-S94:4		
42-3	1.5			Conductor / wire		-K45:24			-Q51:13		
42-2	1.5			Conductor / wire		-S93:2			-S94:3		
42-2	1.5			Conductor / wire		-K45:23			-S94:3		
42-5	1.5			Conductor / wire		-H114:x1			-K45:14		
42-6	1.5			Conductor / wire		-H115:x1			-K45:12		
42-9	1.5			Conductor / wire		-K46:A1			-Q52:14		
42-8	1.5			Conductor / wire		-Q52:13			-S96:4		
42-8	1.5			Conductor / wire		-K46:24			-Q52:13		
42-7	1.5			Conductor / wire		-S95:2			-S96:3		
42-7	1.5			Conductor / wire		-K46:23			-S96:3		
42-10	1.5			Conductor / wire		-H116:x1			-K46:14		
42-11	1.5			Conductor / wire		-H117:x1			-K46:12		
42-14	1.5			Conductor / wire		-K47:A1			-Q53:14		
42-13	1.5			Conductor / wire		-Q53:13			-S98:4		
42-13	1.5			Conductor / wire		-K47:24			-Q53:13		
42-12	1.5			Conductor / wire		-S97:2			-S98:3		
42-12	1.5			Conductor / wire		-K47:23			-S98:3		
42-15	1.5			Conductor / wire		-H118:x1			-K47:14		
42-16	1.5			Conductor / wire		-H119:x1			-K47:12		
42-19	1.5			Conductor / wire		-K48:A1			-Q54:14		

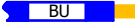
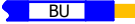
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
42-18	1.5			Conductor / wire		-Q54:13			-S100:4		
42-18	1.5			Conductor / wire		-K48:24			-Q54:13		
42-17	1.5			Conductor / wire		-S99:2			-S100:3		
42-17	1.5			Conductor / wire		-K48:23			-S100:3		
42-20	1.5			Conductor / wire		-H120:x1			-K48:14		
42-21	1.5			Conductor / wire		-H121:x1			-K48:12		
N	1.5			Conductor / wire					-K49:A2		
N	1.5			Conductor / wire		-H122:x2			-K49:A2		
N	1.5			Conductor / wire		-H122:x2			-H123:x2		
N	1.5			Conductor / wire		-H123:x2			-K50:A2		
N	1.5			Conductor / wire		-H124:x2			-K50:A2		
N	1.5			Conductor / wire		-H124:x2			-H125:x2		
N	1.5			Conductor / wire		-H125:x2			-K51:A2		
N	1.5			Conductor / wire		-H126:x2			-K51:A2		
N	1.5			Conductor / wire		-H126:x2			-H127:x2		
N	1.5			Conductor / wire		-H127:x2			-K52:A2		
N	1.5			Conductor / wire		-H128:x2			-K52:A2		
N	1.5			Conductor / wire		-H128:x2			-H129:x2		
N	1.5			Conductor / wire					-H129:x2		
43-4	1.5			Conductor / wire		-K49:A1			-Q55:14		
43-3	1.5			Conductor / wire		-Q55:13			-S102:4		
43-3	1.5			Conductor / wire		-K49:24			-Q55:13		
43-2	1.5			Conductor / wire		-S101:2			-S102:3		
43-2	1.5			Conductor / wire		-K49:23			-S102:3		
43-5	1.5			Conductor / wire		-H122:x1			-K49:14		
43-6	1.5			Conductor / wire		-H123:x1			-K49:12		
43-9	1.5			Conductor / wire		-K50:A1			-Q56:14		

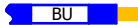
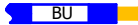
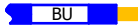
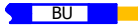
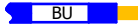
Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
43-8	1.5			Conductor / wire		-Q56:13			-S104:4		
43-8	1.5			Conductor / wire		-K50:24			-Q56:13		
43-7	1.5			Conductor / wire		-S103:2			-S104:3		
43-7	1.5			Conductor / wire		-K50:23			-S104:3		
43-10	1.5			Conductor / wire		-H124:x1			-K50:14		
43-11	1.5			Conductor / wire		-H125:x1			-K50:12		
43-14	1.5			Conductor / wire		-K51:A1			-Q57:14		
43-13	1.5			Conductor / wire		-Q57:13			-S106:4		
43-13	1.5			Conductor / wire		-K51:24			-Q57:13		
43-12	1.5			Conductor / wire		-S105:2			-S106:3		
43-12	1.5			Conductor / wire		-K51:23			-S106:3		
43-15	1.5			Conductor / wire		-H126:x1			-K51:14		
43-16	1.5			Conductor / wire		-H127:x1			-K51:12		
43-19	1.5			Conductor / wire		-K52:A1			-Q58:14		
43-18	1.5			Conductor / wire		-Q58:13			-S108:4		
43-18	1.5			Conductor / wire		-K52:24			-Q58:13		
43-17	1.5			Conductor / wire		-S107:2			-S108:3		
43-17	1.5			Conductor / wire		-K52:23			-S108:3		
43-20	1.5			Conductor / wire		-H128:x1			-K52:14		
43-21	1.5			Conductor / wire		-H129:x1			-K52:12		
N	1.5			Conductor / wire					-K53:A2		
N	1.5			Conductor / wire		-H130:x2			-K53:A2		
N	1.5			Conductor / wire		-H130:x2			-H131:x2		
N	1.5			Conductor / wire		-H131:x2			-K54:A2		
N	1.5			Conductor / wire		-H132:x2			-K54:A2		
N	1.5			Conductor / wire		-H132:x2			-H133:x2		
N	1.5			Conductor / wire		-H133:x2			-K55:A2		

Connection list

F27_007

Connection	Cross-section	Color	Length	Function definition	Routed	Source	Stripping length: Source	Conductor termination processing: Source	Target	Stripping length: Target	Conductor termination processing: Target
N	1.5			Conductor / wire		-H134:x2			-K55:A2		
N	1.5			Conductor / wire		-H134:x2			-H135:x2		
N	1.5			Conductor / wire		-H135:x2			-K56:A2		
N	1.5			Conductor / wire		-H136:x2			-K56:A2		
N	1.5			Conductor / wire		-H136:x2			-H137:x2		
44-4	1.5			Conductor / wire		-K53:A1			-Q59:14		
44-3	1.5			Conductor / wire		-Q59:13			-S110:4		
44-3	1.5			Conductor / wire		-K53:24			-Q59:13		
44-2	1.5			Conductor / wire		-S109:2			-S110:3		
44-2	1.5			Conductor / wire		-K53:23			-S110:3		
44-5	1.5			Conductor / wire		-H130:x1			-K53:14		
44-6	1.5			Conductor / wire		-H131:x1			-K53:12		
44-9	1.5			Conductor / wire		-K54:A1			-Q60:14		
44-8	1.5			Conductor / wire		-Q60:13			-S112:4		
44-8	1.5			Conductor / wire		-K54:24			-Q60:13		
44-7	1.5			Conductor / wire		-S111:2			-S112:3		
44-7	1.5			Conductor / wire		-K54:23			-S112:3		
44-10	1.5			Conductor / wire		-H132:x1			-K54:14		
44-11	1.5			Conductor / wire		-H133:x1			-K54:12		
44-14	1.5			Conductor / wire		-K55:A1			-Q61:14		
44-13	1.5			Conductor / wire		-Q61:13			-S114:4		
44-13	1.5			Conductor / wire		-K55:24			-Q61:13		
44-12	1.5			Conductor / wire		-S113:2			-S114:3		
44-12	1.5			Conductor / wire		-K55:23			-S114:3		
44-15	1.5			Conductor / wire		-H134:x1			-K55:14		
44-16	1.5			Conductor / wire		-H135:x1			-K55:12		
44-19	1.5			Conductor / wire		-K56:A1			-Q62:14		

						MANUFACTURER :  NOOR KAVAN RASAM	DESIGNER :	PROJECT :	NOTES :	DOCUMENT TITLE : CONNECTION LIST	CONTRACT NUMBER :	SIZE	SCALE	SHEET
00	2025/8/7	ISSUE FOR REVIEW	M.KHEIROLLAHZADE	M.KHEIROLLAHZADE	EN.BAGHDADI						DOCUMENT NUMBER : kaloob 0022	A4	1 : 1	120F 127
REV .	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED									

