

BS control panel (double row) - Alfa-V

drawing number: SMXC283



alfa.luvegroup.com

BOARD RATED VALUE

VOLTAGE DC	---
VOLTAGE AC	400 Vac \pm 10%
FREQUENCY	50 - 60 Hz
POWER MAX	0.5-60 KW
SHORT CIRCUIT CURRENT (Icc)	10 KA
IP DEGREE WITH CLOSED DOORS	IP54
IP DEGREE WITH OPENED DOORS	IP20

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02	New brand	18/12/2019	PCIA	User	ITALPCIA
01	Changed labels and added layout	07/07/2017	PCIA	Proved	D. Rizzotti
Status	change	date	name		



HEADING PAGE

Document number: SMXC283-02 Sheet 1
Sh. 20

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02-02-01 CORRENTE CONTINUA 02-02-03 DIRECT CURRENT		02-13-25 	COMANDO DI PROTEZIONE TERMICA THERMAL PROTECTION CONTROL	03-03-05 	CONNETTORE COMPLETO PLUG AND SOCKET	05-06-02 	DISPOSITIVO FOTOCONDUITIVO DEL FOTODIODO CON CONDUCEBILITÀ ASIMMETRICA PHOTODIODE PHOTO-CONDUCTIVE DEVICE WITH ASYMMETRICAL CONDUCTIVITY
02-12-04 CORRENTE ALTERNATA ALTERNATE CURRENT		02-13-26 	COMANDO MOTORE ELETTRICO ELECTRIC MOTOR CONTROL	03-03-17 	PIASTRINA DI CONNESSIONE CHIUSA CONNECTING LINK, CLOSED	06-09-02 	TRASFORMATORE DI TENSIONE VOLTAGE TRANSFORMER
02-08-01 TERMICA THERMAL EFFECT		02-13-27 	COMANDO TIMER ELECTRIC CLOCK CONTROL	03-03-19 	PIASTRINA DI CONNESSIONE APERTA CONNECTING LINK, OPEN	06-09-11 	TRASFORMATORE DI CORRENTE CURRENT TRANSFORMER
02-08-02 MAGNETICA ELECTROMAGNETIC EFFECT		02-15-01 	TERRA EARTHING	04-01-01 	RESISTENZA RESISTOR	06-10-01 06-10-02 	TRASFORMATORE DI MONOFASE CON DUE BOBINE E SCHERMI SINGLE PHASE TRANSFORMER WITH TWO WINDINGS AND SCREEN
02-12-01 CONNESSIONE MECCANICA PNEUMATICA O IDRAULICA MECHANICAL, PNEUMATIC OR HYDRAULIC CONNECTION		02-17-06 	CONVERTITORE CONVERTER	04-01-01 	RESISTENZA VARIABILE (POTENZIOMETRO) VARIABLE RESISTOR	06-10-03 06-10-04 	TRASFORMATORE CON IL CENTRO DELLE BOBINE IN COMUNE TRANSFORMER WITH CENTER TAPPING ON ONE WINDINGS
02-12-05 MOVIMENTO IN RITARDO (NEL SENSO DEL MOVIMENTO DELL'ARCO AL RELATIVO CENTRO) 02-12-06 DELAYED MOVEMENT (IN SENSE OF ARC MOVEMENT TO ITS CENTER)		03-01-01 	CONDUTTORE CONDUCTOR	04-01-12 	SCALDIGLIA HEATER	06-15-01 	BATTERIA BATTERY OF PRIMARY OR SECONDARY CELLS
02-12-11 INTERBLOCCO MECCANICO TRA DUE DISPOSITIVI MECHANICAL INTERLOCK BETWEEN TWO DEVICES		03-01-02 	CONDUTTORE TRIFASE THREE CONDUCTORS	04-02-01 	CONDENSATORE CAPACITOR	07-02-01 	CONTATTO NORMALMENTE APERTO OPEN CONTACT
02-13-04 COMANDO SELETTORE ROTATIVE CONTROL		03-02-01 	NODO DI CONNESSIONE WIRES CONNECTION		DIVISORE CONDENSATORE CAPACITIVE DIVISOR	07-02-03 	CONTATTO NORMALMENTE CHIUSO CLOSED CONTACT
02-13-05 COMANDO PULSANTE PUSH-BUTTON CONTROL		03-02-02 	MORSETTO TERMINALS	04-03-01 	INDUCTOR COIL WINDING	07-02-04 	CONTATTO IN SCAMBIO CHANGEOVER CONTACT
02-13-08 COMANDO PULSANTE A FUNGO DI ARRESTO-EMERGENZA SAFETY OR EMERGENCY CONTROL WITH MUSHROOM PUSH-BUTTON		03-02-05 	CONNESSIONE A "T" T-CONNECTION	05-03-01 	DIODO DIODE	07-05-02 	IN RITARDO QUANDO IL DISPOSITIVO CHE CONTIENE IL CONTATTO STA ATTIVANDO (CONTATTI RITARDATI) MAKE CONTACT, DELAYED WHEN THE DEVICE CONTAINING THE CONTACT IS BEING ACTIVATED
02-13-10 COMANDO A PEDALE PEDAL CONTROL		03-03-01 	CONTATTO FEMMINA (PER CONNETTORE) FEMALE CONTACT (OF A SOCKET OR PLUG)	05-03-02 	DIODO LED LIGHT EMITTING DIODE	07-05-04 	CONTATTO DI ROTTURA, IN RITARDO QUANDO IL DISPOSITIVO CHE CONTIENE IL CONTATTO STA DISATTIVANDO BREAK CONTACT, DELAYED WHEN THE DEVICE CONTAINING THE CONTACT IS BEING DE-ACTIVATED
02-13-13 COMANDO A CHIAVE KEY CONTROL		03-03-03 	CONTATTO MASCHIO (PER CONNETTORE) MALE CONTACT (OF A SOCKET OR PLUG)	05-06-01 	DISPOSITIVO FOTOCONDUITIVO DEL RESISTORE DIPENDENTE DALLA LUCE CON CONDUCEBILITÀ SIMMETRICA LIGHT DEPENDENT RESISTOR PHOTO-CONDUCTIVE DEVICE WITH SYMMETRICAL CONDUCTIVITY	07-07-01 	INTERRUTTORE MANUALE MANUALLY OPERATED SWITCH

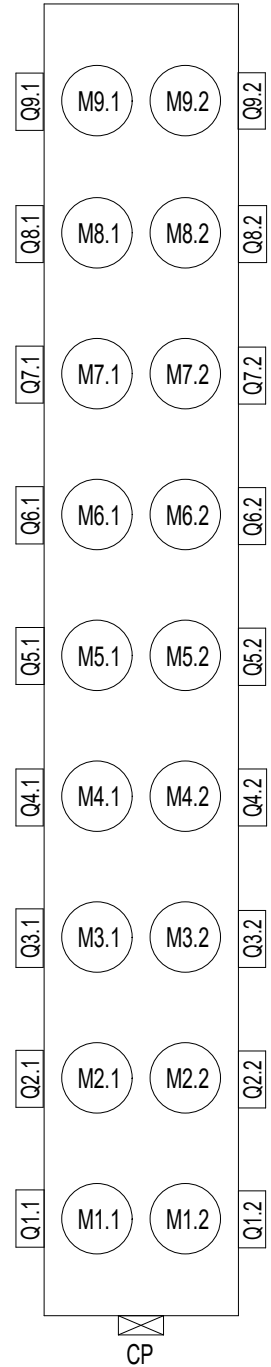
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GRAPHICAL SYMBOL LIST

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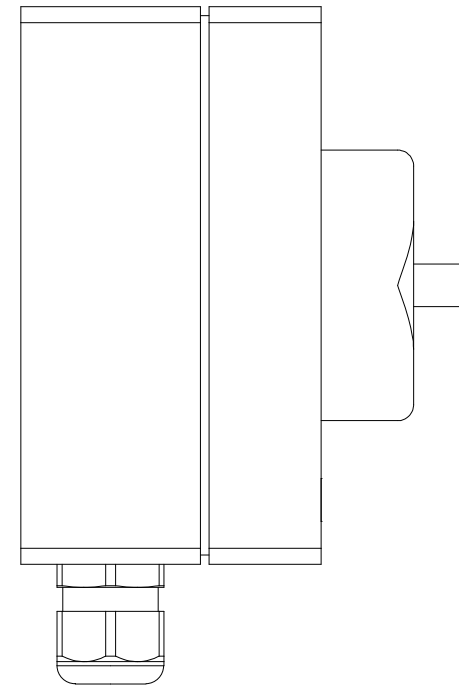
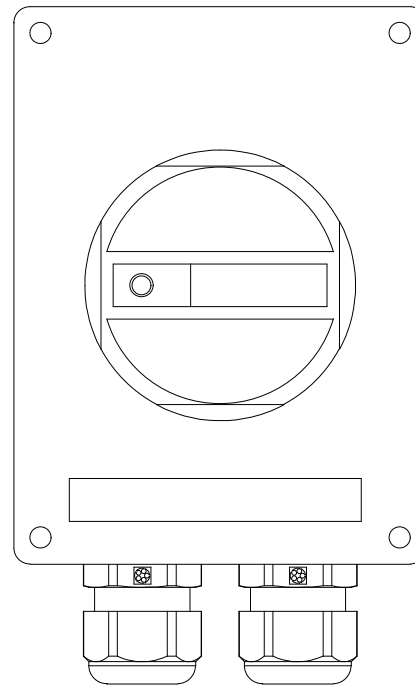
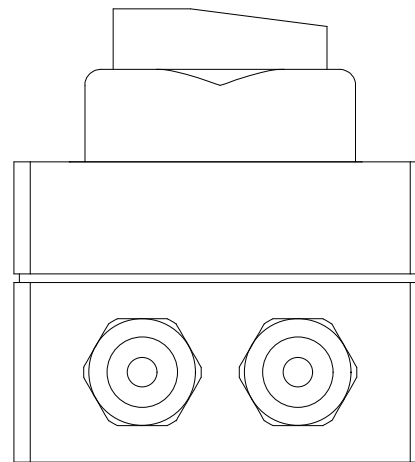


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ELECTRICAL LAYOUT

Q1.1 - Q9.1
Q1.2 - Q9.2



Technical data

Material: Polycarbonate
 IP protection class: IP66
 Color: Grey/black
 Rated insulation voltage: 690V
 Rated operational current: 16A
 Ambient temperature: -40/+80°C

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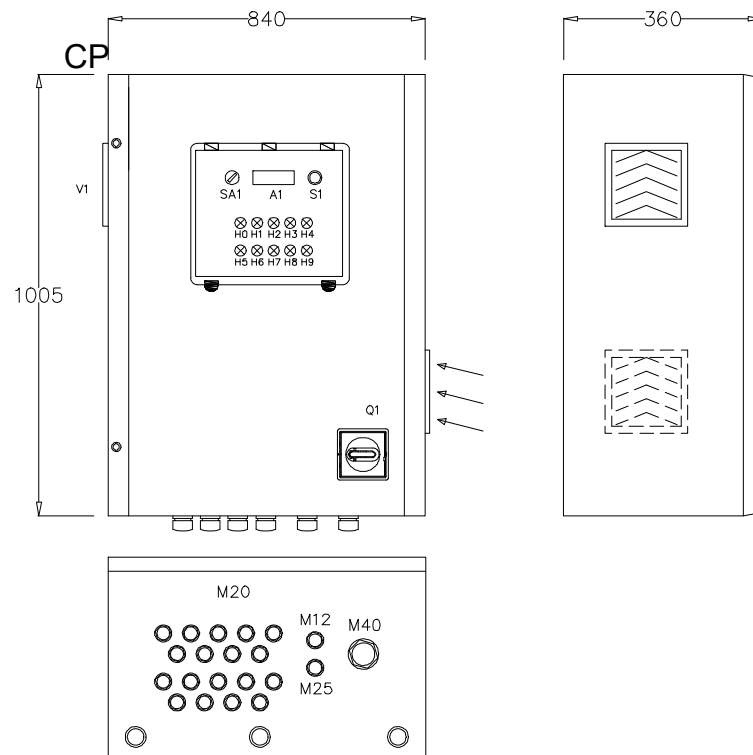
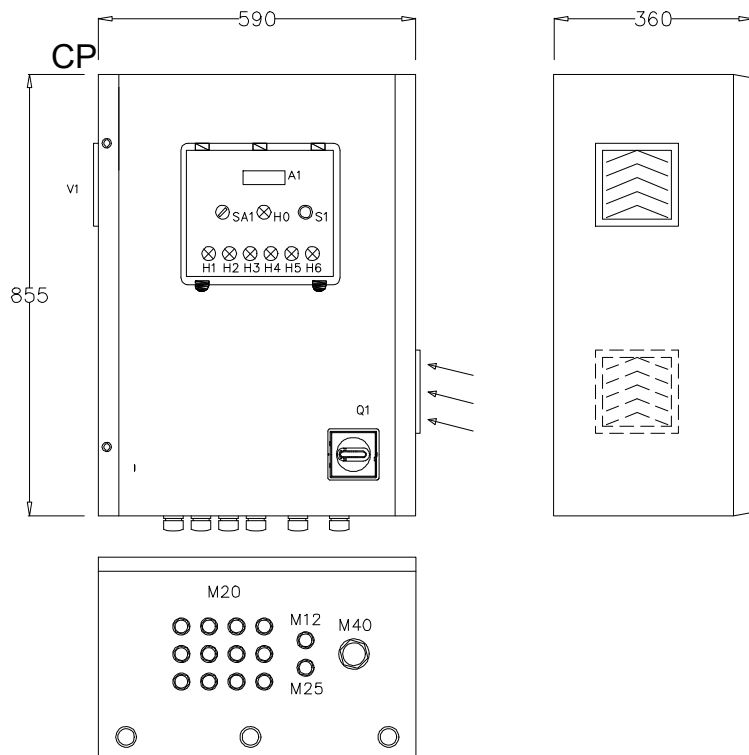
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SWITCH LAYOUT

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Plastic Box
 Dimension (HxBxP): 700x590x260

 Color: RAL9002
 External IP degree: IP54
 Internal IP degree: IP20
 Temperature range: -15°+ +35°c (standard)
 -25°+ +45°c (version "F")
 Umidity range: <95% (non condensation)

LEGEND LIST:
 Q1 = Main switch
 V1 = Ventilator
 H0 = Power on light
 H1 = Fan motor 1 running
 H2 = Fan motor 2 running
 H3 = Fan motor 3 running
 H4 = Fan motor 4 running
 H5 = Fan motor 5 running
 H6 = Fan motor 6 running
 A1 = Step controller
 S1 = reset PB
 SA1 = MAN/AUT selector

Plastic Box
 Dimension (HxBxP): 700x590x260

 Color: RAL9002
 External IP degree: IP54
 Internal IP degree: IP20
 Temperature range: -15°+ +35°c (standard)
 -25°+ +45°c (version "F")
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 H6 = Fan motor 6 running
 H7 = Fan motor 7 running
 H8 = Fan motor 8 running
 H9 = Fan motor 9 running
 A1 = Step controller
 S1 = reset PB
 SA1 = MAN/AUT selector

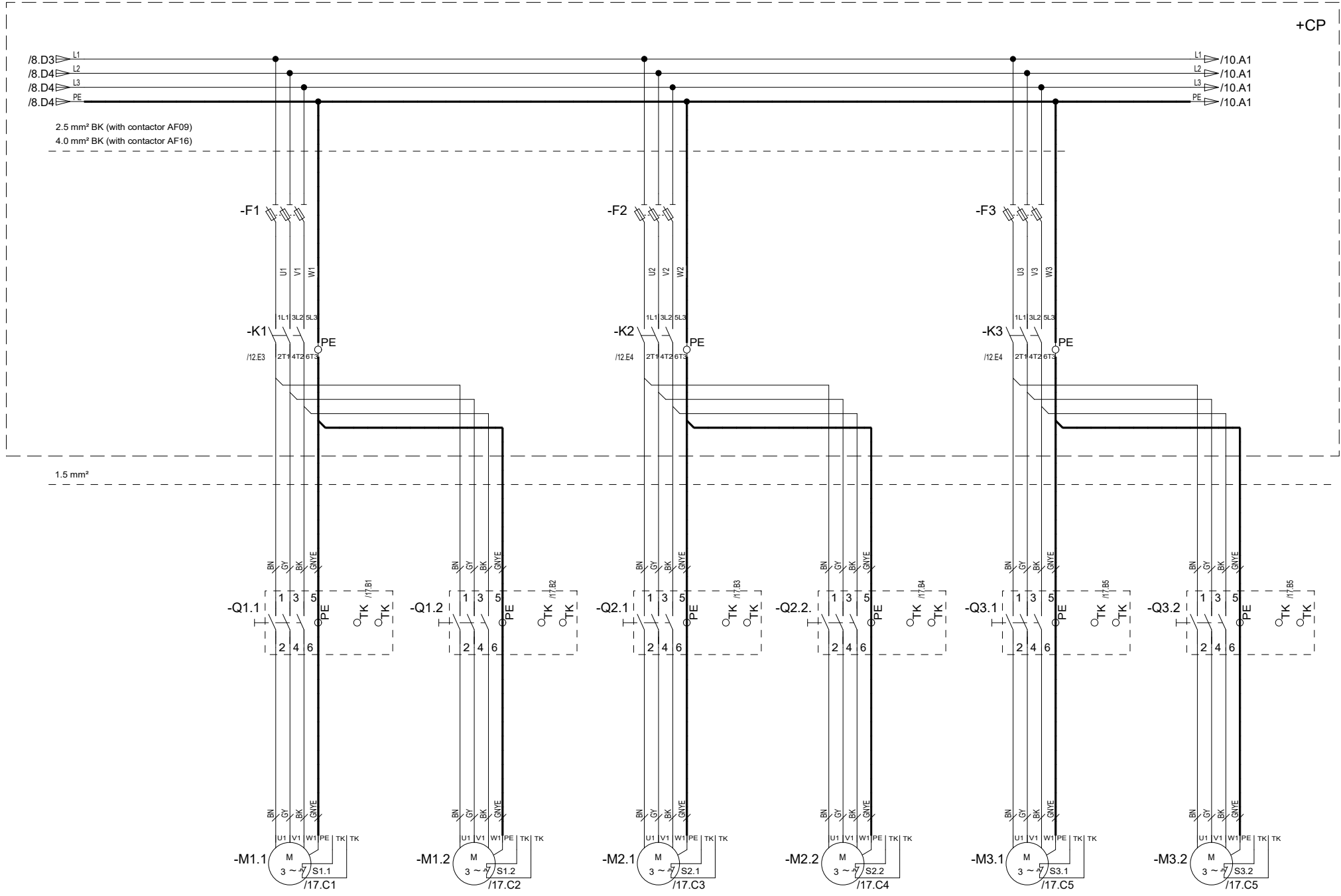
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CONTROL PANEL

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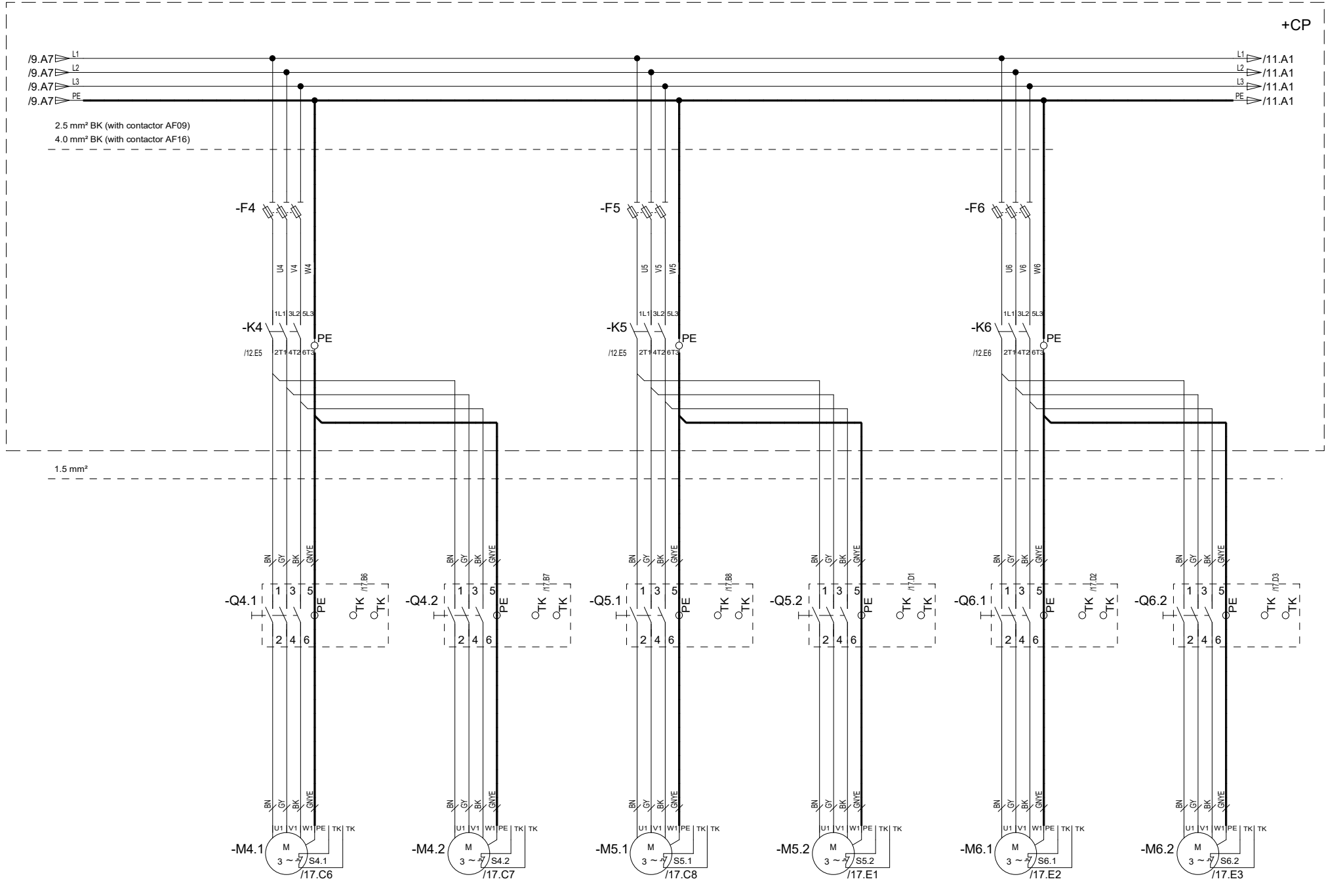
NOTE: switch for maintenance before motors are optional (Q1.1, Q2.1 ...)

Q2	New brand	18/12/2019	PCIA	User	ITALPCIA
Q1	Changed labels and added layout	07/07/2017	PCIA	Proved	D. Rizzotti
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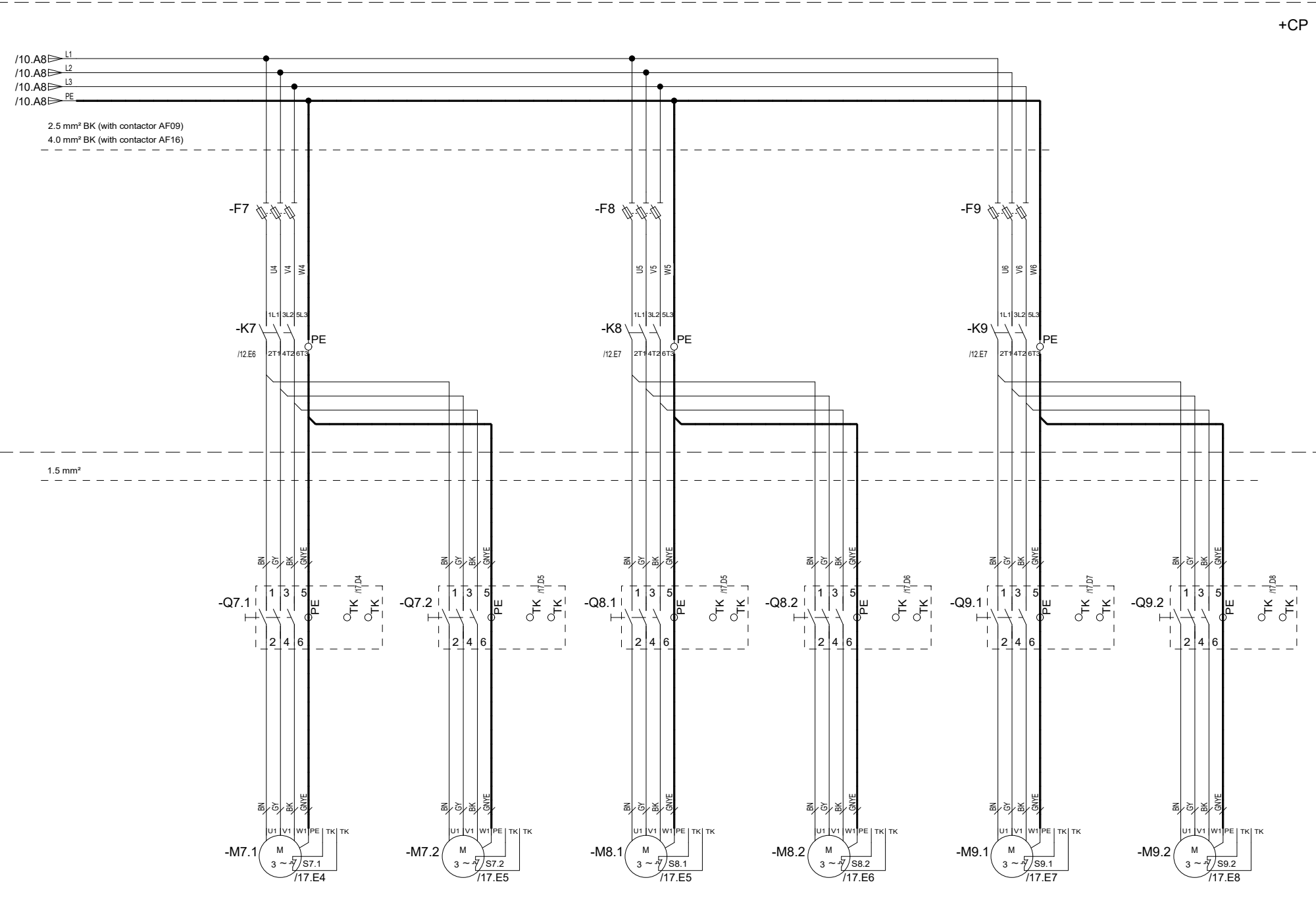
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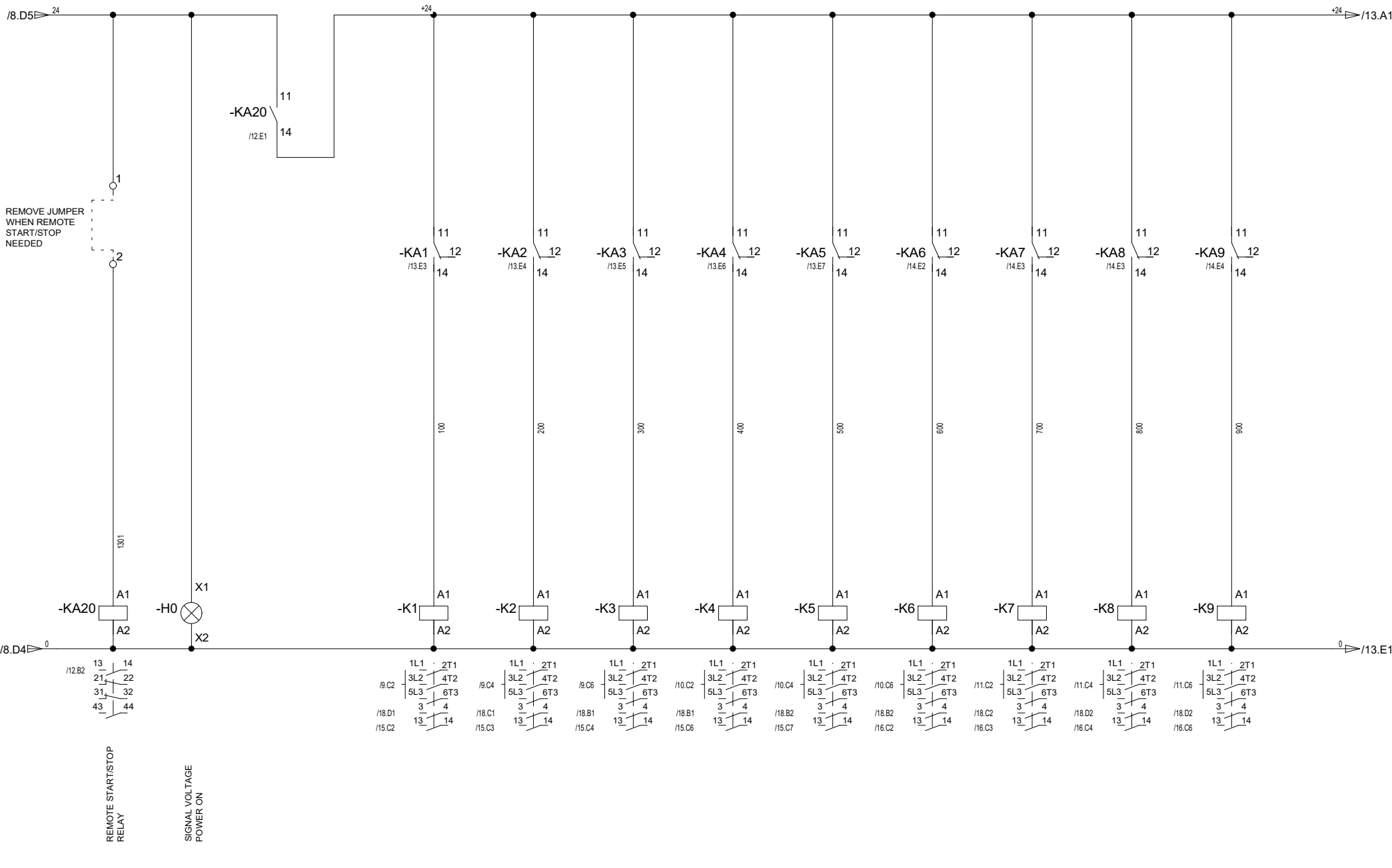
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Q1	Changed labels and added layout	07/07/2017	PCIA	Proved	D. Rizzotti
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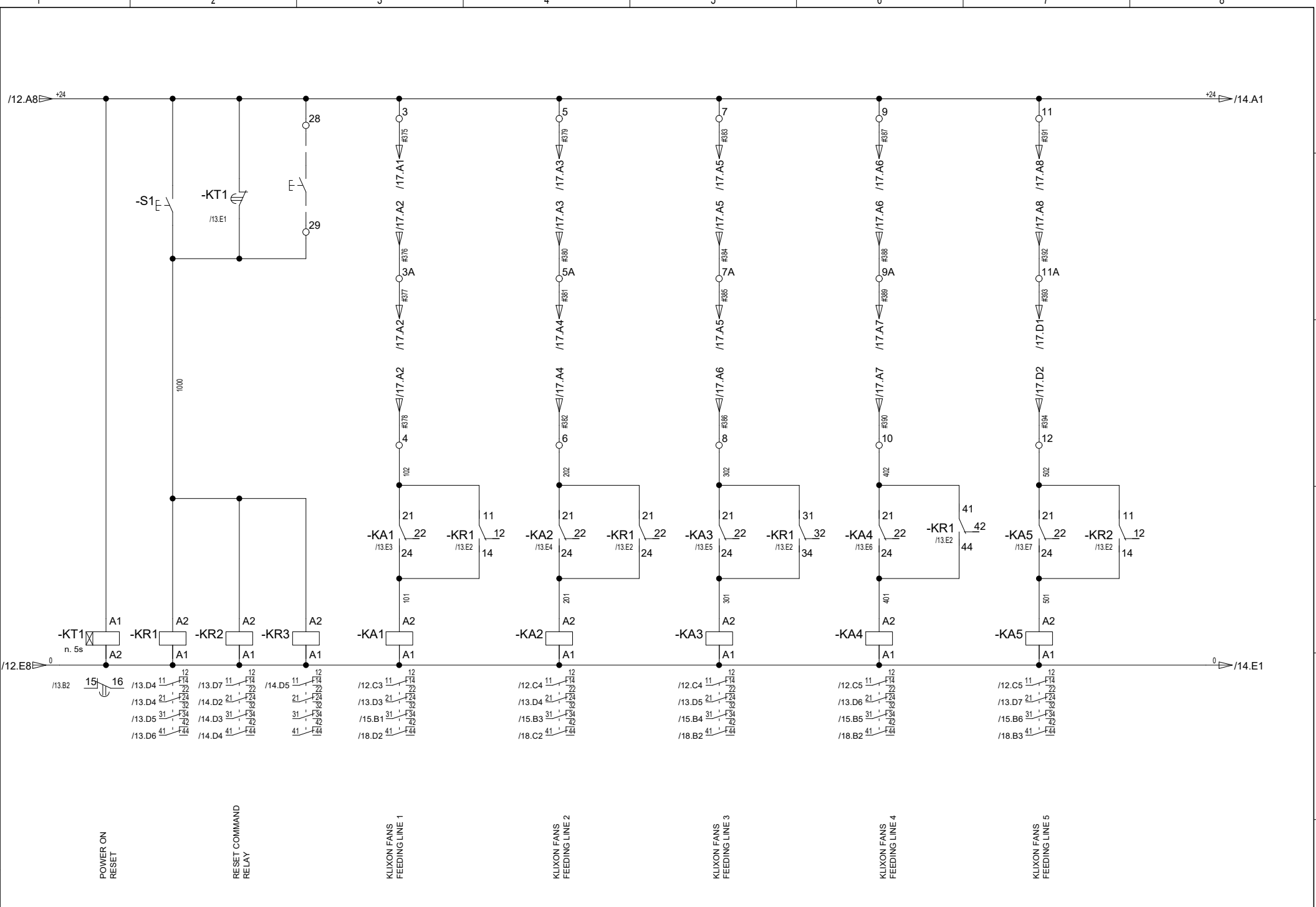


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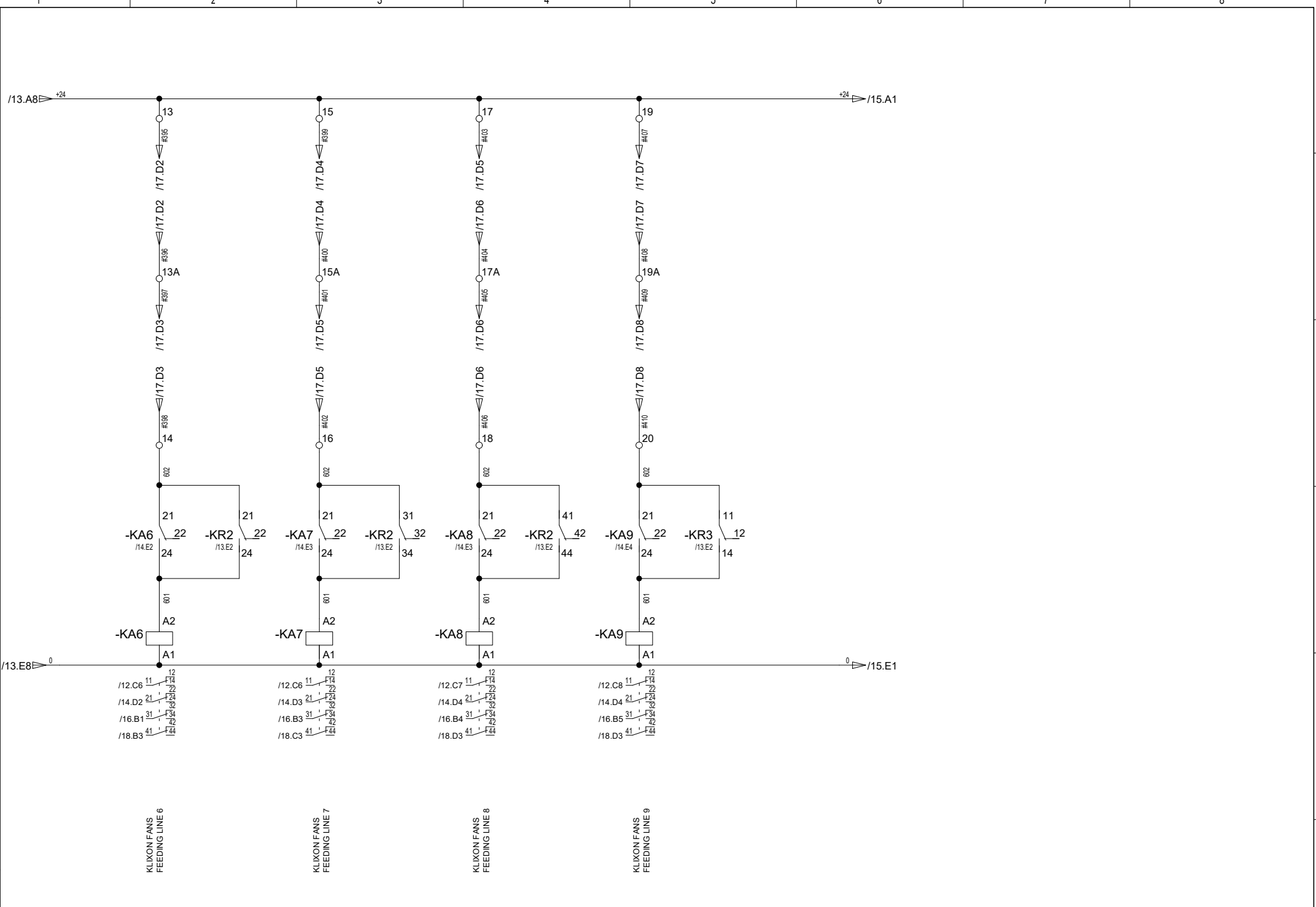


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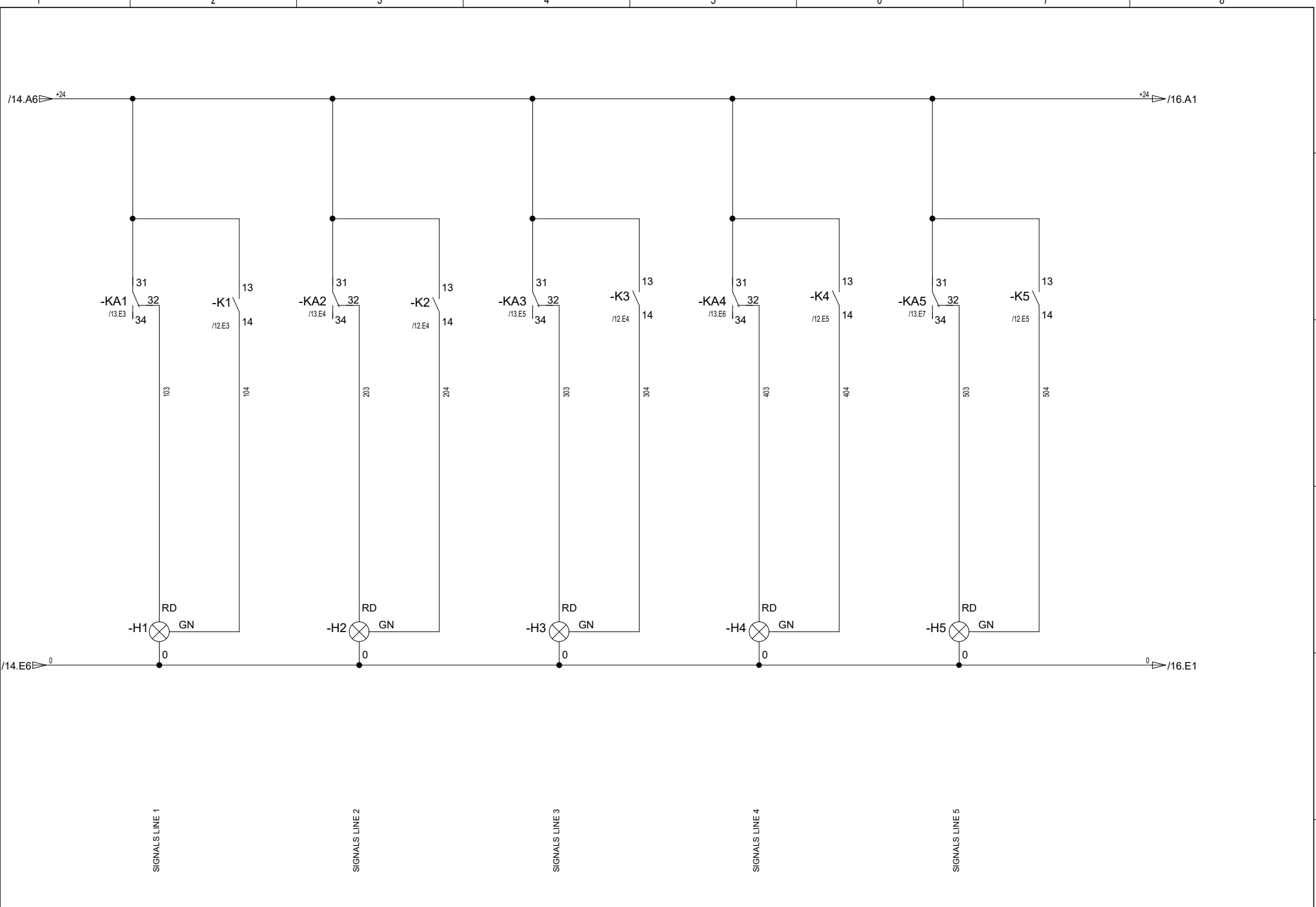
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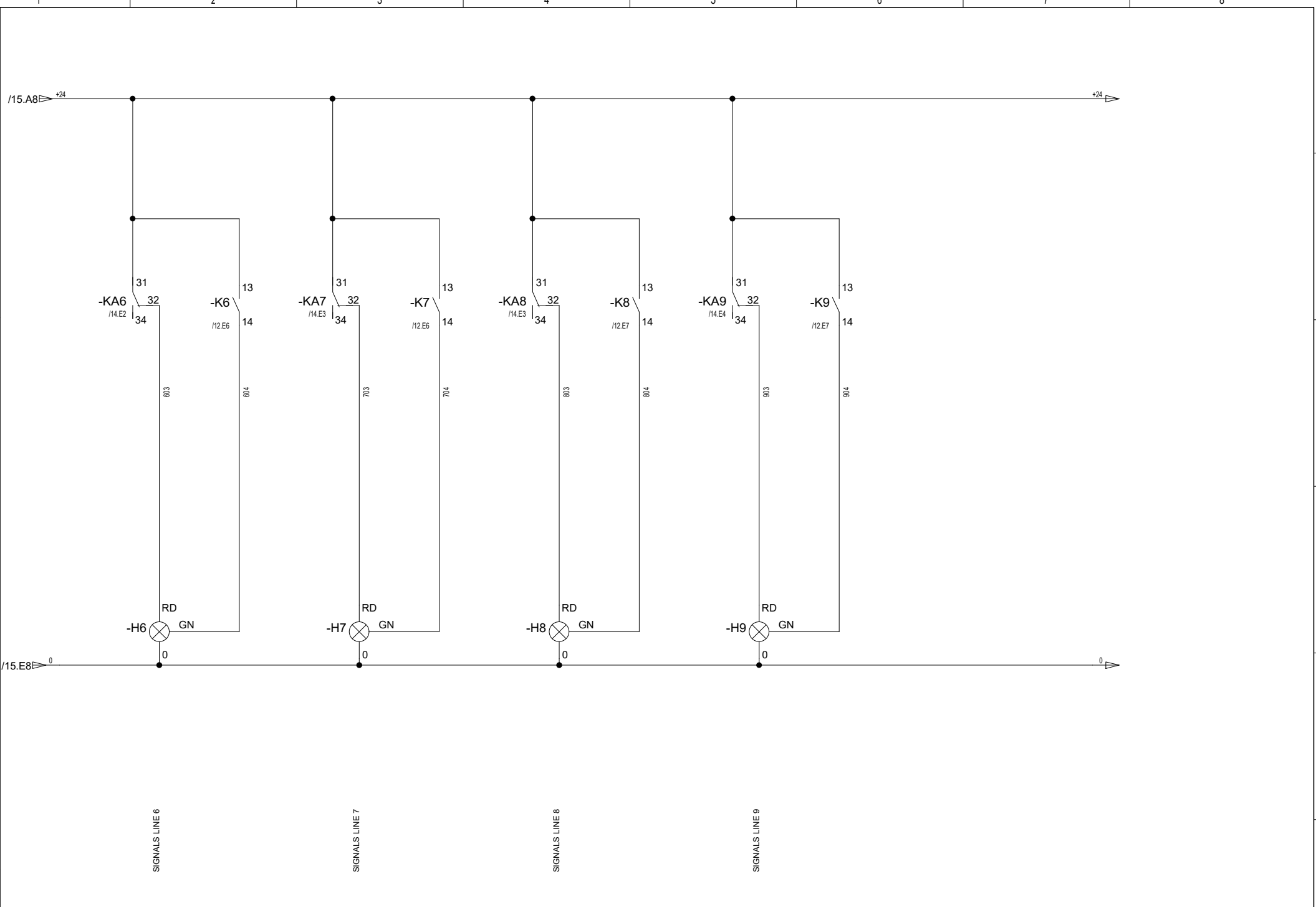


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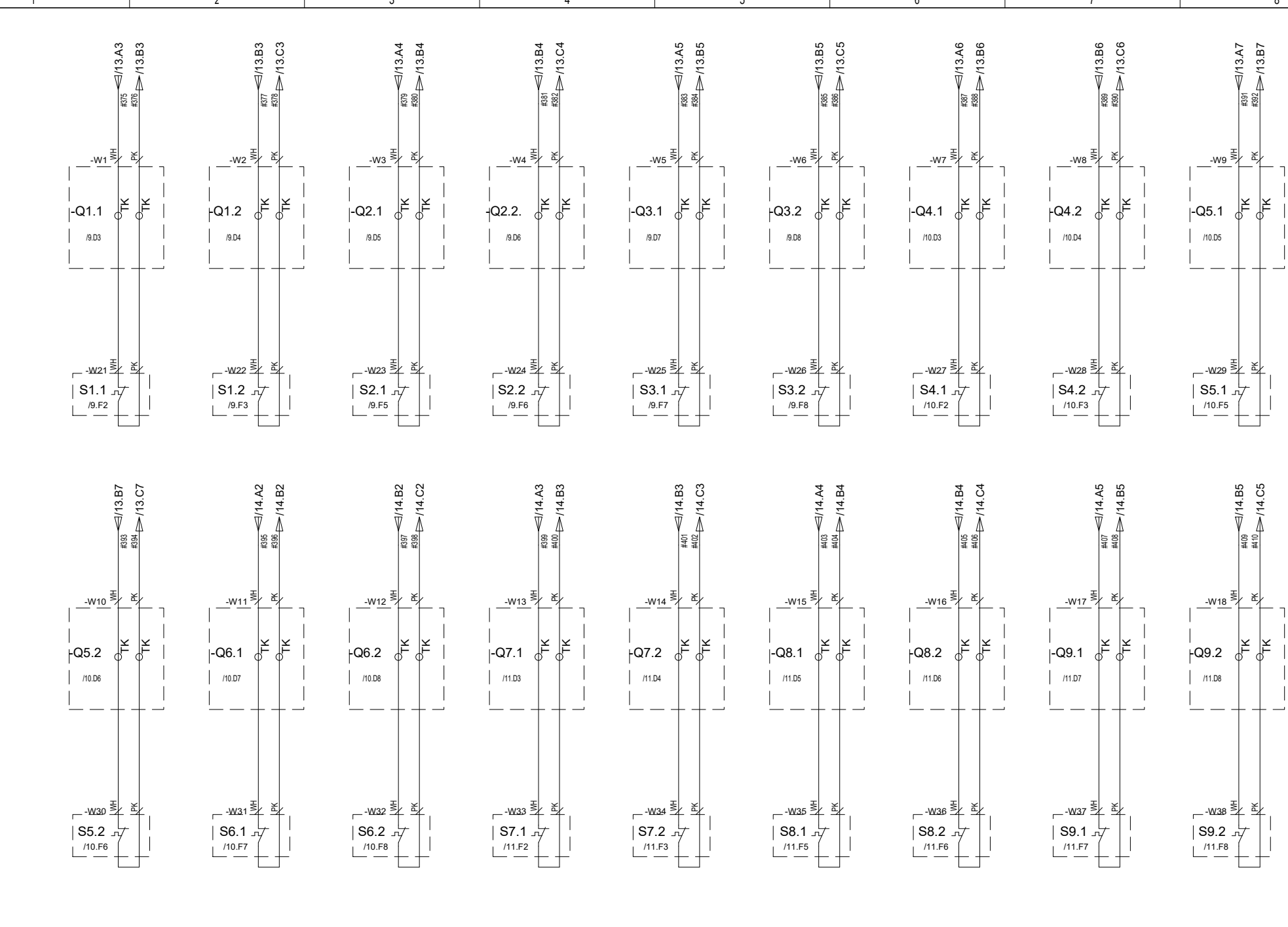


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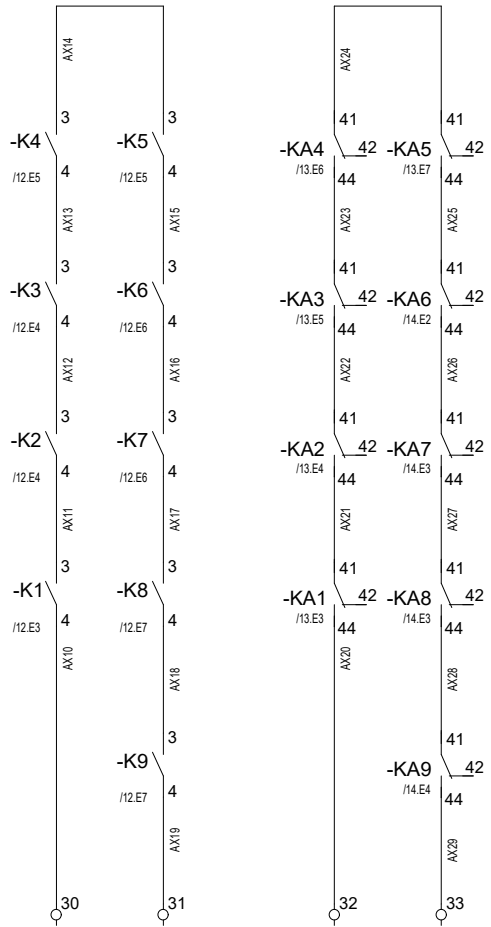
NOTE: switch for maintenance before motors are optional (Q1, Q2...)

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ALL FANS RUNNING
FREE CONTACT

FANS FAULT
FREE CONTACT

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FREE CONTACTS

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ELECTRIC MOTOR NOMINAL CURRENT (A)	FUSE SIZE
0,25 ÷ 0,50	CH10 2A gG
0,51 ÷ 0,90	CH10 1A am
0,91 ÷ 1,80	CH10 2A am
1,81 ÷ 3,60	CH10 4A am
3,61 ÷ 5,40	CH10 6A am
5,41 ÷ 7,20	CH10 8A am
7,21 ÷ 9,00	CH10 10A am
9,01 ÷ 10,80	CH10 12A am
10,81 ÷ 14,40	CH10 16A am
14,41 ÷ 18,00	CH10 20A am

NOTE FOR FUSE SIZE:
max current for fuse size = current - 10% (temperature derating)

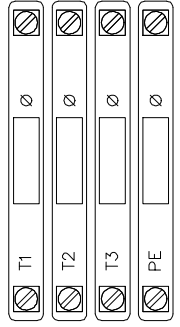
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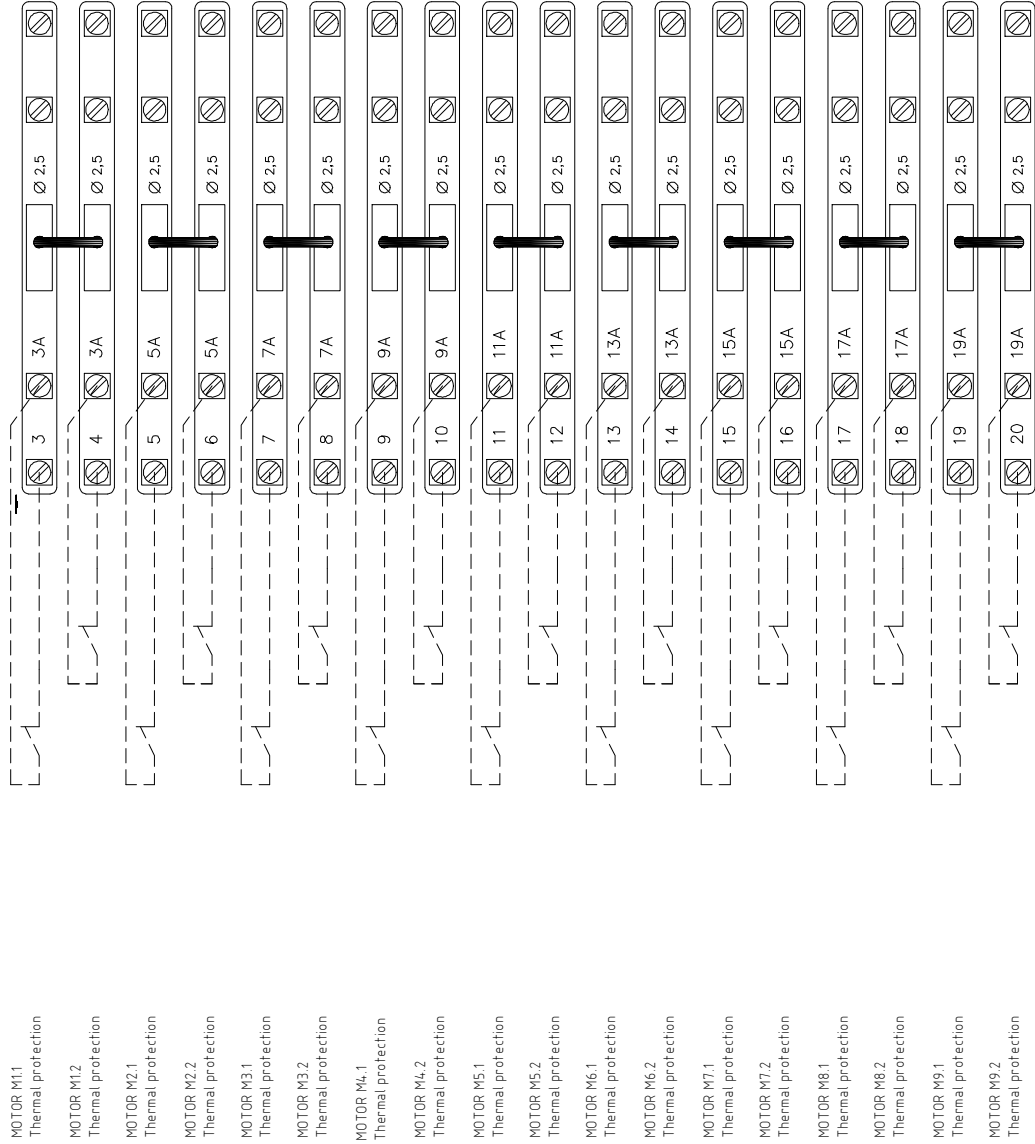
MOTOR PROTECTION SIZE

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SWITCH Q1
POWER
SUPPLY

REMOTE START/STOP
(remove jumper when you need)



REMOTE RESET

"ALL FANS RUNNING"
FREE CONTACT

"FANS FAULT"
FREE CONTACT

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CONNECTION LINK