



**WIRING DIAGRAM
SCHEMI ELETTRICI
SCHÉMA ELECTRIQUE
ELEKTRISCHER SCHALTPLAN
ESQUEMA ELÉCTRICO**

“FIGARO”

MODD. UDFIE27_V2 / UDFIE27-D_V2 / UDFIE27A_V2 / UDFIE27A-D_V2

MODD. UDFIE40_V2 / UDFIE40-D_V2 / UDFIE40A_V2 / UDFIE40A-D_V2

TOUCH SCREEN

" 208V 3 ~ "

" 220-240V 3 ~ "

" 460-480V 3 ~ "



1	GENERAL INFORMATION ; INFORMATIONS GÉNÉRALES ; INFORMAZIONI GENERALI	3
2	LEGEND WIRING DIAGRAM	4
3	LEGENDE SCHÉMA ELETTRIQUE	5
4	LEGENDA SCHEMA ELETTRICO.....	6
5	LEGENDE ELEKTRISCHER SCHALTPLAN	7
6	LEYENDA ESQUEMA ELÉCTRICO	8
7	LAYOUT ELECTRONIC BOARDS	9
8	UDFIE..UDFIE..A: TERMINAL CONNECTION+ EMERGENCY BUTTON 208V 3 ~; 220-240V 3 ~	10
9	UDFIE..UDFIE..A: TERMINAL CONNECTION+ EMERGENCY BUTTON 460-480 V 3 ~	11
10	UDFIE27.. : STATIC RELAY I / O CARD CONNECTION; BOTTOM THERMOCOPY; HEART PROBE.....	12
11	UDFIE40.. : STATIC RELAY I / O CARD CONNECTION; BOTTOM THERMOCOPY; HEART PROBE.....	13
12	UDFIE27.. 208 V 3 ~ :220-240 V 3 ~: STATIC RELAY CONNECTION; HEATING ELEMENTS	14
13	UDFIE27.. 460-480 V 3 ~ : STATIC RELAY CONNECTION; HEATING ELEMENTS.....	15
14	UDFIE40.. 208 V 3 ~: 220-240 V 3 ~: STATIC RELAY CONNECTION; HEATING ELEMENTS	16
15	UDFIE40.. 460-480 V 3 ~ : STATIC RELAY CONNECTION; HEATING ELEMENTS.....	17
16	UDFIE27..UDFIE40.. : CONNECTION OF H2O LOADING SOLENOID VALVES AND SHOWER..	18
17	UDFIE27A UDFIE40A : CONNECTION OF H2O LOAD SOLENOID VALVES; SHOWER ; STEAM CONDENSATION SYSTEM.....	19
18	UDFIE.. UDFIE..A : TANK AND LID HANDLING	20
19	UDFIE..A : HANDLING LOCKS PRESSURE LID.....	21
20	UDFIE..-D : TANK DRAIN VALVE OPERATION.....	22
21	UDFIE27 UDFIE27A : BOTTOM RESISTANCE POSITIONING AND SAFETY THERMOSTAT WIRING	23
22	UDFIE40 UDFIE40A : BOTTOM RESISTANCE POSITIONING AND SAFETY THERMOSTAT WIRING	24
23	UDFIE..: HYDRAULIC DIAGRAM (NON-PRESSURE VERSION).....	25
24	UDFIE..A : HYDRAULIC DIAGRAM (PRESSURE VERSION)	26

1 GENERAL INFORMATION ; INFORMATIONS GÉNÉRALES ; INFORMAZIONI GENERALI

CAUTION:

In this document you find wiring diagrams for the whole range of models and power supply options. Please, identify the diagrams pertaining to your unit by means of model number and power supply conditions declared on the plate.

Diagrams where electrical data are not specified apply to any power supply condition.

AVERTISSEMENT:

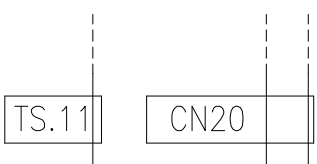
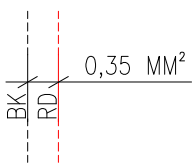
Dans ce document, vous trouverez des schémas de câblage pour l'ensemble des modèles et options d'alimentation. Veuillez identifier les schémas relatifs à votre appareil à l'aide du numéro de modèle et des conditions d'alimentation indiquées sur la plaque.

Les diagrammes où les données électriques ne sont pas spécifiées s'appliquent à toutes les conditions d'alimentation.

ATTENZIONE:

In questo documento si trovano schemi di cablaggio per tutta la gamma di modelli e opzioni di alimentazione. Si prega di identificare gli schemi elettrici e le tabelle relative all'apparecchiatura con il numero di modello e i dati di alimentazione elettrica riportati sulla targhetta tecnica.

Gli schemi in cui i dati elettrici non sono specificati si applicano a qualsiasi condizione di alimentazione.

	Wire end markings – Connector markings	Marquage de câbles- Marquage du Connecteur	Marcatura terminale cavi- Marcatura connettori
	Color and size wires	Couleur et section du câble	Colore e sezione dei cavi

	LEGEND WIRE COLORS	LÉGENDE FILS COULEURS	LEGENDA COLORI CAVI
BK	Black	Noir	Nero
BN	Brown	Marron	Marrone
RD	Red	Rouge	Rosso
OG	Orange	Orange	Arancio
YE	Yellow	Jaune	Giallo
GN	Green	Vert	Verde
GNYE	Green-yellow	Jaune-vert	Verde-giallo
BU	Blue	Bleu	Blu
VT	Violet	Violet	Viola
GY	Grey	Gris	Grigio
WH	White	Blanc	Bianco
PK	Pink	Rose	Rosa
TQ	Turquoise	Turquoise	Turchese

2 LEGEND WIRING DIAGRAM

LEGEND			
BF1	Liters counter	QA.0	Main contactor
BG 3	Shower position microswitch	QA.1	Static relay (R1)
BG 6	Open lid microswitch	QA.2	Static relay (R2)
BG 9	Pressure lid bolt closing position microswitch	QA.3	Static relay (R3)
BG 10	Pressure lid bolt opening position microswitch	QA.4	Static relay (R4)
BG 15	Vessel drain valve motor position microswitch	QA.5	Static relay (R5)
BP1	Minimum pressure switch for pressure lid	QA.6	Static relay (R6)
BT01	Bottom temperature probe (R1)	QA.7	Static relay (R7)
BT02	Bottom temperature probe (R2)	QA.8	Static relay (R8)
BT03	Bottom temperature probe (R3)	QA.10	Hand shower consent relay
BT04	Bottom temperature probe (R4)	QA.11	Relè intervento termostati sicurezza
BT05	Bottom temperature probe (R5)	QB1	Emergency button
BT06	Bottom temperature probe (R6)	QB2	Circuit breaker UL489 (TA10 protecting)
BT07	Bottom temperature probe (R7)	QB3	Circuit breaker UL489 (TA12 protecting)
BT08	Bottom temperature probe (R8)	QB10	"OFF" switch heating elements
BT09	Vessel temperature probe	QB11	Circuit breaker UL489 (heating elements)
BT10	Core probe	QB12	Circuit breaker UL489 (heating elements)
BT11	Steam temperature probe	QB13	Circuit breaker UL489 (heating elements)
BT-S1	Limiter thermostat 350°C	QB14	Circuit breaker UL489 (heating elements)
BT-S2	Limiter thermostat 350°C	QB20	Circuit breaker UL489 10A
BT-S..	Limiter thermostat 350°C	QM 1	Hot water solenoid valve
BT-S8	Limiter thermostat 350°C	QM 2	Cold water solenoid valve
BT-S9	Safety thermostat 190°C	QM 3	Shower solenoid valve
BT-S10	Safety thermostat 335°C	QM10	Solenoid valve steam exhaust (N.O.)
BT-20	Thermostat N.O. 35°C (cooling ventilator)	QM11	Solenoid valve steam condensation
EB 1	Heating element	RA1	Diode
GQ1	Cooling ventilator	TA10	Transformer 180-550Vac/24Vcc
F3	Fuse 8 A Delay (UL248-14) KF-R protecting	TA11	Transformer 85-264Vac/24Vcc
F21	Fuse 8 A Delay (UL248-14) MA1 protecting	TA12	Autotransformer 230-480V
F22	Fuse 6,3 A Delay (UL248-14) MA2 protecting	TF1	Pressure probe
F23	Fuse 5 A Delay (UL248-14) MA3 protecting	USB	USB socket
F25	Fuse 630 mA Delay (UL248-14) MA15 protecting	WiFi	WiFi module
KF-C	Display controller board	W(..)	Wired conductors
KF-D	Touch screen	X1	End line terminal board
KF-R	Relay card	XE	Equipotential clamp
MA1	Vessel actuator	X20	Terminal 208/230/240V L1
MA2	Lid actuator	X21	Terminal 208/230/240V L2
MA3	Bolt closing actuator	X30	Core probe connection terminal
MA15	Vessel drain valve motor	XD-P1	Current tap 10A-230/240V
PJ1	Buzzer		

3 LEGENDE SCHÉMA ELETTRIQUE

LEGENDE			
BF1	Compteur de litres	QA.0	Teleruttore principale
BG 3	Micro-interrupteur position douche	QA.1	Relais statique (R1)
BG 6	Micro-interrupteur couvercle ouvert	QA.2	Relais statique (R2)
BG 9	Micro-interrupteur de position de fermeture du verrou du couvercle à pression	QA.3	Relais statique (R3)
BG 10	Micro-interrupteur de position d'ouverture du verrou du couvercle de pression	QA.4	Relais statique (R4)
BG 15	Micro-interrupteur position du moteur de la vanne de vidange de la cuve	QA.5	Relais statique (R5)
BP1	Pressostat minimum pour couvercle à pression	QA.6	Relais statique (R6)
BT01	Sonde température fond (R1)	QA.7	Relais statique (R7)
BT02	Sonde température fond (R2)	QA.8	Relais statique (R8)
BT03	Sonde température fond (R3)	QA.10	Relais autorisation douchette
BT04	Sonde température fond (R4)	QA.11	Relais d'intervention du thermostat de sécurité
BT05	Sonde température fond (R5)	QB1	Touche d'urgence
BT06	Sonde température fond (R6)	QB2	Disjoncteur UL489 (protection primaire TA10)
BT07	Sonde température fond (R7)	QB3	Disjoncteur UL489 (protection primaire TA12)
BT08	Sonde température fond (R8)	QB10	Interrupteur "OFF" éléments chauffants
BT09	Sonde température en cuve	QB11	Disjoncteur UL489 (résistances)
BT10	Sonde à coeur	QB12	Disjoncteur UL489 (résistances)
BT11	Sonde tempéautre vapeur	QB13	Disjoncteur UL489 (résistances)
BT-S1	Thermostat limiteur 350°C	QB14	Disjoncteur UL489 (résistances)
BT-S2	Thermostat limiteur 350°C	QB20	Disjoncteur UL489 (résistances)
BT-S...	Thermostat limiteur 350°C	QM 1	Electrovanne eau chaude
BT-S8	Thermostat limiteur 350°C	QM 2	Electrovanne eau froide
BT-S9	Thermostat de sécurité 190°C	QM 3	Electrovanne douche
BT-S10	Thermostat de sécurité 335°C	QM10	Electrovanne Décharge vapeur (N.O.)
BT-20	Thermostat N.O. 35°C (ventilateur refroid.)	QM11	Electrovanne Condensation vapeur
EB 1	Résistance	RA1	Diode
GQ1	Ventilateur refroidissement	TA10	Transformateur 180-550Vac/24Vcc
F3	Fusible prot.KF-R 8 A (UL248-14)	TA11	Transformateur 85-264Vac/24Vcc
F21	Fusible prot.MA1 8 A (UL248-14)	TA12	Transformateur 230-480V
F22	Fusible prot.MA2 6,3 A (UL248-14)	TF1	Sonde de pression
F23	Fusible prot.MA3 5 A (UL248-14)	USB	Prise USB
F25	Fusible prot.MA15 630 mA (UL248-14)	WiFi	Module Wi-Fi
KF-C	Fiche contrôleur d'affichage	W(..)	Conducteurs câblés
KF-D	Touch screen	X1	Bornier arrivée ligne
KF-R	Fiche relais	XE	Bornier equipotentiel
MA1	Actionneur de cuve	X20	Bornier OUTPUT 24 Vdc (+)
MA2	Actionneur de couvercle	X21	Bornier OUTPUT 24 Vdc (-)
MA3	Actionneur de fermeture loquets	X30	Bornier de raccordement sonde à coeur
MA15	Moteur de vanne de vidange de cuve	XD-P1	Prise de courent 16A-230V
PJ1	Buzzer		

4 LEGENDA SCHEMA ELETTRICO

LEGENDA			
BF1	Contaltri	QA.0	Teleruttore principale
BG 3	Micro posizione doccetta	QA.1	Relè statico (R1)
BG 6	Micro interruttore coperchio aperto	QA.2	Relè statico (R2)
BG 9	Micro posizione chiusura chiavistelli autoclave	QA.3	Relè statico (R3)
BG 10	Micro posizione apertura chiavistelli autoclave	QA.4	Relè statico (R4)
BG 15	Micro posizione motorino valvola scarico vasca	QA.5	Relè statico (R5)
BP1	Pressostato minima coperchio autoclave	QA.6	Relè statico (R6)
BT01	Sonda temperatura fondo (R1)	QA.7	Relè statico (R7)
BT02	Sonda temperatura fondo (R2)	QA.8	Relè statico (R8)
BT03	Sonda temperatura fondo (R3)	QA.10	Relè consenso doccetta
BT04	Sonda temperatura fondo (R4)	QA.11	Relè intervento termostati sicurezza
BT05	Sonda temperatura fondo (R5)	QB1	Pulsante di emergenza
BT06	Sonda temperatura fondo (R6)	QB2	Magnetotermico UL489 (protezione primario TA10)
BT07	Sonda temperatura fondo (R7)	QB3	Magnetotermico UL489 (protezione primario TA12)
BT08	Sonda temperatura fondo (R8)	QB10	Interruttore "OFF" elementi riscaldanti
BT09	Sonda temperatura in vasca	QB11	Magnetotermico UL489 (resistenze)
BT10	Sonda al cuore	QB12	Magnetotermico UL489 (resistenze)
BT11	Sonda temp.vapore condens.	QB13	Magnetotermico UL489 (resistenze)
BT-S1	Termostato limitatore 350°C	QB14	Magnetotermico UL489 (resistenze)
BT-S2	Termostato limitatore 350°C	QB20	Magnetotermico UL489 10A
BT-S..	Termostato limitatore 350°C	QM 1	Elettrovalvola acqua calda
BT-S8	Termostato limitatore 350°C	QM 2	Elettrovalvola acqua fredda
BT-S9	Termostato di sicurezza 190°C	QM 3	Elettrovalvola doccetta
BT-S10	Termostato di sicurezza 335°C	QM10	Elettrov. scarico vapore (N.A.)
BT-20	Termostato N.O. 35°C (ventilatore raffreddam.)	QM11	Elettrov. Condensazione vapore
EB 1	Resistenza	RA1	Diodo
GQ1	Ventilatore raffreddamento	TA10	Trasformatore 180-550Vac/24Vcc
F3	Fusibile prot.KF-R 8 A (UL248-14)	TA11	Trasformatore 85-264Vac/24Vcc
F21	Fusibile prot.MA1 8 A (UL248-14)	TA12	Autotransformateur 230-480V
F22	Fusibile prot.MA2 6,3 A (UL248-14)	TF1	Sonda di pressione
F23	Fusibile prot.MA3 5 A (UL248-14)	USB	Presa USB
F25	Fusibile prot.MA15 630 mA (UL248-14)	WiFi	Modulo WiFi
KF-C	Scheda controller Display	W(..)	Conduttori cablati
KF-D	Display touch screen	X1	Morsettiera arrivo linea
KF-R	Scheda relè	XE	Morsetto equipotenziale
MA1	Attuatore vasca	X20	Morsetto 208/230/240V L1
MA2	Attuatore coperchio	X21	Morsetto 208/230/240V L2
MA3	Attuatore chiusura chiavistelli	X30	Morsetto collegamento Sonda al cuore
MA15	Motorino valvola scarico vasca	XD-P1	Presa di corrente 10A-230/240V
PJ1	Buzzer		

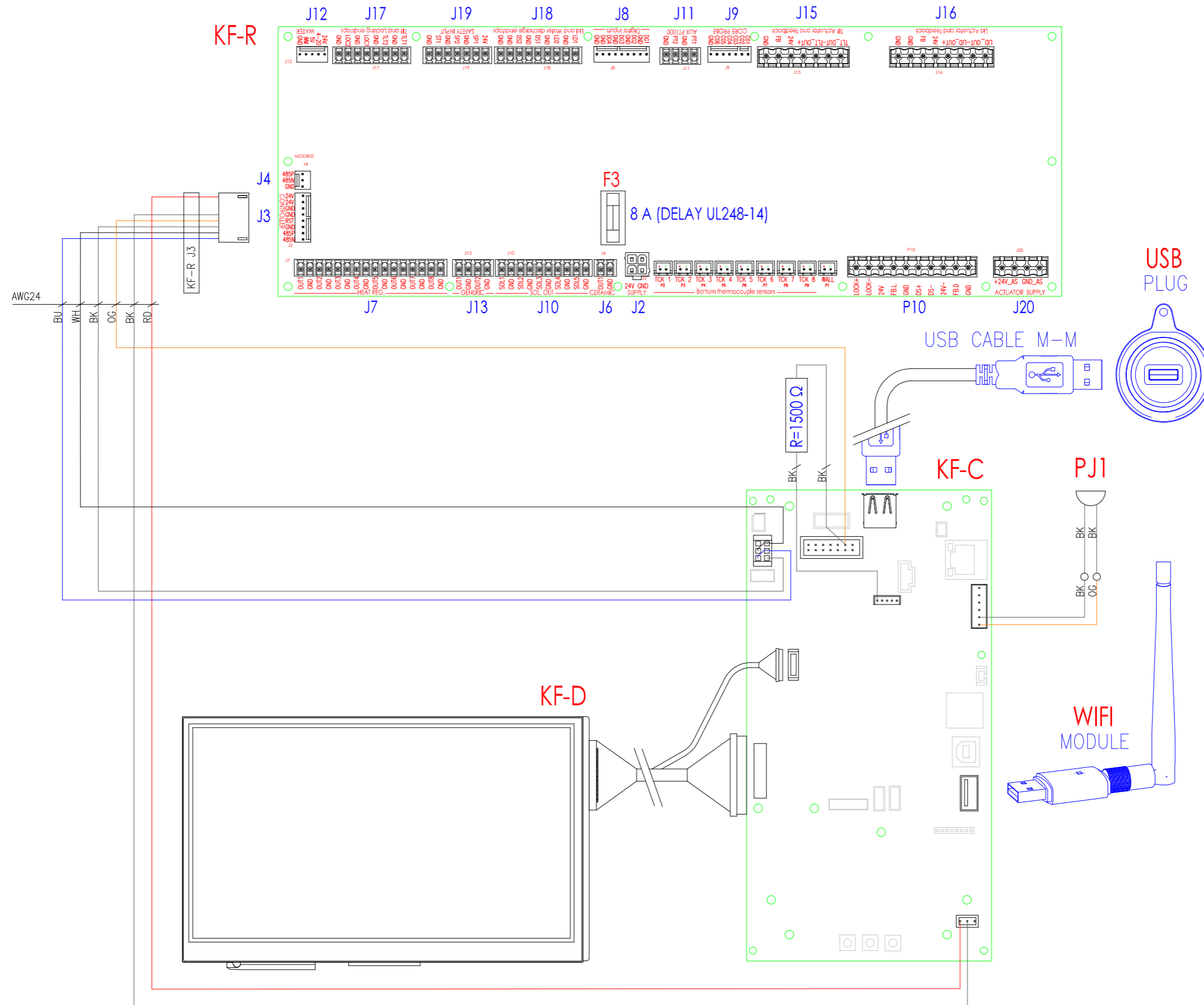
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LEGENDE ELEKTRISCHER SCHALTPLAN

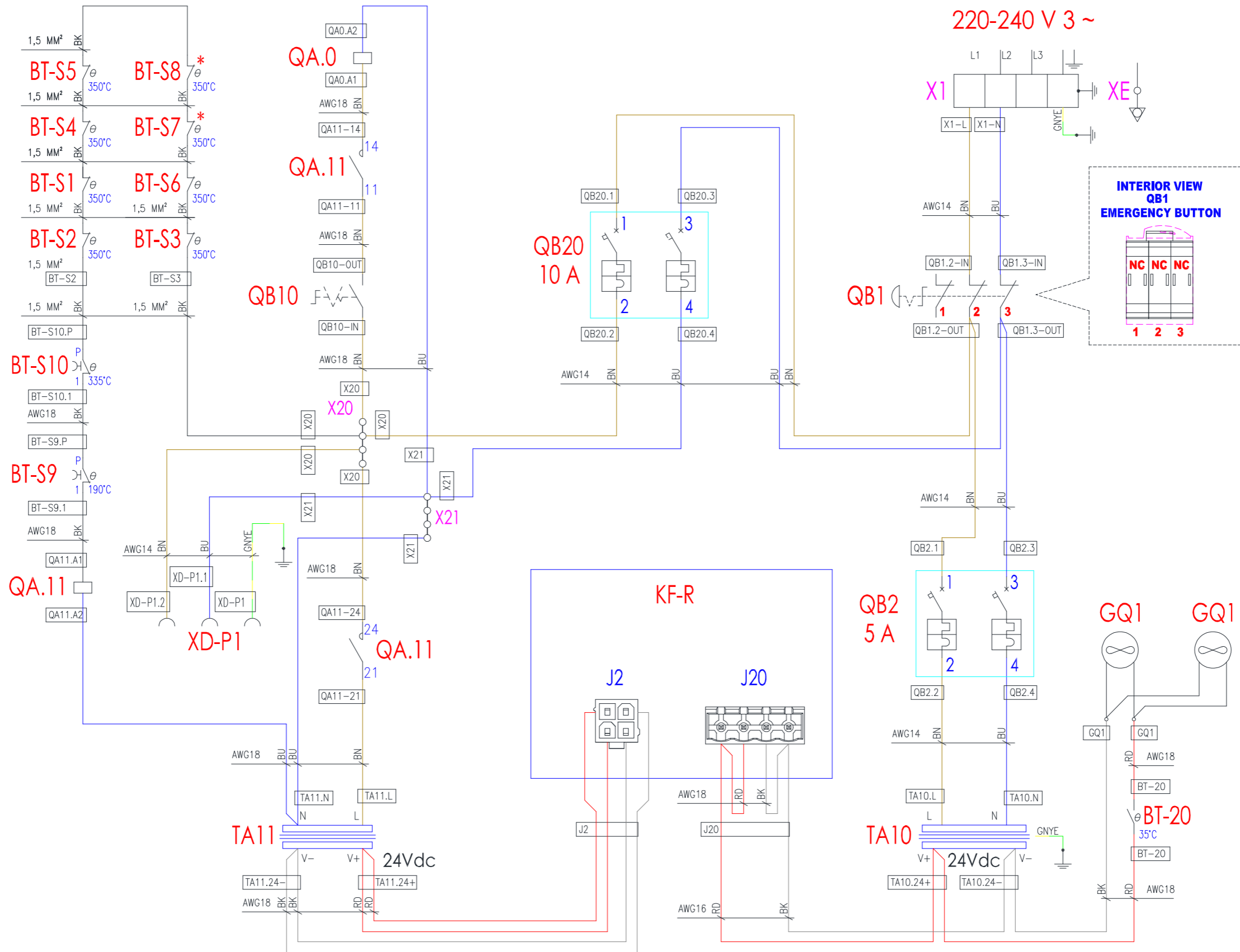
LEGENDE			
BF1	Liter Zähler	QA.0	Hauptschütz
BG 3	Mikroschalter Duschposition	QA.1	Statisches Relais (R1)
BG 6	Mikroschalter Deckel öffnen	QA.2	Statisches Relais (R2)
BG 9	Mikroschalter Schließstellung Druckdeckelriegel	QA.3	Statisches Relais (R3)
BG 10	Mikroschalter Öffnungsstellung Druckdeckelriegel	QA.4	Statisches Relais (R4)
BG 15	Mikroschalter position des Behälterablassventilmotors	QA.5	Statisches Relais (R5)
BP1	Mindestdruckwächter für Druckdeckel	QA.6	Statisches Relais (R6)
BT01	Temperaturfühler am Boden (R1)	QA.7	Statisches Relais (R7)
BT02	Temperaturfühler am Boden (R2)	QA.8	Statisches Relais (R8)
BT03	Temperaturfühler am Boden (R3)	QA.10	Zustimmungsrelais Handbrause
BT04	Temperaturfühler am Boden (R4)	QA.11	Auslöserelais des Sicherheitsthermostats
BT05	Temperaturfühler am Boden (R5)	QB1	Not-Stopp-Schalter
BT06	Temperaturfühler am Boden (R6)	QB2	UL489-Leistungsschalter (TA10-Primärschutz)
BT07	Temperaturfühler am Boden (R7)	QB3	UL489-Leistungsschalter (TA12-Primärschutz)
BT08	Temperaturfühler am Boden (R8)	QB10	Begrenzerthermostat "OFF"-Schalter Heizelement
BT09	Temperaturfühler im Becken	QB11	UL489-Leistungsschalter (Heizelemente)
BT10	Temperaturfühler Herzen	QB12	UL489-Leistungsschalter (Heizelemente)
BT11	Temperaturfühler dampf	QB13	UL489-Leistungsschalter (Heizelemente)
BT-S1	Begrenzerthermostat 350°C	QB14	UL489-Leistungsschalter (Heizelemente)
BT-S2	Begrenzerthermostat 350°C	QB20	UL489-Leistungsschalter 10A
BT-S..	Begrenzerthermostat 350°C	QM 1	Magnetventil Warmwasser
BT-S8	Begrenzerthermostat 350°C	QM 2	Magnetventil Kaltwasser
BT-S9	Sicherheitstemperaturbegrenzer 190°C	QM 3	Magnetventil Dusche
BT-S10	Sicherheitstemperaturbegrenzer 335°C	QM10	Magnetventil Dampfabzug (N.O.)
BT-20	Thermostat 35°C (Kühlventilator)	QM11	Magnetventil Dampfkondensierung
EB 1	Heizelement	RA1	Diode
GQ1	Kühlventilator	TA10	Transformator 180-550Vac/24Vcc
F3	Sicherung KF-R 8 A (UL248-14)	TA11	Transformator 85-264Vac/24Vcc
F21	Sicherung MA1 8 A (UL248-14)	TA12	Autotransformator 230-480V
F22	Sicherung MA2 6,3 A (UL248-14)	TF1	Drucksonde
F23	Sicherung MA3 5 A (UL248-14)	USB	USB-Buchse
F25	Sicherung MA15 630 mA (UL248-14)	WiFi	WiFi-Modul
KF-C	Display-Steuerplatine	W(..)	Drahtleiter
KF-D	Touch screen	X1	Netzanschlussklemme
KF-R	Leistungsplatine	XE	Klemme potentialausgleich
MA1	Schiffsaktuator	X20	Klemme 208/230/240 V L1
MA2	Deckelaktuator	X21	Klemme 208/230/240 V L2
MA3	Riegelschließer	X30	Anschlussklemme für Temperaturfühler Herzen
MA15	Motor für Gefäßentleerungsventil	XD-P1	Steckdose 230V 16A
PJ1	Summer		

6 LEYENDA ESQUEMA ELÉCTRICO

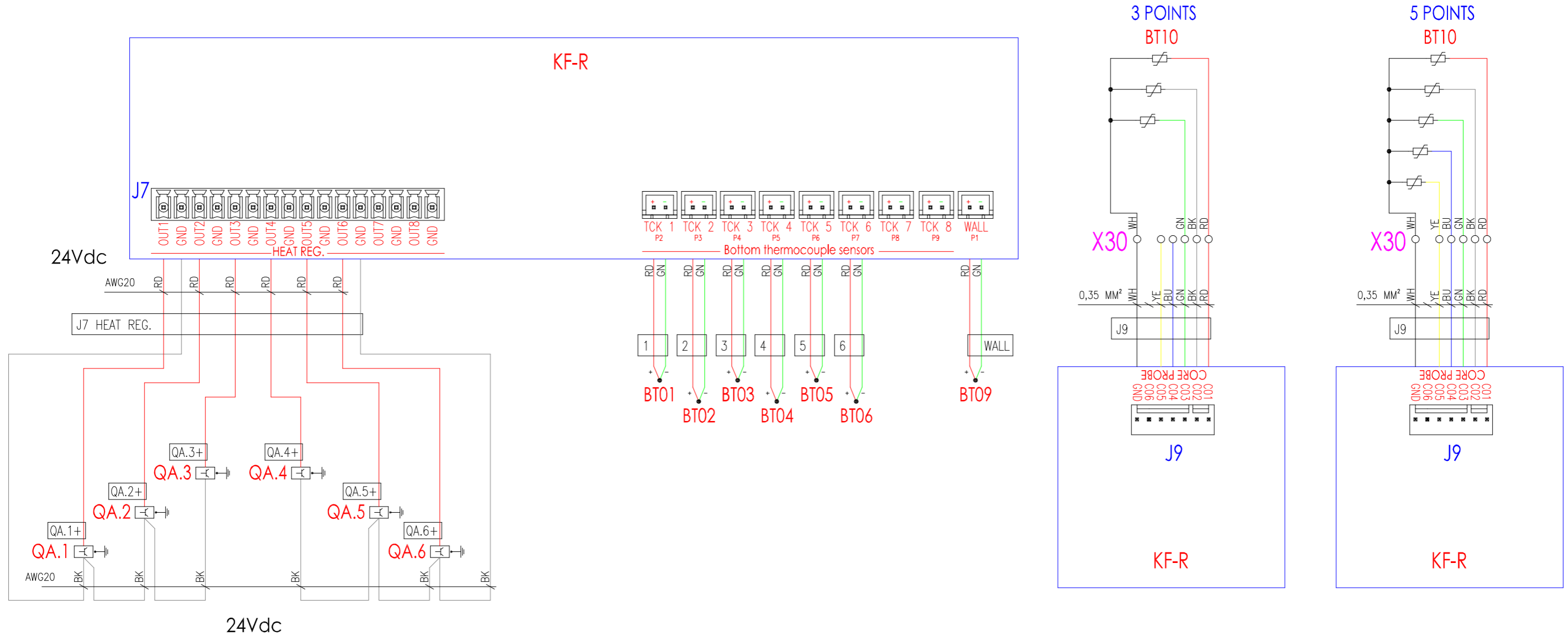
LEYENDA			
BF1	Contador de litros	QA.0	Contactador principal
BG 3	Microinterruptor posición ducha	QA.1	Relé estático (R1)
BG 6	Microinterruptor tapa abierta	QA.2	Relé estático (R2)
BG 9	Microinterruptor de posición de cierre del perno de la tapa de presión	QA.3	Relé estático (R3)
BG 10	Microinterruptor de posición de apertura del perno de la tapa de presión	QA.4	Relé estático (R4)
BG 15	Microinterruptor de posición del motor de la válvula de drenaje de la cuba	QA.5	Relé estático (R5)
BP1	Presostato de mínima para tapa de presión	QA.6	Relé estático (R6)
BT01	Sonda temperatura fondo (R1)	QA.7	Relé estático (R7)
BT02	Sonda temperatura fondo (R2)	QA.8	Relé estático (R8)
BT03	Sonda temperatura fondo (R3)	QA.10	Relé autorización ducha
BT04	Sonda temperatura fondo (R4)	QA.11	Relé de intervención del termostato de seguridad
BT05	Sonda temperatura fondo (R5)	QB1	Pulsador de emergencia
BT06	Sonda temperatura fondo (R6)	QB2	Disyuntor UL489 (protección primaria TA10)
BT07	Sonda temperatura fondo (R7)	QB3	Disyuntor UL489 (protección primaria TA12)
BT08	Sonda temperatura fondo (R8)	QB10	Interruptor "OFF" elementos calefactores
BT09	Sonda temperatura en cuba	QB11	Disyuntor UL489 (resistencias)
BT10	Sonda corazón	QB12	Disyuntor UL489 (resistencias)
BT11	Sonda temperatura vapor	QB13	Disyuntor UL489 (resistencias)
BT-S1	Termostato limitador 350°C	QB14	Disyuntor UL489 (resistencias)
BT-S2	Termostato limitador 350°C	QB20	Disyuntor UL489 10A
BT-S..	Termostato limitador 350°C	QM 1	Electroválvula agua caliente
BT-S8	Termostato limitador 350°C	QM 2	Electroválvula agua fría
BT-S9	Termostato de seguridad 190°C	QM 3	Electroválvula ducha
BT-S10	Termostato de seguridad 335°C	QM10	Electroválvula descarga vapor (N.A.)
BT-20	Termostato 35°C (Ventilador de enfriamiento)	QM11	Electroválvula condens.vapor
EB 1	Resistencia	RA1	Diodo
GQ1	Ventilador de enfriamiento	TA10	Transformador 180-550Vac/24Vcc
F3	Fusible prot.KF-R 8 A (UL248-14)	TA11	Transformador 85-264Vac/24Vcc
F21	Fusible prot.MA1 8 A (UL248-14)	TA12	Autotransformador 230-480V
F22	Fusible prot.MA2 6,3 A (UL248-14)	TF1	Sonda de presión
F23	Fusible prot.MA3 5 A (UL248-14)	USB	Toma USB
F25	Fusible prot.MA15 630 mA (UL248-14)	WiFi	Módulo WiFi
KF-C	Tarjeta controladora de pantalla	W(..)	Conductores cableados
KF-D	Touch screen	X1	Tablero de bornes
KF-R	Tarjeta relé	XE	Tornillo equipotencial
MA1	Actuador de la cuba	X20	Borne 208/230/240V L1
MA2	Actuador de tapa	X21	Borne 208/230/240V L2
MA3	Actuador cierre pestillo	X30	Bornero de conexión de sonda corazón
MA15	Motor de la válvula de drenaje de la cuba	XD-P1	Toma de corriente 16A-230V
PJ1	Timbre		



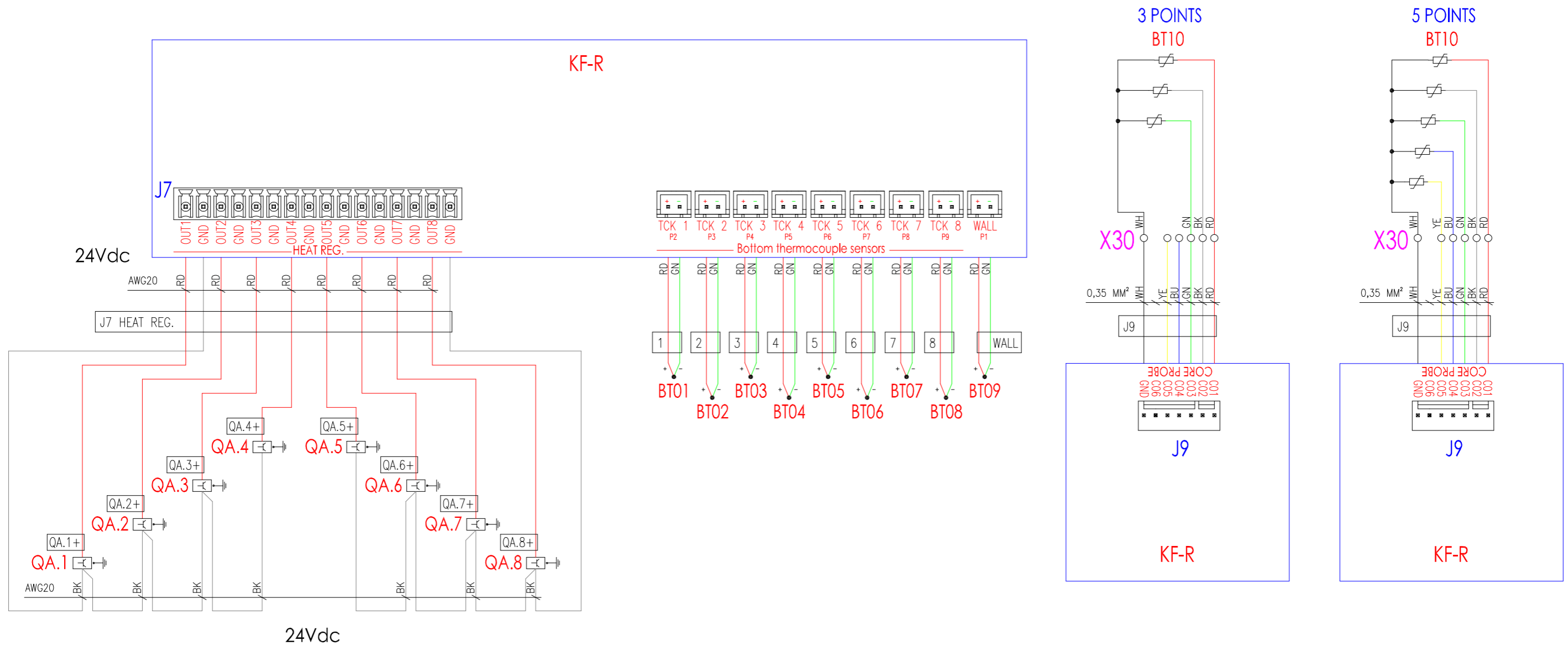
* BT-S7 and BT-S8 only in mod.UDFIE40



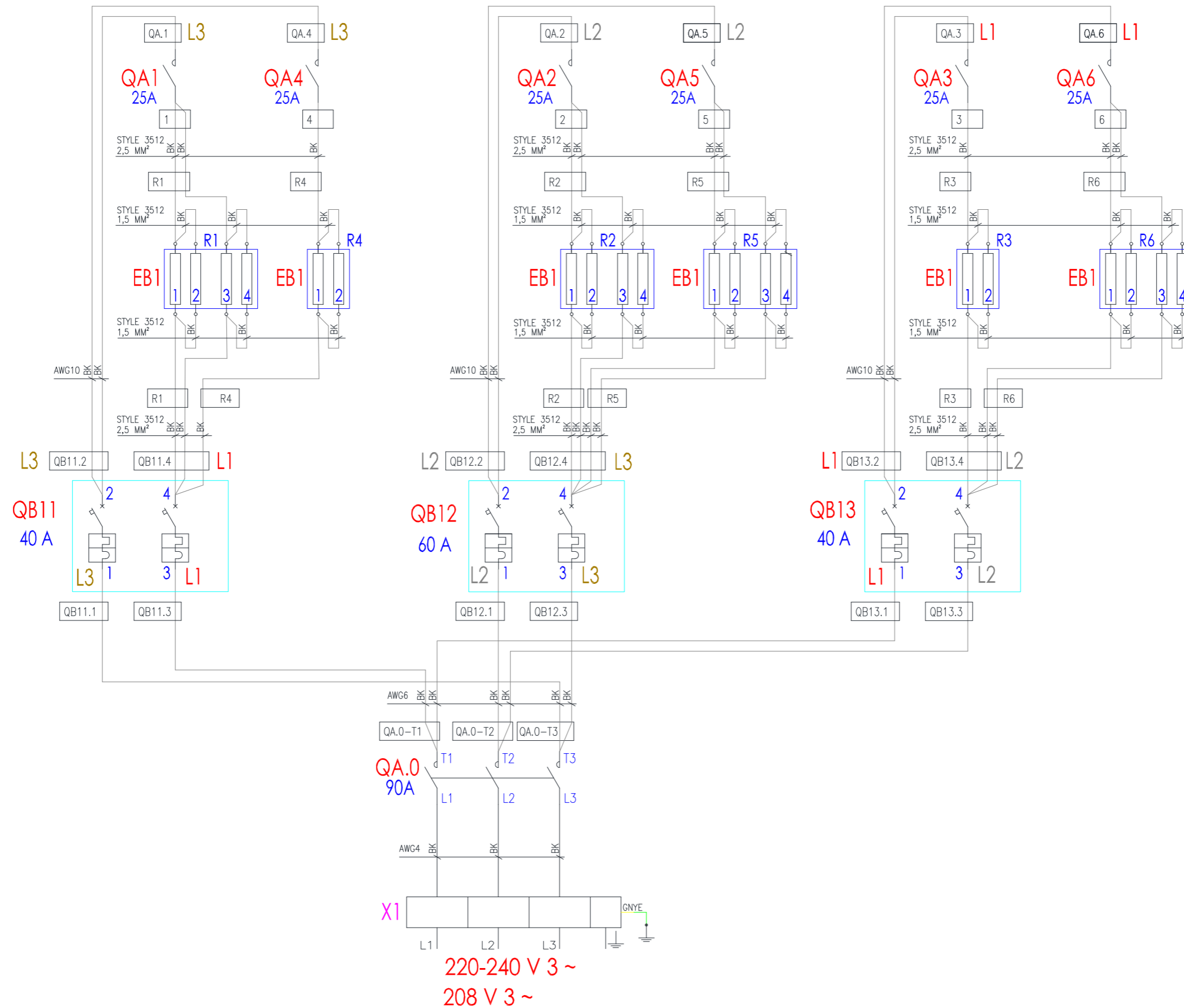
10 UDFIE27.. : STATIC RELAY I / O CARD CONNECTION; BOTTOM THERMOCOPIY; HEART PROBE



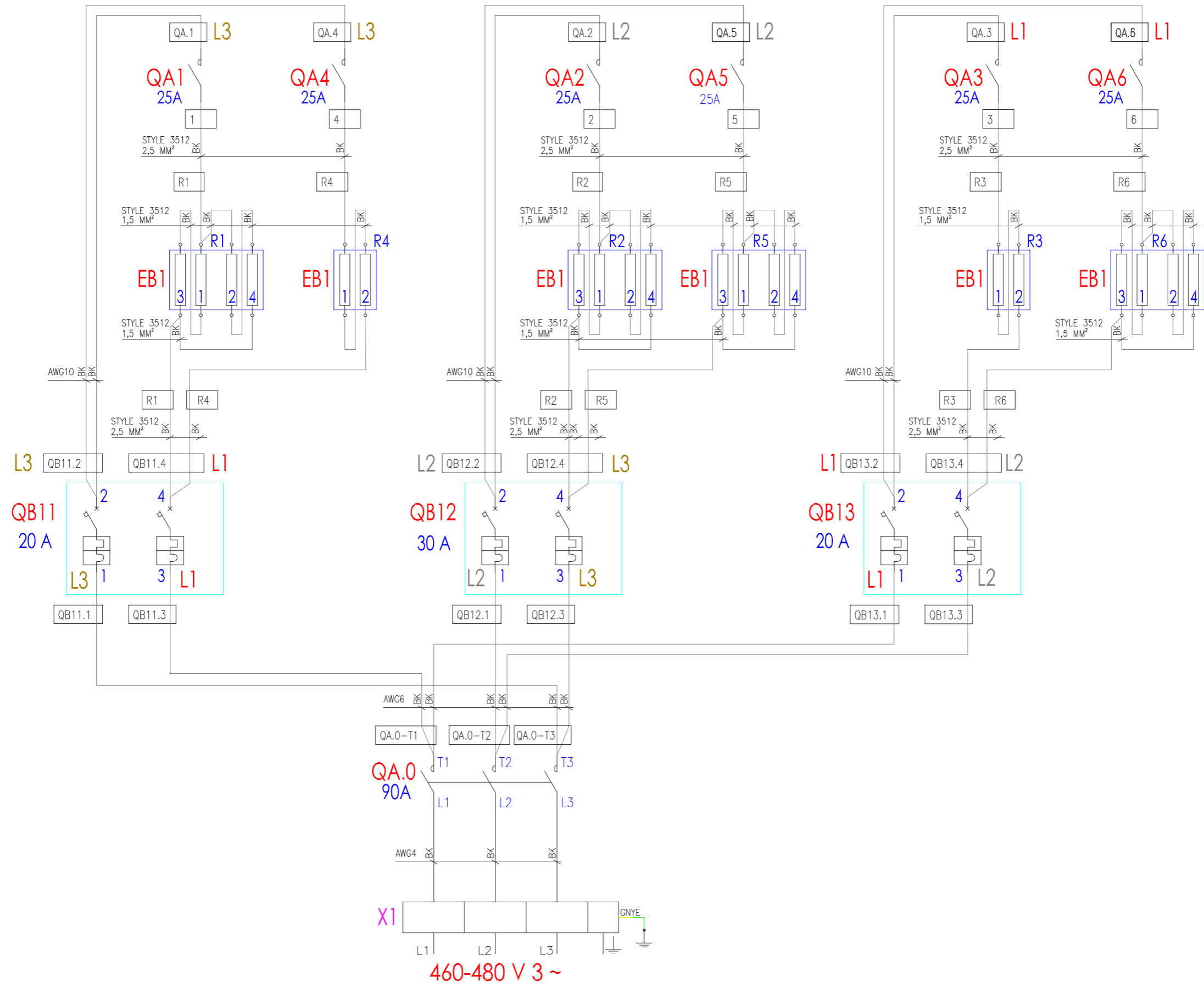
11 UDFIE40.. : STATIC RELAY I / O CARD CONNECTION; BOTTOM THERMOCOPIY; HEART PROBE



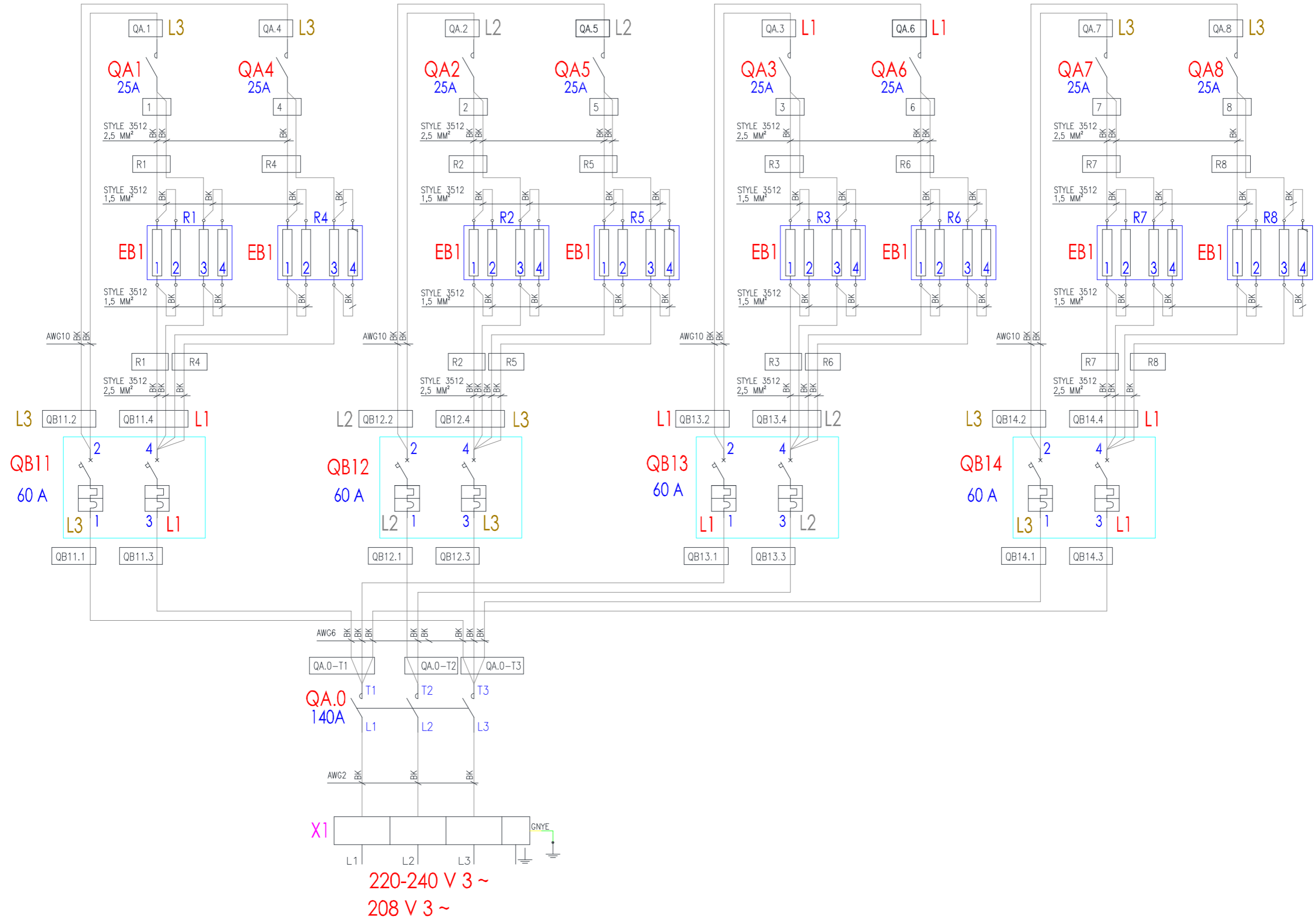
12 UDFIE27.. 208 V 3 ~ :220-240 V 3 ~: STATIC RELAY CONNECTION; HEATING ELEMENTS



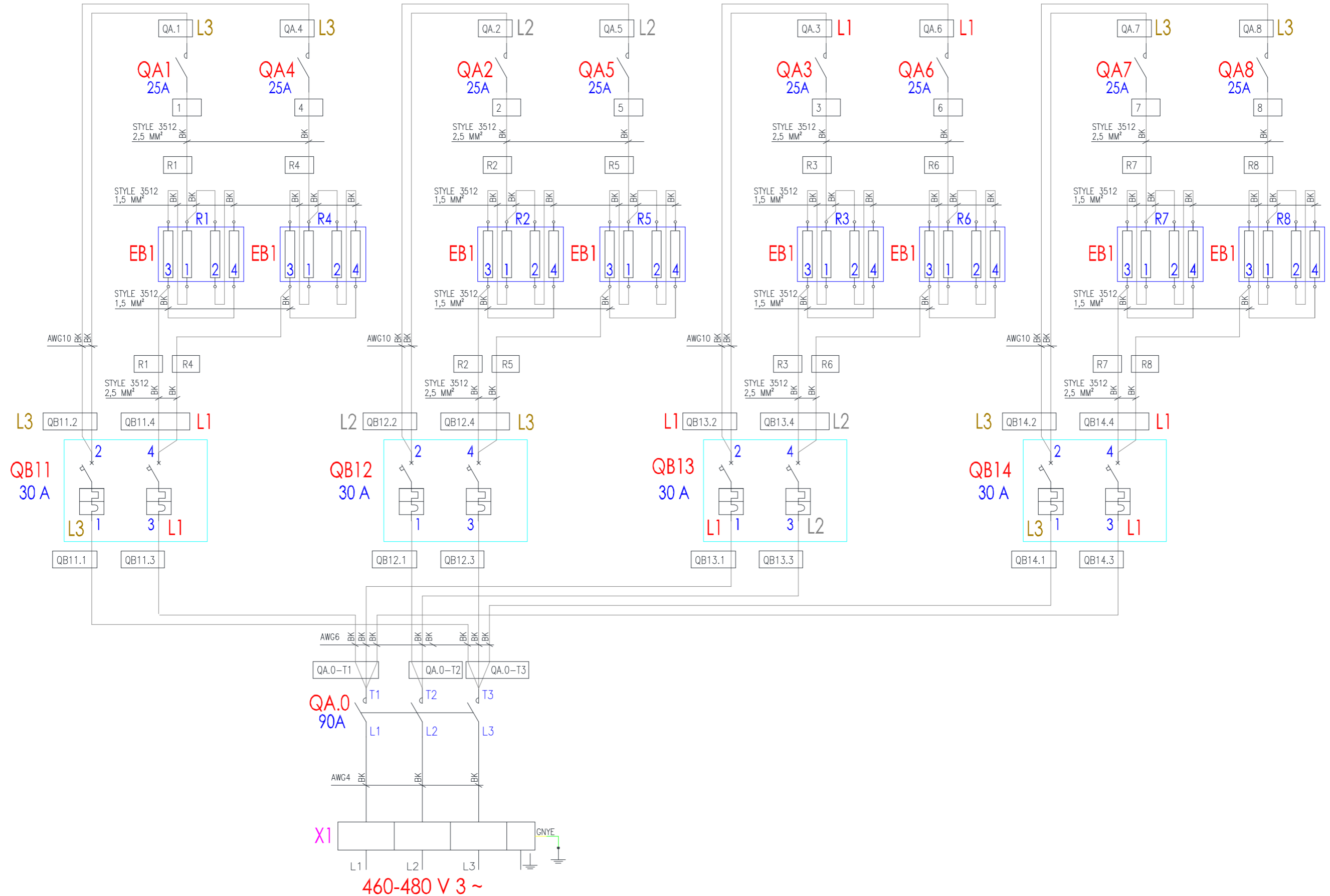
13 UDFIE27.. 460-480 V 3 ~ : STATIC RELAY CONNECTION; HEATING ELEMENTS

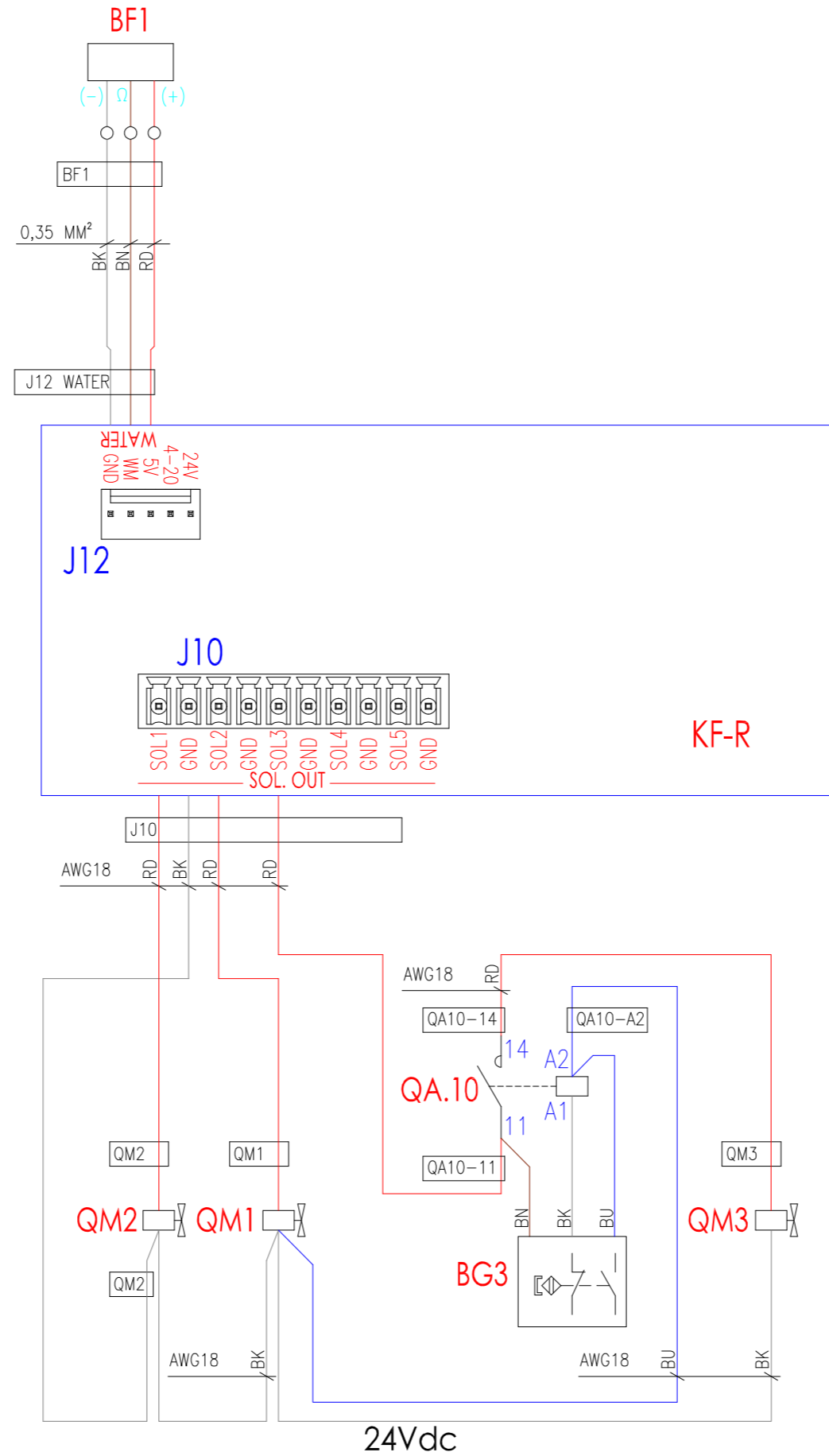


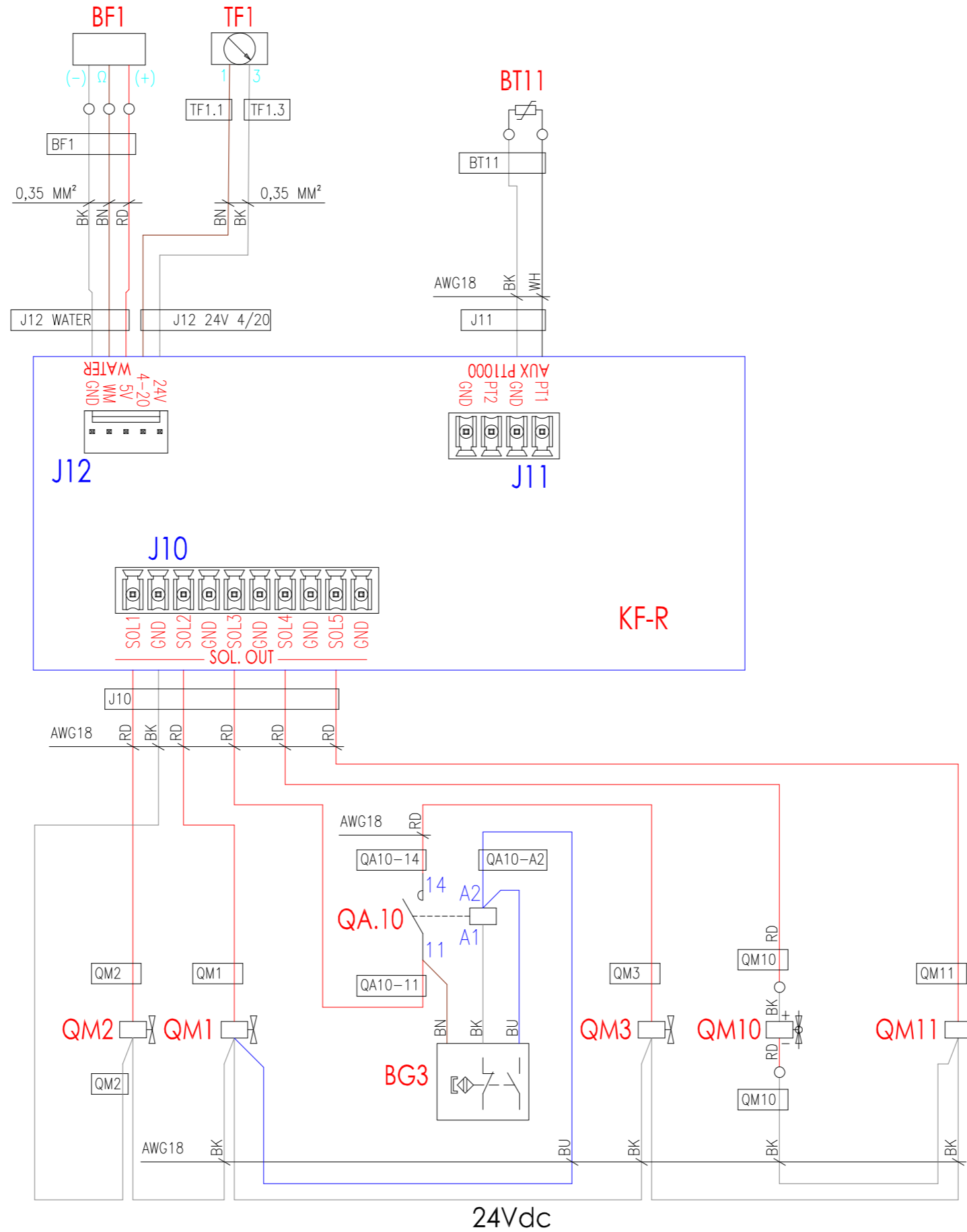
14 UDFIE40.. 208 V 3 ~: 220-240 V 3 ~: STATIC RELAY CONNECTION; HEATING ELEMENTS

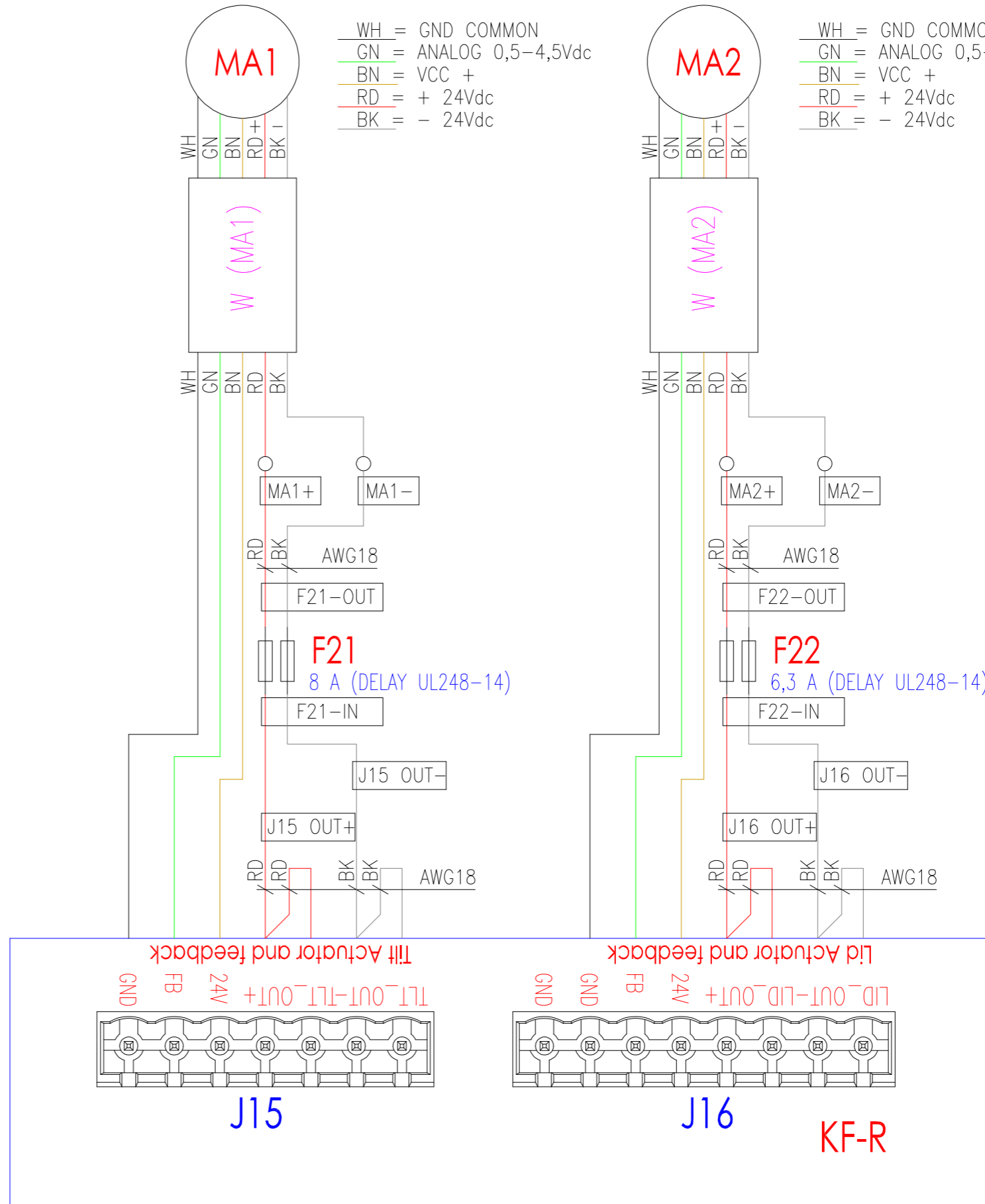
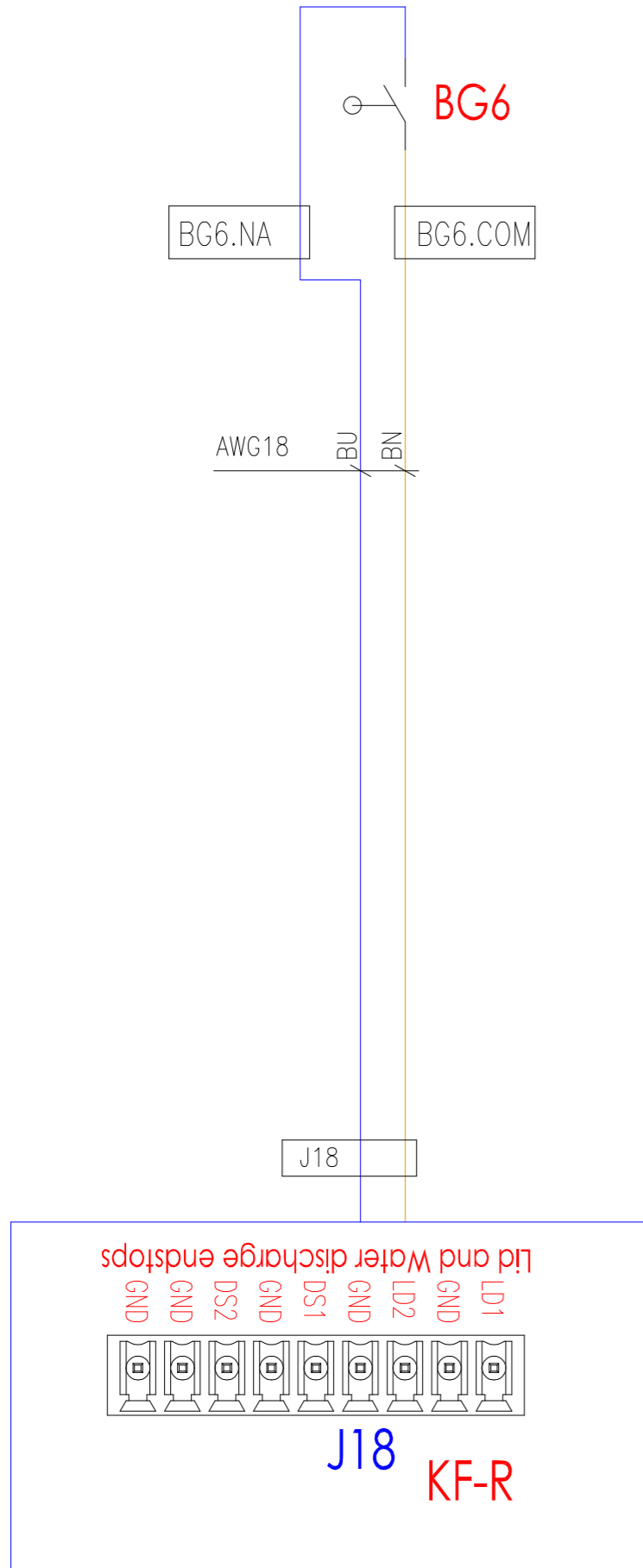


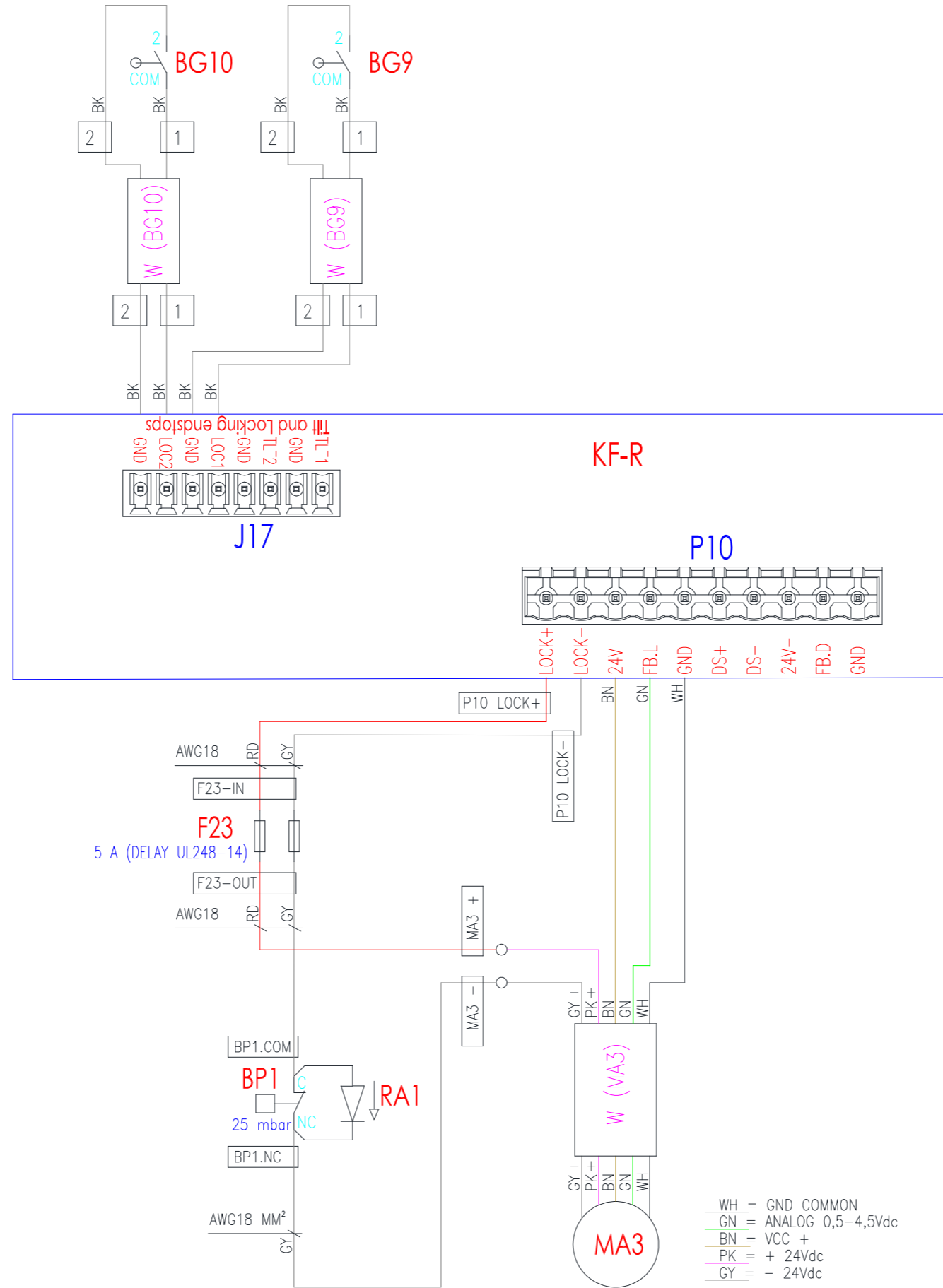
15 UDFIE40.. 460-480 V 3 ~ : STATIC RELAY CONNECTION; HEATING ELEMENTS

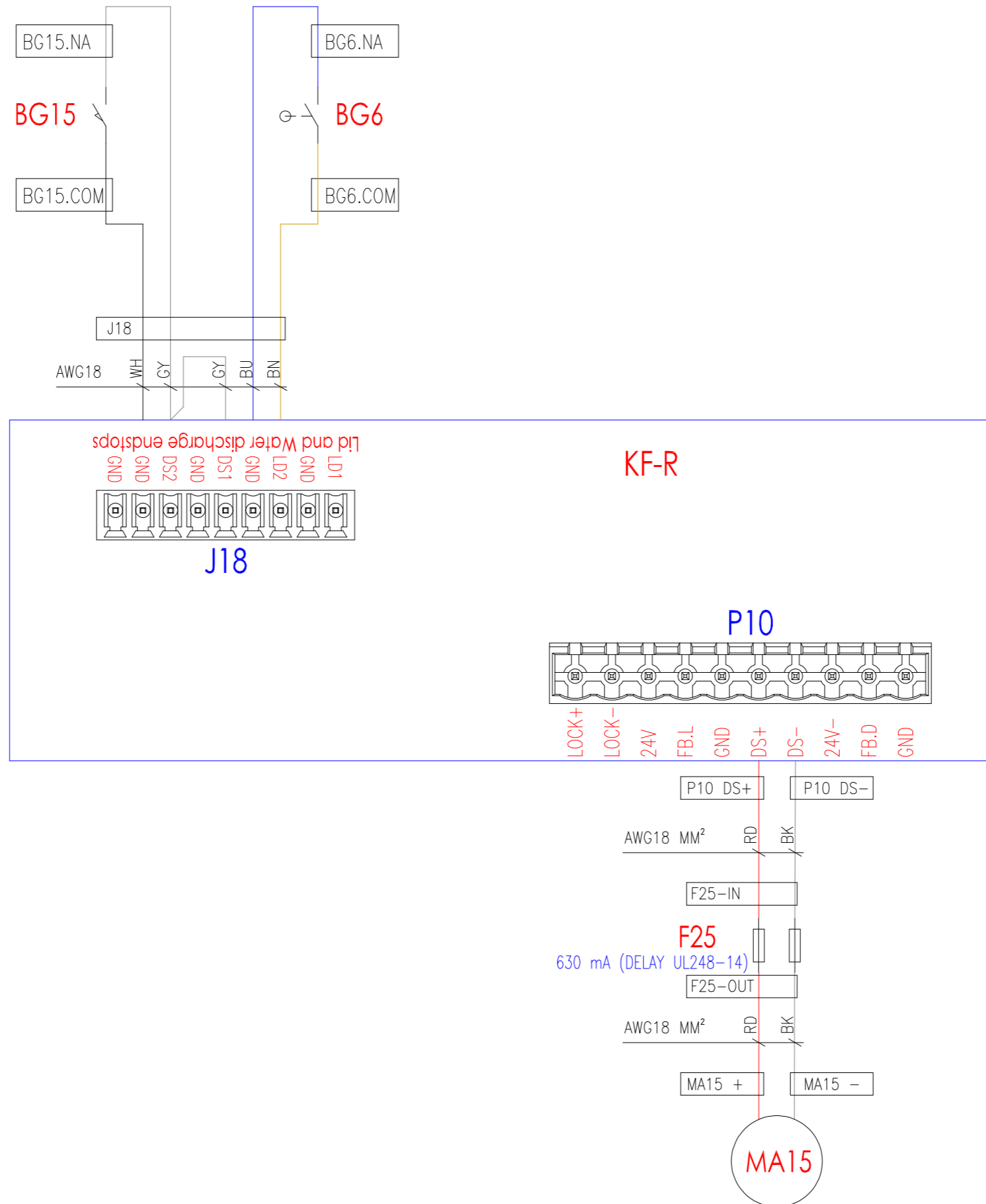




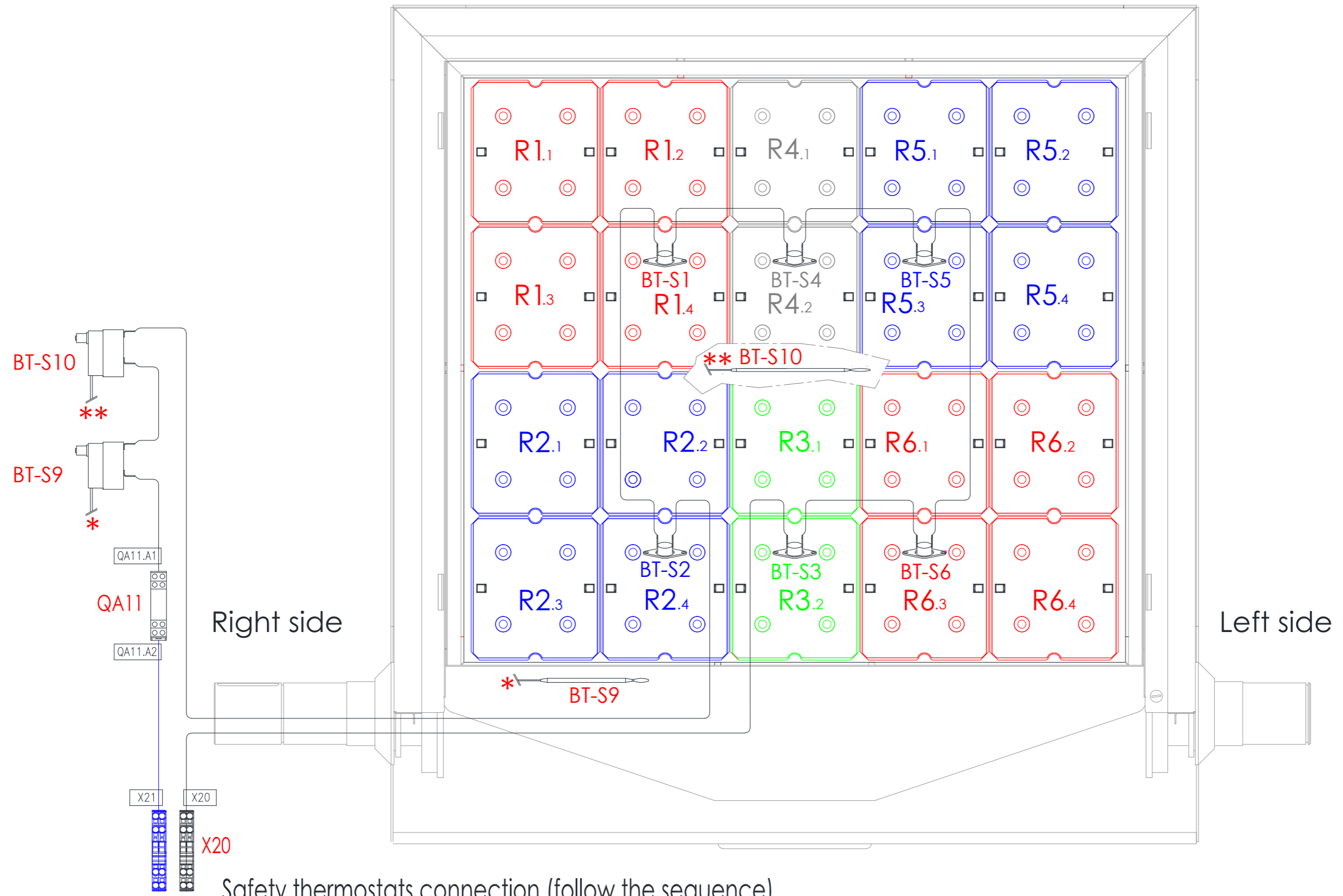






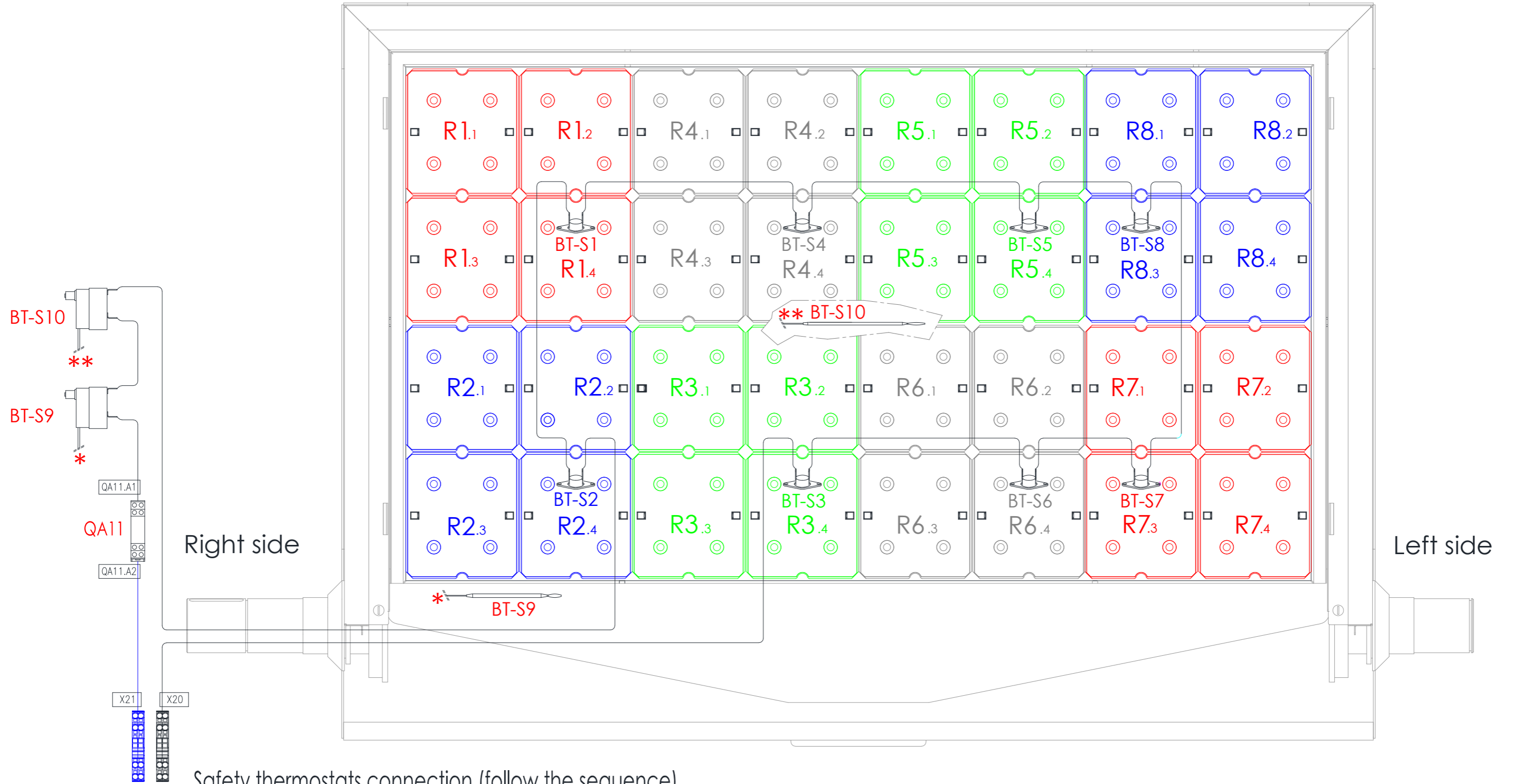


VIEW OF THE OVERTURNED TANK OF 180°



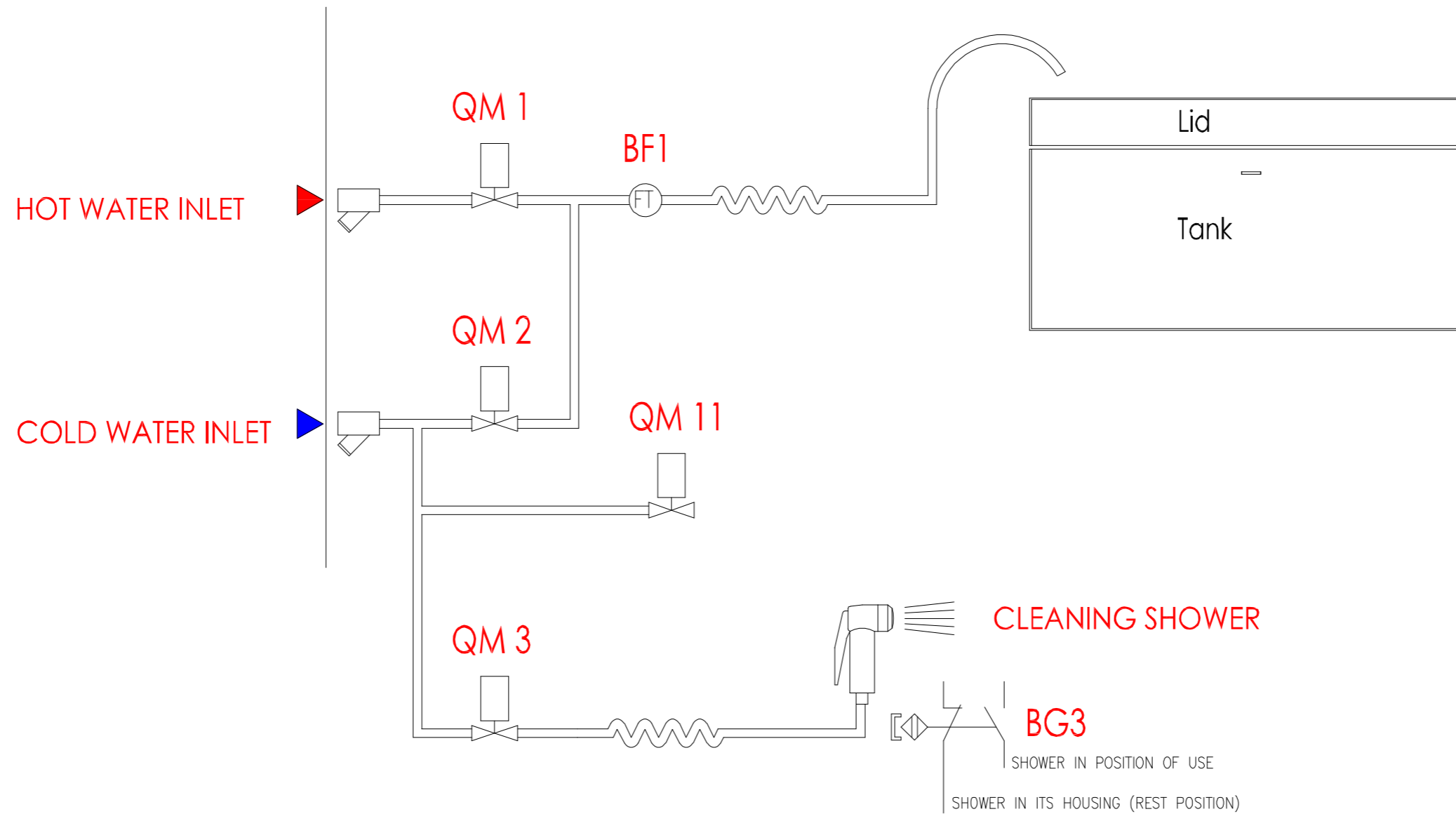
Safety thermostats connection (follow the sequence)

VIEW OF THE OVERTURNED TANK OF 180°



Safety thermostats connection (follow the sequence)

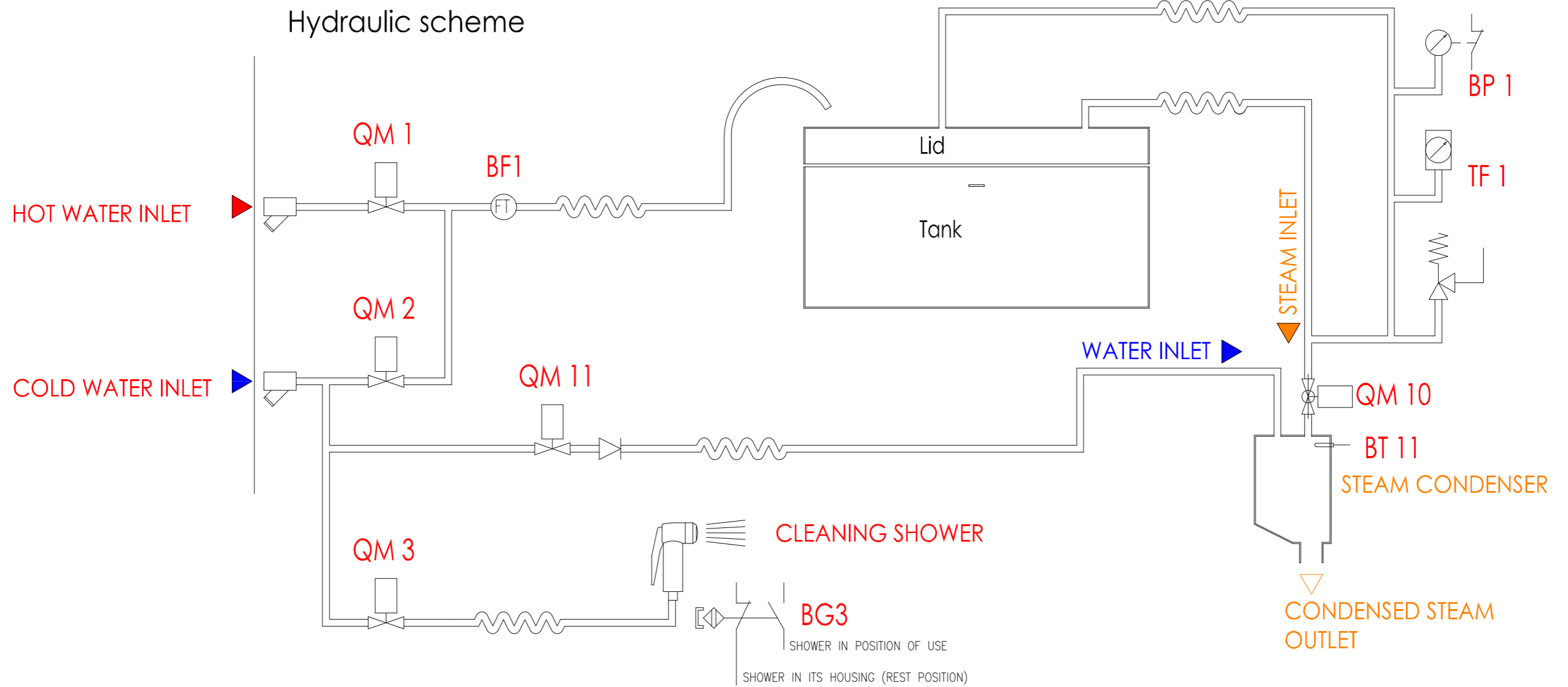
Hydraulic scheme



LEGEND GRAPHIC SYMBOLS

	Pressure reducer
	H2O filter
	Solenoid valve n.c.
	Solenoid valve n.o.
	Non-return valve

	Liters counter
	Flexible pipes



LEGEND GRAPHIC SYMBOLS

	Pressure reducer
	H2O filter
	Solenoid valve n.c.
	Motorized ball valve n.o.
	Non-return valve

	Liters counter
	Flexible pipes
	Pressure switch
	Pressure probe
	Temperature probe

	Safety valve (..bar)