



CARATTERISTICHE ELETTRICHE
ELECTRIC CHARACTERISTIC

SERIES TCD/UR300...1000-pc01

| T-REF F+C | | T-REF F+U | |
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| | | | |
| | <i>P totale [kW]</i> | <i>P totale [kW]</i> | <i>P totale [kW]</i> |
| TREF CW 0300 | 1.482 | 3.9 | 3.9 |
| TREF CW 0380 | 1.482 | 3.9 | 3.9 |
| TREF CW 0400 | 2.786 | 7.6 | 7.6 |
| TREF CW 0500 | 2.816 | 7.6 | 7.6 |
| TREF CW 0650 | 2.942 | 7.7 | 7.7 |
| TREF CW 0750 | 2.942 | 7.7 | 7.7 |
| TREF CW 0900 | 4.323 | 11.6 | 11.6 |
| TREF CW 1000 | 4.476 | 11.6 | 11.6 |

| T-REF F+C | | T-REF F+C+U | |
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| | <i>P totale [kW]</i> | <i>P totale [kW]</i> | <i>P totale [kW]</i> |
| TREF CW 0300 | 7.882 | 31.7 | 31.7 |
| TREF CW 0380 | 11.082 | 45.6 | 45.6 |
| TREF CW 0400 | 9.166 | 35.4 | 35.4 |
| TREF CW 0500 | 9.216 | 35.5 | 35.5 |
| TREF CW 0650 | 12.542 | 49.4 | 49.4 |
| TREF CW 0750 | 15.742 | 63.3 | 63.3 |
| TREF CW 0900 | 13.923 | 53.3 | 53.3 |
| TREF CW 1000 | 14.076 | 53.4 | 53.4 |

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| REV. | MODIFICATIONS | DATE | SIGN. | APPR. | DATE | 14/07/2005 | REPLACE | REPLACE | ORIGIN: | HF620C0302 | SHEET | 1 OF 21 |
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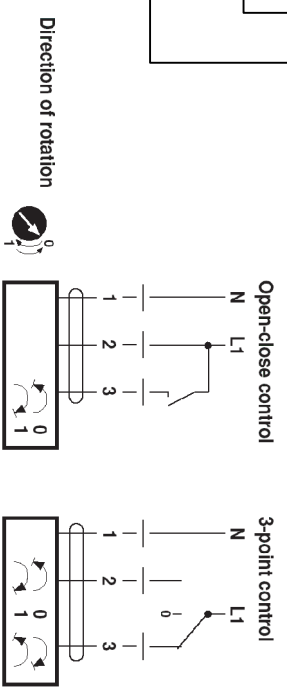
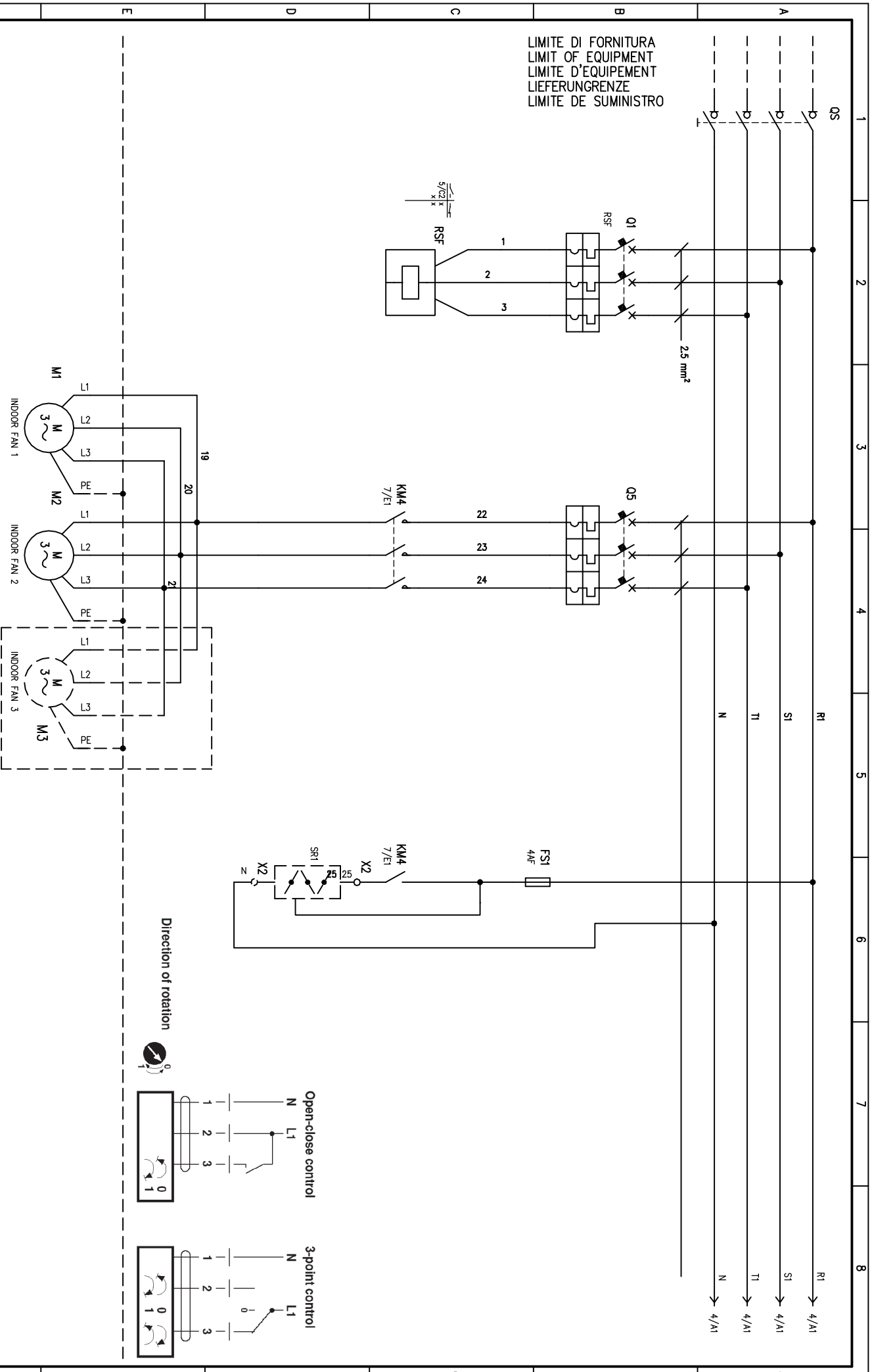


| SIGN. | Descriptions | Note | SIGN. | Descriptions | Note | SIGN. | Descriptions | Note |
|------------|---|------|------------|--|------|-------------------|---|------|
| KM3 | CONTATTORE UMIDIFICATORE HUMIDIFIER CONT. CONT. HUMIDIFICATEUR BEFEUCHTER VERSORGUNG CONT. HUMIDIFICADOR | | RSF | RELET SEQUENZA FASE PHASE SEQUENCE CONTROL RELAY RELAIS DE CONTROLE DE PHASE D'ETAGE STEUERRELAIS FUER PHASEVOEGE RELE CONTROL SECUENCIA FASES | | Q1 | INTERR. RSF SWITCH RSF INTERR. RSF AUTOMATISCHER RSF INTERR. RSF | |
| KM4 | CONTATTORE MOTOVENTILATORE FAN MOTOR CONTACTOR MOTOR VENTILATOR CONTACTOR VENTILADOR DEL MOTOVENTILADOR | | SRI | SERRANDA DAMPER REGISTRE MOTORISERTE COMPUERTA | | SJ | SONDA UMIDITA' HUMIDITY PROBE HYGRUMETRE FUEHLER LUFTFEUCHTHEITMESSUNG SONDE DE HUMEDAD | |
| TR | TRASFORMATORE TRANSFORMER TRANSFORMATEUR TRANSFORMADOR TRANSFORMADOR | | FSI | PRESSOSTATO FLUSSO ARIA AIR FLOW PRESSURE SWITCH PRESSOSTAT D'ENGAGEMENT DE FILTRE DRUCKSCHALTER NIEDERDRUCK PRESSOSTATO DE BAJA | | Q4 | INTERR. UMIDIFICATORE SWITCH HUMIDIFIER INTERR. HUMIDIFICATEUR AUTOMATISCHER BEFEUCHTER INTERR. HUMIDIF. | |
| OS | INTERRUTTORE GENERALE MAIN SWITCH INTERRUPTEUR GENERAL HAUPTSCHALTER INTERRUPTOR GENERAL | | TP1 TP2 | TERMOSTATO SICUREZZA RISCALDAMENTO HEATING SAFETY THERMOSTAT THERMOSTAT DE SECURITE CHAUFFAGE THERMOSTAT ELETTRICHEZZE THERMOSTATO DE SEGURIDAD DE LAS RESISTENCIAS | | Q5 | INTERR. VENTILATORI SWITCH FANS INTERR. VENT. AUTOMATISCHER VENT. INTERR. VENT. | |
| M1 | MOTOVENTILATORE EVAPORANTE EVAP. FAN MOTOR | | P1 | PRESSONE CONDENSAZIONE CONDENSING PRESSION SENSOR SONDE DU PRESSION DE CONDENSATION KONDENSATIONSDRUCK-FUEHLER SONDA PRESION CONDENSACION | | Q6 | INTERR. RISCALDAMENTO ELETTRICO SWITCH E. HEATERS INTERR. CHAUFFAGE ELET. AUTOMATISCHER ELEKTR. HEIZUNG INTERR. RES. | |
| M2 | MOTEUR VENTILATEUR DE EVAP. EVAP.-LIEFER | | SA | TEMPERATURA AMBIENTE INTERNO SHELTER INTERNAL AIR TEMPERATURE SENSOR SONDE TEMPERATURE D'AIR INTERIEUR AUSSERER LUFTTEMP.-FILTER SONDA DE TEMPERATURA DE LA DESCARGA DE AIRE | | Q7 | INTERR. AUSILIARI SWITCH AUX. INTERR. AUS. AUTOMATISCHER AUX INTERR. AUS. | |
| M3 | MOTOVENTILADOR EVAPORADORA | | BP1 BP2 | PRESSOSTATO DI BASSA LOW PRESSURE P-SWITCH PRESSOSTAT BASSE PRESSION DRUCKSCHALTER NIEDERDRUCK PRESOSTATO DE BAJA | | FS3 | PRESSOSTATO FLUSSO ACQUA | |
| CM1 CM2 | COND. DI RIFASAMENTO POWER FACT CORRECTION COND. CORRECT. COS. PHI KOND. KORR. COS. PHI COND. DE COMP. DE FASES | | SM | TEMPERATURA ARIA IN MANDATA DISCHARGE AIR TEMPERATURE SONDE DE TEMPERATURE ZULUFT TEMPERATURE TEMP. DE LA DISCHARGA DE AIRE | | TP3 TP4 TP5 | TECNICHE VENTILATORI TEMAAL PROTECTION FANS TECNICHE VENTILATORI TECNICHE VENTILATORI TECNICHE VENTILATORI | |
| SE | TEMPERATURA ARIA ESTERNA OUTDOOR AIR SENSOR SONDE D'AIR EXTERNE AUSSENLUFTEHLER SONDA DE AIRE EXTERNA | | FS2 Y4 | PRESSOSTATO FILTRI SPORCHI CLOGGED FILTER PRESSURE SWITCH PRESSOSTAT D'ENGAGEMENT DE FILTRE DRUCKSCHALTER, FILTERSCHMUTZUNG PRESSOSTATO FILTROS SUCIOS | | Y5 | SCARICO ACQUA UMID. HUMIDIFIER DRAIN VALVE ELECTR. DE DRAINAGE DE HUMID. BEFEUCHTER ENTFEHLUNG VALVULA DESAGUE HUMID. | |
| R1 | RISCALDAMENTO ELETTRICO EL. HEATERS | | | | | | | |
| R2 | CHAUFFAGE ELECTRIQUE ELECTR. HEIZUNG RESISTENCIAS ELECTRICAS | | | | | | | |

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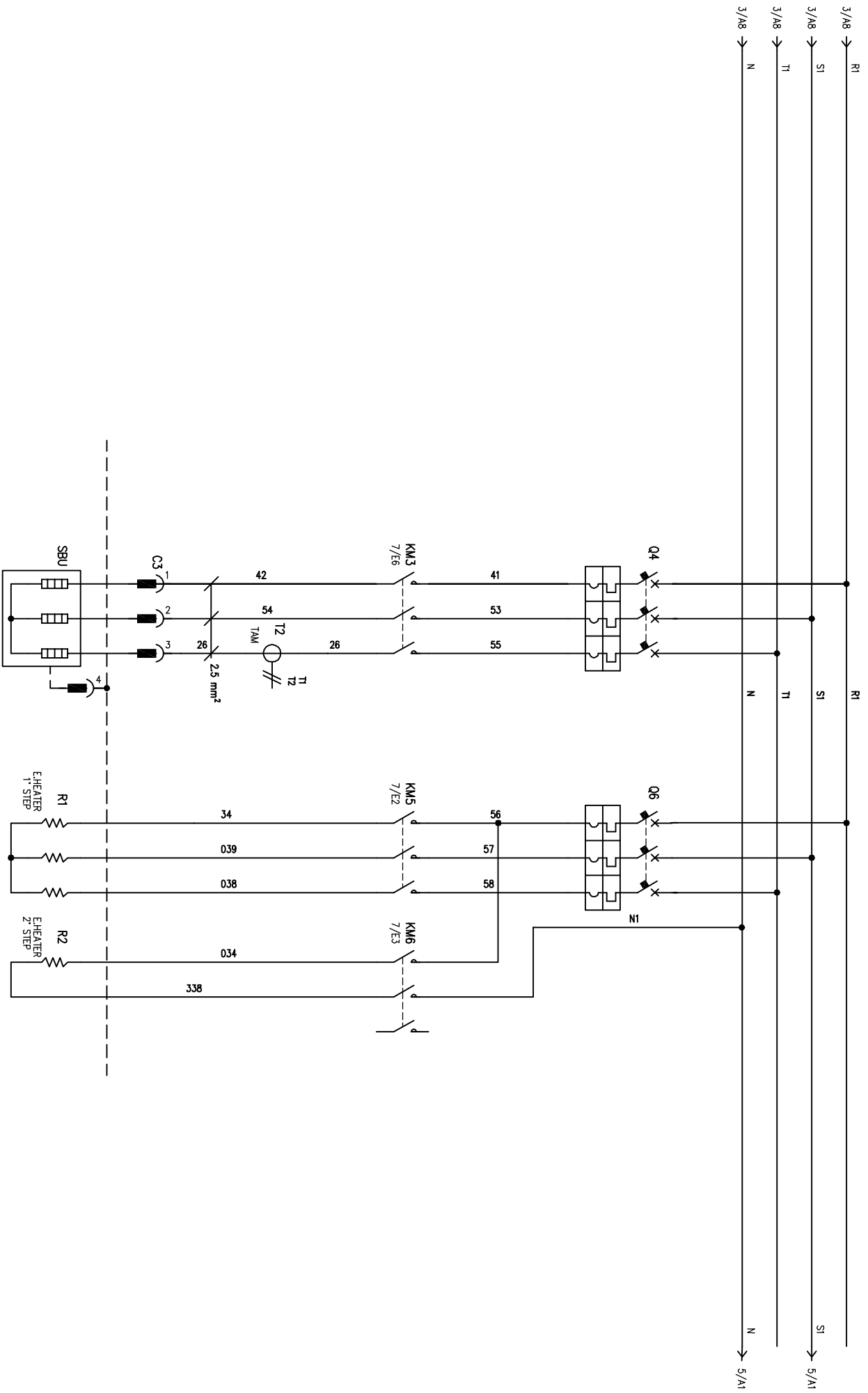
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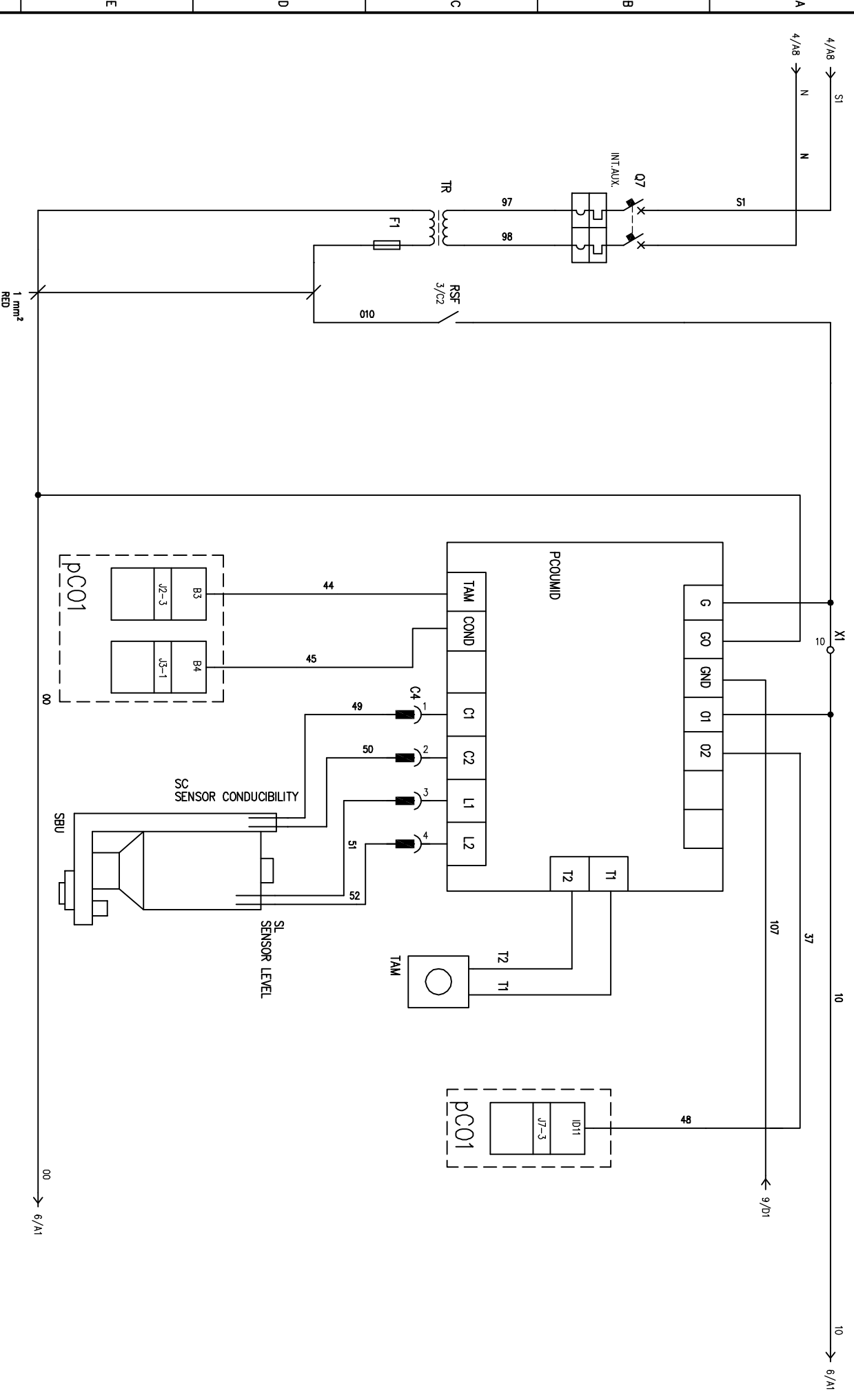
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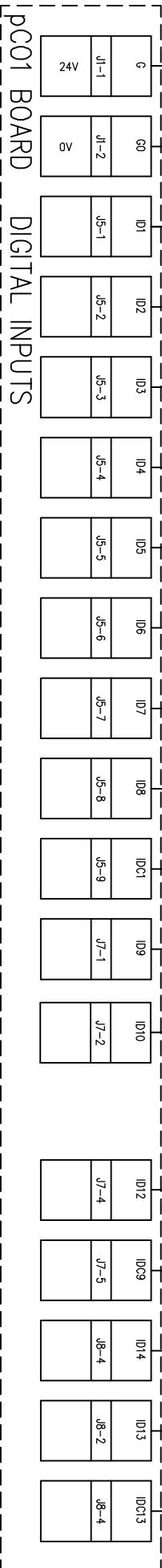




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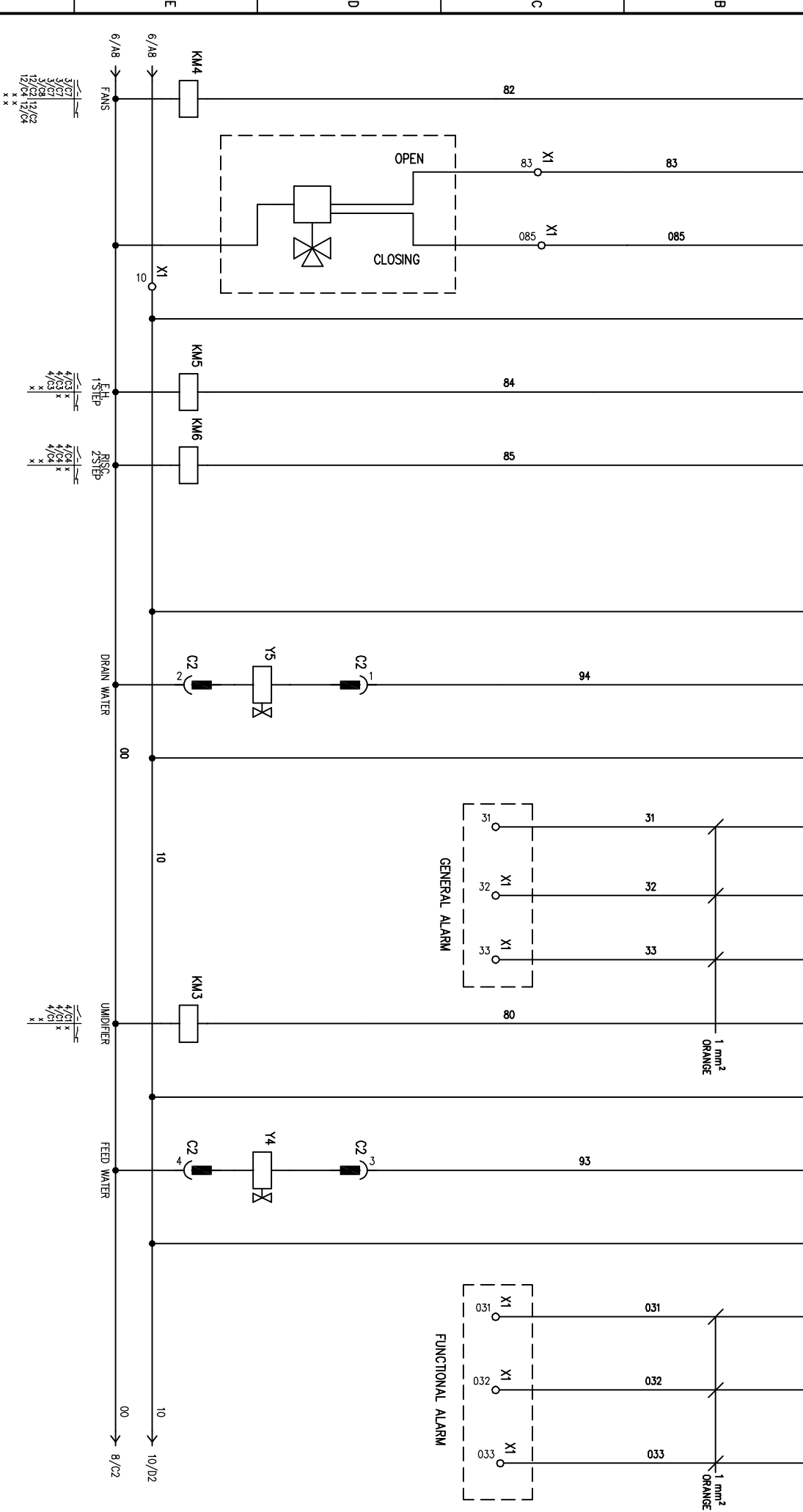


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SHEET 6 OF 21
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pc01 DIGITAL OUTPUTS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| NO1 | J12-2 | NO2 | J12-3 | NO3 | J12-4 | C1 | J12-5 | NO4 | J13-2 | NO5 | J13-3 | NO6 | J13-4 | C4 | J13-1 | NO7 | J14-2 | C7 | J14-3 | NO8 | J15-1 | C8 | J15-2 | NO9 | J15-3 | NO10 | J16-4 | C9 | J16-5 | NO11 | J17-1 | C12 | J17-2 | NO12 | J17-1 | C13 | J17-2 | NO13 | J17-1 | C13 | J17-2 | NO13 | J17-3 | NC13 | J17-3 |
|-----|-------|-----|-------|-----|-------|----|-------|-----|-------|-----|-------|-----|-------|----|-------|-----|-------|----|-------|-----|-------|----|-------|-----|-------|------|-------|----|-------|------|-------|-----|-------|------|-------|-----|-------|------|-------|-----|-------|------|-------|------|-------|



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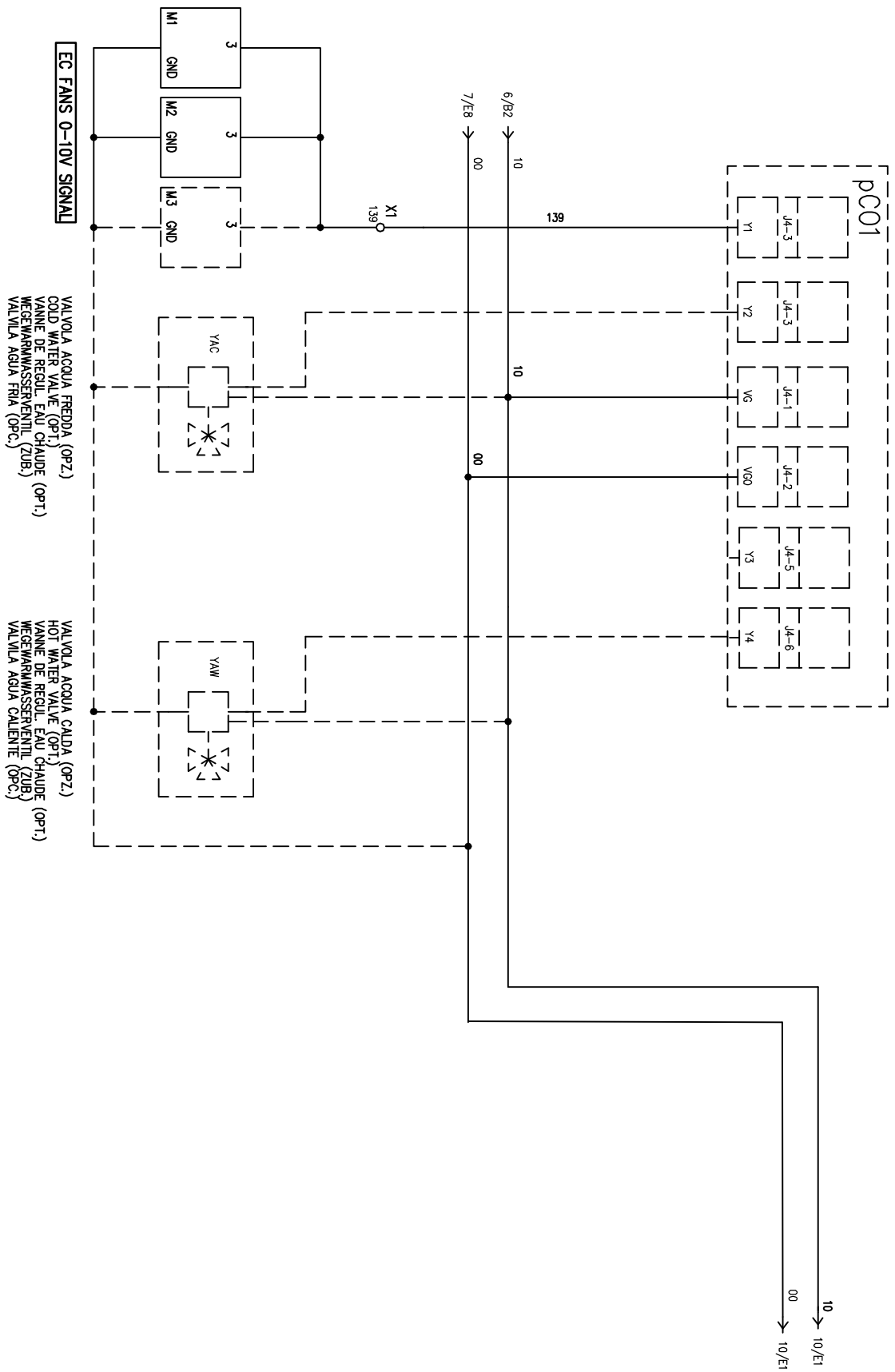
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FUNCTIONAL ALARM

GENERAL ALARM

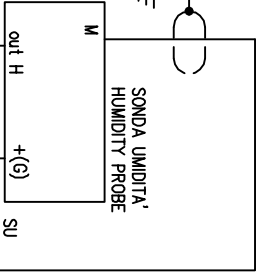
CONTROLLO VENTILATORI
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CONTROL VENTILATEUR



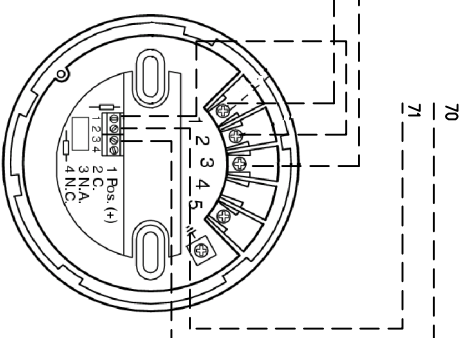
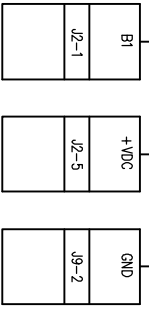
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| SHEET 8 OF 21 | | | | | | | | | | | | | | |
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CAVO 3X0,5mmq SCHEMATO
CABLE 3X0,5mmq SHIELDS

SONDA UMIDITA'
HUMIDITY PROBE



pc01 ANALOG. INPUTS

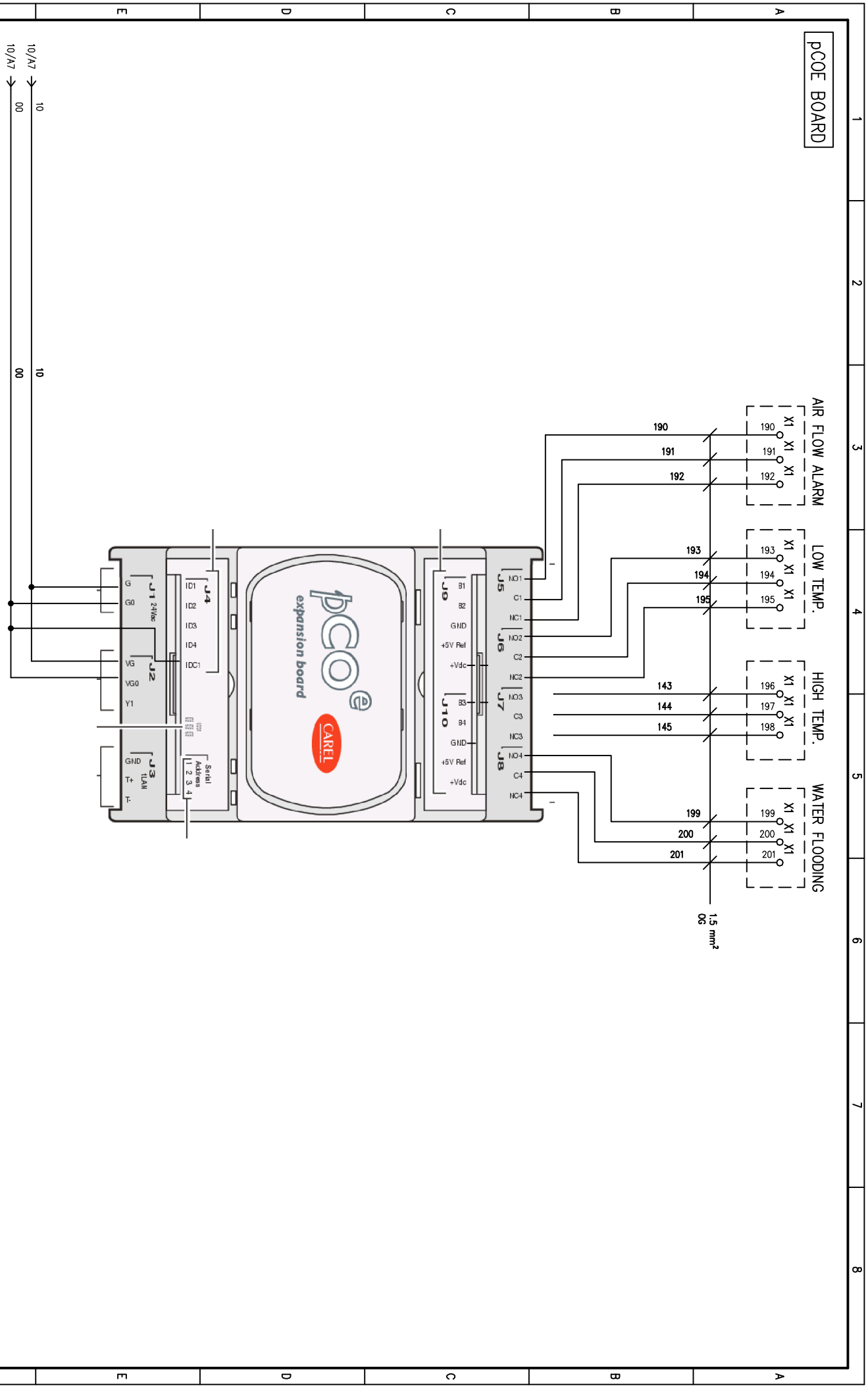


FIRE/SMOKE SENSOR
SFF
(OPZ.)

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PCCO BOARD

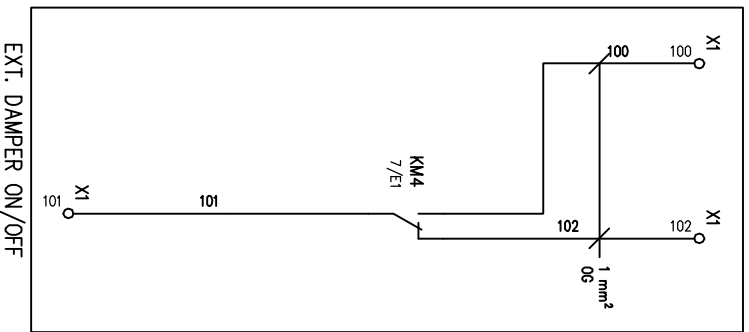


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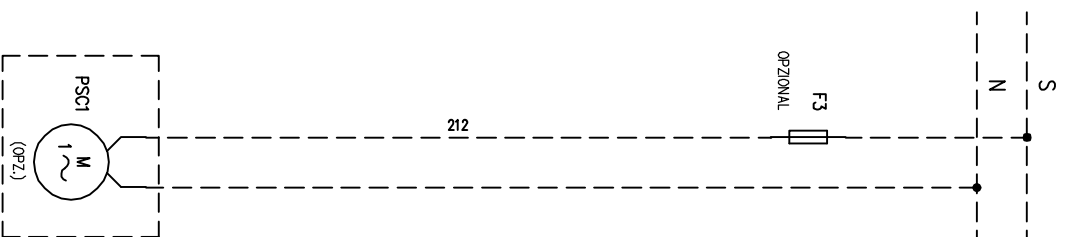
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CONTATTI PULITI SEGNALAZIONE REMOTA
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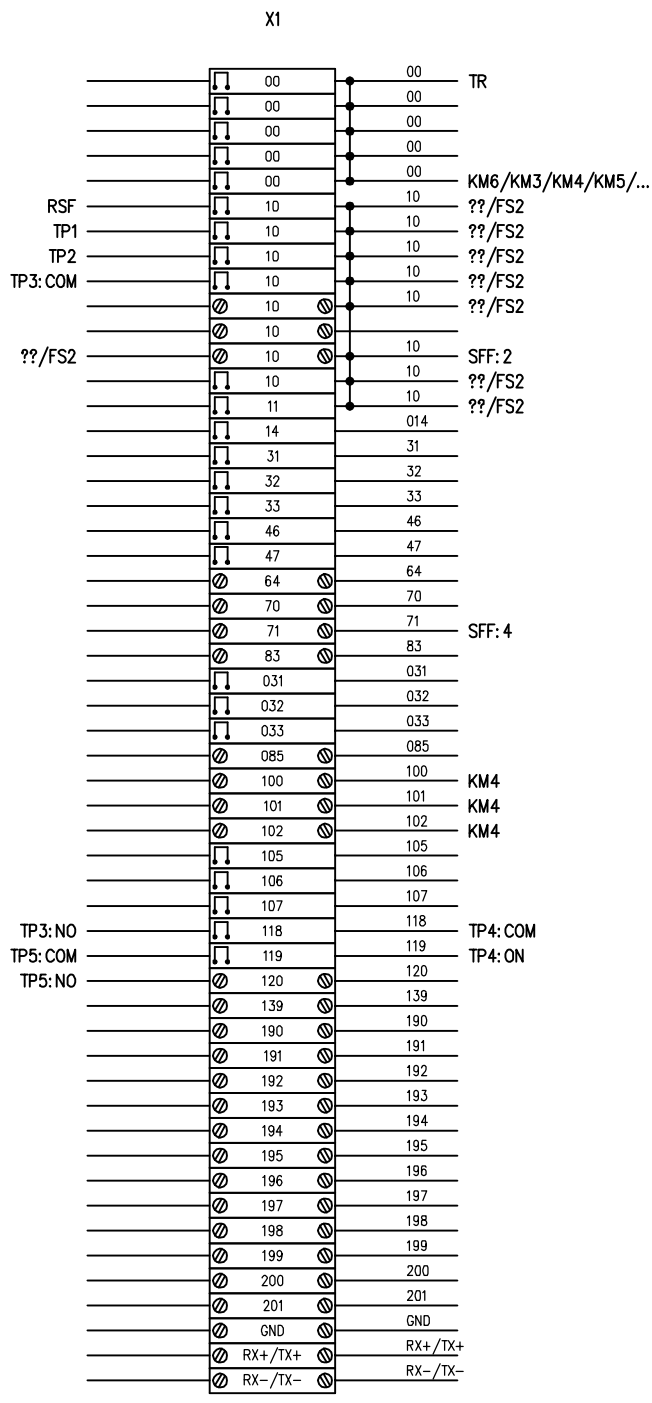
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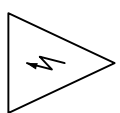
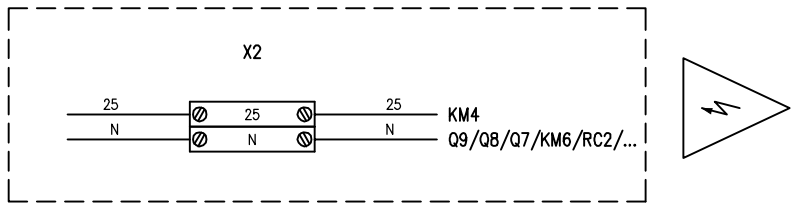


MORSE TIERA
 TERMINAL STRIP
 BORNIER
 KLEMMLEISTE
 KLEMMLEISTE



AIR FLOW/DIRTY FILTER

M3
 M3



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HF620C0302

SHEET 14 OF 21
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HUMID. CONNECTOR

LAYOUT SCHEDA ELECTRONIC BOARD LAYOUT

CONNETTORI PHOENIX A SPINA COMBICON CON PASSO 5,08 mm. COLORE
VERDE TIPO MS1B 2.5 :

TYPE OF SERIAL CARD:
SERIAL CARD RS485
SERIAL CARD RS232
SERIAL CARD LONWORKS
SERIAL CARD pCOWEB

| STG. | POLL | TRPQ | CODICE | STG. | POLL | TRPQ | CODICE |
|------|------|----------|------------|------|------|----------|------------|
| J1 | 2 | 2.5/2-ST | 17 57 01 9 | J11 | 3 | 2.5/3-ST | 17 57 02 2 |
| J2 | 5 | 2.5/5-ST | 17 57 04 8 | J12 | 5 | 2.5/5-ST | 17 57 04 8 |
| J3 | 4 | 2.5/4-ST | 17 57 03 5 | J13 | 5 | 2.5/5-ST | 17 57 04 8 |
| J4 | 6 | 2.5/6-ST | 17 57 05 1 | J14 | 3 | 2.5/3-ST | 17 57 02 2 |
| J5 | 9 | 2.5/9-ST | 17 57 08 0 | J15 | 3 | 2.5/3-ST | 17 57 02 2 |
| J6 | 4 | 2.5/4-ST | 17 57 03 5 | J16 | 5 | 2.5/5-ST | 17 57 04 8 |
| J7 | 5 | 2.5/5-ST | 17 57 04 8 | J17 | 3 | 2.5/3-ST | 17 57 02 2 |
| J8 | 5 | 2.5/5-ST | 17 57 04 8 | J18 | 3 | 2.5/3-ST | 17 57 02 2 |
| J9 | 3 | 2.5/3-ST | 17 57 02 2 | | | | POUNO |

C1
CONNETTORE FEMMINA 4 VIE AMP 1-480703-0

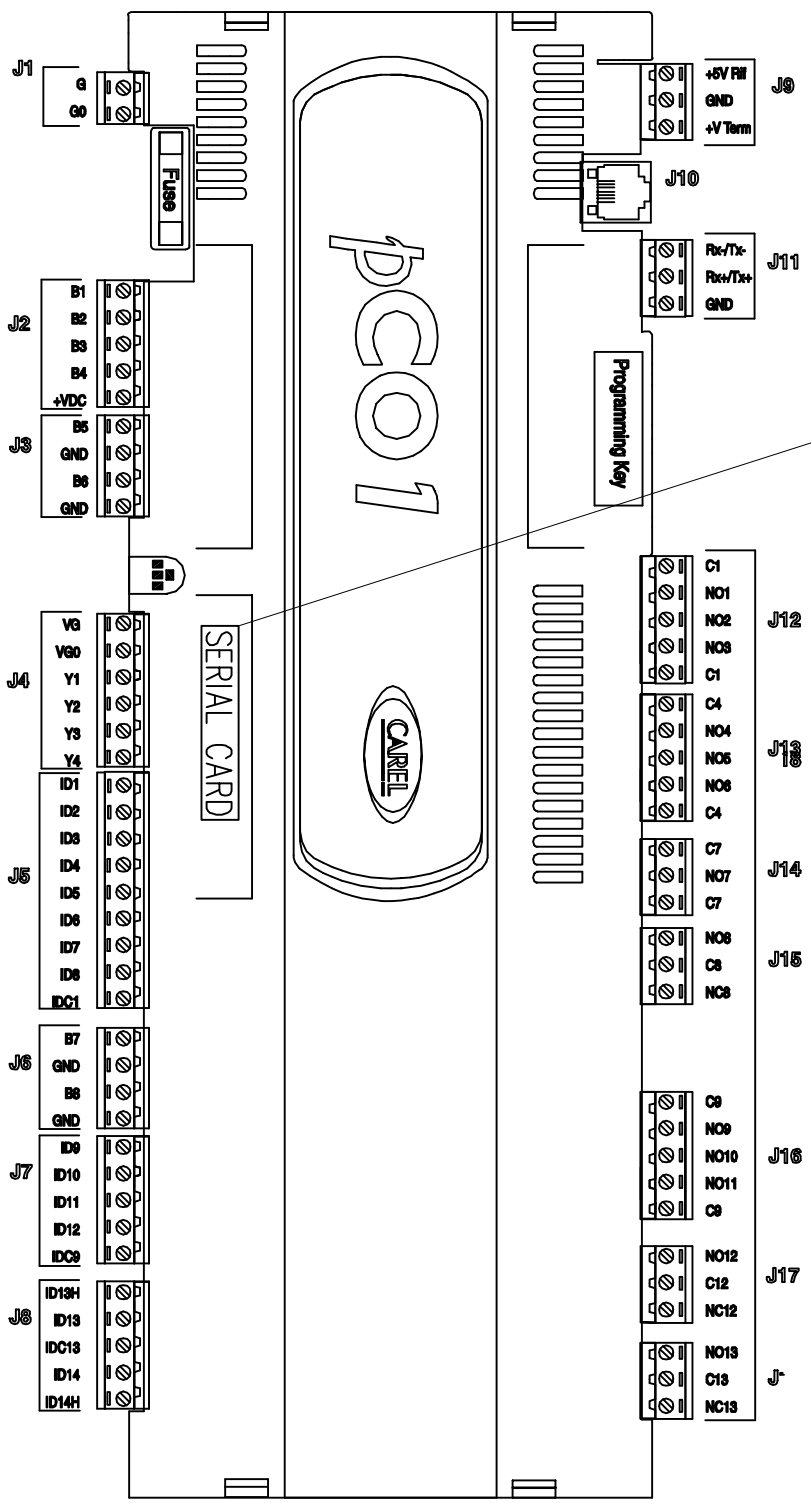
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|----|-----|-----------|
| 1 | 49 | 5/C6 |
| 2 | 50 | 5/C6 |
| 3 | 51 | 5/C6 |
| 4 | 52 | 5/C6 |

C2
CONNETTORE FEMMINA 4 VIE AMP 1-480703-0

| Ph | Fto | Posizione |
|----|-----|-----------|
| 1 | 94 | 7/D4 |
| 2 | 00 | 7/E4 |
| 3 | 93 | 7/D7 |
| 4 | 00 | 7/E7 |

C3
CONNETTORE FEMMINA 4 VIE AMP 1-480703-0

| Ph | Fto | Posizione |
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| 2 | 54 | 4/E2 |
| 3 | 26 | 4/E2 |
| 4 | | 4/E2 |

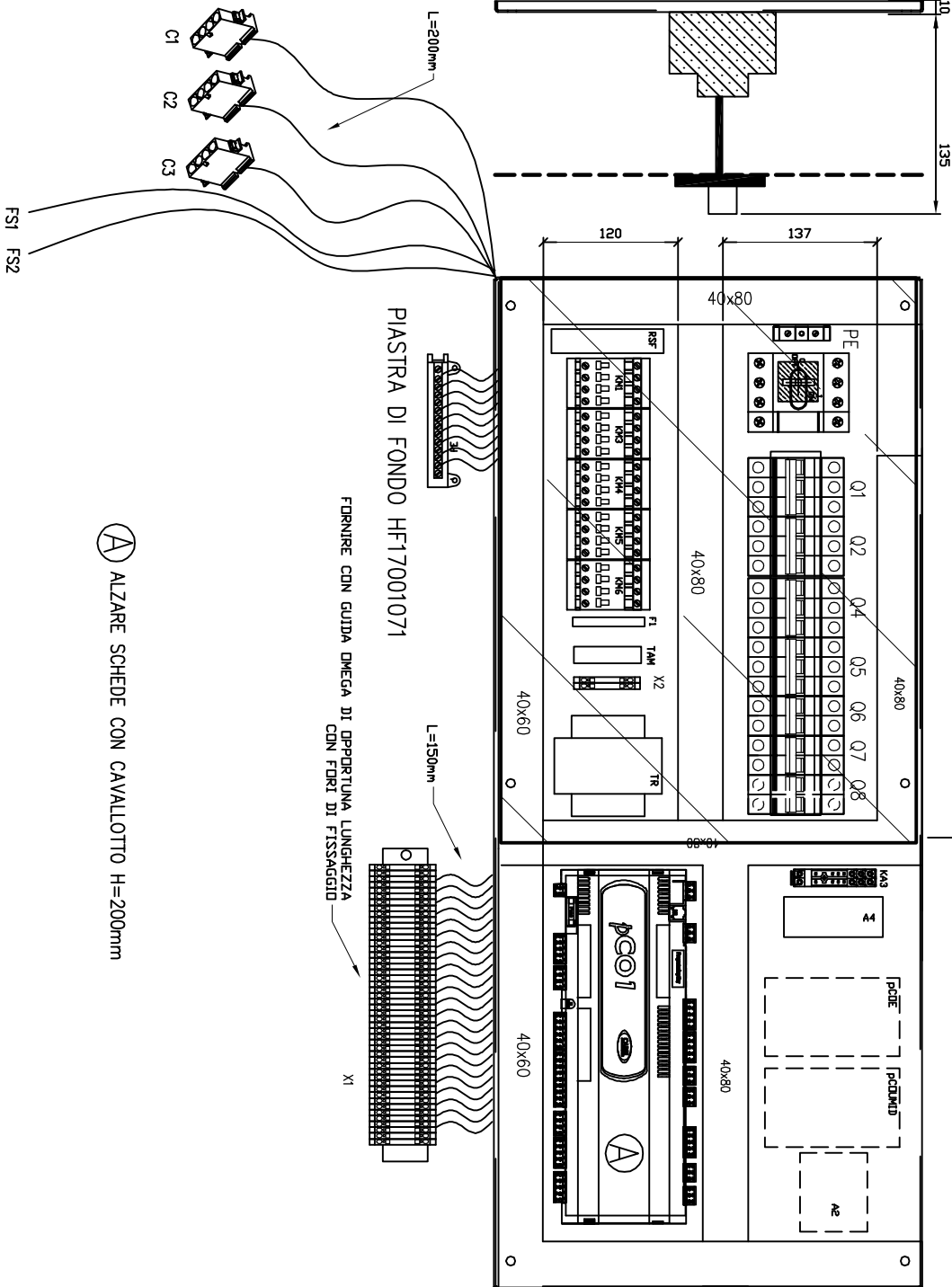


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LAYOUT 300...380

CAVO NPI 4X2,5mmq L=1000mm M1
 CAVO NPI 2X1mmq L=1000mm TP3
 CAVO NPI 2X1mmq L=1000mm TP4



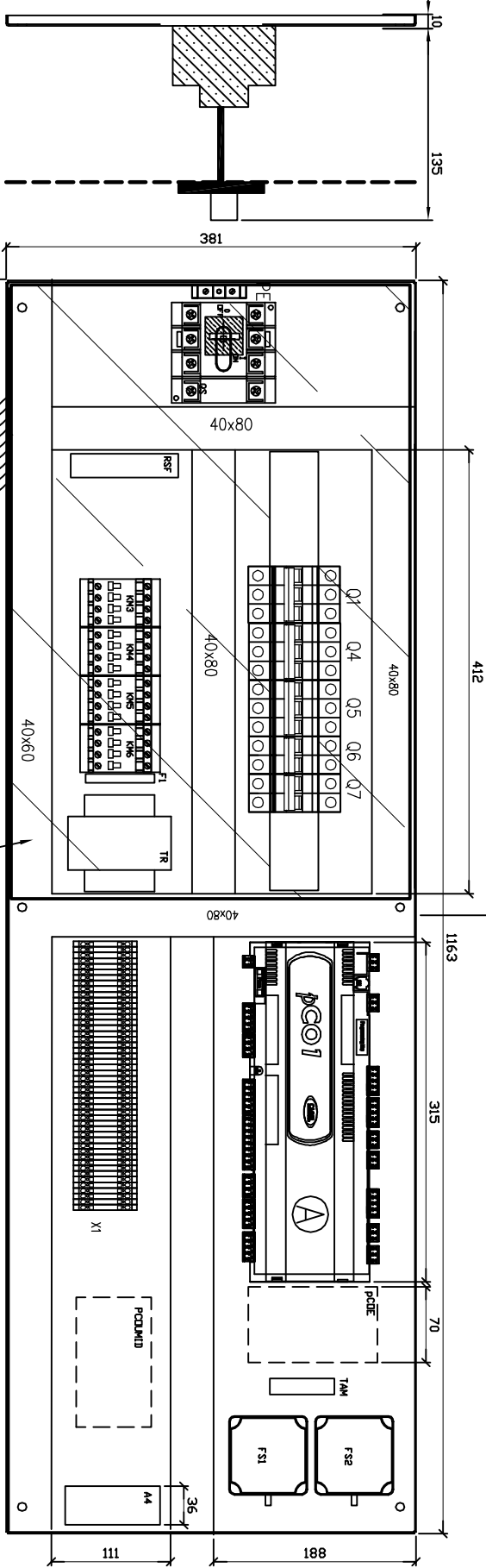
Ⓐ ALZARE SCHEDE CON CAVALLOTTI H=200mm

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SHEET 16 OF 21
 CONTINUE 17

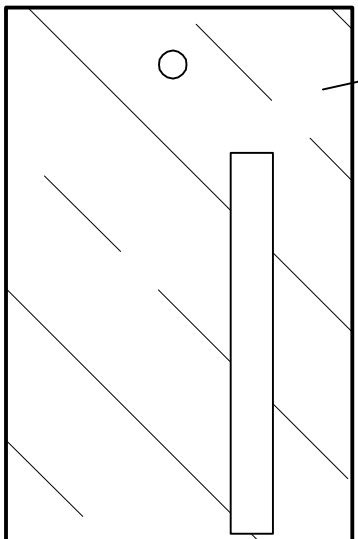
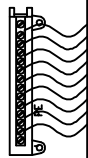
LAYOUT



- CAVO NPI 4X2,5mmq L=1000mm M1
- CAVO NPI 2X1mmq L=1000mm TP3
- CAVO NPI 2X1mmq L=1000mm TP4

PIASTRA DI FONDO HF17000968

- CAVO NPI 3X2,5mmq L=1500mm K1 FASTON ROSSI
- CAVO NPI 3X2,5mmq L=1500mm K2 FASTON ROSSI
- CAVO NPI 2X0,5mmq L=1500mm K1 FASTON ROSSI
- CAVO NPI 2X0,5mmq L=1500mm K2 FASTON ROSSI



(A) ALZARE SCHEDE CON CAVALLOTTO H=200mm

| | | | | | | | | | |
|------|---------------|------------|-------|-------|---------------|----------------|--------|----|--|
| REV. | MODIFICATIONS | DATE | SIGN. | APPR. | REPLACE | REPLACE | ORIGIN | | |
| 1 | | 14/07/2005 | | | | | | | |
| | | | | | LENNOX | | | | |
| | | | | | HF620C0302 | SHEET 17 OF 21 | | | |
| | | | | | | CONTINUE | | 18 | |

- NOTE:
- 1)CABLARE Q.E. COME SE FOSSE COMPLETO MA ANDRA INSTALLATO SOLO IL MATERIALE PER VERSIONE SOLO FREDDO
 - 2)PREDISPORRE CABLAGGI PER SCHEDA A1..A2..A3.A4..PCOE E TUTTA LA PARTE DELLA LAN CONNECCION
 - 3)REALIZZARE LASTRA DI PLEXIGLASS A COPERTURA PARTE DI POTENZA (VEDI LAYOUT)

| | | | | | | | | | | |
|------|---------------|------|-------|--------|------------|---------|---------|---------|------------|----------------|
| REV. | MODIFICATIONS | DATE | SIGN. | DATE | 14/07/2005 | REPLACE | REPLACE | ORIGIN: | HF620C0302 | SHEET 19 OF 19 |
| | | | | DATE | | REPLACE | REPLACE | | | CONTINUE |
| | | | | DIRAW, | | | | | | |
| | | | | CHECK | | | | | | |
| | | | | APPR. | | | | | | |



1 2 3 4 5 6 7 8