Building services

House connection, main distribution, water supply
and PV system with battery storage

Company	OpenECraft
Created by	OpenECraft
Date	2026-10-29
Revision	A
Number of pages	45

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… 5 more rows – see Reports window / CSV export

3/PEN AC 400 V 50 Hz, TN-C-S

-W1 NAYY-J 4 x 150 from the utility

=GRID+HAK-F1
House connection box
=GRID+HR/2.1.1.2

Busbar =MD+MD

=MD+MD-Q1
=GRID+HR/2.1.1.3

=MD+MD-Q2
=GRID+HR/2.1.1.6

=MD+MD-Q3
=MD+MD/2.2.1.3

=MD+MD-P1
=GRID+HR/2.1.1.3
Wh

=MD+MD-P2
=GRID+HR/2.1.1.6
Wh

=MD+MD-P3
=MD+MD/2.2.1.7
Wh

=CTL+CC1 automation

=WAT+CC2 pumps

=PV+ROOF-G1
=PV+GAK/7.1.1.1

=PV+ROOF-G2
=PV+GAK/7.1.1.6

=ESS+TR-T1
=ESS+ACD/7.2.2.4

=ESS+TR-T2
=ESS+ACD/7.2.2.6

=ESS+TR-T3
=ESS+ACD/7.2.2.8

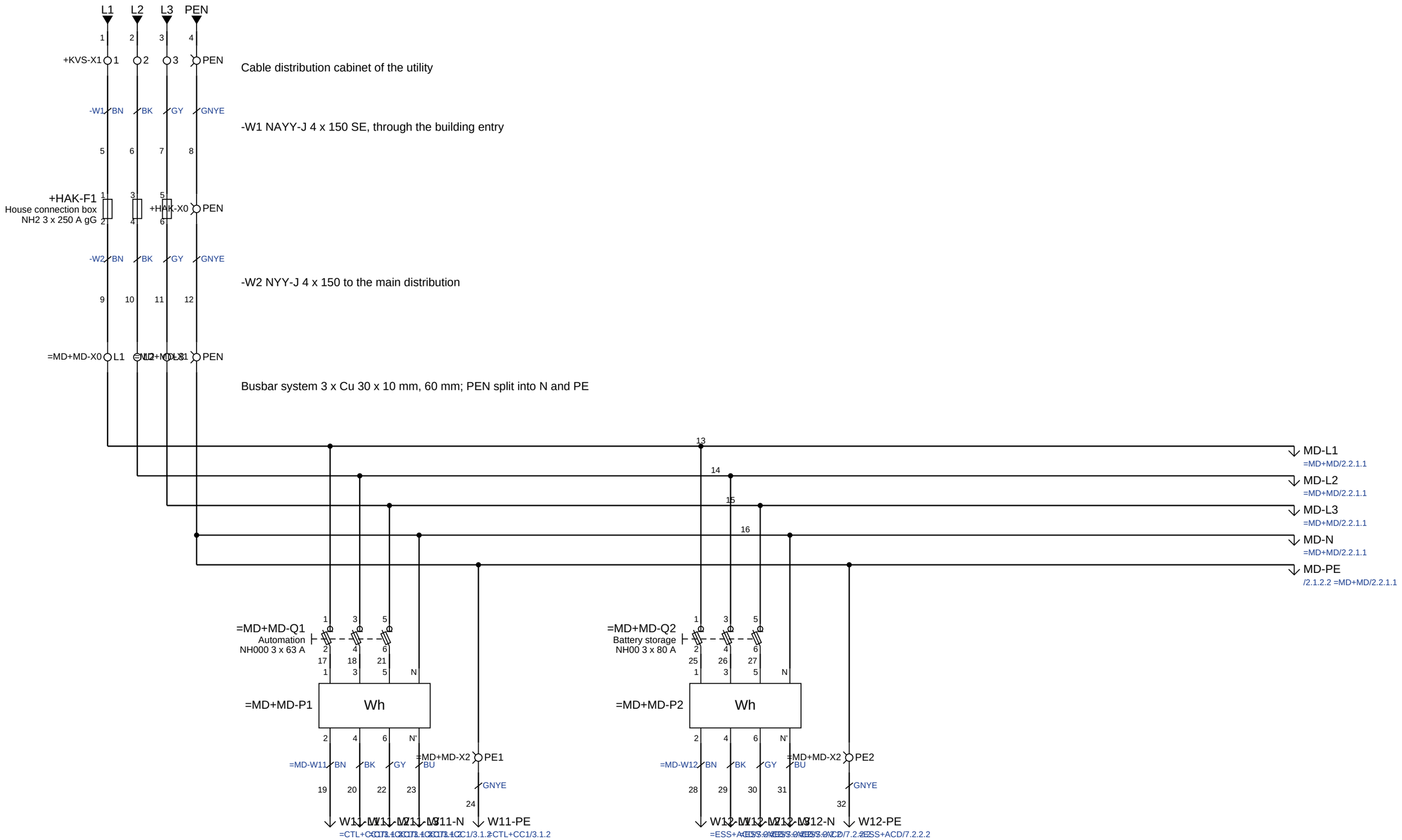
=PV+TR-T1
=PV+GAK/7.1.1.3

=PV+TR-T2
=PV+GAK/7.1.1.7

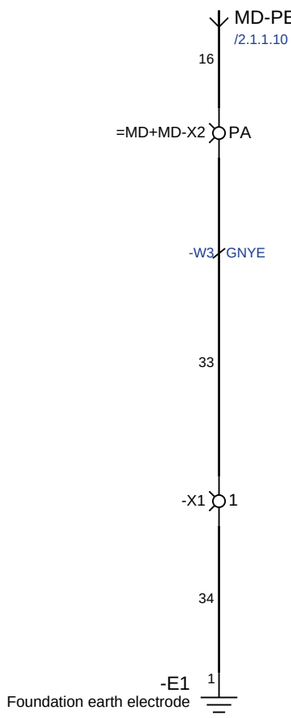
48 V DC

=ESS+RACK-G1
4 x Pylontech US5000
=ESS+TR/7.2.1.1

Company: OpenECraft	Date: 2026-10-29	Revision: A	Project / page description: Building services	Page: 1.3	Sheet: 3 / 45
	Creator: OpenECraft	Software: OpenECraft	Single-line diagram	Type: Overview	Project: Building services



Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=GRID+HR/2.1.1	4 / 45
	Creator	Software	House connection and busbar	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services



PE busbar of the main distribution

-W3 H07V-K 1 x 25 mm², main bonding conductor

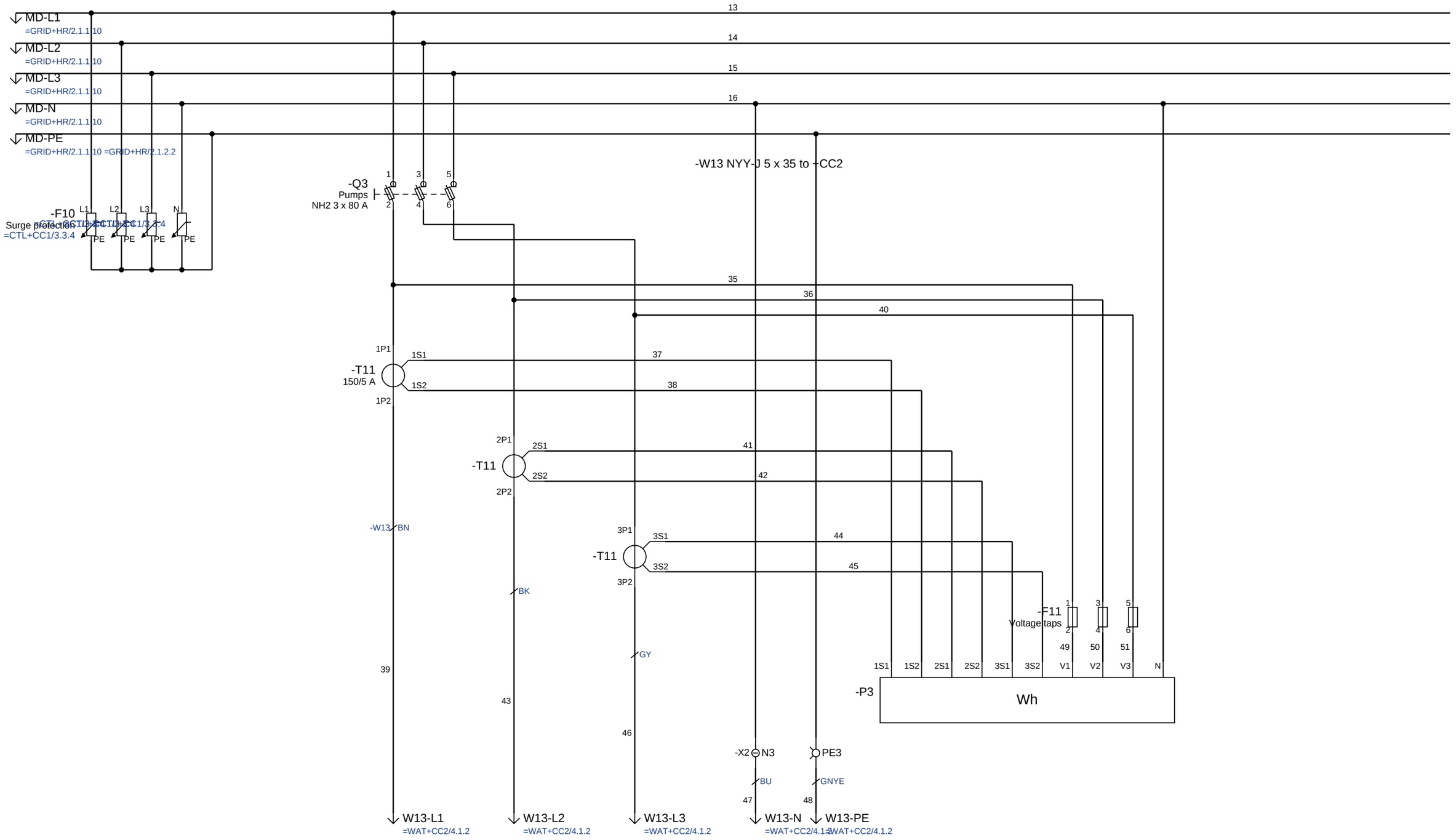
Main earthing busbar in the house connection room

Connection lug V4A Ø 10 mm out of the wall below the busbar

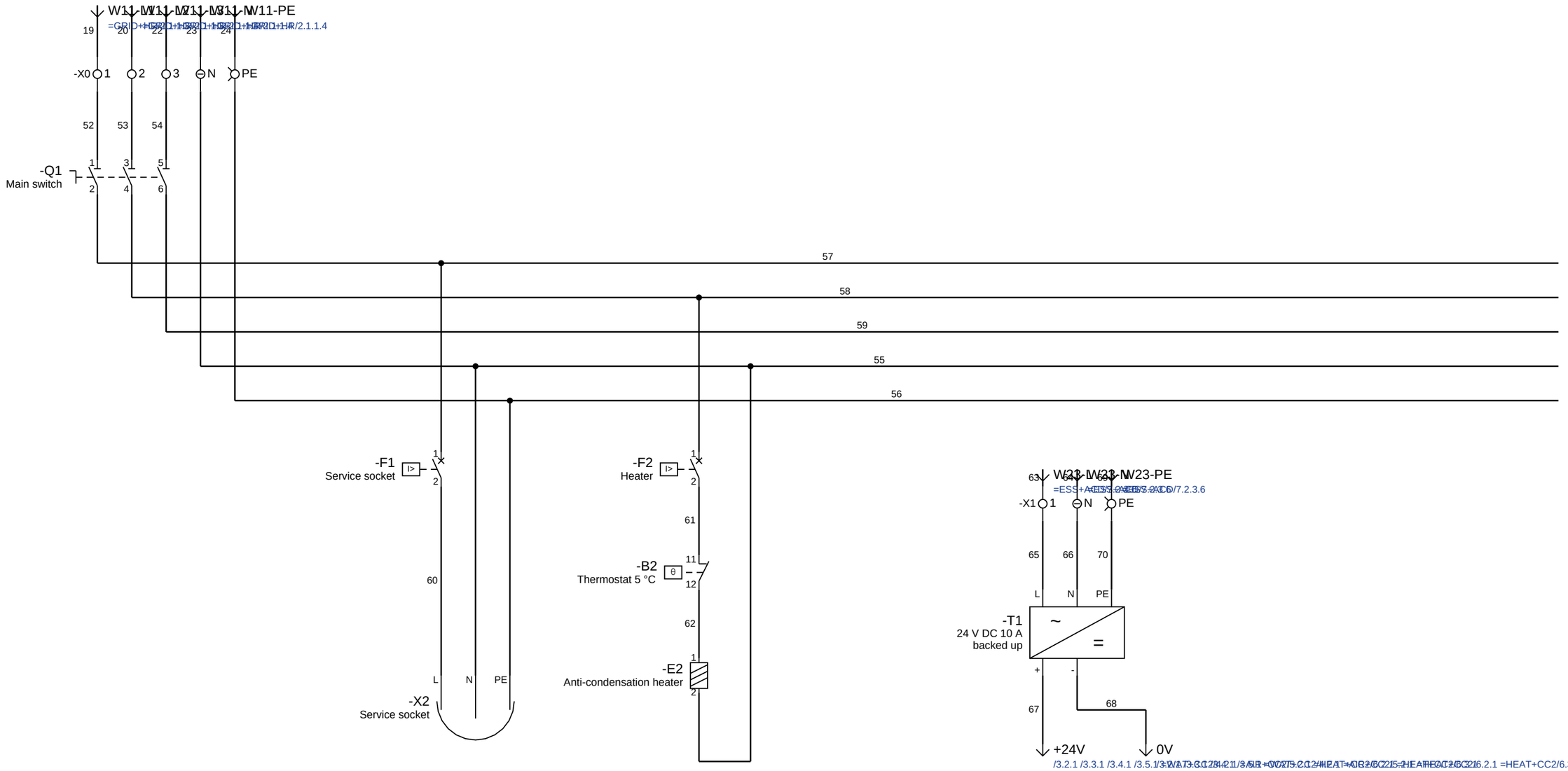
Foundation earth electrode: steel strip 30 x 3.5 mm in the foundation slab

TN-C-S: the PEN is split into N and PE in the main distribution

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=GRID+HR/2.1.2	5 / 45
	Creator	Software	Earthing and equipotential bonding	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

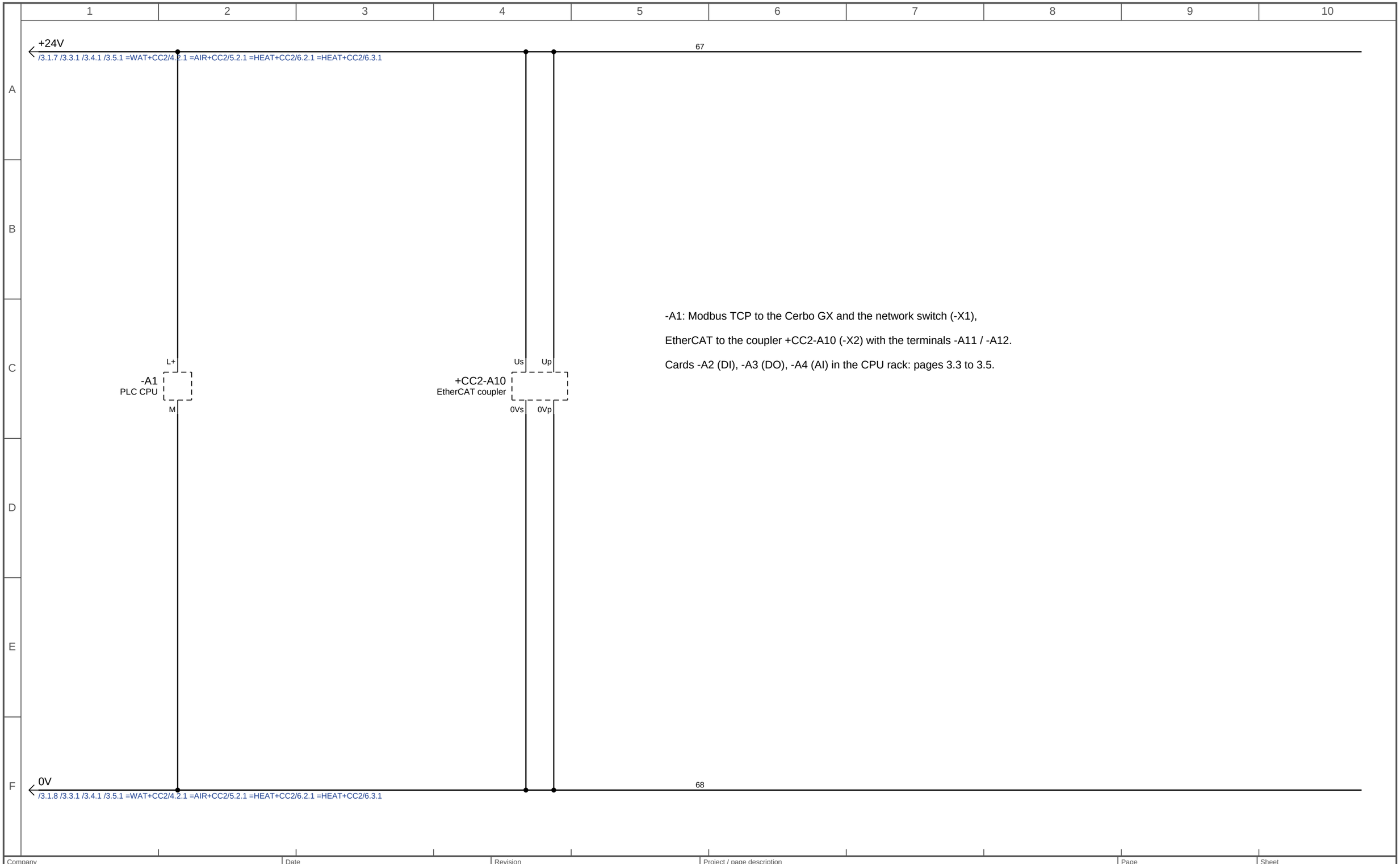


Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=MD+MD/2.2.1	6 / 45
	Creator	Software	Feeder pumps, metering and surge protection	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services



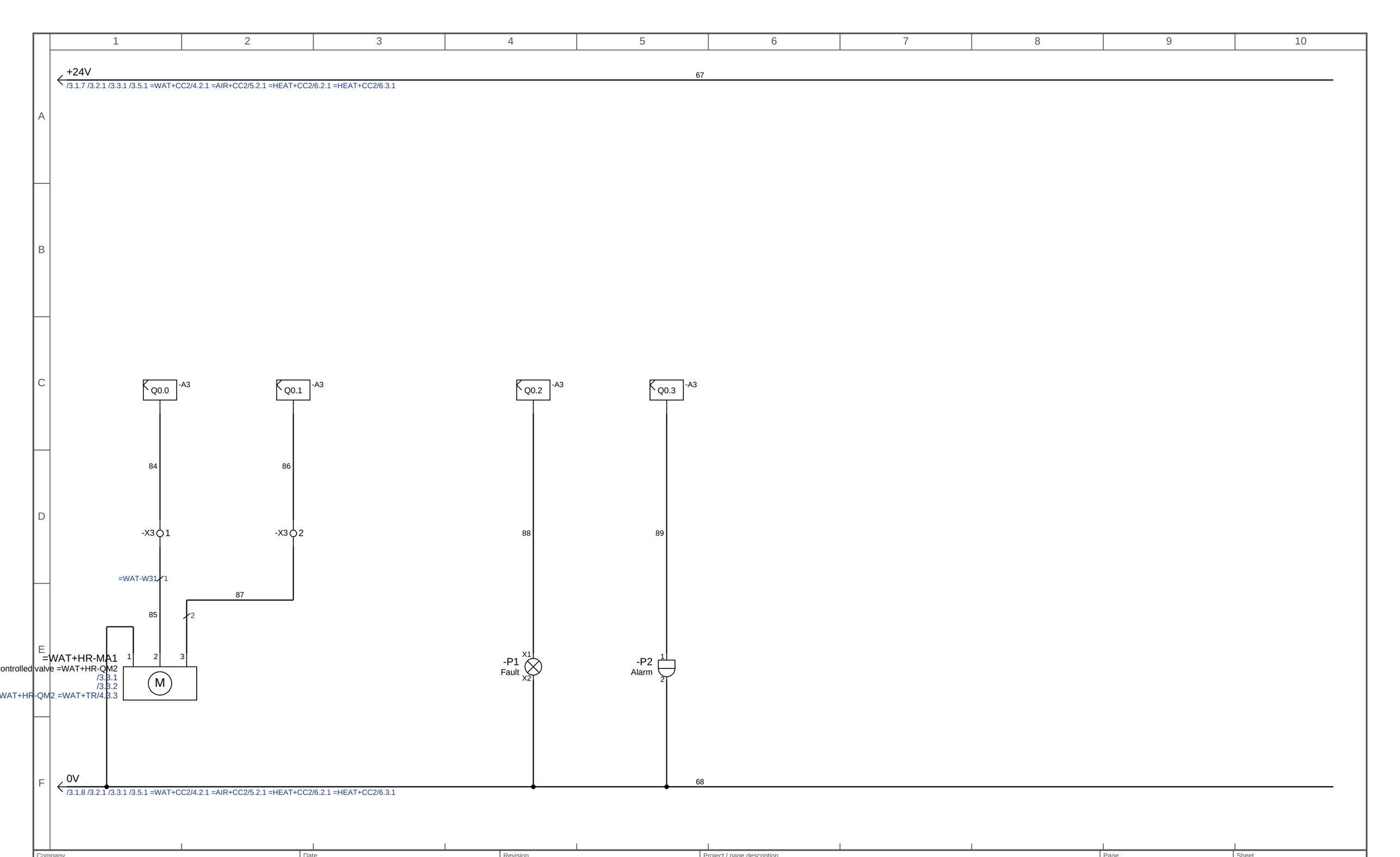
Control voltage from the backup output of the battery storage

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=CTL+CC1/3.1	7 / 45
	Creator: OpenECraft	Software: OpenECraft	Supply automation cabinet	Type: Schematic	Project: Building services

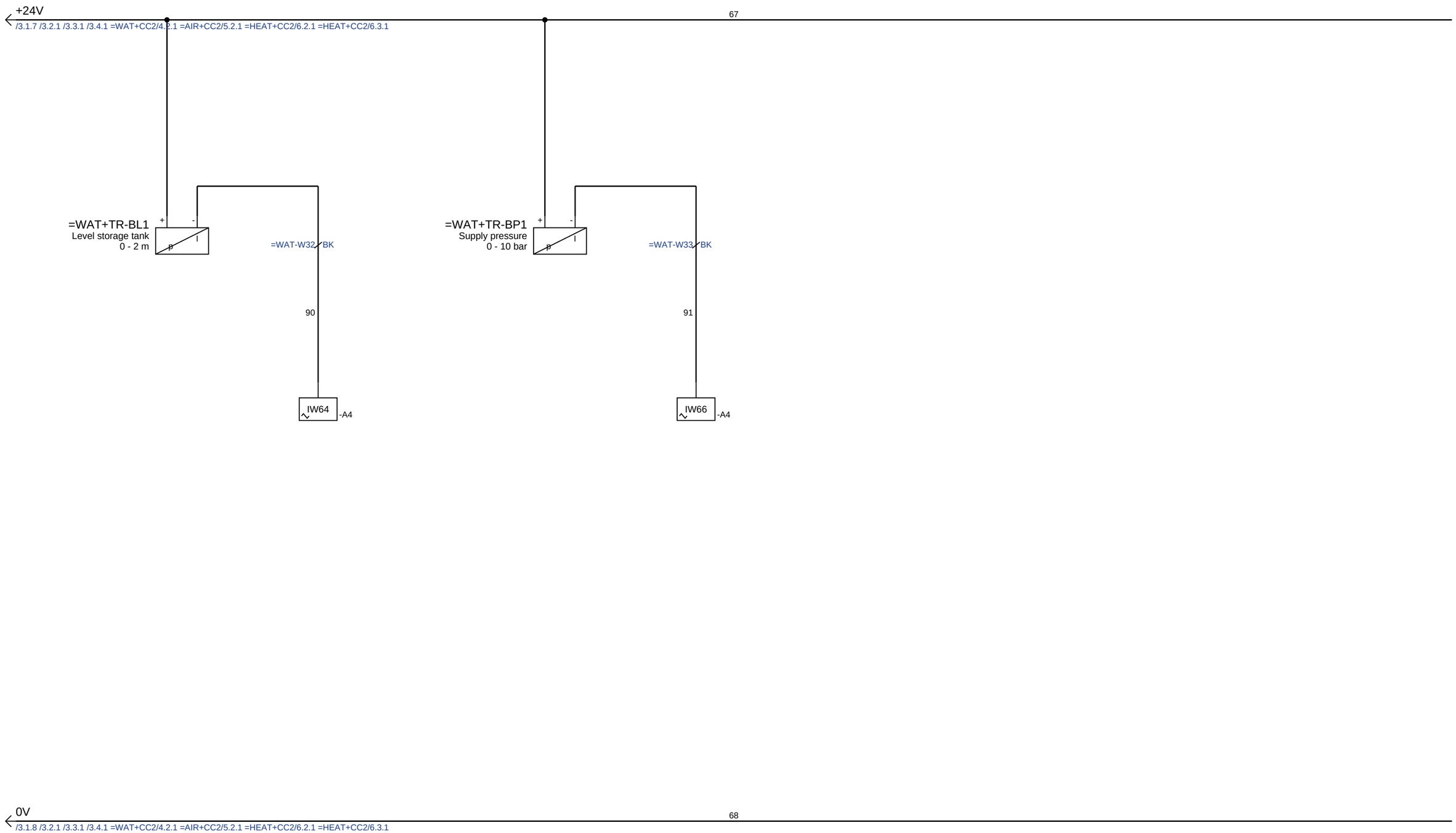


Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=CTL+CC1/3.2	8 / 45
	Creator	Software	PLC CPU and EtherCAT coupler	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

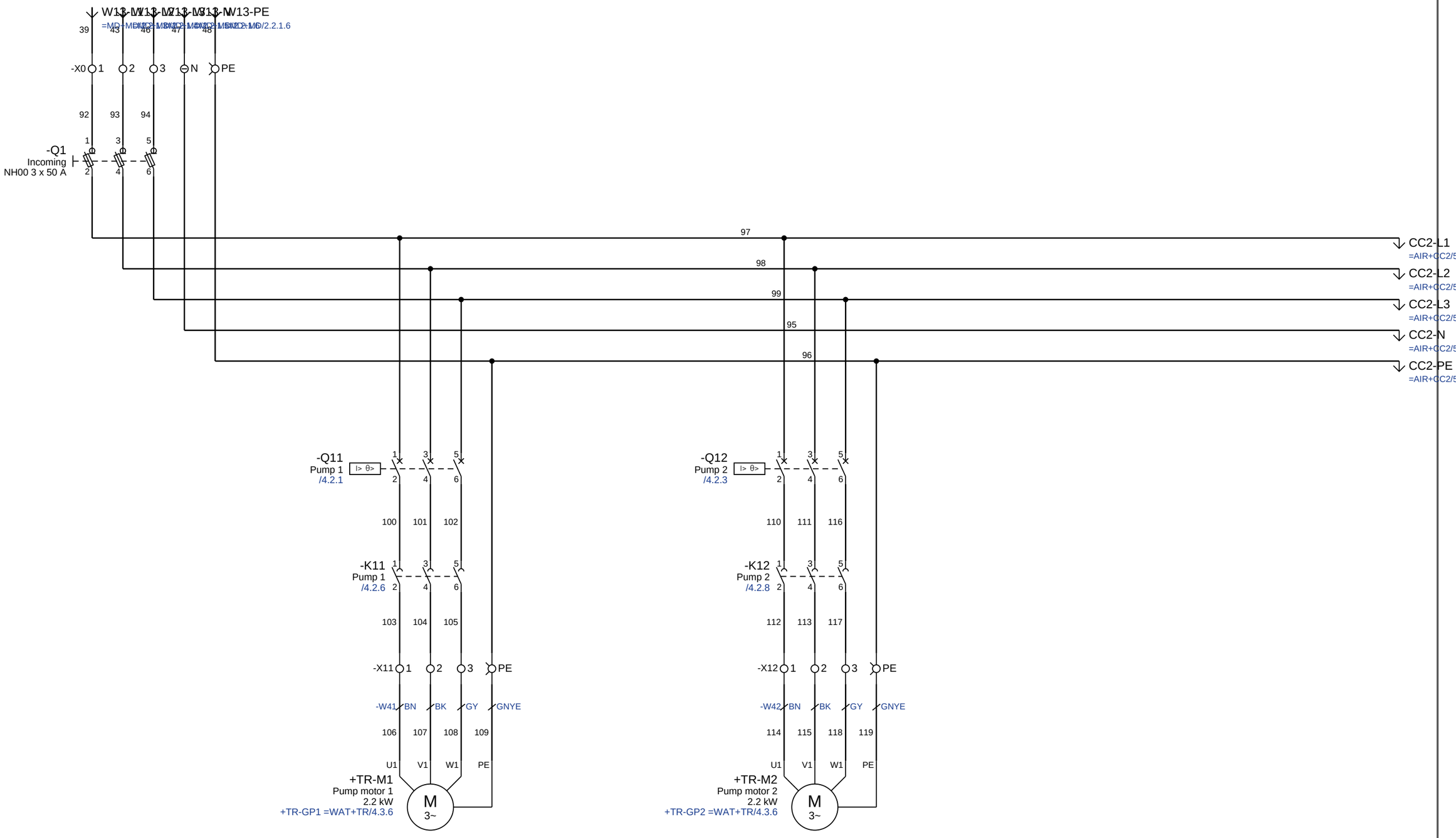
Company: OpenECraft	Date: 2026-10-29	Revision: A	Project / page description: Building services	Page: =CTL+CC1/3.3	Sheet: 9 / 45
	Creator: OpenECraft	Software: OpenECraft	PLC digital inputs	Type: Schematic	Project: Building services



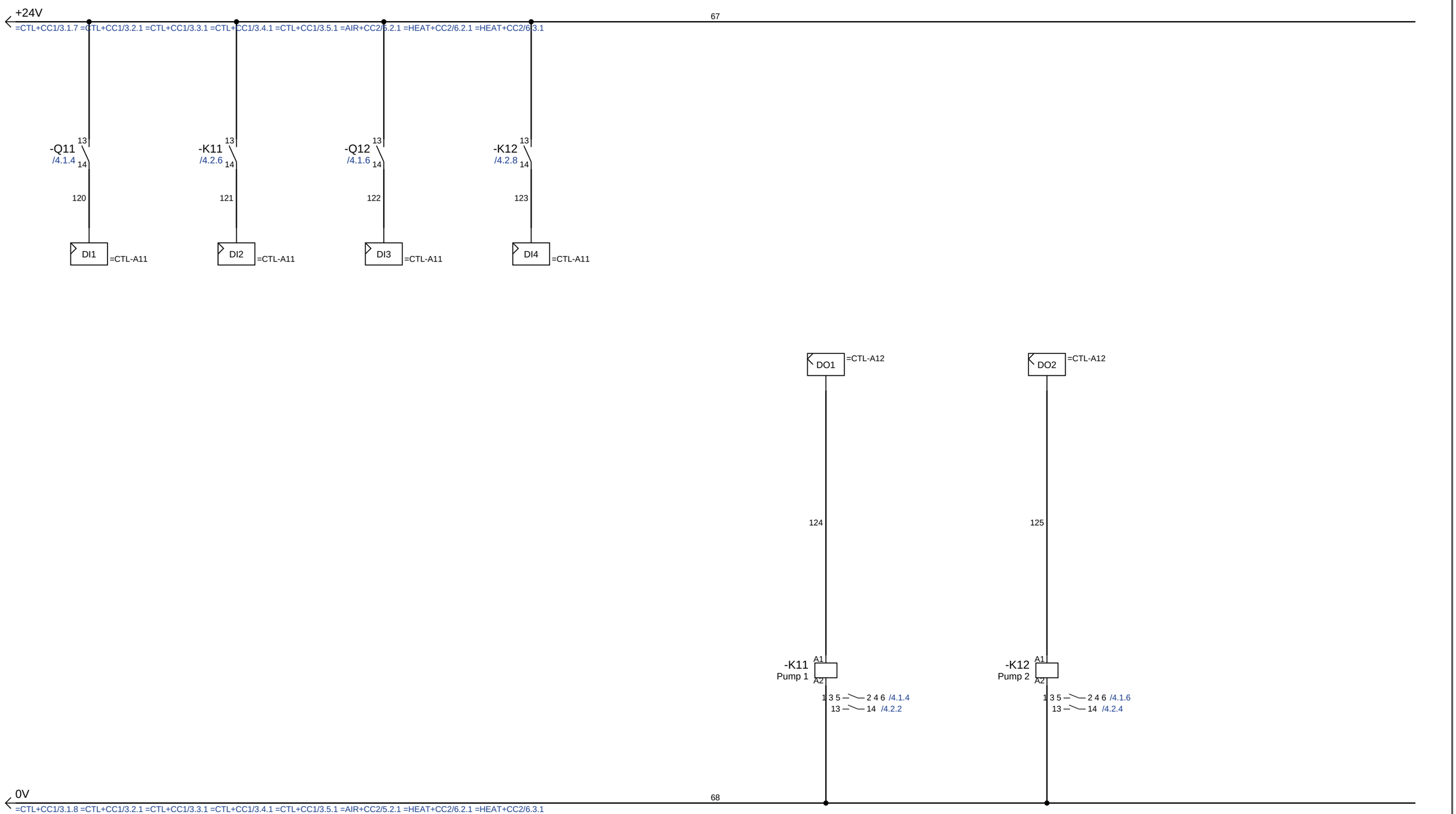
Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=CTL+CC1/3.4	10 / 45
	Creator	Software	PLC digital outputs	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services



Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=CTL+CC1/3.5	11 / 45
	Creator	Software	PLC analog inputs	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services



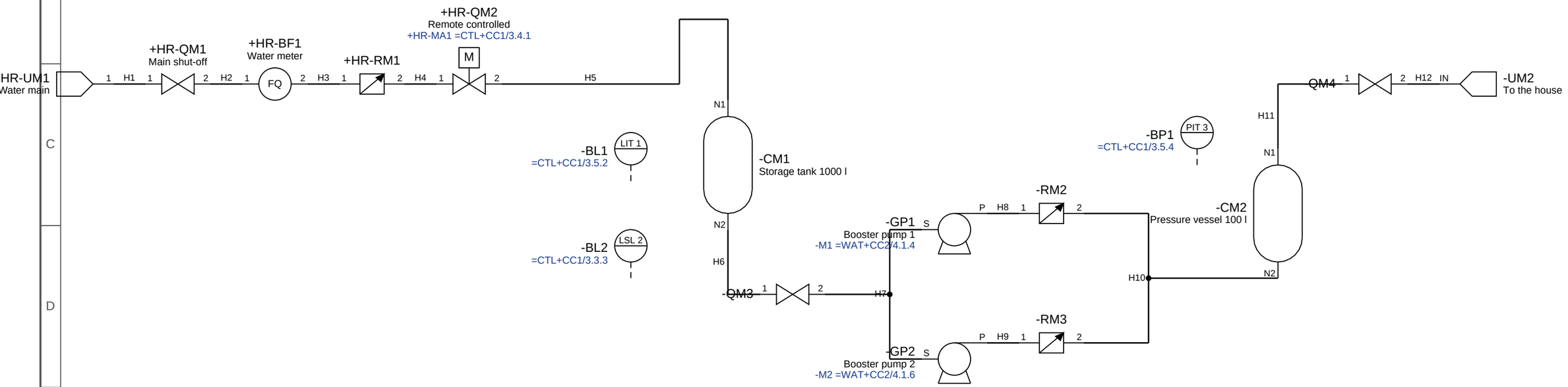
Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=WAT+CC2/4.1	12 / 45
	Creator	Software	Power pumps	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services



Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=WAT+CC2/4.2	13 / 45
	Creator	Software	Control pumps	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

House connection room +HR

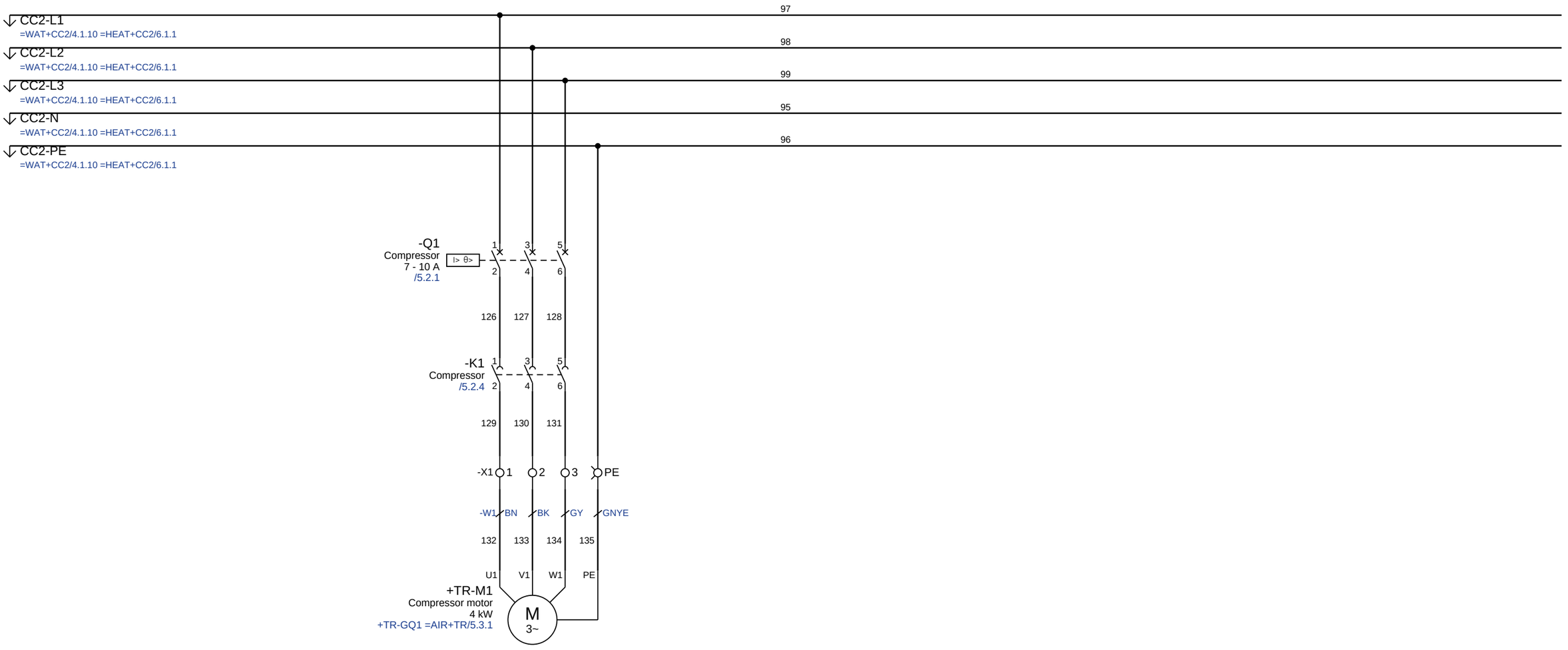
Technical room +TR



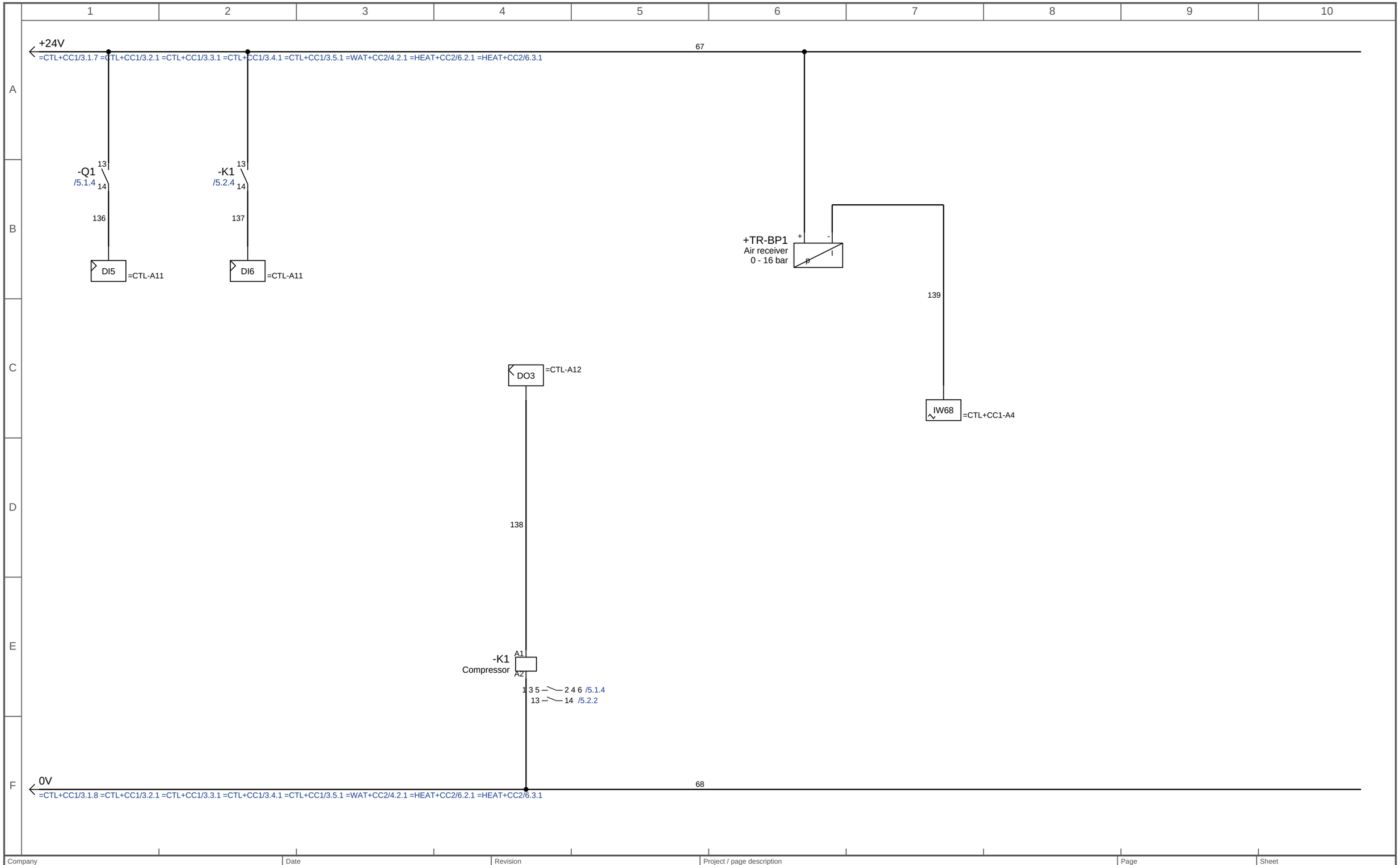
The pumps -GP1 / -GP2 are driven by the motors -M1 / -M2 (4.1), the motor valve -QM2 by the actuator -MA1 (3.4);

level -BL1, dry-run protection -BL2 and pressure -BP1 go to the PLC (3.3, 3.5). Pipes DN32, drinking water.

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=WAT+TR/4.3	14 / 45
	Creator	Software	Water supply P&ID	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

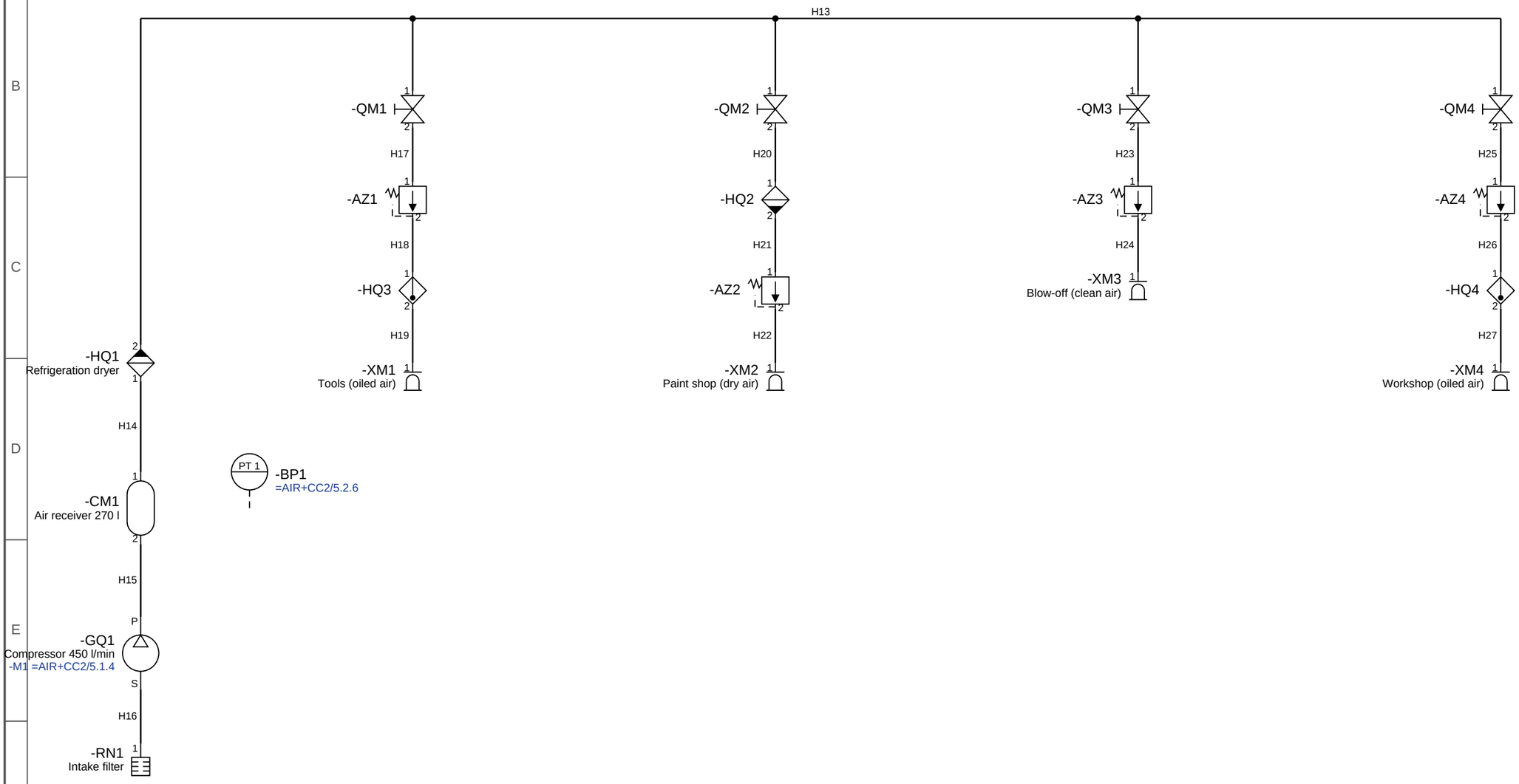


Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=AIR+CC2/5.1	15 / 45
	Creator	Software	Power compressor	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

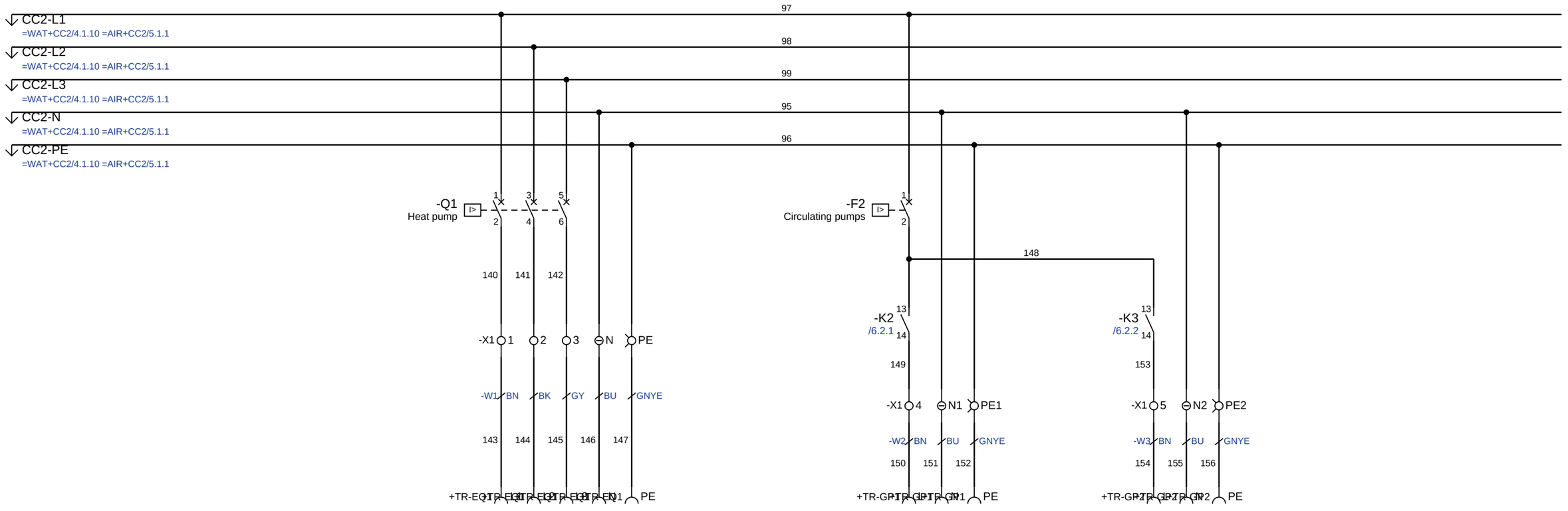


Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=AIR+CC2/5.2	16 / 45
	Creator	Software	Control compressor	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

Compressed air 10 bar: outlets with lubricator (oiled air), membrane dryer (dry air) and filter regulator



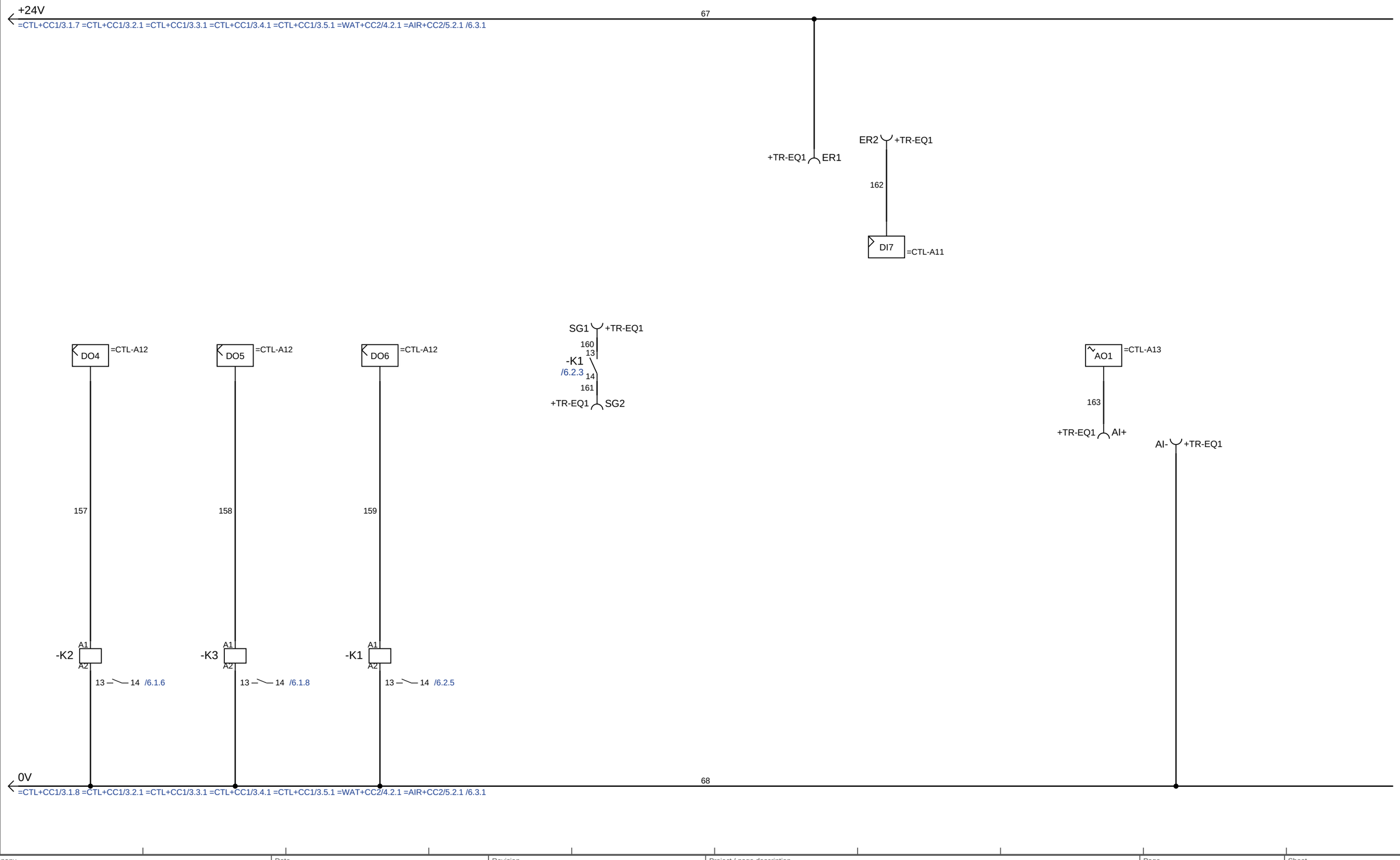
Company: OpenECraft	Date: 2026-10-29	Revision: A	Project / page description: Building services	Page: =AIR+TR/5.3	Sheet: 17 / 45
	Creator: OpenECraft	Software: OpenECraft	Compressed air P&ID	Type: Schematic	Project: Building services



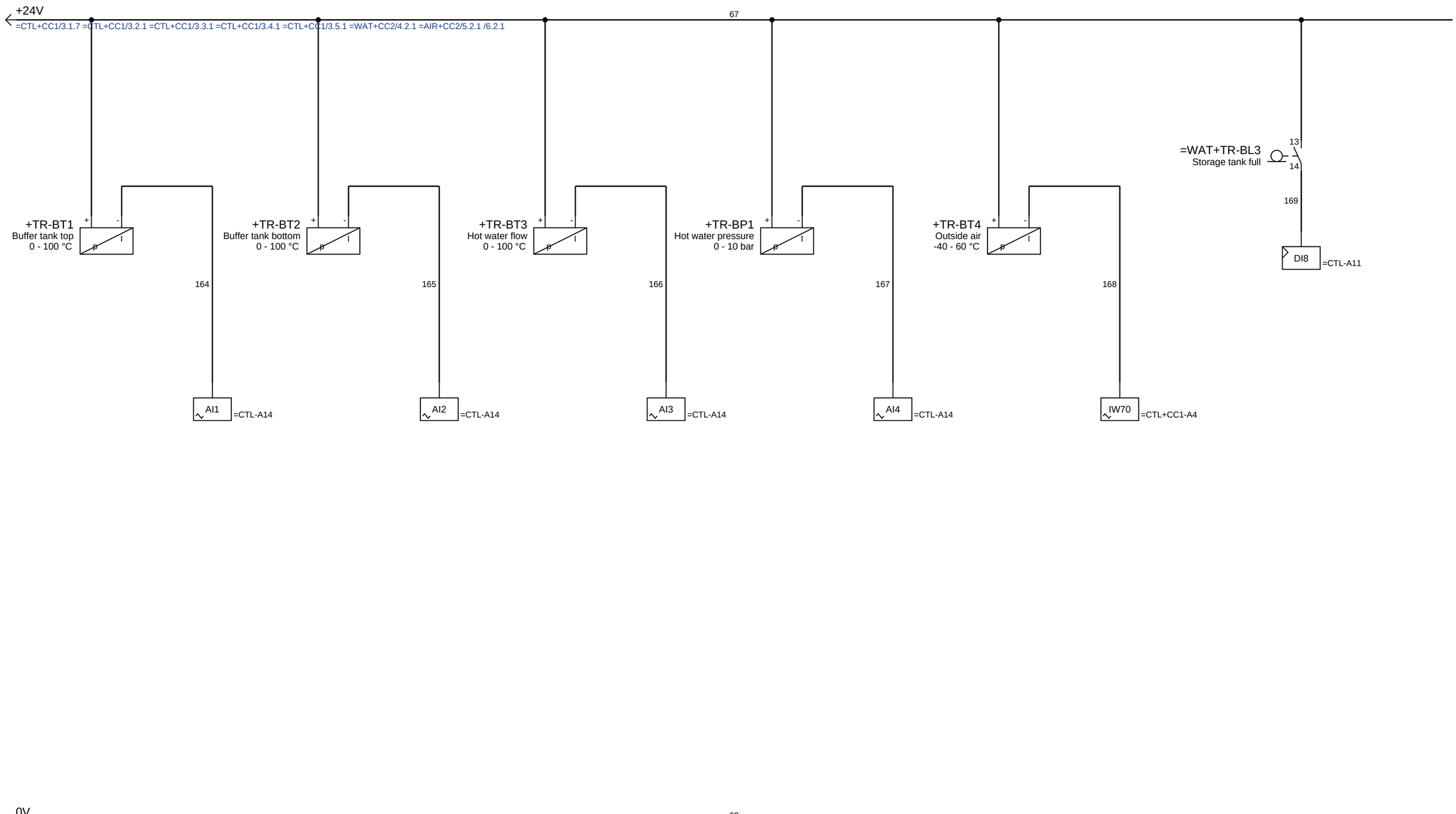
Heat pump =HEAT+TR-EQ1

Circulating pumps -GP1 (heat pump) and -GP2 (hot water circulation)

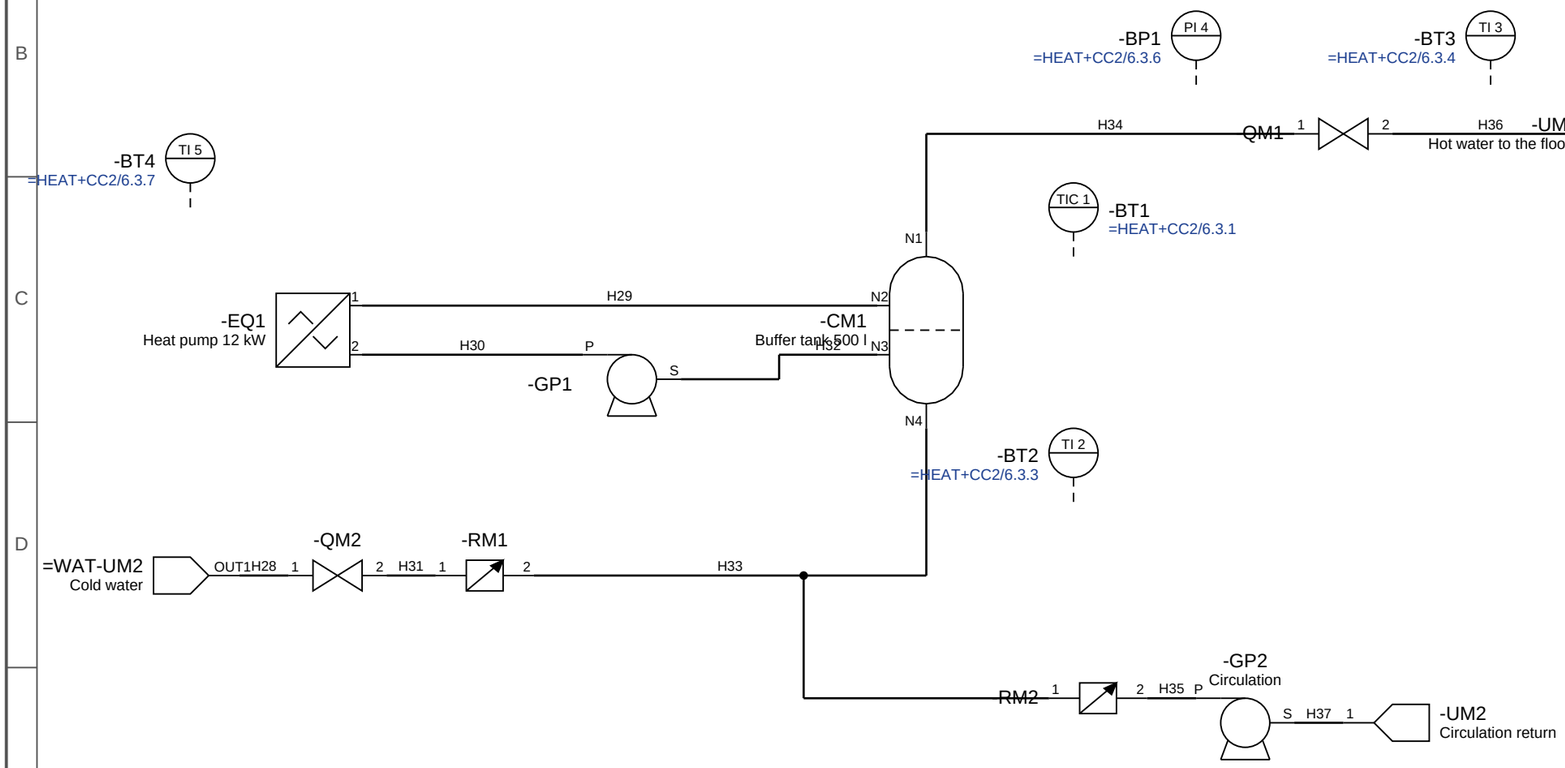
Company: OpenECraft	Date: 2026-10-29	Revision: A	Project / page description: Building services	Page: =HEAT+CC2/6.1	Sheet: 18 / 45
	Creator: OpenECraft	Software: OpenECraft	Power heat pump and circulating pumps	Type: Schematic	Project: Building services



Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=HEAT+CC2/6.2	19 / 45
	Creator	Software	Control heat pump	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

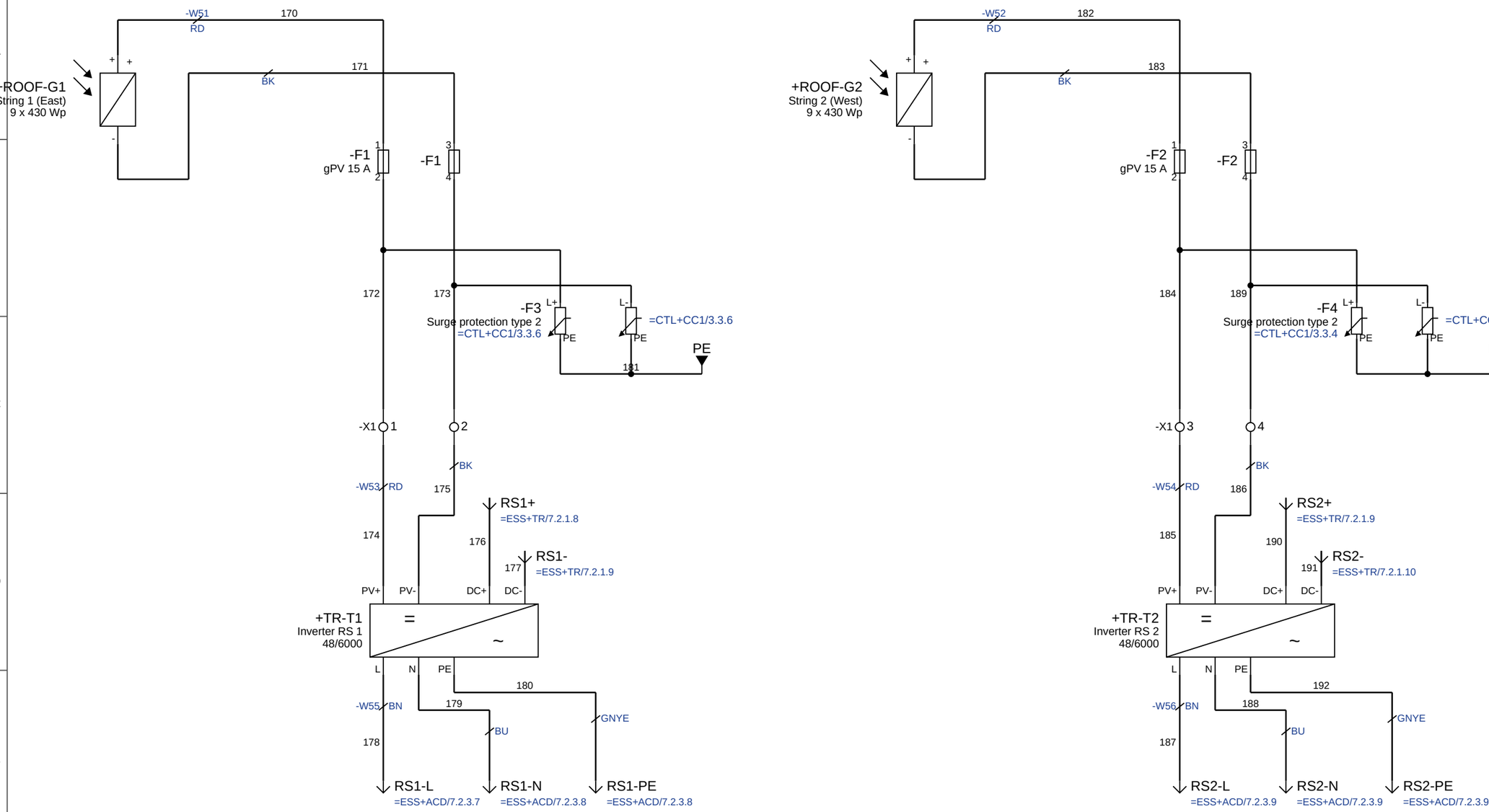


Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=HEAT+CC2/6.3	20 / 45
	Creator	Software	Measurements heating and hot water	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services



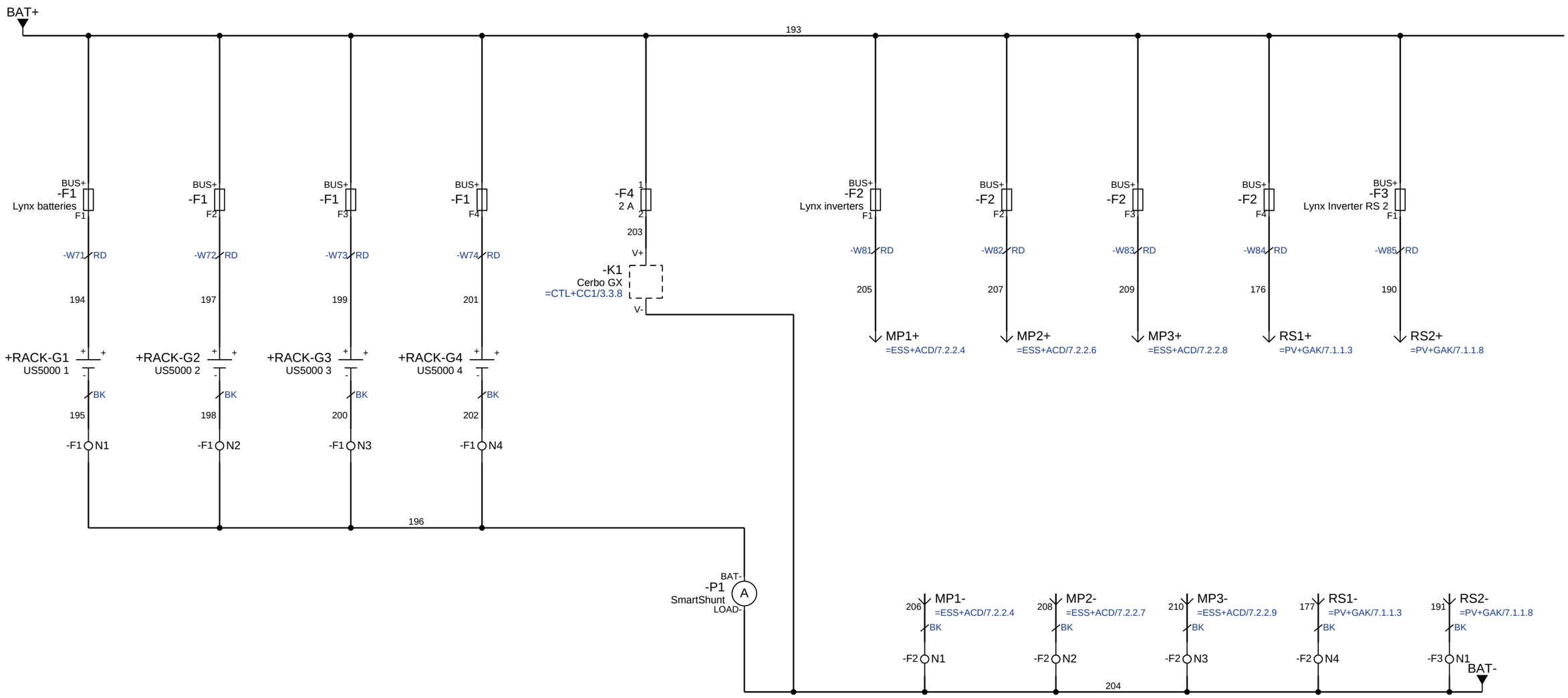
Heating water DN25 between heat pump and buffer tank; hot water DN32 to the floors with circulation; the PLC enables the heat pump (-K1), sets its flow temperature (0 - 10 V) and switches the circulating pumps (6.1 - 6.3).

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=HEAT+TR/6.4	21 / 45
	Creator	Software	Heating and hot water P&ID	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services



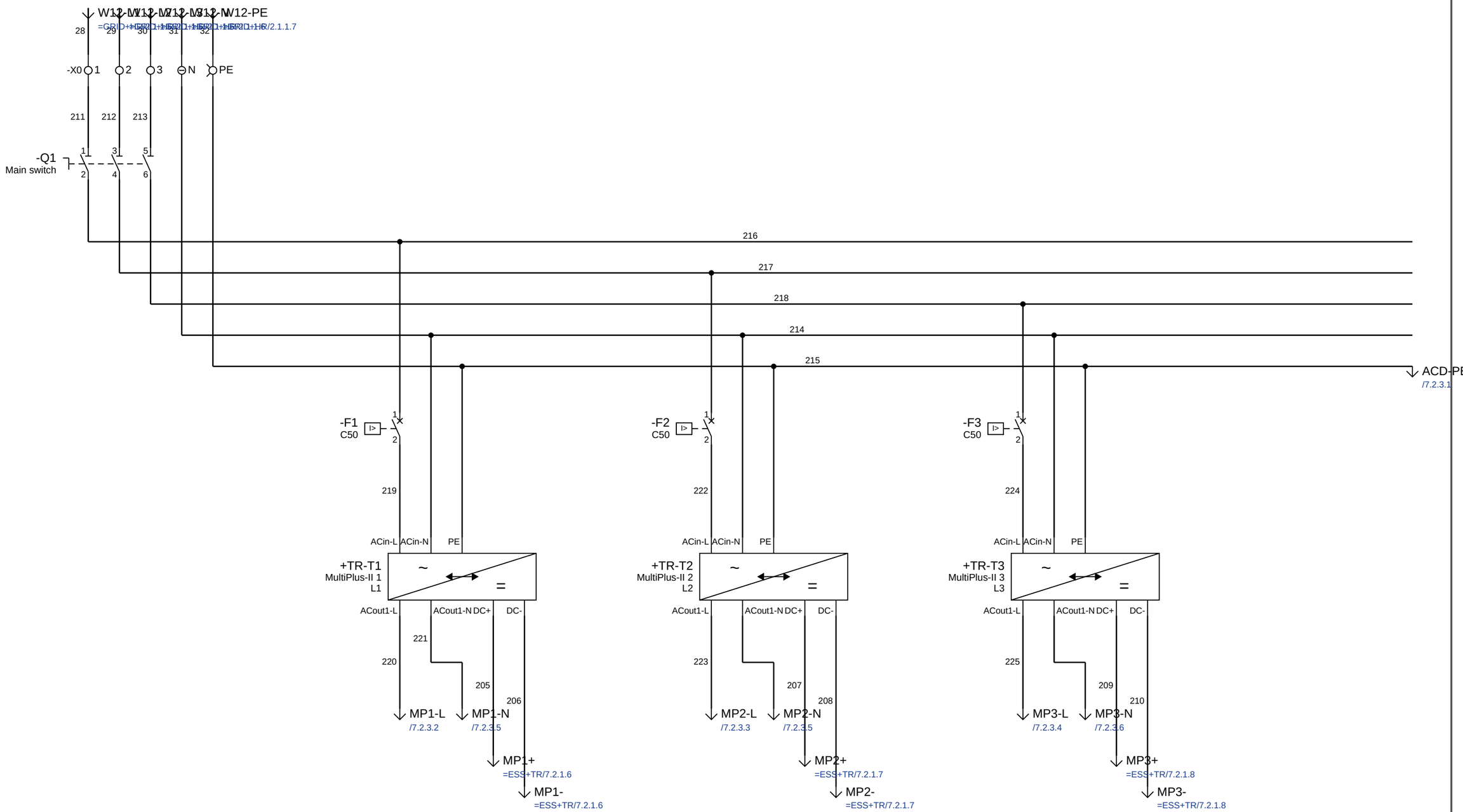
PV strings on the roof +ROOF, generator junction box +GAK and Inverter RS on the wall of +TR

Company: OpenECraft	Date: 2026-10-29	Revision: A	Project / page description: Building services	Page: =PV+GAK/7.1.1	Sheet: 22 / 45
	Creator: OpenECraft	Software: OpenECraft	PV generators, generator junction box, Inverter RS	Type: Schematic	Project: Building services

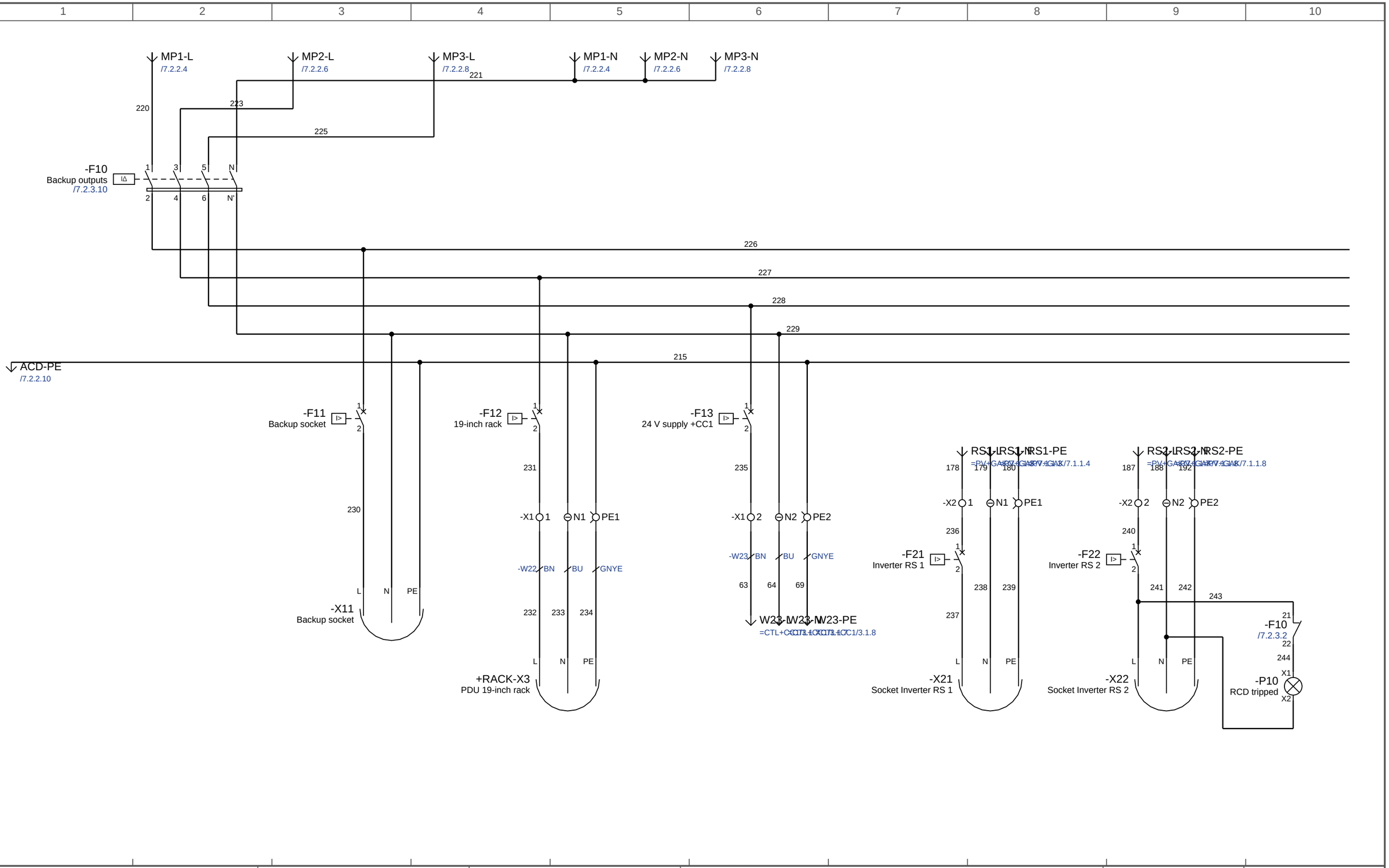


Battery bank 4 x 4.8 kWh on Lynx distributor -F1 (minus on its negative busbar N1 - N4); SmartShunt -P1 in the negative of the batteries

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=ESS+TR/7.2.1	23 / 45
	Creator: OpenECraft	Software: OpenECraft	Battery storage DC	Type: Schematic	Project: Building services

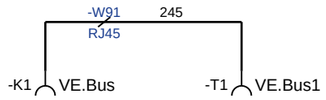


Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=ESS+ACD/7.2.2	24 / 45
	Creator	Software	Inverter / chargers AC input	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

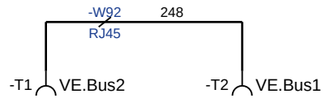


Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	=ESS+ACD/7.2.3	25 / 45
	Creator	Software	Backup distribution	Type	Project
	OpenECraft	OpenECraft		Schematic	Building services

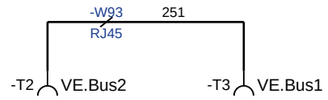
VE.Bus



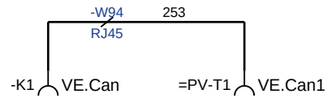
VE.Bus



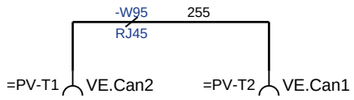
VE.Bus



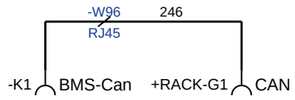
VE.Can



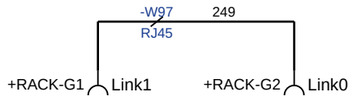
VE.Can



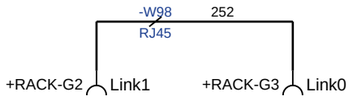
BMS-Can



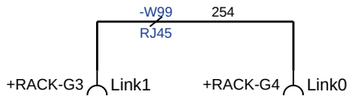
Battery link



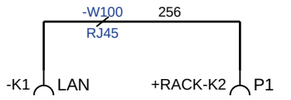
Battery link



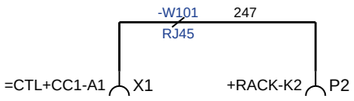
Battery link



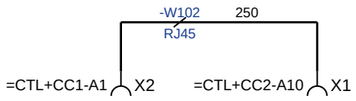
Ethernet



Modbus TCP



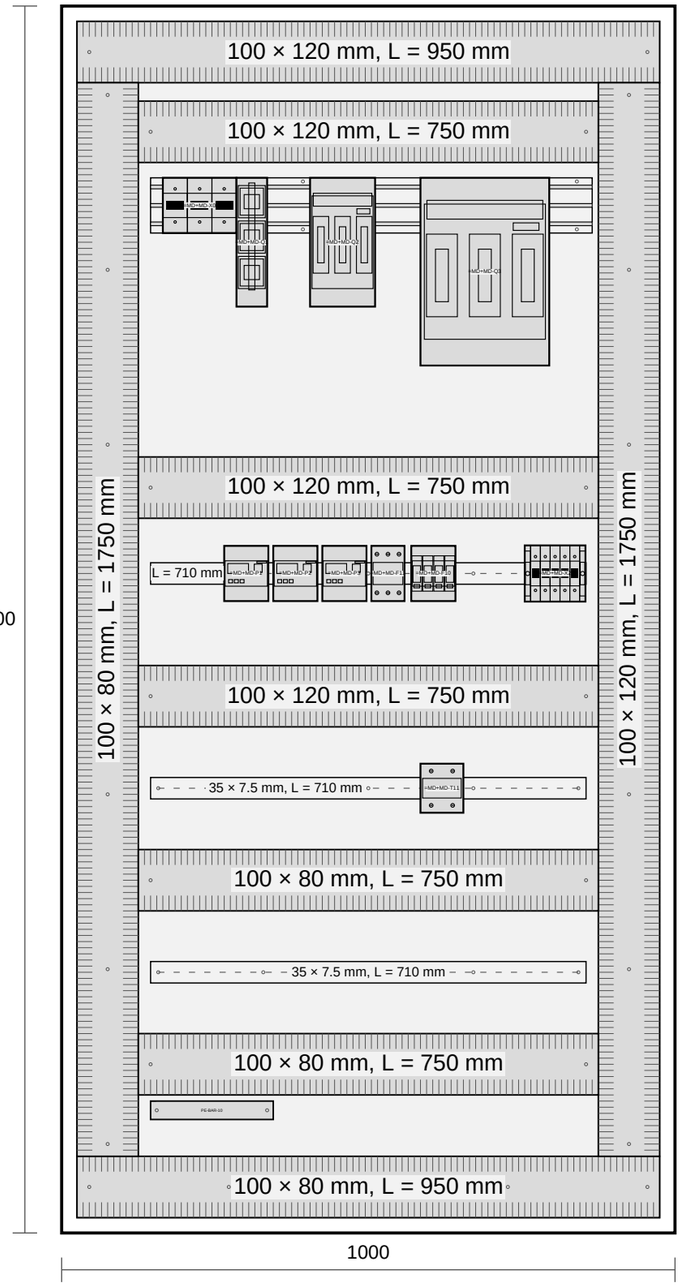
EtherCAT



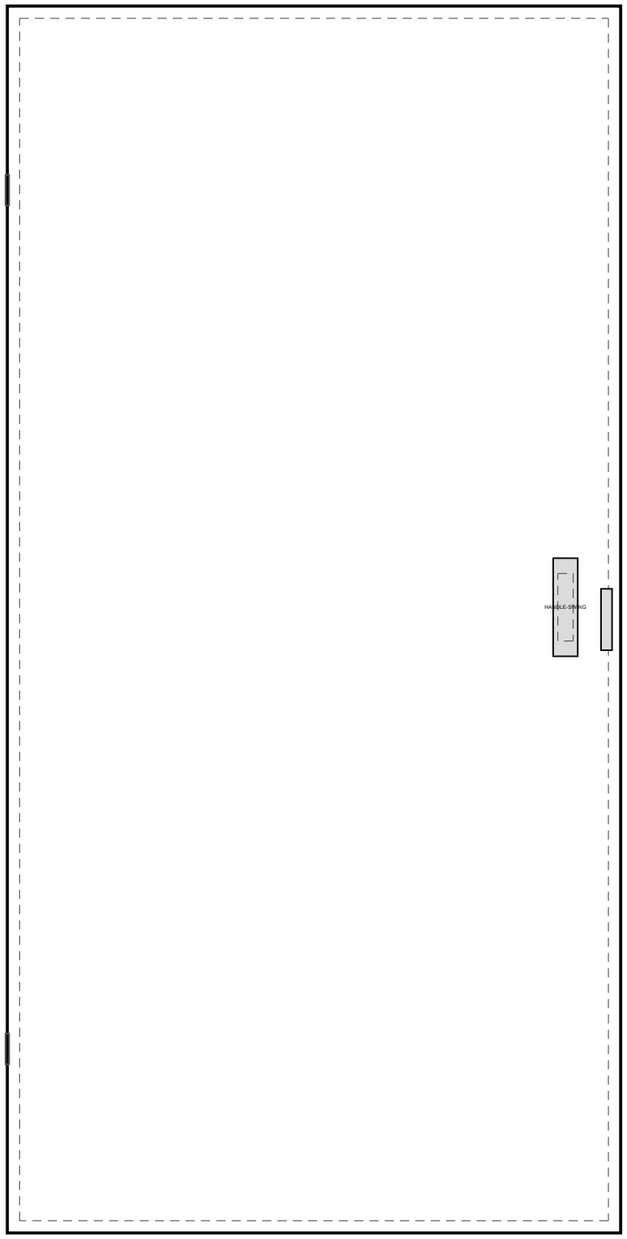
Cerbo GX -K1: VE.Bus to the MultiPlus-II, VE.Can to the Inverter RS, BMS-Can to the batteries, LAN to the network switch

Company: OpenECraft	Date: 2026-10-29	Revision: A	Project / page description: Building services	Page: =ESS+TR/7.2.4	Sheet: 26 / 45
	Creator: OpenECraft	Software: OpenECraft	Communication	Type: Schematic	Project: Building services

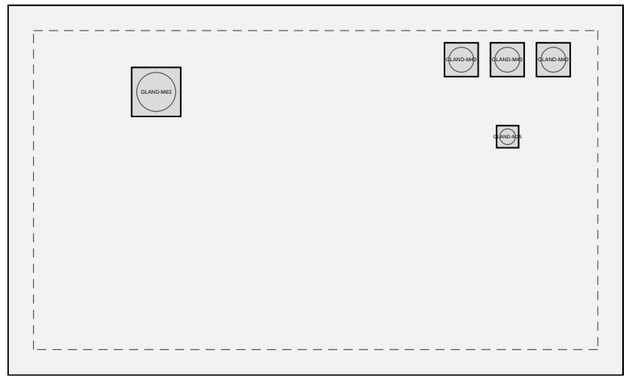
Mounting plate



Door (front view)



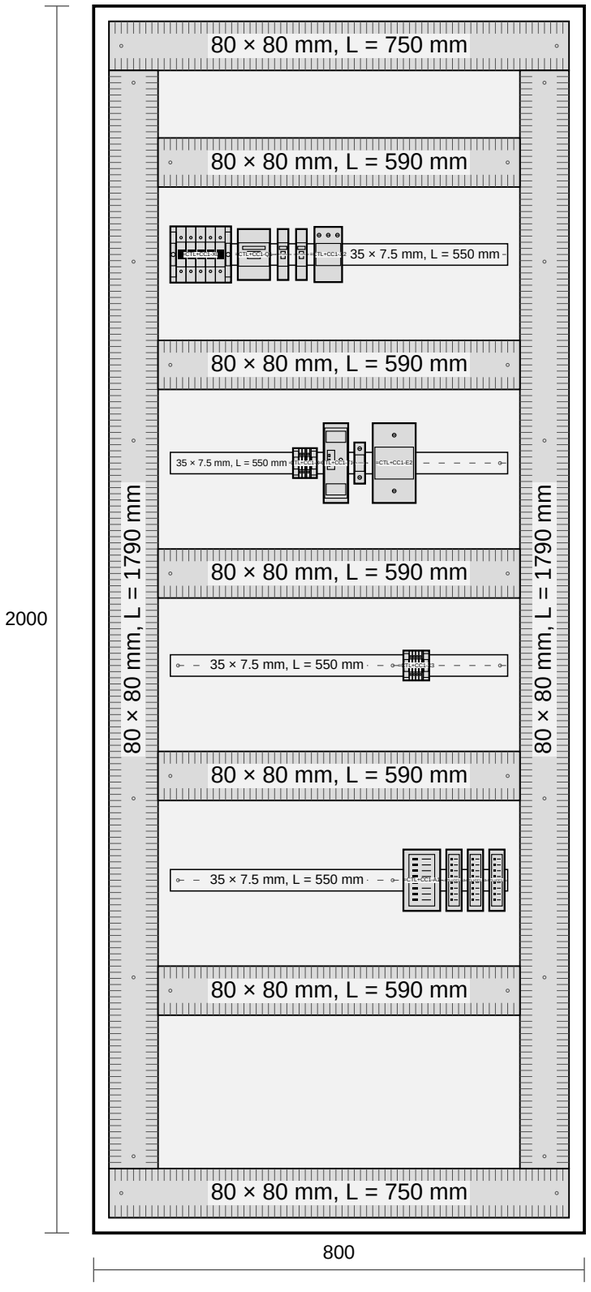
Roof



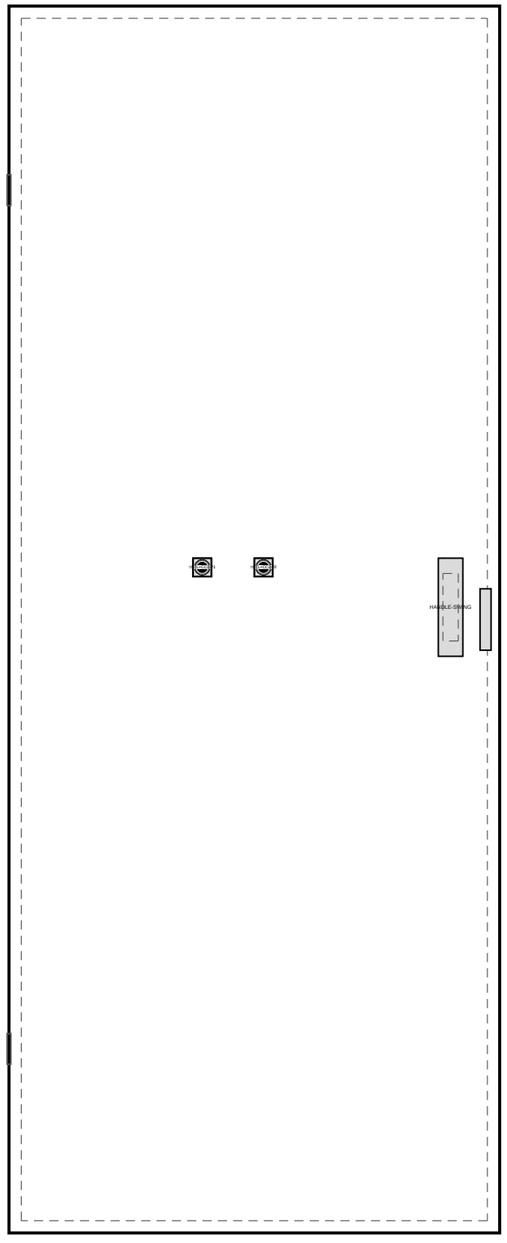
+MD GEN.TS-1000X2000X600 - 1000 x 2000 x 600 mm - Scale 1:10

Company OpenECraft	Date 2026-10-29	Revision A	Project / page description Building services	Page 8.1	Sheet 27 / 45
	Creator OpenECraft	Software OpenECraft	Mounting layout +MD	Type Mounting	Project Building services

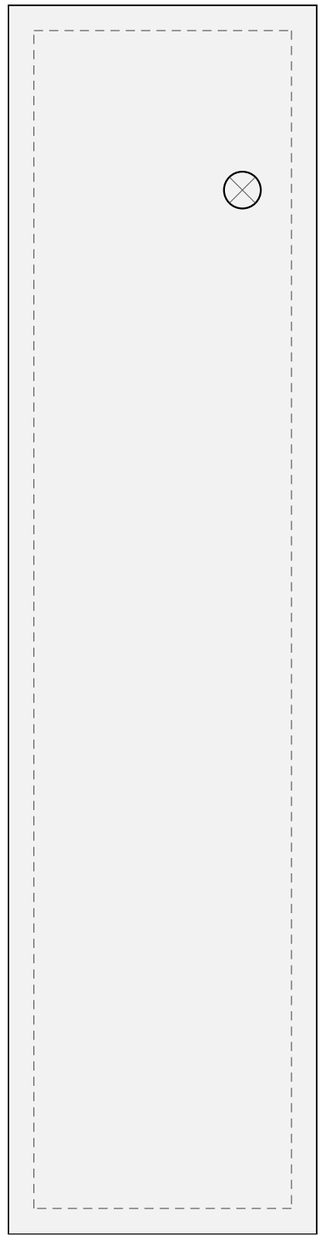
Mounting plate



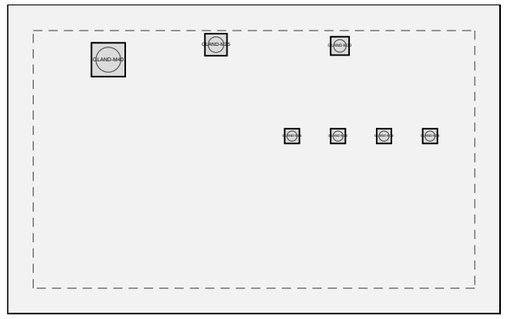
Door (front view)



Right side



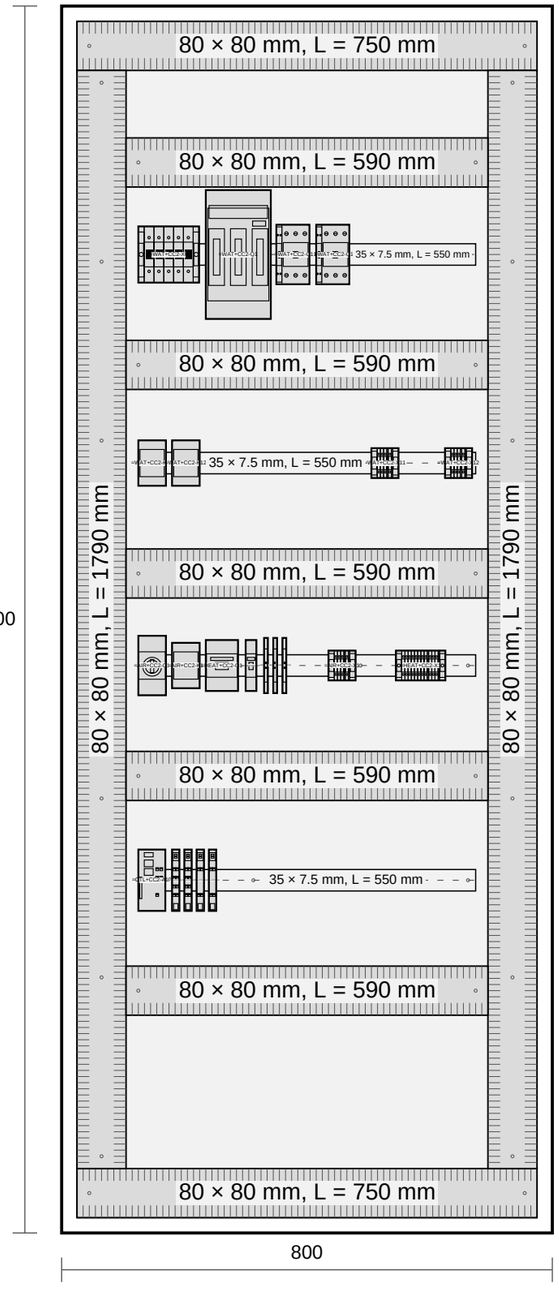
Roof



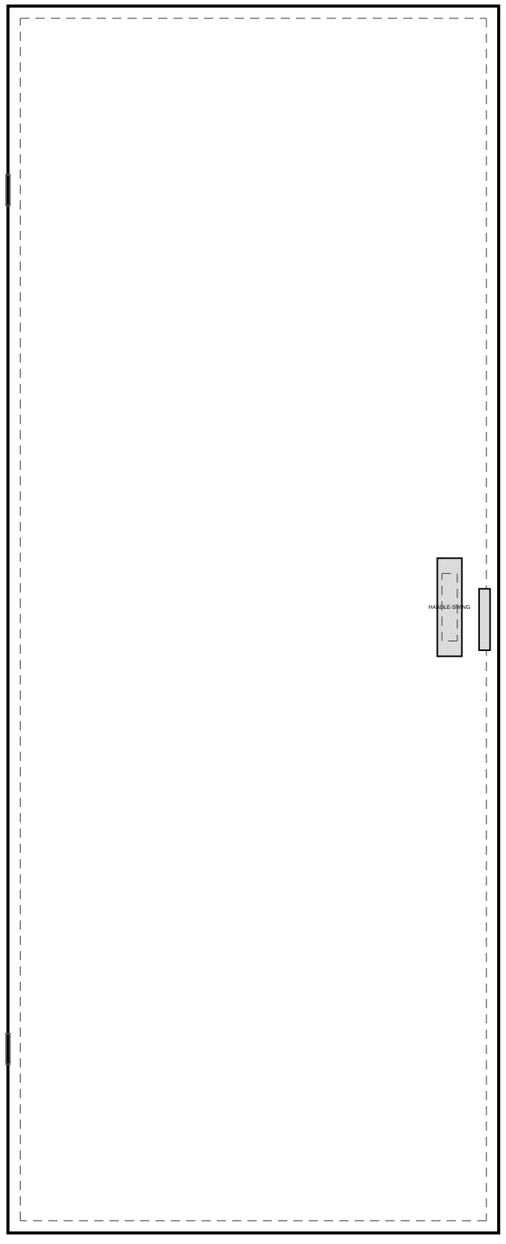
+CC1 GEN.TS-800X2000X500 - 800 x 2000 x 500 mm - Scale 1:10

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	8.2	28 / 45
	Creator	Software	Mounting layout +CC1	Type	Project
	OpenECraft	OpenECraft		Mounting	Building services

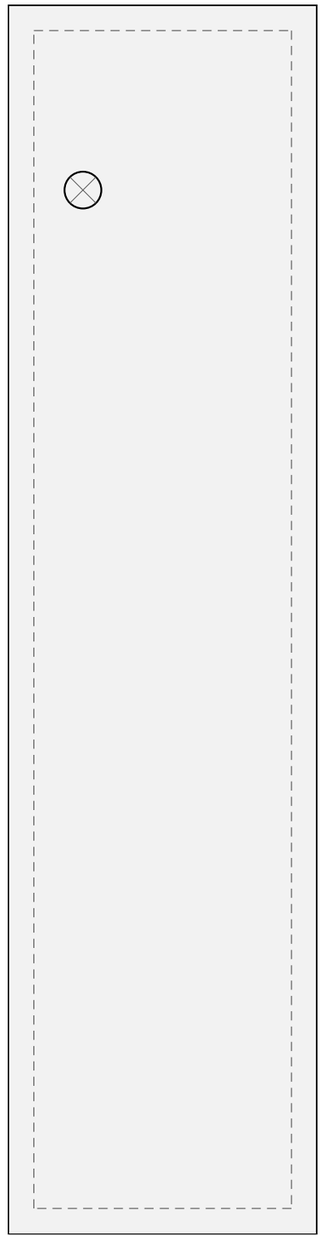
Mounting plate



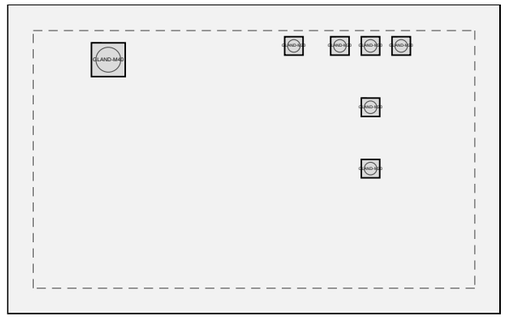
Door (front view)



Left side



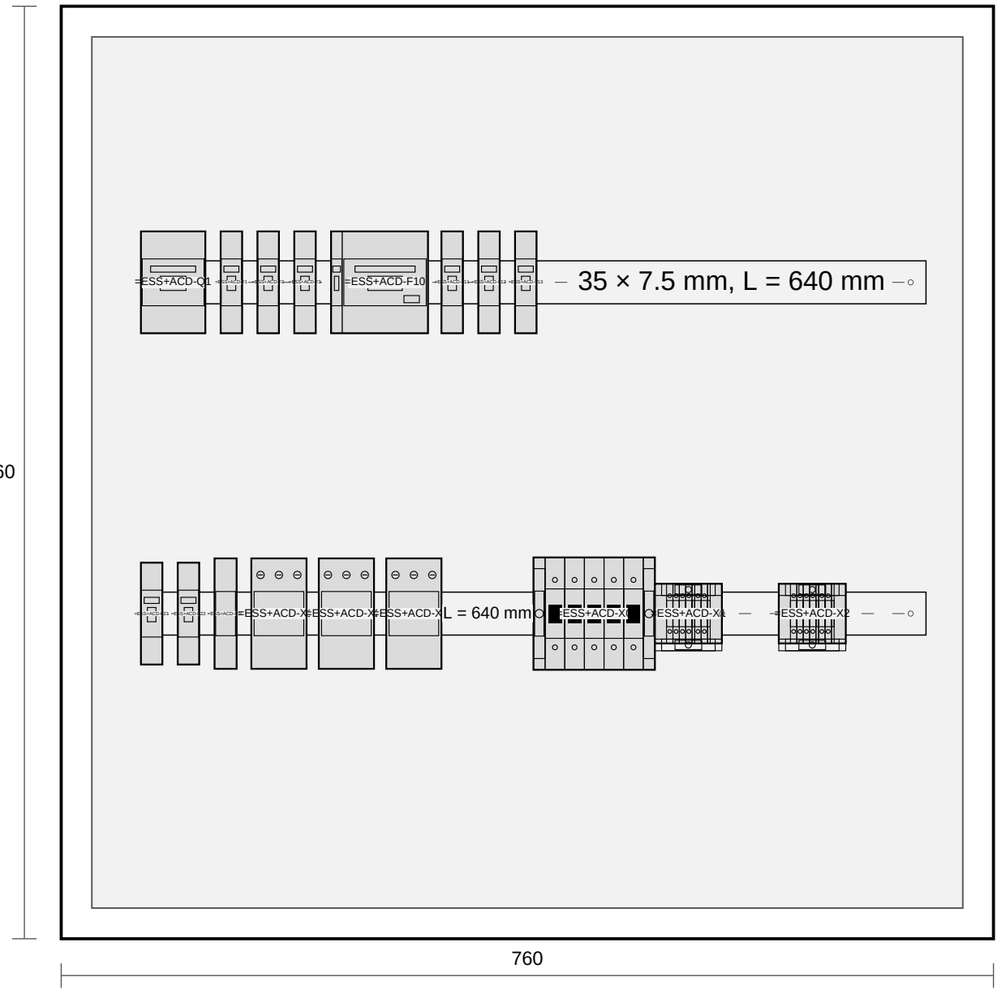
Roof



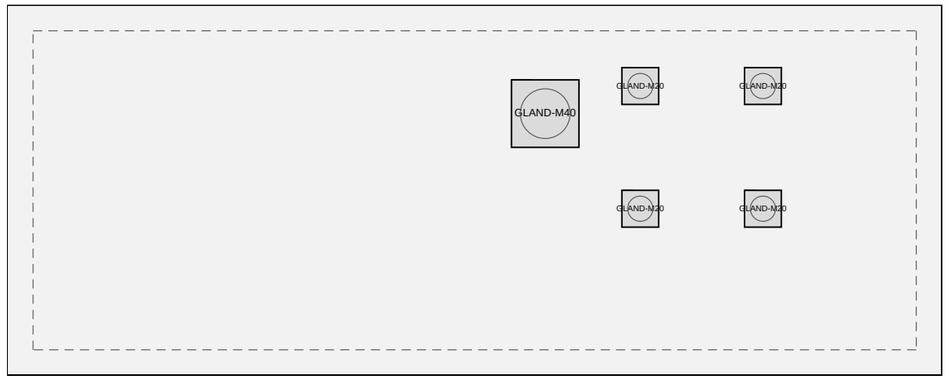
+CC2 GEN.TS-800X2000X500 - 800 x 2000 x 500 mm - Scale 1:10

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	8.3	29 / 45
	Creator	Software	Mounting layout +CC2	Type	Project
	OpenECraft	OpenECraft		Mounting	Building services

Mounting plate



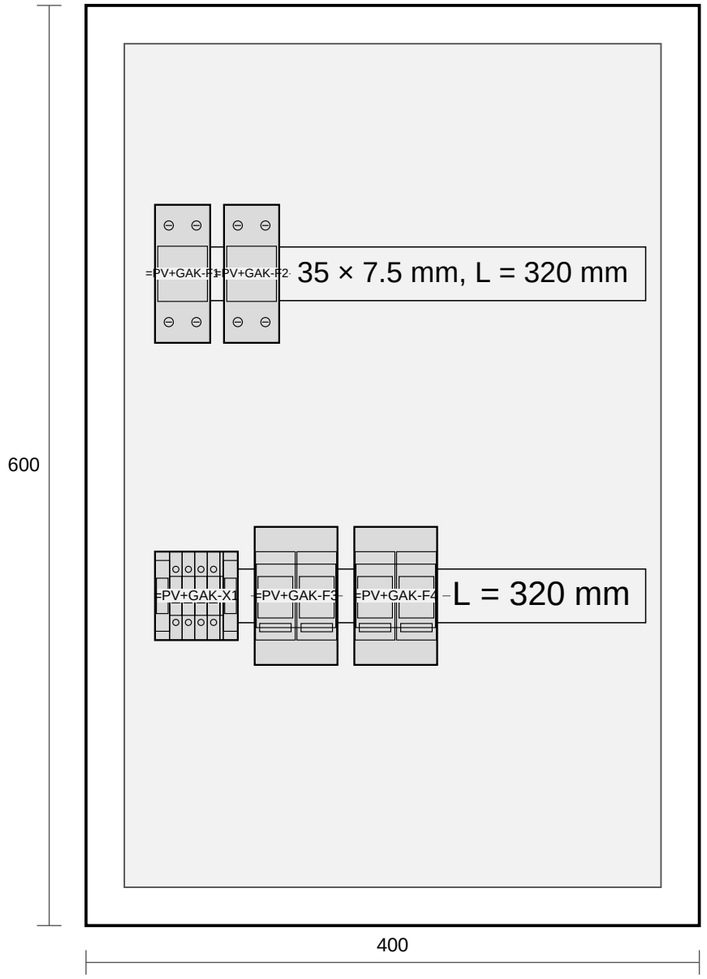
Roof



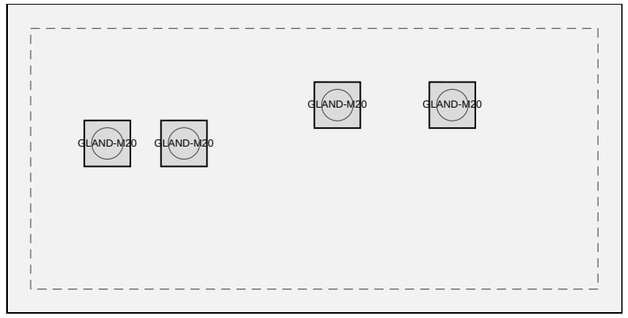
+ACD GEN.CE-760X760X300 - 760 x 760 x 300 mm - Scale 1:5

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	8.4	30 / 45
	Creator	Software	Mounting layout +ACD	Type	Project
	OpenECraft	OpenECraft		Mounting	Building services

Mounting plate



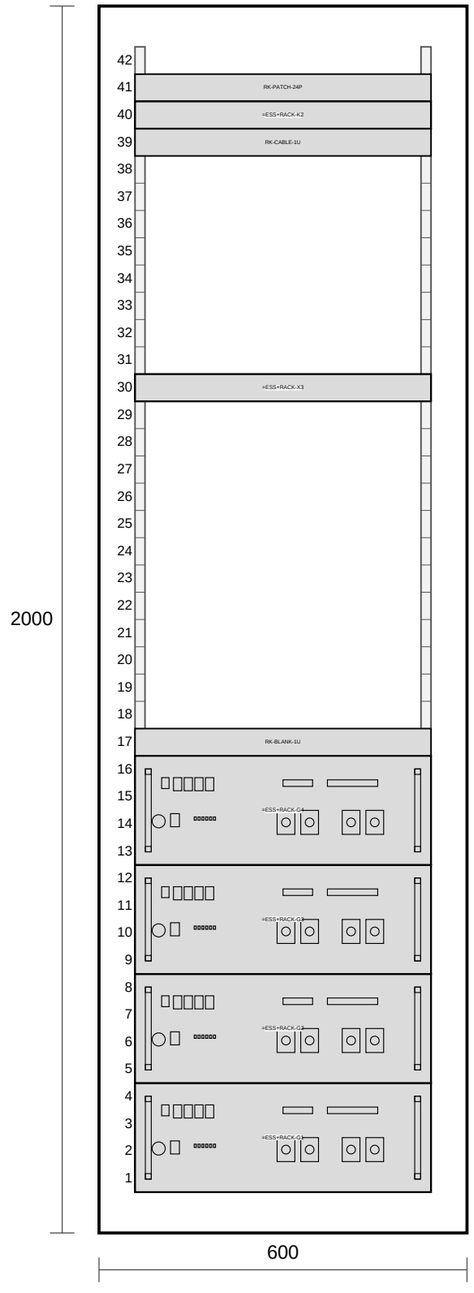
Roof



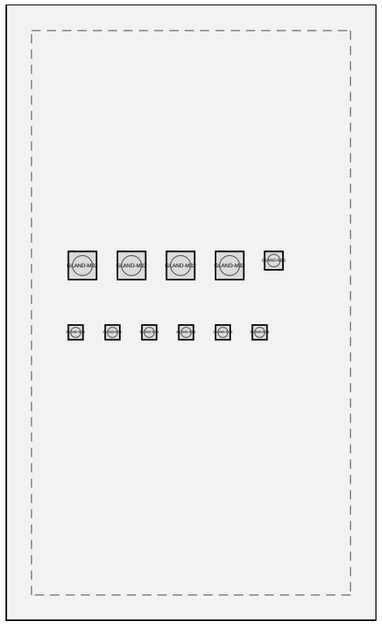
+GAK GEN.PC-400X600X200 - 400 x 600 x 200 mm - Scale 1:4

Company OpenECraft	Date 2026-10-29	Revision A	Project / page description Building services	Page 8.5	Sheet 31 / 45
	Creator OpenECraft	Software OpenECraft	Mounting layout +GAK	Type Mounting	Project Building services

Mounting plate



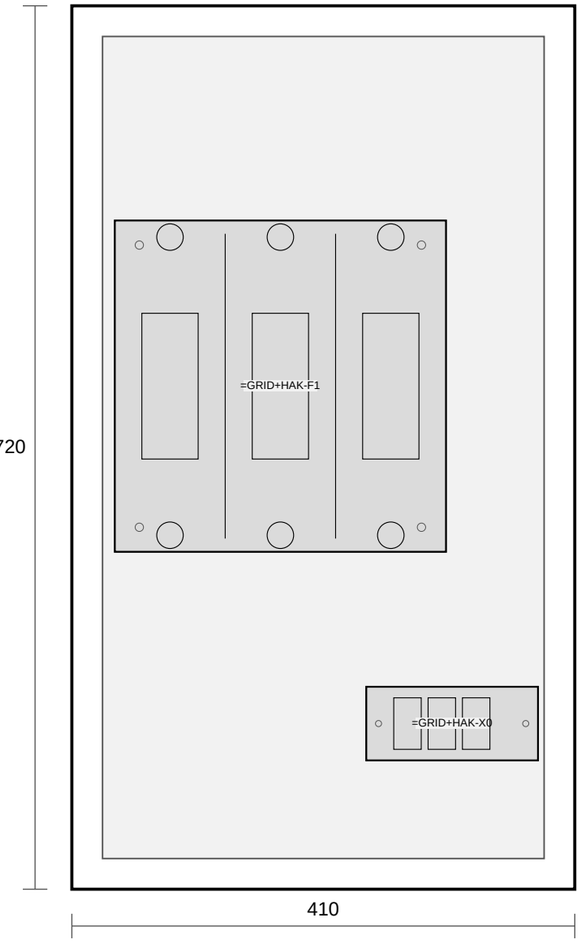
Roof



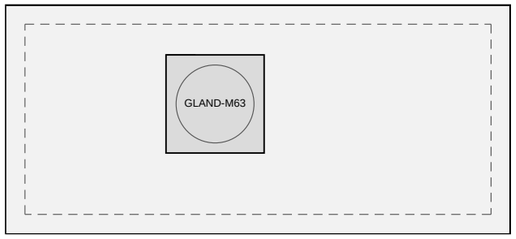
+RACK GEN.RK-600X2000X1000 - 600 x 2000 x 1000 mm - Scale 1:10

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	8.6	32 / 45
	Creator	Software	Mounting layout +RACK	Type	Project
	OpenECraft	OpenECraft		Mounting	Building services

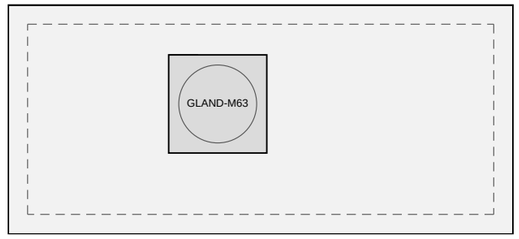
Mounting plate



Roof

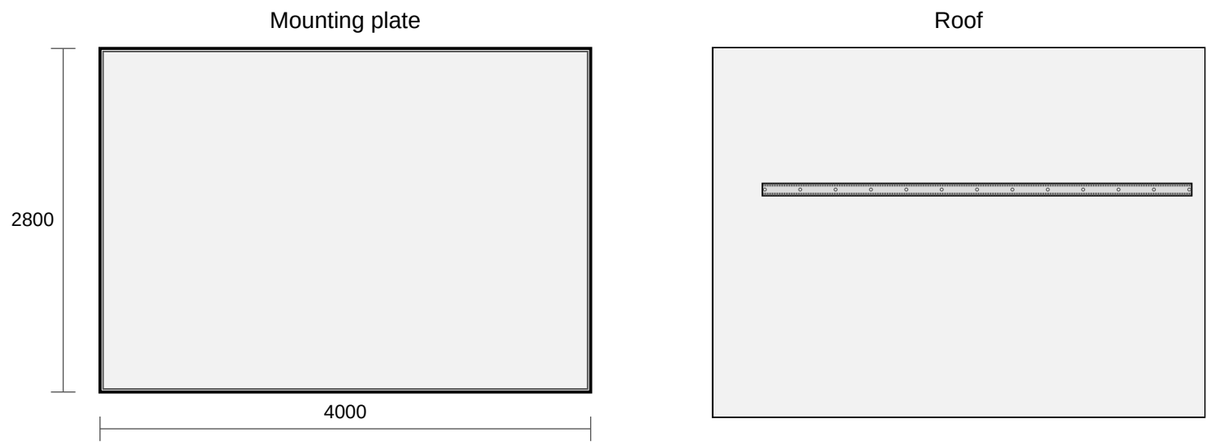


Bottom



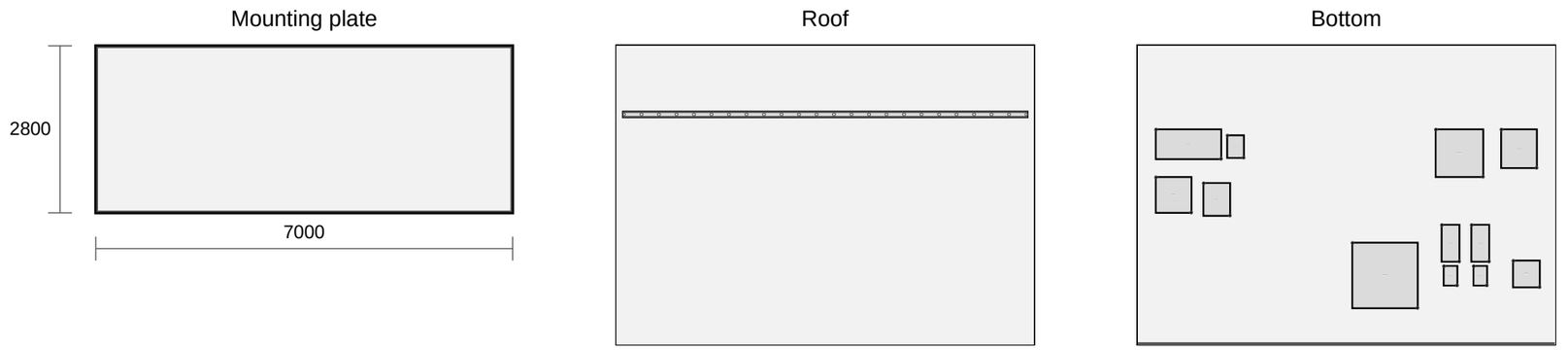
+HAK GEN.HAK-410X720X185 - 410 x 720 x 185 mm - Scale 1:5

Company OpenECraft	Date 2026-10-29	Revision A	Project / page description Building services	Page 8.7	Sheet 33 / 45
	Creator OpenECraft	Software OpenECraft	Mounting layout +HAK	Type Mounting	Project Building services



+HR - 4000 x 2800 x 3000 mm - Scale 1:50

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	8.8	34 / 45
	Creator	Software	Mounting layout +HR	Type	Project
	OpenECraft	OpenECraft		Mounting	Building services



+TR - 7000 x 2800 x 5000 mm - Scale 1:100

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	8.9	35 / 45
	Creator	Software	Mounting layout +TR	Type	Project
	OpenECraft	OpenECraft		Mounting	Building services

Bill of materials

Pos	Qty	Unit	Part number	Type number	Manufacturer	Description	Devices	Unit price	Total
1	1	pcs	BECK.EK1100	EK1100	Beckhoff	EtherCAT coupler for EtherCAT terminals (E-bus)	=CTL+CC2-A10	0.00 EUR	0.00
2	1	pcs	BECK.EL1008	EL1008	Beckhoff	EtherCAT terminal digital input 8 x 24 V DC, 3 ms	=CTL+CC2-A11	0.00 EUR	0.00
3	1	pcs	BECK.EL2008	EL2008	Beckhoff	EtherCAT terminal digital output 8 x 24 V DC, 0.5 A	=CTL+CC2-A12	0.00 EUR	0.00
4	1	pcs	BECK.EL3054	EL3054	Beckhoff	EtherCAT terminal analog input 4 x 4 - 20 mA, 12 bit	=CTL+CC2-A14	0.00 EUR	0.00
5	1	pcs	BECK.EL4004	EL4004	Beckhoff	EtherCAT terminal analog output 4 x 0 - 10 V, 12 bit	=CTL+CC2-A13	0.00 EUR	0.00
6	1	pcs	DEH.952405	DG M TNS 275 FM	DEHN	Surge arrester DEHNguard M DG M TNS 275 FM, TN-S system, with remote s…	=MD+MD-F10	0.00 EUR	0.00
7	2	pcs	DEH.952515	DG M YPV SCI 1000 FM	DEHN	Surge arrester DEHNguard M YPV SCI 1000 FM, type 2, for PV generators …	=PV+GAK-F3, =PV+GAK-F4	286.00 EUR	572.00
8	1	pcs	GEN.ACT-VLV-24V	ACT-VLV-24V	Generic	Valve actuator 24 V AC/DC, open / close, 90°, 15 Nm, with two end posi…	=WAT+HR-MA1	189.00 EUR	189.00
9	0.72	m	GEN.BB-3X30X10	BB-3X30X10	Generic	Busbar system 3-pole, Cu 30 x 10 mm, 60 mm centre distance	+MD	118.00 EUR	84.96
9.1	1	pcs				Cut length 720 mm	+MD		incl.
10	9	pcs	GEN.BB-FEED-185	BB-FEED-185	Generic	Busbar feed-in terminal 1-pole, up to 185 mm², for 60 mm busbar systems	=MD+MD-X0	38.00 EUR	342.00
11	4	pcs	GEN.BB-HOLDER-3P	BB-HOLDER-3P	Generic	Busbar holder 3-pole for 12 x 5 mm, 60 mm	+MD	6.40 EUR	25.60
12	28	m	GEN.CBL-4G1.5	CBL-4G1.5	Generic	Power cable 4G1.5, rubber sheathed	=WAT-W41, =WAT-W42, =AIR-W1	2.40 EUR	67.20
13	10	m	GEN.CBL-5G2.5	CBL-5G2.5	Generic	Power cable 5G2.5, rubber sheathed	=HEAT-W1	4.10 EUR	41.00
14	20	m	GEN.CBL-7G1.0	CBL-7G1.0	Generic	Control cable 7G1.0, numbered cores	=WAT-W31	2.90 EUR	58.00
15	22	m	GEN.CBL-BAT-2X35	CBL-BAT-2X35	Generic	Battery cable H07V-K 2 x 1 x 35 mm², red / black	=ESS-W71, =ESS-W72, =ESS-W73, =ESS-W74, =ESS…	9.80 EUR	215.60
16	9	m	GEN.CBL-BAT-2X70	CBL-BAT-2X70	Generic	Battery cable H07V-K 2 x 1 x 70 mm², red / black	=ESS-W81, =ESS-W82, =ESS-W83	18.90 EUR	170.10
17	8	m	GEN.CBL-H07VK-1X25-GNYE	CBL-H07VK-1X25-GNYE	Generic	Single core H07V-K 1 x 25 mm², green-yellow, for protective and bondin…	=GRID-W3	3.90 EUR	31.20
18	35	m	GEN.CBL-NAYY-4X150	CBL-NAYY-4X150	Generic	Power cable NAYY-J 4 x 150 SE 0.6/1 kV, aluminium, for laying in the g…	=GRID-W1	14.50 EUR	507.50
19	43	m	GEN.CBL-NYM-3X2.5	CBL-NYM-3X2.5	Generic	Installation cable NYM-J 3 x 2.5	=PV-W55, =PV-W56, =ESS-W22, =ESS-W23, =HEAT…	1.40 EUR	60.20
20	6	m	GEN.CBL-NYY-4X150	CBL-NYY-4X150	Generic	Power cable NYY-J 4 x 150 SM 0.6/1 kV	=GRID-W2	52.00 EUR	312.00
21	14	m	GEN.CBL-NYY-5X25	CBL-NYY-5X25	Generic	Power cable NYY-J 5 x 25 RM 0.6/1 kV	=MD-W11	14.20 EUR	198.80
22	30	m	GEN.CBL-NYY-5X35	CBL-NYY-5X35	Generic	Power cable NYY-J 5 x 35 RM 0.6/1 kV	=MD-W12, =MD-W13	19.50 EUR	585.00
23	70	m	GEN.CBL-PV-2X6	CBL-PV-2X6	Generic	Solar cable H1Z2Z2-K 2 x 1 x 6 mm², 1500 V DC, red / black	=PV-W51, =PV-W52, =PV-W53, =PV-W54	2.60 EUR	182.00
24	36	m	GEN.CBL-RJ45-CAT6	CBL-RJ45-CAT6	Generic	Patch cable RJ45 Cat 6, U/UTP, 4 pairs	=ESS-W91, =ESS-W92, =ESS-W93, =ESS-W94, =ESS…	0.90 EUR	32.40
25	30	m	GEN.CBL-SENS-3X0.34	CBL-SENS-3X0.34	Generic	Sensor cable M12 3 x 0.34, PUR	=WAT-W32, =WAT-W33, =WAT-W34	1.60 EUR	48.00
26	1	pcs	GEN.CE-760X760X300	CE-760X760X300	Generic	Compact enclosure, sheet steel, single door, with mounting plate 760 x…	+ACD	300.35 EUR	300.35
27	5	pcs	GEN.CHECK-DN32	CHECK-DN32	Generic	Check valve DN32, PN16, brass, with wall bracket	=HEAT+TR-RM1, =HEAT+TR-RM2, =WAT+HR-RM1, =WA…	29.00 EUR	145.00
28	1	pcs	GEN.COMP-PISTON-450	COMP-PISTON-450	Generic	Piston compressor 10 bar, 450 l/min, belt-driven, on base frame, witho…	=AIR+TR-GQ1	1650.00 EUR	1650.00
29	4	pcs	GEN.COUPLING-NW72	COUPLING-NW72	Generic	Quick coupling NW 7.2, self-sealing, wall outlet	=AIR+TR-XM1, =AIR+TR-XM2, =AIR+TR-XM3, =AIR…	18.00 EUR	72.00
30	3	pcs	GEN.CT-150-5A	CT-150-5A	Generic	Current transformer 150/5 A, class 1, 2.5 VA, for cables up to Ø 28 mm	=MD+MD-T11	34.00 EUR	102.00
31	3	pcs	GEN.CT-9A-24DC	CT-9A-24DC	Generic	Contactor 3P 9 A, coil 24 V DC, 1 NO aux	=AIR+CC2-K1, =WAT+CC2-K11, =WAT+CC2-K12	38.50 EUR	115.50
32	1	pcs	GEN.DRYER-MEMBRANE-G38	DRYER-MEMBRANE-G38	Generic	Membrane dryer G3/8 for the point of use, pressure dew point -20 °C, w…	=AIR+TR-HQ2	310.00 EUR	310.00
33	1	pcs	GEN.DRYER-REFR-600	DRYER-REFR-600	Generic	Refrigeration dryer 600 l/min, pressure dew point +3 °C, 230 V AC	=AIR+TR-HQ1	1380.00 EUR	1380.00
34	3	pcs	GEN.DUCT-100X120	DUCT-100X120	Generic	Cable duct 100 x 120 mm, 2 m	+MD	31.50 EUR	94.50
34.1	1	pcs				Cut length 1750 mm	+MD		incl.
34.2	1	pcs				Cut length 950 mm	+MD		incl.
34.3	3	pcs				Cut length 750 mm	+MD		incl.
35	9	pcs	GEN.DUCT-100X80	DUCT-100X80	Generic	Cable duct 100 x 80 mm, 2 m	+MD, +HR, +TR	22.40 EUR	201.60
35.1	1	pcs				Cut length 1750 mm	+MD		incl.

… 144 more rows – see Reports window / CSV export

Company	Date	Revision	Project / page description	Page	Sheet
OpenECraft	2026-10-29	A	Building services	9.1	36 / 45
	Creator	Software	Bill of materials	Type	Project
	OpenECraft	OpenECraft		Report	Building services

Device list

Device tag	Main function	Function text	Location	Aux. functions	Part number	Description
=AIR+CC2-K1	Relay / contactor coil	Compressor	/5.2.4	2	GEN.CT-9A-24DC	Contactor 3P 9 A, coil 24 V DC, 1 NO aux
=AIR+CC2-Q1	Motor protection switch	Compressor 7 - 10 A	/5.1.4	1	SIE.3RV2011-1JA10, SIE.3RV2901-1E	Motor starter protector 7 - 10 A, size S00, CLASS 10, screw terminals
=AIR+CC2-X1	Terminal ×4		/5.1.4	0	3× GEN.TB-2.5, GEN.TB-PE-2.5	Feed-through terminal 2.5 mm², grey
=AIR+TR-AZ1	Pressure regulator		/5.3.3	0	GEN.FR-G38-WALL	Filter regulator G3/8, 40 µm, 0.5 - 10 bar, with gauge and wall brac…
=AIR+TR-AZ2	Pressure regulator		/5.3.5	0	GEN.FR-G38-WALL	Filter regulator G3/8, 40 µm, 0.5 - 10 bar, with gauge and wall brac…
=AIR+TR-AZ3	Pressure regulator		/5.3.7	0	GEN.FR-G38-WALL	Filter regulator G3/8, 40 µm, 0.5 - 10 bar, with gauge and wall brac…
=AIR+TR-AZ4	Pressure regulator		/5.3.9	0	GEN.FR-G38-WALL	Filter regulator G3/8, 40 µm, 0.5 - 10 bar, with gauge and wall brac…
=AIR+TR-BP1	Measuring transducer	Air receiver 0 - 16 bar	/5.2.6	0	GEN.PT-16BAR-420	Pressure transmitter 0 - 16 bar, 4 - 20 mA, 2-wire, G1/4
=AIR+TR-CM1	Air receiver	Air receiver 270 l	/5.3.1	0	GEN.RECEIVER-270L	Air receiver 270 l, 11 bar, vertical, with safety valve, gauge and c…
=AIR+TR-GQ1	Compressor	Compressor 450 l/min	/5.3.1	0	GEN.COMP-PISTON-450	Piston compressor 10 bar, 450 l/min, belt-driven, on base frame, wit…
=AIR+TR-HQ1	Air dryer	Refrigeration dryer	/5.3.1	0	GEN.DRYER-REFR-600	Refrigeration dryer 600 l/min, pressure dew point +3 °C, 230 V AC
=AIR+TR-HQ2	Air dryer		/5.3.5	0	GEN.DRYER-MEMBRANE-G38	Membrane dryer G3/8 for the point of use, pressure dew point -20 °C,…
=AIR+TR-HQ3	Lubricator (oiler)		/5.3.3	0	GEN.LUB-G38	Lubricator (oiler) G3/8, proportional oil mist, with wall bracket
=AIR+TR-HQ4	Lubricator (oiler)		/5.3.9	0	GEN.LUB-G38	Lubricator (oiler) G3/8, proportional oil mist, with wall bracket
=AIR+TR-M1	Motor 3-phase	Compressor motor 4 kW	/5.1.4	0	GEN.MOT-4KW	Three-phase motor 4 kW 400 V, 2880 rpm, IE3, foot-mounted
=AIR+TR-QM1	Ball valve		/5.3.3	0	GEN.VLV-BALL-G12	Ball valve G1/2 for compressed air, with wall bracket
=AIR+TR-QM2	Ball valve		/5.3.5	0	GEN.VLV-BALL-G12	Ball valve G1/2 for compressed air, with wall bracket
=AIR+TR-QM3	Ball valve		/5.3.7	0	GEN.VLV-BALL-G12	Ball valve G1/2 for compressed air, with wall bracket
=AIR+TR-QM4	Ball valve		/5.3.9	0	GEN.VLV-BALL-G12	Ball valve G1/2 for compressed air, with wall bracket
=AIR+TR-RN1	Silencer	Intake filter	/5.3.1	0	GEN.INTAKE-FILTER-G1	Intake filter G1 with silencer for compressors
=AIR+TR-XM1	Quick coupling (outlet)	Tools (oiled air)	/5.3.3	0	GEN.COUPLING-NW72	Quick coupling NW 7.2, self-sealing, wall outlet
=AIR+TR-XM2	Quick coupling (outlet)	Paint shop (dry air)	/5.3.5	0	GEN.COUPLING-NW72	Quick coupling NW 7.2, self-sealing, wall outlet
=AIR+TR-XM3	Quick coupling (outlet)	Blow-off (clean air)	/5.3.7	0	GEN.COUPLING-NW72	Quick coupling NW 7.2, self-sealing, wall outlet
=AIR+TR-XM4	Quick coupling (outlet)	Workshop (oiled air)	/5.3.9	0	GEN.COUPLING-NW72	Quick coupling NW 7.2, self-sealing, wall outlet
=CTL+CC1-A1	Black box 1 + 1 connections	PLC CPU	/3.2.2	0	GEN.PLC-CPU	PLC CPU 24 V DC, 2 x Ethernet (Modbus TCP, EtherCAT master), 1 MB wo…
=CTL+CC1-A2	PLC digital input ×11	Valve open	/3.3.1	0	GEN.PLC-DI16	PLC digital input module 16 x 24 V DC
=CTL+CC1-A3	PLC digital output ×4	Open valve	/3.4.1	0	GEN.PLC-DO16	PLC digital output module 16 x 24 V DC 0.5 A
=CTL+CC1-A4	PLC analog input ×4	Level storage tank 0 - 2 m	/3.5.3	0	GEN.PLC-AI4	PLC analog input module 4 x 0/4 - 20 mA, 0 - 10 V
=CTL+CC1-B2	Temperature switch NC	Thermostat 5 °C	/3.1.5	0	GEN.TEMP-SW-60C	Thermostat 0 - 60 °C, 1 NC
=CTL+CC1-E2	Heating element	Anti-condensation heater	/3.1.5	0	GEN.HEATER-100W	Enclosure heater 100 W, 230 V AC, with fan
=CTL+CC1-F1	Circuit breaker 1-pole	Service socket	/3.1.4	0	HAG.MCN116	Miniature circuit breaker 1P C16, 6 kA, 230/400 V AC, 1 module
=CTL+CC1-F2	Circuit breaker 1-pole	Heater	/3.1.5	0	HAG.MCN110	Miniature circuit breaker 1P C10, 6 kA, 230/400 V AC, 1 module
=CTL+CC1-P1	Indicator lamp	Fault	/3.4.4	0	GEN.LMP-RD-24	Indicator lamp red, LED 24 V
=CTL+CC1-P2	Horn / buzzer	Alarm	/3.4.5	0	GEN.HORN-24	Panel buzzer 24 V, 85 dB
=CTL+CC1-Q1	Main switch 3-pole	Main switch	/3.1.2	0	HAG.SBN363	Switch disconnector 3P 63 A, 400 V AC
=CTL+CC1-T1	Power supply AC/DC	24 V DC 10 A backed up	/3.1.7	0	PXC.2904601	Power supply QUINT4-PS/1AC/24DC/10, 1-phase input, 24 V DC / 10 A
=CTL+CC1-X0	Terminal ×5		/3.1.2	0	3× GEN.TB-35, GEN.TB-N-35, GEN.TB-PE	Feed-through terminal 35 mm², grey
=CTL+CC1-X1	Terminal ×3		/3.1.7	0	GEN.TB-2.5, GEN.TB-N-2.5, GEN.TB-PE	Feed-through terminal 2.5 mm², grey
=CTL+CC1-X2	Socket outlet	Service socket	/3.1.4	0	GEN.SOCKET-DIN-16A	Socket outlet type F for mounting rail, 16 A 250 V
=CTL+CC1-X3	Terminal ×4		/3.3.1	0	4× GEN.TB-2.5	Feed-through terminal 2.5 mm², grey

… 113 more rows – see Reports window / CSV export

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Terminal diagram

Strip	Terminal	Level	Jumper	External (top)	Internal (bottom)	Potential	Location	Function text
=AIR+CC2-X1	End bracket			GEN.EB-35				
=AIR+CC2-X1	1			=AIR+CC2-K1:2	=AIR+TR-M1:U1	N63	/5.1.4	
=AIR+CC2-X1	2			=AIR+CC2-K1:4	=AIR+TR-M1:V1	N64	/5.1.4	
=AIR+CC2-X1	3			=AIR+CC2-K1:6	=AIR+TR-M1:W1	N65	/5.1.4	
=AIR+CC2-X1	End plate			GEN.TB-END				
=AIR+CC2-X1	PE			=HEAT+CC2-X1:PE, =HEAT+CC2-X1:PE1, =HEAT+CC2-X1:PE2, =WAT+CC2-X1:PE, =W…	=AIR+TR-M1:PE	PEN	/5.1.4	
=AIR+CC2-X1	End plate			GEN.TB-END				
=AIR+CC2-X1	End bracket			GEN.EB-35				
=CTL+CC1-X0	End bracket			GEN.EB-35				
=CTL+CC1-X0	1			=MD+MD-P1:2, »W11-L1	=CTL+CC1-Q1:1	W11-L1	/3.1.2	
=CTL+CC1-X0	2			=MD+MD-P1:4, »W11-L2	=CTL+CC1-Q1:3	W11-L2	/3.1.2	
=CTL+CC1-X0	3			=MD+MD-P1:6, »W11-L3	=CTL+CC1-Q1:5	W11-L3	/3.1.2	
=CTL+CC1-X0	N			=MD+MD-P1:N', »W11-N	=CTL+CC1-E2:2, =CTL+CC1-X2:N	W11-N	/3.1.2	
=CTL+CC1-X0	PE			=MD+MD-X2:PE1, »W11-PE	=CTL+CC1-X2:PE	PEN	/3.1.2	
=CTL+CC1-X0	End bracket			GEN.EB-35				
=CTL+CC1-X1	End bracket			GEN.EB-35				
=CTL+CC1-X1	1			=ESS+ACD-X1:2, »W23-L	=CTL+CC1-T1:L	W23-L	/3.1.7	
=CTL+CC1-X1	N			=ESS+ACD-X1:N2, »W23-N	=CTL+CC1-T1:N	W23-N	/3.1.7	
=CTL+CC1-X1	End plate			GEN.TB-END				
=CTL+CC1-X1	PE			=ESS+ACD-X1:PE2, »W23-PE	=CTL+CC1-T1:PE	PEN	/3.1.8	
=CTL+CC1-X1	End plate			GEN.TB-END				
=CTL+CC1-X1	End bracket			GEN.EB-35				
=CTL+CC1-X3	End bracket			GEN.EB-35				
=CTL+CC1-X3	1			=CTL+CC1-A3:Q0.0	=WAT+HR-MA1:2	N36	/3.4.1	
=CTL+CC1-X3	2			=CTL+CC1-A3:Q0.1	=WAT+HR-MA1:3	N37	/3.4.2	
=CTL+CC1-X3	3			=WAT+HR-MA1:S2	=CTL+CC1-A2:I0.0	N25	/3.3.1	
=CTL+CC1-X3	4			=WAT+HR-MA1:S4	=CTL+CC1-A2:I0.1	N26	/3.3.2	
=CTL+CC1-X3	End plate			GEN.TB-END				
=CTL+CC1-X3	End bracket			GEN.EB-35				
=ESS+ACD-X0	End bracket			GEN.EB-35				
=ESS+ACD-X0	1			=MD+MD-P2:2, »W12-L1	=ESS+ACD-Q1:1	W12-L1	/7.2.2.2	
=ESS+ACD-X0	2			=MD+MD-P2:4, »W12-L2	=ESS+ACD-Q1:3	W12-L2	/7.2.2.2	
=ESS+ACD-X0	3			=MD+MD-P2:6, »W12-L3	=ESS+ACD-Q1:5	W12-L3	/7.2.2.2	
=ESS+ACD-X0	N			=MD+MD-P2:N', »W12-N	=ESS+TR-T1:ACin-N, =ESS+TR-T2:ACin-N, =ESS+TR-T3:ACin-N	W12-N	/7.2.2.2	
=ESS+ACD-X0	PE			=MD+MD-X2:PE2, »W12-PE	=ESS+ACD-X1:PE1, =ESS+ACD-X1:PE2, =ESS+ACD-X11:PE, =ESS+TR-T1:PE, =ESS+…	PEN	/7.2.2.2	
=ESS+ACD-X0	End bracket			GEN.EB-35				
=ESS+ACD-X1	End bracket			GEN.EB-35				
=ESS+ACD-X1	1			=ESS+ACD-F12:2	=ESS+RACK-X3:L	N113	/7.2.3.4	
=ESS+ACD-X1	2			=ESS+ACD-F13:2	=CTL+CC1-X1:1, »W23-L	W23-L	/7.2.3.6	
=ESS+ACD-X1	N1			=ESS+ACD-F10:N', =ESS+ACD-X1:N2, =ESS+ACD-X11:N	=ESS+RACK-X3:N	W23-N	/7.2.3.5	

… 87 more rows – see Reports window / CSV export

Cable overview

Cable	Type	Cores used	Cross-section	Length (m)	From	To	Part number	Description
=AIR-W1	CBL-4G1.5	4/4	1.5 mm²	12	=AIR+CC2-X1	=AIR+TR-M1	GEN.CBL-4G1.5	Compressor motor
=ESS-W22	CBL-NYM-3X2.5	3/3	2.5 mm²	5	=ESS+ACD-X1	=ESS+RACK-X3	GEN.CBL-NYM-3X2.5	PDU 19-inch rack
=ESS-W23	CBL-NYM-3X2.5	3/3	2.5 mm²	8	=CTL+CC1-X1	=ESS+ACD-X1	GEN.CBL-NYM-3X2.5	Control voltage automation cabinet
=ESS-W71	CBL-BAT-2X35	2/2	35 mm²	4	=ESS+RACK-G1	=ESS+TR-F1	GEN.CBL-BAT-2X35	Battery 1
=ESS-W72	CBL-BAT-2X35	2/2	35 mm²	4	=ESS+RACK-G2	=ESS+TR-F1	GEN.CBL-BAT-2X35	Battery 2
=ESS-W73	CBL-BAT-2X35	2/2	35 mm²	4	=ESS+RACK-G3	=ESS+TR-F1	GEN.CBL-BAT-2X35	Battery 3
=ESS-W74	CBL-BAT-2X35	2/2	35 mm²	4	=ESS+RACK-G4	=ESS+TR-F1	GEN.CBL-BAT-2X35	Battery 4
=ESS-W81	CBL-BAT-2X70	2/2	70 mm²	3	=ESS+TR-F2	=ESS+TR-T1	GEN.CBL-BAT-2X70	MultiPlus-II 1 DC
=ESS-W82	CBL-BAT-2X70	2/2	70 mm²	3	=ESS+TR-F2	=ESS+TR-T2	GEN.CBL-BAT-2X70	MultiPlus-II 2 DC
=ESS-W83	CBL-BAT-2X70	2/2	70 mm²	3	=ESS+TR-F2	=ESS+TR-T3	GEN.CBL-BAT-2X70	MultiPlus-II 3 DC
=ESS-W84	CBL-BAT-2X35	2/2	35 mm²	3	=PV+TR-T1	=ESS+TR-F2	GEN.CBL-BAT-2X35	Inverter RS 1 DC
=ESS-W85	CBL-BAT-2X35	2/2	35 mm²	3	=PV+TR-T2	=ESS+TR-F3	GEN.CBL-BAT-2X35	Inverter RS 2 DC
=ESS-W91	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+TR-K1	=ESS+TR-T1	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W92	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+TR-T1	=ESS+TR-T2	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W93	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+TR-T2	=ESS+TR-T3	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W94	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+TR-K1	=PV+TR-T1	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W95	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=PV+TR-T1	=PV+TR-T2	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W96	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+RACK-G1	=ESS+TR-K1	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W97	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+RACK-G1	=ESS+RACK-G2	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W98	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+RACK-G2	=ESS+RACK-G3	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W99	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+RACK-G3	=ESS+RACK-G4	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W100	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=ESS+RACK-K2	=ESS+TR-K1	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W101	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=CTL+CC1-A1	=ESS+RACK-K2	GEN.CBL-RJ45-CAT6	Patch cable
=ESS-W102	CBL-RJ45-CAT6	1/1	0.14 mm²	3	=CTL+CC1-A1	=CTL+CC2-A10	GEN.CBL-RJ45-CAT6	Patch cable
=GRID-W1	CBL-NAYY-4X150	4/4	150 mm²	35	=GRID+HAK-F1, =GRID+HAK-X0	=GRID+KVS-X1	GEN.CBL-NAYY-4X150	Utility supply
=GRID-W2	CBL-NYY-4X150	4/4	150 mm²	6	=GRID+HAK-X0, =MD+MD-X0	=GRID+HAK-F1, =MD+MD-X1	GEN.CBL-NYY-4X150	Main cable
=GRID-W3	CBL-H07VK-1X25-GNYE	1/1	25 mm²	8	=MD+MD-X2	=GRID+HR-X1	GEN.CBL-H07VK-1X25-GNYE	Main bonding conductor
=HEAT-W1	CBL-5G2.5	5/5	2.5 mm²	10	=HEAT+CC2-X1	=HEAT+TR-EQ1	GEN.CBL-5G2.5	Heat pump
=HEAT-W2	CBL-NYM-3X2.5	3/3	2.5 mm²	8	=HEAT+CC2-X1	=HEAT+TR-GP1	GEN.CBL-NYM-3X2.5	Circulating pump heat pump
=HEAT-W3	CBL-NYM-3X2.5	3/3	2.5 mm²	10	=HEAT+CC2-X1	=HEAT+TR-GP2	GEN.CBL-NYM-3X2.5	Circulating pump hot water
=MD-W11	CBL-NYY-5X25	5/5	25 mm²	14	=MD+MD-P1, =MD+MD-X2	=CTL+CC1-X0	GEN.CBL-NYY-5X25	Automation cabinet
=MD-W12	CBL-NYY-5X35	5/5	35 mm²	16	=MD+MD-P2, =MD+MD-X2	=ESS+ACD-X0	GEN.CBL-NYY-5X35	Battery storage
=MD-W13	CBL-NYY-5X35	5/5	35 mm²	14	=MD+MD-T11, =MD+MD-X2	=WAT+CC2-X0	GEN.CBL-NYY-5X35	Pump cabinet
=PV-W51	CBL-PV-2X6	2/2	6 mm²	30	=PV+GAK-F1	=PV+ROOF-G1	GEN.CBL-PV-2X6	PV string 1
=PV-W52	CBL-PV-2X6	2/2	6 mm²	30	=PV+GAK-F2	=PV+ROOF-G2	GEN.CBL-PV-2X6	PV string 2
=PV-W53	CBL-PV-2X6	2/2	6 mm²	5	=PV+GAK-X1	=PV+TR-T1	GEN.CBL-PV-2X6	PV input Inverter RS 1
=PV-W54	CBL-PV-2X6	2/2	6 mm²	5	=PV+GAK-X1	=PV+TR-T2	GEN.CBL-PV-2X6	PV input Inverter RS 2
=PV-W55	CBL-NYM-3X2.5	3/3	2.5 mm²	6	=ESS+ACD-X2	=PV+TR-T1	GEN.CBL-NYM-3X2.5	AC output Inverter RS 1
=PV-W56	CBL-NYM-3X2.5	3/3	2.5 mm²	6	=ESS+ACD-X2	=PV+TR-T2	GEN.CBL-NYM-3X2.5	AC output Inverter RS 2
=WAT-W31	CBL-7G1.0	4/7	1 mm²	20	=CTL+CC1-X3	=WAT+HR-MA1	GEN.CBL-7G1.0	Valve actuator

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PLC assignment list

PLC card	Address	Type	Function text	Connected to	Location
=CTL+CC1-A2	I0.0	DI	Valve open	=CTL+CC1-X3:3, =WAT+HR-MA1:S2	/3.3.1
=CTL+CC1-A2	I0.1	DI	Valve closed	=CTL+CC1-X3:4, =WAT+HR-MA1:S4	/3.3.2
=CTL+CC1-A2	I0.2	DI	Tank empty	=WAT+TR-BL2:14	/3.3.3
=CTL+CC1-A2	I0.3	DI	SPD main distribution: fault	=MD+MD-F10:14	/3.3.4
=CTL+CC1-A2	I0.4	DI	SPD main distribution: OK	=MD+MD-F10:12	/3.3.5
=CTL+CC1-A2	I0.5	DI	SPD PV string 1: fault	=PV+GAK-F3:14	/3.3.6
=CTL+CC1-A2	I0.6	DI	SPD PV string 1: OK	=PV+GAK-F3:12	/3.3.7
=CTL+CC1-A2	I0.7	DI	Cerbo GX alarm: fault	=ESS+TR-K1:R1-NO	/3.3.8
=CTL+CC1-A2	I1.0	DI	Cerbo GX alarm: OK	=ESS+TR-K1:R1-NC	/3.3.9
=CTL+CC1-A2	I1.1	DI	SPD PV string 2: fault	=PV+GAK-F4:14	/3.3.4
=CTL+CC1-A2	I1.2	DI	SPD PV string 2: OK	=PV+GAK-F4:12	/3.3.5
=CTL+CC1-A3	Q0.0	DO	Open valve	=CTL+CC1-X3:1, =WAT+HR-MA1:2	/3.4.1
=CTL+CC1-A3	Q0.1	DO	Close valve	=CTL+CC1-X3:2, =WAT+HR-MA1:3	/3.4.2
=CTL+CC1-A3	Q0.2	DO	Fault	=CTL+CC1-P1:X1	/3.4.4
=CTL+CC1-A3	Q0.3	DO	Alarm	=CTL+CC1-P2:1	/3.4.5
=CTL+CC1-A4	IW64	DI	Level storage tank 0 - 2 m	=WAT+TR-BL1:-	/3.5.3
=CTL+CC1-A4	IW66	DI	Supply pressure 0 - 10 bar	=WAT+TR-BP1:-	/3.5.5
=CTL+CC1-A4	IW68	DI	Air pressure	=AIR+TR-BP1:-	/5.2.7
=CTL+CC1-A4	IW70	DI	Outside air	=HEAT+TR-BT4:-	/6.3.8
=CTL+CC2-A11	DI1	DI	Pump 1 ready	=WAT+CC2-Q11:14	/4.2.1
=CTL+CC2-A11	DI2	DI	Pump 1 running	=WAT+CC2-K11:14	/4.2.2
=CTL+CC2-A11	DI3	DI	Pump 2 ready	=WAT+CC2-Q12:14	/4.2.3
=CTL+CC2-A11	DI4	DI	Pump 2 running	=WAT+CC2-K12:14	/4.2.4
=CTL+CC2-A11	DI5	DI	Compressor ready	=AIR+CC2-Q1:14	/5.2.1
=CTL+CC2-A11	DI6	DI	Compressor running	=AIR+CC2-K1:14	/5.2.2
=CTL+CC2-A11	DI7	DI	Heat pump fault	=HEAT+TR-EQ1:ER2	/6.2.7
=CTL+CC2-A11	DI8	DI	Storage tank high level	=WAT+TR-BL3:14	/6.3.9
=CTL+CC2-A12	DO1	DO	Pump 1 on	=WAT+CC2-K11:A1	/4.2.6
=CTL+CC2-A12	DO2	DO	Pump 2 on	=WAT+CC2-K12:A1	/4.2.8
=CTL+CC2-A12	DO3	DO	Compressor on	=AIR+CC2-K1:A1	/5.2.4
=CTL+CC2-A12	DO4	DO	Circulating pump heat pump	=HEAT+CC2-K2:A1	/6.2.1
=CTL+CC2-A12	DO5	DO	Hot water circulation	=HEAT+CC2-K3:A1	/6.2.2
=CTL+CC2-A12	DO6	DO	Heat pump enable	=HEAT+CC2-K1:A1	/6.2.3
=CTL+CC2-A13	AO1	DO	Setpoint flow temperature	=HEAT+TR-EQ1:AI+	/6.2.8
=CTL+CC2-A14	AI1	DI	Buffer tank top	=HEAT+TR-BT1:-	/6.3.2
=CTL+CC2-A14	AI2	DI	Buffer tank bottom	=HEAT+TR-BT2:-	/6.3.3
=CTL+CC2-A14	AI3	DI	Hot water flow	=HEAT+TR-BT3:-	/6.3.5
=CTL+CC2-A14	AI4	DI	Hot water pressure	=HEAT+TR-BP1:-	/6.3.7

Plug diagram

Plug	Pin	Socket side	Pin side	Potential	Location	Function text
=CTL+CC1-A1	X1	=ESS+RACK-K2:P2		N127	/7.2.4.1	
=CTL+CC1-A1	X2	=CTL+CC2-A10:X1		N128	/7.2.4.3	
=CTL+CC2-A10	X1	=CTL+CC1-A1:X2		N128	/7.2.4.4	
=ESS+RACK-G1	CAN	=ESS+TR-K1:BMS-Can		N122	/7.2.4.2	
=ESS+RACK-G1	Link1	=ESS+RACK-G2:Link0		N123	/7.2.4.3	
=ESS+RACK-G2	Link0	=ESS+RACK-G1:Link1		N123	/7.2.4.4	
=ESS+RACK-G2	Link1	=ESS+RACK-G3:Link0		N124	/7.2.4.5	
=ESS+RACK-G3	Link0	=ESS+RACK-G2:Link1		N124	/7.2.4.6	
=ESS+RACK-G3	Link1	=ESS+RACK-G4:Link0		N125	/7.2.4.7	
=ESS+RACK-G4	Link0	=ESS+RACK-G3:Link1		N125	/7.2.4.7	
=ESS+RACK-K2	P1	=ESS+TR-K1:LAN		N126	/7.2.4.9	
=ESS+RACK-K2	P2	=CTL+CC1-A1:X1		N127	/7.2.4.2	
=ESS+TR-K1	BMS-Can	=ESS+RACK-G1:CAN		N122	/7.2.4.1	
=ESS+TR-K1	LAN	=ESS+RACK-K2:P1		N126	/7.2.4.8	
=ESS+TR-K1	VE.Bus	=ESS+TR-T1:VE.Bus1		N117	/7.2.4.1	
=ESS+TR-K1	VE.Can	=PV+TR-T1:VE.Can1		N120	/7.2.4.7	
=ESS+TR-T1	VE.Bus1	=ESS+TR-K1:VE.Bus		N117	/7.2.4.2	
=ESS+TR-T1	VE.Bus2	=ESS+TR-T2:VE.Bus1		N118	/7.2.4.3	
=ESS+TR-T2	VE.Bus1	=ESS+TR-T1:VE.Bus2		N118	/7.2.4.4	
=ESS+TR-T2	VE.Bus2	=ESS+TR-T3:VE.Bus1		N119	/7.2.4.5	
=ESS+TR-T3	VE.Bus1	=ESS+TR-T2:VE.Bus2		N119	/7.2.4.6	
=HEAT+TR-EQ1	AI+	=CTL+CC2-A13:AO1		N82	/6.2.8	
=HEAT+TR-EQ1	AI-	=AIR+CC2-K1:A2, =CTL+CC1-A1:M, =CTL+CC1-P1:X2, =CTL+CC1-P2:2, =CTL+CC1-T1:-, =…		0V	/6.2.9	
=HEAT+TR-EQ1	ER1	=AIR+CC2-K1:13, =AIR+CC2-Q1:13, =AIR+TR-BP1:+, =CTL+CC1-A1:L+, =CTL+CC1-T1:+, …		+24V	/6.2.6	
=HEAT+TR-EQ1	ER2	=CTL+CC2-A11:DI7		N81	/6.2.7	
=HEAT+TR-EQ1	L1	=HEAT+CC2-X1:1		N70	/6.1.4	
=HEAT+TR-EQ1	L2	=HEAT+CC2-X1:2		N71	/6.1.4	
=HEAT+TR-EQ1	L3	=HEAT+CC2-X1:3		N72	/6.1.4	
=HEAT+TR-EQ1	N	=HEAT+CC2-X1:N		PEN	/6.1.4	
=HEAT+TR-EQ1	PE	=HEAT+CC2-X1:PE		PEN	/6.1.4	
=HEAT+TR-EQ1	SG1	=HEAT+CC2-K1:13		N79	/6.2.5	
=HEAT+TR-EQ1	SG2	=HEAT+CC2-K1:14		N80	/6.2.5	
=HEAT+TR-GP1	L	=HEAT+CC2-X1:4		N74	/6.1.6	
=HEAT+TR-GP1	N	=HEAT+CC2-X1:N1		PEN	/6.1.6	
=HEAT+TR-GP1	PE	=HEAT+CC2-X1:PE1		PEN	/6.1.7	
=HEAT+TR-GP2	L	=HEAT+CC2-X1:5		N75	/6.1.8	
=HEAT+TR-GP2	N	=HEAT+CC2-X1:N2		PEN	/6.1.8	
=HEAT+TR-GP2	PE	=HEAT+CC2-X1:PE2		PEN	/6.1.8	
=PV+TR-T1	VE.Can1	=ESS+TR-K1:VE.Can		N120	/7.2.4.7	
=PV+TR-T1	VE.Can2	=PV+TR-T2:VE.Can1		N121	/7.2.4.8	

… 1 more rows – see Reports window / CSV export

Panel legend

Enclosure	Pos	Device tag	Description	Part number	Mounting	Position (mm)	Size (mm)	Length (mm)
+MD	1	=MD+MD-X0	Busbar feed-in terminal 1-pole, up to 185 mm², for 60 mm busbar …	GEN.BB-FEED-185	Mounting plate	140 / 255	120 × 90	
+MD	2	=MD+MD-Q1	NH fuse switch disconnector size NH000, 3P, 100 A, for 60 mm bus…	HAG.LT0057	Mounting plate	260 / 255	50 × 210	
+MD	3	=MD+MD-Q2	NH fuse switch disconnector size NH00, 3P, 160 A, for 60 mm busb…	HAG.LT056	Mounting plate	380 / 255	106 × 210	
+MD	4	=MD+MD-Q3	NH fuse switch disconnector size NH2, 3P, 400 A, for 60 mm busba…	HAG.LT253	Mounting plate	560 / 255	210 × 306	
+MD	5	=MD+MD-X2	Protective earth terminal 35 mm², green-yellow	GEN.TB-PE-35	Mounting plate	730 / 854	99 × 92	
+MD	6	=MD+MD-P1	Energy meter 3-phase, direct up to 80 A, Modbus, MID, 4 modules	HAG.ECR380D	Mounting plate	240 / 855	72 × 90	
+MD	7	=MD+MD-P2	Energy meter 3-phase, direct up to 80 A, Modbus, MID, 4 modules	HAG.ECR380D	Mounting plate	320 / 855	72 × 90	
+MD	8	=MD+MD-P3	Energy meter 3-phase, transformer-operated x/1 A or x/5 A, Modbu…	HAG.ECR300C	Mounting plate	400 / 855	72 × 90	
+MD	9	=MD+MD-F11	Fuse holder 3-pole 10 x 38 mm with fuse links 2 A gG, for voltag…	GEN.FUSE-10X38-3P-2A	Mounting plate	480 / 855	54 × 90	
+MD	10	=MD+MD-F10	Surge arrester DEHNguard M DG M TNS 275 FM, TN-S system, with re…	DEH.952405	Mounting plate	545 / 855	72 × 90	
+MD	11	=MD+MD-T11	Current transformer 150/5 A, class 1, 2.5 VA, for cables up to Ø…	GEN.CT-150-5A	Mounting plate	560 / 1210	70 × 80	
+MD	12		Mounting rail TS 35 x 7.5, perforated, 1 m	GEN.RAIL-TS35-1M	Mounting plate	120 / 882	35 × 7.5	710
+MD	13		Mounting rail TS 35 x 7.5, perforated, 1 m	GEN.RAIL-TS35-1M	Mounting plate	120 / 1232	35 × 7.5	710
+MD	14		Mounting rail TS 35 x 7.5, perforated, 1 m	GEN.RAIL-TS35-1M	Mounting plate	120 / 1532	35 × 7.5	710
+MD	15		Cable duct 100 x 120 mm, 2 m	GEN.DUCT-100X120	Mounting plate	0 / 0	100 × 120	950
+MD	16		Cable duct 100 x 80 mm, 2 m	GEN.DUCT-100X80	Mounting plate	0 / 100	100 × 80	1750
+MD	17		Cable duct 100 x 120 mm, 2 m	GEN.DUCT-100X120	Mounting plate	850 / 100	100 × 120	1750
+MD	18		Cable duct 100 x 120 mm, 2 m	GEN.DUCT-100X120	Mounting plate	100 / 130	100 × 120	750
+MD	19		Cable duct 100 x 120 mm, 2 m	GEN.DUCT-100X120	Mounting plate	100 / 710	100 × 120	750
+MD	20		Cable duct 100 x 120 mm, 2 m	GEN.DUCT-100X120	Mounting plate	100 / 1050	100 × 120	750
+MD	21		Cable duct 100 x 80 mm, 2 m	GEN.DUCT-100X80	Mounting plate	100 / 1350	100 × 80	750
+MD	22		Cable duct 100 x 80 mm, 2 m	GEN.DUCT-100X80	Mounting plate	100 / 1650	100 × 80	750
+MD	23		Cable duct 100 x 80 mm, 2 m	GEN.DUCT-100X80	Mounting plate	0 / 1850	100 × 80	950
+MD	24		Busbar system 3-pole, Cu 30 x 10 mm, 60 mm centre distance	GEN.BB-3X30X10	Mounting plate	120 / 255	90 × 50	720
+CC1	1	=CTL+CC1-X0	Feed-through terminal 35 mm², grey	GEN.TB-35	Mounting plate	100 / 334	99 × 92	
+CC1	2	=CTL+CC1-X2	Socket outlet type F for mounting rail, 16 A 250 V	GEN.SOCKET-DIN-16A	Mounting plate	335 / 335	45 × 90	
+CC1	3	=CTL+CC1-Q1	Switch disconnector 3P 63 A, 400 V AC	HAG.SBN363	Mounting plate	210 / 338	52 × 83	
+CC1	4	=CTL+CC1-F1	Miniature circuit breaker 1P C16, 6 kA, 230/400 V AC, 1 module	HAG.MCN116	Mounting plate	275 / 338	18 × 83	
+CC1	5	=CTL+CC1-F2	Miniature circuit breaker 1P C10, 6 kA, 230/400 V AC, 1 module	HAG.MCN110	Mounting plate	305 / 338	18 × 83	
+CC1	6	=CTL+CC1-T1	Power supply QUINT4-PS/1AC/24DC/10, 1-phase input, 24 V DC / 10 A	PXC.2904601	Mounting plate	350 / 655	40 × 130	
+CC1	7	=CTL+CC1-E2	Enclosure heater 100 W, 230 V AC, with fan	GEN.HEATER-100W	Mounting plate	430 / 655	70 × 130	
+CC1	8	=CTL+CC1-B2	Thermostat 0 - 60 °C, 1 NC	GEN.TEMP-SW-60C	Mounting plate	400 / 686	18 × 67	
+CC1	9	=CTL+CC1-X1	Feed-through terminal 2.5 mm², grey	GEN.TB-2.5	Mounting plate	300 / 696	39 × 49	
+CC1	10	=CTL+CC1-X3	Feed-through terminal 2.5 mm², grey	GEN.TB-2.5	Mounting plate	480 / 1026	42 × 49	
+CC1	11	=CTL+CC1-A1	PLC CPU 24 V DC, 2 x Ethernet (Modbus TCP, EtherCAT master), 1 M…	GEN.PLC-CPU	Mounting plate	480 / 1350	60 × 100	
+CC1	12	=CTL+CC1-A2	PLC digital input module 16 x 24 V DC	GEN.PLC-DI16	Mounting plate	550 / 1350	25 × 100	
+CC1	13	=CTL+CC1-A3	PLC digital output module 16 x 24 V DC 0.5 A	GEN.PLC-DO16	Mounting plate	585 / 1350	25 × 100	
+CC1	14	=CTL+CC1-A4	PLC analog input module 4 x 0/4 - 20 mA, 0 - 10 V	GEN.PLC-AI4	Mounting plate	620 / 1350	25 × 100	
+CC1	15	=CTL+CC1-P1	Indicator lamp red, LED 24 V	GEN.LMP-RD-24	Door	300 / 900	30 × 30	
+CC1	16	=CTL+CC1-P2	Panel buzzer 24 V, 85 dB	GEN.HORN-24	Door	400 / 900	30 × 30	

… 141 more rows – see Reports window / CSV export

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	Creator: OpenECraft	Software: OpenECraft	Panel legend	Type: Report	Project: Building services

Routing list (3D)

Kind	Designation	From	To	Class	Enclosures	Length (mm)	Cut length (mm)	Free air (mm)	Bundles	Status
Cable	=GRID-W2	=MD+MD-X0	=GRID+HAK-F1	Power	+MD / +HR / +HAK	5835	5900	3975	1	routed
Cable	=GRID-W1	=GRID+HAK-F1	=GRID+KVS-X1	Power	+HAK / +HR	1838	1900	1400	0	routed
Cable	=MD-W13	=MD+MD-T11	=WAT+CC2-X0	Power	+MD / +HR / +TR / +CC2	9475	9500	4200	4	routed
Cable	=MD-W12	=MD+MD-P2	=ESS+ACD-X0	Power	+MD / +HR / +TR / +ACD	12351	12400	4975	21	routed
Cable	=MD-W11	=MD+MD-P1	=CTL+CC1-X0	Power	+MD / +HR / +TR / +CC1	8975	9000	5025	9	routed
Cable	=GRID-W3	=MD+MD-X2	=GRID+HR-X1	Power	+MD / +HR	8965	9000	5475	3	routed
Cable	=HEAT-W1	=HEAT+CC2-X1	=HEAT+TR-EQ1	Power	+CC2 / +TR	9757	9800	3400	10	routed
Cable	=ESS-W22	=ESS+ACD-X1	=ESS+RACK-X3	Power	+ACD / +TR / +RACK	5562	5600	4200	3	routed
Cable	=ESS-W23	=CTL+CC1-X1	=ESS+ACD-X1	Power	+CC1 / +TR / +ACD	6993	7000	6125	1	routed
Cable	=HEAT-W2	=HEAT+CC2-X1	=HEAT+TR-GP1	Power	+CC2 / +TR	11766	11800	5325	12	routed
Cable	=HEAT-W3	=HEAT+CC2-X1	=HEAT+TR-GP2	Power	+CC2 / +TR	9722	9800	6975	6	routed
Cable	=AIR-W1	=AIR+CC2-X1	=AIR+TR-M1	Power	+CC2 / +TR	6945	7000	4650	11	routed
Cable	=WAT-W41	=WAT+CC2-X11	=WAT+TR-M1	Power	+CC2 / +TR	12134	12200	6725	15	routed
Cable	=WAT-W42	=WAT+CC2-X12	=WAT+TR-M2	Power	+CC2 / +TR	12554	12600	6725	12	routed
Wire	=CTL+CC1-X1:PE – =CTL+CC1-T1:PE	=CTL+CC1-X1:PE	=CTL+CC1-T1:PE	Power	+CC1	589	590	0	3	in the cable ducts
Wire	=WAT+CC2-X11:PE – =WAT+CC2-X12:PE	=WAT+CC2-X11:PE	=WAT+CC2-X12:PE	Power	+CC2	530	530	0	3	in the cable ducts
Wire	=AIR+CC2-X1:PE – =HEAT+CC2-X1:PE	=AIR+CC2-X1:PE	=HEAT+CC2-X1:PE	Power	+CC2	526	530	0	4	in the cable ducts
Wire	=CTL+CC1-X0:PE – =CTL+CC1-X2:PE	=CTL+CC1-X0:PE	=CTL+CC1-X2:PE	Power	+CC1	1207	1210	0	10	in the cable ducts
Wire	=MD+MD-F10:PE – =MD+MD-X2:N3	=MD+MD-F10:PE	=MD+MD-X2:N3	Power	+MD	1254	1260	0	8	in the cable ducts
Wire	=MD+MD-X2:PA – =MD+MD-F10:PE	=MD+MD-X2:PA	=MD+MD-F10:PE	Power	+MD	1238	1240	0	8	in the cable ducts
Wire	=ESS+ACD-X0:PE – =ESS+ACD-X11:PE	=ESS+ACD-X0	=ESS+ACD-X11	Power	+ACD	742	750	625	2	routed
Wire	=ESS+ACD-X11:PE – =ESS+ACD-X1:PE1	=ESS+ACD-X11	=ESS+ACD-X1	Power	+ACD	653	660	550	3	routed
Wire	=WAT+CC2-X12:PE – =AIR+CC2-X1:PE	=WAT+CC2-X12:PE	=AIR+CC2-X1:PE	Power	+CC2	1090	1100	0	10	in the cable ducts
Wire	=MD+MD-X2:PE3 – =MD+MD-P3:N	=MD+MD-X2:PE3	=MD+MD-P3:N	Power	+MD	741	750	0	14	in the cable ducts
Wire	=MD+MD-X2:PE1 – =MD+MD-P2:N	=MD+MD-X2:PE1	=MD+MD-P2:N	Power	+MD	752	760	0	15	in the cable ducts
Wire	=MD+MD-P2:N – =MD+MD-X2:PE2	=MD+MD-P2:N	=MD+MD-X2:PE2	Power	+MD	768	770	0	16	in the cable ducts
Wire	=WAT+CC2-X0:PE – =WAT+CC2-X11:PE	=WAT+CC2-X0:PE	=WAT+CC2-X11:PE	Power	+CC2	750	750	0	12	in the cable ducts
Wire	=MD+MD-P1:N – =MD+MD-X2:PE1	=MD+MD-P1:N	=MD+MD-X2:PE1	Power	+MD	832	840	0	17	in the cable ducts
Wire	=WAT+CC2-X0:N – =HEAT+CC2-X1:N	=WAT+CC2-X0:N	=HEAT+CC2-X1:N	Power	+CC2	1395	1400	0	22	in the cable ducts
Wire	=ESS+TR-T1:PE – =ESS+TR-T2:PE	=ESS+TR-T1	=ESS+TR-T2	Power	+TR	935	940	850	5	routed
Wire	=ESS+TR-T2:PE – =ESS+TR-T3:PE	=ESS+TR-T2	=ESS+TR-T3	Power	+TR	1235	1240	1150	7	routed
Wire	=GRID+HR-X1:1 – =GRID+HR-E1:1	=GRID+HR-X1	=GRID+HR-E1	Power	+HR	1136	1140	1000	1	routed
Wire	=PV+GAK-F3:PE – =PV+GAK-F4:PE	=PV+GAK-F3	=PV+GAK-F4	Power	+GAK	250	250	150	0	routed
Cable	=ESS-W81	=ESS+TR-F2	=ESS+TR-T1	Control	+TR	2347	2400	1850	0	routed
Cable	=ESS-W82	=ESS+TR-F2	=ESS+TR-T2	Control	+TR	2382	2400	2100	1	routed
Cable	=ESS-W83	=ESS+TR-F2	=ESS+TR-T3	Control	+TR	2735	2800	2350	1	routed
Cable	=ESS-W71	=ESS+RACK-G1	=ESS+TR-F1	Control	+RACK / +TR	11388	11400	4600	10	routed
Cable	=ESS-W72	=ESS+RACK-G2	=ESS+TR-F1	Control	+RACK / +TR	11311	11400	4700	10	routed
Cable	=ESS-W73	=ESS+RACK-G3	=ESS+TR-F1	Control	+RACK / +TR	11695	11700	4975	12	routed
Cable	=ESS-W74	=ESS+RACK-G4	=ESS+TR-F1	Control	+RACK / +TR	11044	11100	4525	13	routed

… 224 more rows – see Reports window / CSV export

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	Creator OpenECraft	Software OpenECraft		Type Report	Project Building services

Hose list

Hose no.	From	To	Medium	Nominal size	Colour	Length (m)	Page
H1	=WAT+HR-UM1:1	=WAT+HR-QM1:1	Water	DN32	BU	1.38	/4.3.1
H2	=WAT+HR-QM1:2	=WAT+HR-BF1:1	Water	DN32	BU	2.27	/4.3.1
H3	=WAT+HR-BF1:2	=WAT+HR-RM1:1	Water	DN32	BU	3.04	/4.3.2
H4	=WAT+HR-RM1:2	=WAT+HR-QM2:1	Water	DN32	BU	7.49	/4.3.2
H5	=WAT+HR-QM2:2	=WAT+TR-CM1:N1	Water	DN32	BU	–	/4.3.3
H6	=WAT+TR-CM1:N2	=WAT+TR-QM3:1	Water	DN32	BU	9.21	/4.3.5
H7	=WAT+TR-QM3:2	=WAT+TR-GP1:S	Water	DN32	BU	10.27	/4.3.5
H7	=WAT+TR-GP1:S	=WAT+TR-GP2:S	Water	DN32	BU	7.18	/4.3.6
H8	=WAT+TR-GP1:P	=WAT+TR-RM2:1	Water	DN32	BU	9.71	/4.3.6
H10	=WAT+TR-RM2:2	=WAT+TR-RM3:2	Water	DN32	BU	10.28	/4.3.7
H10	=WAT+TR-RM3:2	=WAT+TR-CM2:N2	Water	DN32	BU	10.67	/4.3.7
H9	=WAT+TR-GP2:P	=WAT+TR-RM3:1	Water	DN32	BU	9.81	/4.3.6
H11	=WAT+TR-CM2:N1	=WAT+TR-QM4:1	Water	DN32	BU	9.83	/4.3.8
H12	=WAT+TR-QM4:2	=WAT+TR-UM2:IN	Water	DN32	BU	10.33	/4.3.9
H16	=AIR+TR-GQ1:S	=AIR+TR-RN1:1	Compressed air	DN20	BU	–	/5.3.1
H15	=AIR+TR-CM1:2	=AIR+TR-GQ1:P	Compressed air	DN20	BU	5.16	/5.3.1
H14	=AIR+TR-HQ1:1	=AIR+TR-CM1:1	Compressed air	DN20	BU	6.61	/5.3.1
H13	=AIR+TR-HQ1:2	=AIR+TR-QM1:1	Compressed air	DN20	BU	8.72	/5.3.1
H13	=AIR+TR-QM1:1	=AIR+TR-QM2:1	Compressed air	DN20	BU	7.26	/5.3.3
H13	=AIR+TR-QM2:1	=AIR+TR-QM3:1	Compressed air	DN20	BU	6.46	/5.3.5
H13	=AIR+TR-QM3:1	=AIR+TR-QM4:1	Compressed air	DN20	BU	5.16	/5.3.7
H17	=AIR+TR-QM1:2	=AIR+TR-AZ1:1	Compressed air	DN20	BU	7.89	/5.3.3
H18	=AIR+TR-AZ1:2	=AIR+TR-HQ3:1	Compressed air	DN20	BU	7.94	/5.3.3
H19	=AIR+TR-HQ3:2	=AIR+TR-XM1:1	Compressed air	DN20	BU	7.78	/5.3.3
H20	=AIR+TR-QM2:2	=AIR+TR-HQ2:1	Compressed air	DN20	BU	7.11	/5.3.5
H21	=AIR+TR-HQ2:2	=AIR+TR-AZ2:1	Compressed air	DN20	BU	7.20	/5.3.5
H22	=AIR+TR-AZ2:2	=AIR+TR-XM2:1	Compressed air	DN20	BU	6.99	/5.3.5
H23	=AIR+TR-QM3:2	=AIR+TR-AZ3:1	Compressed air	DN20	BU	6.30	/5.3.7
H24	=AIR+TR-AZ3:2	=AIR+TR-XM3:1	Compressed air	DN20	BU	6.19	/5.3.7
H25	=AIR+TR-QM4:2	=AIR+TR-AZ4:1	Compressed air	DN20	BU	4.49	/5.3.9
H26	=AIR+TR-AZ4:2	=AIR+TR-HQ4:1	Compressed air	DN20	BU	4.54	/5.3.9
H27	=AIR+TR-HQ4:2	=AIR+TR-XM4:1	Compressed air	DN20	BU	4.38	/5.3.9
H29	=HEAT+TR-EQ1:1	=HEAT+TR-CM1:N2	Heating water	DN25	BU	4.64	/6.4.2
H30	=HEAT+TR-EQ1:2	=HEAT+TR-GP1:P	Heating water	DN25	BU	5.61	/6.4.2
H34	=HEAT+TR-CM1:N1	=HEAT+TR-QM1:1	Hot water	DN32	BU	11.43	/6.4.4
H32	=HEAT+TR-GP1:S	=HEAT+TR-CM1:N3	Heating water	DN25	BU	6.64	/6.4.3
H33	=HEAT+TR-RM1:2	=HEAT+TR-CM1:N4	Hot water	DN32	BU	9.00	/6.4.2
H33	=HEAT+TR-CM1:N4	=HEAT+TR-RM2:1	Hot water	DN32	BU	9.55	/6.4.4
H36	=HEAT+TR-QM1:2	=HEAT+TR-UM1:1	Hot water	DN32	BU	10.30	/6.4.6
H28	=WAT+TR-UM2:OUT1	=HEAT+TR-QM2:1	Water	DN32	BU	12.83	/6.4.1

… 4 more rows – see Reports window / CSV export

19-inch rack elevation

Rack	Units	Device	Part	Description	Depth (mm)
+RACK	41		GEN.RK-PATCH-24P	Patch panel 19-inch, 24 x RJ45 Cat 6A, shielded, 1 U	120
+RACK	40	=ESS+RACK-K2	GEN.RK-SWITCH-24P	Network switch 19-inch, 24 x RJ45 1 Gbit/s, 4 x SFP, managed, 1 U	250
+RACK	39		GEN.RK-CABLE-1U	Cable management panel 19-inch with 5 brush rings, 1 U	70
+RACK	30	=ESS+RACK-X3	GEN.RK-PDU-8	Power distribution unit 19-inch, 8 sockets 230 V, 16 A, 1 U	60
+RACK	17		GEN.RK-BLANK-1U	Blank panel 19-inch, 1 U, sheet steel	10
+RACK	16 – 13	=ESS+RACK-G4	PYL.US5000	Lithium iron phosphate battery module US5000, 48 V, 100 Ah, 4.8 kWh, 19-inch, 4 U	420
+RACK	12 – 9	=ESS+RACK-G3	PYL.US5000	Lithium iron phosphate battery module US5000, 48 V, 100 Ah, 4.8 kWh, 19-inch, 4 U	420
+RACK	8 – 5	=ESS+RACK-G2	PYL.US5000	Lithium iron phosphate battery module US5000, 48 V, 100 Ah, 4.8 kWh, 19-inch, 4 U	420
+RACK	4 – 1	=ESS+RACK-G1	PYL.US5000	Lithium iron phosphate battery module US5000, 48 V, 100 Ah, 4.8 kWh, 19-inch, 4 U	420
+RACK	21 / 42 U			free	