

Wiring Diagram

Calibra



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1 Table item number

The following number/note are used for the heat pump. Which number/note are used depends on the heat pump model.

Number/Note	Description
31	Circulation pump (HWC)
32	Circulation pump (pool)
33	Circulation pump (shunt auxiliary heater)
34	Circulation pump (hot gas)
35	Circulation pump (WCS)
36	Circulation pump (system)
38	Circulation pump (cooling circuit)
39	Circulation pump (heat dump)
40	Expansion card
50	Outdoor sensor
51	System supply line sensor
53	Hot water sensor lower
54	Sensor (WCS)
55	Hot water sensor top
56	Sensor HWC return line
57	Return line sensor cooling tank
58	Supply line sensor cooling circuit
59	Sensor cooling tank
60	Sensor pool
61	Return line sensor heat dump
62	Room sensor
63	Sensor hot water
64	Sensor cold water
71	Flow guard
72	External auxiliary heater shunt
73	Control valve WCS
74	Shunt valve cooling circuit
75	Mixing valve HW
76	Reversing valve heat dump
77	Reversing valve hot water
78	Reversing valve cooling
79	Reversing valve active cooling
101	Reversing valve pool
107	Shunt (distribution circuit 1)
108	Supply line sensor (distribution circuit 1)
109	Circulation pump (distribution circuit 1)
115	Auxiliary heater hot gas boiler
117	External auxiliary heater
118	Auxiliary heater (anti-legionella)
119	Control signal dry cooler
132	Passive room sensor
136	Buffer tank sensor
143	Return line shunt

Number/Note	Description
170	System circ. pump A
171	System circ. pump B
172	Auxiliary circ. pump (brine)
173	BMS/Building management system
174	Accessory
175	Accessory monitoring online
176	External heater burn out pump
180	Tank sensor TWC (hot gas boiler)
181	Return line sensor (cooling circuit)
182	Supply line sensor heat dump
183	Supply line sensor pool
184	Reversing valve hot gas boiler
185	Reversing valve cooling mode
207	Shunt (distribution circuit 2-5)
208	Supply line sensor (distribution circuit 2-5)
209	Circulation pump (distribution circuit 2-5)
210	Return line sensor (distribution circuit 2-5)
250	Shunt pool circuit
251	Shunt valve heat dump
301	Compressor
302	Brine pump
304	Spare circulation pump
308	Condenser pump
310	Reversing valve
312	Bypass valve
313	Electronic expansion valve
317	Immersion heater
318	Circulation pump secondary unit
319	Solenoid valve
340	Temperature guard
341	Start signal
342	External pool off
343	External WCS start
344	Alarm relay
345	Start signal internal brine
364	Shunt valve hot-water
365	Supply line sensor secondary
366	Return line sensor secondary
370	Secondary circuit pump
377	Reversing valve volume tank
403	Operating pressure switch
405	Radiator out sensor
407	HGW sensor

Number/Note	Description
408	EVU/Smart grid 1
409	Smart grid 2
411	Radiator return sensor
412	Brine out sensor
413	Brine in sensor
414	High pressure switch
416	Discharge pipe sensor
421	Suction gas sensor
422	Dewpoint sensor
431	Liquid line sensor
432	Signal compressor in operation
433	Low pressure transmitter
434	High pressure transmitter
435	Inverter
436	DI 1
437	DI 2
438	DI 3
439	DI 4
440	Spare
441	Communication card
442	Main PCB
443	Sub PCB
444	External alarm
445	DI 5
446	DI 6
447	DI 7

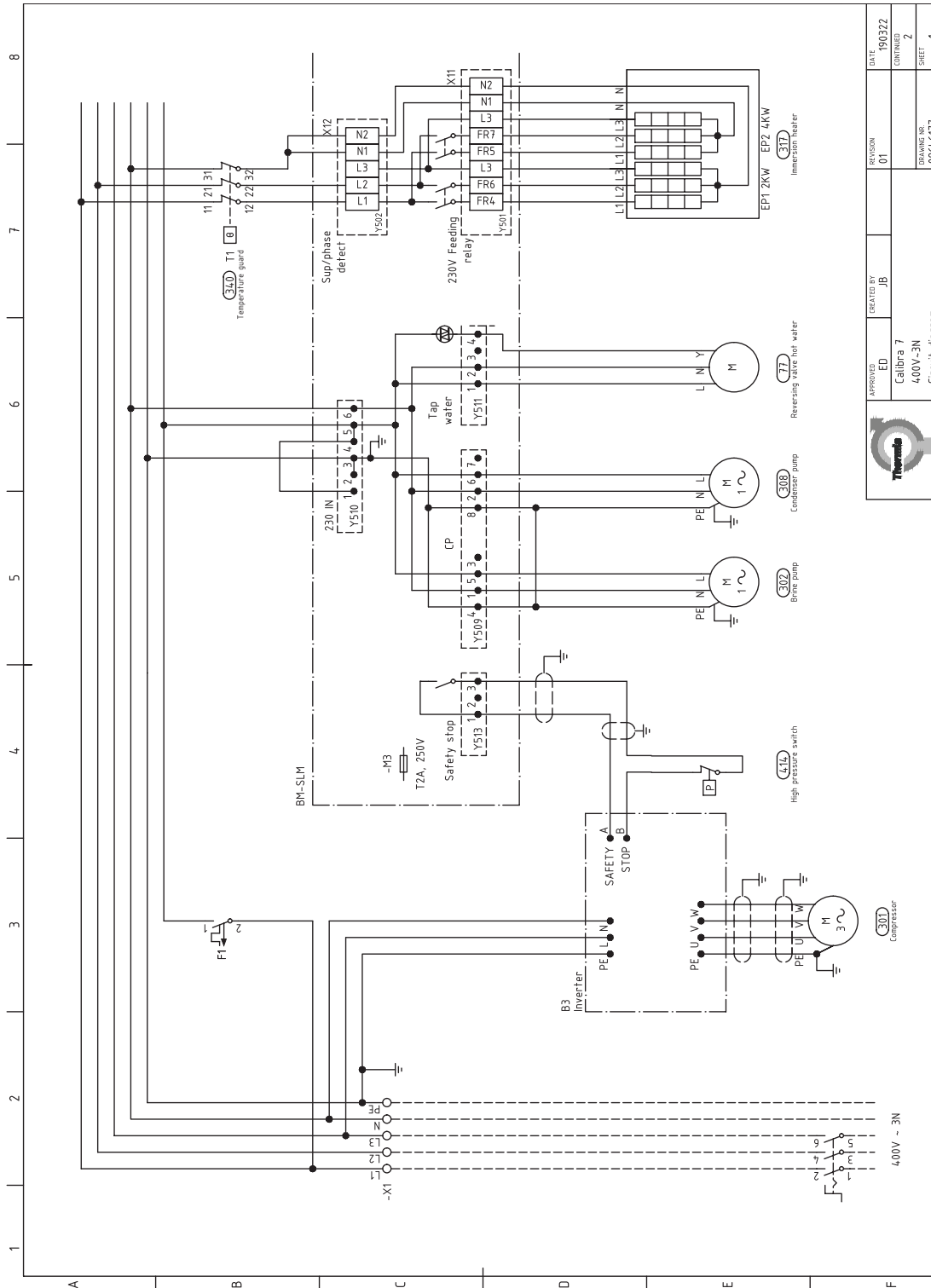
Number/Note	Description
448	DI 8
449	DC-choke
453	Display
455	Indoor hub controller
456	Current Limiter
* Note 8	Alarm
* Note 9	Speed control
* Note 15	Immersion heater or external auxiliary heater
* Note 16	Potential free contact
* Note 17	To outdoor unit
* Note 18	To expansion unit
* Note 19	Communication
* Note 28	230VAC for external loads
* Note 29	Max 5A load in total on terminal 38, 39, 50, 52 (50-53 in some models)
* Note 30	24VAC for external loads
* Note 31	Max 1A load in total on terminal 54 - 59 (AC1, AC2 in some models)
*Note 32	The outdoor unit is equipped with a modbus communication card, which is not shown in this circuit diagram. Terminal F1/F2 is connected to the communication card, instead of to main PCB. Fore more information about communication card connections, see following page.
*Note 33	15kW immersion heater is optional

Wiring Diagram

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2 Calibra 7 400V

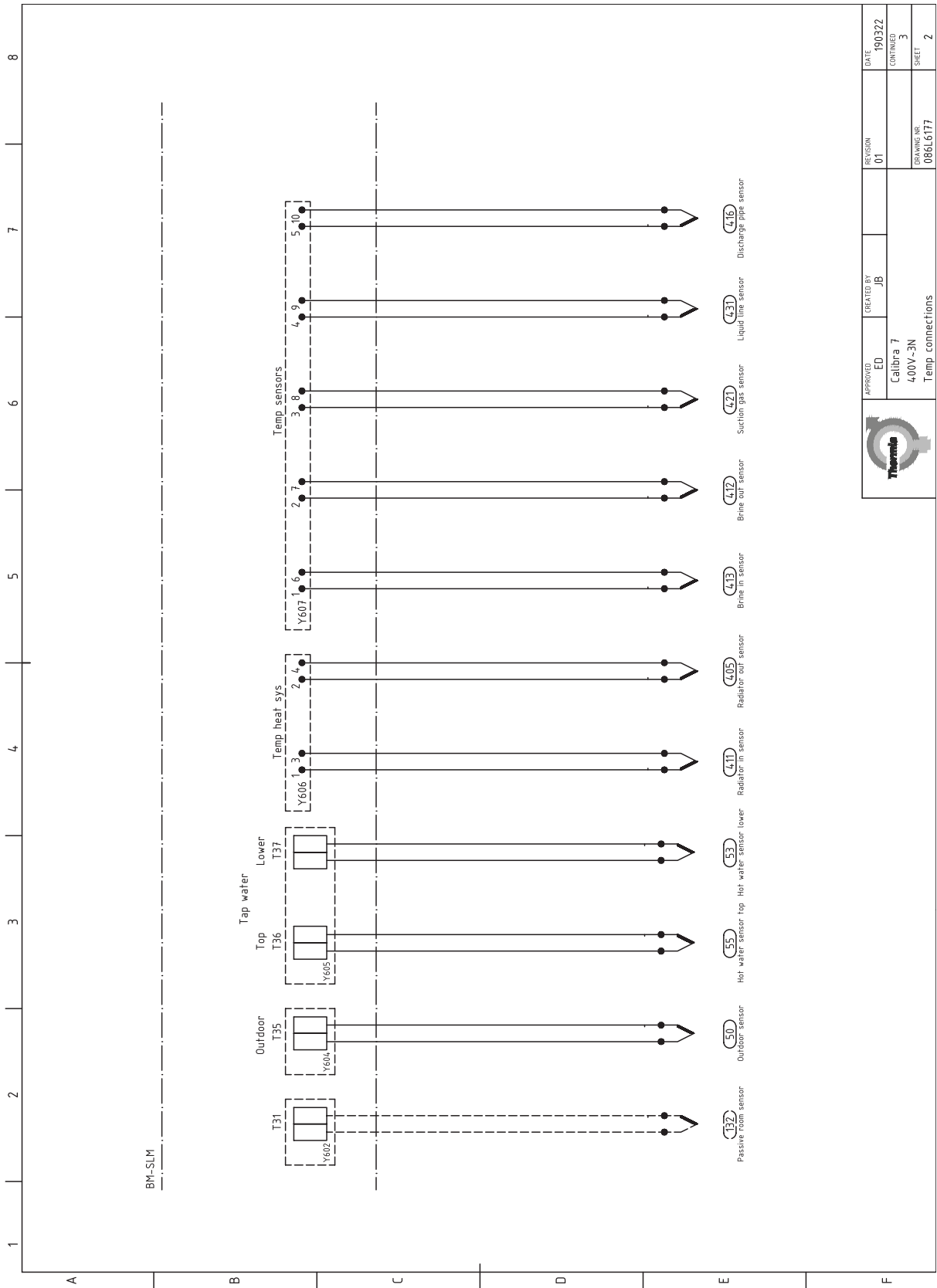
2.1 Calibra 7 400V



DATE	190322
REVISION	01
APPROVED	ED
DESIGNED BY	JB
Calibra 7	
400V - 3N	
Circuit diagram	
DRAWING NR	086L6177
SHEET	1

Wiring Diagram

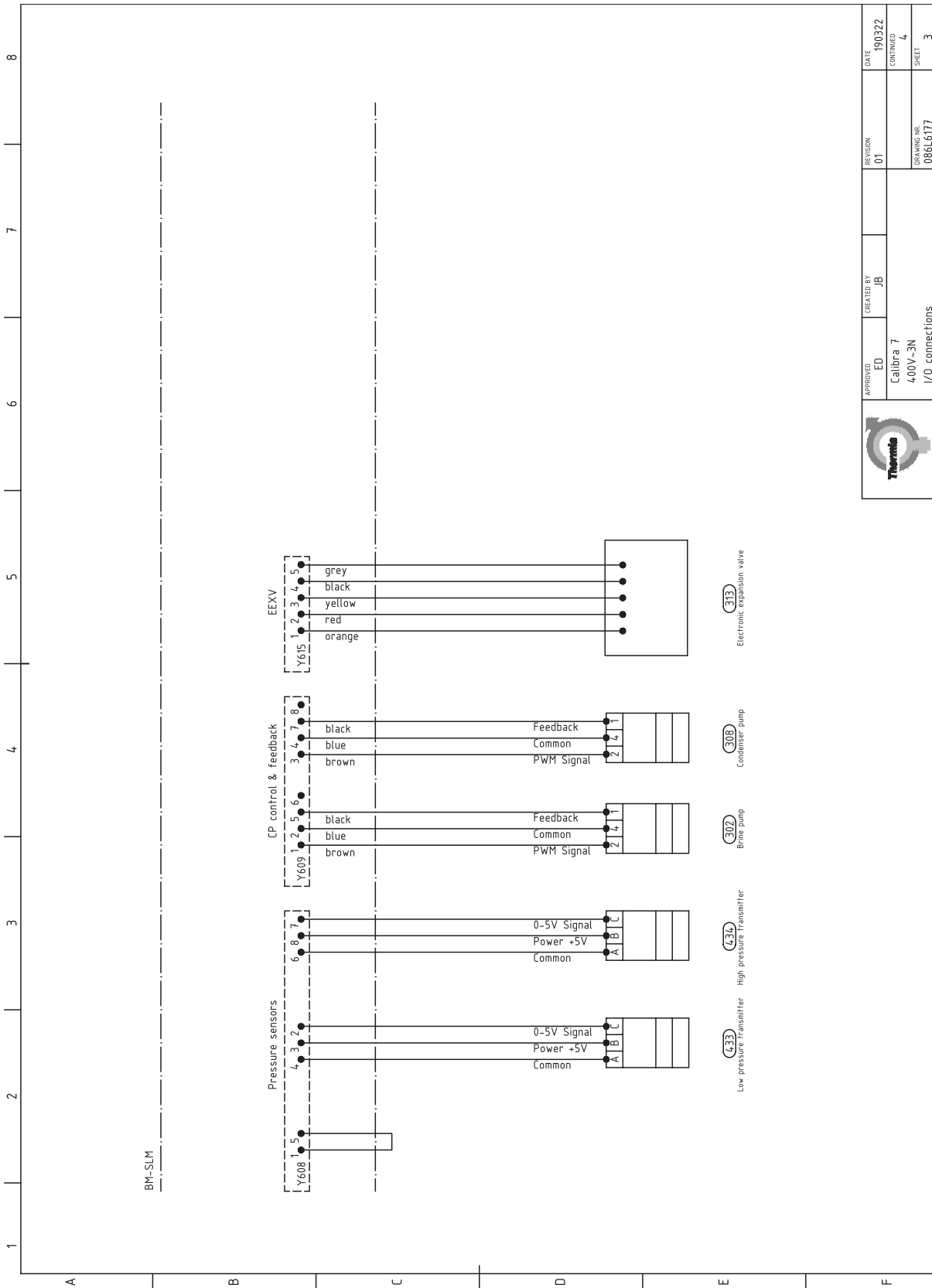
Calibra



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Wiring Diagram

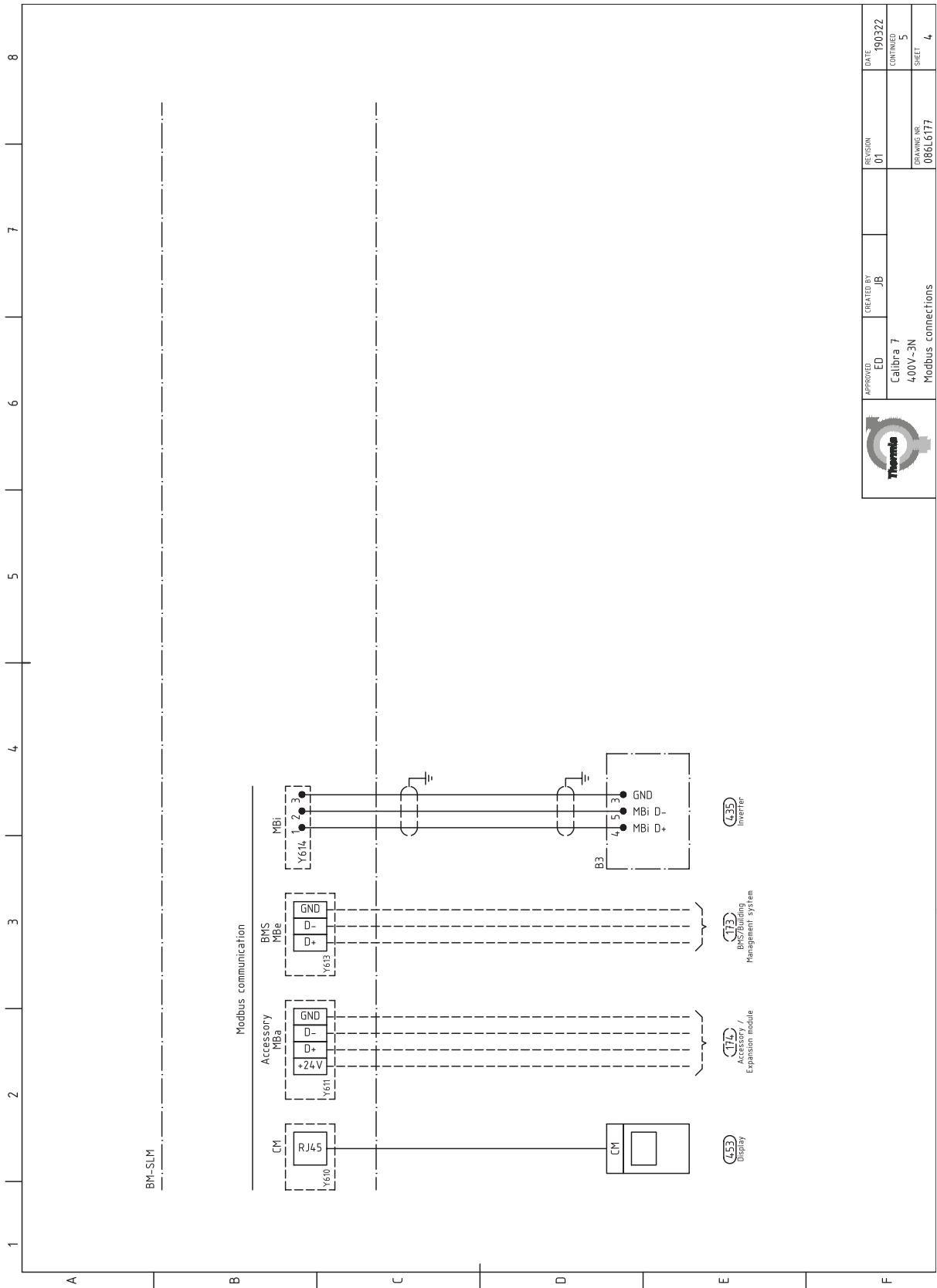
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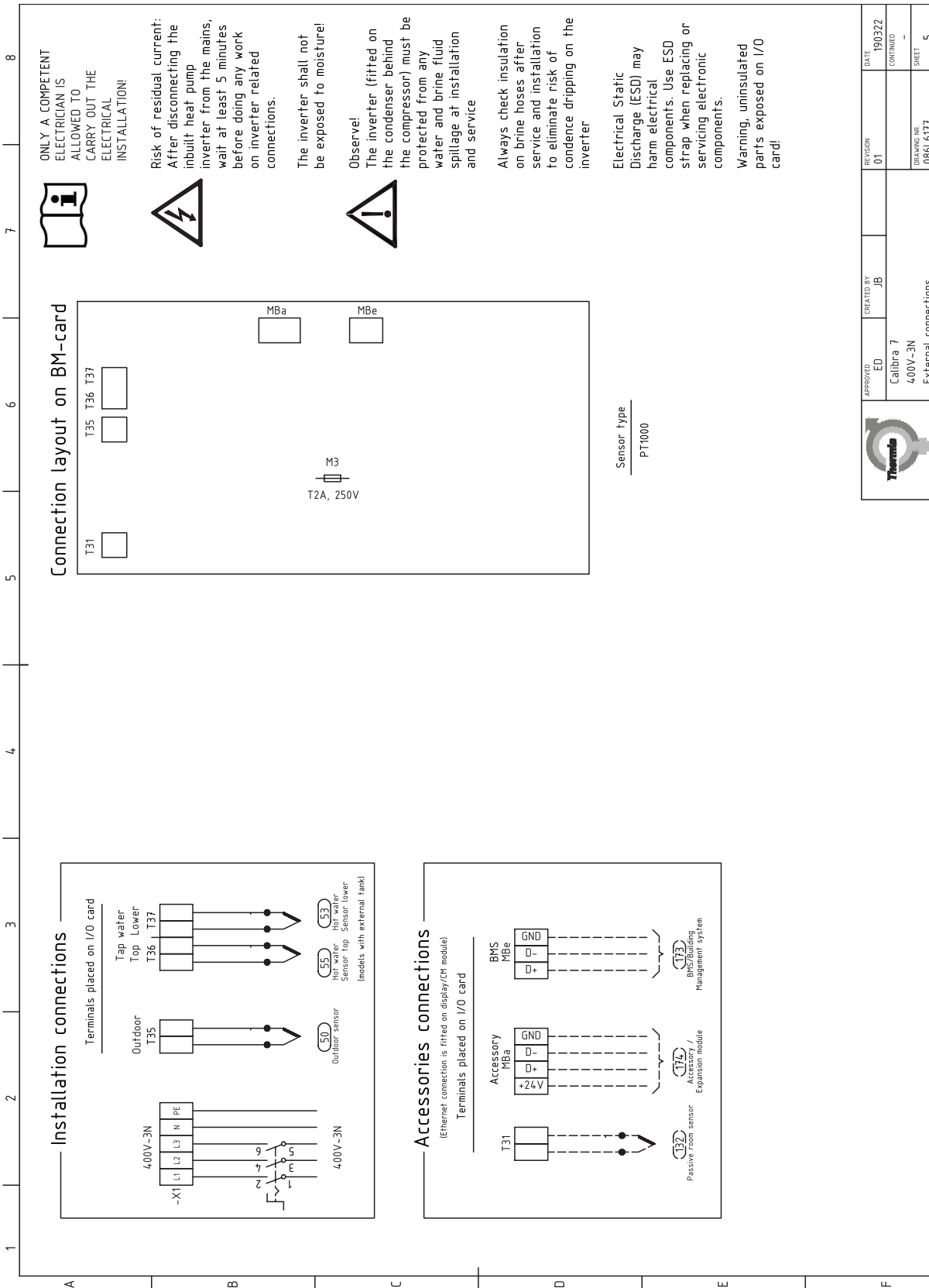
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	I/O connections						086L6177	SHEET

Wiring Diagram

Calibra



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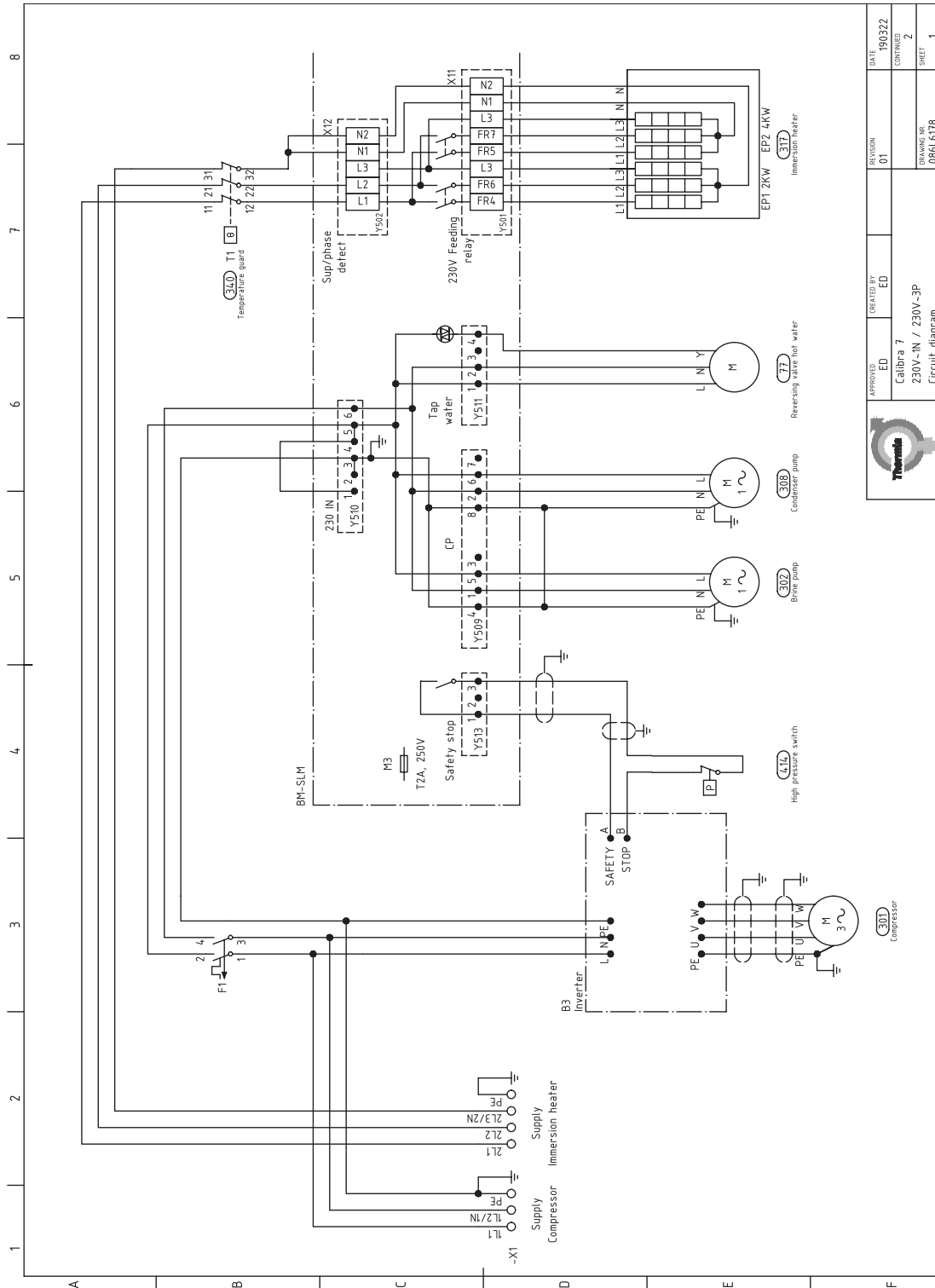
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Wiring Diagram

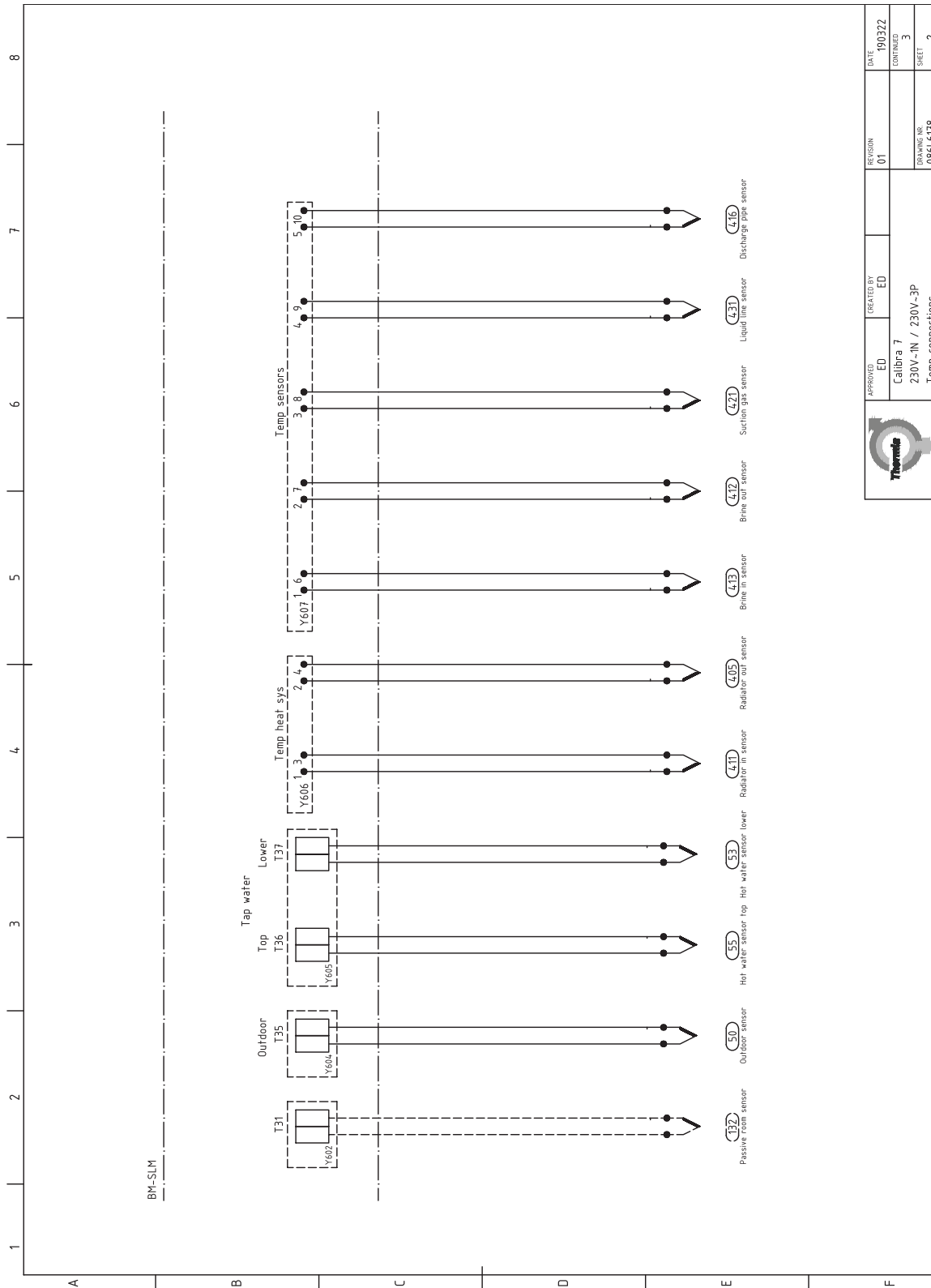
Calibra

3 Calibra 7 230V

3.1 Calibra 7 230V



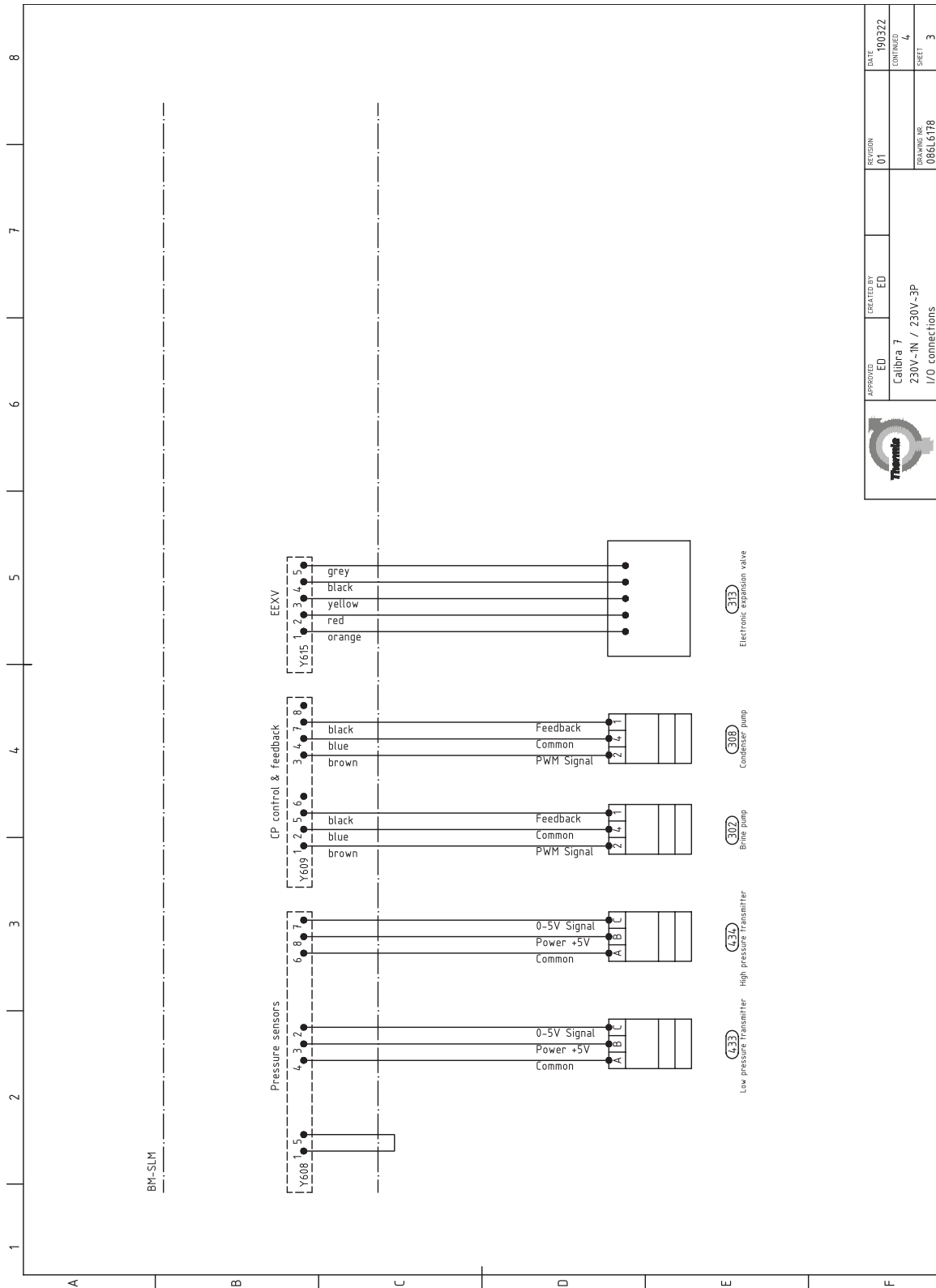
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Calibra 7 230V-IN / 230V-3P Circuit diagram				CONTAINED	2	SHEET	1
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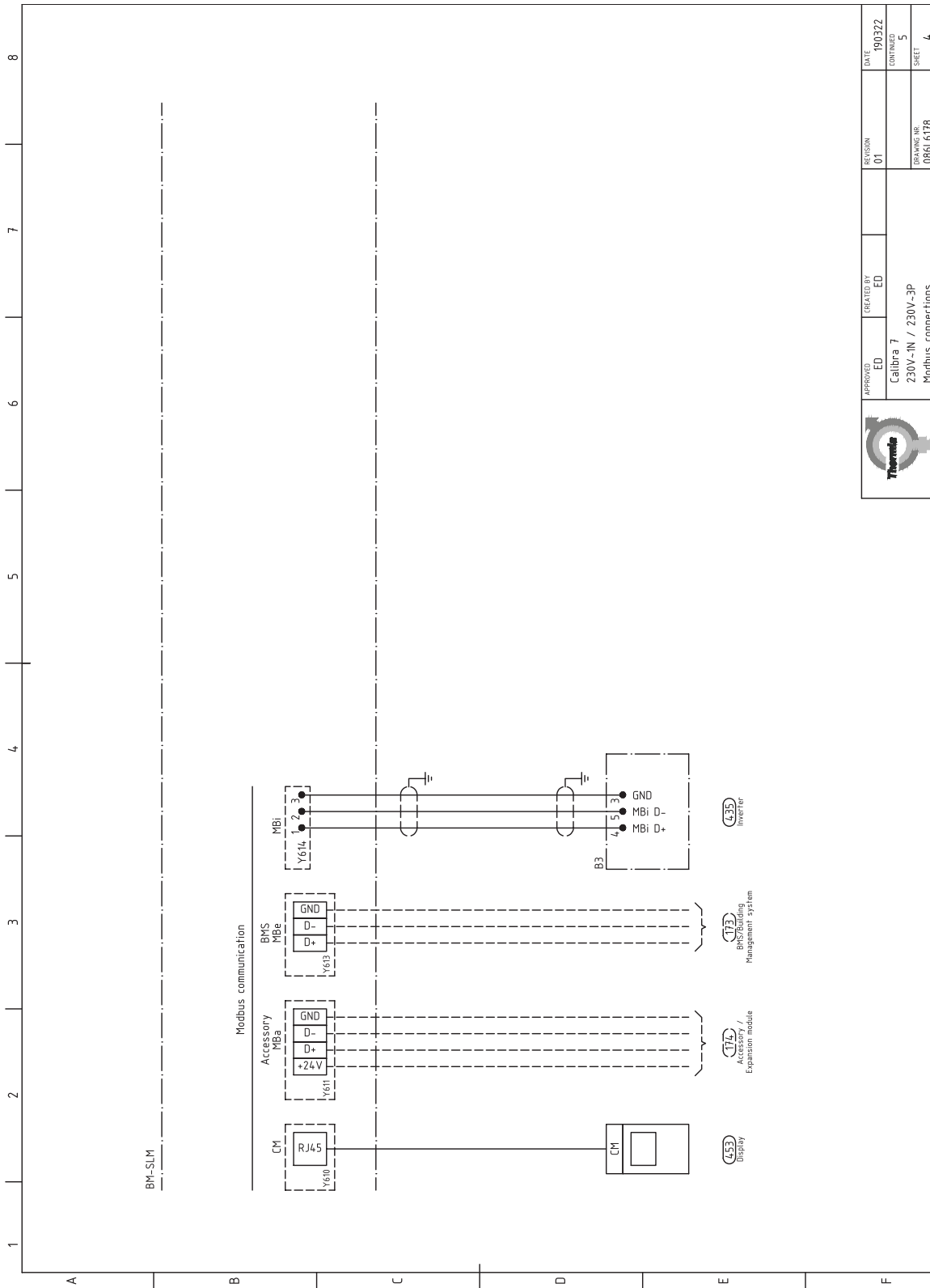
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Temp. connections						SHEET	3
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Wiring Diagram

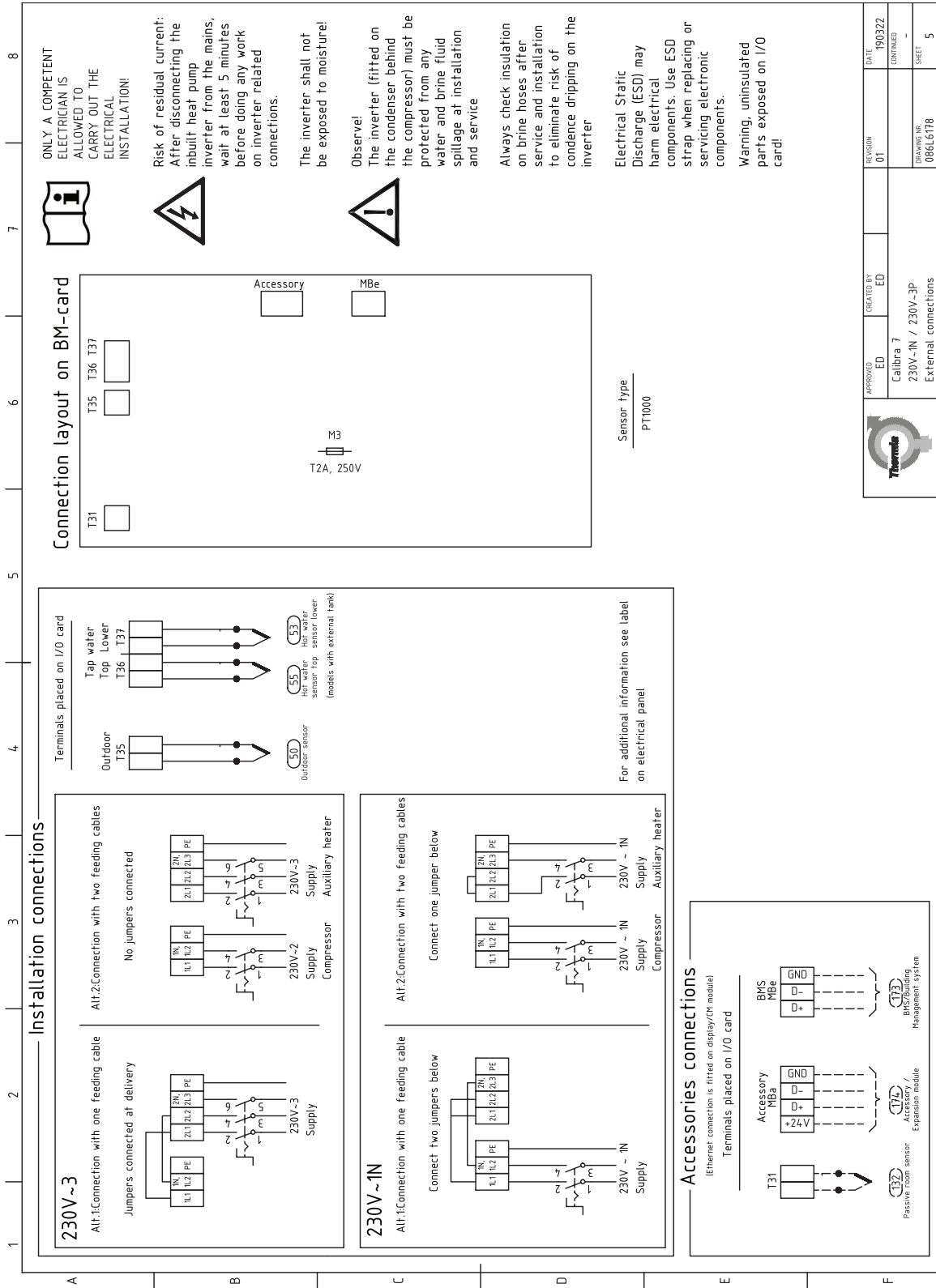
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					DRAWING NO.	086L6178		SHEET



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					SHEET	4

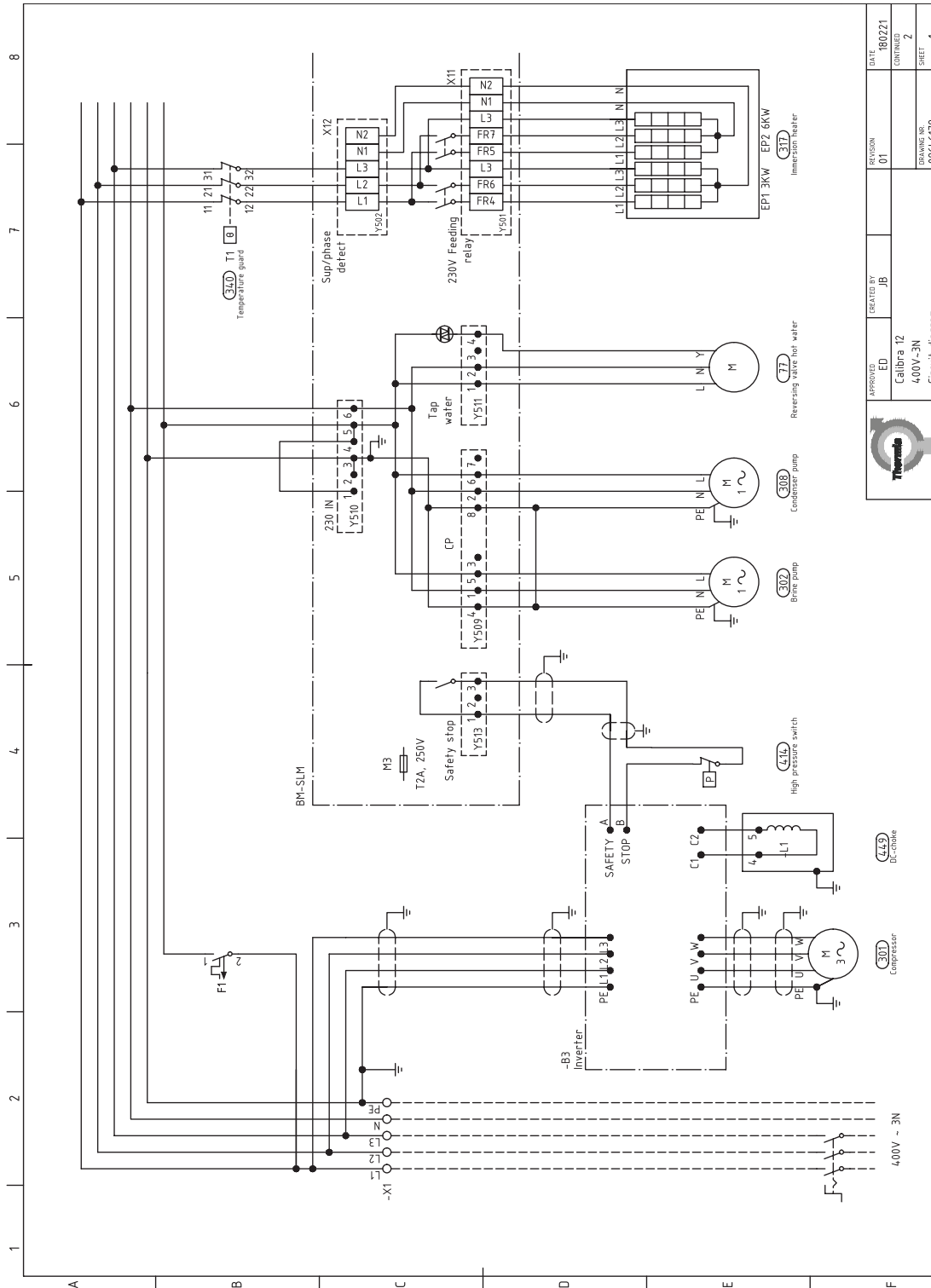


Wiring Diagram

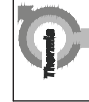
Calibra

4 Calibra 12 400V

4.1 Calibra 12 400V

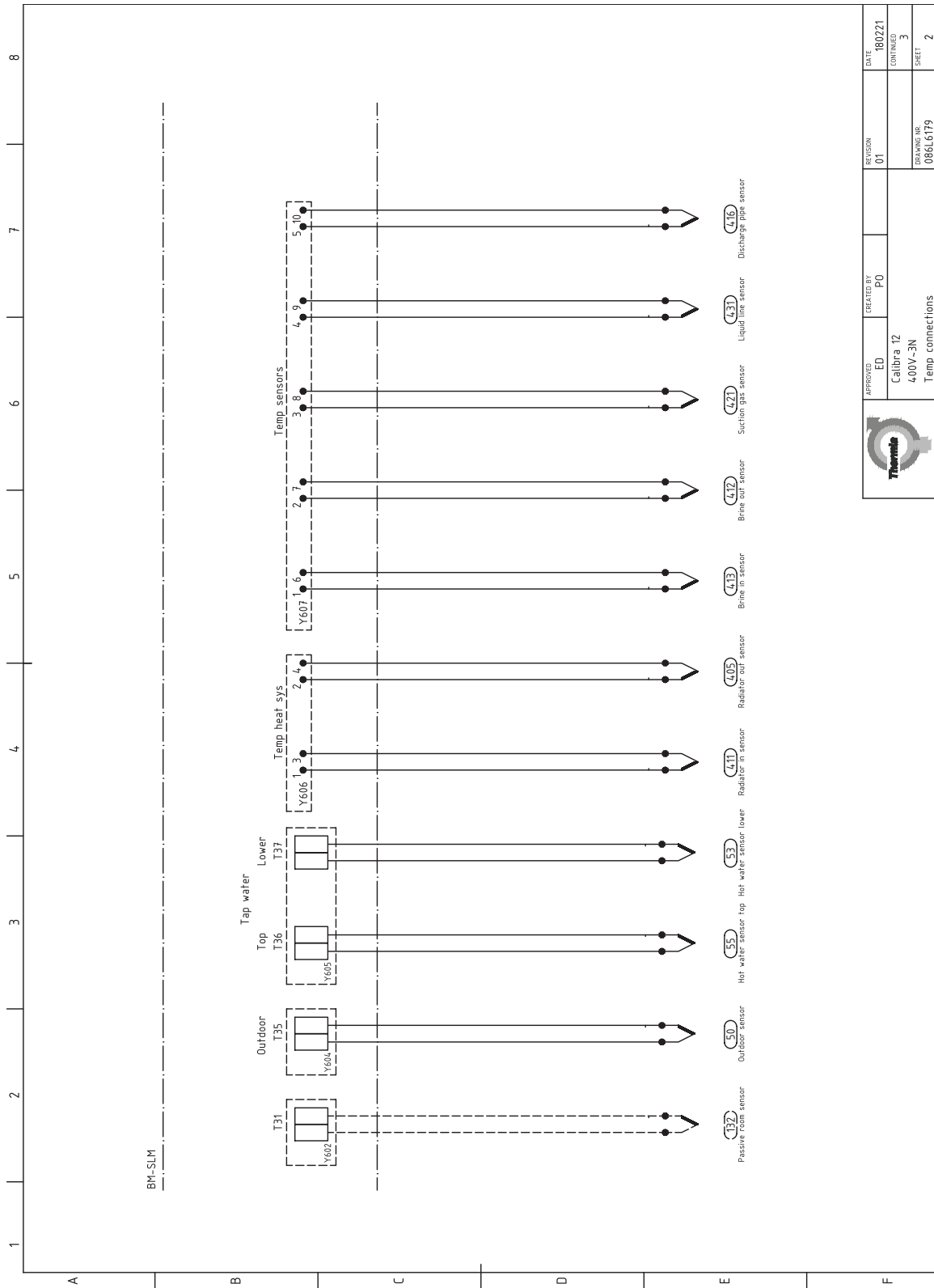


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APPROVED	ED
DRAWN BY	JB
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CONTR. NO.	086L6179
SHEET	2
SHEET	1

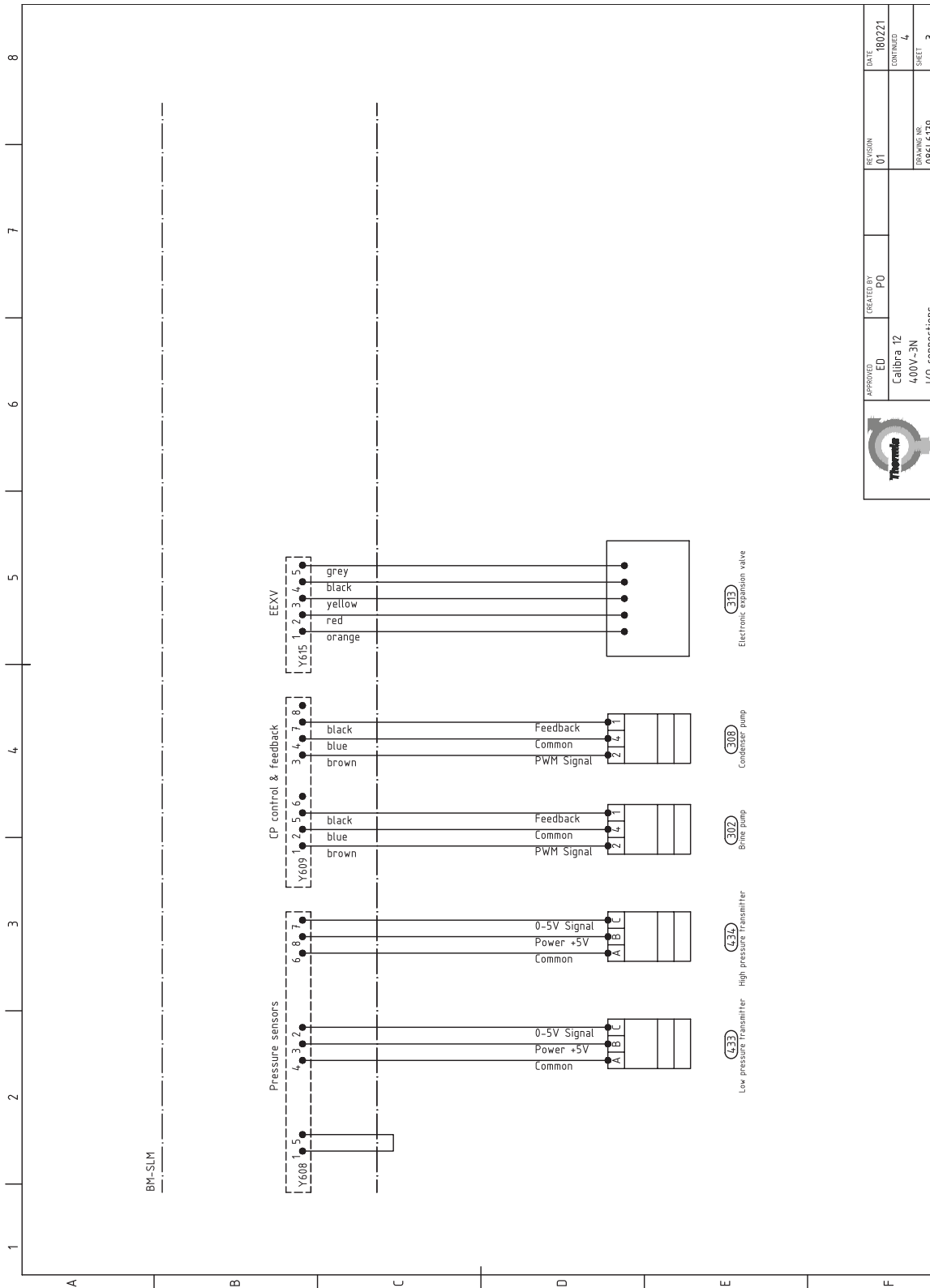


Wiring Diagram

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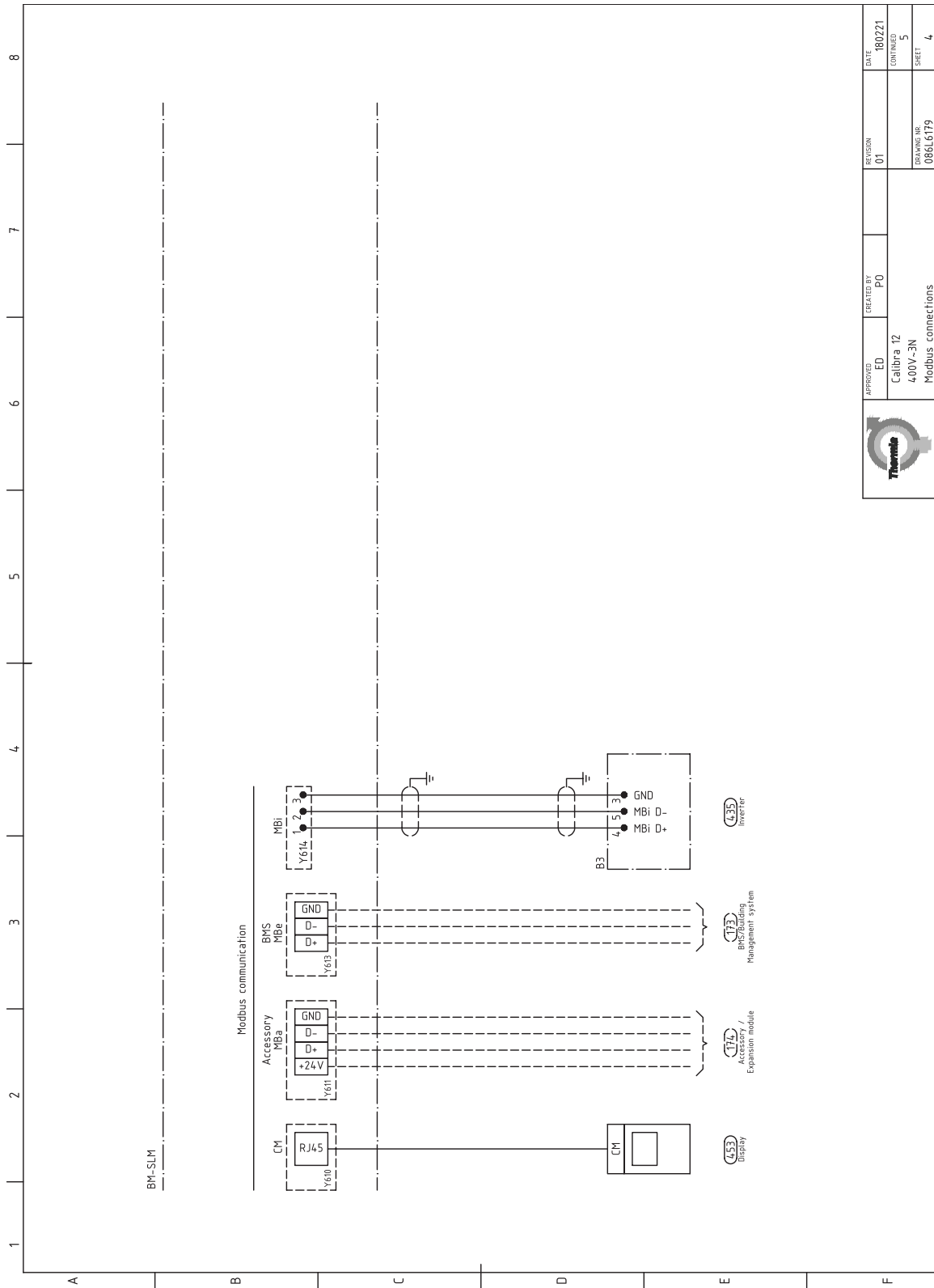
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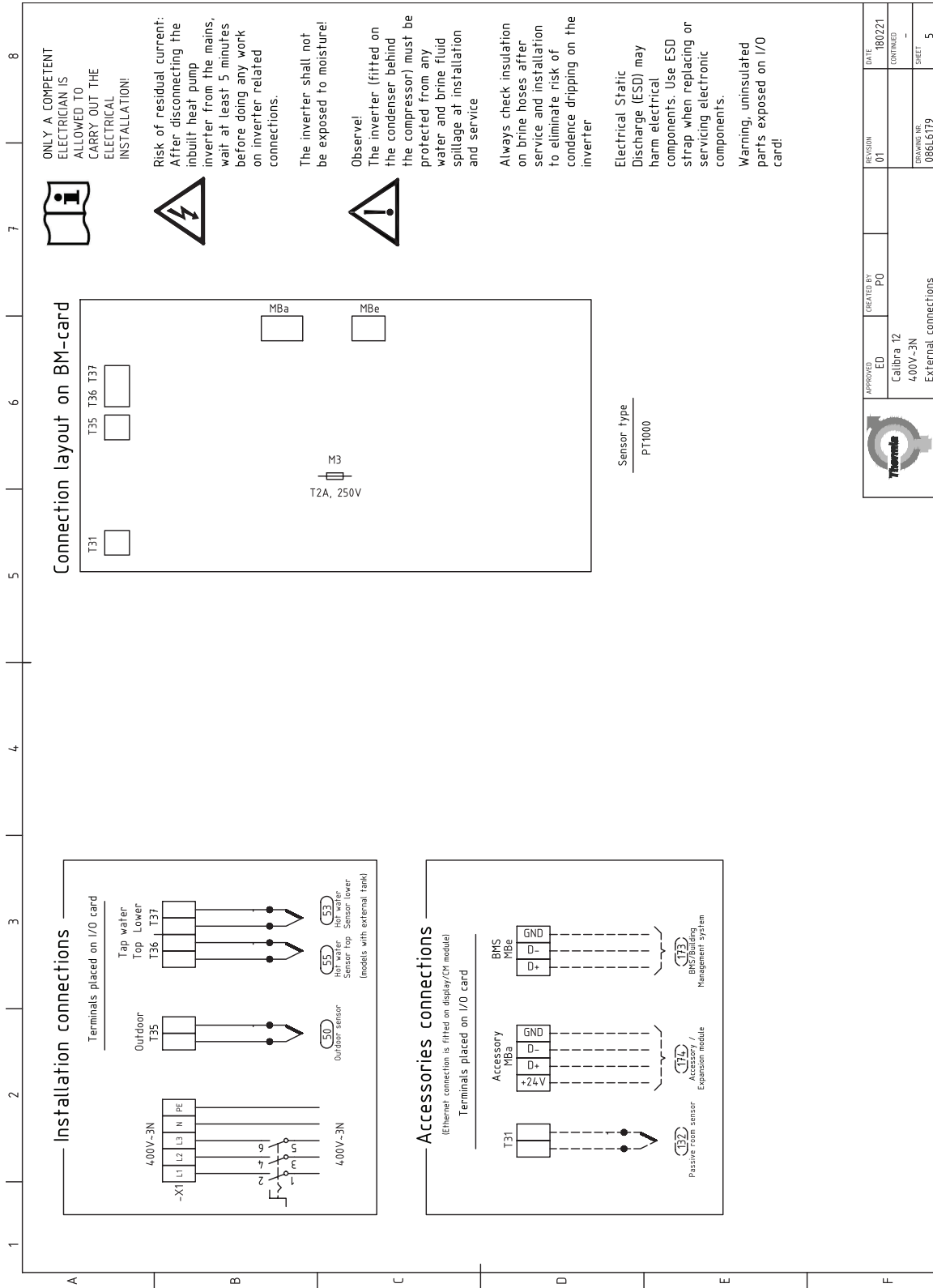
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I/O connections							SHEET	3

Wiring Diagram

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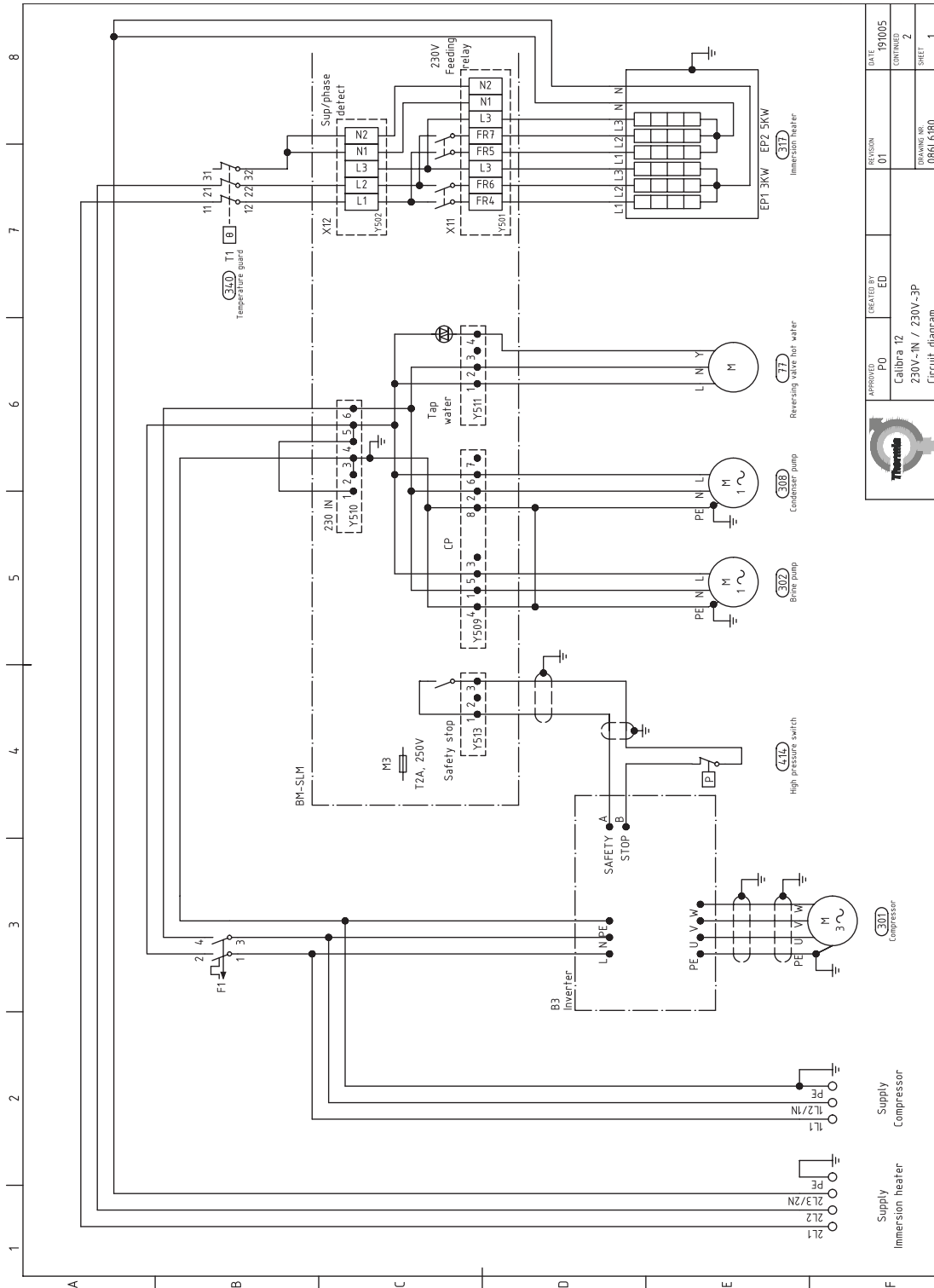


Wiring Diagram

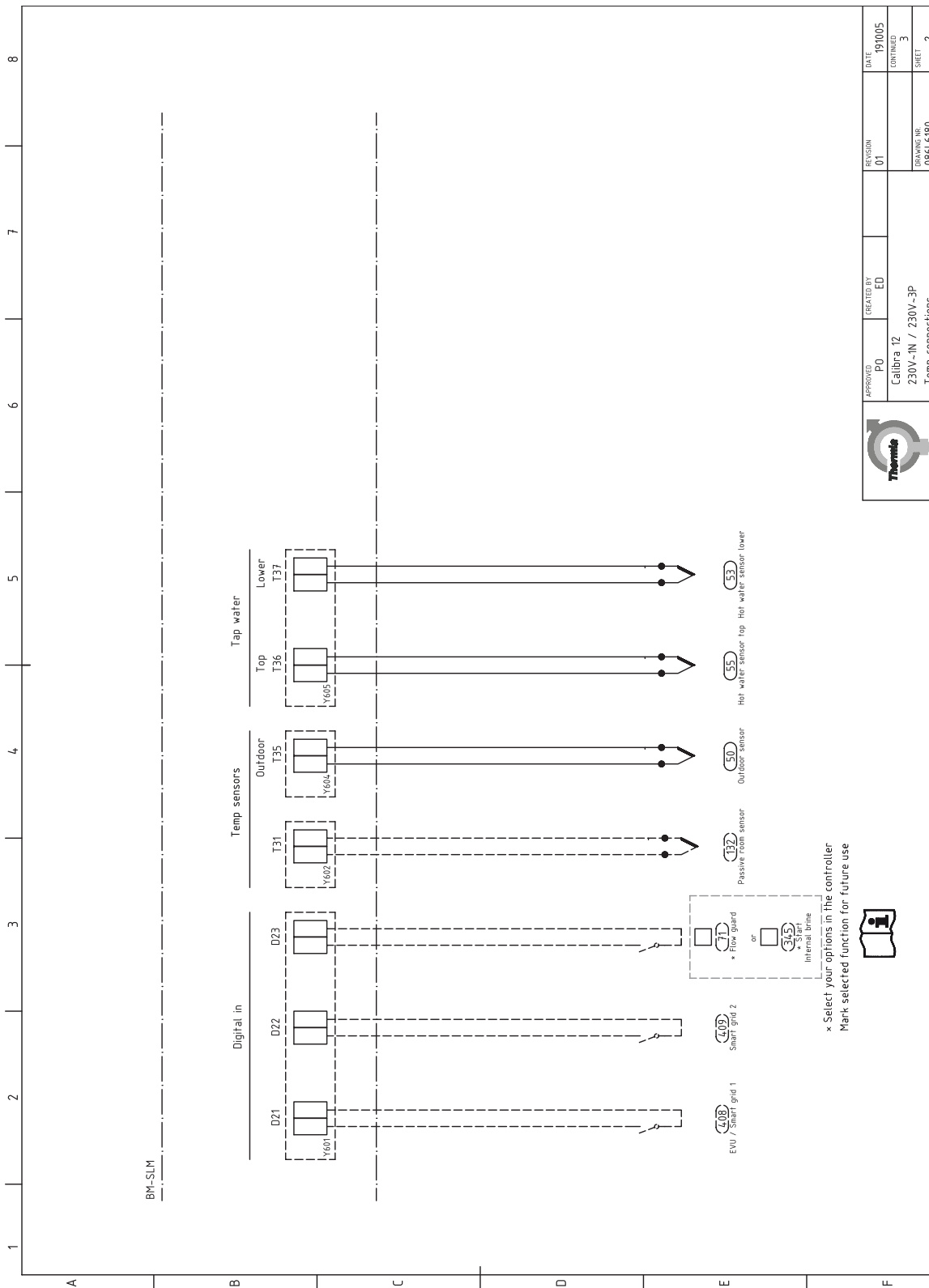
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5 Calibra 12 230V

5.1 Calibra 12 230V



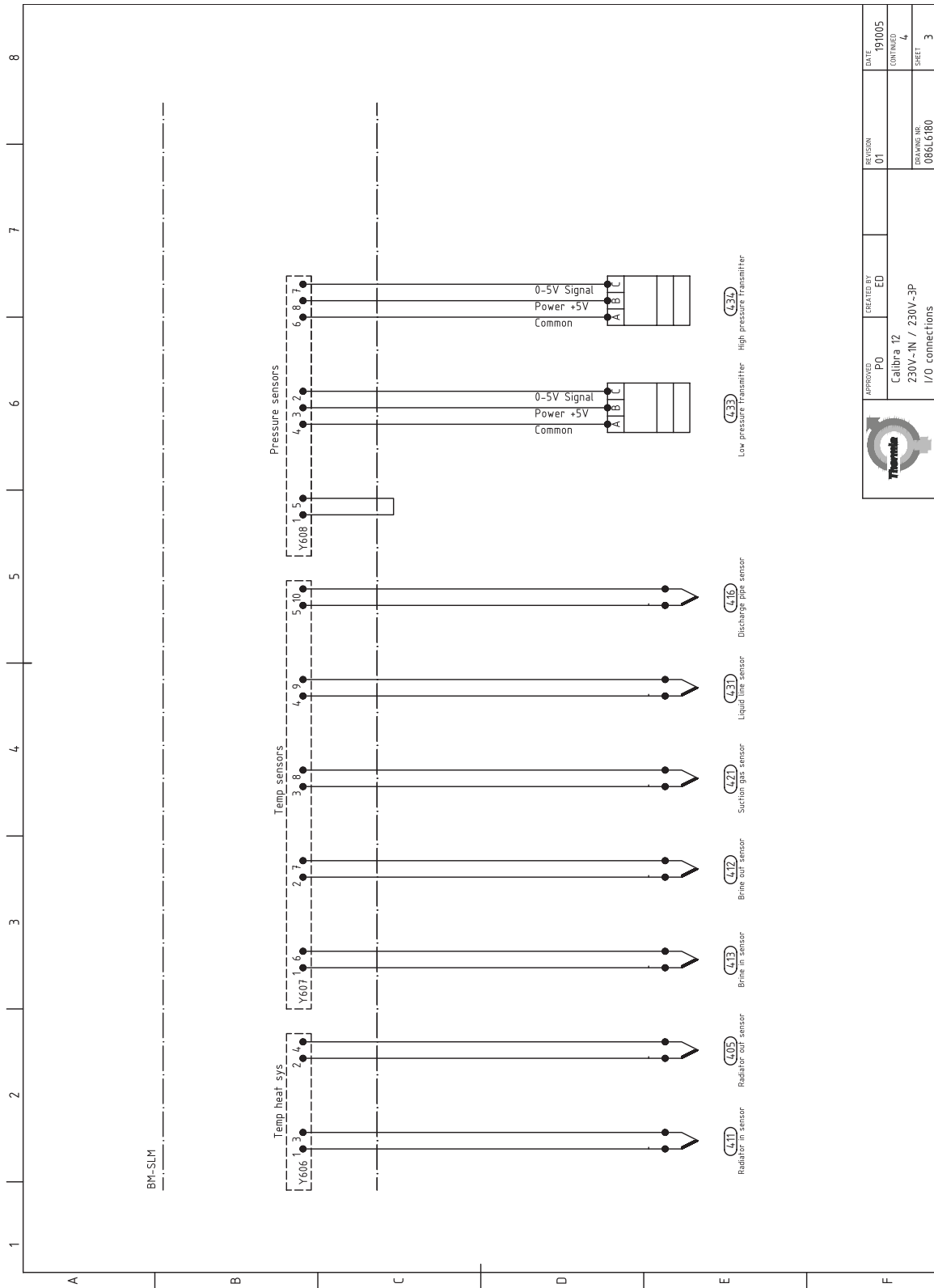
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230V-IN / 230V-3P		2
Circuit diagram		SHEET
DRAWING NR.		1
086L680		



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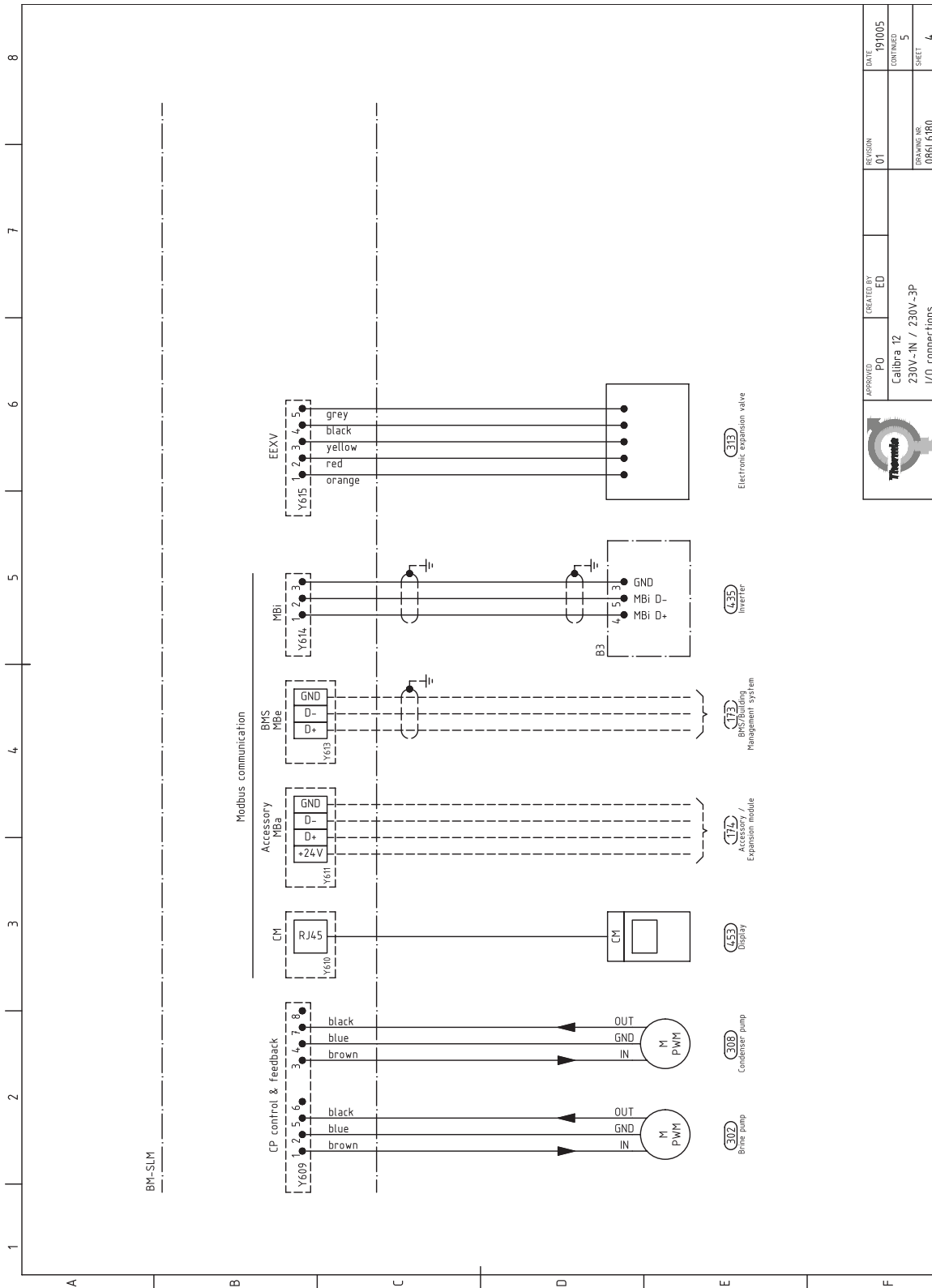
Wiring Diagram

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Wiring Diagram

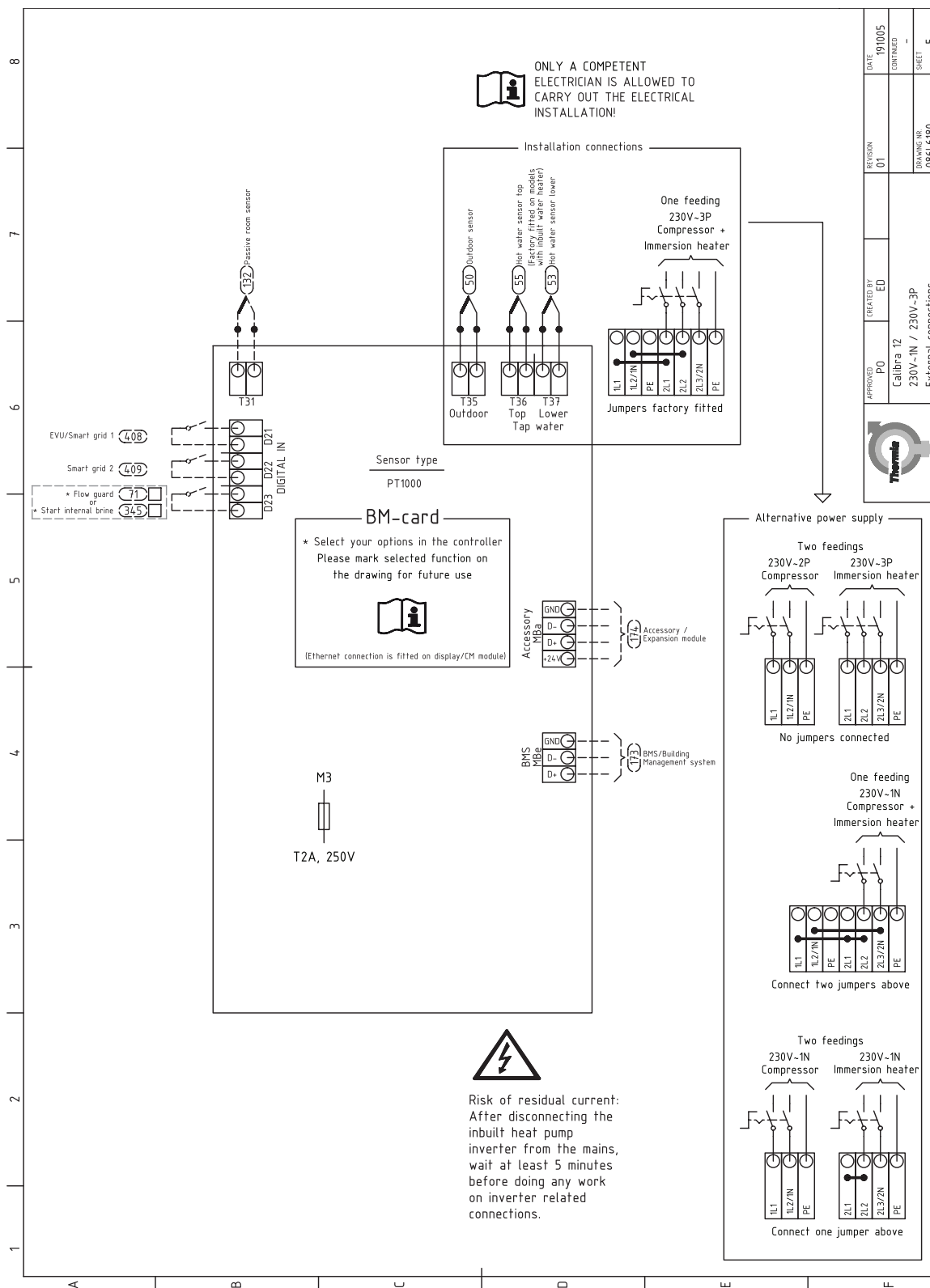
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							CONTINUED	5
							DRAWING NR	086L6780
							SHEET	4

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