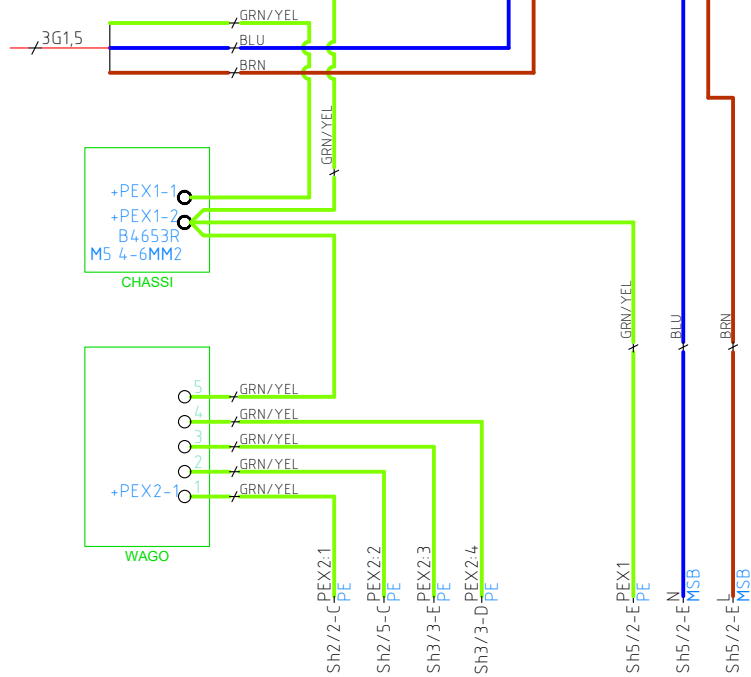
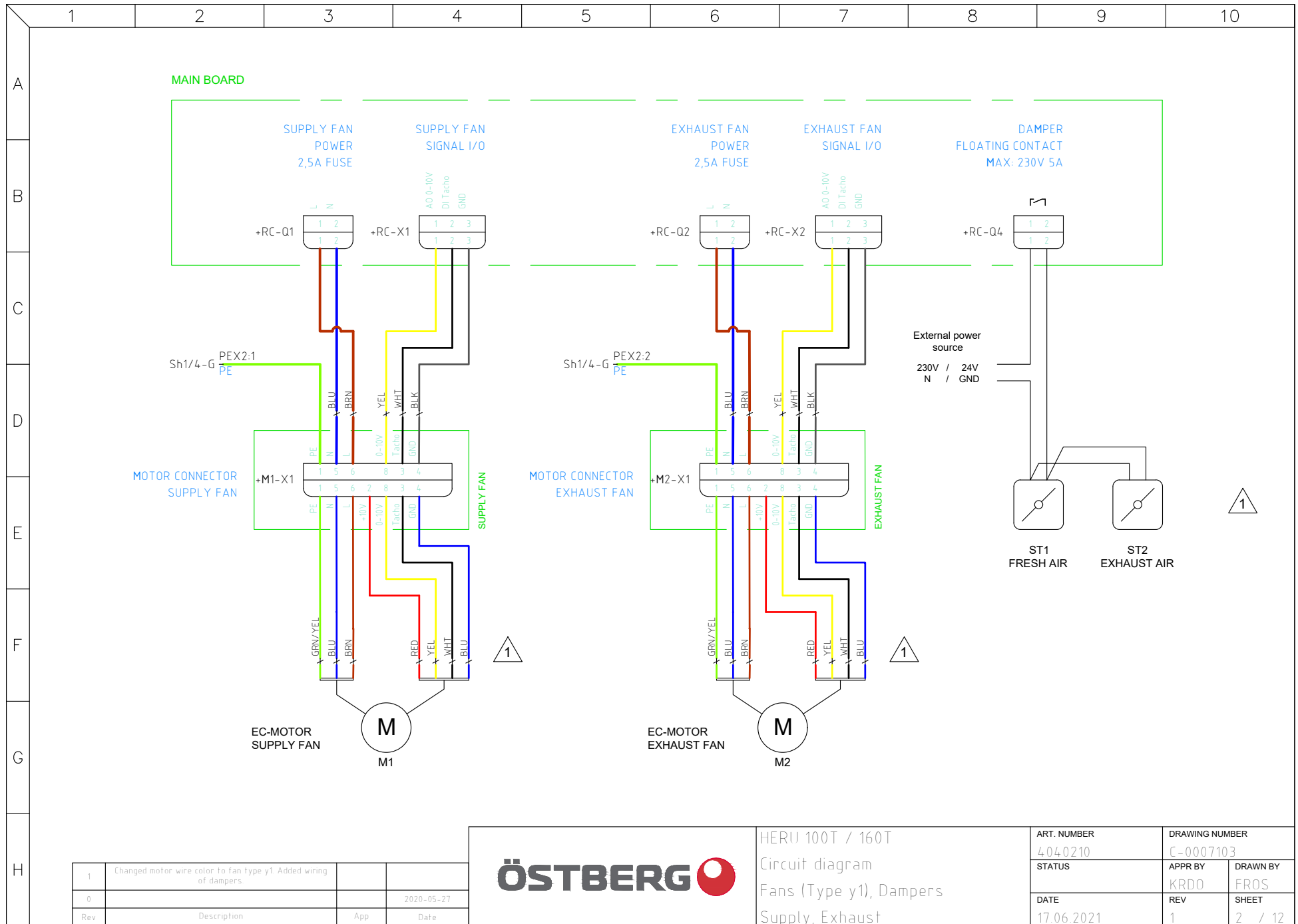


Main supply AHU
230V 50 Hz
10 A Fusing



HERU 100T / 160T
Circuit diagram
Power

ART. NUMBER 4040210	DRAWING NUMBER C-0007102	
STATUS	APPR BY KRDO	DRAWN BY FROS
DATE 16.06.2021	REV 0	SHEET 1 / 12

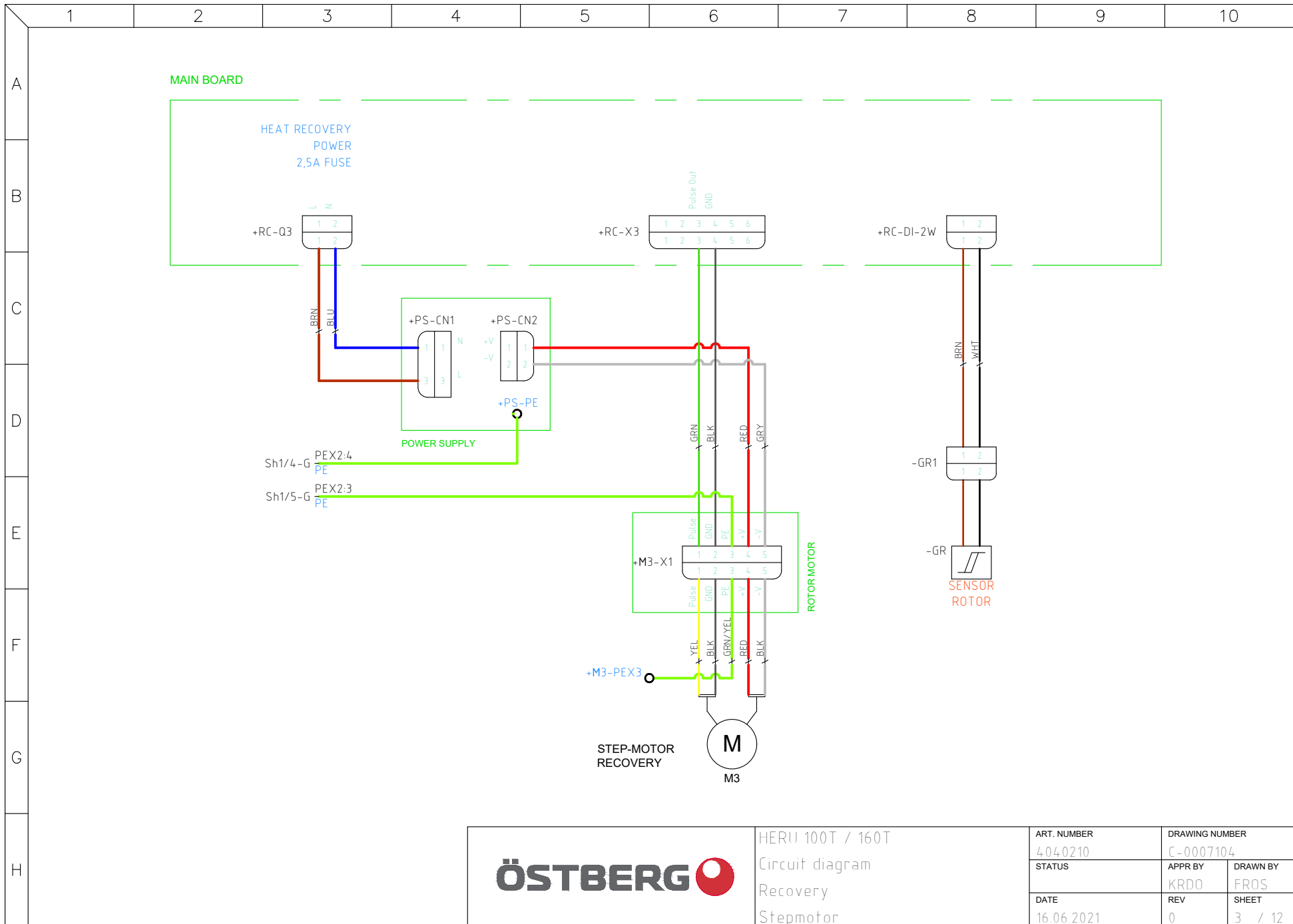


Rev	Description	App	Date
1	Changed motor wire color to fan type y1. Added wiring of dampers.		
0			2020-05-27



HERU 100T / 160T
 Circuit diagram
 Fans (Type y1), Dampers
 Supply, Exhaust

ART. NUMBER		DRAWING NUMBER	
4040210		C-0007103	
STATUS	APPR BY	DRAWN BY	
	KRDO	FROS	
DATE	REV	SHEET	
17.06.2021	1	2 / 12	



ÖSTBERG

HERU 100T / 160T

Circuit diagram

Recovery

Stepmotor

ART. NUMBER

4040210

STATUS

DATE

16.06.2021

DRAWING NUMBER

C-0007104

APPR BY

KRDO

REV

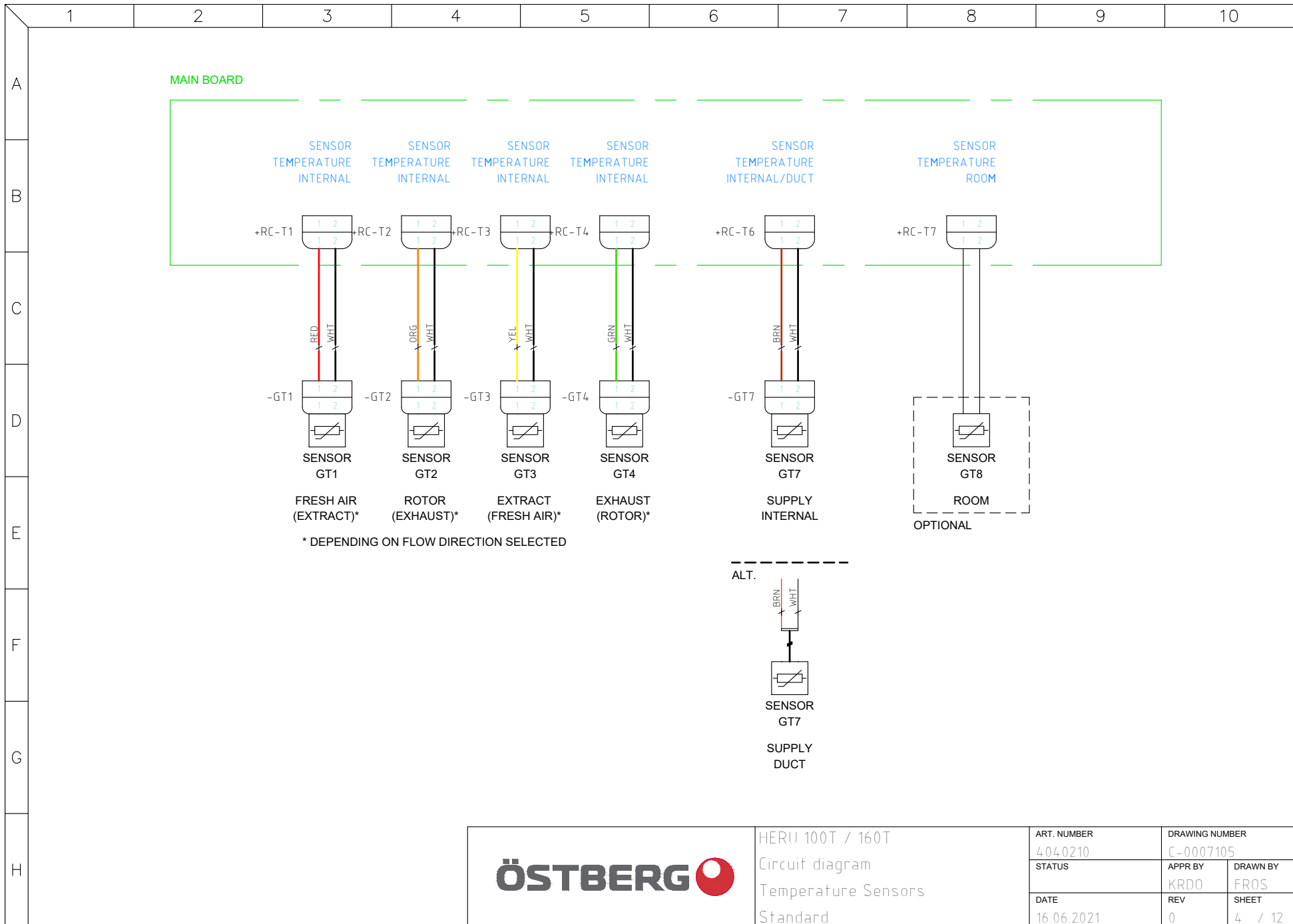
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DRAWN BY

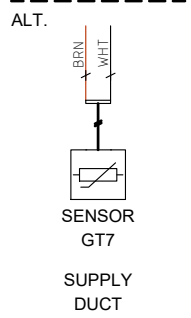
FRÖS

SHEET

3 / 12

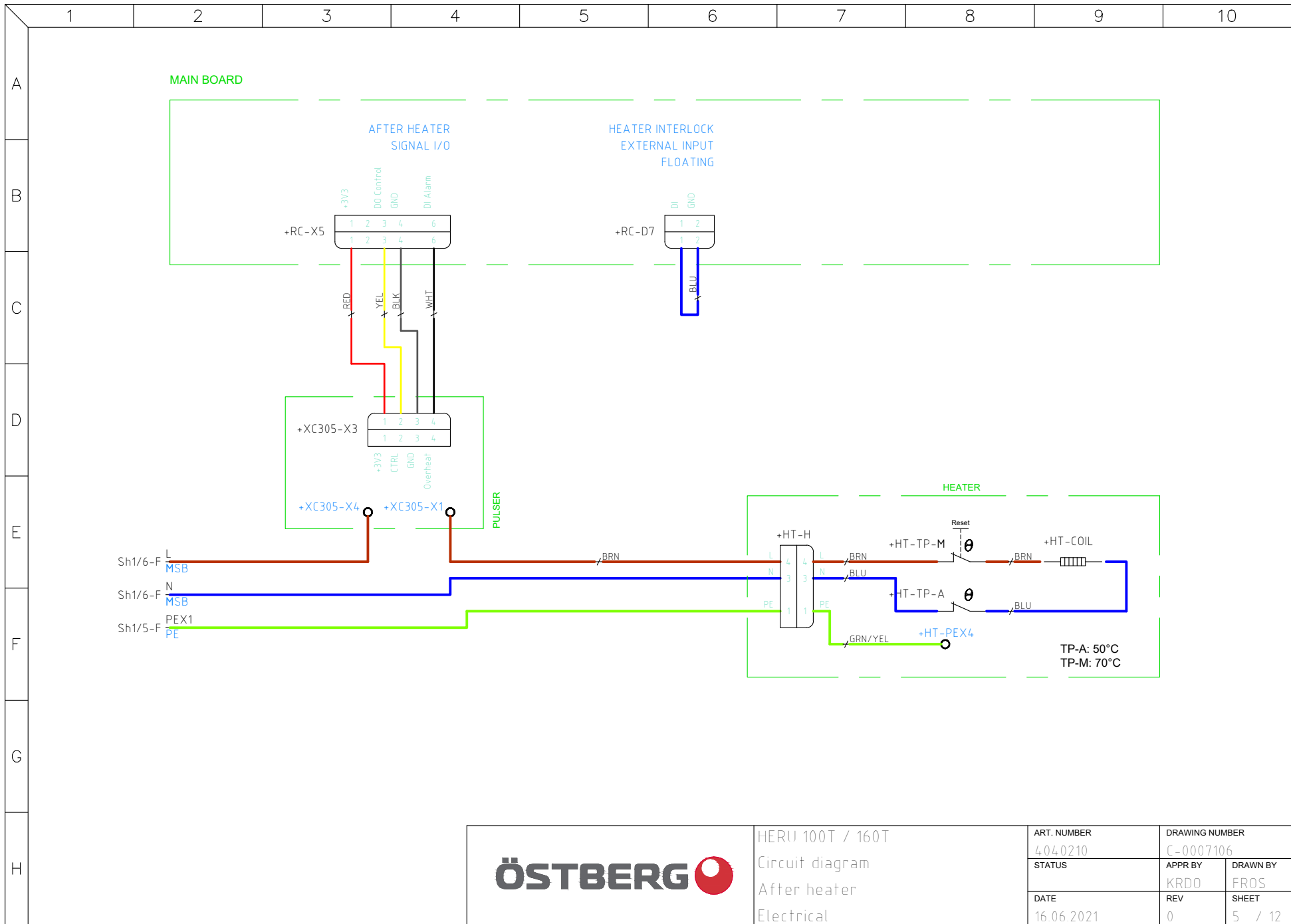


* DEPENDING ON FLOW DIRECTION SELECTED



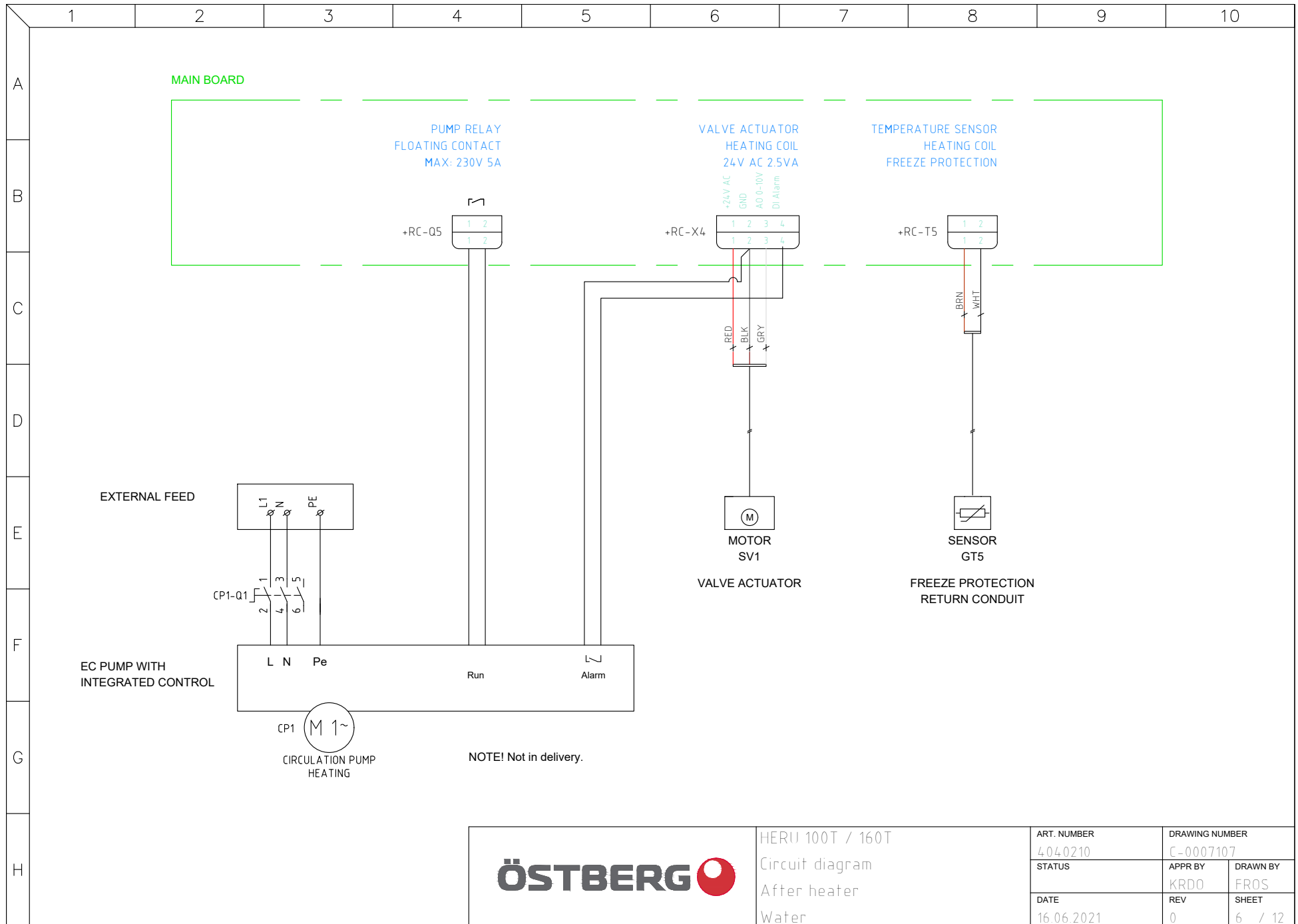
HERU 100T / 160T
Circuit diagram
Temperature Sensors
Standard


ART. NUMBER 4040210	DRAWING NUMBER C-0007105	
STATUS	APPR BY KRDO	DRAWN BY FROS
DATE 16.06.2021	REV 0	SHEET 4 / 12

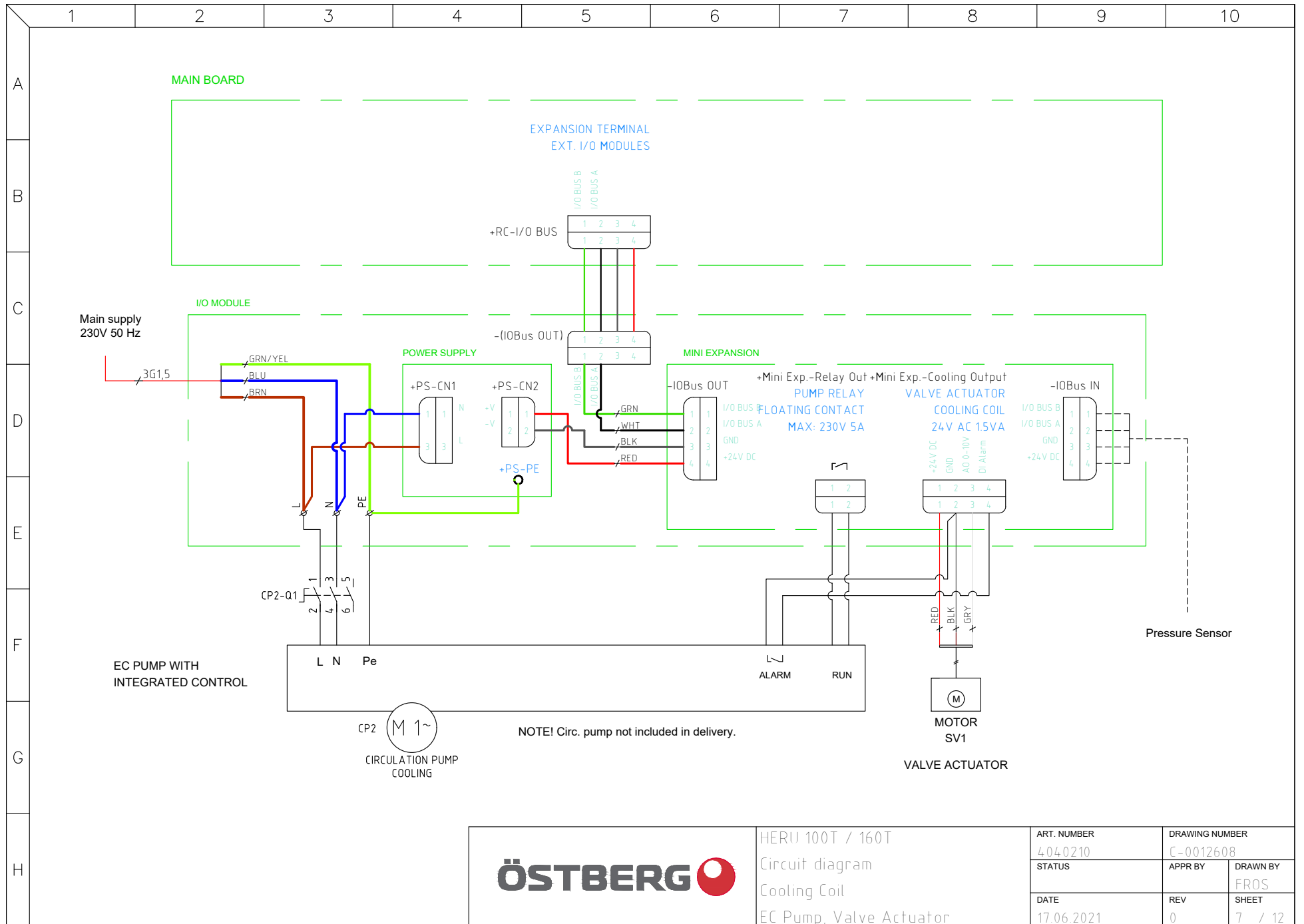


HERU 100T / 160T
Circuit diagram
After heater
Electrical

ART. NUMBER 4040210	DRAWING NUMBER C-0007106	
STATUS	APPR BY KRDO	DRAWN BY FROS
DATE 16.06.2021	REV 0	SHEET 5 / 12

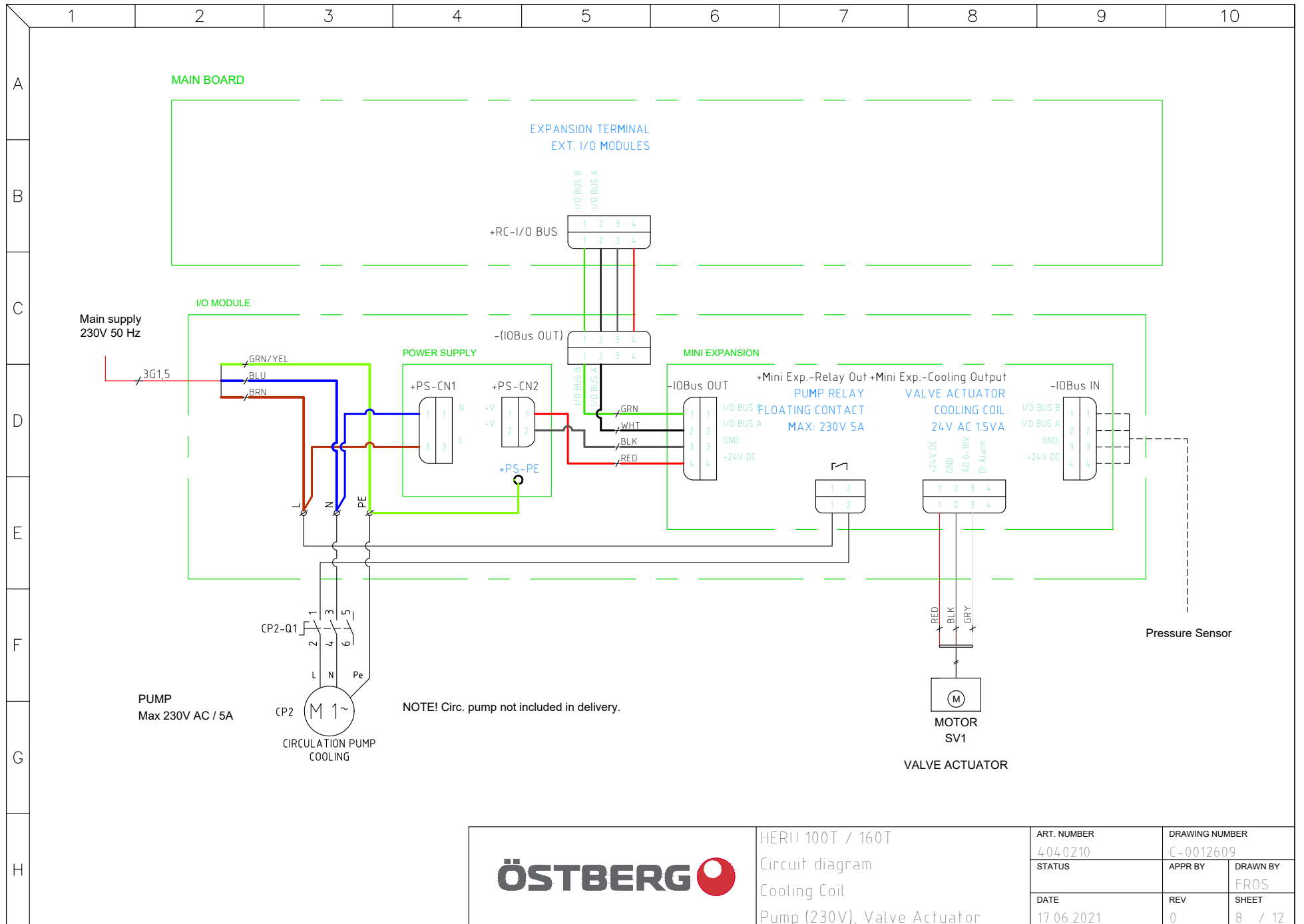


	ART. NUMBER		DRAWING NUMBER	
	4040210		C-0007107	
	STATUS		APPR BY	DRAWN BY
		KRDO	FROS	
DATE		REV	SHEET	
16.06.2021		0	6 / 12	



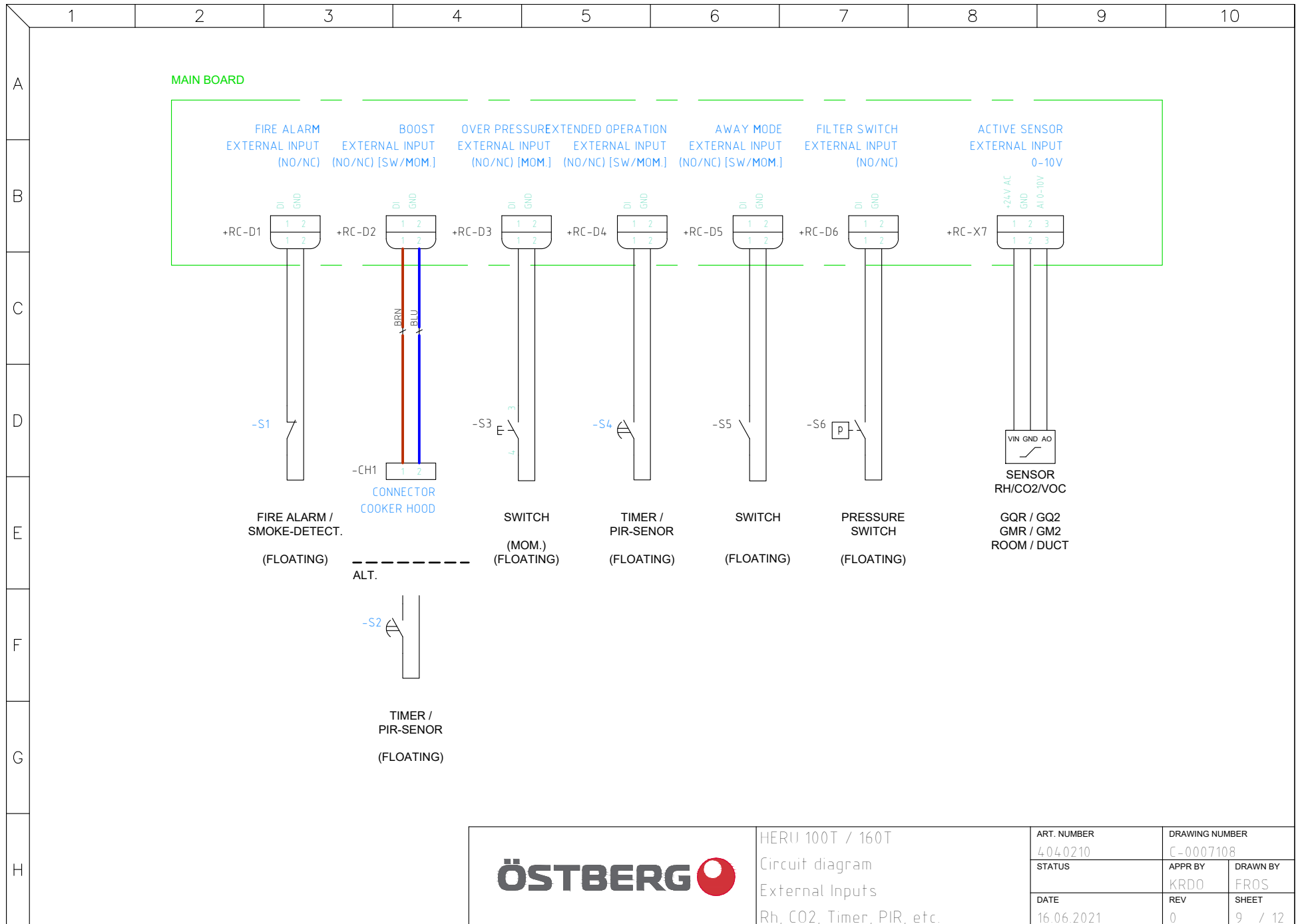
HERU 100T / 160T
Circuit diagram
Cooling Coil
EC Pump, Valve Actuator

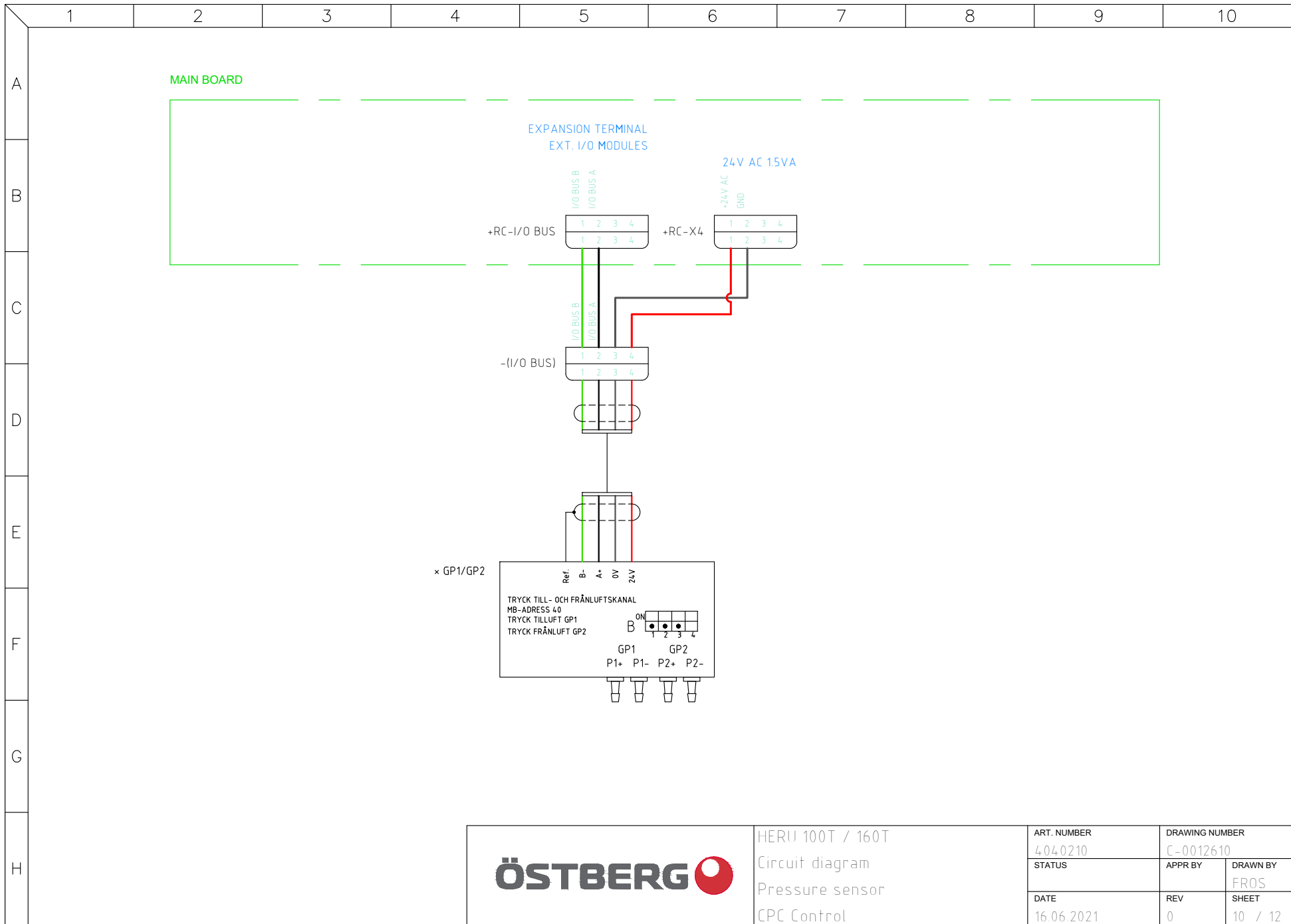
ART. NUMBER 4040210	DRAWING NUMBER C-0012608	
STATUS	APPR BY	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 7 / 12



HERU 100T / 160T
 Circuit diagram
 Cooling Coil
 Pump (230V), Valve Actuator

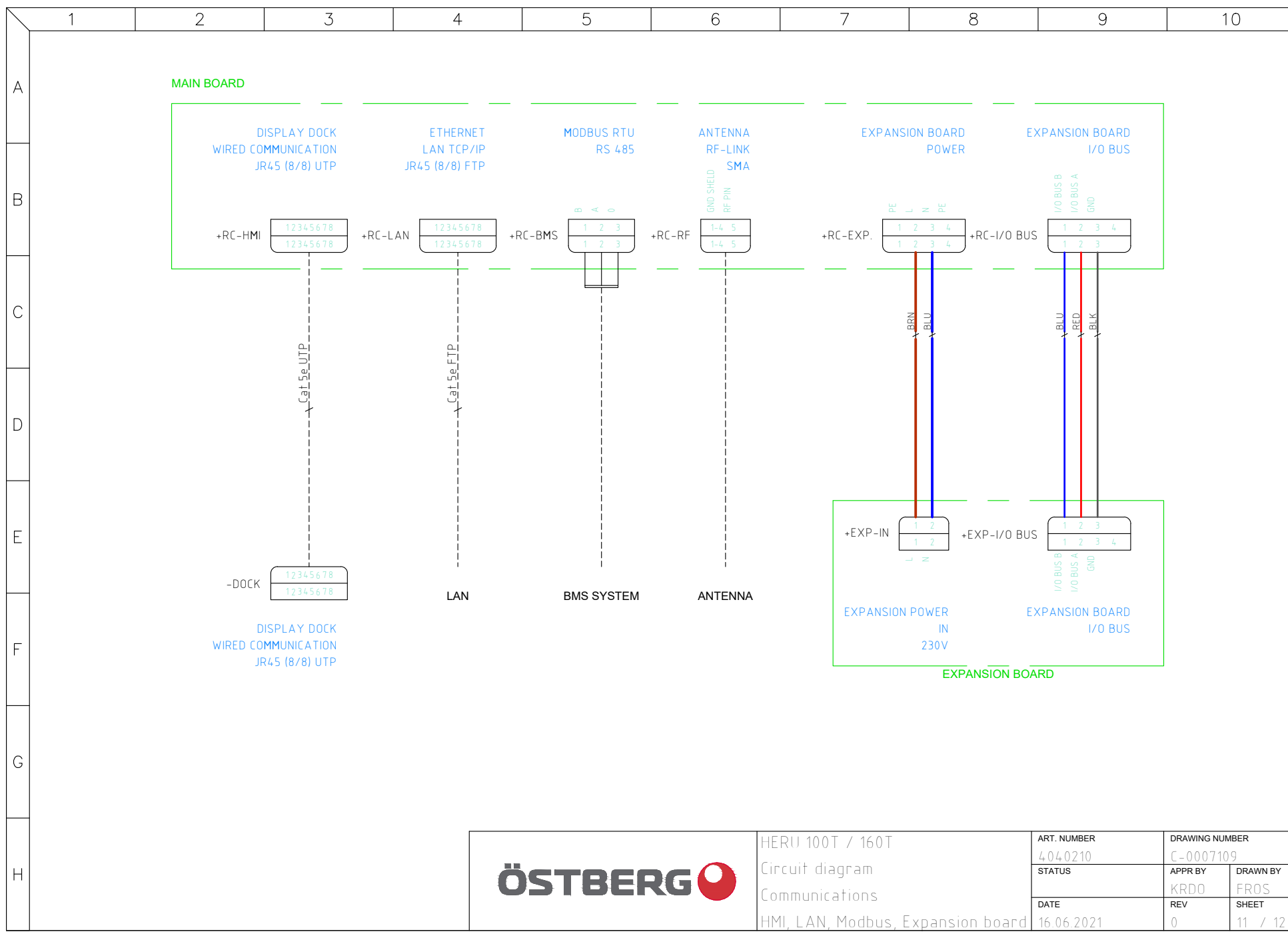
ART. NUMBER	DRAWING NUMBER	
4040210	C-0012609	
STATUS	APPR BY	DRAWN BY
		FROS
DATE	REV	SHEET
17.06.2021	0	8 / 12





HERU 100T / 160T
 Circuit diagram
 Pressure sensor
 CPC Control

ART. NUMBER	DRAWING NUMBER	
4040210	C-0012610	
STATUS	APPR BY	DRAWN BY
		FROS
DATE	REV	SHEET
16.06.2021	0	10 / 12



HERU 100T / 160T
 Circuit diagram
 Communications
 HMI, LAN, Modbus, Expansion board

ART. NUMBER	DRAWING NUMBER	
4040210	C-0007109	
STATUS	APPR BY	DRAWN BY
	KRDO	FROS
DATE	REV	SHEET
16.06.2021	0	11 / 12

	1	2	3	4	5	6	7	8	9	10
A										
B	SH1	IECCMP1	PIN1	WLAY1	SH2	IECCMP2	PIN2	SH1	IECCMP2	PIN2
	1	+PEX1-2	1	RQ 1.5mm2-GRNYEL	5	+HT-H	1	5	+RC-D7	2
C	1	+RC-MSb	1	RQ 1.5mm2-BLU	5	+HT-H	3	5	+RC-X5	1
	1	+PEX2-1	1	UL 1007-AWG 20-GRNYEL	2	+M1-X1	1	5	+RC-X5	3
D	1	+PEX2-1	2	UL 1007-AWG 20-GRNYEL	2	+M2-X1	1	5	+RC-X5	4
	1	+PEX2-1	3	UL 1007-AWG 20-GRNYEL	3	+M3-X1	3	5	+RC-D2	1
E	1	PLUG		RQ 1.5mm2-GRNYEL	1	+PEX1-1		7	+RC-D2	7
	1	+RC-PE	1	RQ 1.5mm2-GRNYEL	1	+PEX1-2		7	+RC-D2	2
F	1	+PEX1-2	1	RQ 1.5mm2-GRNYEL	1	+PEX2-1	5	8	+RC-I/O BUS	1
	1	+PEX2-1	4	UL 1007-AWG 20-GRNYEL	3	+PS-PE		8	+RC-I/O BUS	2
G	1	PLUG		RQ 1.5mm2-BLU	1	+RC-MSa	1	8	+RC-I/O BUS	3
	1	PLUG		RQ 1.5mm2-BRN	1	+RC-MSa	2	8	+RC-EXP.	2
H	1	+RC-MSb	2	RQ 1.5mm2-BRN	5	+XC305-X4		8	+RC-EXP.	3
	2	+RC-Q1	1	UL 1007-AWG 20-BRN	2	+M1-X1	6			
A	2	+RC-Q1	2	UL 1007-AWG 20-BLU	2	+M1-X1	5			
	2	+RC-X1	1	UL 1007-AWG 22-YEL	2	+M1-X1	8			
B	2	+RC-X1	2	UL 1007-AWG 22-WHT	2	+M1-X1	3			
	2	+RC-X1	3	UL 1007-AWG 22-BLK	2	+M1-X1	4			
C	2	+RC-Q2	1	UL 1007-AWG 20-BRN	2	+M2-X1	6			
	2	+RC-Q2	2	UL 1007-AWG 20-BLU	2	+M2-X1	5			
D	2	+RC-X2	1	UL 1007-AWG 22-YEL	2	+M2-X1	8			
	2	+RC-X2	2	UL 1007-AWG 22-WHT	2	+M2-X1	3			
E	2	+RC-X2	3	UL 1007-AWG 22-BLK	2	+M2-X1	4			
	3	+M3-X1	3	UL 1007-AWG 20-GRNYEL	3	+M3-PEX3				
F	3	+PS-CN2	1	UL 1007-AWG 20-RED	3	+M3-X1	4			
	3	+PS-CN2	2	UL 1007-AWG 20-GRY	3	+M3-X1	5			
G	3	+RC-X3	3	UL 1007-AWG 22-GRN	3	+M3-X1	1			
	3	+RC-X3	4	UL 1007-AWG 22-BLK	3	+M3-X1	2			
H	3	+RC-DI-2W	1	UL 1007-AWG 22-BRN	3	-GR1	1			
	3	+RC-DI-2W	2	UL 1007-AWG 22-WHT	3	-GR1	2			
A	4	+RC-T1	1	UL 1007-AWG 22-RED	4	-GT1	1			
	4	+RC-T1	2	UL 1007-AWG 22-WHT	4	-GT1	2			
B	4	+RC-T2	1	UL 1007-AWG 22-ORG	4	-GT2	1			
	4	+RC-T2	2	UL 1007-AWG 22-WHT	4	-GT2	2			
C	4	+RC-T3	1	UL 1007-AWG 22-YEL	4	-GT3	1			
	4	+RC-T3	2	UL 1007-AWG 22-WHT	4	-GT3	2			
D	4	+RC-T4	1	UL 1007-AWG 22-GRN	4	-GT4	1			
	4	+RC-T4	2	UL 1007-AWG 22-WHT	4	-GT4	2			
E	4	+RC-T6	1	UL 1007-AWG 22-BRN	4	-GT7	1			
	4	+RC-T6	2	UL 1007-AWG 22-WHT	4	-GT7	2			
F	5	+HT-TP-M		RQ 1.5mm2-BRN	5	+HT-COIL				
	5	+XC305-X1		RQ 1.5mm2-BRN	5	+HT-H	4			
G	5	+HT-H	1	RQ 1.5mm2-GRNYEL	5	+HT-PEX4				
	5	+HT-COIL		RQ 1.5mm2-BLU	5	+HT-TP-A				
H	5	+HT-H	3	RQ 1.5mm2-BLU	5	+HT-TP-A				
	5	+HT-H	4	RQ 1.5mm2-BRN	5	+HT-TP-M				



HERU 100T / 160T
Circuit diagram
Wire Run List

ART. NUMBER	DRAWING NUMBER	
4040210	C-0007110	
STATUS	APPR BY	DRAWN BY
	KRDO	FROS
DATE	REV	SHEET
16.06.2021	0	12 / 12