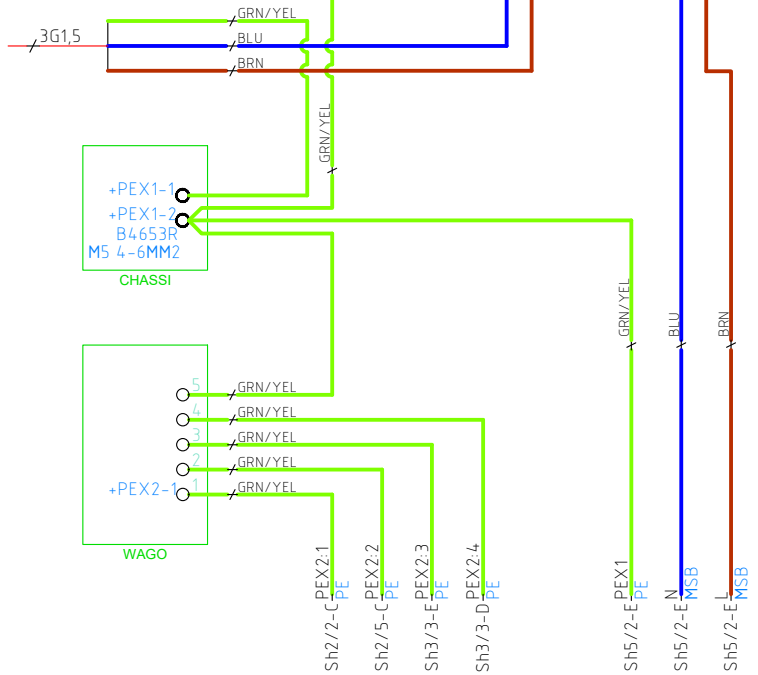
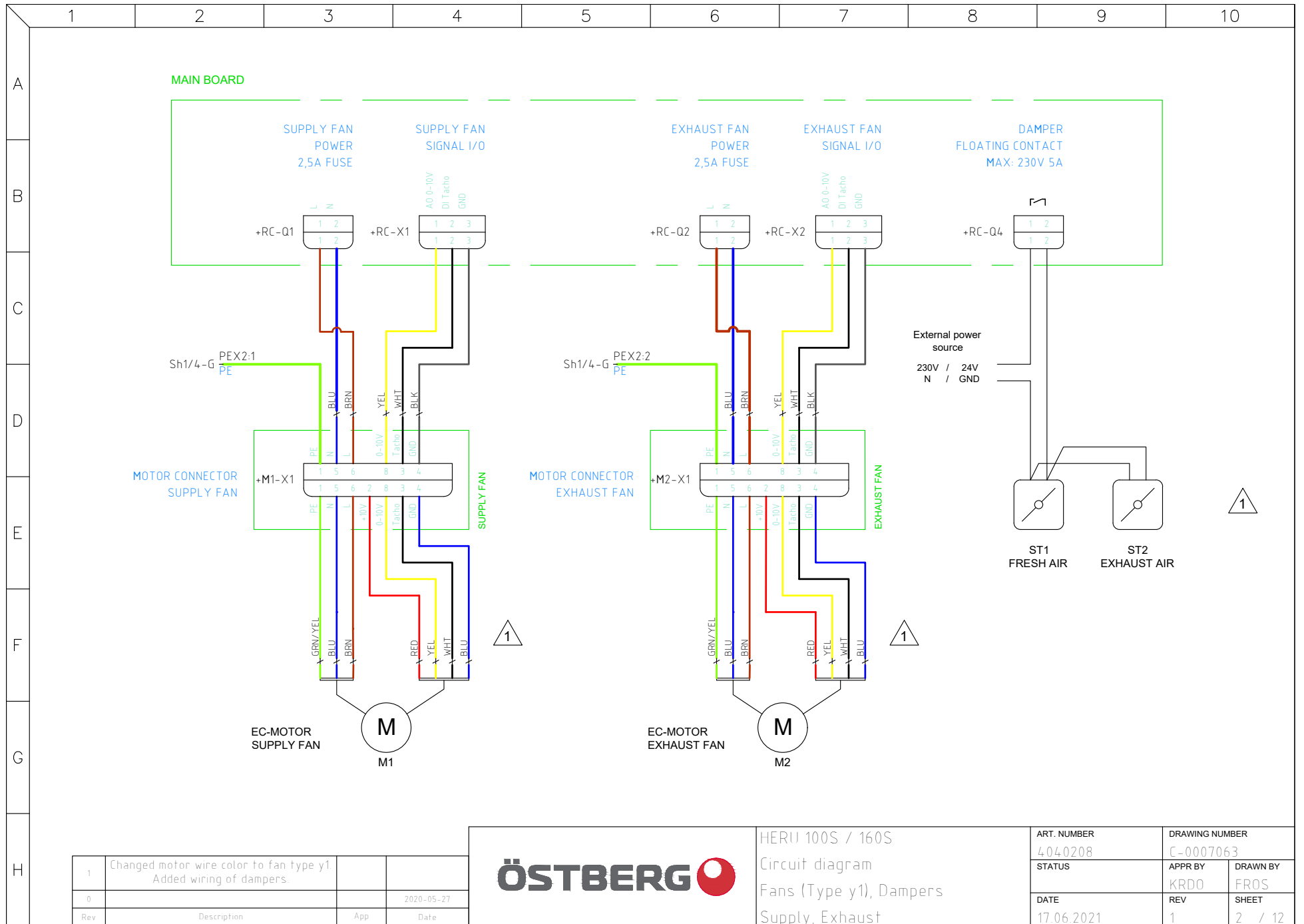


Main supply AHU
230V 50 Hz
10 A Fusing



HERU 100S / 160S
Circuit diagram
Power

ART. NUMBER 4040208	DRAWING NUMBER C-0007062	
STATUS	APPR BY KRDO	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 1 / 12



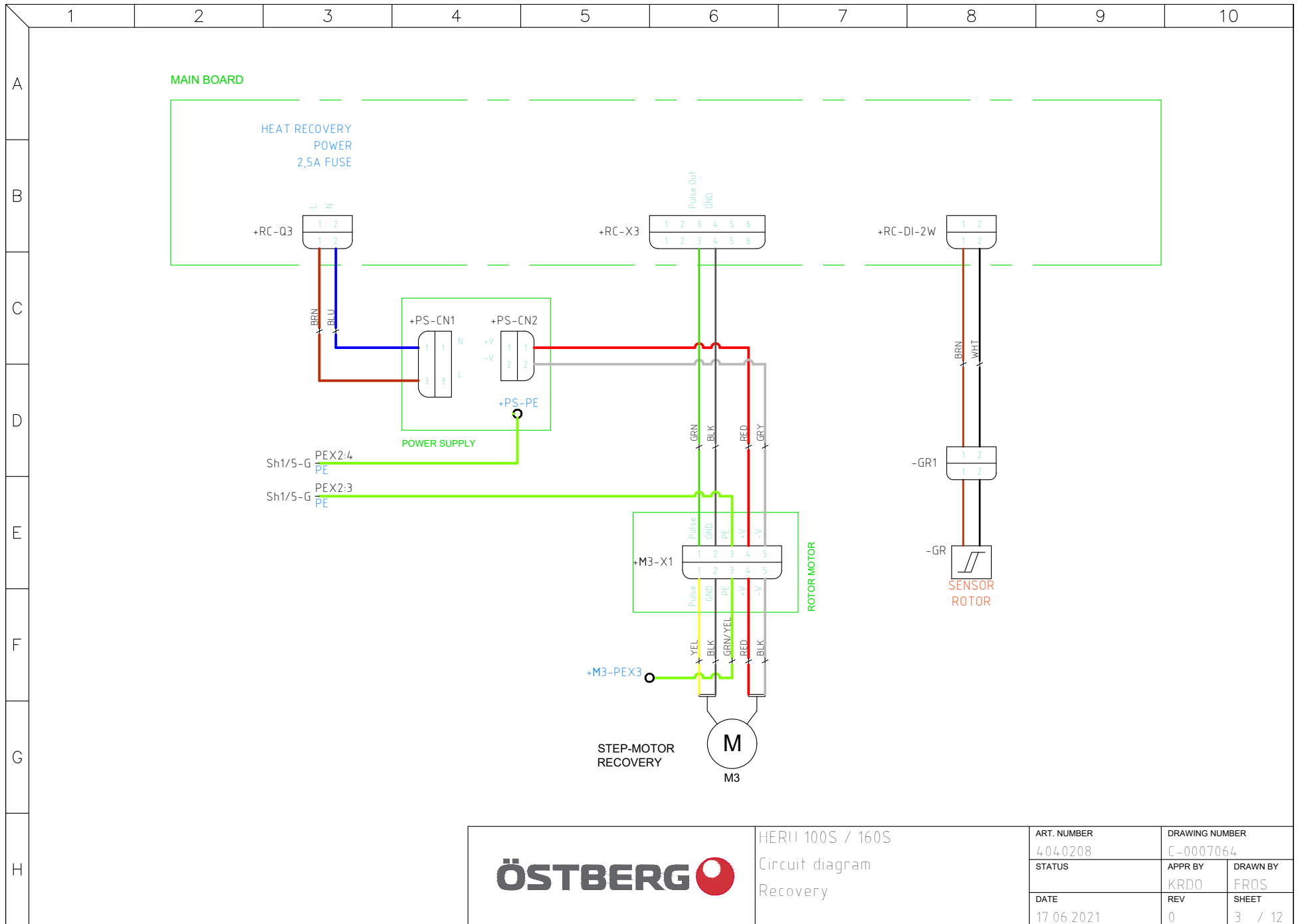
Rev	Description	App	Date
1	Changed motor wire color to fan type y1 Added wiring of dampers.		
0			2020-05-27



HERU 100S / 160S

Circuit diagram
Fans (Type y1), Dampers
Supply, Exhaust

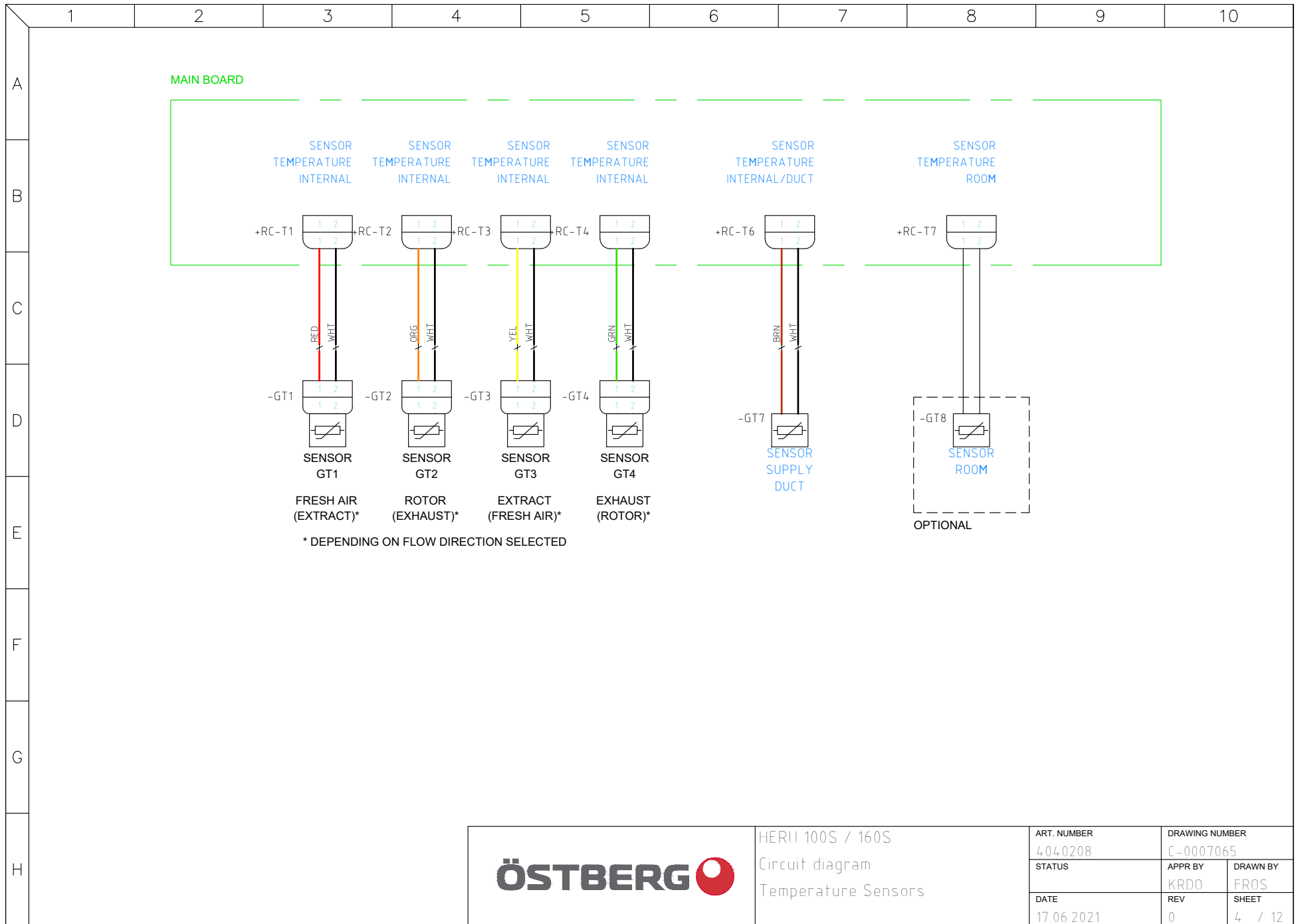
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4040208		C-0007063	
STATUS	APPR BY	DRAWN BY	
	KRDO	FROS	
DATE	REV	SHEET	
17.06.2021	1	2 / 12	

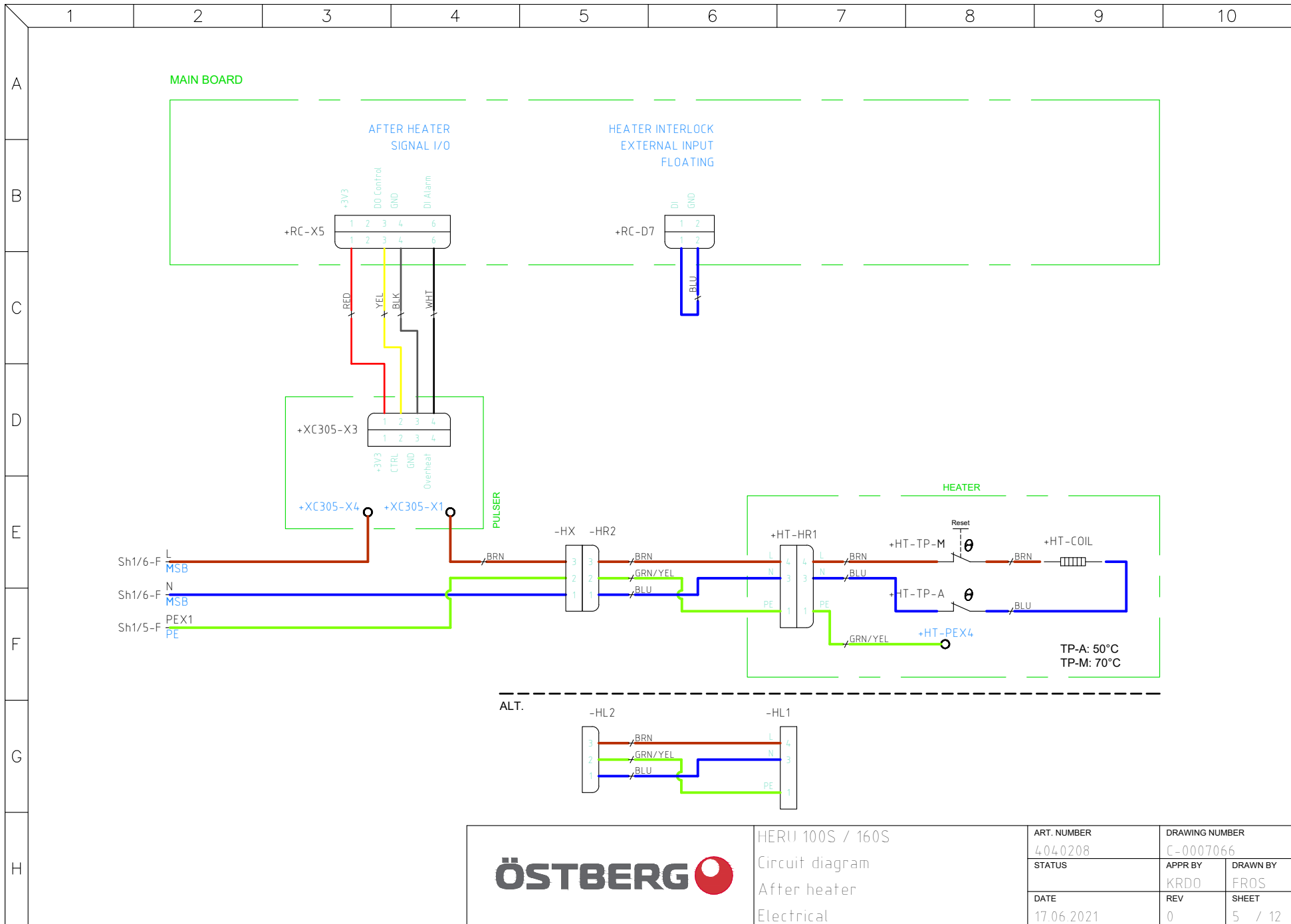


ÖSTBERG

HERU 100S / 160S
Circuit diagram
Recovery

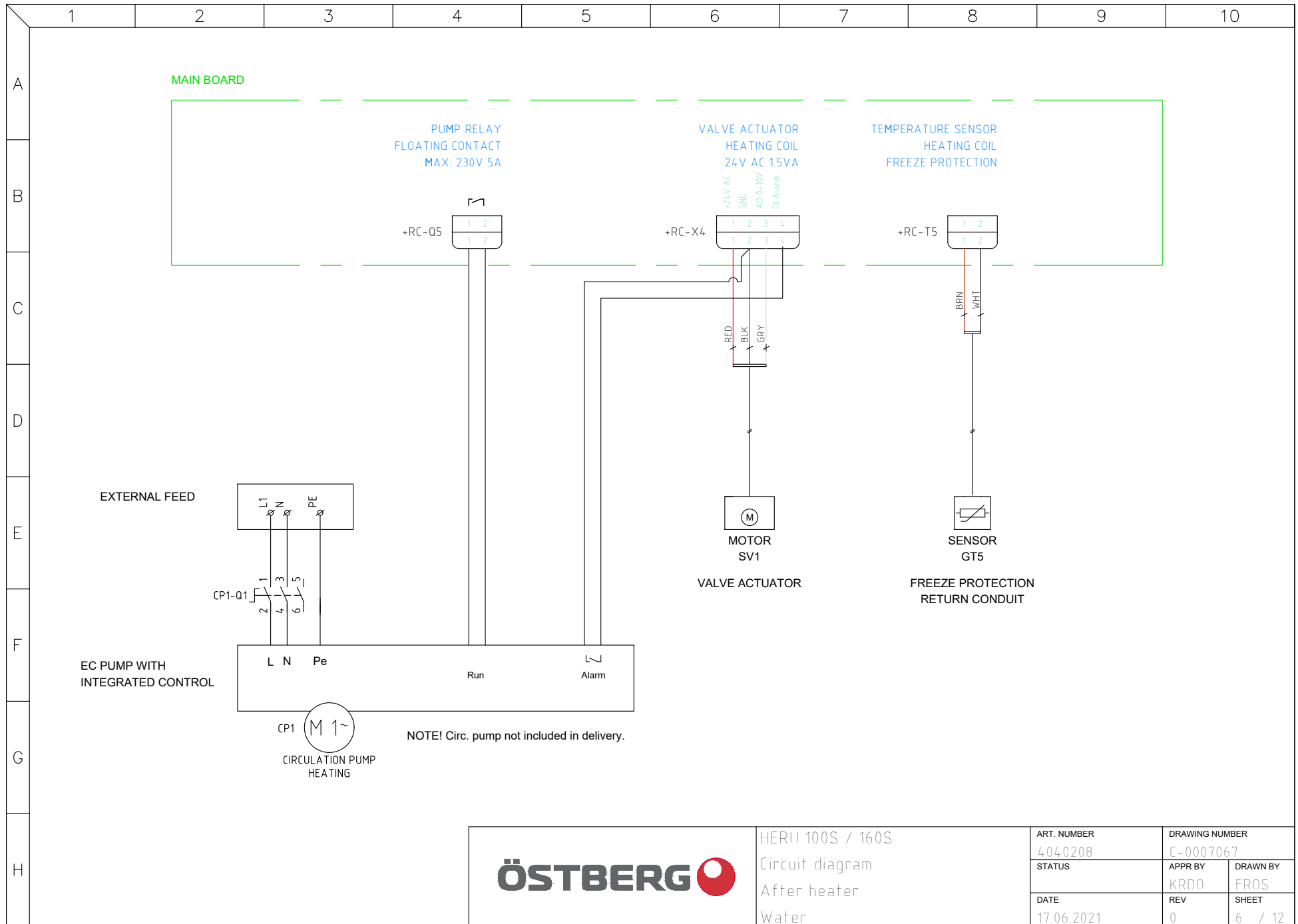
ART. NUMBER 4040208	DRAWING NUMBER C-0007064	
STATUS	APPR BY KRDO	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 3 / 12





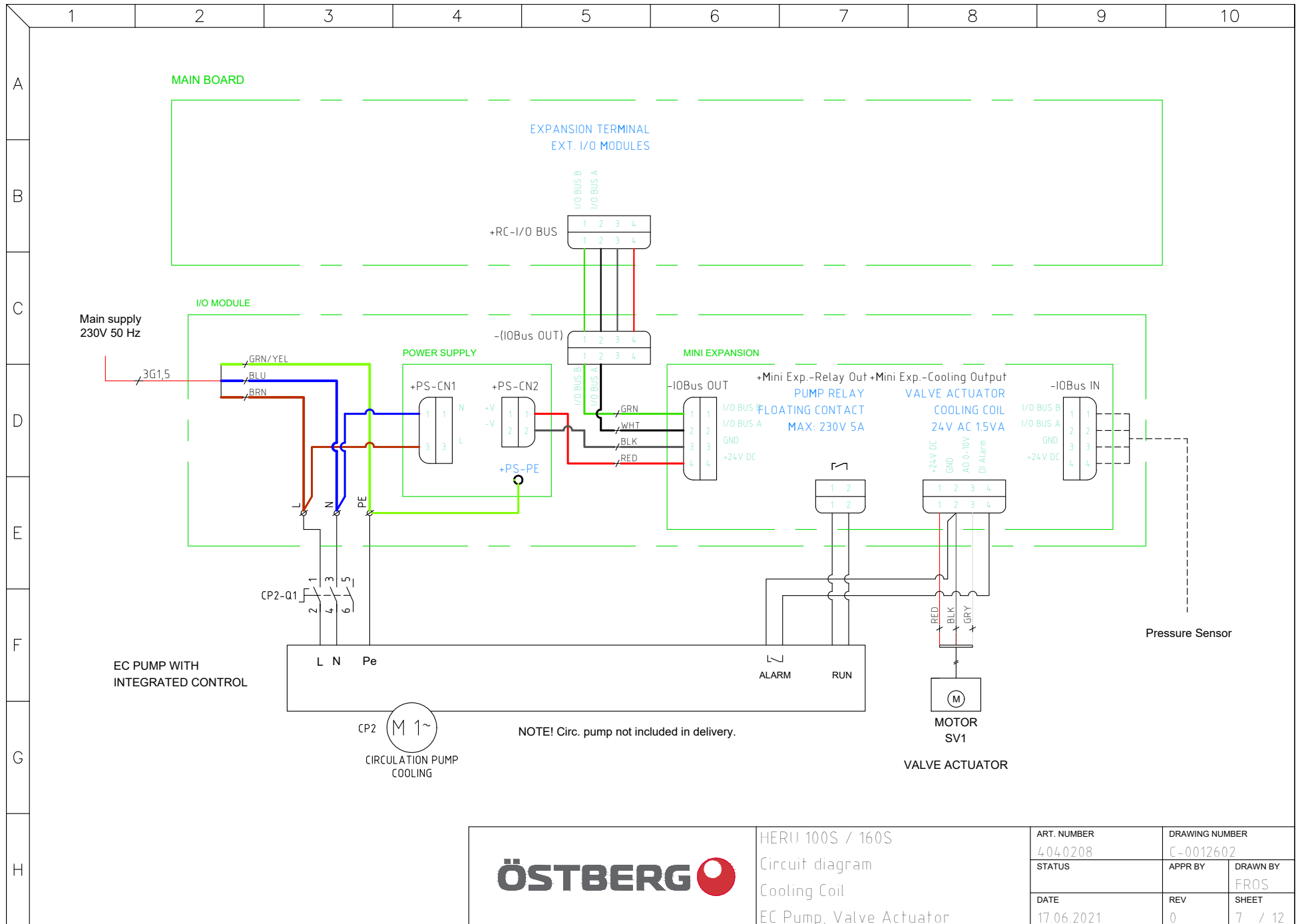
HERU 100S / 160S
 Circuit diagram
 After heater
 Electrical

ART. NUMBER 4040208	DRAWING NUMBER C-0007066	
STATUS	APPR BY KRDO	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 5 / 12



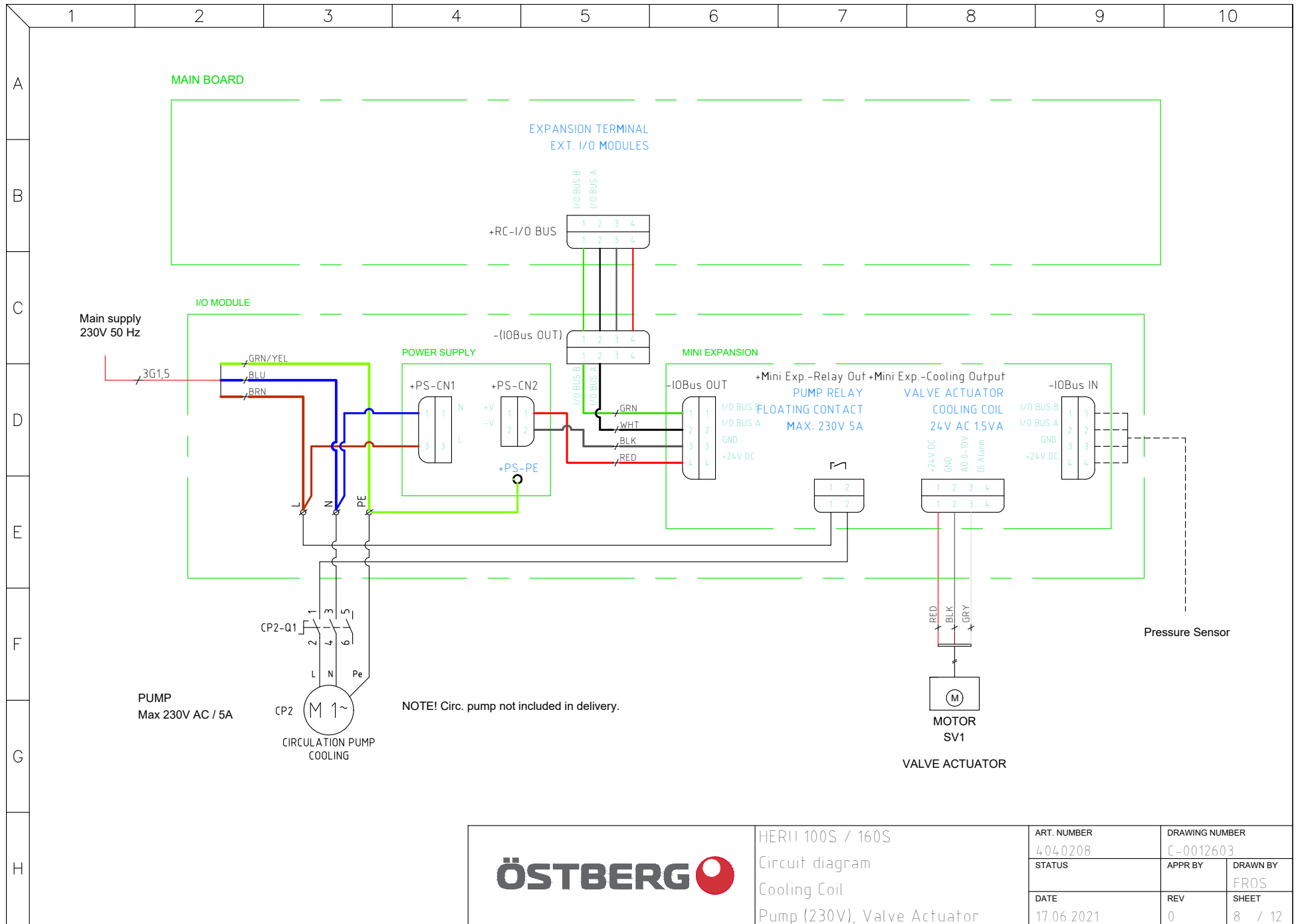
HERU 100S / 160S
Circuit diagram
After heater
Water

ART. NUMBER 4040208	DRAWING NUMBER C-0007067	
STATUS	APPR BY KRDO	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 6 / 12



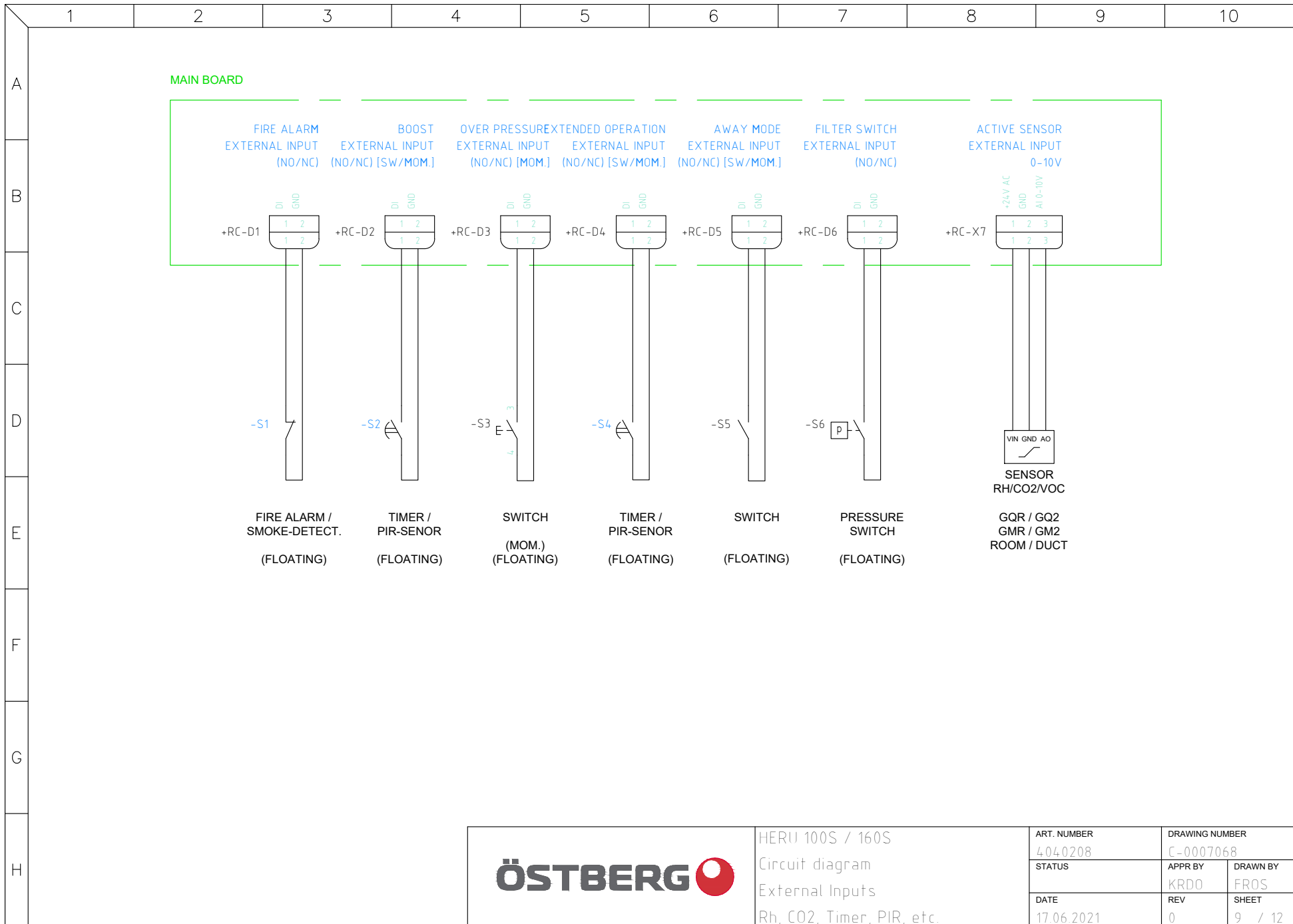
HERU 100S / 160S
Circuit diagram
Cooling Coil
EC Pump, Valve Actuator

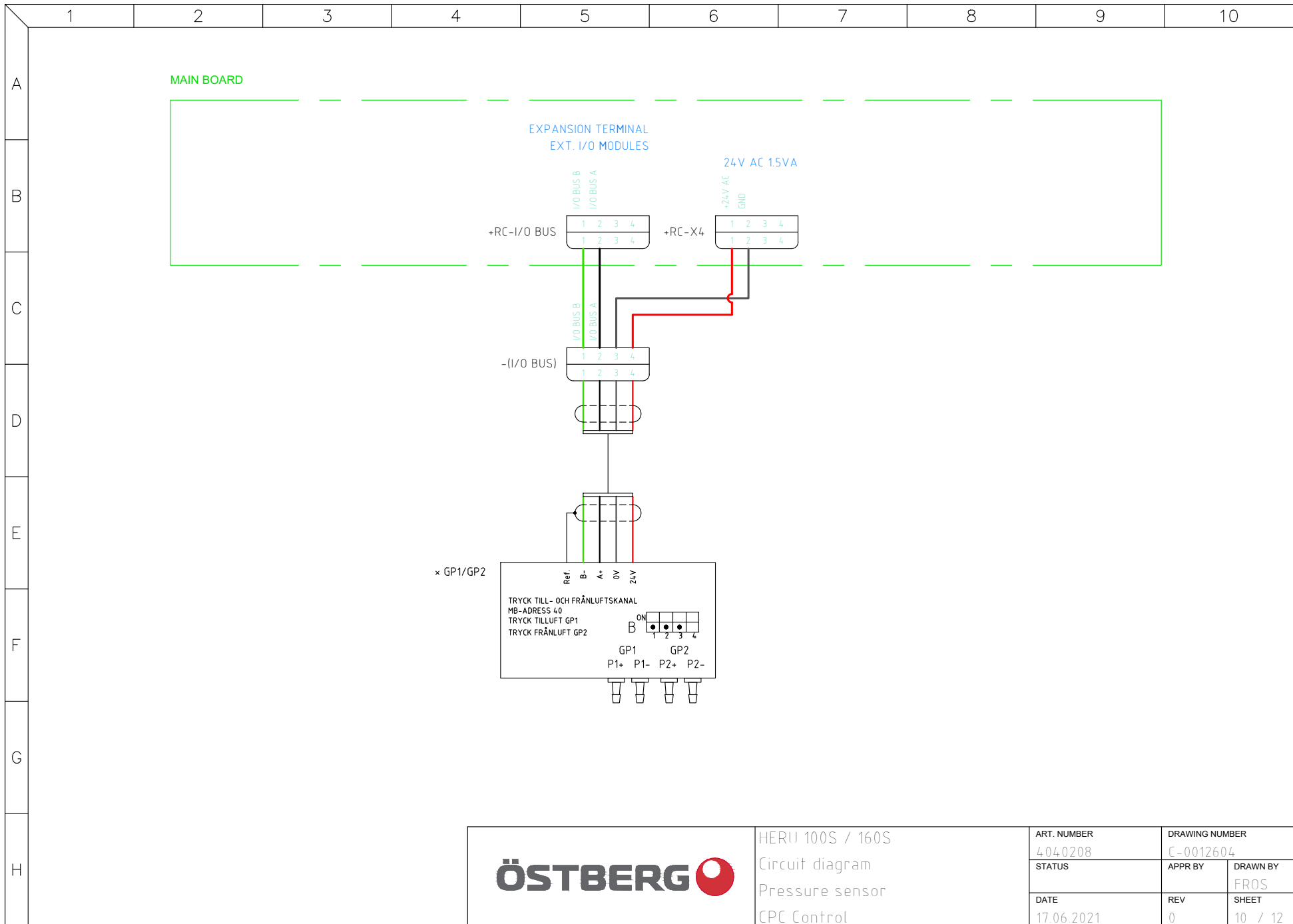
ART. NUMBER 4040208	DRAWING NUMBER C-0012602	
STATUS	APPR BY	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 7 / 12



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

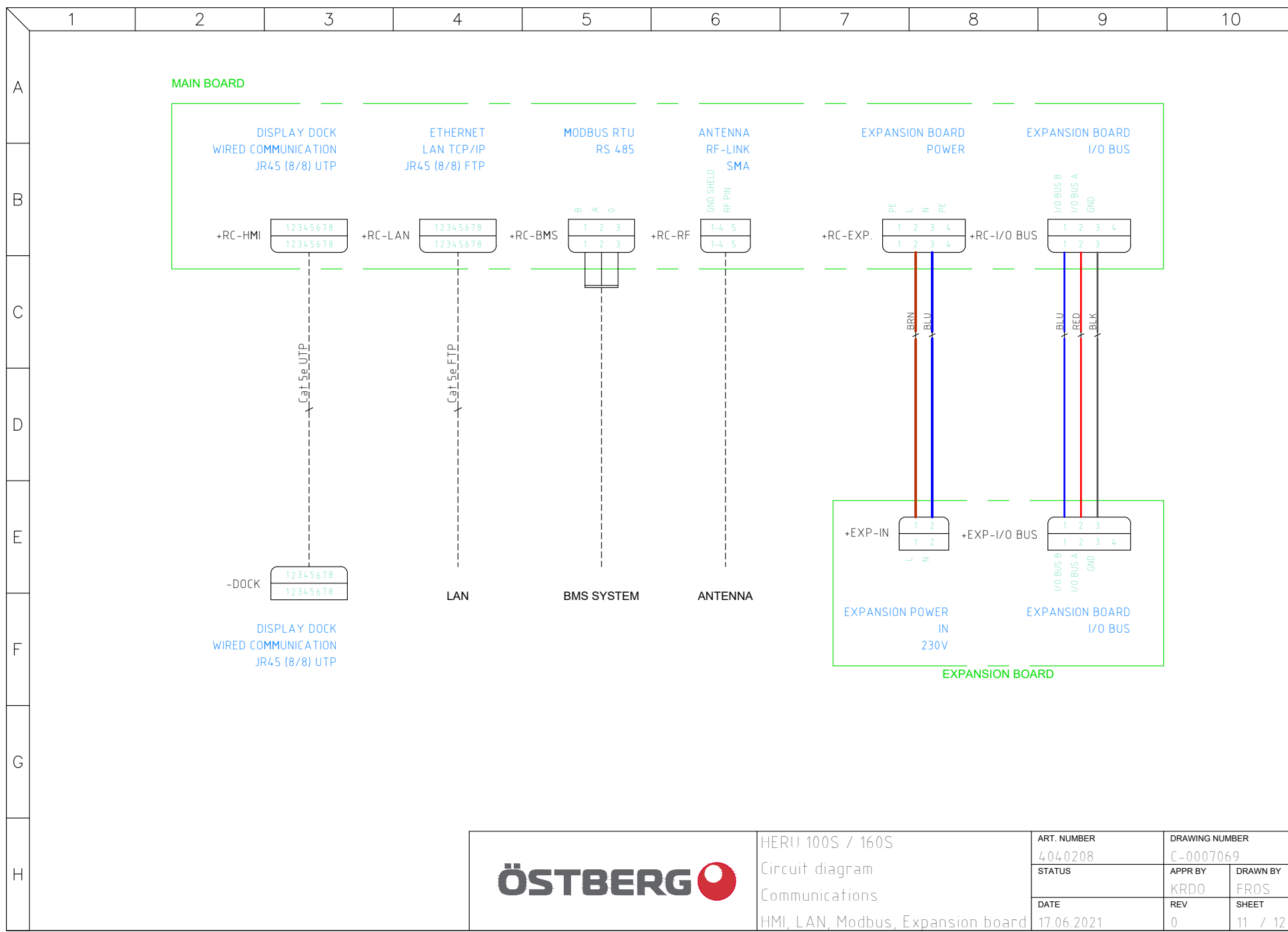
ART. NUMBER 4040208	DRAWING NUMBER C-0012603	
STATUS	APPR BY	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 8 / 12





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

ART. NUMBER 4040208	DRAWING NUMBER C-0012604	
STATUS	APPR BY	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 10 / 12



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

ART. NUMBER 4040208	DRAWING NUMBER C-0007069	
STATUS	APPR BY KRDO	DRAWN BY FROS
DATE 17.06.2021	REV 0	SHEET 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	+PEX2-1	1	UL 1007-AWG 20-GRNYEL	2	+M1-X1	1	5	+HT-HR1	4
C	1	+PEX2-1	2	UL 1007-AWG 20-GRNYEL	2	+M2-X1	1	5	+RC-D7	1
	1	+PEX2-1	3	UL 1007-AWG 20-GRNYEL	3	+M3-X1	3	5	+RC-X5	1
D	1	PLUG		RQ 1.5mm2-GRNYEL	1	+PEX1-1		5	+RC-X5	3
	1	+RC-PE	1	RQ 1.5mm2-GRNYEL	1	+PEX1-2		5	+RC-X5	4
E	1	+PEX1-2		RQ 1.5mm2-GRNYEL	1	+PEX2-1	5	5	+RC-X5	6
	1	+PEX2-1	4	UL 1007-AWG 20-GRNYEL	3	+PS-PE		5	-HL2	2
F	1	PLUG		RQ 1.5mm2-BLU	1	+RC-MSa	1	5	-HL2	3
	1	PLUG		RQ 1.5mm2-BRN	1	+RC-MSa	2	5	-HL1	3
G	1	+RC-MSb	2	RQ 1.5mm2-BRN	5	+XC305-X4		5	+HT-HR1	3
	1	+PEX1-2		RQ 1.5mm2-GRNYEL	5	-HX	2	5	+XC305-X1	3
H	1	+RC-MSb	1	RQ 1.5mm2-BLU	5	-HX	1	8	+RC-I/O BUS	1
	2	+RC-Q1	1	UL 1007-AWG 20-BRN	2	+M1-X1	6	8	+RC-I/O BUS	2
	2	+RC-Q1	2	UL 1007-AWG 20-BLU	2	+M1-X1	5	8	+RC-I/O BUS	3
	2	+RC-X1	1	UL 1007-AWG 22-YEL	2	+M1-X1	8	8	+RC-EXP.	2
	2	+RC-X1	2	UL 1007-AWG 22-WHT	2	+M1-X1	3	8	+RC-EXP.	3
	2	+RC-X1	3	UL 1007-AWG 22-BLK	2	+M1-X1	4			
	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			
	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			
	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				
	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			
	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			
	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			
	4	+RC-T1	1	UL 1007-AWG 22-RED	4	-GT1	1			
	4	+RC-T1	2	UL 1007-AWG 22-WHT	4	-GT1	2			
	4	+RC-T2	1	UL 1007-AWG 22-ORG	4	-GT2	1			
	4	+RC-T2	2	UL 1007-AWG 22-WHT	4	-GT2	2			
	4	+RC-T3	1	UL 1007-AWG 22-YEL	4	-GT3	1			
	4	+RC-T3	2	UL 1007-AWG 22-WHT	4	-GT3	2			
	4	+RC-T4	1	UL 1007-AWG 22-GRN	4	-GT4	1			
	4	+RC-T4	2	UL 1007-AWG 22-WHT	4	-GT4	2			
	4	+RC-T6	1	UL 1007-AWG 22-BRN	4	-GT7				
	4	+RC-T6	2	UL 1007-AWG 22-WHT	4	-GT7				
	5	+HT-TP-M		RQ 1.5mm2-BRN	5	+HT-COIL				
	5	-HR2	2	RQ 1.5mm2-GRNYEL	5	+HT-HR1	1			
	5	-HR2	3	RQ 1.5mm2-BRN	5	+HT-HR1	4			
	5	+HT-HR1	1	RQ 1.5mm2-GRNYEL	5	+HT-PEX4				
	5	+HT-COIL		RQ 1.5mm2-BLU	5	+HT-TP-A				
	5	+HT-HR1	3	RQ 1.5mm2-BLU	5	+HT-TP-A				



HERU 100S / 160S

Circuit diagram
Wire Run List

ART. NUMBER	DRAWING NUMBER	
4040208	C-0007070	
STATUS	APPR BY	DRAWN BY
	KRDO	FR0S
DATE	REV	SHEET
17.06.2021	0	12 / 12