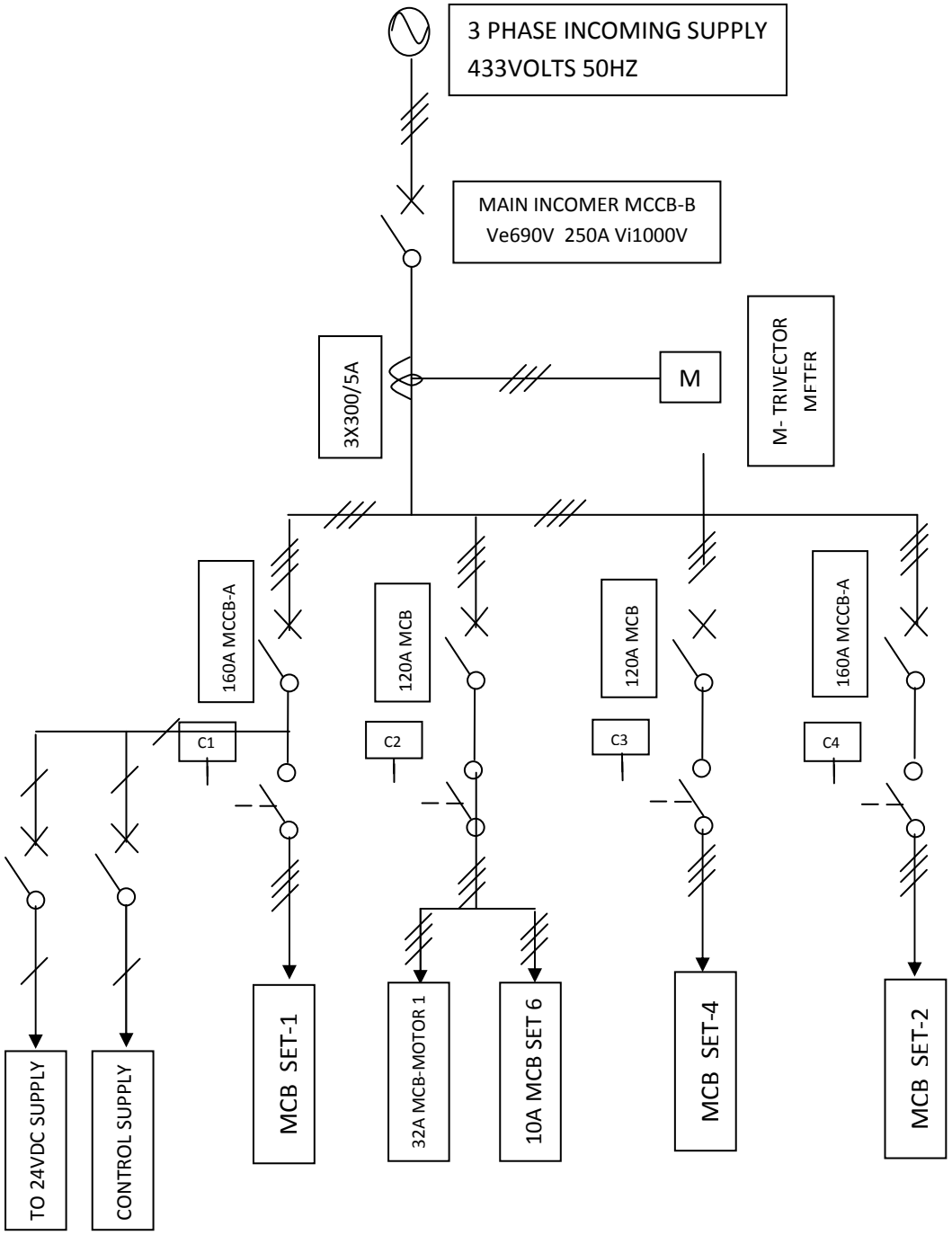
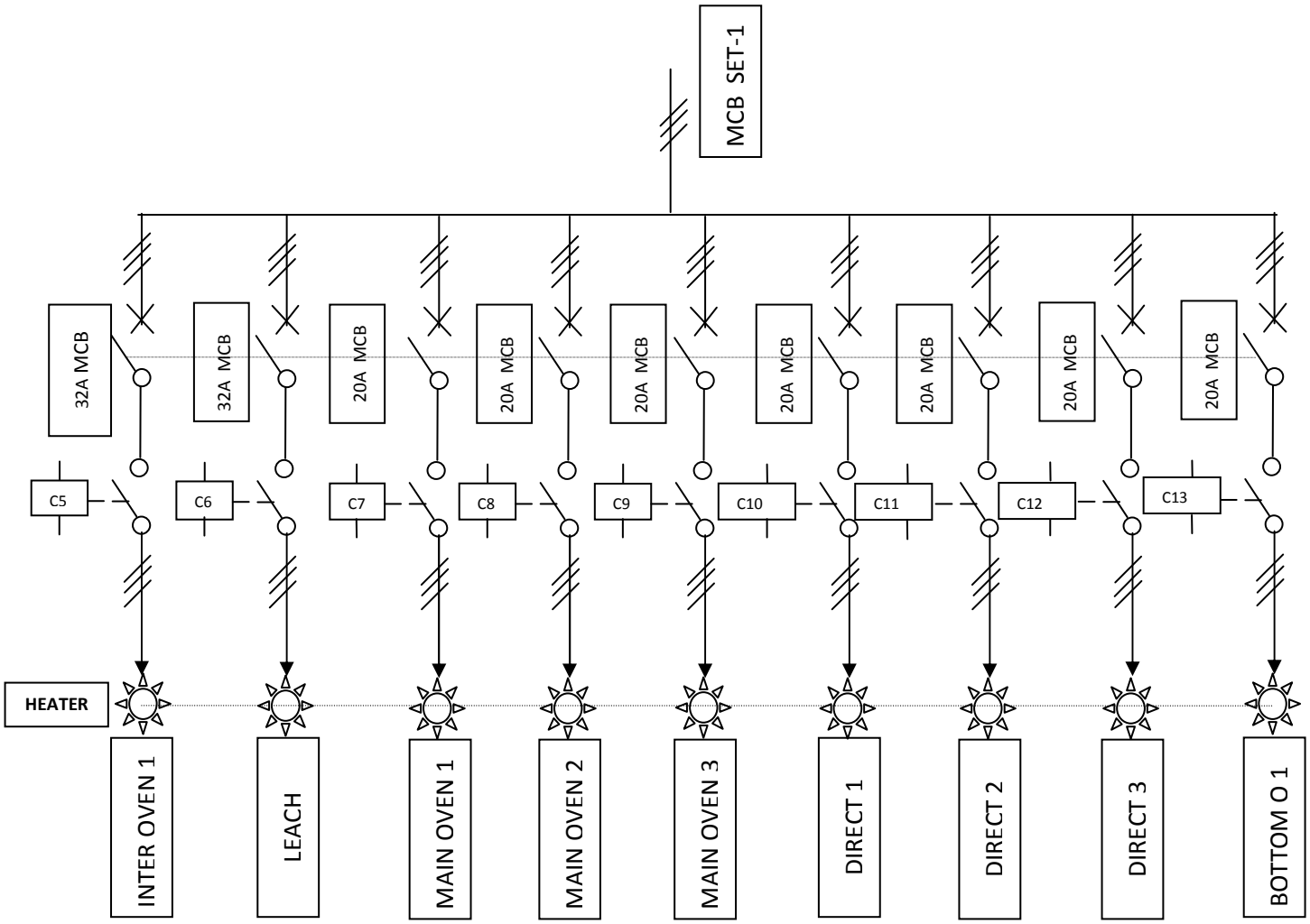
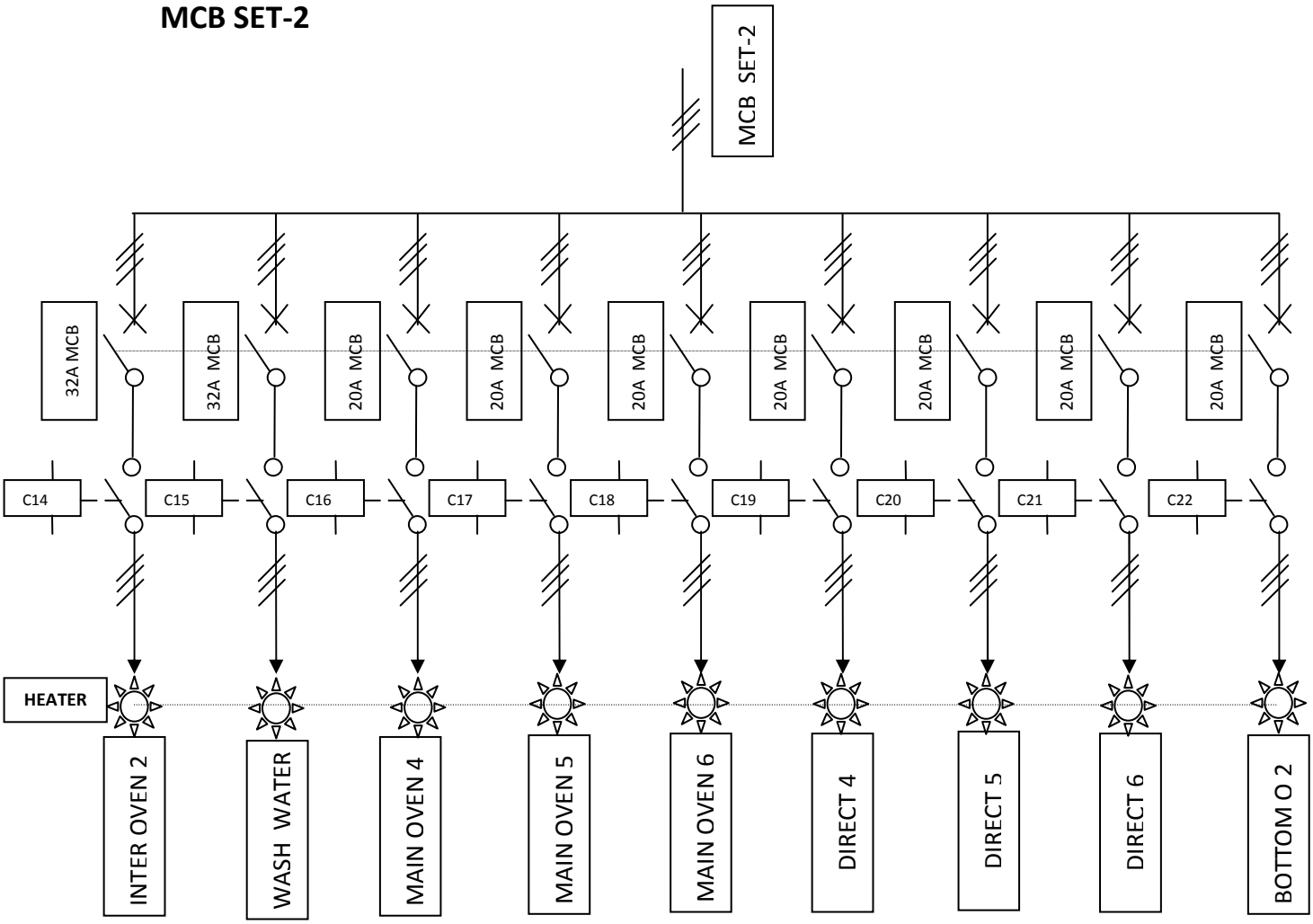
PANEL BOARD NO.1:- **MAIN CONTROL PANEL-SLD**



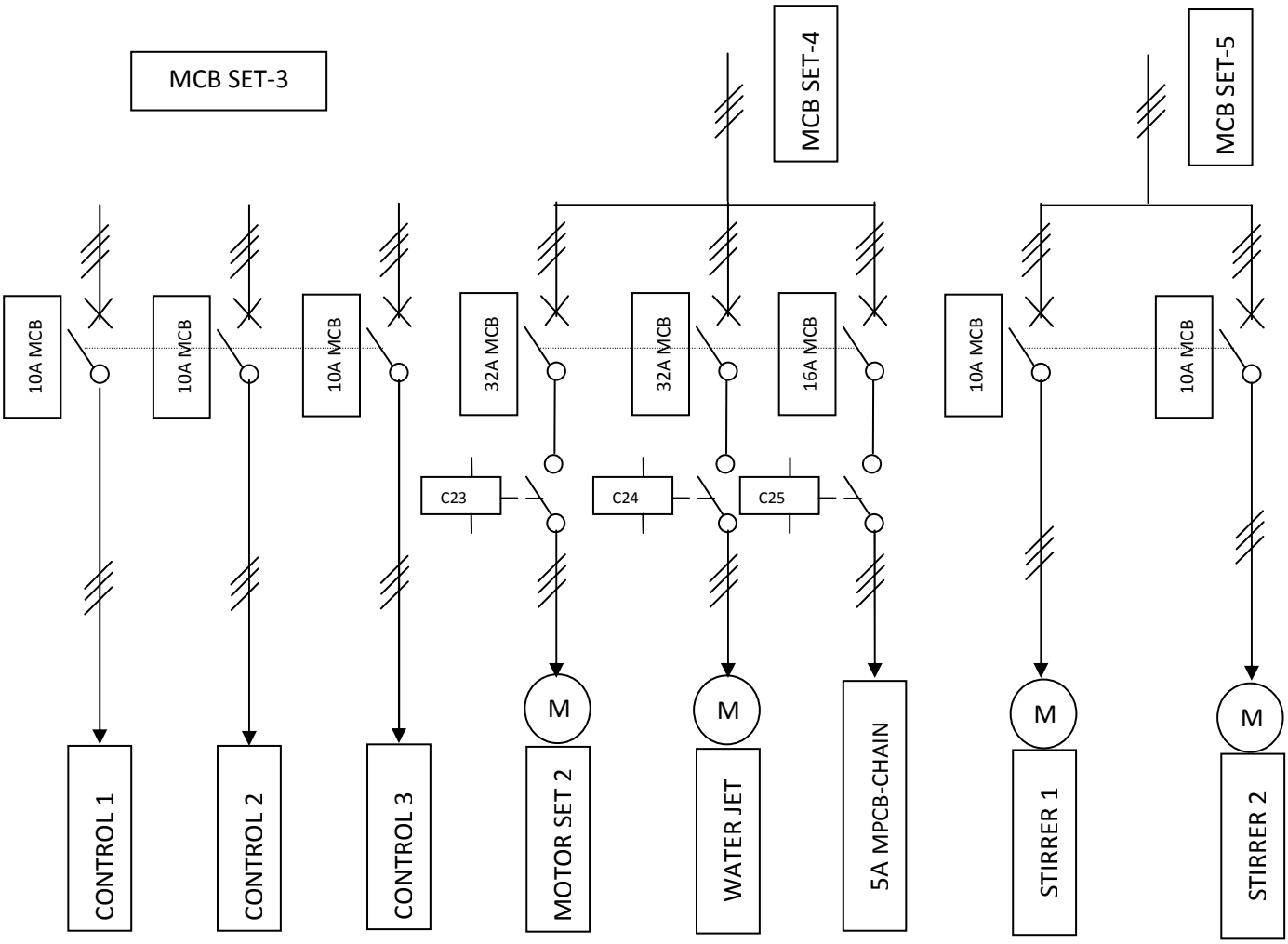
MCB SET-1


MCB SET-1
32A MCB
32A MCB
20A MCB
20A MCB
20A MCB
20A MCB
20A MCB
20A MCB
20A MCB
C5
C6
C7
C8
C9
C10
C11
C12
C13
HEATER
INTER OVEN 1
LEACH
MAIN OVEN 1
MAIN OVEN 2
MAIN OVEN 3
DIRECT 1
DIRECT 2
DIRECT 3
BOTTOM O 1

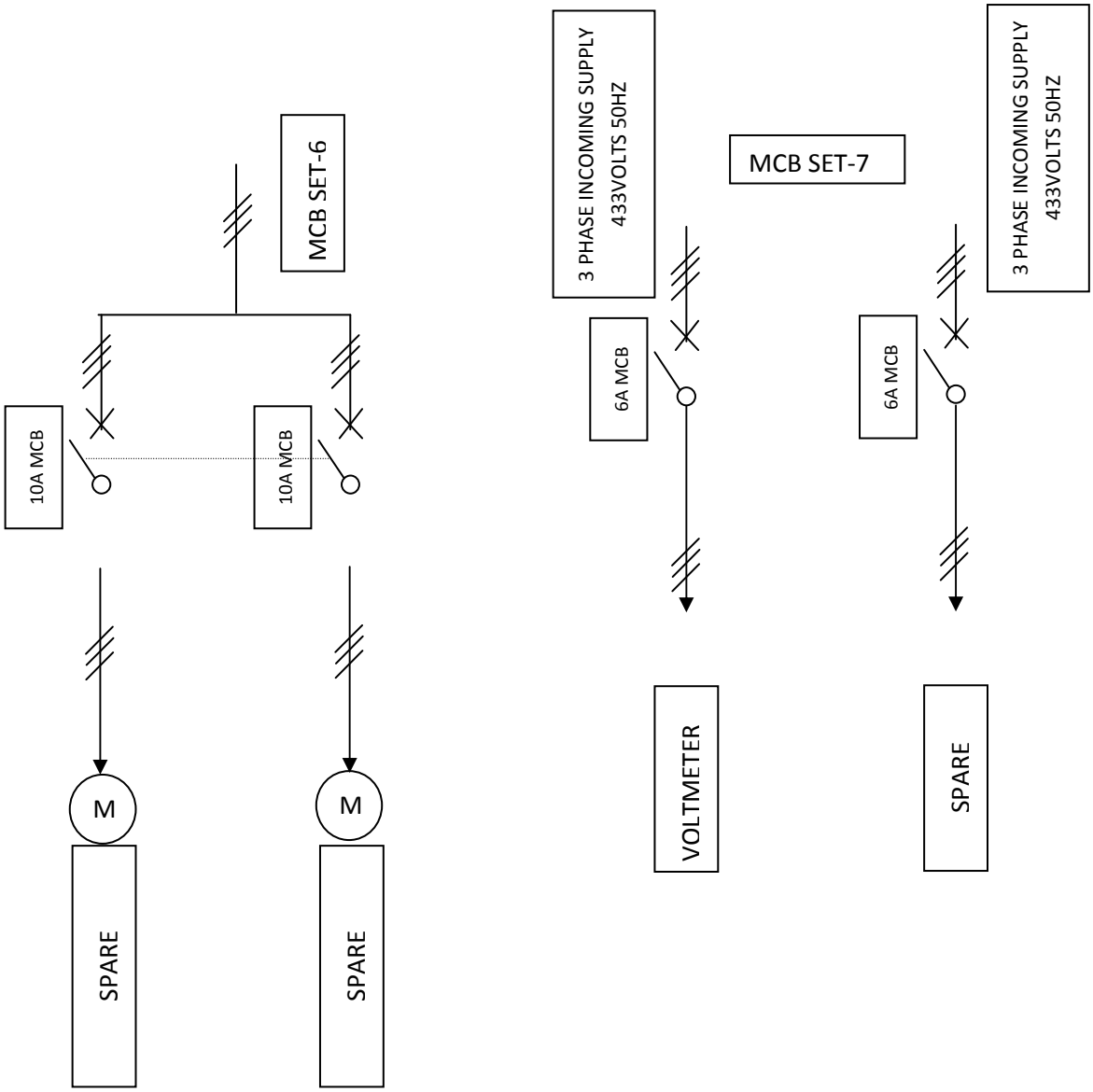
MCB SET-2


MCB SET-2
32A MCB
32A MCB
20A MCB
20A MCB
20A MCB
20A MCB
20A MCB
20A MCB
20A MCB
C14
C15
C16
C17
C18
C19
C20
C21
C22
HEATER
INTER OVEN 2
WASH WATER
MAIN OVEN 4
MAIN OVEN 5
MAIN OVEN 6
DIRECT 4
DIRECT 5
DIRECT 6
BOTTOM O 2

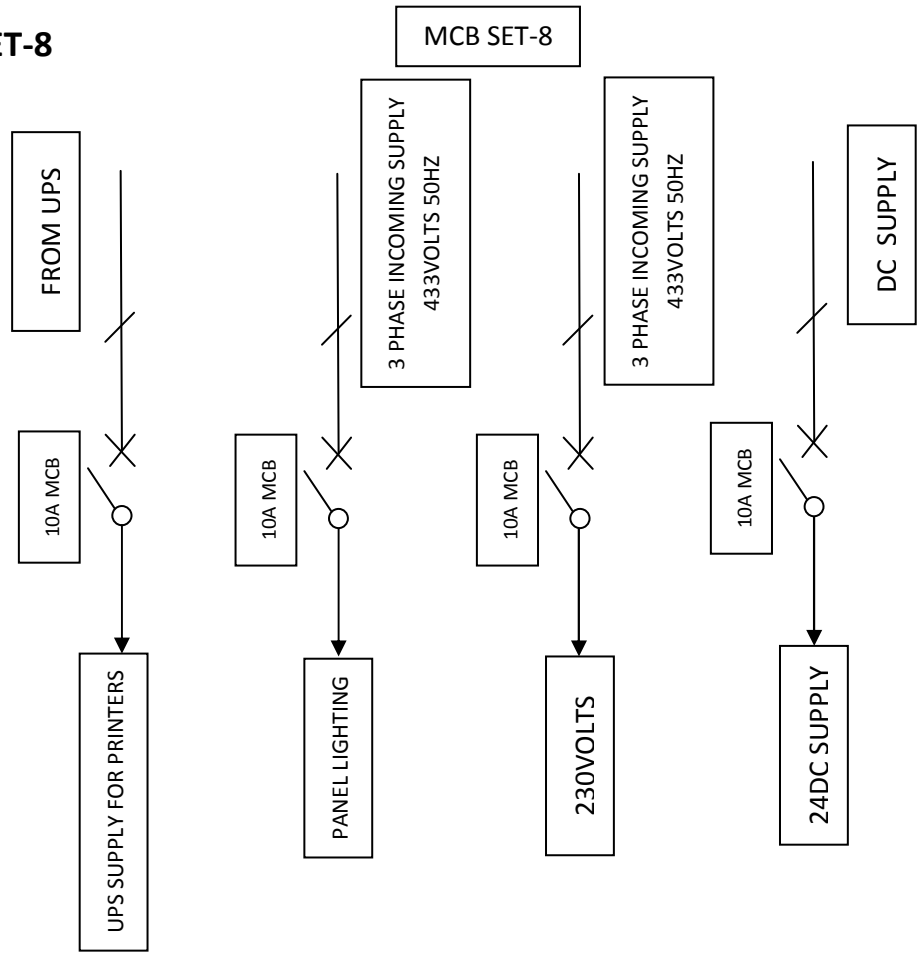
MCB SET-3, 4 & 5


MCB SET-3
MCB SET-4
MCB SET-5
10A MCB
10A MCB
10A MCB
32A MCB
32A MCB
16A MCB
10A MCB
10A MCB
C23
C24
C25
M
M
M
M
CONTROL 1
CONTROL 2
CONTROL 3
MOTOR SET 2
WATER JET
5A MPCB-CHAIN
STIRRER 1
STIRRER 2

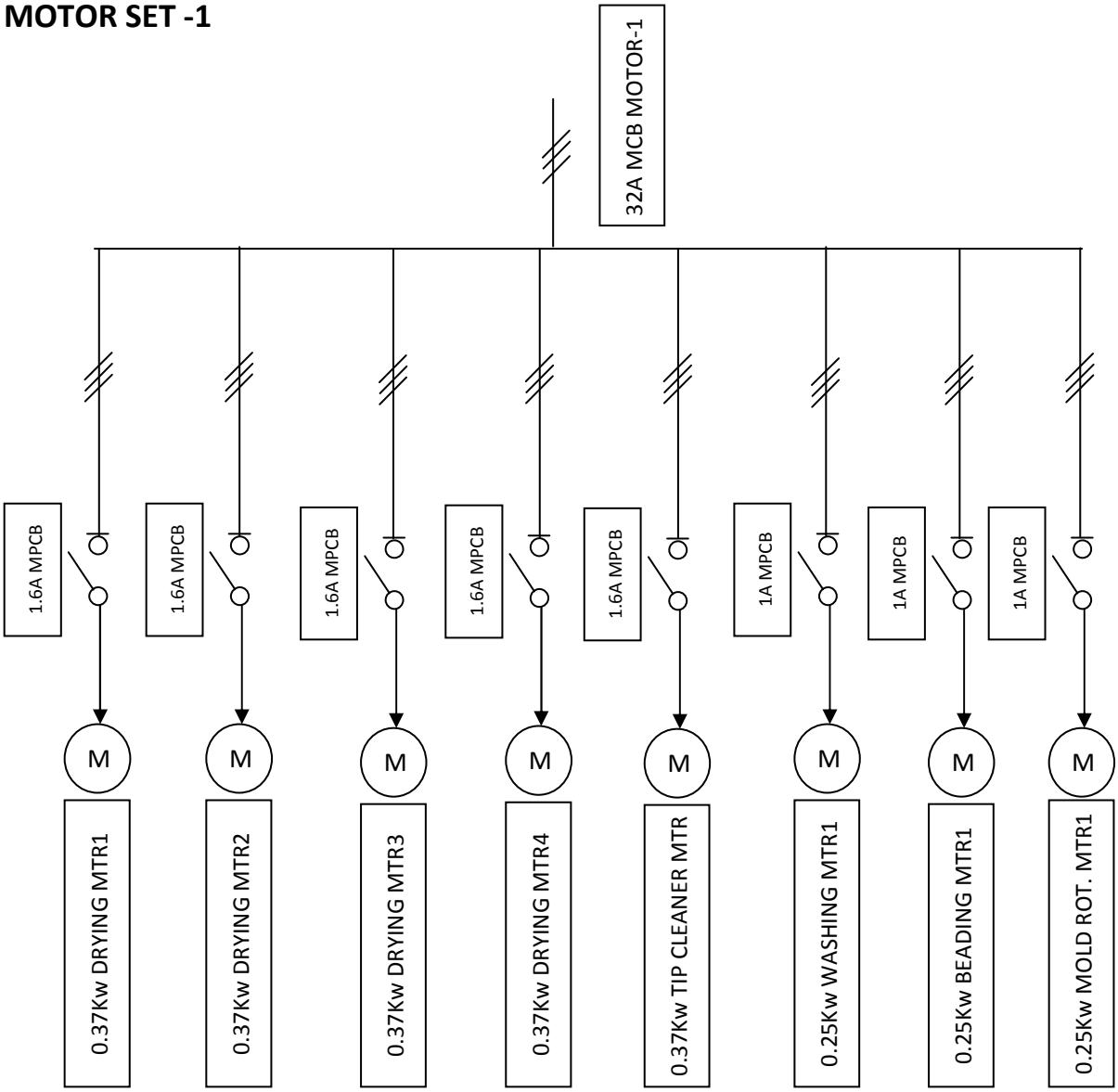
MCB SET-6&7


MCB SET-6
10A MCB
10A MCB
M
M
SPARE
SPARE
3 PHASE INCOMING SUPPLY
433VOLTS 50HZ
MCB SET-7
3 PHASE INCOMING SUPPLY
433VOLTS 50HZ
6A MCB
6A MCB
VOLTMETER
SPARE

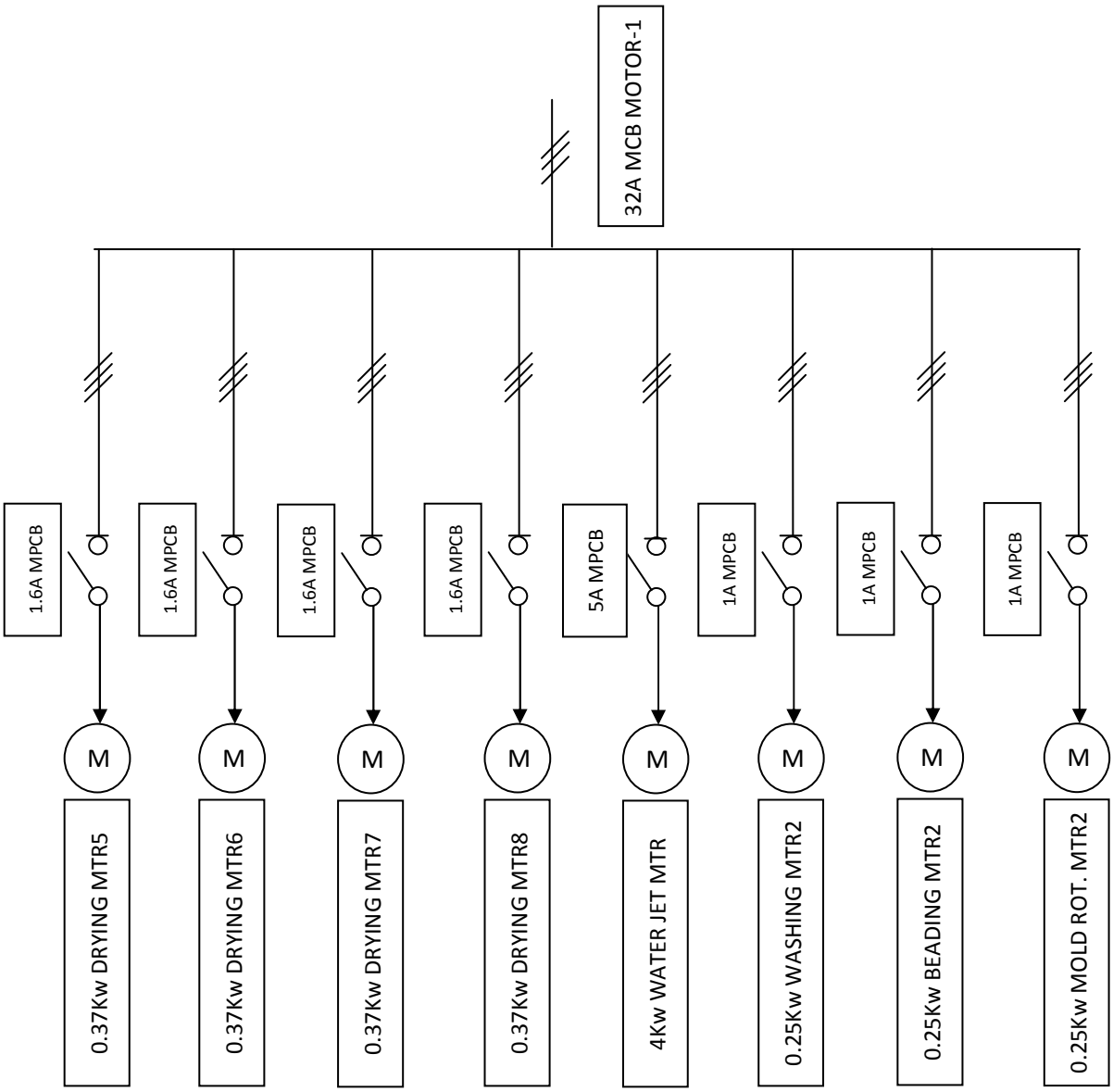
MCB SET-8


MCB SET-8
FROM UPS
3 PHASE INCOMING SUPPLY
433VOLTS 50HZ
3 PHASE INCOMING SUPPLY
433VOLTS 50HZ
DC SUPPLY
10A MCB
10A MCB
10A MCB
10A MCB
UPS SUPPLY FOR PRINTERS
PANEL LIGHTING
230VOLTS
24DC SUPPLY

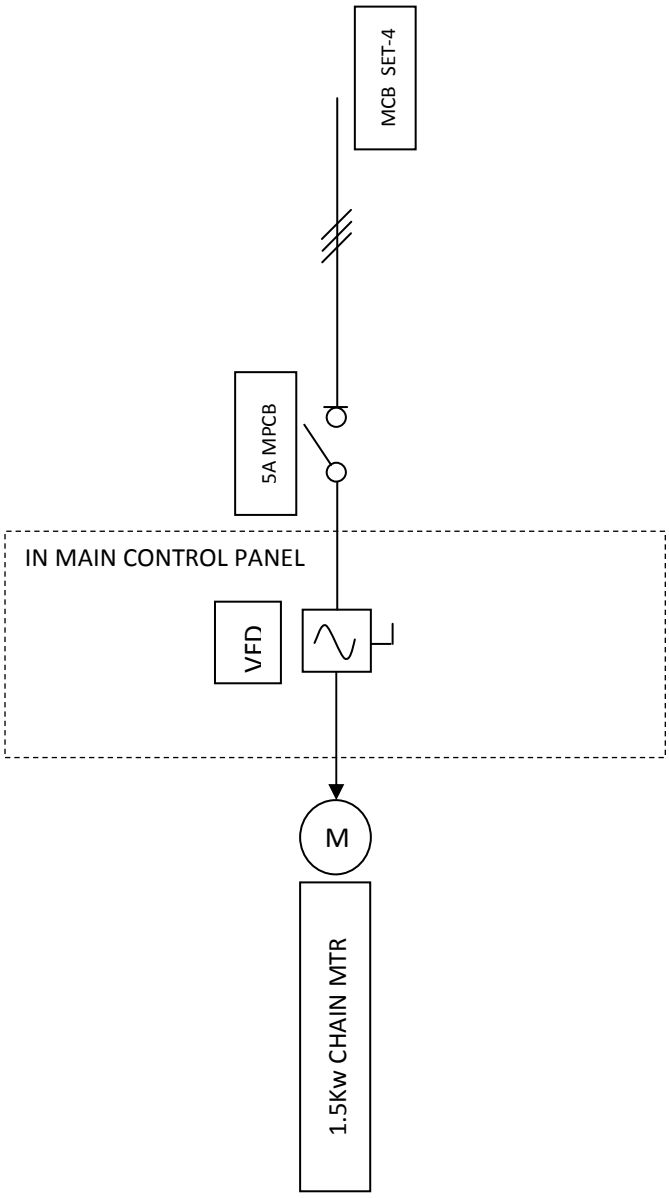
MOTOR SET -1


32A MCB MOTOR-1
1.6A MPCB
1.6A MPCB
1.6A MPCB
1.6A MPCB
1.6A MPCB
1A MPCB
1A MPCB
1A MPCB
M
M
M
M
M
M
M
M
0.37Kw DRYING MTR1
0.37Kw DRYING MTR2
0.37Kw DRYING MTR3
0.37Kw DRYING MTR4
0.37Kw TIP CLEANER MTR
0.25Kw WASHING MTR1
0.25Kw BEADING MTR1
0.25Kw MOLD ROT. MTR1

MOTOR SET 2

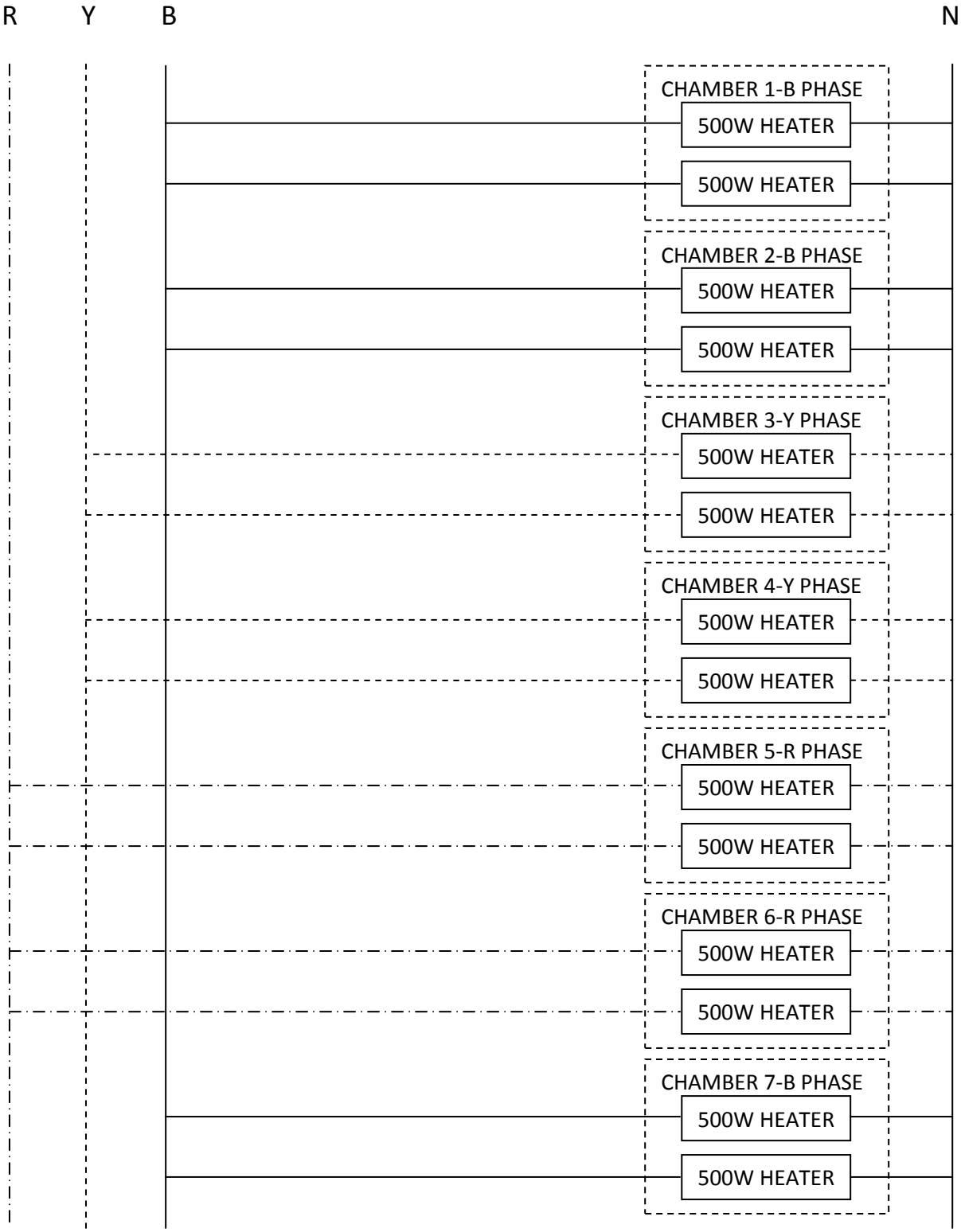

32A MCB MOTOR-1
1.6A MPCB
1.6A MPCB
1.6A MPCB
1.6A MPCB
5A MPCB
1A MPCB
1A MPCB
1A MPCB
M
M
M
M
M
M
M
M
0.37Kw DRYING MTR5
0.37Kw DRYING MTR6
0.37Kw DRYING MTR7
0.37Kw DRYING MTR8
4Kw WATER JET MTR
0.25Kw WASHING MTR2
0.25Kw BEADING MTR2
0.25Kw MOLD ROT. MTR2

CHAIN MPCB



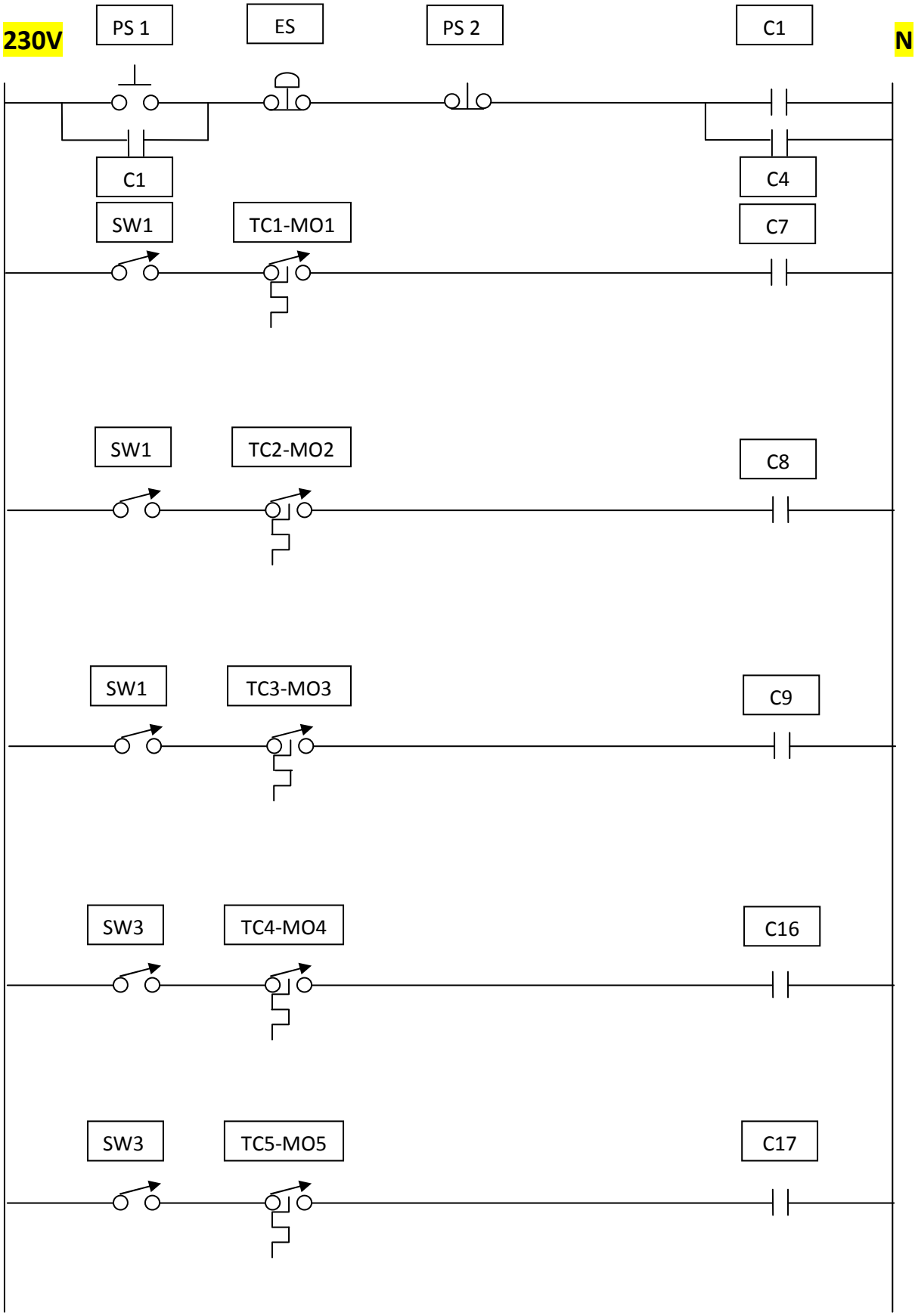
HEATER WIRING-MAIN OVEN 1,2,3,4,5&6

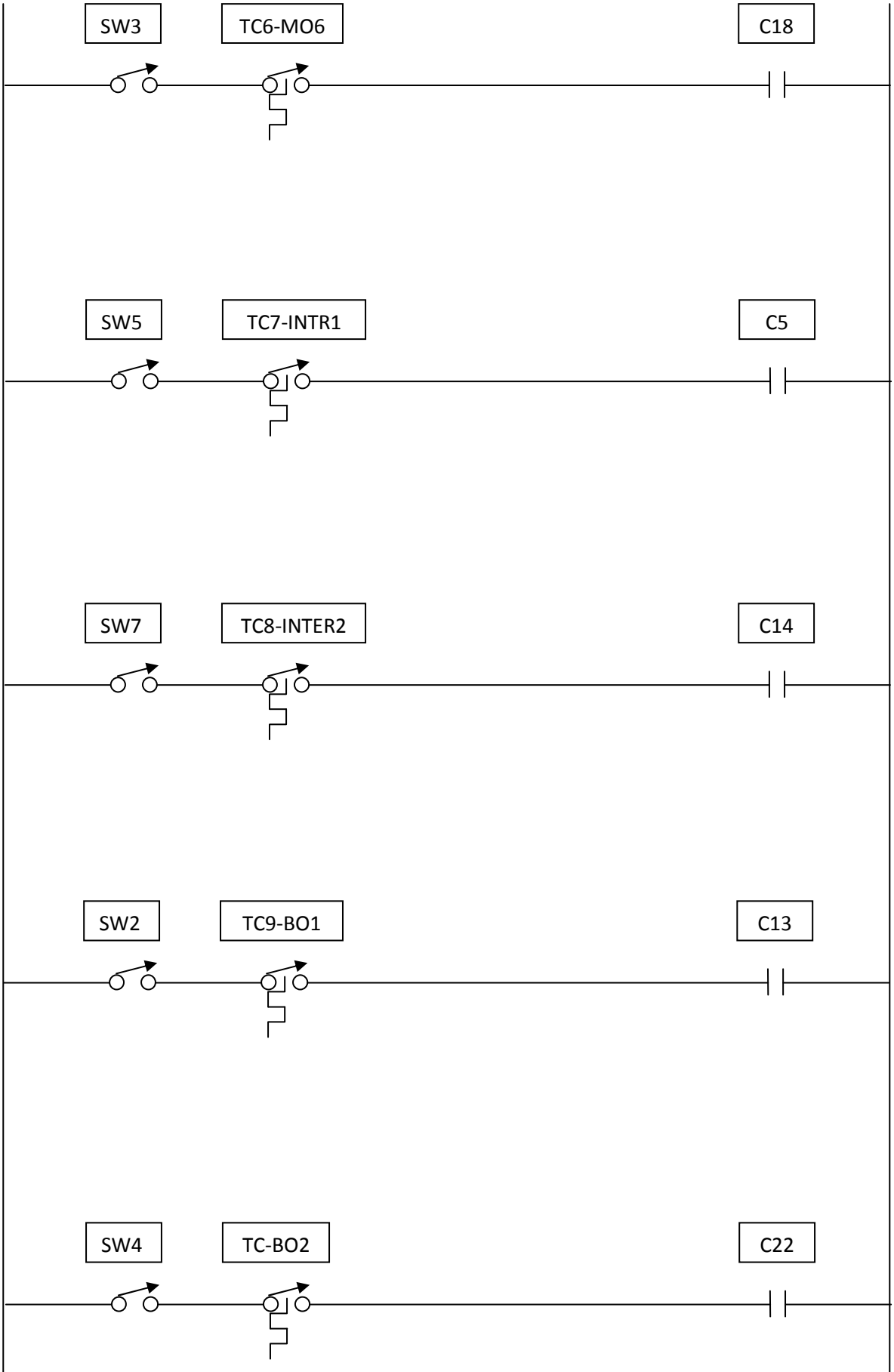
M.O.-1 Consists of seven chambers and each chamber has two zig-zag heaters (500Watts), total load of M.O.1 is 7chambers*2heaters*500Watts= 7000Watts

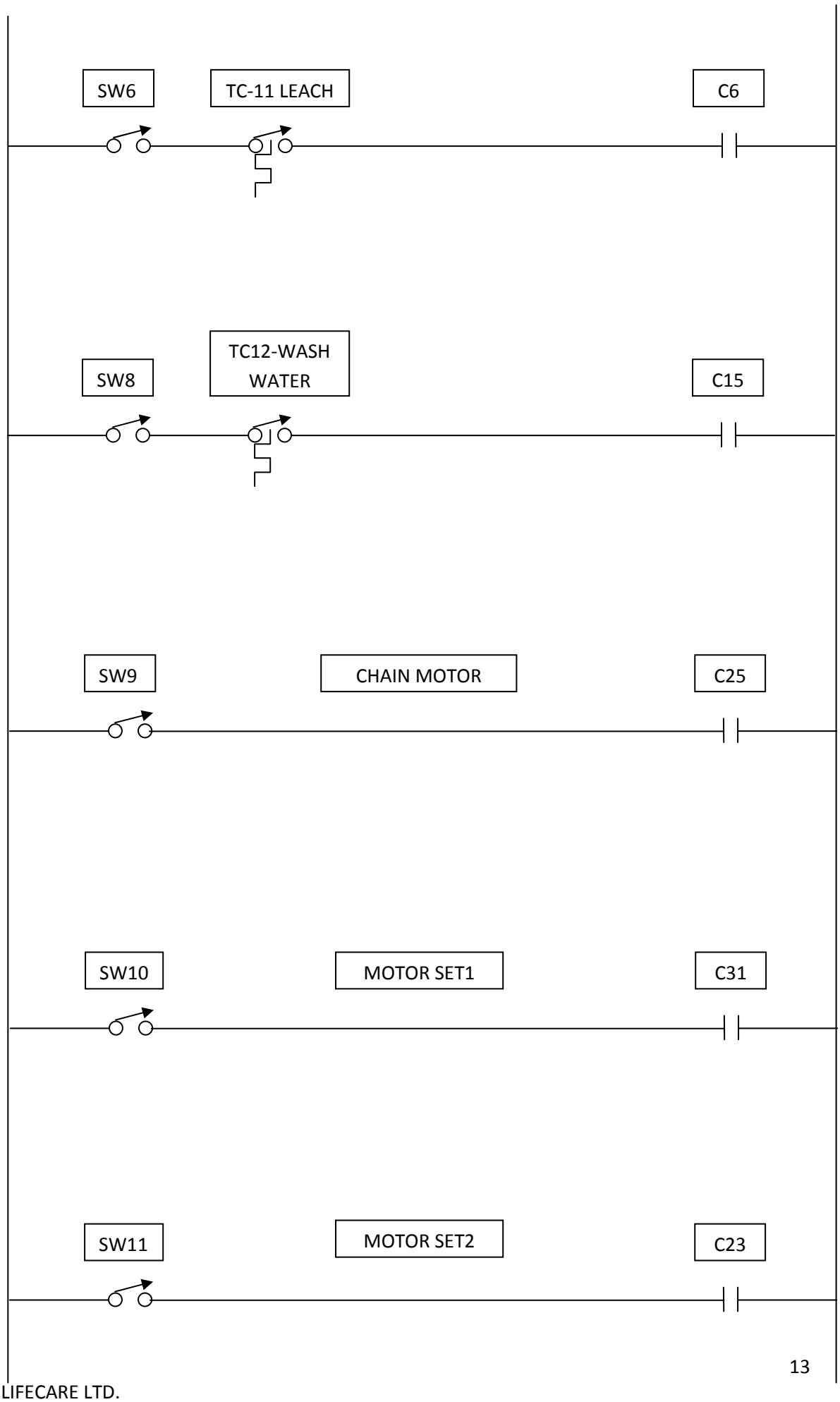


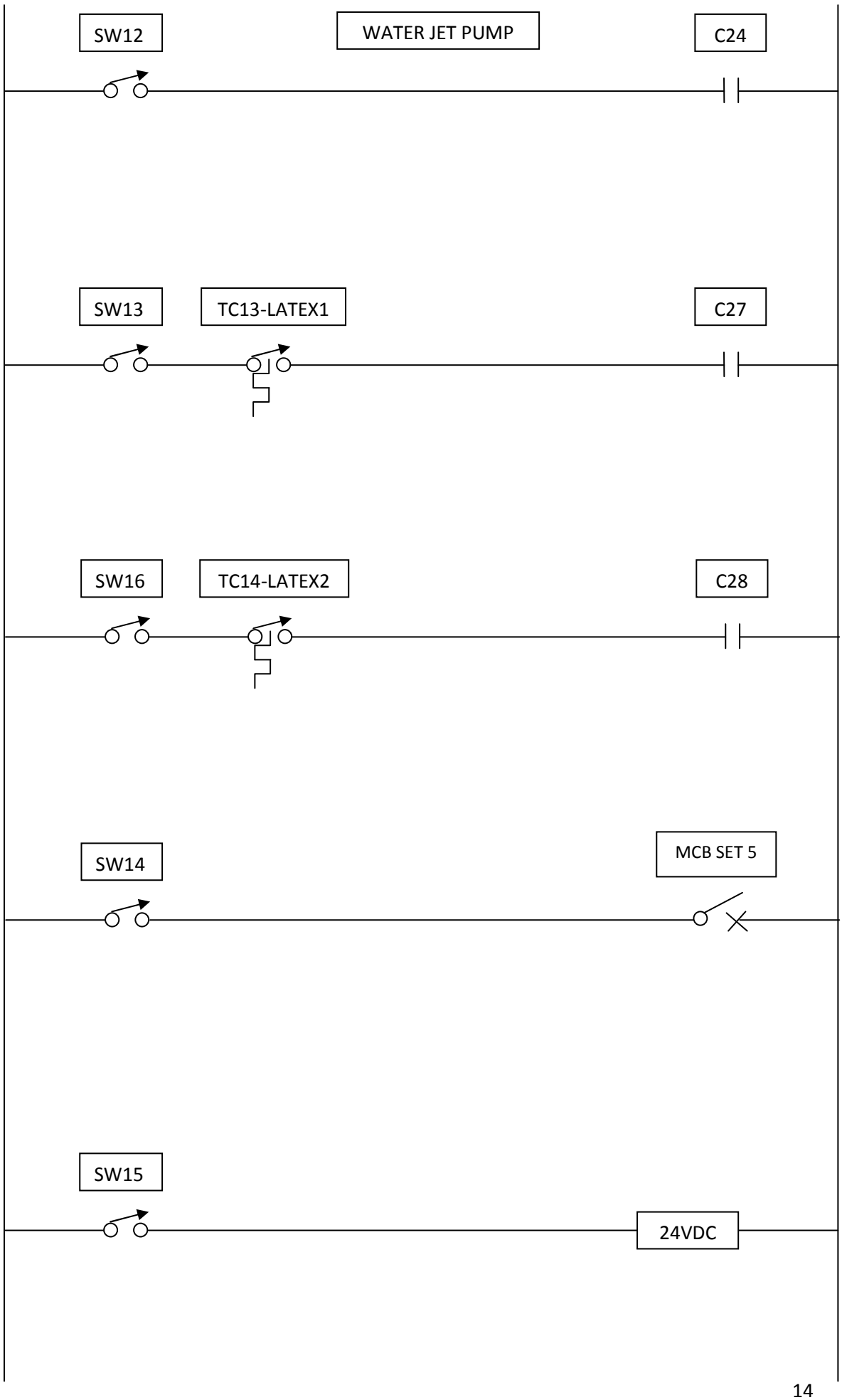
Similarly load sharing in all other chambers has to be ensured by equally distributing the heating loads so that there is no unbalance between three phases.

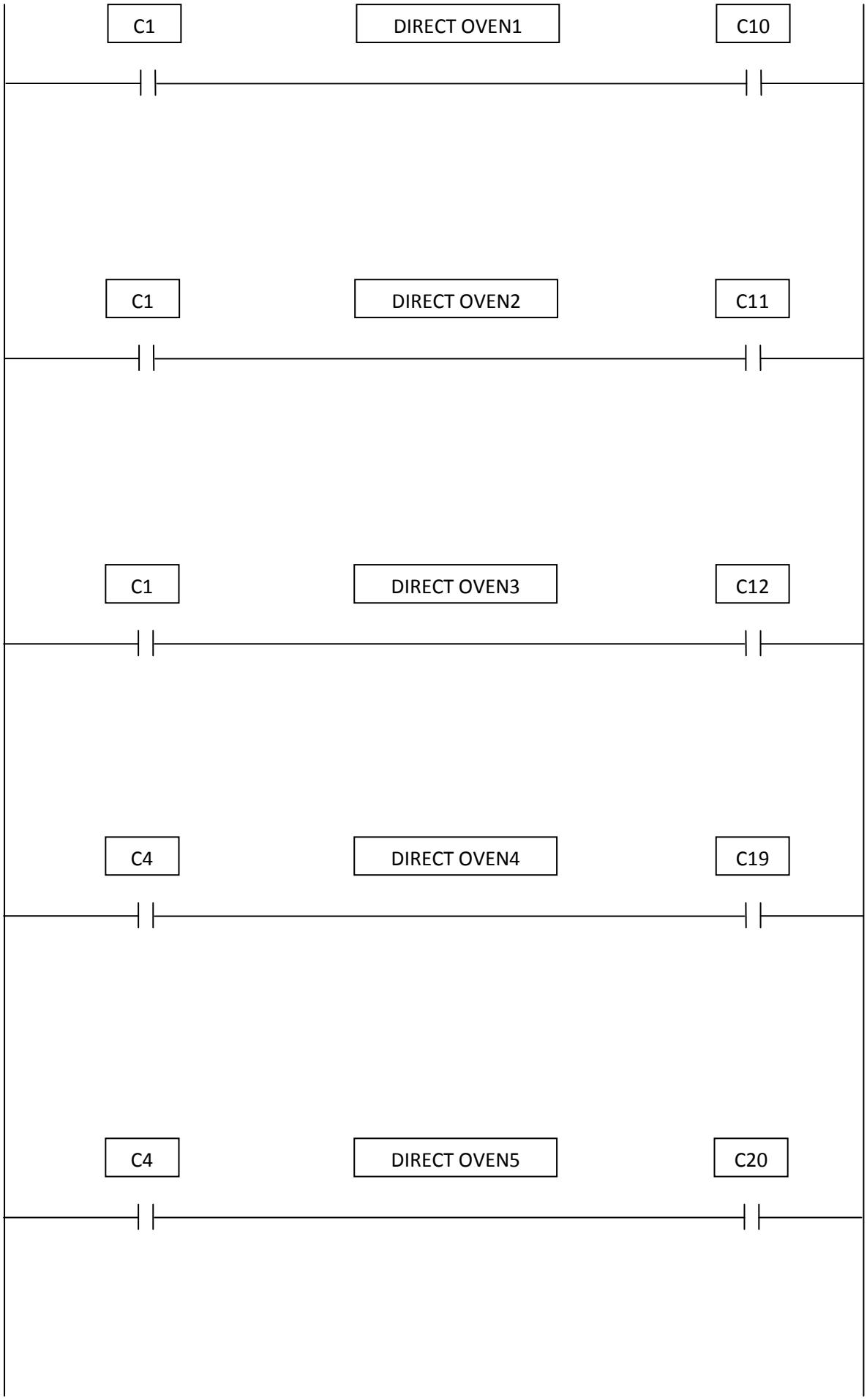
CONTACTOR COIL WIRING-MAIN CONTROL PANEL BOARD

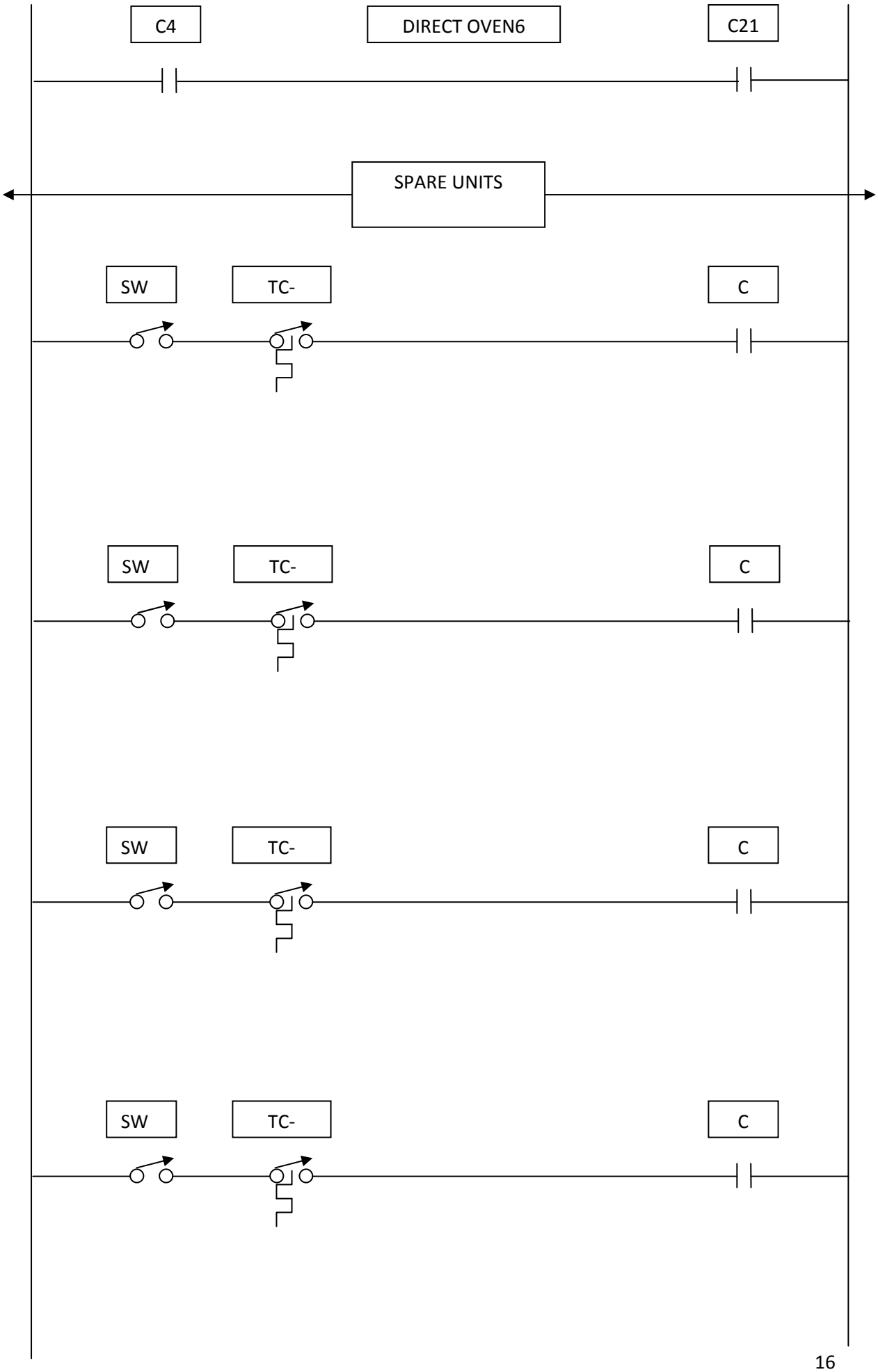



SW3
TC6-MO6
C18
SW5
TC7-INTR1
C5
SW7
TC8-INTER2
C14
SW2
TC9-BO1
C13
SW4
TC-BO2
C22


SW6
TC-11 LEACH
C6
SW8
TC12-WASH WATER
C15
SW9
CHAIN MOTOR
C25
SW10
MOTOR SET1
C31
SW11
MOTOR SET2
C23

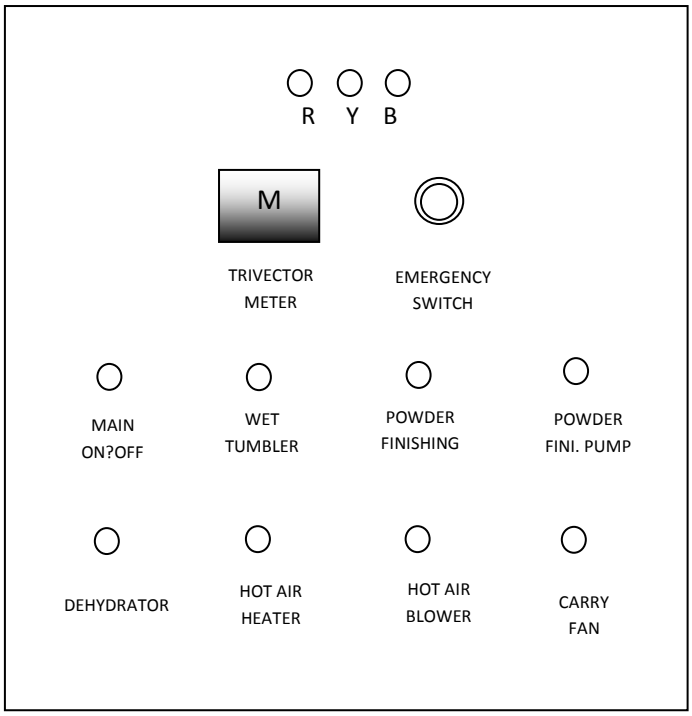

SW12
WATER JET PUMP
C24
SW13
TC13-LATEX1
C27
SW16
TC14-LATEX2
C28
SW14
MCB SET 5
SW15
24VDC


C1
DIRECT OVEN1
C10
C1
DIRECT OVEN2
C11
C1
DIRECT OVEN3
C12
C4
DIRECT OVEN4
C19
C4
DIRECT OVEN5
C20


C4
DIRECT OVEN6
C21
SPARE UNITS
SW
TC-
C
SW
TC-
C
SW
TC-
C
SW
TC-
C

PANEL BOARD NO.2:- **POWDERING CONTROL PANEL BOARD-SLD**

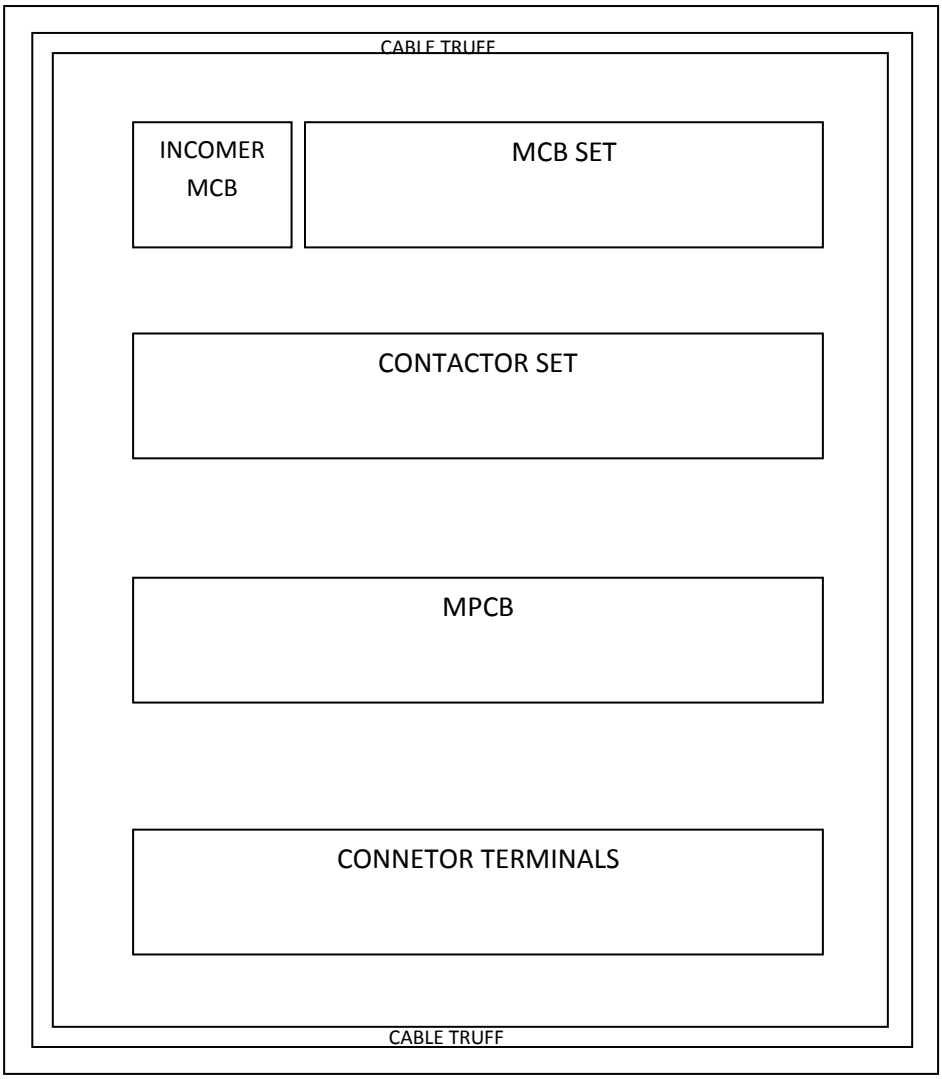
FRONT LAYOUT

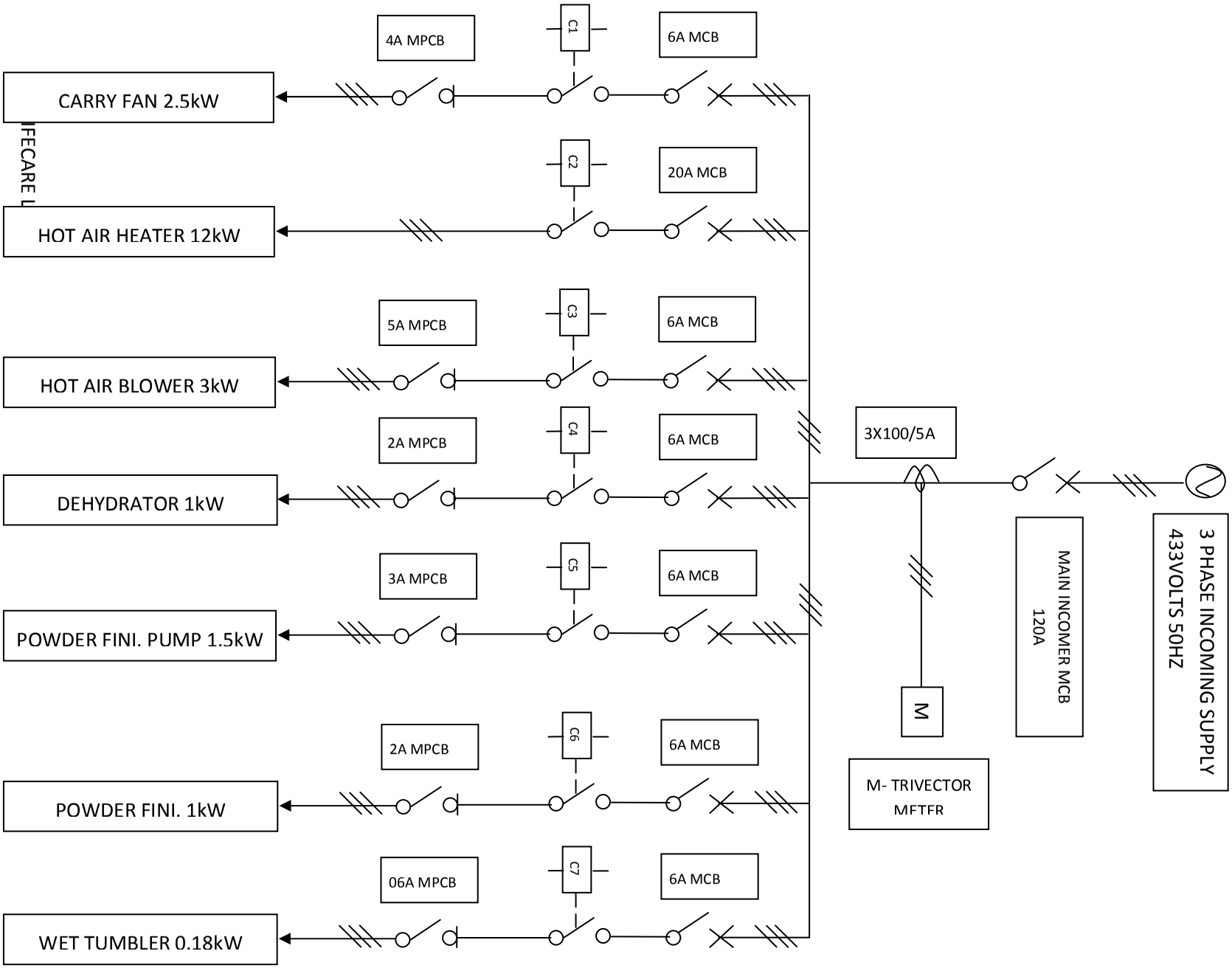


Reccommended make L&T

Sl.No.	Item	Spec.	Qty.
1	Tri-vector energy meter		1
2	Indication LED lamp (R/Y/B)	230V,22.5mm OD	3
3	Emergency switch	230V,22.5mm OD	1
4	On/Off Switch	230V,22.5mm OD	8

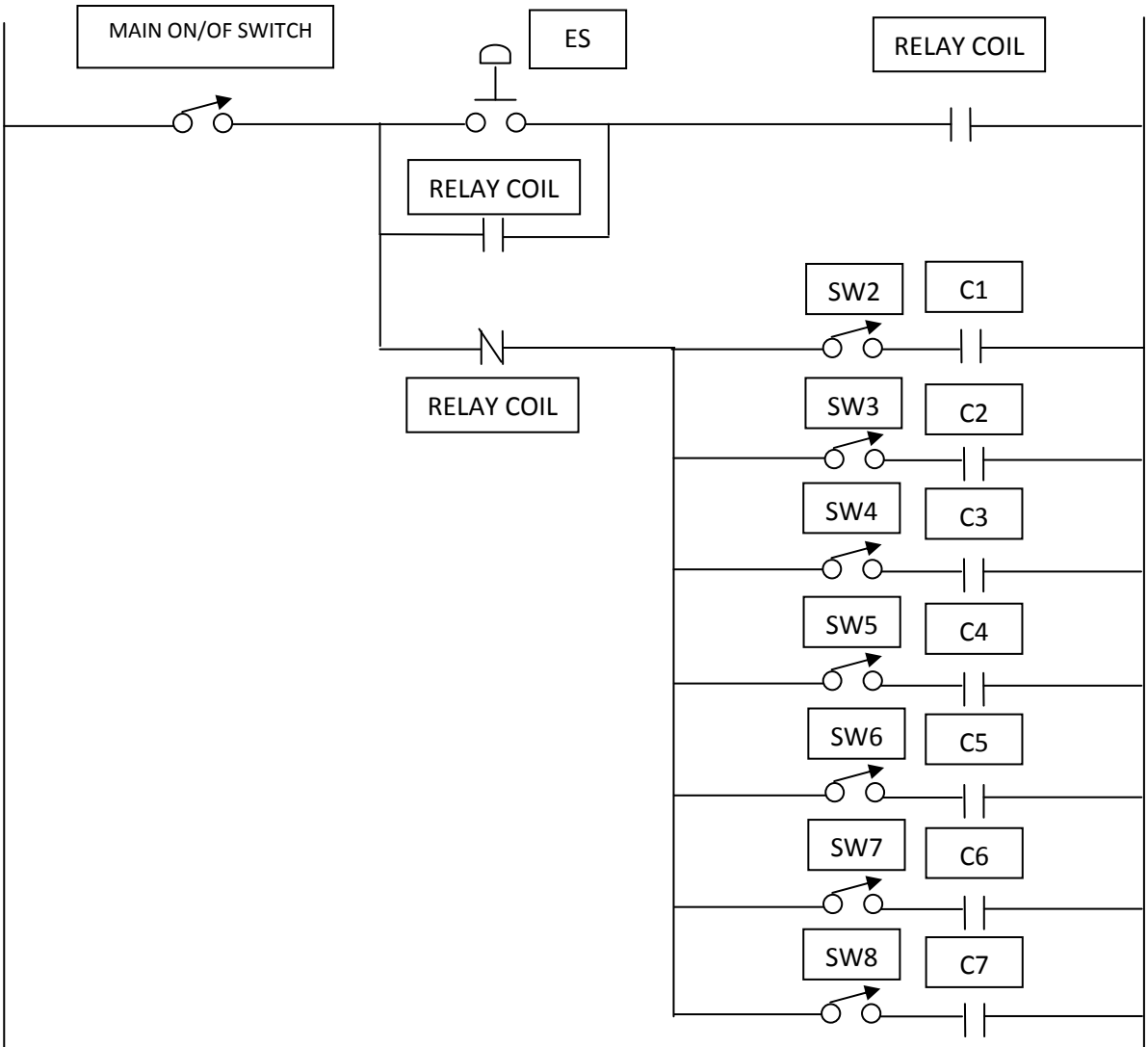
PANEL BOARD INTERNAL LAY OUT




4A MPCB
C1
6A MCB
CARRY FAN 2.5kW
IFECARE L
C2
20A MCB
HOT AIR HEATER 12kW
5A MPCB
C3
6A MCB
HOT AIR BLOWER 3kW
2A MPCB
C4
6A MCB
DEHYDRATOR 1kW
3A MPCB
C5
6A MCB
POWDER FINI. PUMP 1.5kW
2A MPCB
C6
6A MCB
POWDER FINI. 1kW
06A MPCB
C7
6A MCB
WET TUMBLER 0.18kW
3X100/5A
M
M- TRIVECTOR METER
MAIN INCOMER MCB 120A
3 PHASE INCOMING SUPPLY 433VOLTS 50HZ

CONTACTOR COIL WIRING-POWDER FINISHING PANEL BOARD

All contactor coils are to be wired through emergency switch.



SW1- Main ON/OFF switch

SW2- Wet Tumbler

SW3- Powder Finishing Pump

SW4-Dehydrator

SW5-Hot air heater

SW6-Hot air blower

SW7-Carry fan

ES-Emergency switch

Relay coil with NO/NC