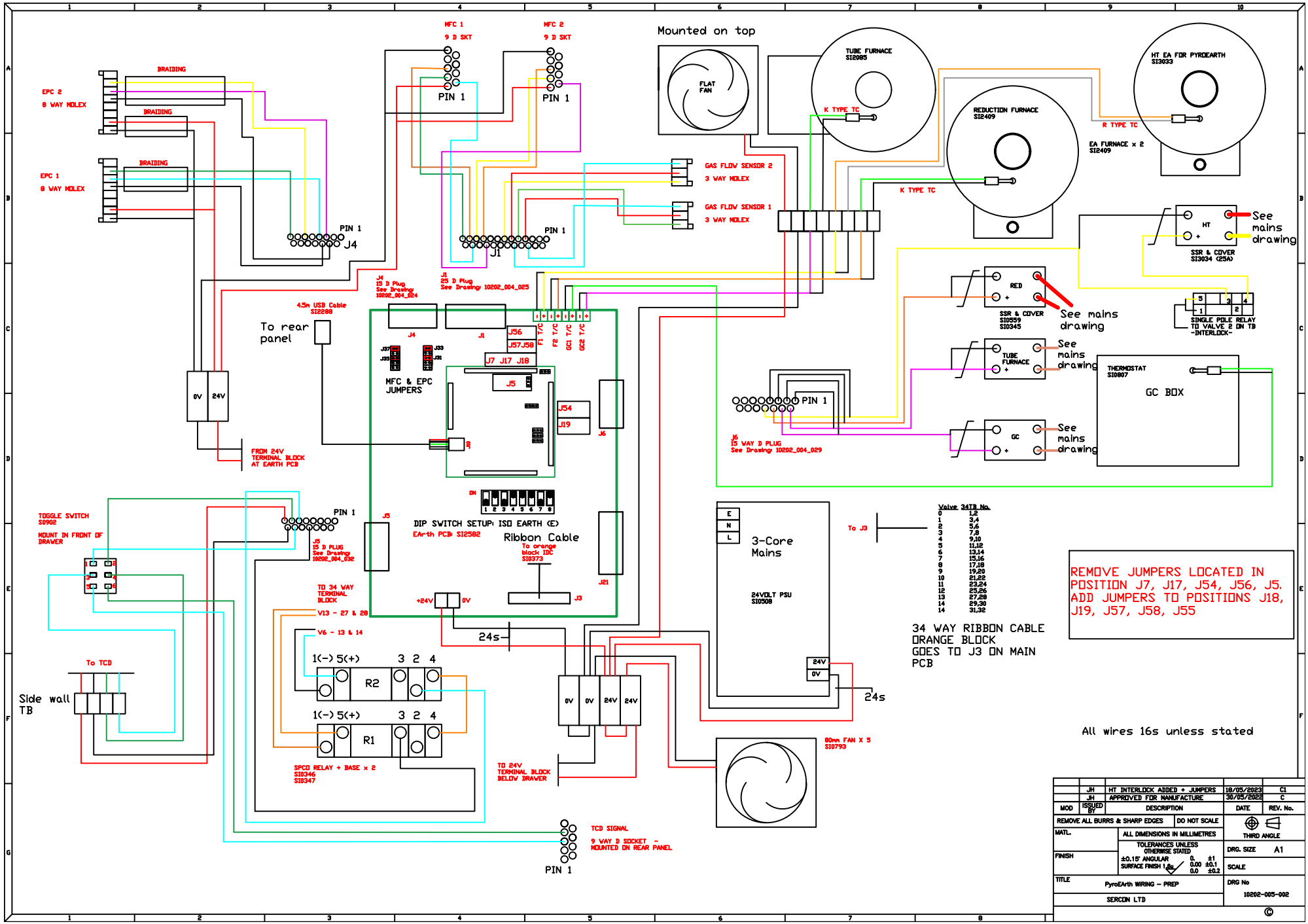

MFC 1
9 D SKT
MFC 2
9 D SKT
PIN 1
PIN 1
Mounted on top
FLAT FAN
TUBE FURNACE SI2085
K TYPE TC
REDUCTION FURNACE SI2409
R TYPE TC
EA FURNACE x 2 SI2409
HT EA FOR PYROEARTH SI3033
K TYPE TC
BRAIDING
EPC 2
8 WAY MOLEX
BRAIDING
BRAIDING
EPC 1
8 WAY MOLEX
PIN 1
J4
PIN 1
J1
GAS FLOW SENSOR 2
3 WAY MOLEX
GAS FLOW SENSOR 1
3 WAY MOLEX
HT
See mains drawing
SSR & COVER SI3034 (25A)
J4
15 D Plug See Drawing 10202_004_024
J1
25 D Plug See Drawing 10202_004_025
4.5m USB Cable SI2288
To rear panel
J56
J57 J58
J7 J17 J18
J5
J54
J19
J6
F1 T/C
F2 T/C
GC1 T/C
GC2 T/C
J37
J33
J32
J31
MFC & EPC JUMPERS
0V
24V
FROM 24V TERMINAL BLOCK AT EARTH PCB
RED
SSR & COVER SI0559 SI0345
See mains drawing
SINGLE POLE RELAY TO VALVE 2 ON TB -INTERLOCK-
TUBE FURNACE
See mains drawing
THERMOSTAT SI0807
GC BOX
PIN 1
J6
15 WAY D PLUG See Drawing 10202_004_029
GC
See mains drawing
TOGGLE SWITCH SI0902
MOUNT IN FRONT OF DRAWER
PIN 1
J5
15 D PLUG See Drawing 10202_004_032
ON
1 2 3 4 5 6 7 8
DIP SWITCH SETUP: ISO EARTH (E)
EArth PCB: SI2582
Ribbon Cable
To orange block IDC SI0373
J21
J3
+24V
0V
TO 34 WAY TERMINAL BLOCK
V13 - 27 & 28
V6 - 13 & 14
24s
1(-) 5(+)
3 2 4
R2
1(-) 5(+)
3 2 4
R1
SPCD RELAY + BASE x 2
SI0346
SI0347
To TCD
Side wall TB
E
N
L
3-Core Mains
24VOLT PSU SI0508
24V
0V
24s
0V
0V
24V
24V
TO 24V TERMINAL BLOCK BELOW DRAWER
80mm FAN X 5
SI0793
TCD SIGNAL
9 WAY D SOCKET - MOUNTED ON REAR PANEL
PIN 1
To J3
Valve 34TB No.
0 1,2
1 3,4
2 5,6
3 7,8
4 9,10
5 11,12
6 13,14
7 15,16
8 17,18
9 19,20
10 21,22
11 23,24
12 25,26
13 27,28
14 29,30
15 31,32
34 WAY RIBBON CABLE ORANGE BLOCK GOES TO J3 ON MAIN PCB
REMOVE JUMPERS LOCATED IN POSITION J7, J17, J54, J56, J5. ADD JUMPERS TO POSITIONS J18, J19, J57, J58, J55
All wires 16s unless stated
JH HT INTERLOCK ADDED + JUMPERS 18/05/2023 C1
JH APPROVED FOR MANUFACTURE 30/05/2022 C
MOD ISSUED BY DESCRIPTION DATE REV. No.
REMOVE ALL BURRS & SHARP EDGES DO NOT SCALE
THIRD ANGLE
MATL.
ALL DIMENSIONS IN MILLIMETRES
TOLERANCES UNLESS OTHERWISE STATED
±0.15° ANGULAR 0. ±1 0.00 ±0.1 0.0 ±0.2
SURFACE FINISH 1.6µ
FINISH
DRG. SIZE A1
SCALE
TITLE
PyroEArth WIRING – PREP
DRG No
10202-005-002
SERCON LTD
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