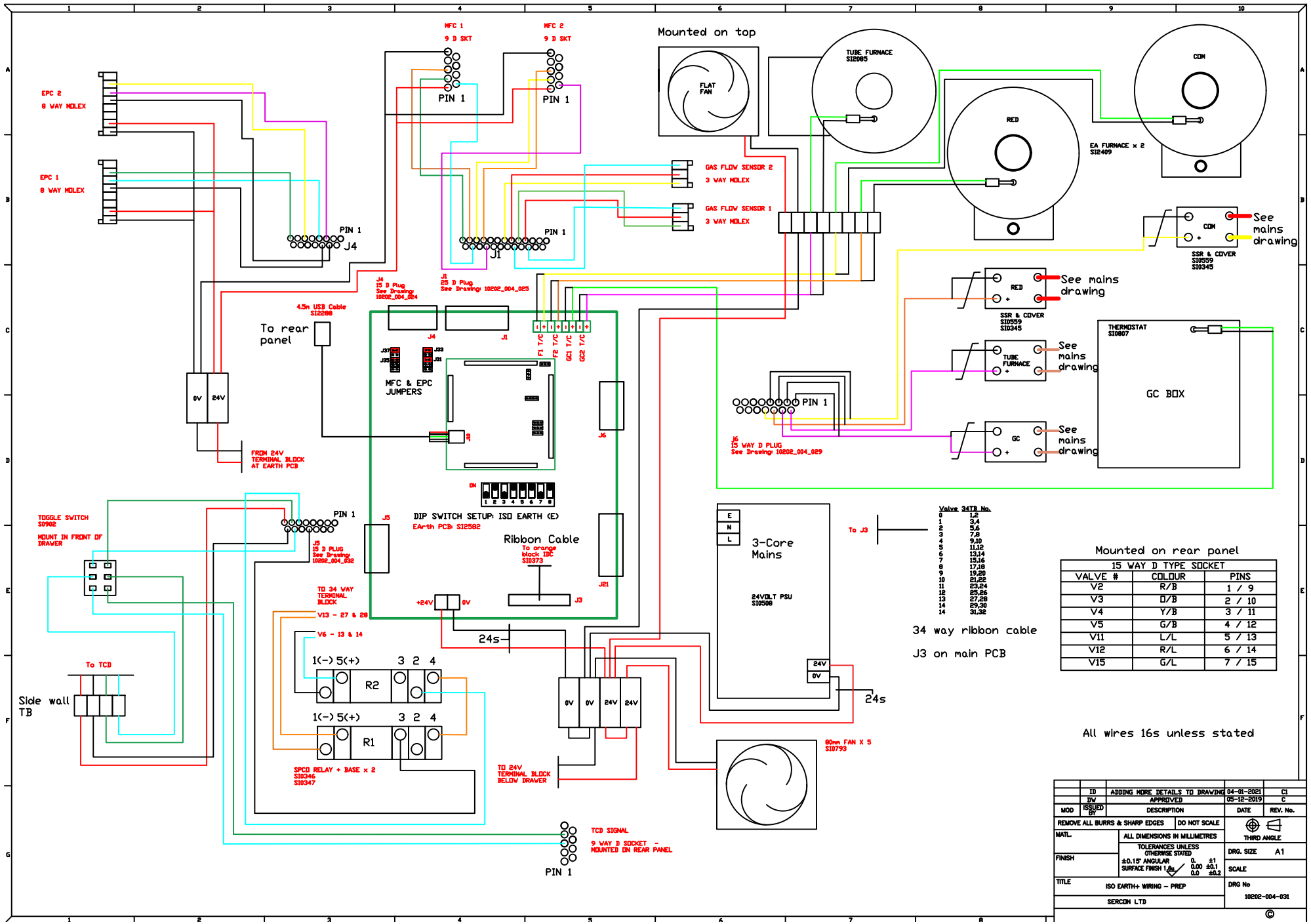
MFC 1
9 D SKT
MFC 2
9 D SKT
Mounted on top
EPC 2
8 WAY MOLEX
EPC 1
8 WAY MOLEX
PIN 1
J4
J1
FLAT FAN
TUBE FURNACE SI2085
RED
EA FURNACE x 2 SI2409
COM
GAS FLOW SENSOR 2
3 WAY MOLEX
GAS FLOW SENSOR 1
3 WAY MOLEX
See mains drawing
SSR & COVER SI0559 SI0345
THERMOSTAT SI0807
GC BOX
J4 15 D Plug See Drawing 10202_004_024
J1 25 D Plug See Drawing 10202_004_025
4.5m USB Cable SI2288
To rear panel
F1 T/C
F2 T/C
GC1 T/C
GC2 T/C
MFC & EPC JUMPERS
0V
24V
FROM 24V TERMINAL BLOCK AT EARTH PCB
J6
15 WAY D PLUG See Drawing 10202_004_029
TOGGLE SWITCH S0902
MOUNT IN FRONT OF DRAWER
J5
15 D PLUG See Drawing 10202_004_032
DIP SWITCH SETUP: ISO EARTH (E)
EArth PCB: SI2582
Ribbon Cable
To orange block IDC SI0373
J21
J3
TO 34 WAY TERMINAL BLOCK
V13 - 27 & 28
V6 - 13 & 14
+24V
0V
24s
1(-) 5(+) 3 2 4
R2
R1
SPCO RELAY + BASE x 2 SI0346 SI0347
To TCD
Side wall TB
E
N
L
3-Core Mains
24VOLT PSU SI0508
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
34 way ribbon cable
J3 on main PCB
Mounted on rear panel
15 WAY D TYPE SOCKET
VALVE # | COLOUR | PINS
V2 | R/B | 1 / 9
V3 | O/B | 2 / 10
V4 | Y/B | 3 / 11
V5 | G/B | 4 / 12
V11 | L/L | 5 / 13
V12 | R/L | 6 / 14
V15 | G/L | 7 / 15
All wires 16s unless stated
80mm FAN X 5 SI0793
TO 24V TERMINAL BLOCK BELOW DRAWER
TCD SIGNAL
9 WAY D SOCKET - MOUNTED ON REAR PANEL
ID ADDING MORE DETAILS TO DRAWING 04-01-2021 C1
DV APPROVED 05-12-2019 C
MOD ISSUED BY DESCRIPTION DATE REV. No.
REMOVE ALL BURRS & SHARP EDGES DO NOT SCALE
MATL.
ALL DIMENSIONS IN MILLIMETRES
TOLERANCES UNLESS OTHERWISE STATED
±0.15" ANGULAR 0. ±1 0.00 ±0.1 0.0 ±0.2
SURFACE FINISH 1.6
FINISH
THIRD ANGLE
DRG. SIZE A1
SCALE
TITLE
ISO EARTH+ WIRING - PREP
SERCON LTD
DRG No
10202-004-031
©