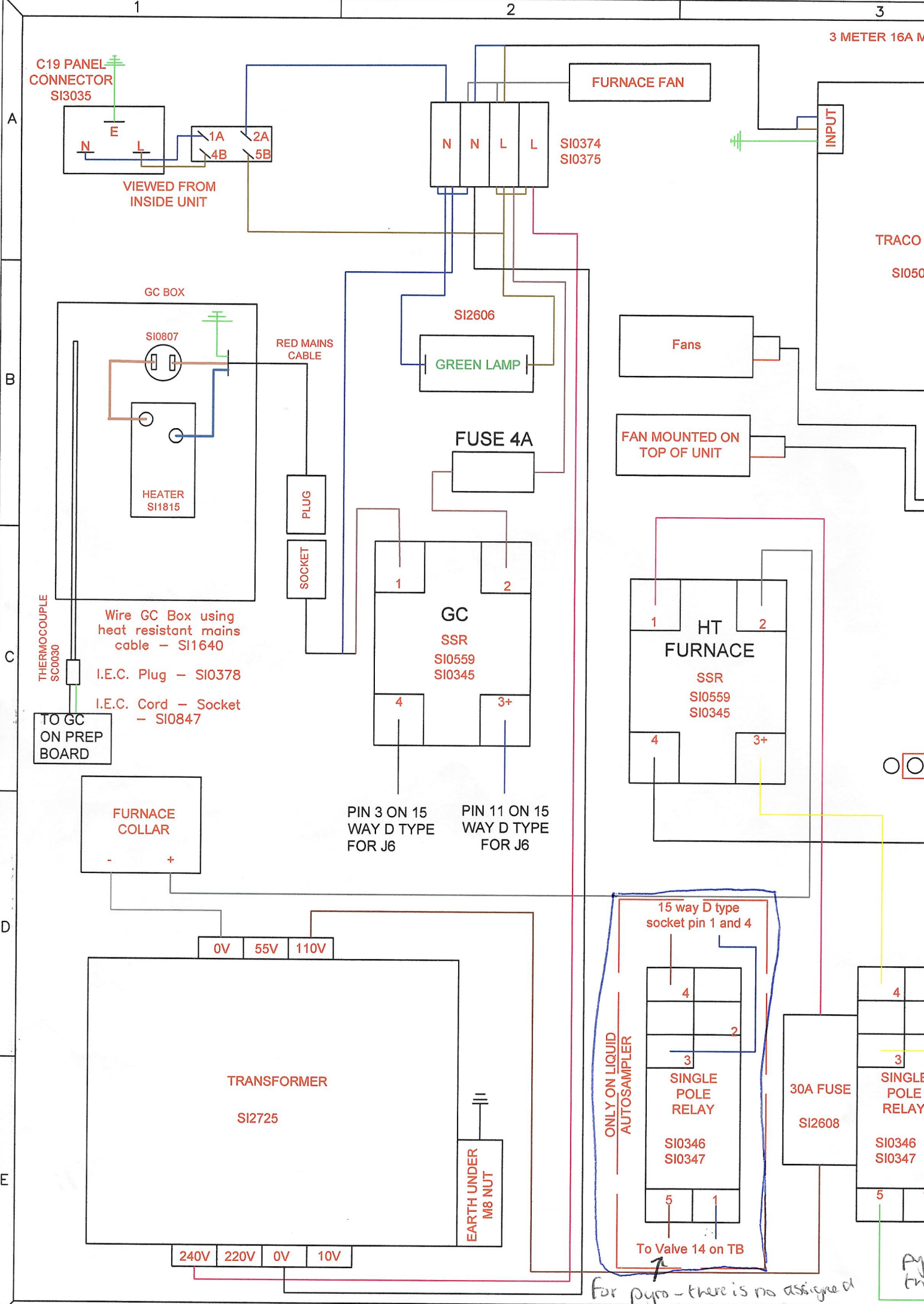




C19 PANEL
CONNECTOR
SI3035

VIEWED FROM
INSIDE UNIT

FURNACE FAN

3 METER 16A MA

INPUT

TRACO PS

SI0508

GC BOX

SI0807

RED MAINS
CABLE

HEATER
SI1815

SI2606

GREEN LAMP

Fans

FAN MOUNTED ON
TOP OF UNIT

FUSE 4A

PLUG

SOCKET

GC

SSR

SI0559
SI0345

HT
FURNACE

SSR

SI0559
SI0345

THERMOCOUPLE
SC0030

Wire GC Box using
heat resistant mains
cable - SI1640

I.E.C. Plug - SI0378

I.E.C. Cord - Socket
- SI0847

TO GC
ON PREP
BOARD

FURNACE
COLLAR

PIN 3 ON 15
WAY D TYPE
FOR J6

PIN 11 ON 15
WAY D TYPE
FOR J6

TRANSFORMER

SI2725

EARTH UNDER
M8 NUT

15 way D type
socket pin 1 and 4

ONLY ON LIQUID
AUTOSAMPLER

SINGLE
POLE
RELAY

SI0346
SI0347

To Valve 14 on TB

30A FUSE
SI2608

SINGLE
POLE
RELAY

SI0346
SI0347

for pyro - there is no assigned
valve

IS CABLE

24V

FAN TB

JUMPERS

J18	J58	
J19	J6	○ ○ ○
J23		
J25	J8	○ ○ ○
J27	J11	○ ○ ○
J29		
J52		
J53		
J55		
J57		

REMOVE:
J17 AND J7

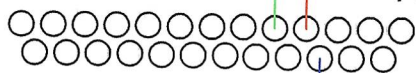
34 WAY
VALVE TB

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

WAVE 2

FLOW METER
FLOW SENS 1
'J1'

PIN 1



THROUGH CABLE SI2411
GLAND - TO PC SI2412

15 WAY D TYPE PLUG
'TO MASS SPEC'

15 WAY D TYPE PLUG
'TO LIQUID SAMPLER'

SOLDER
JOINT

PIN 1
PIN 4

PIN 1
PIN 4

Change to pins 5 + 9

FURNACE R TYPE TC

GC
THERMO

J1

J6

15 WAY D
TYPE PLUG

PIN 2
PIN 10

White
Black
Grey

1 2 3 4 5 6 7 8
E NODE

SI2582



IN 1369

INITIAL: *ow*

DATE: 23/9/25

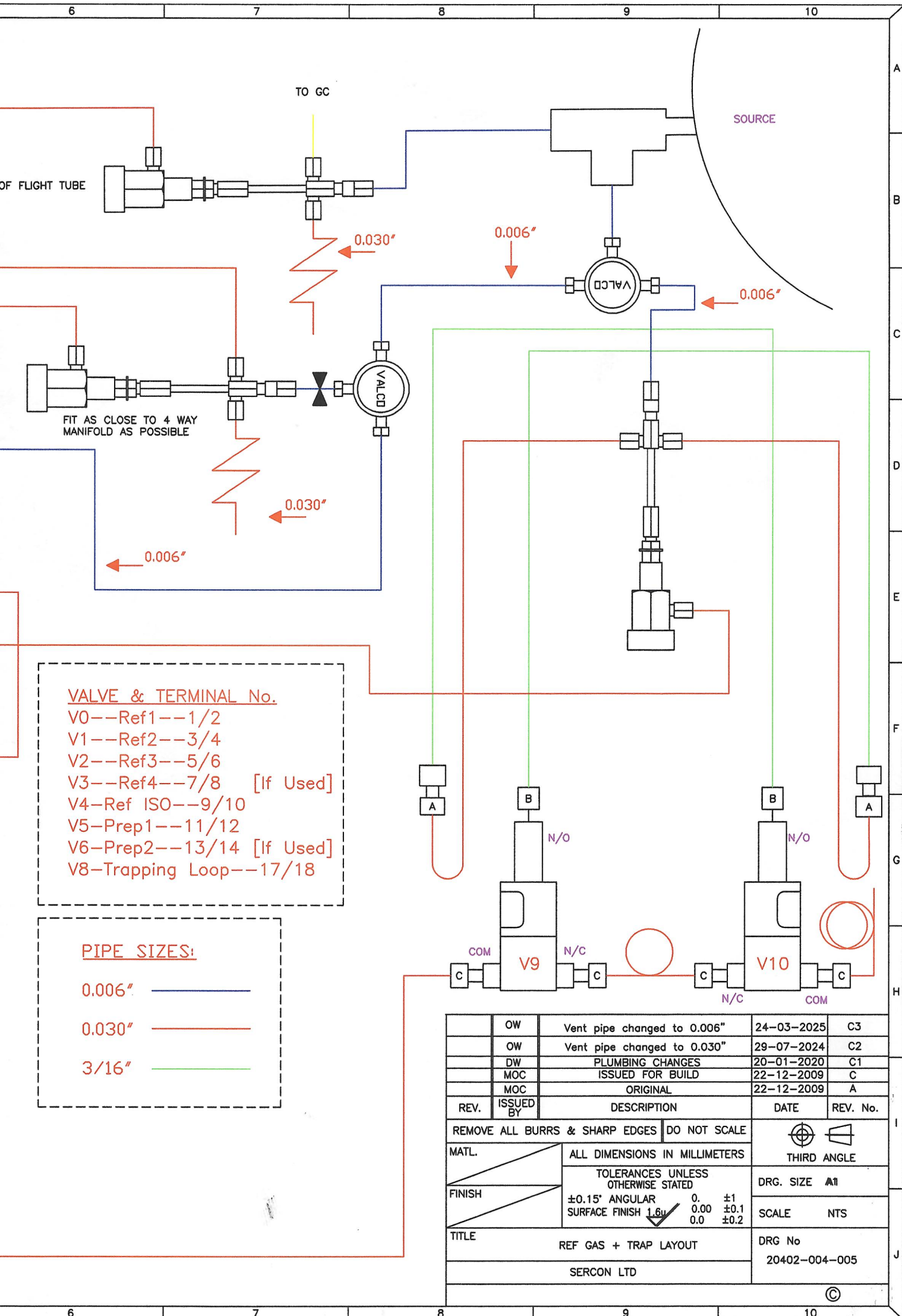
24V SUPPLY

RIBBON CABLE

*for Auto Sampler
relay only
ow*

J3

ISSUED BY	DESCRIPTION	DATE	REV. No.
OW	J6 GC SSR POSITION CHANGE	22/07/25	D8
OW	USB WIRE IDENT	28/03/25	D7
OW	PREP BOARD JUMPER UPDATE	18-11-24	D6
OW	GC box SSR wiring update	30-09-24	D5
REMOVE ALL BURRS & SHARP EDGES DO NOT SCALE			
MATL.	ALL DIMENSIONS IN MILLIMETRES	THIRD ANGLE	
FINISH	TOLERANCES UNLESS OTHERWISE STATED	DRG. SIZE	A4
	±0.15° ANGULAR 0. ±0.5	SCALE	
	SURFACE FINISH 1.6u 0.0 ±0.1		
			±0.05
TITLE HT-EA WIRING		DRG No	11501-004-003-D6
STRICTLY CONFIDENTIAL COPYRIGHT SERCON LTD			



LEAVE ROOM ON
PIPE FOR CRIMP

FIT ON TO
IF GC FITT

Flow1

12

13

10

To F-P Sensors
Use 25 D Socket

P1



FIT IF HT-EA IS FITTED



IN 1389
INITIAL: WIL
DATE: 01/10/12

FIT AS CLOSE TO 4 WAY
MANIFOLD AS POSSIBLE

0.030"

0.006"

0.006"

0.006"

REF 1 N2

REF 2 CO2

REF 3 HD

He

Aux

V0

V1

V2

V3

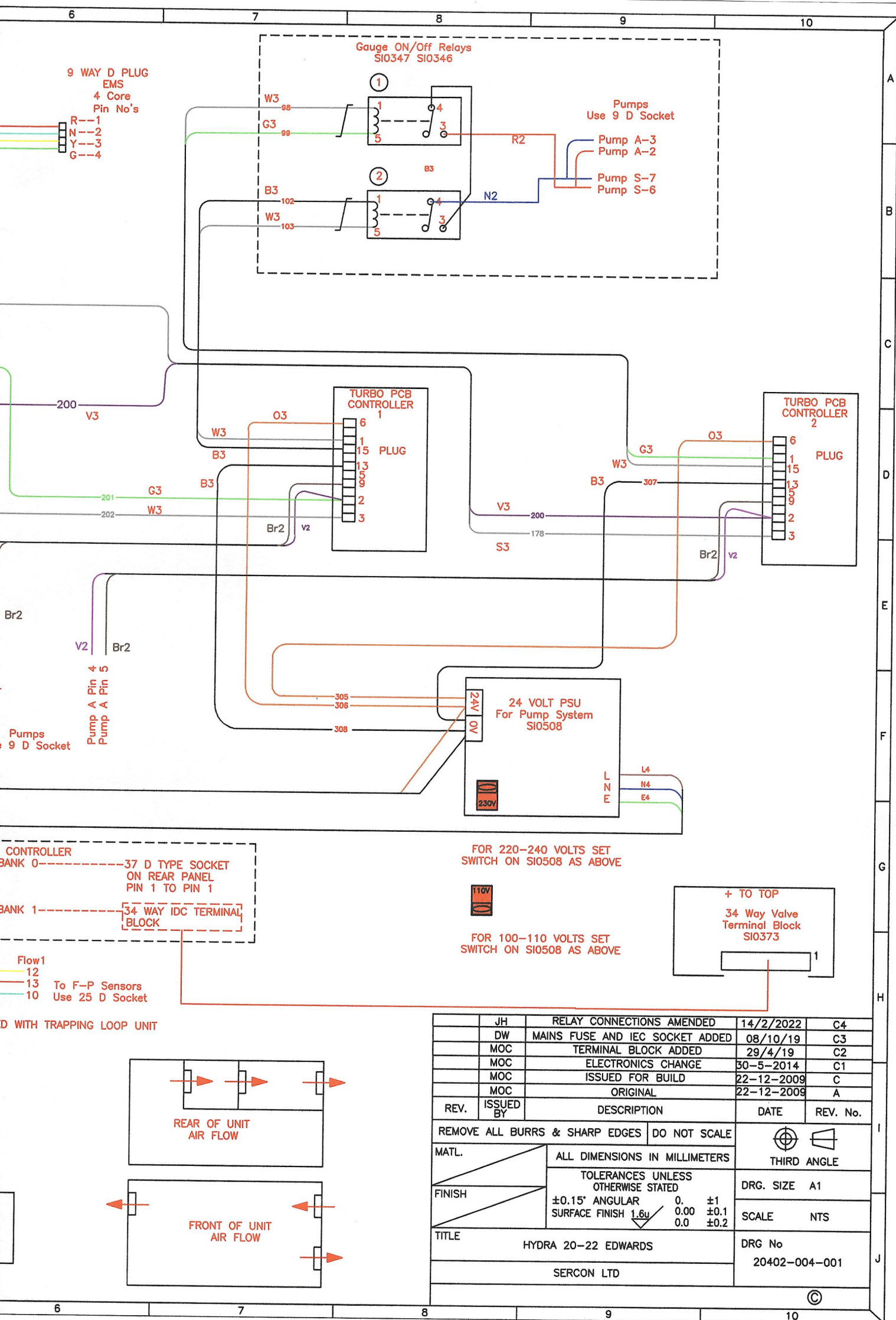
V8

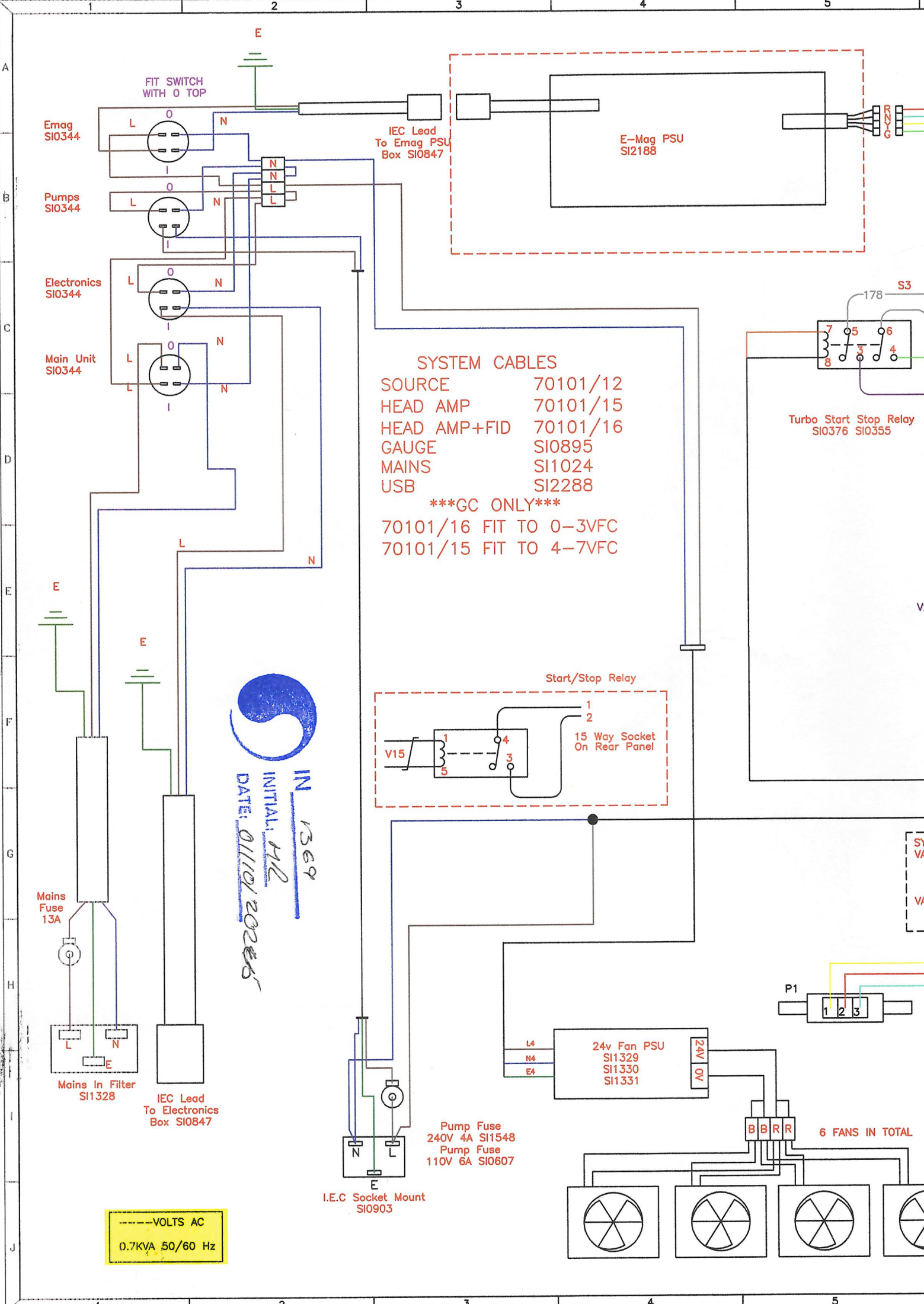
V6

V5

V4

10-15ml/min





FIT SWITCH
WITH 0 TOP

Emag
SI0344

Pumps
SI0344

Electronics
SI0344

Main Unit
SI0344

IEC Lead
To Emag PSU
Box SI0847

E-Mag PSU
SI2188

SYSTEM CABLES

SOURCE	70101/12
HEAD AMP	70101/15
HEAD AMP+FID	70101/16
GAUGE	SI0895
MAINS	SI1024
USB	SI2288

GC ONLY

70101/16 FIT TO 0-3VFC

70101/15 FIT TO 4-7VFC

Turbo Start Stop Relay
SI0376 SI0355

Start/Stop Relay

15 Way Socket
On Rear Panel

Mains
Fuse
13A

Mains In Filter
SI1328

IEC Lead
To Electronics
Box SI0847

24v Fan PSU
SI1329
SI1330
SI1331

Pump Fuse
240V 4A SI1548
Pump Fuse
110V 6A SI0607

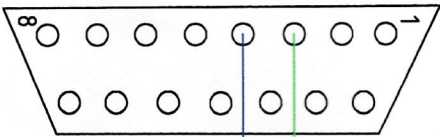
I.E.C Socket Mount
SI0903

6 FANS IN TOTAL

-----VOLTS AC
0.7KVA 50/60 Hz

IN 1369
INITIAL: MLE
DATE: 01/10/2026

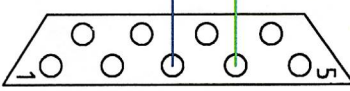
To 'Amp Control' on 2022 rear panel
-15 way D type plug
-15 way D type hood



4 core cable, remove red and yellow. sleeve both sides.



To TCD D type on rear panel.
-9 way D type plug
-9 way D type hood

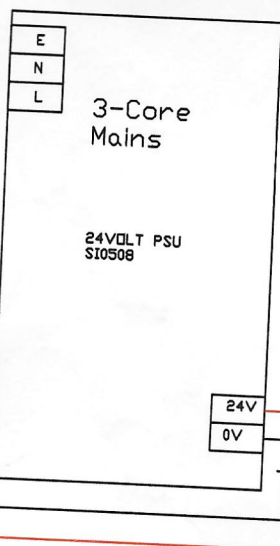
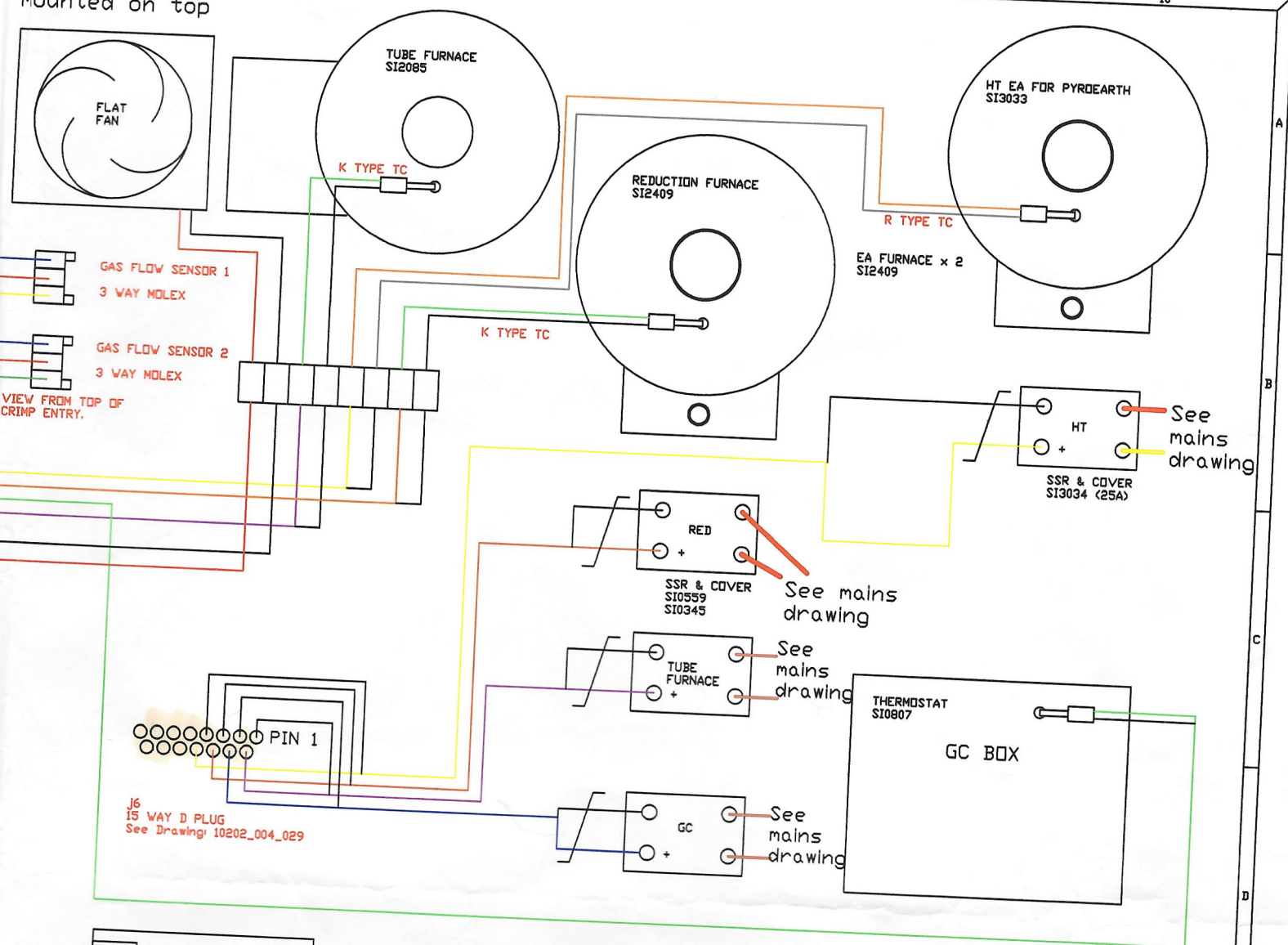


IN 1369
INITIAL: aw
DATE: 10/9/25



DW		ISSUED FOR MANUFACTURE	10/06/2024	C
ISSUED BY		DESCRIPTION	DATE	REV. No.
REMOVE ALL BURRS & SHARP EDGES		DO NOT SCALE		
MATERIAL		ALL DIMENSIONS IN MILLIMETERS		
FINISH		TOLERANCES UNLESS OTHERWISE STATED		
DRN		±0.15° ANGULAR	0.0	±0.5
TITLE		SURFACE FINISH	100	0.00 ±0.05
STRICTLY CONFIDENTIAL COPYRIGHT SERCON LTD		DRG No	2022-Pyro Earth	
		TCD cable		

Mounted on top

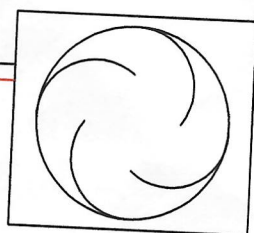


To J3

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
14	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



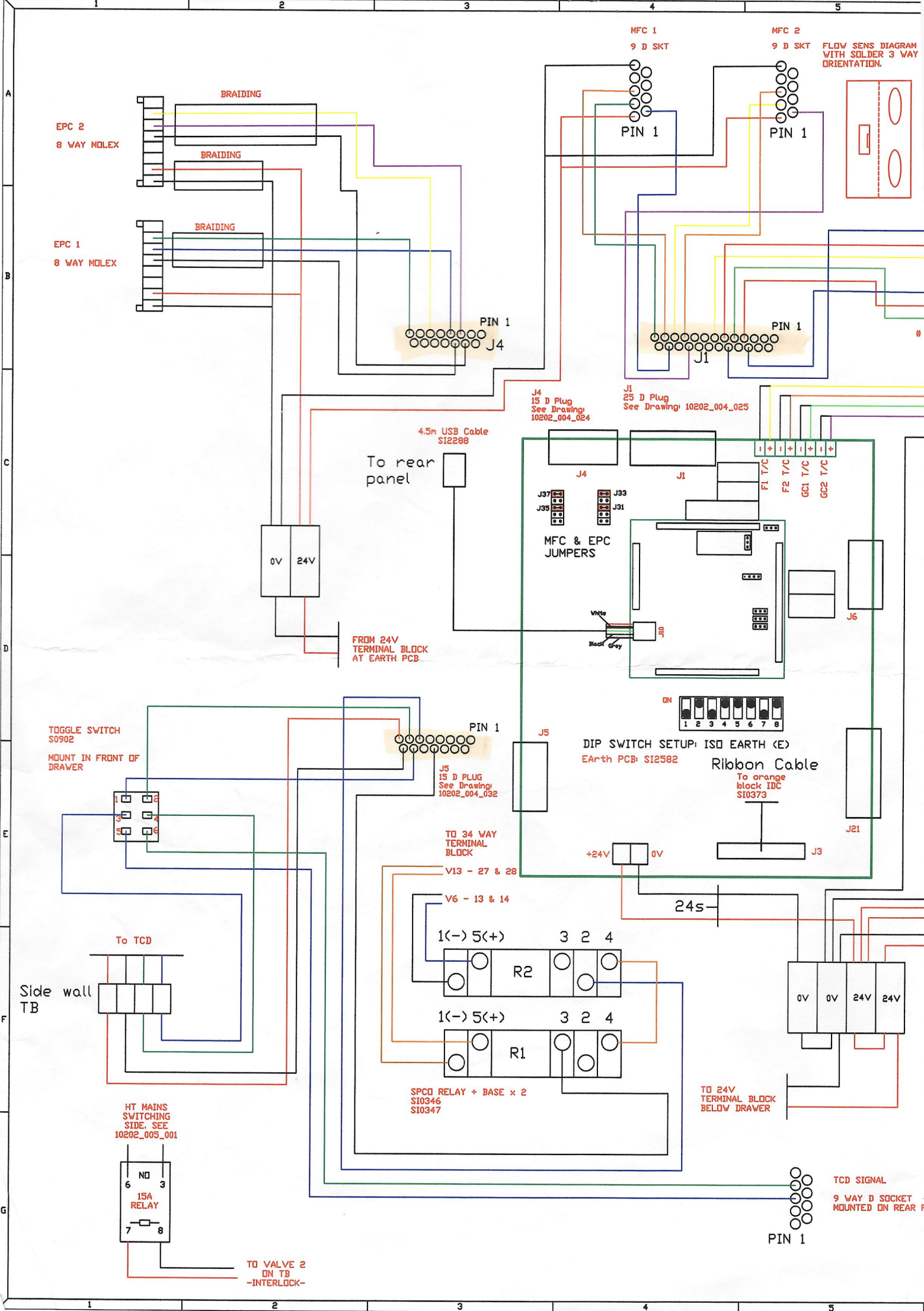
90mm FAN X 5
SI0793

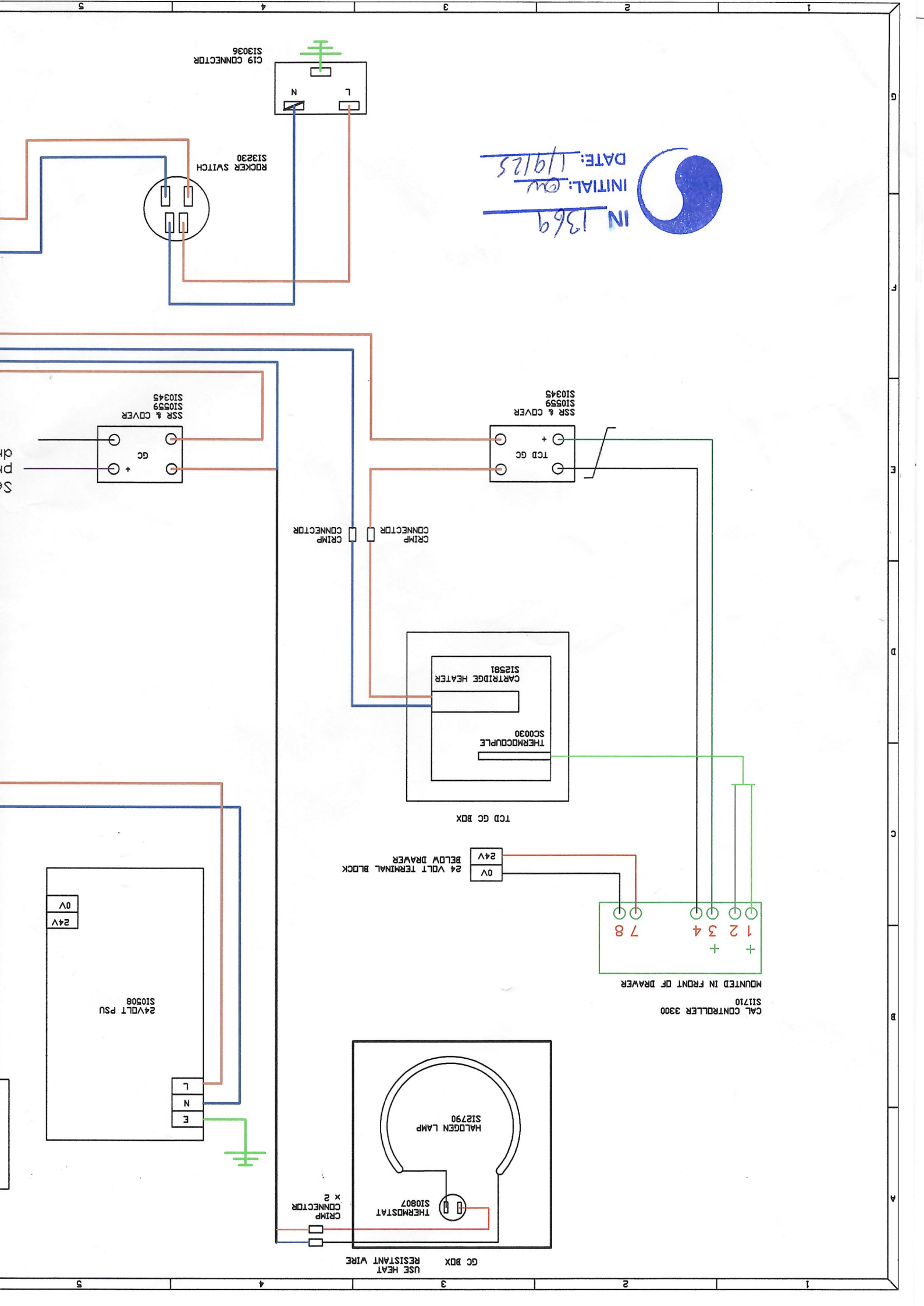


IN 1369
INITIAL: *ow*
DATE: 1/9/25

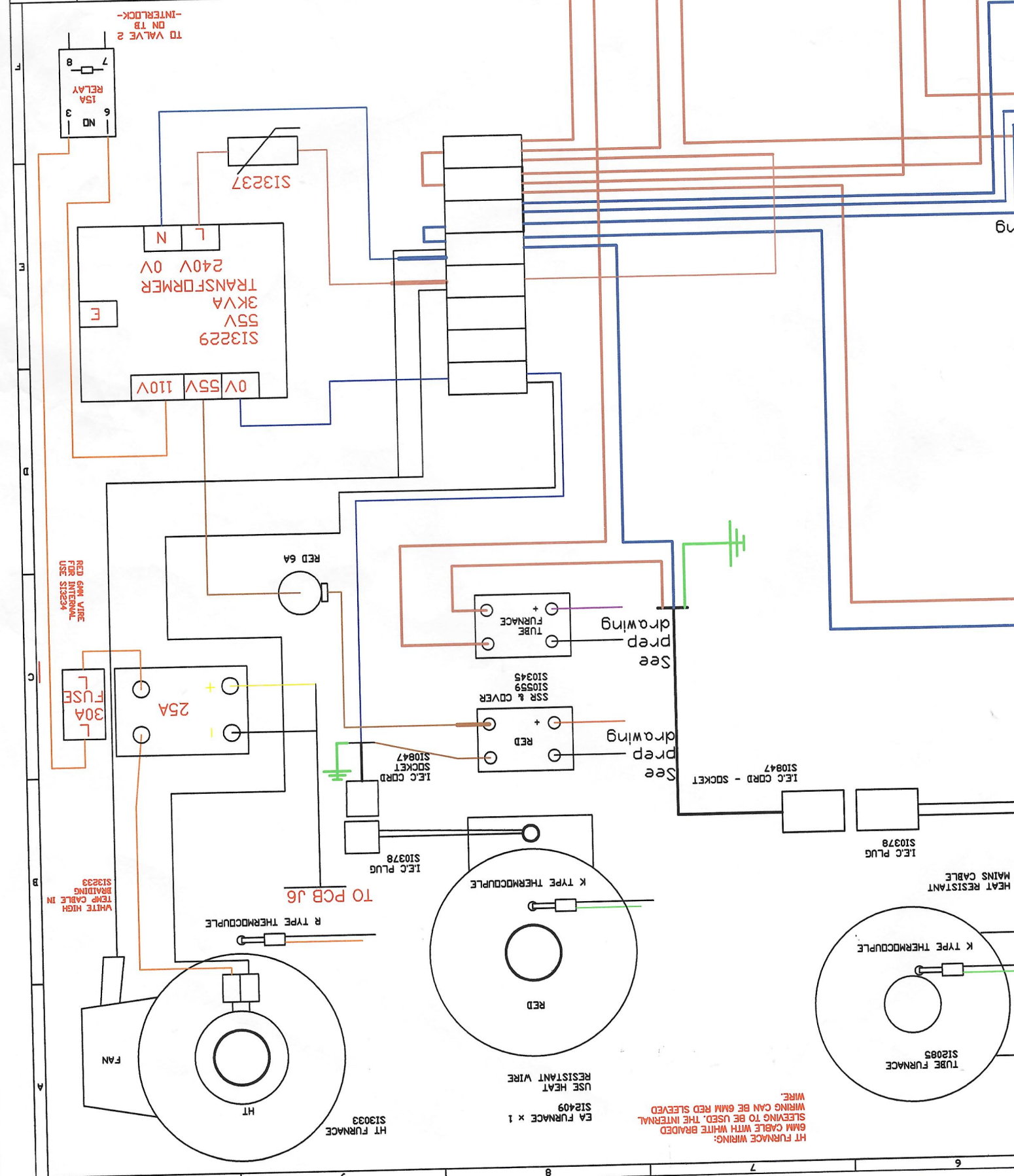
All wires 16s unless stated

	OW	INTERLOCK	12/06/2025		C6
	OW	USB WIRE IDENT	28/03/2025		C5
	OW	INTERLOCK WIRING CHANGE	07/02/2025		C4
	OW	FLOW SENSOR WIRE CHANGE	24/12/2024		C3
MOD	ISSUED BY	DESCRIPTION	DATE		REV. No.
		REMOVE ALL BURRS & SHARP EDGES	DO NOT SCALE		
MATL.		ALL DIMENSIONS IN MILLIMETRES		THIRD ANGLE	
FINISH		TOLERANCES UNLESS OTHERWISE STATED		DRG. SIZE	A1
		±0.15° ANGULAR	0. ±1		
		SURFACE FINISH 1.6μ	0.00 ±0.1	SCALE	
			0.0 ±0.2		
TITLE		PyroEarth WIRING - PREP		DRG No	
		SERCION LTD			
					10202-005-002

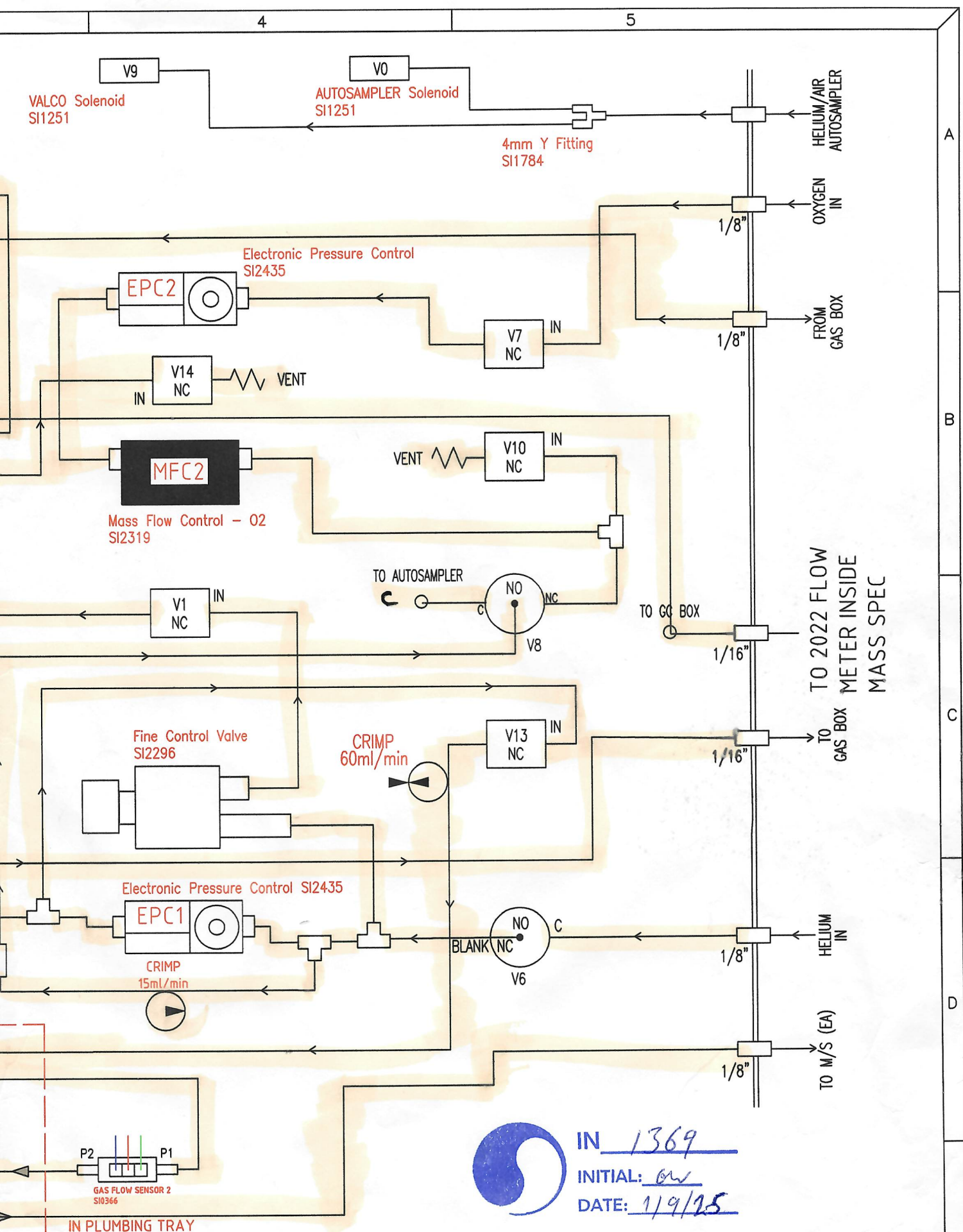




SERCON LTD	
PyroEarth WIRING - MAINS	
DRG No	10202-005-001
FINISH	±0.15' ANGULAR 0.00 ±0.1 ±0.2
MATL.	ALL DIMENSIONS IN MILLIMETRES DO NOT SCALE
DESCRIPTION	MOD ISSUED BY
INTERLOCK CHANGE	DV
WIRE RATING CHANGE	DV
MAINS IN CONNECTOR UPDATED	JH
GC FUSE CHANGED TO 6A	JH
APPROVED FOR MANUFACTURE	JH
DATE	REV. No.
30/05/2022	C
01/09/2022	C1
18/05/2023	C2
23/12/2024	C3
07/02/2025	C4

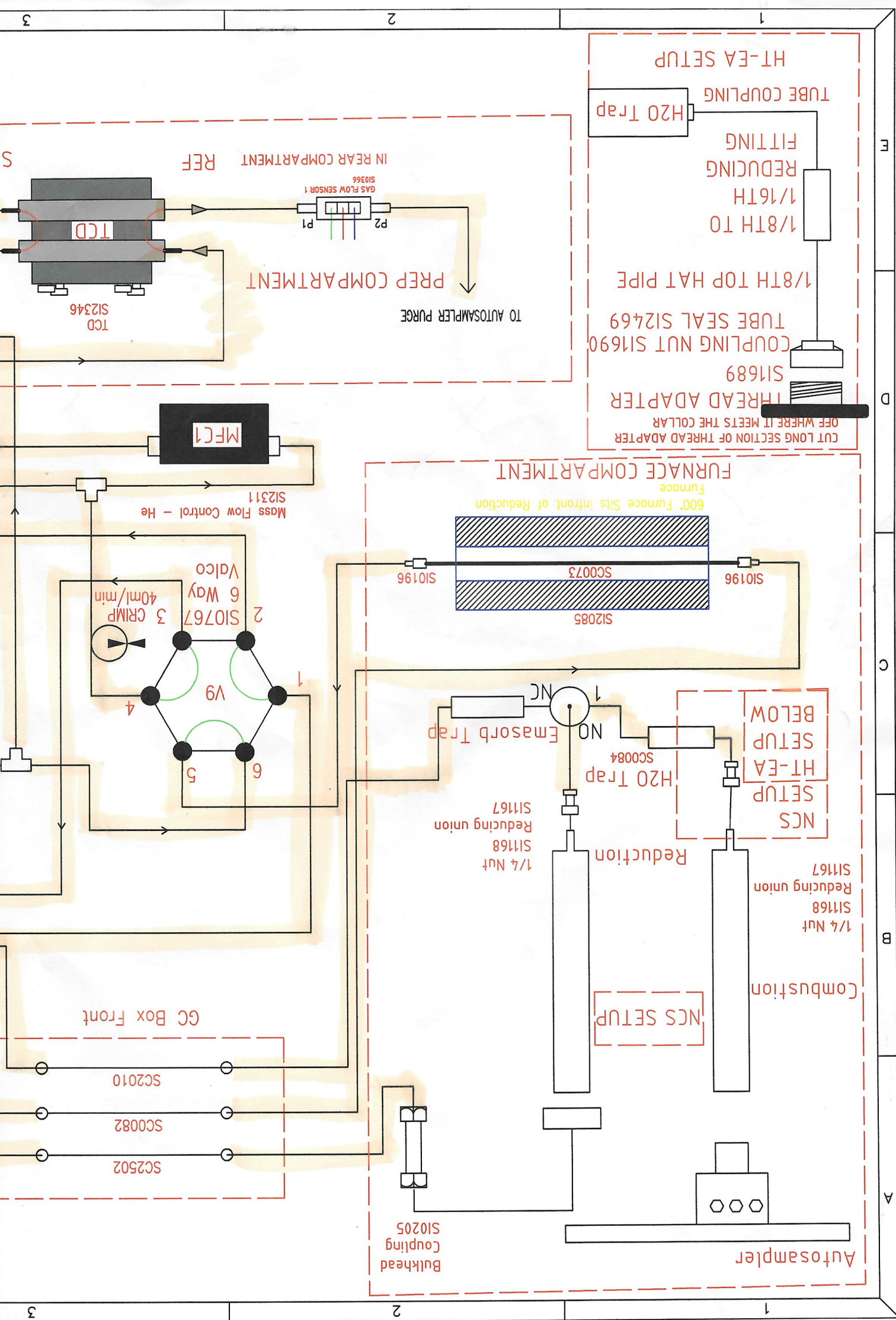


HT FURNACE WIRING:
6MM CABLE WITH WHITE BRAIDED
SLEEVING TO BE USED. THE INTERNAL
WIRING CAN BE 6MM RED SLEEVED.



IN 1369
 INITIAL: ow
 DATE: 1/9/25

OW	SIMPLIFIED DRAWING	25/04/2023	D
JH	ISSUED FOR MANUFACTURE	30/05/2022	C
ISSUED BY	DESCRIPTION	DATE	REV. No.
Pyro Earth PLUMBING		DRG No	
STRICTLY CONFIDENTIAL COPYRIGHT SERCON LTD		10202/005/003	



OW	SIMPLIFIED DRAWING	25/04/2023	D
JH	ISSUED FOR MANUFACTURE	30/05/2022	C
ISSUED BY	DESCRIPTION	DATE	REV. No.
Pyro Earth PLUMBING		DRG No	
STRICTLY CONFIDENTIAL COPYRIGHT SERCON LTD		10202/005/003	

