

<b>Model</b>	<b>OPA 1710RLTM4FPQD-I(Z) Econex Pro</b>
Configuration	Horizontal Supply Air
Reheat Item No. (Standard / Opposite Hand)	886-171-701 / 886-171-710
Unit c/w Economiser Item No. (Standard / Opposite Hand)	887-171-701 / 887-171-710
Configuration	Downward Supply Air
Item No. (Standard / Opposite Hand)	886-171-723 / 886-171-732
Unit c/w Economiser Item No. (Standard / Opposite Hand)	887-171-723 / 887-171-732
Cooling capacity (net) <sup>1</sup>	177.9 kW
Cooling capacity (gross) range	14.6 ~ 205.8 kW
Heating capacity <sup>1</sup>	184.1 kW
Heating capacity (gross) range	14.6 ~ 214.4 kW
Electrical input - cooling	58.1 kW
Electrical input - heating	56.7 kW
EER / AEER (cooling) <sup>1</sup>	3.07 / 3.06
COP / ACOP (heating) <sup>1</sup>	3.25 / 3.24
Operating Range (outdoor ambient) - cooling	-10°C ~ 50°C
Operating Range (outdoor ambient) - heating	-10°C ~ 25°C
Master Controller	c.pCO
Slave Controllers	UC8 (x4)
Refrigerant	R32
Refrigerant Charge - Reheat model	Sys. 1 & 4: 7.6 kg/sys. Sys. 2 & 3: 8.6 kg/sys.
Minimum floor area (@2.4m/5m below ceiling diffuser)	31-39 m <sup>2</sup> / 7-9 m <sup>2</sup>
Compressor oil type	POE-46 (NXG5020 or equivalent)
Compressor type	Inverter scroll (x4)
Power supply <sup>2</sup>	3 ph. 400V ac 50Hz + N + E
Compressor (3ph.) run amps at rating cond.	18 A/ph. (x4)
Compressor circuit breaker	32 A (x4)
Indoor fan motor size	EC Plug 500mm (x4)
Nominal air flow at rating conditions	8 400 l/s (7.5 V)
Indoor fan motor (3ph.)	4.4 A/ph. (x4)
Outdoor fan motor (3ph.) - full load	4.7 A/ph. (x4)
Outdoor fan motor – max. ext. static pressure available	120 Pa (@19,600 l/s)
Control circuit breaker (internal)	4 A
Auxiliary power outlet (1ph.) overload setting	10 A
Running amps (total system)	94 / 81 / 91 A
Max. running amps (total system)	132 / 123 / 132 A
RCD type recommended	type B, 30mA, 3 pole
Net weight - Reheat model	2 347 kg
Shipping weight (excl. cowl)	2 407 kg
Net weight (c/w Economiser)	2 437 kg

## Accessories:

Remote wired Service Interface Display (pGDN1)	201-000-867
Filters - rated EU4/G4 disposable	019-400-005 500x600x50 (x12) <sup>3</sup>
Filters - rated EU4/G4 washable (NZ only)	019-000-034 500x600x50 (x12) <sup>3</sup>

<sup>1</sup> Tested in accordance with AS/NZS 3823<sup>2</sup> Voltage range: 380–440V<sup>3</sup> Filter sizes are nominal; refer to Temperzone for actual measurements.

**OPA 1710RLTM4FPQD01-I(Z)** Horizontal Supply / Standard Hand

Multiple units side-by-side:  
Allow a minimum of 2m  
between coil faces.



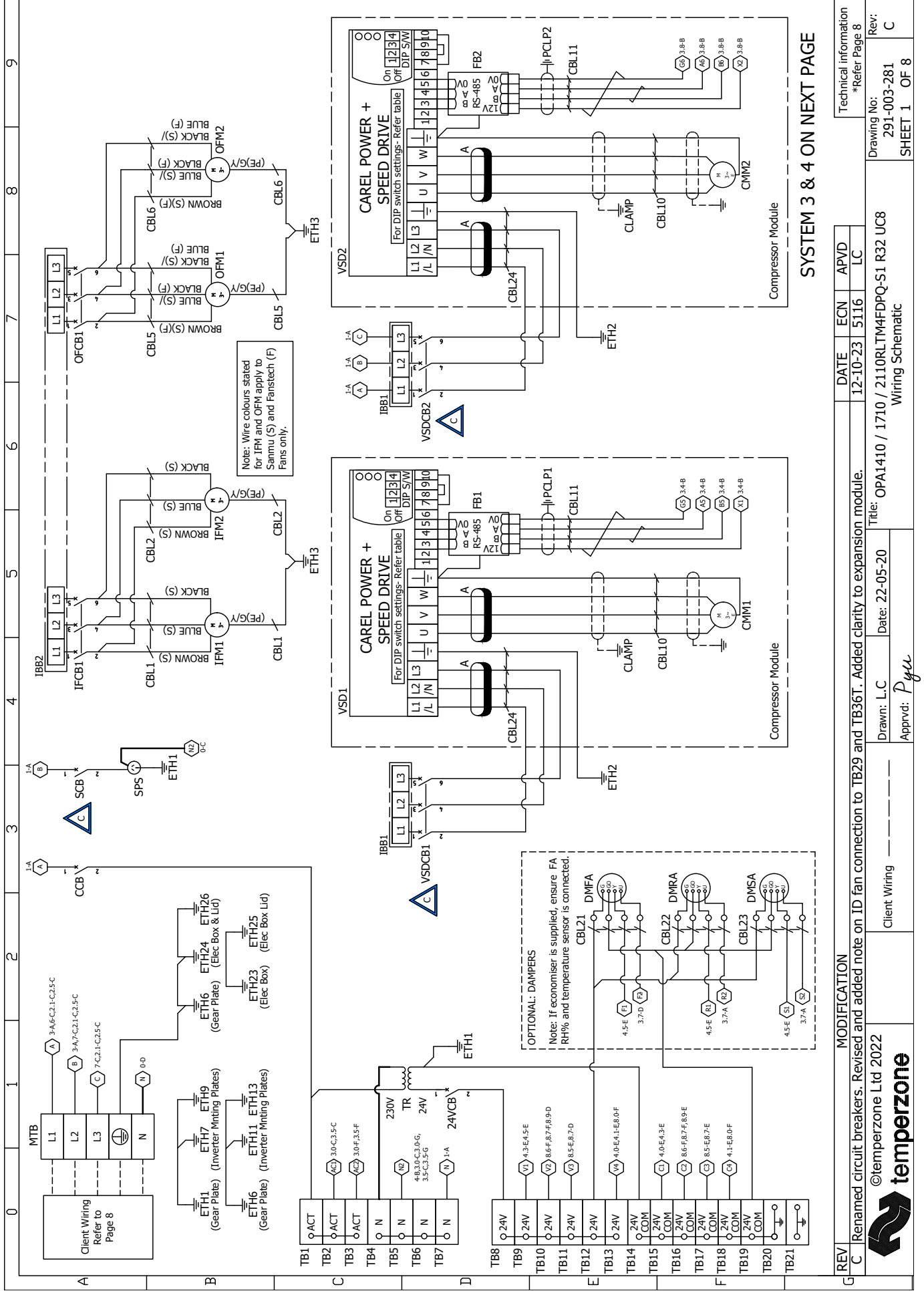
UNDERSIDE VIEW

Dimensions for Underside View:

- Overall width: 1524
- Overall depth: 106
- Internal width (between side panels): 1270
- Internal depth (between bottom panels): 613
- Internal width (between side panels and back panel): 1270
- Internal depth (between bottom panels and back panel): 613



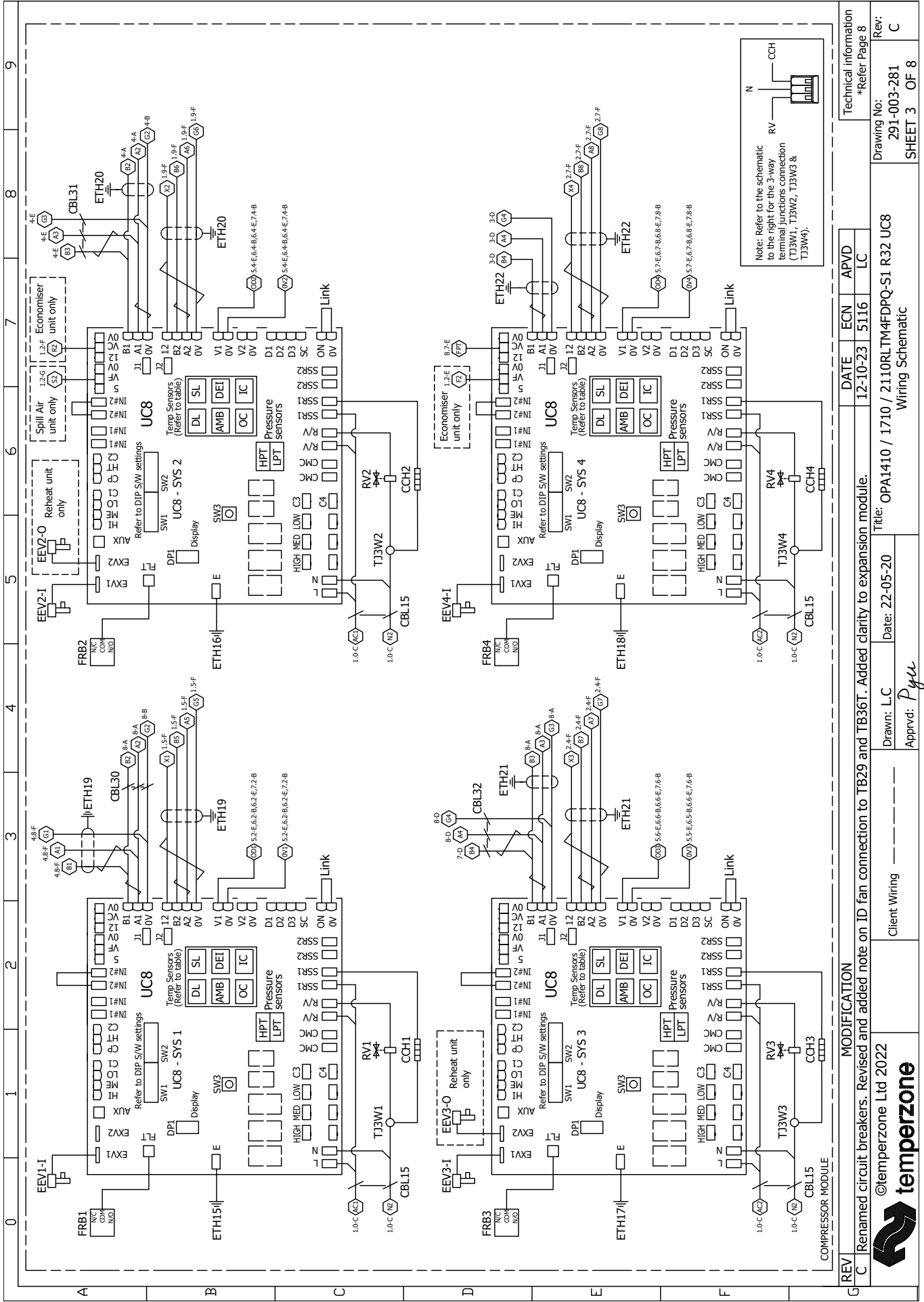
**NOTE**  
Specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.



SYSTEM 3 & 4 ON NEXT PAGE

REV	MODIFICATION	DATE	ECN	APVD	Technical information
C	Renamed circuit breakers. Revised and added note on ID fan connection to TB29 and TB36T. Added clarity to expansion module.	12-10-23	5116	LC	*Refer Page 8
©temperzone Ltd 2022					Drawing No: 291-003-281
temperzone					Rev: C
Client Wiring					Wiring Schematic
Title: OPA1410 / 1710 / 2110RLTM4FDPQ-S1 R32 UC8					SHEET 1 OF 8



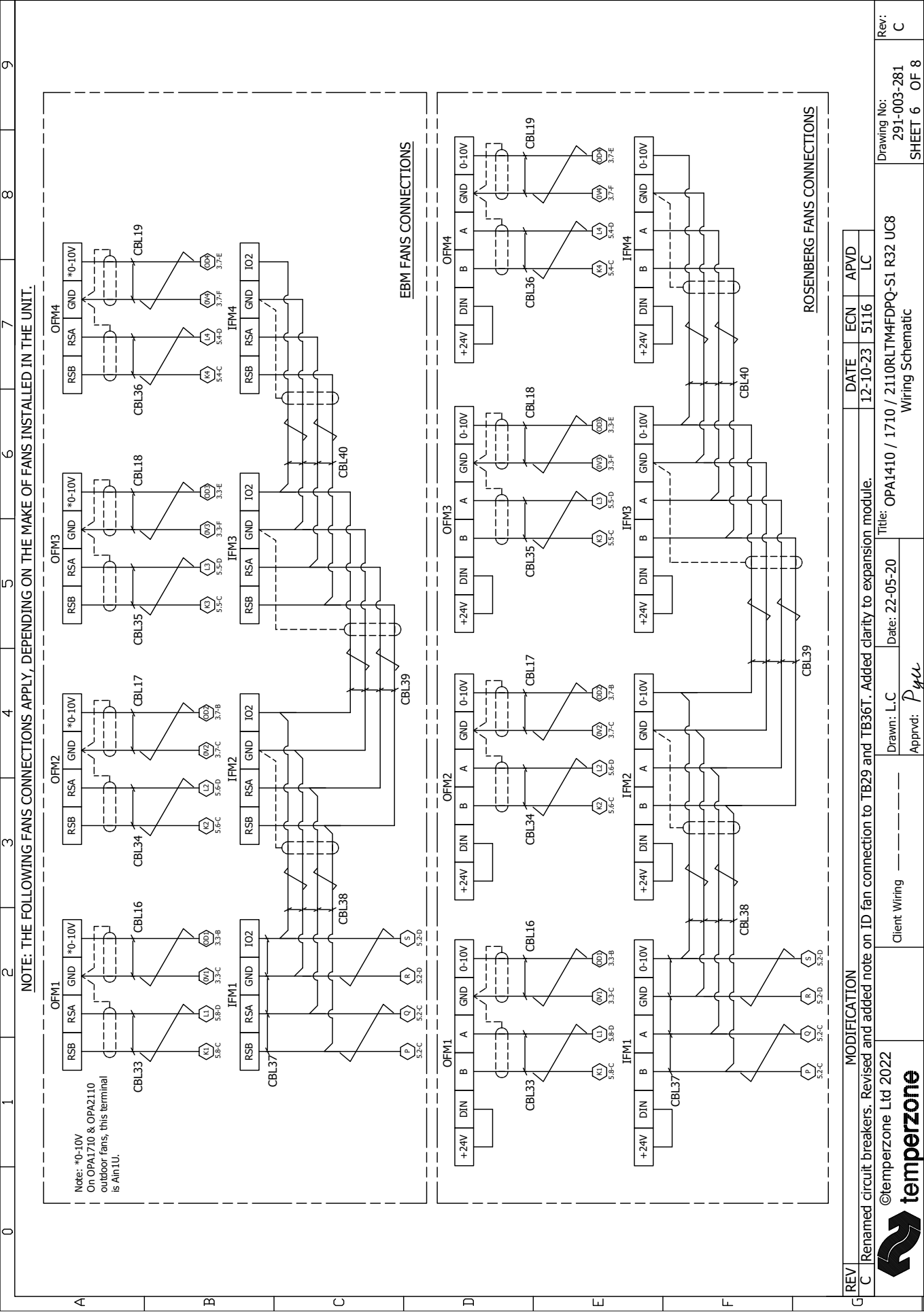


REV	MODIFICATION	DATE	ECN	APVD
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<div> <div> </div> <div> ©temperzone Ltd 2022  Wiring Schematic </div> </div>				
Client Wiring		Drawn: L.C	Date: 22-05-20	Approved: <i>Pye</i>
Technical information		*Refer Page 8		
Drawing No:		291-003-281		
Rev:		C		
SHEET 3		OF 8		



0	1	2	3	4	5	6	7	8	9
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ROSENBERG FANS CONNECTIONS

OFM1

+24V

DIN

B

A

GND

0-10V

CBL33

CBL16

41

11

009

5.8°C

3.3°C

3.3°C

3.3°C

IFM1

+24V

DIN

B

A

GND

0-10V

CBL37

CBL38

52°C

5.2°C

5.2°C

5.2°C

OFM2

+24V

DIN

B

A

GND

0-10V

CBL34

CBL17

42

009

5.6°C

3.7°C

3.7°C

3.7°C

IFM2

+24V

DIN

B

A

GND

0-10V

CBL38

CBL39

52°C

5.2°C

5.2°C

5.2°C

OFM3

+24V

DIN

B

A

GND

0-10V

CBL35

CBL18

43

009

5.5°C

3.3°F

3.3°F

3.3°F

IFM3

+24V

DIN

B

A

GND

0-10V

CBL39

CBL40

52°C

5.2°C

5.2°C

5.2°C

OFM4

+24V

DIN

B

A

GND

0-10V

CBL36

CBL19

44

009

5.4°C

3.7°F

3.7°F

3.7°F

IFM4

+24V

DIN

B

A

GND

0-10V

CBL40

52°C

5.2°C

5.2°C

5.2°C

MODIFICATION

REV

C

Renamed circuit breakers. Revised and added note on ID fan connection to TB29 and TB36T. Added clarity to expansion module.

DATE

12-10-23

ECN

5116

APVD

LC

Client Wiring

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Drawn: L.C

Date: 22-05-20

Title: OPA1410 / 1710 / 2110RLTM4FDQ-S1 R32 UC8 Wiring Schematic

Approved: *Pgu*

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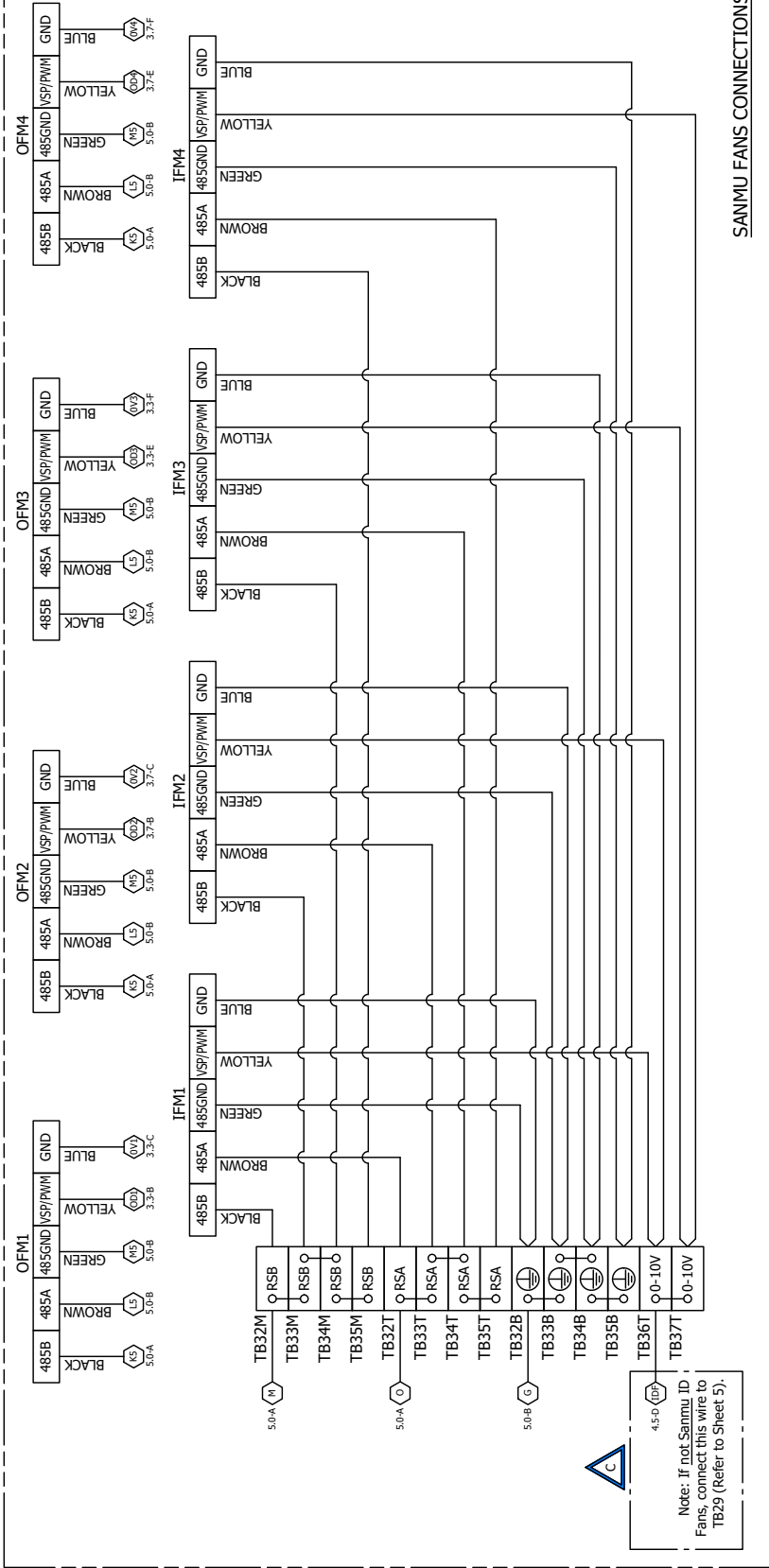


Drawing No: 291-003-281  
SHEET 6 OF 8

Rev: C



NOTE: THE FOLLOWING FANS CONNECTIONS APPLY, DEPENDING ON THE MAKE OF FANS INSTALLED IN THE UNIT.



SANMU FANS CONNECTIONS

REV	MODIFICATION	DATE	ECN	APVD
C	Renamed circuit breakers. Revised and added note on ID fan connection to TB29 and TB36T. Added clarity to expansion module.	12-10-23	5116	LC
©temperzone Ltd 2022		Drawn: L.C	Date: 22-05-20	
Client Wiring		Approved: <i>Pyu</i>		
Drawing No: 291-003-281		Title: OPA1410 / 1710 / 2110RLTM4FDPO-S1 R32 UC8		Rev: C
SHEET 7 OF 8		Wiring Schematic		

