

SPECIFICATIONS



Model	OPA 1710RLTM1FPQ(-Z) Econex
Configuration	Horizontal Supply Air
Item No. (Standard / Opposite Hand)	866-171-701 / 866-171-710
Unit c/w Economiser (Standard / Opposite Hand)	867-171-701 / 867-171-710
Configuration	Downward Supply Air
Item No. (Standard / Opposite Hand)	866-171-723 / 866-171-732
Unit c/w Economiser (Standard / Opposite Hand)	867-171-723 / 867-171-732
Cooling capacity (net) ¹	164.2 kW
Cooling capacity (gross) range	13.9 ~ 177.2 kW
Heating capacity ¹	170.7 kW
Heating capacity (gross) range	14.8 ~ 181.8 kW
Electrical input - cooling	53.1 kW
Electrical input - heating	50.7 kW
EER / AEER (cooling) ¹	3.09 / 3.08
COP / ACOP (heating) ¹	3.36 / 3.35
Operating Range (outdoor ambient) - cooling	-10°C ~ 50°C
Operating Range (outdoor ambient) - heating	-10°C ~ 25°C
Unit Controller	UC8 (x4)
Refrigerant	R32
Refrigerant Charge	7.6 kg/sys.
Minimum floor area (@5m below ceiling diffuser)	7.1 m ²
Compressor oil type	POE-46 (NXG5020 or equivalent)
Compressor type	inverter (x1) + fixed scroll (x3)
Power supply ²	3 ph. 400V ac 50Hz + N + E
Compressor (3ph.) run amps at rating cond.(inv./fixed)	15.5 A/ph.(x1) / 18.5 A/ph.(x3)
Compressor circuit breaker	32 A (x4)
Indoor fan motor size	EC Plug 500mm 3.58kW (x4)
Nominal air flow at rating conditions	8 200 l/s (7.5V)
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)	84 / 81 / 83 A
Max. running amps (total system)	114 / 113 / 113 A
RCD type recommended	type B, 30mA, 3 pole
Net weight (excl. cowl)	2 263 kg
Shipping weight (excl. cowl)	2 323 kg
Net weight (c/w Economiser)	2 353 kg

Accessories:

TZT-100 Room temperature controller ⁴	201-000-350
Filters - rated EU4/G4 disposable	019-400-005 600x500x50 (x12) ³
Filters - rated EU4/G4 washable (NZ only)	019-000-034 600x500x50 (x12) ³

¹ Tested in accordance with AS/NZS 3823

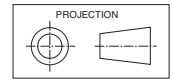
23010

² Voltage range: 376–440V

³ Filter sizes are nominal; refer to Temperzone for actual measurements.

⁴ Not suitable for controlling Economiser dampers (-Z model)

DIMENSIONS (mm)

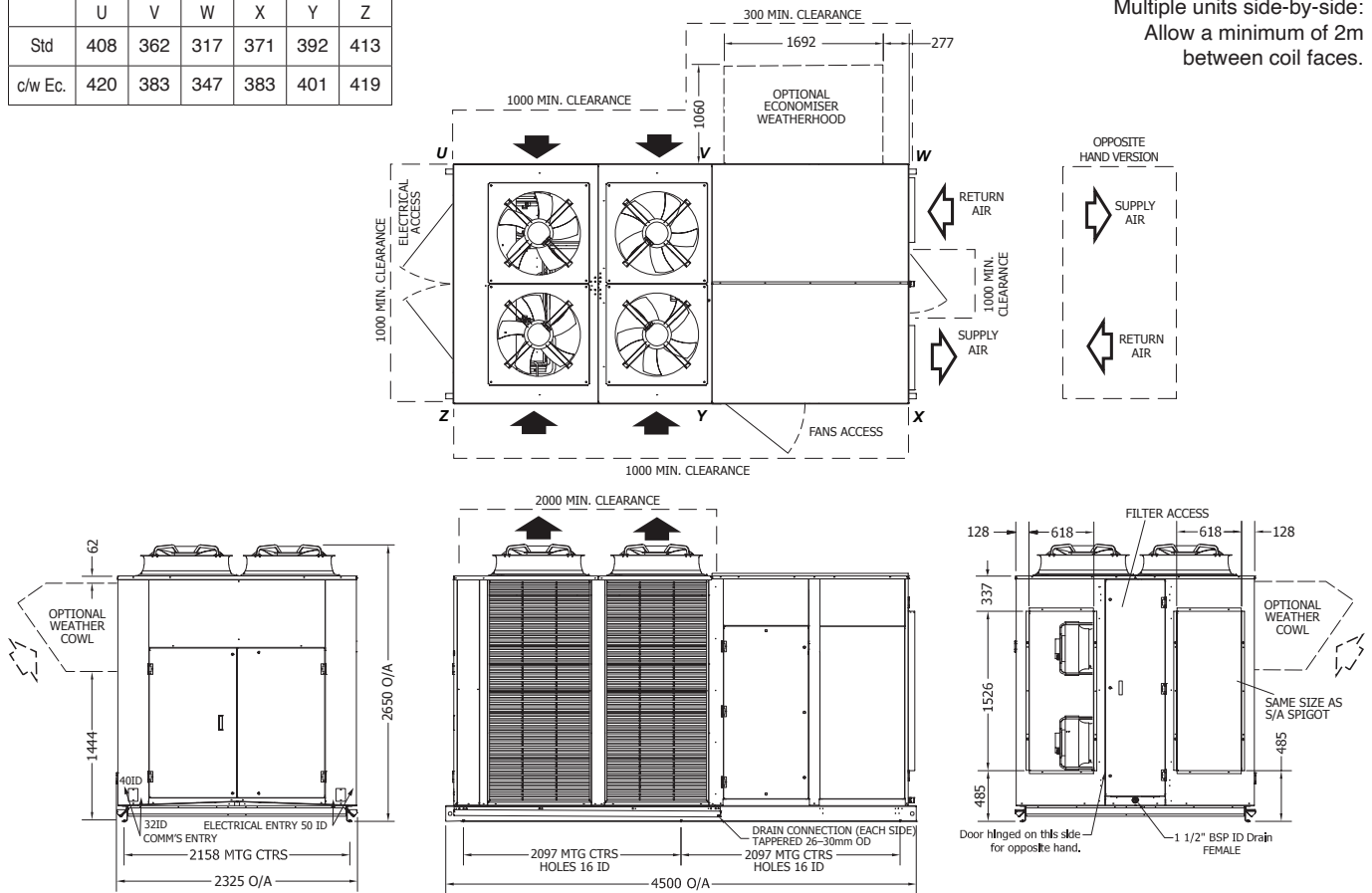


OPA 1710RLTM1FPQ01(-Z) Horizontal Supply / Standard Hand

	POINT LOADS (kg)					
	U	V	W	X	Y	Z
Std	408	362	317	371	392	413
c/w Ec.	420	383	347	383	401	419

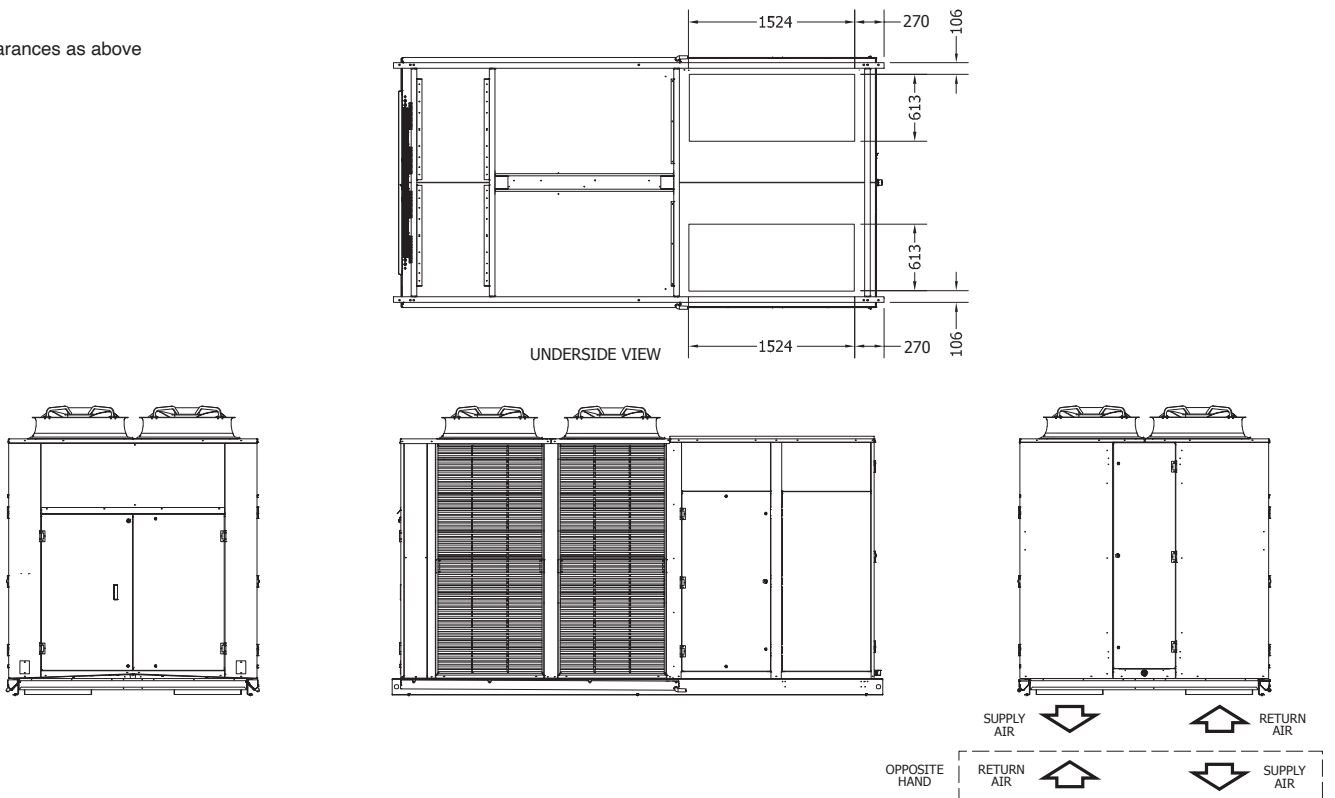
Not to Scale

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



OPA 1710RLTM1FPQD23(-Z) Downward Supply / Standard Hand

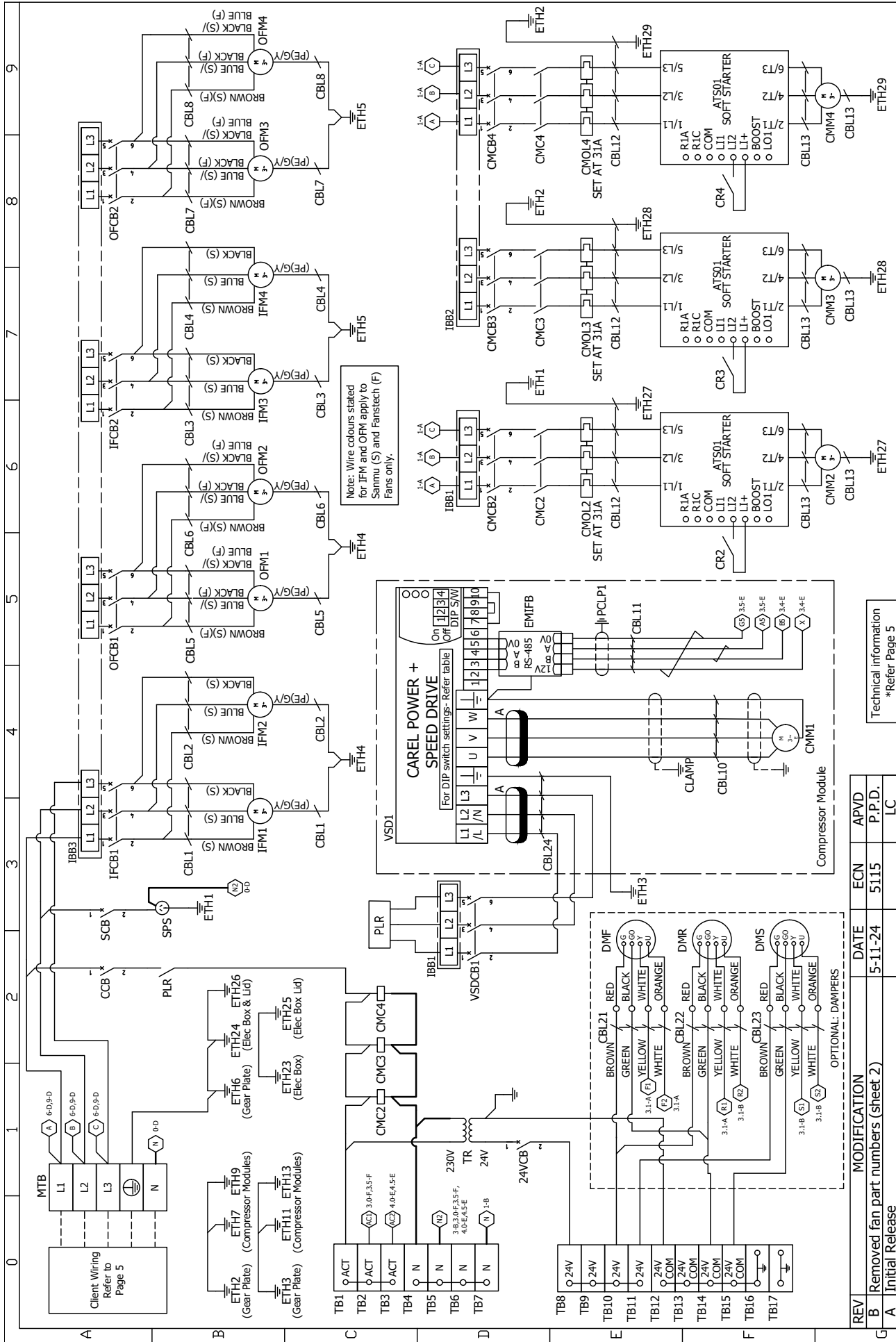
Clearances as above



NOTE

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

WIRING (1)

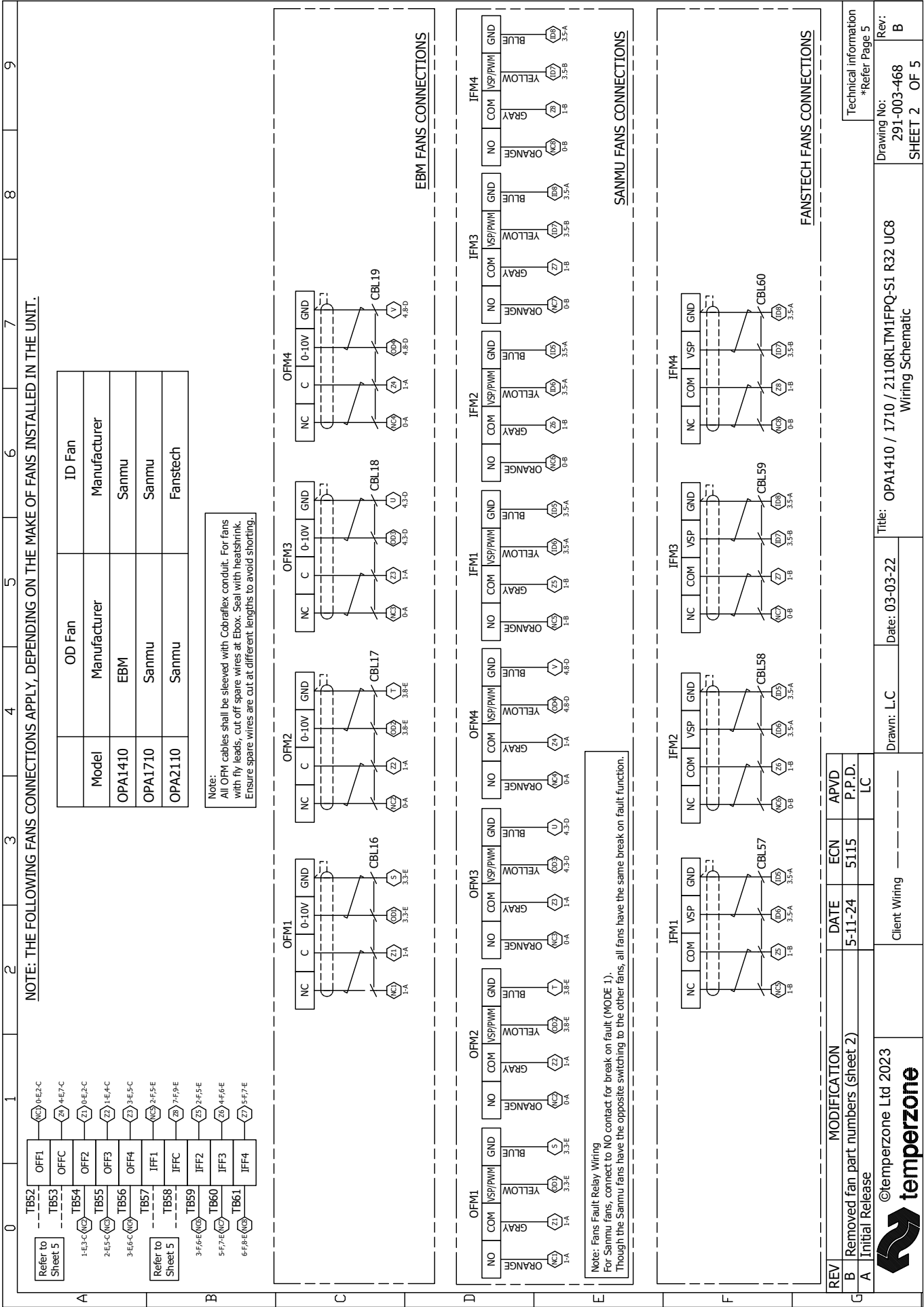


REV	MODIFICATION	DATE	ECN	APVD
B	Removed fan part numbers (sheet 2)	5-11-24	5115	P.P.D.
A	Initial Release			LC

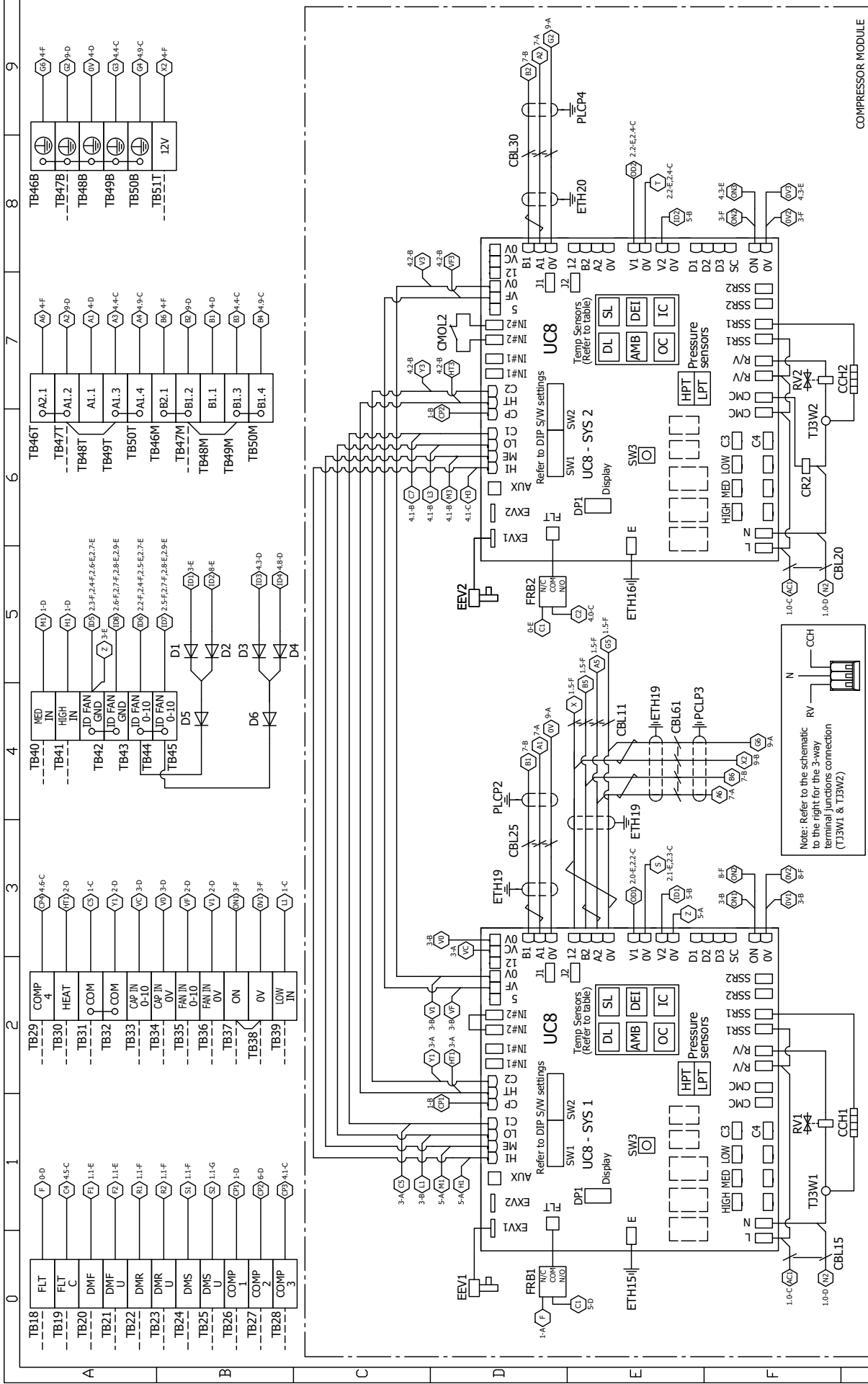
Client Wiring	Client Wiring
Drawn: L.C	Date: 03-03-22
Title: OPA1410 / 1710 / 2110RLTM1FPQ-51 R32 UC8	
Wiring Schematic	
Drawing No: 291-003-468	Rev: B
SHEET 1 OF 5	



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WIRING (3)



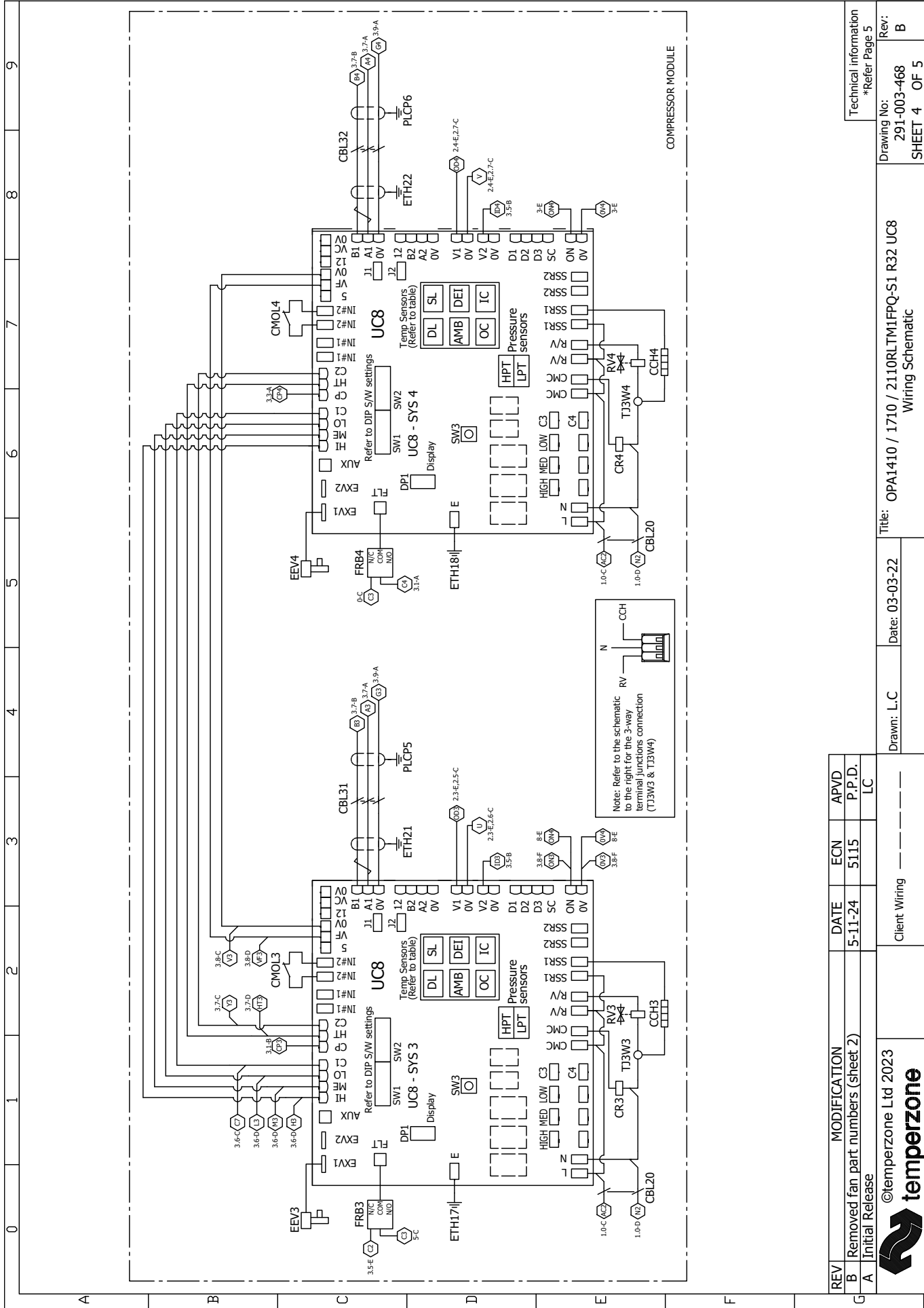
REV	MODIFICATION	DATE	ECN	APVD
B	Removed fan part numbers (sheet 2)	5-11-24	5115	P.P.D.
A	Initial Release			LC


Client Wiring	Date: 03-03-22	Drawn: L.C	Title: OPA1410 / 1710 / 2110RLTM1FPQ-S1 R32 UC8 Wiring Schematic
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Technical information *Refer Page 5	Rev: B
Drawing No: 291-003-468	SHEET 3 OF 5



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REV	MODIFICATION	DATE	ECN	APVD
B	Removed fan part numbers (sheet 2)	5-11-24	5115	P.P.D.
A	Initial Release			LC
Client: Wiring				
©temperzone Ltd 2023		Date: 03-03-22		Title: OPA1410 / 1710 / 2110RLTM1FPQ-S1 R32 UC8
		Drawn: L.C		Wiring Schematic
		Drawing No: 291-003-468 SHEET 4 OF 5		Rev: B Technical information *Refer Page 5

