

# SPECIFICATIONS



<b>Model</b>	<b>OPA 680RLTB2FPQD-Z Econex Pro</b>
Configuration	Horizontal Supply Air
Item No. (Standard / Opposite Hand)	877-068-701 / 877-068-710
Configuration	Downward Supply Air
Item No. (Standard / Opposite Hand)	877-068-723 / 877-068-732
Configuration	Upward Supply Air
Item No. (Standard / Opposite Hand)	877-068-745 / 877-068-754
Cooling capacity (net) <sup>1</sup>	65.1 kW
Cooling capacity range (gross)	14.4 ~ 79.0 kW
Heating capacity <sup>1</sup>	64.5 kW
Heating capacity range	8.3 ~ 72.3 kW
Electrical input - cooling	17.1 kW
Electrical input - heating	16.5 kW
EER / AEER (cooling) <sup>1</sup>	3.81 / 3.78
COP / ACOP (heating) <sup>1</sup>	3.91 / 3.88
Operating Range (outdoor ambient) - cooling	-10°C ~ 50°C
Operating Range (outdoor ambient) - heating	-10°C ~ 25°C
Master Controller	<i>c.pCO</i>
Slave Controllers	UC8 (x2)
Refrigerant	R32
Refrigerant Charge	7.0 kg/sys.
Minimum floor area (@2.4m below ceiling diffuser)	26 m <sup>2</sup>
Compressor oil type	POE-46 (NXG5020 or equivalent)
Compressor type	inverter scroll (x2)
Power supply <sup>2</sup>	3 ph. 400 V ac 50 Hz + N + E
Compressor (3ph.) run amps at rating cond.	12.5 A/ph.(x2)
Compressor + VSD circuit breaker	32 A (x2)
Indoor fan motor size	EC Plug 500 dia. 3.65kW (x2)
Nominal air flow at rating conditions	3 600 l/s
Indoor fan motor (3ph.) - full load	4.8 A/ph. (x2)
Outdoor fan motor (3ph.) - full load	3.5 A/ph. (x2)
Outdoor fan - max. external static available@ 8 400 l/s	100 Pa
Control circuit breaker (internal)	2 A
Single phase socket circuit breaker	10 A
Running amps (total system) <sup>1</sup>	25 / 28 / 31 A
Max. running amps (total system)	50 / 54 / 59 A
RCD type recommended	type B, 30mA, 3 pole
Net weight (excl. cowl)	1221 kg
Shipping weight (excl. cowl)	1286 kg
Net Weight c/w Economiser	1261 kg

## Accessories:

Remote wired Service Interface Device ( <i>pGDM</i> )	201-000-867
Filters - rated EU4/G4 disposable	019-400-004 500x500x50 (x9) <sup>3</sup>
Filters - rated EU4/G4 washable (NZ Only)	019-000-033 500x500x50 (x9) <sup>3</sup>
Drain tundish (2 per set; 2 sets required)	060-000-653

Refer to temperzone for other options.

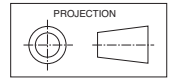
<sup>1</sup> Tested in accordance with AS/NZS 3823

<sup>2</sup> Voltage range: 376–440V

<sup>3</sup> Filter sizes are nominal; refer to Temperzone for actual measurements.

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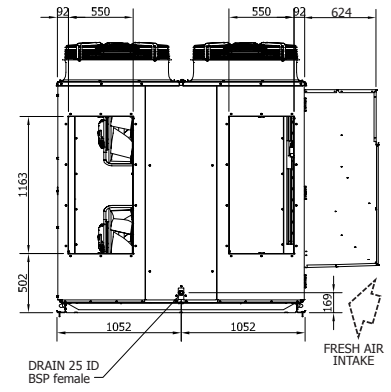
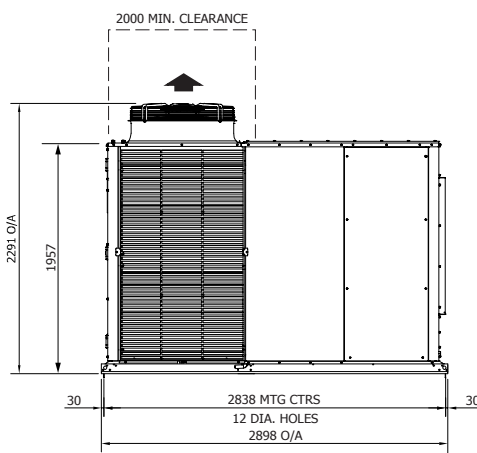
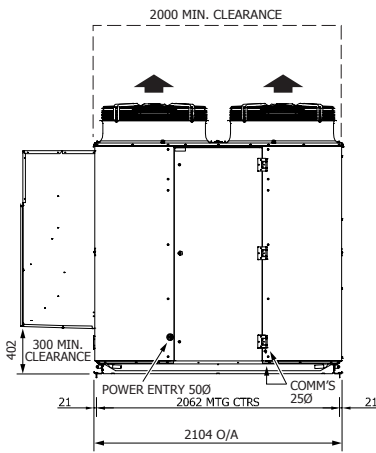
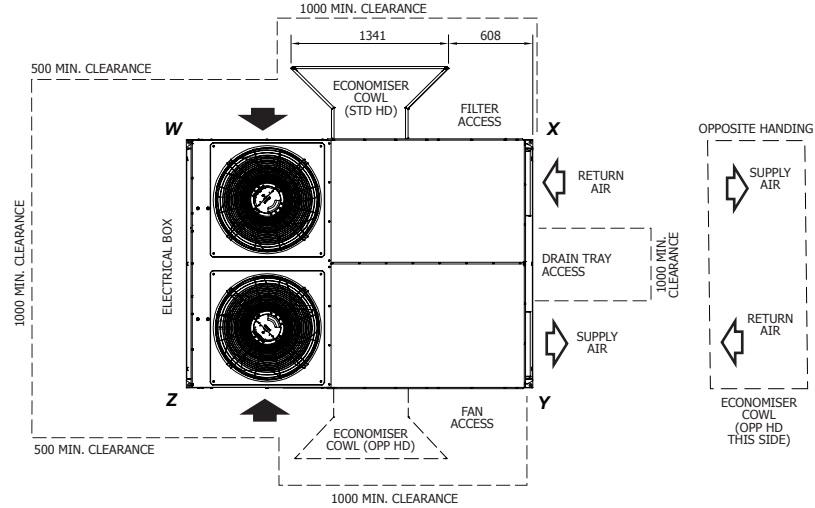
# DIMENSIONS (mm)



## OPA 680RLTB2FPQD01-Z Standard Hand, Horizontal Supply

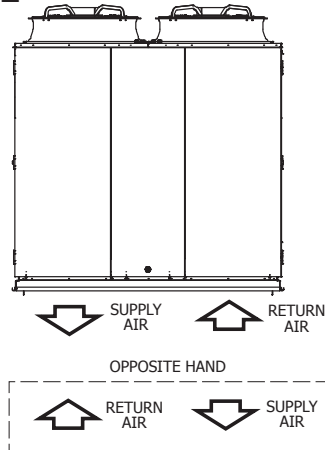
Not to Scale

	POINT LOADS (kg)			
	W	X	Y	Z
Eco Std	336	314	234	377
Eco Opp	377	234	314	336



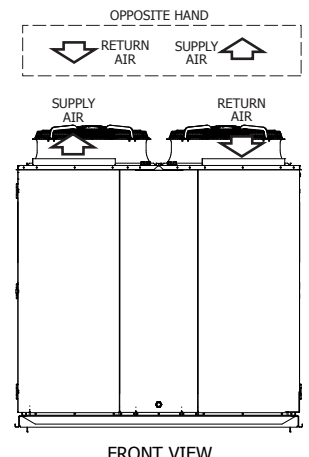
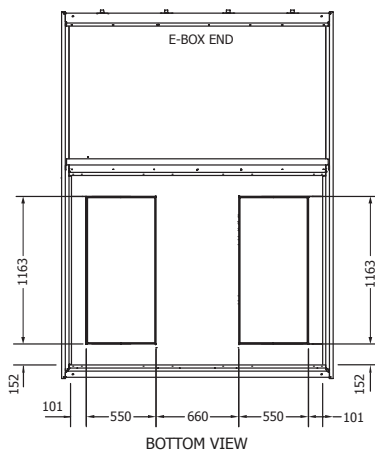
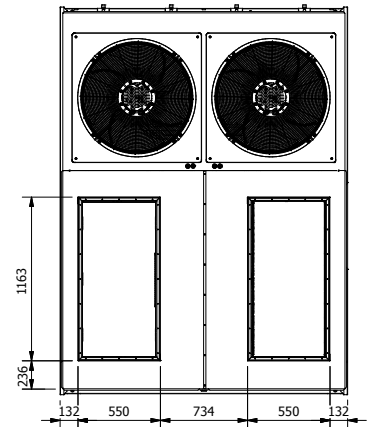
## OPA 680RLTB2FPQD23-Z Standard Hand, Downward Supply

Clearances as above

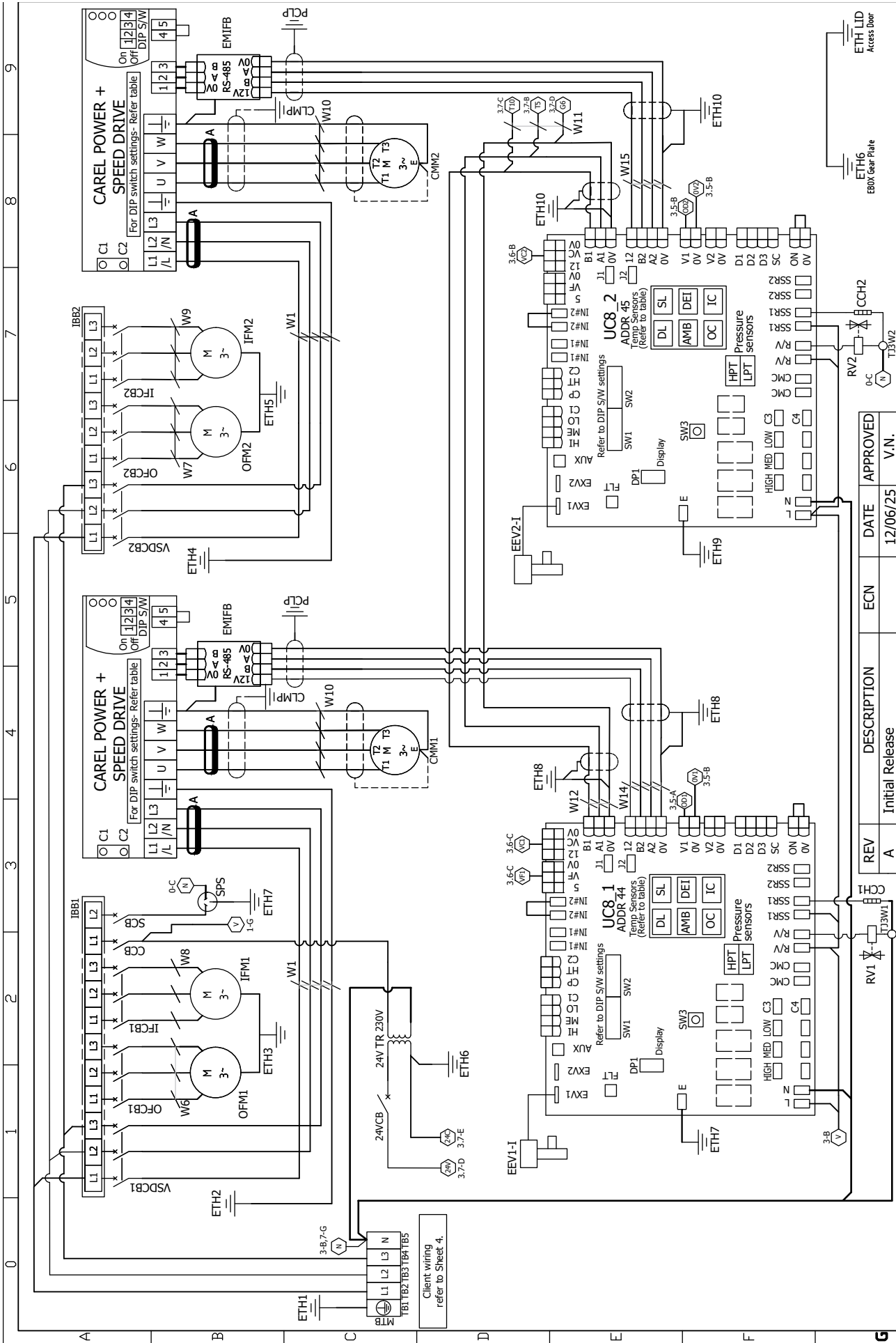


## OPA 680RLTB2FPQD45-Z Standard Hand, Upward Supply

Clearances as above



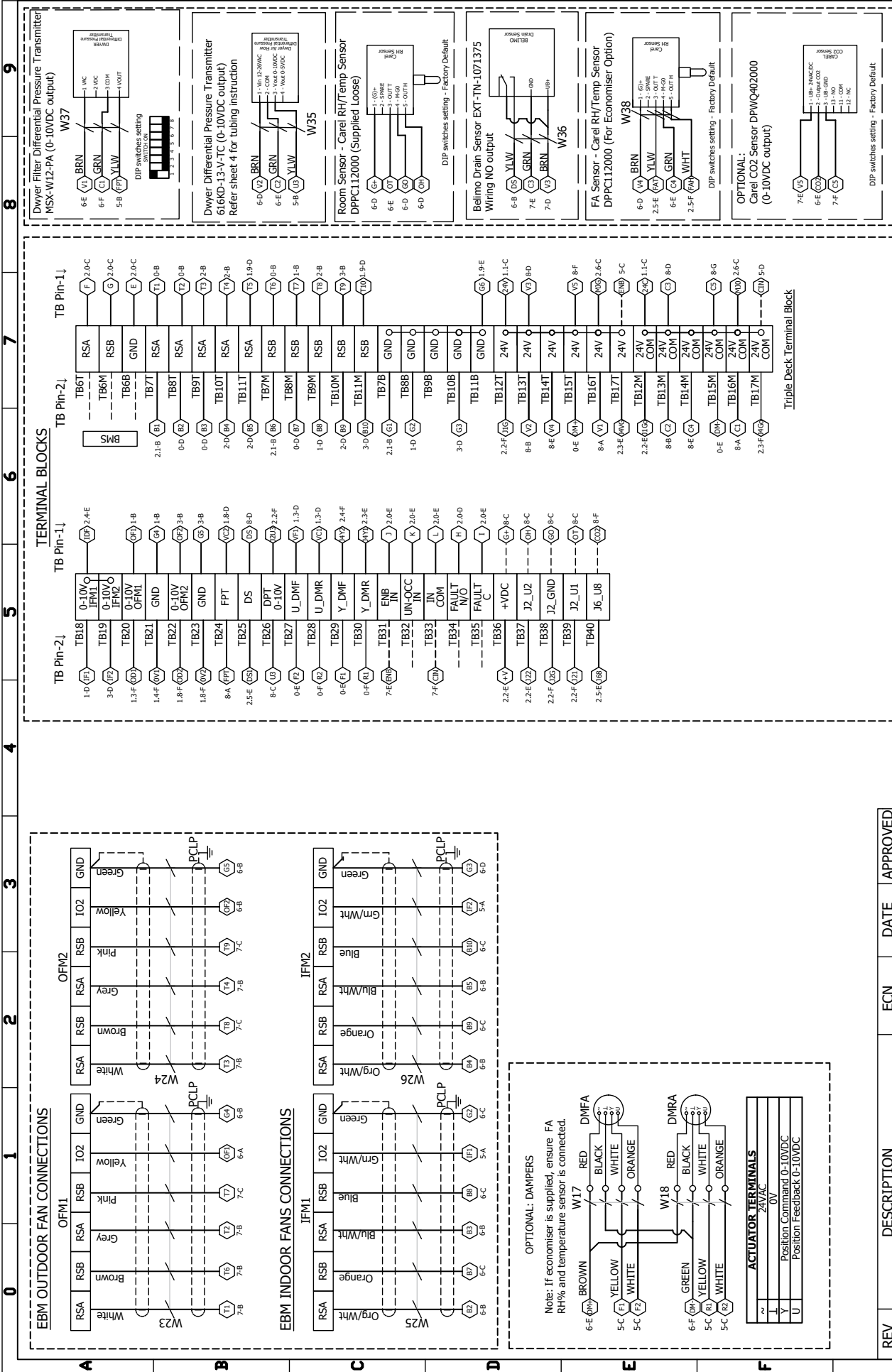
**NOTE**  
Specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.



<b>Client wiring</b> refer to Sheet 4.		Drawing No: 291-003-601 SHEET 1 OF 4	
Title: OPA 680RLTB2FPQD-(Z) UC8 c/w CAREL c.pCO Wiring Schematic		Rev: A	
REV A	DESCRIPTION Initial Release	ECN V.N.	DATE APPROVED 12/06/25 V.N.
Drawn: V.N.		Date: 12/06/25	



# WIRING (3)



REV	DESCRIPTION	ECN	DATE	APPROVED
A	Initial Release		12/06/25	V. N.



Client Wiring -----

Drawn: V. N. Date: 12/06/25

Title: OPA 680RLTB2FPQD-(Z) UCS c/w CAREL c.pCO Wiring Schematic

Drawing No: 291-003-601  
SHEET 3 OF 4

Rev: A

