



Innovation Wave For Engineering Services

Address Jordan-Amman-Princess Basmah St.-Methaq Tower
E-mail info@innowave-me.com
Phone no. +962 7 9109 0333

Customer

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Contractor

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Manufacturer (Company)

Innovation Wave For Engineering Services

Project Description

S.K.U.A

Drawing Title

DDC12

Number of pages 14

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Innovation Wave For Engineering Services



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DDC12
Title Page

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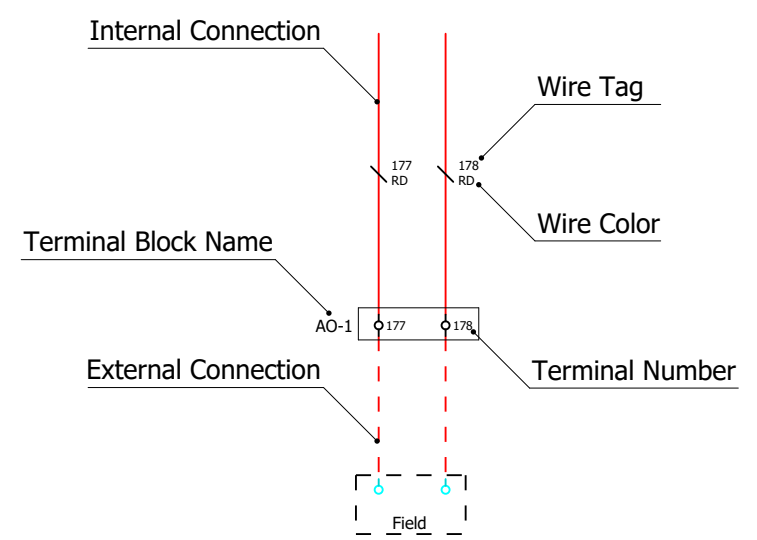
Layout Symbol	Schematic Symbol	Description
		Transformer 220VAC/24VAC
		24VDC Power Supply
		Utility Socket
		2 Pole MCB
		1 Pole Fuse Switch
		2 Pole Relay Coil & Contact
		Feed Through Terminal 4mm ²
		Feed Through Terminal 6mm ²

Layout Symbol	Schematic Symbol	Description
		Earth Feed Through Terminal 6mm ²
		Double Level Terminal 4mm ²

+24VDC
/ 8.G:6

Cross Reference:
/ X.Y:Z

X: Page number
Y: Column number
Z: Row Number



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Summarized parts list

Device Tag	Part number	Quantity	Designation	Manufacturer
I/O Terminals	CDL4UN(I.S)	27	Double Screw Terminal,Feed Through, Conductor cross section stranded, 0.2 - 4.0mm ² . Dimensions (L x W x H), 57 X 6 X 59.5 mm. Colour "grey", 800V/32A	Connectwell
PIN	CTS6U	2	Conductor cross section stranded, 0.5 - 6 mm ² . Dimensions (L x W x H), 43 x 8 x 47.8 mm. Colour "grey", 1000 V/41A	Connectwell
PIN	CGT6N	2	Conductor cross section stranded, 0.2 - 6.0mm. Dimensions (L x W x H), 54.5 x 8 x 48.2mm. Colour "green/yellow"	Connectwell
24VAC;24VDC;230VAC	CTS4UN	8	Screw Terminal, Feed Through, Conductor cross section mm ² stranded, 0.2 - 4mm ² Dimensions (L x W x H), 43 x 6 x 46.2mm Colour "grey", 1000 V/32A	Connectwell
Socket	617643	1	Socket outlet - 1 gang double pole switched - 13 A 250 V~	Legrand
T		1	230/24 VAC transformer	Himel
F1	A9N15636	1	Acti 9 STI - fuse-disconnector STI - 1 pole - 25 A - for fuse 10.3 x 38 mm	Schneider
FM	A9F44210	1	Acti9 iC60N 2P 10A C Miniature Circuit breaker	Schneider
PS	LP1100D-24MDA	1	DC Power Supply 24V, 4.2A 100w. Din Rail / Screw Mouting. Input range: 90~132/180~264VAC(Selectable), 220~380VDC. Input frequency: 47~63Hz. Monitor Display for Output Voltage	ReignPower
AI-1;AI-2	IB IL AI 4/U/0-10-ECO	2	Inline, Analog input terminal, Analog inputs: 4, 0 V ... 10 V	Phoenix Contact
AO-1	IB IL AO 4/U/0-10-ECO	1	Inline ECO, Analog output terminal, Analog outputs: 4, 0 V ... 10 V	Phoenix Contact
DI-1	IB IL 24 DI 8/HD-ECO	1	Inline ECO, Digital input terminal, Digital inputs: 8, 24 V DC	Phoenix Contact
ILC	ILC 2050 BI	1	Inline controller, four LAN, two USB and two RS-485 interfaces, The controller can be extended with numerous Inline modules for digital and analog I/Os and for all standard bus systems.	Phoenix Contact
RTD-1	IB IL RTD 4/PT1000-ECO	1	Inline ECO, Temperature measurement terminal, Analog RTD inputs: 4 (Pt 1000)	Phoenix Contact
EN	47-SB606025D	1	Metal Enclosures Single Door, IP65, Hight x Width x Depth : 600x600x250 (mm)	Alfanar

INNOWAVE

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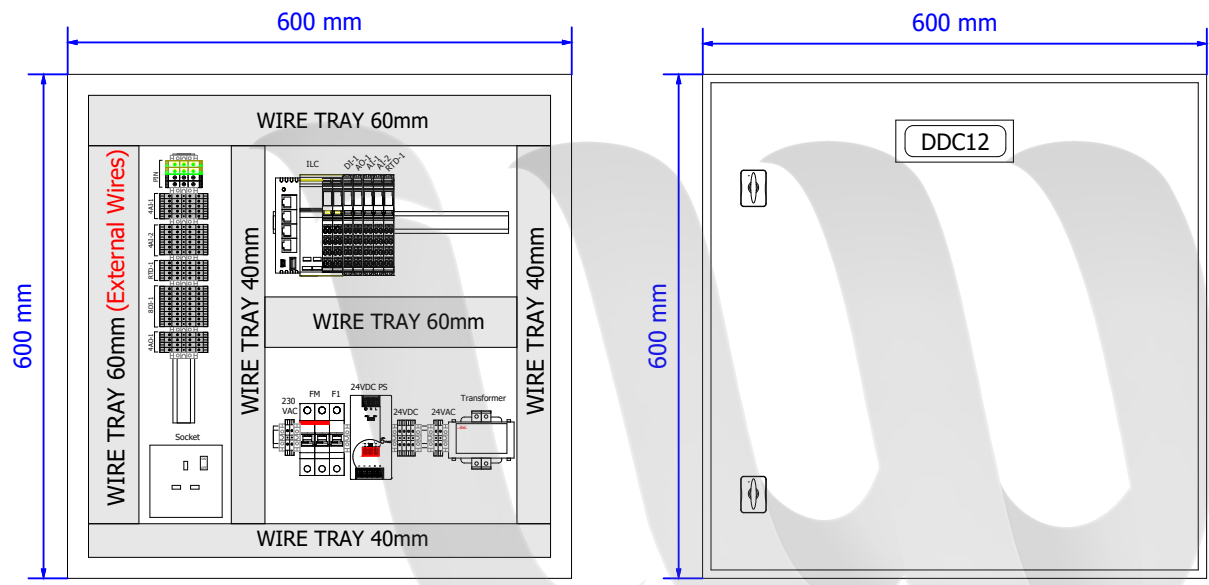
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Front View (Mounting Plate)

Front View (Door Closed)

INNOWAVE

Panel Profile	
Dimensions (HxWxD)	(600x600x250)
Protection Degree	IP65
Cable Entry	Top
* All dimensions are in mm.	

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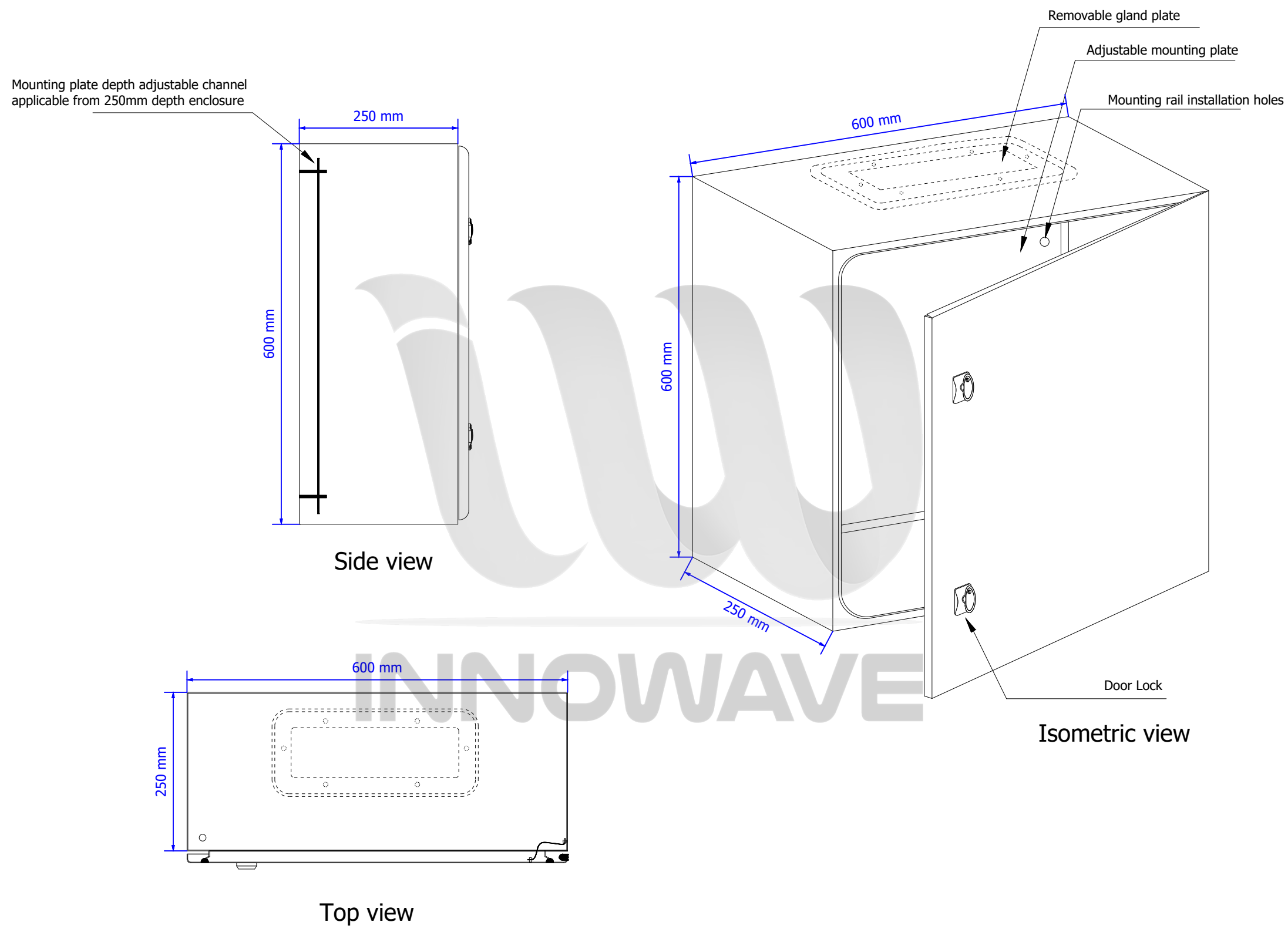
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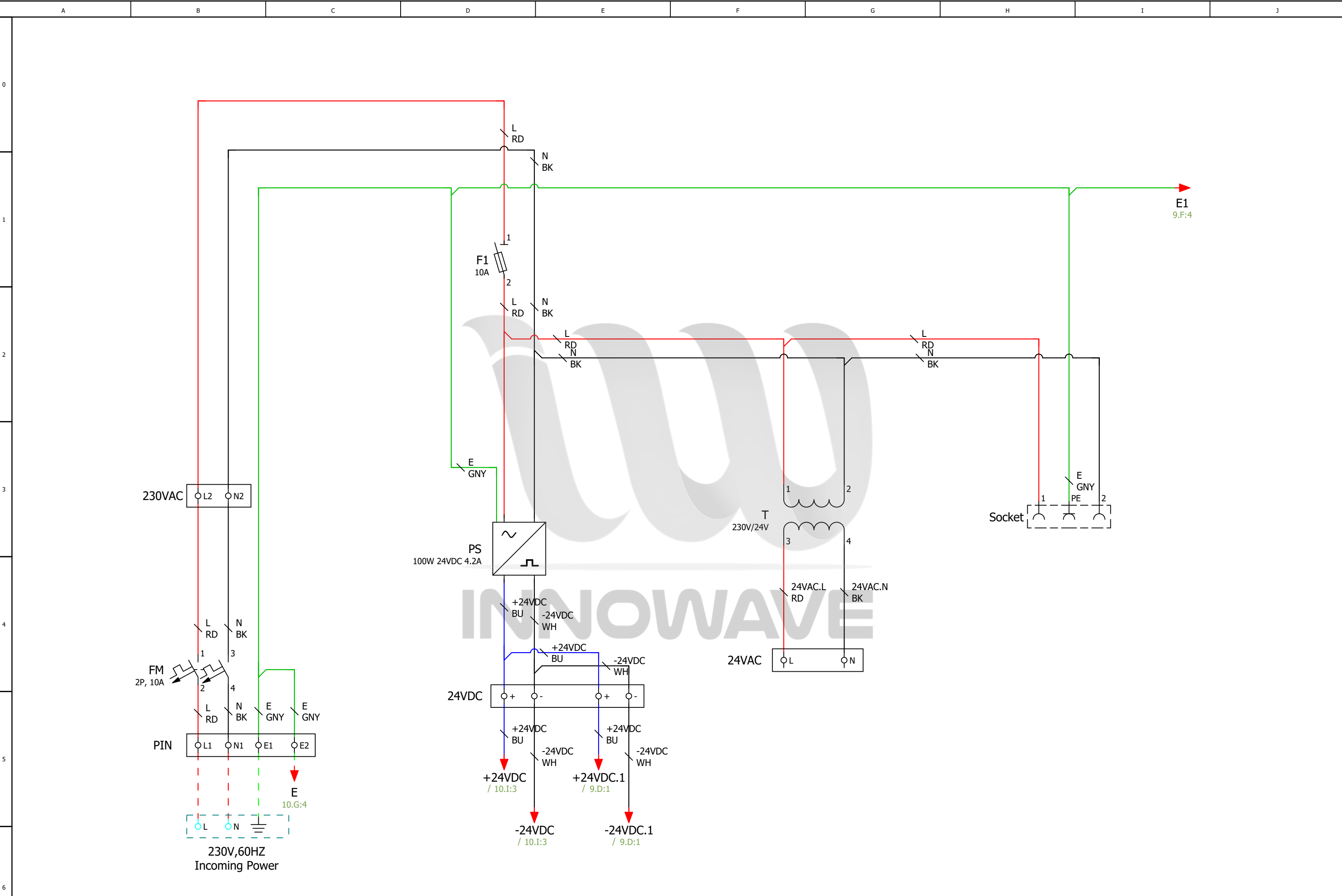
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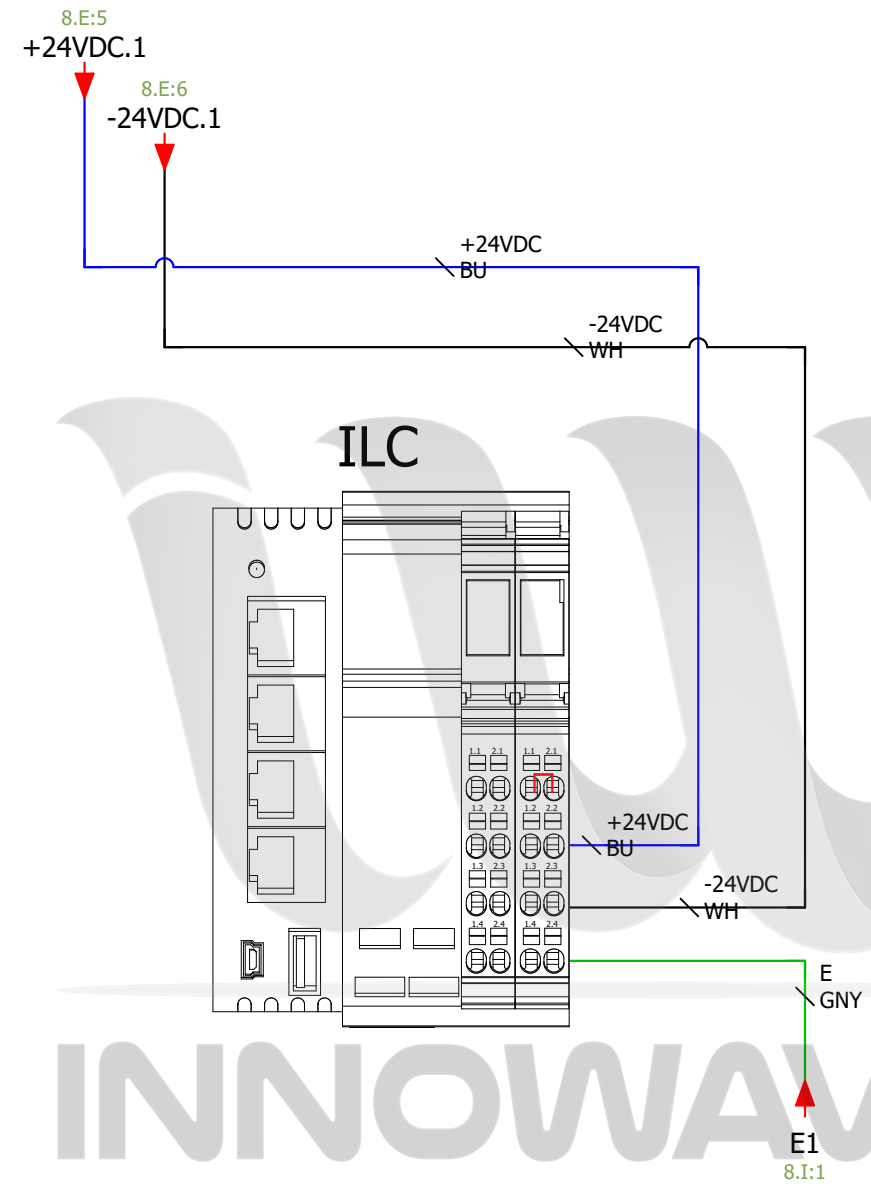
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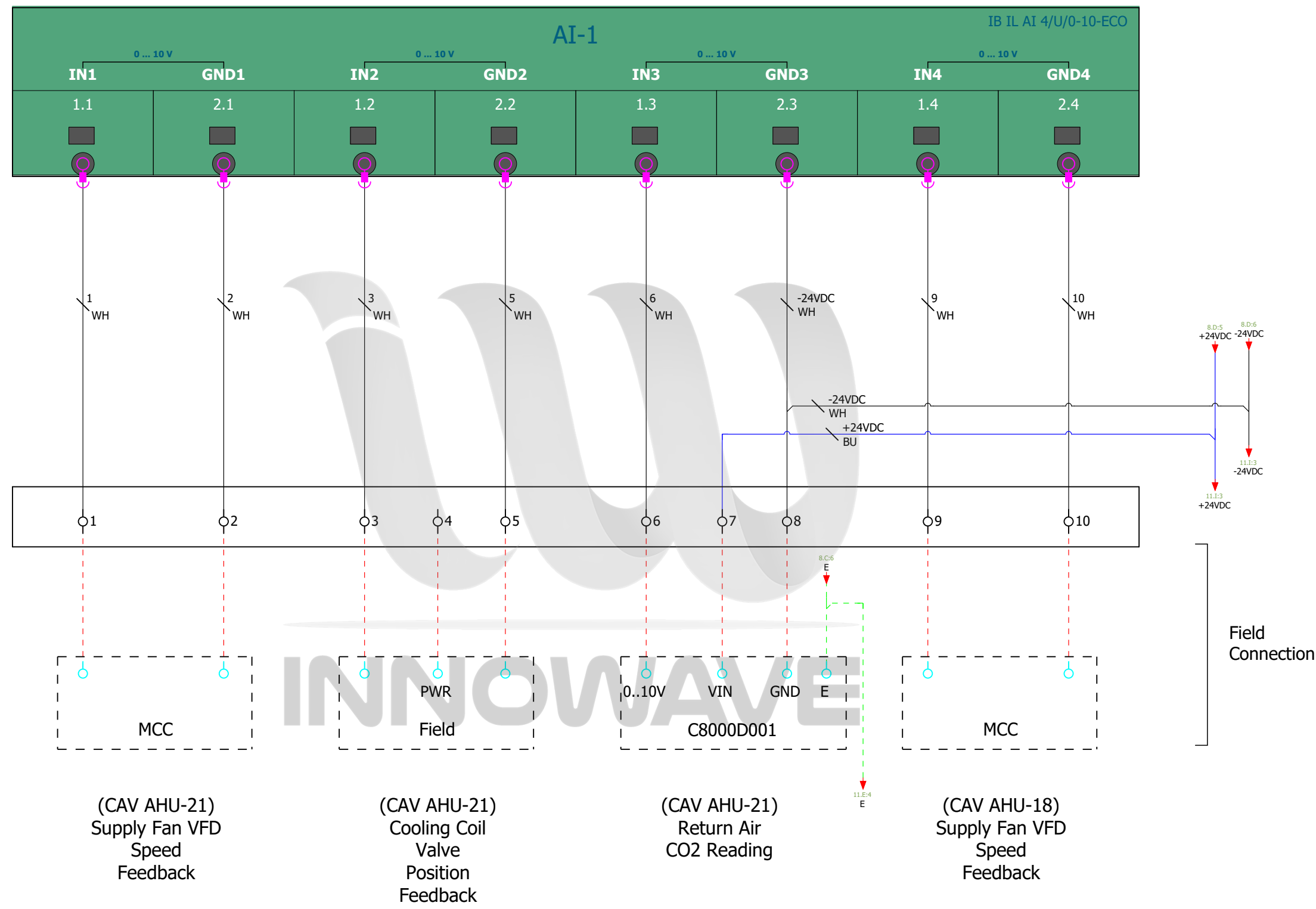
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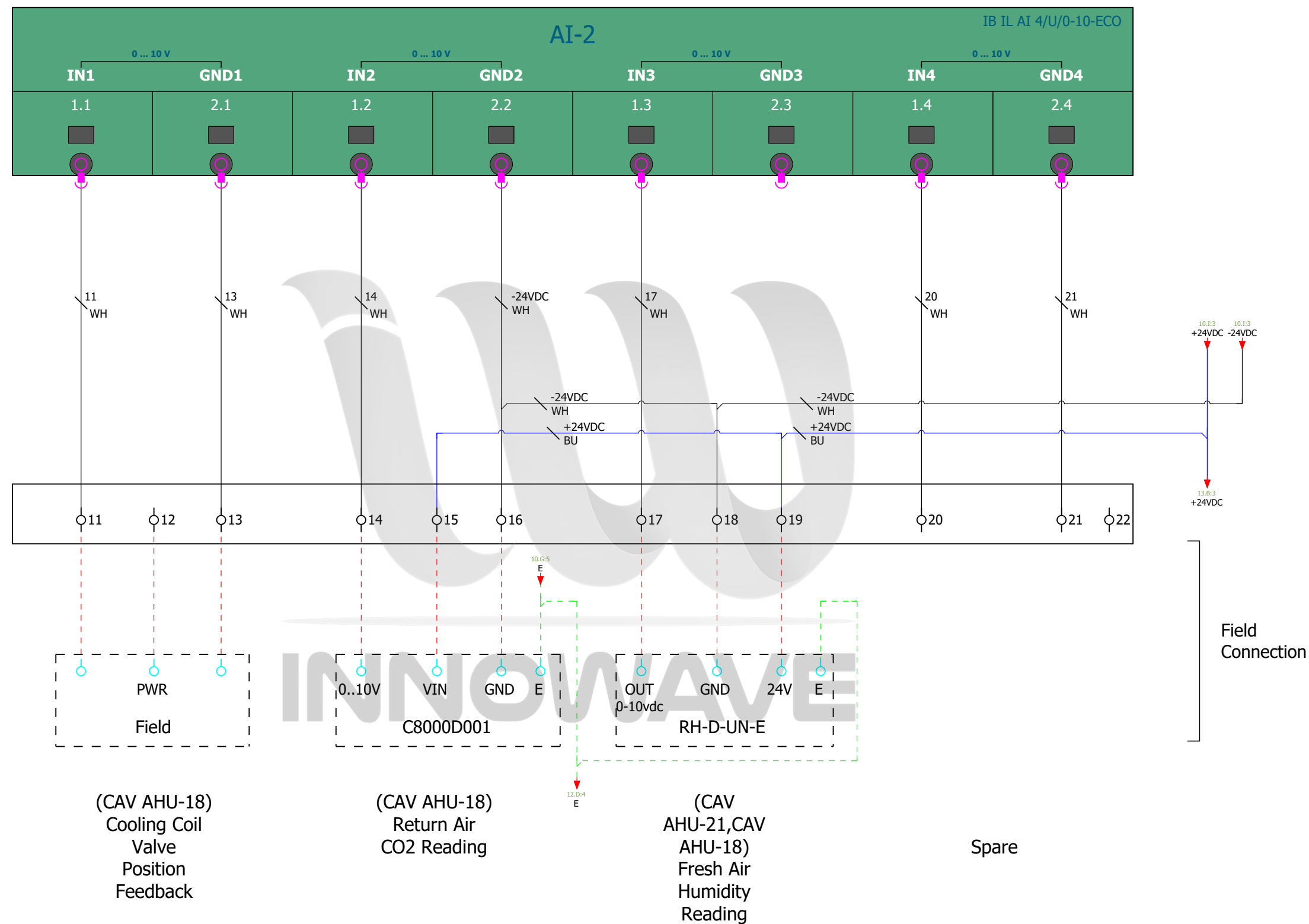
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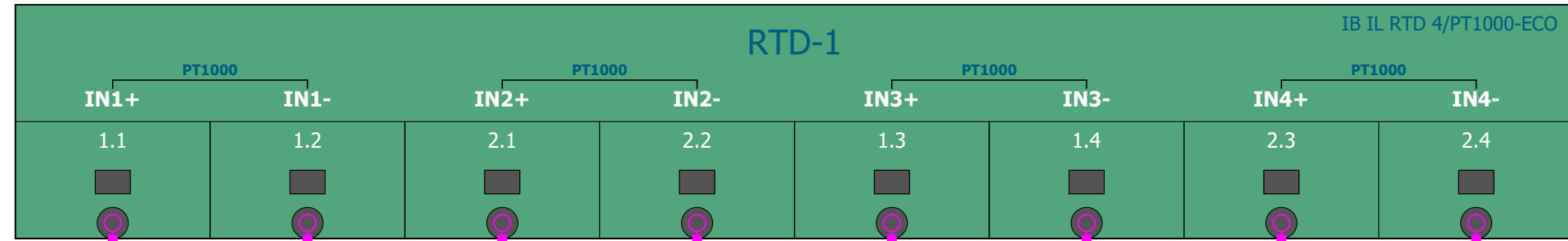
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RTD-1



Field Connection

(CAV AHU-21)
Mixing Air
Temperature
Reading

(CAV AHU-18)
Mixing Air
Temperature
Reading

(CAV
AHU-21,22)
Fresh Air
Temperature
Reading

Spare

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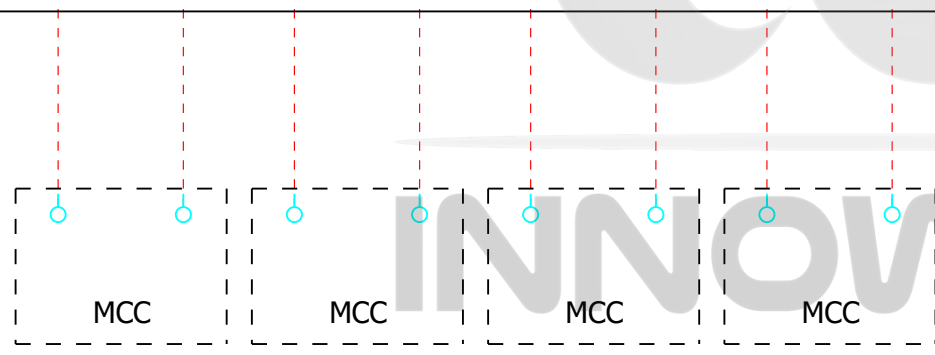
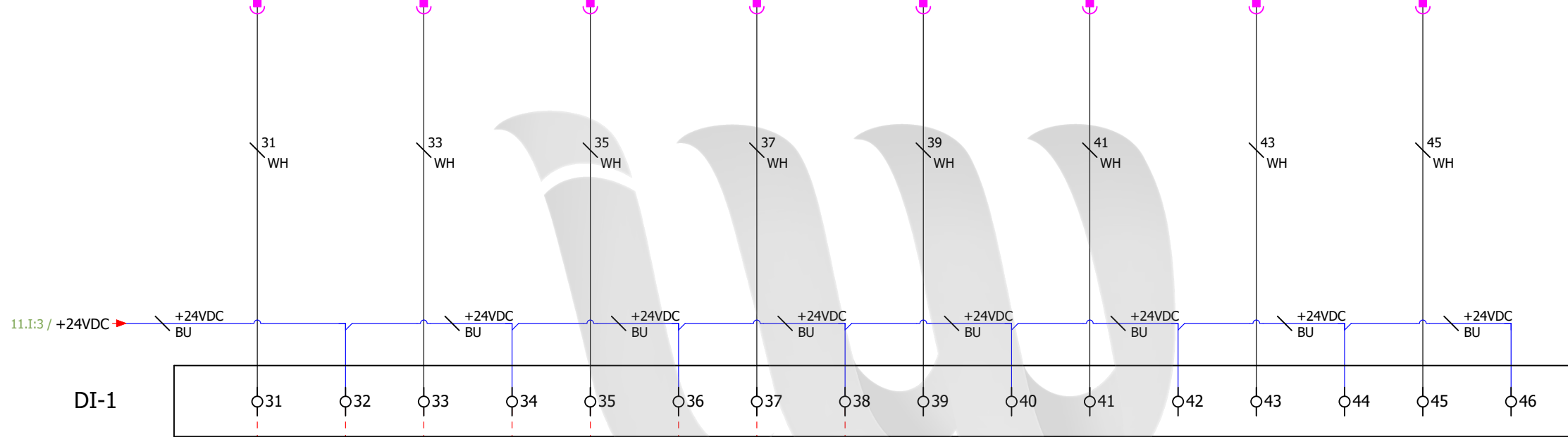
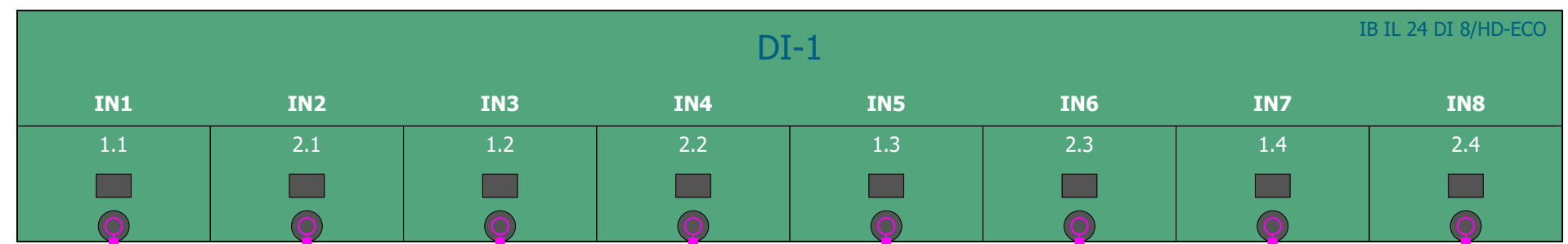
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(CAV AHU-21) Supply Fan Run Status (CAV AHU-21) Supply Fan Bypass Selector Switch Status (CAV AHU-18) Supply Fan Run Status (CAV AHU-18) Supply Fan Bypass Selector Switch Status Spare Spare Spare Spare

Field Connection

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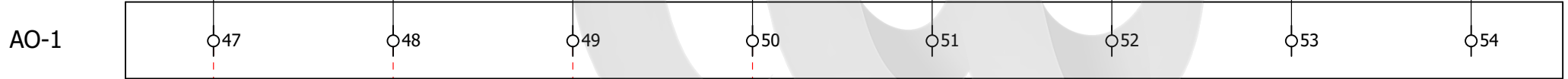
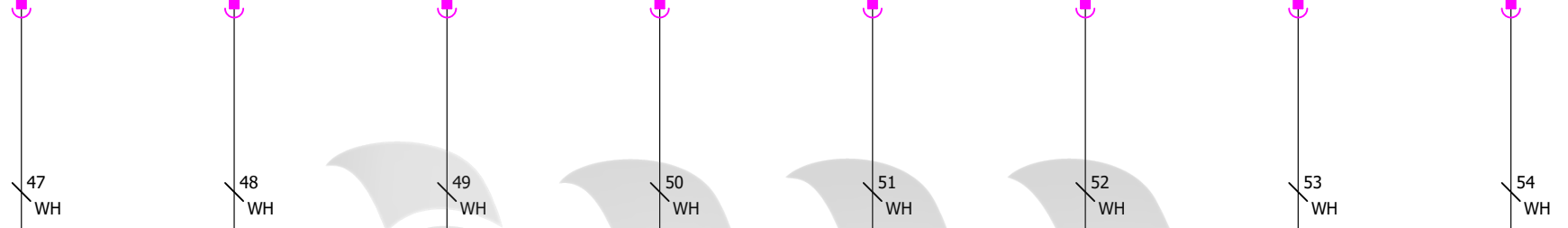
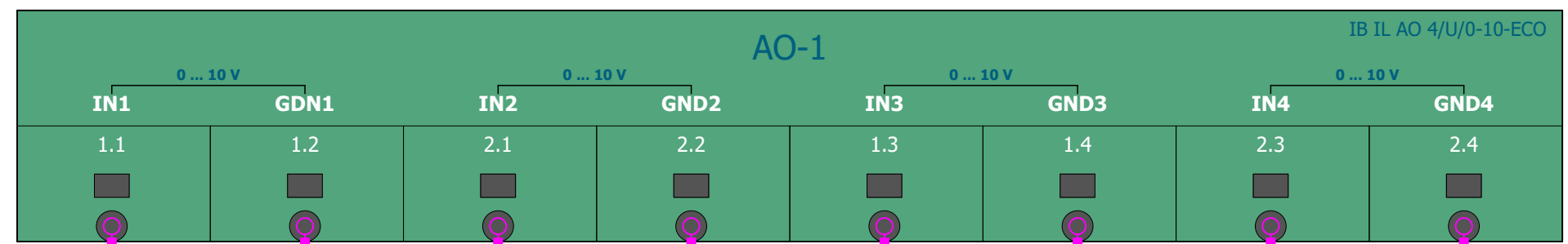
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Field Connection

(CAV AHU-21)
Supply Fan VFD
Speed Control

(CAV AHU-18)
Supply Fan VFD
Speed Control

Spare

Spare



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