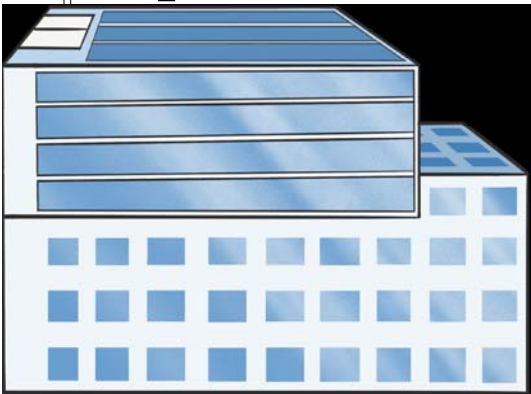
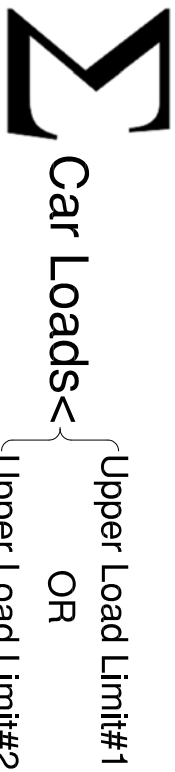


ICI01EVCMC-EMS-S-24 ENERGY MANAGEMENT SYSTEM



Main Incoming Power

Utility Owned Meter

Utility Owned Transformer

Sub-Metering Maximum Allowable Demand (Upper Load Limit#1)

f-meter-45 MDU

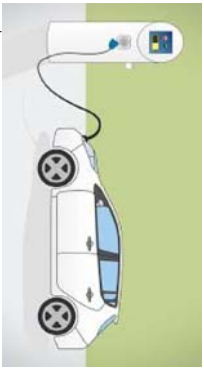
P1 PANEL
54 cct's
250 Amp. BUS.
24X2P (40A)
CT RAIL
2XI-45 Meter

f-meter-45 MDU

Metering Maximum Ampacity (Upper load Limit#2)

NOTE:
The maximum amperage of each phase as well as the maximum amperage of the panel can be programmed and controlled by the software/DCU depending on the configuration/panel model ordered. Outside labels indicating the maximum current limitation.

EV CHARGING STATION#01

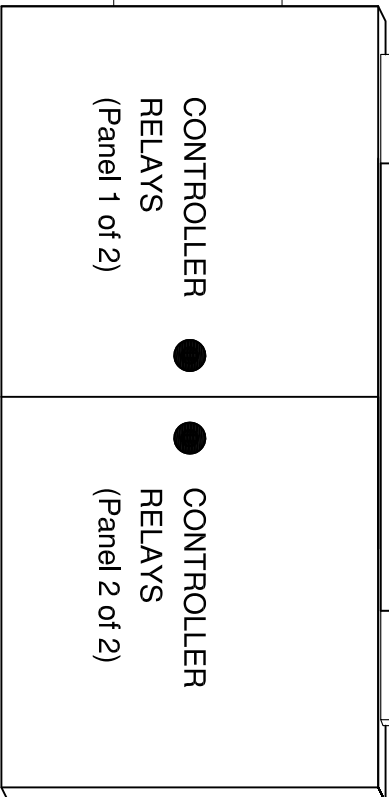


208V, 40A

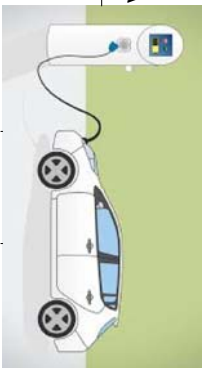
EV CHARGING STATION#12



208V, 40A

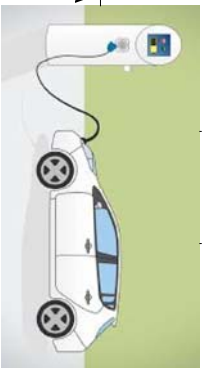


EV CHARGING STATION#13



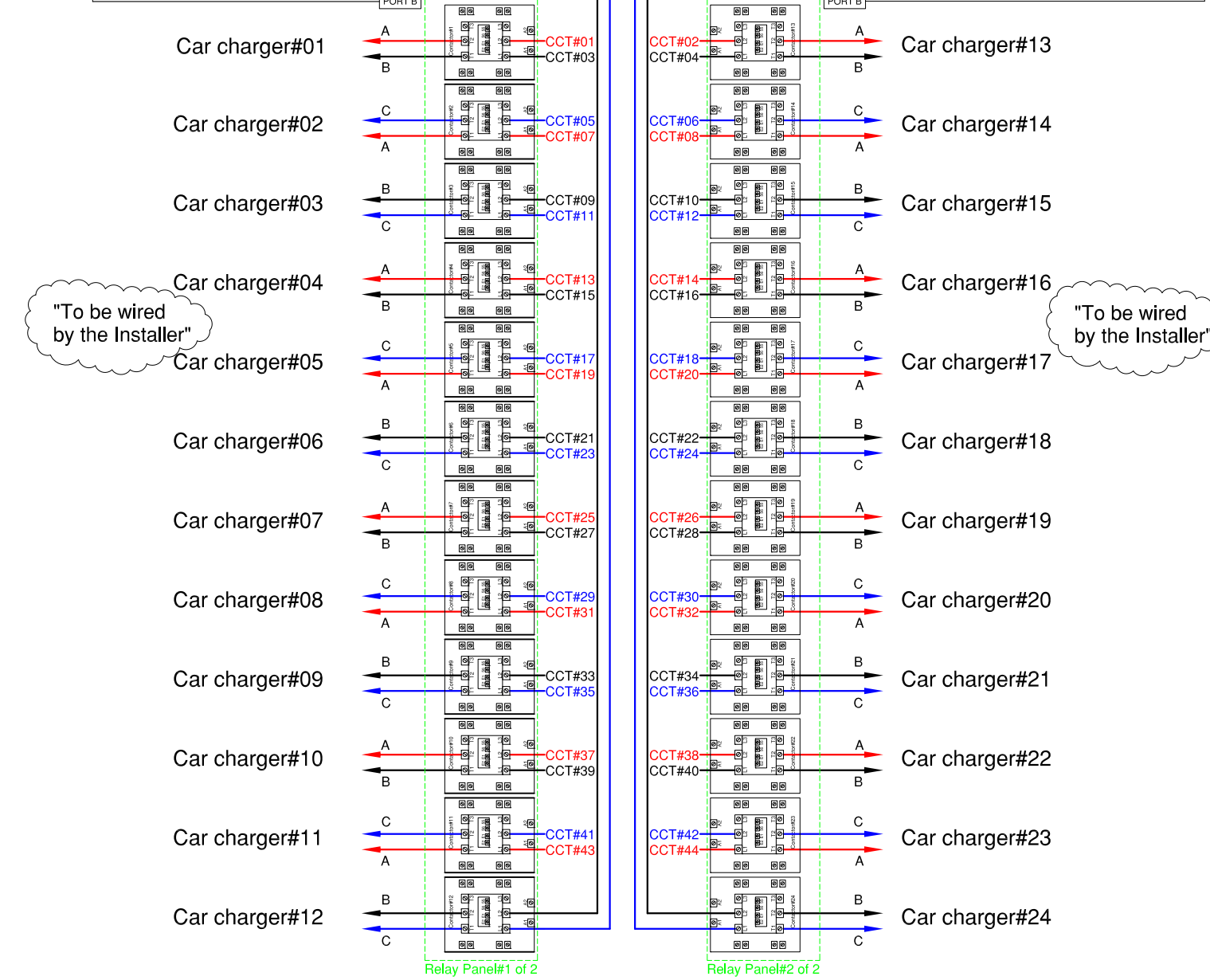
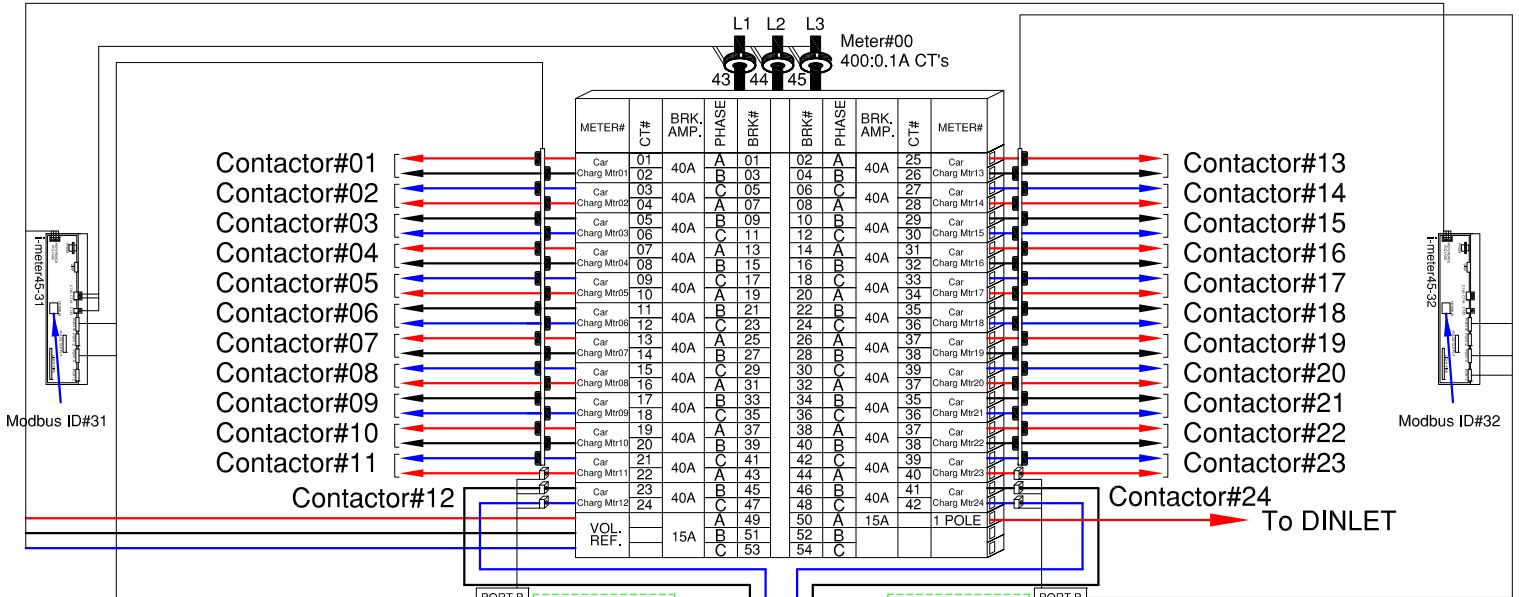
208V, 40A

EV CHARGING STATION#24



208V, 40A

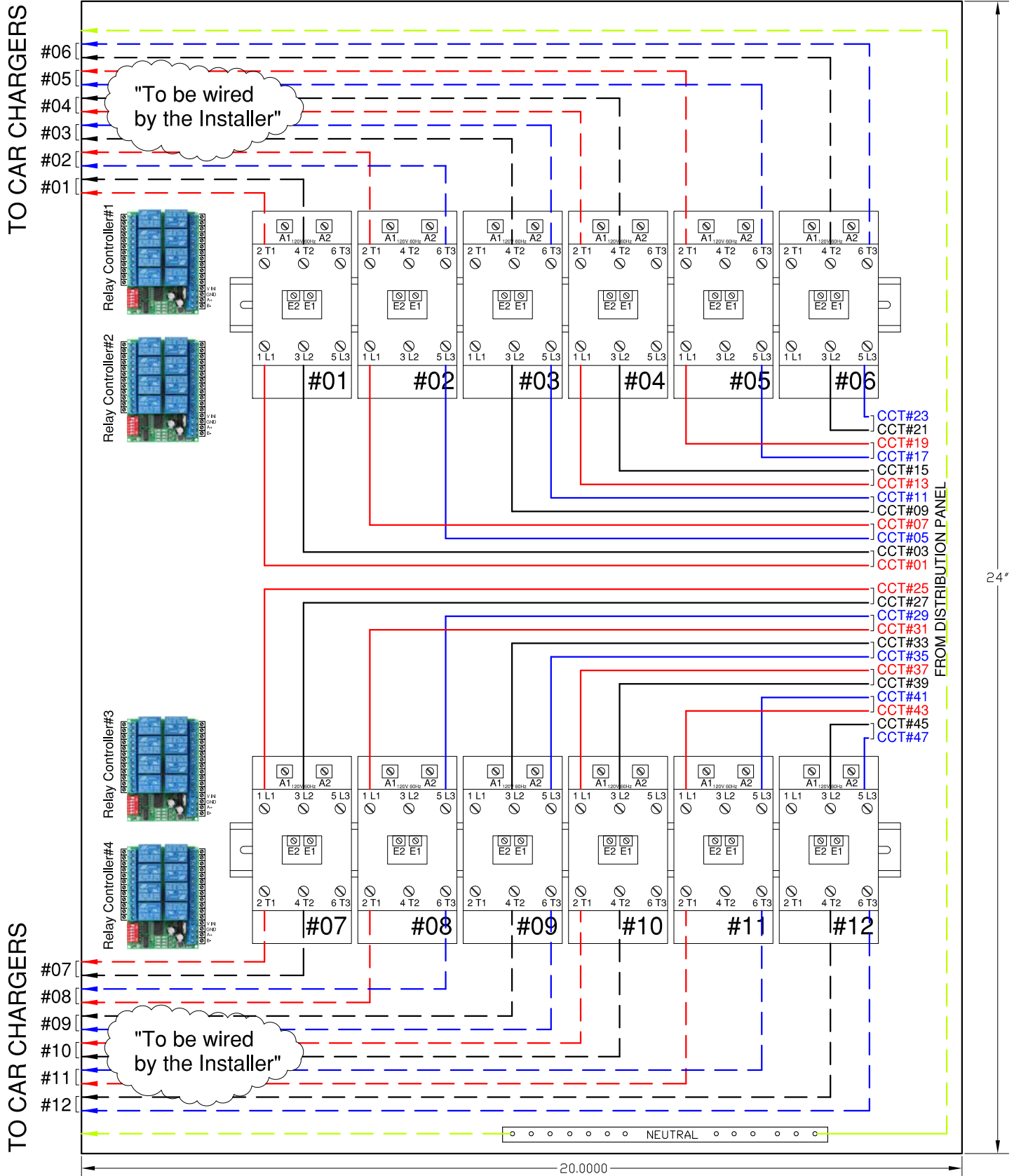
ICI01EVCMC-EMS-S-24 ENERGY MANAGEMENT SYSTEM i-meter45 Meter and Power Relays Wiring Diagram



ICI01EVCMC-EMS-S-24 ENERGY MANAGEMENT SYSTEM

Contactor with Mechanical Latch Power Wiring Diagram

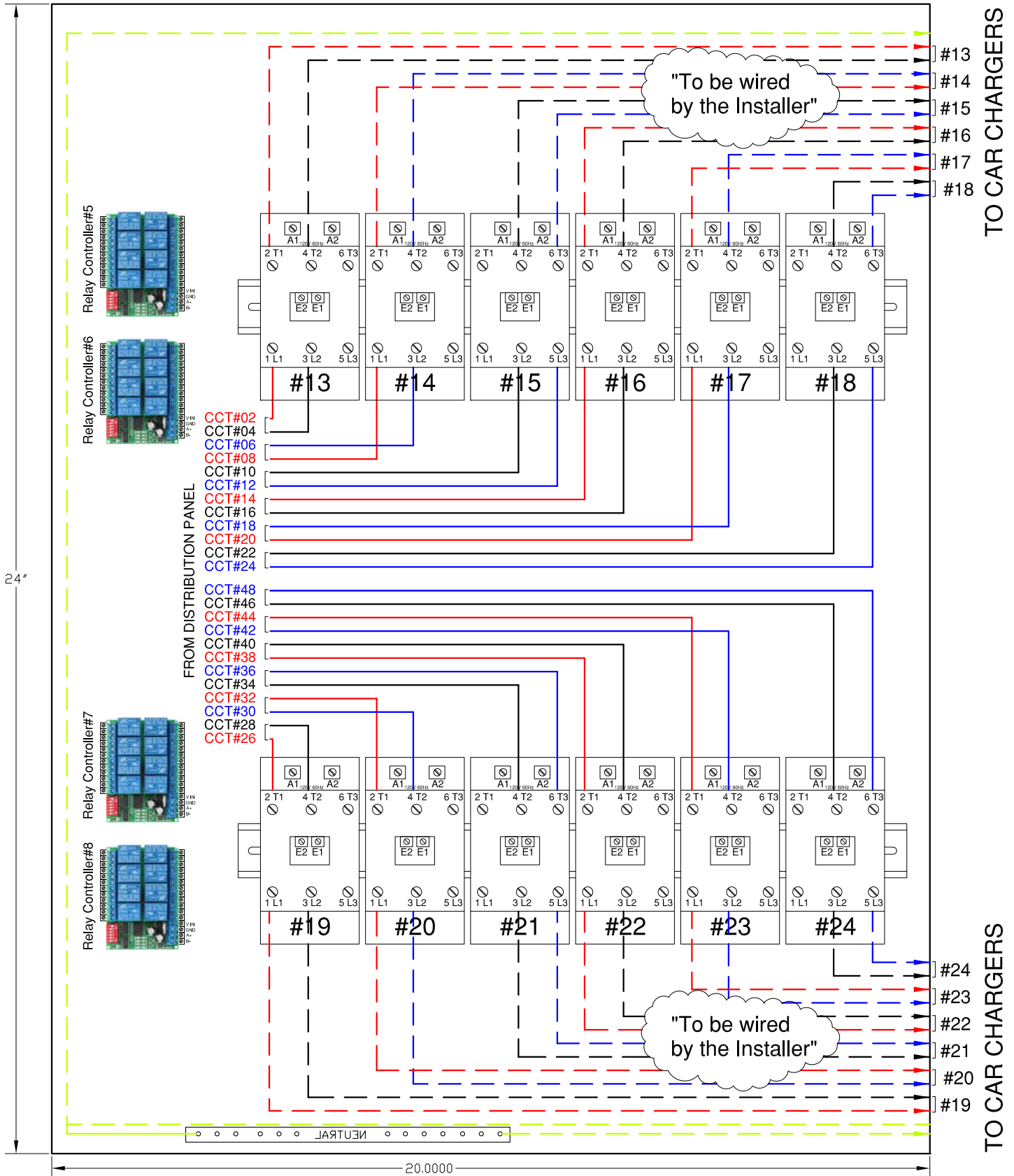
24"X20"X10" Enclosure (Panel 1 of 2)



ICI01EVCMC-EMS-S-24 ENERGY MANAGEMENT SYSTEM

Contactor with Mechanical Latch Power Wiring Diagram

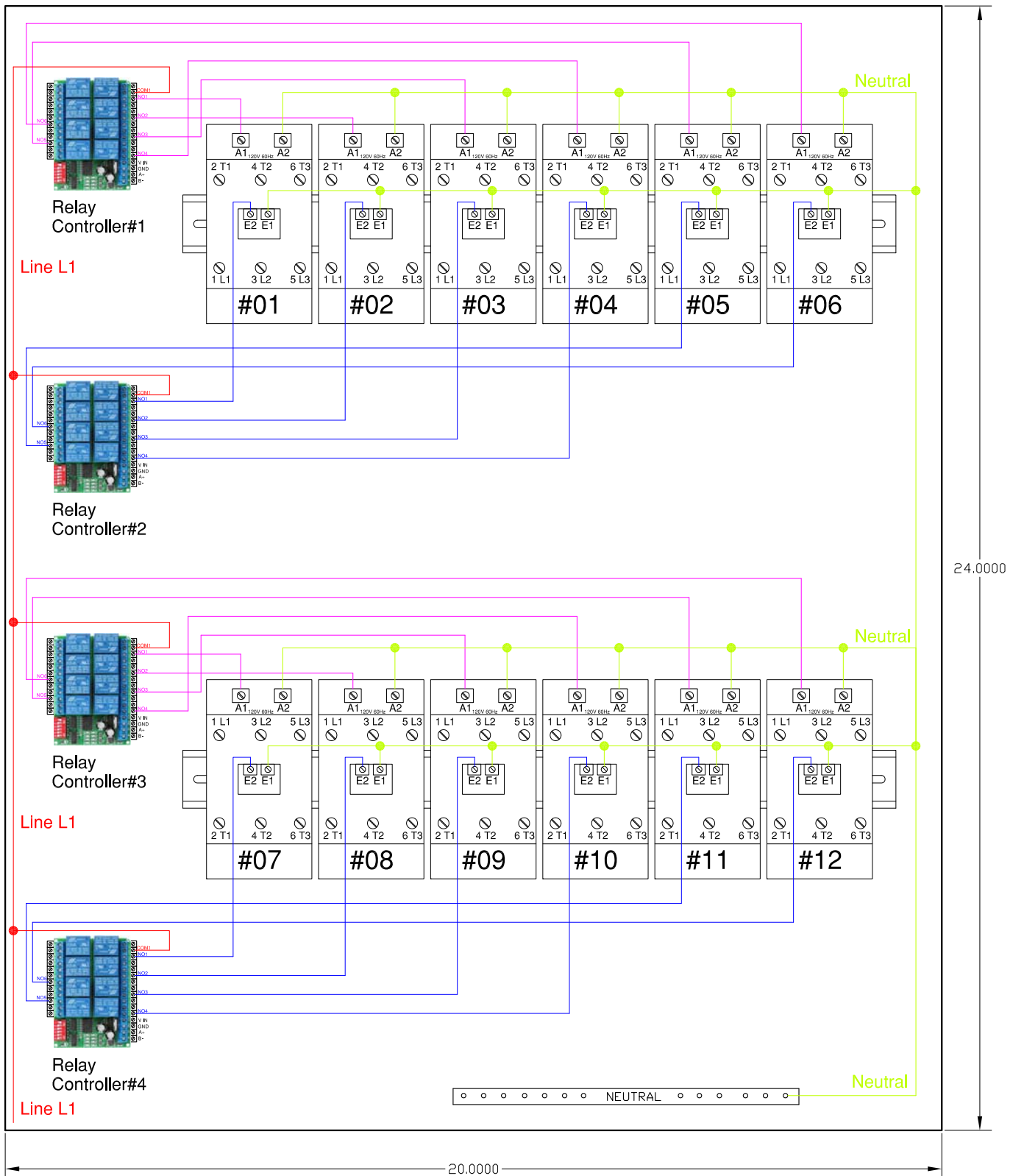
24"X20"X10" Enclosure (Panel 2 of 2)



ICI01EVCMC-EMS-S-24 ENERGY MANAGEMENT SYSTEM

Contactor with Mechanical Latch to New Relay board Wiring Diagram

24"X20"X10" Enclosure (Panel 1 of 2)

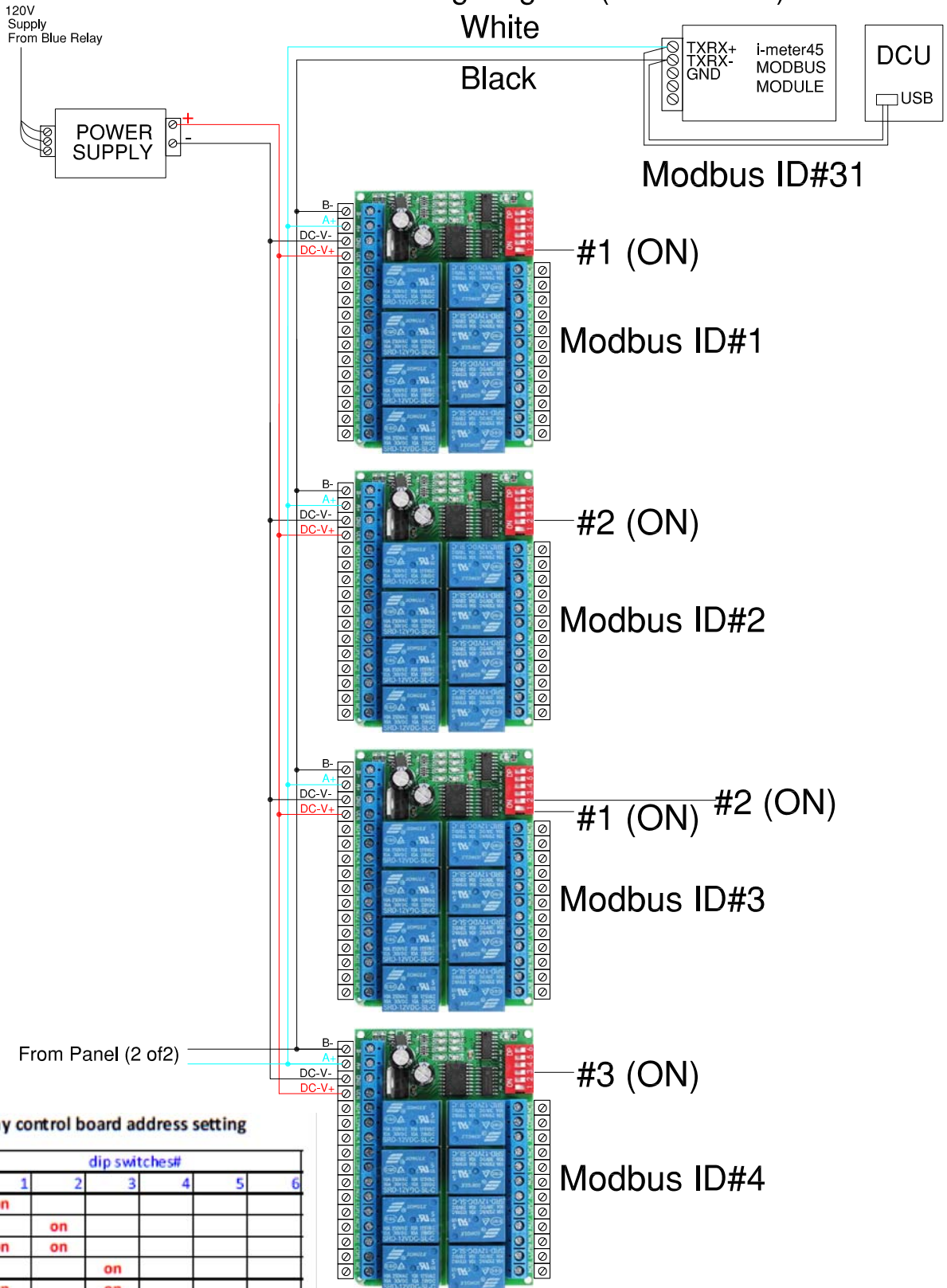


24.0000

20.0000

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Communication wiring diagram (Panel 1 of 2)

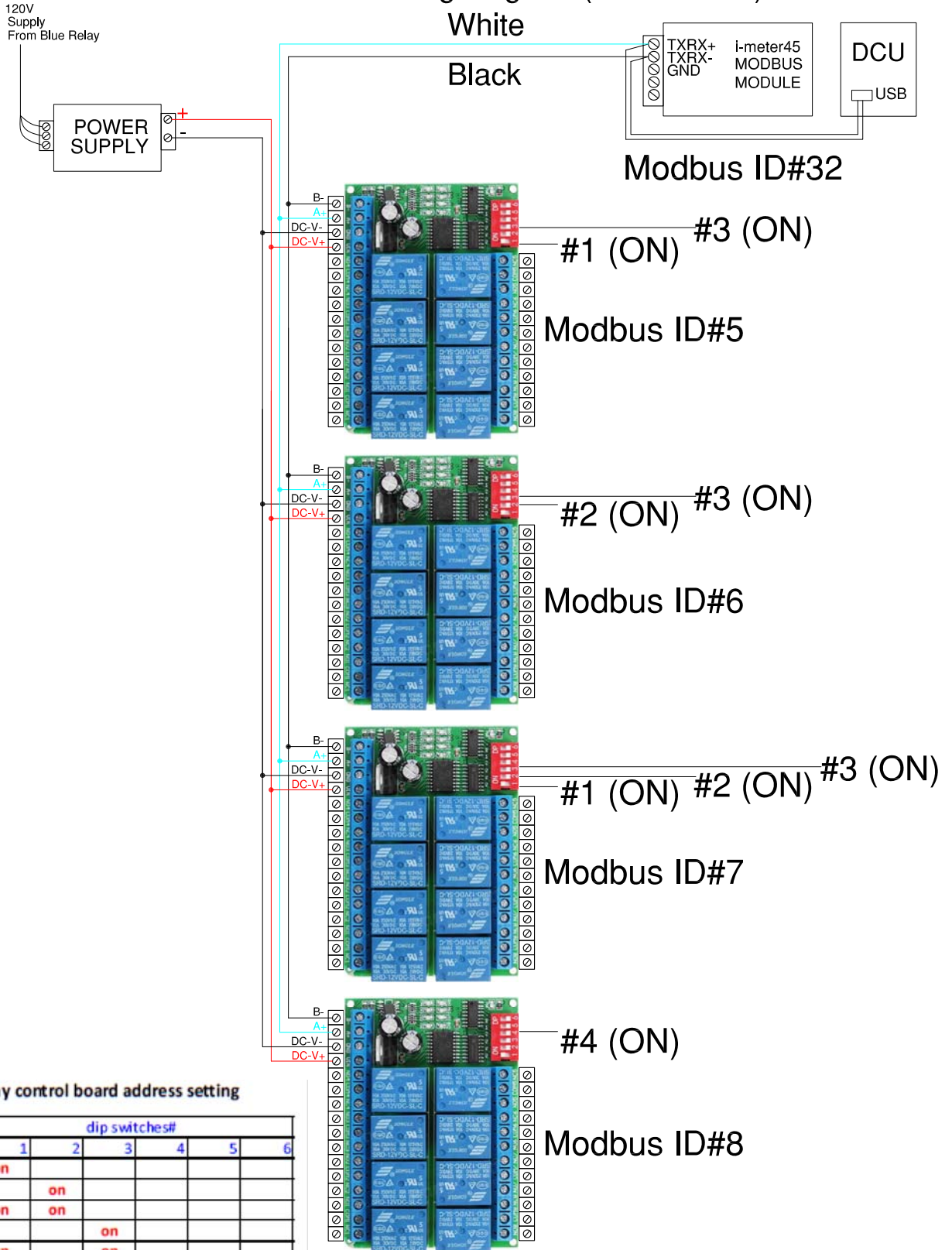


relay control board address setting

board address	dip switch#					
	1	2	3	4	5	6
1	on					
2		on				
3	on	on				
4			on			
5	on		on			
6		on	on			
7	on	on	on			
8				on		
9	on				on	
10		on		on		

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Communication wiring diagram (Panel 2 of 2)



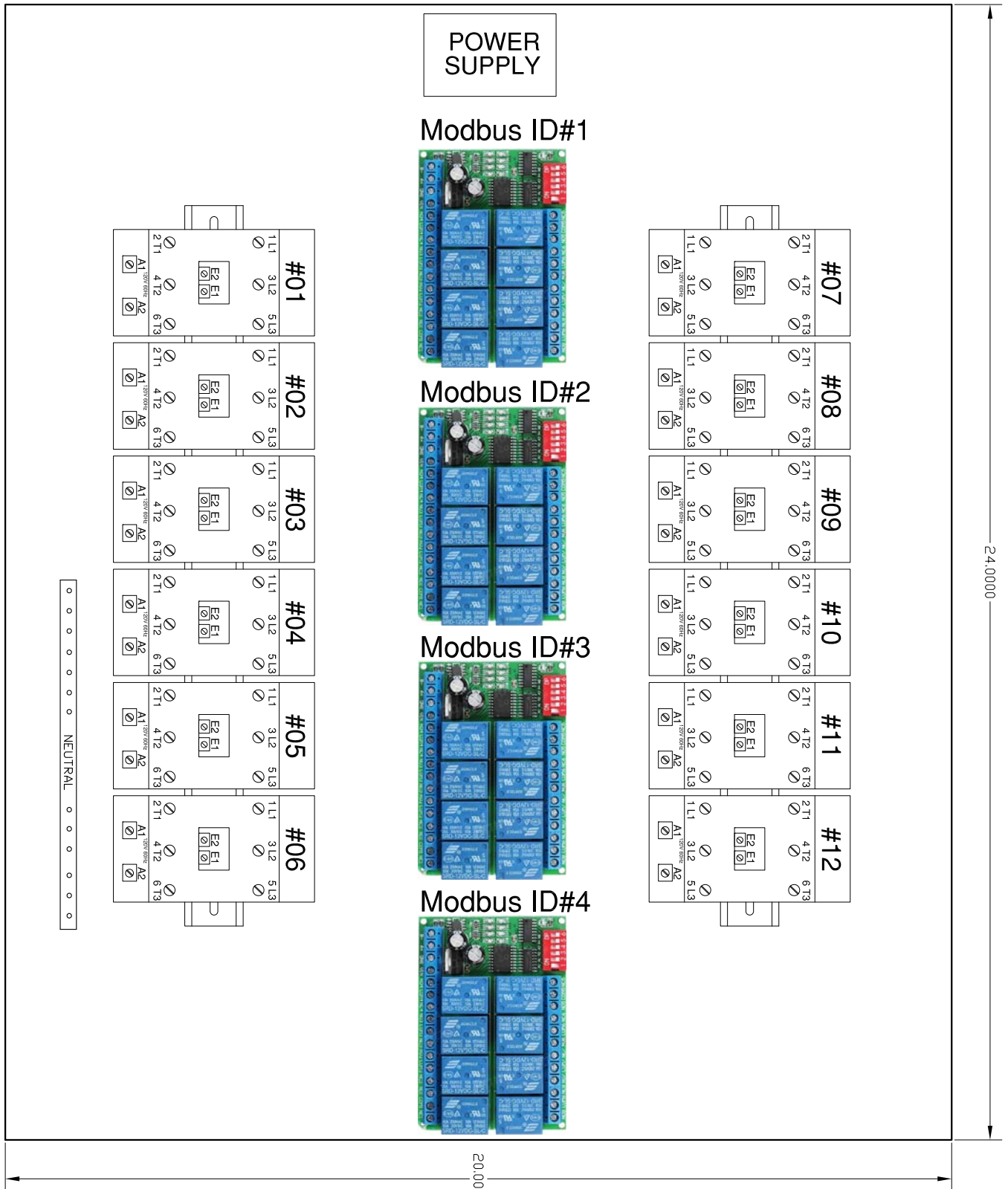
relay control board address setting

board address	dip switch#					
	1	2	3	4	5	6
1	on					
2		on				
3	on	on				
4			on			
5	on		on			
6		on	on			
7	on	on	on			
8				on		
9	on			on		
10		on	on			

ICI01EVCMC-EMS-S-24 ENERGY MANAGEMENT SYSTEM

Contactor with Mechanical Latch, Relay board and power Supply Layout

24"X20"X10" Enclosure (Panel 1 of 2)

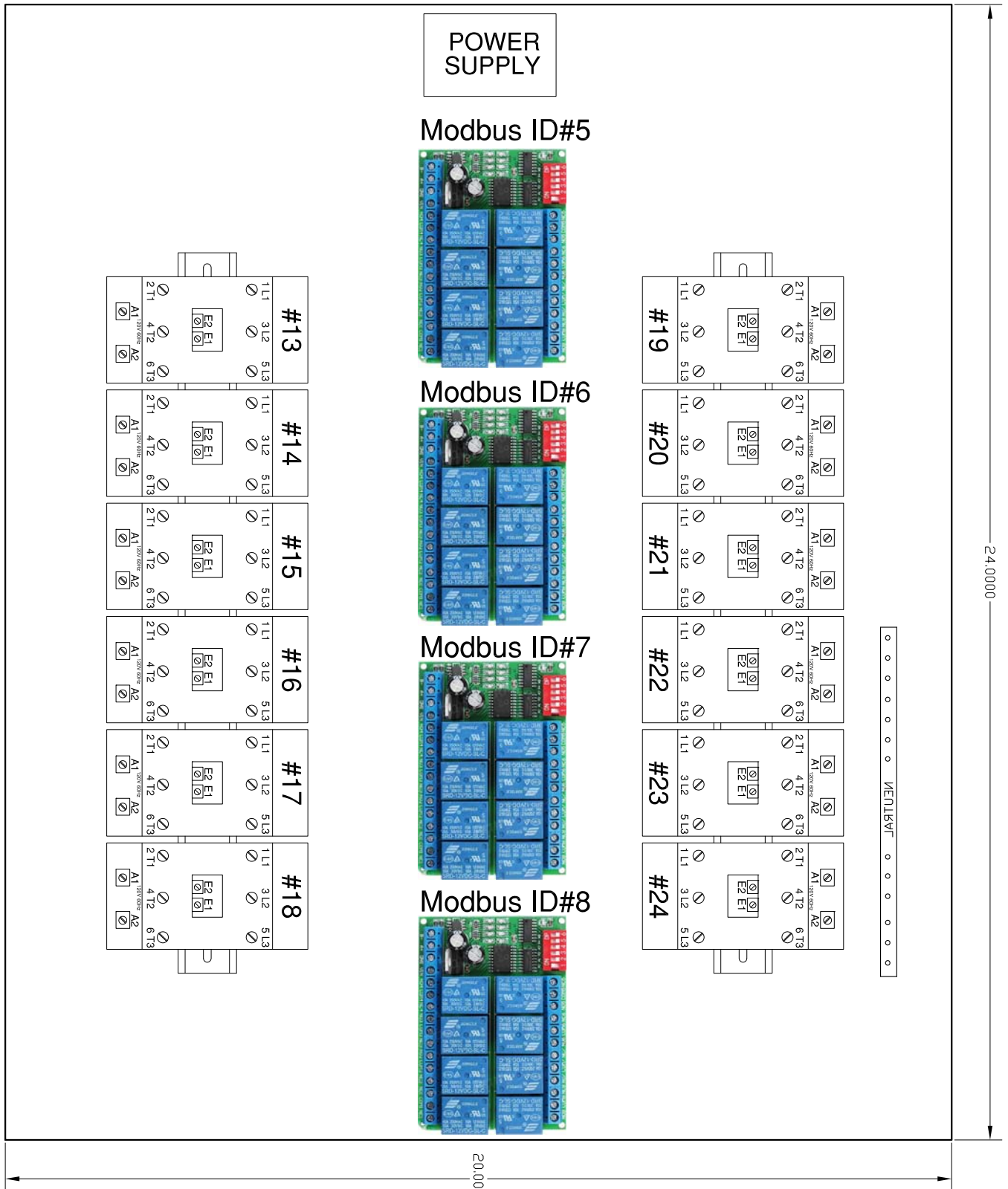


Project Name:	Distributor:	Engineer:	P.O.#	Date:	Rev.	Project#:	Drawing#:	Drawn by:	Checked:	Drawing:
				June 2022				Hossein Pakbin		

ICI01EVCMC-EMS-S-24 ENERGY MANAGEMENT SYSTEM

Contactor with Mechanical Latch, Relay board and power Supply Layout

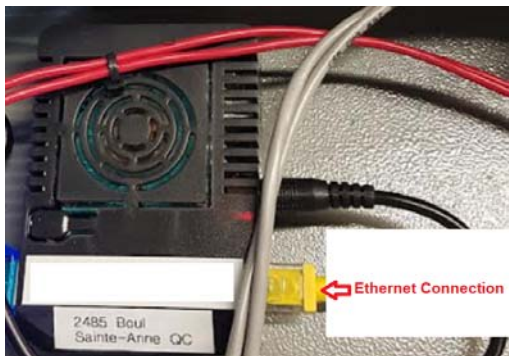
24"X20"X10" Enclosure (Panel 2 of 2)



Project Name:	Distributor:	Engineer:	P.O.#	Date:	Rev.	Project#:	Drawing#:	Drawn by:	Checked:	Drawing:
				June 2022				Hossein Pakbin		

ICI01EVCMC-EMS-S-24 ENERGY MANAGEMENT SYSTEM

i-Meter45 ,Data Collection Unit (DCU) and Meter Display Unit (MDU) Layout



**1#18 Twisted Pair
Communication
Cable
(Modbus RS-485)**

