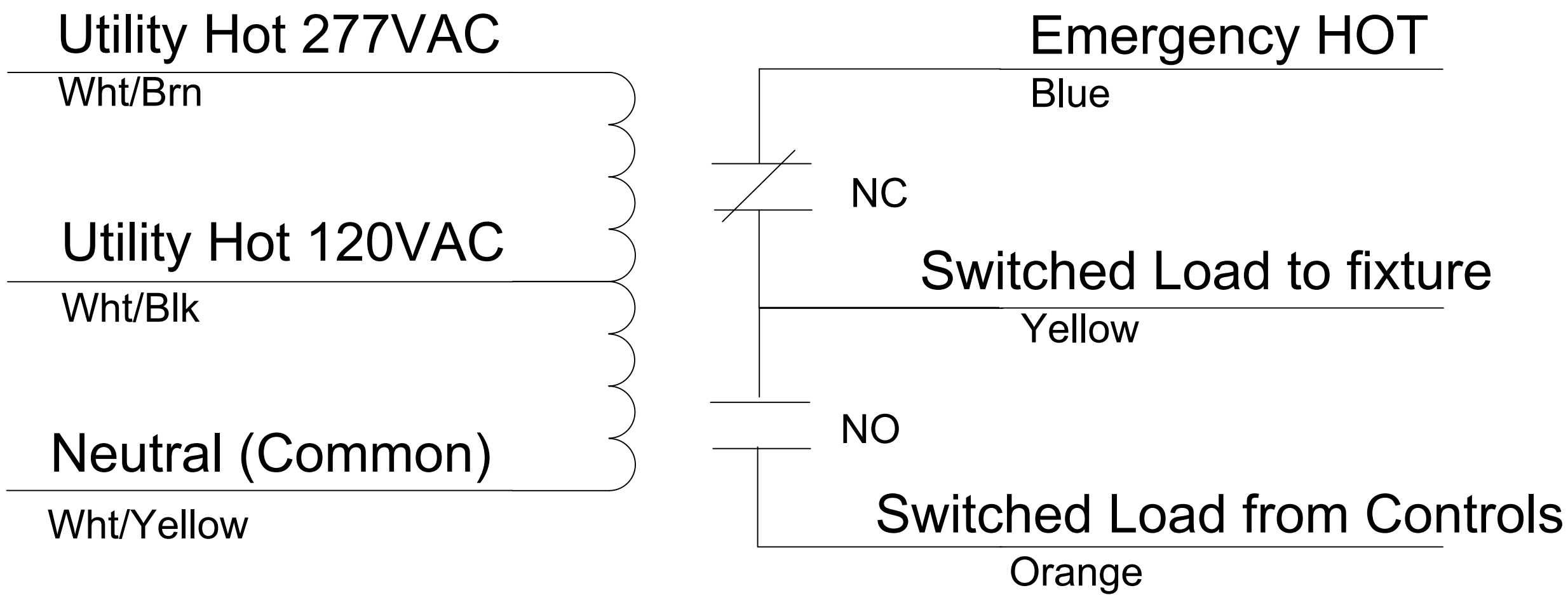
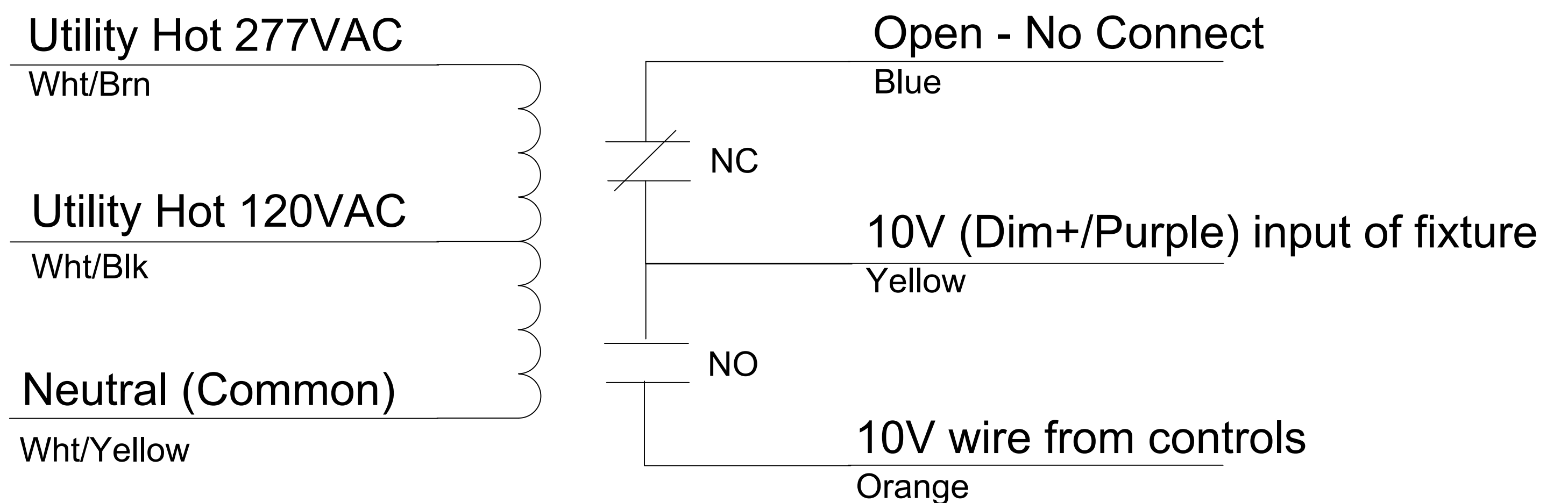


DENT-EM-TS (RIB2421B / RIB2401D)



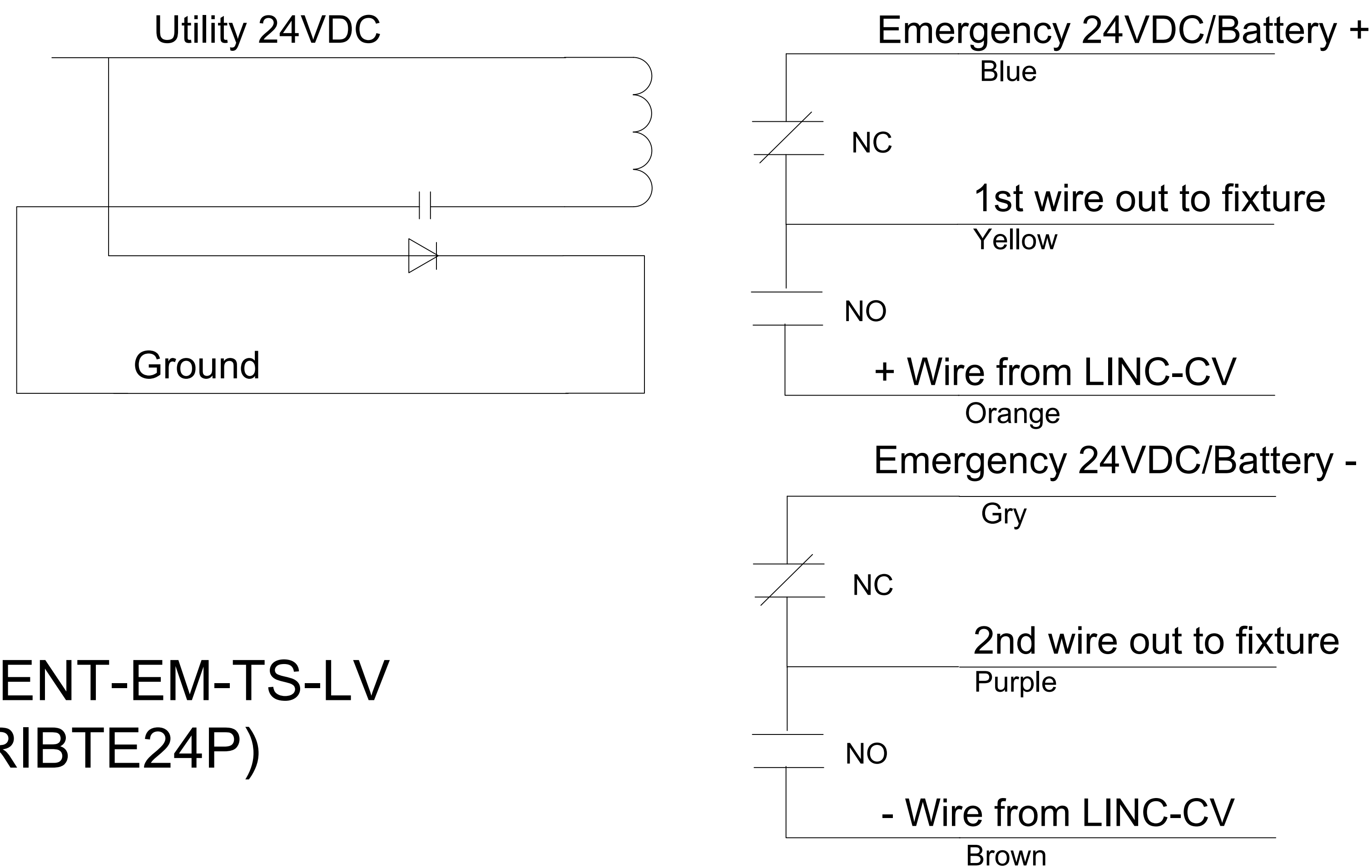
When Utility is active, the Load will be connected to the Utility HOT feed.

When Utility is lost the NC path will connect the load to the EMERGENCY HOT

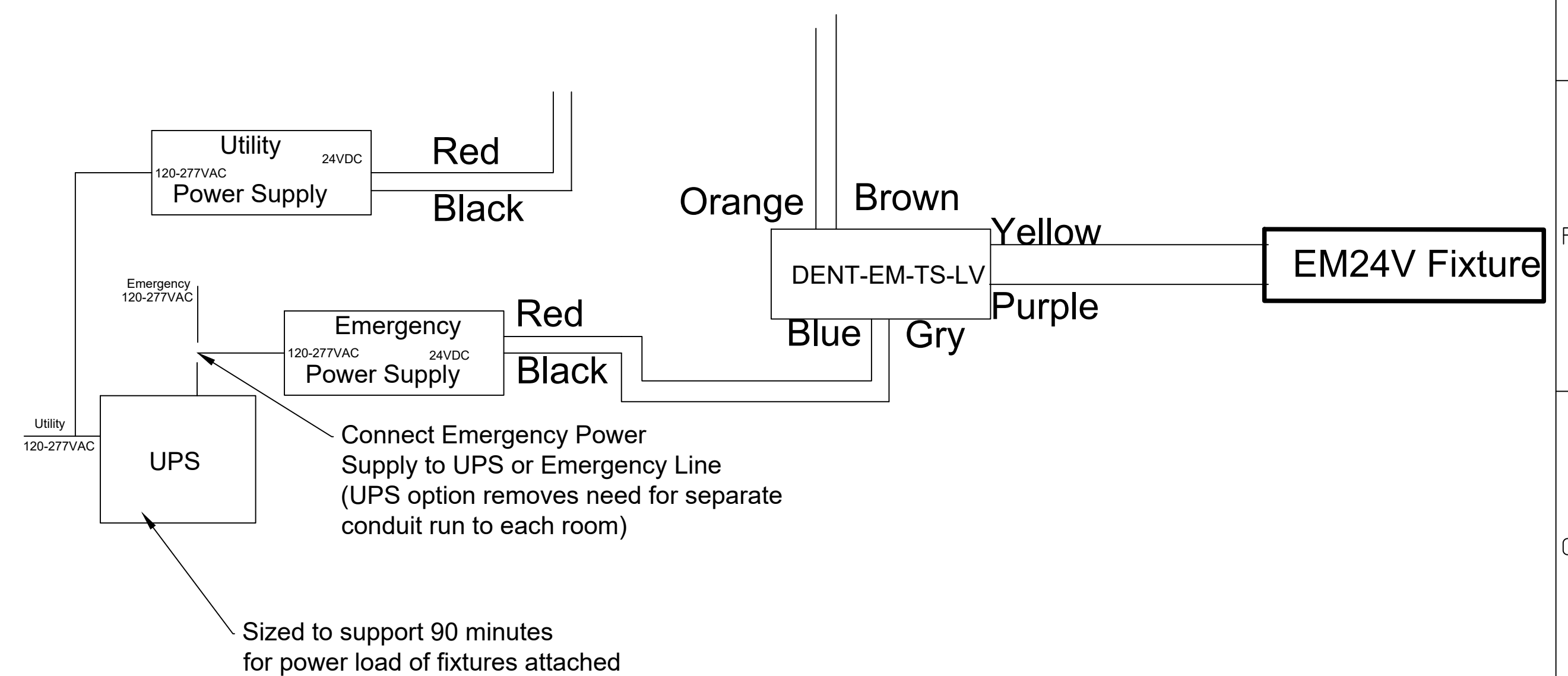


When Utility is active, the Load will be connected to the 10v wire feed from the controls/controller.

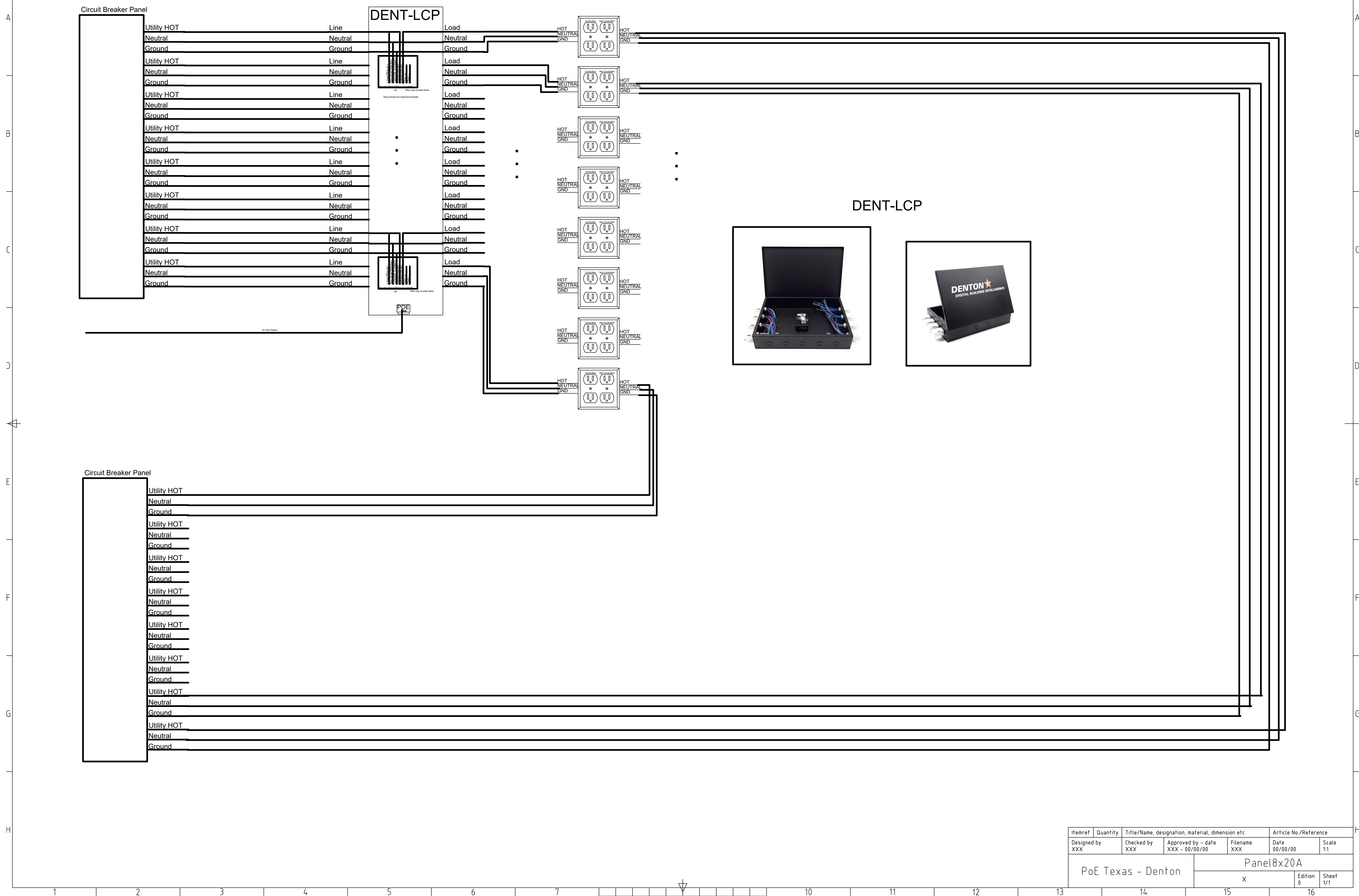
When Utility is lost the NC path will float the 10V line open causing the fixture to go to 100%

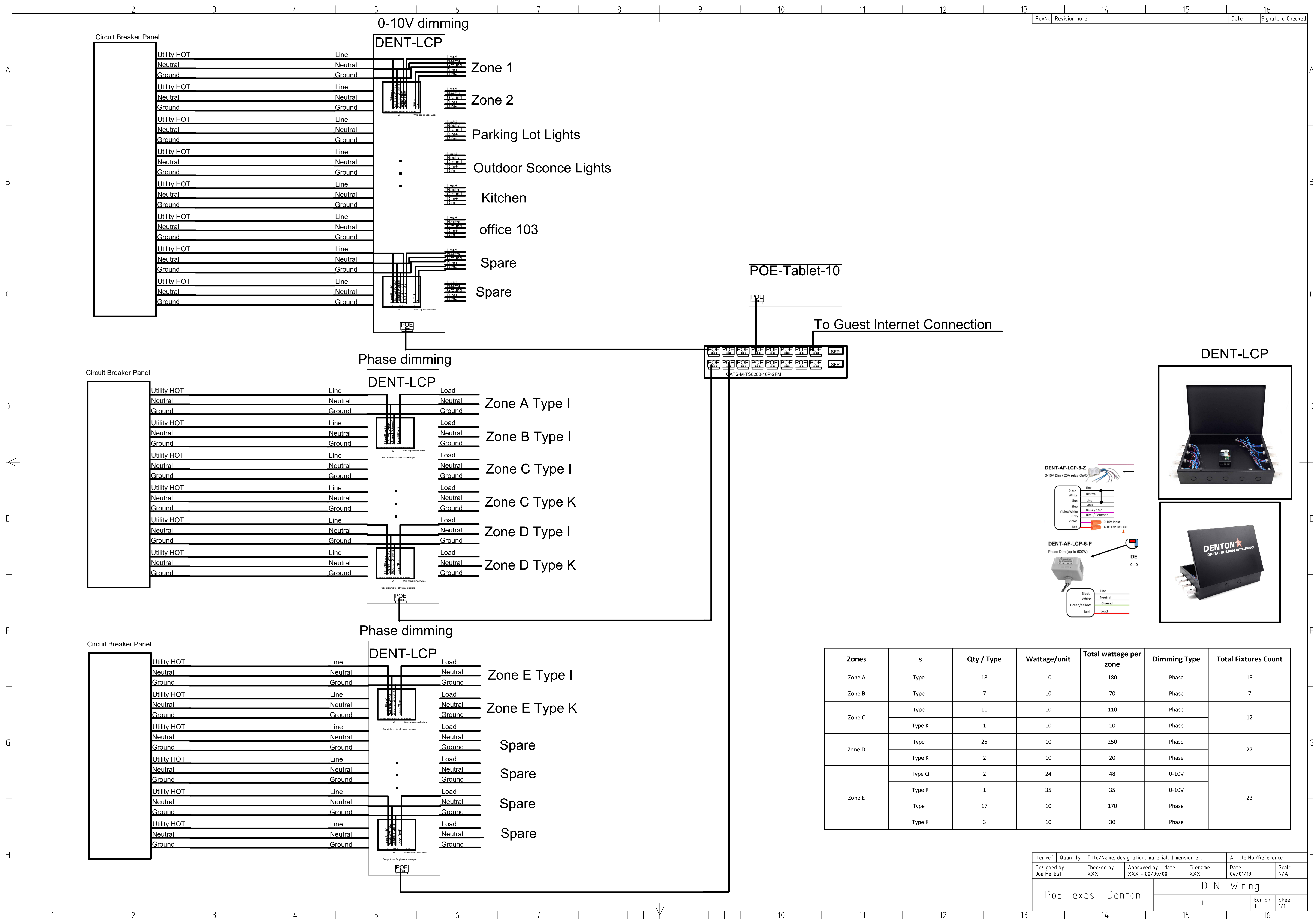


DENT-EM-TS-LV (RIBTE24P)

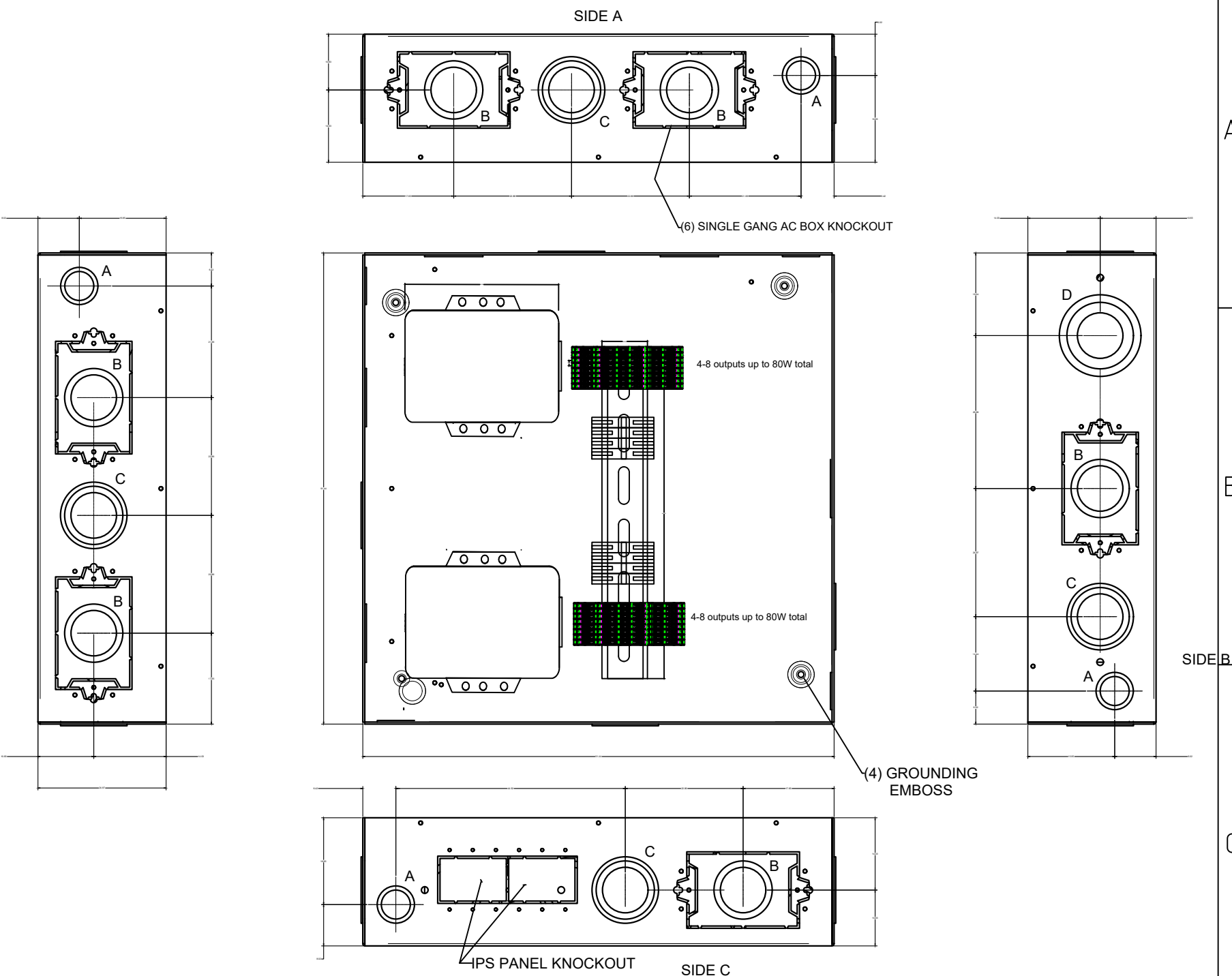
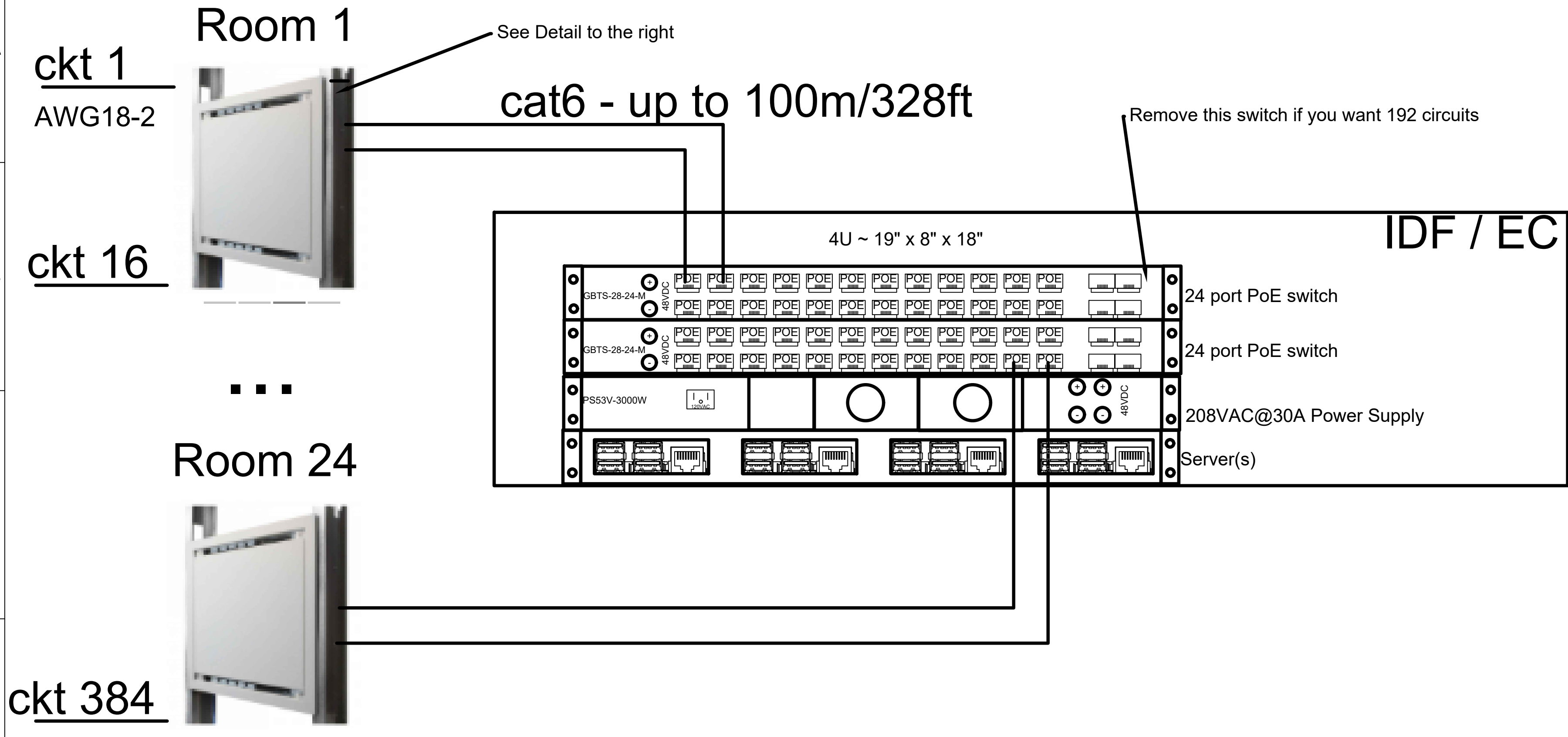


Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by XXX	Checked by PoE Texas - Denton	Approved by - date XXX - 00/00/00	Filename XXX	Date 00/00/00	Scale 1:1	
Denton Controls				Emergency Wiring		
				X	Edition 0	Sheet 1/1



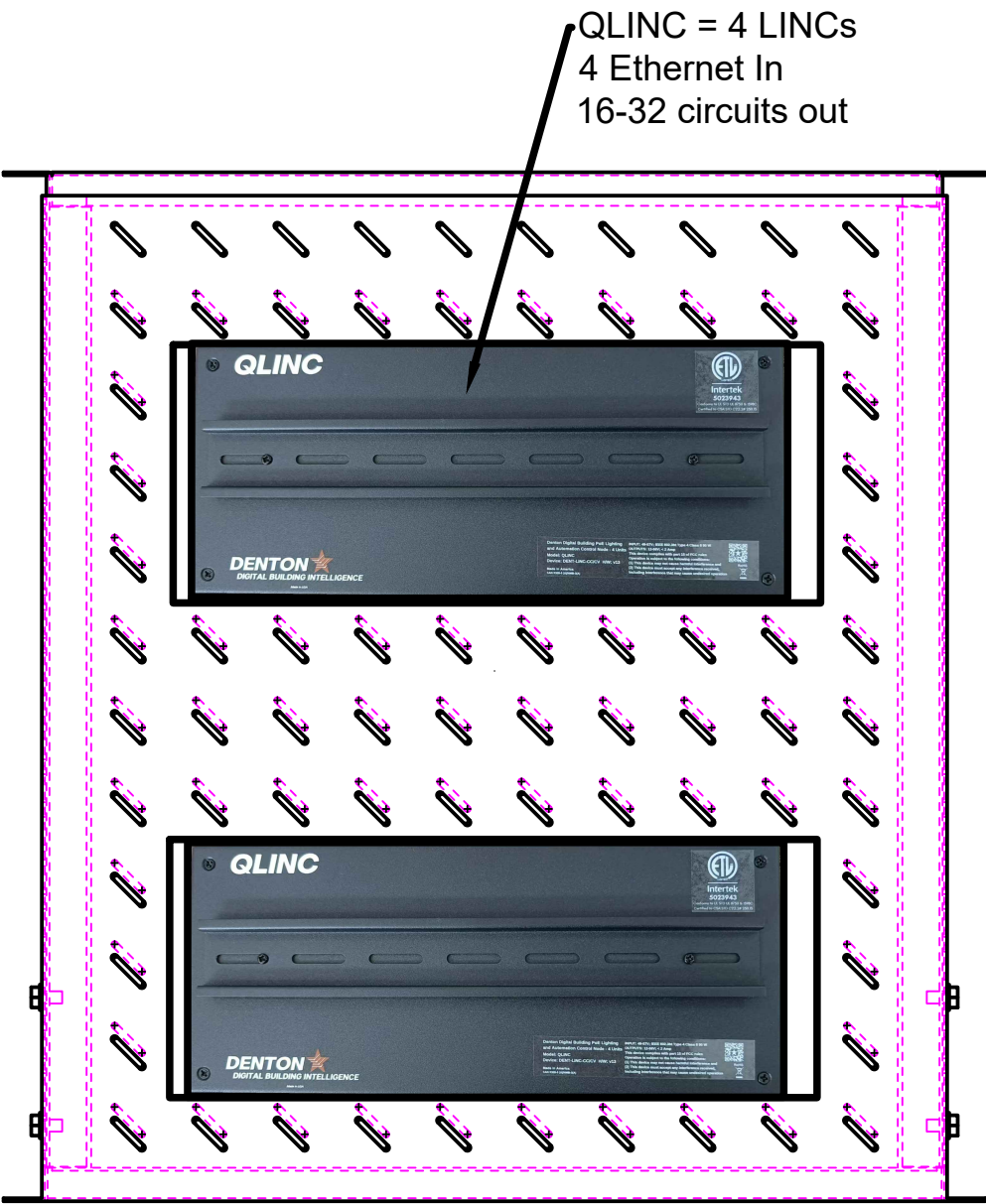
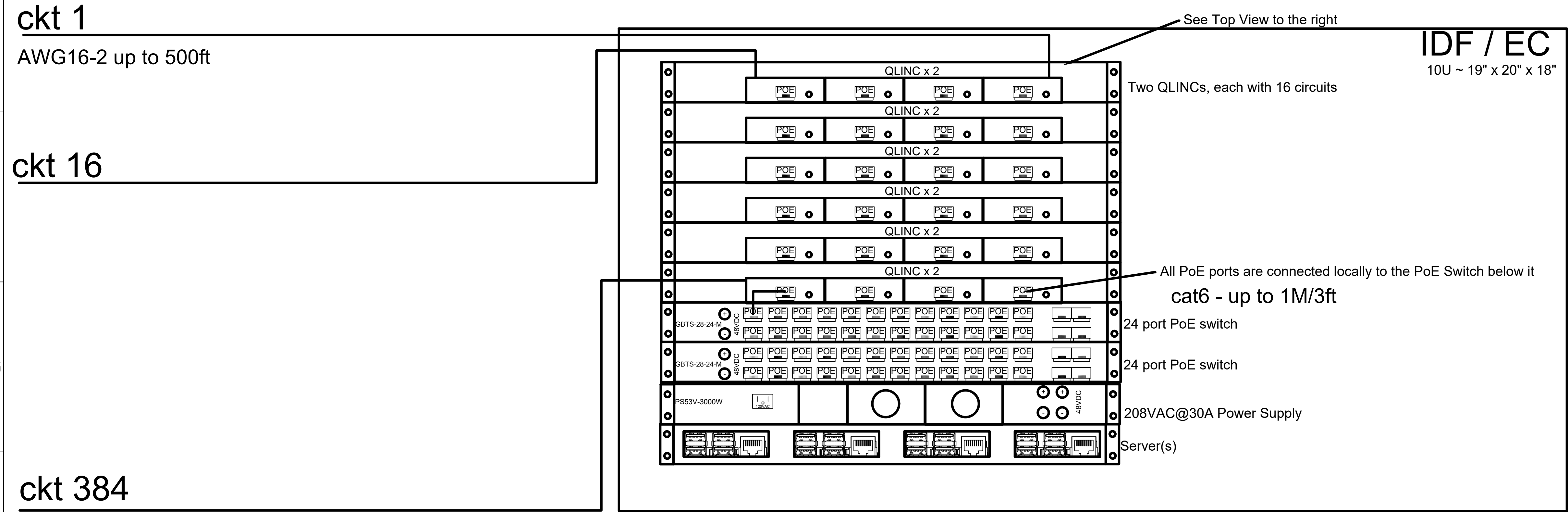


Distributed Model

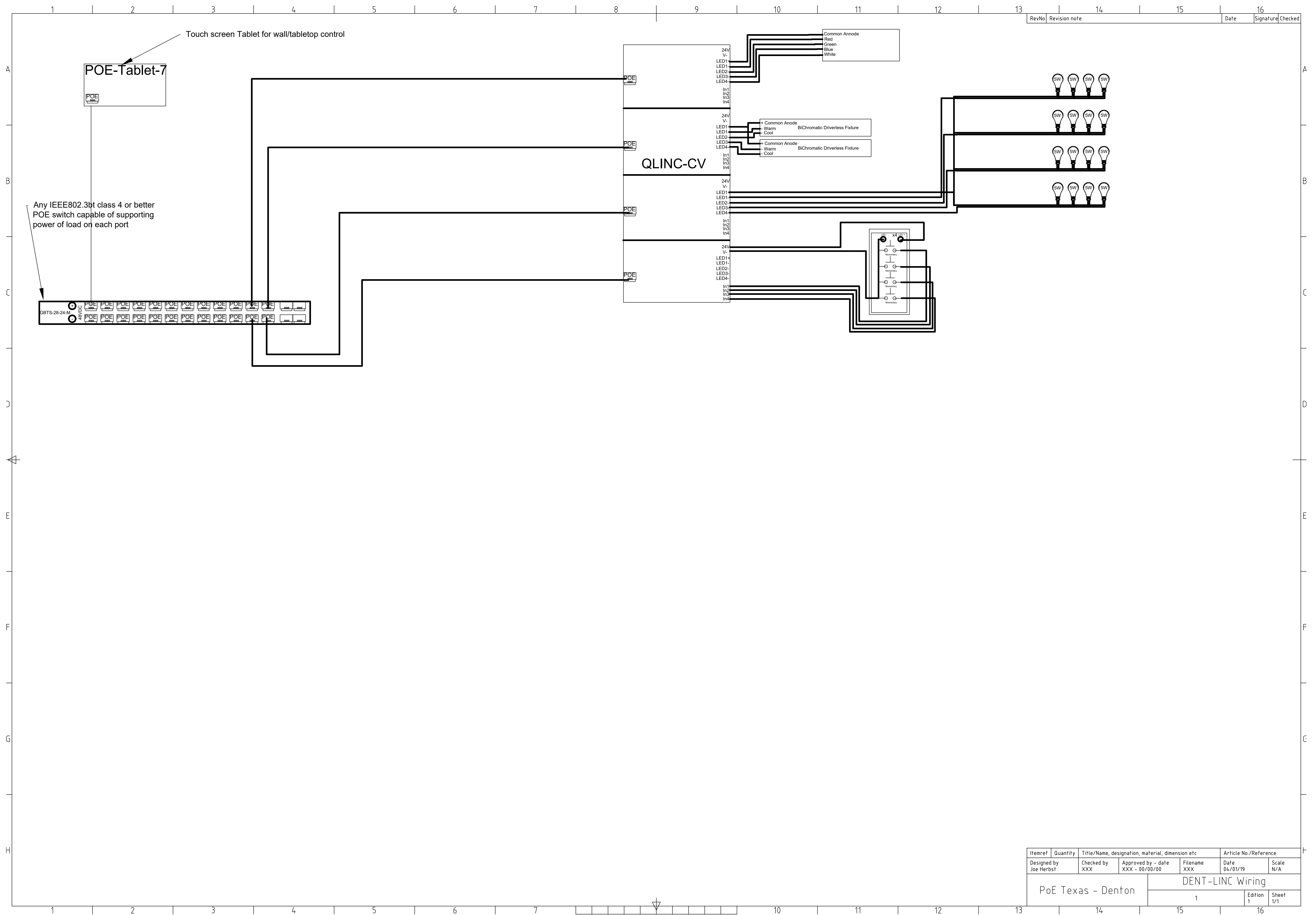


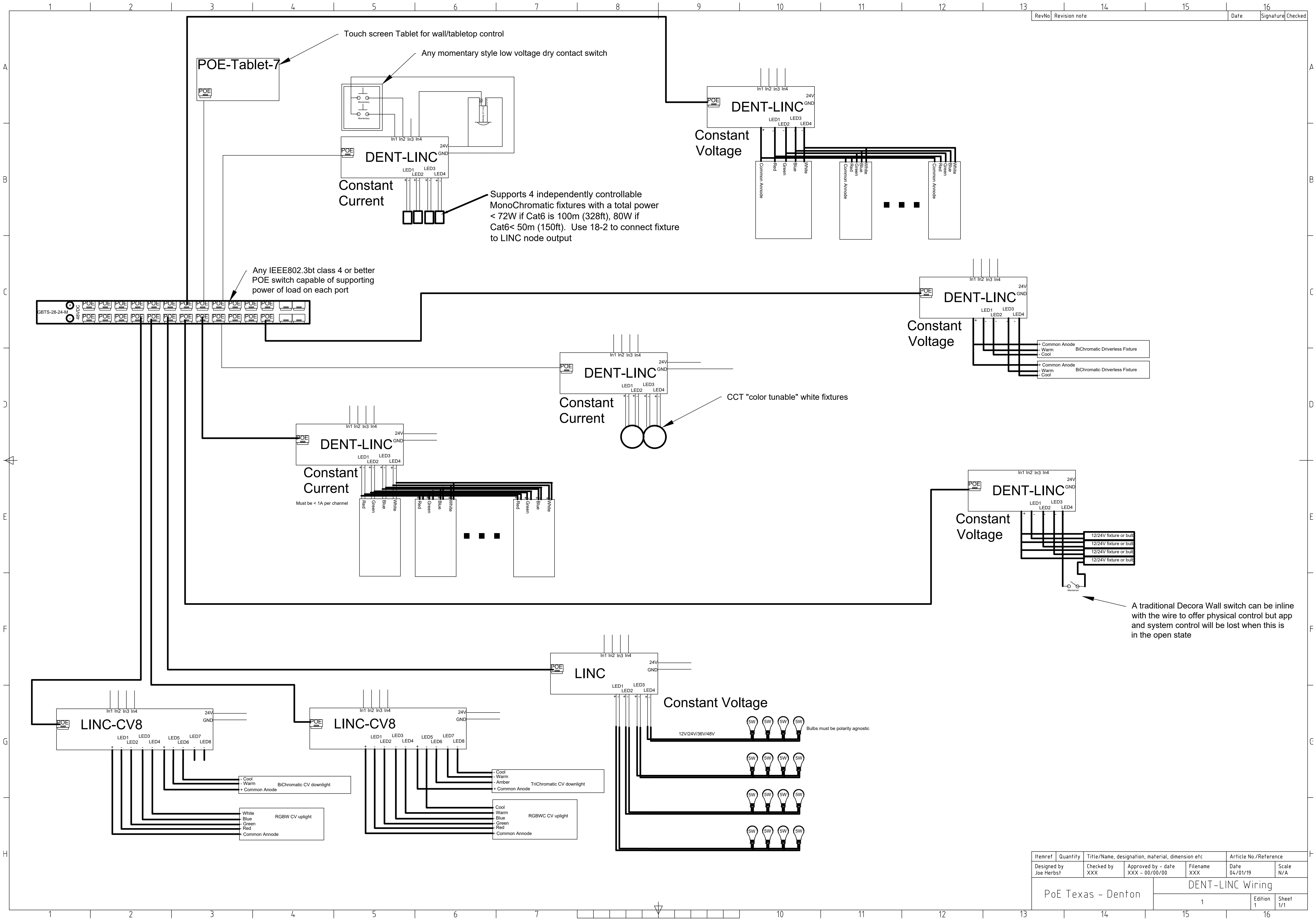
In-Wall 16 circuit driver. Two Cat6 inputs provide up to 160W of Power. A Third driver can be added with no change in space requirements

Centralized Model

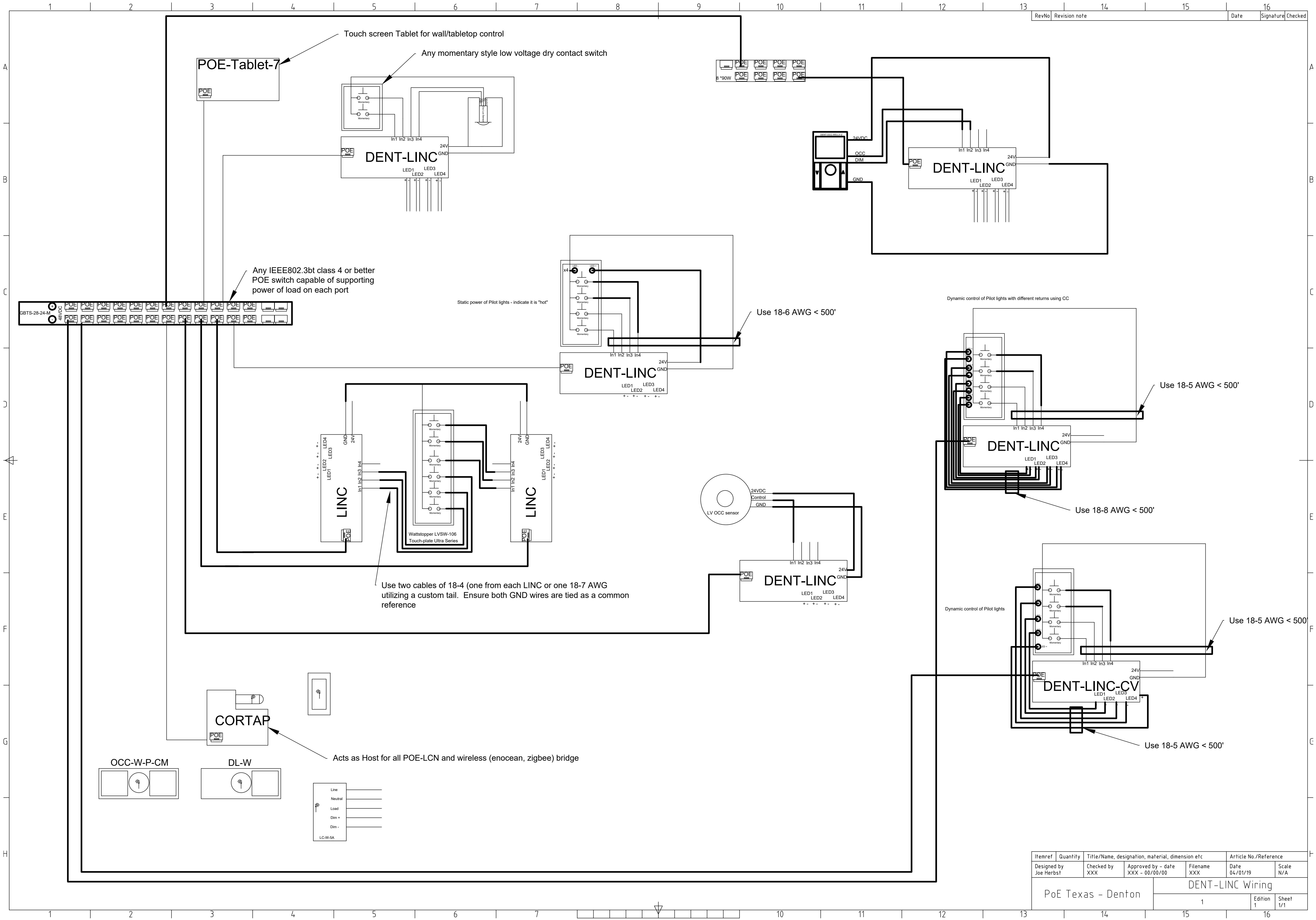


Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton			16 zone controller - Distributed			
			1	Edition 1	Sheet 1/1	

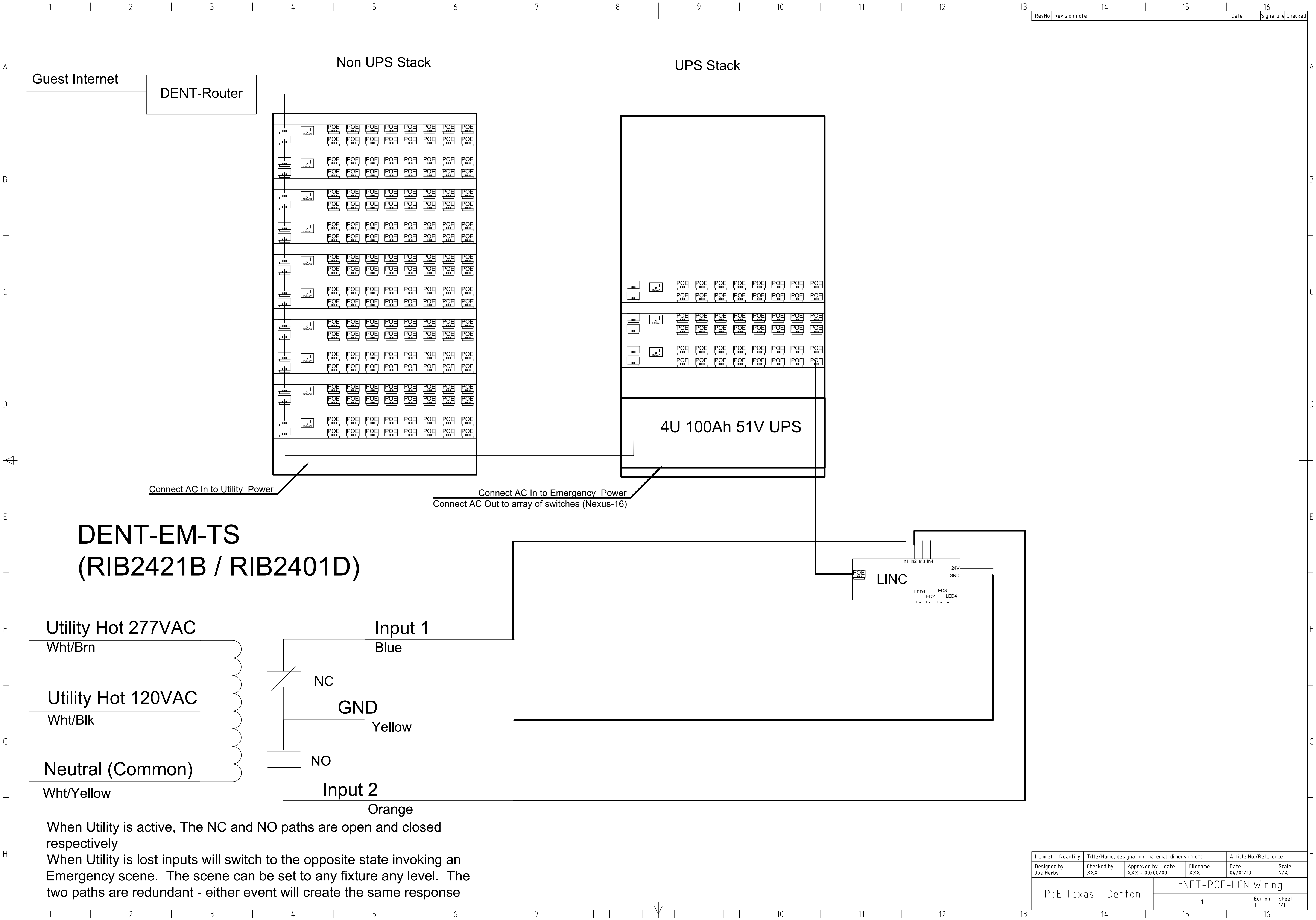


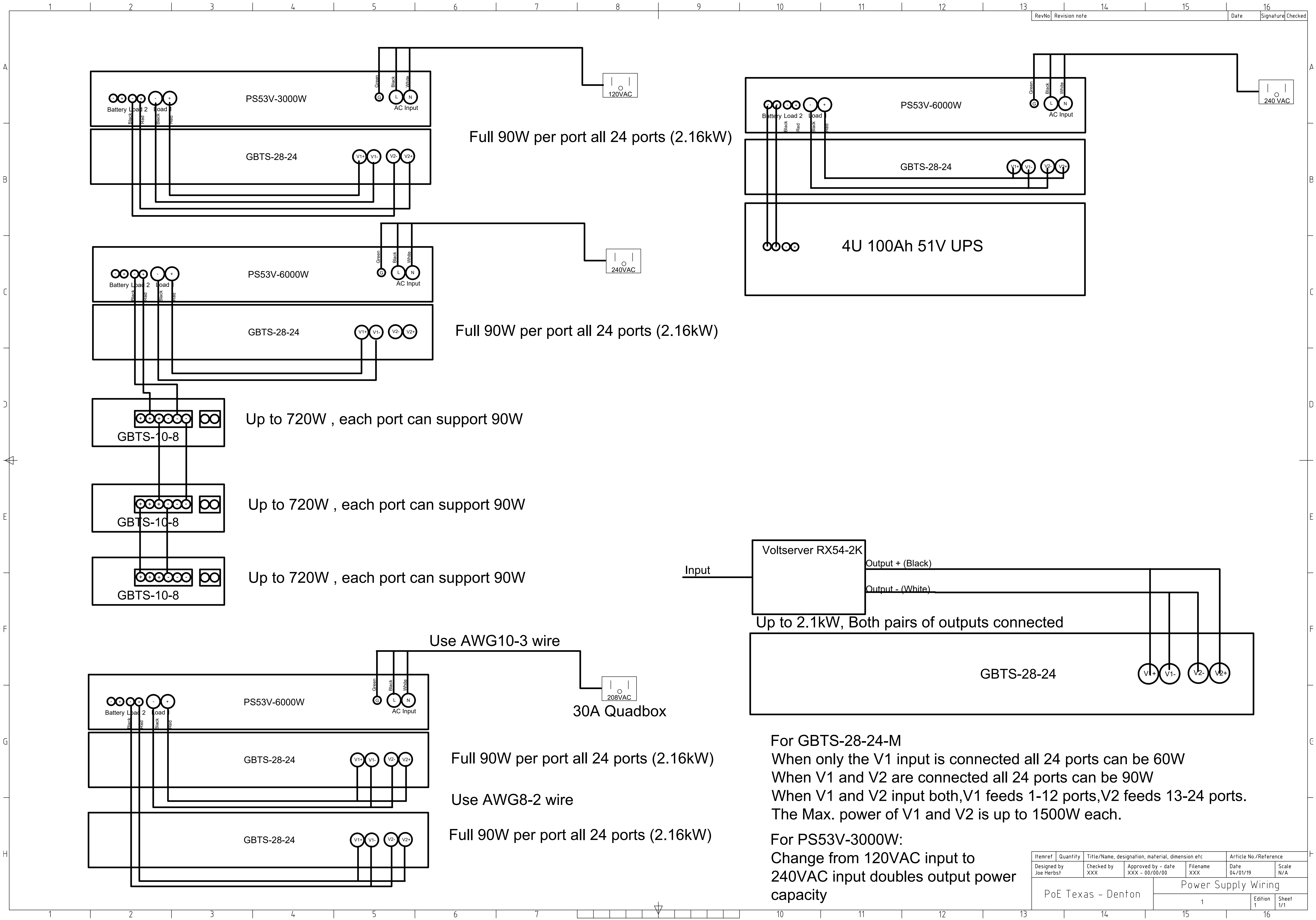


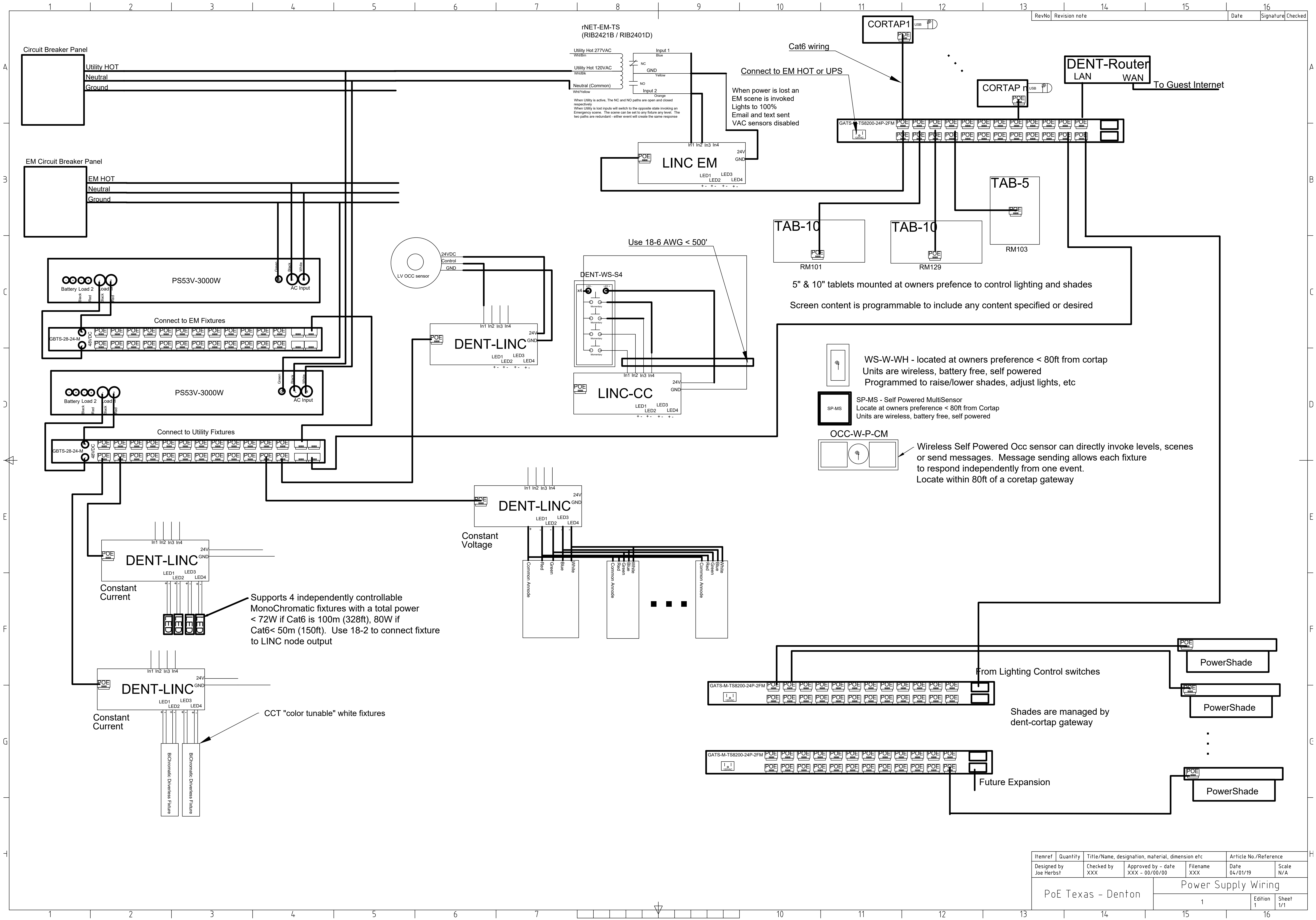
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton				DENT-LINC Wiring		
				1	Edition 1	Sheet 1/1

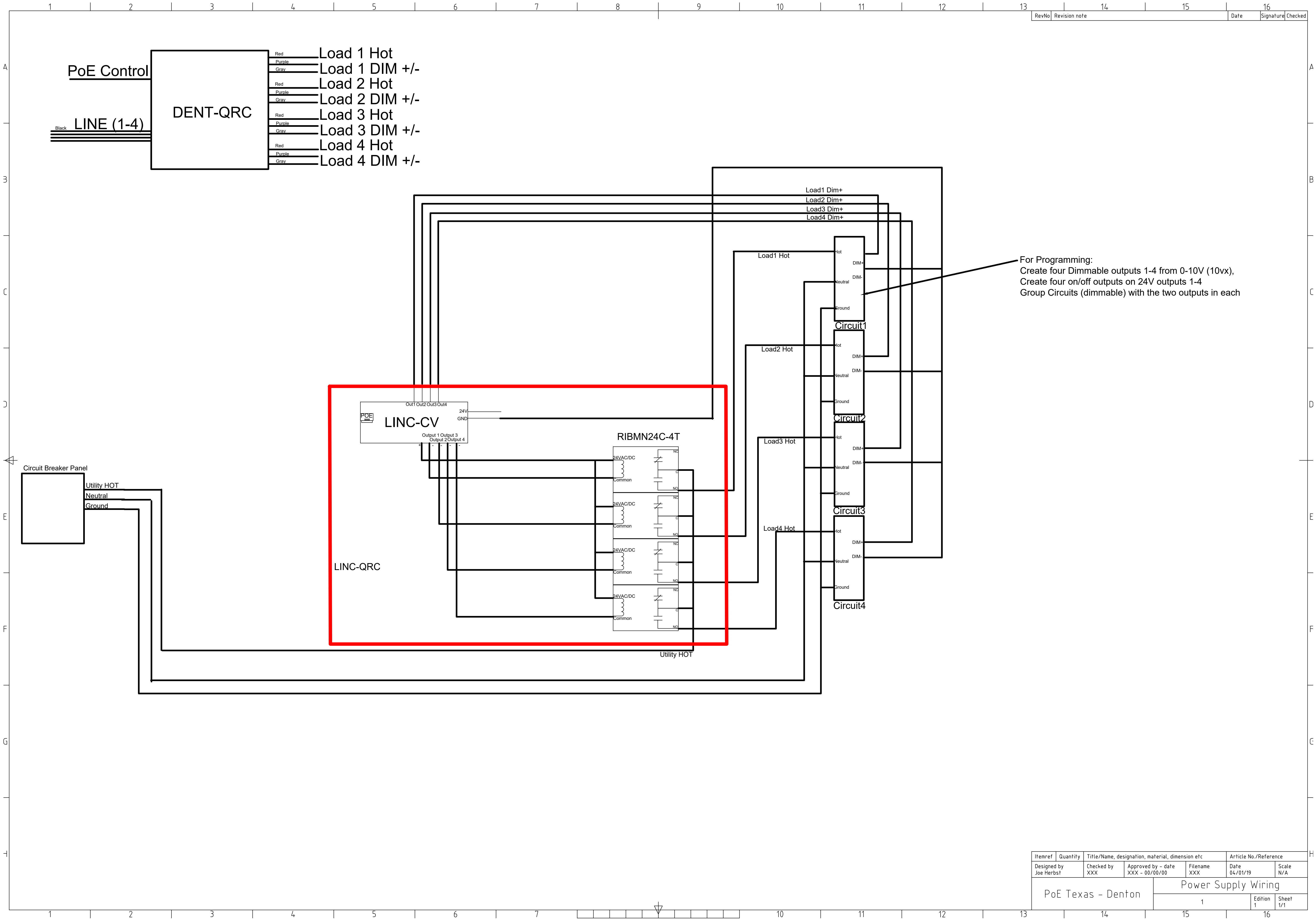


Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton				DENT-LINC Wiring		
				1	Edition 1	Sheet 1/1

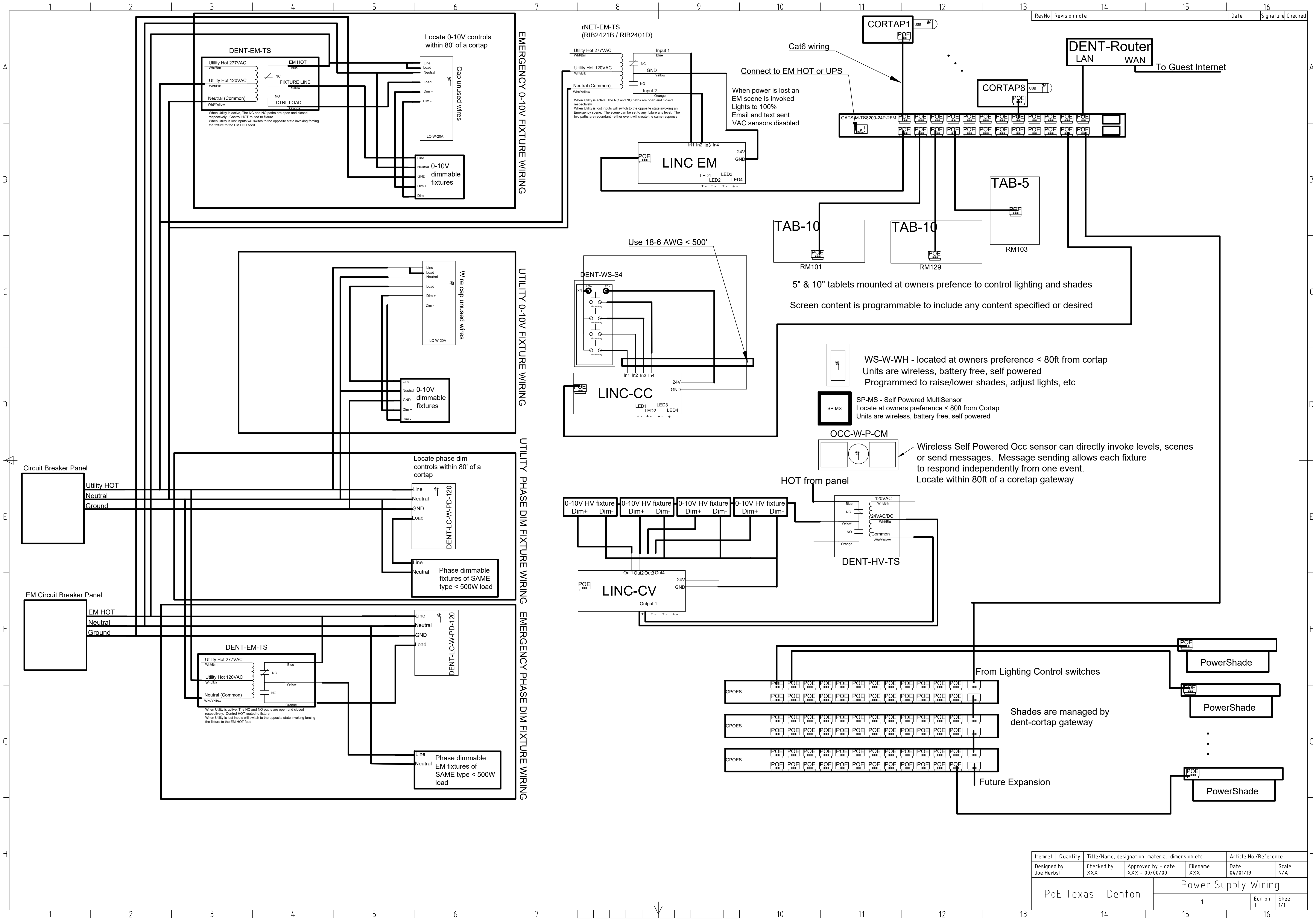




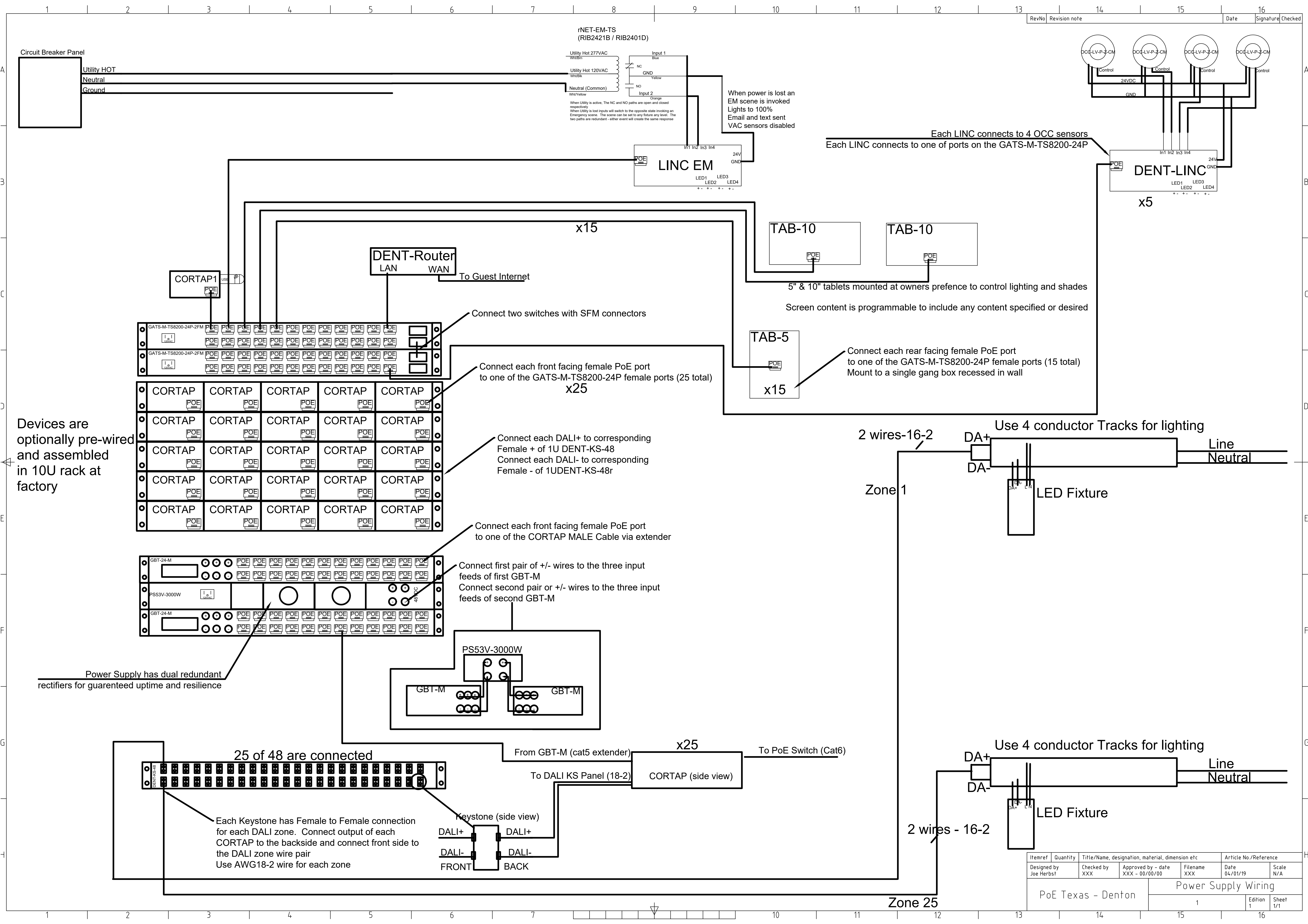




Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton				Power Supply Wiring		
				1	Edition 1	Sheet 1/1



Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton				Power Supply Wiring		
				1	Edition 1	Sheet 1/1



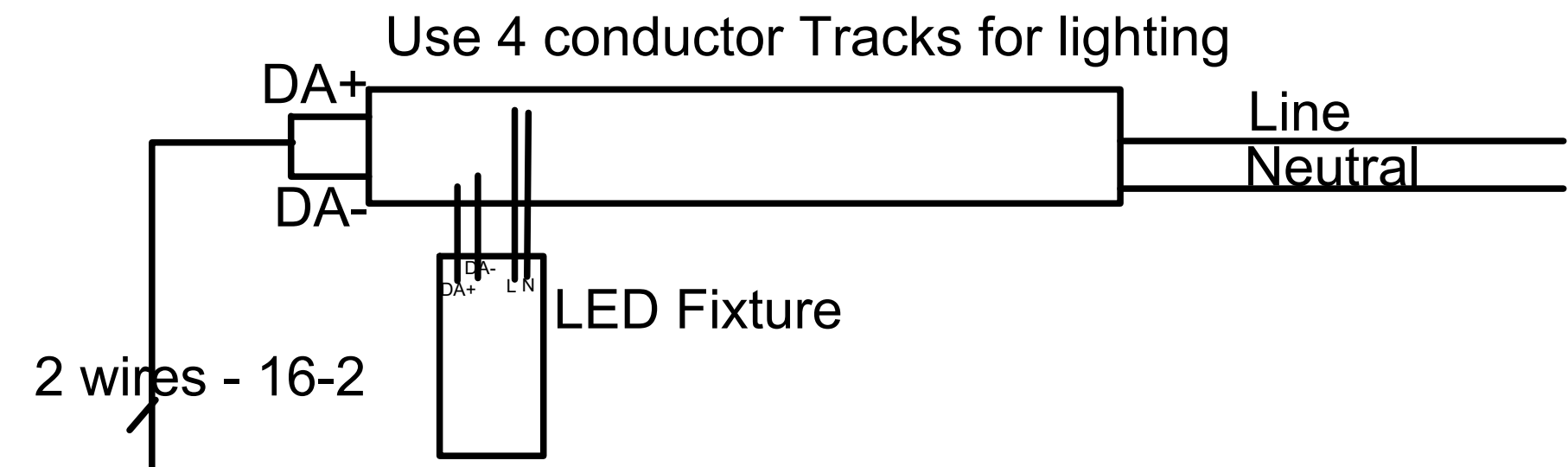
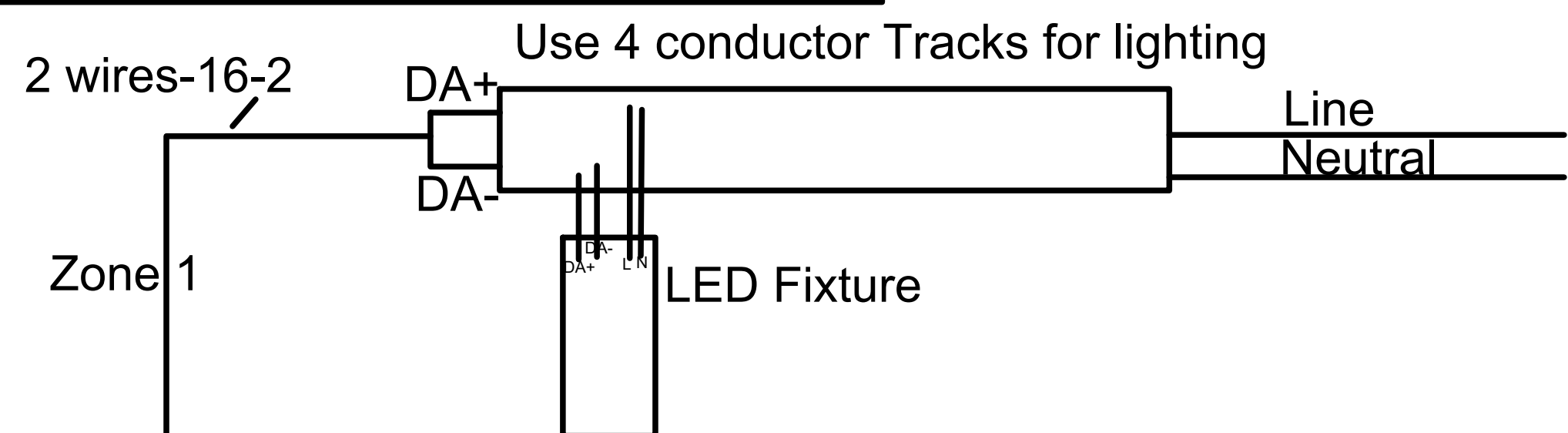
Devices are optionally pre-wired and assembled in 10U rack at factory

Power Supply has dual redundant rectifiers for guarenteed uptime and resilience

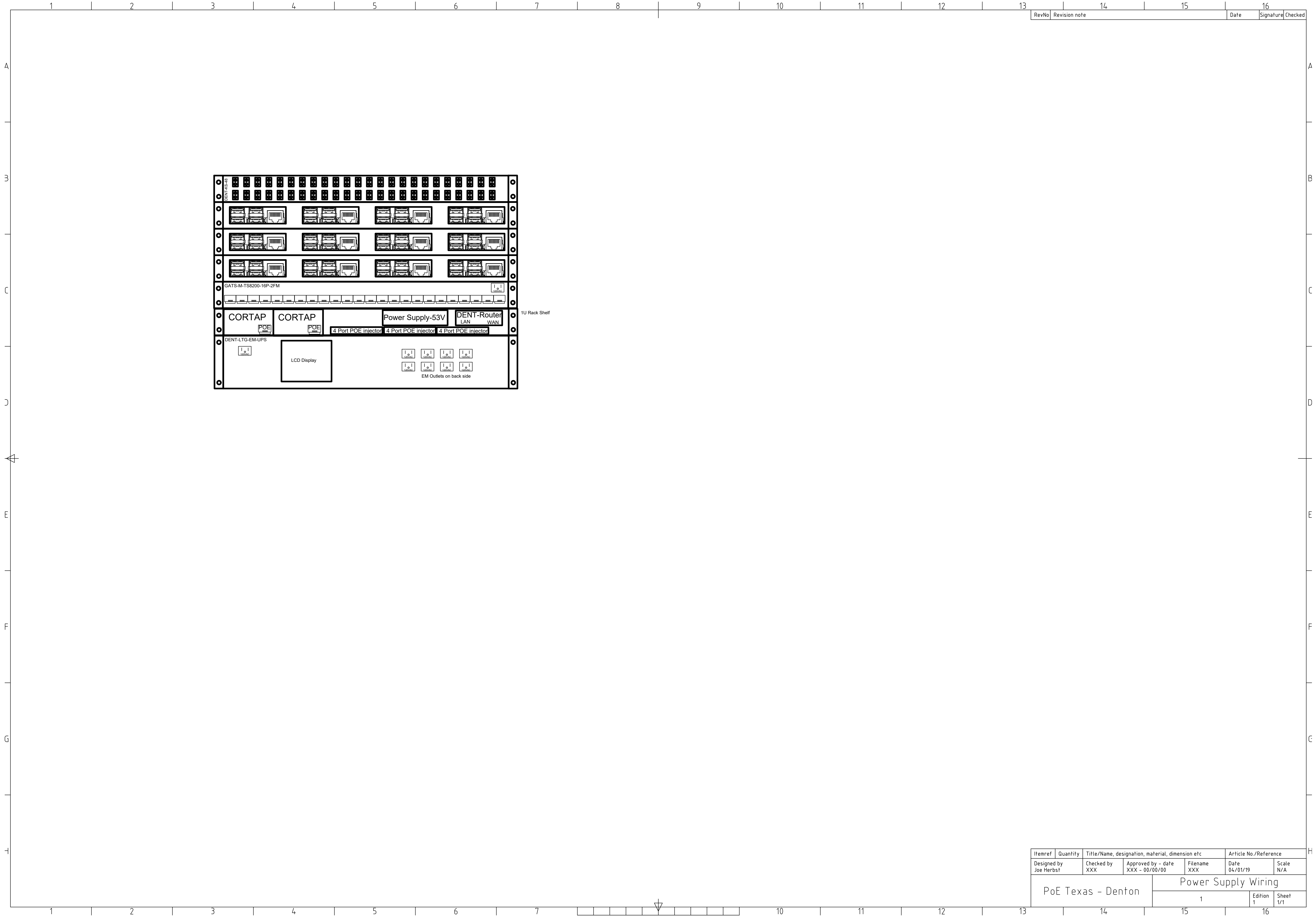
Each Keystone has Female to Female connection for each DALI zone. Connect output of each CORTAP to the backside and connect front side to the DALI zone wire pair Use AWG18-2 wire for each zone

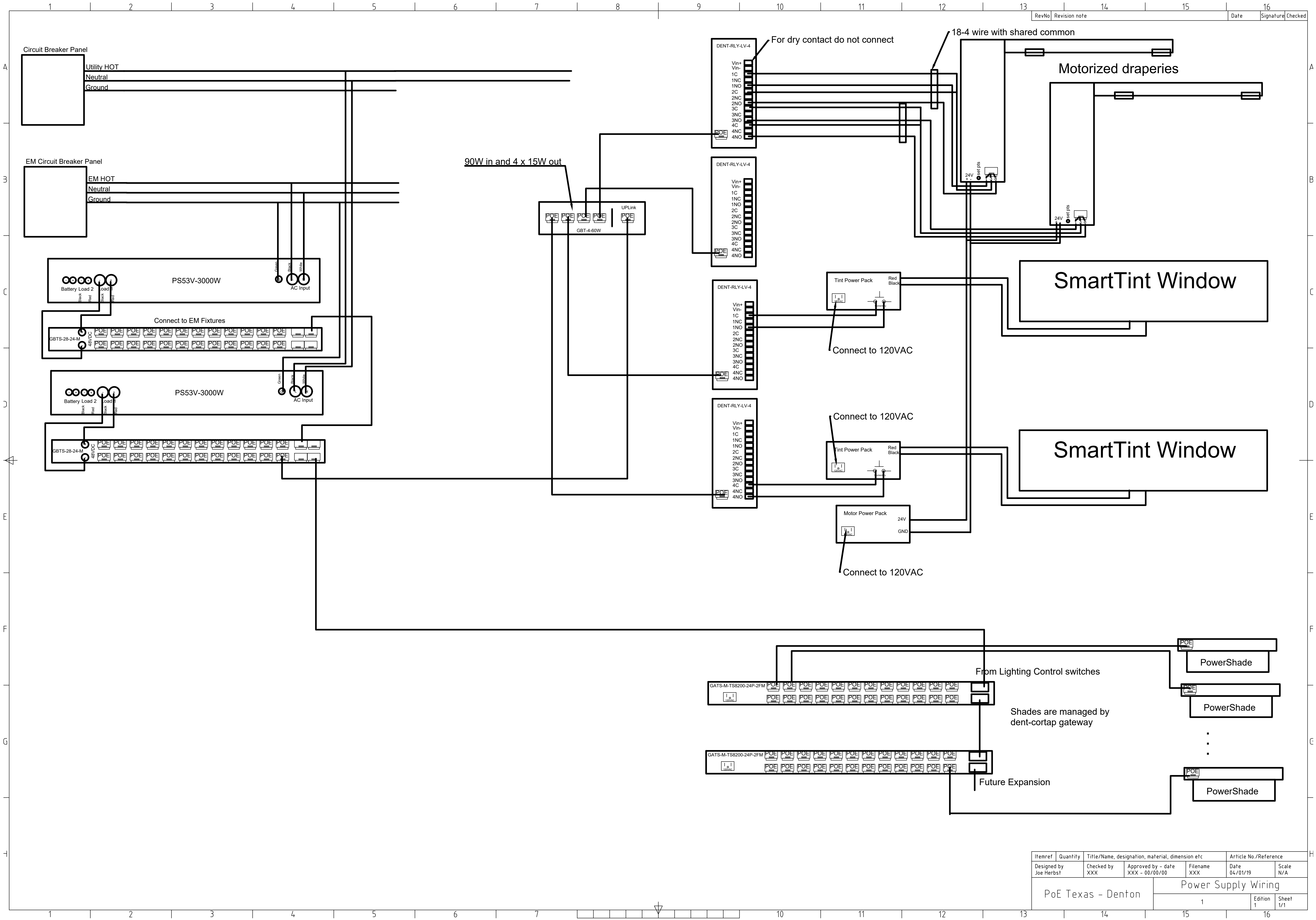
When power is lost an EM scene is invoked Lights to 100% Email and text sent VAC sensors disabled

5" & 10" tablets mounted at owners prefrence to control lighting and shades Screen content is programmable to include any content specified or desired

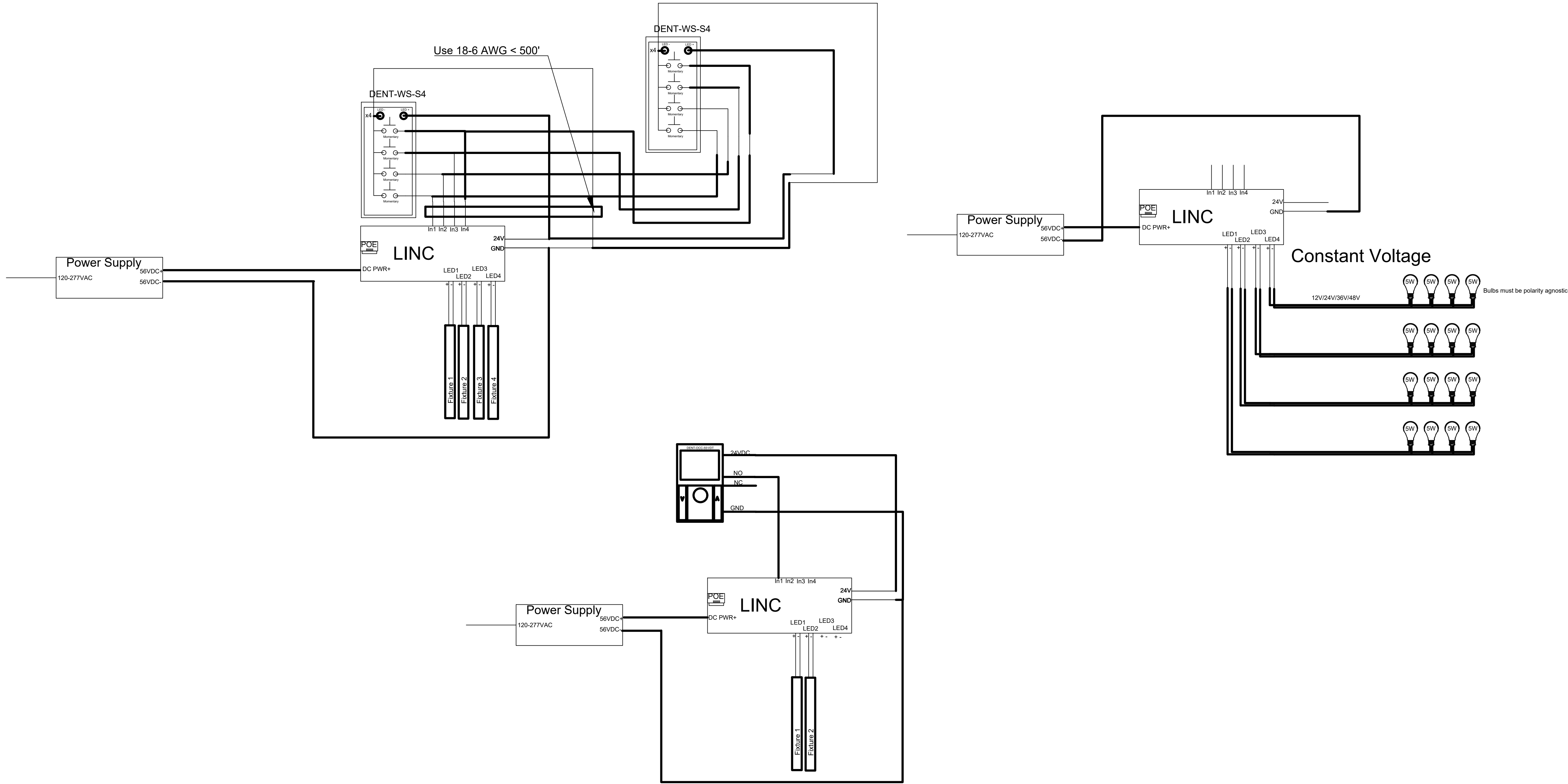


Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton				Power Supply Wiring		
				1	Edition 1	Sheet 1/1

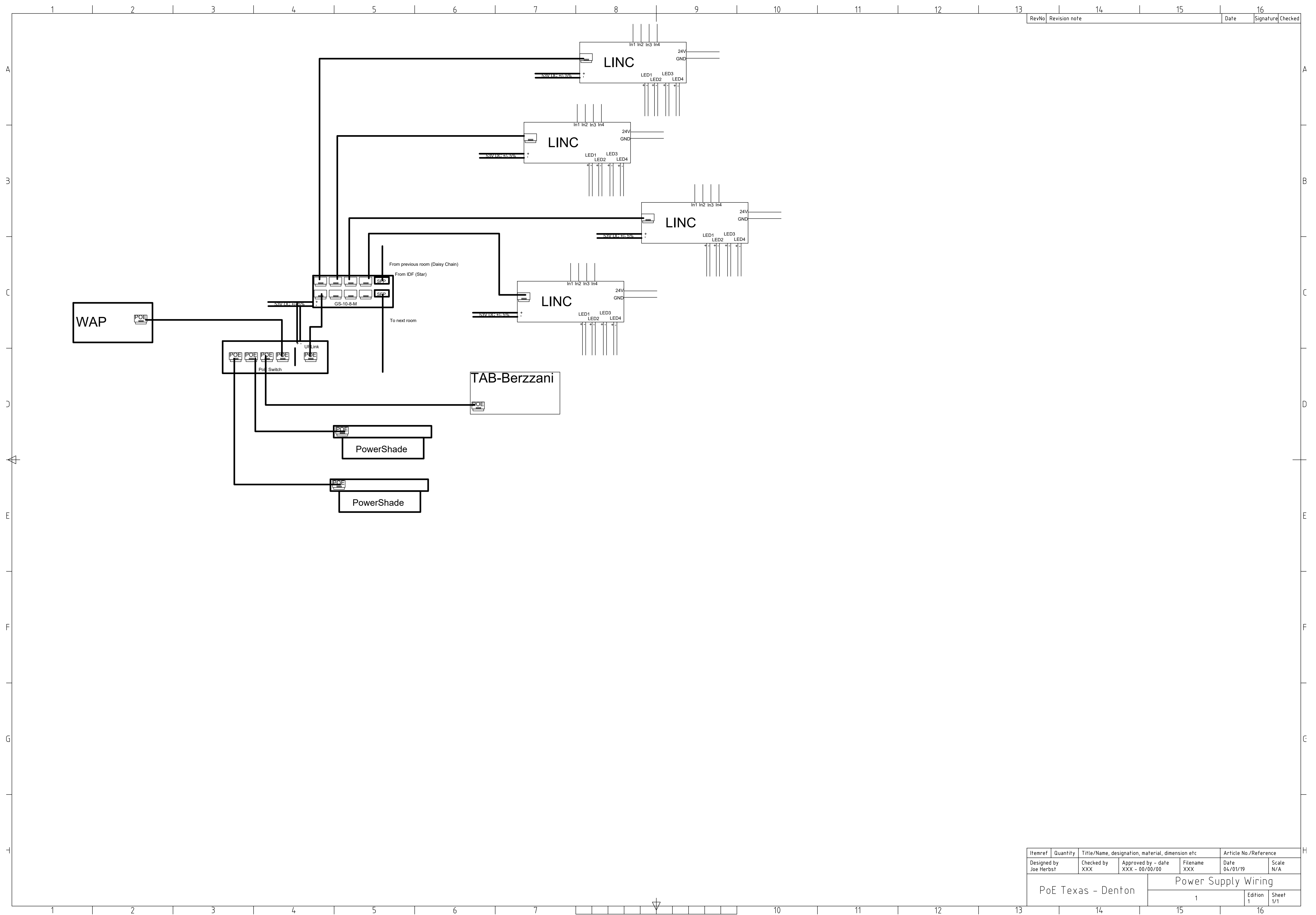


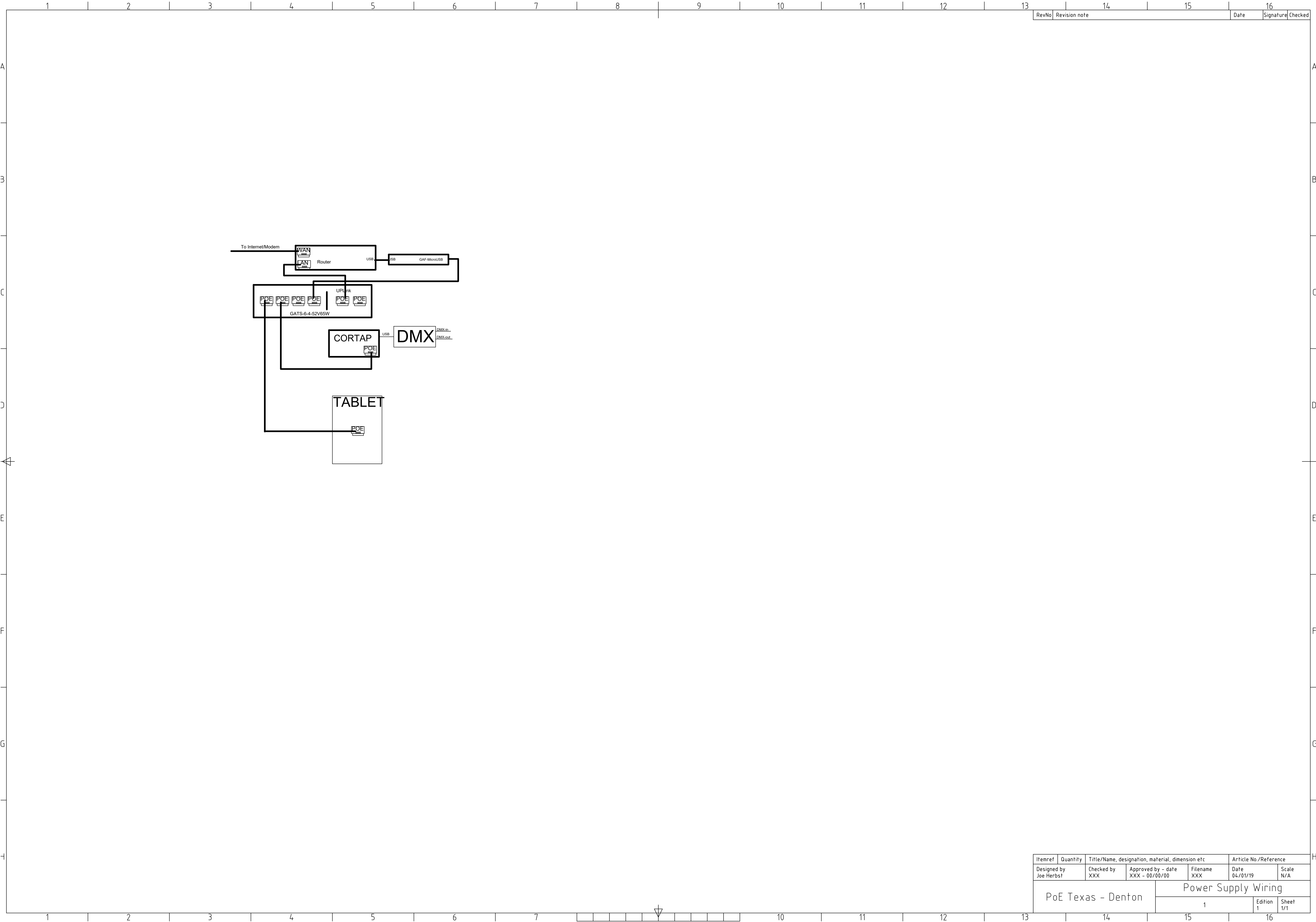


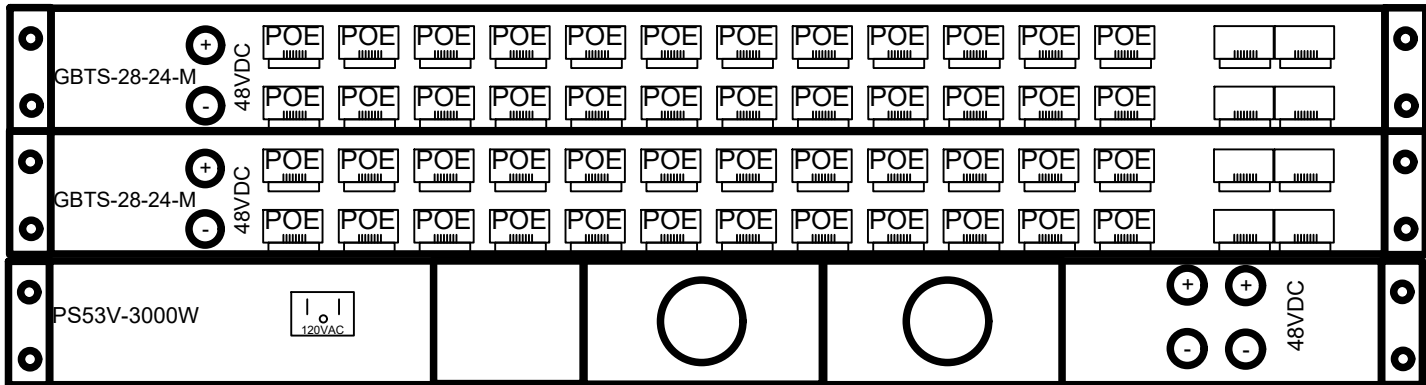
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton				Power Supply Wiring		
				1	Edition 1	Sheet 1/1



Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton		Power Supply Wiring				
		1			Edition 1	Sheet 1/1

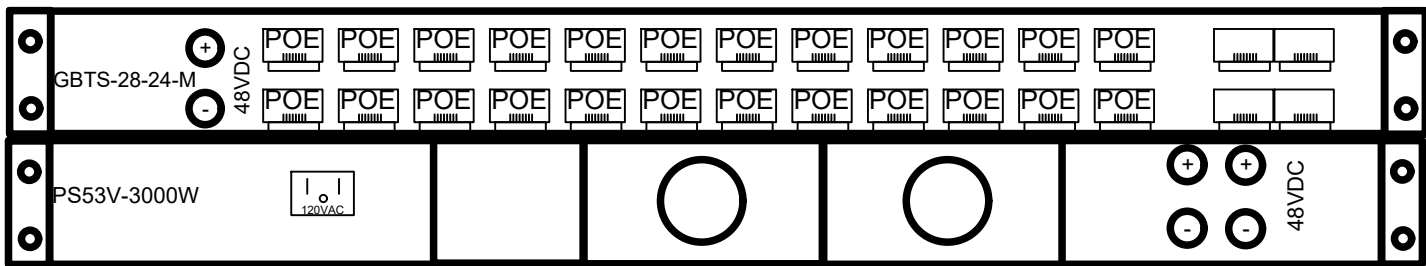






48 fully powered ports

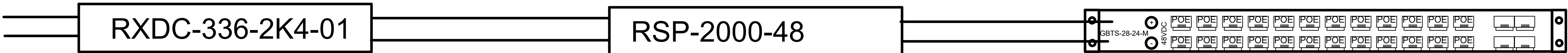
208/240VAC



24 fully powered ports

120/208/240 VAC

Digital Electricity

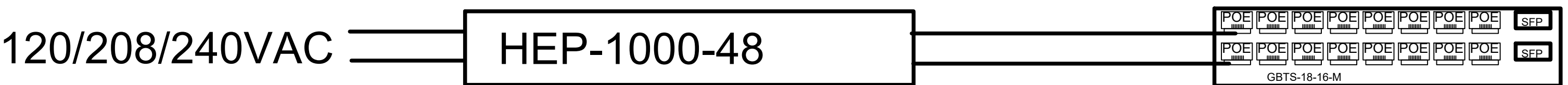


22 fully powered ports

Digital Electricity



16 fully powered ports

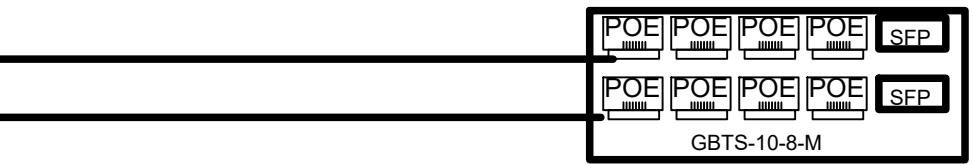


11 fully powered ports; 16 ports @ 60W



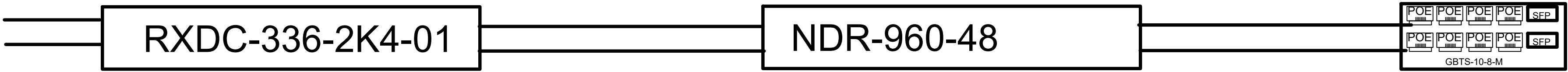
6 fully powered ports; 16 ports @ 30W

208/240VAC NDR-960-48



8 fully powered ports

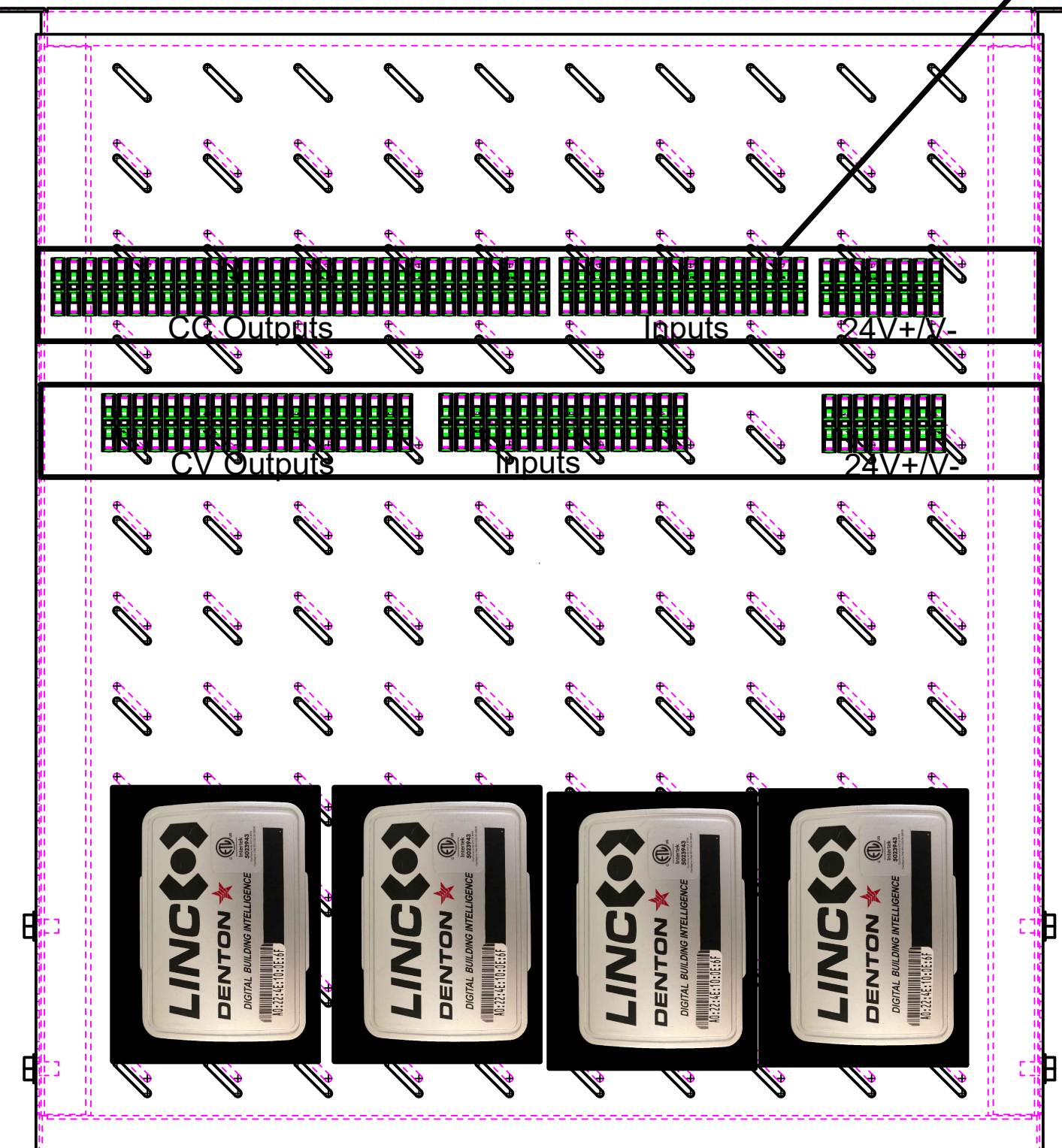
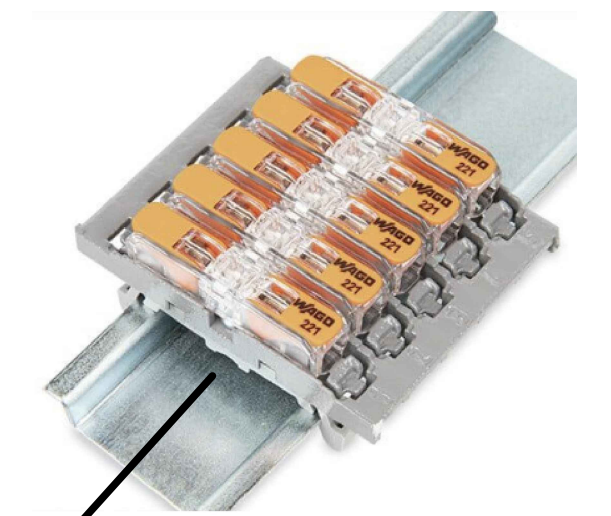
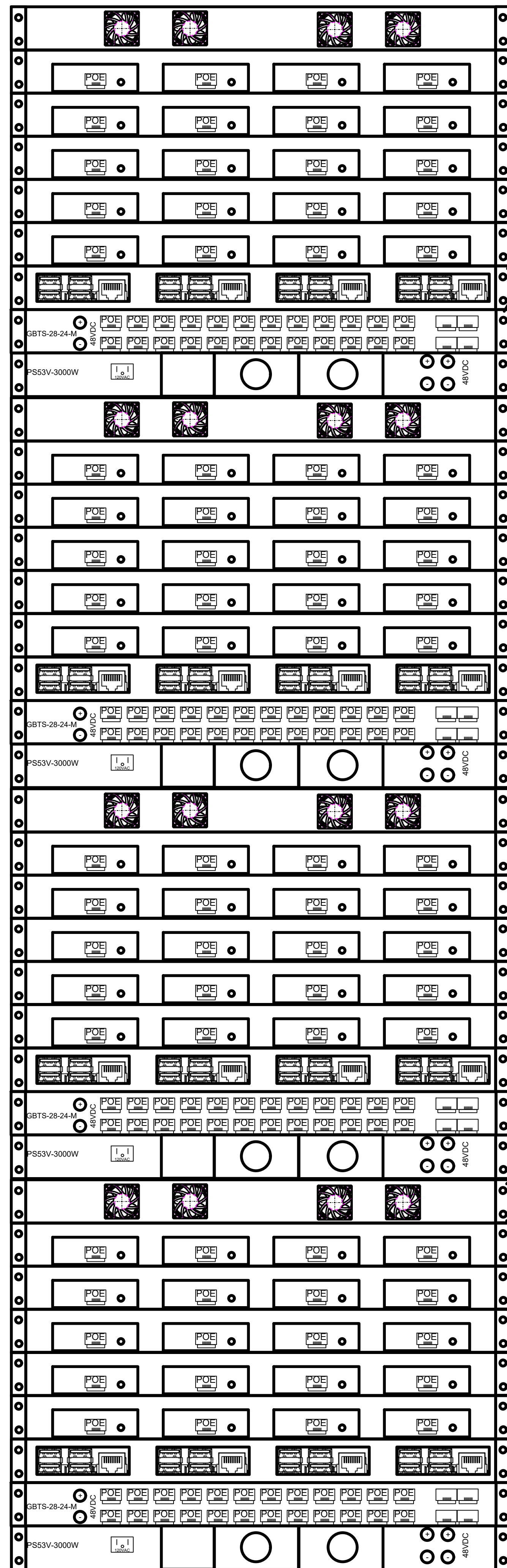
Digital Electricity



8 fully powered ports



Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference		
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton			Power distribution options			
			1	Edition 1	Sheet 1/1	



Only one of these
two are populated

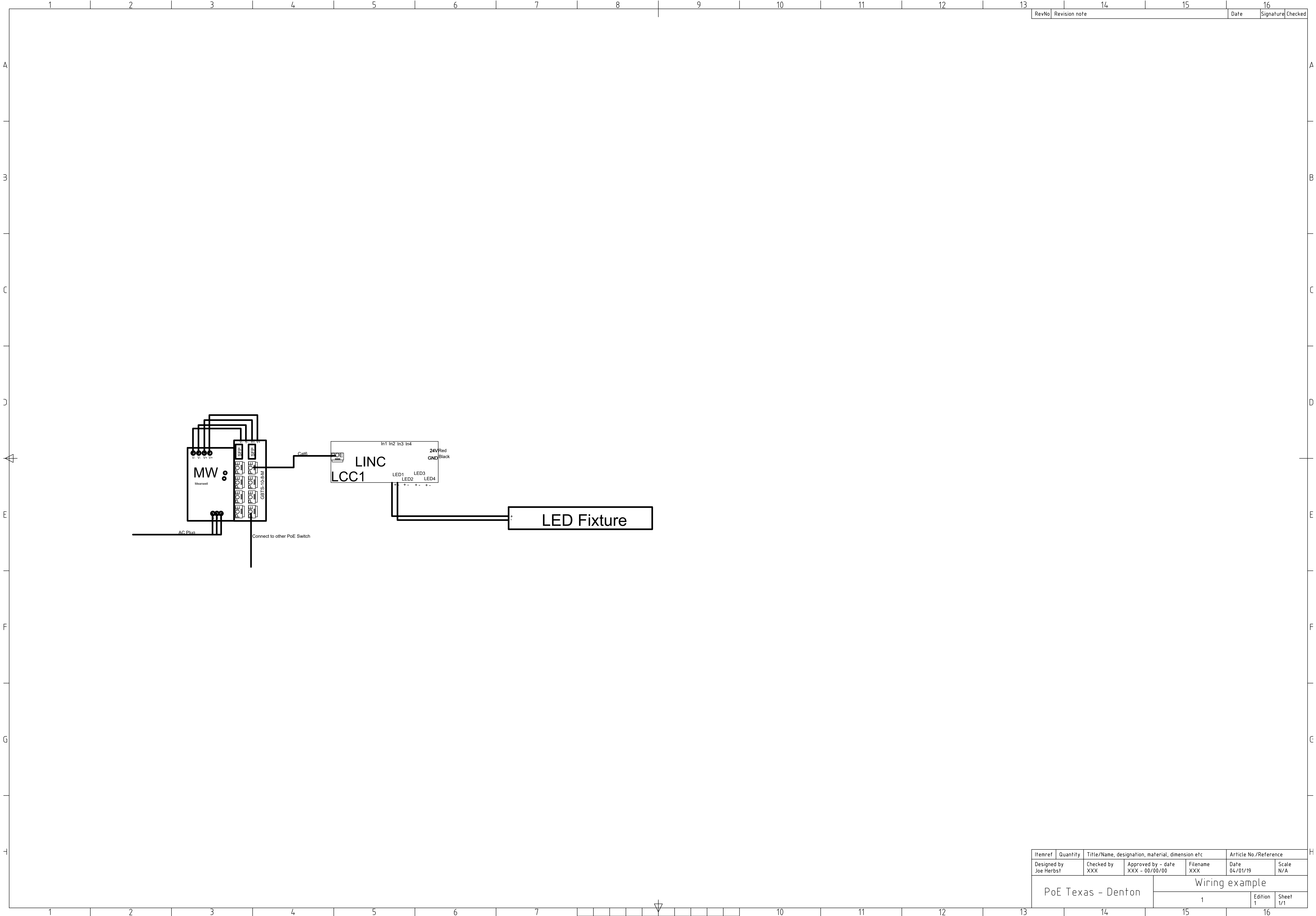


Notes

36U rack with repeat of 4 structures. Each structure hosts 20 LINC's on 1U shelves prewired to a WAGO DIN rail connector assembly. The shelf can be a CC type or a CV type. Each structure has a fan array, a 3kW (x2) power supply (connect to 208VAC to provide redundancy), a 24 port PoE switch to feed power to 20 LINC's and 4 cortap server/gateways. The network switches can be daisy chain connected on the data ports upstream and downstream

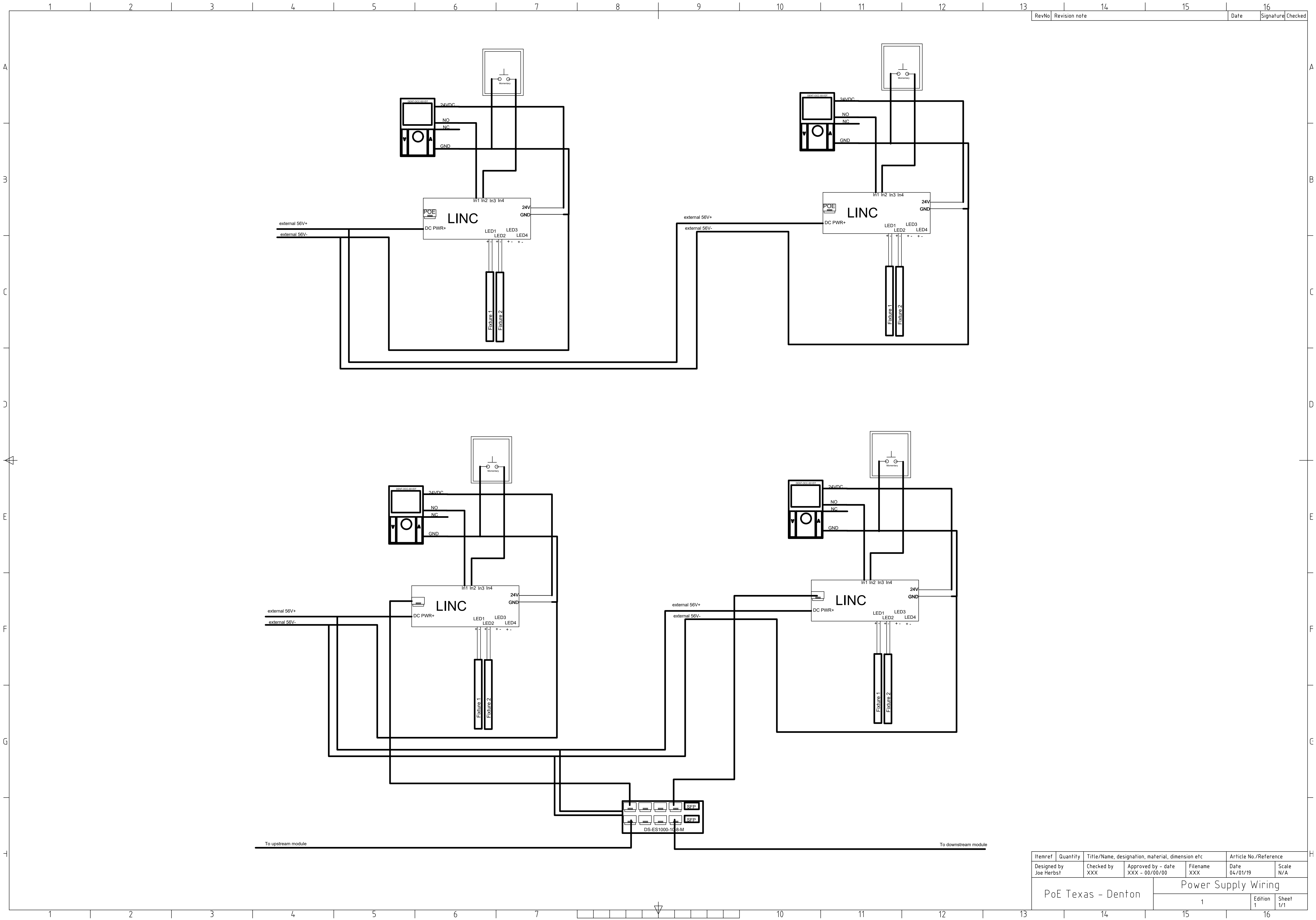
Full rack supports 4x20x40 circuits and 2.1kWx4=8.4kW of load. Racks are drawer style and can be pulled out to be worked on individually. Waterfall of AWG18-8 or 18-5 wires can be behind the rack and brought in at each shelf level for connection. HVAC intake above the rack and additional fans at the top required

Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton			BDU Rack Design proposal - Open Ane			
			1		Edition 1	Sheet 1/1

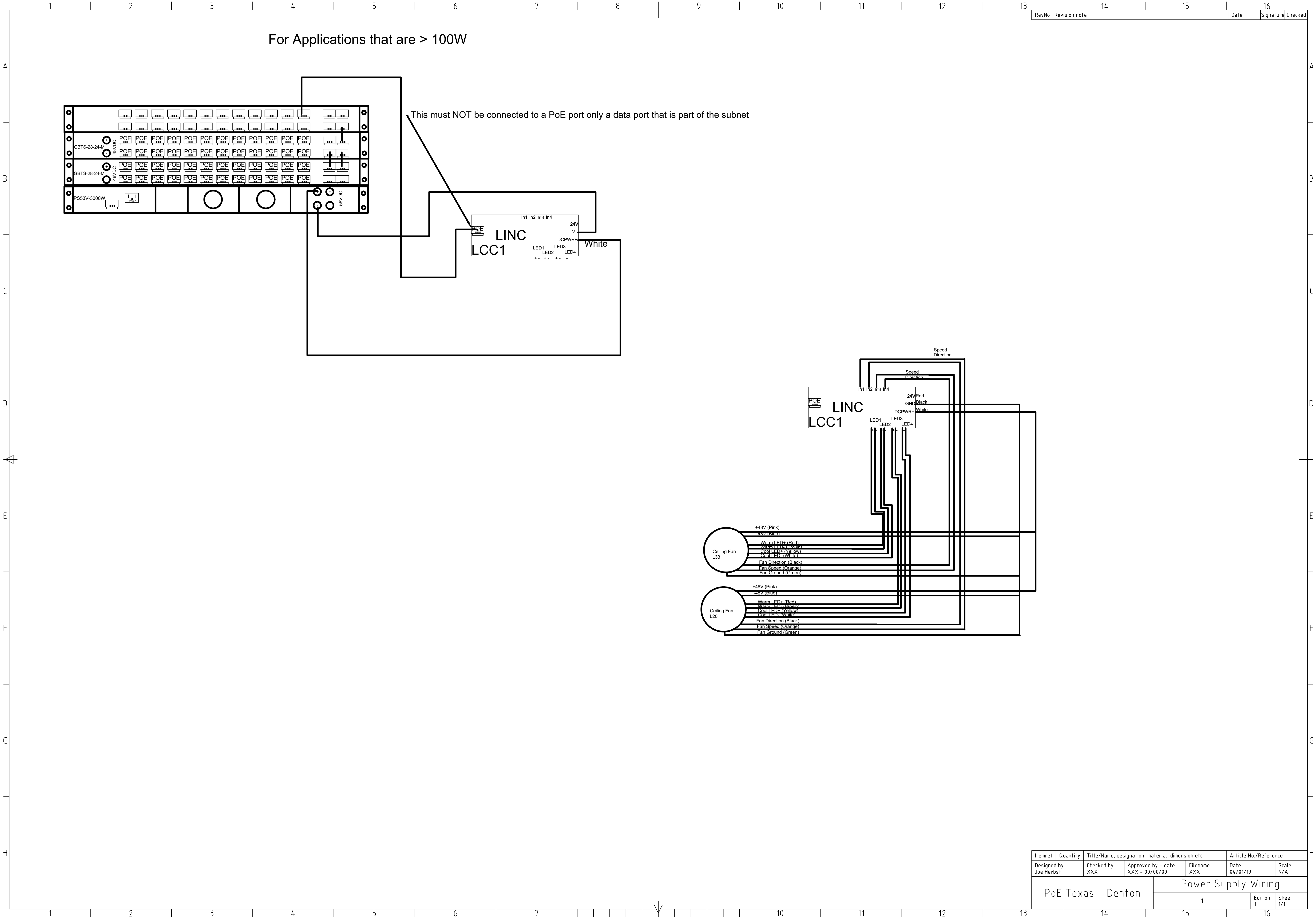


RevNo	Revision note	Date	Signature	Checked
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Itemref		Quantity		Title/Name, designation, material, dimension etc		Article No./Reference	
Designed by Joe Herbst		Checked by XXX	Approved by - date XXX - 00/00/00		Filename XXX	Date 04/01/19	Scale N/A
PoE Texas - Denton				Wiring example			
				1		Edition 1	Sheet 1/1



Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton				Power Supply Wiring		
				1	Edition 1	Sheet 1/1



Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Joe Herbst	Checked by XXX	Approved by - date XXX - 00/00/00	Filename XXX	Date 04/01/19	Scale N/A	
PoE Texas - Denton				Power Supply Wiring		
				1	Edition 1	Sheet 1/1