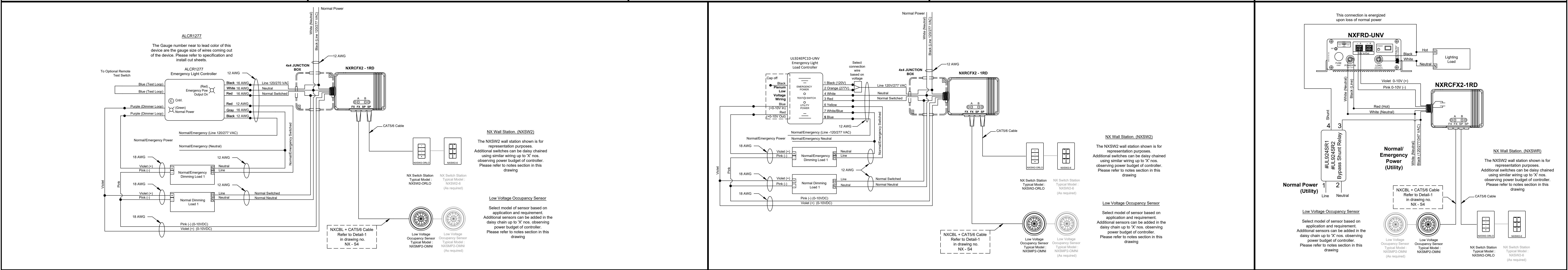
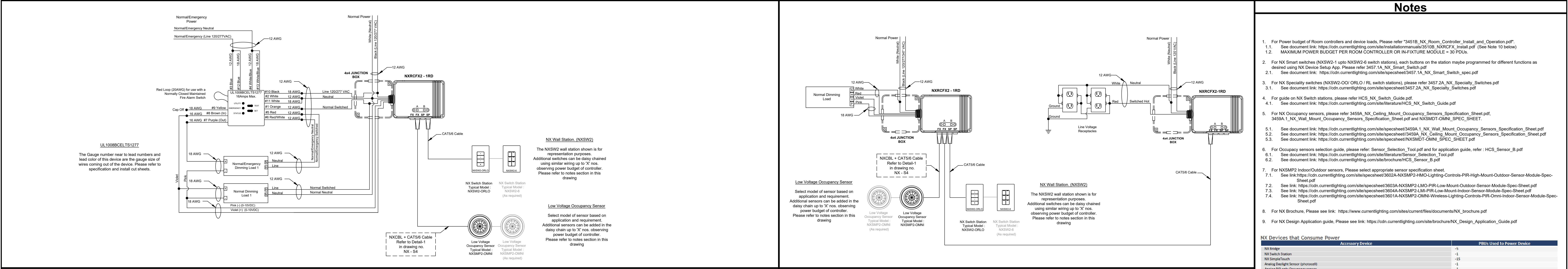


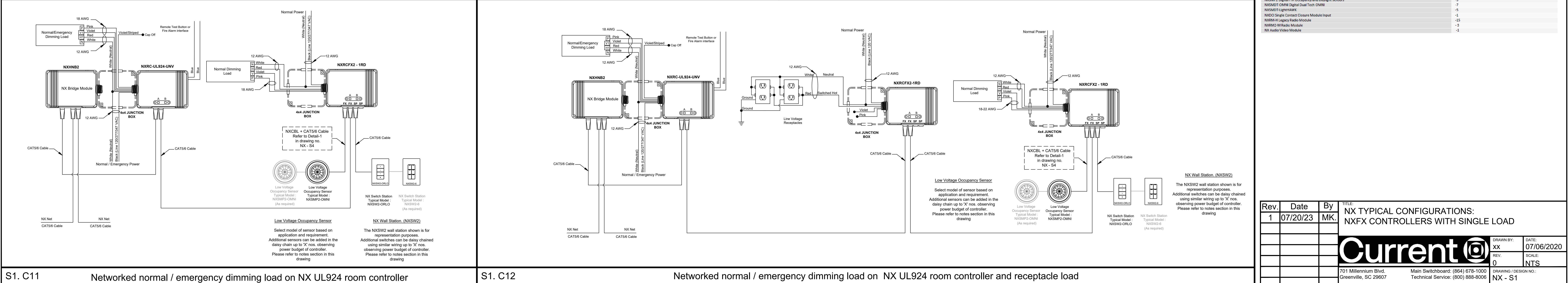
S1. C1 Normal dimming load S1. C2 Wireless Networked normal dimming load S1. C3 Normal dimming load with key switch S1. C4 Normal dimming load with integration to HVAC systems S1. C5 Reverse or forward phase load



S1. C6 Normal / Emergency dimming load with ALCR1277 S1. C7 Normal / Emergency dimming load with UL924EPCID-UNV S1. C5 Reverse phase load/Emergency override



S1. C9 Normal / Emergency dimming load with UL1008BELTS1277 S1. C10 Normal dimming load and receptacle load



S1. C11 Networked normal / emergency dimming load on NX UL924 room controller S1. C12 Networked normal / emergency dimming load on NX UL924 room controller and receptacle load

Notes

- 1. For Power budget of Room controllers and device loads, Please refer "3451B_NX_Room_Controller_Install_and_Operation.pdf".
 - 1.1. See document link: https://cdn.currentlighting.com/sites/default/files/3451B_NX_Room_Controller_Install_and_Operation.pdf
 - 1.2. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.
- 2. For NX Smart switches (NXSW2-1 upto NXSW2-6 switch stations), each buttons on the station maybe programmed for different functions as desired using NX Device Setup App. Please refer 3457_1A_NX_Smart_Switch_spec.pdf
 - 2.1. See document link: https://cdn.currentlighting.com/sites/default/files/3457_1A_NX_Smart_Switch_spec.pdf
- 3. For NX Specialty switches (NXSW2-OO ORLO / RL switch stations), please refer 3457_2A_NX_Specialty_Switches.pdf
 - 3.1. See document link: https://cdn.currentlighting.com/sites/default/files/3457_2A_NX_Specialty_Switches.pdf
- 4. For guide on NX Switch stations, please refer HCS_NX_Switch_Guide.pdf
 - 4.1. See document link: https://cdn.currentlighting.com/sites/default/files/HCS_NX_Switch_Guide.pdf
- 5. For NX Occupancy sensors, please refer 3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
 - 5.1. See document link: https://cdn.currentlighting.com/sites/default/files/3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
 - 5.2. See document link: https://cdn.currentlighting.com/sites/default/files/3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
 - 5.3. See document link: https://cdn.currentlighting.com/sites/default/files/3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
- 6. For Occupancy sensors selection guide, please refer: Sensor_Selection_Tool.pdf and for application guide, refer: HCS_Sensor_B.pdf
 - 6.1. See document link: https://cdn.currentlighting.com/sites/default/files/Sensor_Selection_Tool.pdf
 - 6.2. See document link: https://cdn.currentlighting.com/sites/default/files/HCS_Sensor_B.pdf
- 7. For NXSW2 Indoor/Outdoor sensors, Please select appropriate sensor specification sheet.
 - 7.1. See link <https://cdn.currentlighting.com/sites/default/files/3602A-NXSW2-HMO-Lighting-Controls-PRR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf>
 - 7.2. See link: <https://cdn.currentlighting.com/sites/default/files/3603A-NXSW2-LMO-PRR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf>
 - 7.3. See link: <https://cdn.currentlighting.com/sites/default/files/3604A-NXSW2-LMI-PRR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf>
 - 7.4. See link: <https://cdn.currentlighting.com/sites/default/files/3601A-NXSW2-OMNI-Wireless-Lighting-Controls-PRR-OMNI-Indoor-Sensor-Module-Spec-Sheet.pdf>
- 8. For NX Brochure, Please see link: https://www.currentlighting.com/sites/default/files/documents/NX_brochure.pdf
- 9. For NX Design Application guide, Please see link: https://cdn.currentlighting.com/sites/default/files/NX_Design_Application_Guide.pdf

NX Devices that Consume Power

Accessory Device	PBUs Used to Power Device
NX Bridge	-1
NX Switch Station	-1
NX SimpleTouch	-1
Analog Dimmer Switch (photo-cell)	-1
Analog PIR only Occupancy sensor	-1
Analog PIR only Occupancy sensor with RF option	-1
Analog Dual Technology and Ultrasonic Occupancy sensor	-1
Analog Dual Technology and Ultrasonic Occupancy sensor with RF option	-1
NXSW2 Digital PIR Occupancy and Dimmer Sensors	-1
NXSW2 OMNI Digital Dual Tech Dimmer	-1
NXSW2-OO ORLO	-1
NXSW2-1 uplink	-1
NXSW2 Single Contact Module Input	-1
NXSW2 Single Contact Module	-1
NXSW2-MR-Relay Module	-1
NX Audio Video Module	-1

Rev.	Date	By	TITLE: NX TYPICAL CONFIGURATIONS: NXFX CONTROLLERS WITH SINGLE LOAD	
1	07/20/23	MM		
	</			

S2. C1	Normal dimming load	S2. C2	Wireless Networked normal dimming load	S2. C3	Networked normal dimming load with CCT control	S2. C4	Normal dimming load with key switch	S2. C5	Normal dimming load with integration to HVAC systems
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S2. C6	Dual reverse or forward phase load	S2. C7	Normal / Emergency dimming load with ALCR1277	S2. C8	Normal / Emergency dimming load with UL924EPC1D-UNV
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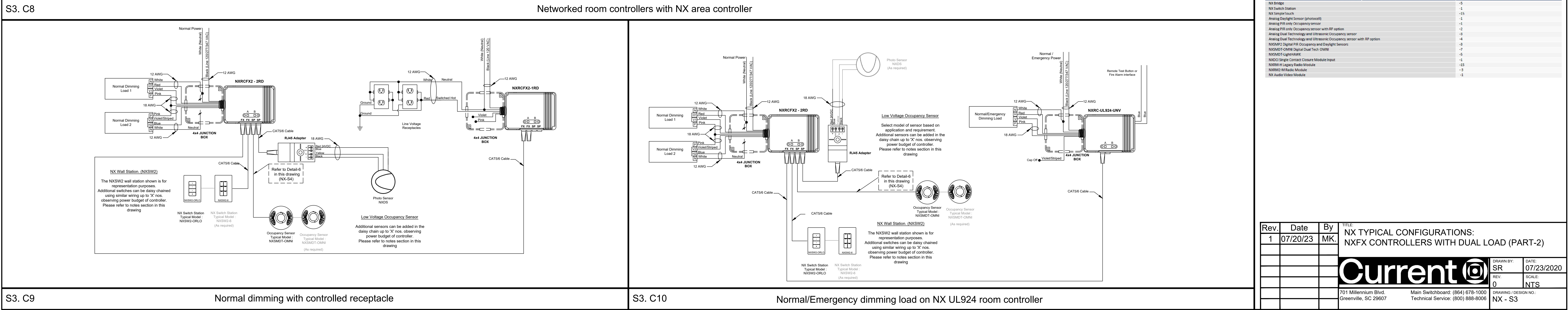
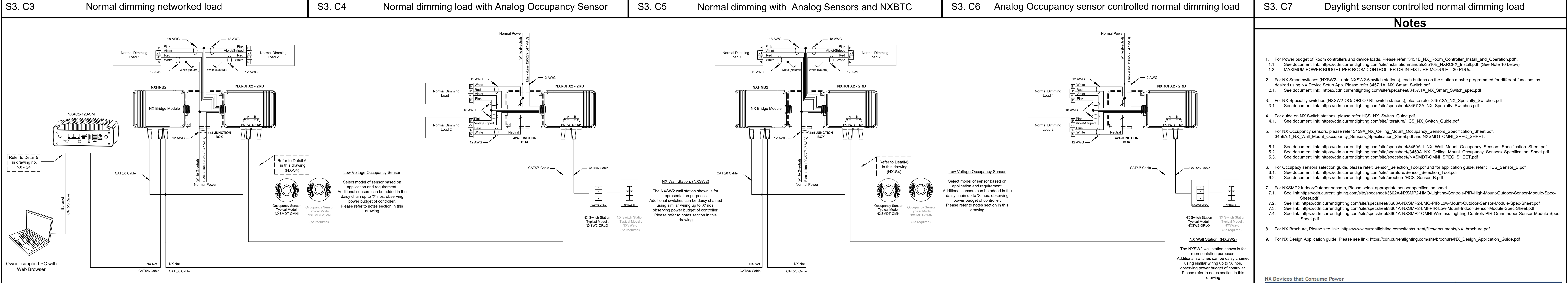
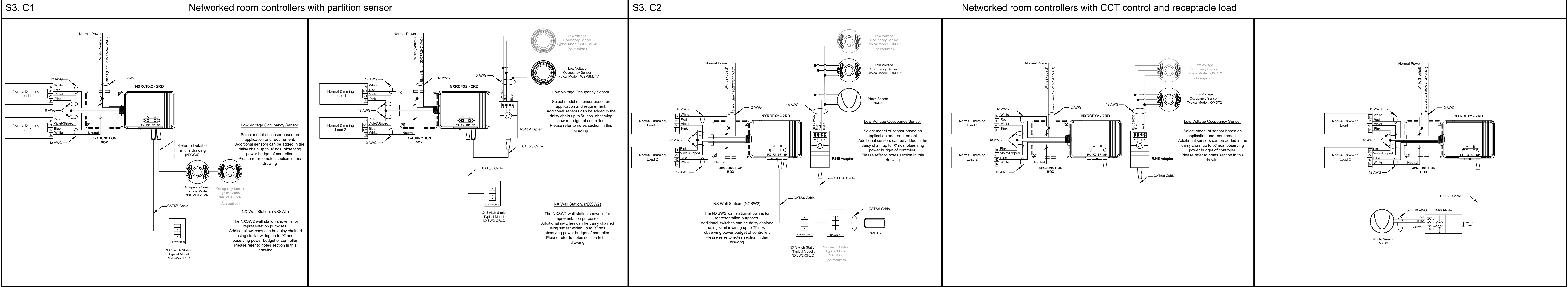
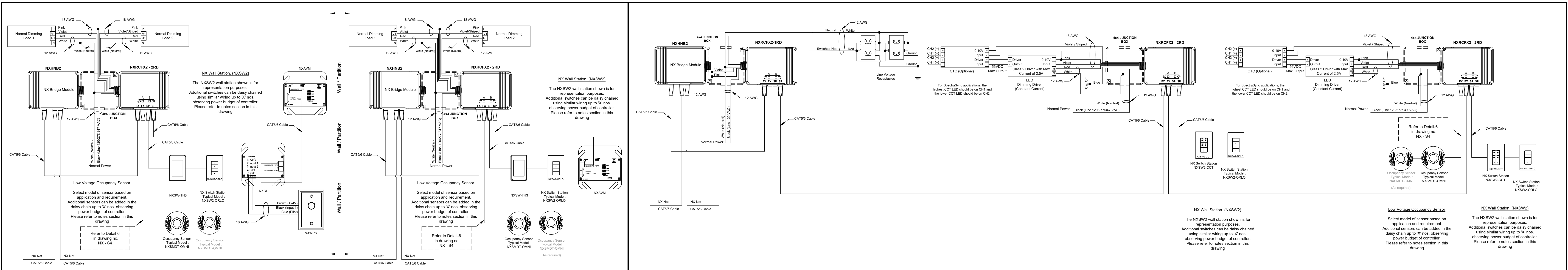
S2. C9	Normal / Emergency dimming load with UL1008BCELTS1277	S2. C10	Normal dimming and receptacle load
			NA Sample loads -1 Averaging Overlight Sensor (photocell) -1 Averaging PIR only (Occupancy sensor) -1 Averaging PIR only (Occupancy sensor with DP option)

[illegible]

- # Notes
1. For Power budget of Room controllers and device loads, please refer [3451B_NX_Room_Controller_instal_and_operation.pdf](#).
 2. See document link: https://docs.curentlighting.com/files/installation/3451B_NX_Room_Controller_instal.pdf. (See Note 10 below)
 - 3.1. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FUTURE MODULE = 30 WPUA.
 4. For NX Smart switches (NXSW2-1) upto NXSW2-6 switches each, both buttons on the station maybe programmed for different functions as desired using NX Device Setup App. Please refer 3457 1A, NX_Smart_Switches.pdf.
 - 5.1. See document link: https://docs.curentlighting.com/files/3457_1A_NX_Smart_Switches.pdf.
 6. For NX Specialty switches (NXSW2-00 ORLO / RLN switch stations), please refer 3457 2A, NX_Specialty_Switches.pdf.
 - 7.1. See document link: https://docs.curentlighting.com/files/3457_2A_NX_Specialty_Switches.pdf.
 8. For guide on NX Switch stations, please refer HCSA_NX_Switch_Guide.pdf.
 9. See document link: https://docs.curentlighting.com/files/HCSA_NX_Switch_Guide.pdf.
 10. For NX Occupancy sensors, please refer 3459A_NX_Calling_Mount_Occupancy_Sensors_Specification_Sheet.pdf, 3459A_1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf and NXGSM2-OMNI_SPEC_SHEET.
 11. See document link: https://docs.curentlighting.com/files/specialsheet/3459A_1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf.
 12. See document link: https://docs.curentlighting.com/files/specialsheet/3459A_NX_Calling_Mount_Occupancy_Sensors_Specification_Sheet.pdf.
 13. See document link: https://docs.curentlighting.com/files/specialsheet/NXGSM2-OMNI_SPEC_SHEET.pdf.
 14. For Occupancy sensors selection guide, please refer: Sensor_Selection_Tool.pdf and for application guide, refer: HCS_Sensor_B.pdf.
 15. See document link: https://docs.curentlighting.com/files/Literature/Sensor_Selection_Tool.pdf.
 16. See document link: https://docs.curentlighting.com/files/brochure/HCS_Sensor_B.pdf.
 17. For NXGSM2 Indo/Outdoor sensors, please select appropriate sensor specification sheet.
 - 18.1. See link https://docs.curentlighting.com/files/specialsheet/3602A_NXGSM2-LMO-Indoor-Outdoor-Sensor-Module-Spec-Sheet.pdf.
 - 18.2. See link https://docs.curentlighting.com/files/specialsheet/3602A_NXGSM2-LMO-Indoor-Outdoor-Sensor-Module-Spec-Sheet.pdf.
 - 19.1. See link https://docs.curentlighting.com/files/specialsheet/3604A_NXGSM2-LM-IR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf.
 - 19.2. See link https://docs.curentlighting.com/files/specialsheet/3604A_NXGSM2-LM-IR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf.
 20. See link https://docs.curentlighting.com/files/specialsheet/3601A_NXGSM2-OMNI-Wireless-Lighting-Controls-PBR-OMNI-Indoor-Sensor-Module-Spec-Sheet.pdf.
 21. For NX Brochure, please see link: https://www.curentlighting.com/files/current/files/documents/NX_brochure.pdf.
 22. For NX Design Application guide, please see link: https://docs.curentlighting.com/files/documents/NX_Design_Application_Guide.pdf.

NX Devices that Consume Power		
	Accessory Device	PBIs Used to Power Device
NX Bridge	-	3
NX Switch Station	-	3
NX Sensor Health	-	15
Analog Daylight Sensor (photocell)	-	1
Analog IR only Occupancy sensor	-	1
Analog PIR only Occupancy sensor with RF option	-	1
Analog Dual Technology and Ultrasonic Occupancy sensor	-	1
Analog Dual Technology and Ultrasonic Occupancy sensor with RF option	-	1
INDMATE Digital PI Occupancy and Daylight Sensors	-	3
INDMATE-CHS6 Digital Heat Flux (SHR)	-	1
INDMATE-Cupboard	-	1
INDMATE-Single Current Console Module Input	-	1
INDMATE Legacy Radio Module	-	15
INDMATE-M-Radio Module	-	3
NX Audio Video Module	-	1

Rev.	Date	By	TITLE
1	07/20/23	MK	NX TYPICAL CONFIGURATIONS: NXFX CONTROLLERS WITH DUAL LOAD (PART-1)
			
			DRAWN BY: <u>07/22/2020</u> SR REV. <u>0</u> SCALE <u>NTS</u>
			701 Millennium Blvd. Main Switchboard: (854) 679-1000 Greenville, SC 29607 Technical Service: (800) 888-8006
			DRAWING / DESIGN NO.: NX - S2



Notes

- For Power budget of Room controllers and device loads, Please refer "34518 NX_Room_Controller_Install_and_Operation.pdf".
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/34518_NX_Room_Controller_Install_and_Operation.pdf
 - MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDS.
- For NX Smart switches (NXSW2-1 up to NXSW2-6 switch stations), each buttons on the station maybe programmed for different functions as desired using NX Device Setup App. Please refer 34571A_NX_Smart_Switch.pdf
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/34571A_NX_Smart_Switch.pdf
- For NX Specialty switches (NXSW2-CO ORLO / RL switch stations), please refer 34572A_NX_Specialty_Switches.pdf
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/34572A_NX_Specialty_Switches.pdf
- For guide on NX Switch stations, please refer HCS_NX_Switch_Guide.pdf
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/HCS_NX_Switch_Guide.pdf
- For NX Occupancy sensors, please refer 3458A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf, 3458A-1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf and NXSW2-OMNI_SPEC_SHEET.pdf
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/3458A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/3458A-1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/NXSW2-OMNI_SPEC_SHEET.pdf
- For Occupancy sensors selection guide, please refer: Sensor_Selection_Tool.pdf and for application guide, refer: HCS_Sensor_B.pdf
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/Sensor_Selection_Tool.pdf
 - See document link: https://cdn.currentlighting.com/sites/default/files/documents/HCS_Sensor_B.pdf
- For NXSW2 Indoor/Outdoor sensors, Please select appropriate sensor specification sheet.
 - See link: <https://cdn.currentlighting.com/sites/default/files/documents/3459A-NXSW2-IMO-PIR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf>
 - See link: <https://cdn.currentlighting.com/sites/default/files/documents/3459A-NXSW2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf>
 - See link: <https://cdn.currentlighting.com/sites/default/files/documents/3459A-NXSW2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf>
 - See link: <https://cdn.currentlighting.com/sites/default/files/documents/3459A-NXSW2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf>
- For NX Brochure, Please see link: https://www.currentlighting.com/sites/default/files/documents/NX_brochure.pdf
- For NX Design Application guide, Please see link: https://cdn.currentlighting.com/sites/default/files/documents/NX_Design_Application_Guide.pdf

NX Devices that Consume Power		
Accessory Device	PDSs Used to Power Device	
NX Strips	-	5
NX Switch Station	-	1
NX Intercom	-	1
Analog Daylight Sensor (photocell)	-	1
Analog PIR only Occupancy sensor	-	1
Analog PIR only Occupancy sensor with RF option	-	2
Analog Dual Technology and Ultrasonic Occupancy sensor	-	4
Analog Dual Technology and Ultrasonic Occupancy sensor with RF option	-	4
NXSW2 Digital PIR Occupancy and Daylight Sensors	-	7
NXSW2-OMNI Digital Dual Tech OMNI	-	7
NXSW2-Lightwave	-	4
NXSW2 Single Channel Constant Current Module Input	-	4
NXSW2-Hi-Low Radio Module	-	13
NXSW2-Hi-Low Radio Module	-	13
NX Audio Video Module	-	1

Rev.	Date	By	Rev.	Date	By
1	07/20/23	MK.			

Current

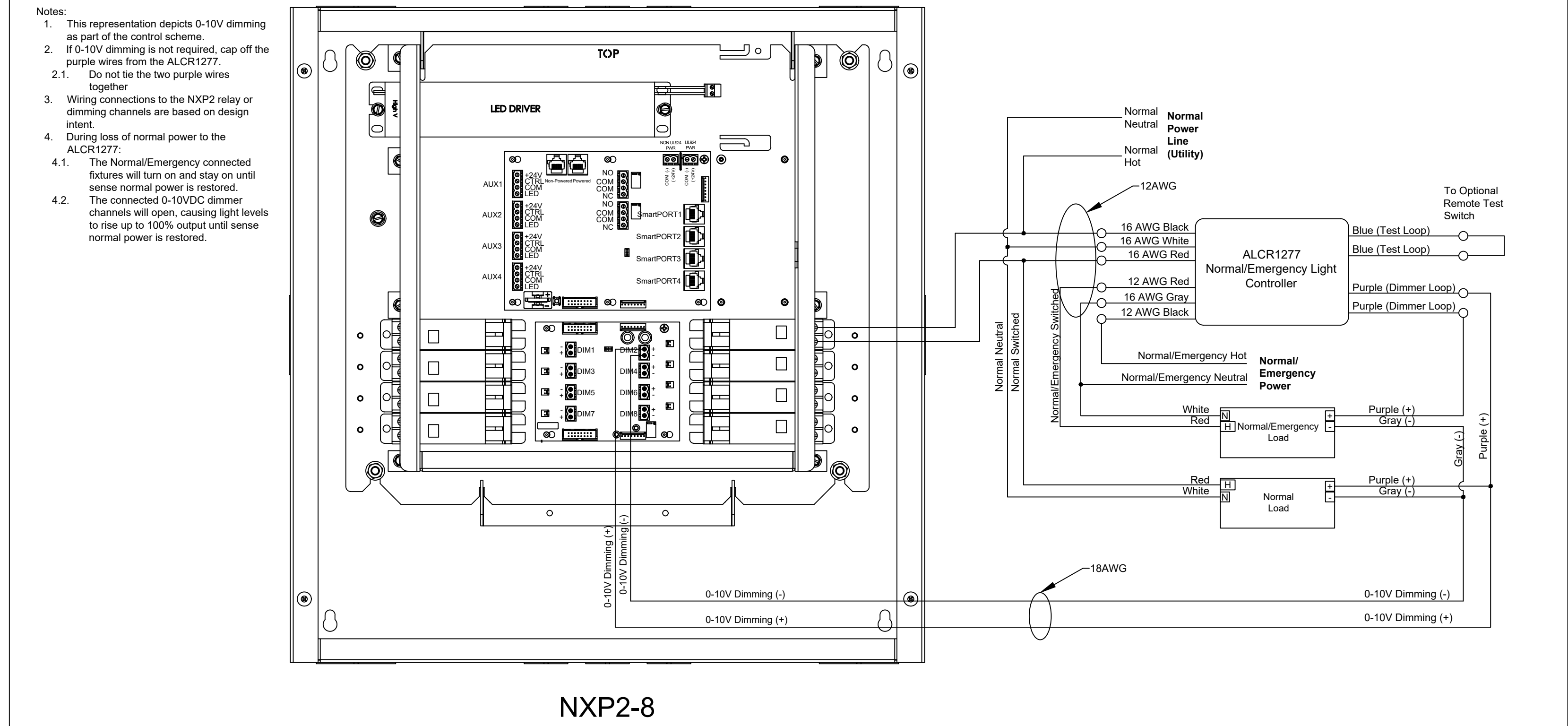
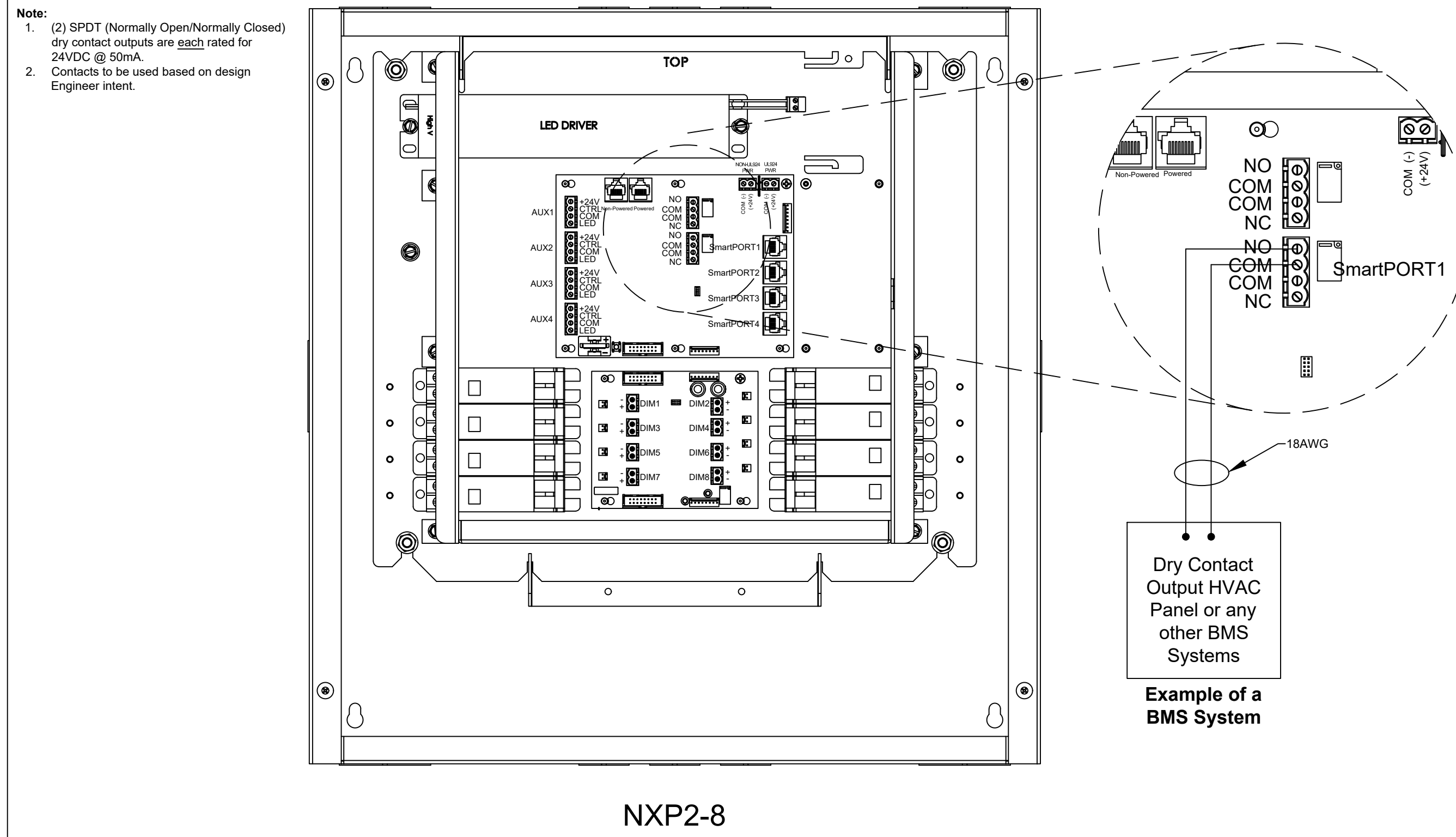
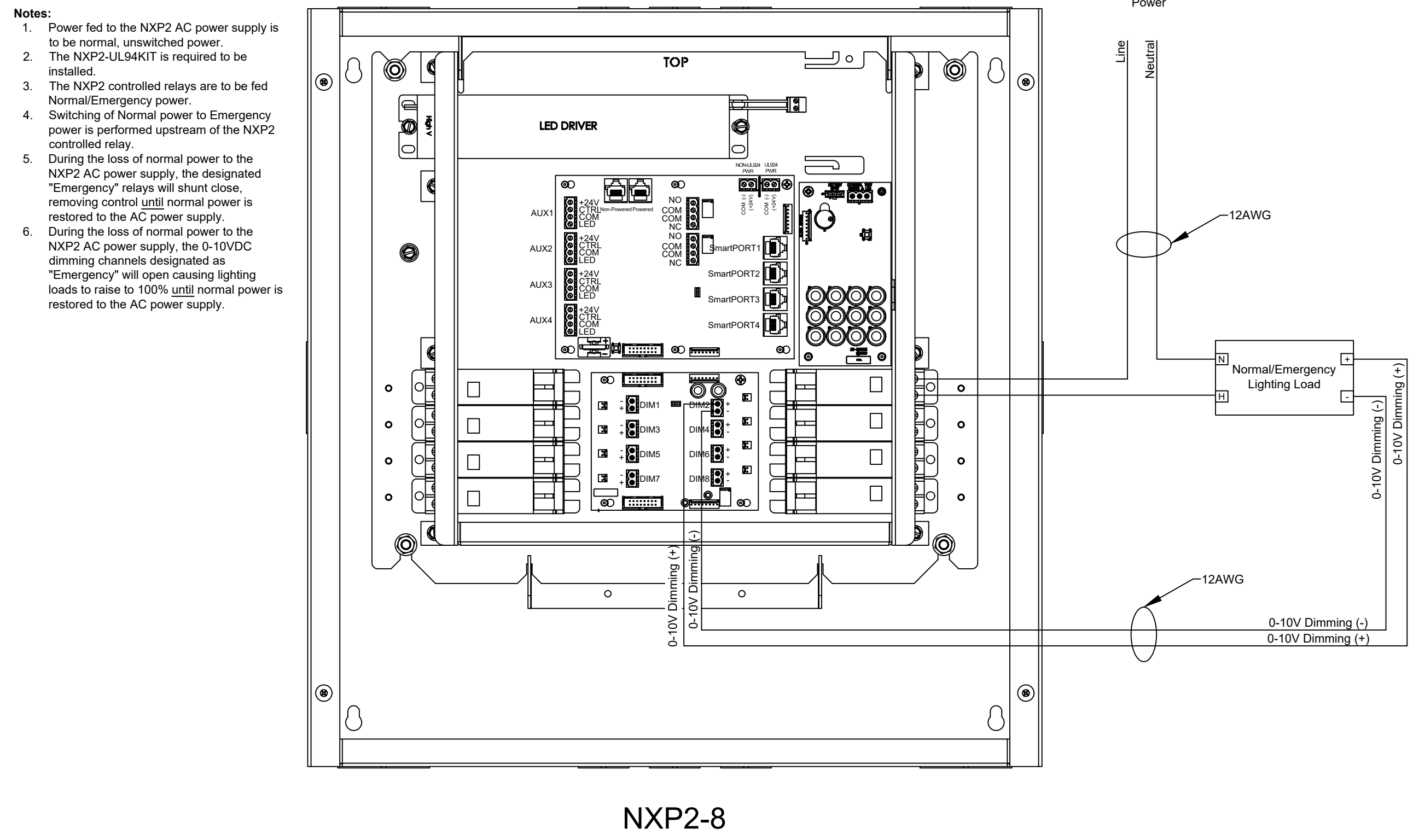
701 Millennium Blvd. Greenville, SC 29607

DATE: 07/23/2020
SCALE: NTS
DRAWING / DESIGN NO: NX - S3

S4. C1	NX fixture module (Offset) with dual drivers-Wireless	S4. C2	NX fixture module (Inline) with dual drivers-Wireless	S4. C3 NX fixture module (Low Voltage) with dual drivers-Wireless	S4. C4 NX on-fixture module (7 Pin)	S4. C5 NXDCIO with NXHDI
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S4. C6	NXSP with NXHDI	S4. C7	Hybrid Networked controller connected to NX area controller	S4. C8	Network of NX devices between two separate building units via fiber cable and media converter
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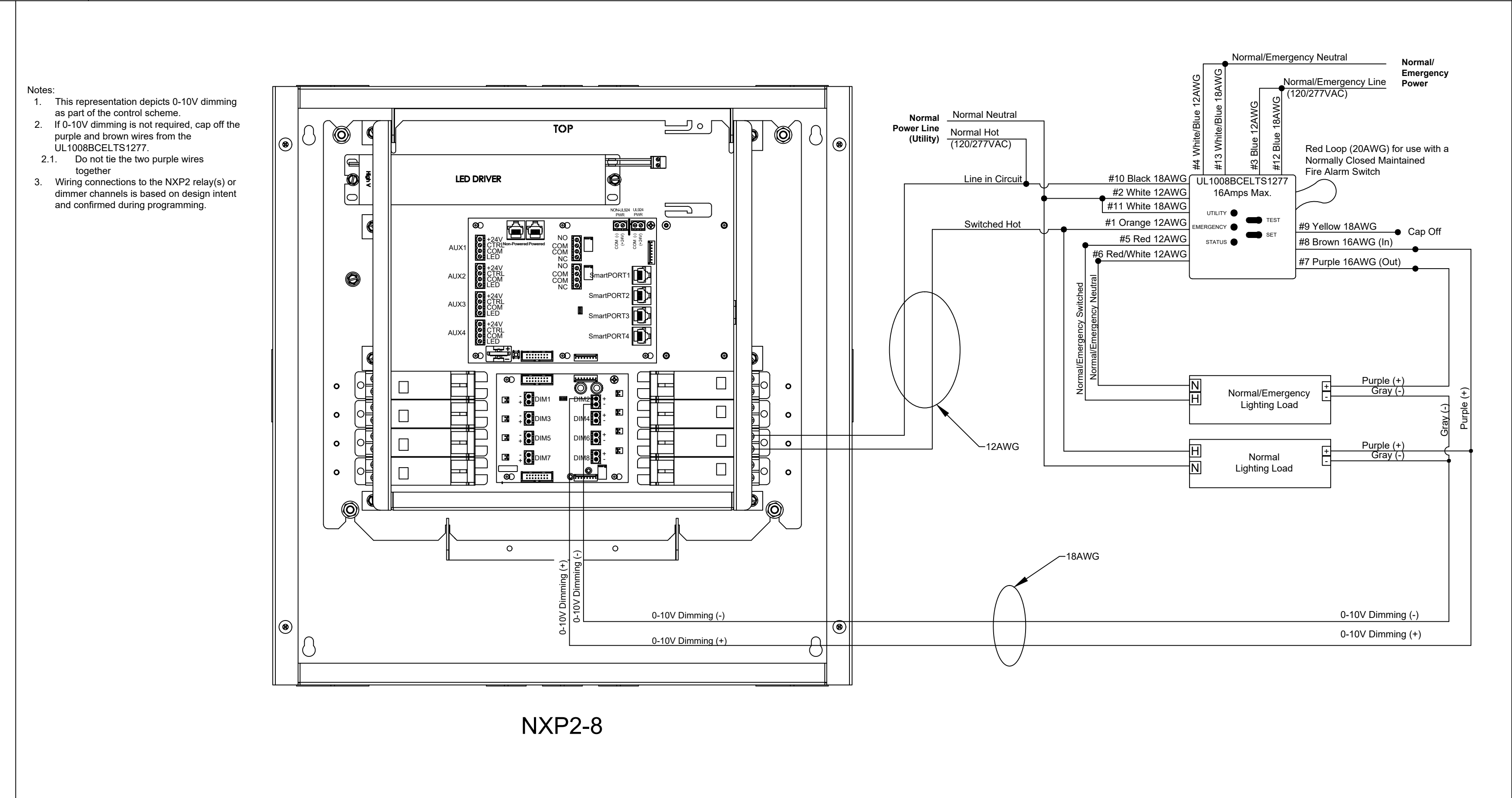
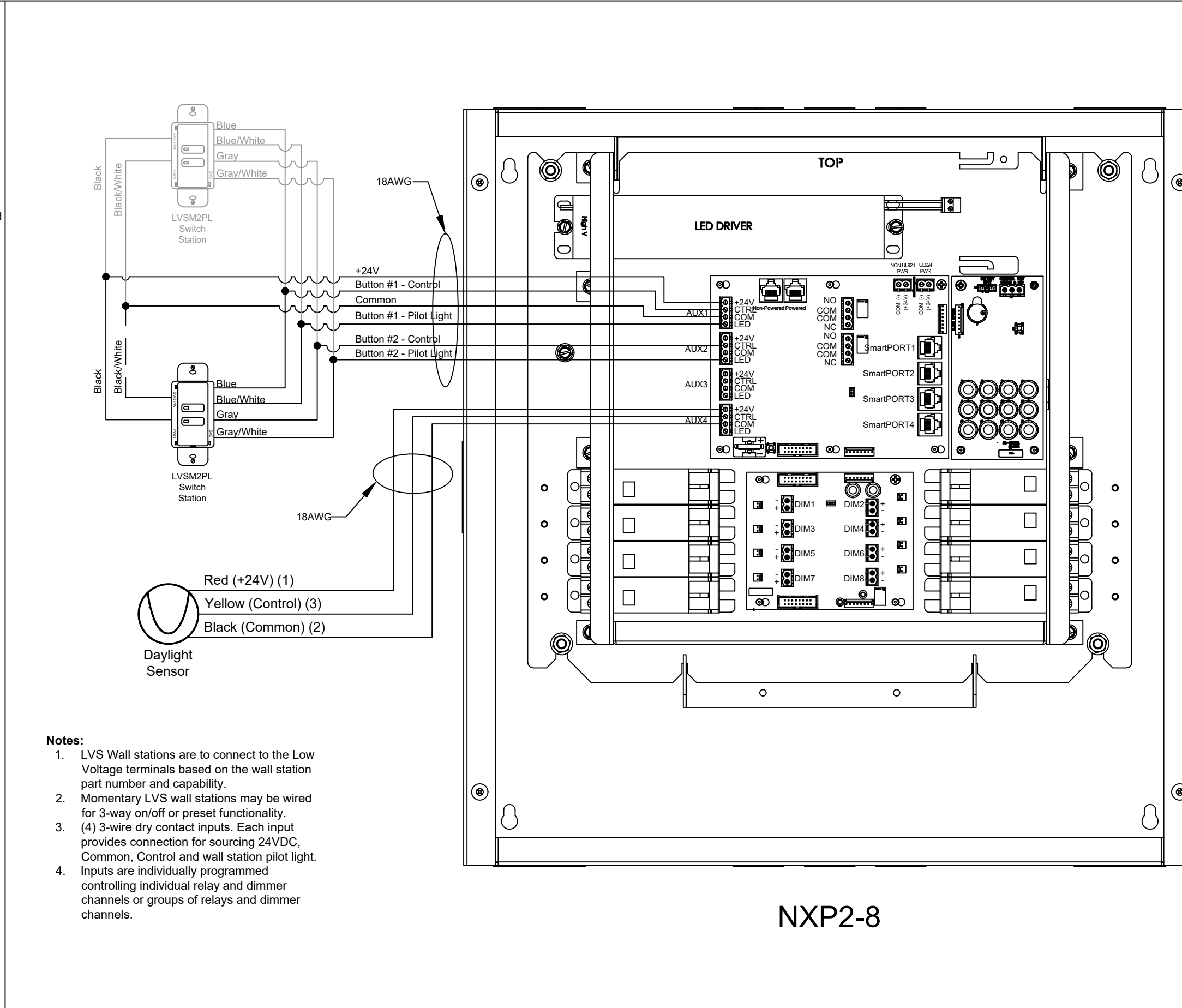
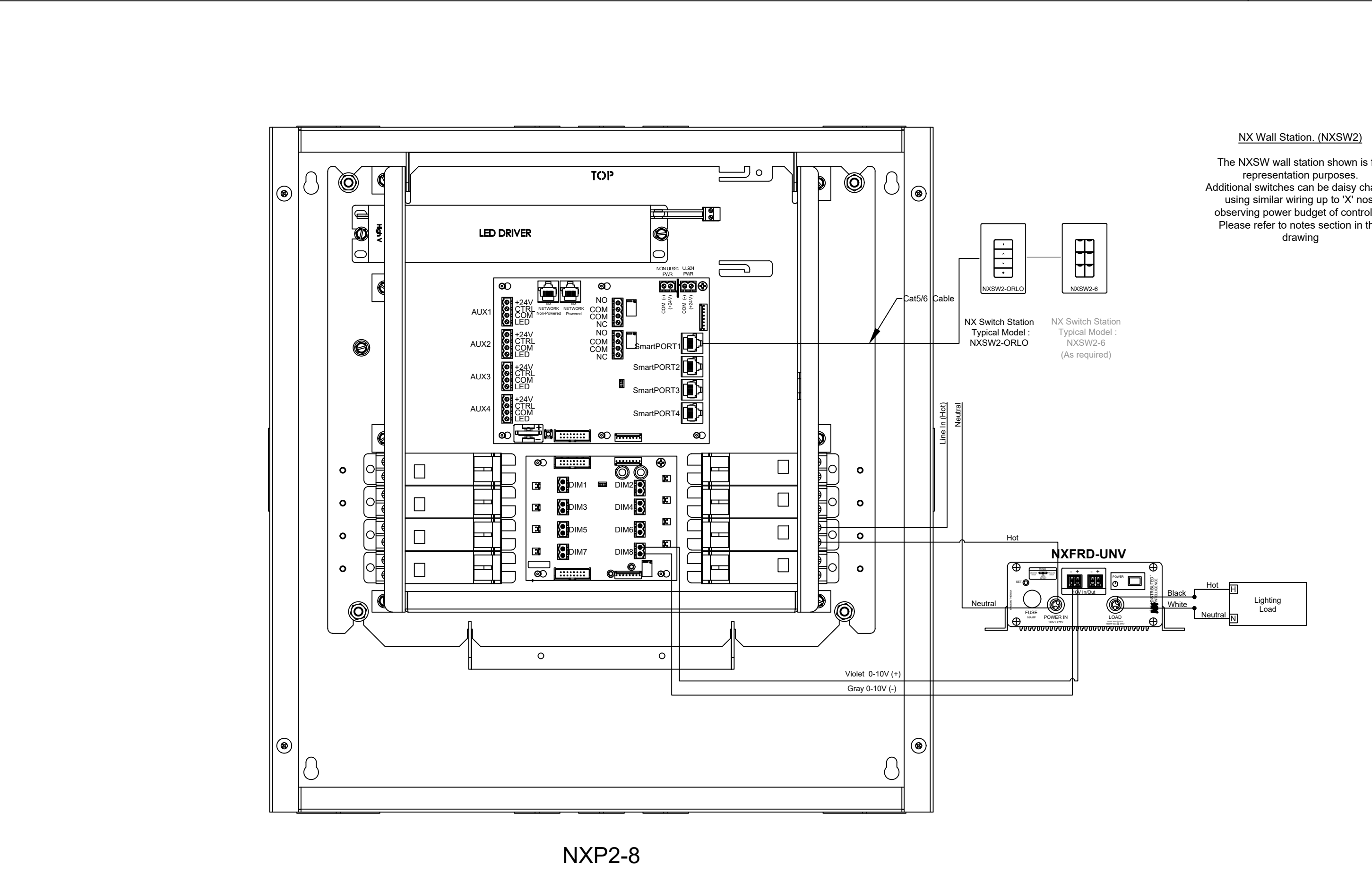
S4. C9		Hybrid network of NX devices with NX area controller and panels	
		Accessory Device	PBUs Used to Power Inverter
		NK Bridge	-5
		NK Switch Station	-1
		NK Energy Controller	12



S7. C1 UL924 Kit Switching and 0-10VDC Dimming Connections

S7. C2 SPDT Dry Contact Outputs

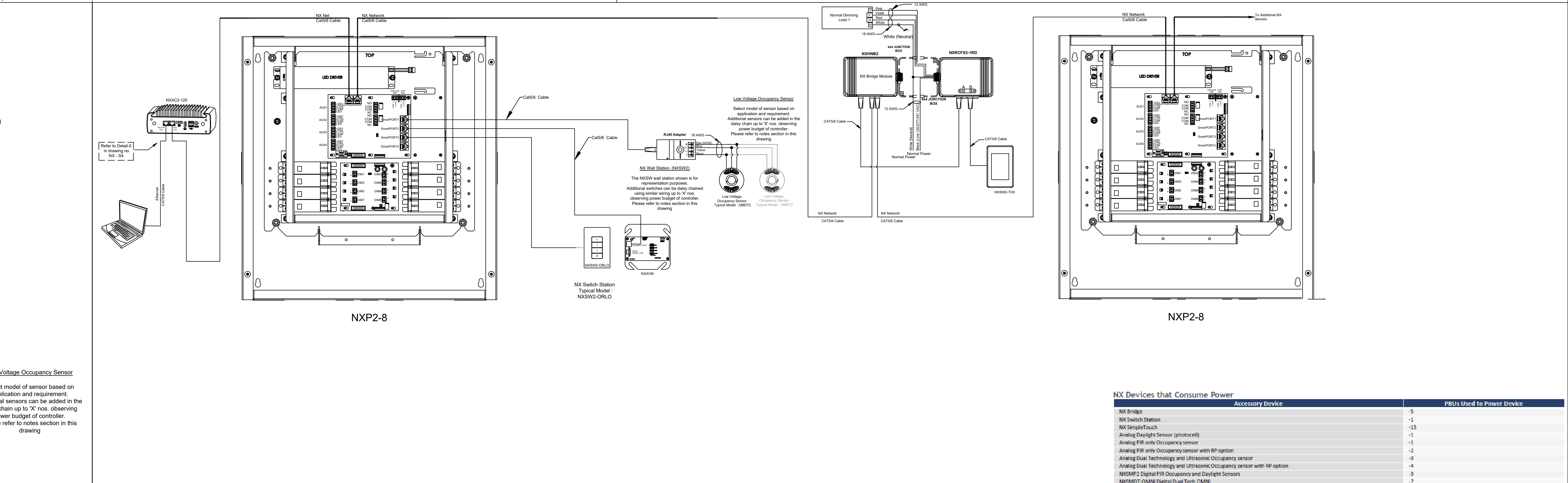
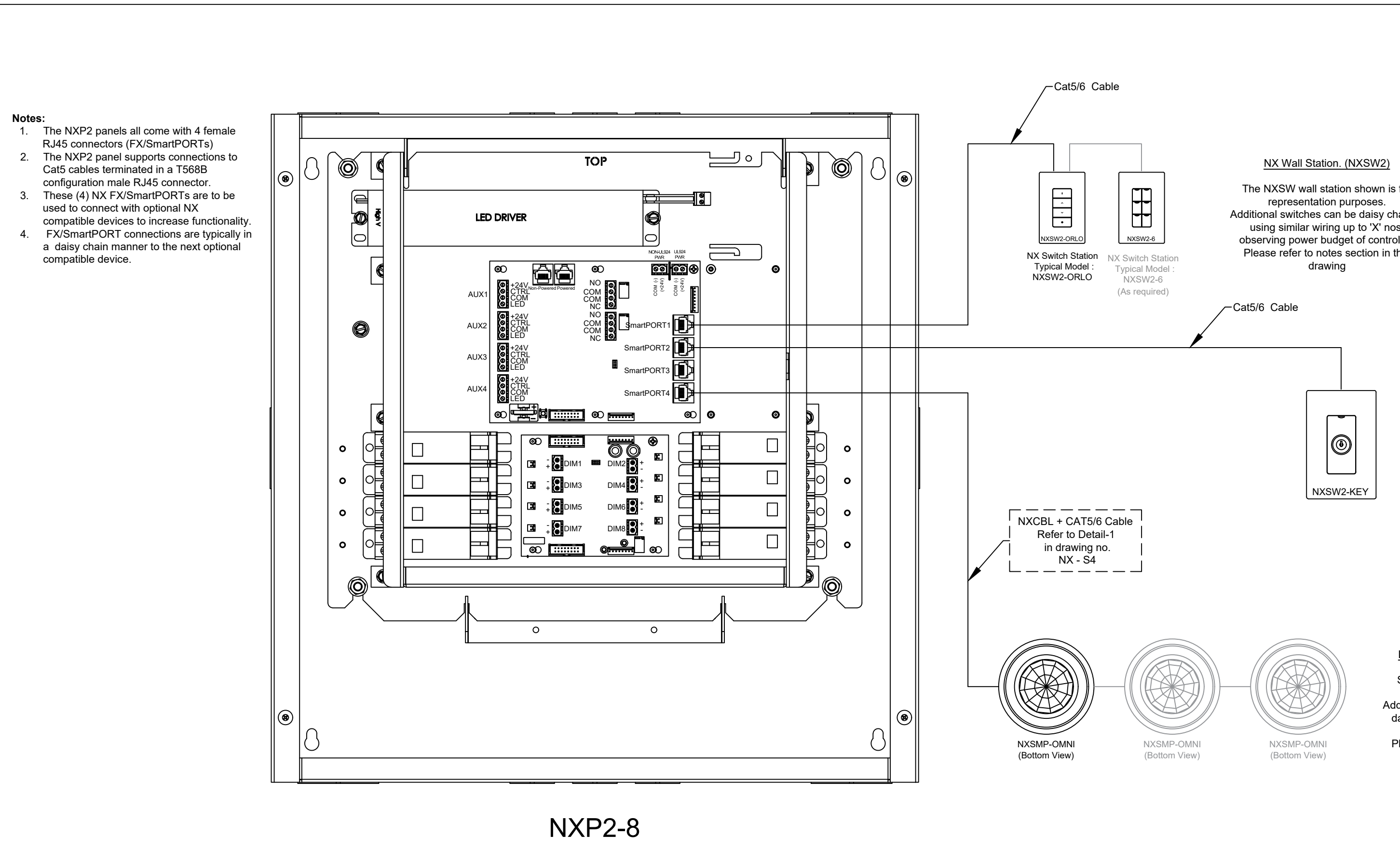
S7. C3 ALCR1277 Switching and 0-10VDC Dimming Connections



S7. C4 PHDIM-1277 and 0-10VDC Dimming Connections

S7. C5 Low Voltage Input Wall Station Connection and Daylight Sensor

S7. C6 UL1008BCELT S1277 Switching and 0-10VDC Dimming Connections



S7. C7 FX/SmartPORT Connected Devices

S7. C8 NX Network Segment with Connected Devices

NX Devices that Consume Power		
Accessory Device		PIBUs Used to Power Device
NX Bridge		5
NX Switch Station		-1
NX SmartTouch		-15
Analogue Daylight Sensor (photocell)		-1
Analogue PIR only Occupancy sensor		-1
Analogue PIR only Occupancy sensor with RP option		-2
Analogue Dual Technology and Ultrasonic Occupancy sensor		-4
NXMP2 Digital PIR Occupancy and Daylight Sensors		-9
NXMP2 DMX Digital Dual Foot DMX		-7
NXMP2 LightWave		-1
NXMP2 Single Channel Channel Module Input		-5
NXMP2 or Legacy Radio Module		-15
NXMP2 M Bus Module		-3
NX Audio Video Module		-1