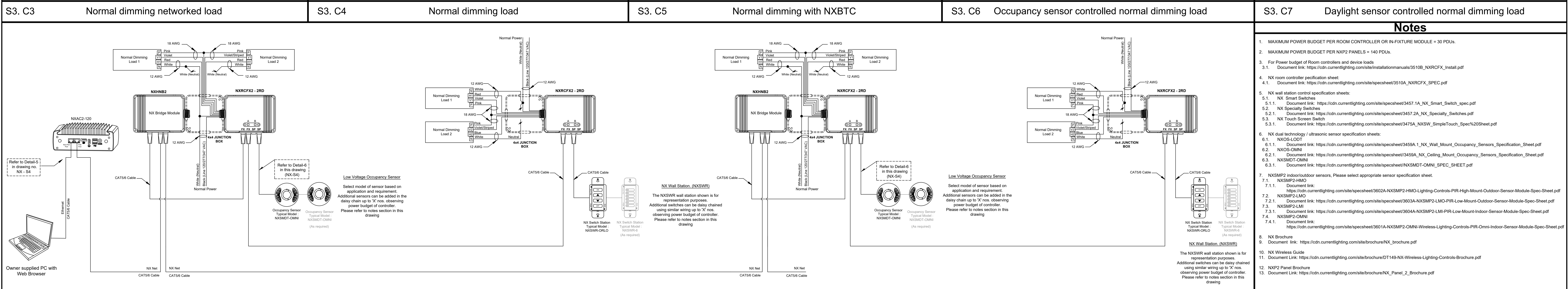
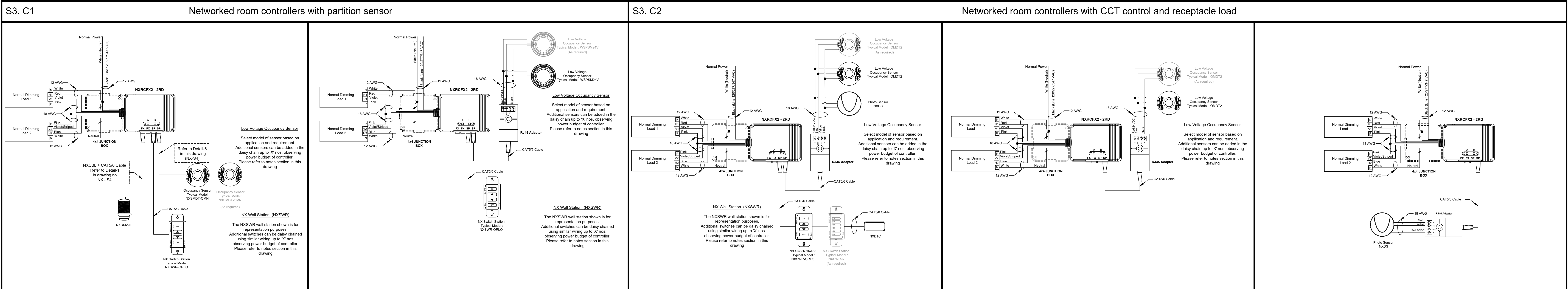
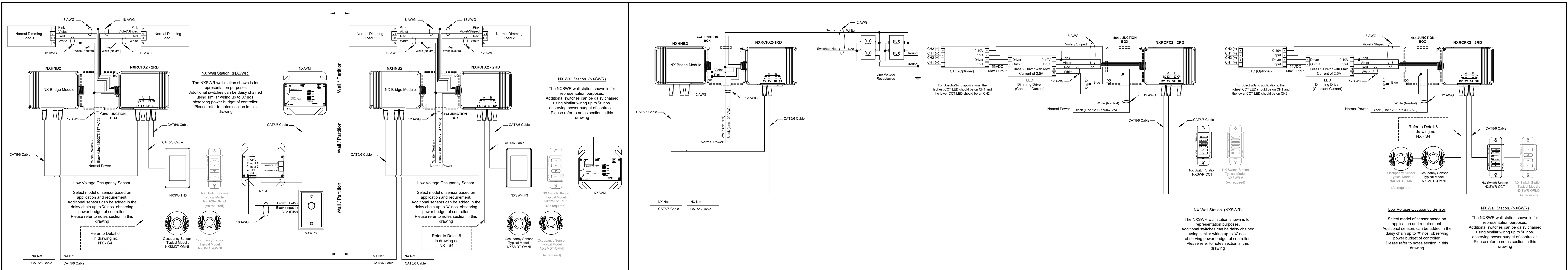


| Notes | | | |
|---|------|----|---|
| 1. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs. | | | |
| 2. MAXIMUM POWER BUDGET PER NXFP PANELS = 140 PDUs. | | | |
| 3. For Power budget of Room controllers and device loads | | | |
| 3.1. Document link: https://cdn.currentlighting.com/site/installationmanuals/35108_NXRCFX_SPEC.pdf | | | |
| 4. NX room controller specification sheet | | | |
| 4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3510A_NXRCFX_SPEC.pdf | | | |
| 5. NX wall station control specification sheets: | | | |
| 5.1. NX Smart Switches | | | |
| 5.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3457_1A_NX_Smart_Switch_spec.pdf | | | |
| 5.2. NX Specialty Switches | | | |
| 5.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3458A_NX_Specialty_Switches.pdf | | | |
| 5.3. NX Touch Screen Switch | | | |
| 5.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3475A_NX_Simple_Touch_Spec%20Sheet.pdf | | | |
| 6. NX dual technology / ultrasonic sensor specification sheets: | | | |
| 6.1. NXAS-DOY | | | |
| 6.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3458A_1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf | | | |
| 6.2. NXOS-OMNI | | | |
| 6.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3458A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf | | | |
| 6.3. NXMSMT-OMNI | | | |
| 6.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3475A_NXMSMT-OMNI_SPEC_SHEET.pdf | | | |
| 7. NXSMPT2 indoor/outdoor sensors. Please select appropriate sensor specification sheet. | | | |
| 7.1. NXSMPT2-HMO | | | |
| 7.1.1. Document link: https://cdn.currentlighting.com/site/specsheet/3602A-NXSMPT2-HMO-Lighting-Controls-PIR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf | | | |
| 7.2. NXSMPT2-LMO | | | |
| 7.2.1. Document link: https://cdn.currentlighting.com/site/specsheet/3603A-NXSMPT2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf | | | |
| 7.3. NXSMPT2-LMI | | | |
| 7.3.1. Document link: https://cdn.currentlighting.com/site/specsheet/3604A-NXSMPT2-LMI-PIR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf | | | |
| 7.4. NXSMPT2-OMNI | | | |
| 7.4.1. Document link: https://cdn.currentlighting.com/site/specsheet/3601A-NXSMPT2-OMNI-Wireless-Lighting-Controls-PIR-OMNI-Indoor-Sensor-Module-Spec-Sheet.pdf | | | |
| 8. NX Brochure | | | |
| 8.1. Document link: https://cdn.currentlighting.com/site/brochure/NX_brochure.pdf | | | |
| 10. NX Wireless Guide | | | |
| 11. Document Link: https://cdn.currentlighting.com/site/brochure/DT149-NX-Wireless-Lighting-Controls-Brochure.pdf | | | |
| 12. NXFP Panel Brochure | | | |
| 13. Document Link: https://cdn.currentlighting.com/site/brochure/NX_Panel_2_Brochure.pdf | | | |
| NX Accessory Device Categories | | | PBU Used to Power Device |
| NX switch station (NXSWR) | | | -1 |
| NX Simple Touch (NXSW-TH3) | | | -15 |
| NXDS Analog daylight sensor (photosensor) | | | -1 |
| NXOS Analog PIR only occupancy sensor | | | -1 |
| NXOS Analog PIR only occupancy sensor with RP option | | | -2 |
| NXOS Analog dual technology and ultrasonic occupancy sensor | | | -3 |
| NXOS Analog dual technology and ultrasonic occupancy sensor with RP option | | | -4 |
| NXSM Sensor Digital OMNI/LightHAWK | | | -7 |
| NXSMPT2 NX digital occupancy and daylight sensors | | | -3 |
| NXCI single contact closure module input | | | -1 |
| NXRO single contact closure module output | | | -3 |
| NXRM2-H radio module | | | -15 |
| NXAVM audio video module | | | -1 |
| NXHNB2 Bridge Module | | | -7 |
| Rev. | Date | By | TITLE |
| | | | NX TYPICAL CONFIGURATIONS: NXFX ROOM CONTROLLER |
| Current | | | DATE: 07/06/2020 |
| | | | SCALE: NTS |
| | | | DRAWING / DESIGN NO.: NX - S1 |
| | | | 701 Millennium Blvd. Greenville, SC 29607 |
| | | | Main Switchboard: (864) 678-1000 Technical Service: (800) 888-8006 |

| | | | | | | | |
|--------|---------------------|--------|-------------------------------|--------|--|--------|-------------------------------------|
| S2. C1 | Normal dimming load | S2. C2 | Networked normal dimming load | S2. C3 | Networked normal dimming load with CCT control | S2. C4 | Normal dimming load with key switch |
|--------|---------------------|--------|-------------------------------|--------|--|--------|-------------------------------------|

| | | | | | |
|--------|-------------------------|--------|---|--------|---|
| S2. C5 | Dual reverse phase load | S2. C6 | Normal / Emergency dimming load with ALCR1277 | S2. C7 | Normal / Emergency dimming load with UL924EPC1D-UNV |
|--------|-------------------------|--------|---|--------|---|

| | | | |
|--------|---|--------|------------------------------------|
| S2. C8 | Normal / Emergency dimming load with UL1008BCELTS1277 | S2. C9 | Normal dimming and receptacle load |
| | | | |



S3. C10 Normal/Emergency dimming load on NX UL924 room controller

Notes

- MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.
- MAXIMUM POWER BUDGET PER NX2 PANELS = 140 PDUs.
- For Power budget of Room controllers and device loads
- Document Link: https://cdn.currentlighting.com/site/installationmanuals/3510B_NXRCFX_Install.pdf
- NX room controller specification sheet
- Document Link: https://cdn.currentlighting.com/site/specsheet/3510A_NXRCFX_SPEC.pdf
- NX wall station control specification sheets:
 - 5.1.1 NX Smart Switches
 - 5.2.1 NX Specialty Switches
 - 5.3.1 NX Touch Screen Switch
 - Document Link: https://cdn.currentlighting.com/site/specsheet/3475A_NXSW_SimpleTouch_Spec%20Sheet.pdf
- NX dual technology / ultrasonic sensor specification sheets:
 - 6.1.1 NXOS-DOMI
 - 6.2.1 NXOS-DOMI
 - 6.3.1 NXOS-DOMI
 - Document Link: https://cdn.currentlighting.com/site/specsheet/3459A_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf
- NXSMF2 indoor/outdoor sensors. Please select appropriate sensor specification sheet.
 - 7.1.1 NXSMF2-HMO
 - 7.2.1 NXSMF2-LMO
 - 7.3.1 NXSMF2-LMI
 - 7.4.1 NXSMF2-OMNI
 - Document Link: <https://cdn.currentlighting.com/site/specsheet/3602A-NXSMF2-HMO-Lighting-Controls-PIR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf>
- NXSMF2-LMO
- Document Link: <https://cdn.currentlighting.com/site/specsheet/3603A-NXSMF2-LMO-PIR-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf>
- NXSMF2-LMI
- Document Link: <https://cdn.currentlighting.com/site/specsheet/3604A-NXSMF2-LMI-PIR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf>
- NXSMF2-OMNI
- Document Link: <https://cdn.currentlighting.com/site/specsheet/3601A-NXSMF2-OMNI-Wireless-Lighting-Controls-PIR-Omni-Indoor-Sensor-Module-Spec-Sheet.pdf>
- NX Brochure
- Document Link: https://cdn.currentlighting.com/site/brochure/NX_brochure.pdf
- NX Wireless Guide
- Document Link: <https://cdn.currentlighting.com/site/brochure/DT149-NX-Wireless-Lighting-Controls-Brochure.pdf>
- NXP2 Panel Brochure
- Document Link: https://cdn.currentlighting.com/site/brochure/NX_Panel_2_Brochure.pdf

S3. C10 Normal/Emergency dimming load on NX UL924 room controller

| NX Accessory Device Categories | | PBU Used to Power Device |
|--|--|--------------------------|
| NX switch station (NXSWR) | | -1 |
| NX Simple Touch (NXSW-TH3) | | -15 |
| NXDS Analog daylight sensor (photosensor) | | -1 |
| NXOS Analog PIR only occupancy sensor | | -1 |
| NXOS Analog PIR only occupancy sensor with RP option | | -2 |
| NXOS Analog dual technology and ultrasonic occupancy sensor | | -3 |
| NXOS Analog dual technology and ultrasonic occupancy sensor with RP option | | -4 |
| NXSM Sensor Digital OMNI/UL924 | | -7 |
| NXSMF2 NX digital occupancy and daylight sensors | | -3 |
| NXCI single contact closure module input | | -1 |
| NXRO single contact closure module output | | -1 |
| NXRM2-H radio module | | -15 |
| NXAVM audio video module | | -1 |
| NXHNB2 Bridge Module | | -7 |

S3. C9 Normal dimming with controlled receptacle

| Rev. | Date | By | DATE |
|------|------|----|------|
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Current

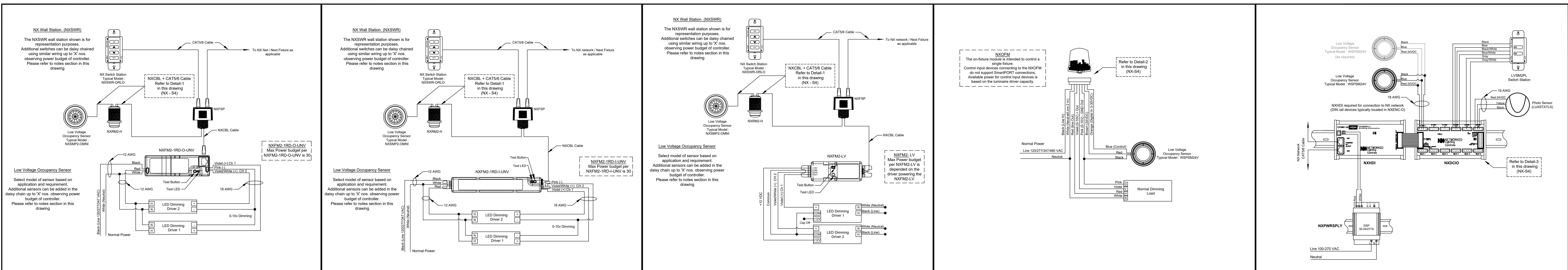
701 Millennium Blvd.
Greenville, SC 29607

Technical Service: (800) 888-8006

DATE: 07/23/2020

SCALE: 0

DRAWING / DESIGN NO.: NX - S3



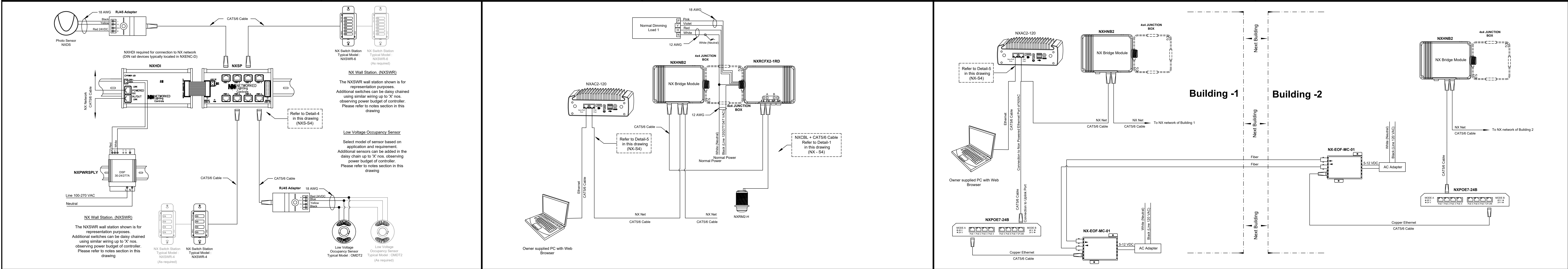
| | |
|--------|--|
| S4. C1 | NX fixture module (Offset) with dual drivers |
|--------|--|

| | |
|--------|--|
| S4. C2 | NX fixture module (Inline) with dual drivers |
|--------|--|

S4. C3 NX fixture module (Low Voltage) with dual drivers

| | |
|--------|------------------------------|
| S4. C4 | NX on-fixture module (7 Pin) |
|--------|------------------------------|

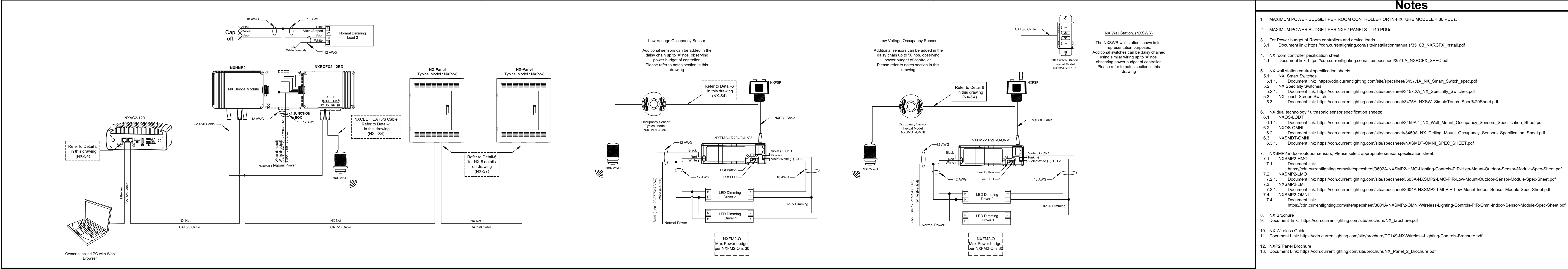
| | |
|--------|-------------------|
| S4. C5 | NXDCIO with NXHDI |
|--------|-------------------|



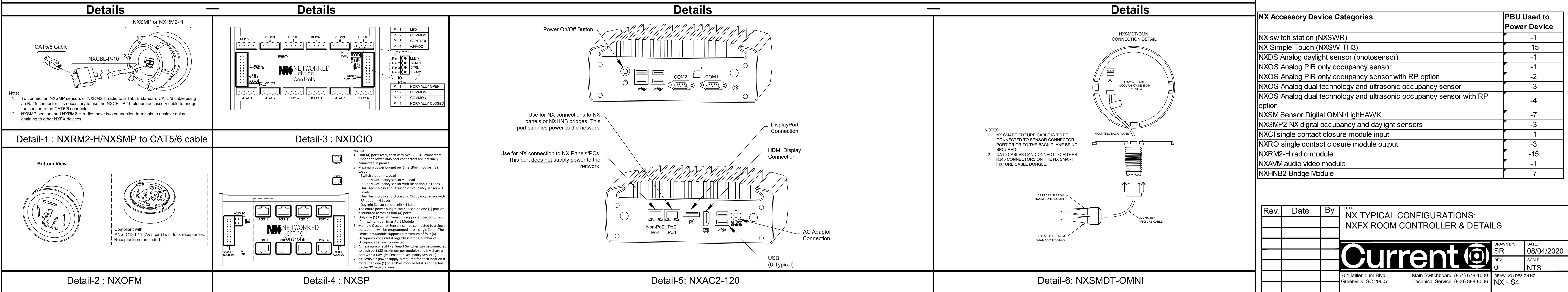
| | |
|--------|-----------------|
| S4. C6 | NXSP with NXHDI |
|--------|-----------------|

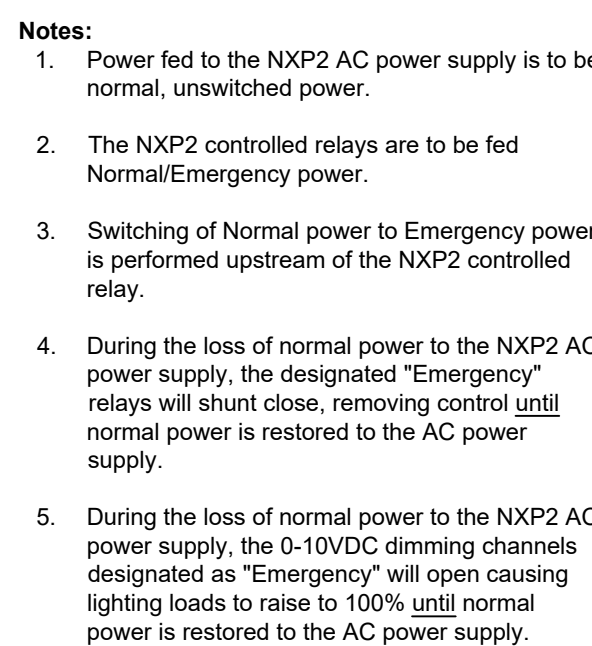
| | |
|--------|--|
| S4. C7 | Networked controller connected to NX area controller |
|--------|--|

| | |
|--------|---|
| S4. C8 | Network of NX devices between two separate building units via fiber cable and media converter |
|--------|---|

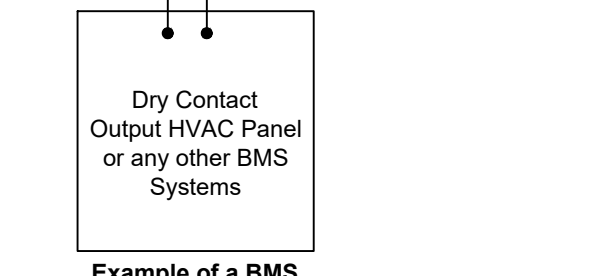


| | |
|--------|---|
| S4. C9 | Wireless network of NX devices with NX area controller and panels |
|--------|---|



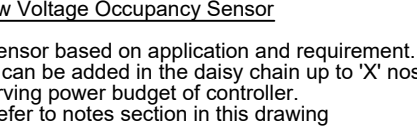


NXP2-8



NXP2-8

- Notes:**
1. (2) SPDT (Normally Open/Normally Closed) dry contact outputs are each rated for 24VDC @ 50mA.
 2. Contacts to be used based on design Engineer intent.



NXP2-8

NXP2-8

S5. C2 SPDT Dry Contact Outputs

S5. C3 NX Network Segment with Connected Devices

- Notes:
1. This representation depicts 0-10V dimming as part of the control scheme.
 2. If 0-10V dimming is not required, cap off the purple and brown wires from the UL1008BCELT51277.
 - 2.1. Do not tie the two purple wires together
 3. Wiring connections to the NXP2 relay(s) or dimmer channels is based on design intent and confirmed during programming.



S5. C4 UL1008BCELT51277 Switching and 0-10VDC Dimming Connections

- Notes:**

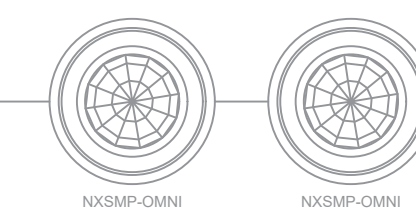
 1. The NX2P2 panels all come with 4 terminal RJ45 connectors (FX/SmartPORTs)
 2. The NX2P2 panel supports connections Cat5 cables terminated in a T568B configuration male RJ45 connector.

NX Wall Station (NXSW)

The NXSW wall station shown is for representation purposes. Additional switches can be daisy chained using similar wiring up to X max, observing power budget of controller.

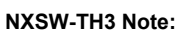
Please refer to notes section in this drawing.

 3. These (4) NX FX/SmartPORTs are to be used to connect with optional NX compatible devices to increase



NXP2-8

- Notes:**
1. The NXP2 panels all come with 4 female RJ45 connectors (FX/SmartPORTs)
 2. The NXP2 panel supports connections to Cat5 cables terminated in a T568B configuration male RJ45 connector.
 3. These (4) NX FX/SmartPORTs are to be used to connect with optional NX compatible devices to increase functionality.
 4. FX/SmartPORT connections are typically in a daisy chain manner to the next optional compatible device.




Notes

2. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.
3. MAXIMUM POWER BUDGET PER NXPP2 PANEL = 140 PDUs.
4. For Power budget of Room controllers and device loads:
 - 3.1. Document link: https://cdn.currentlighting.com/sites/installationmanuals/3510b_NXRCFX_Install.pdf
- 4.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3510a_NXRCFX_SPEC.pdf
5. NX wall station control specification sheets:
 - 5.1. NX Smart Switches
 - 5.1.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3457_1a_NX_Smart_Switch_spec.pdf
 - 5.2. NX Specialty Switches
 - 5.2.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3457_2a_NX_Specialty_Switches.pdf
 - 5.3. NX Touch Screen Switches
 - 5.3.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3458a_NX_SimpleTouch_Switch20Sheet.pdf
6. NX dual technology / ultrasonic sensor specification sheets:
 - 6.1. NXSG-LOOT
 - 6.1.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3459A_1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf
 - 6.2. NXSG-OMNI
 - 6.2.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3459A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf
 - 6.3. NXSGMT-OMNI
 - 6.3.1. Document link: https://cdn.currentlighting.com/sites/specsheet/nxsgmt-omni_spec_sheet.pdf
7. NXSPM2 indoor/outdoor sensors, Please select appropriate sensor specification sheet:
 - 7.1. NXSPM2-LMO
 - 7.1.1. Document link:
https://cdn.currentlighting.com/sites/specsheet/3602A_NXSPM2-HMO-Lighting-Controls-PIR-High-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
 - 7.2. NXSPM2-LMO
 - 7.2.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3603A_NXSPM2-LMO-Low-Mount-Outdoor-Sensor-Module-Spec-Sheet.pdf
 - 7.3. NXSPM2-LMI
 - 7.3.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3604A_NXSPM2-LMI-PIR-Low-Mount-Indoor-Sensor-Module-Spec-Sheet.pdf
 - 7.4. NXSPM2-OMNI
 - 7.4.1. Document link: https://cdn.currentlighting.com/sites/specsheet/3601A_NXSPM2-OMNI-Wireless-Lighting-Controls-PIR-OMNI-Indoor-Sensor-Module-Spec-Sheet.pdf
8. NX Brochure
9. Document link: https://cdn.currentlighting.com/sites/brochure/NX_brochure.pdf
10. NX Wireless Guide
11. Document Link: <https://cdn.currentlighting.com/sites/brochure/D149-NX-Wireless-Lighting-Controls-brochure.pdf>
12. NXPP2 Panel Brochure
13. Document Link: https://cdn.currentlighting.com/sites/brochure/NX_Panel_2_Brochure.pdf

NX Accessory Device Categories

| | |
|-------------|--|
| PBU Used to | |
|-------------|--|

| | |
|--|-----|
| NX switch station (NXSW/R) | -1 |
| NX Simple Touch (NXSW-TH3) | -15 |
| NXDS Analog daylight sensor (photosensor) | -1 |
| NXOS Analog PIR only occupancy sensor | -1 |
| NXOS Analog PIR only occupancy sensor with RP option | -2 |
| NXOS Analog dual technology and ultrasonic occupancy sensor | -3 |
| NXOS Analog dual technology and ultrasonic occupancy sensor with RP option | -4 |
| NXSM Sensor Digital OMNI/LighHAWK | -7 |
| NXSM/2 NX digital occupancy and daylight sensors | -3 |
| NXCI single contact closure module input | -1 |
| NXRO single contact closure module output | -3 |
| NXRM2-H radio module | -15 |
| NXAVM audio video module | -1 |
| NXHNB2 Bridge Module | -7 |

| | | | | | |
|------|------|----|---|--|---------------------|
| Rev. | Date | By | TITLE: NX TYPICAL CONFIGURATIONS: NXP2 PANEL | DRAWN BY: SR | DATE: 08/04/2020 |
| | | |  | PREV | SCALE |
| | | | | | NTS |
| | | | | DRAWING / DESIGN NO.: | |
| | | | 701 Millennium Blvd. Crestview, SC 29507 | Main Switchboard (864) 678-1000 Technical Services (800) 368-8000 | |

S5. C7 Low Voltage Input Wall Station Connection and Daylight Sensor

S5. C8 ALCR1277 Switching and 0-10VDC Dimming Connections

S5. C7 NFRD-UNV and 0-10VDC for Reverse or Forward Phase Dimming