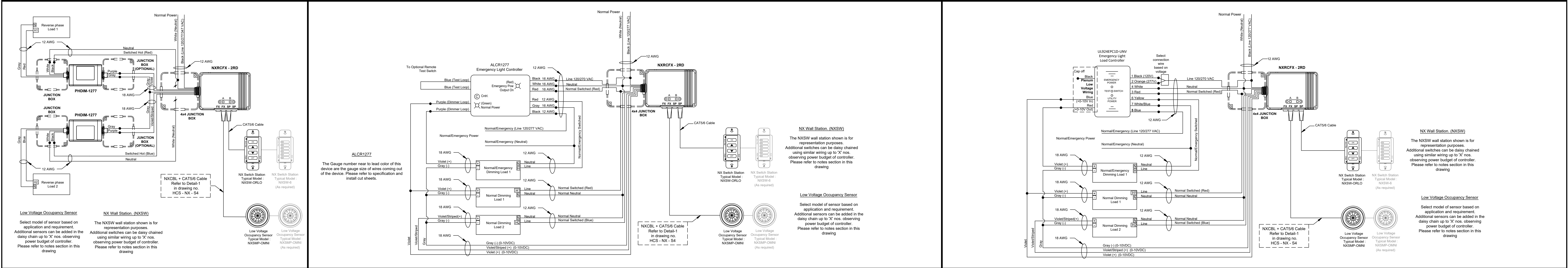
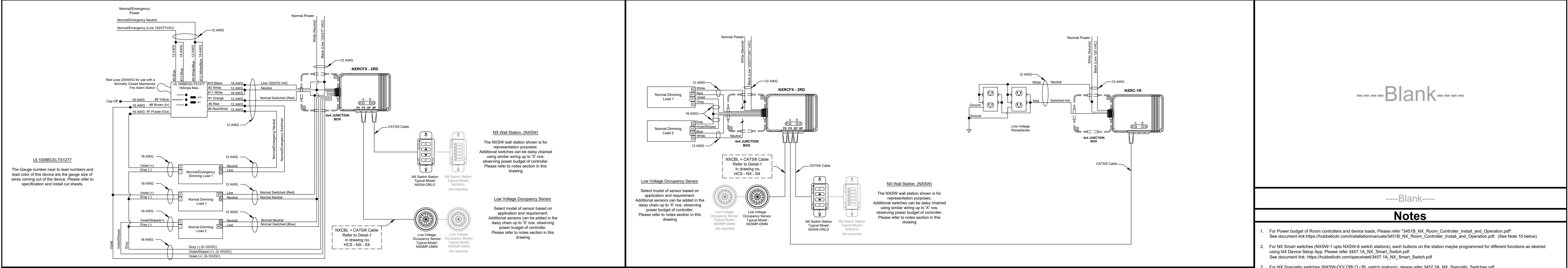


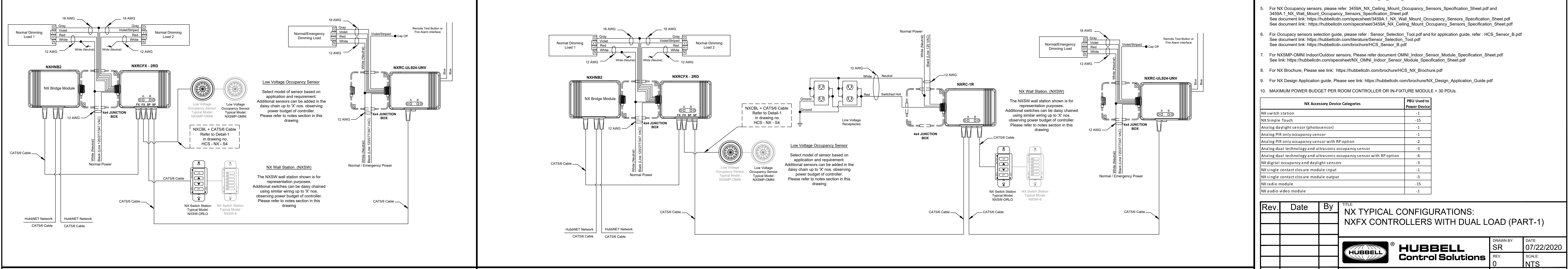
S2. C1 Normal dimming load S2. C2 Networked normal dimming load S2. C3 Networked normal dimming load with CCT control S2. C4 Normal dimming load with key switch S2. C5 Normal dimming load with integration to BMS systems



S2. C6 Dual reverse phase load S2. C7 Normal / Emergency dimming load with ALCR1277 S2. C8 Normal / Emergency dimming load with UL924EPC1D-UNV



S2. C9 Normal / Emergency dimming load with UL1008BELTS1277 S2. C10 Normal dimming and receptacle load



S2. C11 Networked normal / emergency dimming load on NX UL924 room controller S2. C12 Networked normal / emergency dimming load on NX UL924 room controller and receptacle load

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Notes

1. For Power budget of Room controllers and device loads, please refer 3457.1A\_NX\_Room\_Controller\_Install\_and\_Operation.pdf. See document link: [https://hubbell.com/installation/3457.1A\\_NX\\_Room\\_Controller\\_Install\\_and\\_Operation.pdf](https://hubbell.com/installation/3457.1A_NX_Room_Controller_Install_and_Operation.pdf). (See Note 10 below)

2. For NX Smart switches (NXSW-1 up to NXSW-6 switch stations), each button on the station may be programmed for different functions as desired using NX Device Setup App. Please refer 3457.1A\_NX\_Smart\_Switch.pdf. See document link: [https://hubbell.com/specsheet/3457.1A\\_NX\\_Smart\\_Switch.pdf](https://hubbell.com/specsheet/3457.1A_NX_Smart_Switch.pdf)

3. For NX Specialty switches (NXSW-DO/DO/DO/DO/DO/DO switch stations), please refer 3457.2A\_NX\_Specialty\_Switches.pdf. See document link: [https://hubbell.com/specsheet/3457.2A\\_NX\\_Specialty\\_Switches.pdf](https://hubbell.com/specsheet/3457.2A_NX_Specialty_Switches.pdf)

4. For guide on NX Switch stations, please refer HCS\_NX\_Switch\_Guide.pdf. See document link: [https://hubbell.com/literature/HCS\\_NX\\_Switch\\_Guide.pdf](https://hubbell.com/literature/HCS_NX_Switch_Guide.pdf)

5. For NX Occupancy sensors, please refer 3458A\_NX\_Ceiling\_Mount\_Occupancy\_Sensors\_Specification\_Sheet.pdf and 3458A.1\_NX\_Wall\_Mount\_Occupancy\_Sensors\_Specification\_Sheet.pdf. See document link: [https://hubbell.com/specsheet/3458A.1\\_NX\\_Wall\\_Mount\\_Occupancy\\_Sensors\\_Specification\\_Sheet.pdf](https://hubbell.com/specsheet/3458A.1_NX_Wall_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. See document link: [https://hubbell.com/specsheet/3458A\\_NX\\_Ceiling\\_Mount\\_Occupancy\\_Sensors\\_Specification\\_Sheet.pdf](https://hubbell.com/specsheet/3458A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf)

7. For NXSP-OMNI Indoor/Outdoor sensors, please refer document OMNI\_Indoor\_Sensor\_Module\_Specification\_Sheet.pdf. See link: [https://hubbell.com/specsheet/NX\\_OMNI\\_Indoor\\_Sensor\\_Module\\_Specification\\_Sheet.pdf](https://hubbell.com/specsheet/NX_OMNI_Indoor_Sensor_Module_Specification_Sheet.pdf)

8. For NX Brochure, please see link: [https://hubbell.com/brochure/HCS\\_NX\\_Brochure.pdf](https://hubbell.com/brochure/HCS_NX_Brochure.pdf)

9. For NX Design Application guide, please see link: [https://hubbell.com/brochure/NX\\_Design\\_Application\\_Guide.pdf](https://hubbell.com/brochure/NX_Design_Application_Guide.pdf)

10. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.

NX Accessory Device Categories	PDU Used to Power Device
NX switch station	-15
NX Single Touch	-1
Analog daylight sensor (photosensor)	-1
Analog PIR only occupancy sensor	-1
Analog PIR only occupancy sensor with RP option	-2
Analog dual technology and ultrasonic occupancy sensor	-3
Analog dual technology and ultrasonic occupancy sensor with RP option	-4
NX digital occupancy and daylight sensor	-3
NX single contact closure module input	-1
NX single contact closure module output	-1
NX radio module	-15
NX audio video module	-1

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DATE: 07/22/2020

SCALE: NTS

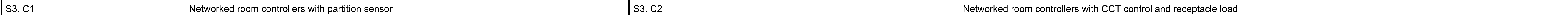
DRAWING / DESIGN NO: HCS - NX - S2

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**Figure 1: NXSW Wall Station Wiring Diagrams**

The figure consists of six sub-diagrams, each showing a different wiring configuration for the NXSW wall station. Each diagram includes a 4x4 junction box, a CAT5E cable, and a wall station unit. The diagrams are labeled as follows:

- Diagram 1:** NXSW Wall Station (NXSW) - Typical Model: NXSW-ORLO. This diagram shows a single wall station unit connected to a 4x4 junction box. The junction box has terminals for Normal Dimming Load 1, Normal Dimming Load 2, and a Neutral line. The wall station unit is connected to the junction box via a CAT5E cable. A note indicates that the power budget of the controller should be observed.
- Diagram 2:** NXSW Wall Station (NXSW) - Typical Model: NXSW-ORLO. This diagram shows a single wall station unit connected to a 4x4 junction box. The junction box has terminals for Normal Dimming Load 1, Normal Dimming Load 2, and a Neutral line. The wall station unit is connected to the junction box via a CAT5E cable. A note indicates that the power budget of the controller should be observed.
- Diagram 3:** NXSW Wall Station (NXSW) - Typical Model: NXSW-ORLO. This diagram shows a single wall station unit connected to a 4x4 junction box. The junction box has terminals for Normal Dimming Load 1, Normal Dimming Load 2, and a Neutral line. The wall station unit is connected to the junction box via a CAT5E cable. A note indicates that the power budget of the controller should be observed.
- Diagram 4:** NXSW Wall Station (NXSW) - Typical Model: NXSW-ORLO. This diagram shows a single wall station unit connected to a 4x4 junction box. The junction box has terminals for Normal Dimming Load 1, Normal Dimming Load 2, and a Neutral line. The wall station unit is connected to the junction box via a CAT5E cable. A note indicates that the power budget of the controller should be observed.
- Diagram 5:** NXSW Wall Station (NXSW) - Typical Model: NXSW-ORLO. This diagram shows a single wall station unit connected to a 4x4 junction box. The junction box has terminals for Normal Dimming Load 1, Normal Dimming Load 2, and a Neutral line. The wall station unit is connected to the junction box via a CAT5E cable. A note indicates that the power budget of the controller should be observed.
- Diagram 6:** NXSW Wall Station (NXSW) - Typical Model: NXSW-ORLO. This diagram shows a single wall station unit connected to a 4x4 junction box. The junction box has terminals for Normal Dimming Load 1, Normal Dimming Load 2, and a Neutral line. The wall station unit is connected to the junction box via a CAT5E cable. A note indicates that the power budget of the controller should be observed.

Each diagram includes a legend for the wall station unit and a note about the power budget of the controller.

Figure 1: NXSW-6 Switch Station Wiring Diagram

The diagram illustrates the wiring for the NXSW-6 Switch Station, showing connections for power, data, and optional sensors. It includes three main configurations: one with an owner-supplied PC, one with standard power and data, and one with a low-voltage occupancy sensor. Key components labeled include the NX Bridge Module, NXRCFX-2RD, 444 JUNCTION BOX, CAT5E Cable, and various power and data lines (18 AWG, 12 AWG). A 'Notes' section at the bottom right provides additional information for power budgeting and sensor selection.

**Notes**

- For Power budget of Room controllers and device loads, Please refer "3451B\_NX\_Room\_Controller\_Install\_and\_Operation.pdf". See document link: [https://hubbellcdm.com/installationmanuals/3451B\\_NX\\_Room\\_Controller\\_Install\\_and\\_Operation.pdf](https://hubbellcdm.com/installationmanuals/3451B_NX_Room_Controller_Install_and_Operation.pdf). (See Note 10 below)
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- For NX Specialty switches (NXSW-7/NXSW-8/NXSW-9/NXSW-10/NXSW-11/NXSW-12/NXSW-13/NXSW-14/NXSW-15/NXSW-16/NXSW-17/NXSW-18/NXSW-19/NXSW-20/NXSW-21/NXSW-22/NXSW-23/NXSW-24/NXSW-25/NXSW-26/NXSW-27/NXSW-28/NXSW-29/NXSW-30/NXSW-31/NXSW-32/NXSW-33/NXSW-34/NXSW-35/NXSW-36/NXSW-37/NXSW-38/NXSW-39/NXSW-40/NXSW-41/NXSW-42/NXSW-43/NXSW-44/NXSW-45/NXSW-46/NXSW-47/NXSW-48/NXSW-49/NXSW-50/NXSW-51/NXSW-52/NXSW-53/NXSW-54/NXSW-55/NXSW-56/NXSW-57/NXSW-58/NXSW-59/NXSW-60/NXSW-61/NXSW-62/NXSW-63/NXSW-64/NXSW-65/NXSW-66/NXSW-67/NXSW-68/NXSW-69/NXSW-70/NXSW-71/NXSW-72/NXSW-73/NXSW-74/NXSW-75/NXSW-76/NXSW-77/NXSW-78/NXSW-79/NXSW-80/NXSW-81/NXSW-82/NXSW-83/NXSW-84/NXSW-85/NXSW-86/NXSW-87/NXSW-88/NXSW-89/NXSW-90/NXSW-91/NXSW-92/NXSW-93/NXSW-94/NXSW-95/NXSW-96/NXSW-97/NXSW-98/NXSW-99/NXSW-100/NXSW-101/NXSW-102/NXSW-103/NXSW-104/NXSW-105/NXSW-106/NXSW-107/NXSW-108/NXSW-109/NXSW-110/NXSW-111/NXSW-112/NXSW-113/NXSW-114/NXSW-115/NXSW-116/NXSW-117/NXSW-118/NXSW-119/NXSW-120/NXSW-121/NXSW-122/NXSW-123/NXSW-124/NXSW-125/NXSW-126/NXSW-127/NXSW-128/NXSW-129/NXSW-130/NXSW-131/NXSW-132/NXSW-133/NXSW-134/NXSW-135/NXSW-136/NXSW-137/NXSW-138/NXSW-139/NXSW-140/NXSW-141/NXSW-142/NXSW-143/NXSW-144/NXSW-145/NXSW-146/NXSW-147/NXSW-148/NXSW-149/NXSW-150/NXSW-151/NXSW-152/NXSW-153/NXSW-154/NXSW-155/NXSW-156/NXSW-157/NXSW-158/NXSW-159/NXSW-160/NXSW-161/NXSW-162/NXSW-163/NXSW-164/NXSW-165/NXSW-166/NXSW-167/NXSW-168/NXSW-169/NXSW-170/NXSW-171/NXSW-172/NXSW-173/NXSW-174/NXSW-175/NXSW-176/NXSW-177/NXSW-178/NXSW-179/NXSW-180/NXSW-181/NXSW-182/NXSW-183/NXSW-184/NXSW-185/NXSW-186/NXSW-187/NXSW-188/NXSW-189/NXSW-190/NXSW-191/NXSW-192/NXSW-193/NXSW-194/NXSW-195/NXSW-196/NXSW-197/NXSW-198/NXSW-199/NXSW-200/NXSW-201/NXSW-202/NXSW-203/NXSW-204/NXSW-205/NXSW-206/NXSW-207/NXSW-208/NXSW-209/NXSW-210/NXSW-211/NXSW-212/NXSW-213/NXSW-214/NXSW-215/NXSW-216/NXSW-217/NXSW-218/NXSW-219/NXSW-220/NXSW-221/NXSW-222/NXSW-223/NXSW-224/NXSW-225/NXSW-226/NXSW-227/NXSW-228/NXSW-229/NXSW-230/NXSW-231/NXSW-232/NXSW-233/NXSW-234/NXSW-235/NXSW-236/NXSW-237/NXSW-238/NXSW-239/NXSW-240/NXSW-241/NXSW-242/NXSW-243/NXSW-244/NXSW-245/NXSW-246/NXSW-247/NXSW-248/NXSW-249/NXSW-250/NXSW-251/NXSW-252/NXSW-253/NXSW-254/NXSW-255/NXSW-256/NXSW-257/NXSW-258/NXSW-259/NXSW-260/NXSW-261/NXSW-262/NXSW-263/NXSW-264/NXSW-265/NXSW-266/NXSW-267/NXSW-268/NXSW-269/NXSW-270/NXSW-271/NXSW-272/NXSW-273/NXSW-274/NXSW-275/NXSW-276/NXSW-277/NXSW-278/NXSW-279/NXSW-280/NXSW-281/NXSW-282/NXSW-283/NXSW-284/NXSW-285/NXSW-286/NXSW-287/NXSW-288/NXSW-289/NXSW-290/NXSW-291/NXSW-292/NXSW-293/NXSW-294/NXSW-295/NXSW-296/NXSW-297/NXSW-298/NXSW-299/NXSW-300/NXSW-301/NXSW-302/NXSW-303/NXSW-304/NXSW-305/NXSW-306/NXSW-307/NXSW-308/NXSW-309/NXSW-310/NXSW-311/NXSW-312/NXSW-313/NXSW-314/NXSW-315/NXSW-316/NXSW-317/NXSW-318/NXSW-319/NXSW-320/NXSW-321/NXSW-322/NXSW-323/NXSW-324/NXSW-325/NXSW-326/NXSW-327/NXSW-328/NXSW-329/NXSW-330/NXSW-331/NXSW-332/NXSW-333/NXSW-334/NXSW-335/NXSW-336/NXSW-337/NXSW-338/NXSW-339/NXSW-340/NXSW-341/NXSW-342/NXSW-343/NXSW-344/NXSW-345/NXSW-346/NXSW-347/NXSW-348/NXSW-349/NXSW-350/NXSW-351/NXSW-352/NXSW-353/NXSW-354/NXSW-355/NXSW-356/NXSW-357/NXSW-358/NXSW-359/NXSW-360/NXSW-361/NXSW-362/NXSW-363/NXSW-364/NXSW-365/NXSW-366/NXSW-367/NXSW-368/NXSW-369/NXSW-370/NXSW-371/NXSW-372/NXSW-373/NXSW-374/NXSW-375/NXSW-376/NXSW-377/NXSW-378/NXSW-379/NXSW-380/NXSW-381/NXSW-382/NXSW-383/NXSW-384/NXSW-385/NXSW-386/NXSW-387/NXSW-388/NXSW-389/NXSW-390/NXSW-391/NXSW-392/NXSW-393/NXSW-394/NXSW-395/NXSW-396/NXSW-397/NXSW-398/NXSW-399/NXSW-400/NXSW-401/NXSW-402/NXSW-403/NXSW-404/NXSW-405/NXSW-406/NXSW-407/NXSW-408/NXSW-409/NXSW-410/NXSW-411/NXSW-412/NXSW-413/NXSW-414/NXSW-415/NXSW-416/NXSW-417/NXSW-418/NXSW-419/NXSW-420/NXSW-421/NXSW-422/NXSW-423/NXSW-424/NXSW-425/NXSW-426/NXSW-427/NXSW-428/NXSW-429/NXSW-430/NXSW-431/NXSW-432/NXSW-433/NXSW-434/NXSW-435/NXSW-436/NXSW-437/NXSW-438/NXSW-439/NXSW-440/NXSW-441/NXSW-442/NXSW-443/NXSW-444/NXSW-445/NXSW-446/NXSW-447/NXSW-448/NXSW-449/NXSW-450/NXSW-451/NXSW-452/NXSW-453/NXSW-454/NXSW-455/NXSW-456/NXSW-457/NXSW-458/NXSW-459/NXSW-460/NXSW-461/NXSW-462/NXSW-463/NXSW-464/NXSW-465/NXSW-466/NXSW-467/NXSW-468/NXSW-469/NXSW-470/NXSW-471/NXSW-472/NXSW-473/NXSW-474/NXSW-475/NXSW-476/NXSW-477/NXSW-478/NXSW-479/NXSW-480/NXSW-481/NXSW-482/NXSW-483/NXSW-484/NXSW-485/NXSW-486/NXSW-487/NXSW-488/NXSW-489/NXSW-490/NXSW-491/NXSW-492/NXSW-493/NXSW-494/NXSW-495/NXSW-496/NXSW-497/NXSW-498/NXSW-499/NXSW-500/NXSW-501/NXSW-502/NXSW-503/NXSW-504/NXSW-505/NXSW-506/NXSW-507/NXSW-508/NXSW-509/NXSW-510/NXSW-511/NXSW-512/NXSW-513/NXSW-514/NXSW-515/NXSW-516/NXSW-517/NXSW-518/NXSW-519/NXSW-520/NXSW-521/NXSW-522/NXSW-523/NXSW-524/NXSW-525/NXSW-526/NXSW-5

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See document link: [https://hubbellcloud.com/installation-manuals/3451B\\_NX\\_Room\\_Controller\\_Install\\_and\\_Operation.pdf](https://hubbellcloud.com/installation-manuals/3451B_NX_Room_Controller_Install_and_Operation.pdf). (See Note 10 below)

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3. For NX Specialty switches (NXSW-QO/ ORLO / RL switch stations), please refer 3457-2A\_NX\_Specialty\_Switches.pdf.  
See document link: [https://hubbellcloud.com/specsheet/3457-2A\\_NX\\_Specialty\\_Switches.pdf](https://hubbellcloud.com/specsheet/3457-2A_NX_Specialty_Switches.pdf)

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See document link: [https://hubbellcloud.com/specsheet/3459A-1\\_NX\\_Wall\\_Mount\\_Occupancy\\_Sensors\\_Specification\\_Sheet.pdf](https://hubbellcloud.com/specsheet/3459A-1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf)  
See document link: [https://hubbellcloud.com/specsheet/3459A\\_NX\\_Ceiling\\_Mount\\_Occupancy\\_Sensors\\_Specification\\_Sheet.pdf](https://hubbellcloud.com/specsheet/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.  
See document link: [https://hubbellcloud.com/literature/Sensor\\_Selection\\_Tool.pdf](https://hubbellcloud.com/literature/Sensor_Selection_Tool.pdf)  
See document link: [https://hubbellcloud.com/brochure/HCS\\_Sensor\\_B.pdf](https://hubbellcloud.com/brochure/HCS_Sensor_B.pdf)

7. For NXSPM-OMNI Indoor/Outdoor sensors, please refer document OMNI\_Indoor\_Sensor\_Module\_Specification\_Sheet.pdf.  
See link: [https://hubbellcloud.com/specsheet/NX\\_OMNI\\_Indoor\\_Sensor\\_Module\\_Specification\\_Sheet.pdf](https://hubbellcloud.com/specsheet/NX_OMNI_Indoor_Sensor_Module_Specification_Sheet.pdf)

8. For NX Brochure, please see link: [https://hubbellcloud.com/brochure/HCS\\_NX\\_Brochure.pdf](https://hubbellcloud.com/brochure/HCS_NX_Brochure.pdf)

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NX Accessory Device Categories	PRU Used to Power Device
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NX Simple Touch	-15
Analogue daylight sensor (photosensor)	-1
Analogue PIR only occupancy sensor	-1
Analogue PIR only occupancy sensor with RP option	-3
Analogue dual technology and ultrasonic occupancy sensor	-3
Analogue dual technology and ultrasonic occupancy sensor with RP option	-4
NX digital occupancy and daylight sensor	-1
NX single contact closure module input	-1
NX single contact closure module output	-3
NX radio module	-15
NX audio video module	-15


Rev.

Date

By

TITLE

NX TYPICAL CONFIGURATIONS:  
NXFX CONTROLLERS WITH DUAL LOAD (PART-2)



701 Millennium Blvd.  
Greenville, SC 29607  
[www.hubbellcontrolsolutions.com](http://www.hubbellcontrolsolutions.com)

Main Switchboard: (864) 678-1000

Technical Service: (800) 888-8006

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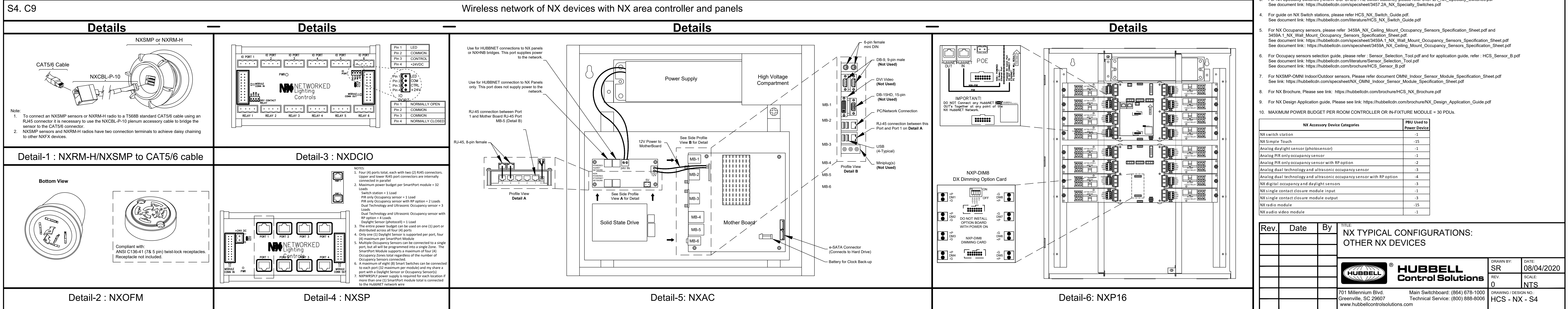
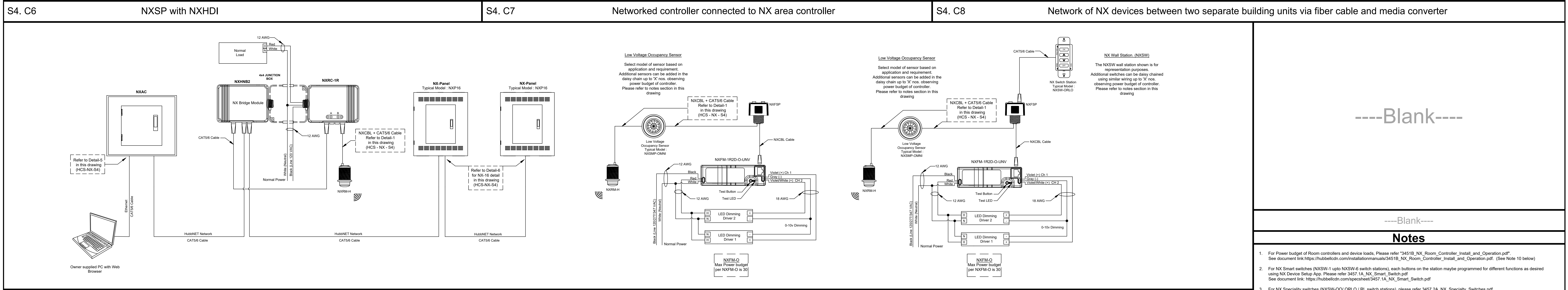
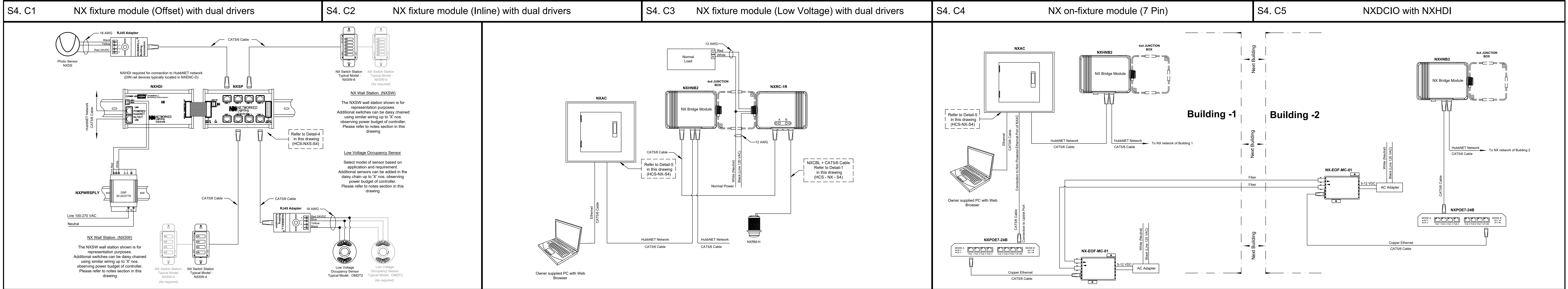
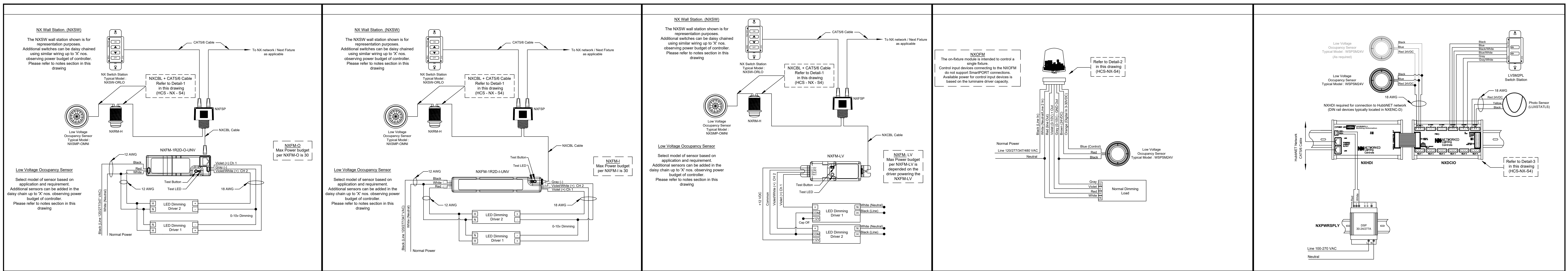
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DATE:  
07/23/2020

DESIGN NO:  
HCS - NX - S3





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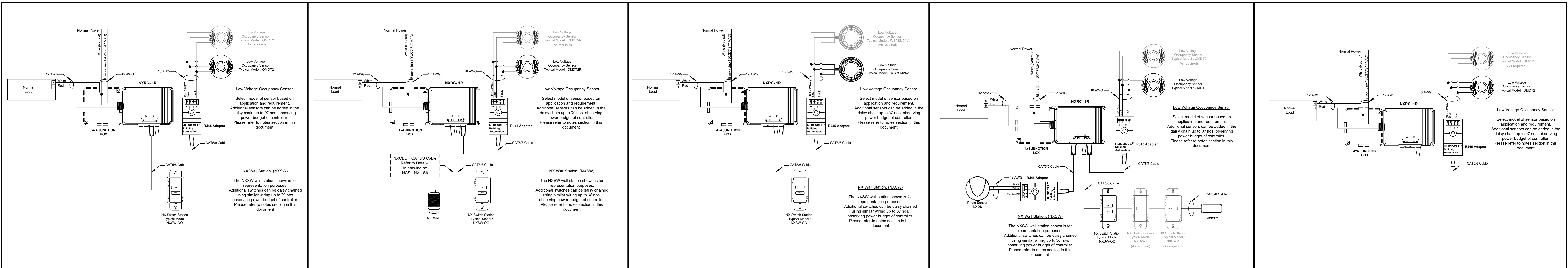
## Notes

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- For NX Smart switches (NXSW-1 upto NXSW-4 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.pdf. See document link: [https://hubbellch.com/specsheet/3457\\_1A\\_NX\\_Smart\\_Switch.pdf](https://hubbellch.com/specsheet/3457_1A_NX_Smart_Switch.pdf).
- For NX Specialty switches (NXSW-DOO ORLO / RL switch stations), please refer 3457 2A\_NX\_Specialty\_Switches.pdf. See document link: [https://hubbellch.com/specsheet/3457\\_2A\\_NX\\_Specialty\\_Switches.pdf](https://hubbellch.com/specsheet/3457_2A_NX_Specialty_Switches.pdf).
- For guide on NX Switch stations, please refer HCS\_NX\_Switch\_Guide.pdf. See document link: [https://hubbellch.com/literature/HCS\\_NX\\_Switch\\_Guide.pdf](https://hubbellch.com/literature/HCS_NX_Switch_Guide.pdf).
- For NX Occupancy sensors, please refer 3458A\_NX\_Ceiling\_Mount\_Occupancy\_Sensors\_Specification\_Sheet.pdf and 3458A\_1\_NX\_Wall\_Mount\_Occupancy\_Sensors\_Specification\_Sheet.pdf. See document link: [https://hubbellch.com/specsheet/3458A\\_1\\_NX\\_Wall\\_Mount\\_Occupancy\\_Sensors\\_Specification\\_Sheet.pdf](https://hubbellch.com/specsheet/3458A_1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf). See document link: [https://hubbellch.com/brochure/HCS\\_NX\\_Sensor\\_B.pdf](https://hubbellch.com/brochure/HCS_NX_Sensor_B.pdf).
- For NX Specialty switches (NXSW-DOO ORLO / RL switch stations), please refer 3457 2A\_NX\_Specialty\_Switches.pdf. See document link: [https://hubbellch.com/specsheet/3457\\_2A\\_NX\\_Specialty\\_Switches.pdf](https://hubbellch.com/specsheet/3457_2A_NX_Specialty_Switches.pdf).
- For NX Brochure, Please see link: [https://hubbellch.com/brochure/HCS\\_NX\\_Brochure.pdf](https://hubbellch.com/brochure/HCS_NX_Brochure.pdf).
- For NX Design Application guide, Please see link: [https://hubbellch.com/brochure/HCS\\_NX\\_Design\\_Application\\_Guide.pdf](https://hubbellch.com/brochure/HCS_NX_Design_Application_Guide.pdf).
- MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.

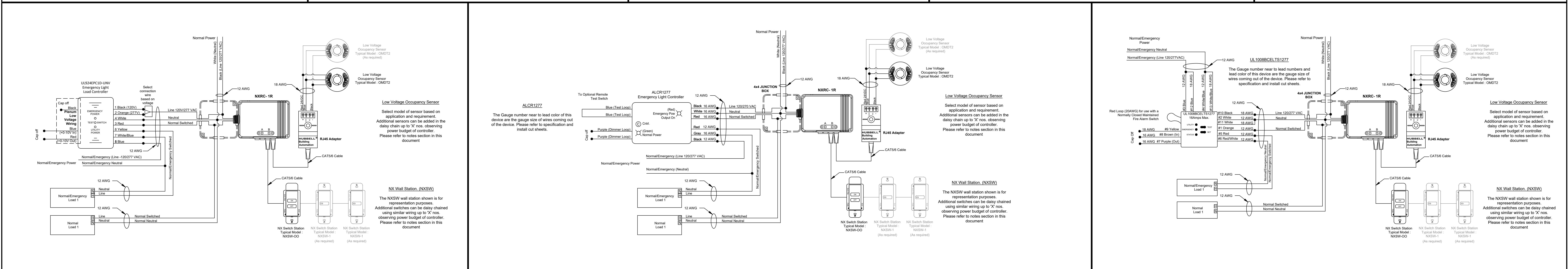
NX Accessory Device Categories		PDU Used to Power Device
NX switch station		-15
NX Single Touch		-1
Analog daylight sensor (photosensor)		-1
Analog PIR only occupancy sensor		-1
Analog PIR only occupancy sensor with RP option		-2
Analog dual technology and ultrasonic occupancy sensor		-3
Analog dual technology and ultrasonic occupancy sensor with RP option		-4
NX digital occupancy and daylight sensors		-3
NX single contact closure module input		-1
NX single contact closure module output		-1
NX radio module		-15
NX audio video module		-1

Rev.	Date	By	TIME	NX TYPICAL CONFIGURATIONS: OTHER NX DEVICES	
SR	08/04/2020				
0					
				SCALE	NTS
				DRAWING / DESIGN NO.	HCS - NX - S4
				701 Millennium Blvd. Greenville, SC 29607	Main Switchboard: (864) 678-1000
					Technical Service: (800) 888-8006
				www.hubbellcontrolsolutions.com	

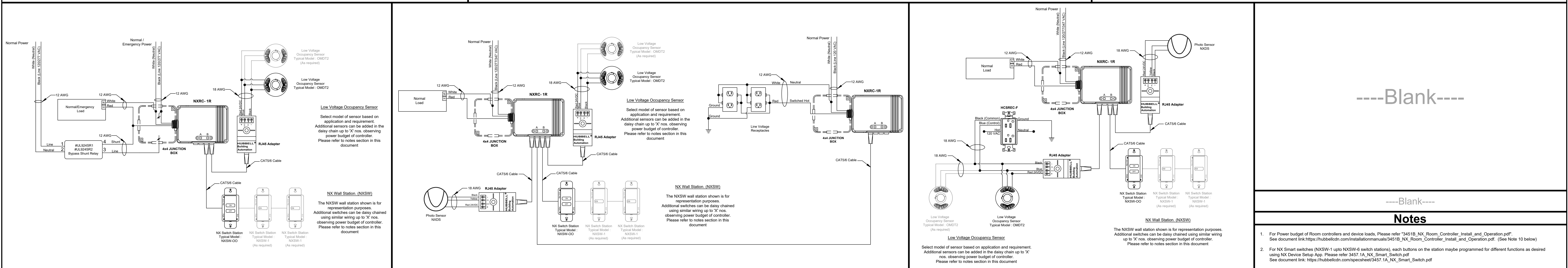




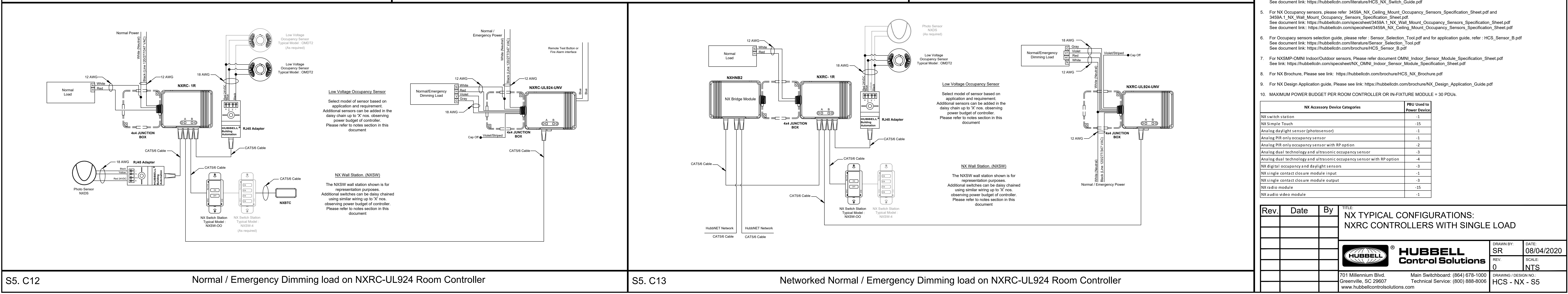
S5. C1 Normal switching load S5. C2 Networked normal switching load S5. C3 Normal switching load with WASP Sensor S5. C4 Normal switching load with NXBTC S5. C5 Occupancy sensor controlled normal switching load



S5. C6 Normal / Emergency load with UL924EPC1D-UNV S5. C7 Normal / Emergency load with ALCR1277 S5. C8 Normal / Emergency load with UL1008BELTS1277



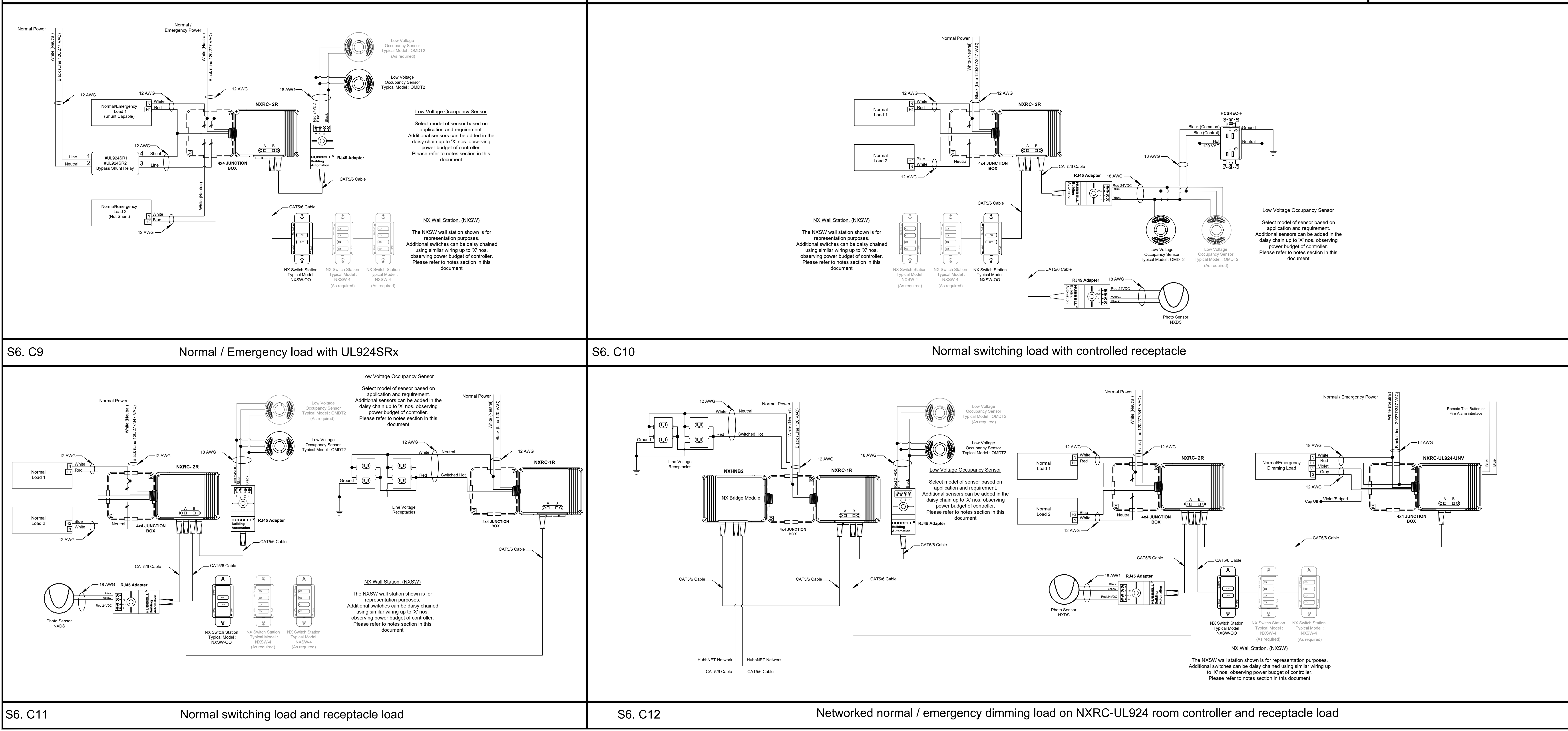
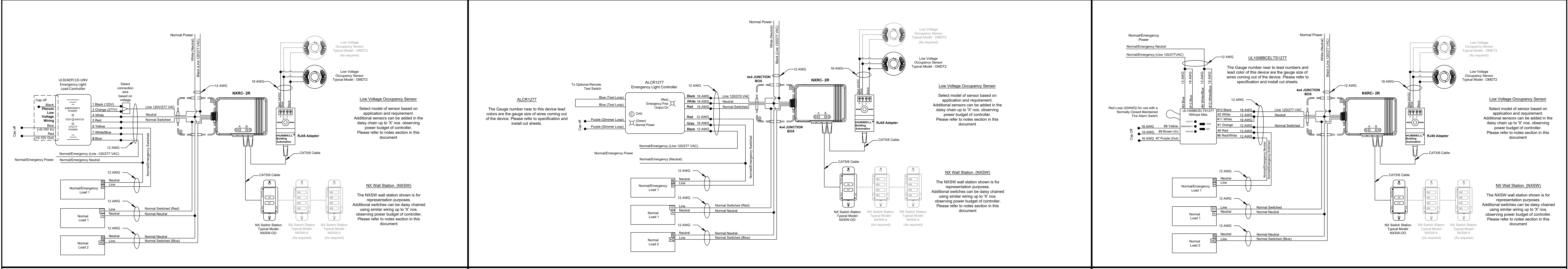
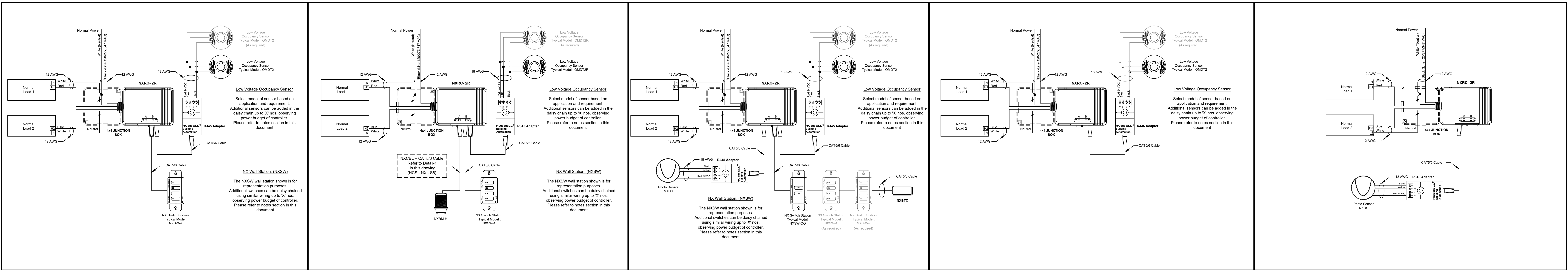
S5. C9 Normal / Emergency load with UL924SRx S5. C10 Normal switching load and receptacle load S5. C11 Normal switching load with controlled receptacle



S5. C12 Normal / Emergency Dimming load on NXRC-UL924 Room Controller S5. C13 Networked Normal / Emergency Dimming load on NXRC-UL924 Room Controller

Notes			
1. For Power budget of Room controllers and device loads, please refer 3451B_NX_Room_Controller_Install_and_Operation.pdf. See document link: <a href="https://hubbell.com/installation/3451B_NX_Room_Controller_Install_and_Operation.pdf">https://hubbell.com/installation/3451B_NX_Room_Controller_Install_and_Operation.pdf</a> . (See Note 10 below)			
2. For NX Smart switches (NXSW-1 up to NXSW-4 switch stations), please refer 3451A_NX_Smart_Switch.pdf. See document link: <a href="https://hubbell.com/installation/3451A_NX_Smart_Switch.pdf">https://hubbell.com/installation/3451A_NX_Smart_Switch.pdf</a>			
3. For NX Specialty switches (NXSW-DO ORLO / R switch stations), please refer 3451A_NX_Specialty_Switches.pdf. See document link: <a href="https://hubbell.com/installation/3451A_NX_Specialty_Switches.pdf">https://hubbell.com/installation/3451A_NX_Specialty_Switches.pdf</a>			
4. For guide on NX Switch stations, please refer HCS_NX_Switch_Guide.pdf. See document link: <a href="https://hubbell.com/installation/HCS_NX_Switch_Guide.pdf">https://hubbell.com/installation/HCS_NX_Switch_Guide.pdf</a>			
5. For NX Occupancy sensors, please refer 3458A_NX_Ceiling_Mount_Occupancy_Sensors_Specification_Sheet.pdf and 3458A_1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf. See document link: <a href="https://hubbell.com/installation/3458A_1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf">https://hubbell.com/installation/3458A_1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf</a>			
6. For Occupancy sensors selection guide, please refer Sensor_Selection_Tool.pdf and for application guide, refer: HCS_Sensor_B.pdf. See document link: <a href="https://hubbell.com/installation/Sensor_Selection_Tool.pdf">https://hubbell.com/installation/Sensor_Selection_Tool.pdf</a>			
7. For NXSPM-OMNI Indoor/Outdoor sensors, please refer document OMNI_Indoor_Sensor_Module_Specification_Sheet.pdf. See link: <a href="https://hubbell.com/installation/OMNI_Indoor_Sensor_Module_Specification_Sheet.pdf">https://hubbell.com/installation/OMNI_Indoor_Sensor_Module_Specification_Sheet.pdf</a>			
8. For NX Brochure, please see link: <a href="https://hubbell.com/brochure/HCS_NX_Brochure.pdf">https://hubbell.com/brochure/HCS_NX_Brochure.pdf</a>			
9. For NX Design Application guide, please see link: <a href="https://hubbell.com/brochure/NX_Design_Application_Guide.pdf">https://hubbell.com/brochure/NX_Design_Application_Guide.pdf</a>			
10. MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.			
NX Accessory Device Categories			
			PDU Used to Power Device
NX switch station			-15
NX Single Touch			-1
Analog daylight sensor (photosensor)			-1
Analog PIR only occupancy sensor			-1
Analog PIR only occupancy sensor with RP option			-2
Analog dual technology and ultrasonic occupancy sensor			-3
Analog dual technology and ultrasonic occupancy sensor with RP option			-4
NX digital occupancy and daylight sensor			-3
NX single contact closure module input			-1
NX single contact closure module output			-1
NX radio module			-15
NX audio video module			-1
Rev.	Date	By	TIME
NX TYPICAL CONFIGURATIONS: NXRC CONTROLLERS WITH SINGLE LOAD			
		HUBBELL Control Solutions	DRAWN BY: DATE: 08/04/2020
			SCALE: NTS
		701 Millennium Blvd. Greenville, SC 29607 www.hubbellcontrolsolutions.com	Main Switchboard: (864) 678-1000 Technical Service: (800) 888-8006 DRAWING / DESIGN NO.: HCS - NX - S5





### Details

Note:

- To connect an NXSMP or NXRM-H radio to a T568 standard CAT5/6 cable using an RJ45 connector it is necessary to use the NXCBP-10 plenum accessory cable to bridge the sensor to the CAT5/6 connector.
- NXSMP sensors and NXRM-H radios have two connection terminals to achieve daisy chaining to other NXFX devices.

### Detail-1 : NXRM-H/NXSMP to CAT5/6 cable

### Notes

- For Power budget of Room controllers and device loads, Please refer "3451B\_NX\_Room\_Controller\_Install\_and\_Operation.pdf". See document link: [https://hubbell.com/installation/3451B\\_NX\\_Room\\_Controller\\_Install\\_and\\_Operation.pdf](https://hubbell.com/installation/3451B_NX_Room_Controller_Install_and_Operation.pdf). (See Note 10 below)
- For NX Smart switches (NXSW-1 upto NXSW-6 switch stations), each buttons on the station may be programmed for different functions as desired using NX Device Setup App. Please refer 3457.1A\_NX\_Smart\_Switch.pdf. See document link: [https://hubbell.com/specsheet/3457.1A\\_NX\\_Smart\\_Switch.pdf](https://hubbell.com/specsheet/3457.1A_NX_Smart_Switch.pdf)
- For NX Specialty switches (NXSW-DO ORLO / RL switch stations), please refer 3457.2A\_NX\_Specialty\_Switches.pdf. See document link: [https://hubbell.com/specsheet/3457.2A\\_NX\\_Specialty\\_Switches.pdf](https://hubbell.com/specsheet/3457.2A_NX_Specialty_Switches.pdf)
- For guide on NX Switch stations, please refer HCS\_NX\_Switch\_Guide.pdf. See document link: [https://hubbell.com/literature/HCS\\_NX\\_Switch\\_Guide.pdf](https://hubbell.com/literature/HCS_NX_Switch_Guide.pdf)
- For NX Occupancy sensors, please refer 3458A\_NX\_Ceiling\_Mount\_Occupancy\_Sensors\_Specification\_Sheet.pdf and 3458A.1\_NX\_Wall\_Mount\_Occupancy\_Sensors\_Specification\_Sheet.pdf. See document link: [https://hubbell.com/specsheet/3458A.1\\_NX\\_Wall\\_Mount\\_Occupancy\\_Sensors\\_Specification\\_Sheet.pdf](https://hubbell.com/specsheet/3458A.1_NX_Wall_Mount_Occupancy_Sensors_Specification_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://hubbell.com/specsheet/3458A.1\\_NX\\_Wall\\_Mount\\_Occupancy\\_Sensors\\_Specification\\_Sheet.pdf](https://hubbell.com/specsheet/3458A.1_NX_Wall_Mount_Occupancy_Sensors_Specification_Sheet.pdf)
- For NXSMP-OMNI Indoor/Outdoor sensors, Please refer document OMNI\_Indoor\_Sensor\_Module\_Specification\_Sheet.pdf. See link: [https://hubbell.com/brochure/NXSMP-OMNI\\_Indoor\\_Sensor\\_Module\\_Specification\\_Sheet.pdf](https://hubbell.com/brochure/NXSMP-OMNI_Indoor_Sensor_Module_Specification_Sheet.pdf)
- For NX Brochure, Please see link: [https://hubbell.com/brochure/HCS\\_NX\\_Brochure.pdf](https://hubbell.com/brochure/HCS_NX_Brochure.pdf)
- For NX Design Application guide, Please see link: [https://hubbell.com/brochure/NX\\_Design\\_Application\\_Guide.pdf](https://hubbell.com/brochure/NX_Design_Application_Guide.pdf)
- MAXIMUM POWER BUDGET PER ROOM CONTROLLER OR IN-FIXTURE MODULE = 30 PDUs.

NX Accessory Device Categories	PDU Used to Power Device
NX wall station	-
NX Single Touch	-15
Analog daylight sensor (photosensor)	-1
Analog PIR only occupancy sensor	-1
Analog PIR only occupancy sensor with RP option	-2
Analog dual technology and ultrasonic occupancy sensor	-3
Analog dual technology and ultrasonic occupancy sensor with RP option	-4
NX digital occupancy and daylight sensors	-3
NX single contact closure module input	-1
NX single contact closure module output	-1
NX radio module	-15
NX audio video module	-1

Rev.	Date	By	TIME

### NX TYPICAL CONFIGURATIONS: NXRC CONTROLLERS WITH DUAL LOAD

701 Millennium Blvd. Greenville, SC 29607  
Main Switchboard: (864) 678-1000  
Technical Service: (800) 888-8006  
www.hubbellcontrolsolutions.com

DRAWN BY: SR  
REV: 0  
SCALE: NTS  
DATE: 08/04/2020  
DRAWING / DESIGN NO: HCS - NX - S6