TYPICAL OF OFFICE

POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL
REFER TO OPTIONS BELOW

NOTE: USE METAL SURFACE MOUNTING KIT
PICO-MOUNT-BL-CPN677A
FOR MOUNTING PICO CONTROLS
TO METAL STOREFRONTS

AS REQUIRED

LRF2-VCR2B-P-WH
434MHZ WIRELESS
VACANCY SENSOR
3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED

LOCATION TBD
(OPTION:WITH L-CRMK-WH
RECESS MOUNT KIT FOR
NON-METALLIC CEILINGS)

AS REQUIRED

PJ2-2BRL-GBL-L01
434 MHZ PICO WIRELESS
2 BUTTON CONTROL WITH RAISE/LOWER
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

TYPICAL CLASSROOM

POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL
REFER TO OPTIONS BELOW

NOTE: USE METAL SURFACE MOUNTING KIT
PICO-MOUNT-BL-CPN677A
FOR MOUNTING PICO CONTROLS
TO METAL STOREFRONTS

AS REQUIRED

LRF2-OCR2B-P-WH
434MHZ WIRELESS
OCCUPANCY/VACANCY SENSOR
3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD
(OPTION:WITH L-CRMK-WH
RECESS MOUNT KIT FOR
NON-METALLIC CEILINGS)

AS REQUIRED

LRF2-DCRB-WH
434MHZ WIRELESS
DAYLIGHT SENSOR
1.6"[40,6mm] (DIA) X 0.7"[17,8mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD

AS REQUIRED

PJ2-2BRL-GBL-L01
434 MHZ PICO WIRELESS
2 BUTTON CONTROL WITH RAISE/LOWER
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

TYPICAL OF MEP SPACES

POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL
REFER TO OPTIONS BELOW

NOTE: USE METAL SURFACE MOUNTING KIT
PICO-MOUNT-BL-CPN677A
FOR MOUNTING PICO CONTROLS
TO METAL STOREFRONTS

AS REQUIRED

LRF2-OCR2B-P-WH
434MHZ WIRELESS
OCCUPANCY/VACANCY SENSOR
3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD
(OPTION:WITH L-CRMK-WH
RECESS MOUNT KIT FOR
NON-METALLIC CEILINGS)

AS REQUIRED

PJ2-2B-GBL-L01
434 MHZ PICO WIRELESS
2 BUTTON CONTROL
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

TYPICAL OF CONFERENCE ROOM

POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL
REFER TO OPTIONS BELOW

NOTE: USE METAL SURFACE MOUNTING KIT
PICO-MOUNT-BL-CPN677A
FOR MOUNTING PICO CONTROLS
TO METAL STOREFRONTS

AS REQUIRED

LRF2-VCR2B-P-WH
434MHZ WIRELESS
VACANCY SENSOR
3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED

LOCATION TBD
(OPTION:WITH L-CRMK-WH
RECESS MOUNT KIT FOR
NON-METALLIC CEILINGS)

AS REQUIRED

PJ2-2BRL-GBL-L01
434 MHZ PICO WIRELESS
2 BUTTON CONTROL WITH RAISE/LOWER
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

OR

AS REQUIRED

PJ2-4B-GBL-L31
434 MHZ PICO WIRELESS
4 BUTTON CONTROL
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

TYPICAL OF KITCHEN

POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL
REFER TO OPTIONS BELOW

NOTE: USE METAL SURFACE MOUNTING KIT
PICO-MOUNT-BL-CPN677A
FOR MOUNTING PICO CONTROLS
TO METAL STOREFRONTS

AS REQUIRED

LRF2-OCR2B-P-WH
434MHZ WIRELESS
OCCUPANCY/VACANCY SENSOR
3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD
(OPTION:WITH L-CRMK-WH
RECESS MOUNT KIT FOR
NON-METALLIC CEILINGS)

AS REQUIRED

LRF2-DCRB-WH
434MHZ WIRELESS
DAYLIGHT SENSOR
1.6"[40,6mm] (DIA) X 0.7"[17,8mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD

AS REQUIRED
FOR MANUAL OVERRIDE

PJ2-2B-GBL-L01
434 MHZ PICO WIRELESS
2 BUTTON CONTROL
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

TYPICAL OF HALLWAY, LOBBY

POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL
REFER TO OPTIONS BELOW

NOTE: USE METAL SURFACE MOUNTING KIT
PICO-MOUNT-BL-CPN677A
FOR MOUNTING PICO CONTROLS
TO METAL STOREFRONTS

THESE AREAS WILL BE
CONTROLLED BY TIMECLOCK

OR

AS REQUIRED

LRF2-OCR2B-P-WH
434MHZ WIRELESS
OCCUPANCY/VACANCY SENSOR
3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD
(OPTION:WITH L-CRMK-WH
RECESS MOUNT KIT FOR
NON-METALLIC CEILINGS)

AS REQUIRED
FOR MANUAL OVERRIDE

PJ2-2B-GBL-L01
434 MHZ PICO WIRELESS
2 BUTTON CONTROL
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

AS REQUIRED
MAX OF 10 PER QSM

LRF2-DCRB-WH
434MHZ WIRELESS
DAYLIGHT SENSOR
1.6"[40,6mm] (DIA) X 0.7"[17,8mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD

TYPICAL OF LOUNGE

POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL
REFER TO OPTIONS BELOW

NOTE: USE METAL SURFACE MOUNTING KIT
PICO-MOUNT-BL-CPN677A
FOR MOUNTING PICO CONTROLS
TO METAL STOREFRONTS

AS REQUIRED

LRF2-OCR2B-P-WH
434MHZ WIRELESS
OCCUPANCY/VACANCY SENSOR
3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD
(OPTION:WITH L-CRMK-WH
RECESS MOUNT KIT FOR
NON-METALLIC CEILINGS)

AS REQUIRED

LRF2-DCRB-WH
434MHZ WIRELESS
DAYLIGHT SENSOR
1.6"[40,6mm] (DIA) X 0.7"[17,8mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD

AS REQUIRED
TO BE LOCATED AT COMMUNITY DESK OR ENTRY

PJ2-4B-GBL-L31
434 MHZ PICO WIRELESS
4 BUTTON CONTROL
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

TYPICAL OF PRINTER

POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL
REFER TO OPTIONS BELOW

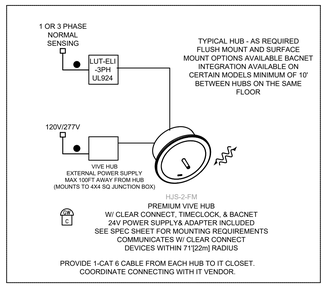
NOTE: USE METAL SURFACE MOUNTING KIT
PICO-MOUNT-BL-CPN677A
FOR MOUNTING PICO CONTROLS
TO METAL STOREFRONTS

AS REQUIRED

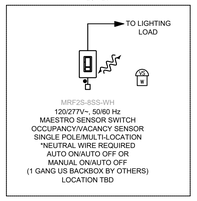
LRF2-OCR2B-P-WH
434MHZ WIRELESS
OCCUPANCY/VACANCY SENSOR
3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D)
MAX 10 PER QSM
*DEVICE IS SURFACE-MOUNTED AND
BATTERY POWERED, DOES NOT
REQUIRE POWER FEED
LOCATION TBD
(OPTION:WITH L-CRMK-WH
RECESS MOUNT KIT FOR
NON-METALLIC CEILINGS)

AS REQUIRED

PJ2-2BRL-GBL-L01
434 MHZ PICO WIRELESS
2 BUTTON CONTROL WITH RAISE/LOWER
SHOWN WITH CW-1-WH
CLARO WALLPLATE
*SEE SPECIFICATION SHEET FOR
DIMENSIONS, ENGRAVING OPTIONS,
& MOUNTING INSTRUCTIONS
LOCATION TBD

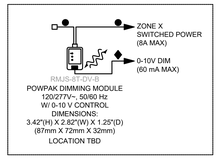


AS REQUIRED PER ZONE
FOR CONTROL OF NON-DIM LOADS
ZONES:

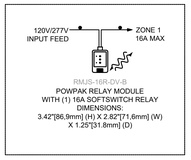


TYPICAL VIVE LOAD CONTROLLERS (POWER PACK)

AS REQUIRED PER ZONE
FOR CONTROL OF 0-10V LOADS



AS REQUIRED PER ZONE
FOR CONTROL OF NON-DIM LOADS



TYPICAL SENSORS & REMOTE CONTROLS CAN BE A MAX OF 30' TO LOAD DEVICES - MAX OF 71' FROM VIVE HUB AND LOCATED ON THE SAME FLOOR

TYPICAL LOAD DEVICES CAN BE A MAX OF 71' FROM VIVE HUB AND LOCATED ON SAME FLOOR

TYPICAL WALLBOX LOAD CONTROLS CAN BE A MAX OF 71' FROM VIVE HUB AND LOCATED ON SAME FLOOR

UPON LOSS OF NORMAL POWER THE LUT-ELI-UL924 RELAY SHALL DISABLE ALL DIMMING FUNCTION UNTIL NORMAL POWER IS RESTORED, COORDINATE PROGRAMMING AND TESTING WITH THE FACILITY MANAGEMENT,

WIRING LEGEND:

- INPUT POWER (NORMAL)
- 2 #12AWG (4 mm^2)
- 0-10V SIGNAL: 2 #18AWG (1.0 mm^2)
- E CAT5E OR BETTER CABLE FOR LUTRON NETWORK TERMINATED WITH RJ45 CONNECTORS (TO BE PROVIDED BY OTHERS). 328 ft (100 m) MAXIMUM RUN
- 1-WAY RF COMMUNICATION
- 2-WAY RF COMMUNICATION

CONCEPT DRAWING NOTES:
CONTROL SYSTEM DRAWING IS PROVIDED FOR CONCEPTUAL PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION. EXACT EQUIPMENT REQUIREMENTS, INCLUDING LOCATIONS AND QUANTITIES, SHOULD BE VERIFIED IN ACCORDANCE WITH THE MOST UP-TO-DATE LIGHTING/ELECTRICAL REFLECTED CEILING PLANS, LIGHTING FIXTURE SCHEDULES, PANEL SCHEDULES, CONTROL INTENT AND SPECIFICATIONS. SHADE EQUIPMENT SHOULD BE VERIFIED IN ACCORDANCE WITH ARCHITECTURAL PLANS, SPECIFICATIONS AND WINDOW SCHEDULES/DETAILS.

LED DIMMING REQUIRES AN EXACT MATCH BETWEEN THE LED ARRAY, DRIVER AND CONTROL. LUTRON CANNOT GUARANTEE COMPATIBILITY OR PERFORMANCE WITHOUT TESTING THIS COMBINATION.

TO CONFIRM WHAT PRODUCTS LUTRON HAS AVAILABLE OR WHAT INTERFACES MAY BE REQUIRED, CALL 1-877-DIM-LEDS OR CHECK LUTRON'S PRODUCT COMPATIBILITY MATRIX ON-LINE AT WWW.LUTRON.COM/LED.

TO REQUEST THE TESTING OF AN LED PRODUCT BY LUTRON MANUFACTURERS CAN FILL OUT AN LED EVALUATION REQUEST FORM ON-LINE AT WWW.LUTRON.COM/LED OR CONTACT LEDS@LUTRON.COM.

LUTRON CAN GUARANTEE COMPATIBILITY AND PERFORMANCE OF LUTRON HI-LUME A-SERIES LED DRIVERS USED WITH APPROPRIATE LUTRON CONTROLS. THE HI-LUME A-SERIES LED DRIVER CAN BE USED ON PRODUCTS UNDER 40 WATTS WITH SUITABLE MOUNTING LOCATIONS. PLEASE REFER TO THE SPECIFICATION SUBMITTAL SHEET FOR FURTHER INFORMATION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING 0-10V CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. PRODUCTS FOLLOWING THE IEC STANDARD 60929 ARE MORE LIKELY TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS. DETERMINATION OF RESULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING PHASE CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. A-SERIES OR ELV PRODUCTS PROVIDING HIGH END AND LOW END TRIM ADJUSTMENTS ARE MORE LIKELY TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS. DETERMINATION OF RESULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

LIGHTING CONTROL NOTES:

1. PROVIDE ALL COMPONENTS AND ACCESSORIES REQUIRED FOR A FULLY FUNCTIONING LIGHTING CONTROLS AS INDICATED.
2. ELECTRICAL CONTRACTOR AND GENERAL CONTRACTOR TO PERFORM EMERGENCY LIGHTING TEST AFTER INSTALLATION WITNESSED BY OWNER REPRESENTATIVE.
2. ELECTRICAL CONTRACTOR SHALL OBTAIN THE SERVICES OF THE LIGHTING CONTROL VENDOR TO COMMISSION THE CONTROL SYSTEM IN THE PRESENCE OF THE OWNER REPRESENTATIVE. CONTRACTOR TO PROVIDE DETAIL REPORT UPON COMPLETION OF TESTING OF ALL DEVICES.
3. ALL OFFICES, CONFERENCE ROOMS, & LOUNGES SHALL BE CONTROLLED BY VACANCY SENSORS.
4. OCCUPANCY SENSORS:
   - 4.1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE APPROPRIATE OCCUPANCY & VACANCY SENSOR DEVICE FOR THE GIVEN VOLTAGE AND MAXIMUM/MINIMUM LOAD CONDITION.
   - 4.2. EXACT LOCATION OF SENSOR SHALL BE COORDINATED BY THE CONTRACTOR FOR OPTIMUM COVERAGE. CONTRACTOR SHALL INSTALL FIELD-OF-VIEW TEMPLATES, AS REQUIRED, TO MASK THE VIEWING LENS TO PREVENT FALSE TRIGGERING FOR AUTO-ON OPERATION.
   - 4.3. FINAL LOCATION OF ALL WALL OR CEILING MOUNTED SENSORS SHALL BE COORDINATED WITH MANUFACTURER INSTALLATION DRAWING AND APPROVED SHOP DRAWINGS.
   - 4.4. ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION WITH THE APPROVED LIGHTING FIXTURE SUBMITTAL AND LIGHTING CONTROLS APPROVED SHOP DRAWINGS PRIOR TO INSTALLING ANY LIGHTING CONTROLS.
   - 4.5. WHERE ZONES ARE NOTED, WIRE THESE FIXTURES TO THE DESIGNATED POWPAK MODULE AND CIRCUITING.
   - 4.6. ALL SWITCHES, DIMMERS AND SCENE CONTROL STATIONS MUST BE PROGRAMMED PRIOR TO TURNING SITE OVER TO REGENERON. COORDINATE SCENE SETTINGS WITH OWNER REPRESENTATIVE.
5. FOR LIGHTING CONTROL ZONES, REFER TO DRAWING E-602.
6. FOR HALLWAY/CORRIDOR, PROVIDE DEDICATED OVERRIDE SWITCH. OVERRIDE FINAL OVERRIDE SWITCH LOCATION SHALL BE COORDINATED WITH THE ARCHITECT.

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NYS

This plan is approved only for work indicated on the application specification sheet. All other matters shown are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

Alterations or additions to this engineering document by an unlicensed person is a violation of Chapter 16, Title VIII, Article 145 § 7209.2 of the New York State Education Law.

REGENERON
REAL ESTATE &
FACILITIES MANAGEMENT

777 Old Saw Mill River Road
Tarrytown, NY 10591-6707
T: 914.847.7400
F: 914.847.7991
www.regeneron.com

Building #17
Campus Expansion Child
Day-care Center

899 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect
Gensler
1700 Broadway, Suite 400
New York, NY 10019
(212) 492-1400 Phone
(212) 492-1472 Fax

Structural Engineer

Thornton Tomasetti
120 Broadway, 15th Floor
New York, NY 10271
(917) 661-7800 Phone
(917) 661-7801 Fax

MEP / IT / Security Engineer

Cosentini Associates
498 Seventh Avenue
New York, NY 10018
(212) 615-3600 Phone
(212) 615-3700 Fax

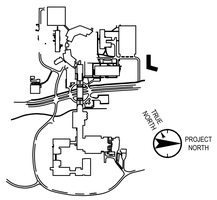
Civil Engineer

JMC
120 Bedford Road
Armonk, NY 10504
(914) 273-5225 Phone
(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No.	Date	Description
0	05.20.2022	ISSUED FOR PERMIT
1	06.20.2022	100% CONSTRUCTION DOCUMENTS
2	07.01.2022	100% CONSTRUCTION DOCUMENTS-1

Plot Date: 07.01.2022

ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE COPYRIGHTED WORK AND ARE THE SOLE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR CORIED IN WHOLE OR IN PART, NOR MAY ANY OF THE DRAWINGS OR WRITTEN MATERIALS APPEARING WITHIN, BE INCORPORATED INTO ANOTHER WORK FOR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THIS SHEET MUST BE RETURNED UPON THE REQUEST OF REGENERON PHARMACEUTICALS. IF REGENERON MAKES OR AUTHORIZES REUSE OF ANY SUCH DOCUMENTS OR INFORMATION PRODUCED BY DESIGN PROFESSIONAL OUTSIDE OF THE PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF DESIGN PROFESSIONAL, REGENERON ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH REUSE.

Professional Seal and Signature

Vendor Name: COSENTINI
Vendor Project No.: 210104
Discipline: Electrical Drawn By: AI

ELECTRICAL
DETAIL SHEET 4

Scale: NTS Floor:

E-503

© 11/16/21 REGENERON PHARMACEUTICALS INC.