

WIRING LEGEND:

- INPUT POWER (NORMAL-EMERGENCY)
- INPUT POWER (NORMAL)
- 2#12AWG (4 mm²)
- 0-10V SIGNAL: 2#18AWG (1.0 mm²)
- 0-10V SIGNAL: 2#18AWG (1.0 mm²)
- ECOSYSTEM BUS LOOP
- LUTRON CABLE COLOR GR 1 (2 #16 CONDUCTOR NON-PLUMBIUM) OR C-PSB-216-CL-1 (2 #16 CONDUCTOR PLUMBIUM RATED). OTHERWISE USE 2 #16 AWG (1.5 mm²) BY OTHERS.
- CATE OR BETTER CABLE FOR LUTRON NETWORK, TERMINATED WITH RJ45 CONNECTORS (TO BE PROVIDED BY OTHERS). 328 ft (100 m) MAXIMUM RUN.

WIRING NOTES:

LUTRON LIGHTING MANAGEMENT NETWORK

WHEN A LIGHTING MANAGEMENT NETWORK (LMN) IS REQUIRED TO ENABLE COMMUNICATIONS BETWEEN INDIVIDUAL LIGHT MANAGEMENT HUBS (LMH) AND BETWEEN LMH AND THE SYSTEM SERVER/DESKTOP/LAPTOP (D/MANAGER), THE LMN REQUIRES A DEDICATED LAN OR WLAN. IT IS THE RESPONSIBILITY OF THE NETWORK PROVIDER TO ENSURE THE RELIABILITY AND SECURITY OF THE LMN.

CATE OR BETTER ETHERNET CABLE TO BE RUN FOR DEDICATED LMN TERMINATED WITH RJ45 CONNECTORS (PROVIDED BY OTHERS). THE NUMBER OF ETHERNET HOP/SEGMENTS BETWEEN THE SERVER/DESKTOP/LAPTOP (D/MANAGER) AND ANY LMN NODE SHALL NOT EXCEED 6. TOTAL LENGTH OF ETHERNET CABLE SHALL NOT EXCEED 528 FT (160M POINT-TO-POINT).

IF LONGER RUNS ARE REQUIRED, MULTI-MODE FIBER OPTIC CABLE CAN BE USED INSTEAD WITH APPROPRIATE FIBER OPTIC CONNECTORS (PROVIDED BY OTHERS). CONSULT WITH NETWORK PROVIDER FOR STANDARD ETHERNET AND FIBER OPTIC WIRING RULES FOR DISTANCE AND SEPARATION AS WELL AS FOR PLACEMENT OF SWITCHES, ROUTERS, HUBS, ETC.

FOR MORE INFORMATION REGARDING NETWORK EQUIPMENT REQUIREMENTS AND NETWORK CONFIGURATION, PLEASE REFER TO THE QUANTUM LIGHTING MANAGEMENT NETWORK SPECIFICATION SHEET OR CONTACT LUTRON.

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 INVENT 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-DM-LIB OR CHECK LUTRON'S PRODUCT COMPATIBILITY MATRIX ONLINE AT WWW.LUTRON.COM/LED.

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

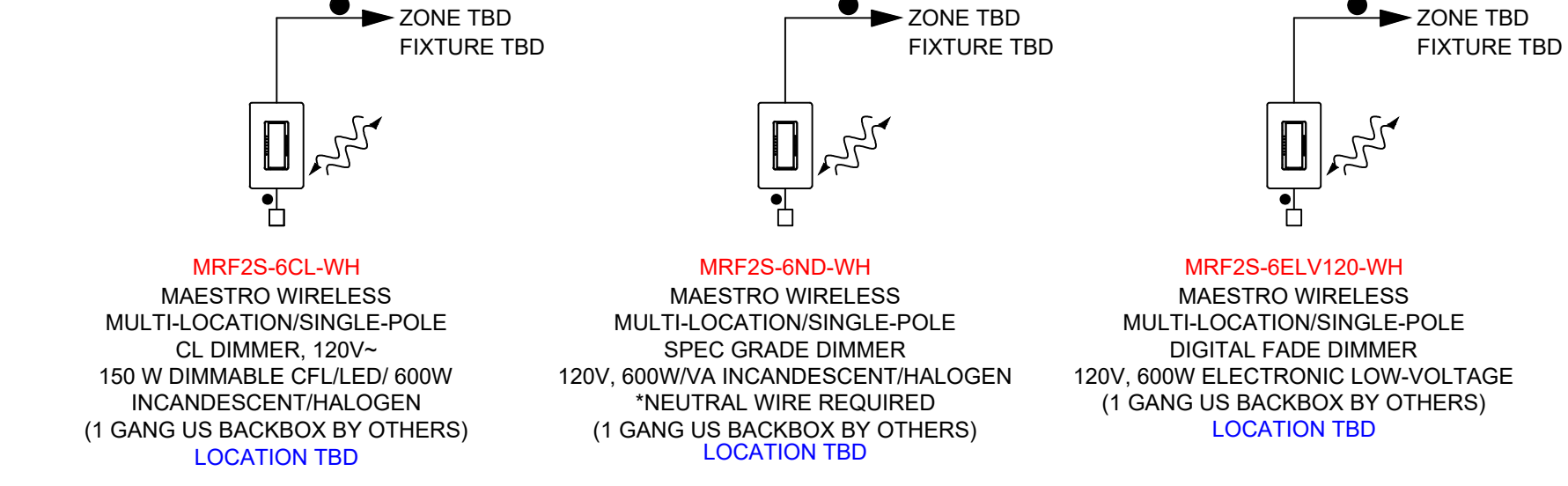
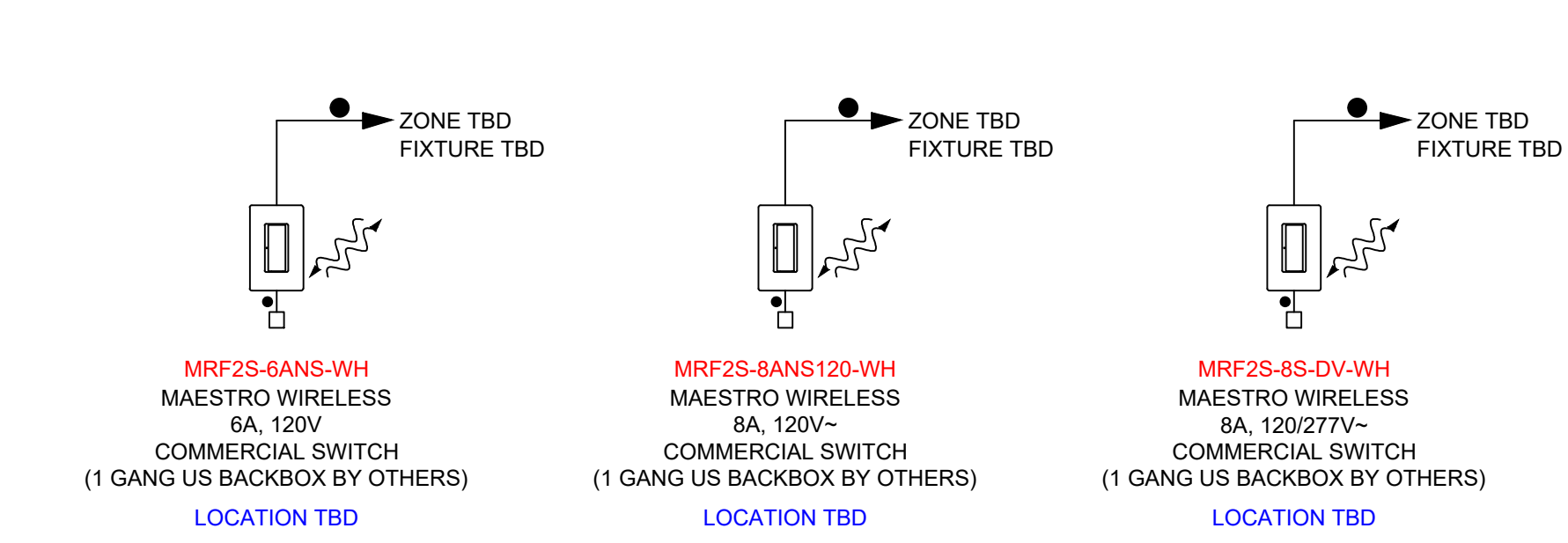
LUTRON CAN GUARANTEE COMPATIBILITY AND PERFORMANCE OF LUTRON H-LUME A-SERIES LED DRIVERS USED WITH APPROPRIATE LUTRON CONTROLS. THE H-LUME A-SERIES LED DRIVER CAN BE USED ON PRODUCTS UNDER 40 WATTS WITH SUITABLE MOUNTING LOCATIONS. PLEASE REFER TO THE SPECIFICATION SUBMITTAL SHEET FOR FURTHER INFORMATION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING 0-10V CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. PRODUCTS FOLLOWING THE IEC STANDARD 60595 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 ELY 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.

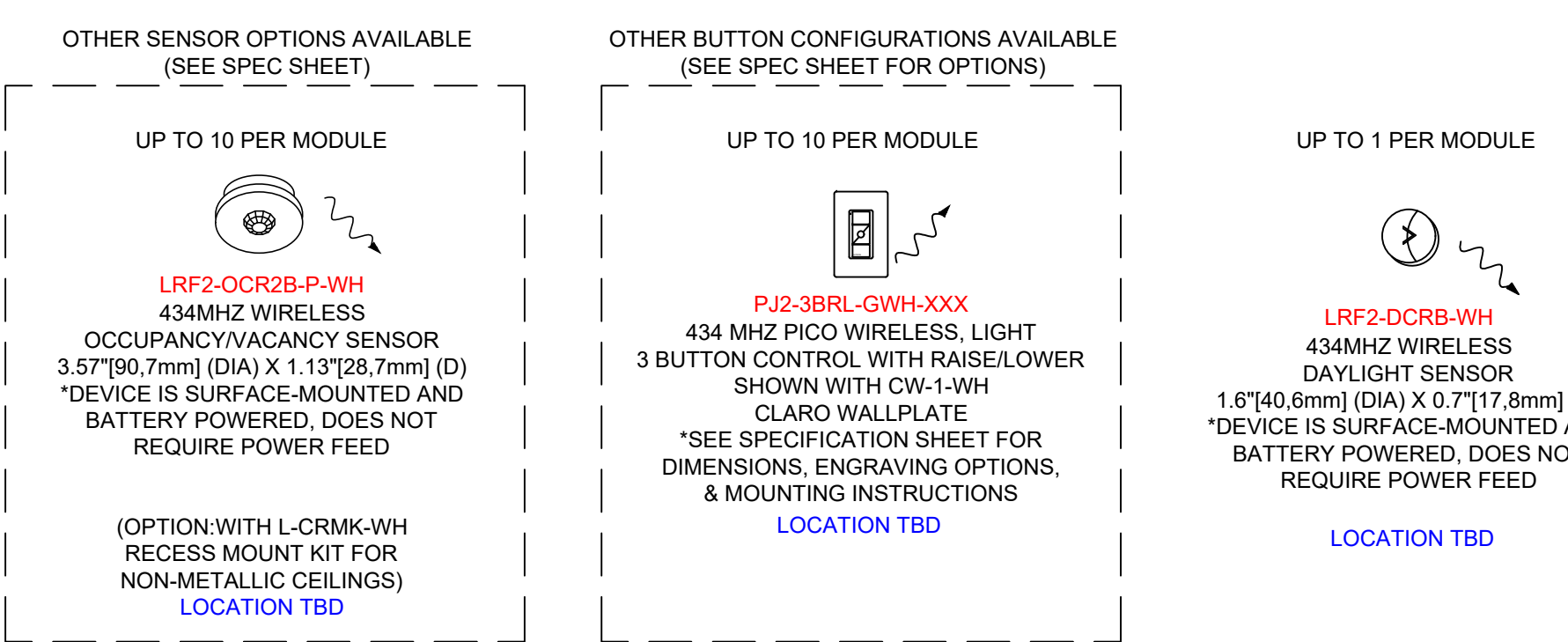
TYPICAL WALLBOX LOAD CONTROLS

MAX OF 71° FROM VIVE HUB AND LOCATED ON SAME FLOOR



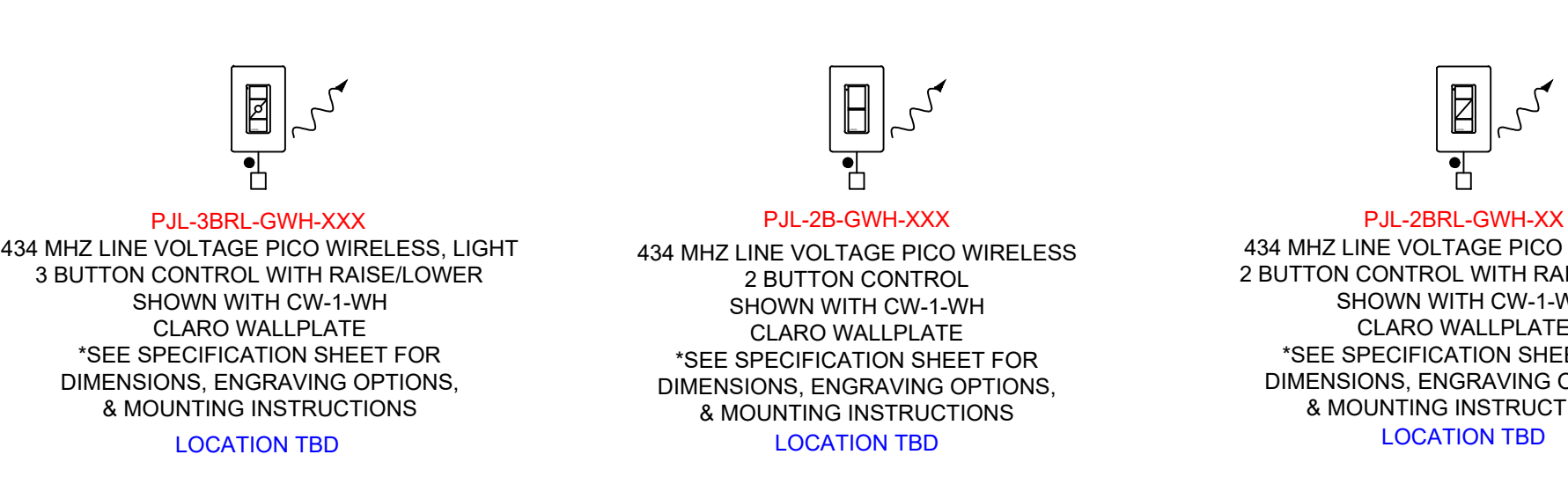
TYPICAL SENSORS & REMOTE CONTROLS

MAX OF 30° TO LOAD DEVICES - MAX OF 71° FROM VIVE HUB AND LOCATED ON THE SAME FLOOR



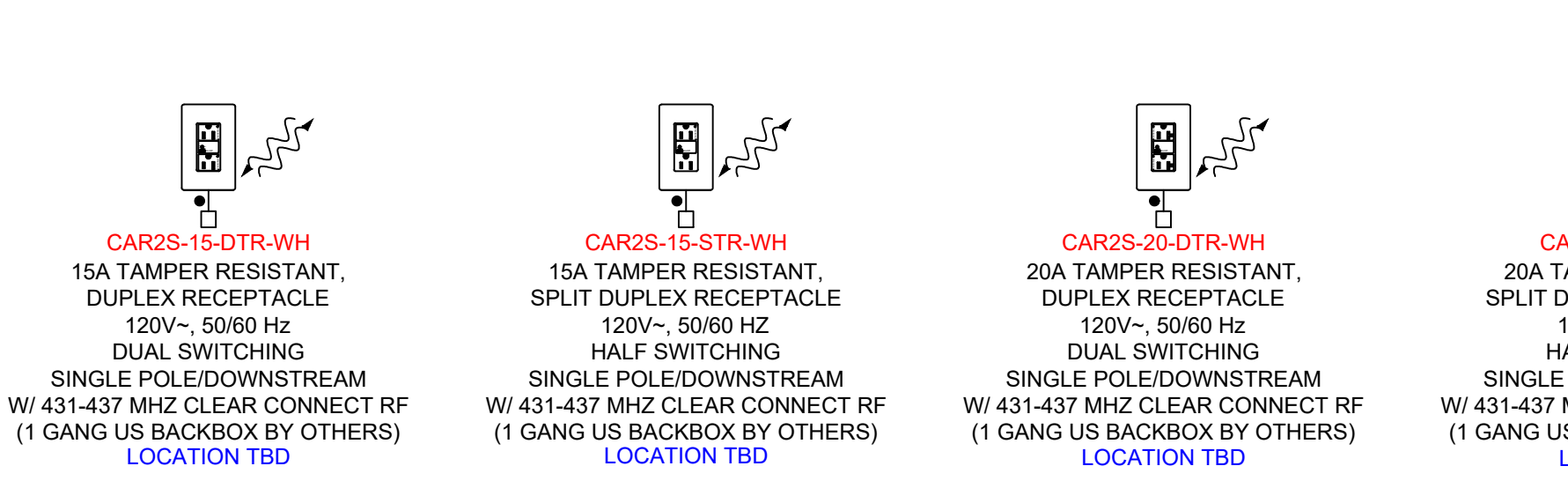
TYPICAL LINE VOLTAGE POWERED PICO REMOTES

MAX OF 30° TO LOAD DEVICES - MAX OF 71° FROM VIVE HUB AND LOCATED ON THE SAME FLOOR



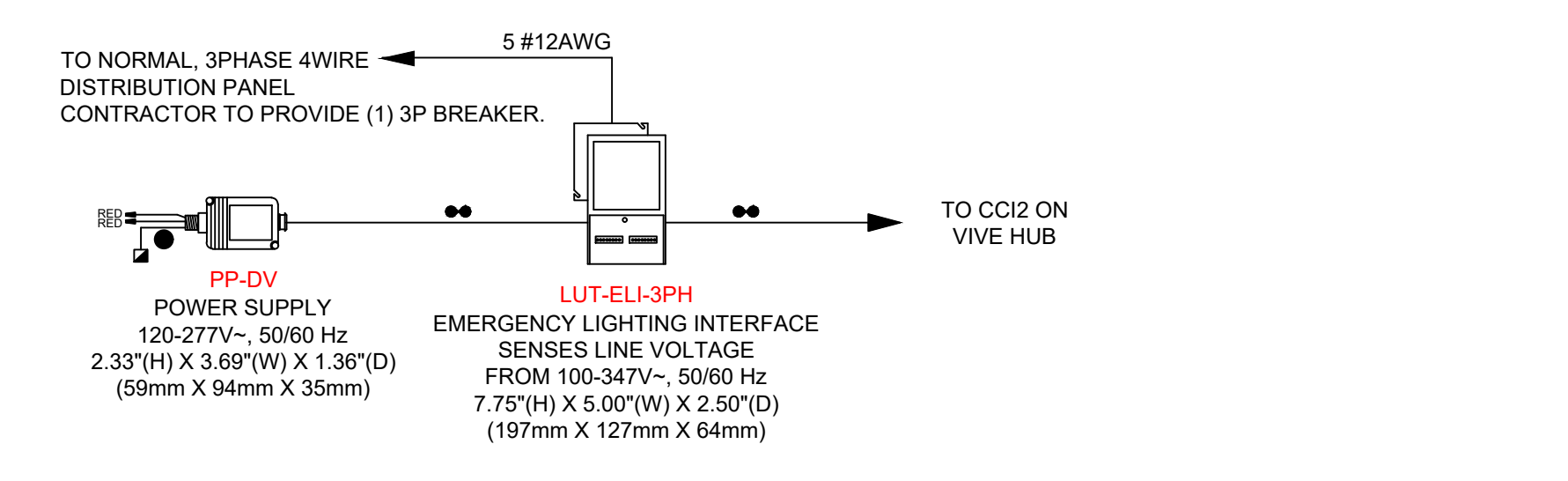
TYPICAL WIRELESS RECEPTABLES

MAX OF 71° FROM VIVE HUB AND LOCATED ON SAME FLOOR



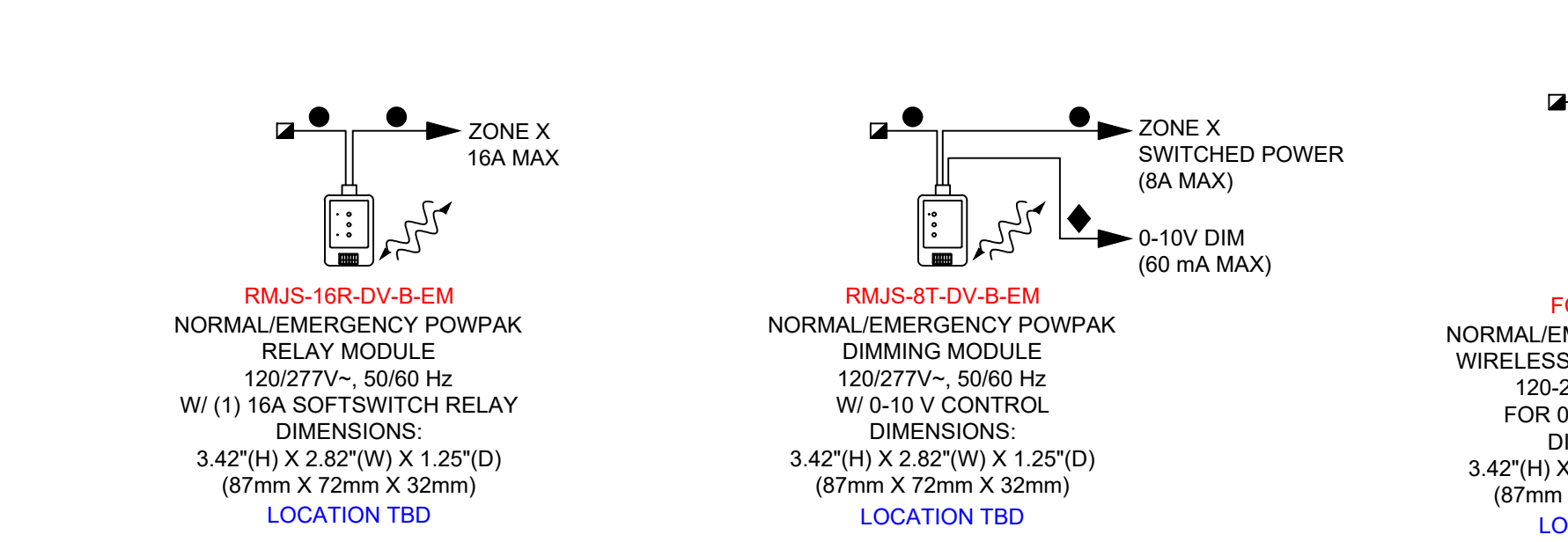
TYPICAL EMERGENCY LIGHTING INTERFACE

MAX OF 71° FROM VIVE HUB AND LOCATED ON SAME FLOOR



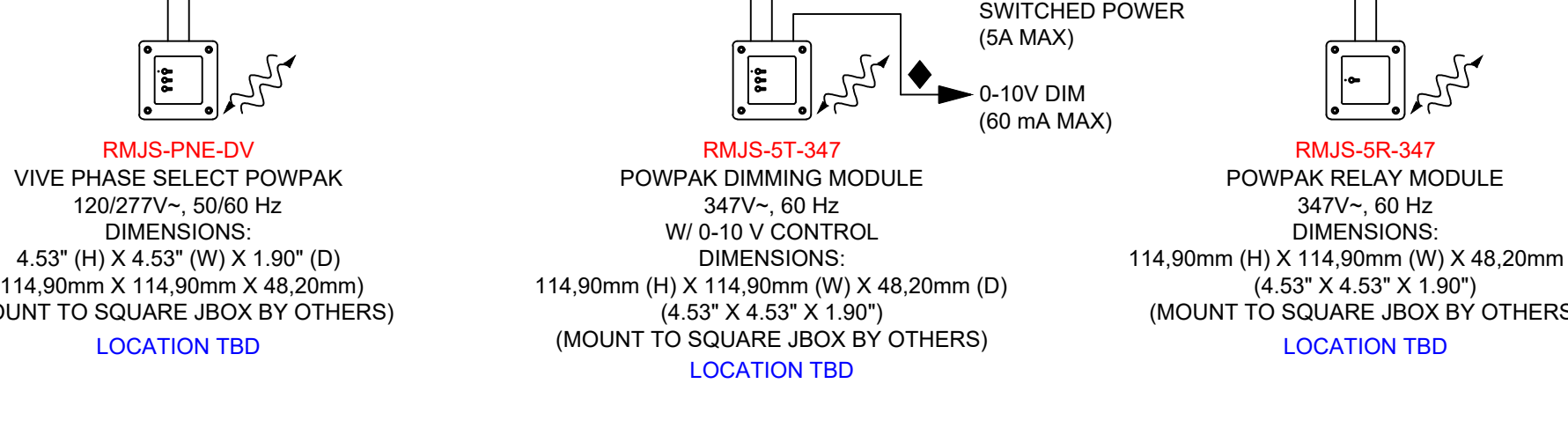
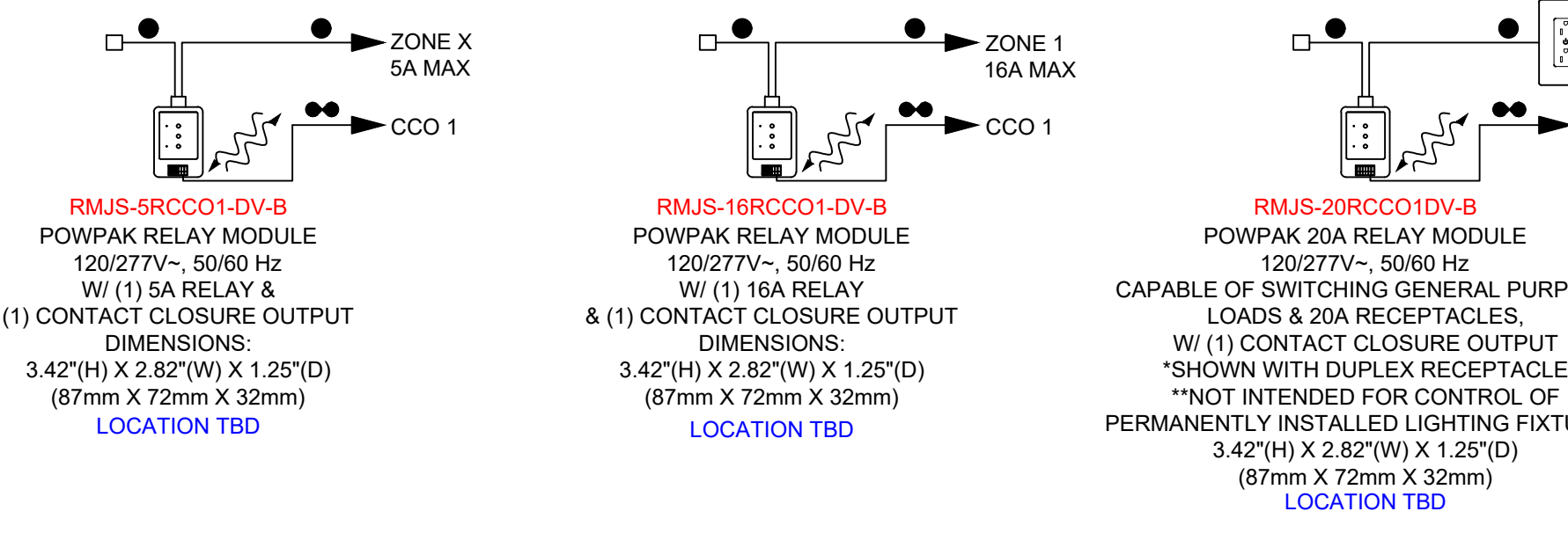
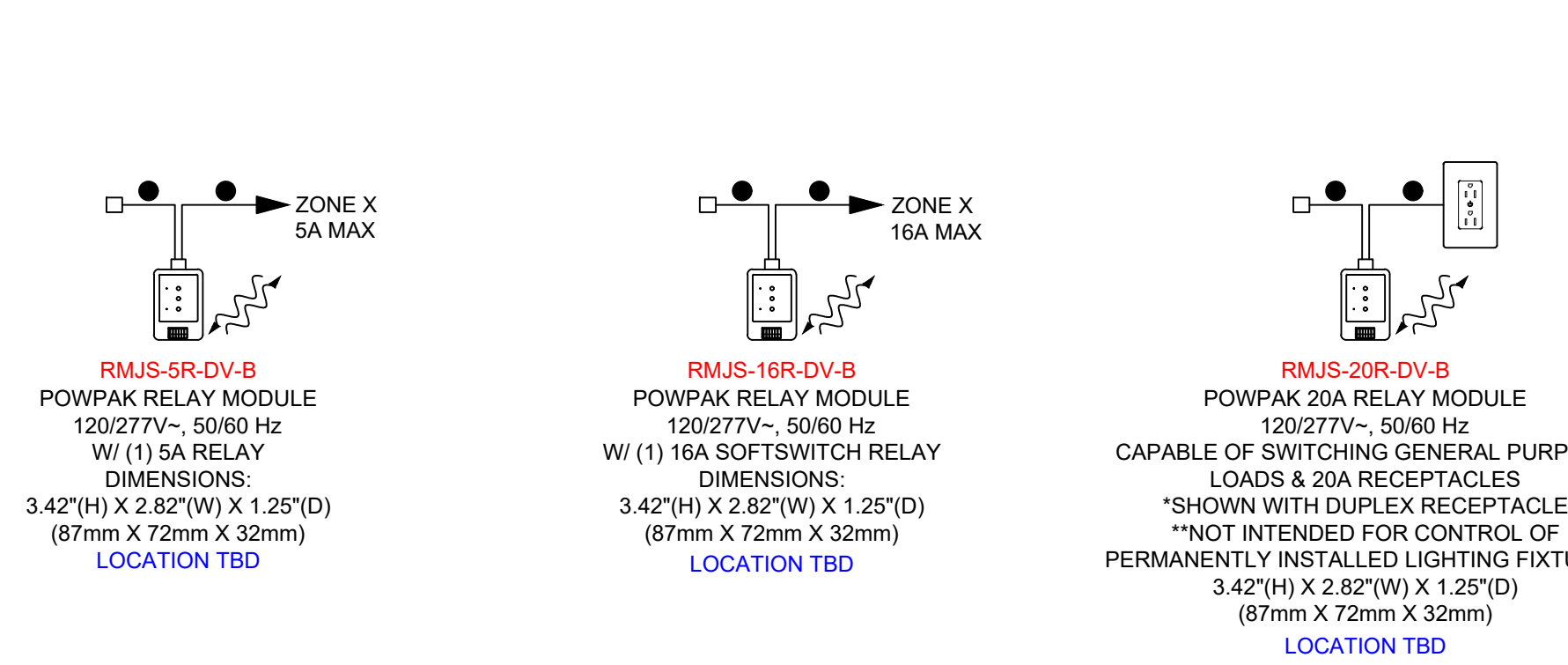
TYPICAL EMERGENCY LOAD CONTROLS

MAX OF 71° FROM VIVE HUB AND LOCATED ON SAME FLOOR



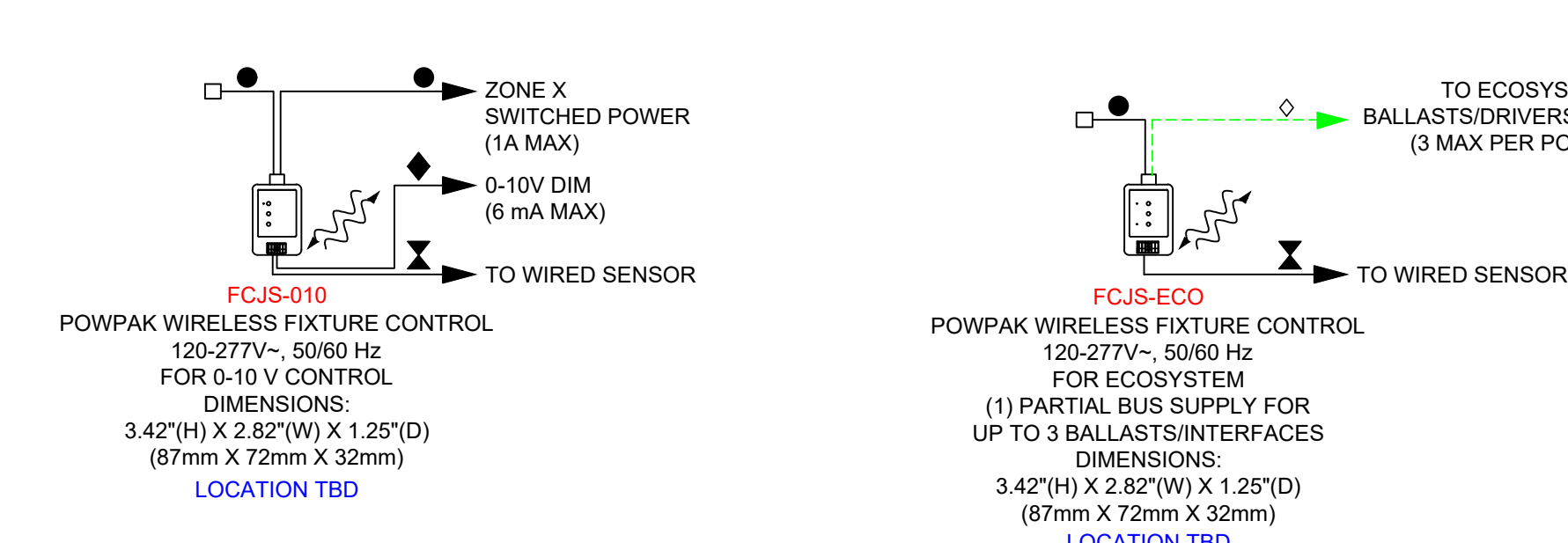
TYPICAL LOAD CONTROL MODULES

MAX OF 71° FROM VIVE HUB AND LOCATED ON SAME FLOOR



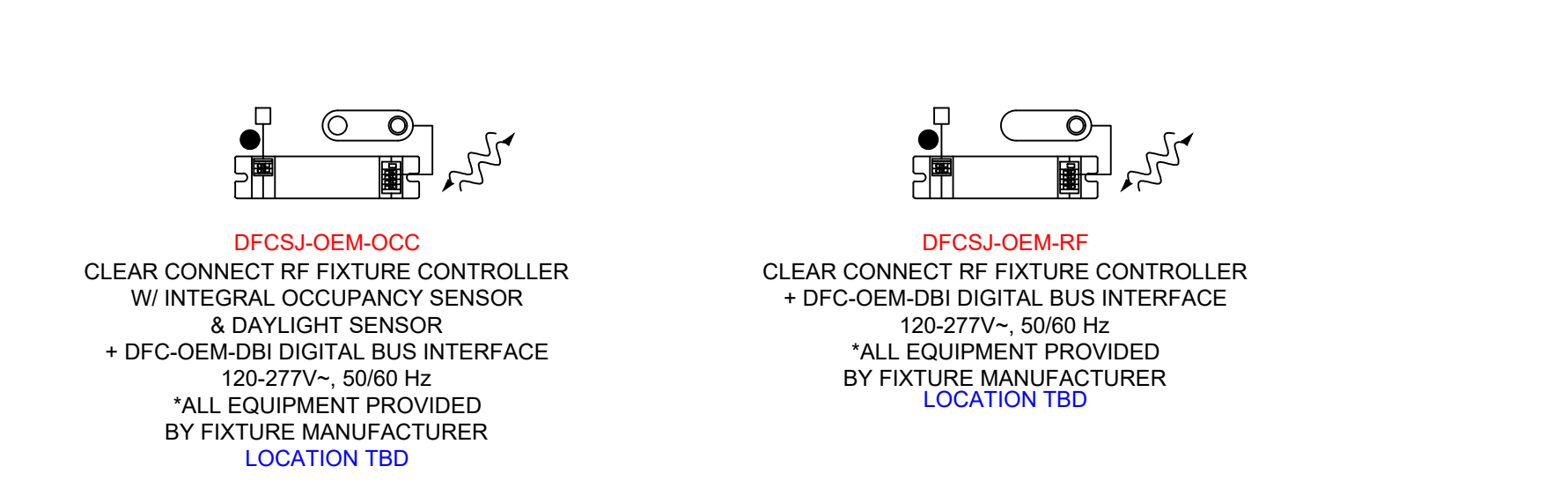
TYPICAL PER FIXTURE LOAD CONTROL MODULES & SENSORS

MAX OF 71° FROM VIVE HUB AND LOCATED ON SAME FLOOR



TYPICAL CLEAR CONNECT WIRELESS FIXTURE CONTROLS (OEM SUPPLIED)

MAX OF 71° FROM VIVE HUB AND LOCATED ON SAME FLOOR



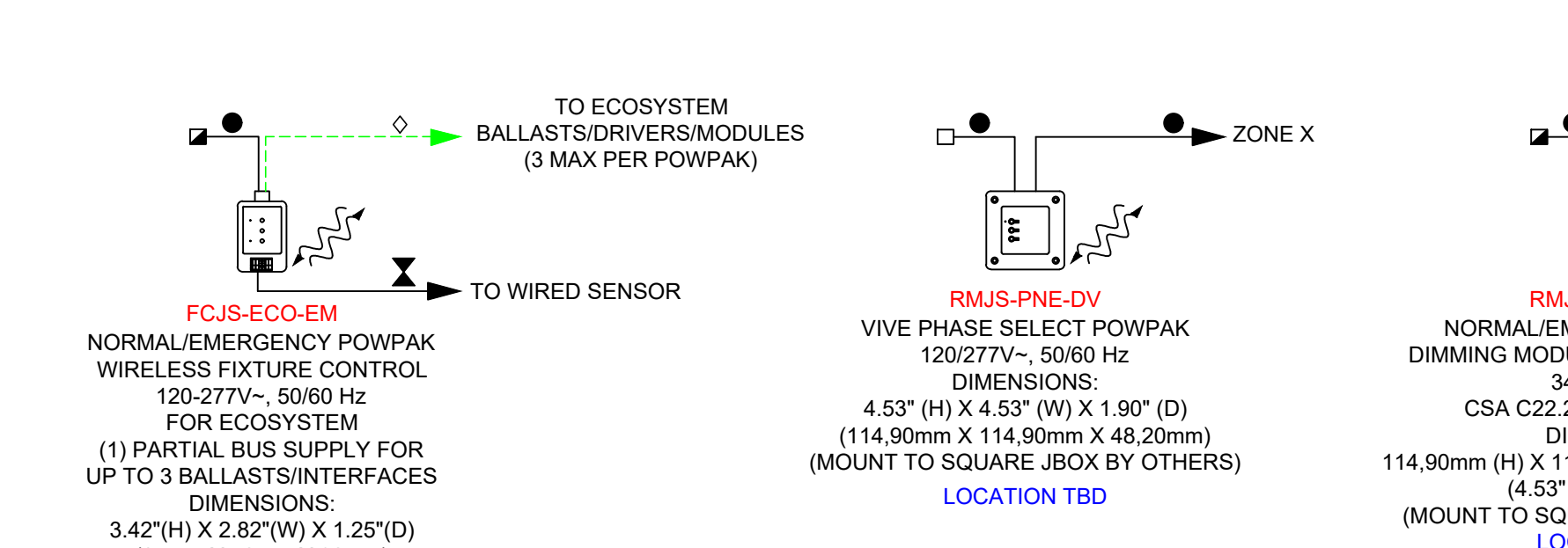
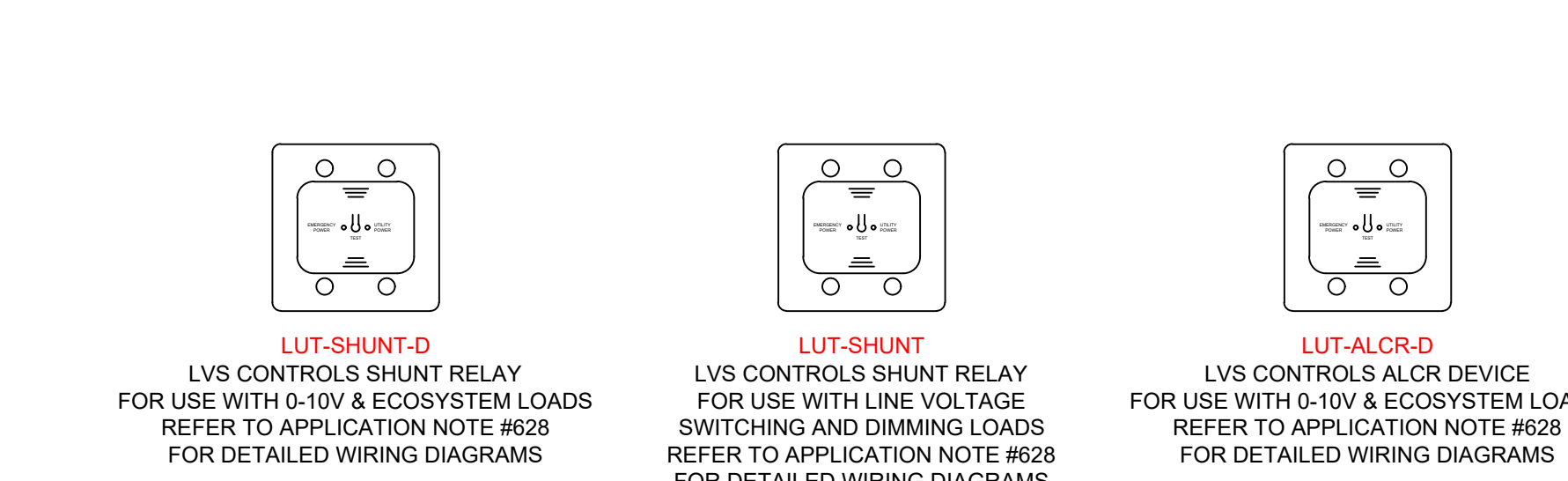
TYPICAL RF TRANSMITTER FOR WIRED SENSORS

MAX OF 71° FROM VIVE HUB AND LOCATED ON SAME FLOOR



TYPICAL LOAD SIDE TRANSFER RELAYS

PROVIDED BY LVS CONTROLS - CONTACT YOUR LUTRON REPRESENTATIVE FOR MORE INFORMATION



LUTRON NOTES:

- ALL DIMMING BALLASTS TO BE LUTRON ECOSYSTEM, ECOSYSTEM HARNES, OR H-LUME 3D TYPE.
- ALL DIMMING DIMMERS, SWITCHES, RECEPTABLES & CABLEPHONE JACKS TO BE LUTRON NOVA T-1 UNLESS OTHERWISE NOTED.
- E.E. TO CONFIRM ALL CIRCUITING REQUIREMENTS.
- ARCHITECT TO VERIFY QUANTITY, LOCATION & FINISH OF ALL CONTROLS.
- ALL FACILITIES DIMMING SWITCHES, RECEPTABLES & CABLEPHONE JACKS TO BE LUTRON NOVA T-1 UNLESS OTHERWISE NOTED.
- LUTRON FIELD SERVICE STARTUP INCLUDED IN ALL SYSTEMS INITIATES A 2 YEAR LIMITED WARRANTY. THE ELECTRICAL CONTRACTOR MUST CONTACT LUTRON (1-888-688-7661) TO SET UP VISIT WITH 10 DAYS NOTICE.

THE COUNTS OF SERVICES BELOW ARE TO BE INCLUDED AS PART OF THIS PROJECT'S SCOPE OF WORK AND REFERENCED INTO THE WRITER SPEC DOCUMENTS.

| LUTRON SERVICES | | |
|---------------------------------|--|--|
| COUNT OF EACH SERVICE SPECIFIED | SERVICE TITLE (MODEL NUMBER) | SERVICE DESCRIPTION |
| | PRE-STARTUP SERVICES | |
| | ON-SITE PRE-STARTUP VISIT (LSC-PS-001-SP) | ON-SITE VISIT WITH ELECTRICAL CONTRACTOR TO DISCUSS LOGISTICS, SYSTEM DEVICE CONSTRUCTION SCHEDULE, A LUTRON SCHEDULE OF OCCUPANCY QUANTITY INDICATES THE NUMBER OF HOURS PURCHASED. |
| | SYSTEM & NETWORK INTERFERENCE ANALYSIS (LSC-PS-002-SP) | CONSULT WITH VIVE WITH THIRD-PARTY INTEGRATORS TO CONFIRM THE SPECIFIC SEQUENCE OF OPERATION & EXCLUSIONS INTEGRATION PROCEDURES REQUIRED IN ORDER TO INTEGRATE WITH LUTRON. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO CONFIRM THE SYSTEMS ARE BAU. (1 NON-LUTRON BRANDS, BACNET, AV, OR ENERGY MANAGER). |
| | SENSOR LAYOUT & TUNING (LSC-PS-003-SP) | LUTRON WILL TAKE RESPONSIBILITY FOR LUTRON-PROVIDED SENSOR COORDINATING SENSOR PLACEMENT PRIOR TO AFTER INSTALLATION. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO RETURN UP TO TWO TIMES TO PERFORM SENSOR TUNING. |
| | STARTUP SUPPORT SERVICES | |
| | ON-SITE PROGRAMMING & HOUR BOOK (LSC-PS-004-SP) | ON-SITE VISIT WITH ELECTRICAL CONTRACTOR TO DISCUSS LOGISTICS, SYSTEM DEVICE CONSTRUCTION SCHEDULE, A LUTRON SCHEDULE OF OCCUPANCY QUANTITY INDICATES THE NUMBER OF HOURS PURCHASED. |
| | REMOTE PROGRAMMING & HOUR BOOK (LSC-PS-005-SP) | REMOTE VISIT WITH ELECTRICAL CONTRACTOR TO DISCUSS LOGISTICS, SYSTEM DEVICE CONSTRUCTION SCHEDULE, A LUTRON SCHEDULE OF OCCUPANCY QUANTITY INDICATES THE NUMBER OF HOURS PURCHASED. |
| | ON-SITE PROGRAMMING & HOUR BOOK (LSC-PS-006-SP) | ON-SITE VISIT WITH ELECTRICAL CONTRACTOR TO DISCUSS LOGISTICS, SYSTEM DEVICE CONSTRUCTION SCHEDULE, A LUTRON SCHEDULE OF OCCUPANCY QUANTITY INDICATES THE NUMBER OF HOURS PURCHASED. |
| | ON-SITE PROGRAMMING & HOUR BOOK (LSC-PS-007-SP) | ON-SITE VISIT WITH ELECTRICAL CONTRACTOR TO DISCUSS LOGISTICS, SYSTEM DEVICE CONSTRUCTION SCHEDULE, A LUTRON SCHEDULE OF OCCUPANCY QUANTITY INDICATES THE NUMBER OF HOURS PURCHASED. |
| | ON-SITE PROGRAMMING & HOUR BOOK (LSC-PS-008-SP) | ON-SITE VISIT WITH ELECTRICAL CONTRACTOR TO DISCUSS LOGISTICS, SYSTEM DEVICE CONSTRUCTION SCHEDULE, A LUTRON SCHEDULE OF OCCUPANCY QUANTITY INDICATES THE NUMBER OF HOURS PURCHASED. |
| | POST-STARTUP SERVICES | |
| | CUSTOMER SOLUTION TRAINING (LSC-PS-009-SP) | A VISIT TO TEACH SYSTEM USERS HOW TO OPERATE AND MAINTAIN THE SYSTEM. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO TRAIN THE CUSTOMER. |
| | SYSTEM MAINTENANCE (LSC-PS-010-SP) | ON-SITE VISIT WITH ELECTRICAL CONTRACTOR TO DISCUSS LOGISTICS, SYSTEM DEVICE CONSTRUCTION SCHEDULE, A LUTRON SCHEDULE OF OCCUPANCY QUANTITY INDICATES THE NUMBER OF HOURS PURCHASED. |
| | MAINTENANCE & SUPPORT SERVICES | |
| | ENHANCED SILVER (LSC-PS-011-SP) | ENHANCED SILVER SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |
| | ENHANCED GOLD (LSC-PS-012-SP) | ENHANCED GOLD SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |
| | ENHANCED PLATINUM (LSC-PS-013-SP) | ENHANCED PLATINUM SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |
| | ENHANCED DIAMOND (LSC-PS-014-SP) | ENHANCED DIAMOND SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |
| | ENHANCED RUBY (LSC-PS-015-SP) | ENHANCED RUBY SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |
| | ENHANCED SAPHIRE (LSC-PS-016-SP) | ENHANCED SAPHIRE SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |
| | ENHANCED EMERALD (LSC-PS-017-SP) | ENHANCED EMERALD SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |
| | ENHANCED AMETHYST (LSC-PS-018-SP) | ENHANCED AMETHYST SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |
| | ENHANCED GEMSTONE (LSC-PS-019-SP) | ENHANCED GEMSTONE SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL MAINTENANCE VISIT. LUTRON WILL PROVIDE A LUTRON REPRESENTATIVE TO THE SITE TO PERFORM MAINTENANCE VISITS. |

PLEASE GO TO WWW.LUTRON.COM/SERVICES FOR FURTHER INFORMATION.

TYPICAL VIVE SYSTEM

LOCATION TBD

CONCEPT DRAWING NOT FOR CONSTRUCTION

| | |
|-------------------|---------|
| Project Number: | ***** |
| Drawn By: | TM/MDB |
| Drawing Revision: | 0 |
| Drawing Date: | Q4 2025 |
| Sheet: | 1 OF 1 |

