GENERAL NOTES:

ALL WIRING, INCLUDING CONTROL & NETWORK WIRING/CABLINGNOT PROVIDED BY SIGNIFY UNLESS NOTED OTHERWISE. ENCLOSURES for CONTROLLERS/INTERFACES NOT by SIGNIFY. (Optional Separate or Assembled Enclosure Available for Additonal Cost).

1) ONE-LINE DIAGRAMS INDICATE THE REQUIRED GROUPING OF WIRES, NOT THE NUMBER OR SIZE OF CONDUITS. ONE-LINE SYMBOLS ARE FOR REFERENCE ONLY AND MAY NOT REFLECT INSTALLED CONFIGURATION.

2) THESE DRAWINGS MAY ILLUSTRATE DEVICE MOUNTING LOCATIONS. THE LOCATIONS SHOWN SHOULD BE ADJUSTED IN THE FIELD BASED ON AESTHETICS/CLIENT DIRECTION, SITE CONDITIONS, WIRING METHODS, AND APPLICABLE CODES AND STANDARDS.

3) THIS SYSTEM SHOULD BE REVIEWED AND INSTALLED BY A QUALIFIED PERSON/ENTITY.

4) INSTALL PER EQUIPMENT LABELING AND INSTALLATION INSTRUCTIONS, INCLUDING TORQUE INFORMATION AND TEMPERATURE & HUMIDITY REQUIREMENTS PER DATA & INSTALLATION SHEETS. UNLESS RATED OTHERWISE, SIGNIFY EQUIPMENT MUST BE INSTALLED, MAINTAINED, AND OPERATED IN "OFFICE CLEAN" INDOOR DRY LOCATIONS ONLY.

5) WIRING & USE OF JUNCTION BOXES, RACEWAYS, ETC., SHALL CONFORM TO NATIONAL & LOCAL ELECTRICAL CODES, INCLUDING PROVISION OF EQUIPMENT GROUNDING AS REQUIRED, AND INCLUDING BUT NOT LIMITED TO NEC® 110.3(B) & 110.26.

6) POWER CONDUCTORS SHALL BE SIZED PER THE NEC® AMPACITY TABLES (ARTICLE 310), INCLUDING ADJUSTMENT FACTOR AND NEUTRAL CONDUCTOR REQUIREMENTS - FEED & BRANCH NEUTRAL CONDUCTORS MUST BE COUNTED AS CURRENT CARRYING CONDUCTORS. RUN SEPARATE NEUTRAL CONDUCTORS FOR EACH LOAD CIRCUIT.

7) ALL CONTROL WIRING SHOULD* BE RUN IN METAL CONDUIT OR EMT AND MUST NOT SHARE THE SAME RACEWAY OR CONDUIT WITH POWER, AUDIO, OR VIDEO CONDUCTORS.
10% SPARES RECOMMENDED. CONTRACTOR
IS RESPONSIBLE FOR ALL CONTROL TERMINATIONS. NO SPLICES PERMITTED.

* - Preferred, but Not Required

8) SIGNIFY IS NOT RESPONSIBLE FOR DAMAGE TO EQUIPMENT CAUSED BY PAINT, DUST, SOLVENTS, OR CLEANING SUPPLIES.

(1) 120 or 277 VAC 20A BRANCH CIRCUITS *** (NOT by Signify)

(2) CONTROLLER INPUT POWER: 1Ø 2 WIRE w/ GND 120 VAC 60 Hz (NOT by Signify)

(2a) CONTROLLER INPUT POWER: 1Ø 2 WIRE w/ GND 120 or 277 VAC 60 Hz (NOT by Signify)

(3) POWER (From Panelboard): 1Ø 2 WIRE w/ GND 120 or 277 VAC 60 Hz (NOT by Signify)

(4) CLASS 1 DALI or CLASS 2 10V CONTROL PAIRS (NOT by Signify)

*** - BRANCH CIRCUIT WIRING NOTES:

(120-277VAC 16A - PER CIRCUIT)

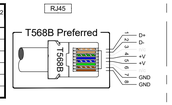
DALI BRANCH CIRCUITS SHOULD ROUTE THROUGH LOAD CONTROLLER FOR MAXIMUM ENERGY SAVINGS, BUT MAY ROUTE DIRECTLY TO LUMINAIRES, BYPASSING THE DALI LOAD CONTROLLERS.

10V BRANCH CIRCUITS MUST BE ROUTED THROUGH THE LOAD CONTROLLERS

DIRECT ROUTING REQUIRED FOR 347VAC; 347VAC LOADS DO NOT CONNECT TO LOAD CONTROLLERS EXCEPT w/ DMC DMD316FR MODULES)

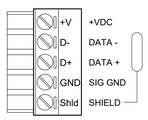
RJ45 (T568B)

Signal Name	Cat 5e/6 Hard-Wire : RJ45 T568B Color Scheme	DMX512 Conn
+ VDC	Blue (4) / Blue-White (5)	N/C
Data -	Orange (2)	D-
Data +	Orange-White (1)	D+
Signal Gnd	Brown-White (7) / Brown (8)	GND
SHIELD	Shield	N/C
No Connection	Green (3) / Green-White (6)	N/C



DyNet Networks:

Signal Name	Belden 1502R or P Wire Color
+ VDC	Red
Data -	White
Data +	Blue
Signal Gnd	Black
SHIELD	Shield



DyNet RS-485 NETWORK
CARRIES COMMANDS FROM USER INPUT DEVICES AND CARRIES FEEDBACK TO INPUT DEVICES (SENSORS, KEYPADS, COMPUTER, A/V, BMS)

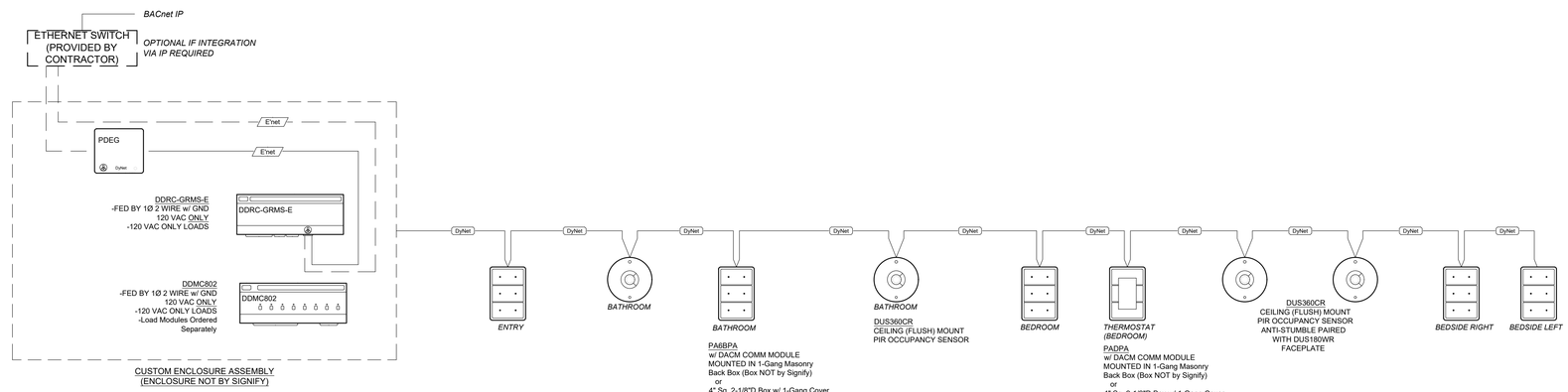
DyNet CABLE RUNS MUST BE ROUTED IN A "DAISY-CHAIN" CONFIGURATION. CAT 5e / CAT 6 CABLE IS PERMITTED IN SMALL INSTALLATIONS, BUT MAY REQUIRE ADDITIONAL POWER SUPPLIES.

DALI (2) CLASS 1 CONDUCTORS for DALI DRIVERS/DEVICES

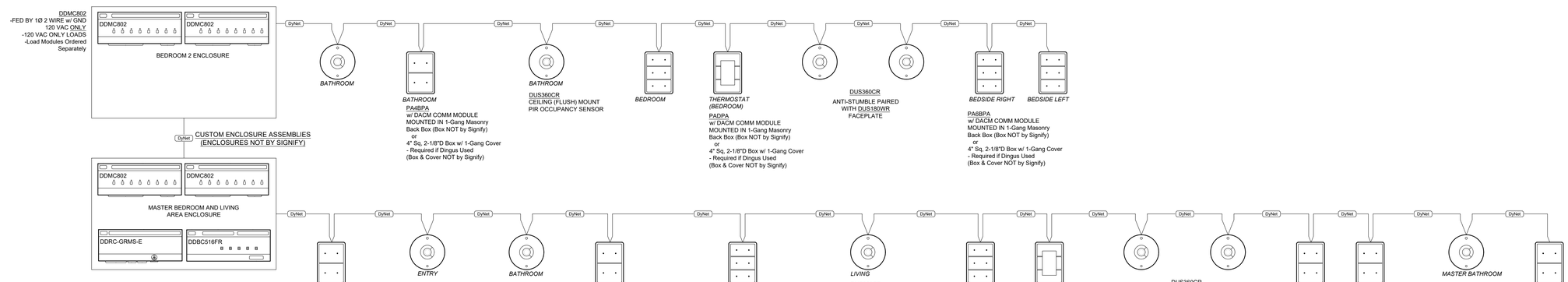
10V (2) CLASS 2 CONDUCTORS for 0(1) -10V DRIVERS

E'net ETHERNET CABLING (Cat 5e or Better or Fiber - per Facility IT)

DMX512 DMX512 CABLING (CLASS 2)

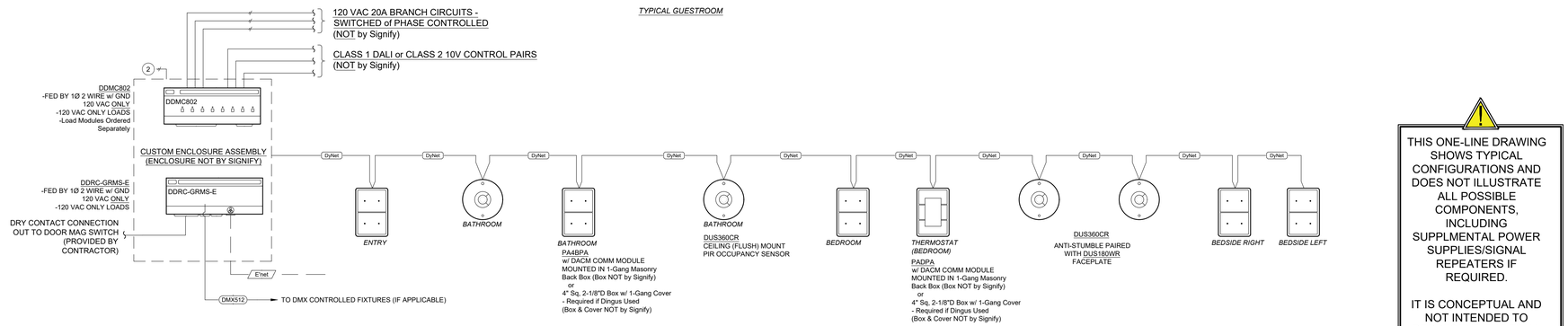


TYPICAL MASTER SUITE / MULTI BEDROOM GUESTROOM

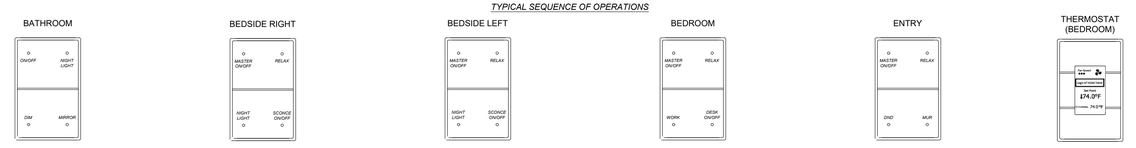


DDMC802 MODULES	
Module	Control Type
DGCM102	Motorized curtain/blind control
DGFM102	Fan Control
DGRM204	Relay Control
DGBM200	0-10V, DALI Broadcast Tunable White (DALI209)
DGLM202	Leading Edge (Phase)
DGLM105(DOUBLE SIZE)	Leading Edge (Phase)
DGLM402 (DOUBLE SIZE)	Leading Edge (Phase)
DGTM104	Trailing Edge (Phase)
DGTM202	Trailing Edge (Phase)
DGTM402(DOUBLE SIZE)	Trailing Edge (Phase)

TYPICAL GUESTROOM



TYPICAL SEQUENCE OF OPERATIONS



THIS ONE-LINE DRAWING SHOWS TYPICAL CONFIGURATIONS AND DOES NOT ILLUSTRATE ALL POSSIBLE COMPONENTS, INCLUDING SUPPLMENTAL POWER SUPPLIES/SIGNAL REPEATERS IF REQUIRED.

IT IS CONCEPTUAL AND NOT INTENDED TO REPRESENT THE FINAL PROJECT INSTALLATION

Complete set of Dynalite AutoCAD Blocks available on Request

REV	DESCRIPTION	BY	DATE
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Signify
1 Van de Graaff Drive
Burlington, MA 01803
Tel: 800.555.0050

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SECTION Q4 2023

TITLE

Sample Guestroom One-Line Diagrams

(Not All Products or Configurations Shown)