



(APPLICABLE TO ELECTRICAL RISER DIAGRAM)

1. ISOLATE NEUTRAL BAR IN PANEL AND BOND GROUND BAR TO ENCLOSURE USING FACTORY BONDING SCREWS.
2. TERMINATE GROUNDING CONDUCTOR TO MAIN WATER PIPE WHERE WATER PIPE ENTERS BUILDING AND ACROSS BACKFLOW PREVENTER AND VALVES USING MECHANICAL CLAMP LISTED FOR THE PURPOSE AND FOR THE WIRE SIZE. GROUNDING CONDUCTOR SHALL BE CONTINUOUS FROM PANEL TO ACROSS BACKFLOW PREVENTER. SEE MECHANICAL DRAWINGS FOR WATER PIPE LOCATION.
3. PROVIDE CT CABINET AND CT METER. CT METER SHALL BE INSTALLED ON UNI-STRUT FRAME AND PER UTILITY COMPANY'S REQUIREMENTS. COORDINATE EXACT LOCATION WITH TRANSFORMER AND UTILITY COMPANY.
4. PROVIDE A 400AS-3P, 400AF, NEMA 3R SERVICE ENTRANCE RATED DISCONNECT.
5. CONTRACTOR SHALL INCLUDE IN THEIR BID ANY COST FOR THE NEW ELECTRICAL SERVICE TO THE BUILDING. COORDINATE WITH ENTERGY.



**NOTE: CONTACTOR AND CONTROL COMPONENTS TO BE MOUNTED IN NEMA 1 ENCLOSURE**



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Mark	Volt	Mount	Manuf.	Catalog No.	Lamp Data	Remarks
A1	277	Recess	Lithonia Equal Elite	CPX 2X4 4000LM 80CRI/40K A12 M1N10 ZT MVOLT 24-FPL-BL-LED-3000/4000/5000L-DIM10 MVOLT- 30K/35K/40K/50K-85	367 Watt LED 4000 Lumens	2x4 LED Panel fixture.
A2	277	Recess	Lithonia Equal Elite	CPX 2X2 3200LM 80CRI/40K A12 M1N10 ZT MVOLT 22-FPL1-L-LED-3000L-DIM10-MVOLT-35K- 85	30 Watt LED 3200 Lumens	2x2 LED Panel fixture.
B1	277	Suspend	HE Williams Equal Mark  Elite	MX4D 4'00 L12/835 F AC/D48 DIM UNV  S4PD LLP 4FT MSL4 90CRI 35K 1200LMF SCT M1N10 FLL MVOLT * ZT F1/72A RDCY ** OLS-D-LED-4"-S-4'-1200L-DIM10-MVOLT- 35K-85-WH-OCGSS	43.2 Watt LED 4800 Lumens	4' long Suspended 4" wide LED fixture. Mount at 10' aff. Use specialty anchor bolts that fit in the dovetail deck that will be supporting fixture.
B2	277	Suspend	HE Williams Equal Mark  Elite	MX4D 4'00 L15/835 F AC/D48 DIM UNV  S4PD LLP 4FT MSL4 90CRI 35K 1500LMF SCT M1N10 FLL MVOLT * ZT F1/72A RDCY ** OLS-D-LED-4"-S-4'-1500L-DIM10-MVOLT- 35K-85-WH-OCGSS	54 Watt LED 6000 Lumens	4' long Suspended 4" wide LED fixture. Mount at 10' aff. Use specialty anchor bolts that fit in the dovetail deck that will be supporting fixture.
D1	277	Surface	HE Williams Equal Mark  Elite	MX4S 4'00 L12/835 F DIM UNV  S4SD LLP 4FT MSL4 90CRI 35K 1200LMF SCT M1N10 FLL MVOLT * ZT OLS-CM-LED-4"-S-4'-1200L-DIM10-MVOLT- 35K-85-WH-OCGSS	43.2 Watt LED 4800 Lumens	4' long Surface mounted 4" wide LED fixture.
F1	277	Suspend	HE Williams Equal Mark  Elite	MX4D 6'00 L10/835 F AC/D48 DIM UNV  S4PD LLP 6FT MSL8 90CRI 35K 1500LMF SCT M1N10 FLL MVOLT * ZT F1/72A RDCY ** OLS-D-LED-4"-S-6'-1200L-DIM10-MVOLT- 35K-85-WH-OCGSS	54 Watt LED 6000 Lumens	6' long Suspended 4" wide LED fixture. Mount at 10' 6" aff to bottom of fixture. Use specialty anchor bolts that fit in the dovetail deck that will be supporting fixture.
F2	277	Suspend	HE Williams Equal Mark  Elite	MX4D 6'00 L12/835 F AC/D48 DIM UNV  S4PD LLP 6FT MSL8 90CRI 35K 1200LMF SCT M1N10 FLL MVOLT FINISH ZT F1/72A RDCY ** OLS-D-LED-4"-S-6'-1500L-DIM10-MVOLT- 35K-85-WH-OCGSS	65 Watt LED 7200 Lumens	6' long Suspended 4" wide LED fixture. Mount at 12' aff to bottom of fixture. Use specialty anchor bolts that fit in the dovetail deck that will be supporting fixture.
G1	277	Ground	Hydrel Equal Liteway	4750L 2FT 1000LFT 40K MVOLT WWD KM JB4750L ZT * FWLA-24-LED-02C-4"-CSA-DIM	16 Watt LED 1600 Lumens	Ground mounted wall wash fixture. * Finish chosen by architect.
M1	277	Surface	Lithonia  Equal Elite	CPHB 9000L SEF GCL WD MVOLT GZ10 35K 80CRI/DWH THUN J2/CNP 20A W  CB2-CPA-LED-9000L-DIM10-MVOLT-WD- 35K-CB2-LED-SMB	61 Watt LED 9000 Lumens	LED Lowbay fixture. Mounted at 28' aff. Use E10WCP and 4C emergency battery and cord option for cross shaded fixtures. Surface mount by securing fixture to flutes of the ceiling deck and run conduit between flutes.
M2	277	Surface	Lithonia  Equal Elite	CPHB 18000L SEF GCL WD MVOLT GZ10 35K 80CRI/DWH thun J2/CNP 20A W  CB2-CPA-LED-18000L-DIM10-MVOLT-WD- 35K-CB2-LED-SMB	133 Watt LED 18000 Lumens	LED Lowbay fixture. Mounted at 28' aff. Use E10WCP and 4C emergency battery and Surface mount by securing fixture to flutes of the ceiling deck and run conduit between flutes.
R1	120	Recessed	Lithonia  Equal Elite	LDN4 20LM 35K L04 AR LSS WD MVOLT UGZ  HH4-LED-2000L-DIM10-MVOLT-WD-40K- 90-HH4-4501*	25 Watt LED 2000 Lumens	4" LED recessed can fixture. Wet location listed. *Finish chosen by architect.
W1	277	Wall	Lithonia Equal Elite	ARC1 LED P3 40K MVOLT E4WH DDBXD  OWP-FC-204-LED-3000L/4000L/5000L- DIM10-MVOLT-30K/40K/50K-BZ	25 Watt LED 3000 Lumens	LED Walpack fixture with emergency battery back-up. Mount at 10' aff.
X	277	Universal	Lithonia Equal Dual-Lite Sure-Lite Elite	LQM S W 3 R 120/277 EL N SD  LXURWEI LPX7SD ELX-628-R-W	Integral Red LED	Injection molded, white, thermoplastic housing. Red lettering. Integral battery. Ceiling mount or mount above door as indicated on plans. Faces as required. Chevrons as indicated. Test switch. Self-diagnostics.

Notes:

1. Provide emergency battery back-up battery for all cross-shaded fixtures, UON.

2. Coordinate all suspended fixture mounting heights with Architect and Mechanical Contractor.

3. Coordinate all fixture colors with architect or interior designer prior to purchasing.

4. Lighting fixtures indicated on dimming switches shall be provided with dimming ballasts.

5. Recessed light fixtures installed in lay-in ceilings shall be provided with grid clips, even if not specifically identified in the fixture model number.

SCHOOL OF CONSTRUCTION PRACTICE  
LAB BUILDING, UNIVERSITY OF  
LOUISIANA MONROE

507 Filhiol Ave., Monroe, LA 71203

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DRAWN BY: \_\_\_\_\_ DWB

CHECKED BY: \_\_\_\_\_ DWB

SHEET

E5.01

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Date: NOV 2025

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Project No.: 24-0059

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File Name:

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DESCRIPTION:

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ELECTRICAL DETAILS

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