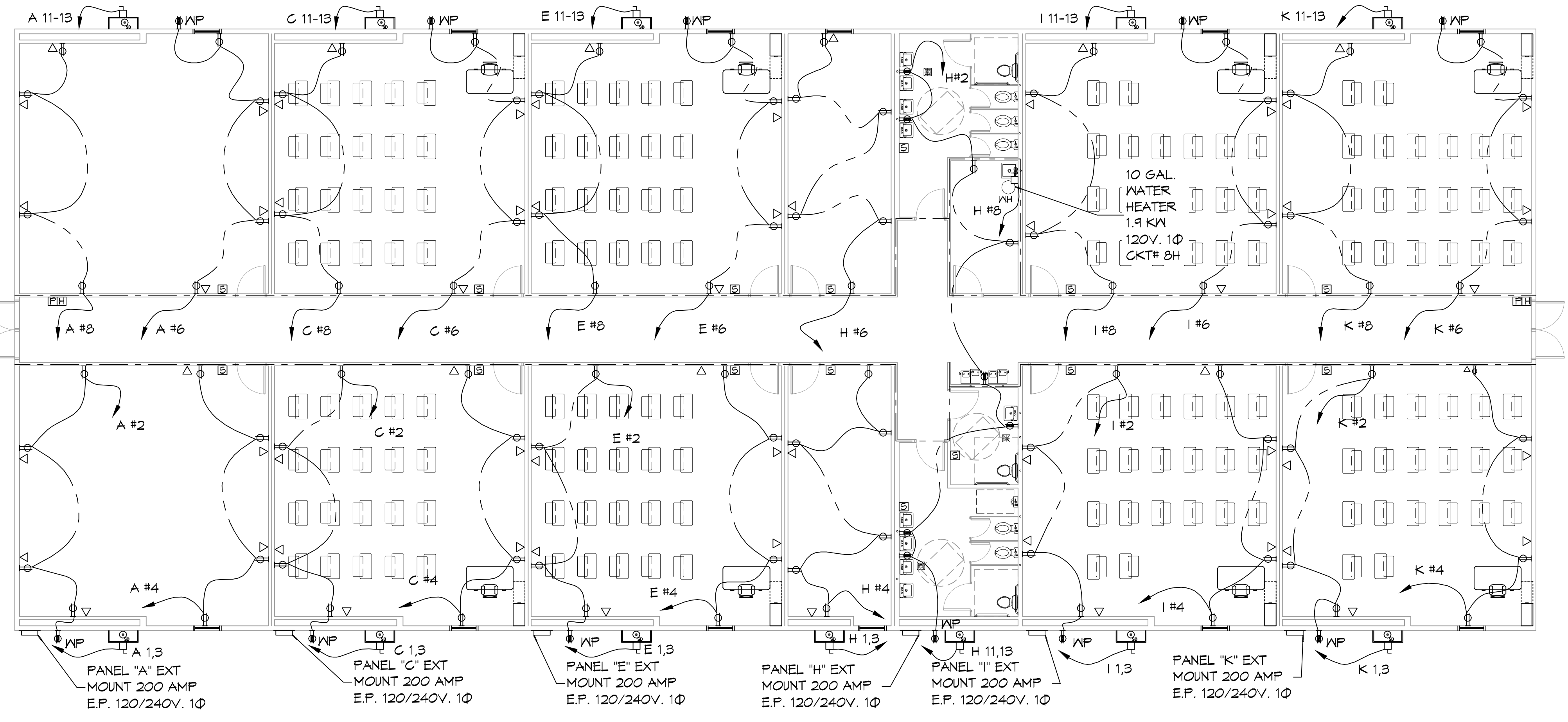
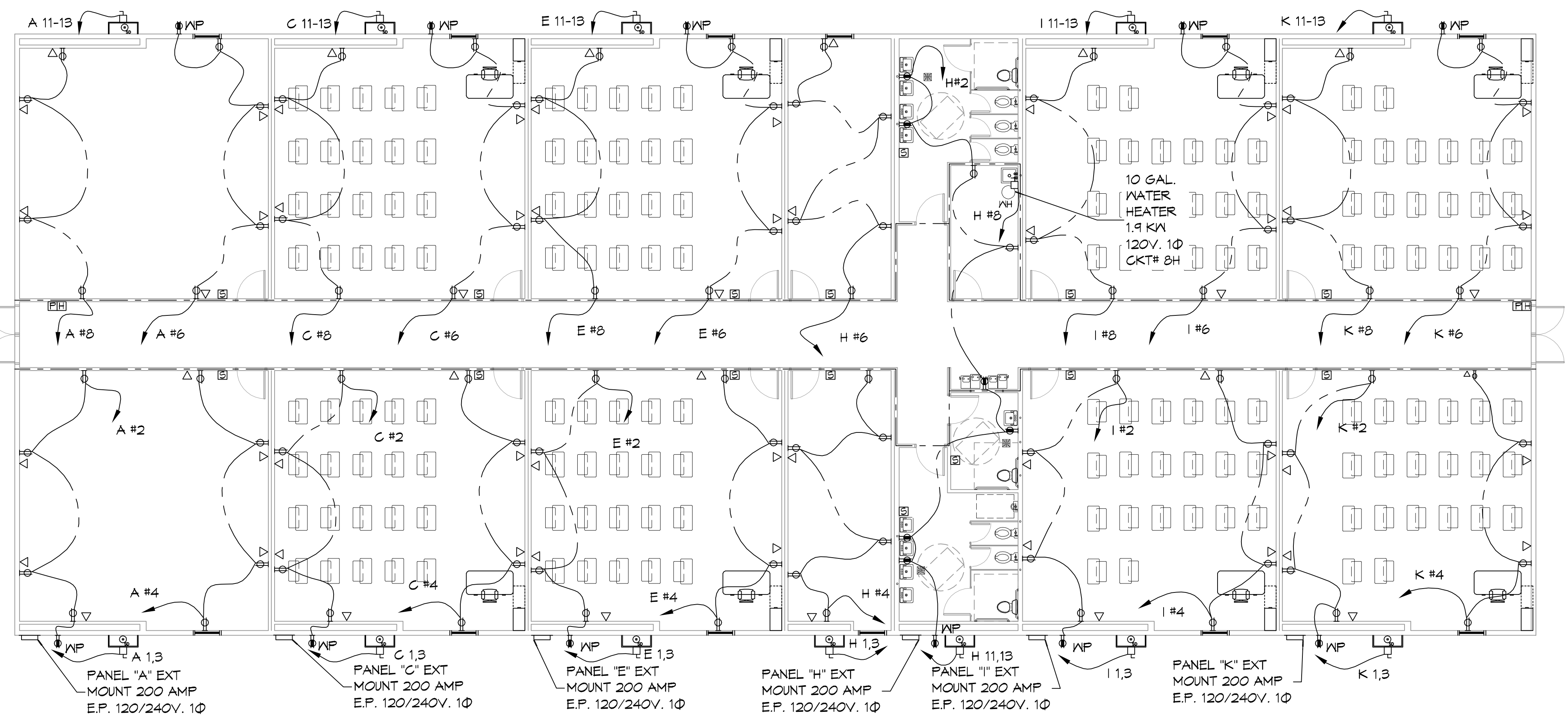


24 Building 2 Existing Power Plan - Lakeside Christian Academy - Slidell, LA - 70459
 25 Building 1 Existing Power Plan - Lakeside Christian Academy - Slidell, LA - 70459



24 BUILDING 2 EXISTING POWER PLAN
 SCALE: 1/8"=1'-0"



25 BUILDING 1 EXISTING POWER PLAN
 SCALE: 1/8"=1'-0"

LEGEND

SYMB DESCRIPTION

- ⊕ STANDARD 120V DUPLEX RECEPTACLE, NEMA 5-2 OR 15" AFF (UNLESS OTHERWISE NOTED)
- ⊕ GFCI DUPLEX RECEPTACLE
- ⊕ WP WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
- ⊕ SMOKE DETECTOR
- △ WALL MOUNTED DATA OUTLET
- ⊕ POWER DISCONNECT
- ⊕ FIRE ALARM PULL
- ⊕ FIRE ALARM HORN
- ⊕ FIRE ALARM STROBE

NOTES:

- CONNECT ALL EMERGENCY/EXIT LIGHT FIXTURES TO NEAREST CONSTANT POWER SOURCE.

CONTRACTOR NOTE:

ALL TRAILERS HAVE BEEN PRE-WIRED. ELECTRICIAN IS TO VERIFY AND NOTE ANY EXCEPTIONS.

- GENERAL POWER NOTES**
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
 - ALL MATERIALS FURNISHED SHALL BE NEMA AND SHALL BE UL LISTED.
 - THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
 - BEFORE BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
 - WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
 - ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
 - PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
 - MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE NON-METALLIC CABLE (NMC) CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS IN WOOD FRAME CONSTRUCTION AREAS ONLY; IN STEEL FRAMING AREAS THE USE OF EMT (MINIMUM) IS REQUIRED; EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS; INTERIOR FITTINGS SHALL BE STAMPED BOXES.
 - CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
 - INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
 - BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-65, NFPA 70:250-23, 250-11 & 250-12.
 - GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
 - FUSES SHALL BE ITC CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
 - PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHAL AND THE FIRE DISTRICT.
 - EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ADJUTING PROPERTY LINE.
 - ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.
 - VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

Electrical Load Summary

Project Name: Lakeside Christian Academy
 Project Address: 1000 Canulette Dr.
 City / Town: Slidell, LA

Intended Use: School
 Requested Service: 208 Volts 3 Phase 4 Wires
 Service Entrance Size: 1,000 Amps
 HVAC Tonnage: 72 Tons
 Largest Motor: 2.0 HP (Note: Motors above 20 hp may require reduced voltage starting and are never recommended for use with 120/240V, 3 φ, 4W services.)

Total Building Square Footage: 20,744 Square Feet
 Individual Unit Square Footage: Square Feet (Multiple Occupancy)
 Individual Unit Designation: (Multiple Occupancy)

LOAD SOURCE	277V / 480V			120V / 240V		
	1φ - kVA	3φ - kVA	or	1φ - kVA	3φ - kVA	or
Building Lighting			or	60.0		
Electric Water Heating			or	9.0		
Heat Pump			or			
Supplemental Heat System			or			
PACKAGE UNIT Heat/Air Conditioning			or	252.0		
Electrical Heating (Circle - Primary / Secondary)			or			
Cooking			or			
Refrigeration			or			
Receptacles (Standard)			or	40.3		
Receptacles (Computer)			or			
Laundry Cleaning Equipment			or			
Parking Lot / Exterior Lighting			or			
Miscellaneous			or	2.3		
Other (Specify)			or			

DAMMON ENGINEERING, INC.
 LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mistic
 504 Old Spanish Trail
 Slidell, LA 70459
 www.dammonengineering.com
 info@dammonengineering.com
 Phone: 985.649.2332 Fax: 985.649.1293

#	DESCRIPTION	DATE



LAKESIDE LACADEMY

1000 CANULETTE RD., SLIDELL, LA 70459
 JOB No: 24-01 DATE: 07-15-2021
 DRAWN BY: BAW
 RLD / CHECKED BY: BAW

SHEET TITLE: EXISTING POWER PLAN

DRAWING NUMBER: **E101**

SHEET No: 4 of 11