| DIRECTORY | CKT. NO. | BKR. AMPS | BKR. AMPS | CKT. NO. | DIRECTORY |
|---|---|---|---|---|---|
| EM LTG | 1 | 20 | 20 | 2 | SANCTUARY LTG |
| EXTERIOR LTG | 3 | 20 | 20 | 4 | SANCTUARY LTG |
| LTG | 5 | 20 | 20 | 6 | ALTAR LTG |
| LTG | 7 | 20 | 20 | 8 | LTG |
| LTG | 9 | 20 | 20 | 10 | LTG |
| REFRIDGERATOR | 11 | 20 | 20 | 12 | REC |
| KITCHEN REC | 13 | 20 | 20 | 14 | REC |
| KITCHEN REC | 15 | 20 | 20 | 16 | REC |
| REC | 17 | 20 | 20 | 18 | REC |
| REC | 19 | 20 | 20 | 20 | REC |
| REC | 21 | 20 | 20 | 22 | REC |
| REC | 23 | 20 | 20 | 24 | REC |
| REC | 25 | 20 | 20 | 26 | MEZININE LTG & REC |
| SPACE | 27 | | | 28 | SPACE |
| SPACE | 29 | | | 30 | SPACE |

| | | |
|---|---|---|
| VOLTAGE: 120/208V 1 PHASE 3 WIRE SN | PANEL NO. | LC |
| MAIN BREAKER: 200A, MLO | | |
| MOUNTING: FLUSH | LOCATION | SEE PLANS |
| NOTE: | | |

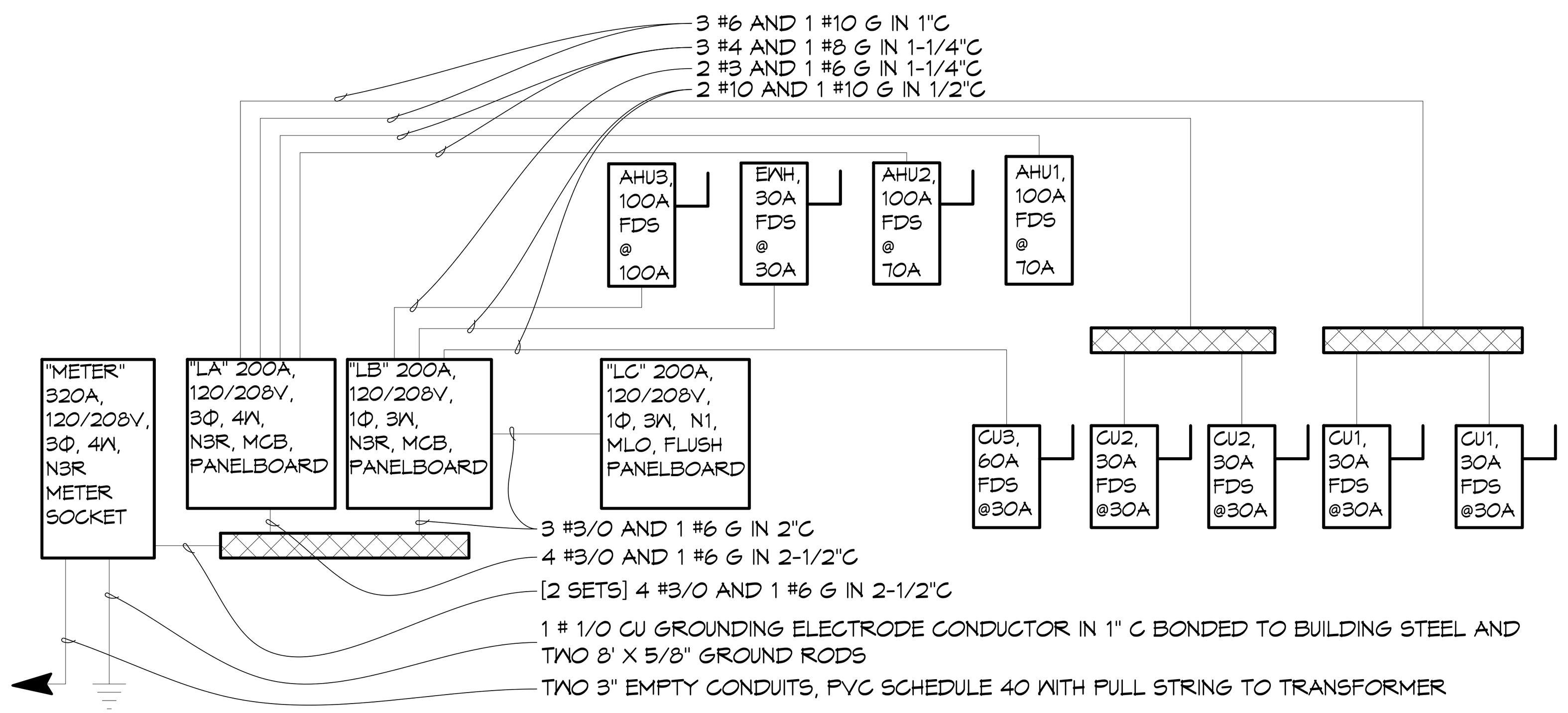
## 6 PANEL SCHEDULES
SCALE: NTS — ELECTRICAL

| DIRECTORY | CKT. NO. | BKR. AMPS | BKR. AMPS | CKT. NO. | DIRECTORY |
|---|---|---|---|---|---|
| AHU #3 | 1 | 100 | 30 | 2 | CU #2 |
| | 3 | | | 4 | |
| EWH | 5 | 30 | | 6 | SPACE |
| | 7 | | | 8 | SPACE |

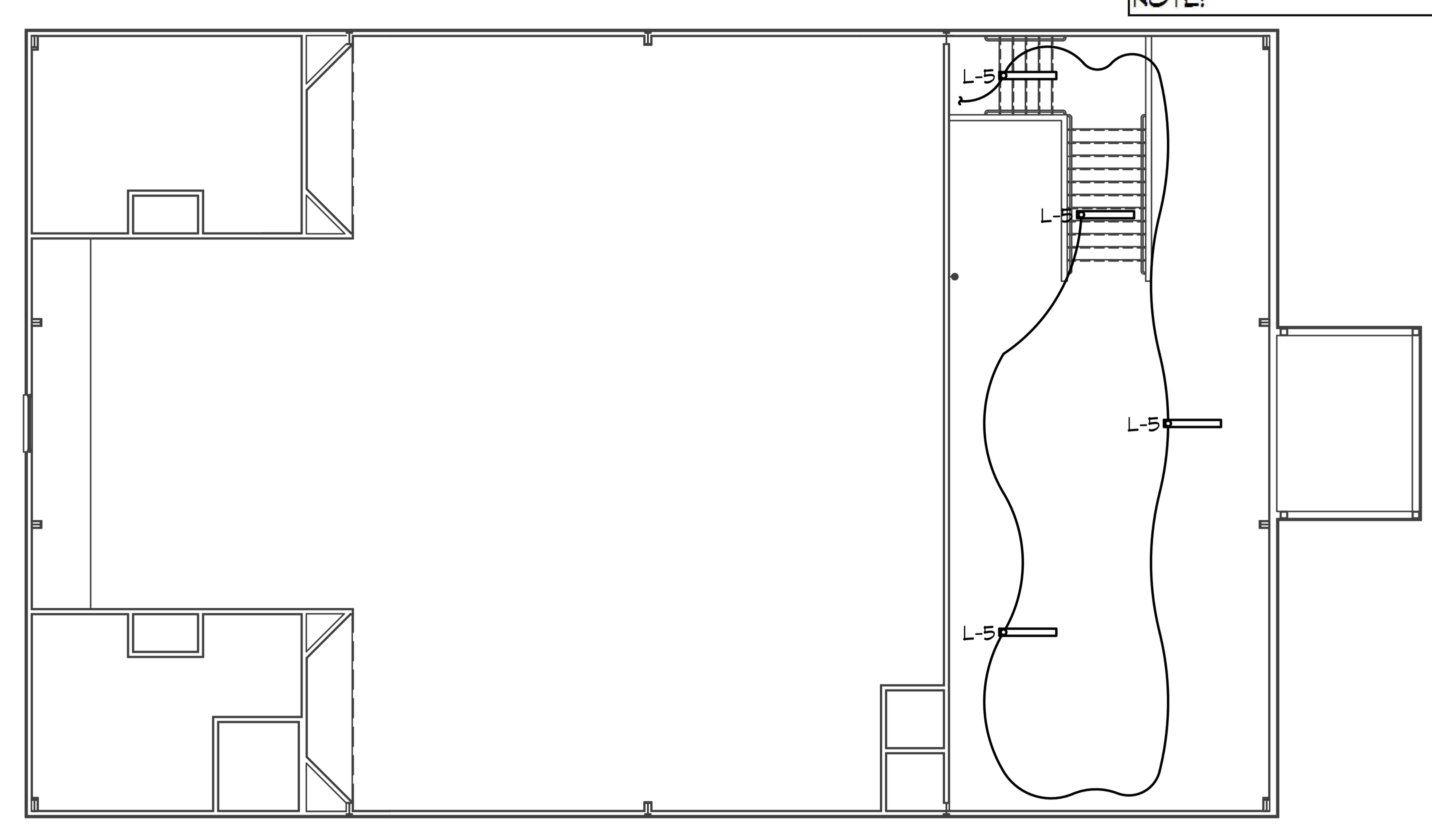
| | | |
|---|---|---|
| VOLTAGE: 120/208V 1 PHASE 3 WIRE SN | PANEL NO. | LB |
| MAIN BREAKER: 200A, MCB | | |
| MOUNTING: SURFACE | LOCATION | SEE PLANS |
| NOTE: FEED THROUGH LUGS | | |

| DIRECTORY | CKT. NO. | BKR. AMPS | BKR. AMPS | CKT. NO. | DIRECTORY |
|---|---|---|---|---|---|
| AHU #1 | 1 | 70 | 70 | 2 | AHU #2 |
| | 3 | | | 4 | |
| | 5 | | | 6 | |
| CU #1 | 7 | 60 | 60 | 8 | CU #2 |
| | 9 | | | 10 | |
| | 11 | | | 12 | |
| TREATMENT PLANT | 13 | 30 | 20 | 14 | WELL |
| | 15 | | | 16 | |
| SPACE | 17 | | | 18 | SPACE |
| SPACE | 19 | | | 20 | SPACE |
| SPACE | 21 | | | 22 | SPACE |
| SPACE | 23 | | | 24 | SPACE |
| SPACE | 25 | | | 26 | SPACE |
| SPACE | 27 | | | 28 | SPACE |
| SPACE | 29 | | | 30 | SPACE |

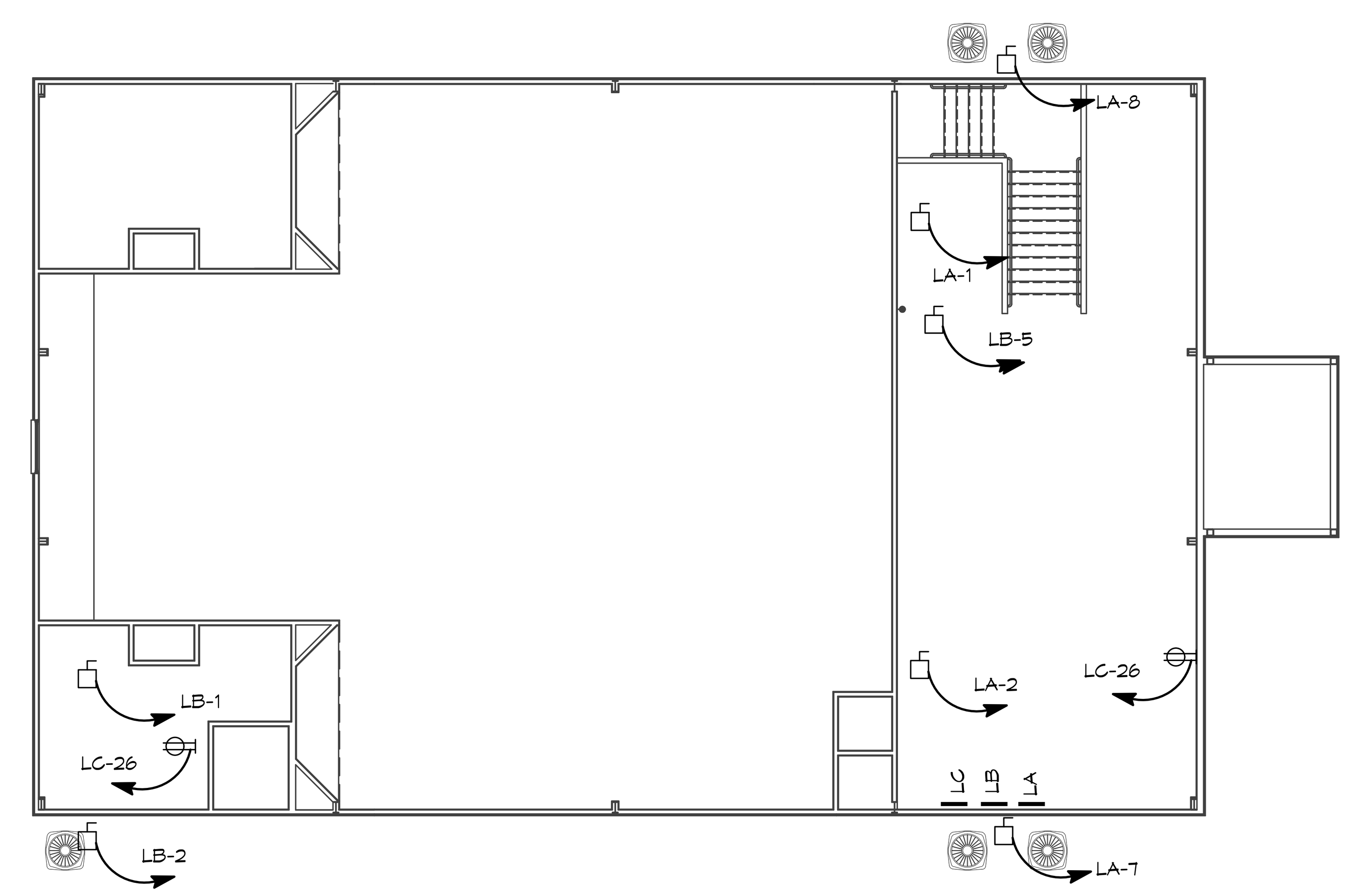
| | | |
|---|---|---|
| VOLTAGE: 120/208V 3 PHASE 4 WIRE SN | PANEL NO. | LA |
| MAIN BREAKER: 200A, MCB | | |
| MOUNTING: SURFACE | LOCATION | SEE PLANS |
| NOTE: | | |




## 5 ONE LINE DIAGRAM
SCALE: NTS — ELECTRICAL




## 4 ELECTRICAL PLAN - LIGHTING
SCALE: 3/32" = 1'-0" — MECHANICAL MEZZANINE



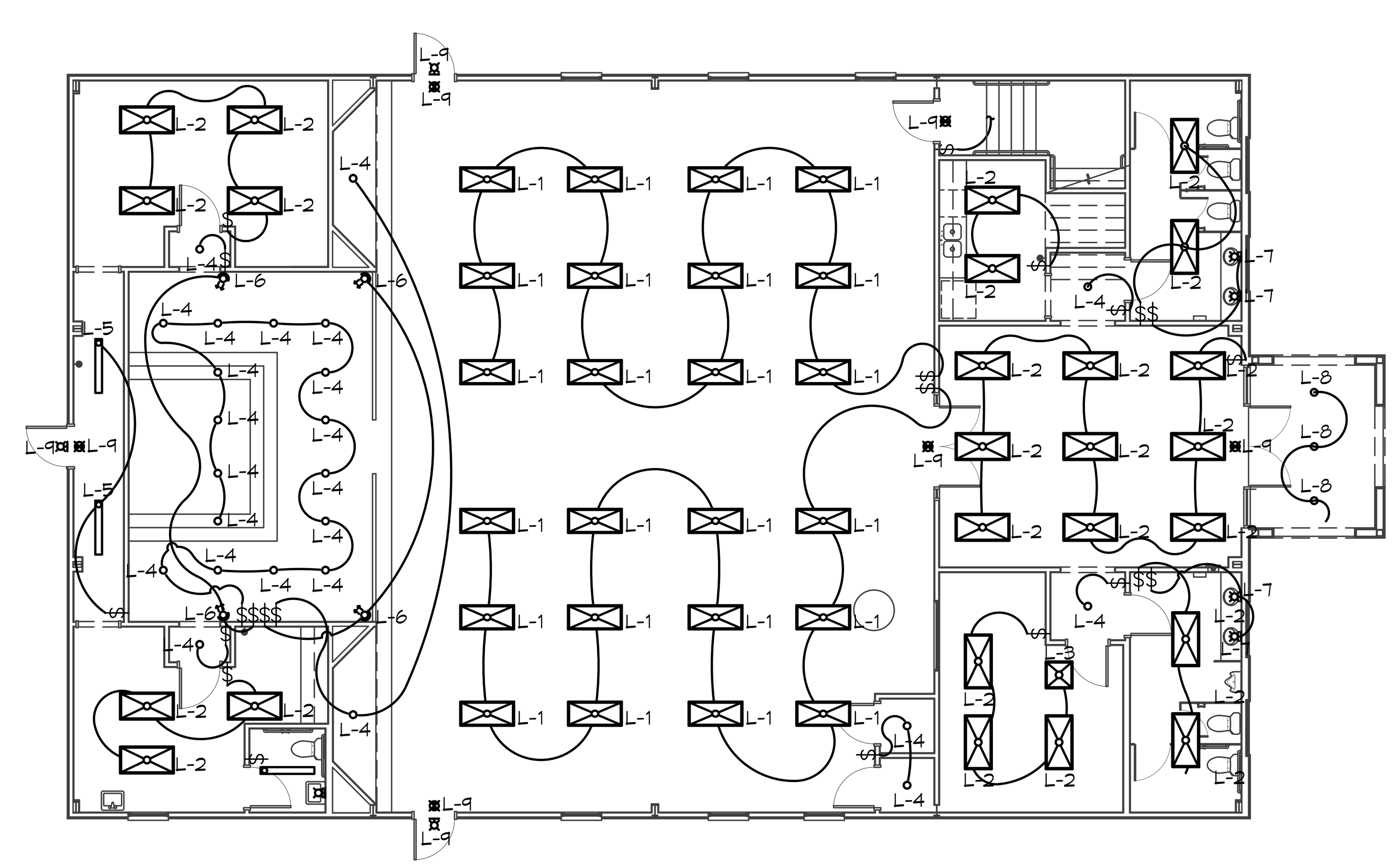

## 3 ELECTRICAL PLAN - POWER
SCALE: 3/32" = 1'-0" — MECHANICAL MEZZANINE

## GENERAL LIGHTING NOTES

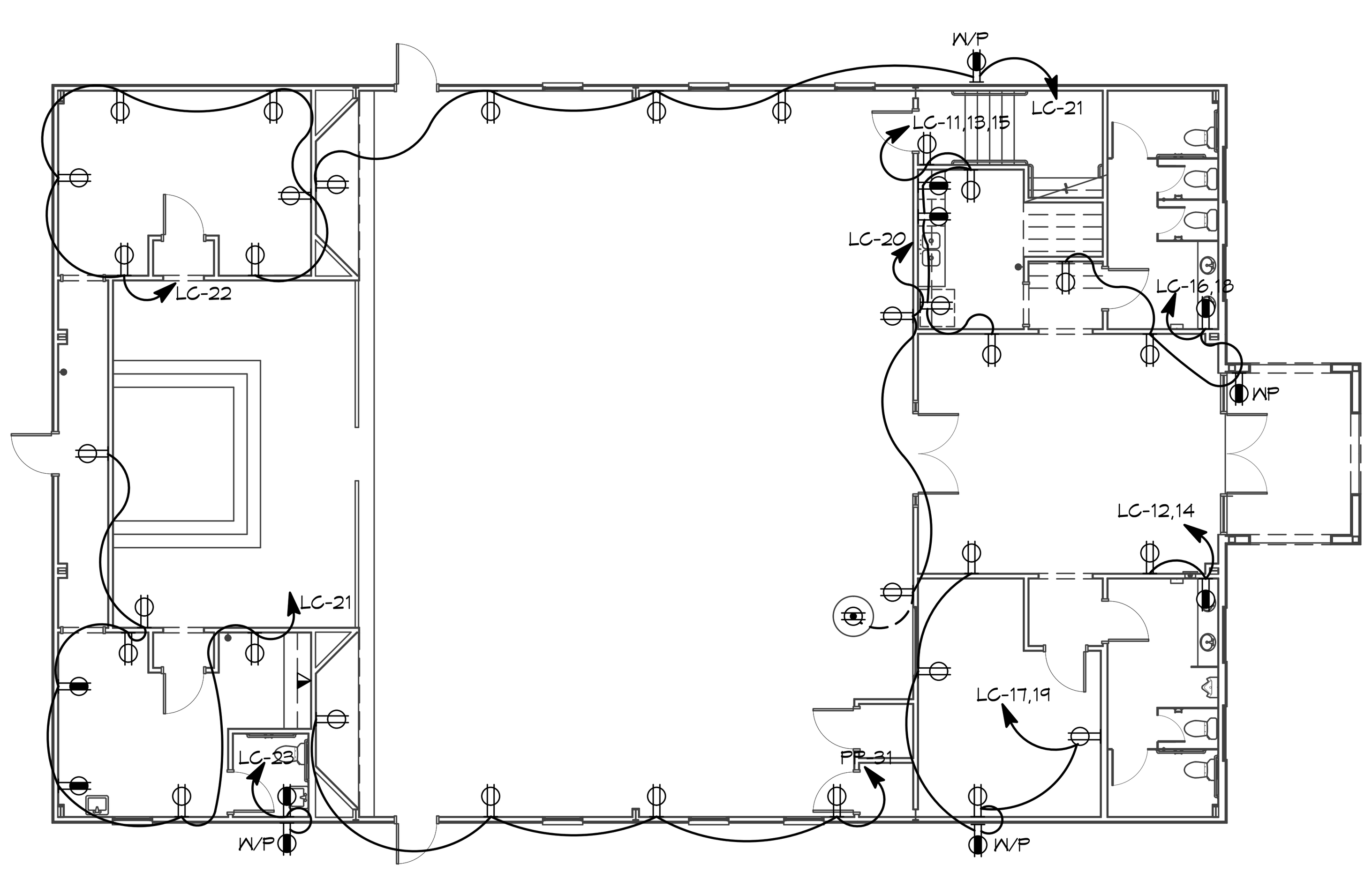
1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES, RULES, REGULATIONS, AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
2. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONFLICTS OCCUR BETWEEN LIGHTING AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
4. WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
5. ALL CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
6. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
7. ALL CONDUCTORS SHALL BE COPPER.
8. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
9. MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
10. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANGED BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
11. EACH DIMMER SWITCH SHALL HAVE A WATTING RATING 25% HIGHER THAN THE TOTAL WATTAGE OF AL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 600, 1000, 1500, AND 2000 WATTS, LUTRON NOVA T-STAR. WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR. FLUORESCENT AND LOW VOLTAGE DIMMERS HAL LBE LUTRON NOVA T-STAR.
12. WHERE FLUORESCENT FIXTURES ARE SHOWN TO BE DIMMED, THE FIXTURES SHALL HAVE DIMMING TYPE BALLASTS WHICH ARE COMPATIBLE WITH THE SPECIFIED DIMMERS.
13. WHERE LED FIXTURES/LAMPS ARE SHOWN TO BE DIMMED, THE DIMMER SHALL BE COMPATIBLE WITH THE FIXTURE/LAMP SPECIFIED OR PROVIDED.
14. ALL EMERGENCY LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
15. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.73G.

## LEGEND

- EMERGENCY LIGHT FIXTURE
- EXIT LIGHT FIXTURE - WALL MOUNTED
- EXIT LIGHT FIXTURE - CEILING MOUNTED
- CEILING FAN
- CLNG MTD FLUOR STRIP FIXTURE
- RECESSED CEILING LIGHT FIXTURE
- CLNG HUNG FLOUR STRIP FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- CLNG MTD FLUOR FIXTURE
- OUTDOOR LIGHT ON PHOTO TIMER- MTD IN GROUND
- PENDANT LIGHT FIXTURE
- EXHAUST FAN - SEE MECH
- LP — ELECTRIC PANEL BOARD
- CIRCUIT HOME RUN
- WALL MTD SPEAKER - PROVIDE RATED HOUSING FOR RATED WALLS WHERE INDICATED
- CLNG MTD SPEAKER - PROVIDE RATED HOUSING FOR RATED CEILING WHERE INDICATED
- * EXTEND TO FIXTURE(S) NOT SHOWN - SEE NOTE
- $ LIGHT SWITCH 120V COMMERCIAL GRADE
- $3 LIGHT SWITCH - 3-WAY 120V COMMERCIAL GRADE
- $D LIGHT SWITCH - DIMMER 120V COMMERCIAL GRADE




## 2 ELECTRICAL PLAN - LIGHTING
SCALE: 3/32" = 1'-0" — LEVEL 1




## 1 ELECTRICAL PLAN - POWER
SCALE: 3/32" = 1'-0" — LEVEL 1

## GENERAL ELEC POWER NOTES

1. 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.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. 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.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
9. 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.
10. 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.
11. 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.
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. 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 ABUTTING PROPERTY LINE.
19. 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.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
21. ALL RECEPTACLES AND SWITCHES ARE TO HAVE WEATHER PROOF COVERS IN APPARATUS BAY. 50% OF ALL EXTERIOR WEATHER PROOF COVERS SHALL BE IN-USE COVERS.

## LEGEND

| SYMB | DESCRIPTION |
|---|---|
| | STANDARD 120V DUPLEX RECEPTACLE, NEMA 5-2 OR 18" AFF (UNLESS OTHERWISE NOTED) |
| | SINGLE-POLE DEDICATED RECEPTACLE - REFER TO PANEL SCHEDULE FOR CIRCUIT SIZE |
| | GFCI DUPLEX RECEPTACLE |
| | GFCI QUAD RECEPTACLE |
| | 220V ELECTRIC DRYER RECEPTACLE - MOUNTED AT 30" AFF |
| | 220V DEDICATED GFCI RECEPTACLE |
| | WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED) |
| | STANDARD 120V DUPLEX RECEPTACLE - FLOOR MOUNTED |
| | STANDARD QUAD RECEPTACLE - WALL-MOUNTED |
| | STANDARD QUAD RECEPTACLE - FLOOR MOUNTED |
| | 125V 15 AMP DUPLEX-USB 5VDC 3 AMP HUBBELL USB CHARGER RECEPTACLE |
| | 125V 15 AMP QUADPLEX-USB 5VDC 3 AMP HUBBELL USB CHARGER RECEPTACLE |
| | JUNCTION BOX |
| | GENERATOR BATTERY CHARGER |
| | 2-BUTTON PUSH BUTTON STATION |
| | COAX-CABLE CONNECTION FOR TELEVISION |
| | WALL MOUNTED DATA OUTLET |
| | FLOOR DATA OUTLET |
| | POWER DISCONNECT |
| | GAS WATER HEATER ON DECK OR MEZZANINE ABOVE - SIZE AS NOTED ON PLAN |
| | AIR CONDITIONING AIR HANDLING UNIT ON DECK OR MEZZANINE ABOVE, SEE MECHANICAL DRAWINGS |
| | AIR CONDITIONING CONDENSER UNIT ON CONCRETE PAD, SEE MECHANICAL DRAWINGS |

NOTES:
1. CONNECT ALL EMERGENCY/EXIT LIGHT FIXTURES TO NEAREST CONSTANT POWER SOURCE.
2. THE #2 NEXT TO A RECEPTACLE OR DATA OUTLET DESIGNATES THAT THERE ARE TO BE TWO OUTLETS AT THAT LOCATION...ONE OVER THE OTHER (ONE HIGH & ONE LOW ON WALL) EXAMPLE: OR
3. REFER TO INTERIOR ELEVATIONS FOR MOUNTING HEIGHT AND ORIENTATION OF OUTLETS MOUNTED ABOVE COUNTERTOPS.


DAMMON ENGINEERING, INC.
Architects & Engineers
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832
F: 985.641.5950
Chief Architect: Kevin J. Kinchen, NCARB
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458


| # | DESCRIPTION | DATE |
|---|---|---|
| REVISIONS | | |

SEAL:

# PRO MULTIS LACOMBE CHAPEL

PW VORTISCH ROAD AND LA HWY 434
LACOMBE, LOUISIANA 70445

| JOB No: | 2250 | DATE: | SEPTEMBER 3, 2015 |
|---|---|---|---|
| DRAWN BY: | KJK | CHECKED BY: | KJK |


The above drawings and specifications, designs and arrangements represented thereby are and shall remain the property of Dammon Engineering, and no part thereof shall be copied, disclosed to others, or used in connection with any work or project other than the specific project for which the have been prepared and developed without written consent of Dammon Engineering. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.


SHEET TITLE:
ELECTRICAL PLANS - POWER AND LIGHTING

DRAWING NUMBER:
# E101




FILE NAME: J:\-- CHURCHES\2250 St. Gabriel -- KBK\Drawings\Current Drawings\E101.dwg PLOT DATE & TIME: Thursday, September 03, 2015 11:10:47 AM