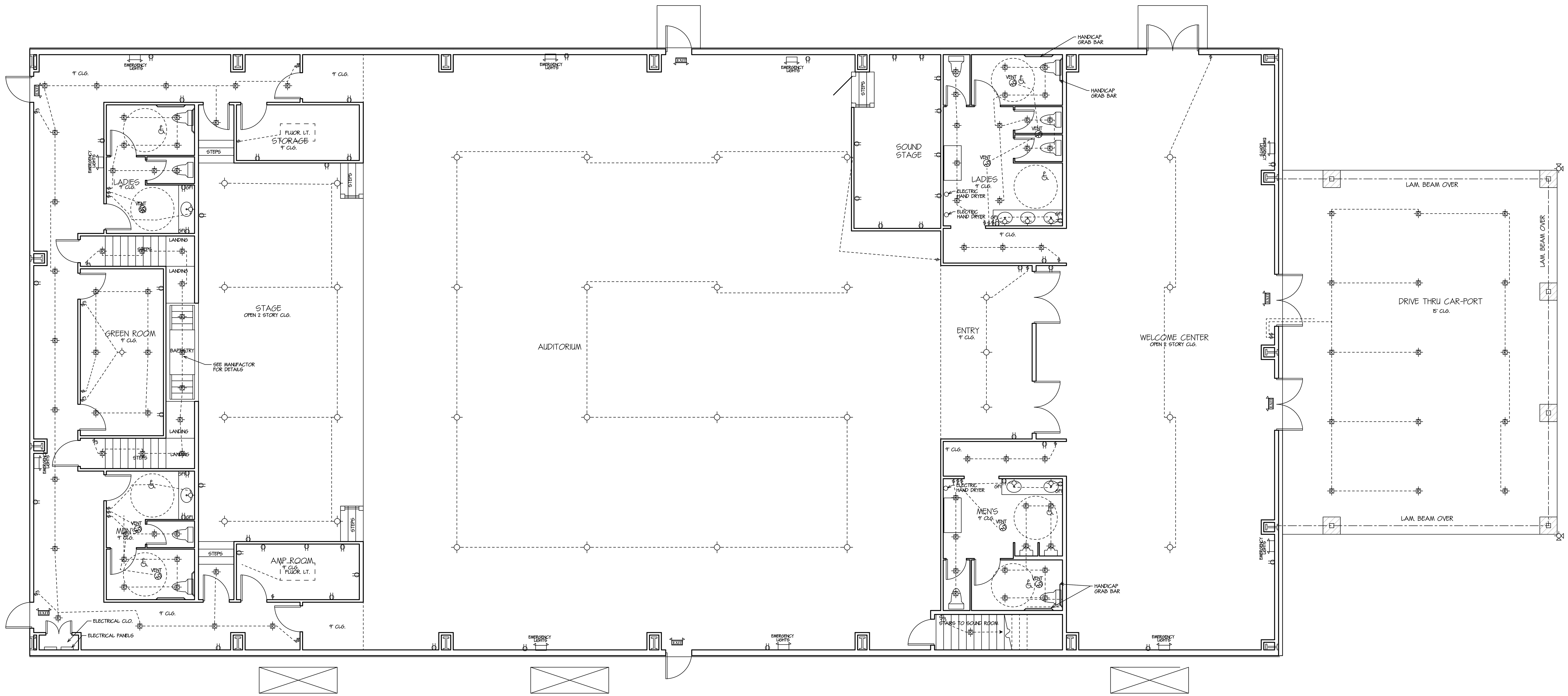

1ST LEVEL ELECTRICAL PLAN

SCALE 1/4"=1'-0"

NOTES:

SPRAY FOAM ON UNDER SIDE OF ROOF PANELS AND SUPPORTS
INSULATE EXTERIOR WALLS WITH STANDARD METAL BUILDING INSULATION THAT MEETS CODE
NO SPRINKLERS THEREFORE NO LOAD CALCULATIONS REQUIRED
HVAC UNITS ARE ON THE GROUND SEE PLANS FOR APPOXIMATE LOCATION

EMER — INDICATES EMERGENCY LIGHTING BATTERY BACKUP REQUIRED

EXIT — INDICATES LIGHTED EXIT SIGN WITH EMERGENCY LIGHTING BATTERY BACKUP REQUIRED

INDICATES FIRE EXTINGUISHER

LIGHTING LEGEND

Symbol	Description	Symbol	Description
	CEILING LIGHT	220v	220 V OUTLET
R	RECESS CAN	SD	SMOKE DETECTOR
	FLOOD LIGHT	CM	CARBON MONOXIDE DETECTOR
	FAN WITH LIGHT KIT	HVL	HEATER/VENT/LIGHT
		VL	VENT/LIGHT
FLUOR. LT.	FLUORESCENT LIGHT	CAMERA	CAMERA
	OUTLET	WP	WATERPROOF OUTLET

ELECTRICAL NOTES

NEC210.52 EACH GARAGE SHALL HAVE A LEAST ONE RECEPTACLE OUTLET FOR EACH CAR SPACE AND THE CIRCUIT SHALL NOT SUPPLY ANY OUTLETS OUTSIDE OF THE GARAGE.

NEC210.8 GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL.

(A) DWELLING UNITS. ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED IN (1) THROUGH (8) SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.
(1) BATHROOMS
(2) GARAGES, AND ALSO ACCESSORY BUILDINGS THAT HAVE A FLOOR LOCATED AT OR BELOW GRADE LEVEL NOT INTENDED AS HABITABLE ROOMS AND LIMITED TO STORAGE AREAS, WORK AREAS, AND AREAS OF SIMILAR USE
(3) OUTDOORS
(4) CRAWL SPACES AT OR BELOW GRADE LEVEL
(5) UNFINISHED BASEMENTS FOR PURPOSES OF THIS SECTION, UNFINISHED BASEMENTS ARE DEFINED AS PORTIONS OR AREAS OF THE BASEMENT NOT INTENDED AS HABITABLE ROOMS AND LIMITED TO STORAGE AREAS, WORK AREAS AND THE LIKE
(6) KITCHENS WHERE THE RECEPTACLES ARE INSTALLED TO SERVE THE COUNTERTOP SURFACES
(7) LAUNDRY, UTILITY, AND WET BAR SINKS WHERE THE RECEPTACLES ARE INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF THE SINK
(8) BOATHOUSES

NEC210.12 ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION

(A) DEFINITION: ARC-FAULT CIRCUIT-INTERRUPTER. AN ARC-FAULT CIRCUIT INTERRUPTER IS A DEVICE INTENDED TO PROVIDE PROTECTION FROM THE EFFECTS OF ARC FAULTS BY RECOGNIZING CHARACTERISTICS UNIQUE TO ARCING AND BY FUNCTIONING TO DE-ENERGIZE THE CIRCUIT WHEN AN ARC FAULT IS DETECTED.
(B) DWELLING UNITS. ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

EACH GARAGE SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET FOR EACH CAR SPACE AND THE CURUIT SHALL NOT SUPPLY ANY OULET OUTSIDE OF THE GARAGE NEC 210.52

NEC240.24 LOCATION IN OR ON PREMISES

(A) ACCESSIBILITY. OVERCURRENT DEVICES SHALL BE READILY ACCESSIBLE AND SHALL BE INSTALLED SO THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IN ITS HIGHEST POSITION, IS NOT MORE THAN 6 FEET 7 INCHES ABOVE THE FLOOR OR WORKING PLATFORM.
(B) OCCUPANCY. EACH OCCUPANT SHALL HAVE READY ACCESS TO ALL OVERCURRENT DEVICES PROTECTING THE CONDUCTORS SUPPLYING THAT OCCUPANCY.
(C) NOT EXPOSED TO PHYSICAL DAMAGE. OVERCURRENT DEVICES SHALL BE LOCATED WHERE THEY WILL NOT BE EXPOSED TO PHYSICAL DAMAGE.
(D) NOT IN VICINITY OF EASILY IGNITABLE MATERIAL. OVERCURRENT DEVICES SHALL NOT BE LOCATED IN THE VICINITY OF EASILY IGNITABLE MATERIAL, SUCH AS IN CLOTHES CLOSETS.
(E) NOT LOCATED IN BATHROOMS. IN DWELLING UNITS AND GUEST ROOMS OR GUEST SUITES OF HOTELS AND MOTELS, OVERCURRENT DEVICES, OTHER THAN SUPPLEMENTARY OVERCURRENT PROTECTION, SHALL NO BE LOCATED IN BATHROOMS.

NEC406.12: TAMPER PROOF RECEPTACLES SHALL BE INSTALLED IN ALL AREAS LESS THAN 66" ABOVE THE FLOOR.

IRC M 1305 APPLIANCE ACCESS REQUIREMENTS

1. MUST BE WITHIN 20 FEET OF ATTIC ACCESS
2. MINIMUM 24 INCH WIDE SOLID WALKING SURFACE WITH HEADROOM OF 30 INCHES IS TO BE PROVIDED
3. 30" X 30" SERVICE LOCATION IS REQUIRED AT UNIT
4. ATTIC LIGHTING REQUIRED - WITH LIGHT SWITCH AT ATTIC ENTRY

MECHANICAL VENTILATION TEST REQUIRED
IRC 2012 SECTION R303.4 REQUIRES A BLOWER DOOR TEST COMPLY WITH SECTION N 1102.4.1.2 FOR EACH DWELLING UNIT. A WRITTEN REPORT BY A THIRD PARTY INSPECTOR SHALL BE PROVIDED TO THE BUILDING INSPECTOR FOR APPROVAL.

IRC M 1503.4 MAKEUP AIR REQUIRED
EXHAUST HOOD SYSTEMS CAPABLE OF 400 CUBIC FEET PER MINUTE (0.19M 3/s) SHALL BE MECHANICAL OR NATURALLY PROVIDED WITH MAKEUP AIR AT A RATE APPROXIMATELY EQUAL TO THE EXHAUST AIR RATE. SUCH MAKEUP AIR SYSTEMS SHALL BE EQUIPPED WITH NOT LESS THAN ONE DAMPER. EACH DAMPER SHALL BE A GRAVITY DAMPER OR AN ELECTRICALLY OPERATED DAMPER THAT AUTMATICALLY OPENS WHEN THE EXHAUST SYSTEM OPERATES. DAMPERS SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION OR ANY OTHER DUCTS NOT CONNECTED TO THE DAMPER BEING INSPECTED, SERVICED, REPAIR, OR REPLACED.

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1ST LEVEL ELECTRICAL PLAN

PLANS FOR:
TRUE LIFE CHURCH
62160 AIRPORT ROAD
ST. TAMMANY PARISH, LA

HOUSE PLANS by
DesignTech
OF LOUISIANA, LLC
St. Tammany Parish, LA.
SLIDELL 985-847-0600

DATE 4-11-24

CODE	LIVING	AREA U. B.	INDEX
0	10080	11410	13069

DESIGNED BY	FINISHED BY	CHECKED BY	SHEET SIZE	
DMH	JMC	DMH	36" X 60"	E-1

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EMAIL: houseplans@designtechusa.com