

ELECTRICAL PANEL NOTE
 100 AMP PANEL-A REPLACED & UPGRADED AT SAME LOCATION
 100 AMP PANEL- B RELOCATED AND UPGRADED AS PER PROPOSED ELECTRICAL PLAN
 100 AMP PANEL- C RELOCATED AND UPGRADED AS PER PROPOSED ELECTRICAL PLAN



LOW VOLTAGE LEGEND

	DOOR BELL CHIMES
	DOOR BELL
	DOOR STRIKE BUTTON
	DOOR STRIKE LOCK
	SURVEILLANCE CAMERA
	ETHERNET PORT
	SOUND SPEAKER

- ELECTRICAL NOTES**
- ALL WORK IS TO BE INSTALLED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023, 8TH EDITION CHAPTER 27, ALSO COMPLY WITH ALL NEC - 2023, ANSI/NFPA 70, LOCAL CODES, STANDARDS AND REQUIREMENTS OF THE BUILDING OFFICIALS.
 - ALL WORK SHALL BE INSTALLED IN A NEAT AND ORDERLY MANNER PAYING PARTICULAR ATTENTION TO THE SUPPORTING OF CONDUCTORS, JUNCTION/TERMINATION BOXES, AND PANELS WHICH MUST BE SUPPORTED FROM STRUCTURAL ELEMENTS. ALL EQUIPMENT AND MATERIAL MUST BE NEW. THE ELECTRICAL CONTRACTOR MUST APPLY, PAY FOR AND SECURE AN ELECTRICAL BUILDING PERMIT BEFORE COMMENCING ANY WORK.
 - SUBMITTALS SHALL BE DELIVERED TO THE ARCHITECT & ENGINEER FOR REVIEW AND ALLOW 2 WEEKS FOR RETURN PRIOR TO ORDERING. THE ELECTRICAL CONTRACTOR MUST SUBMIT DETAILED INFORMATION FOR THE FOLLOWING ELECTRICAL SYSTEM COMPONENTS:
 - A. ELECTRICAL DEVICES
 - B. LIGHTING FIXTURES
 - C. ELECTRICAL DEVICES
 - D. CONDUCTORS
 - THE FOLLOWING CONDUCTORS AND RACEWAYS SHALL BE INSTALLED:
 - A. ABOVE GROUND CONCEALED BY FINISHED BUILDING ELEMENTS SHALL BE NEC APPROVED ELECTRICAL WRING SUPPORTED AS REQUIRED.
 - B. EXTERIOR SURFACE MOUNTED RACEWAYS SHALL BE RIGID METALLIC CONDUIT OR SCHEDULE 80 PVC PIPE WITH THREADED FITTINGS.
 - C. EXTERIOR CONNECTIONS TO PUMPS AND MOTORS SHALL BE LIQUID TIGHT FLEXIBLE CONDUIT.
 - D. SCHEDULE 40 PVC OR ELECTRICAL NONMETALLIC TUBING RACEWAYS SHALL BE USED FOR ALL UNDERGROUND SERVICE.
 - E. ALL CONDUCTORS ARE TO BE COPPER WITH 90 DEGREE C RATED INSULATION TYPE THHN.
 - F. EXTERIOR RACEWAYS, BOXES, COVER PLATES, ETC. SHALL BE WEATHERPROOF CONSTRUCTION.
 - CIRCUIT BREAKER PANEL BOARDS SHALL BE INCLUDED AS INDICATED IN THE PANEL SCHEDULES. INCLUDE CIRCUIT BREAKERS WHERE "SPARE" IS INDICATED. INTERIOR PANEL BOARDS SHALL BE SURFACE MOUNTED SQUARE D TYPE NOD PANEL BOARDS OR EQUAL IN NEMA TYPE 1 ENCLOSURE OR EQUAL PRODUCTS BY ITE OR GE. ALL PANEL BOARDS SHALL BE THE PRODUCT OF ONE MANUFACTURER.
 - THE FOLLOWING DEVICES SHALL BE USED:
 - A. ALL DEVICES SHALL BE RATED FOR THE RATING OF THE CIRCUIT BREAKER SERVING SUCH DEVICES; 30 AMP BREAKERS SHALL SERVE 30 AMP DEVICES, 20 AMP BREAKERS SHALL SERVE 20 AMP DEVICES.
 - B. EXTERIOR DEVICES SHALL BE ENCLOSED IN WEATHERPROOF ENCLOSURES.
 - C. COORDINATE THE EXACT CONFIGURATION OF SPECIAL DEVICES WITH THE ACTUAL EQUIPMENT BEING SUPPLIED.
 - D. PROVIDE GFI DEVICES AS INDICATED.
 - E. SMOKE DETECTORS SHALL BE INTERCONNECTED AND HAVE BATTERY BACK-UP.
 - F. DIMMERS SHALL BE RATED NO LESS THAN THE LOAD THEY SERVE.
 - G. DISCONNECT SWITCHES SHALL BE SQUARE D, GENERAL DUTY CLASS 3130, OR EQUAL ITE OR GE PRODUCT. PROVIDE TYPE 3R ENCLOSURE FOR EXTERIOR SERVICE AND TYPE 1 ENCLOSURE FOR INTERIOR SERVICE.
 - H. STANDARD DEVICES ARE AS FOLLOWS (PASS & SEYMOUR OR EQUAL):
 - 20A SWITCHES - 20AC SERIES
 - 20A RECEPTACLES - 5350 SERIES
 - COVER PLATES - STANDARD WHITE
 - JUNCTION BOXES SHALL BE METAL BOXES WITH ADDITIONAL STRUCTURAL SUPPORT FOR USE IN CEILINGS.
 - THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL ITEMS NECESSARY TO PROVIDE A COMPLETE AND CODE ACCEPTABLE OPERATING ELECTRICAL SYSTEM.
 - THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID FOR CONSTRUCTION.
 - THE CONTRACTOR SHALL PAY FOR ALL FEES, TAXES, TESTING, INSURANCE, SCAFFOLDING, SUPPORTING MEANS, ETC. AS REQUIRED.
 - PROVIDE SEPARATE GROUND AND NEUTRAL WIRES FOR ALL ISOLATED CIRCUITS.
 - PROVIDE A #6 SOLID GREEN INSULATED GROUND WIRE FROM A COLD WATER PIPE TO THE TELEPHONE/CABLE TV ENTRANCE POINT. BOND COLD WATER PIPE AT WATER HEATER.
 - SHORT CIRCUIT CURRENT RATINGS SHALL BE COORDINATED WITH THE EQUIPMENT MANUFACTURER TO ENSURE THE ALL FAULTS WILL TRIP THE OVERCURRENT DEVICE CLOSEST TO THE FAULT. ALL OVER CURRENT DEVICES SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 10,000 AIC.
 - COORDINATE THE EXACT REQUIREMENTS OF THE ENTRY SERVICE WITH FLORIDA POWER AND LIGHT.
 - PROVIDE ALL FUSES AND THERMAL OVERLOAD DEVICES FOR OPERATION OF ALL ELECTRICAL & MECHANICAL EQUIPMENT.
 - "PROVIDE" MEANS TO FURNISH AND INSTALL ALL ITEMS NECESSARY FOR COMPLETE OPERATION AND CODE COMPLIANCE.
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE FOR ALL WORK AND EQUIPMENT FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE CERTIFICATE OF OCCUPANCY AND SHALL REPLACE ALL DEFECTIVE MATERIALS AND CORRECT ALL PROBLEMS AT NO COST TO THE OWNER.
 - ALL LIGHTING FIXTURES SHALL COMPLY WITH THE FLORIDA ENERGY CODE LATEST EDITION.
 - INCLUDE PATCHING AND SEALING ALL WALLS, FLOORS, CEILINGS, ETC PENETRATED BY INSTALLATION OF ELECTRICAL WORK. ALL HOLES AND CRACKS SHALL BE SEALED TO PREVENT THE PASSAGE OF AIR, INSECTS, WATER, FIRE, ETC.
 - INCLUDE FINAL CLEANING OF ALL ELECTRICAL EQUIPMENT. PROVIDE TYPED SCHEDULES FOR EACH ELECTRICAL PANEL.
 - TOUCH-UP SCRATCHED PAINTED SURFACES W/ MANUFACTURER'S RECOMMENDED PAINT. LABEL ALL DISCONNECTS AND PANELS W/ PERMANENTLY ENGRAVED PLASTIC NAMEPLATES, MECHANICALLY ATTACHED.
 - NEC 406.8 RECEPTACLES IN DAMP OR WET LOCATIONS (A) & (B) ALL 15- AND 20 AMPERE, 125- AND 250 VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER OR NOT THE ATTACHMENT LUG OR IS INSERTED. ALL 15- AND 20 AMPERE, 125- AND 250-VOLT NON-LOCKING RECEPTACLES SHALL BE LISTED WEATHER-RESISTANT

LOW VOLTAGE PLAN
 SCALE: 1/16" = 1'-0"

- NOTES**
- ELECTRICAL CONTRACTOR SHALL EXACT EQUIPMENT VOLTAGES AND POWER REQUIREMENTS WITH EQUIPMENT NAMEPLATE PRIOR TO ROUGH-IN. IF ANY DISCREPANCY FOUND CONTACT ENGINEER IMMEDIATELY.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE MAGNETIC STARTERS, DISCONNECT SWITCHES, INTERLOCKS AND THERMO-OVERLOAD PROTECTION, WHERE IS REQUIRED.
 - GENERAL CONTRACTOR SHALL PROVIDE WALL BACKING ASS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT. VERIFY LOCATIONS AND HEIGHT REQUIREMENTS WITH KITCHEN EQUIPMENT CONTRACTOR AND OWNER.
 - CONTRACTOR SHALL COORDINATE EXACT EQUIPMENT LOCATION PRIOR TO ROUGH-IN.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL OUTLET LOCATIONS AND MOUNTING HEIGHTS. CHECK ALL REQUIREMENTS WITH LATEST MANUFACTURERS CUT SHEETS PRIOR TO ROUGH-IN. FOR ELEVATIONS REFER TO ARCHITECTS DRAWINGS.
 - CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER EXACT POS AND PRINTER RECEPTACLES AND DATA OUTLET LOCATIONS PRIOR TO ROUGH-IN.

Contractor Info

Project Type - Photovoltaic

Project Location:

File Name: _____

Title: **POWER PLAN**

Sheet Size:
 ANSI full bleed B (17.00 x 11.00 Inches)

Drawing history

no.	drawn by	revision	date
01	----	----	--/--/--

Design

