INSTALLATION NOTES - ELECTRICAL

- CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS PRIOR TO
- INCREASE CONDUCTOR SIZES ON 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.
- RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE THE GENERAL AND APPROXIMATE LOCATION. THE LAYOUT DOES NOT NECESSARILY SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED, NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE
- LIGHT FIXTURES, SWITCHES, DEVICES, ETC. ARE SHOWN IN PREFERRED LOCATION. E.C. RESPONSIBLE FOR MODIFYING CONDUIT, HANGERS, CIRCUITING, ETC. TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
- PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. THE CONDUIT SYSTEM SHALL NOT BE USED AS THE ONLY EQUIPMENT GROUNDING METHOD.
- DO NOT INSTALL DEVICES BACK TO BACK ON OPPOSITE SIDES OF WALL. MAINTAIN MINIMUM OF 8" DISTANCE BETWEEN WHEREVER APPLICABLE.
- BALANCE THE LOAD ON PANELS AS EVENLY AS POSSIBLE DURING INSTALLATION. CIRCUIT NUMBERING SHOWN ON PLANS MAY BE ADJUSTED.
- PROVIDE FINAL TYPED PERMANENT PANEL DIRECTORY AT PROJECT COMPLETION. CONTRATOR IS RESPONSIBLE FOR OPENINGS IN WALLS CREATED BY THEIR WORK. PENETRATIONS SHALL BE SEALED IN ACCORDANCE WITH THE RATINGS OF THE AFFECTED WALL. REFER TO ARCHITECTURAL CODE PLAN FOR RATED WALLS.

INSTALLATION NOTES - LIGHTING

- UNLESS NOTED OTHERWISE, CONNECT ALL EMERGENCY BATTERY FIXTURES WITH AN UN-SWITCHED LEG OF THE LIGHTING CIRCUIT THAT SERVES THE SPACE THE EMERGENCY FIXTURE IS LOCATED WITHIN. NORMAL SWITCHING SCHEME SHOULD BE MAINTAINED UNDER NORMAL OPERATING OF EMERGENCY FIXTURES DESIGNATED.
- WIRE PER EMERGENCY FIXTURE OR TRANSFER DEVICE INSTRUCTIONS. VERIFY CEILING TYPE (IE. GRID, GYP) WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO RELEASE OF LIGHTING FIXTURE EQUIPMENT PACKAGE. ADJUST FIXTURE TYPE, CONSTRUCTION, FLANGE, OR OTHER COORDINATION DETAILS AS REQUIRED FOR CEILING TYPE.
- OCCUPANCY SENSORS SHOWN ON PLANS ARE SUGGESTED LOCATIONS ONLY AND MUST BE VERIFIED WITH SPECIFIC MANUFACTURER GUIDELINES AND INSTALLATION RECOMMENDATIONS AS NOTED IN LIGHTING CONTROL SHOP DRAWINGS. ADJUST LOCATIONS AS REQUIRED TO MEET MANUFACTURER GUIDELINES.
- PROVIDE LIGHTING CONTROL SYSTEMS AS A COMPLETE OPERATING SYSTEM AND INCLUDE MATERIAL AND INSTALLATION FOR ALL POWER PACKS, ACCESSORIES, CONTROLLERS, AND WIRING REQUIRED FOR THE SYSTEM.

CODE NOTES - ELECTRICAL

- THE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND
- NATIONAL CODES. THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE SHALL BE THE STANDARD FOR THE ELECTRICAL INSTALLATION, NEC 2017. VERIFY WITH LOCAL OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DESCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.
- INSTALLATION SHALL FOLLOW ALL REQUIREMENTS OF THE ADAAG AMERICANS WITH DISABILITIES ACT.

BUILDING EQUIPMENT COORDINATION NOTES - ELECTRICAL

- REFER TO HVAC, PLUMBING, AND FIRE PROTECTION EQUIPMENT CONNECTION SCHEDULE FOR COORDINATION DETAILS BETWEEN MECHANICAL AND ELECTRICAL
- THE ELECTRICAL SYSTEMS SHALL BE PROVIDED AND INSTALLED UNDER THIS CONTRACT TO MEET THE REQUIREMENTS OF THE SPECIFIED MECHANICAL SYSTEMS. THE ENTIRE PROJECT DOCUMENTS AND MANUALS SHALL BE REFERENCED AS A COMPLETE PROJECT. ELECTRICAL CONTRACTOR SHALL REFER TO ALL SCHEDULES, DETAILS, AND NOTES AND PROVIDE ELECTRICAL EQUIPMENT, WIRING, AND INSTALLATION REQUIRED UNDER THIS PROJECT.
- PROVIDE ELECTRICAL CONNECTIONS AND ACCESSORIES INCLUDING STARTERS, DISCONNECTS, CONTROL WIRING, ETC. AS REQUIRED FOR THE BUILDING MECHANICAL EQUIPMENT. INFORMATION HEREIN AND ON THE DRAWINGS IS FOR GENERAL DESCRIPTION AND ESTIMATING PURPOSES ONLY. VERIFY VOLTAGE, AMPERAGE, PHASE, INRUSH, ETC. FOR EACH ITEM OF EQUIPMENT BEFORE PROCEEDING WITH WIRING FOR IT. WIRING DETAILS SHALL BE IN ACCORDANCE WITH INSTRUCTIONS TO BE FURNISHED BY THE SUPPLIERS OF THE EQUIPMENT AS NECESSARY TO PROVIDE PROPER OPERATION OF THE EQUIPMENT.
- REVIEW MECHANICAL EQUIPMENT SHOP DRAWINGS FOR COMPLIANCE AND COORDINATION WITH ELECTRICAL CONNECTIONS. NOTIFY ENGINEER IF CHANGES TO ELECTRICAL CONNECTIONS, WIRING, AND BREAKER REQUIREMENTS ARE NECESSARY TO ACCOMMODATE EQUIPMENT BEING SUPPLIED.
- NO ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE RELEASED UNTIL ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL INFRASTRUCUTRE HAS BEEN SUBMITTED AND APPROVED. ADJUSTMENTS TO BREAKER SIZES AND SIMILAR CHANGES MUST BE MADE TO ELECTRICAL EQUIPMENT PRIOR TO RELEASE, FABRICATION, AND SHIPPING OF ELECTRICAL EQUIPMENT. COORDINATE SCHEDULING OF SHOP DRAWINGS WITH ALL TRADES SUCH AS NOT TO CAUSE ANY DELAYS TO PROJECT.
- PROVIDE DISCONNECTS RATED FOR EQUIPMENT AS REQUIRED AND AS INDICATED WITHIN EQUIPMENT CONNECTION SCHEDULE. MOUNTING OF DISCONNECTS SHOULD BE COORDINATED TO ALLOW FOR REMOVAL OF MECHANICAL EQUIPMENT WITHOUT NEEDING TO REMOVE THE DISCONNECT AND MINIMIZE WIRING WORK REQUIRED. ALL MECHANICAL EQUIPMENT DISCONNECTS SHALL BE HEAVY DUTY TYPE AND RATED

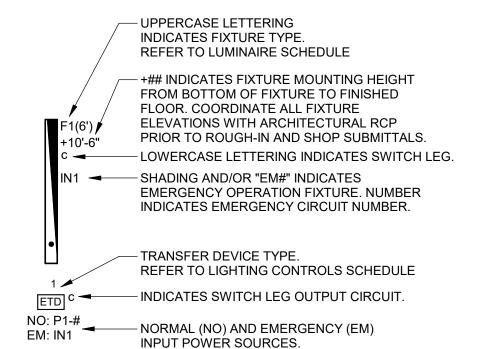
FOR THE ENVIRONEMENT THEY SERVE. EXTERIOR DISCONNECTS SHALL BE RATED A

MINIMM OF 3R OR AS INDICATED. VERIFY LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND MECHANICAL CONTRACTOR. ADJUST ELECTRICAL INSTALLATION AS REQUIRED.

DEMOLITION AND RENOVATION NOTES - ELECTRICAL

- THE ELECTRICAL DEMOLITION DRAWING SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN, AND SUCH ITEMS SHALL BE DEALT
- WITH IN A MANNER SIMILAR TO THOSE ITEMS WHICH ARE SHOWN. CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING ELECTRICAL SYSTEM WHICH WILL BE AFFECTED BY THE DEMOLITION WORK. CONTRACTOR SHALL OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE DEMOLITION AREA. SUCH PERMISSION WILL BE GRANTED ONLY AFTER OWNER'S REPRESENTATIVE IS INFORMED OF THE REASON FOR AND DURATION OF THE SHUTDOWN AND IS SATISFIED THAT THE SHUTDOWN CAN BE MADE WITH AS LITTLE INCONVENIENCE TO OTHER AREAS AS POSSIBLE.
- PROVIDE PLANT, LABOR, AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR
- THE AREA TO RECEIVE THE NEW WORK TO BE PROVIDED UNDER THIS CONTRACT. CONDUITS, BOXES, ETC., SHALL BE REMOVED AS REQUIRED BY WALL AND CEILING DEMOLITION AND ADJACENT REMOVALS. REMOVE EXISTING WIRING FOR REMOVED
- ALL WIRING FOR REMODELED AREAS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE. ALL CONDUIT SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE OR WHERE FIELD VERIFIED FOR SUITABLE USE WHEN LOCATED WITHIN EXISTING BLOCK
- WALLS OR BELOW SLABS. BRANCH CIRCUITS TO BE DISCONNECTED SHALL BE IDENTIFIED AS TO LOCATION OR ITEM
- SERVED BEFORE DISCONNECTING. CIRCUITS SERVING AREAS BEYOND THE DEMOLITION AREA SHALL BE MAINTAINED. EXTEND AND/OR RECONNECT NEW WIRING TO EXISTING AS REQUIRED TO MAINTAIN EXISTING CIRCUITS.
- EXISTING BUILDING SYSTEMS THAT ARE NOT AFFECTED BY THE SCOPE OF THE PROJECT ARE TO BE KEPT OPERATIONAL IN OCCUPIED AREAS OF THE BUILDING THROUGH THE DURATION OF THE PROJECT. COORDINATE REQUIRED OUTAGES WITH THE OWNER IN ADVANCE OF SHUT DOWN.
- INSTALL STAINLESS STEEL COVER PLATE OVER HOLE AT REMOVED DEVICE LOCATIONS, INCLUDING BUT NOT LIMITED TO, RECEPTACLES, SWITCHES, JUNCTION BOXES, ETC. PROVIDE CUTTING AND PATCHING OF EXISTING CONSTRUCTION AS REQUIRED FOR THE
- PROPER COMPLETION OF THE DEMOLITION WORK AND THE INSTALLATION OF THE NEW EQUIPMENT AND DEVICES SHOWN AS EXISTING OR AS REMOVE/RELOCATE SHALL BE PROTECTED AND HANDLED WITH APPROPRIATE CARE SO AS TO MAINTAIN FULL
- FUNCTIONAL AND AESTHETIC INTEGRITY OF THE DEVICE. REMOVED EQUIPMENT AND SYSTEMS SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. ALL MATERIALS NOT SALVAGED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR PROPER DISPOSAL.

<u>₃</u> GROUND BAR TELECOMMUNICATIONS MAIN GROUND BAR TELECOMMUNICATIONS GROUND BAR TELECOMMUNICATIONS INFRASTRUCTURE SYMBOLS DATA CABLING - SEE SCHEDULE FOR EXACT REQUIREMENTS CABLE TELEVISION LOCATION - RADIO GRADE CABLING



LIGHTING PLANS NOTATION KEY

FIRE DETECTION AND ALARM SYMBOLS

MANUAL FIRE ALARM PULL STATION

SMOKE DETECTOR

DUCT SMOKE DETECTOR

CARBON MONOXIDE DETECTOR

HEAT DETECTOR

COMBINATION HORN WITH STROBE - WALL MOUNTED

STROBE - WALL MOUNTED

ADDRESSABLE INPUT MODULE

ADDRESSABLE OUTPUT MODULE FIRE ALARM CONTROL PANEL + EMERGENCY COMMUNICATIONS PANEL

GENERAL SYMBOLS

JUNCTION BOX, CEILING OR FLOOR MOUNTED.

JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED.

CIRCUIT HOMERUN, CONCEALED CONDUIT OR CABLE

KEYNOTE

EQUIPMENT IDENTIFICATION TAG. REFER TO EQUIPMENT CONNECTION SCHEDULE

NSIM DETAIL DRAWING REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE

GROUNDING AND BONDING SYMBOLS

SEE RISER DIAGRAM AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

WIRELESS ACCESS POINT- SEE SCHEDULE FOR EXACT REQUIREMENTS

SEE RISER DIAGRAM AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

ELECTRICAL ABBREVIATIONS

N NEW DEVICE IN EXISTING LOCATION

NIC NOT IN CONTRACT DEVICE MOUNTED +8" ABOVE COUNTER TOP (VERIFY LOCATION) NONMETALLIC ABOVE FINISHED FLOOR NTS NOT TO SCALE ATS AUTOMATIC TRANSFER SWITCH OC ON CENTER OFCI OWNER FURNISHED CEILING CIRCUIT BREAKER CONTRACTOR INSTALLED CURRENT TRANSFORMER OFOI OWNER FURNISHED. EXISTING ITEM TO REMAIN OWNER INSTALLED ELECTRICAL CONTRACTOR EXISTING ITEM TO BE REMOVED EMERGENCY LIGHT FIXTURE EXISTING ITEM TO BE REMOVED AND NEW LOCATION OF EXISTING ITEM RELOCATED RN EXISTING ITEM TO BE REMOVED AND ROUGH IN FOR FUTURE DEVICE FAAP FIRE ALARM ANNUNCIATOR PANEL REPLACED WITH NEW SCCR SHORT CIRCUIT CURRENT RATING FACP FIRE ALARM CONTROL PANEL FSD FIRE SMOKE DAMPER TAMPER PROOF DEVICE GROUND FAULT CIRCUIT INTERRUPTER TCC TEMPERATURE CONTROL CONTRACTOR **TELEVISION** GND GROUND KVA KILO-VOLT-AMPERES TYPICAL KILOWATTS UNINTERRUPTIBLE POWER SUPPLY MECHANICAL CONTRACTOR VOLTS MCB MAIN CIRCUIT BREAKER **VOLT-AMPERES** MDP MAIN DISTRIBUTION PANEL WIREGUARD COVER MLO MAIN LUGS ONLY WEATHERPROOF DEVICE

WR

WEATHER RESISTANT DEVICE

INDICATES MOUNTING HEIGHT CENTER

LINE OF DEVICE TO FINISHED FLOOR

POWER SYMBOLS

DUPLEX RECEPTACLE, CEILING MOUNT

DUPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED

DUPLEX GFCI RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED

DUPLEX RECEPTACLE, MOUNTED WITHIN WATER COOLER HOUSING, VERIFY HEIGHT. CONNECT TO GFCI, CIRCUIT BREAKER OR REMOTE WALL DEVICE.

DUPLEX GFCI WEATHER RESISTANT RECEPTACLE WITH WEATHER-PROOF IN-USE COVER, TAMPER-RESISTANT, WALL MOUNT +24", OR AS NOTED

QUADRAPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED

QUADRAPLEX GFCI RECEPTACLE, TAMPER-RESISTANT,

WALL MOUNT +18", OR AS NOTED SPECIAL RECEPTACLE, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR RECEPTACLE TYPE

EQUIPMENT CONNECTION, REFER TO ELECTRICAL EQUIPMENT CONNECTION

SCHEDULE FOR CONNECTION TYPE EQUIPMENT CONNECTION, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL

EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE

JUNCTION BOX, WITH PULL STRING, WALL MOUNT REFER TO PLAN OR DETAIL FOR MOUNTING HEIGHT

GROUND BAR

SURGE PROTECTIVE DEVICE

SAFETY DISCONNECT SWITCH

VFD WITH INTEGRAL DISCONNECT

EMERGENCY PUSH BUTTON

PANELBOARD - SURFACE MOUNTED

PANELBOARD - RECESSED IN WALL

DISTRIBUTION PANELBOARD/SWITCHBOARD - SURFACE MOUNTED AS NOTED.

CORD REEL, CEILING MOUNTED - REFER TO DETAIL

GENERATOR GEN

GROUND RING

LIGHTING SYMBOLS

RECESSED LIGHT FIXTURE, LETTER INDICATES SWITCH LEG (TYPICAL), SHADING INDICATES EMERGENCY LIGHT (TYPICAL)

ROUND LIGHT FIXTURE - SURFACE MOUNTED

SURFACE MOUNTED STRIP FIXTURE

LINEAR PENDANT MOUNTED FIXTURE

EMERGENCY LIGHT FIXTURE, WALL MOUNT, +96" OR AS NOTED

EMERGENCY LIGHT FIXTURE, CEILING MOUNT

WALL MOUNTED STRIP LIGHT FIXTURE.

EXIT SIGN, WALL MOUNT +96", SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS

EXIT SIGN, CEILING MOUNT, SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS

EXTERIOR LIGHT FIXTURE, WALL MOUNT +10', OR AS NOTED

INTERIOR LIGHT FIXTURE, WALL MOUNT

EXTERIOR FLOOD LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE

CEILING FAN

SINGLE POLE SWITCH, WALL MOUNT +48", OR AS NOTED, LETTER INDICATES SWITCH LEG

THREE WAY SWITCH, WALL MOUNT +48", OR AS NOTED, LETTER INDICATES SWITCH LEG

OCCUPANCY SENSOR, WALL MOUNT +48" OR AS NOTED, NUMBER INDICATES TYPE, LETTER INDICATES SWITCH LEG, REFER TO LIGHTING CONTROLS SCHEDULE

OCCUPANCY SENSOR, CEILING MOUNT, NUMBER INDICATES TYPE, LETTER INDICATES SWITCH LEG, REFER TO LIGHTING CONTROLS SCHEDULE

DAYLIGHTING SENSOR, CEILING MOUNT, NUMBER INDICATES TYPE, LETTER INDICATES SWITCH LEG, REFER TO LIGHTING CONTROLS SCHEDULE

ENGINEERING

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KCL #21088 2021.10.31

Revision

Project No:

PERMIT SET

Drawing Name: **ELECTRICAL GENERAL** NOTES AND SYMBOLS

KEYNOTES

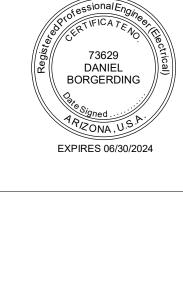
- PROVIDE AND INSTALL FULLY OPERATIONAL LEVEL 2 NETWORKED DUAL PORT PUBLIC USE CHARGING STATION EQUAL TO LEVITON EVR-GREEN 4000 SERIES CPHUS-BPMBX-CPCAPB-CPCBX-CPCMK. FREE STANDING BOLLARD TYPE WITH CONCRETE BASE MOUNTING KIT. NEMA 3R ENCLOSURE. DUAL CHARGING PORTS WITH INTEGRAL CABLE MANAGEMENT. CHARGEPOINT NETWORK SERVICE ENABLED WITH INTEGRAL LTE CELLULAR SIM CARD NETWORK CAPABLE. COLOR LCD DISPLAY AND RFID CARD READER. POWERED THROUGH (2) 208V 40A/2P SINGLE PHASE CIRCUITS. INTEGRAL SURGE SUPPRESSION. FULLY UL LISTED FOR APPLICATION. PROVIDE AS A COMPLETE PACKAGE INCLUDING ALL MANUFACTURER REQUIRED START-UP SERVICES, PROGRAMMING, STANDARD WARRANTY, AND 5 YEAR SERVICE PLAN WITH PURCHASE OF EQUIPMENT, BEGINNING AT SUBSTANTIAL COMPLETION.
- MAINTAIN EXISTING UNDERGROUND ELECTRICAL FROM WELL PUMP BUILDING TO EXISTING HYDRANT PUMP. REFER
- TO ENLARGED PLANS AND ONE-LINE DIAGRAMS. PV ARRAY SHOWN IS FOR QUANTITY AND APPROXIMATE LAYOUT ESTIMATION ONLY. FINAL RACKING LAYOUT REQUIREMENTS AND SPACING DETERMINED BY DELEGATED DESIGN SOLAR ENGINEER. MAINTAIN REQUIRED CLEARANCES/SPACES FOR OPTIMAL RADIANCE ABSORBTION. REFER TO SPECIFICATIONS AND DETAILS. MAINTAIN REQUIRED CLEARANCES TO GROUNDED SYSTEM PER NFPA 1.
- BID OPTION: BASE BID, PROVIDE CIRCUIT ROUGH-IN AND CONDUIT STUB-UP TO LOCATION SHOWN FOR FUTURE EV CHARGER INSTALLATION. UNDER BID OPTION PROVIDE AND FULLY INSTALL EV CHARGER AS INDICATED.
- PV PAD LAYOUT PER SOLAR ENGINEER FINAL DRAWINGS.

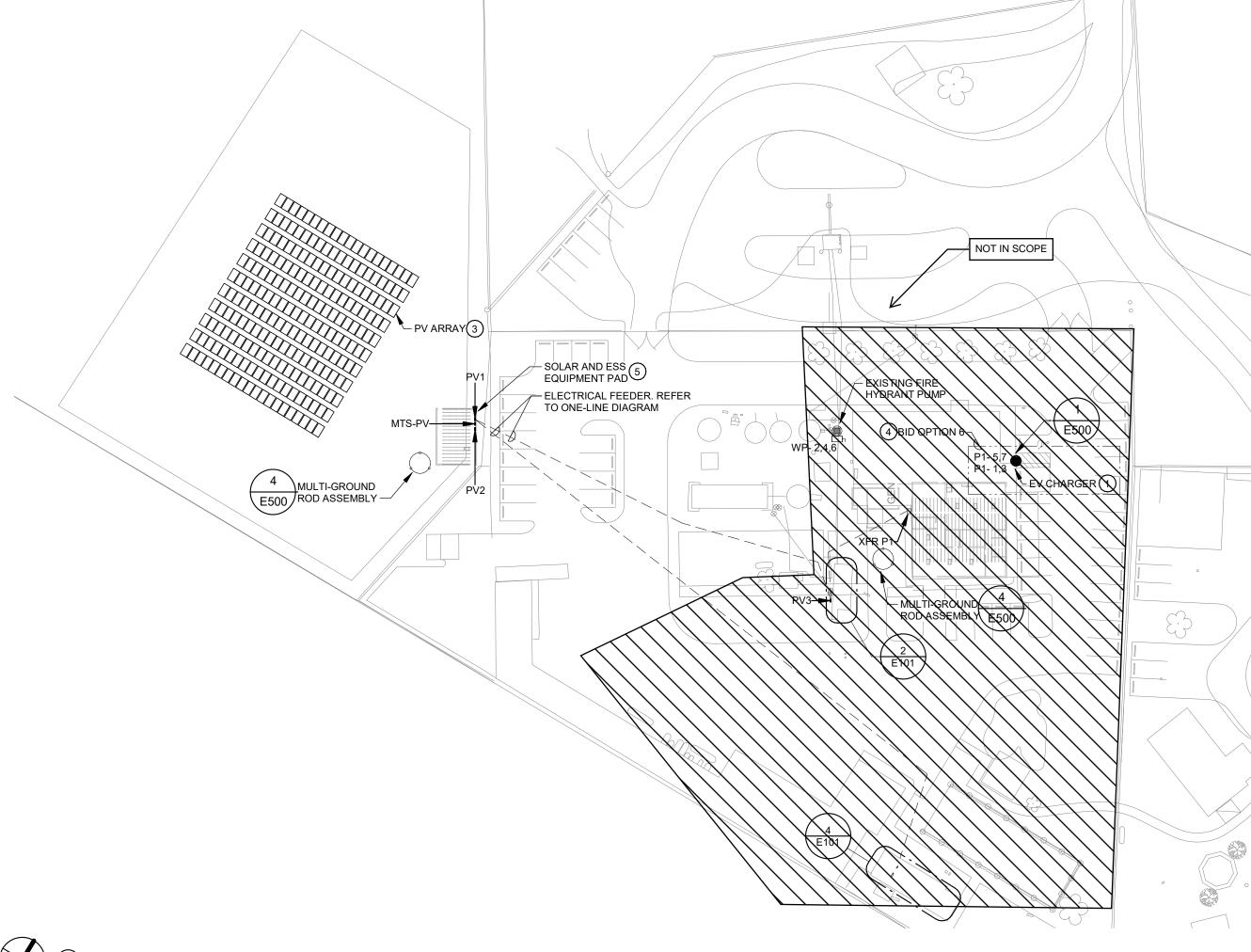
POWER GENERAL NOTES

- A. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS
- FOR THIS PROJECT. COORDINATE ELECTRICAL REQUIREMENTS FOR MECHANICAL UNITS
- WITH M.C. AND FINAL MECHANICAL SHOP DRAWINGS. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. COORDINATE FIRE RATED WALL PENETRATIONS AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATING.



ENGINEERING







1) ELECTRICAL SITE PLAN - DEMOLITION
1" = 50'-0"

2 ELECTRICAL SITE PLAN - NEW CONSTRUCTION
1" = 50'-0"

Drawing Name: ELECTRICAL SITE PLAN

PERMIT SET

KCL #21088

2021.10.31

E001

EX WELL PUMP

- EXISTING PANEL

- EXISTING DOMESTIC

PUMP AND DISCONNECT

— EXISTING WELL

PUMP(BELOW)

1 WELL PUMP BUILDING - DEMOLITION
1/4" = 1'-0"

SOFT STARTER —

PUMP AND VFD E

EX FIRE HYDRANT

PUMP VFD

ELECTRICAL DEMOLITION NOTES

CONTRACT.

1. DEMOLITION DRAWINGS PRESENT LAYOUT OF EXISTING

SUBMITTING OF A BID FOR THIS PROJECT.

CONDITIONS AND MAJOR MECHANICAL/ELECTRICAL ITEMS. THEY ARE NOT TO BE CONSTRUED AS COMPLETE IN

REMOVED, REPLACED, OR REWORKED. NOR SHOULD ACCESSIBILITY BE INFERRED. THE CONTRACTOR IS

RESPONSIBLE TO FAMILIARIZE THEMSELVES WITH THE BUILDING AND EXISTING CONDITIONS, PRIOR TO THE

REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO

THIS ELECTRICAL DEMOLITION DRAWING SHOWING EXISTING

CONDUITS, BOXES, ETC., SHALL BE REMOVED AS REQUIRED BY

WALL AND CEILING DEMOLITION AND REMOVALS. WIRING SHALL

BE REMOVED. ALL WIRING FOR THE REMODELED AREAS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE. ALL BRANCH CIRCUITS TO BE DISCONNECTED SHALL BE IDENTIFIED AS TO LOCATION OR ITEM SERVED BEFORE DISCONNECTING.

RECEIVE THE NEW WORK TO BE PROVIDED UNDER THIS

CONDITIONS HAS BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. ADDITIONAL COMPONENTS MAY EXIST WHICH DO NOT SHOW, AND SUCH ITEMS SHALL BE DEALT WITH IN A MANNER SIMILAR TO THOSE ITEMS WHICH DO SHOW. CONTRACTOR SHALL VISIT THE SITE

AND BECOME FAMILIAR WITH EXISTING CONDITIONS.

CIRCUITS SERVING AREAS BEYOND THE IMMEDIATE

REPRESENTATION OF ACCESSORIES AND INCIDENTALS TO BE

ENGINEERING

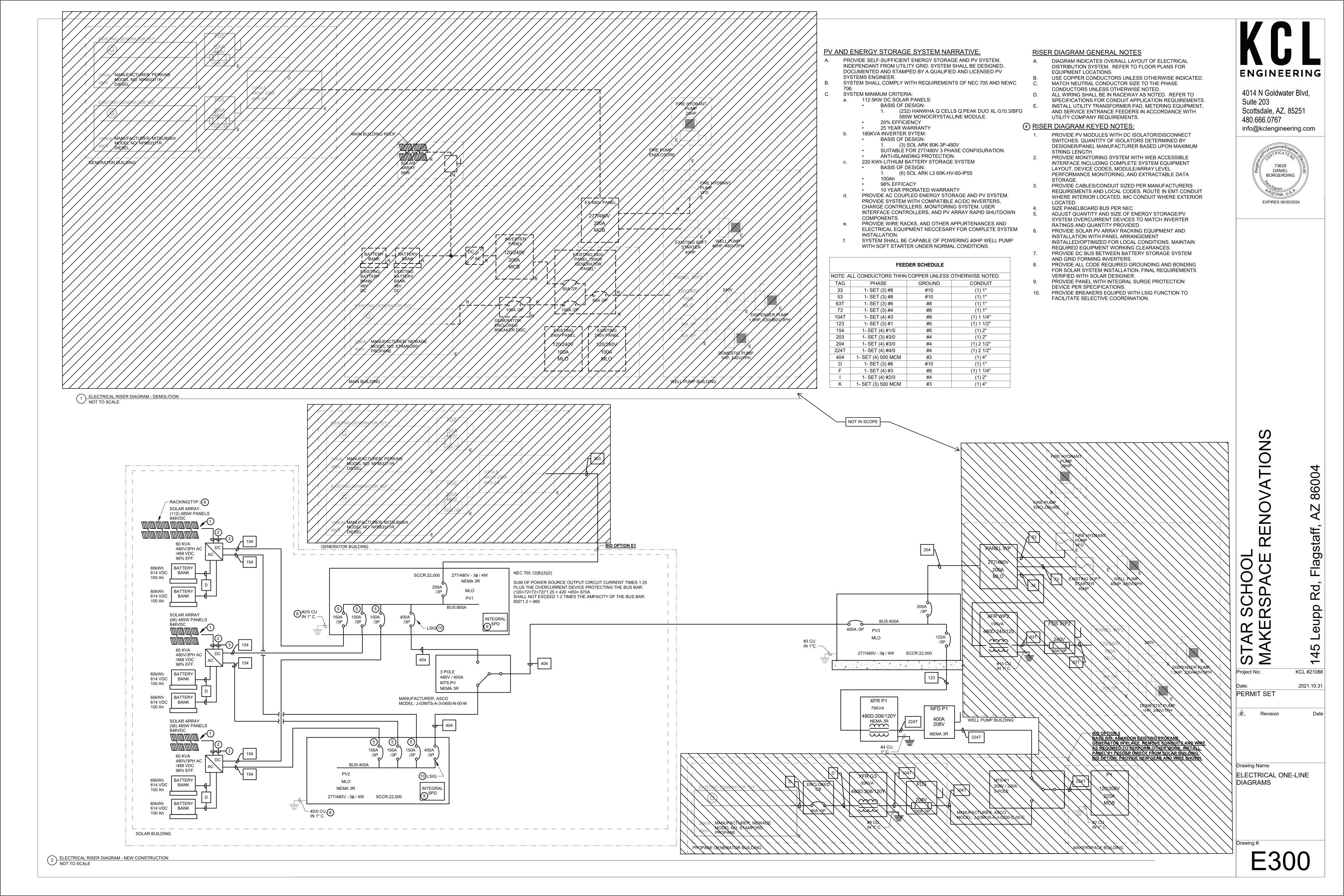
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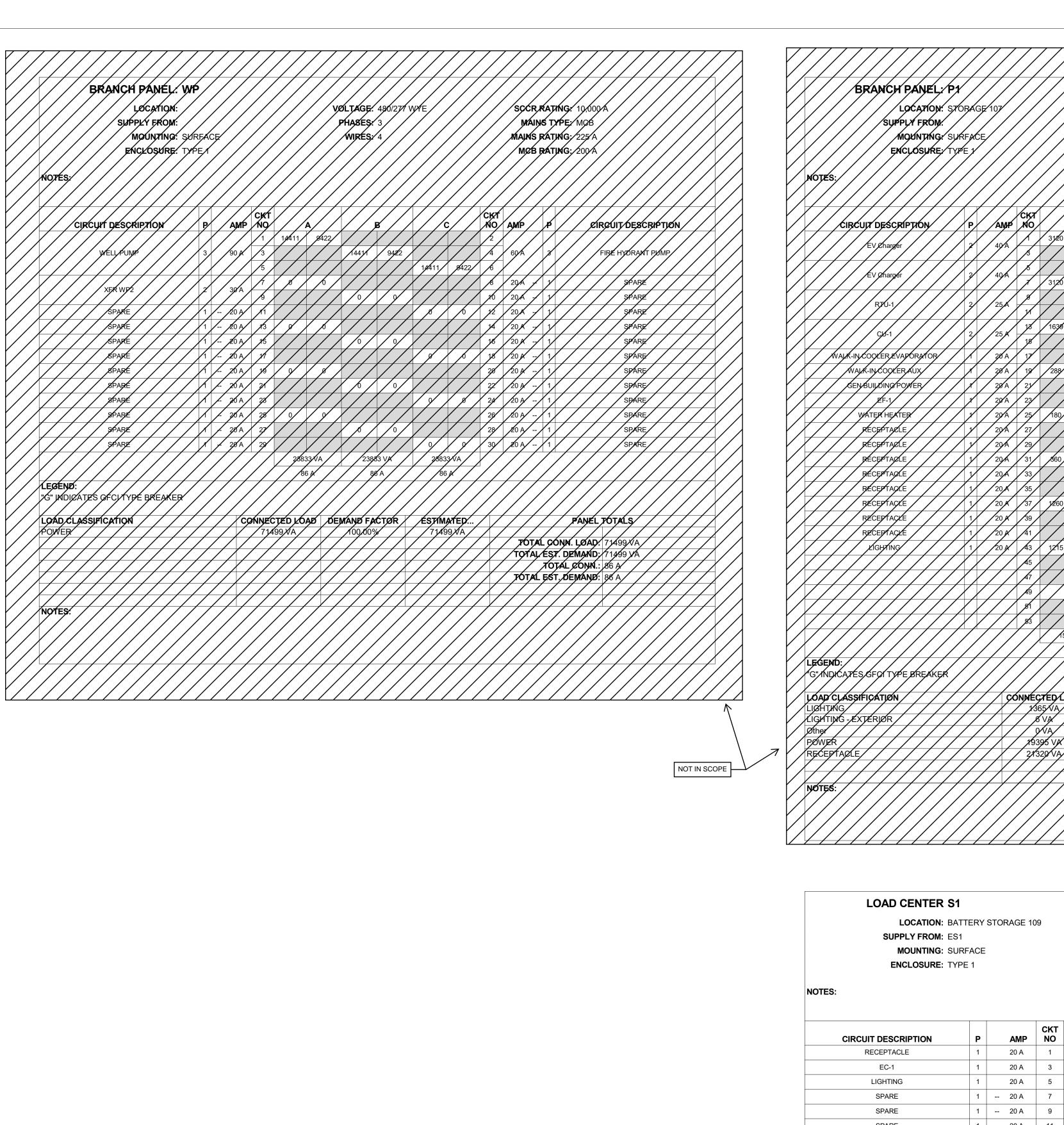


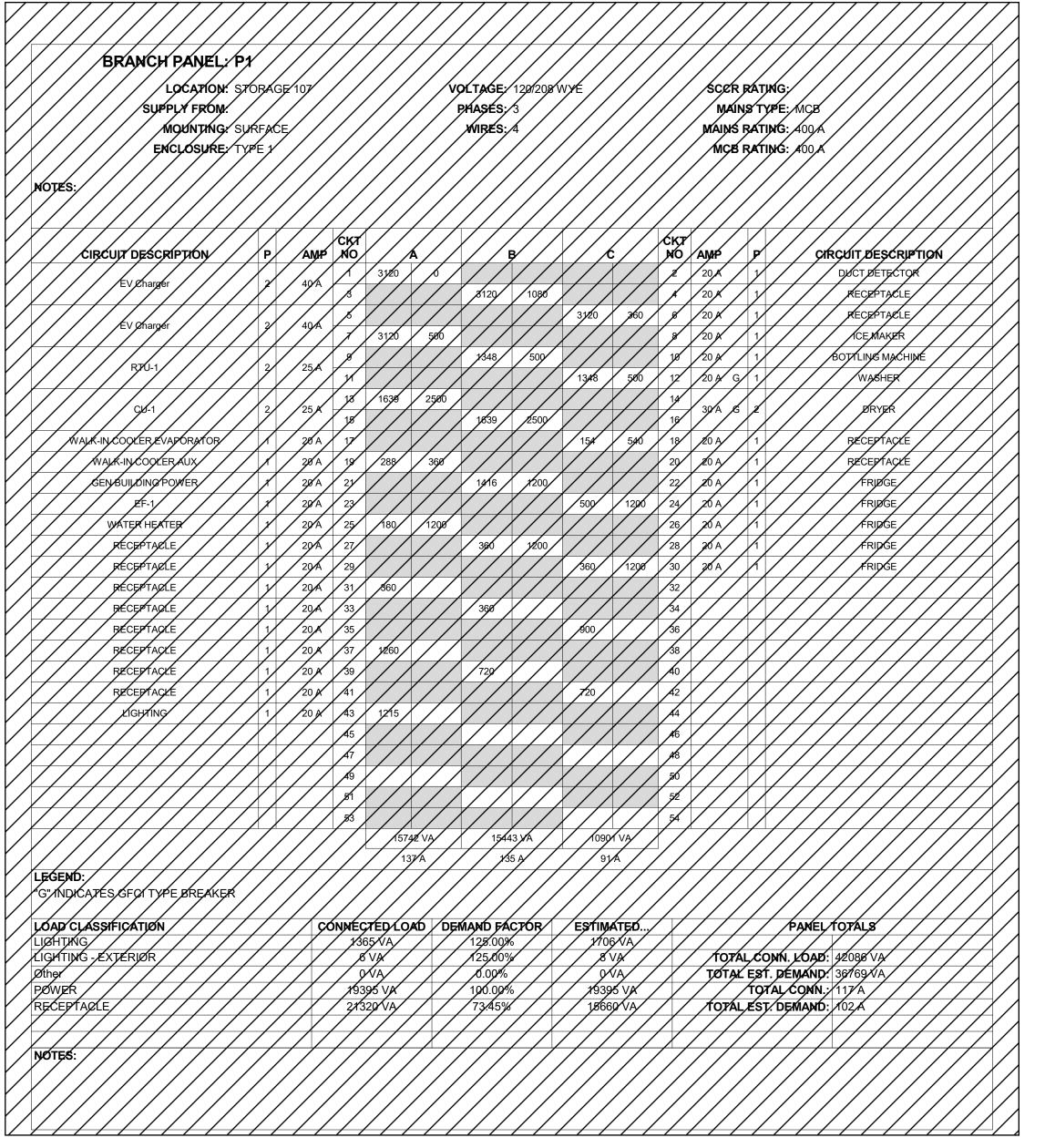
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Drawing Name: ELECTRICAL ENLARGED FLOOR PLANS







VOLTAGE: 120/208 SINGLE PHASES: 1 WIRES: 3

SCCR RATING: 10,000 A MAINS TYPE: MLO MAINS RATING: 60 A

			СКТ					СКТ			
CIRCUIT DESCRIPTION	P	AMP	NO		A		3	NO	AMP	Р	CIRCUIT DESCRIPTION
RECEPTACLE	1	20 A	1	1260	500			2	20 A	1	FIRE ALARM CONTROL PANEL
EC-1	1	20 A	3			710	0	4	20 A	1	FIRE PROTECTION SYSTEM CONTROLLER
LIGHTING	1	20 A	5	336	0			6	20 A	1	SPARE
SPARE	1	20 A	7			0	0	8	20 A	1	SPARE
SPARE	1	20 A	9	0	0			10	20 A	1	SPARE
SPARE	1	20 A	11			0	0	12	20 A	1	SPARE
SPARE	1	20 A	13	0	0			14	20 A	1	SPARE
SPARE	1	20 A	15			0	0	16	20 A	1	SPARE
				209	6 VA	710	VA				

LEGEND:

"C" INDICATES CECLTVDE DDEAKED

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED	PANEL	TOTALS
LIGHTING	332 VA	125.00%	415 VA		
LIGHTING - EXTERIOR	4 VA	125.00%	5 VA	TOTAL CONN. LOAD:	2806 VA
POWER	1210 VA	100.00%	1210 VA	TOTAL EST. DEMAND:	2890 VA
RECEPTACLE	1260 VA	100.00%	1260 VA	TOTAL CONN.:	13 A
				TOTAL EST. DEMAND:	14 A

18 A

Drawing Name: ELECTRICAL SCHEDULES

PERMIT SET

KCL #21088

2021.10.31

RENOVAT

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