

GENERAL NOTES FOR DEMOLITION WORK:

1. THE CONTRACTOR SHALL, PRIOR TO SUBMITTING A BID, VISIT THE JOB SITE AND WALK THROUGH THE DIFFERENT AREAS WHERE THE DEMOLITION AND NEW WORK WILL BE PERFORMED AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND THE EXTENT OF THE DEMOLITION WORK AND CLARIFY ALL QUESTIONS WITH ARCHITECT AND/OR ELECTRICAL ENGINEER PRIOR TO BID AND INSTALLATION. NO ADDITIONAL COST TO OWNER SHALL BE ALLOWED DUE TO UNFAMILIARITY WITH EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL FOLLOW ALL SAFETY PROCEDURES AND REGULATIONS AS REQUIRED BY ALL CONCERNING BODIES, INCLUDING BUT NOT LIMITED TO, THE CITY, FEDERAL, STATE OF CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY AND HEALTH. NOTIFY ALL WORKERS OF THESE REGULATIONS.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR NOT TO DAMAGE ANY EXISTING UTILITY LINES AND EQUIPMENT, IN OR BELOW SLAB, IN THE CEILING OR ABOVE THE CEILING SPACE AND IN WALLS, INCLUDING BUT NOT LIMITED TO GAS, WATER, FIRE, SEWAGE AND DRAINAGE LINES AND ELECTRICAL CONDUITS AND WIRING, ETC. WHICH SHALL BE IN THE WAY OF DEMOLITION WORK. CONTRACTOR SHALL TAKE ALL THE PRECAUTIONS, INCLUDING HAND BREAKING OF CONCRETE IF NECESSARY, TO PREVENT SUCH DAMAGE. ON THE FIRST OCCURRENCE OF ANY DAMAGE, THE CONTRACTOR SHALL STOP ALL CUTTING, HAND-BREAKING AND/OR DEMOLITION WORK AND IMMEDIATELY CONTACT THE ARCHITECT AND ELECTRICAL ENGINEER FOR FURTHER INSTRUCTIONS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REPAIRING DAMAGED UTILITY LINES AND EQUIPMENT. THE METHOD OF SUCH REPAIRS SHALL BE APPROVED BY THE ARCHITECT AND/OR ELECTRICAL ENGINEER PRIOR TO PROCEEDING.
4. FOR DEMOLITION WORK PERFORMED IN AREAS WHERE THE OPERATION OF THE EXISTING FACILITY MUST CONTINUE OR SHOULD NOT BE INTERRUPTED, CONTRACTOR SHALL PERFORM THE FOLLOWING:
- COORDINATE THE NEW AND DEMOLITION ELECTRICAL WORK WITH OTHER TRADES' WORK SCHEDULE.
 - KEEP THE SHUTDOWN TIME TO A MINIMUM.
 - COORDINATE THE NEW AND DEMOLITION WORK NOT TO COINCIDE WITH WORKING HOURS OF THE EXISTING FACILITY, IF POSSIBLE.
 - PROVIDE TEMPORARY ELECTRICAL, TELEPHONE AND AUXILIARY SYSTEM OUTLETS AND SERVICES TO AVOID INTERRUPTING THE OPERATION OF EXISTING FACILITY.
 - INCLUDE ALL COSTS OF WORKING AFTER NORMAL BUSINESS HOURS IN BID. NO EXTRAS WILL BE ALLOWED.
5. DE-ENERGIZE ALL BRANCH CIRCUITS SERVING OUTLETS AND FEEDERS SERVING PANELS TO BE WORKED ON AS INDICATED ON DRAWINGS AND/OR REQUIRED BY OTHER TRADES TO COMPLETE THE DEMOLITION WORK. PROPERLY TAPE BOTH ENDS OF CONDUCTORS TO BE REMOVED.
6. CIRCUIT BREAKERS IN EXISTING PANELS FEEDING BRANCH CIRCUIT TO BE DE-ENERGIZED AND DISCONNECTED, SHALL REMAIN AS SPARE CIRCUIT BREAKERS AND SHALL BE IDENTIFIED "SPARE" ON PANEL DIRECTORY AND SET TO "OFF" POSITION.
7. THE ELECTRICAL CONTRACTOR SHALL SUBMIT A DEMOLITION PHASING PLAN TO ARCHITECT/ENGINEER PRIOR TO DEMOLITION FOR COMPLETE WORK.

GENERAL PART 1 - GENERAL

- 1.0 GENERAL:
- THE "GENERAL CONDITIONS OF THE CONTRACT" ARE A PART OF THIS SECTION AND SHALL BE AS BINDING AS IF REPRODUCED HEREIN.
- 1.1 SCOPE:
- A. THE WORK UNDER THIS SECTION SHALL INCLUDE FURNISHING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT REQUIRED FOR THE COMPLETE INSTALLATION OF ALL ELECTRICAL WORK AS INDICATED ON THE ELECTRICAL DRAWINGS AND AS HEREINAFTER SPECIFIED, TOGETHER WITH OTHER ITEMS OF MISCELLANEOUS WORK SO INDICATED, EXCEPTING ONLY WORK CLEARLY INDICATED TO BE DONE UNDER OTHER SECTIONS OF THESE SPECIFICATIONS OR UNDER OTHER CONTRACTS.
- 1.2 CONTRACT DRAWINGS:
- A. IN GENERAL, THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE LOCATION OF OUTLETS AND EQUIPMENT AND THEIR INTERCONNECTION; AND THOUGH NOT NECESSARILY INDICATING THE ACTUAL PROPER COORDINATION WITH THE WORK OF OTHER TRADES AND IN SPACE AVAILABLE WILL PERMIT. THE DRAWINGS ARE NOT INTENDED TO BE SCALED. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LIMITATIONS OF THE BUILDING STRUCTURE OR FINISH, AND TO THE MECHANICAL DRAWINGS FOR THE LOCATION OF EQUIPMENT OF THOSE TRADES REQUIRING ELECTRICAL SERVICE CONNECTIONS. ANY DISCREPANCY, CONFLICT, OR QUESTIONABLE POINT SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT.
- B. "PROVIDE" MEANS FURNISH, INSTALL, AND CONNECT UNLESS OTHERWISE NOTED.
- 1.3 RECORD DRAWINGS:
- A. DURING THE PROGRESS OF THE WORK, MAINTAIN ONE COMPLETE SET OF RECORD DRAWINGS AS OUTLINED UNDER GENERAL NOTE 1.2. AS THE WORK IS INSTALLED, NEATLY AND CLEARLY MARK ON THESE PRINTS THE FOLLOWING INFORMATION:
- ALL DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS.
 - INFORMATION CONTAINED ON CHANGE ORDERS.
 - DIMENSIONED LOCATIONS OF CONCEALED CONDUITS.
 - DIAGRAMS OF EQUIPMENT CONNECTIONS.
- AT THE CONCLUSION OF THE JOB, THESE PRINTS SHALL BE DELIVERED TO THE ARCHITECT.
- 1.4 CODES, PERMITS, AND INSPECTIONS:
- NOTHING IN THESE SPECIFICATIONS OR ON THE DRAWINGS SHALL BE INTERPRETED AS PERMISSION TO VIOLATE CODES OR ORDINANCES. ELECTRICAL WORK SHALL CONFORM TO THE LATEST REVISIONS OF THE FOLLOWING CODES AND STANDARDS:
- NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION.
 - UNDERWRITERS' LABORATORIES
 - LOCAL CODES AND INSPECTION AUTHORITIES.
 - NATIONAL ELECTRICAL CODE FOR ALL ITEMS NOT SPECIFICALLY COVERED BY STATE OF CALIFORNIA OR LOCAL ORDINANCES.
- B. INSPECT THE JOB SITE PRIOR TO SUBMITTING A BID AND MAKE ALLOWANCE FOR EXISTING CONDITIONS WHICH MAY AFFECT THE WORK AND ARRANGE FOR AND PAY FOR TESTS AND INSPECTIONS, AND GIVE NOTICES REQUIRED BY ANY AND ALL LAWS, RULES, REGULATIONS, AND ORDINANCES WHICH PERTAIN TO THIS WORK, WHERE ADDITIONS OR ALTERATIONS ARE REQUIRED IN OR AT EXISTING ELECTRICAL INSTALLATION AS INDICATED.
1. INFORMATION GIVEN ON THE DRAWINGS REGARDING EXISTING INSTALLATIONS OR CONDITIONS HAS BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE BUT CANNOT BE GUARANTEED ACCURATE IN ALL RESPECTS. VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH ANY NEW WORK THAT WILL BE AFFECTED. INCLUDE AS A PART OF THE CONTRACT ALL WORK REQUIRED TO PRODUCE THE INDICATED RESULT.
2. RELOCATE AND/OR RECONNECT EXISTING CIRCUITS WHERE CONTINUITY HAS BEEN AFFECTED OR AS MAY BE REQUIRED TO PROVIDE FOR NEW CONSTRUCTION.
- C. ALL WORK TO COMPLY WITH THE APPLICABLE CODES 2020 CITY OF LOS ANGELES ELECTRICAL CODE (BASED ON 2019 CALIFORNIA ELECTRICAL CODE WITH ADOPTED PORTION OF 2017 NATION ELECTRICAL CODE), 2020 L.A. BUILDING CODE(LABC), 2020 L.A. MECHANICAL CODE (LAMC), 2019 NATIONAL FIRE ALARM CODE (NFPA 72), 2019 CALIFORNIA ENERGY CODE, AND 2020 L.A. GREEN CODE (LAGC).

GENERAL NOTES:

- PROVIDE REQUIRED WORKING SPACE, ADEQUATE ILLUMINATION AND ACCESS TO WORK SPACE ABOUT ELECTRICAL EQUIPMENT IN ACCORDANCE WITH 2017 N.E.C. AND 2019 C.E.C.
- ALL EQUIPMENT AND FIXTURES SHALL BE U.L. LISTED OR CITY APPROVED.
- ITEMS AND EQUIPMENT INSTALLED EXTERIOR TO STRUCTURES SHALL BE APPROVED FOR WET OR DAMP LOCATIONS, AS APPROPRIATE FOR THE LOCATION.
- THE OPERATING HANDLE OF FEEDER PROTECTIVE DEVICES, DISCONNECT SWITCHES AND CONTROL DEVICES SHALL BE MOUNTED A MAXIMUM OF 6'-6" FROM FINISHED FLOOR. OUTLET AND LIGHT SWITCH MOUNTING HEIGHTS SHALL BE AS DIRECTED BY THE ARCHITECT.
- VERIFY TIME SWITCHES, CONTROL SERVICES LOCATION AND SEQUENCE OF OPERATION WITH OWNER. IT SHALL BE CLEARLY MARKED.
- SUBSTITUTIONS OF SPECIFIED MATERIAL SHALL BE MADE ONLY WITH WRITTEN APPROVAL FROM THE ENGINEER.
- ELECTRICAL CONTRACTOR SHALL FOLLOW LATEST ELECTRICAL & ARCHITECTURAL DRAWINGS ISSUED FOR CONSTRUCTION.
- VERIFY ALL THE MECHANICAL WORK WITH THE MECHANICAL ENGINEER.
- CONNECT COMPLETE TOILET EXHAUST FANS AND COMBINATION FIRE SMOKE DAMPER. PROVIDE REQUIRED RATED CONTROL SENSORS, SWITCHES, AND DISCONNECT SWITCH IN SIGHT FOR EACH EQUIPMENT, TYPICAL. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS.
- CONNECT T-STAT AS PER MECHANICAL DRAWINGS.
- CONNECT COMPLETE KITCHEN EQUIPMENT AS PER KITCHEN CONSULTANT PLAN.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND FOLLOW THE LATEST STRUCTURAL DRAWING AND ROUTE CONDUIT AROUND SHEER WALLS. NO PENETRATIONS SHALL BE MADE THROUGH ANY SHEER WALL WITHOUT EXPRESS APPROVAL FROM THE STRUCTURAL ENGINEER.
- PROVIDE ARC-FAULT CIRCUIT INTERRUPTER (AFCI) COMBINATION TYPE PROTECTION ON ALL BRANCH CIRCUITS SERVING OUTLETS IN THE DWELLING UNITS EXCEPT IN THE BATHROOMS AND GARAGES, TYPICAL.
- ALL 125 VOLTS 15 AND 20 AMPERE RECEPTACLE OUTLETS AS REQUIRED IN SECTION 220.52 IN DWELLING UNITS SHALL BE TAMPER-RESISTANCE TYPE, TYPICAL.
- PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL ON RECEPTACLE OUTLETS LOCATED IN THE FOLLOWING:
 - ALL OCCUPANCIES: BATHROOMS, GARAGES, KITCHENS, OUTDOORS, AND WITHIN 6' OF THE EDGE OF SINKS.
 - DWELLING UNITS: ACCESSORY BUILDING WITH FLOORS AT OR BELOW GRADE, CRAWL SPACES, UNFINISHED BASEMENTS, BOATHOUSES, LAUNDRY AREAS, AND WITHIN 6' OF THE OUTSIDE EDGE OF SHOWER STALLS AND BATHTUBS.
 - C. OTHER THAT DWELLING UNITS: ROOFTOPS, SERVICE BAYS, INDOOR WET LOCATIONS, LOCKER ROOMS WITH SHOWER FACILITIES, AT PUBLIC TIRE INFLATION AND AUTOMATIC VACUUM MACHINES.
- ALL RECEPTACLE OUTLETS IN THE KITCHEN AREA AND LAUNDRY AREA SHALL BE GFCI TYPE. IF RECEPTACLE OUTLET ARE INSTALLED AT THE BACK OF A LARGE EQUIPMENT (LIKE THE WASHING MACHINE, DRYER, DISHWASHER, ETC.), THEN THE RECEPTACLE OUTLET SHALL BE NON-GFCI TYPE, BUT THE CIRCUIT BREAKER THAT FEED THE OUTLET SHALL BE GFCI TYPE, TYPICAL.
- FUSES SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDER.

GENERAL PART 2 - PRODUCTS

- 2.1 GENERAL:
- A. ALL MATERIALS USED IN THE ELECTRICAL WORK HEREIN SPECIFIED SHALL BE NEW AND SUITED TO THE USE INTENDED AND SHALL BE LISTED BY THE UNDERWRITERS' LABORATORIES, INC., AND SHALL MEET THEIR REQUIREMENTS AND BEAR THEIR LABEL WHENEVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY. THE ARCHITECT RESERVES THE RIGHT TO REJECT ANY MATERIAL WHICH IN HIS OPINION IS NOT IN COMPLIANCE WITH THIS SPECIFICATION, EITHER BEFORE OR AFTER INSTALLATION. ALL MATERIALS SHALL BE OF THE TYPES OR MAKES HEREINAFTER SPECIFIED, AND NO SUBSTITUTIONS WILL BE PERMITTED WITHOUT SUBMITTAL FOR REVIEW BY THE ARCHITECT. "PRODUCTS" AND "MATERIALS" ARE USED INTERCHANGEABLY AND MEAN MATERIALS, FIXTURES AND EQUIPMENT.
- 2.2 CONDUIT:
- A. PROVIDE ONLY NEW CONDUIT WITH UL LISTING OR LABEL AND DELIVER TO THE SITE IN STANDARD LENGTHS. UNLESS OTHERWISE INDICATED, PROVIDE CONDUITS FOR ALL TYPES OF CONDUCTORS OR CABLES OF ALL SYSTEMS AND VOLTAGES.
- RIGID STEEL CONDUIT AND COUPLINGS: HOT-DIPPED GALVANIZED OR SHERARDIZED INSIDE AND OUT, WITH GALVANIZED THREADS. PROVIDE INSULATED METALLIC BUSHINGS EXCEPT THAT SIZES 1 INCH AND SMALLER SHALL BE NONMETALLIC TYPE.
 - ELECTRICAL METALLIC STEEL TUBING: HOT-DIPPED GALVANIZED OR SHERARDIZED INSIDE AND OUT. PROVIDE INSULATED AND BUSHED TAP-ON TYPE CONNECTORS AND COUPLINGS AS MADE BY TOMIC OR T & B, OR WRENCH TIGHTENED COMPRESSION TYPE.
 - FLEXIBLE CONDUIT: MANUFACTURED FROM ALUMINUM OR SINGLE STRIP GALVANIZED STEEL. PROVIDE INSULATED DIE-CAST CONNECTORS WITH RIDGES THAT THREAD INTO THE INSIDE OF THE CONDUIT TO INSURE A FORCE FIT AS MADE BY D & H ELECTRICAL COMPANY OR EQUAL.
 - LIQUID TIGHT FLEXIBLE CONDUIT: IDENTICAL TO FLEXIBLE STEEL CONDUIT BUT WITH OVERALL POLYVINYL CHLORIDE PLASTIC JACKET. PROVIDE INSULATING CONNECTORS, APPLETON STN SERIES OR EQUAL.
 - RIGID PLASTIC CONDUIT: EXTRUDED FROM VIRGIN POLYVINYL CHLORIDE COMPOUND, SCHEDULE 40 HEAVY WALL, IN 10'-0" LENGTHS WITH COUPLINGS.
- 2.3 WIRE AND CABLE:
- A. ALL WIRE AND CABLE SHALL BE ANNEALED COPPER WITH 98% CONDUCTIVITY AND 600-VOLT INSULATION.
- CONDUCTORS NO.10 AWG AND SMALLER SHALL BE SOLID TYPE THHN OR THWN INSULATION; NO.8 AWG AND LARGER SHALL BE STRANDED TYPE THHN OR THWN INSULATION. USE TYPE THWN IN WET LOCATIONS. IN CONDUITS INSTALLED WITHIN OR JUST UNDER ROOFING MATERIALS AND FOR ALL AREAS EXTERIOR TO BUILDINGS.
- 2.4 LIGHTING FIXTURES:
- A. PROVIDE RECESSED, SURFACE AND PENDANT MOUNTED LIGHTING FIXTURES, COMPLETE WITH LAMPS, AND BALLASTS WHERE REQUIRED, AS SHOWN ON THE DRAWINGS AS SPECIFIED.
- FLOURESCENT BALLASTS OF PROPER TYPE AND CHARACTERISTICS FOR THE LAMPS IN THE FIXTURE AND WITH VOLTAGE RATING AS REQUIRED BY THE CIRCUIT WHICH THE FIXTURE IS CONNECTED.
 - PROVIDE LAMPS AS INDICATED ON THE DRAWINGS.
- 2.5 WIRING DEVICES:
- A. WIRING DEVICES SHALL BE OF THE MOLDED COMPOSITION SPECIFICATION GRADE. ALL DEVICES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED AND WITH FINISH MATCHING DEVICE PLATES. LOCAL SWITCHES SHALL HAVE ALTERNATING CURRENT RATINGS EQUAL TO FULL NOMINAL CAPACITY.
- RECEPTACLES: PROVIDE TYPE IN ACCORDANCE WITH NEMA STANDARD CONFIGURATION AS SHOWN.
 - SWITCHES: SINGLE POLE, 3-WAY AND 4-WAY AS SHOWN, FINISH AS SELECTED.
 - PROVIDE PLATES FOR ALL OUTLET BOXES AND FITTINGS OF ALL SYSTEMS EXCEPT AT OUTLETS WHERE FIXTURE CANOPIES ARE USED.
- 2.6 NAMEPLATES:
- A. PROVIDE A NAMEPLATE FOR EACH PANEL BOARD, DISCONNECT SWITCH, AND FOR ANY OTHER CONTROL DEVICE OR MAJOR ITEM OF ELECTRICAL EQUIPMENT, AS FOLLOWS:
- PROVIDE BLACK-ON-WHITE LAMINATED PLASTIC NAMEPLATES ENGRAVED IN 1/4" HIGH LETTERS TO CORRESPOND WITH THE DESIGNATIONS ON THE DRAWINGS. PROVIDE OTHER OR ADDITIONAL INFORMATION ON NAMEPLATES WHERE INDICATED.
 - ATTACH NAMEPLATES TO EQUIPMENT WITH RIVETS, BOLTS, OR APPLICABLE SHEET METAL SCREWS. GLUE-ON TYPES AND POP RIVET TYPES ARE NOT ACCEPTABLE.
 - PROVIDE DEMO TYPE PLASTIC TAPE FOR EACH RECEPTACLE AND J-BOX INDICATING CIRCUIT NUMBERS AND PANEL. PROVIDE ADDITIONAL INFORMATION AS INDICATED ON THE DRAWINGS. THE COLOR CODE FOR THE TAPES SHALL BE AS FOLLOWS:
 - ORANGE FOR ISOLATED GROUND CIRCUITS.
 - GREEN FOR STANDARD 120V CIRCUITS.
- 2.7 OUTLETS:
- A. OUTLET AND JUNCTION BOXES USED IN CONCEALED WORK, SHALL BE GALVANIZED OR SHERARDIZED ONE-PIECE, PRESSED STEEL, KNOCKOUT TYPE SIZED IN ACCORDANCE WITH THE CODE FOR THE NUMBER OF CONDUCTORS OR THE NUMBER AND SIZE OF CONDUITS ENTERING THE BOX, BUT SHALL NOT BE LESS THAN 4" SQUARE AND 1-1/2" DEEP. PLASTER RINGS SHALL BE PROVIDED FOR ALL FLUSH MOUNTED BOXES.
- 2.8 PANEL BOARDS:
- A. PROVIDE RECESSED MOUNTED PANEL BOARDS WITH MAIN LUGS, SUB FEED LUGS, BUS SIZE AND CIRCUIT BREAKERS OF A RATING AS SHOWN ON THE DRAWINGS.
- B. CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE WITH INTERRUPTING CAPACITY AS INDICATED ON THE PANEL SCHEDULES AND SHALL BE SERIES RATED WITH FEEDER OVER CURRENT DEVICE.
- C. PROVIDE NEATLY TYPED CIRCUIT DIRECTORY CARD, CLEARLY IDENTIFYING ALL CIRCUITS, MOUNTED IN A CARD HOLDER, BEHIND HEAVY PLASTIC ON THE INSIDE OF THE HINGED DOOR.

PART 3 - EXECUTION

- 3.1 MATERIALS AND WORKMANSHIP:
- A. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURER TO CONFORM WITH THE CONTRACT DOCUMENTS. THE INSTALLATION SHALL BE ACCOMPLISHED IN CONFORMANCE WITH THE APPLICABLE RULES.
- 3.2 WIRE AND WIRING METHODS:
- A. ALL WIRING AND CABLE INCLUDING LOW VOLTAGE AND CONTROL CIRCUITS SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED.
- COLOR CODE ALL BRANCH CIRCUIT AND CONTROL CIRCUIT WIRING BY MEANS OF FACTORY COLOR CODED CONDUCTORS. EACH PHASE SHALL BE THE SAME COLOR THROUGHOUT THE SYSTEM AND SHALL BE A DIFFERENT COLOR FROM OTHER PHASES AND OTHER SYSTEMS. THE IDENTIFIED NEUTRAL CONDUCTOR SHALL BE WHITE, AND GROUND WIRES SHALL BE GREEN.
- 3.3 CONDUIT AND TUBING:
- A. EXCEPT WHEN OTHERWISE INDICATED AS MORE STRINGENT, PROVIDE THE TYPE OF CONDUIT LEGALLY PERMITTED OR REQUIRED FOR EACH LOCATION OR CONDITION. UNLESS INDICATED OTHERWISE, CONDUITS SHALL BE CONCEALED WHERE POSSIBLE WITHIN OR BEHIND FINISHED WALLS OR CEILINGS.
- ELECTRICAL METALLIC TUBING (EMT) SHALL BE INSTALLED ONLY WITHIN BUILDINGS ABOVE GRADE IN DRY LOCATIONS AND WHERE NOT SUBJECT TO MECHANICAL INJURY OR OTHERWISE PROHIBITED.
 - USE FLEXIBLE CONDUIT ONLY AS FOLLOWS:
 - WHERE INDICATED.
 - CONCEALED RUNS IN DRY LOCATIONS WHERE STRUCTURAL CONDITIONS PREVENT THE USE OF OTHER TYPES OF CONDUIT.
 - FINAL CONNECTION TO VIBRATING EQUIPMENT.
 - CONNECTION TO RECESSED LIGHT FIXTURES FROM NEARBY JUNCTION BOX.
 - RIGID PLASTIC CONDUITS SHALL BE INSTALLED FOR UNDERGROUND WORK.
 - USE RIGID METAL CONDUIT WHERE LEGALLY REQUIRED, WHERE EXPOSED TO THE WEATHER; ALSO WHERE SUBJECT TO MECHANICAL INJURY.
- B. ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC CONDUIT EXCEPT AS PERMITTED BELOW. GRC SHALL BE USED IN ALL AREAS. IMC SHALL BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH EARTH. EMT SHALL BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH EARTH, NOT IN CONCRETE SLABS OR WALLS AND NOT SUBJECT TO DAMAGE. PVC SHALL BE USED IN OR BELOW CONCRETE AND DIRECT BURIED IN EARTH. FLEXIBLE STEEL CONDUIT SHALL BE USED FOR INDOOR FINAL CONNECTIONS TO MECHANICAL EQUIPMENT NOT TO EXCEED 36", AND RECESSED REMOVABLE FLOURESCENT LIGHT FIXTURES NOT TO EXCEED 72". LIQUID-TIGHT FLEXIBLE STEEL CONDUIT SHALL BE FOR OUTDOOR FINAL CONNECTIONS TO EQUIPMENT NOT TO EXCEED 36".
- WHERE THE CONDUIT ENTERS OUTLET BOXES, FIXTURES OR CABINETS, FIRMLY FASTEN BY DOUBLE LOCKNUTS AND BUSHINGS (GRC AND IMC ONLY). FIRMLY FASTEN CONDUIT TO THE BUILDING CONSTRUCTION. RUN EXPOSED CONDUIT PARALLEL TO THE BUILDING LINES, SUPPORTED BY APPROPRIATE HANGERS.
 - COVER METALLIC CONDUIT IN CONTACT WITH EARTH OR FILL WITH POLYETHYLENE TAPE SPIRAL WRAPPED, 1/2" LAPPED TO PROVIDE DOUBLE THICKNESS. TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUIT AND DUCTS NOT UNDER BUILDINGS AND FEEDER DUCTS SHALL BE INSTALLED PER NEC 300.5, EXCEPT THAT THE BENDS IN CONDUIT LARGER THAN 1" IN DIAMETER SHALL BE MADE WITH GALVANIZED STEEL CONDUIT TREATED AS NOTED ABOVE. MAKE JOINTS WITH COMPOUND TO BE WATERTIGHT.
 - CONDUIT SIZES SHALL BE AS REQUIRED BY CODE AND AS INDICATED OR SPECIFIED ON DRAWINGS. NO CONDUIT SMALLER THAN 3/4 INCH TRADE SIZE SHALL BE USED.
 - PENETRATION THROUGH FLOOR SLABS WHERE SUBJECT TO DAMAGE SHALL BE IN WRAPPED RIGID STEEL. SCHEDULE 40 PVC ELBOWS AND PENETRATIONS MAY BE USED IN SLAB ON GRADE WHERE PENETRATIONS OCCUR IN PROTECTED AREAS (WALLS, ELECTRICAL ROOMS, ETC.).
 - CONDUITS AND OUTLETS SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE, EXCEPT THAT CERTAIN MOTOR AND LIGHTING FEEDER CONDUITS MAY BE RUN EXPOSED IN CERTAIN AREAS AS INDICATED ON THE DRAWINGS. CONDUIT SHOWN TO BE INSTALLED IN CABINETS, COUNTERS, AND CASEWORK SHALL BE RUN AS DIRECTED BY THE ENGINEER.
 - ALL CONDUIT SERVING ROOF MOUNTED EQUIPMENT AND DEVICES INCLUDING HVAC EQUIPMENT, GFCI MAINTENANCE RECEPTACLES AND DUCT TYPE SMOKE DETECTORS SHALL BE ROUTED IN THE CEILING SPACE. CONDUIT SHALL PENETRATE ROOF AT EQUIPMENT LOCATIONS ONLY. NO CONDUIT SHALL BE INSTALLED HORIZONTALLY ACROSS ROOF SURFACE.
 - FLEXIBLE METALLIC AND NON-METALLIC CONDUIT SYSTEMS SHALL HAVE A CODE SIZED COPPER GROUND CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED.
 - FLEXIBLE METAL CONDUIT/CUT-IN BOXES FOR LOW VOLTAGE SYSTEMS (TEL/DATA) MAY BE USED IN WALL CAVITIES PROVIDED THE INSTALLATION COMPLIES WITH NEC ARTICLE 348. ALL CONDUIT FOR LOW VOLTAGE WIRING SYSTEMS IN NEW WALL PARTITIONS SHALL BE EMT. FLEXIBLE METAL CONDUIT FOR THESE SYSTEMS IS NOT ACCEPTABLE IN NEW WALLS.
 - ALL EMPTY CONDUIT SYSTEMS SHALL HAVE A 200 POUND TEST PULL CORD INSTALLED TO FACILITATE INSTALLATION OF FUTURE WIRE.
- 3.4 LIGHTING FIXTURES:
- A. FURNISH AND INSTALL FIXTURES COMPLETE IN CONFORMANCE WITH THE SPECIFICATION, THE REQUIREMENTS SPECIFIED BELOW, AND DETAILED ON THE DRAWINGS. DETAILS SHOWN ON THE DRAWINGS ARE INDICATIVE OF THE GENERAL TYPE DESIRED AND ARE NOT INTENDED TO RESTRICT SELECTION TO FIXTURES OF ANY PARTICULAR MANUFACTURER. (SUBMIT FOR ARCHITECT'S APPROVAL).
- LIGHTING FIXTURES SHALL BE SET PLUMB, SQUARE, LEVEL, AND IN ALIGNMENT AND SHALL BE SECURED IN ACCORDANCE WITH THE MANUFACTURERS' DIRECTIONS AND SHOP DRAWINGS EXCEPT AS OTHERWISE NOTED. ACCESSORIES SUCH AS STRAPS, MOUNTING PLATES, NIPPLES, OR BRACKETS SHALL BE PROVIDED FOR PROPER INSTALLATION.
 - FOR FLOURESCENT FIXTURES, THE CATALOG NUMBERS ARE THOSE FOR INDIVIDUAL UNITS. WHERE CONTINUOUS ROWS ARE INDICATED, PROVIDE ALL NECESSARY ACCESSORIES. WHERE SINGLE-LAMP FIXTURES ARE INDICATED IN CONTINUOUS ROWS PROVIDE TANDEM UNITS WITH 2-LAMP BALLASTS WHEREVER POSSIBLE.
 - LAMPS OF THE PROPER SIZE, TYPE, WATTAGE, AND VOLTAGE RATINGS AS INDICATED ON THE DRAWINGS SHALL BE DELIVERED TO THE PROJECT IN THE ORIGINAL CARTONS AND INSTALLED IN THE FIXTURES JUST PRIOR TO THE COMPLETION OF THE PROJECT. LAMPS THAT HAVE BEEN USED DURING THE CONSTRUCTION SHALL BE REPLACED WITH NEW UNITS SO AS TO ASSURE A NEW INSTALLATION AT THE TIME OF FINAL ACCEPTANCE.
 - ELECTRICAL CONTRACTOR SHALL CONNECT COMPLETE ALL THE FIXTURES SUPPLIED BY THE OWNER.
 - FOR OUTSIDE COMMON AREA LIGHTING ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT TYPE OF CONTROL REQUIRED WITH THE OWNER/ARCH. PRIOR TO ANY INSTALLATION PROVIDE THE NECESSARY CONTROL SYSTEM AS DIRECTED & CONNECT COMPLETE WITH NO EXTRA CHARGE "NO EXTRA ALLOWED".
 - PROVIDE 365 DAY ASTRONOMICAL TIMER CLOCK FOR ALL ITS. EXTERIOR LIGHTING CIRCUITS.
- 3.5 EQUIPMENT CONNECTIONS:
- A. ALL WIRING FOR THE CONNECTION OF MOTORS AND CONTROL EQUIPMENT AS INDICATED ON THE DRAWING SHALL BE FURNISHED AND INSTALLED UNDER THIS SECTION OF THESE SPECIFICATIONS.
- B. FLEXIBLE CONNECTIONS OF SHORT LENGTH SHALL BE PROVIDED FOR EQUIPMENT SUBJECT TO VIBRATION OR MOVEMENT AND FOR ALL MOTORS. LIQUID-TIGHT FLEXIBLY CONDUIT SHALL BE USED IN WET LOCATIONS. A SEPARATE GROUND CONDUCTOR SHALL BE PROVIDED ACROSS ALL FLEXIBLE CONNECTIONS.
- 3.6 TESTS:
- A. IN ADDITION TO TESTS REQUIRED BY OTHER SECTIONS, PERFORM OR CAUSE TO BE PERFORMED, ANY TESTS SPECIFIED FOR ELECTRICAL WORK WHEN THE WORK IS SUBSTANTIALLY COMPLETE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- UPON COMPLETION OF THE WORK AND ADJUSTMENT OF ALL EQUIPMENT, CONDUCT AN OPERATING TEST AND SUBMIT FOR APPROVAL AT SUCH TIME AS THE ARCHITECT DIRECTS. CONDUCT THE TEST IN THE PRESENCE OF AN AUTHORIZED REPRESENTATIVE OF THE ARCHITECT. DEMONSTRATE THAT ALL SYSTEMS AND EQUIPMENT ARE:
 - OPERATING IN ACCORDANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 - FREE FROM ALL ELECTRICAL AND MECHANICAL DEFECTS.
 - FREE FROM SHORT CIRCUITS AND GROUNDS OTHER THAN INTENTIONAL GROUNDS.
 - CONDUCT ALL OTHER AND ADDITIONAL TESTS THAT ARE REQUIRED BY AUTHORITIES HAVING JURISDICTION OR ARE REQUESTED BY THE ARCHITECT.
 - ALL COSTS INCURRED, INCLUDING REQUIRED INSTRUMENTS AND PERSONNEL FOR THE TESTS, SHALL BE PAID FOR BY THE CONTRACTOR.

ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
	LIGHT OUTLET S-SWITCH DESIGNATION S-CIRC NO. (SEE PANEL) A-FIXTURE TYPE (SEE SCHEDULE)
	HOME RUN CONDUIT CONCEALED IN WALL OR CEILING. CROSS LINES INDICATE NUMBER OF #12 COPPER WIRES OR WIRE SIZE AS INDICATED (INSULATION TYPE THHN/THWN U.O.N.)
	(P) - NUMBER OF PHASE WIRES (N) - NUMBER OF NEUTRAL WIRES (G) - NUMBER OF GROUND WIRES
	CONDUIT RUN IN FLOOR OR U.G.
	CONDUIT RUN EXPOSED
	CONDUIT STUB UP
	CONDUIT STUB DOWN
	SOUND SYSTEM CONDUIT
	TELEPHONE CONDUIT ONLY
	CONDUIT SEAL
	GROUND CONNECTION
	CONDUIT STUB OUT WITH CAP
	PANEL MOUNTED CIRCUIT BREAKER
	PANEL MOUNTED FUSED SWITCH
	SINGLE POLE SWITCH 45° AFF O.C. U.O.N
	TWO POLE SWITCH 45° AFF O.C. U.O.N
	THREWAY SWITCH 45° AFF O.C. U.O.N
	MOMENTARY CONTACT SWITCH
	MOTOR RATED SWITCH
	DISCONNECT SWITCH, FUSED
	DISCONNECT SWITCH, NON FUSED
	DIMMER SWITCH
	PUSH BUTTON
	MAGNETIC MOTOR STARTER
	PANEL BOARD
	SWITCHBOARD
	TERMINAL CABINET
	TELEPHONE BACKBOARD
	SURFACE RACEWAY
	TRANSFORMER
	MOTOR CONNECTION
	120V, 15A DUPLEX RECEPT. 18° AFF O.C. U.O.N
	120V, 20A DUPLEX RECEPTACLE 18° AFF O.C. U.O.N
	DOUBLE DUPLEX RECEPTACLE 18° AFF O.C. U.O.N
	FLOOR MOUNTED RECEPTACLE/CEILING
	FLOOR MOUNTED RECEPTACLE/CEILING WITH G.F.C.I. TYPE
	RECEPTACLE WITH G.F.C.I. TYPE 18° AFF O.C. U.O.N
	ISOLATED GROUND RECEPTACLE 18° AFF O.C. U.O.N (G)
	HALF SWITCHED RECEPTACLE 18° AFF O.C. U.O.N
	208/240V RECEPTACLE 18° AFF O.C. U.O.N
	SPECIAL RECEPTACLE 18° AFF O.C. U.O.N
	LOCK ON DEVICE
	JUNCTION BOX
	FLOOR MOUNTED J-BOX
	ALL TELEPHONE OUTLET TO BE FURNISHED WITH 4 PAIR 8/24 CAT - 5 TYP. 18° AFF O.C. U.O.N
	ALL TELEPHONE OUTLET TO BE FURNISHED WITH 4 PAIR 8/24 CAT - 5 TYP. FLOOR/CEILING MOUNTED
	TELEPHONE/DATA OUTLET 18° AFF O.C. U.O.N
	DATA OUTLET 18° AFF O.C. U.O.N
	INTERCOM OUTLET
	SPEAKER OUTLET
	CLOCK OUTLET
	THERMOSTAT OUTLET 48° AFF O.C. U.O.N
	CABLE TV. OUTLET
	ILLUMINATED EXIT SIGN (WALL OR CLG.)
	SMOKE DETECTOR
	DOOR BELL PUSH BUTTON
	DOOR BELL
ABBREVIATIONS	
SYMBOL	DESCRIPTION
AC	AIR CONDITIONING
CD	CONDUIT ONLY
CR	CIRCUIT
FLA	FULL LOAD AMPERES
GF	GROUND FAULT INTERRUPTER
HP	HORSEPOWER
LTG	LIGHTING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NL	UNSWITCHED NIGHT LIGHT
PB	PULL BOX
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VL	VERIFY LOCATION
WP,WR	WEATHER PROOF, WEATHER RESISTANT
S.C.	SEPARATE CIRCUIT
A.F.F.	ABOVE FINISH FLOOR
D	DIGITAL "TELEPHONE"
W	WALL MOUNTED "TELEPHONE"
W.C.	WALK IN CLOSET

ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVAL BY THE DEPARTMENT.

* THE SYMBOLS LIST IS STANDARD AND SHALL BE USED AS NEEDED THROUGH OUT THIS PROJECT. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO ANY BID OR INSTALLATION.

* THE ELECTRICAL CONTRACTOR SHALL FOLLOW THE ELECTRICAL SYMBOLS REQUIREMENTS FOR COMPLETE WORK. ELECTRICAL CONTRACTOR SHALL REQUEST ANY INFORMATION NOT CLEAR IN THESE PLANS PRIOR TO BID AND INSTALLATION.

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DAYS INN KING CITY
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1130 BROADWAY STREET
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SEAL AND STAMP



ISSUE DATES

DESCRIPTION	DATE
MEP REVISION	02/22/2023
JOB:	
SCALE:	AS SHOWN
DRAWN	CEG
DATE:	02/22/2023
SHEET TITLE	

GENERAL
NOTES

SHEET NO

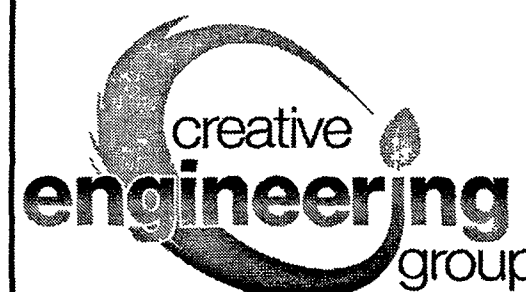
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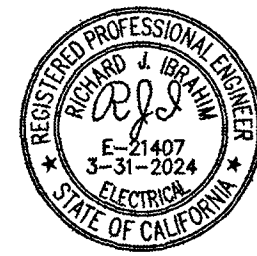
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SEAL AND STAMP.



ISSUE DATES

DESCRIPTION	DATE
MEP REVISION	02/22/2023

JOB:
SCALE: AS SHOWN
DRAWN: CEG
DATE: 02/22/2023
SHEET TITLE:

PANEL SCHEDULES 1

SHEET NO

E-1.2

(N)PNL 21HP									
VOLTAGE: 120/240 VOLTS 1 PHASE, 3 WIRE									
BUS RATING: 225 AMPS									
MAIN: 150A MCB									
LOCATION:									
LOAD TYPE	LOAD (VA)	CN K.O.	LOAD SERVED	CB	C.O.P.H.A.S.E.	C.B.P.	CB	LOAD SERVED	CN K.O.
LOAD TYPE	LOAD (VA)	T	LOAD TYPE	LOAD (VA)	T	LOAD TYPE	LOAD (VA)	T	LOAD TYPE
RESIDENTIAL	1516	1	(N) (3) KITCHEN APPL (201)	201	A	1	201	(N) (1) RANGE (202)	2
RESIDENTIAL	1500	3	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	4
HEAT	1200	2	(N) (1) RANGE (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	6
HEAT	1200	2	(N) (1) RANGE (202)	201	A	1	201	(N) (2) KITCHEN APPL (202)	8
RESIDENTIAL	1500	2	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	10
RESIDENTIAL	1500	11	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	12
RESIDENTIAL	1516	13	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	14
RESIDENTIAL	1500	15	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	16
HEAT	1200	17	(N) (1) RANGE (205)	201	A	1	201	(N) (2) KITCHEN APPL (202)	18
HEAT	1200	19	(N) (1) RANGE (207)	201	A	1	201	(N) (2) KITCHEN APPL (202)	20
RESIDENTIAL	1500	21	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	22
RESIDENTIAL	1500	23	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	24
RESIDENTIAL	1516	25	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	26
RESIDENTIAL	1500	27	(N) (2) KITCHEN APPL (201)	201	A	1	201	(N) (2) KITCHEN APPL (202)	28
HEAT	1200	29	(N) (1) RANGE (209)	201	A	1	201	(N) (2) KITCHEN APPL (202)	30
HEAT	1200	31	(N) (1) RANGE (211)	201	A	1	201	(N) (2) KITCHEN APPL (202)	32
RESIDENTIAL	1500	33	(N) (2) KITCHEN APPL (211)	201	A	1	201	(N) (2) KITCHEN APPL (202)	34
RESIDENTIAL	1500	35	(N) (2) KITCHEN APPL (211)	201	A	1	201	(N) (2) KITCHEN APPL (202)	36
SPARE	30	37	SPARE	201	A	1	201	(N) (1) RANGE (212)	38
SPARE	41	39	SPARE	201	A	1	201	SPARE	40
SPARE	41	41	SPARE	201	A	1	201	SPARE	42

ALL CIRCUIT BREAKER MARKED WITH "*" SIGN SHALL BE ARC-FAULT TYPE CIRCUIT BREAKER, TYPICAL.
SEE SHEET E-3.0 FOR ENLARGED TYPICAL UNITS.

(N)PNL 22HP									
VOLTAGE: 120/240 VOLTS 1 PHASE, 3 WIRE									
BUS RATING: 225 AMPS									
MAIN: 150A MCB									
LOCATION:									
LOAD TYPE	LOAD (VA)	CN K.O.	LOAD SERVED	CB	C.O.P.H.A.S.E.	C.B.P.	CB	LOAD SERVED	CN K.O.
LOAD TYPE	LOAD (VA)	T	LOAD TYPE	LOAD (VA)	T	LOAD TYPE	LOAD (VA)	T	LOAD TYPE
RESIDENTIAL	1516	1	(N) (3) KITCHEN APPL (215)	201	A	1	201	(N) (1) RANGE (214)	2
RESIDENTIAL	1500	3	(N) (2) KITCHEN APPL (215)	201	A	1	201	(N) (2) KITCHEN APPL (214)	4
HEAT	1200	5	(N) (1) RANGE (215)	201	A	1	201	(N) (2) KITCHEN APPL (214)	6
HEAT	1200	7	(N) (1) RANGE (215)	201	A	1	201	(N) (2) KITCHEN APPL (214)	8
RESIDENTIAL	1516	9	(N) (3) KITCHEN APPL (215)	201	A	1	201	(N) (2) KITCHEN APPL (214)	10
RESIDENTIAL	1500	11	(N) (2) KITCHEN APPL (215)	201	A	1	201	(N) (2) KITCHEN APPL (214)	12
SPARE	15	13	SPARE	201	A	1	201	SPARE	14
SPARE	17	15	SPARE	201	A	1	201	SPARE	16
SPARE	19	17	SPARE	201	A	1	201	SPARE	18
SPARE	21	19	SPARE	201	A	1	201	SPARE	20
SPARE	23	21	SPARE	201	A	1	201	SPARE	22
SPARE	25	23	SPARE	201	A	1	201	SPARE	24
SPARE	27	25	SPARE	201	A	1	201	SPARE	26
SPARE	29	27	SPARE	201	A	1	201	SPARE	28
SPARE	31	29	SPARE	201	A	1	201	SPARE	30
SPARE	33	31	SPARE	201	A	1	201	SPARE	32
SPARE	35	33	SPARE	201	A	1	201	SPARE	34
SPARE	37	35	SPARE	201	A	1	201	SPARE	36
SPARE	39	37	SPARE	201	A	1	201	SPARE	38
SPARE	41	39	SPARE	201	A	1	201	SPARE	40
SPARE	41	41	SPARE	201	A	1	201	SPARE	42

ALL CIRCUIT BREAKER MARKED WITH "*" SIGN SHALL BE ARC-FAULT TYPE CIRCUIT BREAKER, TYPICAL.
SEE SHEET E-3.0 FOR ENLARGED TYPICAL UNITS.

(N)PNL 11HP									
VOLTAGE: 120/240 VOLTS 1 PHASE, 3 WIRE									
BUS RATING: 225 AMPS									
MAIN: 125A MCB									
LOCATION:									
LOAD TYPE	LOAD (VA)	CN K.O.	LOAD SERVED	CB	C.O.P.H.A.S.E.	C.B.P.	CB	LOAD SERVED	CN K.O.
LOAD TYPE	LOAD (VA)	T	LOAD TYPE	LOAD (VA)	T	LOAD TYPE	LOAD (VA)	T	LOAD TYPE
RESIDENTIAL	1516	1	(N) (3) KITCHEN APPL (102)	201	A	1	201	(N) (1) RANGE (103)	2
RESIDENTIAL	1500	3	(N) (2) KITCHEN APPL (102)	201	A	1	201	(N) (2) KITCHEN APPL (103)	4
HEAT	1200	5	(N) (1) RANGE (102)	201	A	1	201	(N) (2) KITCHEN APPL (103)	6
HEAT	1200	7	(N) (1) RANGE (103)	201	A	1	201	(N) (2) KITCHEN APPL (103)	8
RESIDENTIAL	1500	9	(N) (2) KITCHEN APPL (104)	201	A	1	201	(N) (2) KITCHEN APPL (105)	10
RESIDENTIAL	1500	11	(N) (2) KITCHEN APPL (104)	201	A	1	201	(N) (2) KITCHEN APPL (105)	12
RESIDENTIAL	1516	13	(N) (2) KITCHEN APPL (104)	201	A	1	201	(N) (2) KITCHEN APPL (105)	14
RESIDENTIAL	1500	15	(N) (2) KITCHEN APPL (104)	201	A	1	201	(N) (2) KITCHEN APPL (105)	16
HEAT	1200	17	(N) (1) RANGE (106)	201	A	1	201	(N) (2) KITCHEN APPL (105)	18
HEAT	1200	19	(N) (1) RANGE (106)	201	A	1	201	(N) (2) KITCHEN APPL (105)	20
RESIDENTIAL	1500	21	(N) (2) KITCHEN APPL (106)	201	A	1	201	(N) (2) KITCHEN APPL (105)	22
RESIDENTIAL	1500	23	(N) (2) KITCHEN APPL (106)	201	A	1	201	(N) (2) KITCHEN APPL (105)	24
RESIDENTIAL	1516	25	(N) (2) KITCHEN APPL (110)	201	A	1	201	(N) (1) RESTROOM REC(109)	26
RESIDENTIAL	1500	27	(N) (2) KITCHEN APPL (110)	201	A	1	201	(N) (1) RESTROOM REC(111)	28
HEAT	1200	29	(N) (1) RANGE (110)	201	A	1	201	(N) (1) RANGE (111)	30
HEAT	1200	31	(N) (1) RANGE (110)	201	A	1	201	(N) (1) RANGE (111)	32
RESIDENTIAL	1500	33	(N) (2) KITCHEN APPL (109)	201	A	1	201	(N) (2) KITCHEN APPL (111)	34
RESIDENTIAL	1516	35	(N) (2) KITCHEN APPL (109)	201	A	1	201	(N) (2) KITCHEN APPL (111)	36
SPARE	30	37	SPARE	201	A	1	201	SPARE	38
SPARE	41	39	SPARE	201	A	1	201	SPARE	40
SPARE	41	41	SPARE	201	A	1	201	SPARE	42

ALL CIRCUIT BREAKER MARKED WITH "*" SIGN SHALL BE ARC-FAULT TYPE CIRCUIT BREAKER, TYPICAL.
SEE SHEET E-3.0 FOR ENLARGED TYPICAL UNITS.

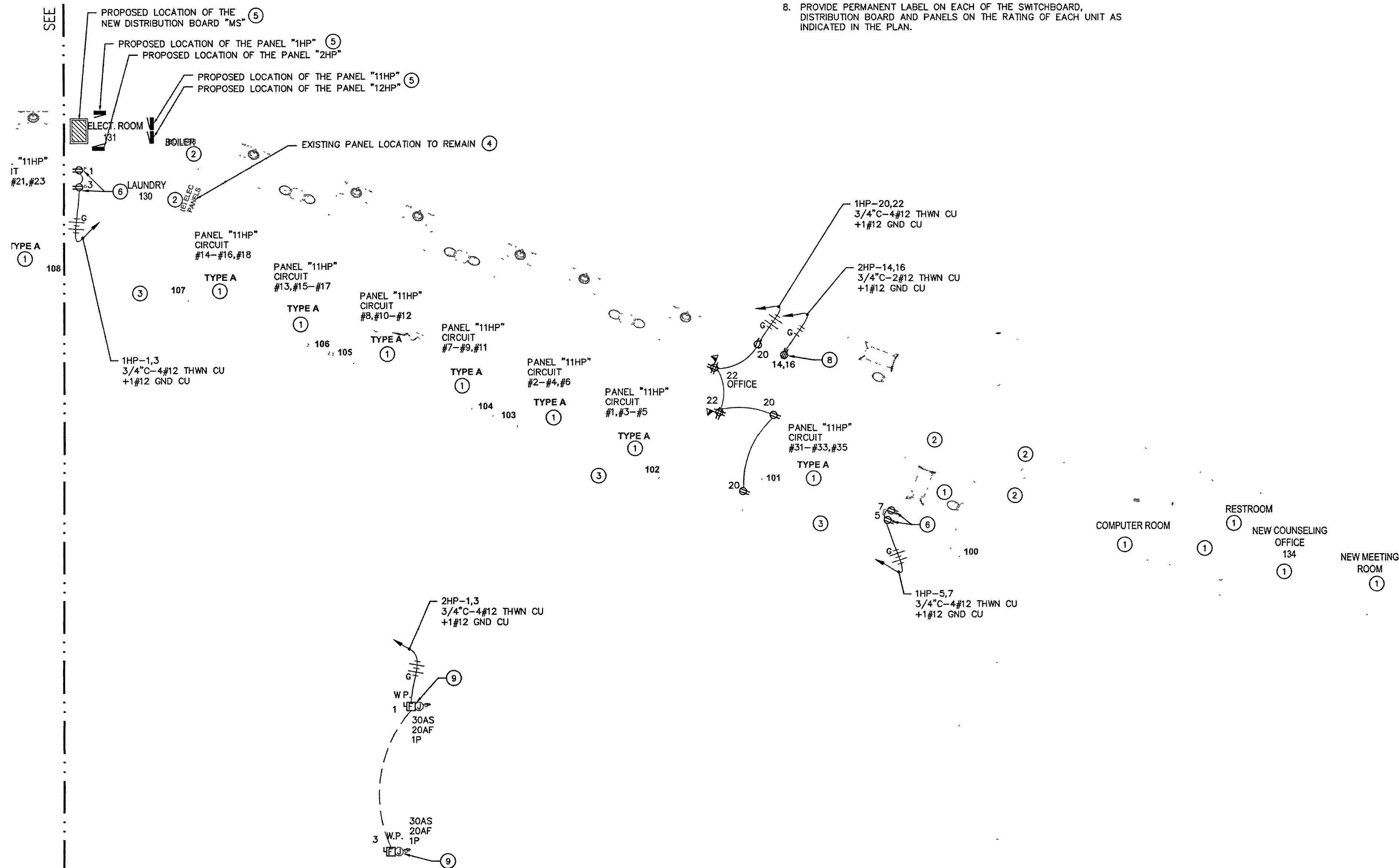
(N)PNL 12HP									
VOLTAGE: 120/240 VOLTS 1 PHASE, 3 WIRE									
BUS RATING: 225 AMPS									
MAIN: 150A MCB									
LOCATION:									
LOAD TYPE	LOAD (VA)	CN K.O.	LOAD SERVED	CB	C.O.P.H.A.S.E.	C.B.P.	CB	LOAD SERVED	CN K.O.
LOAD TYPE	LOAD (VA)	T	LOAD TYPE	LOAD (VA)	T	LOAD TYPE	LOAD (VA)	T	LOAD TYPE
RESIDENTIAL	1516	1	(N) (3) KITCHEN APPL (114)	201	A	1	201	(N) (1) RESTROOM REC(112)	2
RESIDENTIAL	1500	3	(N) (2) KITCHEN APPL (114)	201	A	1	201	(N) (1) RANGE (112)	4
HEAT	1200	5	(N) (1) RANGE (114)	201	A	1	201	(N) (2) KITCHEN APPL (112)	6
HEAT	1200	7	(N) (1) RANGE (114)	201	A	1	201	(N) (2) KITCHEN APPL (112)	8
RESIDENTIAL	1500	9	(N) (2) KITCHEN APPL (114)	201	A	1	201	(N) (2) KITCHEN APPL (112)	10
RESIDENTIAL	1516	11	(N) (2) KITCHEN APPL (114)	201	A	1	201	(N) (2) KITCHEN APPL (112)	12
RESIDENTIAL	1500	13	(N) (2) KITCHEN APPL (114)	201	A	1	201	(N) (2) KITCHEN APPL (112)	14
RESIDENTIAL	1500	15	(N) (2) KITCHEN APPL (114)	201	A	1	201	(N) (2) KITCHEN APPL (112)	16
HEAT	1200	17	(N) (1) RANGE (116)	201	A	1	201	(N) (1) RANGE (116)	18
HEAT	1200	19	(N) (1) RANGE (116)	201	A	1	201	(N) (1) RANGE (116)	20
RESIDENTIAL	1500	21	(N) (2) KITCHEN APPL (116)	201	A	1	201	(N) (2) KITCHEN APPL (116)	22
RESIDENTIAL	1500	23	(N) (2) KITCHEN APPL (116)	201	A	1	201	(N) (2) KITCHEN APPL (116)	24
RESIDENTIAL	1516	25	(N) (2) KITCHEN APPL (116)	201	A	1	201	(N) (2) KITCHEN APPL (116)	26
RESIDENTIAL	1500	27	(N) (2) KITCHEN APPL (116)	201	A	1	201	(N) (2) KITCHEN APPL (116)	28
SPARE	29	29	SPARE	201	A	1	201	SPARE	30
SPARE	31	31	SPARE	201	A	1	201	SPARE	32
SPARE	33	33	SPARE	201	A	1	201	SPARE	34
SPARE	35	35	SPARE	201	A	1	201	SPARE	36
SPARE	37	37	SPARE	201	A	1	201	SPARE	38
SPARE	39	39	SPARE	201	A	1	201	SPARE	40
SPARE	41	41	SPARE	201	A	1	201	SPARE	42

ALL CIRCUIT BREAKER MARKED WITH "*" SIGN SHALL BE ARC-FAULT TYPE CIRCUIT BREAKER, TYPICAL.
SEE SHEET E-3.0 FOR ENLARGED TYPICAL UNITS.

(N)PNL 2HP										A/C RATING			
VOLTAGE 120/240 VOLTS 1 PHASE, 3 WIRE													
BUS RATING: 225 AMPS										OPTIONS			
MAIN: 150A MCB										SURFACE MOUNTED			
LOCATION:													
LOAD TYPE		LOAD (VA)	CN K.O.	LOAD SERVED	CB	C.O.P.H.A.S.E.	C.B.P.	CB	LOAD SERVED	CN K.O.	LOAD (VA)	LOAD TYPE	
MOTOR	1200	1	GATE MOTOR	201	A	B	201	SPRKE	2				
MOTOR	1200	3	GATE MOTOR	201	A	B	201	SPRKE	4				
MOTOR	1200	5	GATE MOTOR	201	A	B	201	SPRKE	6				
MOTOR	1200	7	GATE MOTOR	201	A	B	201	SPRKE	8				
MOTOR	1200	9	ISPRKE	201	A	B	201	SPRKE	10				
		11	ISPRKE	201	A	B	201	SPRKE	12				
		13	ISPRKE	201	A	B	202	PTAC	14	1750	MOTOR		
		15	ISPRKE	201	A	B	201	PTAC	16	1750	MOTOR		
		17	ISPRKE	201	A	B	252	H-1 & FC-1	18	1698	MOTOR		
		19	ISPRKE	201	A	B	252	H-1 & FC-1	20	1698	MOTOR		
		21	ISPRKE	201	A	B	252	H-1 & FC-1	22	1698	MOTOR		
		23	ISPRKE	201	A	B	152	H-1 & FC-2	24	1698	MOTOR		
		25	ISPRKE	201	A	B	152	H-2 & FC-2	26	1380	MOTOR		
		27	ISPRKE	201	A	B	201	H-2 & FC-2	28	1380	MOTOR		
		29	ISPRKE	201	A	B		SPRKE	30				
DRAINING METHOD				PHASE A	PHASE B				FEED THROUGH PANEL				LOAD (VA)
LOAD (VA)				LOAD (VA)				LOAD (VA)				LOAD (VA)	
PANEL CALCULATIONS				DEMAND FACTOR				SUB FEED LOAD				LOAD TYPE	
LOAD TYPE		LOAD (VA)	DEMAND FACTOR		DEMAND LOAD								
RECEPTACLE		0	PER NEC ARTICLE 220 14		0 VA								
LIGHTING		0			0 VA								
MOTOR		16552	100%		16552 VA								
6 KITCHEN		0	100%		0 VA								
0.5 EVAPORATORS		0	100%		0 VA								
HEAT		0	60%		0 VA								
MEC		80	100%		80 VA								
HOTEL RES UNIT		8340	PER NEC ARTICLE 220 42		6869 VA								
0.8H PANEL S		0	100%		0 VA								
25% OF LARGEST MOTOR					649 VA								
HOT SPOT					780								

SEE SHEET NO. E-2.0B / PLAN B
MATCHLINE

SEE SHEET NO. E-2.0B / PLAN B
MATCHLINE



GENERAL NOTES

- (GENERAL NOTES ARE USED FOR SHEET E-2.0A AND E-2.0B)
- ALL DRY LOCATION CONDUIT IS METAL, ALL CONDUCTORS ARE COPPER TYPE "THHN/THWN" U.O.N.
 - ALL TERMINATION SHALL BE RATED FOR 75 DEGREES CELSIUS CONNECTIONS FOR COPPER CONDUCTORS.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF SWITCHGEAR TO UTILITY CO. FOR APPROVAL PRIOR TO ORDERING EQUIPMENT.
 - SWITCHBOARD AND INDIVIDUAL PANEL AIC SHALL BE ADJUSTED ACCORDING TO THE UTILITY AIC RATING.
 - ALL METALLIC CONDUIT SHALL BE GROUNDED.
 - ALL ELECTRICAL PANELS, DISTRIBUTION BOARD, EQUIPMENT, SWITCHES AND ETC., THAT ARE INSTALLED ON EXTERIOR LOCATIONS SHALL BE RATED FOR WET LOCATION AND WEATHERPROOF.
 - PROVIDE WEATHERPROOF SEAL TO ALL EXTERIOR PENETRATION.
 - PROVIDE PERMANENT LABEL ON EACH OF THE SWITCHBOARD, DISTRIBUTION BOARD AND PANELS ON THE RATING OF EACH UNIT AS INDICATED IN THE PLAN.

SPECIFIC NOTES:

- (SPECIFIC NOTES ARE USED FOR SHEET E-2.0A AND E-2.0B)
- SEE ENLARGE TYPICAL UNIT POWER PLAN ON SHEETS E-4.0 FOR THE NEW ELECTRICAL POWER ADDITIONAL OUTLETS. USED THE CIRCUITS INDICATED ON THIS PLAN FOR EACH OF THE INDIVIDUAL ROOMS / UNITS, TYPICAL.
 - EXISTING ELECTRICAL SYSTEM ON THIS ROOMS / UNITS SHALL REMAIN CONNECTED OR RE-CONNECTED AS REQUIRED, TYPICAL.
 - ALL EXISTING ELECTRICAL SYSTEM ON THE COMMON EXTERIOR AREAS SHALL REMAIN CONNECTED OR RE-CONNECTED AS REQUIRED, TYPICAL.
 - EXISTING PANELS AND SWITCHBOARD SHALL REMAIN CONNECTED OR RE-CONNECTED AS REQUIRED, TYPICAL.
 - PROPOSED LOCATION OF THE NEW ADDED PANEL AND DISTRIBUTION BOARD FOR THE NEW ADDED LOADS ON THE ROOMS / UNITS. PROVIDE THE REQUIRED 3' WORKING CLEARANCE IN FRONT OF THE PANEL AND DISTRIBUTION BOARD, TYPICAL.
 - ALL THE CIRCUIT BREAKERS THAT FEED THIS WASHER AND DRYER RECEPTACLE OUTLETS SHALL BE GFCI TYPE, TYPICAL.
 - NEW CONDUIT STUBBED IN SPACE C4 FOR FUTURE CAR CHARGER. SEE SINGLE LINE FOR DETAIL.
 - PROVIDE 20A, 2P RECEPTACLE OUTLET FOR THE PTAC UNIT.
 - CONNECT COMPLETE TO THE POWER SUPPLY AND CONTROL SYSTEM FOR THE GATE MOTOR, PROVIDE REQUIRED STRUCTURAL SUPPORT. SEE ARCHITECTURAL PLAN FOR EXACT LOCATION AND COMPLETE CONNECTION.

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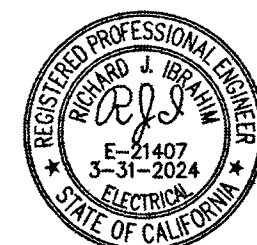
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SEAL AND STAMP



ISSUE DATES

DESCRIPTION	DATE
MEP REVISION	02/22/2023

JOB: _____
SCALE: AS SHOWN
DRAWN: CEG
DATE: 02/22/2023
SHEET TITLE


**PARTIAL 1ST
FLOOR POWER
PLAN A**

SHEET NO

E-2.0A

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1130 BROADWAY STREET
KING CITY, CA 93930

The logo for Creative Engineering Group features a large, stylized 'C' that incorporates a leaf-like shape on its right side. The word 'creative' is written in a lowercase, sans-serif font inside the upper curve of the 'C'. The word 'engineering' is written in a large, bold, lowercase, sans-serif font across the middle of the 'C'. The word 'group' is written in a lowercase, sans-serif font at the bottom right of the 'C'.

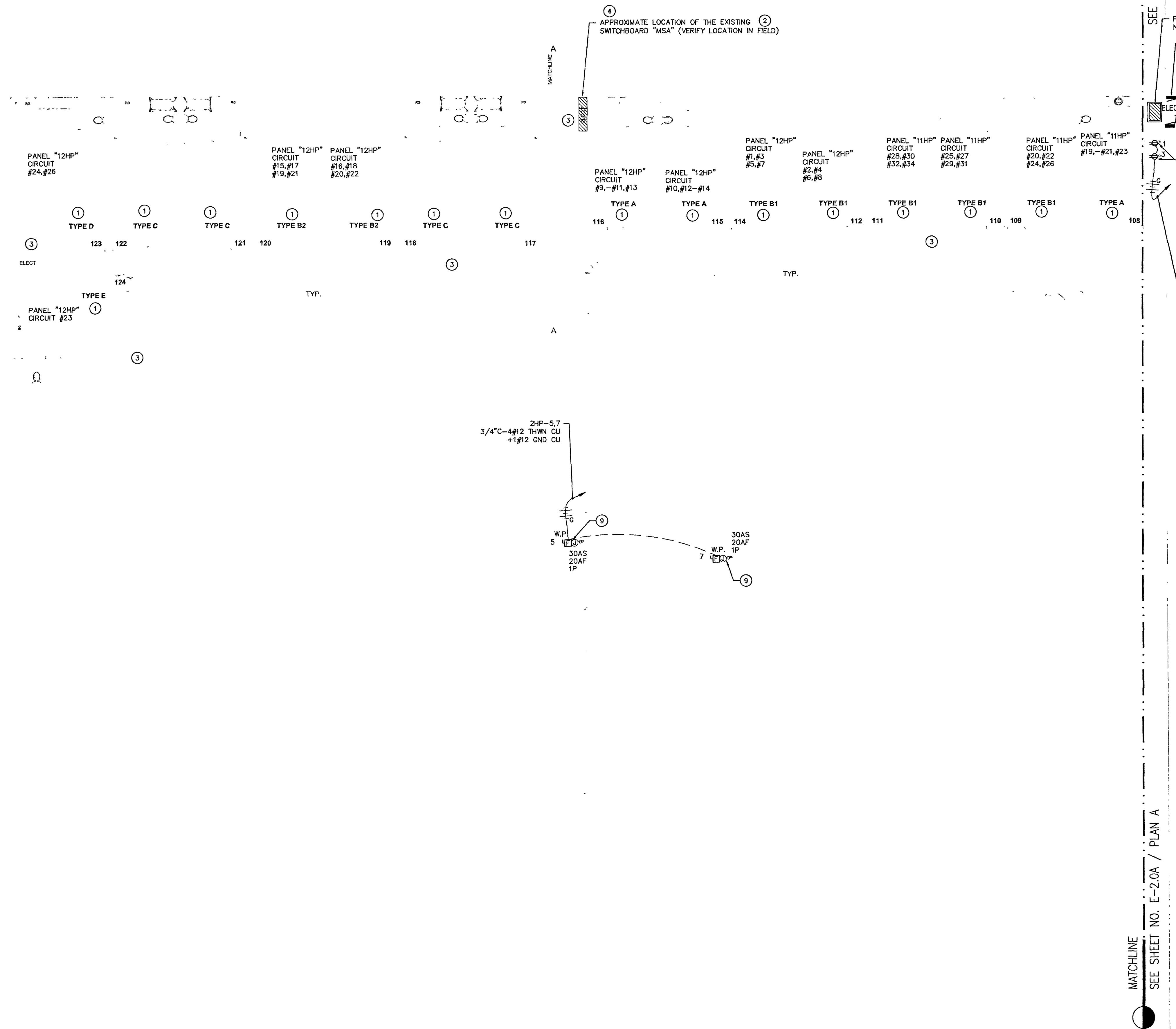
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ENGINEERING
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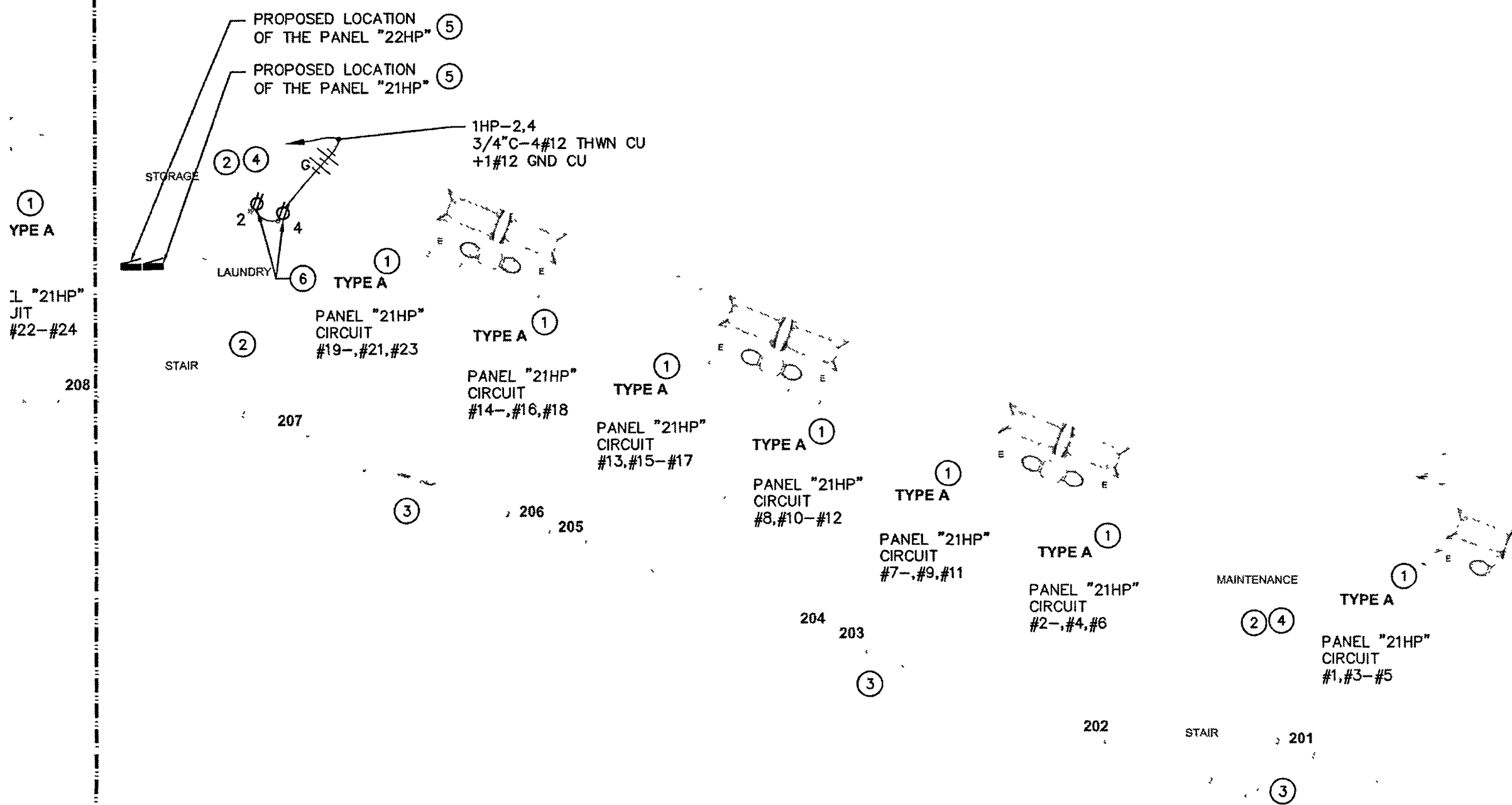
PARTIAL 1ST
FLOOR POWER
PLAN B

E-2.0B



SEE SHEET NO. E-2.1B / PLAN B
MATCHLINE

SEE SHEET NO. E-2.1B / PLAN B
MATCHLINE



GENERAL NOTES

(GENERAL NOTES ARE USED FOR SHEET E-2.1A AND E-2.1B)

1. ALL DRY LOCATION CONDUIT IS METAL, ALL CONDUCTORS ARE COPPER TYPE "THHN/THWN" U.O.N.
2. ALL TERMINATION SHALL BE RATED FOR 75 DEGREES CELSIUS CONNECTIONS FOR COPPER CONDUCTORS.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF SWITCHGEAR TO UTILITY CO. FOR APPROVAL PRIOR TO ORDERING EQUIPMENT.
4. SWITCHBOARD AND INDIVIDUAL PANEL A/C SHALL BE ADJUSTED ACCORDING TO THE UTILITY A/C RATING.
5. ALL METALLIC CONDUIT SHALL BE GROUNDED.
6. ALL ELECTRICAL PANELS, DISTRIBUTION BOARD, EQUIPMENT, SWITCHES AND ETC., THAT ARE INSTALLED ON EXTERIOR LOCATIONS SHALL BE RATED FOR WET LOCATION AND WEATHERPROOF.
7. PROVIDE WEATHERPROOF SEAL TO ALL EXTERIOR PENETRATION.
8. PROVIDE PERMANENT LABEL ON EACH OF THE SWITCHBOARD, DISTRIBUTION BOARD AND PANELS ON THE RATING OF EACH UNIT AS INDICATED IN THE PLAN.

SPECIFIC NOTES:

(SPECIFIC NOTES ARE USED FOR SHEET E-2.1A AND E-2.1B)

1. SEE ENLARGE TYPICAL UNIT POWER PLAN ON SHEETS E-4.0 FOR THE NEW ELECTRICAL POWER ADDITIONAL OUTLETS. USED THE CIRCUITS INDICATED ON THIS PLAN FOR EACH OF THE INDIVIDUAL ROOMS / UNITS, TYPICAL.
2. EXISTING ELECTRICAL SYSTEM ON THIS ROOMS / UNITS SHALL REMAIN CONNECTED OR RE-CONNECTED AS REQUIRED, TYPICAL.
3. ALL EXISTING ELECTRICAL SYSTEM ON THE COMMON EXTERIOR AREAS SHALL REMAIN CONNECTED OR RE-CONNECTED AS REQUIRED, TYPICAL.
4. EXISTING PANELS AND SWITCHBOARD SHALL REMAIN CONNECTED OR RE-CONNECTED AS REQUIRED, TYPICAL.
5. PROPOSED LOCATION OF THE NEW ADDED PANEL AND DISTRIBUTION BOARD FOR THE NEW ADDED LOADS ON THE ROOMS / UNITS. PROVIDE THE REQUIRED 3' WORKING CLEARANCE IN FRONT OF THE PANEL AND DISTRIBUTION BOARD, TYPICAL.
6. ALL THE CIRCUIT BREAKERS THAT FEED THIS WASHER AND DRYER RECEPTACLE OUTLETS SHALL BE GFCI TYPE, TYPICAL.

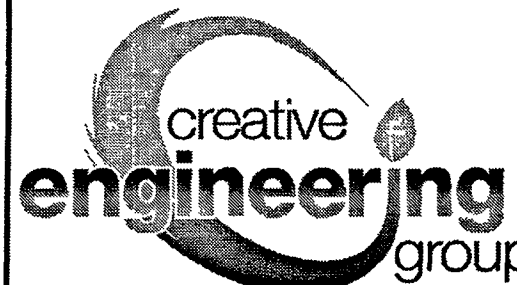
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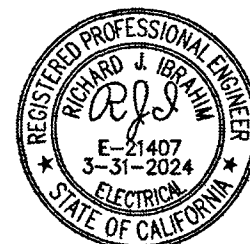
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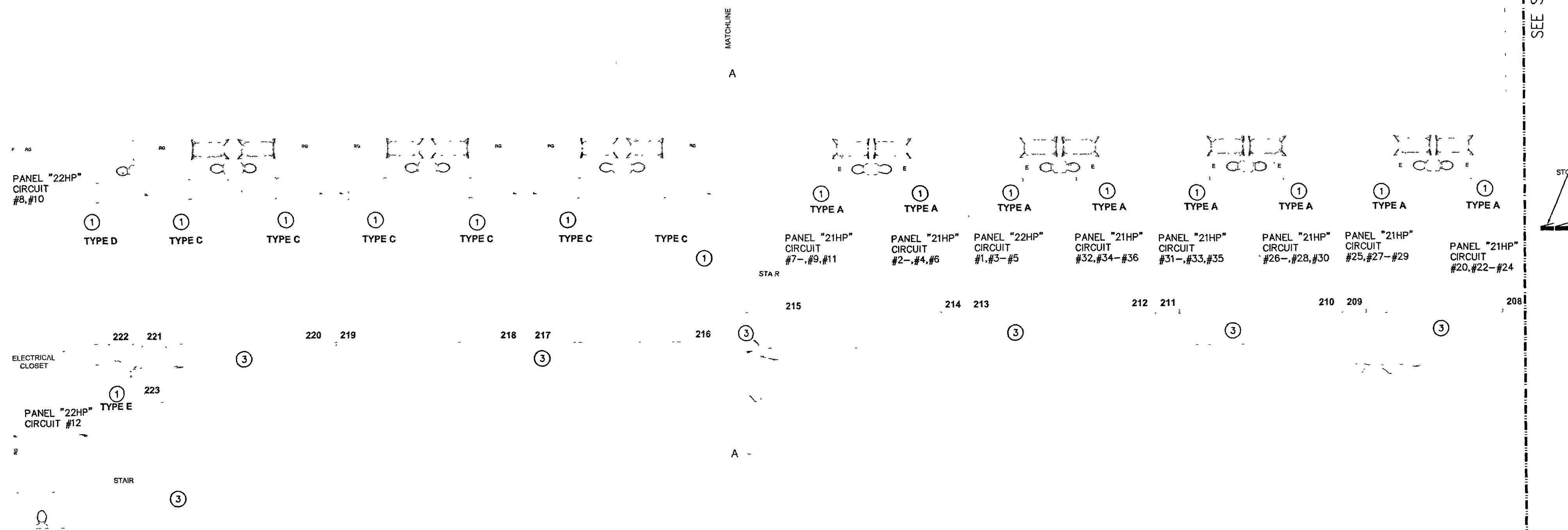
DESCRIPTION	DATE
MEP REVISION	02/22/2023

JOB
SCALE AS SHOWN
DRAWN: CEG
DATE: 02/22/2023
SHEET TITLE

PARTIAL 2ND
FLOOR POWER
PLAN A

SHEET NO:

E-2.1A



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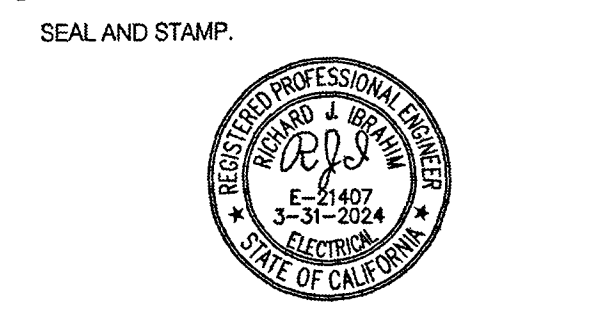
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ISSUE DATES	
DESCRIPTION	DATE
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JOB: _____

SCALE: AS SHOWN

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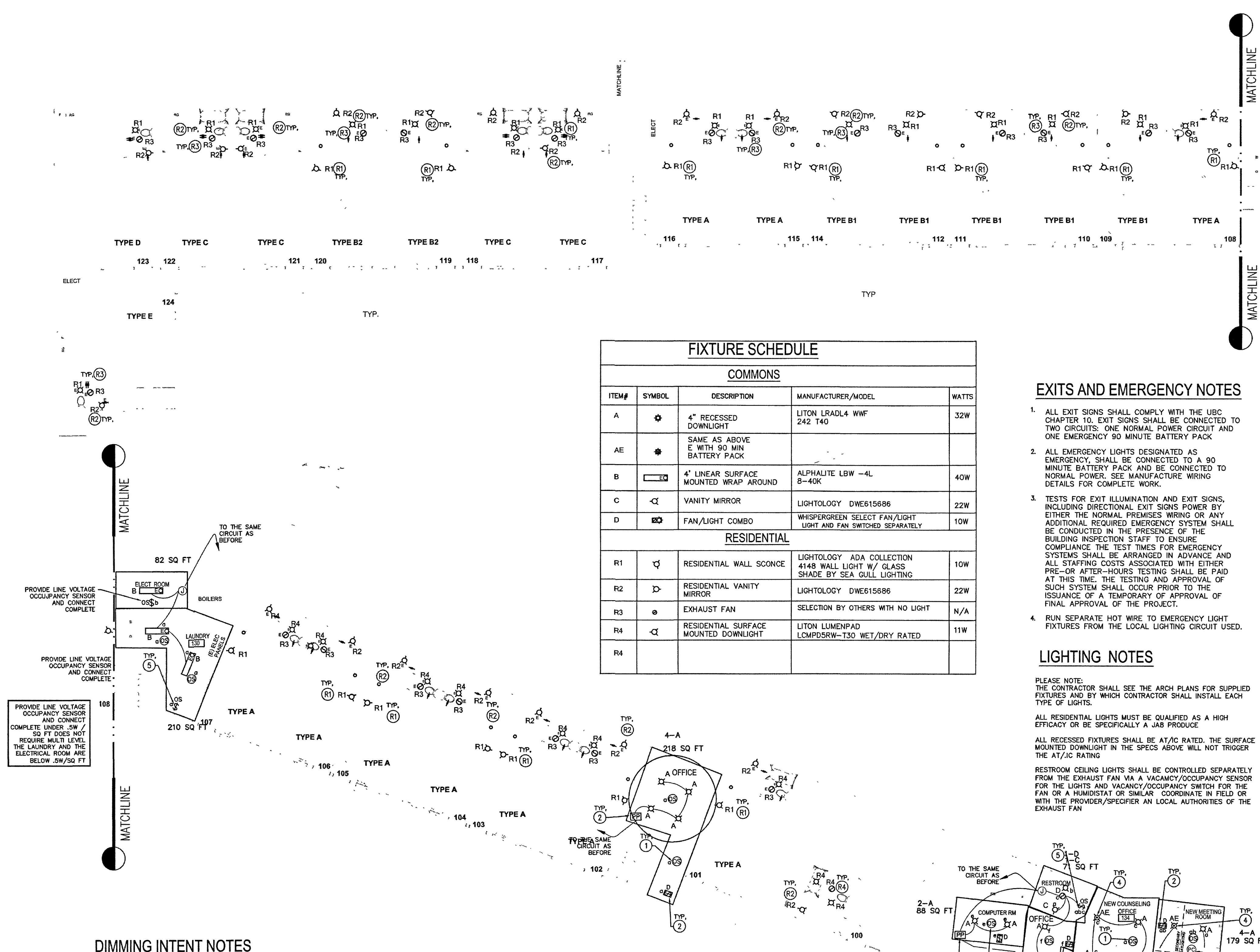
DATE: 02/22/2023

SHEET TITLE:

PARTIAL 2ND FLOOR POWER PLAN B

SHEET NO

E-2.1B



FIXTURE SCHEDULE

COMMONS				
ITEM#	SYMBOL	DESCRIPTION	MANUFACTURER/MODEL	WATTS
A	⊙	4" RECESSED DOWNLIGHT	LITON LRADL4 WWF 242 T40	32W
AE	⊙	SAME AS ABOVE E WITH 90 MIN BATTERY PACK		
B	□	4' LINEAR SURFACE MOUNTED WRAP AROUND	ALPHALITE LBW -4L 8-40K	40W
C	◁	VANITY MIRROR	LIGHTOLOGY DWE615686	22W
D	⊙	FAN/LIGHT COMBO	WHISPERGREEN SELECT FAN/LIGHT LIGHT AND FAN SWITCHED SEPARATELY	10W
RESIDENTIAL				
R1	◁	RESIDENTIAL WALL SCONCE	LIGHTOLOGY ADA COLLECTION 4148 WALL LIGHT W/ GLASS SHADE BY SEA GULL LIGHTING	10W
R2	▷	RESIDENTIAL VANITY MIRROR	LIGHTOLOGY DWE615686	22W
R3	⊙	EXHAUST FAN	SELECTION BY OTHERS WITH NO LIGHT	N/A
R4	◁	RESIDENTIAL SURFACE MOUNTED DOWNLIGHT	LITON LUMENPAD LCMPDSRW-T30 WET/DRY RATED	11W

EXITS AND EMERGENCY NOTES

- ALL EXIT SIGNS SHALL COMPLY WITH THE UBC CHAPTER 10. EXIT SIGNS SHALL BE CONNECTED TO TWO CIRCUITS: ONE NORMAL POWER CIRCUIT AND ONE EMERGENCY 90 MINUTE BATTERY PACK
- ALL EMERGENCY LIGHTS DESIGNATED AS EMERGENCY, SHALL BE CONNECTED TO A 90 MINUTE BATTERY PACK AND BE CONNECTED TO NORMAL POWER. SEE MANUFACTURE WIRING DETAILS FOR COMPLETE WORK.
- TESTS FOR EXIT ILLUMINATION AND EXIT SIGNS, INCLUDING DIRECTIONAL EXIT SIGNS POWER BY EITHER THE NORMAL PREMISES WIRING OR ANY ADDITIONAL REQUIRED EMERGENCY SYSTEM SHALL BE CONDUCTED IN THE PRESENCE OF THE BUILDING INSPECTION STAFF TO ENSURE COMPLIANCE THE TEST TIMES FOR EMERGENCY SYSTEMS SHALL BE ARRANGED IN ADVANCE AND ALL STAFFING COSTS ASSOCIATED WITH EITHER PRE-OR AFTER-HOURS TESTING SHALL BE PAID AT THIS TIME. THE TESTING AND APPROVAL OF SUCH SYSTEM SHALL OCCUR PRIOR TO THE ISSUANCE OF A TEMPORARY OF APPROVAL OF FINAL APPROVAL OF THE PROJECT.
- RUN SEPARATE HOT WIRE TO EMERGENCY LIGHT FIXTURES FROM THE LOCAL LIGHTING CIRCUIT USED.

LIGHTING NOTES

PLEASE NOTE: THE CONTRACTOR SHALL SEE THE ARCH PLANS FOR SUPPLIED FIXTURES AND BY WHICH CONTRACTOR SHALL INSTALL EACH TYPE OF LIGHTS.

ALL RESIDENTIAL LIGHTS MUST BE QUALIFIED AS A HIGH EFFICACY OR BE SPECIFICALLY A JAB PRODUCE

ALL RECESSED FIXTURES SHALL BE AT/IC RATED, THE SURFACE MOUNTED DOWNLIGHT IN THE SPECS ABOVE WILL NOT TRIGGER THE AT/IC RATING

RESTROOM CEILING LIGHTS SHALL BE CONTROLLED SEPARATELY FROM THE EXHAUST FAN VIA A VACACNY/OCCUPANCY SENSOR FOR THE LIGHTS AND VACANCY/OCCUPANCY SWITCH FOR THE FAN OR A HUMIDISTAT OR SIMILAR. COORDINATE IN FIELD OR WITH THE PROVIDER/SPECIFIER AN LOCAL AUTHORITIES OF THE EXHAUST FAN

DIMMING INTENT NOTES

ALL THE NEW LIGHTS SHALL BE CONNECTED AND CONTROLLED CONTROLLED AUTOMATICALLY VIA A LOCAL DIMMING RELAY BY LUTRON VIA A HYBRID OF THE VIVE AND ATHENA SYSTEMS. LOCAL AREA CONTROLS SHALL USE WITH EITHER A VIVE (WIRELESS) PICO SWITCHES OR A ATHENA (WIRED) PROGRAMMABLE SWITCH. THE MANUFACTURE WILL MAKE DETERMINATION OF WHEN IT WILL BE VIVE OR A ATHENA TYPE SYSTEM BASED ON THE APPLICATION AND PLANS PROVIDED. THE DETERMINATION WILL BE BASED ON DISTANCES TO CONTROL DEVICES AND COSTS OF THE SYSTEM

THE CONTRACTOR SHALL PROVIDE A COMPLETE LIGHTING CONTROL DIMMING SYSTEM COMPLETE WITH ALL ACCESSORIES, WARRANTIES, ENGRAVING AND APPS AS OUTLINED IN THE PLAN AND RECOMMENDED BY WESTERN OR LUTRON TO MAKE THE COMPLETE PACKAGE. OBTAIN FULL BILL OF MATERIALS FROM WESTERN OR LUTRON PRIOR TO BID AND INSTALLATION. THE SYSTEM SHALL MEET THE CRITERIA BELOW AND THE E.C./VENDOR/MANUFACTURER REP ARE RESPONSIBLE TO PROVIDE AND INSTALL THE SYSTEM COMPLETE WITH PROGRAMMING. ALL QUESTIONS SHALL BE BROUGHT UP PRIOR TO BID FOR A COMPLETE SYSTEM COST. THE ELECTRICAL ENGINEER WILL REQUIRE SUBMITTALS, HOWEVER THOSE SUBMITTAL WILL ONLY BE CHECKED AS TO ITS GENERAL INTENT AND QUALITY OF THE SYSTEM PROVIDED. DEVICES, PART NUMBERS OR QUANTITIES WILL NOT BE CHECKED BY THE ELECTRICAL ENGINEER. THE SYSTEMS BILL OF MATERIALS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND VENDOR.

- PROVIDE LOW VOLTAGE DIMMING RELAY MODULES AND LOCAL WIRELESS DIMMING CONTROL SWITCHES (PICO SWITCHES) AND ANY OTHER CONTROL WIRELESS DEVICES AS SHOWN ON THE PLAN OR RECOMMENDED BY THE MANUFACTURE TO COMPLETE THE SYSTEM INTENT FOR EACH ZONE.
- EACH PP SYMBOL IS APPROXIMATE LOCATION OF THE VIVE POWER PACK RELAYS. THE SUBSCRIPT LETTER (abc....) REPRESENT A SEPARATE ZONE AND RELAY MODULE REQUIRED FOR EACH OF THE ZONES. THE MODULES SHALL BE LOCATED IN A ACCESSIBLE CEILING OUT OF PEOPLES VIEW. OPTIMAL PLACEMENT IS ABOVE THE LOCAL CONTROL SWITCH BUT ONLY CAUSE THEY ARE EASY TO FIND LATER, HOWEVER WHEN IS STILL WITHIN SITE OF PEOPLE THEN IT MAY BE PUT IN AN ADJACENT AREA IN AN ACCESSIBLE CEILING. AND IF PLACED WITH IN A HARD LID CEILING THE E.C. SHALL PROVIDE ACCESS PANEL SIZED APPROPRIATELY TO REACH THE RELAYS. COORDINATE BEST PLACEMENT IN FIELD WITH OWNER/ARCH. E.C. SHALL MARK THE PLANS FOR THE CLIENT OF ACTUAL INSTALLED LOCATION OF EACH DIMMING RELAY MODULE AND PICO DEVICES, DAYLIGHTING SENSORS AND OCCUPANCY SENSOR ON A 8X11 PLAN FOR THE OWNERSHIPS RECORDS. SEE SUGGESTED LOCATION ON PLANS. NO EXTRA ALLOWED FOR ACCESS PANEL IF LOCATION IN A HARD CEILING IS DECIDED UPON.
- ALL WIRING DIAGRAM/DETAILS AND BILL OF MATERIALS SHALL BE OBTAINED BY THE E.C. FROM THE WESTERN LIGHTING CONTROLS. CONTACT KERRY HARRISON OF LUTRON PRIOR TO FINAL BID FOR THIS SYSTEM.
- PROVIDE OCCUPANCY SENSORS INTERCONNECTED WITH SYSTEM AS SHOWN ON THE PLANS. THE CONTRACTOR MAY OPTION TO INSTALL THEM IN THE BEST FIELD LOCATED LOCATIONS. IT IS SUGGESTED TO CONSULT WITH THE LUTRON REPRESENTATIVE TO SEE THE OPTIONS AVAILABLE AND TO INSTALL IN A LOCATION THAT IS NOT PRONE TO FALSE TRIGGERS AND AS REQUIRED BY THE ENERGY CODE. COORDINATE LAYOUTS WITH THE VENDOR, MANUFACTURES REP.
- PICO SWITCHES, OCCUPANCY SENSORS AND DAYLIGHTING PHOTOCELLS ARE ALL WIRELESS DEVICES AND PAIRED TO THE DIMMING RELAY. NO WIRING IS REQUIRED TO THESE DEVICES. THE BATTERY IS PROVEN TO LAST ±10 YEARS IN EACH DEVICE. A ESTIMATE BATTERY REPLACEMENT DATE SHALL BE PLACED ON THE OWNER 8X11 CONTROLS REFERENCE SHEET. THAT SHEET SHALL ALSO BE PROVIDED VIA PDF IN CONJUNCTION WITH ANY OF THE DOCUMENTATION LUTRON PROVIDES.
- A FULL LIGHTING FIXTURE SUBMITTAL OF THE FINAL FIXTURE TO BE PURCHASED SHALL BE PROVIDED TO THE CONTROLS VENDOR / MANUFACTURE TO MACH THE DIMMING PROTOCOL USED BY EACH FIXTURE AND MATCHED WITH THE SYSTEM. IF A SUBSTITUTION IS MADE AFTER SYSTEMS BILL OF MATERIAL IS PROVIDED OR INSTALLED, IT SHALL BE QUICKLY APPROVED BY LUTRON THAT DEVICES PROVIDE ARE STILL COMPATIBLE OR NEW RELAYS ARE REQUIRED. THE LIGHT FIXTURES AND MATCHING DIMMING RELAY SHALL BE PROVIDED FOR OPTIMAL DIMMING DOWN TO 5% UNLESS A 1% IS REQUESTED BY OTHERS ON THE TEAM.

- SPECIFIC COMMON AREA NOTES:**
- PROVIDE LUTRON VIVE OCCUPANCY SENSOR AND PROGRAM TO LIGHTING DIMMING MODULES AS DIRECTED BY LUTRON. PROVIDE PARTIAL ON/OFF CONTROL PROGRAMMING.
 - PROVIDE LOW VOLTAGE LOCAL ROOM CONTROL CONNECTED TO THE POWER PACK/DIMMING MODULE COMPLETE PER MANUFACTURE WIRING DIAGRAMS PROVIDE 2, 4 OR 6 BUTTON CONTROLS AS REQUIRED PER ZONES CONTROLLED. CONNECT COMPLETE WITH SYSTEM PER MANUFACTURERS WIRING DIAGRAMS.
 - PROVIDE POWER PACK/DIMMING MODULE OR ROOM CONTROLLER. SEE DIMMING INTENT NOTE FOR MORE INFORMATION ON SYSTEM TO BE USED. POWER PACK MODULE SHALL MATCH THE LOAD IT CONTROLS FOR PROPER PERFORMANCE.
 - EMERGENCY LIGHTING SHALL BE PROVIDED WITH A 90 MINUTE BATTERY PACK.
 - PROVIDE AND INSTALL A LINE VOLTAGE OCCUPANCY SENSOR IN THE PUBLIC RESTROOM. THE LIGHTS AND THE EXHAUST FAN SHALL BE CONTROLLED SEPARATELY. CONNECT THE LIGHT AND EXHAUST FAN COMPLETE. COORDINATE THE SPECS FOR THE EF FOR COMPLETE WORK.

- SPECIFIC RESIDENTIAL AREA NOTES:**
- WHEN A R1 IS SHOWN THE CONTRACTOR SHALL PROVIDE AND CONNECT THE NEW DOWNLIGHT WITH CONTROL COMPLETE. FOR CONTROLS IN THE ROOMS PROVIDE A VACANCY/OCCUPANCY SWITCH ON THE WALL AND USE THE SAME CIRCUIT DESIGNATED FOR LIGHTING PER FIELD CONDITIONS
 - WHEN A R2 IS SHOWN THE CONTRACTOR SHALL PROVIDE AND CONNECT THE NEW VANITY MIRROR FIXTURE WITH CONTROL COMPLETE. REPLACE FIXTURE WHEN A FIXTURE IS PRESENT AND VACACNY/OCCUPANCY SENSOR SWITCH SHALL BE P FOR CONTROLS IN THE ROOMS PROVIDE A VACANCY/OCCUPANCY SWITCH ON THE WALL AND USE THE SAME CIRCUIT DESIGNATED FOR LIGHTING PER FIELD CONDITIONS.
 - WHEN A R3 IS SHOWN THE CONTRACTOR SHALL PROVIDE AND CONNECT THE NEW DOWNLIGHT AND EXHAUST FAN THE RESTROOM. THE EXHAUST FAN AND THE LIGHT SHALL BE CONTROLLED SEPARATELY PER THE CODE BY AVACACNY/OCCUPANCY SENSOR SWITCH AND FAN SHALL BE VERIFIED IF A SENSOR SWITCH SHALL E USED OR A HUMIDITY SENSOR SHALL BE USED PER THE LOCAL AUTHORITIES REQUIREMENTS.
 - WHEN A R4 IS SHOWN THE CONTRACTOR SHALL PROVIDE AND CONNECT THE NEW DOWNLIGHT A VACACNY/OCCUPANCY SENSOR SWITCH

GENERAL NOTES

DIMENSIONS AND LOCATION OF LIGHTING FIXTURES AND SWITCH LOCATION SHALL BE COORDINATED WITH THE ARCH PLAN PRIOR TO BID AND INSTALLATION FOR COMPLETE WORK.

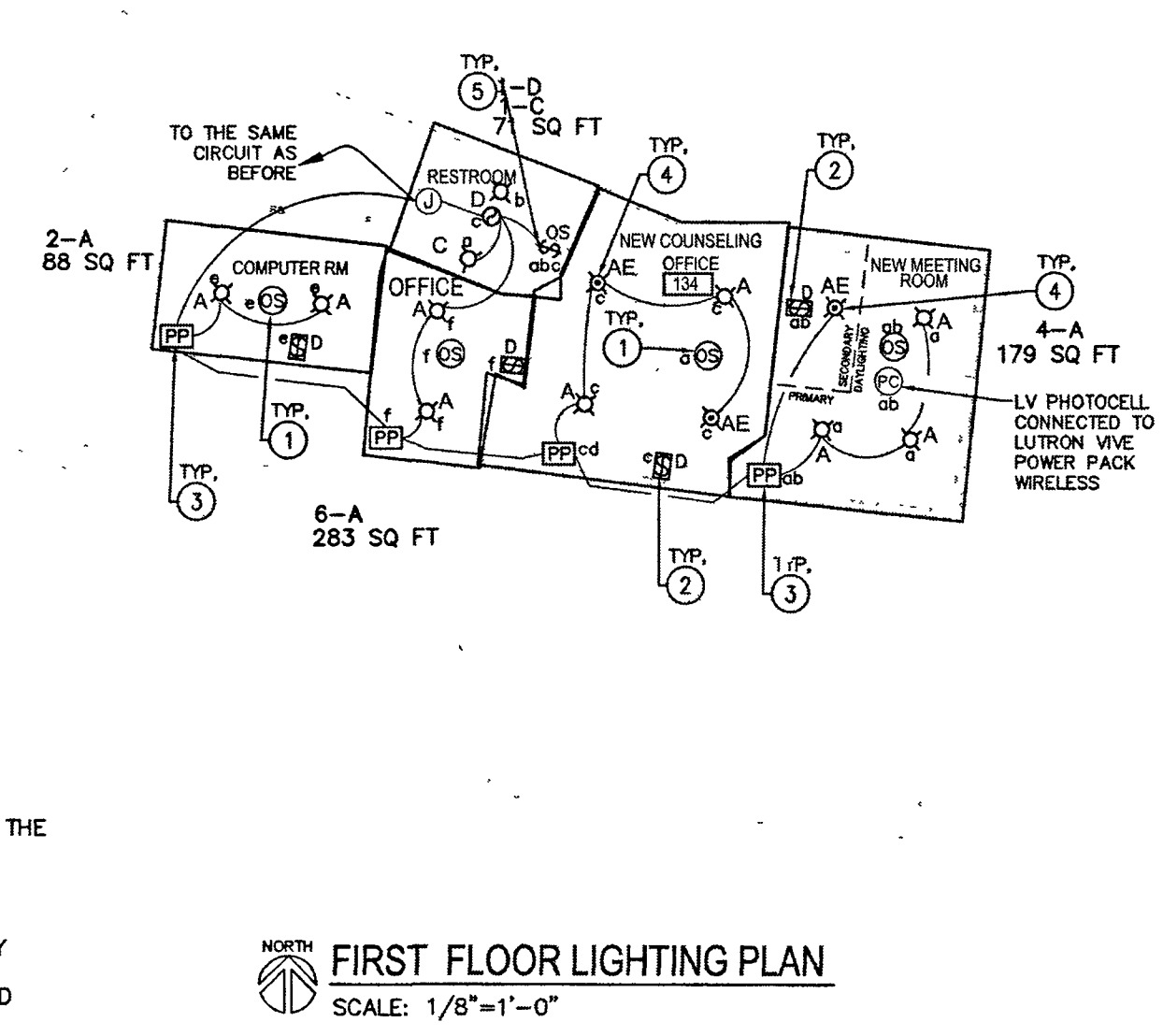
DIMMING RELAY MODULES AND/OR ROOM CONTROLLER SHALL BE LOCATED NOT TO BE SEENS BY THE GENERAL PUBLIC. WHEN HARD LIDS ARE IN THE ROOMS, THERE IS OPTION TO JUST HAVE IT ABOVE THE HARD LIDS OF AN ADJACENT AREA OR PROVIDE ACCESS PANELS AS REQUIRED.

AT THE END OF THE INSTALLATION THE CONTRACTOR SHALL BE RESPONSIBLE TO CREATE A MAP OF ALL THE DIMMING RELAY MODULES REAL AND FINAL LOCATIONS. TO BE GIVEN TO THE OWNER FOR MAINTENANCE LOCATIONS.

ALL OTHER AREAS WITH NO WORK SHOWN ON THE PLANS SHALL REMAIN AS IS - INCLUDING THE FORESS EXIT PATH. EMERGENCY LIGHTING AND EXIT SIGNS. NEW EMERGENCY LIGHTING SHOWN WITH IN THE TWO OFFICES AS A BEST PRACTICE IN THIS APPLICATION.

FRONT SIGNAGE

NO NEW SIGN WORK TO BE DONE



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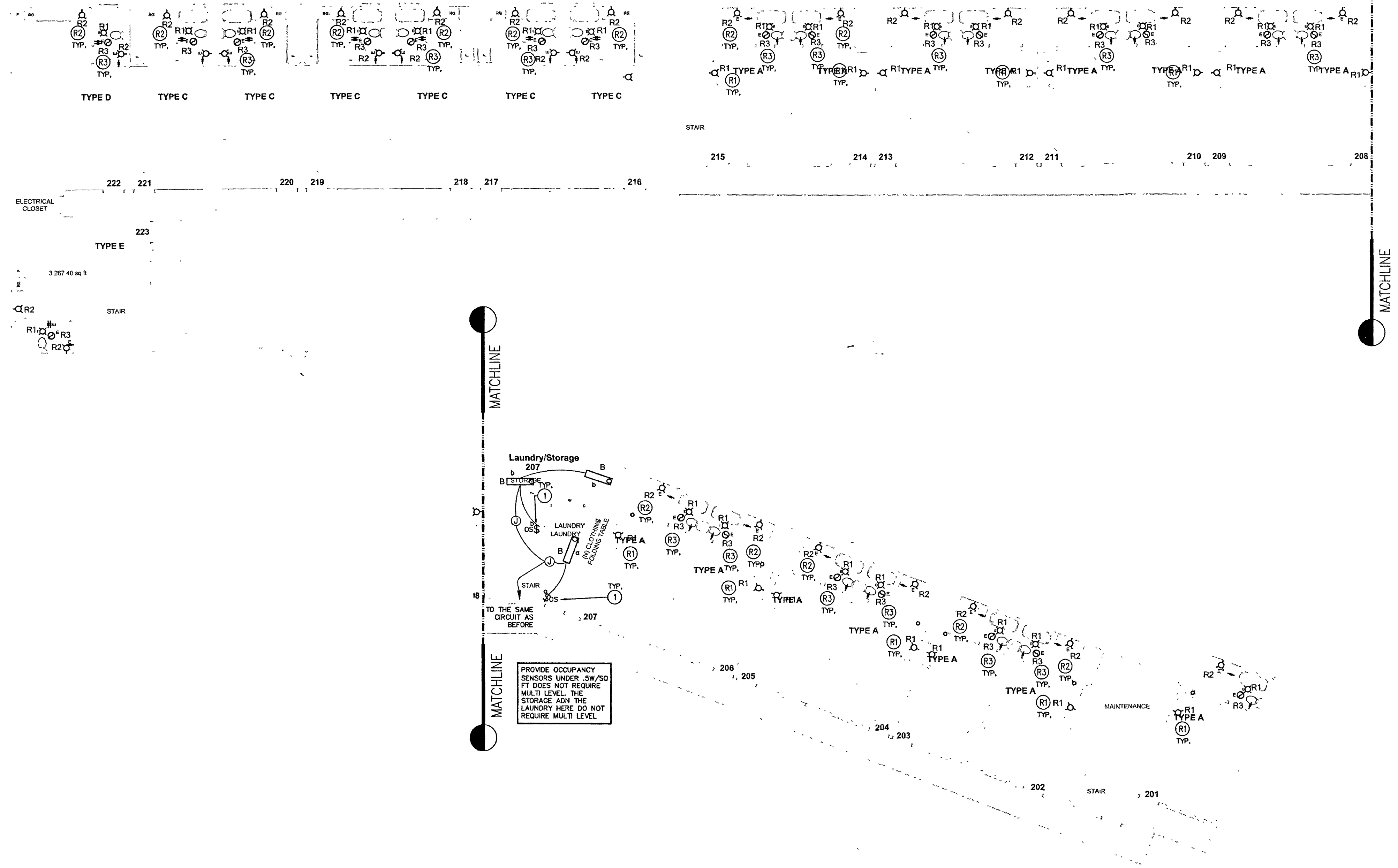
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SHEET TITLE: _____

1ST FLOOR LIGHTING PLAN

SHEET NO: _____

E-3.0



SECOND FLOOR LIGHTING PLAN
SCALE: 1/8"=1'-0"

SPECIFIC COMMON AREA NOTES:

- ① PROVIDE AND INSTALL A LINE VOLTAGE OCCUPANCY SENSOR IN THE PUBLIC RESTROOM. THE LIGHTS AND THE EXHAUST FAN SHALL BE CONTROLLED SEPARATELY. CONNECT THE LIGHT AND EXHAUST FAN COMPLETE. COORDINATE THE SPECS FOR THE EF FOR COMPLETE WORK.

SPECIFIC RESIDENTIAL AREA NOTES:

- ① WHEN A R1 IS SHOWN THE CONTRACTOR SHALL PROVIDE AND CONNECT THE NEW FIXTURE WITH CONTROL COMPLETE. FOR CONTROLS IN THE ROOMS PROVIDE A VACANCY/OCCUPANCY SWITCH ON THE WALL AND USE THE SAME CIRCUIT DESIGNATED FOR LIGHTING PER FIELD CONDITIONS

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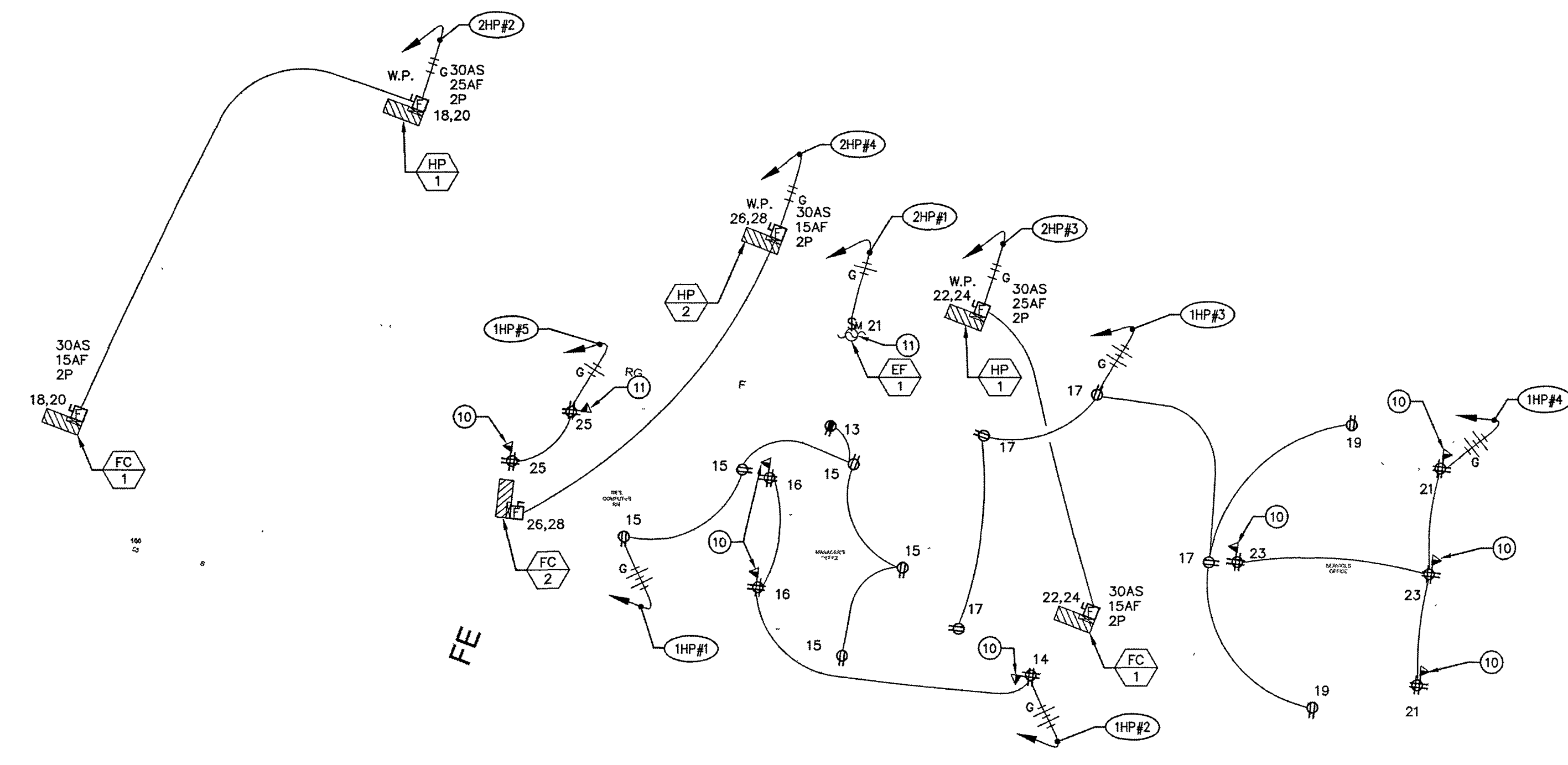


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DESCRIPTION	DATE
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SCALE	AS SHOWN
DRAWN	CEG
DATE	02/22/2023
SHEET TITLE:	

**2ND FLOOR
LIGHTING
PLAN**

SHEET NO:

E-3.1



PANEL 1HP:

- 1HP#1 - 1HP-13,15
3/4"C-4#12 THWN CU
+1#12 GND CU
- 1HP#2 - 1HP-14,16
3/4"C-4#12 THWN CU
+1#12 GND CU
- 1HP#3 - 1HP-17,19
3/4"C-4#12 THWN CU
+1#12 GND CU
- 1HP#4 - 1HP-21,23
3/4"C-4#12 THWN CU
+1#12 GND CU
- 1HP#5 - 1HP-25
3/4"C-2#12 THWN CU
+1#12 GND CU

PANEL 2HP:

- 2HP#1 - 2HP-21
3/4"C-2#12 THWN CU
+1#12 GND CU
- 2HP#2 - 2HP-18,20
3/4"C-2#10 THWN CU
+1#12 GND CU
- 2HP#3 - 2HP-22,24
3/4"C-2#10 THWN CU
+1#12 GND CU
- 2HP#4 - 2HP-26,28
3/4"C-2#12 THWN CU
+1#12 GND CU

SPECIFIC NOTES

- 1 NEW KITCHENETTE LOADS THAT SHALL BE CONNECTED:
(1) 1200W (2) BURNER (HARDWIRED)
(2) GFCI RECEPTACLE ABOVE COUNTER
(1) RECEPTACLE BELOW COUNTER (FOR REFRIGERATOR)
(1) EXHAUST FAN WITH CONTROLS
(1) RECEPTACLE OUTLET NEXT TO THE DINING AREA
- 2 ALL LOCATIONS FOR THE KITCHENETTE SHALL BE AS PER THE ARCHITECT DETAILS. COORDINATE PRIOR TO ANY INSTALLATION FOR A COMPLETE WORK.
- 3 CONNECT COMPLETE EXHAUST FAN POWER SUPPLY AND CONTROL SYSTEM. SEE MECHANICAL PLANS. VERIFY EXACT LOCATION OF CONTROLS AND CONNECT COMPLETE, TYPICAL.
- 4 CONNECT COMPLETE TO THE POWER SUPPLY AND CONTROL SYSTEM OF THE UNIT ELECTRIC RANGE.
- 5 ALL EXISTING INDIVIDUAL ROOM OUTLETS AND LIGHTING CIRCUIT SHALL REMAIN CONNECTED OR RECONNECTED AS REQUIRED, TYPICAL.
- 6 PROVIDE RECEPTACLE OUTLET AS PER THE HVAC MANUFACTURE RECOMMENDATION AND SPECIFICATION. RECEPTACLE OUTLET FOR THE HVAC UNIT SHALL HAVE RATING FOR MINIMUM 20 AMP, TYPICAL.
- 7 CONNECT COMPLETE TO GARBAGE DISPOSAL EQUIPMENT POWER SUPPLY AND CONTROL SYSTEM SWITCH THAT IS LOCATED ABOVE COUNTER. SEE ARCHITECTURAL PLAN FOR EXACT MOUNTING LOCATION. (TYPICAL)
- 8 RECEPTACLE OUTLETS THAT ARE LOCATED AT THE BACK OF LARGE EQUIPMENT IN THE UNIT, SUCH AS DISHWASHER, REF WASHER, DRYER SHALL BE PROTECTED BY A COMBINATION GFCI AND AFCI CIRCUIT BREAKER. (TYPICAL)
- 9 RECEPTACLE OUTLET FOR UNIT ELECTRIC RANGE, THIS SHALL BE RATED FOR A MINIMUM OF 50 AMPERE, 2 POLE. TYPICAL TO ALL UNIT ELECTRIC RANGE.
- 10 PROVIDE A 3/4" CONDUIT WITH PULL WIRE THAT CONNECT ALL THE DATA, TELEPHONE AND CABLE TV OUTLETS TO THE MAIN LOW VOLTAGE TELEPHONE BACKBOARD AT EACH LEVEL.
- 11 CONNECT COMPLETE EXHAUST FAN AND EXHAUST HOOD POWER SUPPLY AND CONTROL SYSTEM. SEE MECHANICAL PLAN FOR EXACT LOCATION AND COMPLETE CONNECTION, TYPICAL.
- 12 DEMO THIS EXISTING RECEPTACLE OUTLET AND PROVIDE RECEPTACLE OUTLET ON A DIFFERENT LOCATION AS SHOWN TO COMPLY ON THE MINIMUM REQUIRED RECEPTACLE OUTLET ON THE WALL. USE #12 AWG WIRE AND CONNECT TO THE EXISTING RECEPTACLE CIRCUIT IN THE UNIT.
- 13 PROVIDE NEW RECEPTACLE OUTLET ON THE LOCATION AS SHOWN TO COMPLY ON THE MINIMUM REQUIRED RECEPTACLE OUTLET ON THE WALL AND CIRCUIT AS SHOWN IN SHEET E2.0A, E2.0B, E2.1A & E2.1B AND IN THE PANEL SCHEDULES.
- 14 PROVIDE NEW RECEPTACLE OUTLET ON THE LOCATION AS SHOWN TO REPLACE THE EXISTING THAT WAS DEMO CIRCUIT AS SHOWN IN SHEET E2.0A, E2.0B, E2.1A & E2.1B AND IN THE PANEL SCHEDULES.

SCOPE OF WORK

1. PROVIDE NEW CONNECTION FOR THE NEW KITCHEN BURNER WITH ABOVE COUNTER GFCI RECEPTACLE OUTLETS, RECEPTACLE OUTLET ON THE DINING AREA AND THE MINI REFRIGERATOR THAT IS BELOW COUNTER IN EACH UNIT.
2. PROVIDE POWER AND CONTROL CONNECTION TO THE NEW EXHAUST FAN AT KITCHENETTE.
3. PROVIDE NEW PANEL WITH 600A BUS AND 450A MAIN CIRCUIT BREAKER, 120/240V, 1 PHASE, 3W SYSTEM FOR THE NEW ADDED LOAD. SEE SINGLE LINE DIAGRAM FOR CONNECTION OF ADDITIONAL NEW PANELS FOR THE NEW ADDED LOADS.
4. EXISTING PANEL SHALL REMAIN CONNECTED AND RECONNECTED AS REQUIRED.
5. ADD NEW PANELS FOR THE ADDED LOADS ON ALL THE UNITS, TYPICAL.
6. ALL EXISTING LIGHTING AND RECEPTACLES IN CORRIDORS AND UNITS SHALL REMAIN.
7. PROVIDE COMBINED AUDIO/VISIBLE DOORBELL IN ADA UNITS. SEE ARCH PLAN FOR QTY AND UNIT NUMBERS. PROVIDE DISCONNECT SWITCH AND ALL WIRING AS DIRECTED BY ARCH/OWNER FOR COMPLETE SYSTEM.
8. PROVIDE NEW RECEPTACLE OUTLET FOR THE NEW HVAC UNIT AND RECEPTACLE OUTLETS ON THE NEW ADDED OFFICE, MEETING ROOM, CONFERENCE ROOM AND RESTROOM AS SHOWN ON THE PLAN, TYPICAL.

GENERAL NOTES

1. ALL DRY LOCATION CONDUIT IS METAL, ALL CONDUCTORS ARE COPPER TYPE "THHN/THWN" U.O.N.
2. ALL TERMINATION SHALL BE RATED FOR 75 DEGREES CELSIUS CONNECTIONS FOR COPPER CONDUCTORS.
3. NEW SWITCHBOARD RATING SHALL BE AS PER UTILITY AIC RATING, NEW PANEL AIC SHALL BE ADJUST ACCORDINGLY.
4. ALL METALLIC CONDUIT SHALL BE GROUNDED.
5. ALL ELECTRICAL PANELS, DISTRIBUTION BOARD, EQUIPMENT, SWITCHES AND ETC., THAT ARE INSTALLED ON EXTERIOR LOCATIONS SHALL BE RATED FOR WET LOCATION, WEATHER RESISTANCE AND WEATHERPROOF.
6. PROVIDE WEATHERPROOF SEAL TO ALL EXTERIOR PENETRATION.
7. PROVIDE PERMANENT LABEL ON EACH OF THE SWITCHBOARD, DISTRIBUTION BOARD AND PANELS ON THE RATING OF EACH UNIT AS INDICATED IN THE PLAN.
8. PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION OF PERSONNEL ON RECEPTACLE(S) LOCATED IN (A) BATHROOM, GARAGES, OUTDOORS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHEN COUNTER TOPS, LAUNDRY AREAS, AND WHEN LOCATED WITHIN 6' FROM THE OUTER EDGE OF A SINK, BATHTUB OR SHOWER STALL IN DWELLING UNITS. (B) LOCATED IN BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, LOCKER ROOMS, OR GARAGES IN OTHER THAN DWELLING UNITS. (C) BOAT HOIST IN DWELLING UNIT LOCATION. (D) KITCHEN DISH WASHER. BRANCH CIRCUIT IN DWELLING UNITS, LAUNDRY AREAS, AND KITCHENS. IF THE RECEPTACLE IS LOCATED AT THE BACK OF A LARGE EQUIPMENT THE RECEPTACLE OUTLET MAY NOT BE A GFCI TYPE BUT THE CIRCUIT BREAKER THAT SUPPLY THE RECEPTACLE OUTLET SHALL BE GFCI TYPE, TYPICAL.

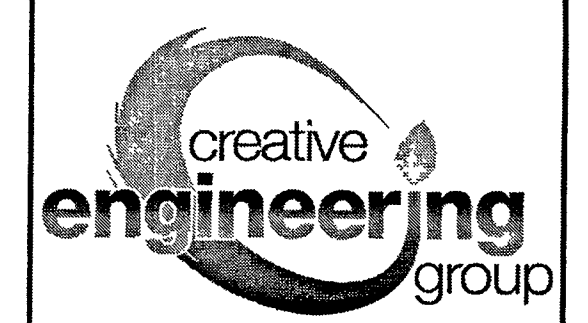
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**DAYS INN KING CITY
HOSPITALITY**

1130 BROADWAY STREET
KING CITY, CA 93930

MEP:



**CREATIVE
ENGINEERING
GROUP**
7123 REMMET AVE.
CANOGA PARK, CA 91303
PHONE: (818) 999-0415
FAX: (818) 999-0215
WEBSITE: www.C-E-G.com

SEAL AND STAMP



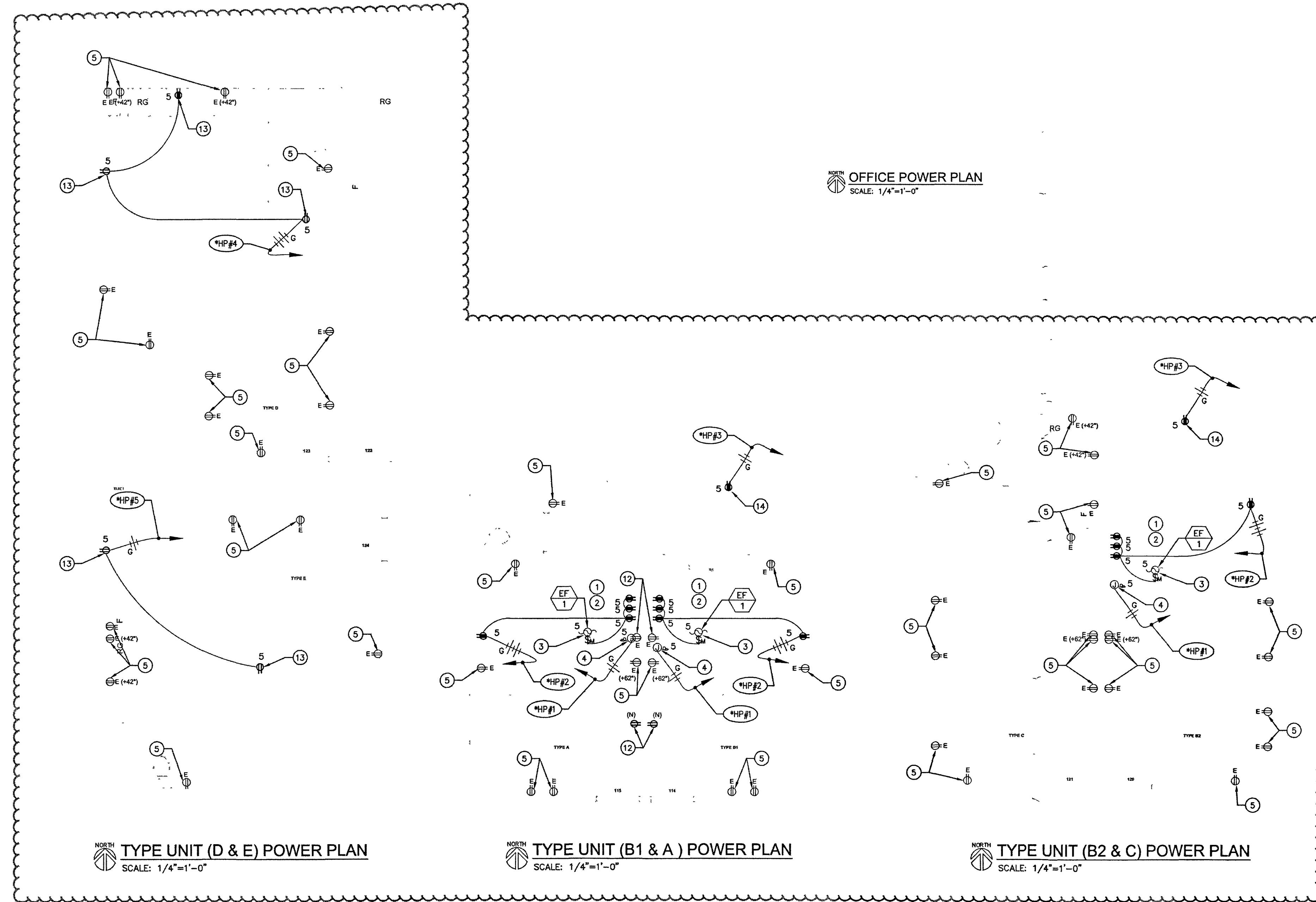
ISSUE DATES

DESCRIPTION	DATE
MEP REVISION	02/22/2023
JOB	
SCALE	AS SHOWN
DRAWN	CEG
DATE	02/22/2023
SHEET TITLE	

**ENLARGE TYP.
UNITS POWER
PLAN A, B, C, D,
E, B.1 (ADA), MU**

SHEET NO

E-4.0



OFFICE POWER PLAN
SCALE: 1/4"=1'-0"

TYPE UNIT (D & E) POWER PLAN
SCALE: 1/4"=1'-0"

TYPE UNIT (B1 & A) POWER PLAN
SCALE: 1/4"=1'-0"

TYPE UNIT (B2 & C) POWER PLAN
SCALE: 1/4"=1'-0"

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTH-4
CALIFORNIA ENERGY COMMISSION
NRCC-LTH-4
CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0012 for indoor lighting scopes using the prescriptive path.
Project Name: DAYS INN HOSPITALITY Report Page: (Page 1 of 8)
Project Address: 1130 BROADWAY Date Prepared: 11/23/2022

A. GENERAL INFORMATION
01 Project Location (city): KING CITY 04 Total Conditioned Floor Area (ft²): 1,702
02 Climate Zone: 4 05 Total Unconditioned Floor Area (ft²): 0
03 Occupancy Types Within Project (select all that apply): 06 # of Stories (Habitable Above Grade): 1
• Convention Center • Office • Support Areas • Warehouse • : See Table I

B. PROJECT SCOPE
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0012 for alterations.
Scope of Work: 01
Conditioned Spaces: 02
Unconditioned Spaces: 03
My Project Consists of (check all that apply):
☐ New Lighting System
☐ New Lighting System - Parking Garage
☒ Altered Lighting System
Calculation Method: Area (ft²)
Area Category Method: 1702
Area Category Method: 0

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
Report Generated: 2022-11-23 11:49:07
Schema Version: rev 20200601

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTH-4
CALIFORNIA ENERGY COMMISSION
NRCC-LTH-4
CERTIFICATE OF COMPLIANCE
Project Name: DAYS INN HOSPITALITY Report Page: (Page 4 of 8)
Project Address: 1130 BROADWAY Date Prepared: 11/23/2022

H. INDOOR LIGHTING CONTROLS (Not including PAFs)									
Area Level Controls									
01	02	03	04	05	06	07	08	09	10
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky Light Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)(1)	Field Inspector	
STORAGE RM	Warehouse	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/>	<input type="checkbox"/>
OFFICE	Office 250 square feet or less	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/>	<input type="checkbox"/>
COUNSELLER OFFICE	Office 250 square feet or less	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	No	No	<input type="checkbox"/>	<input type="checkbox"/>
MEETING ROOM	Convention, Conference, Multipurpose and Meeting Center Areas	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	Included	No	<input type="checkbox"/>	<input type="checkbox"/>
SUPPORT SERVICES OFFICE	Office 250 square feet or less	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/>	<input type="checkbox"/>
RESTROOM	Restrooms	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/>	<input type="checkbox"/>
LAUNDRY 1ST FLR	Laundry Area	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	Exempt*	No	<input type="checkbox"/>	<input type="checkbox"/>
LAUNDRY 2ND FLR	Laundry Area	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/>	<input type="checkbox"/>
COMPUTER ROOM	Office 250 square feet or less	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/>	<input type="checkbox"/>

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Indoor Lighting
NRCC-LTH-4
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NRCC-LTH-4
CERTIFICATE OF COMPLIANCE
Project Name: DAYS INN HOSPITALITY Report Page: (Page 7 of 8)
Project Address: 1130 BROADWAY Date Prepared: 11/23/2022

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E.
Additional Remarks: These documents must be provided to the building inspector during construction and can be found online at https://www.energys.ca.gov/htic24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/
Form/Title: Field Inspector: ☐ Pass ☐ Fail

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E.
Additional Remarks: These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energys.ca.gov/htic24/attcp/providers.html>
Form/Title: Systems/Spaces To Be Field Verified: Field Inspector: ☐ Pass ☐ Fail

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STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE
Project Name: DAYS INN HOSPITALITY Report Page: (Page 2 of 8)
Project Address: 1130 BROADWAY Date Prepared: 11/23/2022

C. COMPLIANCE RESULTS
If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.
Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)(1).
01 Complete Building §140.6(c)(1) 02 Area Category §140.6(c)(2) 03 Area Additional §140.6(c)(2) 04 Tailored-Additional §140.6(c)(3) 05 Total Allowed (Watts) 06 Total Designed (Watts) 07 PAF Lighting Control Credits §140.6(a)(2) 08 Total Adjusted (Watts) 09 Compliance Results
Conditioned: 1,035.8 0 0 0 1,036 ≥ 800 0 = 800 COMPLIES
Unconditioned: 0 0 0 0 0 ≥ 0 0 = 0 COMPLIES
Controls Compliance (See Table H for Details): COMPLIES
Rated Power Reduction Compliance (See Table Q for Details): COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
ON BOARD OCC SENSORS

F. INDOOR LIGHTING FIXTURE SCHEDULE
This table includes all permanent designed lighting and all portable lighting in offices.
Designed Wattage: Conditioned Spaces: 10
01 Name or Item Tag 02 Complete Luminaire Description 03 Modular (Track) Fixture 04 Small Aperture & Color Change 05 Watts per luminaire? 06 How a Wattage determined 07 Total Number of Luminaires 08 Excluded per §140.6(a)(3) 09 Design Watts 10 Field Inspector Pass Fail

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CERTIFICATE OF COMPLIANCE
Project Name: DAYS INN HOSPITALITY Report Page: (Page 5 of 8)
Project Address: 1130 BROADWAY Date Prepared: 11/23/2022

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX- Compliance 1: Primary/Skylight Daylighting- Exempt because less than 120 watts of general lighting. EXCEPTION 1 to §130.1(d)(2).
Plan Sheet Showing Daylit Zones:
STORAGE RM OC/DIM
LAUNDRY 1ST FLR OCC UNDER SW
E3.0

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS									
Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.									
Conditioned Spaces									
01	02	03	04	05	06	07	08	09	10
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	PAF	Area Category	Field Inspector	
COUNSELLER OFFICE	Office greater than 250 square feet	0.65	284	184.6	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
SUPPORT SERVICES OFFICES	Office 250 square feet or less	0.7	218	152.6	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
LAUNDRY 1ST FLR	Laundry Area	0.45	210	94.5	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
RESTROOM	Restrooms	0.65	71	46.2	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
MEETING ROOM	Convention, Conference, Multipurpose and Meeting Center Areas	0.85	179	152.2	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
COMPUTER ROOM	Office 250 square feet or less	0.7	88	61.6	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
ELECTRICAL ROOM	Electrical Mechanical Telephone Room	0.4	76	30.4	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
STORAGE 2ND FLR	Commercial Industrial Storage Area	0.45	210	94.5	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
OFFICE	Office 250 square feet or less	0.7	218	152.6	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
LAUNDRY 2ND FLR	Laundry Area	0.45	148	66.6	No	No	No	<input type="checkbox"/>	<input type="checkbox"/>
TOTALS			1,702	1,035.8	See Tables J, or P for detail				

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CERTIFICATE OF COMPLIANCE
Project Name: DAYS INN HOSPITALITY Report Page: (Page 8 of 8)
Project Address: 1130 BROADWAY Date Prepared: 11/23/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: RICHARD IBRAHIM
Signature Date: 2022-11-23
CEA/REIS Certification Identification (if applicable): E-23407
Phone: 818-999-0415
Address: 7123 REMMET AVE
City/State/Zip: CANOGA PARK, CA, 91303

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
Responsible Designer Name: RICHARD IBRAHIM
Signature Date: 2022-11-23
Company: CREATIVE ENGINEERING GROUP
Address: 7123 REMMET AVE
City/State/Zip: CANOGA PARK CA Zip
Phone: 818-999-0415

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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CERTIFICATE OF COMPLIANCE
Project Name: DAYS INN HOSPITALITY Report Page: (Page 3 of 8)
Project Address: 1130 BROADWAY Date Prepared: 11/23/2022

F. INDOOR LIGHTING FIXTURE SCHEDULE
01 A 1 MODULE, DOWNLIGHT/LED, ELECT DRIVER No No 32 Mfr Spec 19 No 608 ☐ ☐
02 B 1 MODULE, LED LINEAR/LED, ELECT DRIVER No No 40 Mfr. Spec 4 No 160 ☐ ☐
03 C 1 MODULE, LED VANITY/LED, ELECT DRIVER No No 22 Mfr. Spec 1 No 22 ☐ ☐
04 D 1 MODULE, FAN/AT COMBO/LED, ELECT DRIVER No No 10 Mfr. Spec 1 No 10 ☐ ☐
Total Designed Watts: CONDITIONED SPACES 800
05 must be >= 08 \$149.6

*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)(4) is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment; the permit applicant should enter full rated wattage in column 05.
*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS
This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.
Building Level Controls:
01 Mandatory Demand Response §110.12(c) 02 Shut-off controls §130.1(c) 03 Field Inspector Pass Fail
Not Required <= 10,000 SF Whole Building Other ☐ ☐

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Project Name: DAYS INN HOSPITALITY Report Page: (Page 6 of 8)
Project Address: 1130 BROADWAY Date Prepared: 11/23/2022

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

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NOTICE

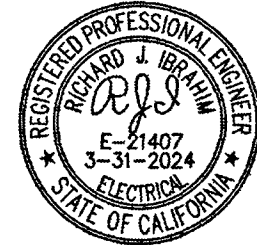
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HOSPITALITY
1130 BROADWAY STREET
KING CITY, CA 93930

MEP.



SEAL AND STAMP.



ISSUE DATES	
DESCRIPTION	DATE
MEP REVISION	02/22/2023
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SHEET TITLE	

TITLE-24

SHEET NO.

E-5.0