

PROJECT DESCRIPTION

I INN RENOVATION

PROJECT LOCATION: MARIPOSA, CA 95338

SHEET INDEX

Table with 2 columns: Sheet Number and Description. Includes E100 (Electrical Cover Sheet), E200 (Electrical Lighting Plan), E300 (Electrical Power Plan), etc.

SCOPE OF WORK

MEP DESIGN OF HOTEL RENOVATION.

APPLICABLE CODE:

- 1. CALIFORNIA FIRE CODE 2016.
2. CALIFORNIA PLUMBING CODE 2016.
3. CALIFORNIA MECHANICAL CODE 2016.
4. CALIFORNIA BUILDING CODE 2016.
5. CALIFORNIA ENERGY CODE 2016.
6. TITLE 19, CCR, PUBLIC SAFETY.
7. STATE FIRE MARSHAL REGULATIONS.

TITLE 24 MANDATORY LIGHTING MEASURES

- 1. ALL FLUORESCENT BALLAST AND LUMINAIRES ARE TO BE CERTIFIED AND APPROVED FOR INSTALLATION IN ACCORDANCE WITH CALIFORNIA ENERGY COMMISSION.
2. BLEVEL SWITCHING TO BE PROVIDED AND INSTALLED FOR ALL OPEN AREAS AND FOR INDIVIDUAL ROOMS GREATER THAN 100 SQUARE FEET.
3. ALL FLUORESCENT FIXTURES TO BE PROVIDED AND INSTALLED WITH "TI" 32 WATT LAMPS, ELECTRONIC TWO-LAMP OR THREE-LAMP BALLASTS.
4. ALL AUTOMATIC CONTROL DEVICES SPECIFIED TO BE CERTIFIED AND APPROVED FOR INSTALLATION IN ACCORDANCE WITH CALIFORNIA ENERGY LAW.
5. EACH ROOM AND AREA IN THIS TENANT SPACE IS EQUIPPED WITH A SEPARATE SWITCH OR CONTROL DEVICE FOR EACH AREA WITH FLOOR TO CEILING WALLS.
6. ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 12 WATTS PER SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING.
7. ROOMS WITH WINDOWS THAT ARE GREATER THAN 250 SQUARE FEET, AND THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGHT IN THE AREA SHALL HAVE 50% OF THE LAMPS IN EACH DAYLIT AREA CONTROLLED BY A SEPARATE SWITCH.
8. ANY BUILDING SPACE GREATER THAN 5,000 SQUARE FEET TO HAVE A CERTIFIED AUTOMATIC SHUTOFF CONTROL IN ADDITION TO THE SHUTOFF CONTROL. EACH SPACE TO HAVE AN OVERRIDE FOR THE AUTOMATIC CONTROL CONSISTING OF A MANUAL TIMER TO ALLOW THE LIGHTING TO REMAIN ON FOR NO MORE THAN TWO HOURS. ALSO, MANUAL OVERRIDE TO CONTROL LIGHTS IN AN AREA NOT EXCEEDING 5,000 SQUARE FEET.

ELECTRICAL NOTES

- 1. THIS DESIGN MAY BE USED FOR SECURING PERMITS, BID, PLANNING, THE COMPANY'S REVIEW OR SOME OTHER GOAL. THIS DESIGN DOES NOT GUARANTEE THESE APPROVALS, NOR ARE THESE APPROVALS A REQUIREMENT FOR SERVICES OR THE COMPLETION OF THIS WORK.
2. THE ELECTRICAL CONTRACTOR SHALL PAY ALL PERMIT FEES, PLAN REVIEW FEES, LICENSE FEE, INSPECTION AND TAXES APPLICABLE TO THE ELECTRICAL WORK. PROVIDE ALL INSTRUMENTS AND MATERIALS NECESSARY FOR THE COMPLETION OF THIS WORK AND REPLACE ANY DAMAGED PORTIONS OF THE WORK RESULTING FROM TESTS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE TESTS.
3. THIS DESIGN IS NOT A COMPLETE SET OF CONSTRUCTION DRAWING OR SHOP DRAWINGS. THIS DESIGN REPRESENTS DIAGNOSTIC REPRESENTATION OF AN INTENTED SCOPE OF WORK.
4. THE SYMBOLS AND ABBREVIATIONS LIST ON THIS SHEET IS A COMPREHENSIVE STANDARD GUIDE INTENDED FOR GENERAL USE ON ALL PROJECTS. THEREFORE, NOT ALL THE SYMBOLS AND ABBREVIATIONS LISTED ARE NECESSARILY USED ON THIS PARTICULAR PROJECT AND SHOULD BE USED FOR CLARIFICATION ONLY.
5. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE, IECC, LIFE SAFETY CODE, LOCAL BUILDING CODE, OSHA REGULATIONS, OCAI, STATE, FEDERAL, AND AUTHORITY HAVING JURISDICTION CODES APPLICABLE AT THE TIME OF THE CONSTRUCTION.
6. GENERAL WORK PRACTICES FOR ELECTRICAL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NECA 1 STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION (ANSI) LETTER LABELLED FOR THE INTENDED PURPOSE BY UNDERWRITERS (UL) OR OTHER ORGANIZATION THAT IS ACCEPTABLE TO THE AIA.
7. ALL MATERIALS PROVIDED BY THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS. LETTER LABELLED FOR THE INTENDED PURPOSE BY UNDERWRITERS (UL) OR OTHER ORGANIZATION THAT IS ACCEPTABLE TO THE AIA.
8. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING DELIVERY, RECEIVING, UNLOADING, STORING, SETTING IN PLACE, AND PROTECTING FROM DAMAGE, VANDALISM, THEFT OR WEATHER DURING CONSTRUCTION FOR ALL NEW EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR OR PROVIDED BY OTHER PARTIES TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE ELECTRICAL CONTRACTOR.
9. THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS ARE INTENDED TO DESCRIBE AND ILLUSTRATE SYSTEMS WHICH WILL NOT INTERFERE WITH THE STRUCTURE OF THE BUILDING AND WHICH WILL FIT INTO THE AVAILABLE SPACE. THE CONTRACTOR IS RESPONSIBLE FOR CAREFULLY LAYING OUT ALL WORK TO CONFORM TO NATIONAL ELECTRICAL CODE REQUIREMENTS, ARCHITECTURAL SCHEDULES, AND SITE CONDITIONS, TO AVOID OBSTRUCTIONS AND TO ALLOW THE PROPER INSTALLATION OF EACH ITEM.
10. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT ONLY. COORDINATE WITH DRAWINGS OF OTHER TRADES TO FIT THE ACTUAL SPACE CONDITIONS, HEADROOM AND SPACE CONDITION TO BE MAINTAINED.
11. THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATION AND DETAILS OF THE WORK TO BE INSTALLED.
12. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF RECEPTACLES, AND LIGHTING FIXTURES, ETC.
13. UPON THE COMPLETION OF THE WORK, THE ENTIRE ELECTRICAL SYSTEM SHALL BE TESTED AND SHALL BE SHOWN TO BE IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE INTENT OF THE SPECIFICATIONS AND DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL SYSTEMS READY FOR OPERATION AND INSPECTION BY AIA.
14. PREPARE AND FURNISH TO OWNER "AS-BUILT" PLANS FOR ALL WORK INSTALLED.
15. ELECTRICAL CONTRACTOR SHALL FURNISH RECORD SET OF DRAWINGS WITH ANY DEVIATIONS MARKED IN RED INK.
16. TEST AND INSPECT ALL WIRING AND EQUIPMENT INSTALLED UNDER THIS SECTION OF SPECIFICATIONS. ALL WIRING MUST BE FREE OF SHORTS AND BROKEN WIRE. LEAVE ALL MATERIALS AND APPARATUS READY FOR OPERATION AND INSPECTION BY AIA.
17. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE CORRECT PHASE SEQUENCE OF ALL THREE-PHASE FEEDERS AND BRANCH CIRCUITS. VERIFY PROPER ROTATION OF ALL MOTORS.
18. ELECTRICAL CONTRACTOR SHALL VERIFY PHASE LOAD BALANCING ON POWER PANELS UPON COMPLETION OF THE ELECTRICAL INSTALLATION.
19. PROVIDE IDENTIFICATION ON ALL PANELBOARDS, SWITCHES, STARTERS, DIMMERS, SWITCHES IN DISTRIBUTION PANELBOARDS AND SWITCHBOARDS.
20. CONDUIT RUNS WHEN SHOWN ARE DIAGRAMMATIC. FINAL LOCATION AND ROUTING SHALL BE ESTABLISHED BY THE CONTRACTOR BASED ON THE INSTANT CONDITIONS AND SHALL BE VERIFIED IN THE FIELD. ALL CONDUIT TYPES AND INSTALLATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
21. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILING. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A DRAG WIRE.
22. ALL SUSPENDED CONDUITS SHALL BE RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE BY MEANS OF APPROVED CONDUIT FASTENERS, HANGERS, STRAPS, SUPPORTS, CLAMPS, ETC. FIRMLY ANCHORED IN PLACE AND SPACED AT INTERVALS NOT TO EXCEED 10'-0".
23. PULL BOXES, JUNCTION BOXES, CONDUIT BODIES, AND EXPANSION JOINTS SHALL BE INSTALLED AS PER NETA-1.
24. PROVIDE CONDUIT EXPANSION FITTINGS WITH BONDING JUMPERS FOR ALL CONDUITS PASSING THROUGH EXPANSION JOINTS.
25. PROVIDE SLEEVES FOR PENETRATIONS THROUGH BLOCK OR CONCRETE WALLS AND FLOORS.
26. THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH SHALL BE 8'-0".
27. FLEXIBLE CONDUIT INSTALLED OUT OF DOORS, IN ANY MECHANICAL EQUIPMENT ROOMS, OR IN NORMALLY WET AREAS SHALL BE LIQUID TIGHT FLEX WITH SUITABLE FITTINGS.
28. PROVIDE CONDUIT WIRING, CIRCUITING AND REQUIRED CONNECTIONS TO ALL DEVICES, FIXTURES AND EQUIPMENT. CONNECT TO CIRCUITS AS SHOWN ON DRAWINGS. PROVIDE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN THE FIELD AND REFLECTED IN THE PANEL SCHEDULE DIRECTORY AND ON THE AS-BUILT DRAWINGS.
29. CONTRACTOR SHALL VERIFY AND COORDINATE ALL MOUNTING HEIGHTS OF ALL DEVICES MOUNTED IN CASEWORK OR IN ABOVE CEILING WITH EXISTING EQUIPMENT.
30. UNLESS SPECIFICALLY DIRECTED OTHERWISE, FURNISH AND INSTALL EACH AND EVERY ITEM CONTAINED IN AND ASSOCIATED WITH THE WORK SHOWN ON THE DRAWINGS AND/OR DESCRIBED IN THE ACCOMPANYING SPECIFICATIONS, TOGETHER WITH ALL APPURTENANCES, COMPONENTS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK. CONTRACTOR SHALL PROVIDE CONDUIT, WIRING AND CABLING TO ALL DEVICES, FIXTURES AND ETC. FOR A COMPLETE WORKING SYSTEM BASED ON THE CIRCUITS NOTED.
31. PROVIDE INDEPENDENT SUPPORT FOR DISCONNECT SWITCHES, CONTROL, STATIONS, BOXES, PANELS, ETC. WHERE NO WALLS OR OTHER STRUCTURE IS AVAILABLE TO SUPPORT THEM.
32. EQUIPMENT SIZES AND LOCATIONS ARE APPROXIMATE. ACTUAL DIMENSIONS TO BE DETERMINED BY EQUIPMENT FURNISHED.
33. PROVIDE BRANCH CIRCUIT WIRING TO ALL ITEMS REQUIRING ELECTRICAL CONNECTIONS, WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN. CONNECT ITEMS TO CIRCUITS INDICATED BY THE CONTRACTOR SHALL OBTAIN EXACT ROUTING, CONDUIT AND WIRING. UNLESS INDICATED OTHERWISE, ALL BRANCH CIRCUITS SHALL BE MINIMUM #12 THIN AWG COPPER.
34. PROVIDE JUNCTION BOX FOR ANY DEVICE WITH PIG TAIL, SUCH AS SOLENOID VALVES, LIGHT SWITCHES, SMOKE DETECTORS AND ETC. FOR PROPER ELECTRICAL CONNECTIONS. PROVIDE ALL HARDWARE FOR MOUNTING OF JUNCTION BOX.
35. ALL FIRE ALARM SYSTEMS RACEWAY, SWITCHES, AND JUNCTION BOXES SHALL BE PAINTED RED.
36. TIGHTEN SCREWS AND BOLTS FOR CONNECTORS AND TERMINALS IN ACCORDANCE TO MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES.
37. EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS. COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS.
38. WHEREVER THE INSTALLATION OF ELECTRICAL EQUIPMENT AS SHOWN ON THE DRAWINGS IS IMPRACTICAL DUE TO LOCAL INTERFERENCE OR UNFORESEEN FIELD CONDITIONS, THE CONTRACTOR SHALL INSTALL THE EQUIPMENT AT NEW LOCATIONS AS DIRECTED BY THE ENGINEER.
39. DESIGN IS BASED ON ALL CONDUCTORS TO BE 75% COPPER AND NO MORE THAN 4 CURRENT CARRYING CONDUCTORS IN THE SAME RACEWAY OR CONDUIT, UNLESS OTHERWISE NOTED.
40. WHEN EQUIPMENT IS BEING REMOVED FROM THE FIELD, ALL WIRING ASSOCIATED WITH THE LOAD MUST BE REMOVED FROM THE JUNCTION BOX OR THE CIRCUIT BREAKER. DO NOT LEAVE UNUSED CONDUCTORS IN THE FIELD WITH ENDS TAPED WITH TAPE OR WIRE NUTS.
41. SPARE WIRES INSTALLED SHALL BE NEATLY COILED, BOUND AND PLACED IN SPACE AVAILABLE, LEAVE AT A MINIMUM 1" OF SLACK AT EACH DESTINATION.
42. WHERE EXISTING CIRCUIT TO REMAIN ARE INTERRUPTED DUE TO NEW CONSTRUCTION, CONDUIT AND WIRE SHALL BE EXTENDED RE-ENERGIZED.
43. PROVIDE DISCONNECT SWITCHES FOR ELECTRICAL HEATER, HVAC EQUIPMENT AND EXHAUST FANS WITHIN EYE SIGHT OF THE EQUIPMENT.
44. PROVIDE SERVICE RECEPTACLE WITHIN 25 FEET OF EACH HVAC EQUIPMENT.
45. ELECTRICAL CONTRACTOR TO VERIFY ACTUAL INSTALLED EQUIPMENT ELECTRICAL NAME PLATE DATA BEFORE ENERGIZING THE CIRCUIT. CONFIRM ELECTRICAL DESIGN VALUES AND ACTUAL EQUIPMENT BEING INSTALLED ARE IN COMPLIANCE WITH ELECTRICAL CODE AND MANUFACTURER INSTALLATION REQUIREMENTS.
46. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY, QUICK-BREAK, QUICK-BREAK TYPE, NEMA 1 ENCLOSURE FOR INDOR LOCATIONS, NEMA 3R FOR OUTDOOR LOCATIONS. SWITCHES SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, OR SIEMENS (I.T.E.) PROVIDE FUSES AS MANUFACTURED BY BUSSMANN, COULDS-SHAWMUT, OR LITFLEUSE. ALL CONDUCTOR TERMINALS TO BE U.L. LISTED FOR A MAXIMUM OF 75°C. SWITCHES USED AS SERVICE ENTRANCE EQUIPMENT TO BE U.L. LISTED AS "SER" RATED EQUIPMENT.
47. PANEL BOARDS SHALL BE MANUFACTURED BY SQUARE-D, EATON, GENERAL ELECTRIC, OR SIMILAR, MEETING U.L. STANDARDS 80 AND 87, WITH U.L. LABEL. PANELS TO BE USED AS SERVICE ENTRANCE EQUIPMENT TO BE U.L. LISTED AS "SER" RATED EQUIPMENT.
48. ALL SWITCHBOARDS AND PANELBOARDS SHALL BE MARKED WITH IDENTIFYING NAMEPLATES TO INDICATE THE DESIGNATIONS USED ON THESE DRAWINGS. PROVIDE NEW PANELBOARD SCHEDULES, CORRECTLY FILLED OUT FOR EVERY PANELBOARD.
49. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS TO ACCOMMODATE CONDUCTORS SHOWN.
50. BREAKERS, THERMAL MAGNETIC TYPE, QUICK-BREAK, QUICK-BREAK, PLUS-IN TYPE FOR LOAD CENTERS AND BOX IN TYPE FOR PANEL BOARD AND SINGLE UNIT CONSTRUCTION. TWO-POLE BREAKERS SHALL BE SINGLE UNIT COMMON TRIP TYPE. BREAKERS USED AS SWITCHES FOR 120V LIGHTING CIRCUITS SHALL BE APPROVED FOR THAT USE AND MARKED "SM". ALL BREAKERS FOR HVAC AND REFRIGERATION EQUIPMENT SHALL BE "HACR" RATED BREAKERS.
51. GROUNDING SYSTEM: PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUIT, SUPPORTS, CABINETS, PANEL BOARDS AND SYSTEM NEUTRAL CONDUCTORS. MAINTAIN CONTINUITY OF EQUIPMENT GROUND THROUGHOUT THE SYSTEM. GROUND CLAMPS SHALL BE APPROVED TYPE, SPECIFICALLY DESIGNED FOR GROUNDING, WHERE GROUNDING CONDUIT IS ENCLOSED IN CONDUIT, GROUND CLAMP SHALL BE OF A TYPE WHICH GUARANTEES BOTH CONDUIT AND CONDUIT. ALL CIRCUITS IN FLEXIBLE METAL OR PLASTIC CONDUIT SHALL INCLUDE A GROUND WIRE SIZED AND INSTALLED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.
52. PROVIDE AND INSULATED GREEN GROUNDING WIRE IN THE SAME CONDUIT AS THE BRANCH CIRCUIT OR FEEDER WIRING AND FOR ALL (0) PHASES AND/OR SINGLE PHASE, BRANCH CIRCUITS AND FOR ALL FEEDERS, SHOWN OR NOT SHOWN.
53. ALL WORK SHALL BE PERMANENTLY AND EFFECTUALLY GROUNDED WHETHER OR NOT SUCH CONNECTIONS ARE SPECIFICALLY SHOWN OR SPECIFIED. GROUND RESISTANCE AT ANY POINT SHALL NOT EXCEED 25 OHMS.
54. ALL CONDUITS SHALL BE EMT UNLESS OTHERWISE NOTED.
55. CONDUIT SHALL BE SIZED TO COMPLY WITH NEC FOR NUMBER AND SIZE OF CONDUCTORS INSTALLED PER NEC. PROVIDE SCHEDULE 40 PVC PLASTIC OR RIGID METAL CONDUIT BELOW GRADE. MINIMUM 3/4" PROVIDE ELECTRICAL METAL TUBING (EMT) MEETING FS W/CS-63. FLEXIBLE METAL CONDUIT (IN LENGTHS OF 6 FEET OR LESS) OR INTERIOR LOCATIONS. EMT CONNECTORS AND COUPLING SHALL BE SET-SCREW TYPE. "MC" "AC" TYPE CABLES MUST BE INSTALLED IN ACCORDANCE WITH N.E.C. AND CAN NOT BE SUPPORTED FROM CEILING SUPPORT WIRES.
56. ELECTRICAL CONTRACTOR SHALL INSTALL SIZE OF CONDUIT SHOWN ON PLANS.
57. ALL CONDUIT AND RACEWAY SYSTEMS TO BE INSTALLED WITH SEPARATE GROUND CONDUCTOR. CONDUIT SYSTEM IS NOT TO BE INSTALLED TO THE SOLE GROUNDING MEANS.
58. CONDUCTORS: INSULATED SOFT ANNEALED 98% PURE COPPER WITH COLOR CODES, B, C, D, S GAGE, #10 AND SMALLER TO BE SOLID, #8 AND LARGER TO BE STRANDED. MINIMUM WIRELESS OTHERWISE INDICATED. CONDUCTORS MUST BE INSTALLED IN ACCORDANCE WITH NEC. CANNOT BE SUPPORTED FROM CEILING SUPPORT WIRES. THIN MAY BE SUPPORTED FROM UNDERGROUND, AT SERVICE ENTRANCE, OR IN WET LOCATIONS. INSTALLATION TO BE RATED FOR 600 V AND TYPES AS FOLLOWS:
#10 AND #12: THIN WIRE OR SERVICE ENTRANCE OVER #40 ORDINARY SERVICE OVER #40 WET OR HOT SERVICE WIRE THRU FLUORESCENT FIXTURES OR WITHIN OF HTO EQUIP.
#14 AND #16: THIN WIRE OR SERVICE ENTRANCE OVER #40 ORDINARY SERVICE OVER #40 WET OR HOT SERVICE WIRE THRU FLUORESCENT FIXTURES OR WITHIN OF HTO EQUIP.
59. ALL CONDUIT AND RACEWAY SYSTEMS TO BE INSTALLED WITH SEPARATE GROUND CONDUCTOR. CONDUIT SYSTEM IS NOT TO BE INSTALLED TO THE SOLE GROUNDING MEANS.
60. ALL WIRING TO BE COLOR-CODED AS FOLLOWS:
120/208 VOLT SYSTEM NEUTRAL: WHITE PHASE A: BROWN PHASE B: YELLOW PHASE C: RED PHASE C OR 1: GREEN GROUND: GREEN
61. WIRE CONNECTIONS SHALL BE EQUAL TO "SOOTH CONDUIT" FOR #8 AWG WIRE AND SMALLER AND EQUAL TO "LOCK-NUT" FOR #6 AWG AND LARGER.
62. LIGHT FIXTURES & BUMPS ARE FURNISHED BY CONTRACTOR EXCEPT AS NOTED ON THE LIGHT FIXTURE SCHEDULE. FIXTURE INSTALLATION SHALL BE BY THE ELECTRICAL CONTRACTOR ACCORDING TO LOCAL CODE AUTHORITY.
63. ELECTRIC LIGHTING SHALL HAVE A MINIMUM OF 90 MIN. BATTERY BACKUP, OR AS REQUIRED BY LOCAL CODE AUTHORITY. PROVIDE LOCK-ON CIRCUIT BREAKERS FOR CIRCUITS SERVING EXIT LIGHT FIXTURES AND EMERGENCY BATTERY PACK RECHARGE.
64. ALL EMERGENCY LIGHTS SHALL BE CONNECTED AHEAD OF ANY LOCAL SWITCH.
65. ALL EXIT SIGNS SHOWN ARE PER ARCHITECTURAL LAYOUT AND SHALL BE APPROVED BY FIRE DEPARTMENT AND BUILDING OFFICIAL.
66. LAYOUT BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS FOR MAXIMUM ECONOMY AND EFFICIENCY. INCREASE WIRE SIZE IF 100 FEET OF LENGTH IS EXCEEDED.
67. CONCEAL WIRING SYSTEM ABOVE SUSPENDED CEILING OR IN WALL OR FLOOR CONSTRUCTION WHERE POSSIBLE. INSTALL CONDUITS PARALLEL TO BUILDING LINES, AND TO CLEAR ALL OPENING, DEPRESSIONS, PIPES, DUCTS, STRUCTURE, ETC.
68. INSTALL CONDUIT CONTINUOUS BETWEEN BOXES AND CABINETS WITH NO MORE THAN FOUR (4) 90 DEGREE BENDS. SECURELY FASTEN IN PLACE WITH STRAPS, HANGERS AND SIED SUPPORTS AS REQUIRED. DO NOT SUPPORT CONDUIT FROM SUSPENDED CEILING GRID OR SUSPENSION WIRES. REAM CONDUIT ENDS BEFORE INSTALLATION AND THOROUGHLY CLEAN BEFORE INSTALLATION. OPENINGS SHALL BE PLUGGED OR COVERED TO KEEP CONDUIT TERMINALS ON SWITCHES AND OUTLET SHALL NOT BE USED TO "FEED THRU" TO THE NEXT SWITCH OR OUTLET.
69. PROVIDE SINGLE GANG PLASTER RING AND A 1" DIAMETER NYLON PULL ROPE TO ACCESSIBLE CEILING SPACE FROM ALL NEW DIAMETER AND/OR DATA OUTLETS.
70. FOR ALL WIRING DEVICES, VERIFY FINISH COLOR WITH ARCHITECT.

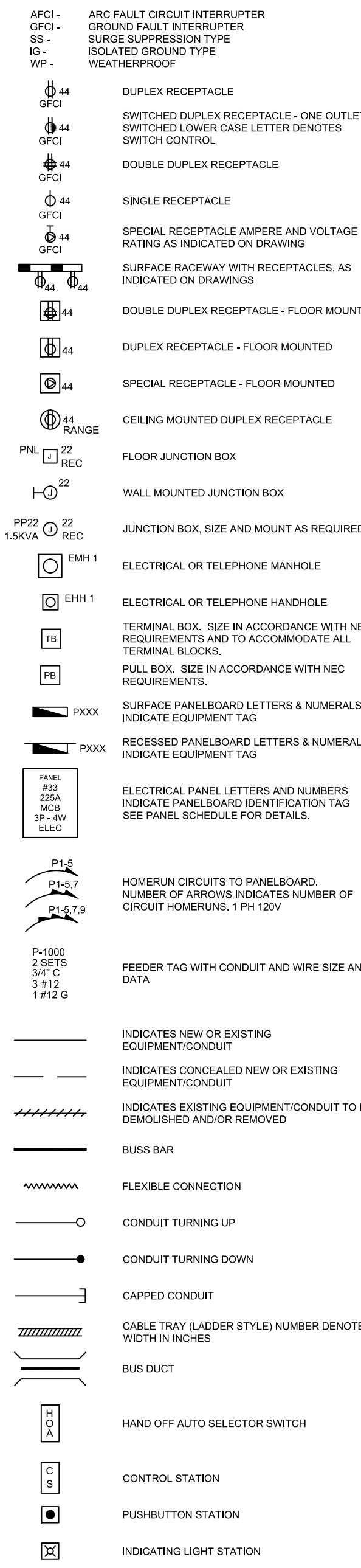
ABBREVIATIONS

Table with 2 columns: Abbreviation and Description. Includes A (AMPERE), AFF (ABOVE FINISHED FLOOR), AFG (ABOVE FINISHED GRADE), AFCI (ARC FLASH INTERRUPTER), etc.

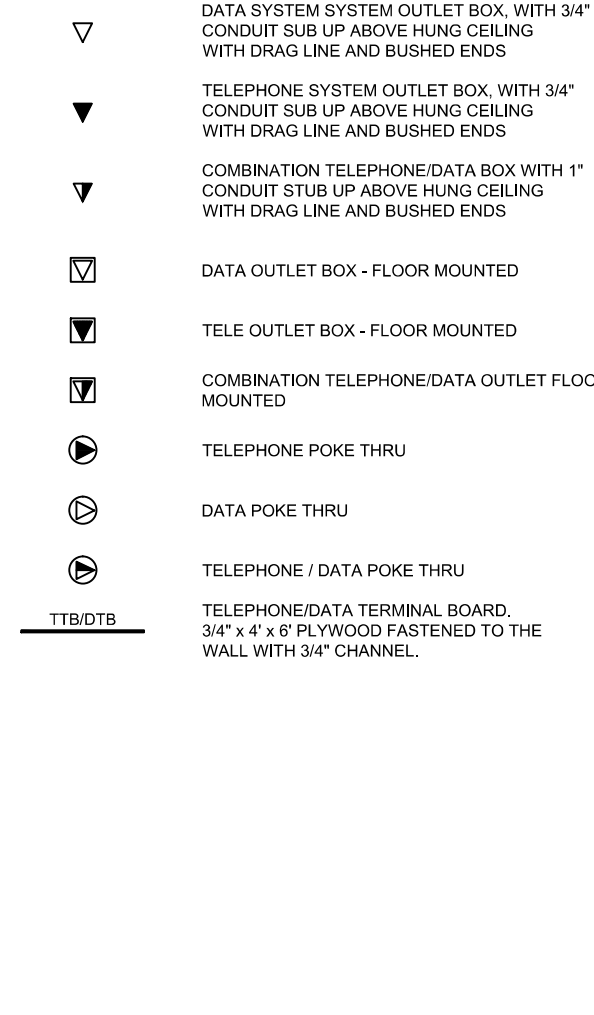
SYMBOL LEGEND

ELECTRICAL EQUIPMENT

TYPICAL FOR ALL RECEPTACLES, OUTLETS, JUNCTION BOXES AND EQUIPMENT: NUMBER DENOTES PANEL CIRCUIT NUMBER.

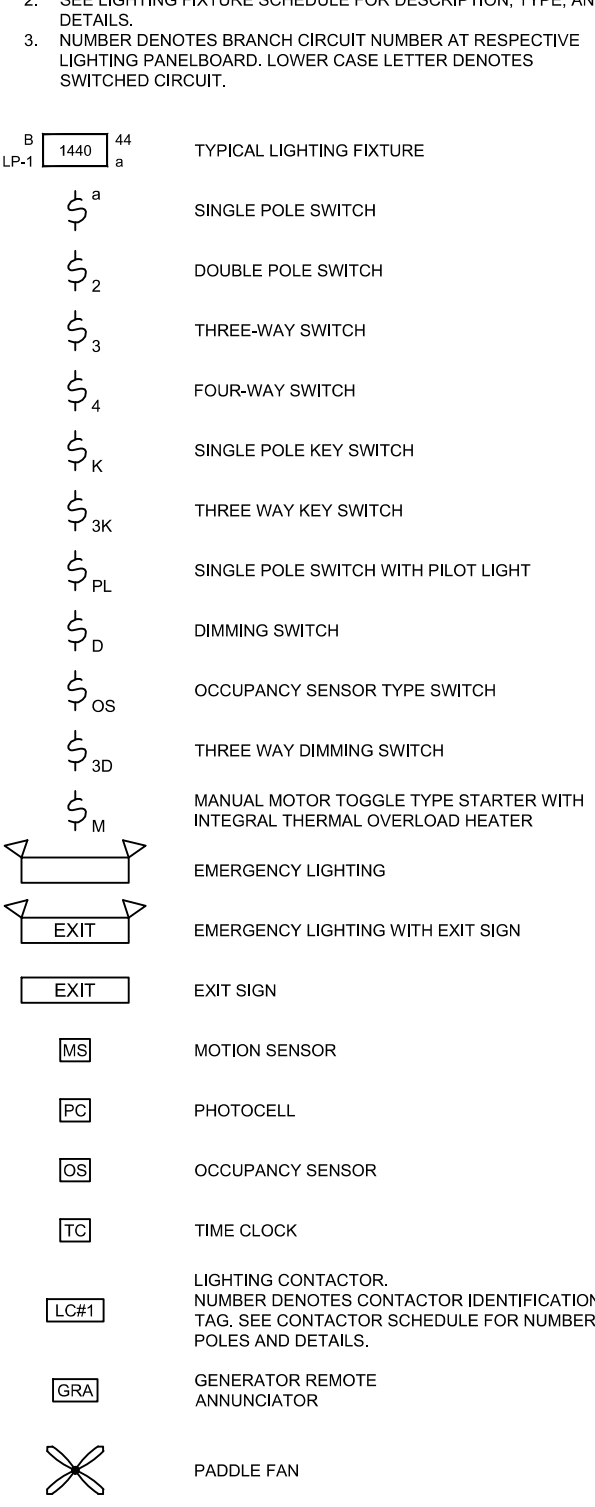


DATA & TELEPHONE

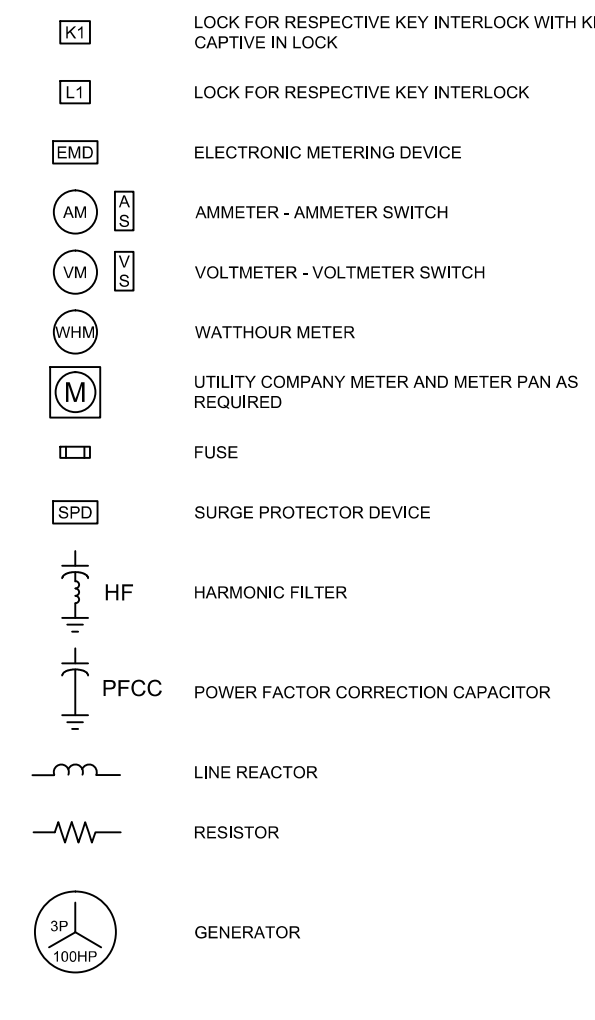


LIGHTING

TYPICAL FOR ALL LIGHTING FIXTURES: 1. CAPITAL LETTER DENOTES FIXTURE TYPE. 2. SEE LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION, TYPE, AND DETAILS. 3. NUMBER DENOTES BRANCH CIRCUIT NUMBER AT RESPECTIVE LIGHTING PANELBOARD. LOWER CASE LETTER DENOTES SWITCHED CIRCUIT.

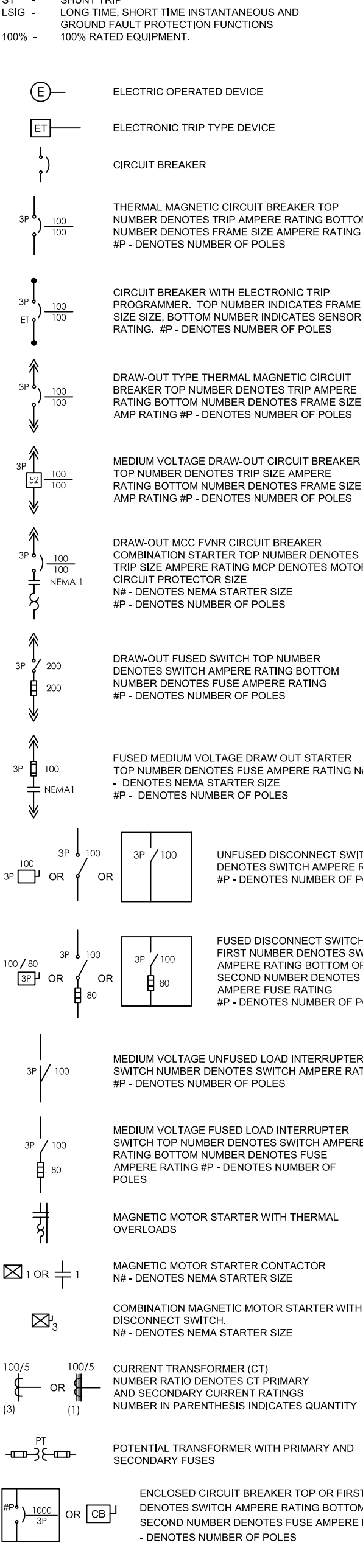


GENERATION & GROUNDING

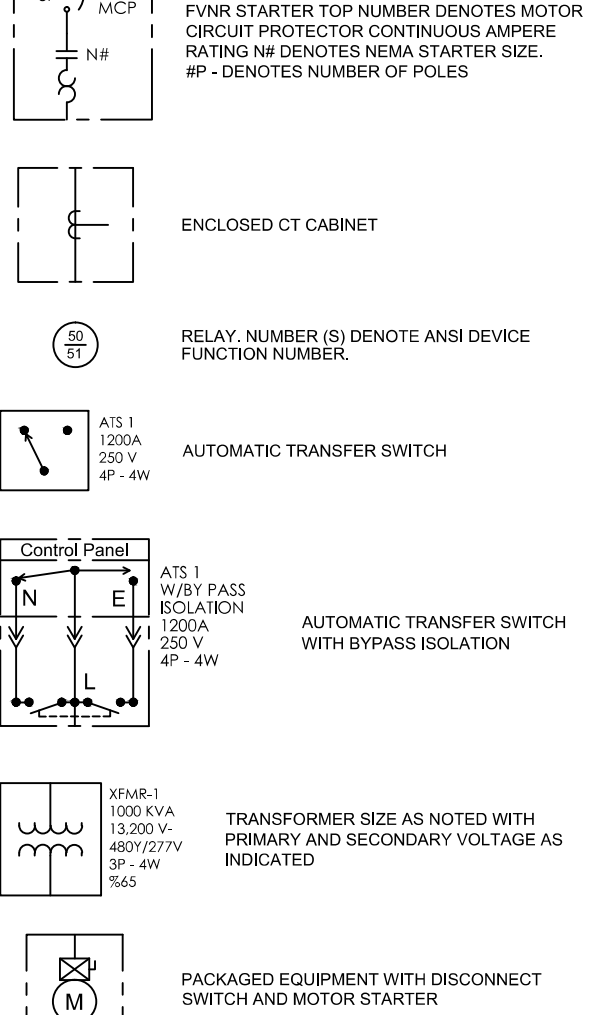


DISTRIBUTION EQUIPMENT

FOR ALL DISTRIBUTION EQUIPMENT: GFF - GROUND FAULT PROTECTION SHUNT TRIP. LSI2 - LONG TIME, SHORT TIME INSTANTANEOUS AND GROUND FAULT PROTECTION FUNCTIONS. 100% - 100% RATED EQUIPMENT.



GROUNDING



PROFESSIONAL ENGINEERING



SEAL & SIGNATURE:

NO ALTERATION PERMITTED EXCEPT AS PROVIDED UNDER DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

Table with 2 columns: REV, DATE, DESCRIPTION. Row 0: XX/XX/2021 ISSUED FOR APPROVAL.

CLIENT:

THE INN

PROJECT:

INN RENOVATION

ADDRESS:

MARIPOSA, CA 95338

ISSUE DATE:

XX/XX/2021

PROJECT NUMBER:

AE# 1251

Table with 2 columns: SCALE, DESIGNED BY, DRAWN BY, CHECKED BY. Row 1: NONE, DEE, DEE, DEE.

DRAWING TITLE:

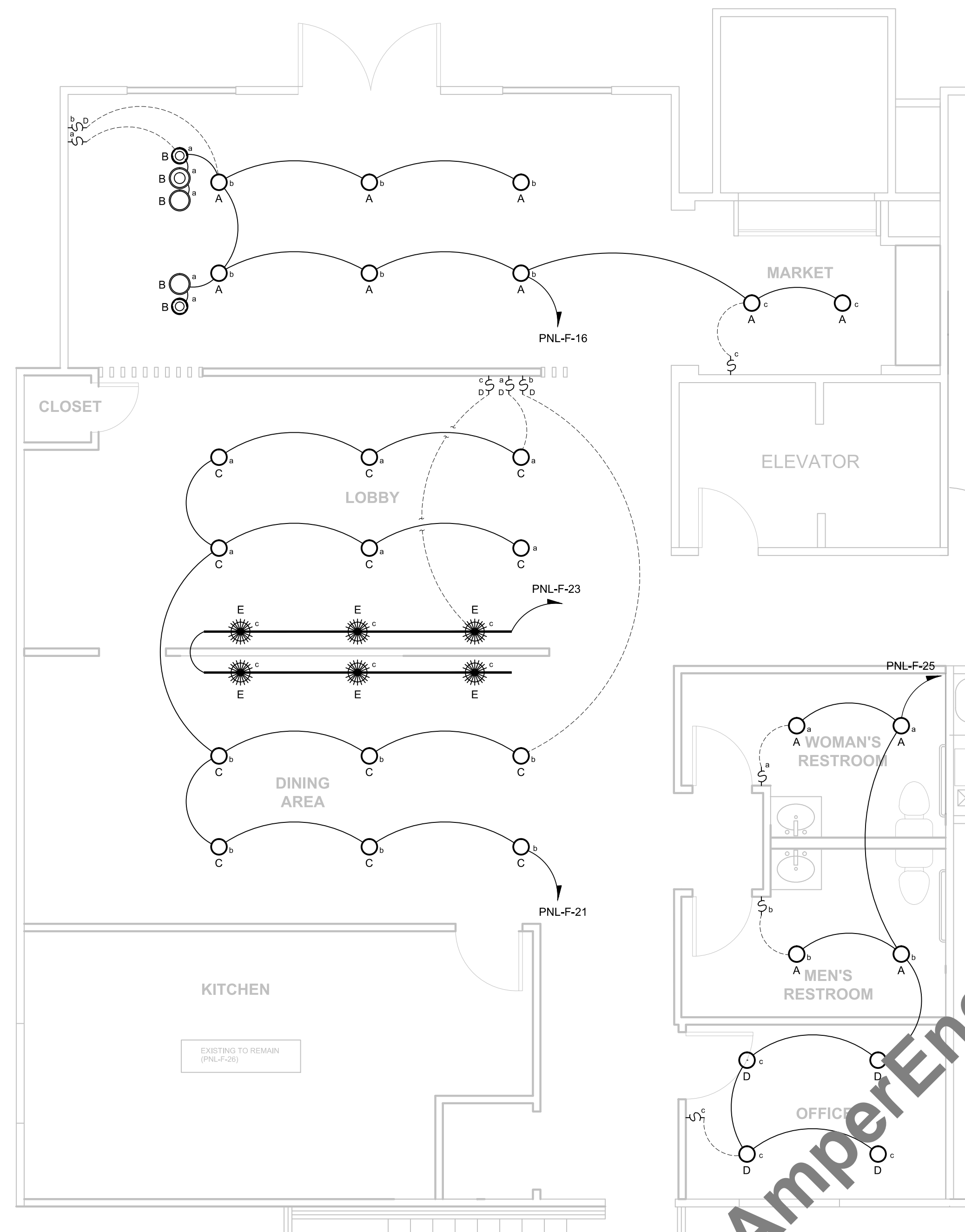
ELECTRICAL COVER SHEET, GENERAL NOTES & SYMBOL LEGEND

DRAWING NO:

E100

REVISION:

0



**ELECTRICAL LIGHTING PLAN**

SCALE: 1/4" = 1'-0"

**GENERAL ELECTRICAL NOTES**

1. PRIOR TO ROUGH-IN FOR LIGHTING SWITCHES, VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLAN.
2. WHERE NEW TO EXISTING CONNECTIONS ARE REQUIRED, PROVIDE EXTENSION RINGS, CONDUIT FITTINGS, SPLICES AND MISCELLANEOUS HARDWARE.
3. THE CONTRACTOR SHALL REUSE EXISTING CONDUIT TO THE GREATEST EXTENT POSSIBLE FOR NEW DEVICES THAT ARE INDICATED TO BE INSTALLED AT THE SAME LOCATION AS DEVICES REMOVED. EXISTING WIRING SHALL NOT BE REUSED, UNLESS OTHERWISE NOTED. IF THE EXISTING CONDUIT CANNOT BE REUSED, THE CONTRACTOR SHALL ROUTE NEW CIRCUITING AT NO ADDITIONAL COST TO THE OWNER.
4. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF EQUIPMENT MOUNTED IN SUSPENDED CEILINGS SUCH AS LIGHTING FIXTURES AND SMOKE DETECTORS. ARCHITECTURAL REFLECTED PLAN SHALL GOVERN FINAL LOCATIONS.
5. SYMBOLS NOT LISTED IN THE LEGEND ARE IDENTIFIED WHERE THEY OCCUR ON THE DRAWINGS.

**GENERAL DEMOLITION NOTES**

1. DRAWINGS ARE BASED ON RECORD DRAWINGS (NOT GUARANTEED TO BE CURRENT AT TIME OF CONSTRUCTION) AND LIMITED FIELD INVESTIGATION WITHOUT DEMOLITION. EXAMINE PLANS AND VISIT THE BUILDING/SITE TO FIELD VERIFY ACTUAL CONDITIONS AND COORDINATE SAME WITH OTHER TRADES PRIOR TO COMMENCING WORK.
2. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING, SURFACE RACEWAY CONDUIT, ETC. FOR DEVICES/LOADS BEING REMOVED. ITEMS REMOVED SHALL NOT BE STORED AT THE SITE. UNDER NO CONDITIONS SHALL ITEMS REMOVED BE USED IN THE NEW CONSTRUCTION.
3. IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO PROTECT AND RETAIN POWER TO ALL EXISTING ACTIVE EQUIPMENT TO REMAIN. THIS INCLUDES REROUTING OF EXISTING CIRCUITING EFFECTED BY DEMOLITION.
4. CONDUITS MAY BE ABANDONED IN CEILING AND WALL ONLY. ELECTRICAL CONTRACTOR SHALL REMOVE ALL WIRING FROM ABANDONED CONDUITS. CONTRACTOR RESPONSIBLE FOR PROVIDING ALL JUNCTION BOX COVERS FOR ALL EXISTING OPEN JUNCTION BOXES.
5. REMOVE ALL CONDUIT, WIRE, BOXES AND FASTENING DEVICES AS REQUIRED TO AVOID ANY INTERFERENCE WITH NEW INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL TRACE ALL CIRCUITS IN EXISTING PANELS TO REMAIN AFFECTED BY DEMOLITION. TAG ALL UNUSED CIRCUIT BREAKERS AS "SPARE" AND PROVIDE NEW TYPED DIRECTORY OF PANELS CONSISTENT WITH NEW CONSTRUCTION.
7. RETURN TO THE OWNER EQUIPMENT THAT IS NOT INDICATED TO REUSE (WITH THE EXCEPTION OF CONDUIT AND WIRING). EQUIPMENT REMOVED AND NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM SITE AND DISPOSED OF. THIS SHALL INCLUDE BUT NOT LIMITED TO LIGHT FIXTURES, BALLAST, LAMPS, DISCONNECT SWITCHES, ETC. CONTRACTOR SHALL INSURE THAT LAMPS AND BALLAST ARE DISPOSED OF AT A FACILITY MEETING EPA REQUIREMENTS FOR SUCH HAZARDOUS ITEMS.
8. DE-ENERGIZED AND DISCONNECT EXISTING ELECTRICAL CIRCUITS BEING REMOVED. LOCK-OUT, TAG-OUT.

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**LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING
A	RECESSED DOWNLIGHT	BAZZ	SLMTB6W	8W, LED	120	RECESSED
B	PENDANT LIGHT	SAFAVIEH	PND4030C	1 LAMP, LED	120	PENDANT
C	RECESSED DOWNLIGHT	JUNO	6RLDG307LM35K90CRIWH	10W, LED	120	RECESSED
D	RECESSED DOWNLIGHT	LITHONIA LIGHTING	65BEMWLED27K90CRIM6	12W, LED	120	RECESSED
E	LINEAR TRACK LIGHT	LITHONIA LIGHTING	LTHNSTBF BR20 DBL M4	1 LAMP, LED	120	SURFACE MTD
	LINEAR METAL TRACK	LITHONIA LIGHTING	LTNS8 DBL M6	---	120	SURFACE MTD

**NOTES:**

1. PROVIDE TRIM AND ACCESSORIES SUITABLE FOR MOUNTING FIXTURES IN EACH LOCATION INDICATED ON PLANS. COORDINATE WITH FINISH SCHEDULE AND REFLECTED CEILING PLANS.
2. COORDINATE LOCATION AND MOUNTING REQUIREMENTS WITH FIELD CONDITIONS.
3. COORDINATE WITH MANUFACTURER FOR REQUIRED DIMMING SWITCH COMPATIBLE WITH FIXTURE PRIOR TO ORDERING FIXTURE AND DIMMER SWITCH.
4. EXISTING LIGHTINGS IN KITCHEN, CORRIDOR & EXIT STAIR TO REMAIN.
5. LISTED FIXTURE MANUFACTURER INFORMATION SHALL SERVE AS THE BASIS OF DESIGN.

SEAL & SIGNATURE:

NO ALTERATION PERMITTED EXCEPT AS PROVIDED UNDER DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

REV	DATE	DESCRIPTION
0	XX/XX/2021	ISSUED FOR APPROVAL

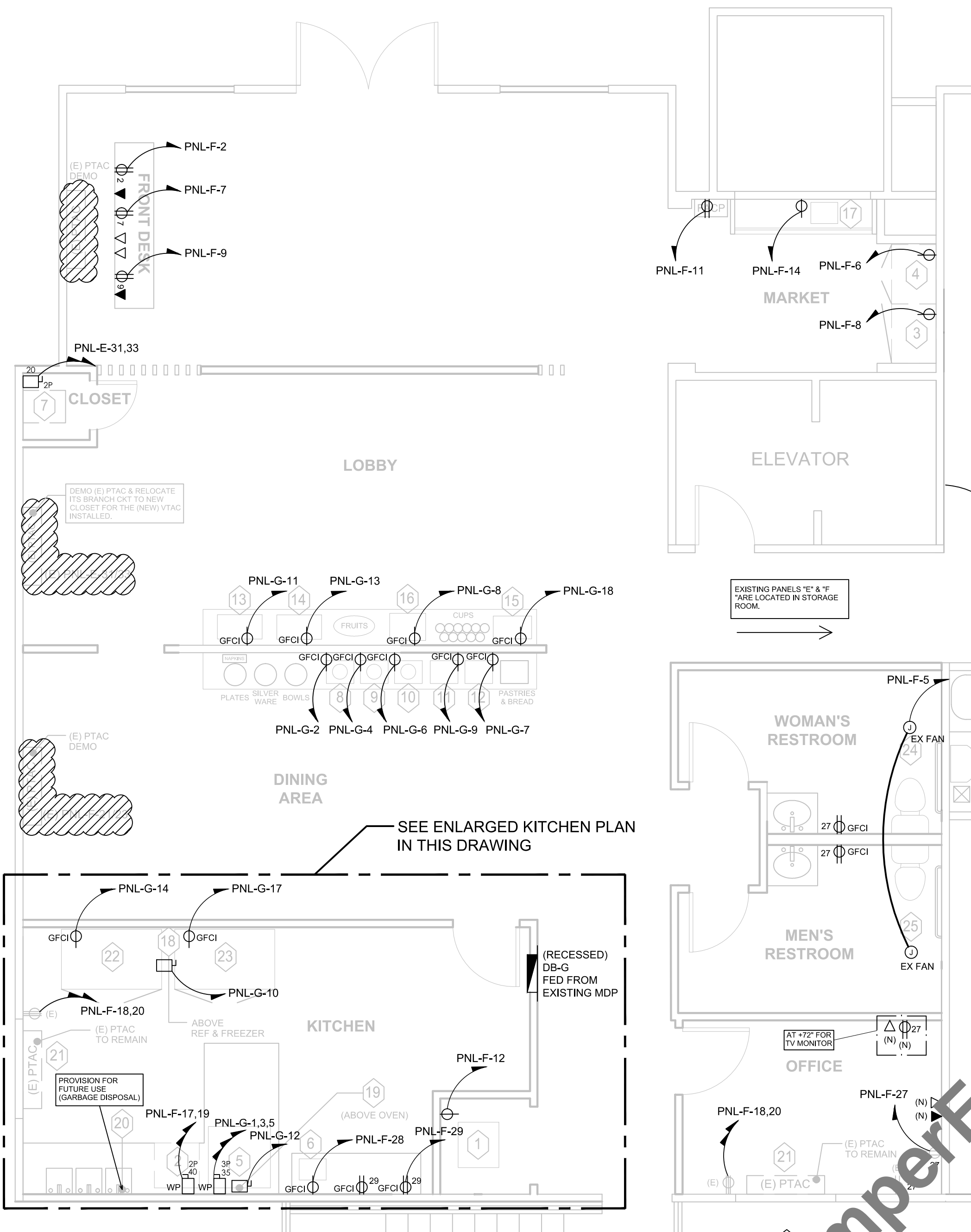
CLIENT:  
**THE INN**

PROJECT:  
**INN RENOVATION**  
 ADDRESS:  
 MARIPOSA, CA 95338

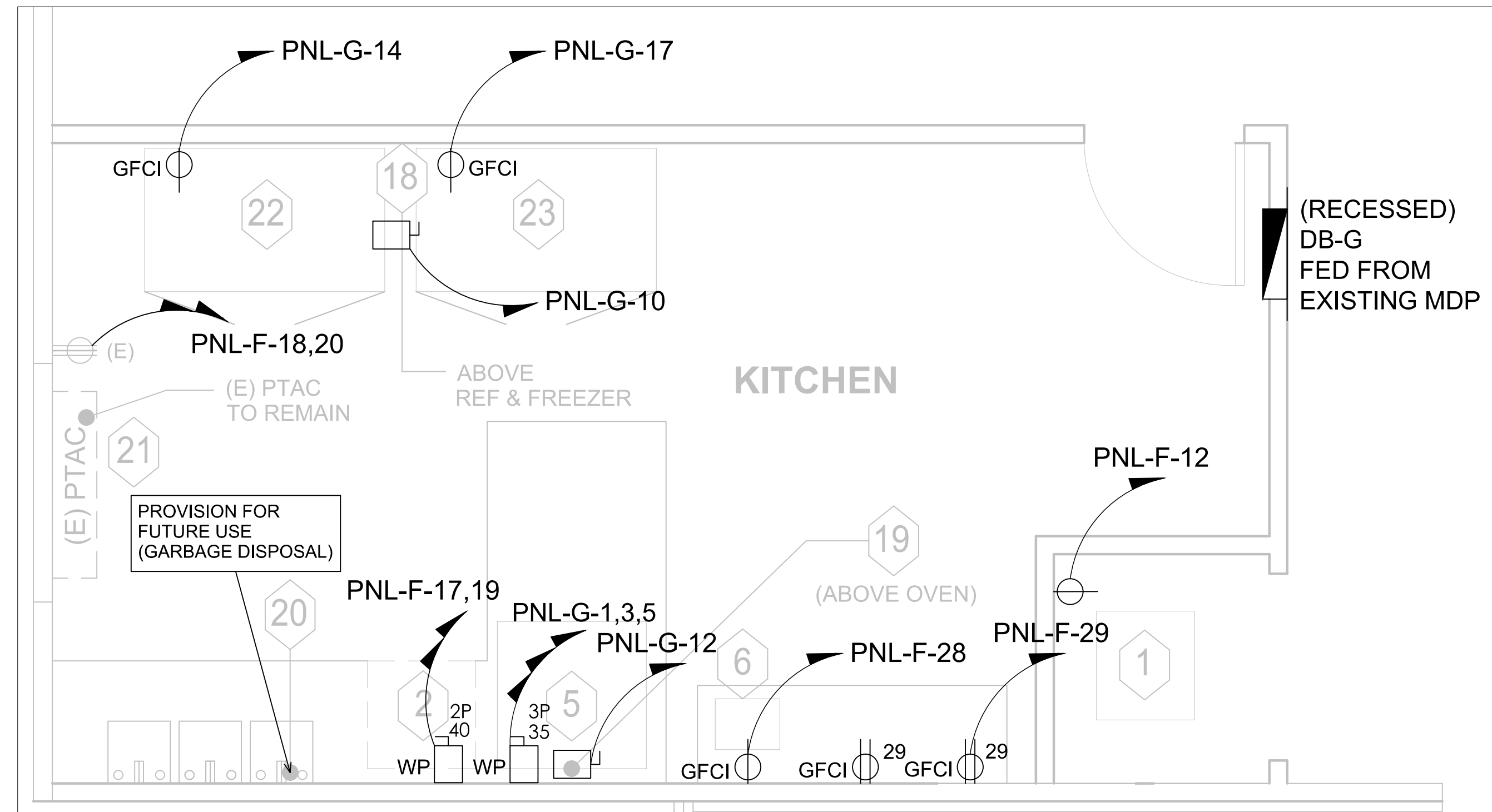
ISSUE DATE:  
 XX/XX/2021  
 PROJECT NUMBER:  
 AE# 1251  
 SCALE: NONE | DRAWN BY: DEE  
 DESIGNED BY: DEE | CHECKED BY: DEE

DRAWING TITLE:  
**ELECTRICAL LIGHTING PLAN**

DRAWING NO: **E200** | REVISION: **0**



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



**ENLARGED KITCHEN PLAN**  
SCALE: 1/2" = 1'-0"

**GENERAL ELECTRICAL NOTES**

1. PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF WIRING DEVICES WITH ARCHITECTURAL ELEVATIONS TO AVOID CONFLICTS WITH CASEWORK, COUNTERTOPS, DOOR SWINGS, ETC. WHERE CONFLICTS OCCUR, CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR RESOLUTION.
2. WHERE NEW TO EXISTING CONNECTIONS ARE REQUIRED, PROVIDE EXTENSION RINGS, CONDUIT FITTINGS, SPLICES AND MISCELLANEOUS HARDWARE.
3. THE CONTRACTOR SHALL REUSE EXISTING CONDUIT TO THE GREATEST EXTENT POSSIBLE FOR NEW DEVICES THAT ARE INDICATED TO BE INSTALLED AT THE SAME LOCATION AS DEVICES REMOVED. EXISTING WIRING SHALL NOT BE REUSED, UNLESS OTHERWISE NOTED. IF THE EXISTING CONDUIT CANNOT BE REUSED, THE CONTRACTOR SHALL ROUTE NEW CIRCUITING AT NO ADDITIONAL COST TO THE OWNER.
4. WHERE CUTTING AND PATCHING IS REQUIRED FOR MOUNTING PANELBOARDS, CONCEALED CONDUIT, ETC, PATCH, PAINT AND SEAL SURFACES TO MATCH EXISTING SURROUNDING SURFACES. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

**GENERAL DEMOLITION NOTES**

1. DRAWINGS ARE BASED ON RECORD DRAWINGS (NOT GUARANTEED TO BE CURRENT AT TIME OF CONSTRUCTION) AND LIMITED FIELD INVESTIGATION WITHOUT DEMOLITION. EXAMINE PLANS AND VISIT THE BUILDING/SITE TO FIELD VERIFY ACTUAL CONDITIONS AND COORDINATE SAME WITH OTHER TRADES PRIOR TO COMMENCING WORK.
2. ELECTRICAL CONTRACTOR SHALL REMOVE ITEMS SHOWN . ITEM SHOWN LIGHT ARE EXISTING ITEMS TO REMAIN.
3. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING, SURFACE RACEWAY CONDUIT, ETC. FOR DEVICES/LOADS BEING REMOVED. ITEMS REMOVED SHALL NOT BE STORED AT THE SITE. UNDER NO CONDITIONS SHALL ITEMS REMOVED BE USED IN THE NEW CONSTRUCTION.
4. IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO PROTECT AND RETAIN POWER TO ALL EXISTING ACTIVE EQUIPMENT TO REMAIN. THIS INCLUDES REROUTING OF EXISTING CIRCUITING EFFECTED BY DEMOLITION.
5. ALL REMOVED COMPUTER EQUIPMENT SHALL BE TURNED OVER TO OWNER UNLESS DIRECTED TO DO OTHERWISE.
6. SEE MECHANICAL DRAWING FOR HEATERS, EXHAUST FANS, ETC. WHICH MUST BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR FOR REMOVAL OR ABANDONMENT BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL REMOVE ALL STARTERS, DISCONNECT SWITCHES AND ASSOCIATED CONDUIT AND WIRING.
7. REMOVE ALL CONDUIT, WIRE, BOXES AND FASTENING DEVICES AS REQUIRED TO AVOID ANY INTERFERENCE WITH NEW INSTALLATION.
8. ELECTRICAL CONTRACTOR SHALL TRACE ALL CIRCUITS IN EXISTING PANELS TO REMAIN AFFECTED BY DEMOLITION. TAG ALL UNUSED CIRCUIT BREAKERS AS "SPARE" AND PROVIDE NEW TYPED DIRECTORY OF PANELS CONSISTENT WITH NEW CONSTRUCTION.
9. DE-ENERGIZE AND DISCONNECT EXISTING ELECTRICAL CIRCUITS BEING REMOVED. LOCK-OUT, TAG-OUT.

**EQUIPMENT LIST**

- |  |  |
|--|--|
| 1. ICE MACHINE MANITOWOC                             | 22. REACH-IN FREEZER                             |
| 2. UNDERCOUNTER DISHWASHER NOBLE 24" UH30-FND        | 23. REACH-IN REFRIGERATOR                        |
| 3. UNDERCOUNTER FREEZER MERCHANDISER 1 DOOR 24"      | 24. EXHAUST FAN ABOVE TOILET (WOMAN'S REST ROOM) |
| 4. UNDERCOUNTER REFRIGERATOR MERCHANDISER 2 DOOR 24" | 25. EXHAUST FAN ABOVE TOILET (MEN'S REST ROOM)   |
| 5. COMBI OVEN PRO 6 - HALF SIZE E/G                  |  |
| 6. MICROWAVE   |  |
| 7. AMANA VTAC AVH183H35AXXX                          |  |
| 8. INDUCTION COOKER 1                                |  |
| 9. INDUCTION COOKER 2                                |  |
| 10. INDUCTION COOKER 3                               |  |
| 11. RICE COOKER/WARMER                               |  |
| 12. TOASTER  |  |
| 13. SMALL DISPLAY REFRIGERATOR FOR YOGURT & MILK 1   |  |
| 14. SMALL DISPLAY REFRIGERATOR FOR YOGURT & MILK 2   |  |
| 15. COFFEE/HOT WATER MACHINE                         |  |
| 16. JUICE MACHINE                                    |  |
| 17. COUNTERTOP GUEST MICROWAVE (MARKET)              |  |
| 18. EXHAUST FAN 1 (ABOVE REFRIGERATOR & FREEZER)     |  |
| 19. EXHAUST FAN 2 (ABOVE OVEN)                       |  |
| 20. GARABAGE DISPOSAL (FOR FUTURE USE)               |  |
| 21. (E) PTAC (2)                                     |  |

THIS SHEET ONLY

SEAL & SIGNATURE:

NO ALTERATION PERMITTED EXCEPT AS PROVIDED UNDER DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

REV	DATE	DESCRIPTION
0	XX/XX/2021	ISSUED FOR APPROVAL

CLIENT:  
**THE INN**

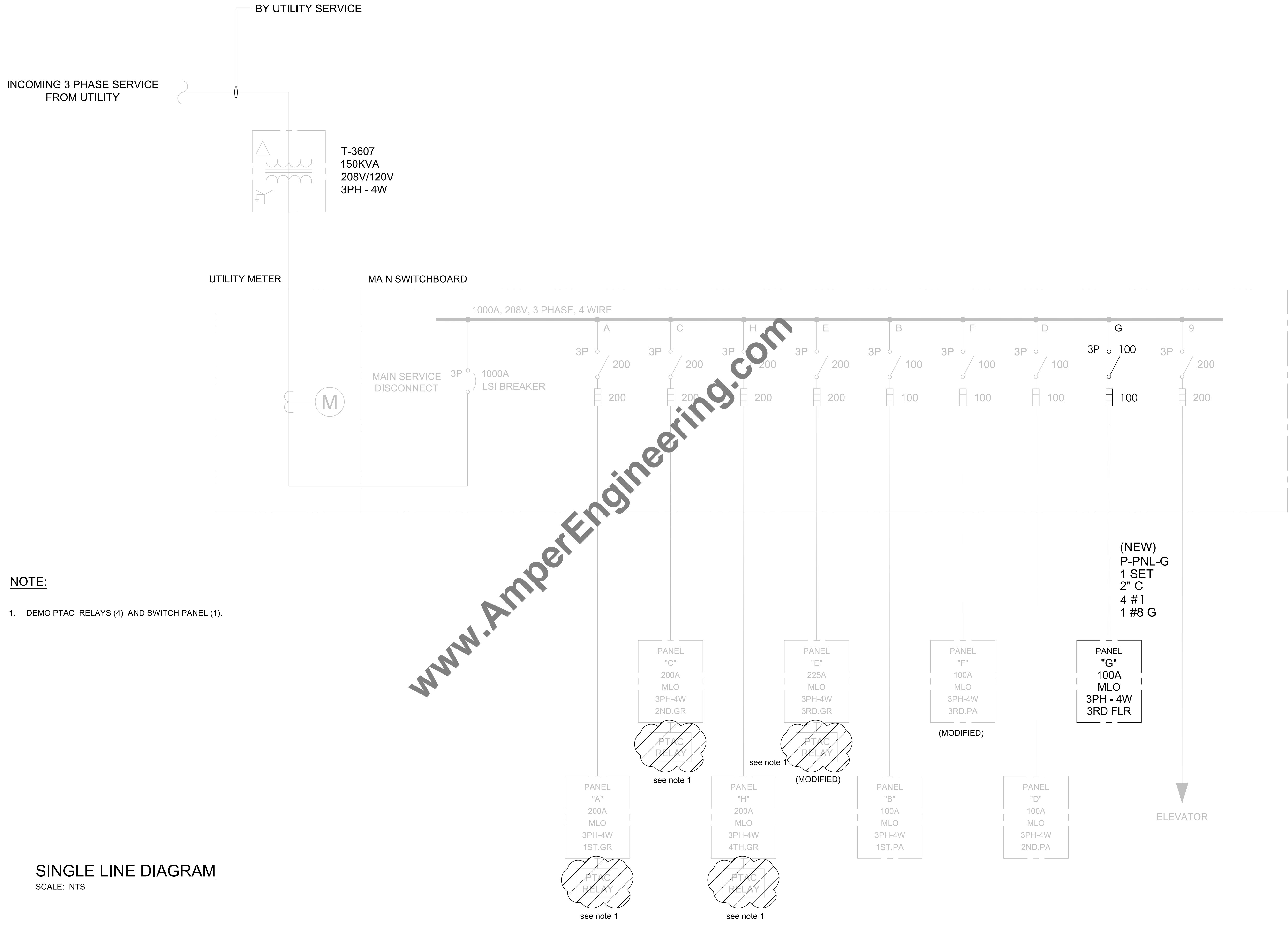
PROJECT:  
**INN RENOVATION**

ADDRESS:  
**MARIPOSA, CA 95338**

ISSUE DATE:  
XX/XX/2021  
PROJECT NUMBER:  
AE# 1251  
SCALE:  
NONE  
DRAWN BY:  
DEE  
DESIGNED BY:  
DEE  
CHECKED BY:  
DEE

DRAWING TITLE:  
**ELECTRICAL POWER PLAN**

DRAWING NO:  
**E300**  
REVISION:  
**0**



**NOTE:**  
 1. DEMO PTAC RELAYS (4) AND SWITCH PANEL (1).

**SINGLE LINE DIAGRAM**  
 SCALE: NTS

SEAL & SIGNATURE:

NO ALTERATION PERMITTED  
 EXCEPT AS PROVIDED UNDER  
 DIRECTION OF A LICENSED  
 PROFESSIONAL ENGINEER.

REV	DATE	DESCRIPTION
0	XX/XX/2021	ISSUED FOR APPROVAL

CLIENT:  
**THE INN**

PROJECT:  
**INN RENOVATION**  
 ADDRESS:  
**MARIPOSA, CA 95338**

ISSUE DATE:  
 XX/XX/2021  
 PROJECT NUMBER:  
 AE# 1251  
 SCALE:  
 NONE  
 DESIGNED BY:  
 DEE  
 DRAWN BY:  
 DEE  
 CHECKED BY:  
 DEE

DRAWING TITLE:  
**SINGLE LINE DIAGRAM**

DRAWING NO:  
**E400**  
 REVISION:  
**0**

SEAL & SIGNATURE:

NO ALTERATION PERMITTED EXCEPT AS PROVIDED UNDER DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

0	XX/XX/2021	ISSUED FOR APPROVAL
REV	DATE	DESCRIPTION

CLIENT:  
**THE INN**

PROJECT:  
**INN RENOVATION**

ADDRESS:  
 MARIPOSA, CA 95338

ISSUE DATE:  
 XX/XX/2021  
 PROJECT NUMBER:  
 AE# 1251  
 SCALE:  
 NONE  
 DESIGNED BY:  
 DEE  
 DRAWN BY:  
 DEE  
 CHECKED BY:  
 DEE

DRAWING TITLE:  
**PANELBOARD SCHEDULES - SHEET 1**

DRAWING NO:  
**E401**  
 REVISION:  
**0**

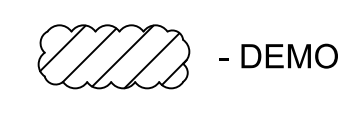
MANUFACTURER: TYPE/MODEL: PRL1 MOUNTING: SURFACE ENCLOSURE: LOCATION: STORAGE ROOM TYPE: BOLT-ON ENTER CABINET: TOP  
 BUS RATING: 100 A MAIN: MLO VOLTAGE: 208 /120V WIRING: 3 PH 4W FEEDER SIZE: EXISTING AIC: -- AIC FED FROM: EXISTING MAIN SWITCHBOARD

PANEL ID: EXISTING PANEL 'F'

CKT NO:	LOAD DESCRIPTION	NO. POLES	CB AMPS	CONDUCTOR TYPE	CONDUCTOR TYPE	AMPS	NO. POLES	LOAD DESCRIPTION	CKT NO:
1	3RD FLOOR CORRIDOR LIGHTS	1	20	EXISTING	EXISTING	20	1	REGISTRATION DESK <sup>1</sup>	2
3	EXIT STAIR LIGHTS	1	20	EXISTING	EXISTING	20	1	OFFICE OUTLETS <sup>3</sup>	4
5	HALL PLUGS & APT. BATH	1	20	EXISTING	EXISTING	20	1	COFFEE AND JUICE	6
7	FRONT DESK COMPUTER <sup>4</sup>	1	20	EXISTING	EXISTING	20	1	COFFEE SERVICE	8
9	REGISTRATION DESK <sup>1</sup>	1	20	EXISTING	EXISTING	20	1	COFFEE SERVICE	10
11	FIRE ALARM PANEL <sup>2</sup>	1	20	EXISTING	EXISTING	20	1	KITCHEN REFRIGERATOR	12
13	FIRE ALARM BELL	1	20	EXISTING	EXISTING	20	1	SPARE	14
15	LV TRANSFORMER	1	20	EXISTING	EXISTING	20	1	LOBBY & OFFICE LIGHTS	16
17	APARTMENT RANGE	2	20	EXISTING	EXISTING	20	2	KITCHEN PTAC	18
19	X	X	X	X	X	X	X	X	20
21	APARTMENT LIVING RM PTAC	2	20	EXISTING	EXISTING	20	2	APT. BEDROOM PTAC	22
23	X	X	X	X	X	X	X	X	24
25	APT. LIGHTS & OUTLETS	1	20	EXISTING	EXISTING	20	1	KITCHEN LIGHTS & PLUGS	26
27	APT OUTLETS	1	20	EXISTING	EXISTING	20	1	KITCHEN COUNTER OUTLETS	28
29	TOASTERS & EXHAUST HOODS	1	20	EXISTING	EXISTING	20	1	GARBAGE DISPOSAL	30

NOTES:

- CKTS # 2, 7 & 9 TO BE RELOCATED TO NEW DESK.
- FACP BRANCH CIRCUIT TO RELOCATED IN WALL MARKET AREA (FACP NEW LOCATION).
- CKTS #4 DEMO WALL FOR LOBBY.
- DEMO CKT# 17/19 AND CONNECT WITH NEW BRANCH CKT FOR DISHWASHER.
- DEMO CKT# 21/23 AND MAKE IT SPARE CB.
- CKT# 12 DEMO AND CONNECT WITH NEW BRANCH CKT FOR ICE MACHINE.
- CKT# 30 FOR GARBAGE DISPOSAL IS FOR FUTURE USE.
- SEE MODIFIED PANEL "F" IN THIS DRAWING.



MANUFACTURER: TYPE/MODEL: PRL1 MOUNTING: SURFACE ENCLOSURE: LOCATION: STORAGE ROOM TYPE: BOLT-ON ENTER CABINET: TOP  
 BUS RATING: 100 A MAIN: MLO VOLTAGE: 208 /120V WIRING: 3 PH 4W FEEDER SIZE: EXISTING AIC: -- AIC FED FROM: EXISTING MAIN SWITCHBOARD

PANEL ID: (E) PANEL-F (MODIFIED)

CKT NO:	LOAD DESCRIPTION	NO. POLES	CB AMPS	CONDUCTOR TYPE	CONDUCTOR TYPE	LOAD KVA	KVA PER PHASE			LOAD KVA	CONDUCTOR TYPE	CB AMPS	NO. POLES	LOAD DESCRIPTION	CKT NO:
							A	B	C						
1	3RD FLOOR CORRIDOR LIGHTS	1	20	EXISTING	EXISTING	1.00	1.18			0.18	EXISTING	20	1	FRONT DESK RECEPTACLE	2
3	EXIT STAIR LIGHTS	1	20	EXISTING	EXISTING	0.10		1.90		1.80	EXISTING	20	1	CONVENIENCE OUTLETS (LOBBY)	4
5	(NEW) PUBLIC REST RM EXHAUST FANS	1	20	EXISTING	EXISTING	0.22			0.45	0.23	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	UNDERCOUNTER FRIDGE (MARKET)	6
7	FRONT DESK RECEPTACLE	1	20	EXISTING	EXISTING	0.18	0.47			0.29	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	UNDERCOUNTER FREEZER (MARKET)	8
9	FRONT DESK RECEPTACLE	1	20	EXISTING	EXISTING	0.18		0.18		0.00	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	SPARE	10
11	FIRE ALARM PANEL	1	20	EXISTING	EXISTING	0.72			0.90	0.18	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	ICE MACHINE	12
13	FIRE ALARM BELL	1	20	EXISTING	EXISTING	0.00	1.50			1.50	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	COUNTERTOP MICROWAVE (MARKET)	14
15	LV TRANSFORMER	1	20	EXISTING	EXISTING	0.00		1.30		1.30	EXISTING	20	1	LOBBY & OFFICE LIGHTS	16
17	(NEW) DISHWASHER	2	40	(NEW) 3/4"C (2)#8 AWG CU & (1)#10 EGC		3.87			5.53	1.66	EXISTING	20	2	KITCHEN PTAC	18
19	X	X	X	X	X	3.87	5.53			1.66	X	X	X	X	20
21	DINING RECEPTION/ROOM LIGHTS	1	20	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC		0.60		2.26		1.66	EXISTING	20	2	MANAGER'S OFFICE PTAC	22
23	TRACK LIGHTS (BUFFET)	1	20	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC		0.60		2.26		1.66	X	X	X	X	24
25	(NEW) PUBLIC REST RM/OFFICE LIGHTS	1	20	EXISTING	EXISTING	0.30	0.60			0.30	EXISTING	20	1	KITCHEN LIGHTS	26
27	OFFICE & RR OUTLETS	1	20	EXISTING	EXISTING	0.72		2.22		1.50	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	MICROWAVE (KITCHEN)	28
29	CONVENIENCE OUTLET (KITCHEN)	1	20	EXISTING	EXISTING	0.36			0.36	0.00	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	SPARE	30
							9.3	7.9	9.5						

TOTAL CONNECTED LOAD KVA: 27  
 TOTAL CONNECTED AMPS: 74  
 DEMAND LOAD KVA: 30  
 DEMAND LOAD AMPS: 82

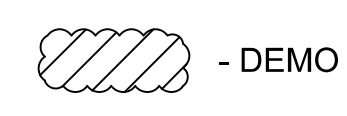
MANUFACTURER: TYPE/MODEL: PRL1 MOUNTING: SURFACE ENCLOSURE: LOCATION: STORAGE ROOM TYPE: BOLT-ON ENTER CABINET: TOP  
 BUS RATING: 225 A MAIN: MLO VOLTAGE: 208 /120V WIRING: 3 PH 4W FEEDER SIZE: EXISTING AIC: -- AIC FED FROM: EXISTING MAIN SWITCHBOARD

PANEL ID: EXISTING PANEL 'E'

CKT NO:	LOAD DESCRIPTION	NO. POLES	CB AMPS	CONDUCTOR TYPE	CONDUCTOR TYPE	AMPS	NO. POLES	LOAD DESCRIPTION	CKT NO:
1	ROOM 306 OUTLETS	1	20	EXISTING	EXISTING	20	1	ROOM 312 LIGHTS & OUTLETS	2
3	ROOM 307 OUTLETS	1	20	EXISTING	EXISTING	20	1	ROOM 311 LIGHTS & OUTLETS	4
5	ROOM 308 OUTLETS	1	20	EXISTING	EXISTING	20	1	ROOM 310 LIGHTS & OUTLETS	6
7	ROOM 309 OUTLETS	1	20	EXISTING	EXISTING	20	1	BREAKFAST OUTLETS	8
9	ROOM 313 OUTLETS	1	20	EXISTING	EXISTING	20	1	BLANK	10
11	ROOM 301 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 306 PTAC	12
13	X	X	X	X	X	X	X	X	14
15	ROOM 302 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 307 PTAC	16
17	X	X	X	X	X	X	X	X	18
19	ROOM 303 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 308 PTAC	20
21	X	X	X	X	X	X	X	X	22
23	ROOM 304 PTAC	2	20	EXISTING	EXISTING	20	2	BREAKFAST PTAC	24
25	X	X	X	X	X	X	X	X	26
27	ROOM 305 PTAC	2	20	EXISTING	EXISTING	20	2	LOBBY PTAC RIGHT	28
29	X	X	X	X	X	X	X	X	30
31	MANAGER'S OFFICE PTAC <sup>1</sup>	2	20	EXISTING	EXISTING	20	2	LOBBY PTAC LEFT	32
33	X	X	X	X	X	X	X	X	34
35	BLANK							BLANK	36
37	BLANK							BLANK	38
39	BLANK							BLANK	40
41	BLANK							BLANK	42

NOTES:

- CKT#31 PTAC IS RELOCATED TO NEW CLOSET AND CONVERT TO NEW VTAC.
- DEMO PTAC RELAY SWITCHES AT CKT # 24/26 & 32/34 AND MAKE SPARE CB.
- SEE MODIFIED PANEL "E" IN THIS DRAWING.



MANUFACTURER: TYPE/MODEL: PRL1 MOUNTING: SURFACE ENCLOSURE: LOCATION: STORAGE ROOM TYPE: BOLT-ON ENTER CABINET: TOP  
 BUS RATING: 225 A MAIN: MLO VOLTAGE: 208 /120V WIRING: 3 PH 4W FEEDER SIZE: EXISTING AIC: -- AIC FED FROM: EXISTING MAIN SWITCHBOARD

PANEL ID: (E) PANEL 'E' (MODIFIED)

CKT NO:	LOAD DESCRIPTION	NO. POLES	CB AMPS	CONDUCTOR TYPE	CONDUCTOR TYPE	AMPS	NO. POLES	LOAD DESCRIPTION	CKT NO:
1	ROOM 306 OUTLETS	1	20	EXISTING	EXISTING	20	1	ROOM 312 LIGHTS & OUTLETS	2
3	ROOM 307 OUTLETS	1	20	EXISTING	EXISTING	20	1	ROOM 311 LIGHTS & OUTLETS	4
5	ROOM 308 OUTLETS	1	20	EXISTING	EXISTING	20	1	ROOM 310 LIGHTS & OUTLETS	6
7	ROOM 309 OUTLETS	1	20	EXISTING	EXISTING	20	1	BREAKFAST OUTLETS	8
9	ROOM 313 OUTLETS	1	20	EXISTING	EXISTING	20	1	BLANK	10
11	ROOM 301 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 306 PTAC	12
13	X	X	X	X	X	X	X	X	14
15	ROOM 302 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 307 PTAC	16
17	X	X	X	X	X	X	X	X	18
19	ROOM 303 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 308 PTAC	20
21	X	X	X	X	X	X	X	X	22
23	ROOM 304 PTAC	2	20	EXISTING	EXISTING	20	2	SPARE	24
25	X	X	X	X	X	X	X	X	26
27	ROOM 305 PTAC	2	20	EXISTING	EXISTING	20	2	LOBBY PTAC RIGHT	28
29	X	X	X	X	X	X	X	X	30
31	(NEW) VTAC AMANA (CLOSET)	2	20	EXISTING	EXISTING	20	2	SPARE	32
33	X	X	X	X	X	X	X	X	34
35	BLANK							BLANK	36
37	BLANK							BLANK	38
39	BLANK							BLANK	40
41	BLANK							BLANK	42

CKT NO:	LOAD DESCRIPTION	NO. POLES	CB AMPS	CONDUCTOR TYPE	LOAD KVA	KVA PER PHASE			LOAD KVA	CONDUCTOR TYPE	CB AMPS	NO. POLES	LOAD DESCRIPTION	CKT NO:
						A	B	C						
1	COMBI OVEN (Combi Pro 6-half size E/g)	3	35	(NEW) 1" C (3)#8 AWG CU & (1)#10 EGC	3.60	5.40			1.80	(NEW) 3/4" C (2)#12 AWG CU & (1)#12 EGC	20	1	INDUCTION COOKER 1	2
3	X	X	X		3.60		5.40		1.80	(NEW) 3/4" C (2)#12 AWG CU & (1)#12 EGC	20	1	INDUCTION COOKER 2	4
5	X	X	X		3.60			5.40	1.80	(NEW) 3/4" C (2)#12 AWG CU & (1)#12 EGC	20	1	INDUCTION COOKER 3	6
7	BUFFET TOASTER	1	20	(NE) 3/4" C (2)#12 AWG CU & (1)#12 EGC	0.84	1.70			0.86	(NEW) 3/4" C (2)#12 AWG CU & (1)#12 EGC	20	1	BUFFET JUICE	8
9	OATMEAL COOKER	1	20	(NE) 3/4" C (2)#12 AWG CU & (1)#12 EGC	1.65		1.77		0.12	(NEW) 3/4" C (2)#12 AWG CU & (1)#12 EGC	20	1	EXHAUST FAN #1 (ABOVE REF & FREEZER)	10
11	MINI FRIDGE FOR YOGURT & MILK DISPLAY 1	1	20	(NE) 3/4" C (2)#12 AWG CU & (1)#12 EGC	0.15			0.27	0.12	(NEW) 3/4" C (2)#12 AWG CU & (1)#12 EGC	20	1	EXHAUST FAN #2 (ABOVE OVEN)	12
13	MINI FRIDGE FOR YOGURT & MILK DISPLAY 2	1	20	(NE) 3/4" C (2)#12 AWG CU & (1)#12 EGC	0.15	1.47			1.32	(NEW) 3/4" C (2)#12 AWG CU & (1)#12 EGC	20	1	REACH-IN FREEZER	14
15	SPARE	1	20		0.00		0.00		0.00		20	1	SPARE	16
17	REACH-IN REFRIGERATOR	1	20	(NE) 3/4" C (2)#12 AWG CU & (1)#12 EGC	0.65			1.90	1.25	(NEW) 3/4" C (2)#12 AWG CU & (1)#12 EGC	20	1	COFFEE/HOT WATER MACHINE	18
19	BLANK				0.00	0.00			0.00				BLANK	20
21	BLANK				0.00		0.00		0.00				BLANK	22
23	BLANK				0.00			0.00	0.00				BLANK	24
25	BLANK				0.00	0.00			0.00				BLANK	26
27	BLANK				0.00		0.00		0.00				BLANK	28
29	BLANK				0.00			0.00	0.00				BLANK	30
31	BLANK				0.00	0.00			0.00				BLANK	32
33	BLANK				0.00		0.00		0.00				BLANK	34
35	BLANK				0.00			0.00	0.00				BLANK	36
37	BLANK				0.00	0.00			0.00				BLANK	38
39	BLANK				0.00		0.00		0.00				BLANK	40
41	BLANK				0.00			0.00	0.00				BLANK	42
					<b>8.6</b>	<b>7.2</b>	<b>7.6</b>							
TOTAL CONNECTED LOAD KVA:					<b>23</b>									
TOTAL CONNECTED AMPS:					<b>65</b>									
DEMAND LOAD KVA:					<b>24</b>									
DEMAND LOAD AMPS:					<b>66</b>									

**NOTE:**

1. NEW PANEL "G" AND NEW BRANCH CIRCUITS.

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SEAL & SIGNATURE:

NO ALTERATION PERMITTED EXCEPT AS PROVIDED UNDER DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

REV	DATE	DESCRIPTION
0	XX/XX/2021	ISSUED FOR APPROVAL

CLIENT:  
**THE INN**

PROJECT:  
**INN RENOVATION**

ADDRESS:  
 MARIPOSA, CA 95338

ISSUE DATE:  
 XX/XX/2021  
 PROJECT NUMBER:  
 AE# 1251  
 SCALE: NONE      DRAWN BY: DEE  
 DESIGNED BY: DEE      CHECKED BY: DEE

DRAWING TITLE:  
**PANELBOARD SCHEDULES - SHEET 2**

DRAWING NO: **E402**      REVISION: **0**