PROJECT DESCRIPTION

RENOVATION

PROJECT LOCATION:

MARIPOSA, CA 95338

SHEET INDEX

E100 ELECTRICAL COVER SHEET, GENERAL NOTES & SYMBOL LEGEND E200 ELECTRICAL LIGHTING PLAN

- E300 ELECTRICAL POWER PLAN
 E400 ELECTRICAL SINGLE LINE DIAGRAM
- 01 ELECTRICAL PANELBOARD SCHEDULES SHEET

SCOPE OF WORK

MEP DESIGN OF HOTEL RENOVATION.

APPLICABLE CODE:

- CALIFORNIA FIRE CODE 2016.
 CALIFORNIA PLUMBING CODE 2016.
 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

- ALL FLUORESCENT BALLAST AND LUMINARIES ARE TO BE CERTIFIED AND APPROVED FOR INSTALLATION IN ACCORDANCE WITH CALIFORNIA ENERGY COMMISSION.
- BI-LEVEL 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 "T8"
 32 WATT LAMPS, ELECTRONIC TWO-LAMP OR THREE-LAMP BALLASTS.

 4. ALL ALTONATIO CONTROL DE MOSO OPERALISE TO DE CENTEUR AUG.

 4. ALL ALTONATIO CONTROL DE MOSO OPERALISE TO DE CENTEUR AUG.
- 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
- 6. ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 1.2 WATTS PER SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH BI-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
- SEPARATE SWITCH.

 8. ANY BUILDING SPACE GREATER THAN 5,000 SQUARE FEET TO HAVE A CERTIFIED AUTOMATIC SHUT-OFF CONTROL. IN ADDITION TO THE SHUT-OFF CONTROL, EACH SPACE TO HAVE AN OVERRIDE FOR THE AUTOMATIC CONTROLS 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.

HAVE 50% OF THE LAMPS IN EACH DAYLIT AREA CONTROLLED BY A

ELECTRICAL NOTES

- 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 FEES, INSPECTION AND TAXES APPLICABLE TO THE ELECTRICAL WORK. PROVIDE ALL INSTRUMENTS AND PERFORM ALL TESTS REQUIRED BY THE AHJ. CORRECT ALL FAILURES 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 DIAGRAMMATIC REPRESENTATION OF INTENDENT 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 CONTAINED IN THIS LIST 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, OCAL, STATE, FEDERAL AND AUTHORITY HAVING JURISDICTION CODES APPLICABLE AT THE TIME OF THE CONSTRUCTION.
- GENERAL WORK PRACTICES FOR ELECTRICAL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NECA 1 STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION (ANSI)
- 7. ALL MATERIALS PROVIDED BY THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS, LISTED/LABELED FOR THE INTENDED PURPOSE BY UNDERWRITERS (UL) OR OTHER OPEN AND THAT IS ACCEPTABLE TO THE ALL
- ORGANIZATION THAT IS ACCEPTABLE TO THE AHJ.

 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 SPACES. THE CONTRACTOR IS RESPONSIBLE FOR CAREFULLY LAYING OUT ALL WORK TO CONFORM TO NATIONAL ELECTRICAL CODE CLEARANCES, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND SITE CONDITIONS, TO AVOID

OBSTRUCTIONS AND TO ALLOW THE PROPER INSTALL ATION 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.
- 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
- 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 SYSTEM READY FOR OPERATION AND INSPECTION BY AHJ.
- 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 IN PROPER AND SATISFACTORY WORKING CONDITIONS.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE CORRECT PHASE SEQUENCE OF ALL THREE-PHASE FEEDERS AND BRANCH CIRCUITS. VERIFY PROPER ROTATION OF ALL MOTORS.
 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

VERIFIED IN THE FIELD. ALL CONDUIT TYPES AND INSTALLATION REQUIREMENTS SHALL BE IN

- 19. PROVIDE IDENTIFICATION ON ALL PANELBOARDS, SWITCHES, STARTERS, DIMMERS, SWITCHES IN DISTRIBUTION PANELBOARDS AND SWITCHBOARDS.
 20. CONDUIT RUNS WHEN SHOWN ARE DIAGRAMMATICAL. FINAL LOCATION AND ROUTING SHALL BE ESTABLISHED BY THE CONTRACTOR BASED ON THE INSTALLATION CONDITIONS AND SHALL BE
- 21. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGELS TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. ALL EMPTY CONDUITS SHALL BE

PROVIDED WITH A DRAG WIRE.

BOX. MAXIMUM LENGTH SHALL BE 6'-0"

- 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. PULLBOXES , JUNCTION BOXES, CONDUIT BODIES, AND EXPANSION JOINTS SHALL BE INSTALLED AS PER NFPA 70.
- 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
- 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 INDICATED. CIRCUIT NUMBERS ARE 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.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL MOUNTING HEIGHTS OF ALL DEVICES MOUNTED IN CASEWORK OR IN ABOVE COUNTERS WITH EXISTING EQUIPMENT.
 UNLESS SPECIFICALLY DIRECTED OTHERWISE, FURNISH AND INSTALL EACH AND EVERY ITEM CONTAINED IN AND ASSOCIATED WITH, THE WORK INVOLVED AS 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 STRUCTURAL SURFACE EXISTS.
- 32. EQUIPMENT SIZED AND LOCATIONS ARE APPROXIMATE. ACTUAL DIMENSIONS TO BE
- 33. PROVIDE BRANCH CIRCUIT WIRING TO ALL ITEMS REQUIRING ELECTRICAL CONNECTIONS. WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN, CONNECT ITEMS TO CIRCUITS INDICATED THE CONTRACTOR SHALL DETERMINE EXACT ROUTING OF CONDUITS AND WIRING. UNI
- INDICATED OTHERWISE, ALL BRANCH CIRCUITS SHALL BE MINIMUM #12 THHN AWG CO

 34. PROVIDE JUNCTION BOX FOR ANY DEVICE WITH PIG TAIL SUCH AS SOLENOW SWITCHES, SMOKE DETECTORS AND ETC. FOR PROPER ELECTRICAL CONNE TIGE ALL HARDWARE FOR MOUNTING OF JUNCTION BOX.
- 35. ALL FIRE ALARM SYSTEMS RACEWAY, SWITCHES, AND JUNCTION BOXES SHALL F PAINTED
- 36. TIGHTEN SCREWS AND BOLTS FOR CONNECTORS AND TERMINA MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES

ABBREVIATIONS

AFF

AFG

AFCI

ASYM

ATS

AWG

BKR

CCTV

CKT

CLG

CNTL

CPT

DISC

AMPERE

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

ASYMMETRICAL

CIRCUIT BREAKER

CONDUIT

CIRCUIT

CEILING

CONTROL

COPPER

DEMOLISH

DIAMETER

DOWN

DISCONNECT

CENTER LINE

ARC FLASH INTERRUPTER

ARC FLASH CIRCUIT INTERRUPTER

AUTOMATIC TRANSFER SWITCH

CLOSED CIRCUIT TELEVISION

CONTROL POWER TRANSFORMER

CURRENT TRANSFORMER

DISTRIBUTION PANEL BOARD

37. EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPM. IT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND THE WITH MECHANICAL AND PLUMBING CONTRACTORS.

DRAWING

ELEVATION

ELECTRICAL

EQUIPMENT

FIRE ALARM

FEEDER

FIXTURE

GROUND

GENERATOR

FLOOR

EXIST (e) EXISTING

ELEC

FDR

FIXT

G.C.

GEN

GFCI

HOA

ΚV

ELECTRICAL CONTRACTOR

FURNISHED BY OTHER

GENERAL CONTRACTOR

GROUND FAULT CIRCUIT INTERRUPTER

GROUND FAULT INTERRUPTER

HIGH INTENSITY DISCHARGE

HAND-OFF-AUTOMATIC

INTERRUPTING CAPACITY

HORSE POWER

INPUT / OUTPUT

JUNCTION BOX

KILOVOLT

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

SYMBOL LEGEND

ELECTRICAL EQUIPMENT

TYPICAL FOR ALL RECEPTACLES, OUTLETS, JUNCTION BOXES AND

ARC FAULT CIRCUIT INTERRUPTER

DUPLEX RECEPTACLE

SWITCHED DUPLEX RECEPTACLE - ONE OUTLET

SWITCHED LOWER CASE LETTER DENOTES

GROUND FAULT INTERRUPTER

SURGE SUPPRESSION TYPE

ISOLATED GROUND TYPE

WEATHERPROOF

EQUIPMENT: NUMBER DENOTES PANEL CIRCUIT NUMBER.

TYPICAL FOR ALL LIGHTING FIXTURES:

SWITCHED CIRCUIT.

CAPITAL LETTER DENOTES FIXTURE TYPE

SEE LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION, TYPE, AND

3. NUMBER DENOTES BRANCH CIRCUIT NUMBER AT RESPECTIVE

LIGHTING PANELBOARD. LOWER CASE LETTER DENOTES

TYPICAL LIGHTING FIXTURE

SINGLE POLE SWITCH

- 39. DESIGN IS BASED ON ALL CONDUCTORS TO BE THHN COPPER AND NO MORE THAN 4 CURRENT CARRYING CONDUCTORS IN THE SAME RACEWAY OR CONDUIT, UNLESS OTHERWISE NOTED.
- 40. WHEN EQUIPMENT IS BEING REMOVED/DEMO 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, 8' 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-MADE, QUICK-BREAK TYPE, NEMA 1 ENCLOSURE FOR INDOOR 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 BUSSMAN, GOULD-SHAWMUT, OR LITTLE-FUSE. 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 50 AND 67, WITH U.L. LABEL. PANELS 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-MAKE, QUICK-BREAK, PLUG-IN TYPE FOR LOAD CENTERS AND BOLT IN TYPE FOR PANEL BOARDS 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 "SWD". 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 CONDUCTOR IS ENCLOSED IN CONDUIT, GROUND CLAMP SHALL BE OF A TYPE WHICH GROUNDS BOTH CONDUCTOR 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 (3) 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.
- ALL CONDUITS SHALL BE EMT UNLESS OTHERWISE NOTED.
 CONDUIT SHALL BE SIZED TO COMPLY WITH NEC FOR NUMBER AND SIZE OF CONDUCTORS INSTALLED PER NEC. PROVIDE SCHEDULE 40 PVC PLASTIC OR RIGID STEEL CONDUIT BELOW GRADE, MINIMUM 3/4". PROVIDE ELECTRICAL METAL TUBING (EMT) MEETING FS W-C563, FLEXIBLE METAL CONDUIT (IN LENGTHS 6" OR LESS) FOR 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
- 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 USED AS THE SOLE GROUNDING MEANING.
- 58. CONDUCTORS: INSULATED SOFT ANNEALED 98% PURE COPPER WITH COLOR COL. G, B / D GAGE, #10 AND SMALLER TO BE SOLID, #8 AND LARGER TO BE STRANDED, MINIMUM. 1. LES OTHERWISE INDICATED. CONDUCTORS MUST BE INSTALLED IN ACCORDANCE WITH NEC AND CANNOT BE SUPPORTED FROM CEILING SUPPORT WIRES. THHN MAY NO SISE UNDERGROUND, AT SERVICE ENTRANCE, OUTSIDE, OR IN WET LOCAT. NS. A. "NSULATION T BE RATED FOR 600 V AND TYPES AS FOLLOWS:
- #10 AND #12:
 #8 TO 4/0:
 SERVICE ENTRANCE:
 OVER #4/0 ORDINARY SERVICE:
 OVER #4/0 WET OR HOT SERVICE:
 WIRE THRU FLUORESCENT FIXTURES
 OR WHITHIN OF HTG EQUIP.:
- OR WHITHIN OF HTG EQUIP.:

 59. ALL CONDUIT AND RACEWAY SYSTEMS TO BE 15 ALL ID WITH SEPARATE GROUND

 CONDUIT SYSTEM IS NOT TO BE 15 ALL ID WITH SEPARATE GROUNDING MEANS.
- 60. ALL WIRING TO BE COLOR-CODED AS 120/208 VOLT SYSTEM
 - 120/208 VOLT SYSTEM
 277/480 SYSTEM

 NEUTRAL:
 WHI

 PHASE A:
 BROWN

 PHASE B:
 ORANGE

 PHASE B:
 ORANGE

 PHASE C:
 YELLOW

 PHASE C:
 YELLOW

 NEUTRAL:
 GRAY
- 1. WIRE CONNECTOR: "IA" B EQUAL TO "SCOTCH LOCK" FOR #8 AWG WIRE AND SMALLER AND EQUAL TO TOUR HOLD FOR #6 AWG AND LARGER.
- 62. LU T FIX THE SEA LAMPS ARE FURNISHED BY CONTRACTOR EXCEPT AS NOTED ON THE LIGHT ATUP THE SCHOOL ULE. FIXTURE INSTALLATION SHALL BE BY THE ELECTRICAL CONTRACTOR COULDING TO LOCAL CODE AUTHORITY.
- EM. GF. CY LIGHTING SHALL HAVE A MINIMUM OF 90 MIN. BATTERY BACK-UP, OR AS REQUIRED BY LC. AL CODE AUTHORITY. PROVIDE LOCK-ON CIRCUIT BREAKERS FOR CIRCUITS SERVING EXIT SIGN FIXTURES AND EMERGENCY BATTERY PACK FIXTURES.
- ALL EMERGENCY LIGHTS SHALL BE CONNECTED AHEAD OF ANY LOCAL SWITCH.

 5. ALL EXIT SIGNS SHOWN ARE PER ARCHITECTURAL LAYOUT AND SHALL BE APPROVED BY FIRE DEPARTMENT AND BUILDING OFFICIAL
- 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 CEILINGS 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 STEEL 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 CLEAN. TERMINALS ON SWITCHES AND OUTLET SHALL NOT BE USED TO "FEED THRU" TO THE NEXT SWITCH OR OUTLET.

POTENTIAL TRANSFORMER

POWER PANEL

RECEPTACLE

REVISION

SWITCHBOARD

SWITCHGEAR

SYMMETRICAL

TELEPHONE

UNDERGROUND

U.O.N. UNLESS OTHERWISE NOTED

VOLT AMPERE

WATTS

WHM WATT HOUR METER

WIREWAY

XFMR TRANSFORMER

VOLT OR VOLTAGE

WEATHERPROOF

VARIABLE FREQUENCY DRIVE

TYPICAL

SPARE

SHIELDED CABLE

SURGE SUPRESSION

SHD

SWGR

SYM

TYP

U/G

VA

VFD

W

POWER

- 69. PROVIDE SINGLE GANG PLASTER RING AND A 1/8" DIAMETER NYLON PULL ROPE TO ACCESSIBLE CEILING SPACE FROM ALL NEW TELEPHONE AND/OR DATA OUTLETS.
- 70. FOR ALL WIRING DEVICES, VERIFY FINISH COLOR WITH ARCHITECT.

KILOVOLT AMPERE

KILOWATT HOUR

LIGHTING PANEL

LOCAL CONTROL PANEL

LOAD INTERRUPTER SWITCH

MOTOR CONTROL CENTER

MAIN DISTRIBUTION PANEL

MANUAL TRANSFER SWITCH

NATIONAL ELECTRIC CODE

MOLDED CASE SWITCH

MAIN SWITCHBOARD

MAIN SWITCHGEAR

NON-AUTOMATIC

NORMALLY OPEN

NOT TO SCALE

POLE

PHASE

PANEL

NORMALLY CLOSED

KILOWATT

LIGHTING

MAXIMUM

LTG

MCC

MCS

MDP

NTS

PNL

GFCI	SWITCHED LOWER CASE LETTER DENOTES	Ÿ	SINGLE FOLE SWITCH		ELECTRONIC TRIF TIPE DEVICE
₩ 44	DOUBLE DUPLEX RECEPTACLE	\$2	DOUBLE POLE SWITCH	, ,	CIRCUIT BREAKER
GFCI	SINGLE RECEPTACLE	\$3	THREE-WAY SWITCH	'	
GFCI	SPECIAL RECEPTACLE AMPERE AND VOLTAGE			3P) 100	THERMAL MAGNETIC CIRCUIT BREAKER TOP NUMBER DENOTES TRIP AMPERE RATING BOTTOM NUMBER DENOTES FRAME SIZE AMPERE RATING
⊘ 44 GFCI	RATING AS INDICATED ON DRAWING	ξ_4	FOUR-WAY SWITCH	100	#P - DENOTES NUMBER OF POLES
Φ_{44} Φ_{44}	SURFACE RACEWAY WITH RECEPTACLES, AS INDICATED ON DRAWINGS	\$ _κ	SINGLE POLE KEY SWITCH	•	
44	DOUBLE DUPLEX RECEPTACLE - FLOOR MOUNTED	\$ _{3K}	THREE WAY KEY SWITCH	3P) 100	CIRCUIT BREAKER WITH ELECTRONIC TRIP PROGRAMMER. TOP NUMBER INDICATES FRAME SIZE SIZE, BOTTOM NUMBER INDICATES SENSOR
<u> </u>				ET (100	RATING. #P - DENOTES NUMBER OF POLES
44	DUPLEX RECEPTACLE - FLOOR MOUNTED	$\xi_{\text{\tiny PL}}$	SINGLE POLE SWITCH WITH PILOT LIGHT	☆	
(2) 44	SPECIAL RECEPTACLE - FLOOR MOUNTED	\$₀	DIMMING SWITCH	3P \ \ 100_	DRAW-OUT TYPE THERMAL MAGNETIC CIRCUIT BREAKER TOP NUMBER DENOTES TRIP AMPERE
⊕ 44	CEILING MOUNTED DUPLEX RECEPTACLE	\$ _{os}	OCCUPANCY SENSOR TYPE SWITCH	J 100	RATING BOTTOM NUMBER DENOTES FRAME SIZE AMP RATING #P - DENOTES NUMBER OF POLES
- KANGE	FLOOD HINOTON DOV		TURES WAY RIVING OWERS	*	
PNL J 22 REC	FLOOR JUNCTION BOX	\$ _{3D}	THREE WAY DIMMING SWITCH	3P 100	MEDIUM VOLTAGE DRAW-OUT CIRCUIT BREAKER TOP NUMBER DENOTES TRIP SIZE AMPERE
H [©] ²²	WALL MOUNTED JUNCTION BOX	\$ _M	MANUAL MOTOR TOGGLE TYPE STARTER WITH INTEGRAL THERMAL OVERLOAD HEATER	32 100	RATING BOTTOM NUMBER DENOTES FRAME SIZE AMP RATING #P - DENOTES NUMBER OF POLES
PP22 ① 22 I.5KVA ② REC	JUNCTION BOX, SIZE AND MOUNT AS REQUIRED		EMERGENCY LIGHTING	⋄	
EMH 1	ELECTRICAL OR TELEPHONE MANHOLE	Y EXIT	EMERGENCY LIGHTING WITH EXIT SIGN	3P \ 100	DRAW-OUT MCC FVNR CIRCUIT BREAKER COMBINATION STARTER TOP NUMBER DENOTES TRIP SIZE AMPERE RATING MCP DENOTES MOTOR
	ELECTRICAL ON TELEFITIONE MANUFOLE		LINE ROLLING WITH EATH GIGN	100 NEMA 1	CIRCUIT PROTECTOR SIZE N# - DENOTES NEMA STARTER SIZE
O EHH 1	ELECTRICAL OR TELEPHONE HANDHOLE	EXIT	EXIT SIGN	۶	#P - DENOTES NUMBER OF POLES
ТВ	TERMINAL BOX. SIZE IN ACCORDANCE WITH NEC REQUIREMENTS AND TO ACCOMMODATE ALL TERMINAL BLOCKS.	MS	MOTION SENSOR	^	
РВ	PULL BOX. SIZE IN ACCORDANCE WITH NEC	PC	PHOTOCELL	3P 🔓 200	DRAW-OUT FUSED SWITCH TOP NUMBER DENOTES SWITCH AMPERE RATING BOTTOM
	REQUIREMENTS. SURFACE PANELBOARD LETTERS & NUMERALS			þ 200	NUMBER DENOTES FUSE AMPERE RATING #P - DENOTES NUMBER OF POLES
PXXX	INDICATE EQUIPMENT TAG	os	OCCUPANCY SENSOR	₩	
PXXX	RECESSED PANELBOARD LETTERS & NUMERALS INDICATE EQUIPMENT TAG	TC	TIME CLOCK	Ŷ	FUSED MEDIUM VOLTAGE DRAW OUT STARTER
PANEL #33			LIGHTING CONTACTOR.	3P 100	TOP NUMBER DENOTES FUSE AMPERE RATING N# - DENOTES NEMA STARTER SIZE
225A MCB	ELECTRICAL PANEL LETTERS AND NUMBERS INDICATE PANELBOARD IDENTIFICATION TAG SEE PANEL SCHEDULE FOR DETAILS.	LC#1	NUMBER DENOTES CONTACTOR IDENTIFICATION TAG. SEE CONTACTOR SCHEDULE FOR NUMBER OF POLES AND DETAILS.	NEMA1	#P - DENOTES NUMBER OF POLES
3P - 4W ELEC	SEE FAINEL SCHEDULE FOR DETAILS.	[man]	GENERATOR REMOTE	, I	
P1-5		GRA	ANNUNCIATOR	3P 100	3P / 100 UNFUSED DISCONNECT SWITCH. NUMBE DENOTES SWITCH AMPERE RATING
P1-5,7	HOMERUN CIRCUITS TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF	\checkmark	PADDLE FAN	3P ☐ P OR ₹ O	
P1-5,7,9	CIRCUIT HOMERUNS. 1 PH 120V		TABLE TAIN	'	
P 1000		GENERATION & G	ROUNDING		FUSED DISCONNECT SWITCH TOP OR
P-1000 2 SETS 3/4" C	FEEDER TAG WITH CONDUIT AND WIRE SIZE AND	K1	LOCK FOR RESPECTIVE KEY INTERLOCK WITH KEY CAPTIVE IN LOCK	3P \$ 100 3P OR \$ 0	FIRST NUMBER DENOTES SWITCH AMPERE RATING BOTTOM OR SECOND NUMBER DENOTES
3 #12 1 #12 G	DATA	L1	LOCK FOR RESPECTIVE KEY INTERLOCK		R SECOND NUMBER DENOTES AMPERE FUSE RATING #P - DENOTES NUMBER OF POLES
	INDICATED NEW OD EVICTING	[21]	LOCKT ON NEGFECTIVE RET INTEREGOR		## DENO 120 No. 10 1 1 0 1 2 0
	INDICATES NEW OR EXISTING EQUIPMENT/CONDUIT	EMD	ELECTRONIC METERING DEVICE		MEDIUM VOLTAGE UNFUSED LOAD INTERRUPTER
	INDICATES CONCEALED NEW OR EXISTING EQUIPMENT/CONDUIT	(AM) (A)	AMMETER - AMMETER SWITCH	3P / 100	SWITCH NUMBER DENOTES SWITCH AMPERE RATING #P - DENOTES NUMBER OF POLES
///////	INDICATES EXISTING EQUIPMENT/CONDUIT TO BE	$\overline{\mathbb{V}}$	VOLTMETER - VOLTMETER SWITCH	I	
	DEMOLISHED AND/OR REMOVED		VSEIMETER VSEIMETERSONISII		MEDIUM VOLTAGE FUSED LOAD INTERRUPTER SWITCH TOP NUMBER DENOTES SWITCH AMPERE
	BUSS BAR	(WHM)	WATTHOUR METER	3P / 100 80	RATING BOTTOM NUMBER DENOTES FUSE AMPERE RATING #P - DENOTES NUMBER OF
******	FLEXIBLE CONNECTION	M	UTILITY COMPANY METER AND METER PAN AS REQUIRED	1 00	POLES
	CONDUIT TURNING UP		FUSE	$\frac{+}{4}$	MAGNETIC MOTOR STARTER WITH THERMAL
_				윔	OVERLOADS
•	CONDUIT TURNING DOWN	SPD	SURGE PROTECTOR DEVICE	\boxtimes 1 OR $\stackrel{\perp}{=}$ 1	MAGNETIC MOTOR STARTER CONTACTOR N# - DENOTES NEMA STARTER SIZE
	CAPPED CONDUIT	⊥ } HF	HARMONIC FILTER	ı	COMBINATION MAGNETIC MOTOR STARTER WITH
7//////	CABLE TRAY (LADDER STYLE) NUMBER DENOTES	= '''	HAMIONICHELEN	\square_3	DISCONNECT SWITCH. N# - DENOTES NEMA STARTER SIZE
	WIDTH IN INCHES	± BE00		100/5	
	BUS DUCT	↓ PFCC	POWER FACTOR CORRECTION CAPACITOR	100/5 100/5 OR #	CURRENT TRANSFORMER (CT) NUMBER RATIO DENOTES CT PRIMARY AND SECONDARY CURRENT RATINGS
Щ			LINE REACTOR	(3) (1)	NUMBER IN PARENTHESIS INDICATES QUANTITY
OA	HAND OFF AUTO SELECTOR SWITCH			PT	POTENTIAL TRANSFORMER WITH PRIMARY AND
С	CONTROL STATION	- WV	RESISTOR		SECONDARY FUSES
S	CONTROL STATION				ENCLOSED CIRCUIT BREAKER TOP OR FIRST NUMBER
	PUSHBUTTON STATION	(3P) 100HP	GENERATOR	**) 1000 OR CB	SECOND NUMBER DENOTES FUSE AMPERE RATING #P
Ħ	INDICATING LIGHT STATION				- DENOTES NUMBER OF POLES
DATA & TELEPHO	DNE	\forall	MEDIUM VOLTAGE CABLE STRESS CONNECTION		
DATA & TELEPHO	DATA SYSTEM SYSTEM OUTLET BOX, WITH 3/4"	Y	WEDIOW VOLTAGE CABLE STRESS CONNECTION	3P)RATING	ENCLOSED CIRCUIT BREAKER/COMBINATION FVNR STARTER TOP NUMBER DENOTES MOTOR
∇	CONDUIT SUB UP ABOVE HUNG CEILING WITH DRAG LINE AND BUSHED ENDS	Ţ	600 VOLT CABLE LIMITER CONNECTION		CIRCUIT PROTECTOR CONTINUOUS AMPERE RATING N# DENOTES NEMA STARTER SIZE.
_	TELEPHONE SYSTEM OUTLET BOX, WITH 3/4"	LA (3)			#P - DENOTES NUMBER OF POLES
▼	CONDUIT SUB UP ABOVE HUNG CEILING WITH DRAG LINE AND BUSHED ENDS	- 10/	LIGHTNING ARRESTER. NUMBER IN PARENTHESIS		
T	COMBINATION TELEPHONE/DATA BOX WITH 1" CONDUIT STUB UP ABOVE HUNG CEILING	<u> </u>	INDICATES QUANTITY.		
·	WITH DRAG LINE AND BUSHED ENDS			;	ENCLOSED CT CABINET
	DATA OUTLET BOX - FLOOR MOUNTED	\ _	GROUNDED WYE CONNECTION		
	TELE OUTLET BOX - FLOOR MOUNTED	j	LINOPOLINIPED MAYE CONNECTION	50	RELAY. NUMBER (S) DENOTE ANSI DEVICE
_	COMBINATION TELEPHONE/DATA OUTLET FLOOR	YI I	UNGROUNDED WYE CONNECTION	$\left(\frac{50}{51}\right)$	FUNCTION NUMBER.
V	MOUNTED	4	OPEN DELTA CONNECTION	ATS 1	
	TELEPHONE POKE THRU			1200A 250 V 4P - 4W	AUTOMATIC TRANSFER SWITCH
igotimes	DATA POKE THRU	Δ	DELTA CONNECTION	4r - 4W	
-		-		Control Panel	
(b)	TELEPHONE / DATA POKE THRU TELEPHONE/DATA TERMINAL BOARD.	•	NODE	ITN I FILM	TS 1 /BY PASS OLATION
TTB/DTB	3/4" x 4' x 6' PLYWOOD FASTENED TO THE WALL WITH 3/4" CHANNEL.	0	WIRE TERMINAL		200A AUTOMATIC TRANSFER SWITCH 50 V WITH BYPASS ISOLATION
	- · · · · ·	0	GROUND TEST ELECTRODE		? - 4W
		— (•)	GROUND ROD		
		~•			
		— G —	UNDERGROUND GROUND SYSTEM BARE CABLE. SIZE AS NOTED OR INDICATED.	XFMR-1 1000 KVA 13,200 V-	TRANSPORMER SIZE AS NOTED WITH
		G ——	BUILDING GROUND SYSTEM BARE CABLE SIZE AS NOTED OR INDICATED	480Y/277 3P - 4W	
		_ <u>_</u>	GROUND GRID CABLE CONNECTION		
		₹	STOCKE ONLY WALL CONNECTION		
		÷	GROUND CONNECTION	M	PACKAGED EQUIPMENT WITH DISCONNECT SWITCH AND MOTOR STARTER

STRIBUTION EQUIPMENT

FOR ALL DISTRIBUTION EQUIPMENT

GROUND FAULT PROTECTION
SHUNT TRIP

GROUND FAULT PROTECTION FUNCTIONS
100% - 100% RATED EQUIPMENT.

LONG TIME, SHORT TIME INSTANTANEOUS AND

ELECTRIC OPERATED DEVICE

ELECTRONIC TRIP TYPE DEVICE



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

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

CLIENT:

INN

THE

PROJECT:

INN

RENOVATION

MARIPOSA, CA 95338

ADDRESS:

ISSUE DATE:

XX/XX/2021

PROJECT NUMBER:

AE# 1251

SCALE: DRAWN BY:

NONE DEE

DESIGNED BY: CHECKED BY:

DEE

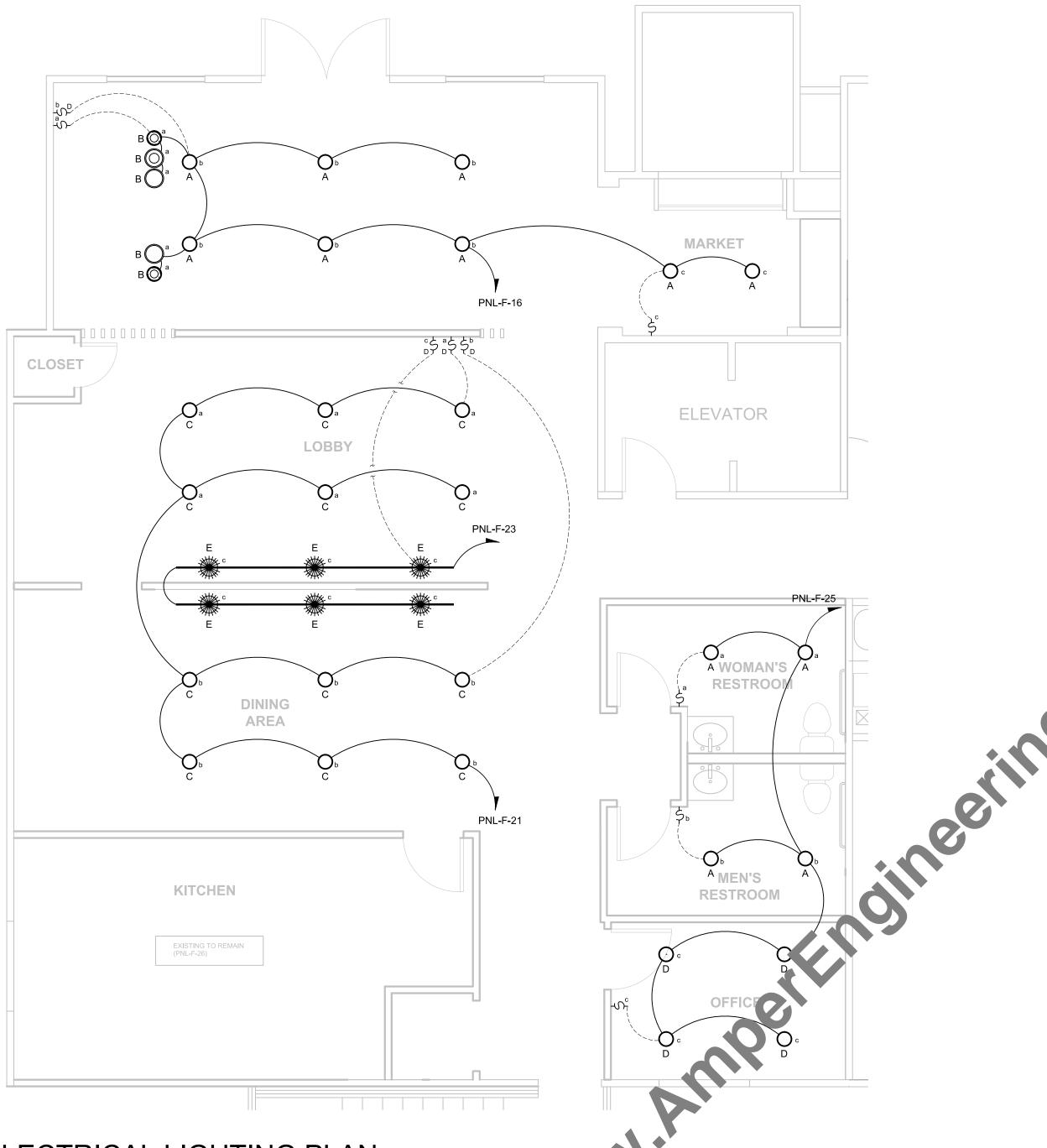
DRAWING TITLE:

| | ELECTRICAL COVER | SHEET, | GENERAL NOTES & | SYMBOL LEGEND

DRAWING NO:

100

REVISION:



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.

ELECTRICAL LIGHTING PLAN

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

		LIGHTING	FIXTURE SCHEDULE			
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING
А	RECESSED DOWNLIGHT	BAZZ	SLMTB6W	8W, LED	120	RECESSED
В	PENDANT LIGHT	SAFAVIEH	PND4030C	1 LAMP, LED	120	PENDANT
С	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.

PROFESSIONAL ENGINEERING:

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201-920-2899 ☑info@AmperEngineering.com

SEAL & SIGNATURE:

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

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NONE DEE

DESIGNED BY: CHECKED BY:

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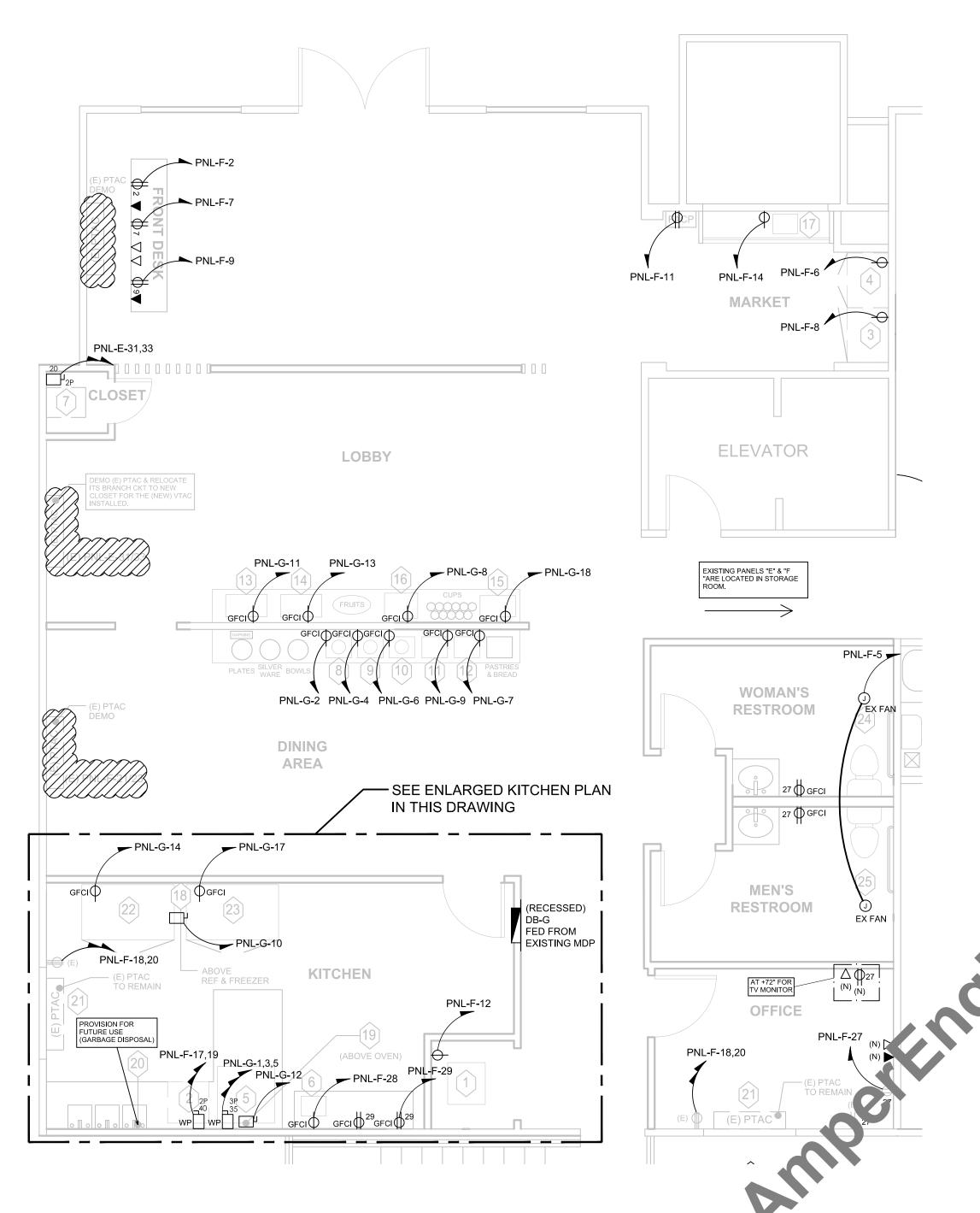
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DRAWING TITLE:
ELECTRICAL LIGHTING
PLAN

DRAWING NO:

E200

0



ELECTRICAL POWER PLAN

22. REACH-IN FREEZER

23. REACH-IN REFRIGERATOR

24. EXHAUST FAN ABOVE TOILET (WOMAN'S REST ROOM)

25. EXHAUST FAN ABOVE TOILET (MEN'S REST ROOM)

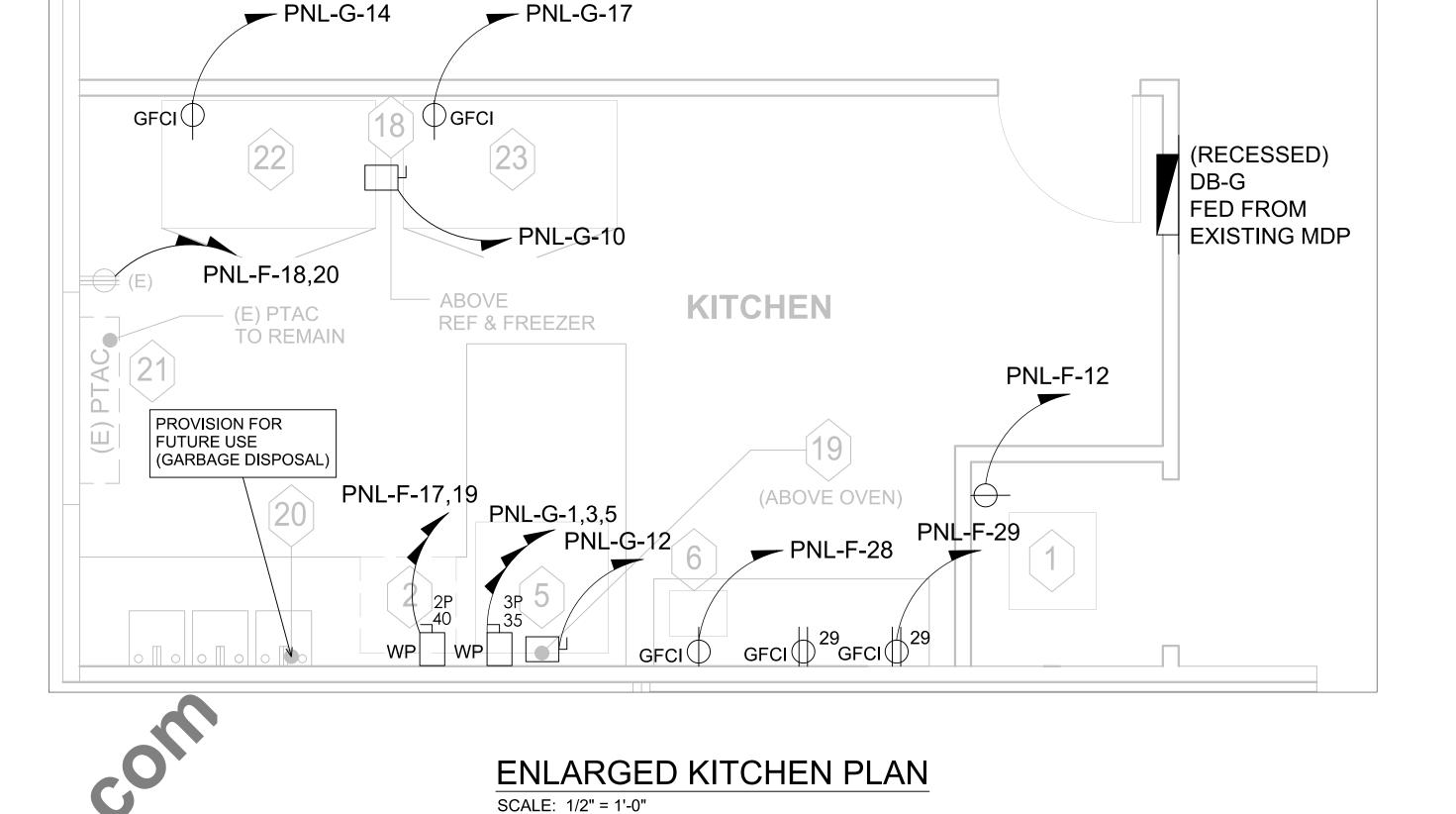
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SCALE: 1/4" = 1'-0"

EQUIPMENT LIST

1. ICE MACHINE MANITOWOC

- 2. UNDERCOUNTER DISHWASHER NOBLE 24" UH30-FND
- 3. UNDERCOUNTER FREEZER MERCHANDISER 1 DOOR 24" 4. UNDERCOUNTER REFRIGERATOR MERCHANDISER 2 DOOR 24"
- 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)

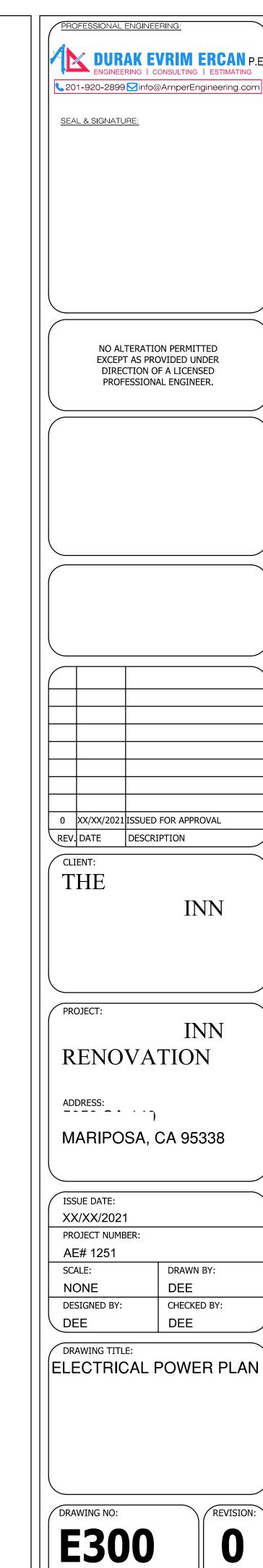


- PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF WIRING DEVICES WITH ARCHITECTURAL ELEVATIONS TO AVOID CONFLICTS WITH CASEWORK, COUNTERTOPS, DOOR SWINGS, ETC. WHERE CONFLICTS OCCUR, CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR RESOLUTION
- 2. WHERE NEW TO EXISTING CONNECTIONS 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

GENERAL ELECTRICAL 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.



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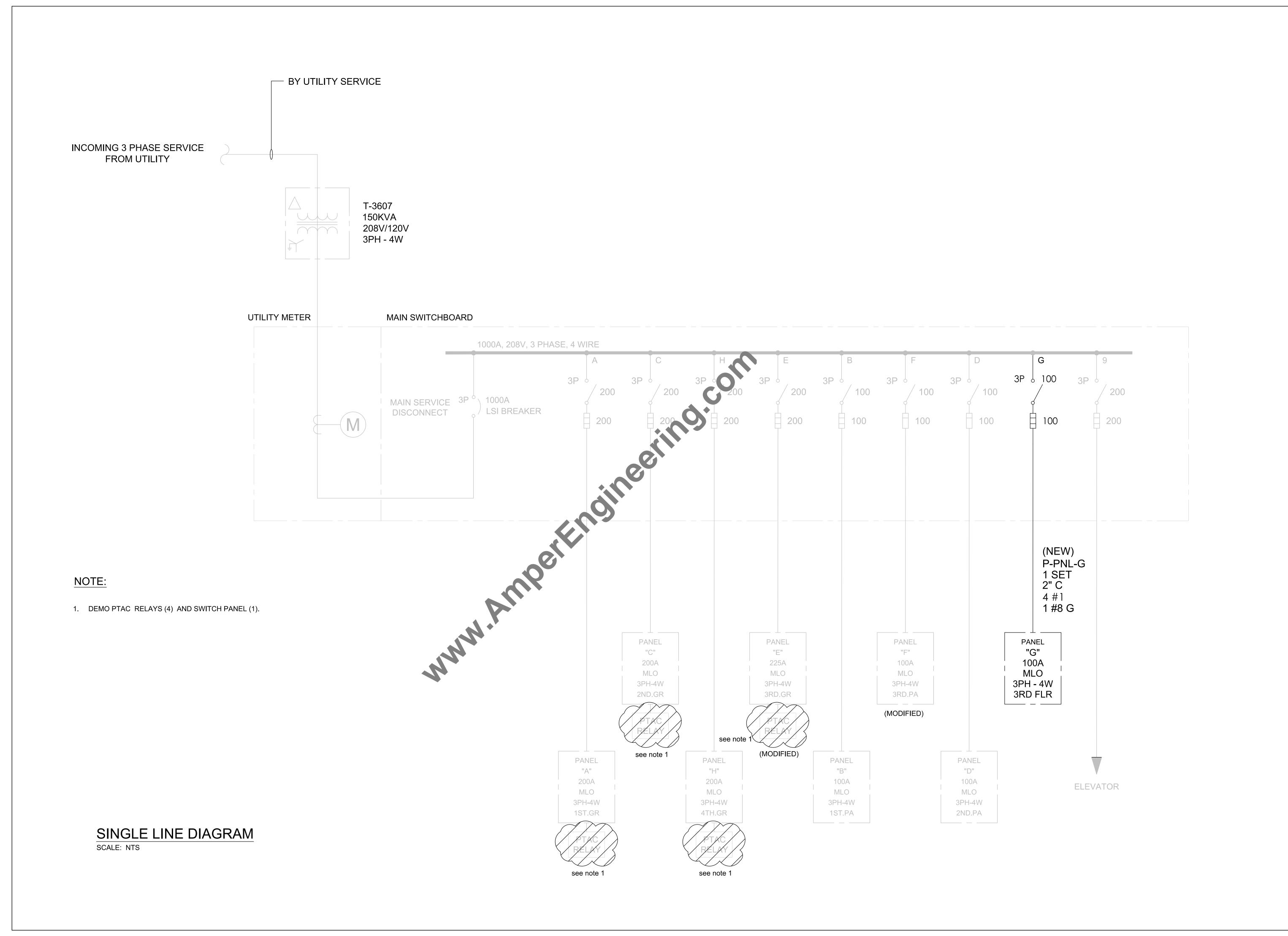
DRAWN BY:

CHECKED BY:

REVISION:

DEE

DEE



PROFESSIONAL ENGINEERING: DURAK EVRIM ERCAN P.E. ENGINEERING | CONSULTING | ESTIMATING \$\square\$201-920-2899 \square\$\square\$info@AmperEngineering.com 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 DRAWN BY: DEE NONE CHECKED BY: DESIGNED BY: DEE DEE DRAWING TITLE:

SINGLE LINE DIAGRAM

DRAWING NO:

E400

REVISION:

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

FED FROM: EXISTING MAIN SWITCHBOARD

- DEMO

- DEMO

	PANEL ID: EXISTING PANEL 'F'												
СКТ	LOAD	NO.	СВ	CONDUCTOR	CONDUCTOR	СВ	NO.	LOAD	СКТ				
NO:	DESCRIPTION	POLES	AMPS	ТҮРЕ	ТҮРЕ	AMPS	POLES	DESCRIPTION	NO:				
1	3RD FLOOR CORRIDOR LIGHTS	1	20	EXISTING	EXISTING	20	1	REGISTRATION DESK ¹	2				
3	EXIT STAIR LIGHTS	1	20	EXISTING	EXISTING	20	1	OFFICE OUTLETS ³	4				
5	HALL PLUGS & APT. BATH	1	20	EXISTING	EXISTING	20	1	COFFEE AND JUICE	6				
7	FRONT DESK COMPUTER ¹	1	20	EXISTING	EXISTING	20	1	COFFEE SERVICE	8				
9	REGISTRATION DESK 1	1	20	EXISTING	EXISTING	20	~ ~	COFFEE SERVICE	10				
11	FIRE ALARM PANEL 2	1	20	EXISTING	EXISTING ////////////////////////////////////	/2 0/		KITCHEN REFRIGERATOR////	12				
13	FIRE ALARM BELL	1	20	EXISTING		20		SPÁRÉ	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	Х	Х	x	20				
21/	APARTMENT LIVING RM PTAC	/2/	20/	existing/	EXISTING	20	2	APT. BEDROOM PTAC	22				
\23 _		ZX.		XLLS	X	Х	Х	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				

N	0	T	E	<u>S</u>	

1. CKTS # 2, 7 & 9 TO BE RELOCATED TO NEW DESK.

ENTER CABINET: TOP

2. FACP BRANCH CIRCUIT TO RELOCATED IN WALL MARKET AREA (FACP NEW LOCATION).

3. CKTS #4 DEMO WALL FOR LOBBY.

4. DEMO CKT# 17/19 AND CONNECT WITH NEW BRANCH CKT FOR DISHWASHER.

5. DEMO CKT# 21/23 AND MAKE IT SPARE CB.

6. CKT# 12 DEMO AND CONNECT WITH NEW BRANCH CKT FOR ICE MACHINE. 7. CKT# 30 FOR GARBAGE DISPOSAL IS FOR FUTURE USE.

8. SEE MODIFIED PANEL "F" IN THIS DRAWING.

_											
	MANUFACTURER:	;			BUS RA	ATING:	225	Α			
	TYPE/MODEL:	: PRL1			MAIN: MLO						
	MOUNTING	: SURFA	ACE		VOLTAGE: 208 /120V						
	ENCLOSURE	:			W	IRING:	3 PH	4W			
	LOCATION	: STORA	AGE RO	ОМ	FEEDE	R SIZE:	EXISTI	NG			
	TYPE	: BOLT-	·ON			AIC:		AIC			
	ENTER CABINET	: TOP			FED I	FROM:	EXISTI	NG MAIN SWITCHBOARD			
				PANEL ID: EX	ISTING PANEL 'E'						
СКТ	LOAD	NO.	СВ	CONDUCTOR	CONDUCTOR	СВ	NO.	LOAD	Cr		
NO:	DESCRIPTION	POLES	AMPS	ТҮРЕ	ТҮРЕ	AMPS	POLES	DESCRIPTION	__(0;		
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				BLANK	10		
11	ROOM 301 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 306 PTAC	12		
13	x	Х	X	x	x	Х		X	14		
15	ROOM 302 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 307 P1	16		
17	x	Х	Х	x	x	Х	Х	X	18		
19	ROOM 303 PTAC	2	20	EXISTING	EXISTING	20	2	ROOM 3 8 PTAC	20		
21	x	Х	X	x	x	X	Х	X	22		
23	ROOM 304 PTAC	2	20	EXISTING	existing////////////////////////////////////	'2 0 <i>'</i>	77	FYL, YSYRM PYAC	<u> </u>		
25	X	Х	X	x	*//////////////////////////////////////	/x/	/x		26 }		
27	ROOM 305 PTAC	2	20	EXISTING	EXISTING	20		ОРЯЎ PTAC RÍGHT	28		
29	x	Х	Х	x	X	X	11	×	30		
31	MANAGER'S OFFICE PTAC 1	2	20	EXISTING	ĮEŠĶŠTĮMIGŽ / / / / / / / / / / / / / / / / / / /	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		ĹŎĔŖŶŖŤĄČĿĔĔŢŶŶŶŶŶŶŶŶŶŶ	32)		
33	x	Х	Х	x	*////////////////////////////////////		x X /	<u> </u>	/34/		
35	BLANK			•				BLANK	36		
37	BLANK							BLANK	38		
39	BLANK							BLANK	40		
41	BLANK							BLANK	42		

NOTES:

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

	MANUFACTURER	, ,								BUS R	ATING:	100) A	
TYPE/MODEL: PRL1											MAIN:	MLC		
MOUNTING: SURFACE							(E) PAN	IEL-F		vo	LTAGE:	208	3 /120V	
	ENCLOSURE	•					(MODI			W	/IRING:	3 PH	1 4W	
	LOCATION	: STOR/	AGE RO	ОМ			•	•		FEEDE	R SIZE:	EXIST	ING	
	TYPE	: BOLT-	ON								AIC:		- AIC	
	ENTER CABINET	: ТОР								FED	FROM:	EXIST	ING MAIN SWITCHBOARD	
СКТ	LOAD	NO.	СВ	CONDUCTOR	LOAD	KV	'A PER PHA	\SE	LOAD	CONDUCTOR	СВ	NO.	LOAD	СКТ
NO:	DESCRIPTION	POLES	AMPS	ТҮРЕ	KVA	Α	В	С	KVA	ТҮРЕ	AMPS	POLES	S DESCRIPTION	NO
1	3RD FLOOR CORRIDOR LIGHTS	1	20	EXISTING	1.00	1.18		$\geq \leq$	0.18	EXISTING	20	1	FRONT DESK RECEPTACLE	2
3	EXIT STAIR LIGHTS	1	20	EXISTING	0.10		1.90	$\geq \leq$	1.80	EXISTING	20	1	CONVINIENCE OUTLETS (LOBBY)	4
5	(NEW) PUBLIC REST RM EXHAUST FANS	1	20	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	0.18	0.47		$\geq \leq$	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	0.18		0.18	$\geq \leq$	0.00		20	1	SPARE	10
11	FIRE ALARM PANEL	1	20	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	0.00	1.50		$\geq \leq$	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	0.00		1.30	$\geq \leq$	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	Х	X	3.87	5.53		$\geq \leq$	1.66	Х	Х	Х	X	20
21	DINING RECEPTION/ROOM LIGHTS	1	20	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	0.60		2.26	$\geq \leq$	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	Х	Х	Х		24
25	(NEW) PUBLIC REST RM/OFFICE LIGHTS	1	20	EXISTING	0.30	0.60		$\geq \leq$	0.30	EXISTING	20	1	KITCHEN LIGHTS	26
27	OFFICE & RR OUTLETS	1	20	EXISTING	0.72		2.22	$\geq \leq$	1.50	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	MICROWAVE (KITCHEN)	28
29	CONVINIENCE OUTLET (KITCHEN)	1	20	EXISTING	0.36			0.36	0.00		20	1	SPARE	30
						9.3	7.9	9.5						
				TOTAL CONNECTED LOAD KVA:	DAD KVA:	27								
				TOTAL CONNECTED AMPS:	:D AMPS:	74								

MANUFACTURER: BUS RATING: 225 A TYPE/MODEL: PRL1 MAIN: MLO MOUNTING: SURFACE VOLTAGE: 208 /120V WIRING: 3 PH 4W LOCATION: STORAGE ROOM FEEDER SIZE: EXISTING TYPE: BOLT-ON AIC: -- AIC FED FROM: EXISTING MAIN SWITCHBOARD ENTER CABINET: TOP PANEL ID: (E) PANEL 'E' (MODIFIED) CB NO.
AMPS POLES СКТ LOAD NO. CB CONDUCTOR CONDUCTOR СКТ POLES AMPS NO: DESCRIPTION DESCRIPTION 1 20 EXISTING 1 ROOM 306 OUTLETS 2 20 1 ROOM 312 LIGHTS & OUTLETS EXISTING 3 ROOM 307 OUTLETS 1 20 EXISTING 20 1 ROOM 311 LIGHTS & OUTLETS EXISTING 5 ROOM 308 OUTLETS 1 20 EXISTING EXISTING 20 1 ROOM 310 LIGHTS & OUTLETS 6 8 1 20 EXISTING 20 1 BREAKFAST OUTLETS 7 ROOM 309 OUTLETS EXISTING 9 ROOM 313 OUTLETS 1 20 EXISTING BLANK 10 11 ROOM 301 PTAC 2 20 EXISTING 20 2 ROOM 306 PTAC 12 EXISTING 14 13 X | x | x |x X 2 20 EXISTING 15 ROOM 302 PTAC EXISTING 20 2 ROOM 307 PTAC 16 17 X 18 | x | x |x 2 20 EXISTING 20 2 ROOM 308 PTAC 20 19 ROOM 303 PTAC EXISTING 22 24 26 28 30 21 X | x | x |x | x | x |x X 23 ROOM 304 PTAC 2 20 EXISTING 20 2 SPARE 25 X х х х | x | x |x 27 ROOM 305 PTAC 2 20 EXISTING 20 2 LOBBY PTAC RIGHT EXISTING 29 X x x x | x | x |x 32 31 (NEW) VTAC AMANA (CLOSET) 2 20 EXISTING 20 2 SPARE 34 33 X X X X 35 BLANK BLANK 36 38 40 37 BLANK BLANK 39 BLANK BLANK BLANK 42 41 BLANK

DEMAND LOAD KVA: JAD KVA: 30 DEMAND LOAD AMPS: \(\mathbb{D} \) AMPS: \(\mathbb{82} \)

PROFESSIONAL ENGINEERING DURAK EVRIM ERCAN P.E. ENGINEERING | CONSULTING | ESTIMATING \$201-920-2899 ☐info@AmperEngineering.com 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 THE

PROJECT: INN RENOVATION

INN

MARIPOSA, CA 95338

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

DEE

DRAWING TITLE: PANELBOARD SCHEDULES - SHEET 1

DEE

E401

REVISION:

MANUFACTURER:

TYPE/MODEL:

MOUNTING: SURFACE

ENCLOSURE:

LOCATION:

ENTER CABINET: TOP

TYPE: BOLT-ON

PANEL ID: (NEW) PANEL-G

BUS RATING: 100 A

MAIN: MLO

VOLTAGE: 208 /120V

WIRING: 3 PH 4W

FEEDER SIZE: (NEW) 2"C (4) #1 AWG CU & (1) #8 EGC
AIC: XX AIC
FED FROM: EXISTING MAIN SWITCHBOARD

CICT	1040	Luc		COMPLICTOR	LOSS	10.0	4 DED DIII	CE	1040	COMPLICTOR	T 60	NO	LOAD	Тас
СКТ	LOAD	NO.	СВ	CONDUCTOR	LOAD	KV.	A PER PHA	ISE	LOAD	CONDUCTOR	СВ	NO.	LOAD	СКТ
NO:	DESCRIPTION	POLES	AMPS	ТҮРЕ	KVA	Α	В	С	KVA	TYPE	AMPS	POLES	DESCRIPTION	NO:
1	COMBI OVEN (iCombi Pro 6-half size E/G)	3	35	(NEW) 1"C (3)#8 AWG CU & (1)#10 EGC	3.60	5.40		$\geq \leq$	1.80	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	INDUCTION COOKER 1	2
3	x	Х	X	x	3.60		5.40	$\geq <$	1.80	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	INDUCTION COOKER 2	4
5	x	Х	Х	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		$\geq <$	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	$\geq <$	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	\searrow	$\geq <$	1.32	(NEW) 3/4"C (2)#12 AWG CU & (1)#12 EGC	20	1	REACHIN-IN FREEZER	14
15	SPARE	1	20		0.00		0.00	$\geq <$	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		$\geq <$	0.00				BLANK	20
21	BLANK				0.00		0.00	$\geq <$	0.00				BLANK	22
23	BLANK				0.00			0.00	0.00				BLANK	24
25	BLANK				0.00	0.00	\nearrow	$\geq <$	0.00				BLANK	26
27	BLANK				0.00		0.00	$\geq <$	0.00				BLANK	28
29	BLANK				0.00			0.00	0.00				BLANK	30
31	BLANK				0.00	0.00	\nearrow	$\geq <$	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		$\geq \leq$	0.00				BLANK	38
39	BLANK				0.00		0.00	$\geq \leq$	0.00				BLANK	40
41	BLANK				0.00			0.00	0.00				BLANK	42

8.6 7.2 7.6

TOTAL CONNECTED LOAD KVA: 23
TOTAL CONNECTED AMPS: 65

DEMAND LOAD KVA: **24**DEMAND LOAD AMPS: **66**

NOTE:

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

PROFESSIONAL ENGINEERING:

DURAK EVRIM ERCAN P.E.

ENGINEERING | CONSULTING | ESTIMATING

201-920-2899 ☑ info@AmperEngineering.com

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

INN

||| THE

PROJECT:
INN
RENOVATION

ADDRESS:

MARIPOSA, CA 95338

ISSUE DATE:

XX/XX/2021

PROJECT NUMBER:

AE# 1251

SCALE: DRAWN BY:

NONE DEE

DESIGNED BY: CHECKED BY:

DEE

DEE

DRAWING TITLE:
PANELBOARD
SCHEDULES - SHEET 2

DRAWING NO:

E402

0