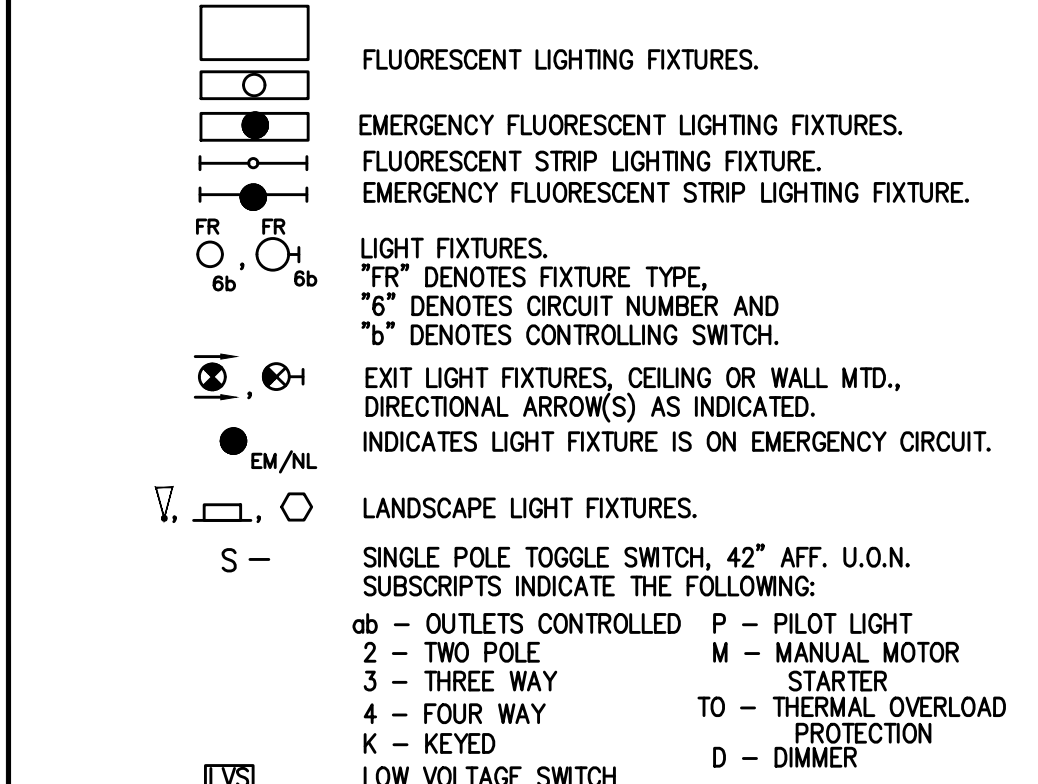
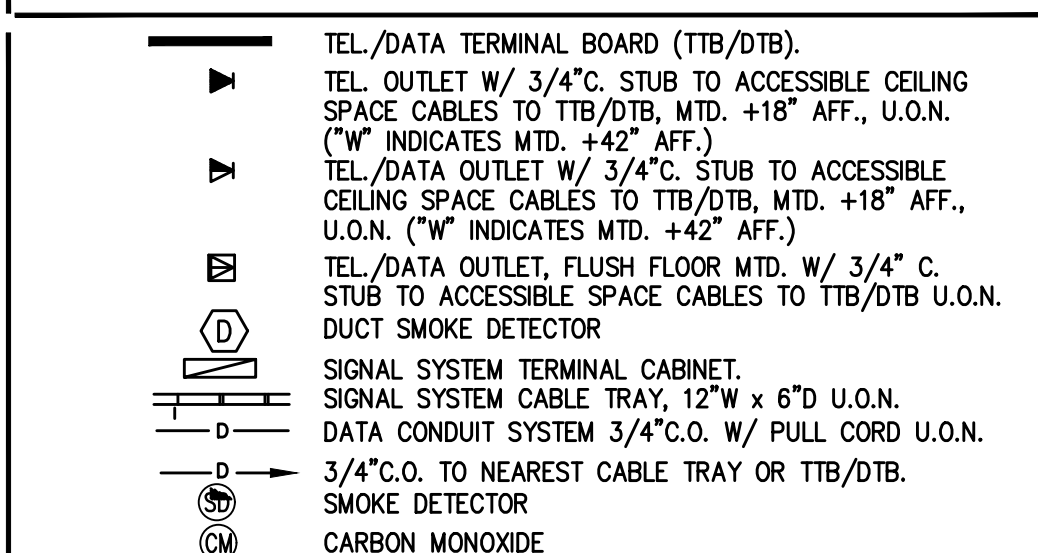


LIGHTING

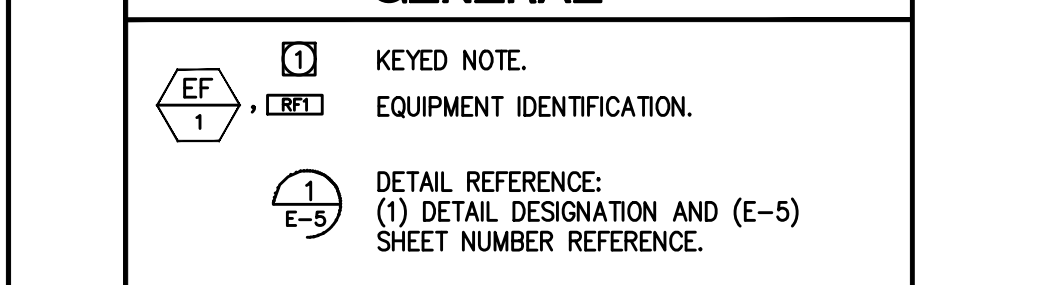
ABBREVIATIONS



SIGNAL



GENERAL



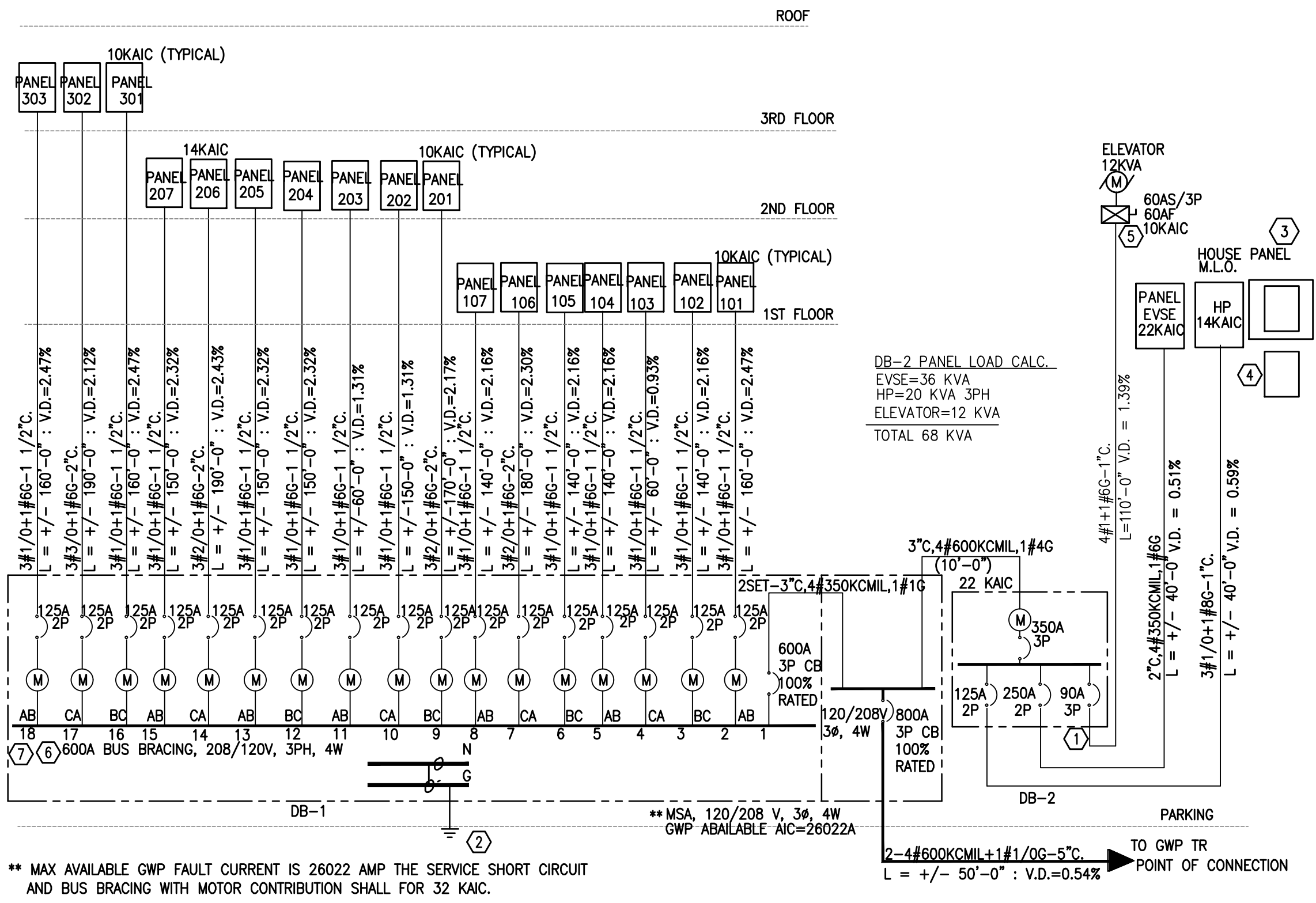
DRAWING INDEX

E0.0	ELECTRICAL LEGEND, SYMBOL LIST, GENERAL NOTES	NONE
E0.1	SINGLE-LINE DIAGRAM AND DETAILS	
E0.1	PANELS AND LIGHT FIXTURES SCHEDULES	NONE
E0.2	SITE PLAN	1/4"=1'-0"
E2.1	PARKING PLAN	1/4"=1'-0"
E2.2	FIRST FLOOR PLAN	1/4"=1'-0"
E2.3	SECOND FLOOR PLAN	1/4"=1'-0"
E2.4	THIRD FLOOR PLAN	1/4"=1'-0"
E2.5	ROOF FLOOR PLAN	1/4"=1'-0"
E3.1	TITLE 24	NONE

1. ALL MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE CALIFORNIA CODE CEC 2021 OF REGULATIONS (CCR), NATIONAL ELECTRICAL CODE NEC 2020 EDITION AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
2. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS IN COMPLIANCE WITH UL REQUIREMENTS TO ACCOMMODATE CONDUCTORS SHOWN.
3. WHERE MERE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL LABORATORY EQUIPMENT, MECHANICAL, PLUMBING AND ALL OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS PRIOR TO ANY WORK.
5. CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, SWITCHES, ETC. AND MAKE FINAL CONNECTIONS AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
6. ALL MOUNTING HEIGHTS SHOWN ARE TO CENTER LINE OF OUTLET OR DEVICE AND SHALL APPLY UNLESS INDICATED OTHERWISE.
7. DRAWING ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEM WORK INCLUDING, FOLLOWING DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND MINIMUM CODE REQUIRED WORKING CLEARANCES AT ALL TIMES.
8. LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOORS, INSTALL SWITCHES WIDE OPPOSITE THE DOOR HINGES. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.
9. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR SWITCHES, STROBE/HORNS, STROBES, FIRE ALARM PULL STATIONS, RECEPTABLES ETC. WITH TACK BOARDS, CABINETS, FURNITURE, EQUIPMENT ETC. TO AVOID CONFLICT.
10. WHERE ELECTRIC MOTORS OR EQUIPMENT ARE INSTALLED IN HUNG CEILING, PROVIDE DISCONNECT SWITCH IN HUNG CEILING WITHIN REACH FROM ACCESS POINT.
11. PROVIDE APPROVED EXPANSION FITTINGS WHERE RACEWAY CROSSES BUILDING EXPANSION JOINTS.
12. PROVIDE FISH WIRE IN EACH RACEWAY RUN OVER 10 FEET IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.
13. NOT MORE THAN ONE CONDUIT FOLLOWING THROUGH ANY CONDUIT CIRCUITS ARE PERMITTED IN ONE CONDUIT. PROVIDE SEPARATE CONDUIT FOR EACH HOMERUN INDICATED ON THE DRAWING, UNLESS OTHERWISE INDICATED.
14. SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATION FOR ALL BUILDING CONNECTOR, VALVES, STATS, RELAYS, AND PIPING, PUMPS, AND TRANSFORMERS, 120V FOR CONTROL SYSTEM, EP AND PE SWITCHES, TIME CLOCK, VALVES, STATS, RELAYS, DUST SMOKE DETECTOR LOCATION, ETC. INDICATED ON CONTROL WIRING DIAGRAMS. CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS WITH DIVISION 15 PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY WIRING, DEVICES AND CONNECTIONS AS REQUIRED.
15. ALL EXTERIOR ELECTRIC DEVICES AND EQUIPMENT EXPOSED TO OUTSIDE ENVIRONMENT SHALL BE WEATHERPROOF TYPE, NEMA 3R.
16. LIGHTING, PHONE, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK TO BACK. FOR FIRE RATED WALL SHALL BE SEPARATED MIN. 24" AND 18" ON NON-RATED WALL.
17. NO CONDUIT RUNS WILL BE ALLOWED IN CONCRETE SLAB. ALL CONDUITS WILL BE RUN IN THE HUNG CEILING UNLESS SPECIFICALLY INDICATED.
18. PROVIDE PULLBOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT. PULLBOXES SHALL BE ACCESSIBLE. THE SIZE OF PULLBOX SHALL COMPLY WITH REQUIREMENTS.
19. OUTLET BOXES FOR FIXTURES RECESSED IN HUNG CEILING SHALL BE ACCESSIBLE THROUGH OPENING OPERATED BY REMOVAL OF FIXTURES.
20. WHERE MORE THAN ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE WALL MOUNTED PLATES. THE PLATE SHALL BE (3) INCHES WIDE. IT SHALL BE LABELED TO INDICATE THE LIGHT FIXTURES CONTROLLED. SWITCH(ES) CONTROLLING LIGHTS IN EMERGENCY CIRCUIT SHALL BE IN A SEPARATE BOX OR GANG BOXES UNDER THE SAME COVER PLATE AS THE OTHER SWITCHES.
21. a. RACEWAY CONCEAL IN WALLS OR CEILING SHALL BE ROMEX FOR APARTMENT OR EMT. b. RACEWAY UNDER SLAB SHALL BE PVC SCHEDULE 40, c. EXPOSED RACEWAY SUBJECT TO CHAIRS SHALL BE RIGID STEEL CONDUIT, d. MC CABLES ARE ACCEPTABLE EXCEPT HOME RUNS SHALL BE EMT.
22. ALL ELECTRIC MATERIAL SHALL BE LISTED BY "UL" FOR THE TYPE OF APPLICATION AND "UL" LABEL SHALL APPEAR ON ALL ELECTRICAL EQUIPMENT.
23. PROVIDE GROUNDING CONDUCTOR IN EACH RACEWAY INCLUDING CONDUITS, PLUG STRIPS, ETC. SIZE OF GROUNDING CONDUCTOR SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE ARTICLE 250-95.
24. ALL EXTERIOR RECEPTABLES SHALL BE GFI TYPE AND ENCLOSED IN WEATHERPROOF BOX WITH WEATHERPROOF COVER.
25. ALL CIRCUIT BREAKER UTILIZED FOR HVAC EQUIPMENT SHALL BE UL LISTED AS HACR (HEATING AIR CONDITIONING AND REFRIGERATION).

ABBREVIATIONS

A, AMP AMPERE
ADA AMERICAN DISABILITIES ACT
AF AMP, FUSE
AFCI ARC FAULT CIRCUIT INTERRUPTION
AFF ABOVE FINISHED FLOOR
AIC AMPERE INTERRUPTING CAPACITY
AS AMP. SWITCH
AT AMP. TRIP
ATS AUTOMATIC TRANSFER SWITCH
C CONDUIT
CB CIRCUIT BREAKER
CKT CIRCUIT
C.O. CONDUIT ONLY
CT CURRENT TRANSFORMER
CU COPPER
DB DISTRIBUTION BOARD
DN DOWN
DW DRAWING
EA EACH
ELEC ELECTRICAL
E, EM EMERGENCY
EQ EQUIPMENT
EX EXISTING
FLUOR FLUORESCENT
FVNR FULL VOLTAGE NON-REVERSING
F FUSED
FA FIRE ALARM
FM FM ANTENNA SYSTEM
IG ISOLATED GROUND
G, GND GROUND
GEN GENERATOR
GFCI GROUND FAULT CIRCUIT INTERRUPTER
GFI GROUND-FAULT INTERRUPTER
HOA HAND-OFF-AUTOMATIC
HP HORSE-POWER
HV HIGH VOLTAGE
HVAC HEATING VENTILATION AND AIR CONDITIONING
INV. INVERTER
Isc RM SHORT CIRCUIT CURRENT
JB JUNCTION BOX
KV KILO VOLT
KVA KILO VOLT-AMPERE
KW KILO WATT
LE LABORATORY EQUIPMENT
LMS LABORATORY MONITORING SYSTEM
LTG LIGHTING
LTS LIGHTS
LV LOW VOLTAGE
MAX MAXIMUM
MCC MOTOR CONTROL CENTER
MFG MANUFACTURER
MIN MINIMUM
MSB MAIN SWITCHBOARD
MTD MOUNTED
NEC NATIONAL ELECTRICAL CODE
NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N NEUTRAL
N/A NOT APPLICABLE
NIC NOT IN CONTRACT
NO. # NUMBER
NTS NOT TO SCALE
PB PULLBOX
PH, ϕ PHASE
PNL PANEL
PVC POLYVINYL CHLORIDE
PWR POWER
RECEPT RECEPTACLE
RM ROOM
S/C SINGLE CORD
SHT SHEET
Sm MOTOR RATED SWITCH WITH "OL" SPECIFICATIONS
SPEC SWITCH
SWBD SWITCHBOARD
T/C TIME CLOCK
TEL TERMINAL CABINET
TEL TELEPHONE
TIB TELEPHONE TERMINAL BOARD
TTC TELEPHONE TERMINAL CABINET
TYP TYPICAL



SINGLE LINE DIAGRAM "MSA"

SCALE: NONE SWITCHBOARD INSIDE

GENERAL NOTES:

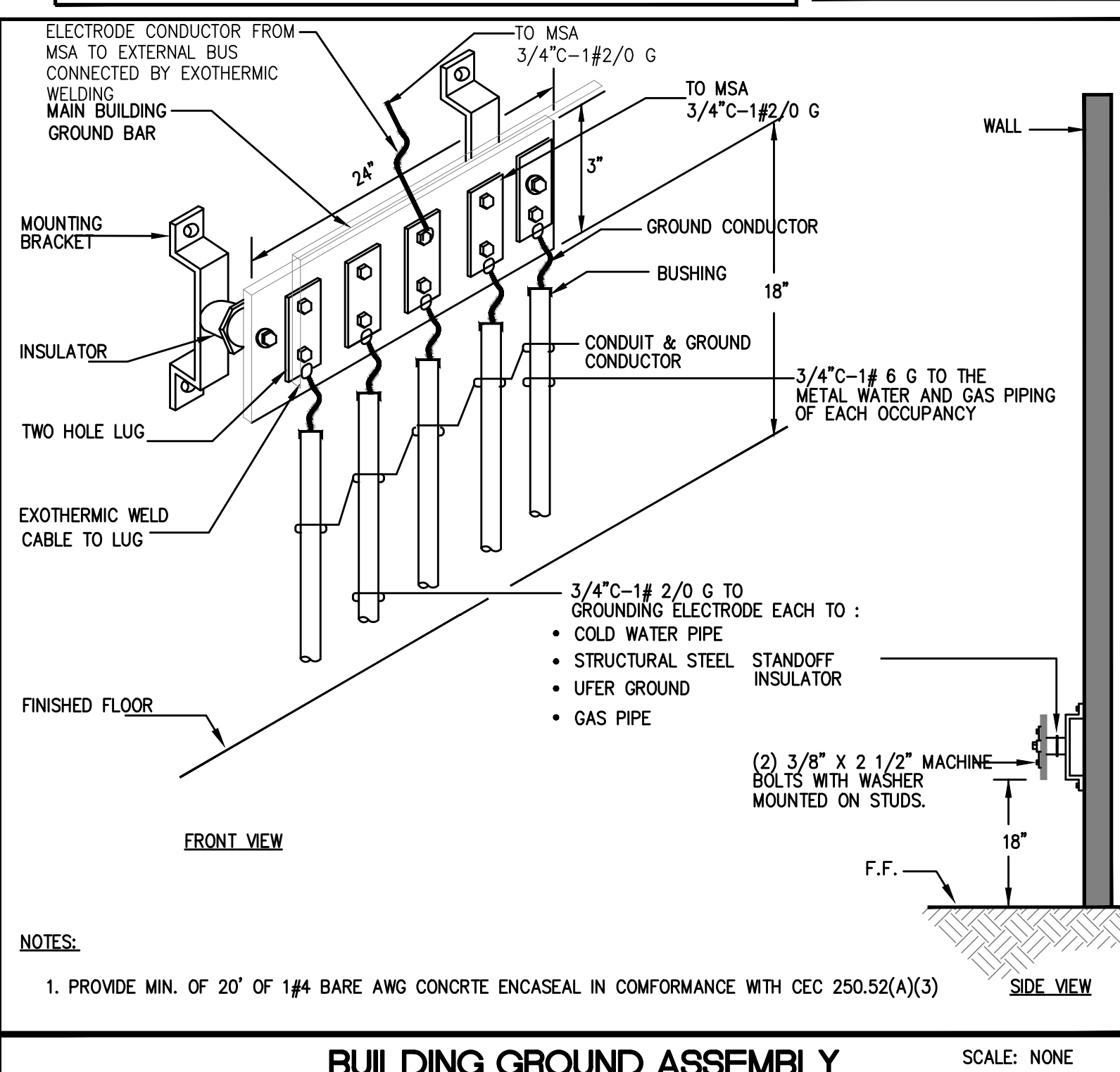
- A. ALL SERVICE ENTRANCE CONDUITS SHALL BE PVC SCH. 40. (U.O.N.) CONCRETE ENCASED WITHIN. OF 3" ENVELOPE.
- B. VERTICAL & HORIZONTAL SEPARATION BETWEEN CONDUITS SHALL BE A MIN. OF 2".
- C. ALL CONDUITS SHOWN RUN IN BUILDING SPACE SHALL BE RSC (PVC COATED) CONCRETE ENCASED EXTENDING 5'-0" OUTSIDE THE BUILDING.
- D. CONTRACTOR SHALL ARRANGE THE CONDUIT AS PER TERRAIN, SOIL & EXISTING UTILITY CONDITIONS.
- E. SEAL ALL CONDUIT OPENING'S (INCLUDING BUILDING ENTRANCE) TO PREVENT MOISTURE FROM ENTERING.
- F. FINAL SHORT CIRCUIT REPORT FROM SLG & E WILL DISTRIBUTION DETERMINE THE SHORT CIRCUIT RATING OF ALL CIRCUIT BREAKERS. BRACE ALL BOARDS AND PANELBOARDS EQUAL TO OR GREATER THAN THE AVAILABLE FAULT.
- G. EACH SERVICE DISCONNECT IS TO BE PERMANENTLY MARKED TO IDENTIFY IT AS SERVICE DISCONNECT AND THE LOCATION IT SERVED. CEC 110.22
- H. SWITCHBOARDS, PANEL BOARD, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTER ARE TO BE PERMANENTLY MARKED AND VISIBLE TO WARN QUALIFIED PEOPLE OF POTENTIAL ELECTRIC FLASH HAZARDS. CEC 110.16.
- I. PROVIDE A LABEL OF "EY CAPABLE" POSTED IN A CONSPICUOUS PLACE AT THE SERVICE POINT AND NEXT TO THE RACEWAY TERMINATION POINT.

NOTES:

- ① SHUNT TRIP CIRCUIT BREAKER WITH INTEGRAL POWER CONTROL. ELEVATOR CIRCUIT BREAKER SHALL BE TRIPPED VIA ASSOCIATED SPRINKLER SYSTEM FIRE ALARM RELAY SUCH THAT ELEVATOR POWER WILL BE SHUT OFF PRIOR TO APPLICATION OF WATER TO THE ELEVATOR MACHINE ROOM.
- ② 3/4" C-1#1/0 G TO BUILDING STEEL, METAL COLD WATER PIPE WITHIN 5' OF THE BUILDING AND 3/4"x10' GROUND ROD SEE DETAIL BUILDING GROUND ASSEMBLY ON THIS SHEET
- ③ IRRIGATION CONTROL PANEL
- ④ 24-HR TIME CLOCK, ASTRONOMICAL TYPE.
- ⑤ PROVIDE PER MANUFACTURER RECOMMENDATION.
- ⑥ FAULT DUPLY CONTRIBUTION FROM LADWP. MOTOR CONTRIBUTION IS 184 A.
- ⑦ AIC RATING AND BUS BRACING MSA INCLUDING MOTOR CONTRIBUTION, OF 32KAIC (46AX4).

SINGLE LINE DIAGRAM GENERAL NOTES

1. UNLESS OTHERWISE NOTED ALL FUSES FOR THE PROTECTION OF MOTOR CIRCUITS SHALL BE DUAL-ELEMENT (TIME DELAY) CLASS RK5 EQUAL TO BUSS FNN-R FUSESTION FUSES.
2. NOTIFY SWITCHBOARD, DISTRIBUTION BOARD AND PANELBOARDS MANUFACTURER OF FEEDER TERMINATIONS (TOP OR BOTTOM) PRIOR TO SUBMITTING SHOP DRAWINGS.
3. PROVIDE A METALLIC CARD HOLDER ON INSIDE OF DOOR OF EACH PANELBOARD FOR INDEX CARDS. AN ACCURATE TYPEWRITTEN INDEX SCHEDULE SHALL BE PUT BEHIND HEAVY PLATE COVER. CODE TO EACH PANEL ROOM NUMBERS SHALL NOT BE THE ONES ON THE PLANS BUT THE ONES DESIGNATED BY THE ARCHITECT AND/OR OWNER.
4. PROVIDE TWO (2) KEYS WITH EACH PANELBOARD. ALL PANELBOARD LOOKS SHALL BE KEYSID ALIKE.
5. UNLESS OTHERWISE NOTED, ALL CIRCUIT BREAKERS IN PANELBOARDS SHALL BE OF THE BOLT-ON TYPE AND SHALL HAVE 10,000 A.I.C. MIN. SEE NOTE #13.
6. PROVIDE CIRCUIT BREAKER HANDLE LOCK-ON DEVICES IN PANELBOARDS, AS INDICATED ON DRAWINGS.
7. SPACES IN PANELBOARDS SHALL HAVE BUS BARS DRILLED AND TAPED, READY TO RECEIVE BREAKERS.
8. PROVIDE BLACK ON WHITE LAMINATED PLASTIC NAMEPLATE ENGRAVED IN MINIMUM 1/4" HIGH LETTERS. ATTACH NAMEPLATES TO EQUIPMENT, SWITCHBOARD(S), DISTRIBUTION BOARD(S), PANELBOARDS, CABINETS, DISCONNECTS AND OTHER CONTROL COMPONENTS ETC. WITH RIVETS, BOLTS OR SHEET METAL SCREWS. GEMENTED ATTACHMENTS ARE NOT ACCEPTABLE.
9. ALL CONDUCTORS SHALL BE "THINN" COPPER UNLESS OTHERWISE NOTED.
10. ALL FEEDER LENGTHS SHOWN ARE FOR VOLTAGE DROP CALCULATIONS ONLY. ELECTRICAL CONTRACTOR SHALL DETERMINE EXACT FEEDER LENGTH FOR HIS BID.
11. ALL DISCONNECT SWITCHES SHALL BE U.L. LISTED FOR USE WITH THE CORRESPONDING SPECIFIED FUSES.
12. ALL ELECTRICAL EQUIPMENT INCLUDED UNDER THIS SECTION OF THE SCHEDULE SHALL BE U.L. LISTED AND LOCAL BUILDING DEPARTMENT APPROVED.
13. ALL CIRCUIT BREAKERS USED TO SWITCH LIGHT FIXTURES SHALL BE APPROVED FOR THE PURPOSE AND MARKED "SWD".
14. ELECTRICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE LOADS ON THE PANELS.
15. FEEDER LENGTH SHOWN IS FOR VOLTAGE DROP CALCULATION ONLY. NOT FOR CONSTRUCTION OR OTHER PURPOSES.
16. ALL TERMINATIONS AND ENCLOSURES SHALL BE RATED FOR USE WITH 75 DEGREE C CONDUCTORS
17. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED AS MINIMUM EQUAL OR HIGHER FROM SHORT CROUT NOTED.
18. ELECTRICAL CONTRACTOR SHALL PROVIDE LABEL SERVICE DISCONNECT ---- OF FEEDER OVERCURRENT DEVICES SHALL BE IDENTIFIED " SERVICE DISCONNECTING MEANS OF "
20. BOAND ALL METALLIC PIPING OF THE BUILDING.



MAIN SWITCHBOARD "MSA" DETAIL

NOT TO SCALE

1. CONTRACTOR SHALL PROVIDE SERVICE RATED SWITCHBOARD "MSA" IN CONFORMANCE WITH DWP REQUIREMENTS SUBMIT ACCORDINGLY.
2. SERIES RATED BREAKER ARE NOT ACCEPTABLE.

SCOPE OF WORK

- 1-PROVIDE NEW 17 APARTMENTS BUILDING, FIVE STORY OVER ON FIRST FLOOR PARKING WITH VENTILATION
2-PROVIDE 800 AMP, 208/120 VOLT, 3PH, 4 WIRE SERVICE FOR BUILDING.
3-PROVIDE LIGHTING AND POWER FOR EACH APARTMENT AND PARKING AS WELL AND SPLIT A/C UNITS.

SERVICE LOAD CALCULATION 528 HAZEL ST., LA										
UNIT TYPE	3 BED	3 BED	3 BED	3 BED	3 BED	3 BED	2 BED	K	Total	Total VA
NUMBER OF TYPICAL UNITS	3	2	2	2	3	2	3		17	
SQUARE FOOTAGE	1161	1162	1256	1196	1274	1211	1006			
LIGHTING @ 3W/SF	3483	3486	3768	3588	3822	3633	3018			59919
2-LAUNDRY CIRCUITS	5000	5000	5000	5000	5000	5000	5000			85000
2-SMALL APPLIANCE CIRCUITS	3000	3000	3000	3000	3000	3000	3000			51000
SUB-TOTAL	11483	11486	11768	11588	11822	11633	11018			195919
APPLICATION OF DEMAND FACTOR										
1ST. 3000 VA @ 100%	3000	3000	3000	3000	3000	3000	3000			
REMAINDER @ 35%	2969	2970	3069	3006	3088	3022	2806			
NET COMPUTED LOAD W/O HVAC	5969	5970	6069	6006	6088	6022	5806			
FIXED APPLIANCE LOAD										
DISHWASHER	750	750	750	750	750	750	750			55250
REFRIGERATOR	1000	1000	1000	1000	1000	1000	1000			
MICROWAVE	750	750	750	750	750	750	750			
GARBAGE DISPOSER	750	750	750	750	750	750	750			
SUB-TOTAL	3250	3250	3250	3250	3250	3250	3250			
NET DEMAND @ 100%	3250	3250	3250	3250	3250	3250	3250			
PLUS OTHER LOADS @ 100%										
HEAT PUMP UNIT	4200	4200	4200	4200	4200	4200	4200			71400
FAN COIL UNIT	500	500	500	500	500	500	500			8500
ELEC. RANGE FOR OPTIONAL CALCULATION SERVICE LOAD	8000	8000	8000	8000	8000	8000	8000			136000
NET COMPUTED LOAD PER UNIT TYPE	21919	21920	22019	21956	22038	21972	21756			467069
FEEDER AMPS @ 208, 1-PH	105	105	106	106	106	106	105			
MAIN CIRCUIT BREAKER	125	125	125	125	125	125	125			
OPTIONAL CALCULATION - TABLE 220.84 - 17 UNITS @39%										
										467069
										0.39
NET DEMAND LOAD (VA)										182157
HOUSE - ELEVATOR , Car charger										68000
LARGEST MOTOR 40HP @ 25% (VA)										7500
TOTAL SERVICE DEMAND LOAD (VA)										257657
NET DEMAND AMP. @ 120/208, 3PH										716
RECOMMENDED SERVICE 120/208V, 3PH,4WIRE										800

[illegible]

FIRE ALARM + LIFE SAFETY NOTES

1. FIRE ALARM AND LIFE SAFETY SYSTEM SHALL BE A DESIGN BUILT.
2. UNLESS INDICATED ON PLANS ALL BASE BUILDING DEVICES IN ELEVATOR LOBBIES AND ELEVATOR AREAS, SUCH AS ELEVATOR CALL BUTTONS, FIREMAN'S PHONE JACK, FIRE ALARM STATIONS, SMOKE DETECTORS, MAGNETIC DOOR RELEASES, LIFE SAFETY SPEAKERS AND RECEPTACLES ARE EXISTING TO REMAIN.
3. ALL FIRE ALARM AND LIFE SAFETY DEVICES INCLUDING STROBES SHALL BE CONNECTED TO THE BUILDING LIFE SAFETY SYSTEM. THE ENTIRE INSTALLATION INCLUDING MATERIALS AND EQUIPMENT SHALL BE COMPATIBLE WITH THE ALL REQUIREMENTS.
4. CONTRACTOR SHALL INSTALL THE FLS SYSTEM ONLY AFTER THE APPROVAL FROM THE CITY IS OBTAINED.
5. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL AND CITY CODES, AND APPLICABLE "NFPA" STANDARDS.
6. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE ENFORCING AGENCY.
7. COORDINATE THE LOCATION OF ALL DEVICES WITH ARCHITECT AND BUILDING OWNER.

10" MIN. DIAMETER STANDPIPE
GROUND LEVEL

EXHAUST DUCT

PULLING EYE ASSEMBLY
CEILING MOUNTED

1-4" PRIMARY CONCRETE SLAB

THERMOSTAT
LIGHT SWITCH
CONV. OUTLET

8'-0" MINIMUM
7'-0"

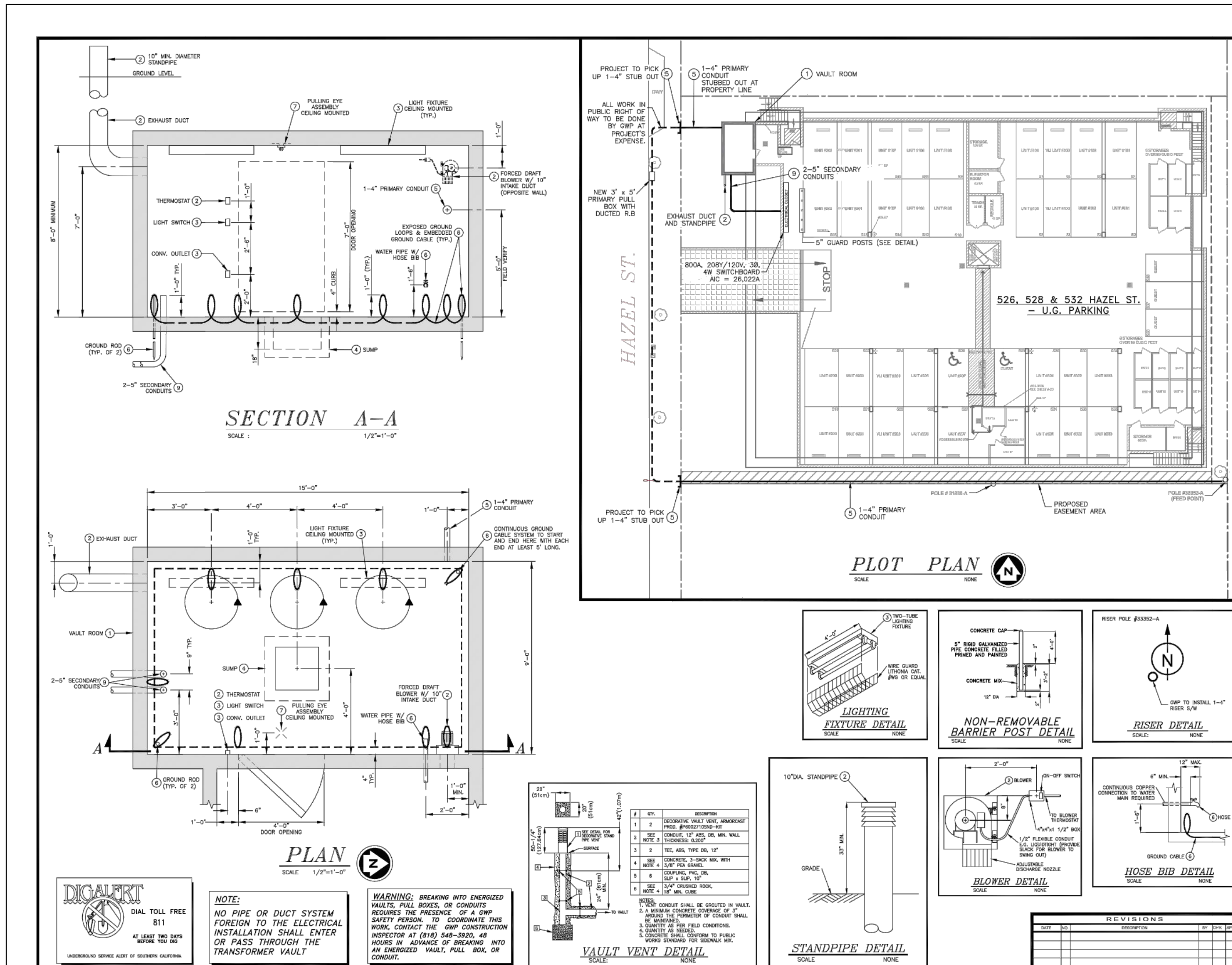
1'-0"
2'-0" MIN
1'-0"

DOOR OPENING
2'-0" MIN. HEIGHT
1'-0" MIN. WIDTH

1/2" DIA. WATER PIPE
HORIZONTAL

[illegible]

NOTES: REFER TO ARCHITECTURAL PLANS FOR EXIT SIGN REQUIRED NUMBER OF FACES AND DIRECTIONAL ARROWS. FIXTURES SHALL BE U.L. LISTED OR LABELED AND INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING. VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR OR CEILING CONTRACTOR. PROVIDE FIXTURES WHICH ARE COMPATIBLE WITH THE CEILING SYSTEM AND INCLUDE ALL REQUIRED MOUNTING ACCESSORIES AND HARDWARE. SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM THE SUSPENDED CEILING. PROVIDE FLUORESCENT LIGHT FIXTURES WITH ELECTRONIC BALLAST OF 10% OR LESS TOTAL HARMONIC DISTORTION. BALLAST SHALL BE WIRED PARALLEL SO THAT WHEN ONE LAMP IS OUT OTHERS ARE STILL WORKING. HIGH EFFICIENCY LIGHTING THROUGHOUT THE BUILDING. FLUORESCENT LAMPS TO BE BY SYLVANIA OR GENERAL ELECTRIC ONLY. THIS SCHEDULE IS A PRELIMINARY SCHEDULE. VERIFY WITH THE ARCH AND OWNER FOR FINAL SELECTIONS WITH HIGH EFFICIENCY LIGHTING THROUGHOUT THE BUILDING.

[illegible]

- [illegible]

REVISES				DES: PM		CUSTOMER REQUEST	
DATE	BY	DESCRIPTION	BY	DATE	CHK	TRANSFORMER VAULT ROOM	
						526, 528 & 532 HAZEL ST. 17 - UNITS APARTMENTS	
APPROVED:						526, 528 & 532 HAZEL ST. 17 - UNITS APARTMENTS	
							
BRIAN E. JOHNSON, ENGINEER							
SCALE: AS NOTED						526, 528 & 532 HAZEL ST. 17 - UNITS APARTMENTS	
DATE: 2/27/2023							

STREET

50'

G

HAZEL

472.12FL
472.68TX
472.07FL

472.30TX
471.76FL

471.88FL

471.84FL

472.25TX
471.75FL
471.52

472.27TX
471.63FL

471.71FL

471.76FL

472.31TX
471.69FL

472.21TC
471.60FL
471.74EG

DWY

N48°46'01"W

472.58

472.20'

475.00'

472.70

472.59

472.63

472.22

169.36'

120.03'

N41°12'00"E

ELEVATOR NOTES

- SEE SINGLE LINE DIAGRAM SHEET E0.1 FOR FEEDER SIZE AND DETAIL. VERIFY ALL THE REQUIREMENTS OF ELEVATORS WITH THE MANUFACTURERE.
- PROVIDE SMOKE AND HEAT DETECTOR FOR ELEV. MACHINE RMS. & PROVIDE LOCKABLE TYPE DISC. SW. FOR CAR LIGHT.
- PROVIDE A SEPARATE BRANCH CIRCUIT FOR THE CAR LIGHTS, RECEPTACLE(S), AUXILIARY LIGHTING POWER SOURCE.

ELECTRIC VEHICLE CHARGING STATION CALCULATION

TOTAL PARKING SPACE = 38
TOTAL EVCS SPACE = 6
% PARKING SPACE = $\frac{6}{38}$
= 6%

KEY NOTES:

- PROVIDE AN UNSWITCHED HOT LEG TO ALL EMERGENCY FIXTURES (TYPICAL).

SPECIFIC NOTES:

- ELECTRICAL ROOM DOOR SHALL EQUIPPED WITH PANIC HARDWARE.
- JUNCTION BOX FOR CONNECTION TO FUTURE ELECTRIC VEHICLE CHARGING STATION.
- PROVIDE CIRCUIT BREAKER HANDLE CLIPS AS REQUIRED FOR MULTIPLE HOTS WITH COMMON NEUTRAL : (2) HOTS, (1) NEUTRAL - 2P CLIP (3) HOTS, (1) NEUTRAL - 3P CLIP (TYPICAL)
- DISCONNECT SWITCH FOR DOOR GATE OPENER. COORDINATE EXACT LOCATION. ALL FIXTURES SHOWN WITH 'EM' ARE TO BE EQUIPPED WITH UL924 LISTED 90 MIN. EMERGENCY BATTERY BALLAST/PACK. PROVIDE ADDITIONAL UNSWITCHED HOT CONDUCTOR TO BATTERY BALLAST/PACK. FIXTURE IS TO BE SWITCHED. WHEN NORMAL POWER IS LOST 'EM' FIXTURE SHALL TURN "ON" FOR A MINIMUM OF 90 MIN. (TYPICAL)
- VFD PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
- PROVIDE A LABEL STATING "EV CAPABLE" SHALL BE POSTED IN A CONSPICUOUS PLACE AT THE SERVICE PANEL OR SUBPANEL AND NEXT TO THE RACEWAY TERMINATION POINT.

GENERAL NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ELECTRICAL OUTLETS, DEVICES AND MOUNTING HEIGHT. SUBMIT SAMPLE OF LIGHT FIXTURES TO OWNER PRIOR TO PURCHASE AND INSTALLATION.
- REFER TO MECHANICAL DRAWINGS FOR LOCATION OF ALL MECHANICAL EQUIPMENT.
- ALL RECEPTACLES ABOVE KITCHEN COUNTER SHALL BE G.F.C.I. TYPE RECEPTACLE.
- NO EQUIPMENT, J-BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS UNLESS ACCESS PANEL IS PROVIDED. COORDINATE WITH ARCHITECT.
- PROVIDE FINAL CONNECTION TO ALL EQUIPMENT, INCLUDING EQUIPMENT PROVIDED BY OTHER TRADES, UNLESS INDICATED OTHERWISE.
- WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE.
- SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM THE SUSPENDED CEILING.
- KITCHEN AND BATHROOM LIGHTING SHALL COMPLY WITH RESIDENTIAL MANDATORY GENERAL LIGHTING EFFICACY LUMENS PER WATT MINIMUM REQUIREMENT.

- ALL BRANCH CIRCUITS (NOT JUST THE OUTLETS) THAT SUPPLY 125-VOLT, SINGLE-PHASE, 15-AND 20 AMPERE RECEPTACLES INSTALLED IN DWELLING UNIT BEDROOMS/DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN'S, SUNROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY AN COMBINATION ARC-FAULT CIRCUIT INTERRUPTERS (PER NEC 2020/CEC-2021).
- BATHROOMS' LUMINAIRES SHALL BE APPROVED FOR WET LOCATION AND SHALL BE INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- INSTALLATION AND USE LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- ELECTRICAL BOXES FOR RATED CONSTRUCTION MUST HAVE PUTTY PADS COMPLETELY SEALED, ALL SIDE OF EACH ELECTRICAL OUTLET BOX.
- TAMPER-RESISTANT RECEPTACLES IN DWELLING UNITS. IN ALL AREAS SPECIFIED IN 210.52, ALL NONLOCKING-TYPE 125-VOLT, 15- AND 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES
- ALL EXTERIOR LIGHTING FIXTURES SHALL HAVE THE APPROPRIATE DAMP OR WET LOCATION LABELS, CEC410.10(A)
- RECESSD LUMINAIRES IN INSULATED CEILINGS SHALL BE TESTED AND LISTED FOR ZERO CLEARANCE INSULATION COVER (IC) AND AIR-TIGHT (AT).

S48°46'01"E

ONE-STORY
BUILDING

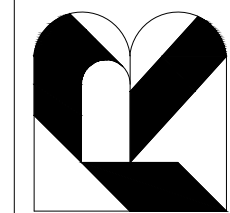
BASEMENT/PARKING

SCALE: 3/16"=1'-0"

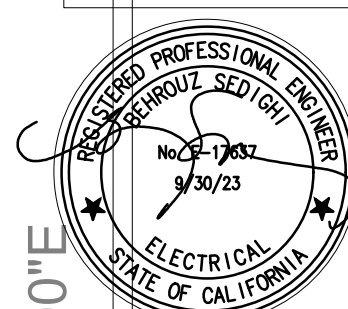
REVISIONS	BY

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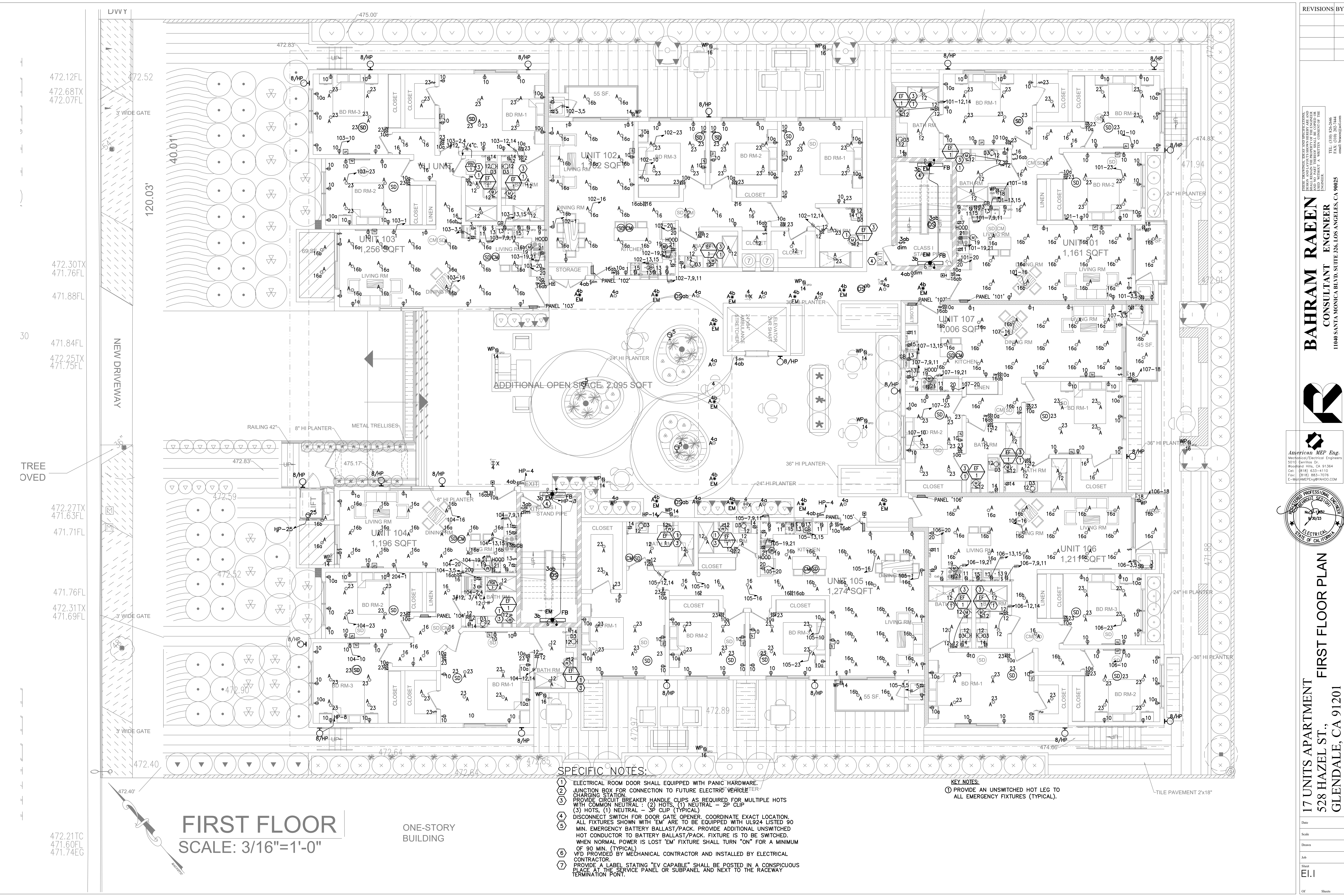
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E-Mail: AMEPeng@VAHOO.COM



PARKING PLAN

17 UNITS APARTMENT
528 HAZEL ST.,
GLENDALE, CA 91201

Date	
Scale	
Drawn	
Job	
Sheet	
Of	
Sheets	



FIRST FLOOR
SCALE: 3/16"=1'-0"

ONE-STORY
BUILDING

SPECIFIC NOTES:

- (1) ELECTRICAL ROOM DOOR SHALL EQUIPPED WITH PANIC HARDWARE.
- (2) JUNCTION BOX FOR CONNECTION TO FUTURE ELECTRIC VEHICLE CHARGING STATION.
- (3) PROVIDE CIRCUIT BREAKER HANDLE CLIPS AS REQUIRED FOR MULTIPLE HOTS WITH COMMON NEUTRAL : (2) HOTS, (1) NEUTRAL - 2P CLIP (TYPICAL)
- (4) DISCONNECT SWITCH FOR DOOR GATE OPENER. COORDINATE EXACT LOCATION. ALL FIXTURES SHOWN WITH 'EM' ARE TO BE EQUIPPED WITH UL924 LISTED 90 MIN. EMERGENCY BATTERY BALLAST/PACK. PROVIDE ADDITIONAL UNSWITCHED HOT CONDUCTOR TO BATTERY BALLAST/PACK. FIXTURE IS TO BE SWITCHED. WHEN NORMAL POWER IS LOST 'EM' FIXTURE SHALL TURN "ON" FOR A MINIMUM OF 90 MIN. (TYPICAL)
- (5) VFD PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
- (7) PROVIDE A LABEL STATING "EV CAPABLE" SHALL BE POSTED IN A CONSPICUOUS PLACE AT THE SERVICE PANEL OR SUBPANEL AND NEXT TO THE RACEWAY TERMINATION POINT.

KEY NOTES:

- (1) PROVIDE AN UNSWITCHED HOT LEG TO ALL EMERGENCY FIXTURES (TYPICAL).

REVISIONS BY

DATE

SCALE

DRAWN

JOB

SHEET

EL.1

OF

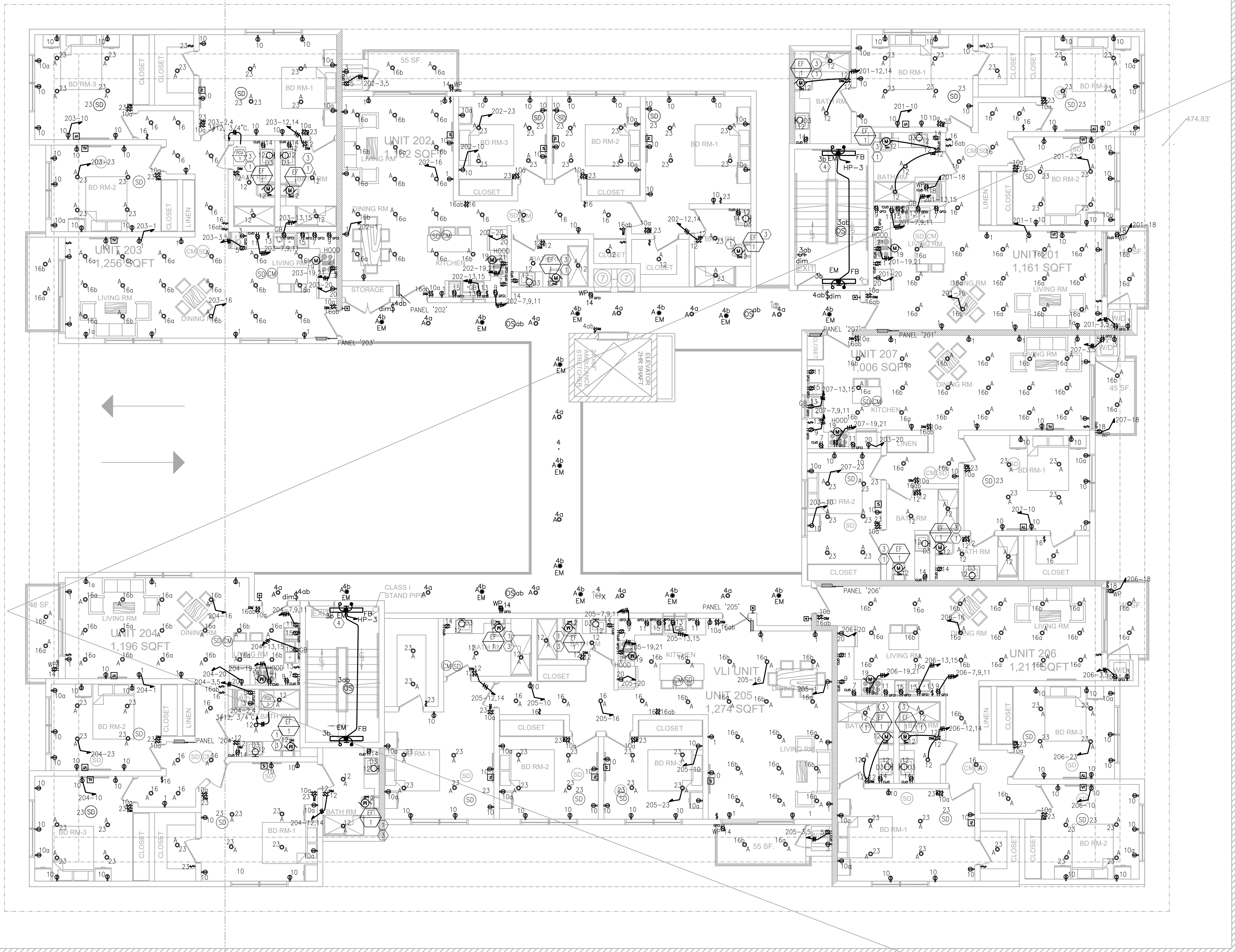
SHEETS

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E-Mail: AMEPEng@aol.com

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
9/30/23



S48°46'01"E

ONE-STORY
BUILDING
SECOND FLOOR
SCALE: 3/16"=1'-0"

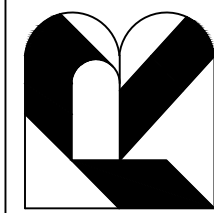
SPECIFIC NOTES:

1. EXHAUST FAN WITH HEAT LAMP (TYPICAL).
2. ELECTRICAL OUTLETS ON OPPOSITE SIDE OF RATED WALL ARE TO BE SPACE TO PROVIDE A MINIMUM OF ONE STUD BETWEEN BOXES WITH APPROVED FIRE RESISTANCE (TYPICAL).
3. PROVIDE MOTOR RATED TOGGLE SWITCH FOR EQUIPMENT, AS INDICATED. REFER TO PANEL SCHEDULE FOR SPECIFIC EQUIPMENT (TYPICAL).
4. AFCI PROTECTION IS REQUIRED THROUGHOUT THE HOUSE EXCLUDING BATHROOM KITCHEN AND GARAGE (TYPICAL).
5. PROVIDE TAMPER RESISTANT RECEPTACLE AS REQUIRED (TYPICAL).

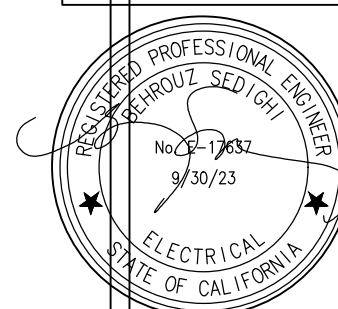
GENERAL NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ELECTRICAL OUTLETS, DEVICES AND MOUNTING HEIGHT. SUBMIT SAMPLE OF LIGHT FIXTURES TO OWNER PRIOR TO PURCHASE AND INSTALLATION.
2. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF ALL MECHANICAL EQUIPMENT.
3. ALL RECEPTACLES ABOVE KITCHEN COUNTER SHALL BE G.F.C.I. TYPE RECEPTACLE.
4. NO EQUIPMENT, J-BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS UNLESS ACCESS PANEL IS PROVIDED. COORDINATE WITH ARCHITECT.
5. PROVIDE FINAL CONNECTION TO ALL EQUIPMENT, INCLUDING EQUIPMENT PROVIDED BY OTHER TRADES, UNLESS INDICATED OTHERWISE.
6. WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE.
7. SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM THE SUSPENDED CEILING.
8. KITCHEN AND BATHROOM LIGHTING SHALL COMPLY WITH RESIDENTIAL MANDATORY GENERAL LIGHTING EFFICACY LUMENS PER WATT MINIMUM REQUIREMENT.

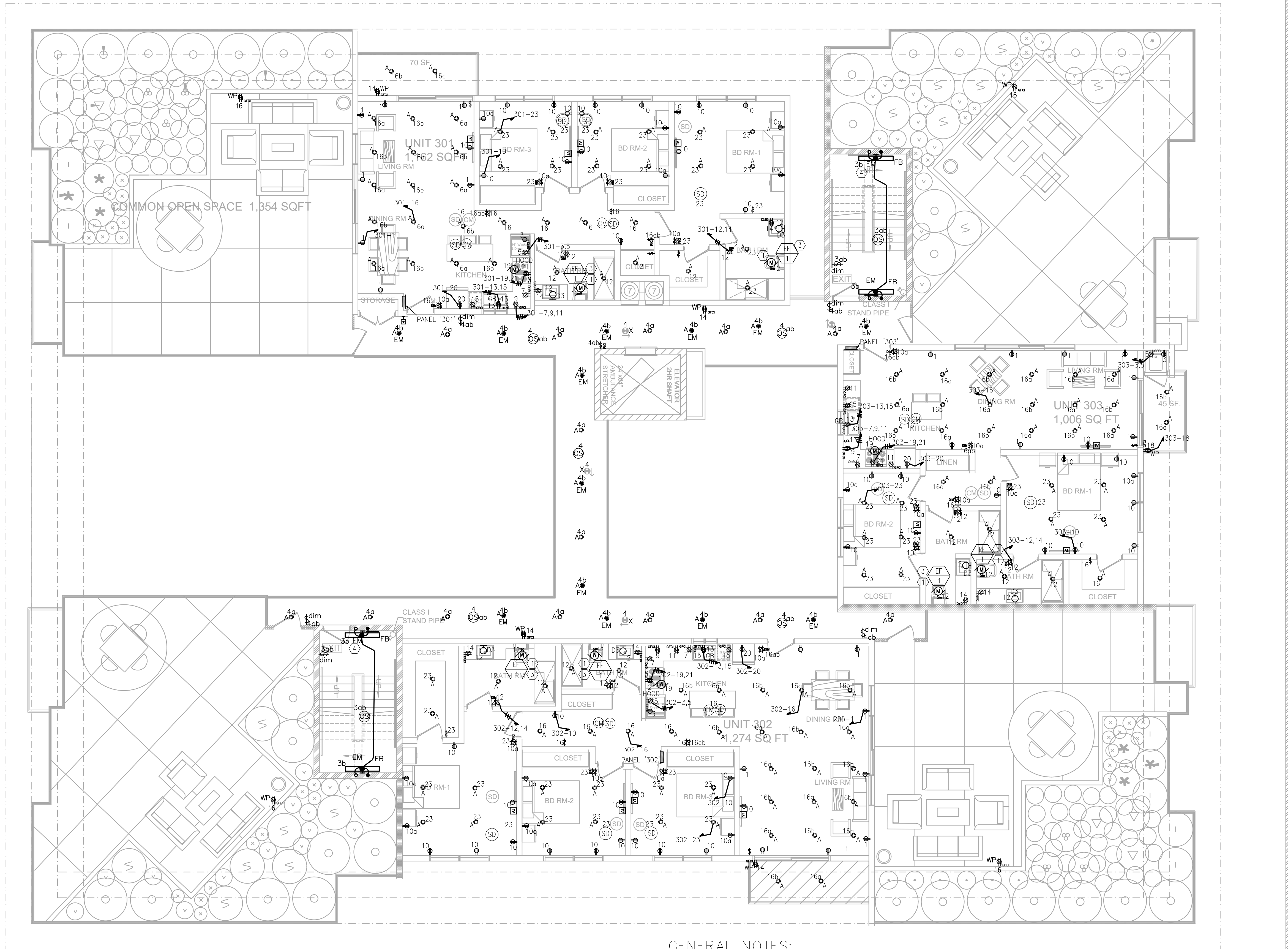
9. ALL BRANCH CIRCUITS (NOT JUST THE OUTLETS) THAT SUPPLY 125-VOLT, SINGLE-PHASE, 15- AND 20 AMPERE RECEPTACLES INSTALLED IN DWELLING UNIT BEDROOMS/DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, SUNROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY AN COMBINATION ARC-FAULT CIRCUIT INTERRUPTERS PER NEC 2020/CEC 2021.
10. BATHROOMS LUMINAIRES SHALL BE APPROVED FOR WET LOCATION AND SHALL BE INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
11. INSTALLATION AND USE-LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
12. ELECTRICAL BOXES FOR RATED CONSTRUCTION MUST HAVE PUTY PADS COMPLETELY SEALED, ALL SIDE OF EACH ELECTRICAL OUTLET BOX.
13. TAMPER-RESISTANT RECEPTACLES IN DWELLING UNITS, IN ALL AREAS SPECIFIED IN 210.52, ALL NONLOCKING-TYPE 125-VOLT, 15- AND 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.
14. ALL EXTERIOR LIGHTING FIXTURES SHALL HAVE THE APPROPRIATE DAMP OR WET LOCATION LABELS. CE0410.10(A).
15. RECESSO LUMINAIRES IN INSULATED CEILINGS SHALL BE TESTED AND LISTED FOR ZERO CLEARANCE INSULATION COVER (IC) AND AIR-TIGHT (AT).



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120.03'
40.01'



THIRD FLOOR

SCALE: 3/16"=1'-0"

SPECIFIC NOTES:

- EXHAUST FAN WITH HEAT LAMP (TYPICAL).
- ELECTRICAL OUTLETS ON OPPOSITE SIDE OF RATED WALL ARE TO BE SPACE TO PROVIDE A MINIMUM OF ONE STUD BETWEEN BOXES WITH APPROVED FIRE RESISTANCE (TYPICAL).
- PROVIDE MOTOR RATED TOGGLE SWITCH FOR EQUIPMENT, AS INDICATED. REFER TO PANEL SCHEDULE FOR SPECIFIC EQUIPMENT (TYPICAL).
- AFCI PROTECTION IS REQUIRED THROUGHOUT THE HOUSE EXCLUDING BATHROOM KITCHEN AND GARAGE (TYPICAL).
- PROVIDE TAMPER RESISTANT RECEPTACLE AS REQUIRED (TYPICAL).

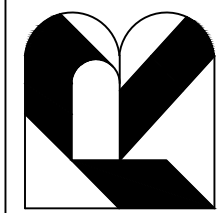
GENERAL NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ELECTRICAL OUTLETS, DEVICES AND MOUNTING HEIGHT. SUBMIT SAMPLE OF LIGHT FIXTURES TO OWNER PRIOR TO PURCHASE AND INSTALLATION.
- REFER TO MECHANICAL DRAWINGS FOR LOCATION OF ALL MECHANICAL EQUIPMENT.
- ALL RECEPTABLES ABOVE KITCHEN COUNTER SHALL BE GFCI TYPE RECEPTACLE.
- NO EQUIPMENT, J-BOXES, ETC. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS UNLESS ACCESS PANEL IS PROVIDED. COORDINATE WITH ARCHITECT.
- PROVIDE FINAL CONNECTION TO ALL EQUIPMENT, INCLUDING EQUIPMENT PROVIDED BY OTHER TRADES, UNLESS INDICATED OTHERWISE.
- WHERE MULTIPLE SWITCHES ARE INDICATED, SWITCHES SHALL BE GANGED UNDER A COMMON WALL PLATE.
- SUPPORT CEILING MOUNTED LIGHTING FIXTURES DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FIXTURES FROM PIPING, DUCTWORK OR ANY OTHER EQUIPMENT, OR SOLELY FROM THE SUSPENDED CEILING.
- KITCHEN AND BATHROOM LIGHTING SHALL COMPLY WITH RESIDENTIAL MANDATORY GENERAL LIGHTING EFFICACY LUMENS PER WATT MINIMUM REQUIREMENT.
- ALL BRANCH CIRCUITS (NOT JUST THE OUTLETS) THAT SUPPLY 125-VOLT, SINGLE-PHASE, 15-AND 20 AMPERE RECEPTABLES INSTALLED IN DWELLING UNIT BEDROOMS/DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN'S, SUNROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR ARE LOCATED IN THE GARAGE SHALL BE PROTECTED BY AN OVERCURRENT DEVICE (OCD) WITH A RATED TRIP CURRENT NOT EXCEEDING 15 AMPERES.
- BATHROOMS LUMINAIRES SHALL BE APPROVED FOR WET OR DAMP LOCATION AND SHALL BE INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- INSTALLATION AND USE LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
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- ALL EXTERIOR LIGHTING FIXTURES SHALL HAVE THE APPROPRIATE DAMP OR WET LOCATION LABELS, CEC410.10(A).
- RECESSO LUMINAIRES IN INSULATED CEILINGS SHALL BE TESTED AND LISTED FOR ZERO CLEARANCE INSULATION COVER (IC) AND AIR-TIGHT (AT).

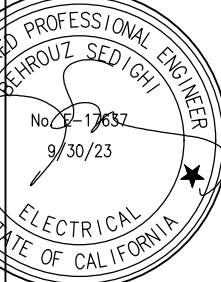
REVISIONS BY

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GLENDALE, CA 91201

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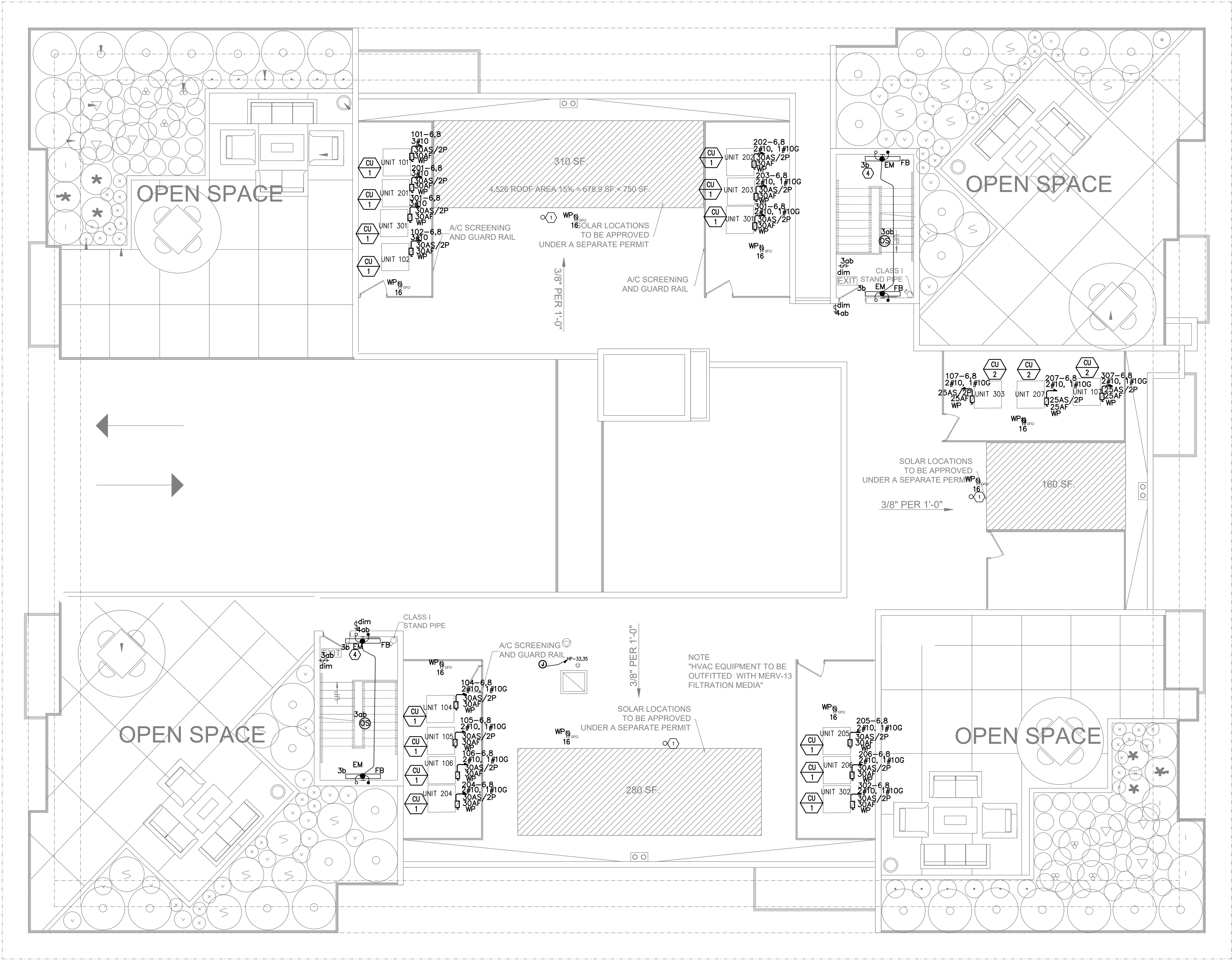
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Mechanical/Electrical Engineers
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E-Mail: AMEPEng@yahoo.com



3rd FLOOR PLAN

17 UNITS APARTMENT
528 HAZEL ST.,
GLENDALE, CA 91201

Date
Scale
Drawn
Job
Sheet
EI.3
Of Sheets

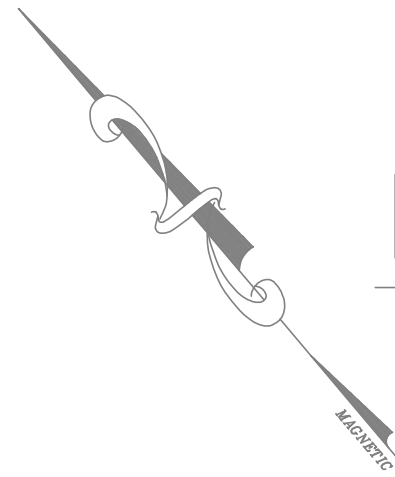


GENERAL NOTES:

1. REFER TO MECHANICAL DRAWINGS FOR NUMBER AND LOCATION OF ALL MECHANICAL EQUIPMENT AND PROVIDE POWER AS REQUIRED.
2. PROVIDE JUNCTION BOX AND 1/2" C.O. STUB-UP TO ACCESSIBLE CEILING SPACE AT EACH THERMOSTAT LOCATION, REFER TO MECHANICAL DRAWINGS FOR LOCATION.
3. PROVIDE FINAL CONNECTION TO ALL EQUIPMENT, INCLUDING EQUIPMENT PROVIDED BY OTHER TRADES, UNLESS INDICATED OTHERWISE.

SPECIFIC NOTES:

1. PROVIDE 2" CO. FOR FUTURE SOLAR PANEL COORDINATE WITH ARCHITECTURAL DWGS.
2. ALL CONDUIT SHALL RUN BELOW ROOF. PROTECTED FROM SUNLIGHT.



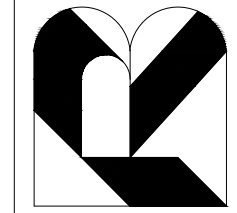
ROOF PLAN

SCALE: 3/16"=1'-0"

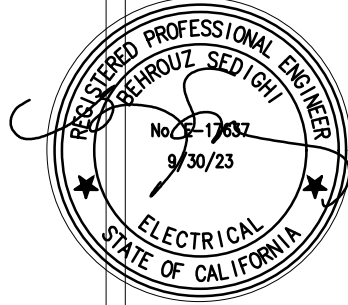
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ROOF PLAN

17 UNITS APARTMENT
528 HAZEL ST.,
GLENDALE, CA 91201

Date	
Scale	
Drawn	
Job	
Sheet	El.4
Of	Sheets

STATE OF CALIFORNIA

Indoor Lighting

NECC-014

CALIFORNIA ENERGY COMMISSION

NRCC-114

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in [§110.5](#), [§110.12\(c\)](#), [§130.0](#), [§130.1](#), [§140.6](#) and [§141.0\(b\)\(2\)](#) for indoor lighting scopes using the prescriptive

Project Name:

528 Hazel St

Report Page:

(Page 1 of 7)

Project Address:

528 Hazel St

Date Prepared:

4/6/2023

A. GENERAL INFORMATION

01 Project Location (city)	Glandol	04 Total Conditioned Floor Area (ft ²)	0
02 Climate Zone	9	05 Total Unconditioned Floor Area (ft ²)	16,800
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1
☐ Office	☐ Retail	☐ Warehouse	☒ School
☐ Parking Garage	☐ High-Rise Residential	☐ Relocatable	☐ Healthcare
		☐ Other (Write in)	See Table 1

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 [§141.0\(b\)\(2\)](#) for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)	Calculation Method	Area (ft ²)
☒ New Lighting System	Area Category Method	0	Area Category Method	16800
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)		0		16800

Registration Number:

Registration Date/Time:

Registration Provider: EnergySift

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2023.1.003
Schema Version: rev 20230403

Report Generated: 2023-04-06 13:38:39

STATE OF CALIFORNIA Indoor Lighting NRC-CLT# _____	CALIFORNIA ENERGY MANAGEMENT NRC-CLT# _____
CERTIFICATE OF COMPLIANCE	
Project Name: _____	528 Hazel St Report Page: _____ (Page 4 of 7)
Project Address: _____	528 Hazel St Date Prepared: 4/6/2023

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.

Unconditioned Spaces	01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment Area Category	PAS
Parking	Parking Garage Building Parking Zone	0.1	13,450	1,345	No	No
Stair	Stairwell	0.5	1,400	700	No	No
Corridor	Corridor Area	0.6	1,950	1,170	No	No
	TOTALS:		16,800	3,215		See Tables I, or P for detail

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

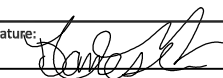
K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

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.

STATE OF CALIFORNIA Indoor Lighting NRC-014		CALIFORNIA ENERGY EFFICIENCY COMMISSION	
CERTIFICATE OF COMPLIANCE		NRC-014	
Project Name:	528 Hazel	Report Page:	(Page 7 of 7)
Project Address:	528 Hazel St Date Prepared:		
4/2/2021			
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: All Danesh		Documentation Author Signature: 	
Company: Parlin, Inc.		Signature Date: 04/09/21	
Address: 5010 Cerrillos Dr.		CEA HERS Certification Identification (if applicable): M30478	
City/State/Zip: Woodland Hills CA 91364		Phone:	
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 manufacturers 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 make sure a completed signed copy of this Certificate of Compliance shall be made available (upon request, without charge) to the building owner 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: Ben Sridaghi, PE		Responsible Designer Signature: 	
Company: Parlin		Date Signed: 2021-04-05	
Address: 5010 Cerrillos Dr.		License: E-17037	
City/State/Zip: Woodland Hills CA 91364		Phone: 818-633-4110	
Registration Number:		Registration Date/Time:	
CA Building Energy Efficiency Standard - 2019 Nonresidential Compliance		Registration Provider: EnergyProof	
Report Number: 2021-1003		Report Generated: 2021-04-06 13:38:19	
Scheme Version: rev-20190402			

STATE OF CALIFORNIA					INDOOR LIGHTING					CALIFORNIA ENERGY COMMISSION									
										NREC-LEH-C-E									
CERTIFICATE OF COMPLIANCE										S2B (Rev) Report Page:					NREC-LT-H-C-E				
Project Name:										S2B (Rev) Draw Prepared:					(Page 2 of 7)				
Project Address:															(C/E/C/O)				

C. COMPLIANCE RESULTS														
If any call 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 compliant per compliance per §160.6(a)(1)	Allowed Lighting Power per §160.6(b) (Watts)				=	≥	Adjusted Lighting Power per §160.6(a) (Watts)			=	≤	Compliance Results		
	O1	O2	O3	O4			O5	O6	O7				O8	O9
	Complete Building Category §160.6(c)(1)	Area Category §160.6(d)(2)	Area Category Additional §160.6(e)(1)-(3)	Tailored (+)			Total Allowed (Watts)	Total Designed (Watts)	Adjustments P&L Lighting Control Credits §160.6(f)(2) (-)				Total Adjusted (Watts) <i>* Includes Adjustments</i>	O5 must be ≤ O8 \$160.6
	(See Table I.)	(See Table J.)	(See Table J.)	(See Table K.)										
Unconditioned	3	215	0	=	=	≥	3,215	2	3070.4	0	=	3070.4	COMPLIES	
Rated Power Reduction Compliance (See Table H for Details)										COMPLIES				
Rated Power Reduction Compliance (See Table G for Details)										COMPLIES				

D. EXCEPTIONAL CONDITIONS									

This table is auto-filled with undesirable comments made by 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.

F. INDOOR LIGHTING FIXTURE SCHEDULE									
This table includes all permanent designed lighting and all portable lighting in offices.									
Designed Type(s): Unconditioned Spaces									
O1	O2	O3	O4	O5	O6	O7	O8	O9	O10
Name or Item	Complete Luminaire Description	Modular Track/Fixture	Small Aperture & Color Change	Watts per luminaire	How is Wattage Determined?	Total Number of Luminaires	Included per §160.6(g)(3)	Design Watts	Field Inspector
A	A - LED DMX DRSHND 11.8	No	No	11.8	Mfr. Spec.	92	No	1,085.6	Pass
FB	FB - 1 Lamp LED 18.7 W	No	No	18.7	Mfr. Spec.	24	No	448.8	Fail

Registration Number:	Registration Date/Time:
CA Building Energy Efficiency Standards– 2019 Nonresidential Compliance	Report Generated: 2021-04-06 13:39:39

STATE OF CALIFORNIA
Indoor Lighting
 NRC-01E

CERTIFICATE OF COMPLIANCE

Project Name: 528 Hazel [Report Page: 1]
 Project Address: 528 Hazel St [Date Prepared: 4/6/2021]

NRC-01E
 (Page 5 of 7)

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.

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.energy.ca.gov/sites/default/files/2019-04/compliance_documents/Nonresidential_Documents/NRC/

Yes	No	Form/Title	Field Inspector
			Pass Fail
☒	☐	NRC1-IT-01-E: Must be submitted for all buildings	☒ ☐
☒	☐	NRC1-IT-02-E: Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ ☐
☒	☐	NRC1-IT-04-E: Must be submitted for two interlocking systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.	☐ ☐
☒	☐	NRC1-IT-05-E: Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ ☐
☒	☐	NRC1-IT-06-E: Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ ☐

Registration Number:

CA Building Energy Efficiency Standards – 2019 Nonresidential Compliance

Registration Date/Time:

Report Version: 2019.1.003
 Schema Version: rev. 20190401

Registration Provider: EnergyProof

Report Generated: 2021-04-06 13:38:39

STATE OF CALIFORNIA

Indoor Lighting

NECC-014

CERTIFICATE OF COMPLIANCE

Project Name:

528 Hazel Road; Project Page:

Project Address:

528 Hazel St; Date Prepared:

CALIFORNIA ENERGY COMMISSION

NRCC-0174-I

(Page 3 of 7)

4/20/2017

F. INDOOR LIGHTING FIXTURE SCHEDULE

G	G 1 Lamp 4 ft TB Rapid Start Elec	No	Indoor	32	CEC Default	48	No	1,536	☐	☐
Total Designed Watts: UNCONDITIONED SPACES								3,070.4		

**FOOTNOTE: Design Watts: small aperture and color changing luminaires which qualify per §140.6(b)(48) 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.*

**Exception: 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 "B" 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.

01				02				03											
Mandatory Demand Response §130.12(c)				Shut-off controls §130.11(c)				Field Inspector											
Required >10,000 SF				Whole Building Auto Time Switch				Pass Fail											
04				05		06		07		08		09		10		11		12	
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/Standby Daylighting §130.1(d)		Secondary Daylighting §140.6(d)		Interfaced Systems §140.6(a)(1)		Field Inspector			
																Pass Fail			

**NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.*
EX: Conference 1; Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.11(d)

13

Plan Sheet Showing Daylight Zones:

Registration Number:

Registration Date/Time:

Registration Provider: Energaip

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2021.1.003

Scheme Version: rec 20190401

Report Generated: 2021-04-06 13:38:39

STATE OF CALIFORNIA		Indoor Lighting		CALIFORNIA ENERGY COMMISSION
NCC-CLT-E				NCC-CLT-F
CERTIFICATE OF COMPLIANCE				
Project Name:	528 Hazel St	Report Page:	(Page 6 of 7)	
Project Address:	528 Hazel St	Date Prepared:	4/6/2023	

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has 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.energy.ca.gov/title24/attcp/providers.html>

Yes	No	Form/Title	Pass	Fail
☒	☐	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
☐	☒	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
☐	☒	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
☐	☒	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF)	☐	☐

REVISIONS BY

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