NOTE: HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS. (702.1) NOTE: SPECIAL INSPECTORS SHALL BE QUALIFIED AND ABLE TO DEMONSTRATE COMPETENCE IN THE DISCIPLINE THEY ARE INSPECTING. (702.2)

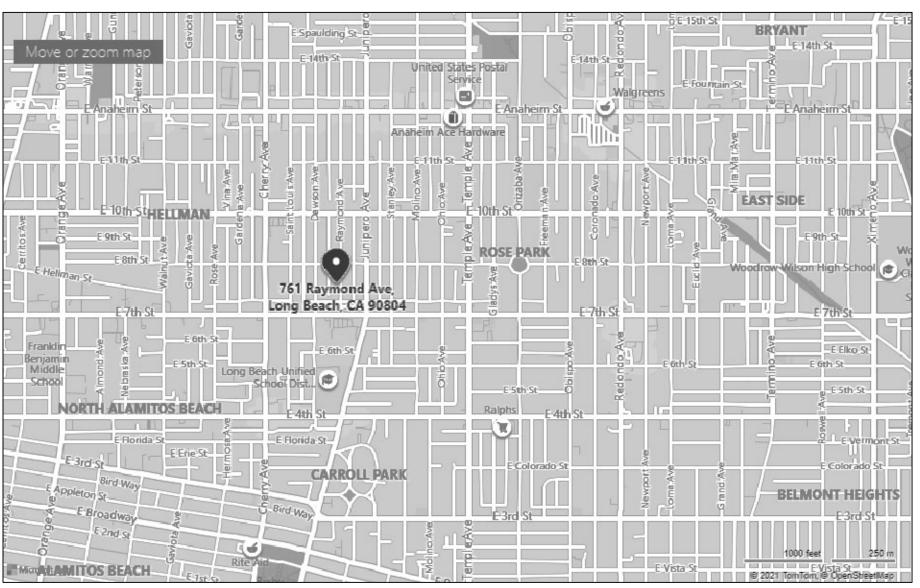
**NOTE:** CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS OF BUILDER OR INSTALLER CERTIFICATION, INSPECTION REPORTS, OR OTHER METHODS ACCEPTABLE TO BUILDING BUREAU ARE REQUIRED TO BE SUBMITTED TO CITY INSPECTORS FOR VERIFICATION AND COMPLIANCE AT THE TIME OF FINAL INSPECTION. (703.1)

NOTE: CONTRACTORS SHALL COMPLETE THE FOLLOWING DOCUMENTS AND PROVIDE THEM TO THE CITY INSPECTOR AT THE TIME OF FINAL INSPECTION, INSTALLATION CERTIFICATES FOR VOC CONTENT VERIFICATION CHECKLIST FORM GRN-02 AND FORMALDEHYDE EMISSIONS VERIFICATION CHECKLIST FORM GRN-03. PRODUCTION INFORMATION SHEETS AND DECLARATION STATEMENTS FOR ADHESIVE, SEALANTS AND CAULKS: PAINTS AND COATINGS: FINISH FLOORING MATERIALS: AND COMPOSIT WOOD PRODUCTS.

NOTE: ANNULAR SPACES AROUND PIPES, ELECTRICAL CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE CLOSED WITH CEMENT MORTAR, CONCRETE MASONRY, OR A SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY TO PREVENT THE PASSAGE OF RODENTS.

**NOTE:** THIS PROJECT IS REQUIRED TO DIVERT A MINIMUM OF 65% OF RECYCLABLE CONSTRUCTION WASTE PER THE CONSTRUCTION AND DEMOLITION MANAGEMENT PLAN. WITHIN 30 DAYS AFTER RECEIPT OF CERTIFICATE OF OCCUPANCY, FINAL INSPECTION, OR THE COMPLETION OF DEMOLITION, THE FINAL COMPLIANCE REPORT MUST BE SIGNED AND SUBMITTED WITH THE FOLLOWING INFORMATION:

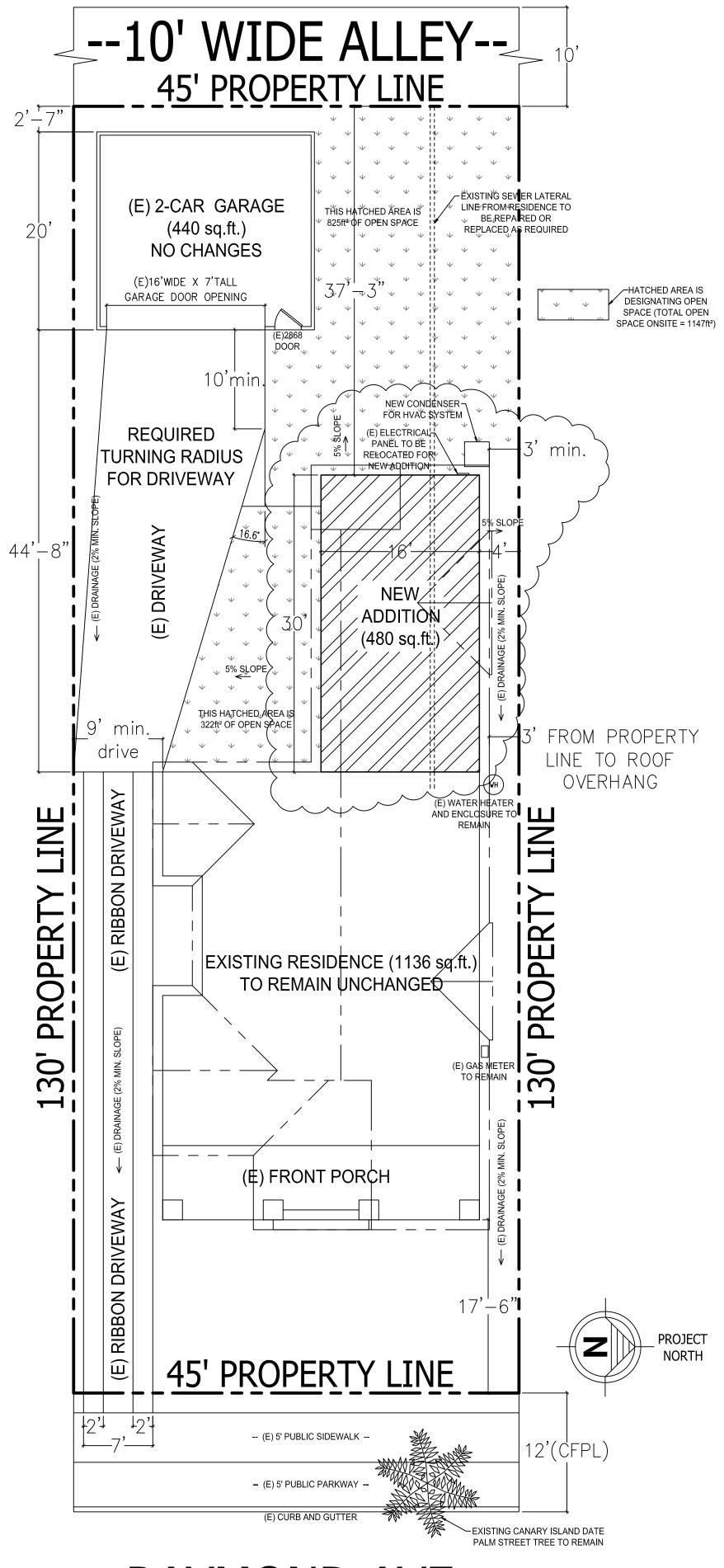
- 1. PROOF THAT C&D MATERIALS WERE TAKEN TO A CERTIFIED DIVERSION FACILITY THAT PROCESSES AND RECYCLES MIXED DEBRIS.
- 2. RECYCLING RECEIPTS INDICATING THE ORIGIN OF RECYCLED MATERIAL, TONNAGE OR OUANTITY RECYCLED/DIVERTED AND MATERIAL TYPES.
- 3. THE WASTE FACILITIES MUST BE TOLD THAT THE RECEIPTS "SHALL INDICATE THAT THE MATERIAL IS BEING RECYCLED".



# VICINITY MAP

- ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE 2019 CBC. NOTE ALL REFERENCES
- ON PLANS TO THE SECTIONS AND TABLES WITHIN THE LATEST BUILDING CODE.
- THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD
- CONTRACTOR IS RESPONSIBLE TO CHECK DIMENSIONS, FRAMING CONDITIONS, AND SITE CONDITIONS PRIOR TO STARTING WORK. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
- CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED AS SPECIFIED IN TYPICAL DETAILS FOR THE RESPECTIVE MATERIALS.
- DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISH STRUCTURE. ALL BRACING, TEMPORARY SHORING, ETC. ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OBSERVATION VISITS BY THE ARCHITECT OR ENGINEER DO NOT INCLUDE INSPECTION OF CONSTRUCTION PROCEDURES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS AND FOR THE SAFETY AT THE WORKSITE.
- SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SLAB DEPRESSIONS, ROOF OPENINGS, TRENCHES, SOFFITS, ETC. NOT SHOWN ON STRUCTURAL DRAWINGS. ANY AMBIGUOUS DISCREPANCIES AMONGST THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER.
- CONTRACTOR SHALL INVESTIGATE JOB SITE DURING EARTHWORK OPERATIONS AND NOTIFY ENGINEER OF ANY CESSPOOLS, CISTERNS, BURIED FOUNDATION, ETC. ARE FOUND.
- TEMPORARY LOADING OF MEMBERS SHALL BE SPREAD OUT UNIFORMLY AS TO NOT EXCEED THE SPECIFIED DESIGN LIVE LOAD PER SQUARE FOOT.
- DRAWINGS AND CALCULATIONS THAT ARE NOT SEALED WITH A "WET SIGNATURE" SHALL NOT BE USED FOR CONSTRUCTION DOCUMENTS
- 10. THE SLAB ON GRADE IS A NON-STRUCTURAL ITEM AND THEREFORE HAS NOT BEEN DESIGNED BY THE STRUCTURAL DESIGN ENGINEER. ISSUES RELATING TO MOISTURE MIGRATION, CRACKING, AND DIFFERENTIAL SETTLEMENT OF THE SLAB ON GRADE HAS NOT BEEN ADDRESSED BY THE ENGINEER. OWNER AND CONTRACTOR ASSUME FULL RESPONSIBILITY FOR ITEMS RELATING TO SLAB ON GRADE.

## Attachment B



-- RAYMOND AVE. --SITE PLAN SCALE: 1/8" = 1'-0"

**NOTE:** SMOKE ALARMS SHALL BE TESTED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SMOKE ALARMS THAT NO LONGER FUNCTION SHALL BE REPLACED. SMOKE ALARMS INSTALLED IN DWELLINGS SHALL BE REPLACED AFTER 10 YEARS FROM THE DATE OF MANUFACTURE MARKED ON THE UNIT, OR IF THE DATE OF MANUFACTURE CANNOT BE

#### **SHEET INDEX:**

- TITLE SHEET WITH SITE PLAN AND VICINITY MAP
- T-2 NOTES FOR LONG BEACH
- GN1 GENERAL NOTES EXISTING AND NEW FLOOR PLANS
- ROOF PLAN, SECTIONS, AND ELECTRICAL PLAN
- **ELEVATIONS** FOUNDATION PLAN AND FRAMING PLAN AND DETAILS
- **DETAILS**
- S-2
- T24-1 TITLE-24 ENERGY CALCULATIONS
- T24-2 TITLE-24 ENERGY CALCULATIONS

#### PROJECT INFORMATION:

#### HARMOLA RESIDENCE ADDITION

APN = 7262-022-008 LOT#31 TRACT:EJ BRADY

OCCUPANCY TYPE: R-3/U

CONSTRUCTION TYPE: VB (NON-SPRINKLERED BUILDING)

EXISTING FLOOR PLAN = 1136 sq.ft.

PROPOSED NEW ADDED SQUARE FOOTAGE = 480 sq.ft.

EXISTING DETACHED 2-CAR GARAGE = 440 sq.ft. (NO CHANGES)

LOT SIZE = 5850sq.ft. LOT COVERAGE= $\frac{1616}{5850}$ =28% OPEN SPACE= $\frac{1147}{5850}$ =20%

#### **SCOPE OF WORK:**

- NEW ADDITION(480ft<sup>2</sup>) FOR NEW MASTER SUITE AND LAUNDRY ROOM. EXISTING HEATER TO BE REMOVED AND REPLACED WITH NEW ATTIC MOUNTED HVAC UNIT WITH ALL NEW DUCTING THROUGHOUT THE EXISTING RESIDENCE AND NEW ADDITION WITH NEW EXTERIOR GROUND MOUNTED CONDENSER.
- RELOCATE ELECTRICAL PANEL FOR NEW ADDITION. EXISTING SEWER LATERAL LINE FROM RESIDENCE TO BE REPAIRED OR REPLACED AS REQUIRED.

#### **GOVERNING CODES:**

2019 CALIFORNIA BUILDING CODE 2019 CALIFORNIA RESIDENTIAL CODE 2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA ELECTRICAL CODE

2019 CALIFORNIA ENERGY REGULATIONS T-24 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE CITY OF LONG BEACH MUNICIPAL CODE TITLE 18

#### **DESIGN LOADS:**

ROOF LOAD: LL = 20 psf DL = 16 psfFLOOR LOAD: LL = 40 psf DL = 15 psf**EXTERIOR WALL LOAD:** DL = 11 psf**INTERIOR WALL LOAD:** DL = 6 psf

#### **ENGINEERING:**

MAPPED SPECTRAL RESPONSE ACCELERATIONS

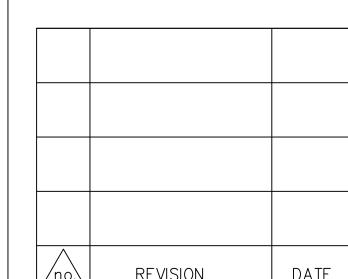
Ss = 1.603S1 = 0.581

2. SPECTRAL RESPONSE COEFFICIENTS Sds = 1.282

- Sd1 = 0.666SEISMIC IMPORTANCE FACTOR = 1 SEISMIC OCCUPANCY TYPE = R
- SITE CLASS = D
- SEISMIC DESIGN CATEGORY = D
- BASIC SEISMIC-FORCE RESISTING SYSTEM = LIGHT FRAME WALLS
- DESIGN BASE SHEAR =  $0.1583 \times W$
- 8. R = 6.5
- RISK CATEGORY = II10. ANALYSIS METHOD = PER ASCE7-16 12.14
- FLOOD LOADS DO NOT APPLY
- WIND LOAD: Vult = 110mph EXPOSURE:B I = 1.0
- INTERNAL PRESSURE COEFFICIENT(GCpi) =  $\pm 0.18$ COMPONENTS AND CLADDING PRESSURÉ = +2.8psf -6.6psf
- 15. ASSUMED SOIL BEARING PRESSURE = 1000 PSF

### SPECIAL INSPECTIONS:

NO SPECIAL INSPECTIONS REQUIRED FOR THIS PROJECT



REVISION DATE

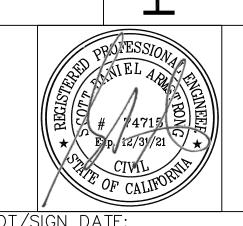
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|PLOT/SIGN DATE: 08/08/202

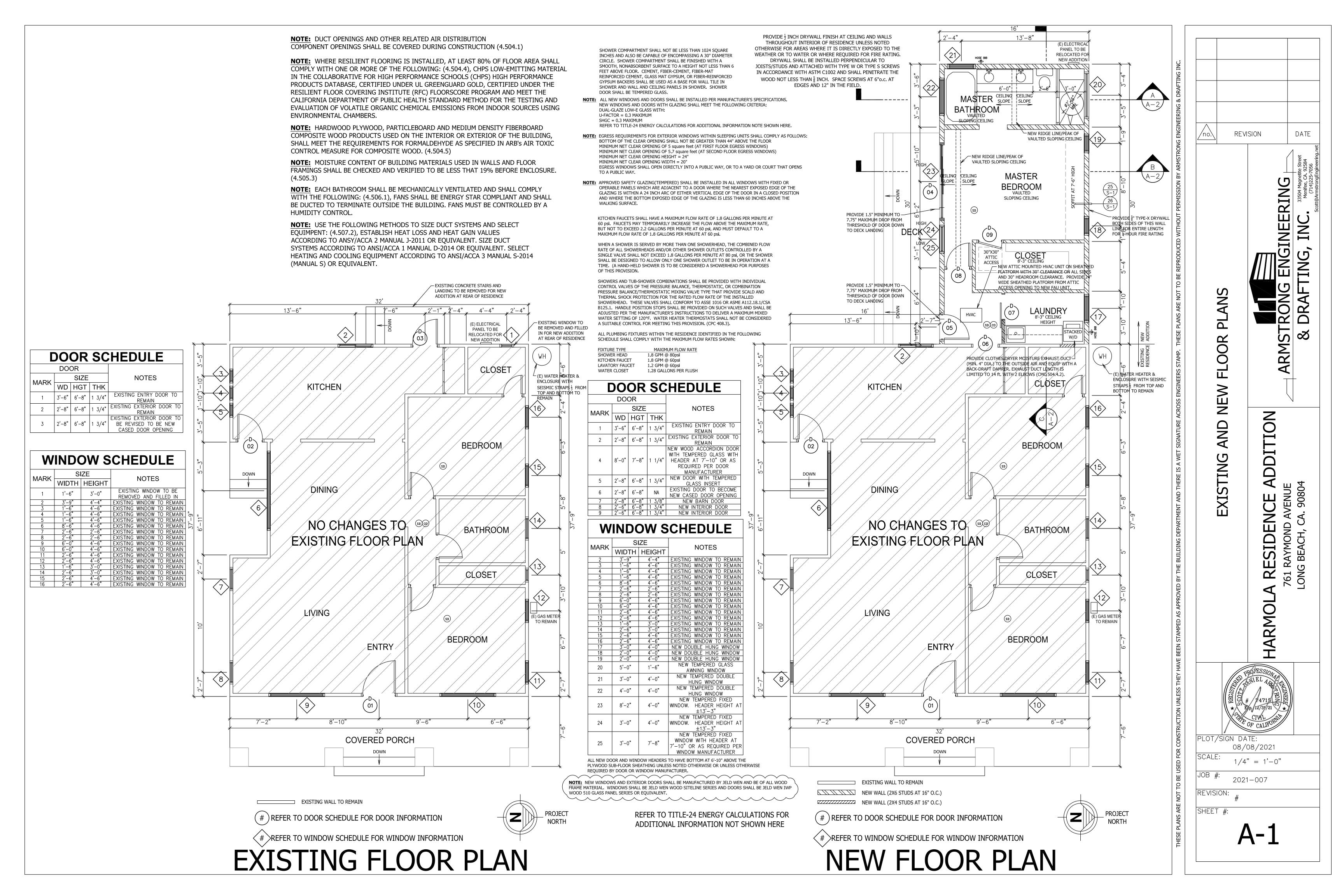
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<b>ELECTRICAL SYMBOLS</b> - SEE GENERAL NOTES FOR ADDITIONAL INFORMATION			
ф	LIGHT FIXTURE (LED)	\$ <sup>vs</sup>	SWITCH WITH VACANCY SENSOR
Н	HUMIDISTAT CONTROLLER	中	GARAGE DOOR OPENER
<b>⊕</b> å	ARC FAULT CIRCUIT INTERRUPTER OUTLET	<b>→</b> ₽	GROUND FAULT CIRCUIT INTERRUPTER OUTLET
FAN	EXHAUST FAN (NO LIGHT)	<b>⊕</b> \$	WEATHER PROOF OUTLET
<del>+</del>	WALL OUTLET	$\mathbb{X}$	CEILING FAN WITH LIGHT FIXTURE (LED OR DIMMER)
<u>sn</u>	SMOKE DETECTOR (HARD WIRED WITH BATTERY BACKUP)	(B)	CARBON MONOXIDE DETECTOR (HARD WIRED WITH BATTERY BACKUP)
\$	WALL MOUNTED SWITCH	\$	DIMMER SWITCH

#### **NOTES**

WATT. (FL)

EACH BATHROOM CONTAINING A BATHTUB, SHOWER OR TUB/SHOWER COMBINATION SHALL HAVE A HUMIDITY CONTROL AND BE MECHANICALLY VENTILATED FOR THE PURPOSES OF HUMIDITY CONTROL IN ACCORDANCE WITH THE CMC CHAPTER 4 AND CGBS CODE, CHAPTER

WATER CLOSET COMPARTMENTS, WHERE THERE IS NO BATHTUB, SHOWER, SPA, OR OTHER SIMILAR SOURCE OF MOISTURE, ARE TO BE PROVIDED WITH AGGREGATE GLAZING AREA IN WINDOWS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF OF WHICH MUST BE OPENABLE. ALTERNATIVELY, A MECHANICAL VENTILATION SYSTEM MAY BE PROVIDED. THE MINIMUM VENTILATION RATES SHALL BE 50cfm FOR INTERMITTENT VENTILATION OR 20cfm FOR CONTINUOUS VENTILATION IN ACCORDANCE WITH CHAPTER 4 OF THE CALIFORNIA

MECHANICAL CODE. VENTILATION AIR IS TO BE EXHAUSTED DIRECTLY TO THE OUTSIDE.

SMOKE DETECTORS @ ALL BEDROOMS & HALLWAYS LEADING INTO BEDROOMS, EACH FLOOR & TOP OF STAIRS. SMOKE DETECTORS SHALL BE HARDWIRED TO BUILDING ELECTRICAL SYSTEM WITH BATTERY BACKUP.

CARBON MONOXIDE DETECTORS ON THE CEILING OR WALL OUTSIDE OF EACH SEPARATE SLEEPING AREAS IN THE IMMEDIATE VICINITY OF BEDROOMS AND ON EACH STORY WITHIN A DWELLING UNIT, INCLUDING BASEMENTS. CARBON MONOXIDE DETECTORS SHALL BE BATTERY OPERATED.

GENERAL LIGHTING IN KITCHEN & BATHS (WITH SHOWER OR TUB) SHALL BE MIN. 40 LUMENS PER

ALL NEWLY INSTALLED LUMINAIRES ARE TO BE HIGH-EFFICACY LUMINAIRES AS IDENTIFIED IN CENC

CONTRACTOR SHALL POST THE INSTALLATION CERTIFICATE (CF-6R) FORM AND INSULATION CERTIFICATE (IC-1) FORM IN A CONSPICUOUS LOCATION OR KEPT WITH THE PLANS & MADE AVAILABLE TO THE INSPECTOR.

CONTRACTOR SHALL PROVIDE COPIES OF THE CF-1R, MF-1R, CF-6R & IC-1 FORMS TO THE BUILDING

ALL 120-VOLT, SINGLE PHASE, 15 AND 20 AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. CEC 406.12 LISTED TAMPER-RESISTANT RECEPTACLES.

ELECTRONIC BALLASTS FOR ALL FLOURESCENT LAMPS RATED 13 WATTS OR GREATER.

RECESSED DOWNLIGHT LUMINARIES IN ALL CEILINGS SHALL MEET ALL OF THE FOLLOWING REQUIREMENTS:

1. SHALL BE LISTED, AS DEFINED IN CEC SECTION 100.1, FOR ZERO-CLEARANCE INSULATION CONTACT (IC) BY UNDERWRITERS LABORATORIES OR OTHER NATIONALLY RECOGNIZED TESTING/RATING LABORATORY.

2. SHALL HAVE A LABEL THAT CERTIFIES THE LUMINAIRE IS AIRTIGHT WITH AIR LEAKAGE LESS

THAN 2.0 CFM AT 75 PASCALS WHEN TESTED IN ACCORDANCE WITH ASTM E283. AN EXHAUST FAN HOUSING SHALL NOT BE REQUIRED TO BE CERTIFIED AIRTIGHT.

 SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE LUMINAIRE HOUSING AND CEILING, AND SHALL HAVE ALL AIR LEAK PATHS BETWEEN CONDITIONED AND UNCONDITIONED SPACES

SEALED WITH A GASKET OR CAULK; AND
4. FOR LUMINAIRES WITH HARDWIRED BALLASTS OR DRIVERS, ALLOW BALLAST OR DRIVER
MAINTENANCE AND REPLACEMENT TO BE READILY ACCESSIBLE TO BUILDING OCCUPANTS FROM
BELOW THE CEILING WITHOUT REQUIRING THE CUTTING OF HOLES IN THE CEILING; AND

5. SHALL NOT CONTAIN SCREW BASE SOCKETS, AND
6. SHALL CONTAIN LIGHT SOURCES THAT COMPLY WITH REFERENCES JOINT APPENDIX JA8,
INCLUDING THE ELEVATED TEMPERATURE REQUIREMENTS, AND THAT ARE MARKED 'JA8-2016-E' AS
SPECIFIED IN REFERENCE JOINT APPENDIX JA8.

IN KITCHEN, PANTRIES, BREAKFAST ROOMS, DINING ROOMS AND SIMILAR AREAS, COUNTERTOP RECEPTACLES ARE REQUIRED AT EACH SECTION OF COUNTERTOP 12" OR WIDER. RECEPTACLES ARE TO BE SPACED SUCH THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24" MEASURED HORIZONTALLY FROM A RECEPTACLE OUTLET IN THAT SPACE. COUNTERTOP SPACE SHALL BE CONSIDERED CONTINUOUS WHEN THE SPACE IS 12" OR DEEPER BEHIND A SINK, COUNTERTOP, COOKING UNIT OR RANGE PLACED PARALLEL TO A WALL OR 18" OR DEEPER BEHIND A SINK, COUNTERTOP COOKING UNIT OR RANGE PLACED IN A CORNER CONFIGURATION(THE 18" IS MEASURED TO THE INSIDE CORNER OF THE WALL ALONG A LINE THAT IS PERPENDICULAR TO THE REAR OF THE SINK, COUNTERTOP COOKING UNIT OR RANGE.)

ALL NON-LOCKING TYPE 125-VOLT, 15 AND 20 AMPERE RECEPTACLES IN A DWELLING UNIT SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. (EXCEPTIONS: (1) RECEPTACLES MORE THAN 5'-6" ABOVE THE FLOOR, (2) RECEPTACLES PART OF A LUMINAIRE OR APPLIANCE, (3) A SINGLE RECEPTACLE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES THAT ARE NOT EASILY MOVED AND LOCATED WITHIN DEDICATED SPACE AND ARE CHORD-AND-PLUG CONNECTED AS PER CEC 400.7, AND (4)

NON-GROUNDING RECEPTACLES USED FOR REPLACEMENTS AS PERMITTED IN CEC 406.4 (D)(2)(a)

ALL KITCHEN COUNTERTOP RECEPTACLES ARE TO BE GFCI PROTECTED. RECEPTACLES WITHIN 6
FEET OF ANY SINK ARE TO BE GFCI PROTECTED.

RECEPTACLES IN WET LOCATIONS TO HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER OR

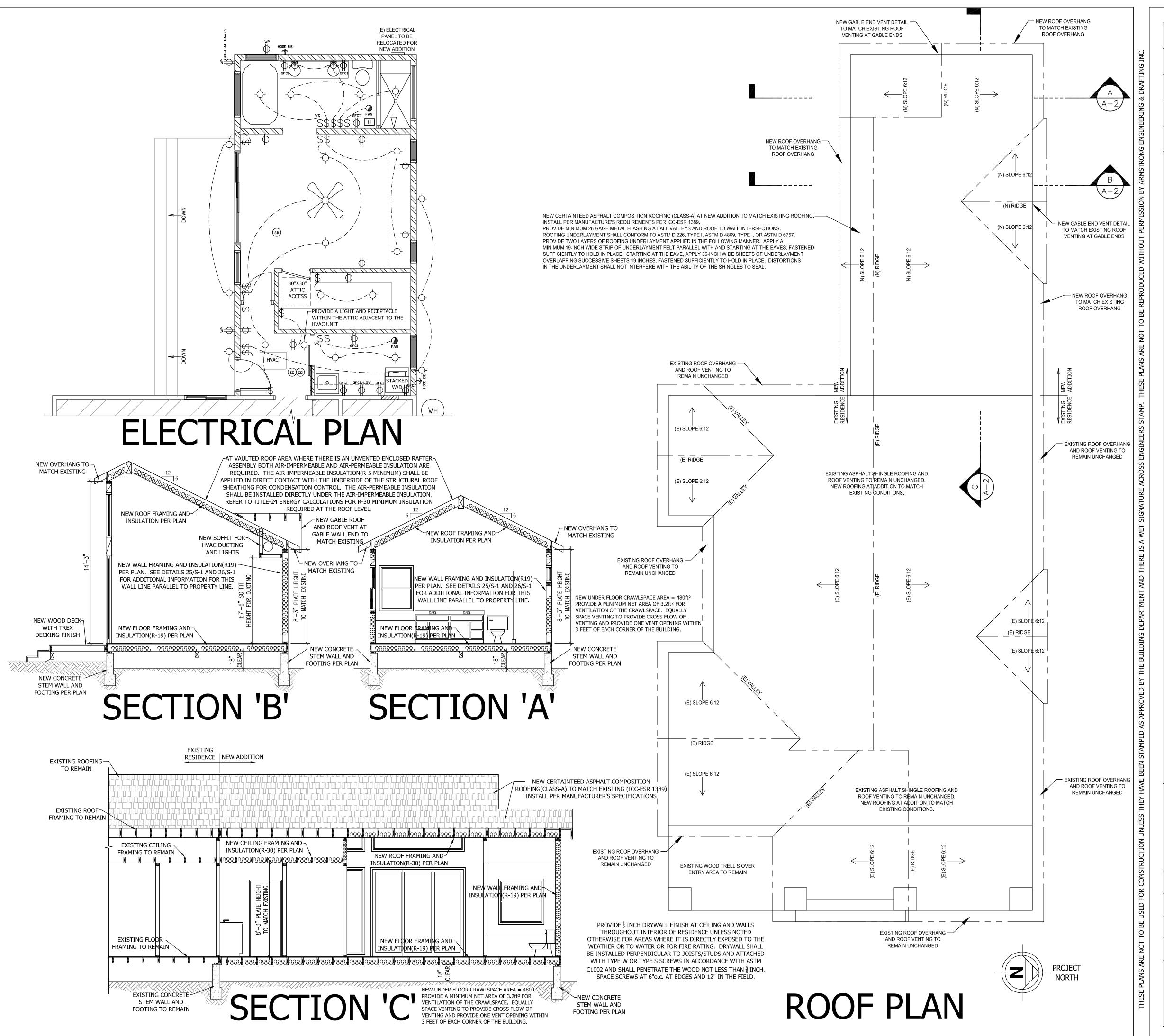
PROVIDE MANUFACTURER'S LITERATURE SHOWING PROPOSED LED AND/OR LOW VOLTAGE LIGHT FIXTURES ARE HIGH EFFICACY. TO BE CONSIDERED HIGH EFFICACY, THE FIXTURE MUST MEET THE

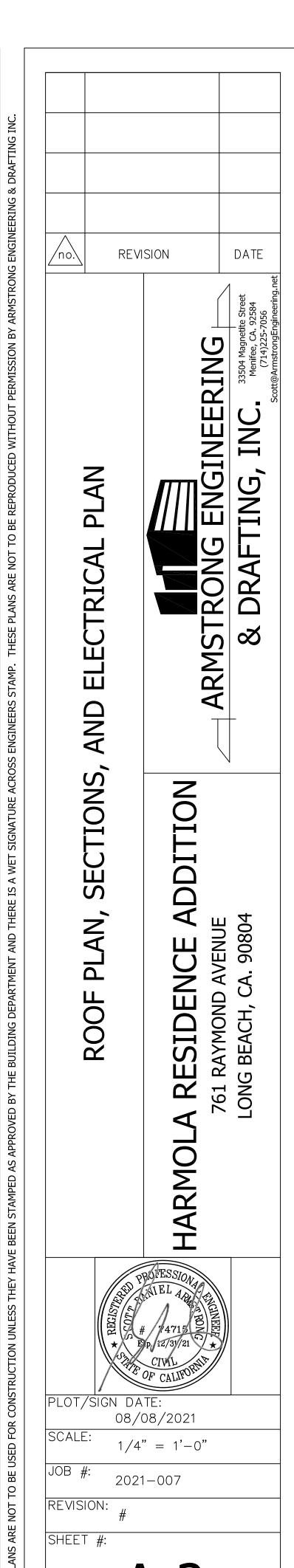
KITCHEN INTERNAL CABINET LIGHTING IS NOT TO EXCEED 20 WATTS PER LINEAR FOOT.

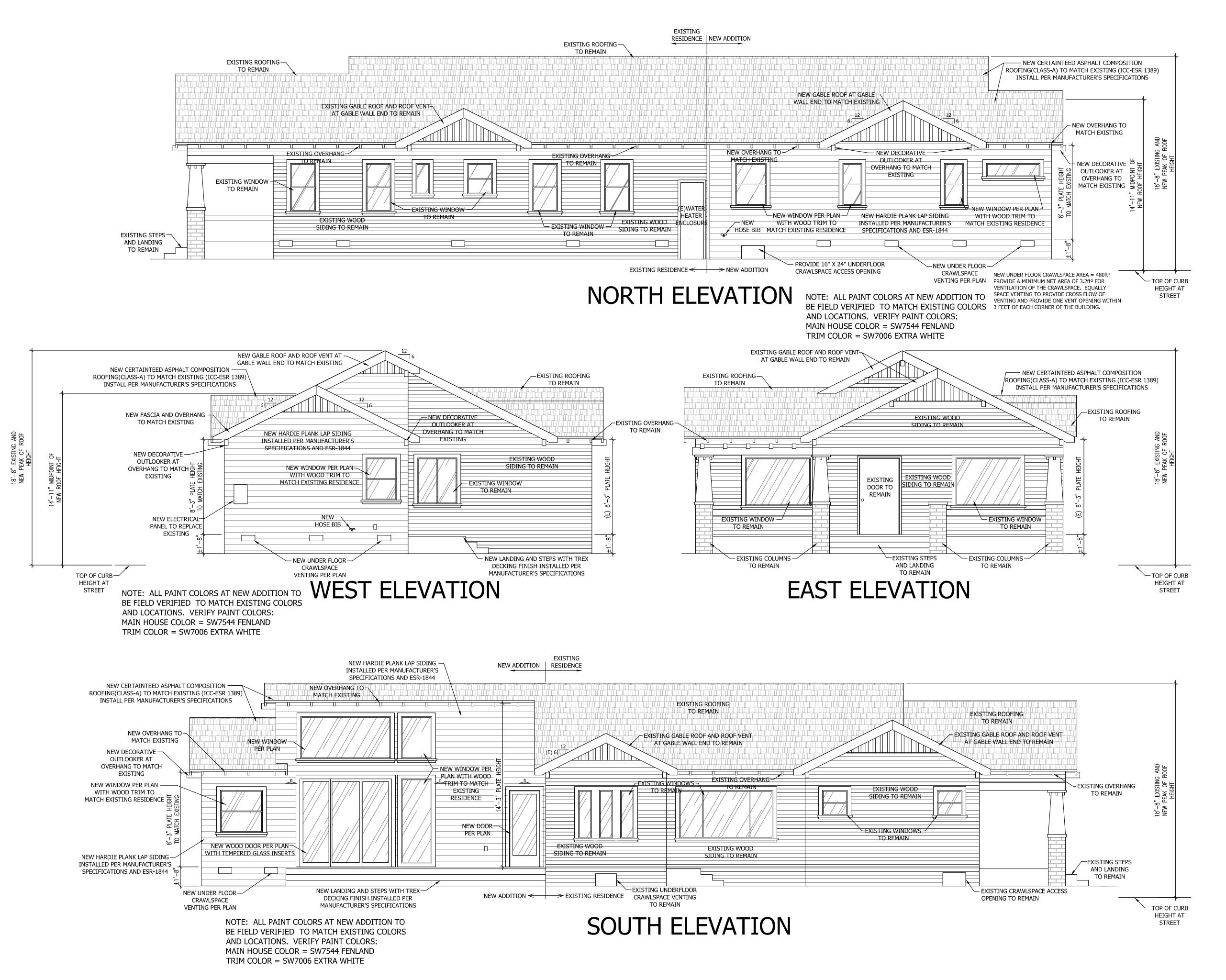
NEW PERMANENTLY INSTALLED OUTDOOR LIGHTING MUST BE HIGH EFFICACY AND CONTROLLED BY A MANUAL ON AND OFF SWITCH THAT PERMITS THE AUTOMATIC ACTION OF A PHOTOCELL AND

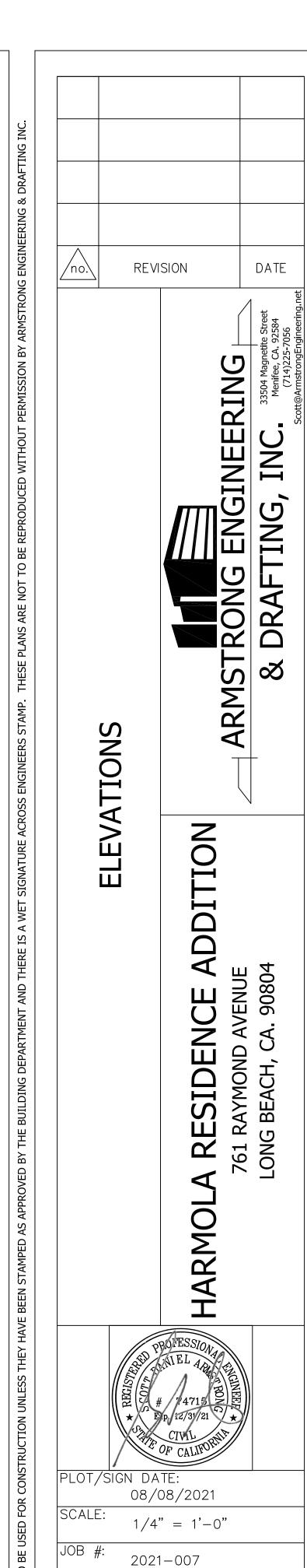
IN BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS, AT LEAST ONE LUMINAIRE IN EACH OF THESE SPACES SHALL BE CONTROLLED BY A VACANCY SENSOR.

EITHER A MOTION SENSOR OR AN AUTOMATIC TIME SWICTH CONTROL.









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