### Application for Design Review by the County Coastside Design Review Committee

### Planning and Building Department

County Government Center # 455 County Center # Redwood City CA 94063 Mail Drop PLN 122 # 650 • 363 • 4161 # FAX 650 • 363 • 4849

County Coastside Design	Permit #: PLN 2022 - 00176
Review Committee	Other Permit #:
1. Basic Information	
Applicant:	Owner (if different from Applicant):
Name: RAY W. HEKKERT	Name: SAME
Address: P.o. Box 1961	Address
L GRANASA CA. Zip: 94018	Zip:
Phone, W: 408 - 398 - 85271:	Phone,W: H:
Email: RHEKKERT @ AOL. COM	Email:
Architect or Designer (if different from Applicant):	
Name: DEEPAK PATANKAR EVO	7in:
Phone, W: 415 - 312 - 04541:	Email: DEEPAK @ EVOCOARCH.CO
APN: 047 - 206 - 160, 170 PREV.  Address: RIGHT OF 509 AVE. ALHAMBRA  Zip: 94018  Zoning: S-3/R-3  Parcel/lot size: 5, 165 sq. ft.	
3. Project Description	
Project:  □ New Single Family Residence:	Coastal Development Permit  Fence Height Exception (not permitted on coast)
Describe Project:	Grading Permit or Exemption  Home Improvement Exception
3 UNIT RENTAL PROPERTY WITH ATTACHED ADU	□ Non-Conforming Use Permit □ Off-Street Parking Exception
	□ Variance

Fill in Blanks:	nd Finish of Proposed Buildin  Material	Color/Finish (If different from existing, attach sample)	Check if matches existing
		/	
a. Exterior walls	STUCCO HARDIE PAWEL	WHITE BROWN TAN	
b. Trim	CEDAL	19N/BLACK	
c. Windows	ALUMINUM	BLACK	
d. Doors	FIBERGUASS	ACCENT COLOR	
e. Roof	AT / PARAPET/PUC MÉMBRANE	GRAY	
f. Chimneys	MONE		
g. Decks & railings	PVC MEMBRANE STEEL RAILING	is BLACK	
h. Stairs	ALL STAIRS INTÉRIOR		
i. Retaining walls	MONE		
j. Fences	REDWOOD	CLEAR STAIN	
k. Accessory buildings	SAMÉ FINISHES		
I. Garage/Carport	ENCLOSED GALAGES		
ncluding the required fir applicable to the location (optional) Applica	on, the County must determine that this project does conform to the standings that the project does conform to the standing of the project pursuant to Section 6565.10.  Int's Statement of project compliance with standing or the project complex compliance with standing or the project complex co	andards and guidelines for design revi	ew
6. Signatures			
support of the application San Mateo through my a	Information stated above and on forms, plans, and is true and correct to the best of my knowled assigned project planner of any changes to info	ige. It is my responsibility to inform the	e County o als.
10/28/	/22	10/28/22	

### Planning and Building Department

### Application for a Coastal Development Permit

**Companion Page** 

455 County Center , 2nd Floor • Redwood City, CA 94063 Mail Drop: PLN 122 • TEL (650) 363-4161 • FAX (650) 363-4849

Applicant's Name: Ray W. Hekkert	
Primary Permit #:	

### 1. Instructions

Please fill out the general Planning Permit Application Form and this form when applying for a Coastal Development Permit. You must also submit all items indicated on the checklist found on the reverse side of the Planning Permit Application Form.

Does the owner or applicant own any adjacent property not listed?  Yes No  If yes, list Assessor's Parcel Number(s):  O47 _ 206 _ 250	Have you or anyone else previously applied to either the County of San Mateo or the California Coastal Commission for a Coastal Development Permit for this or a similar project at this location?  □ Yes □ No  If yes, explain (include date and application file numbers).

Note: By completing this section you do not need to file a separate application for Design Review Approval.

Fill in Blanks:	Material stucco/Hardie panel/cedar	Color/Finish white/brown/tan	matches existing
b. Trim	cedar	tan/black	
c. Roof	flat/parapet/pvc membrane	gray	
d. Chimneys	none		
e. Accessory Buildings	ADU similar		
f. Decks/Stairs	pvc membrane/ steel railings	tan	
g. Retaining Walls	none		
h Fences	redwood	clear stain	
i. Storage Tanks	none	5.V 10 10 10 10 10 10 10 10 10 10 10 10 10	

4. Project Information					
Does this project, the parcel on which it is loc immediate vicinity involve or include:	cated or	the	p. Between the sea and the nearest public road?		v
	Yes	No	q. Existing or proposed provisions for public access to the shoreline?		
a. Demolition of existing housing units? (If yes, give value of owner-occupied		$\checkmark$	r. Public or commercial recreation facilities?		V
units or current monthly rent of rental units in explanation below.)			s. Visitor-serving facilities?		✓
b. Creeks, streams, lakes or ponds?		V	t. Existing or proposed public trail		
c. Wetlands (marshes, swamps, mudflats)?		$\checkmark$	easements?		V
d. Beaches?		~	Explain all Yes answers below. Indicate		
e. Sand Dunes?			item applies to the project itself, the parcel or located, or the immediate vicinity (attach add	itional sh	neets if
f. Sea cliff, coastal bluffs or blufftops?		V	necessary):		
g. Ridgetops?		V			
h. Pampas Grass, invasive brooms or Weedy Thistle?					
i. Removal of trees or vegetation?		V			
j. Grading or alteration of landforms?		V			
k. Landscaping?					
I. Signs?		V			
m. Phone or utility line extensions or connections, either above or below ground (explain which)?		Ø			
n. Areas subject to flooding?		V			
o. Development on slopes 30% or steeper?					
5. Staff Use Only					
California Coastal Commission Jur	isdicti	ion	Commission; a public hearing is always requir	ed.	
A. Does the Proposed Project Involve:			<b>B.</b> Does the proposed project involve lands b	elow the	e mean
<ol> <li>A subdivision, Certificate of Compliance Ty Permit, or Planned Agricultural District Perm</li> </ol>		se	high tide line and lands where the public (See "Post CCP Certification Permit and App Map).		
☐ Yes ☐ No			Yes No		
<ol><li>Construction or grading within 100 feet of wetland?</li></ol>	f a stream	m or	2 163		
☐ Yes ☐ No			Yes to above means that the California Coasta		
3. A parcel located between the sea and the through road paralleling the sea; 300 feet extent of any beach or mean high tide line beach; or within 300 feet of the top of the a coastal bluff?	from the	e inland is no	retains permit jurisdiction over all or part of the project. A Coastal Development Permit from the required.  Reviewed by:		
☐ Yes ☐ No					
Yes to any one of the above means that the O Development Permit is appealable to the Coa					

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### Planning and Building Department

### **Planning Permit Application Form**

455 County Center, 2nd Floor • Redwood City CA 94063
Mail Drop, PLN 122 • TEL (650) 363-4161 • FAX (650) 363-4849
www.co.sanmateo.ca.us/planning

	BLD:	
Applicant/Owner Information		
Applicant: RAY HEKKERT		
Mailing Address: P.O. Box 1961		
EL GRANADA CA.	zip: 94018	
Phone, W: 408-398-8527	H	
E-mail Address: RHEKKERTCAOL. Co	M FAX:	
Name of Owner (1):	Name of Owner (2):	
Mailing Address:	Mailing Address:	
SAME		
Zip:	Zip:	
Phone,W:	Phone,W:	
H:	H:	
E-mail Address:	E-mail Address:	
Project Information		
Project Location (address): To THE	Assessor's Parcel Numbers:	
RIGHT OF SO9 AVE.	047-206-160 047 206-170	PREVIOUS
ALHAMBRA EL GRANADA	047-106-660	RENT
Zoning: 5-3/R-3	Parcel/lot size: 5/65 SF (Square Feet)	
Describe Existing Site Conditions/Features (e.g. topography,	water bodies, vegetation):	
	NO TREES, FENCED ON	
THREE SIDES	, , , , , , , , , , , , , , , , , , , ,	
a. 5 kilo Suntana and (as Davelopment		
Describe Existing Structures and/or Development:		
NONE		
Signatures		
We hereby certify that the information stated above and on it of the application is true and correct to the best of our know through our assigned project planner of any changes to info	forms, plans and other materials submitted herewith in support ledge. It is our responsibility to inform the County of San Mateo rmation represented in these submitalls.	
Owner's signature:	V	
Owner's signature:	4	

# PLAZA ALHAMBRA DEVELOPMENT

# 513 AVENUE ALHAMBRA, EL GRANADA, CA 94018

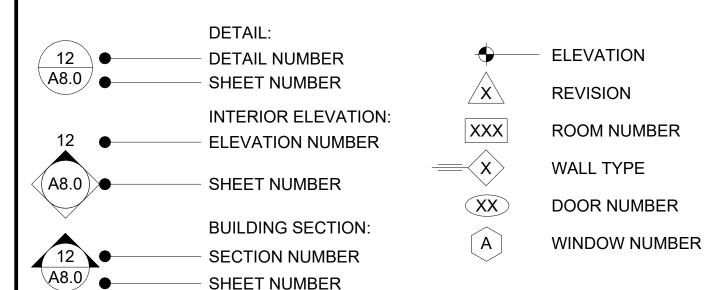
### **GENERAL NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO CALIFORNIA CODE OF REGULATIONS TITLE 24 AND 2019 CBC, CMC, CPC, AND 2019 CEC, 2019 CFC. AND THE 2019 ENERGY CODE, ANY OTHER GOVERNING CODES. AMENDMENTS, RULES, REGULATIONS, ORDINANCES, LAWS, ORDERS, APPROVALS ETC. THAT ARE REQUIRED BY APPLICABLE PUBLIC AUTHORITIES. IN THE EVENT OF CONFLICT THE MOST STRINGENT REQUIREMENTS SHALL APPLY.
- ANY ERRORS, OMISSIONS OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE OWNER BEFORE PROCEEDING WITH THE WORK. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS OF PLANS FOR BID PURPOSES PRIOR TO ISSUANCE OF THE BUILDING PERMIT. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE PRIOR TO THE BEGINNING OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- CONTRACTOR IS TO MAINTAIN ALL PROPER WORKMAN'S COMPENSATION AND LIABILITY INSURANCE THROUGHOUT THE DURATION OF THE PROJECT
- ALL WORK SHALL BE PERFORMED SUCH THAT DAMAGE TO EXISTING LANDSCAPE AND/OR PERSONAL PROPERTY IS PREVENTED OR MINIMIZED.
- CONTRACTOR SHALL TAKE MEASURES TO PROTECT ADJACENT PROPERTIES. USE VISQUEEN. PLYWOOD ETC TO MINIMIZE NOISE DUST ETC.
- IN THE EVENT THAT FOUNDATION EXCAVATION MIGHT AFFECT ADJACENT PROPERTIES, CONTRACTOR SHALL TAKE ALL APPROPRIATE STEPS TO NOTIFY THE PROPERTY OWNER OF THE CONDITION, AND TO ADEQUATELY PROTECT THE ADJACENT STRUCTURE
- UNLESS NOTED OTHERWISE, WRITTEN DIMENSIONS ON THE PLANS SHALL BE FROM FACE OF STUD, BEAM OR CONCRETE UNLESS OTHERWISE NOTED. EXTERIOR WALLS ARE DIMENSIONED TO FACE OF SHEATHING U.O.N.
- DIMENSIONS ARE TO THE TOP OF FIN FLOOR SLAB OR DECKING SECTION AND ELEVATION U.O.N.
- DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.
- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO INCLUDE ALL LABOR, MATERIALS, AND SERVICES NECESSARY FOR THE COMPLETION OF ALL WORK SHOWN, DESCRIBED, OR REASONABLY IMPLIED, BUT NOT LIMITED TO THAT EXPLICITLY INDICATED IN THE CONTRACT DOCUMENTS.
- THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE GENERAL CONTRACTOR OR SUBCONTRACTORS FROM RESPONSIBILITY FOR DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS UNLESS HE HAS, IN WRITING, CALLED THE ARCHITECT'S ATTENTION TO SUCH DEVIATIONS AT THE TIME OF SUBMISSION, NOR SHALL IT RELIEVE HIM FROM RESPONSIBILITY FOR ERRORS OF ANY KIND IN THE SHOP DRAWINGS.
- 12. UNLESS OTHERWISE SHOWN OR NOTED. TYPICAL DETAILS AND GENERAL NOTES SHALL BE USED WHENEVER APPLICABLE.
- DIMENSIONS SHOWN IN FIGURES TAKE PRECEDENCE OVER DIMENSIONS SCALED FROM DRAWINGS. LARGE SCALE DRAWINGS AND DETAILS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
- THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREA FREE FROM DUST AND DEBRIS. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR AND WATER POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT.
- THE CONTRACTOR SHALL CHECK AND VERIFY SIZE AND LOCATION OF DUCT OPENINGS AND PLUMBING RUNS WITH MECHANICAL CONTRACTOR BEFORE FORMING WALLS, FLOORS, ETC.
- THE CONTRACTOR SHALL PROVIDE AND LOCATE ACCESS PANELS AS REQUIRED AFTER INSTALLATION OF MECHANICAL DUCTS, PLUMBING, AND ELECTRICAL WORK.
- THE CONTRACTOR SHALL PROVIDE PEDESTRIAN PROTECTION IN ACCORDANCE WITH CHAPTER 44, UBC.
- IF TRENCHES OR EXCAVATIONS 5' OR MORE IN DEPTH ARE REQUIRED. OBTAIN NECESSARY ISSUANCE OF A BUILDING OR GRADING PERMIT.
- PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, THE APPLICANT SHALL HAVE EVIDENCE OF CURRENT WORKMAN'S COMPENSATION INSURANCE COVERAGE ON FILE WITH THE DEPARTMENT IN COMPLIANCE WITH SECTION 3800 OF THE CALIFORNIA LABOR CODE.
- 20. ALL PUBLIC UTILITY TIE-INS TO COMPLY WITH LOCAL REQUIREMENTS.
- 21. ALL THERMAL AND ACOUSTICAL INSULATION BATTS SHALL BE NON-COMBUSTIBLE.
- 22. ALL TUB/SHOWER SURFACES TO BE OF NON-ABSORBENT MATERIAL.
- 23. CONNECT ALL AREA DRAINS AND RWL TO STORM SEWER, TYP., SLOPE LINES MIN. 1/4" PER FT., TYP.
- 24. PROVIDE ADEQUATE BACKING AT ALL CABINETS AS REQUIRED.
- 25. ALL UNPAINTED WOOD TRIM TO BE STAIN GRADE FIR.

### **GENERAL NOTES**

- 26. ALL BATHROOMS/POWER ROOMS & LAUNDRY ROOMS SHALL BE PROVIDED W/ MECH. VENTILATION IN ACCORDANCE W/ 2019 CRC AND 2019 CMC
- PER CRC 2019 SECTION R312 GUARDS AND WINDOW FALL PROTECTION R312.1.2 HEIGHT REQUIRED GUARDS AT OPEN-SIDED WALKING SURFACES. INCLUDING STAIRS, PORCHES, BALCONIES OR LANDINGS, SHALL BE NOT LESS THAN 42 INCHES (1067 MM) IN HEIGHT AS MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE OR THE LINE CONNECTING THE NOSINGS. EXCEPTIONS: GUARDS ON THE OPEN SIDES OF STAIRS SHALL HAVE A HEIGHT OF NOT LESS THAN 34 INCHES (864 MM) MEASURED VERTICALLY FROM A LINE CONNECTING THE NOSINGS. WHERE THE TOP OF THE GUARD SERVES AS A HANDRAIL ON THE OPEN SIDES OF STAIRS, THE TOP OF THE GUARD SHALL BE NOT LESS THAN 34 INCHES (864 MM) AND NOT MORE THAN 38 INCHES (965 MM) AS MEASURED VERTICALLY FROM A LINE CONNECTING THE NOSINGS
- PER CRC 2019 SECTION R312 GUARDS AND WINDOW FALL PROTECTION R312.1.3 OPENING LIMITATIONS REQUIRED GUARDS SHALL NOT HAVE OPENINGS FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT THAT ALLOW PASSAGE OF A SPHERE 4 INCHES (102 MM) IN DIAMETER. EXCEPTIONS: THE TRIANGULAR OPENING AT THE OPEN SIDE OF STAIR FORMED BY THE RISER, TREAD AND BOTTOM RAIL OF A GUARD, SHALL NOT ALLOW PASSAGE OF A SPHERE 6 INCHES (153 MM) IN DIAMETER. GUARDS ON THE OPEN SIDE OF STAIRS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 43/8 INCHES (111 MM) IN DIAMETER.
- PER CBC 1003.3.3.9 ALL ENCLOSED SPACES UNDER INTERIOR STAIRWAYS SHALL BE CONSTRUCTED WITH A 1-HR. FIRE RATING.
- SMOKE ALARMS ARE TO BE INSTALLED IN ALL SLEEPING ROOMS AND HALLWAYS. SMOKE ALARMS SHALL BE HARDWIRED TO 110 V HOUSE WIRING AND WIRED TOGETHER IN SERIES. MINIMUM ONE ALARM PER STORY. SFF PLANS FOR LOCATIONS
- ALL CHANGES IN FLOOR MATERIAL SHALL OCCUR AT THE CENTERLINE OF THE DOOR OR FRAMED OPENING UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 32. PROVIDE WOOD BACKING FOR ALL TOWEL BARS, ACCESSORIES ETC.
- 33. ALL MATERIALS AND EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- 34. WINDOW AND DOOR SIZES ARE NOMINAL DIMENSIONS. REFER TO MANUFACTURERS SPECIFICATIONS FOR ROUGH OPENING DIMENSIONS WHERE LOCATIONS OF WINDOWS ARE NOT DIMENSIONED THEY SHALL BE CENTERED ON THE WALL.
- WHERE LOCATIONS OF DOORS ARE NOT DIMENSIONED, THE DOOR SHALL BE PLACED 4 INCHES AWAY FROM THE EDGE OF THE WALL

### **SYMBOLS**



### APPLICABLE CODES

CALIFORNIA CODE OF REGULATIONS TITLE 24, 2019 CBC, CMC, CPC, CEC, CALIFORNIA ENERGY CODE, CFC, AND ANY LOCAL GOVERNING CODES AND ORDINANCES.

**ARCHITECT** 

470 NOOR AVE, # 1098

PHONE: (415) 312-0454

**EVOCO ARCHITECTURE | INTERIORS** 

SO SAN FRANCISCO, CA 94080

CONTACT: DEEPAK PATANKAR

### PROJECT DIRECTORY

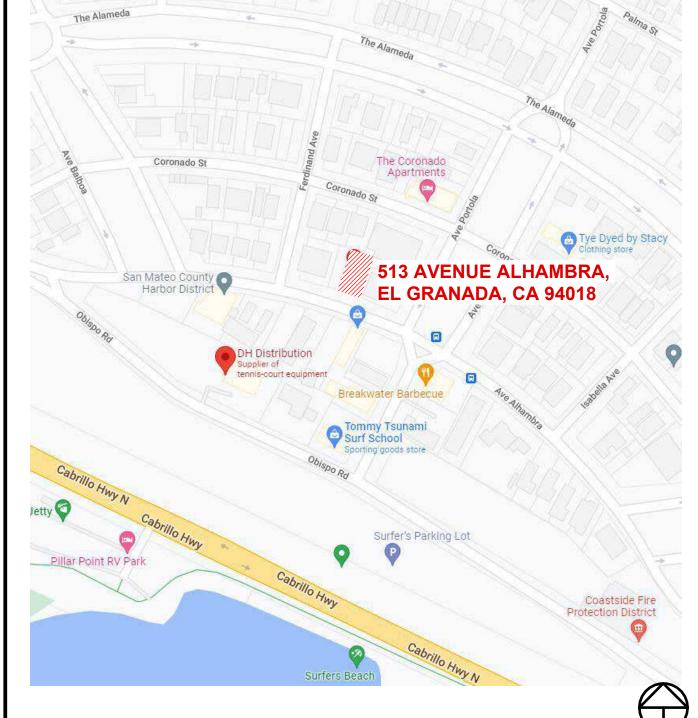
### **OWNER** HARVEST CONSTRUCTION

P.O. BOX 1961 EL GRANADA CA. 94018 CONTACT: RAY W HEKKERT

# **ENGENEER**

SIGMA PRIME GEOSCIENCES **CONTACT: CHARLES KISSICK** SIGMAPRM@GMAIL.COM PHONE: 650-728-3590

### PLOT PLAN



## PROJECT DATA

<u>LOCATION</u>

RISDICTION	COUNTY OF SAN MATEO

513 AVENUE ALHAMBRA EL GRANADA, CA 94018

APN# 047206260

**LOT COVERAGE** 2183 / 5165 = 42%

BLOCK/LOT BLOCK 26 / LOT 20-21

**LOT AREA** 5.165 SQ. FT.

R-3 **OCCUPANCY** 

**ZONING** R-3 / S-3 / DR / CD

**CONSTRUCTION TYPE** 

**STORIES** THREE (PROPOSED)

**PARKING REQUIRED** 1.5 SPACES X 3 = 4.5 SPACES = 4 SPACES + 1 SPACE (ADU) - 5 SPACES

**PARKING PROVIDED** 5 SPACES

### **BUILDING AREA**

	<u>UNIT 1</u>	<u>UNIT 2</u>	<u>UNIT 3</u>	<u>ADU</u>	
LEVEL 1	437 SF	374 SF	752 SF	470 SF	
LEVEL 2	578 SF	603 SF	646 SF	-	
LEVEL 3	578 SF	646 SF	646 SF	-	
TOTAL	1,593 SF	1,622 SF	2,044 SF	470 SF	
BATHS	3 X 2.5 + 1	8.5 TOTAL	BATHS		

### INDEX OF DRAWINGS

TITLE SHEET A-0.1 NOTES

A-0.2 PERSPECTIVES

A-0.4 SITE PLAN, DOOR AND WINDOW SCHEDULES PROPOSED FLOOR & CEILING PLAN - 1ST FLOOR A-2.1

A-2.2 PROPOSED FLOOR & CEILING PLAN - 2ND FLOOR A-2.3 PROPOSED FLOOR & CEILING PLAN - 3RD FLOOR

A-2.7 PROPOSED ROOF PLAN

A-3.1 PROPOSED EXTERIOR ELEVATION

A-3.2 PROPOSED EXTERIOR ELEVATION

A-4.0 PROPOSED SECTION

A-4.1 PROPOSED ADU - PLAN, ELEVATION & SECTIONS

A-6.0 **DETAILS** 

C-1 GRADING AND DRAINAGE PLAN

L-1 LANDSCAPE PLAN

SU-1 **BOUNDARY AND TOPOGRAPHIC SURVEY** 

PLANS SHALL COMPLY WITH TITLE 24 ENERGY EFFICIENCY REQUIREMENTS AND ALL MANDATORY MEASURES

### SCOPE OF WORK

NORT

THREE NEW RESIDENTIAL UNITS AND 1 ADU (IN THE REAR SETBACK)

PARKING REQUIRED IS 5 SPACES WHERE 4 SPACES ARE PROVIDED 2 UNCOVERED SPACES IN DRIVEWAYS WITHIN THE FRONT SETBACK

**SECTION 6406**. FOR THE PURPOSE OF COMPUTING FRONT YARD DIMENSIONS THE MEASUREMENT SHALL BE TAKEN FROM THE NEAREST POINT OF THE FRONT WALL OF THE BUILDING TO THE STREET LINE; PROVIDED, HOWEVER, THAT IF AN OFFICIAL PLAN LINE HAS BEEN ESTABLISHED FOR THE STREET, THEN THE MEASUREMENT SHALL BE TAKEN FROM THE NEAREST POINT OF THE FRONT WALL OF THE BUILDING TO SUCH OFFICIAL PLAN LINE: EXCEPT THAT THE CERTAIN ARCHITECTURAL FEATURES HEREINAFTER ENUMERATED SHALL NOT BE CONSIDERED IN MAKING SUCH MEASUREMENTS:

(A) CORNICES, CANOPIES, EAVES, CHIMNEYS, OR ANY OTHER ARCHITECTURAL FEATURES MAY EXTEND INTO SAID FRONT, SIDE, OR REAR YARD, A DISTANCE NOT EXCEEDING TWO (2) FEET, PROVIDED THAT NO SUCH ARCHITECTURAL FEATURE SHALL EXTEND TO WITHIN TWO (2) FEET OF ANY SIDE OR REAR LOT

### APPROVAL STAMP

HARVEST CONTRUCTION P.O. BOX 1961 EL GRANADA CA. 94018 RAY W HEKKERT

**EVOCO ARCHITECTURE &** 

SO SAN FRANCISCO CA 94080

470 NOOR AVE, # 1098

**INTERIORS** 

415.312.0454

**REVISION** 

DATE/DESC

51; EL

SEAL:

TITLE SHEET

AUGUST 22, 2022

22108

DATE:

DRAWN

SCALE: **AS NOTED** JOB #:

FOLLOWING IS A LISTING OF THE GENERAL REQUIREMENTS FOR REPLACING WATER LINES

WATER DISTRIBUTION PIPES SHALL BE COPPER (TYPE L OR M), MALLEABLE IRON,

GALVANIZED STEEL, CPVC, PEX, OR OTHER APPROVED MATERIAL AND SHALL BE IN

NOTE: WHERE PLASTIC PIPING IS USED, A LABEL SHALL BE FASTENED TO THE MAIN

ALL DOMESTIC WATER PIPING IN THE FOLLOWING CONDITIONS/LOCATIONS

THE FIRST 5' OF HOT AND COLD WATER PIPES FROM THE STORAGE TANK (I.E.

ALL PIPING WITH A DIAMETER OF 3/4" OR LARGER, INCLUDING UNDERGROUND

ALL HOT WATER PIPES FROM THE WATER HEATER TO THE KITCHEN FIXTURES.

ALL PIPING ASSOCIATED WITH A HOT WATER RECIRCULATION SYSTEM

PIPING FROM THE WATER HEATER TO A STORAGE TANK OR BETWEEN

MATERIALS, EXCEPT VALVES AND SIMILAR DEVICES, UNLESS OTHERWISE APPROVED

DIELECTRIC UNIONS SHALL BE USED AT ALL POINT OF CONNECTION WHERE

WHEN CONNECTING PLASTIC PIPE TO OTHER TYPES OF PIPING, APPROVED

TYPES OF FITTINGS AND ADAPTERS DESIGNED FOR THE SPECIFIC TRANSITION

BE INSTALLED AT ALL SUCH CONNECTIONS (CEC 250.68(B) AND 250.104).

NON-REMOVABLE BACKFLOW PREVENTION DEVICES ARE REQUIRED ON ALL HOSE

IF SHEAR WALLS, BRACED WALL PANELS, OR FIREWALLS ARE COMPROMISED OR

ALTERED DURING THE RE-PIPE, THESE AREAS ARE REQUIRED TO BE INSPECTED

ALL MATERIALS USED IN THE WATER DISTRIBUTION SYSTEM SHALL BE OF LIKE

BY THE CHIEF BUILDING OFFICIAL (CPC 604.1). FOLLOWING ARE ACCEPTABLE

BASED ON THE 2019 CALIFORNIA PLUMBING CODE, 2019 CALIFORNIA ELECTRICAL CODE.

THIS BROCHURE IS INTENDED TO PROVIDE GENERAL INFORMATION, CONTACT THE

BUILDING SAFETY DIVISION FOR ANY QUESTIONS OR ADDITIONAL INFORMATION.

WATER PIPING PERMIT REQUIREMENTS

ACCORDANCE WITH NSF 61. (CPC 604)

DISTRIBUTION LINES." (IAPMO IS 8-2006)

WATER HEATER TANK).

SHALL BE INSULATED (CEES 150.0(J)2A):

PIPING FROM THE METER TO THE HOUSE.

STORAGE TANKS.PIPING BURIED BELOW GRADE.

REGARDLESS OF THE PIPE DIAMETER.

METHODS OF JOINING DISSIMILAR MATERIALS:

OF BRASS ADAPTER FITTINGS.

SHALL BE USED.

BIBS. (CPC 603.3)

**EVOCO ARCHITECTURE &** 

NOTES

DATE: **AUGUST 22, 2022** SCALE: **AS NOTED** JOB #:

22108 DRAWN

**TUB AND SHOWER ENCLOSURE PERMIT REQUIREMENTS** 

FOLLOWING IS A LISTING OF THE GENERAL REQUIREMENTS BASED ON THE 2019 CALIFORNIA BUILDING CODE, 2019 CALIFORNIA RESIDENTIAL CODE, 2019 CALIFORNIA ELECTRICAL CODE, 2019, CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN), AND 2019 CALIFORNIA ENERGY EFFICIENCY STANDARDS.

**TUB/SHOWER REQUIREMENTS** 

- THE MIXING VALVE IN A SHOWER (INCLUDING OVER A TUB) SHALL BE PRESSURE BALANCING SET AT A MAXIMUM 120° F. THE WATER-FILLER VALVE IN BATHTUBS/WHIRLPOOLS SHALL HAVE A TEMPERATURE LIMITING DEVICE SET AT A MAXIMUM OF 120° F. THE WATER HEATER THERMOSTAT CANNOT BE USED TO MEET THESE PROVISIONS. (CPC 408.3, 409.4)
- NEW OR RECONFIGURED SHOWER STALLS SHALL BE A MINIMUM FINISHED INTERIOR OF 1,024 SQUARE INCHES, BE CAPABLE OF ENCOMPASSING A 30 INCH DIAMETER CIRCLE. ANY DOORS SHALL SWING OUT OF THE ENCLOSURE HAVE A CLEAR OPENING OF 22 INCHES MINIMUM. (CPC 408.5, 408.6)
- SHOWER STALLS AND BATHTUBS WITH SHOWER HEADS INSTALLED, SHALL HAVE WALLS FINISHED WITH A NON-ABSORBENT SURFACE FOR A MINIMUM OF 6 FEET ABOVE THE FLOOR. (CBC 1210 AND CRC R307.2)
- HYDRO-MASSAGE TUBS (I.E. JACUZZI TUBS) SHALL HAVE ACCESS TO THE MOTOR, BE SUPPLIED BY A GFCI PROTECTED DEDICATED CIRCUIT, AND BE LISTED BY A RECOGNIZED TESTING AGENCY (I.E. UL). ALL METAL CABLES, FITTINGS, PIPING, OR OTHER METAL SURFACES, WITHIN 5 FEET OF THE INSIDE WALL OF THE HYDRO-MASSAGE TUB SHALL BE PROPERLY BONDED. HYDRO-MASSAGE TUBS SHALL BE BONDED WITH A MINIMUM #8 AWG BARE COPPER WIRE AND THE BONDING SHALL BE ACCESSIBLE. (CEC 680.70)
- UNDERLAYMENT MATERIAL USED AS BACKERS FOR WALL TILE OR SOLID SURFACE MATERIAL IN TUB AND SHOWER ENCLOSURES SHALL BE EITHER GLASS MAT/FIBER-REINFORCED GYPSUM BACKING PANELS (I.E. DENSSHIELD, DENS ARMOR PLUS), NON-ASBESTOS FIBER-CEMENT/FIBER MAT BACK BOARD (I.E. HARDIBACKER, CEMENT BOARD). ALL MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WATER-RESISTANT GYPSUM BOARD (I.E. PURPLE BOARD) MAY BE USED WHEN
  - ATTACHED DIRECTLY TO STUDS, OVERLAYED WITH MINIMUM GRADE B BUILDING PAPER AND WIRE LATH. TILE SHALL BE ATTACHED TO THE WIRE LATH. (CBC 2509 AND CRC R702.4)
- SHOWER FLOORS SHALL BE LINED WITH AN APPROVED SHOWER PAN OR AN ON-SITE BUILT WATERTIGHT APPROVED LINING (I.E. HOT MOP). ON-SITE BUILT SHOWER LININGS SHALL EXTEND A MINIMUM OF 3 INCHES VERTICALLY UP THE WALL AND SHALL BE SLOPED 1/4" PER FOOT TO WEEP HOLES. (CPC 408.7)
- WHEN A CURB IS PROVIDED AT A SHOWER, IT SHALL BE A MINIMUM OF 1 INCH ABOVE THE SHOWER FLOOR AND BETWEEN 2 INCHES AND 9 INCHES ABOVE THE TOP OF THE DRAIN. A WATERTIGHT NAILING FLANGE THAT EXTENDS A MINIMUM OF 1 INCH HIGH SHALL BE INSTALLED WHERE THE SHOWER FLOOR MEETS THE VERTICAL SURFACE OF THE SHOWER COMPARTMENT. THE FINISHED FLOOR OF THE SHOWER COMPARTMENT SHALL BE UNIFORMLY SLOPED BETWEEN 1/4" AND 1/2" PER FOOT TOWARDS TO THE DRAIN. (CPC 408.5)

WHERE A CURB IS NOT PROVIDED AT THE SHOWER COMPARTMENT, THE ENTIRE BATHROOM SHALL BE CONSIDERED A WET LOCATION. THE FLOORING IN THE ENTIRE BATHROOM SHALL COMPLY WITH THE WATER PROOFING REQUIREMENTS DESCRIBED ABOVE FOR SHOWER FLOORS (PREVIOUS BULLET) AND ALL LIGHTING FIXTURES SHALL BE APPROVED FOR WET LOCATIONS.

### WATER CLOSET REQUIREMENTS

- THE WATER CLOSET SHALL HAVE A CLEARANCE OF 30 INCHES WIDE (15 INCHES ON CENTER) AND 24 INCHES IN FRONT. (CPC 402.5)
- WHERE THE WATER CLOSET (OR OTHER PLUMBING FIXTURE) COMES INTO CONTACT WITH THE WALL OR FLOOR, THE JOINT SHALL BE CAULKED AND SEALED TO BE WATERTIGHT. (CPC 402.2)

TEMPERED GLAZING (CBC 2406.4, 2403.1 AND CRC 308.1, R308.4)

TEMPERED GLAZING SHALL BE INSTALLED IN THE LOCATIONS LISTED BELOW. TEMPERED GLAZING SHALL BE PERMANENTLY IDENTIFIED BY A MANUFACTURER MARKING THAT IS PERMANENTLY APPLIED AND CANNOT BE REMOVED WITHOUT BEING DESTROYED (E.G.

- SAND BLASTED, ACID ETCHED, CERAMIC FIRED, LASER ETCHED, OR EMBOSSED). WITHIN A PORTION OF WALL ENCLOSING A TUB/SHOWER WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE STANDING
- SURFACE AND DRAIN INLET. WITHIN 60 INCHES OF A TUB/SHOWER WHERE THE GLAZING IS LESS THAN 60 INCHES
- ABOVE THE WALKING SURFACE. GLAZING ON THE HINGE-SIDE OF AN IN-SWINGING DOOR THAT IS INSTALLED PERPENDICULAR TO A DOOR IN A CLOSED POSITION AND WITHIN 24 INCHES OF THE

### **ELECTRICAL AND LIGHTING REQUIREMENTS**

- ALL RECEPTACLES SHALL BE GFCI PROTECTED AND TAMPER-RESISTANT (TR). IF ANY NEW/ADDITIONAL OUTLETS ARE INSTALLED, THE BATHROOM SHALL HAVE A DEDICATED 20-AMP CIRCUIT. (CEC 210.8, 210.11, 406.12)
- EXHAUST FANS WITH A MINIMUM VENTILATION RATE OF 50 CFM ARE REQUIRED IN ALL BATHROOMS, EVEN IF AN OPERABLE WINDOW IS INSTALLED. EXHAUST FANS AND LIGHTING SHALL HAVE SEPARATE CONTROL SWITCHES (EVEN IF A COMBINATION UNIT IS INSTALLED), THE EXHAUST FAN MAY NEED TO BE SUPPLIED BY A GFCI PROTECTED CIRCUIT BASED ON THE MANUFACTURER'S REQUIREMENTS. (CEES 150.0(K), 150.0(O))
- LIGHTING FIXTURES LOCATED WITHIN 3 FEET HORIZONTALLY AND 8 FEET VERTICALLY OF THE BATHTUB RIM OR SHOWER STALL THRESHOLD SHALL BE LISTED FOR A DAMP LOCATION, OR LISTED FOR WET LOCATIONS WHERE SUBJECT TO SHOWER SPRAY. (CEC 410.10)
- ALL INSTALLED LIGHTING FIXTURES SHALL BE HIGH EFFICIENCY. AT LEAST ONE LIGHT FIXTURE SHALL BE CONTROLLED BY A VACANCY SENSOR SWITCH THAT REQUIRES A MANUAL ON ACTIVATION (DOES NOT AUTOMATICALLY TURN ON) AND AUTOMATICALLY TURNS OFF WITHIN 30 MINUTES AFTER THE ROOM IS VACATED. ALL OTHER LIGHT FIXTURES SHALL BE CONTROLLED BY A VACANCY
- ALL LIGHT FIXTURES SHALL CONTAIN BULBS THAT ARE LABELED AS JA8-2019 (JA8-2019-E FOR SEALED LENS OR RECESSED FIXTURE). SCREW BASE BULBS ARE PERMITTED, EXCEPT IN RECESSED LIGHTING FIXTURES.
- RECESSED LIGHTING SHALL BE LISTED AS IC (ZERO CLEARANCE TO INSULATION) AND AT (AIR TIGHT), BE SEALED/CAULKED BETWEEN THE FIXTURE HOUSING AND CEILING, SHALL NOT CONTAIN A SCREW BASE SOCKET, AND CONTAIN BULBS MARKED WITH JA8-2019-E EFFICIENCY LABEL. (CEES 150.0(K))

### WATER EFFICIENT PLUMBING FIXTURES (CALGREEN 301.1.1)

RESIDENTIAL BUILDINGS UNDERGOING PERMITTED ALTERATIONS, ADDITIONS, OR REMODELS ARE REQUIRED TO REPLACE ALL NON-COMPLIANT PLUMBING FIXTURES (BASED ON WATER EFFICIENCY) THROUGHOUT THE HOUSE WITH WATER-CONSERVING PLUMBING FIXTURES. THE FOLLOWING TABLE SHOWS WHAT IS CONSIDERED TO BE A NON-COMPLIANT PLUMBING FIXTURE AND THE CURRENT WATER EFFICIENCY STANDARDS FOR VARIOUS PLUMBING FIXTURES. ALL EXISTING NON-COMPLIANT PLUMBING FIXTURES SHALL BE REPLACED WIT

/ITH FIXTURES I	MEETING THE CURRE	ENT STANDARDS. *		
BONDING JUMPER SIZING				
PLUMBING NON-COMPLIANT FIXTURE PLUMBING FIXTURE		CURRENT STANDARD FOR THE MAXIMUM FLOW RATE OF NEWLY INSTALLED PLUMBING FIXTURES		
WATER CLOSET (TOILET)	GREATER THEN 1.6 GALLONS/FLUSH	1.28 GALLONS/FLUSH		
SHOWERDEAD	GREATER THEN 2.5 GALLONS/MINUTE	2.0 GALLONS/MINUTE AT 80psi		
FAUCET-BATH ROOM	GREATER THEN 2.2 GALLONS/MINUTE	1.2 GALLONS/MINUTE AT 60psi		
FAUCET-KITCHEN	GREATER THEN 2.2 GALLONS/MINUTE	1.8 GALLONS/MINUTE AT 60psi (average)		

\* RESIDENTIAL BUILDING CONSTRUCTED AFTER JANUARY 1, 1994 ARE EXEMPT FROM THIS REQUIREMENT.

SMOKE AND CARBON MONOXIDE ALARMS (CBC 907.2.11, CRC 314 AND 315) SMOKE ALARMS SHALL BE INSTALLED ON THE CEILING OR WALL (BETWEEN 4" AND 12" OF THE CEILING) IN ALL SLEEPING ROOMS, EACH AREA/HALLWAY LEADING TO SLEEPING ROOMS, EACH FLOOR LEVEL OF THE BUILDING, AND IN ANY BASEMENT. SMOKE ALARMS SHALL BE REPLACED 10 YEARS AFTER THE DATE OF MANUFACTURE LISTED ON THE ALARM (IF NO DATE IS LISTED THE ALARM SHALL BE REPLACED). NEWLY INSTALLED SMOKE ALARMS SHALL HAVE A 10-YEAR BATTERY.

CARBON MONOXIDE (CO) ALARMS SHALL BE INSTALLED ON THE CEILING OR WALL (ABOVE THE DOOR HEADER) IN EACH AREA/HALLWAY ADJACENT TO SLEEPING ROOMS, EACH OCCUPIABLE STORY, AND WITHIN A BEDROOM IF THE BEDROOM OR ATTACHED BATHROOM CONTAINS A FUEL-BURNING APPLIANCE. CO ALARMS ARE NOT REQUIRED IF THERE IS NO FUEL-BURNING APPLIANCE OR FIREPLACE IN THE HOUSE AND WHERE THE GARAGE IS DETACHED FROM THE HOUSE.

SMOKE ALARMS AND CARBON MONOXIDE ALARMS ARE REQUIRED TO BE LISTED BY THE CALIFORNIA STATE FIRE MARSHAL. TO CONFIRM IF A CERTAIN DEVICE IS LISTED, REFER TO THE FOLLOWING WEB PAGE:

HTTP://OSFM.FIRE.CA.GOV/LICENSINGLISTINGS/LICENSELISTING BML SEARCHCOTEST

### **FURNACE REQUIREMENTS**

FOLLOWING IS A LISTING OF GENERAL REQUIREMENTS BASED ON THE 2019 CALIFORNIA RESIDENTIAL CODE, 2019 CALIFORNIA MECHANICAL CODE, 2019 CALIFORNIA PLUMBING CODE, 2019 CALIFORNIA ELECTRICAL CODE, AND 2019 CALIFORNIA ENERGY EFFICIENCY STANDARDS

### **ELECTRICAL REQUIREMENTS**

- AN APPROVED, INDEPENDENT MEANS OF DISCONNECT FOR THE ELECTRICAL SUPPLY TO EACH PIECE OF EQUIPMENT SHALL BE PROVIDED IN SIGHT OF THE EQUIPMENT SERVED. [CMC 301.4, CEC 422.31, CEC 422.33(A)]
- A DEDICATED CIRCUIT SHALL BE PROVIDED FOR THE FURNACE. (CEC 422.12) A 120-VOLT SERVICE RECEPTACLE SHALL BE LOCATED WITHIN 25 FEET OF THE EQUIPMENT FOR MAINTENANCE. THE SERVICE RECEPTACLE SHALL NOT BE CONNECTED ON THE LOAD SIDE OF THE REQUIRED MEANS OF DISCONNECT. (CMC
- A PERMANENT SWITCH CONTROLLED LIGHTING FIXTURE SHALL BE INSTALLED FOR MAINTENANCE OF EQUIPMENT IS REQUIRED AND SHALL BE ACCESSIBLE. SUCH FIXTURE SHALL PROVIDE SUFFICIENT ILLUMINATION TO SAFELY APPROACH THE EQUIPMENT AND PERFORM THE TASKS FOR WHICH ACCESS IS PROVIDED. CONTROL OF THE LIGHTING SHALL BE PROVIDED AT THE ACCESS ENTRANCE. (CEC 210.70)

**DUCT AIR LEAKAGE TEST** (CEES 150.2(B)(1)(E))

AN AIR LEAKAGE TEST, PERFORMED BY A HERS RATER, IS REQUIRED FOR EXISTING DUCTS WHEN AN EXISTING FURNACE IS REPLACED. THE CF-3R FORM COMPLETED BY A HERS RATER SHALL BE PROVIDED TO THE BUILDING INSPECTOR AT THE FINAL INSPECTION. A LIST HERS RATERS IS AVAILABLE AT: http://www.energy.ca.gov/hers/providers.html

### **FURNACE EQUIPMENT EFFICIENCY** (CEES 110.2(A))

WARM-AIR FURNACES AND UNIT HEATERS RATED AT LESS THAN 225,000 BTU/H SHALL HAVE A MINIMUM EFFICIENCY RATING OF 78% AFUE (ANNUAL FUEL UTILIZATION EFFICIENCY).

### **COMBUSTION AIR** (CMC CHAPTER 7) COMBUSTION AIR MUST BE MAINTAINED AS REQUIRED BY THE CALIFORNIA MECHANICAL

### THE CLEAR SPACE AND DISTANCE TO COMBUSTIBLE MATERIALS AROUND THE FURNACE

**CLEARANCE FROM COMBUSTIBLE MATERIALS** (CMC 904.2)

SHALL COMPLY WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

### **ANCHORAGE OF EQUIPMENT (CMC 303.4)**

THE FURNACE SHALL BE PROPERLY ANCHORED AND SUPPORTED TO SUSTAIN VERTICAL AND HORIZONTAL LOADS WITHIN THE STRESS LIMITATIONS SPECIFIED IN THE CALIFORNIA BUILDING CODE.

### PLASTIC VENT PIPING (CMC 802.4.2)

PLASTIC PIPE AND FITTINGS USED TO VENT APPLIANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLIANCE MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHEN PRIMER IS REQUIRED, IT SHALL BE OF A CONTRASTING COLOR.

### **LOCATED IN A CRAWL SPACE (CRC 302.13)**

WHEN A FURNACE IS RELOCATED TO A CRAWL SPACE, THE UNDERSIDE OF THE FLOOR JOISTS SHALL BE PROVIDED WITH A 1/2" GYPSUM OR 5/8" WOOD STRUCTURAL PANEL. THIS IS NOT REQUIRED FOR THE REPLACEMENT OF AN EXISTING FURNACE ALREADY LOCATED IN THE CRAWL SPACE.

### **LOCATED IN A GARAGE (CMC 305.1)**

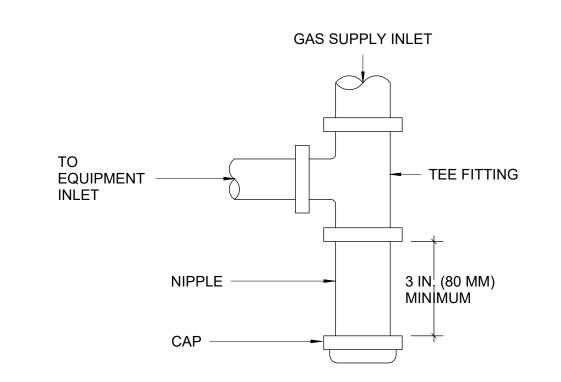
FURNACES LOCATED IN A GARAGE MUST BE ELEVATED SO THE PILOT LIGHT AND CONTROLS ARE AT LEAST 18" ABOVE THE GARAGE FLOOR SURFACE (UNLESS THE UNIT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT). IF SUBJECT TO VEHICULAR DAMAGE. ADEQUATE BARRIERS MUST BE INSTALLED (E.G. 4" DIAMETER STEEL PIPE FILLED WITH CONCRETE INSTALLED IN A FOOTING MEASURING 12" IN DIAMETER AND 3' DEEP AND A MINIMUM OF 2'-9" ABOVE THE FINISHED FLOOR).

### **LOCATED IN AN ATTIC (CMC 304.4)**

FURNACES LOCATED IN AN ATTIC AREA SHALL COMPLY WITH THE DIAGRAM AT THE BOTTOM OF THIS PAGE. ADDITIONALLY, IF THE ATTIC AND ROOF IS CONVENTIONALLY FRAMED, CEILING JOIST UNDER THE LOCATION OF THE FAU UNIT SHALL BE DOUBLED WITH A MINIMUM 2X6 JOISTS. IF THE ATTIC AND ROOF FRAMING IS A PRE-FABRICATED ENGINEERED TRUSS SYSTEM, AN ENGINEERING REPORT (WET STAMPED AND SIGNED BY A LICENSED ENGINEER) SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A BUILDING PERMIT.

### **SEDIMENT TRAP** (CPC 1212.8)

A SEDIMENT TRAP SHALL BE PROVIDED ON THE GAS LINE DOWNSTREAM OF THE APPLIANCE SHUT-OFF VALVE AND AS CLOSE TO THE INLET OF THE EQUIPMENT AS PRACTICAL.



LIGHTING, SWITCHES OR RECEPTACLES PERMIT REQUIREMENTS THE FOLLOWING ARE THE MINIMUM REQUIREMENTS THAT MUST BE MET BASED ON THE 2019

CALIFORNIA ELECTRICAL CODE AND THE 2019 CALIFORNIA ENERGY EFFICIENCY STANDARDS: GENERAL LIGHTING REQUIREMENTS (CEES 150.0(K) AND CEC 410.16)

- ALL INSTALLED LIGHTING SHALL BE HIGH-EFFICIENCY. ALL LIGHT FIXTURES SHALL CONTAIN BULBS THAT ARE LABELED AS JA8-2019 (JA8-2019-E
- FOR SEALED LENS OR RECESSED FIXTURE). SCREW BASE BULBS ARE PERMITTED. EXCEPT IN RECESSED LIGHTING FIXTURES. RECESSED LIGHTING SHALL BE LISTED AS IC (ZERO CLEARANCE TO INSULATION) AND AT
- (AIR TIGHT), BE SEALED/CAULKED BETWEEN THE FIXTURE HOUSING AND CEILING, SHALL NOT CONTAIN A SCREW BASE SOCKET, AND CONTAIN BULBS MARKED WITH JA8-2019-E
- NEWLY INSTALLED LIGHTING IN BATHROOMS, GARAGES, UTILITY ROOMS, AND LAUNDRY ROOMS SHALL HAVE AT LEAST ONE FIXTURES CONTROLLED BY A VACANCY SENSOR SWITCH THAT REQUIRES A MANUAL ON ACTIVATION (DOES NOT AUTOMATICALLY TURN
- ON) AND AUTOMATICALLY TURNS OFF WITHIN 30 MINUTES AFTER THE ROOM IS VACATED. DIMMERS OR VACANCY SENSORS SHALL CONTROL ALL INSTALLED LIGHTING FIXTURES WITH JA8-2019 BULBS, EXCEPT THOSE IN A CLOSET THAT IS LESS THAN 70 SQUARE FEET
- CLOSET LIGHTS SHALL BE FLUORESCENT, HAVE A SEALED LENS, OR LED LISTED FOR STORAGE AREA.

INTERIOR LIGHT SWITCHING DEVICES AND CONTROLS (CEES 150.0(K))

AND IN HALLWAYS.

**COMPLIANT LIGHT BULBS** 

- IN BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS, AT LEAST ONE LIGHT FIXTURE SHALL BE CONTROLLED BY A VACANCY SENSOR. DIMMERS OR VACANCY SENSOR SHALL CONTROL ALL FIXTURES WITH JA8-2019
- EXCEPT: LIGHTING FIXTURES IN CLOSETS LESS THAN 70 SQUARE FEET AND LIGHT FIXTURES IN HALLWAYS.

**ADDITIONAL KITCHEN LIGHTING REQUIREMENTS**(CEES 150.0(K))

ALL LIGHTING FIXTURES SHALL BE CONTROLLED BY EITHER A DIMMER SWITCH OR BY A VACANCY SENSOR SWITCH THAT REQUIRES A MANUAL ON ACTIVATION (DOES NOT AUTOMATICALLY TURN ON) AND AUTOMATICALLY TURNS OFF WITHIN 30 MINUTES AFTER THE ROOM IS VACATED.

ADDITIONAL BATHROOM LIGHTING REQUIREMENTS (CEES 150.0(K) AND CEC 410.10) AT LEAST ONE LIGHT FIXTURE SHALL BE CONTROLLED BY A VACANCY SENSOR SWITCH THAT REQUIRES A MANUAL ON ACTIVATION (DOES NOT AUTOMATICALLY TURN ON) AND AUTOMATICALLY TURNS OFF WITHIN 30 MINUTES AFTER THE ROOM IS VACATED. ALL

OTHER LIGHT FIXTURES SHALL BE CONTROLLED BY A VACANCY SENSOR OR DIMMER LIGHTING FIXTURES LOCATED WITHIN 3 FEET HORIZONTALLY AND 8 FEET VERTICALLY OF THE BATHTUB RIM OR SHOWER STALL THRESHOLD SHALL BE LISTED FOR A DAMP LOCATION, OR LISTED FOR WET LOCATIONS WHERE SUBJECT TO SHOWER SPRAY.

### ADDITIONAL EXTERIOR LIGHTING REQUIREMENTS

- EXTERIOR LIGHTING SHALL BE SHIELDED TO PREVENT GLARE OR DIRECT ILLUMINATION ON PUBLIC STREETS OR ADJACENT PROPERTIES.
- OUTDOOR LIGHTING SHALL BE APPROVED FOR EXTERIOR LOCATIONS. OUTDOOR LIGHTING FIXTURES SHALL BE CONTROLLED IN ONE OF THE FOLLOWING
- 1. WITH A MANUAL ON AND OFF SWITCH AS WELL AS A PHOTOCELL AND MOTION SENSOR.
- 2. PHOTOCONTROL AND AUTOMATIC TIME SWITCH CONTROL 3. ASTRONOMICAL TIME CLOCK.
- 4. ENERGY MANAGEMENT SYSTEM.

GENERAL RECEPTACLE REQUIREMENTS (CEC 210.8, 210.12, 406.12)

- NEW LIGHTING OR RECEPTACLES ADDED MAY NOT OVERLOAD EXISTING CIRCUITS. RECEPTACLES INSTALLED IN THE FOLLOWING LOCATIONS MUST BE GFCI PROTECTED: EXTERIOR, GARAGE, BATHROOMS, ABOVE THE KITCHEN COUNTERTOP, WITHIN SIX FEET
- OF A SINK, AND LAUNDRY AREAS. NEW OUTLETS (INCLUDING RECEPTACLES, SWITCHES, LIGHTING, AND HARD-WIRED SMOKE DETECTORS) INSTALLED IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, CLOSETS, HALLWAYS, OR LAUNDRY
- AREAS SHALL BE AFCI PROTECTED. ALL NEW RECEPTACLES SHALL BE TAMPER-RESISTANT (TR).

WATER RESISTANT, AND IN A WATERPROOF ENCLOSURE.

**ADDITIONAL KITCHEN RECEPTACLE REQUIREMENTS**(CEC 210.8, 210.12, 210.23, 210.52, 406.12)

- RECEPTACLES SHALL MEET ALL OF THE FOLLOWING REQUIREMENTS: GFCI PROTECTION SHALL BE PROVIDED FOR ALL COUNTERTOP RECEPTACLES. RECEPTACLES WITHIN 6 FEET OF A SINK (INCLUDING BELOW COUNTER AND BEHIND AN APPLIANCE), AND FOR RECEPTACLES SUPPLYING DISHWASHERS. THE RESET BUTTON FOR GFCI RECEPTACLES SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION (I.E. NOT BEHIND AN APPLIANCE).
- ALL OUTLETS AND DEVICES (I.E. RECEPTACLES, LIGHTING, HOODS, ETC.) SHALL BE AFCI PROTECTED AND TAMPER-RESISTANT (TR). ELECTRIC STOVES AND OVENS SHALL BE SUPPLIED WITH A 40- OR 50- AMP BRANCH
- ADDITIONAL BATHROOM RECEPTACLE REQUIREMENTS (CEC 210.8, 210.11, 406.12) ALL RECEPTACLES SHALL BE GFCI PROTECTED AND TAMPER-RESISTANT (TR). IF ANY NEW/ADDITIONAL OUTLETS ARE INSTALLED, THE BATHROOM SHALL HAVE A DEDICATED
- **ADDITIONAL EXTERIOR RECEPTACLE REQUIREMENTS**(CEC 210.8 AND 406.8) ANY NEW EXTERIOR ELECTRICAL RECEPTACLES INSTALLED MUST BÉ GFCI PROTECTED,

### FIRE SPRINKLER

20-AMP CIRCUIT.

A FIRE ALARM SYSTEM THAT MEETS NFPA 72

PLANS TO BE SUBMITTED SEPARATELY

JOINTS FROM COPPER TUBING TO THREADED PIPE SHALL BE MADE BY THE USE DISSIMILAR METALS ARE USED. LISTED CLAMPS AND BONDING JUMPERS SHALL

PRIOR TO COVERING. GROUNDING AND BONDING REQUIREMENTS GROUNDING SHALL CONSIST OF A CONTINUOUS GROUNDING ELECTRODE CONDUCTOR RUN FROM THE PANEL TO A GROUND ROD (GROUNDING ELECTRODE) AND TO THE COLD

ELECTRODE. [CEC 250.52 (A)(1) AND 250.53 (D)(2), 250.68(C)] FOR NEW STRUCTURES AND ADDITIONS TO EXISTING STRUCTURES, A CONCRETE ENCASED GROUND ELECTRODE SHALL BE INSTALLED. THIS SHALL CONSIST OF 20' OF 1/2" BARE OR ZINC-COATED REBAR OR BARE COPPER WIRE IN THE PORTION OF THE FOOTING IN

CONTACT WITH EARTH. (CEC 250.52(A)(3)(1) AND 250.52(A)(3)(2)) FOR EXISTING STRUCTURES, THE GROUNDING ELECTRODE SHALL BE NONFERROUS (COPPER), LISTED, AND NOT BE LESS THAN 5/8" IN DIAMETER. THE ELECTRODE SHALL BE INSTALLED SUCH THAT AT LEAST 8' OF LENGTH IS IN CONTRACT WITH THE SOIL. THE UPPER END OF THE ELECTRODE SHALL BE FLUSH WITH OR BELOW GROUND LEVEL UNLESS THE

THE REQUIRED GROUNDING ELECTRODE CONDUCTOR (FROM ELECTRODE TO PANEL) SIZE

ABOVE-GROUND END AND THE GROUNDING ELECTRODE CONDUCTOR ATTACHMENT IS

GROUND	ELECTRODE	CONDUCTOR SIZI
SIZE OF MAIN PANEL	COPPER CONDUCTORS	ALUMINUM OR COPPER- CLAD ALUMINUM
100 Amps	#8 AWG	#6 AWG
125 Amps	#8 AWG	#6 AWG
150 Amps	#6 AWG	#4 AWG
200 Amps	#4 AWG	#2 AWG

BONDING OF THE HOT, COLD, AND GAS LINES IS REQUIRED WHEN THE ELECTRICAL PANEL IS REPLACED. BONDING OF THE HOT, COLD, AND GAS LINES IS REQUIRED WITH WATER SERVICE REPLACEMENTS (IF USING A LESS CONDUCTIVE MATERIAL THAN IS EXISTING) AND FOR ALL RE-PIPES. BONDING SHALL CONSIST OF A CONTINUOUS BOND JUMPER INSTALLED AT THE WATER HEATER BETWEEN THE HOT, COLD, AND GAS LINES. THE BONDING JUMPER

ВС	ONDING JUM	PER SIZING
SIZE OF MAIN PANEL	COPPER CONDUCTORS	ALUMINUM OR COPPER-CLAD
100 Amps	#8 AWG	#6 AWG
125 Amps	#6 AWG	#4 AWG
150 Amps	#6 AWG	#4 AWG
200 Amps	#6 AWG	#4 AWG

ELECTRICAL METER PANEL STATING, "THIS STRUCTURE HAS A NONMETALLIC WATER

WATER PIPE. GROUNDING OF THE ELECTRICAL SERVICE AT THE MAIN WATER LINE MUST BE WITHIN THE FIRST 5' OF WATER PIPING INTO THE BUILDING. THE UNDERGROUND WATER SERVICE SHALL NOT BE USED AS THE GROUNDING ELECTRODE WITHOUT SUPPLEMENTAL

PROTECTED AGAINST PHYSICAL DAMAGE. (CEC 250.52 (A)(5)) IS LISTED IN THE FOLLOWING TABLE:

GROUND ELECTRODE CONDUCTOR SIZING			
SIZE OF MAIN PANEL	COPPER CONDUCTORS	ALUMINUM OR COPPER- CLAD ALUMINUM	
100 Amps	#8 AWG	#6 AWG	
125 Amps	#8 AWG	#6 AWG	
150 Amps	#6 AWG	#4 AWG	
200 Amps	#4 AWG	#2 AWG	

SHALL BE SIZED BASED ON THE FOLLOWING TABLE. (CEC250.4(A)(4))

SIZE OF	COPPER	ALUMINUM OR COPPER-CLAD
MAIN PANEL	CONDUCTORS	ALUMINUM
100 Amps	#8 AWG	#6 AWG
125 Amps	#6 AWG	#4 AWG
150 Amps	#6 AWG	#4 AWG
200 Amps	#6 AWG	#4 AWG





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REVISION

DATE/DESC.

**4** 

AVENUE ALHAMBRA,



II LL.

PERSPECTIVES

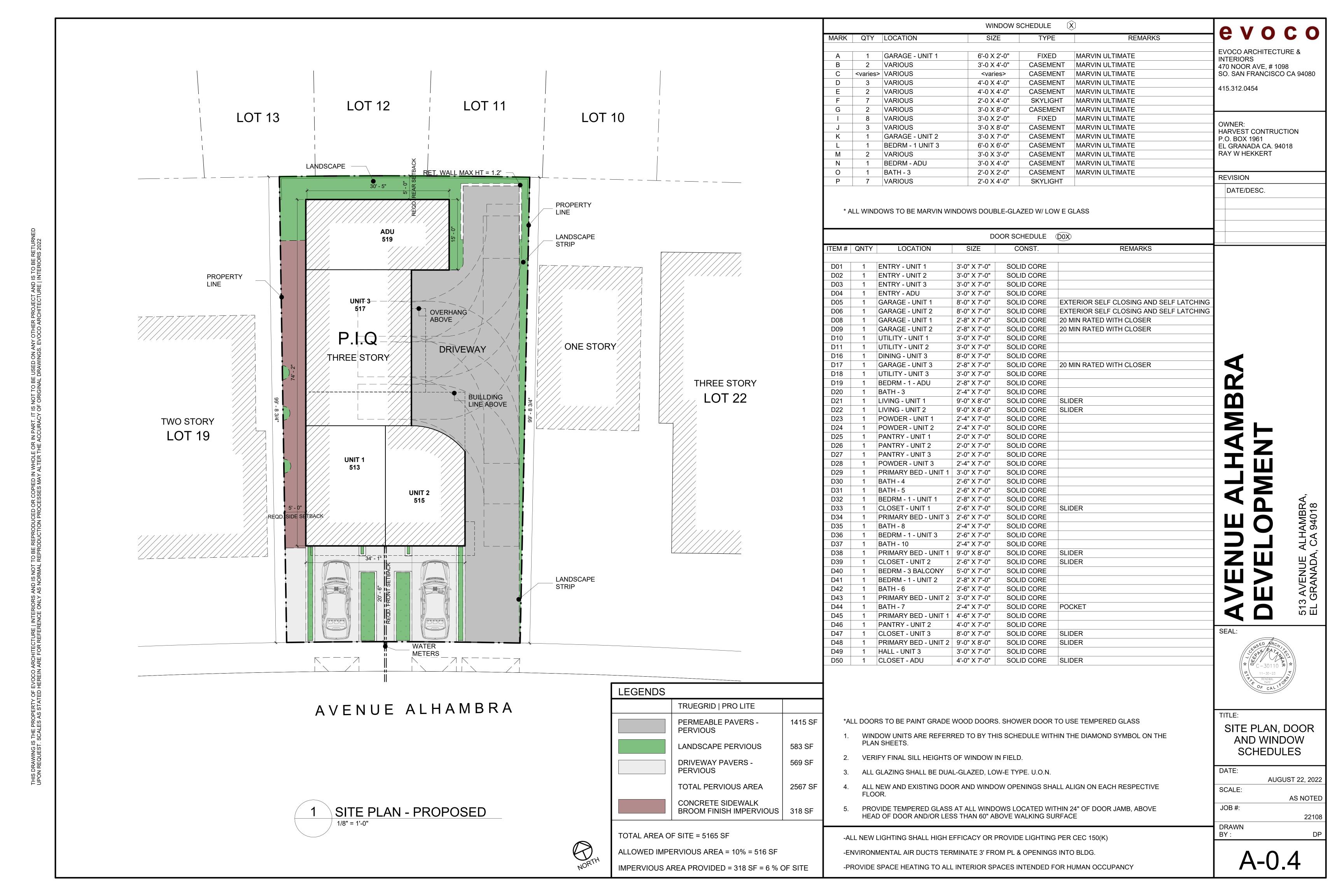
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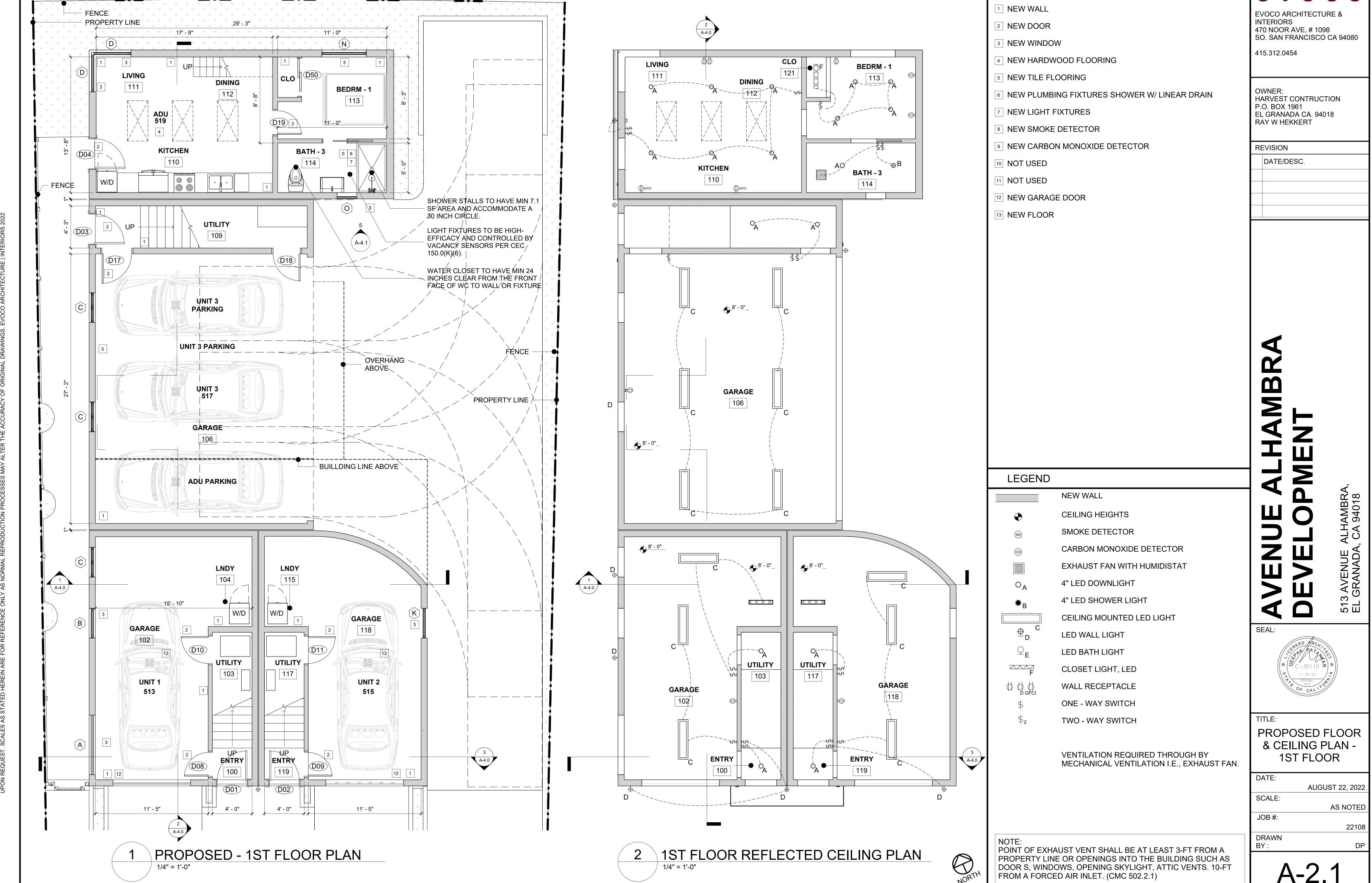
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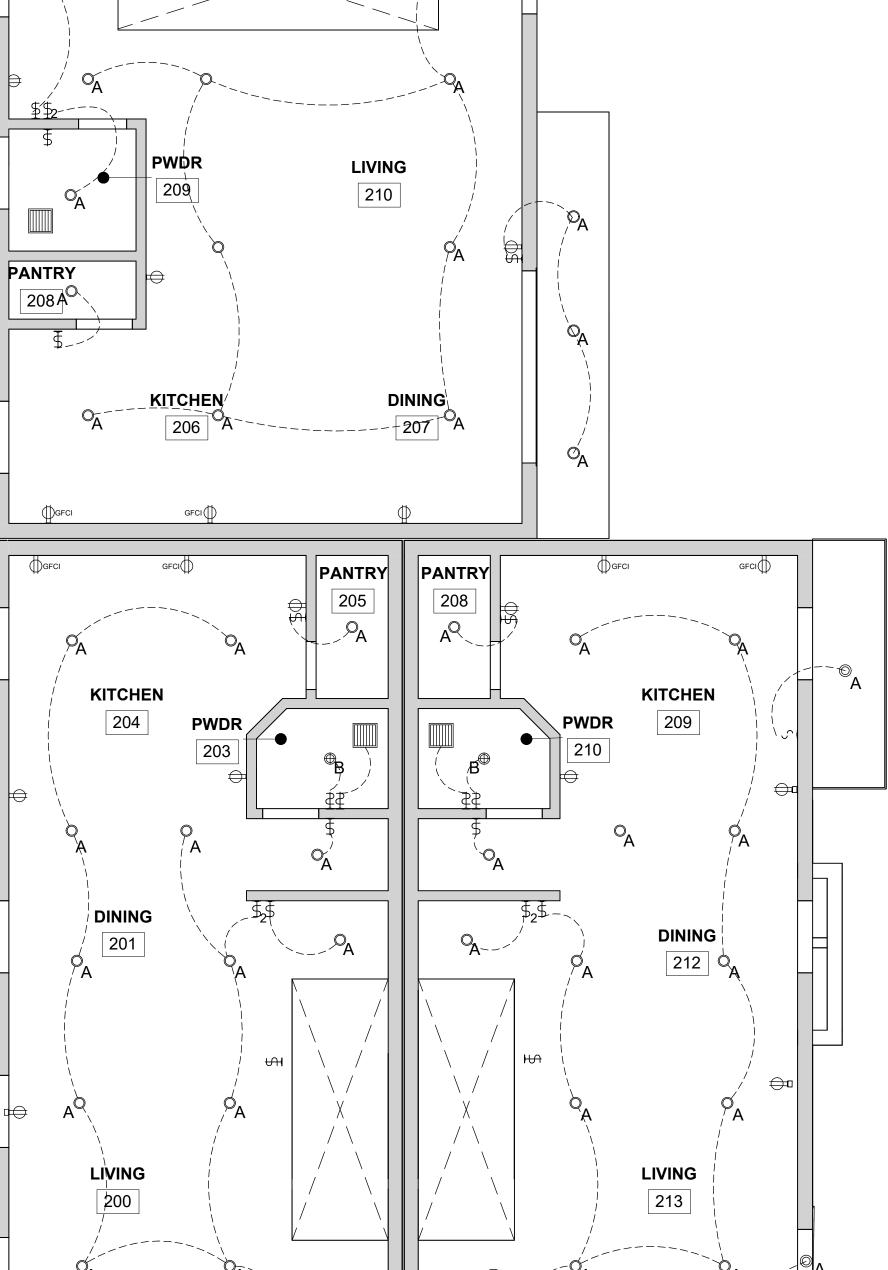
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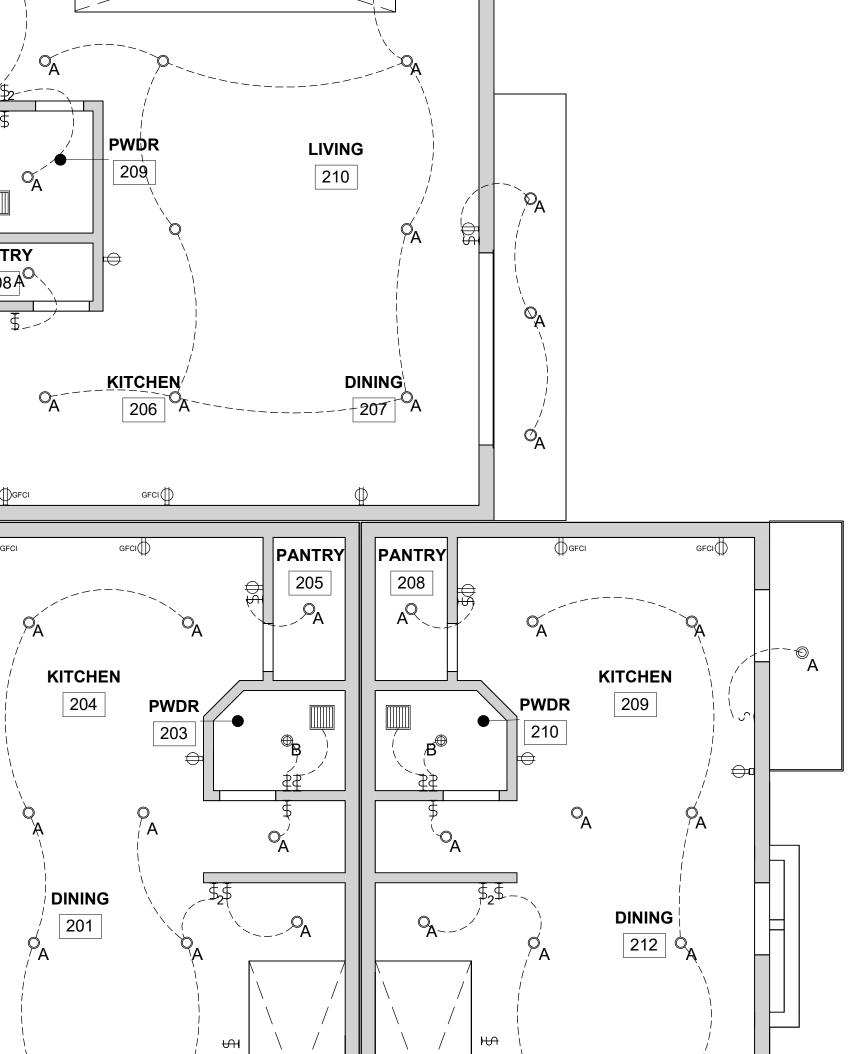
**KEYNOTES** 

A-2.1



2ND FLOOR REFLECTED CEILING PLAN

1/4" = 1'-0"



POINT OF EXHAUST VENT SHALL BE AT LEAST 3-FT FROM A DOOR S, WINDOWS, OPENING SKYLIGHT, ATTIC VENTS. 10-FT FROM A FORCED AIR INLET. (CMC 502.2.1)

KEYNOTES

NEW WALL

2 NEW DOOR

3 NEW WINDOW

4 NEW HARDWOOD FLOORING

5 NEW TILE FLOORING

6 NEW PLUMBING FIXTURES

7 NEW LIGHT FIXTURES

8 NEW SMOKE DETECTOR

9 NEW CARBON MONOXIDE DETECTOR

10 NOT USED

11 NOT USED

12 NOT USED

13 NEW FLOOR

LEGEND

**NEW WALL** 

**CEILING HEIGHTS** 

SMOKE DETECTOR

4" LED DOWNLIGHT

LED WALL LIGHT

LED BATH LIGHT

CLOSET LIGHT, LED

WALL RECEPTACLE

ONE - WAY SWITCH

TWO - WAY SWITCH

4" LED SHOWER LIGHT

CARBON MONOXIDE DETECTOR

EXHAUST FAN WITH HUMIDISTAT

CEILING MOUNTED LED LIGHT

VENTILATION REQUIRED THROUGH BY

PROPERTY LINE OR OPENINGS INTO THE BUILDING SUCH AS

MECHANICAL VENTILATION I.E., EXHAUST FAN.

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PROPOSED FLOOR & CEILING PLAN -

DATE:

AS NOTED 22108

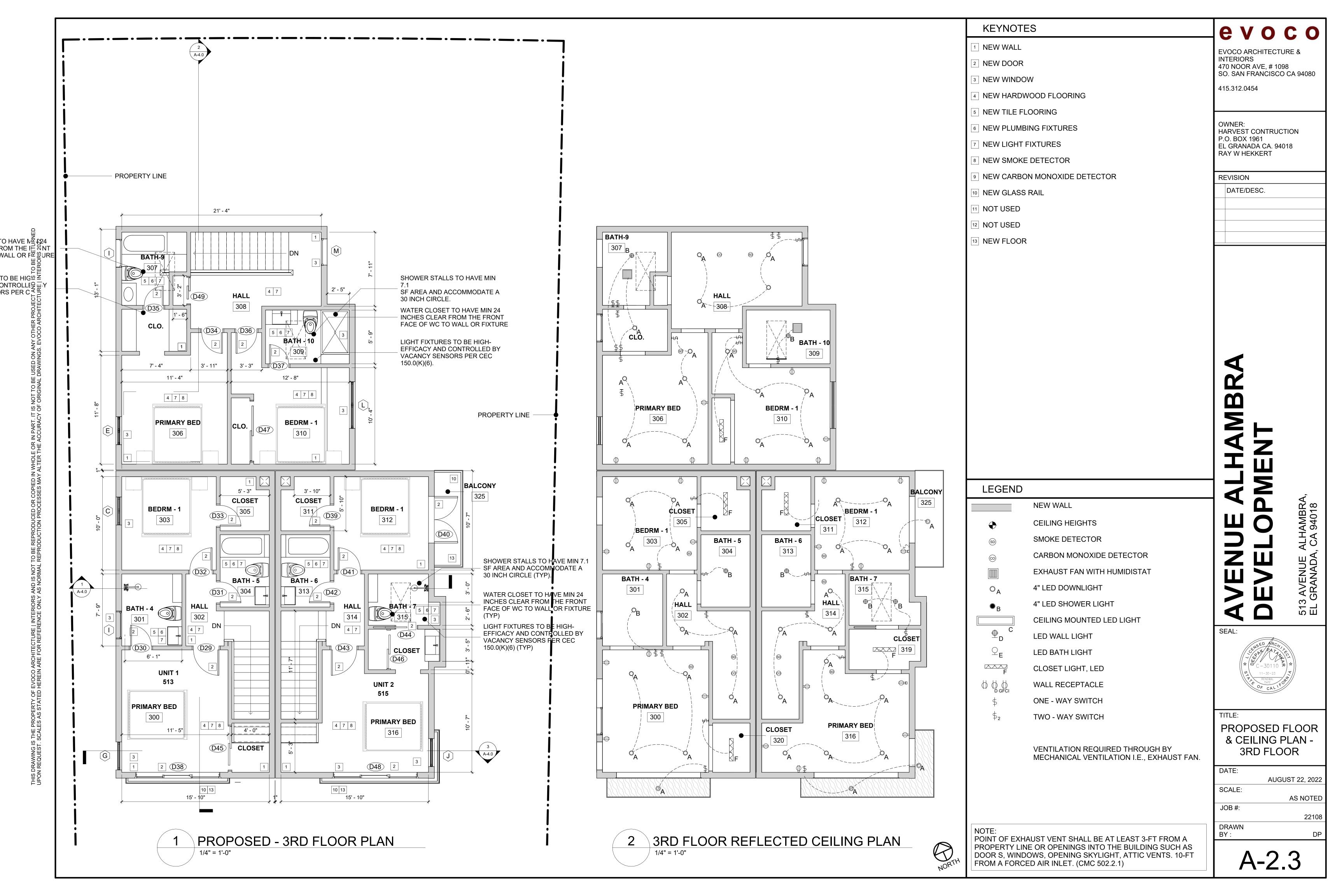
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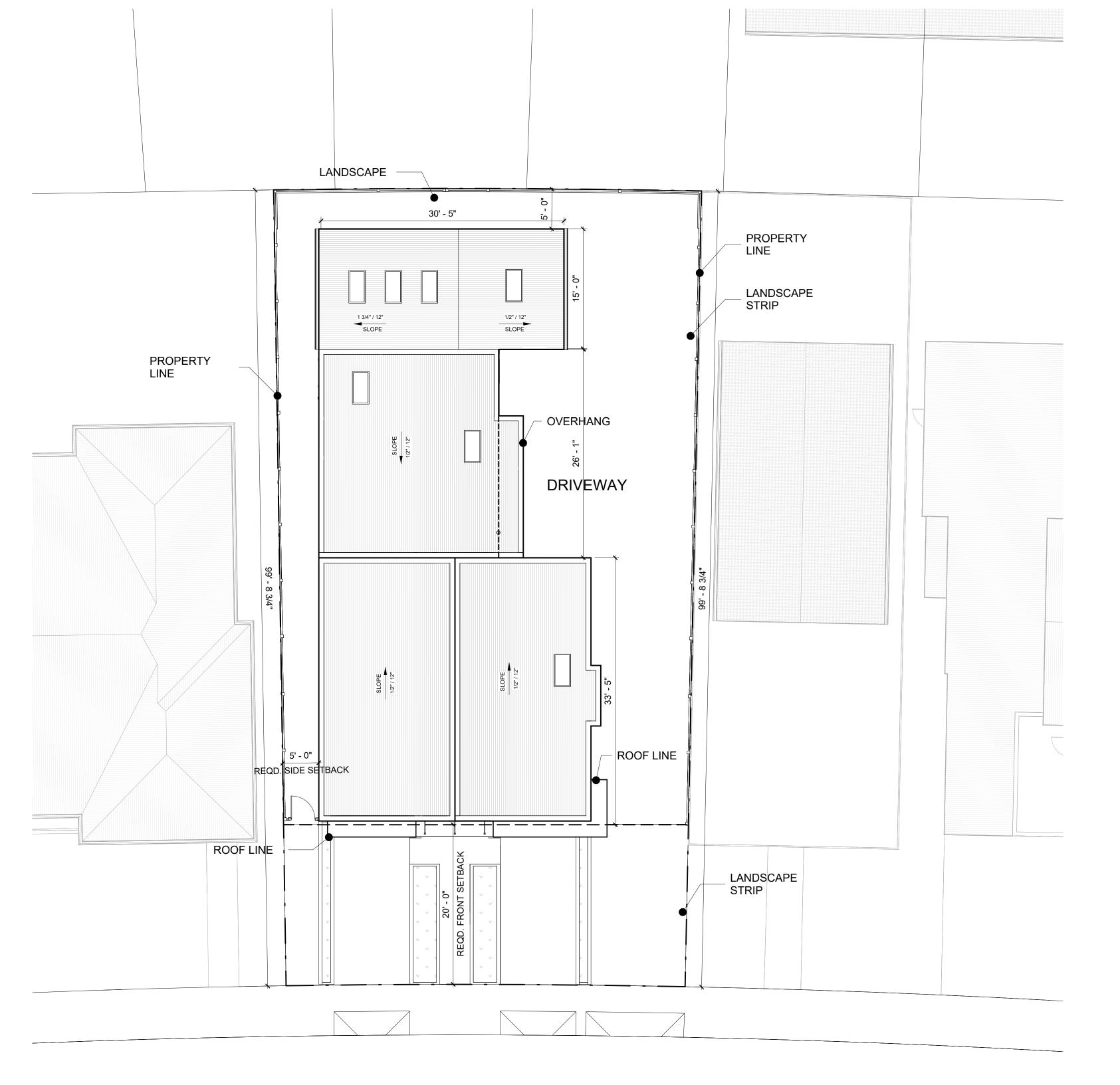
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2ND FLOOR

AUGUST 22, 2022 SCALE: JOB #:

A-2.2





AVENUE ALHAMBRA APN # 047206260



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# AVENUE ALHAMBRADEVELOPMENT

SEA



TITL

PROPOSED ROOF PLAN

DATE:

AUGUST 22, 2022

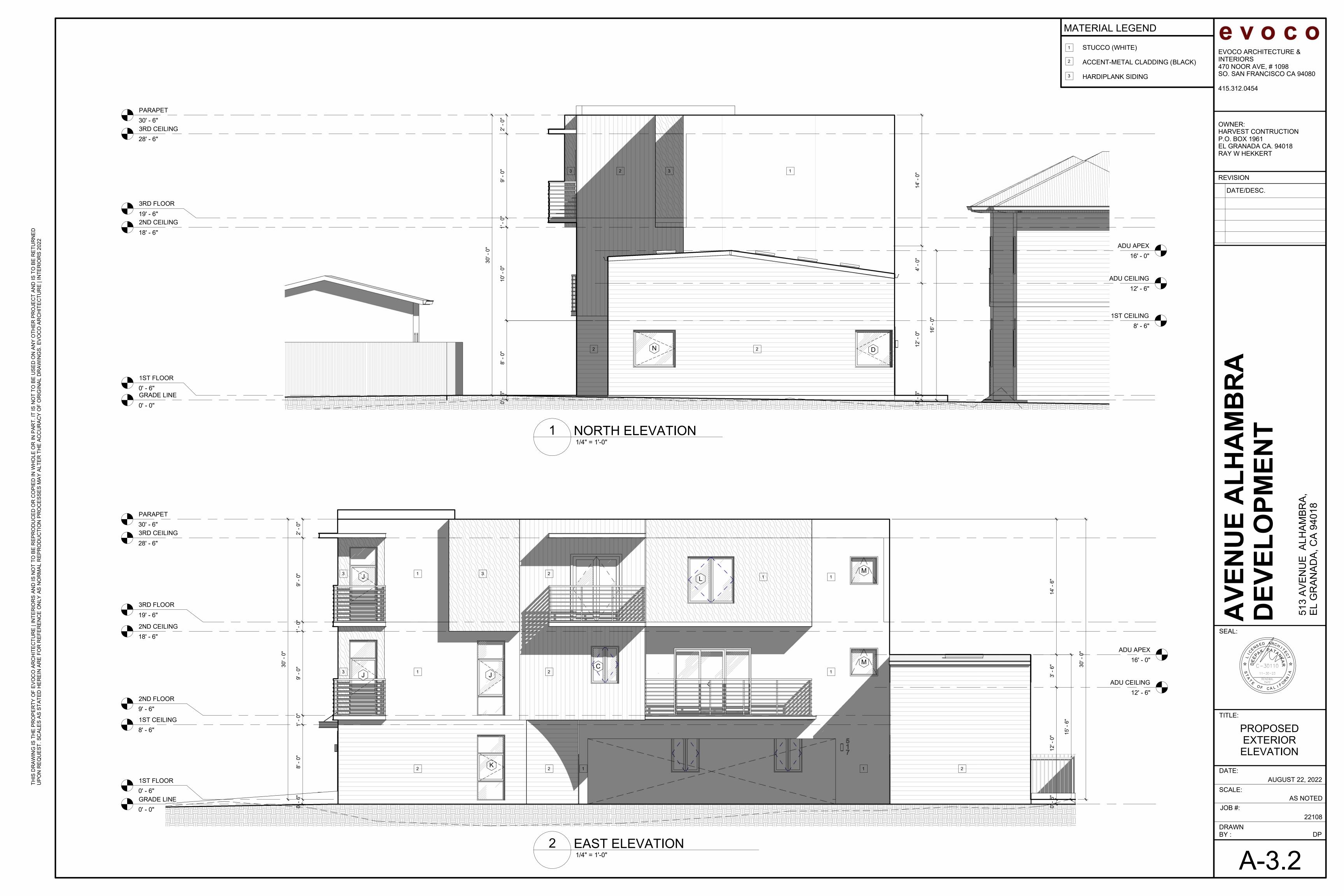
22108

SCALE:
AS NOTED
JOB #:

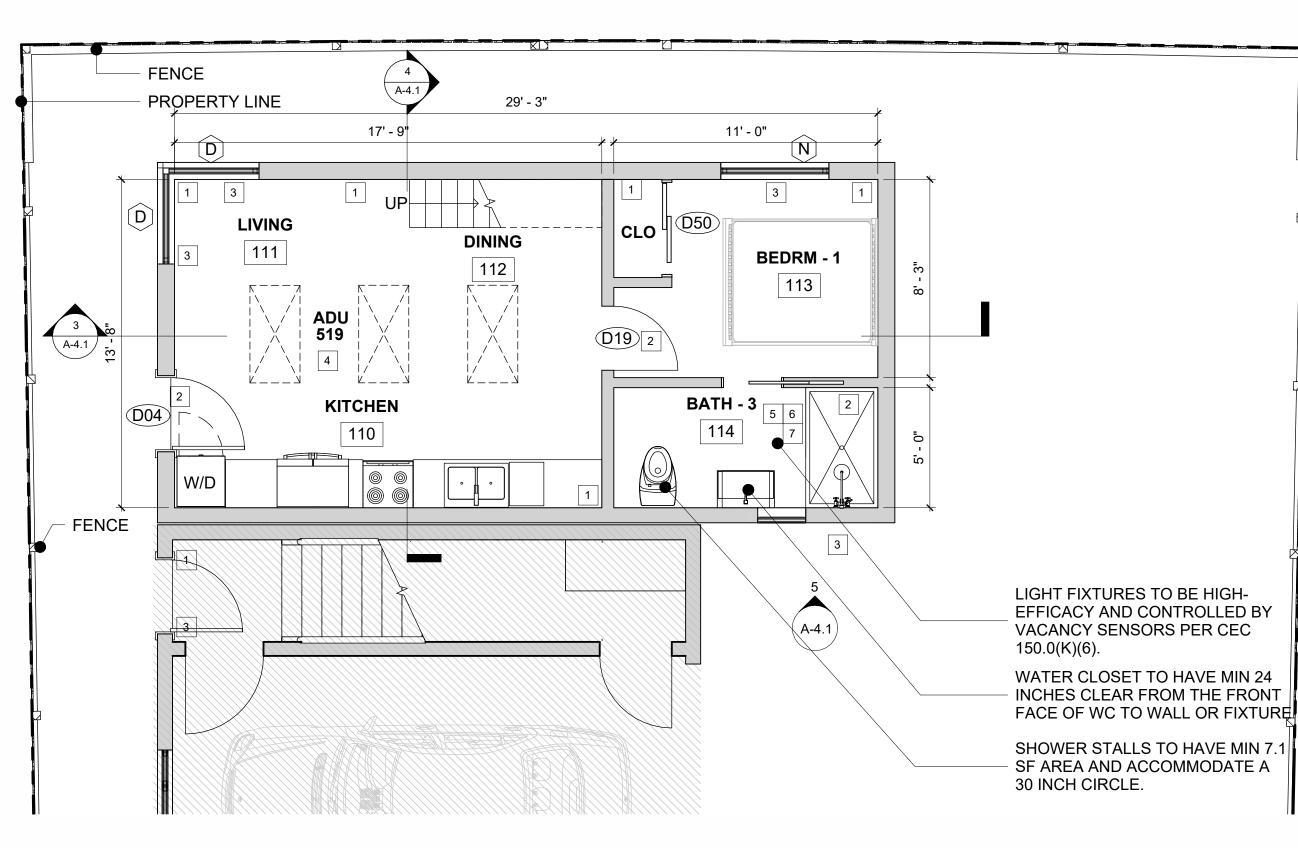
DRAWN BY:

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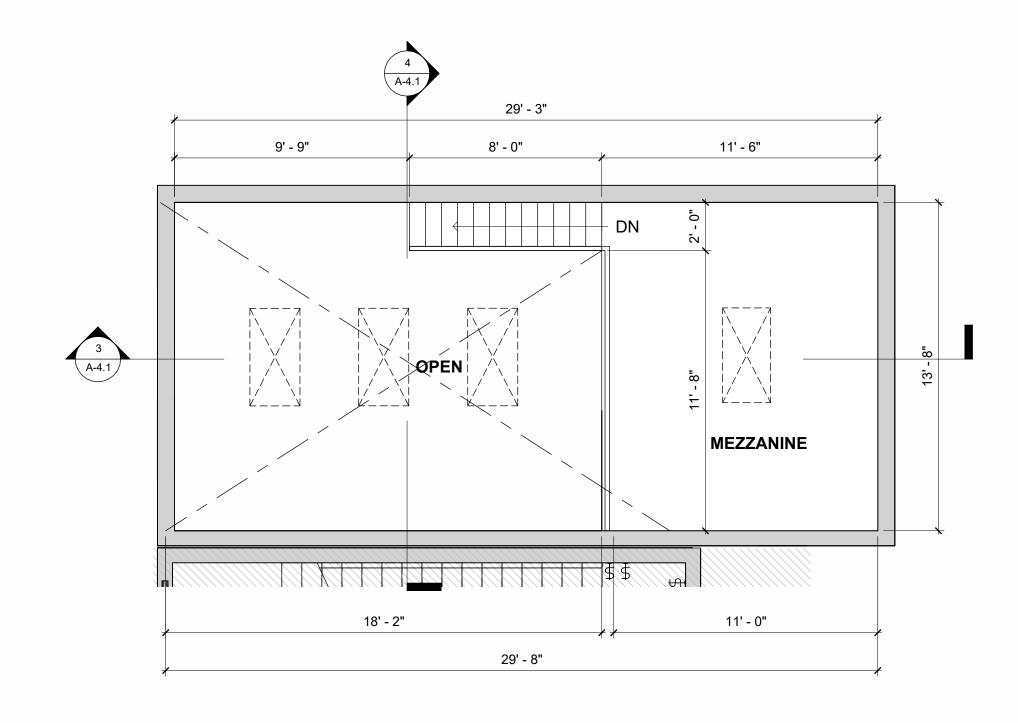








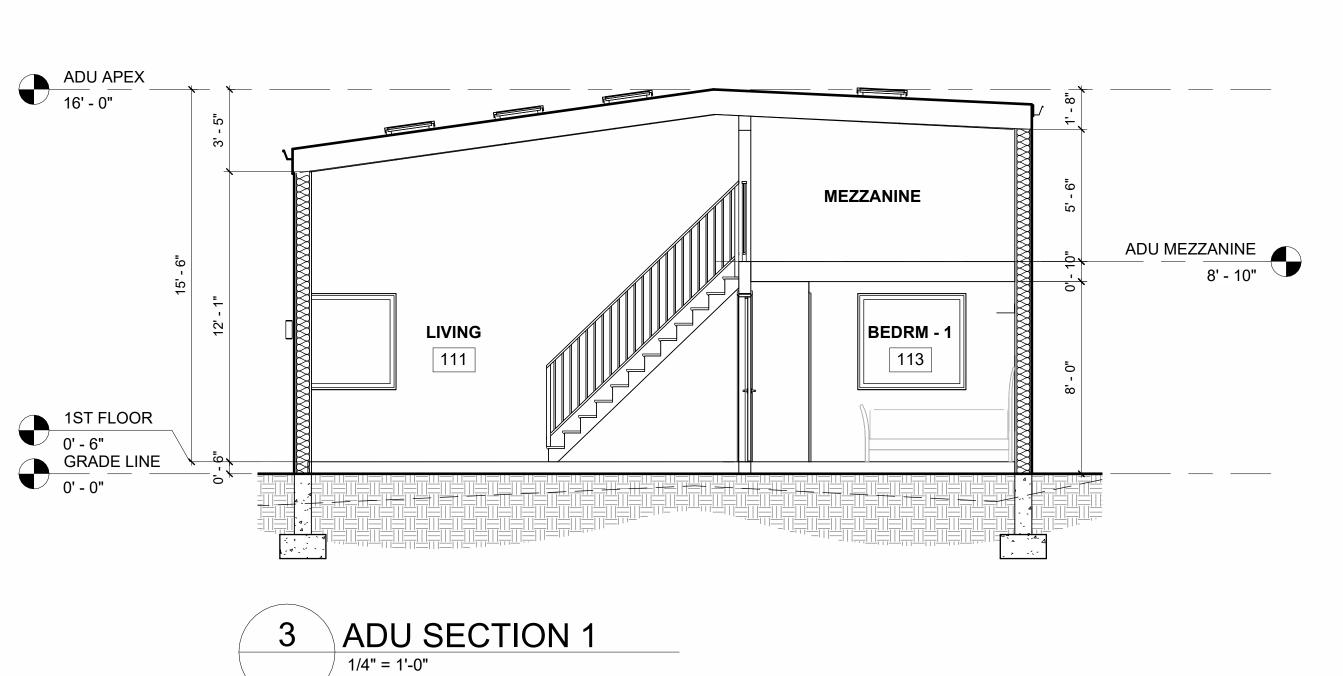
PROPOSED - ADU 1ST FLOOR

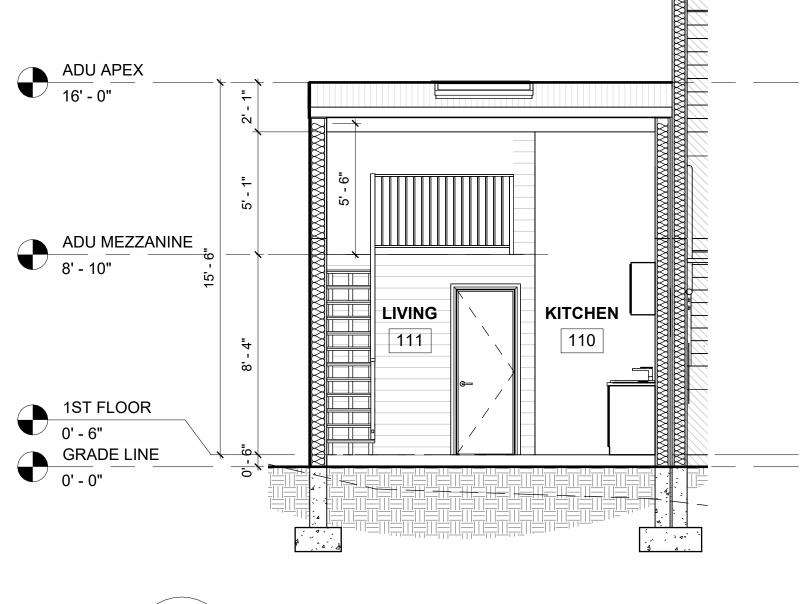




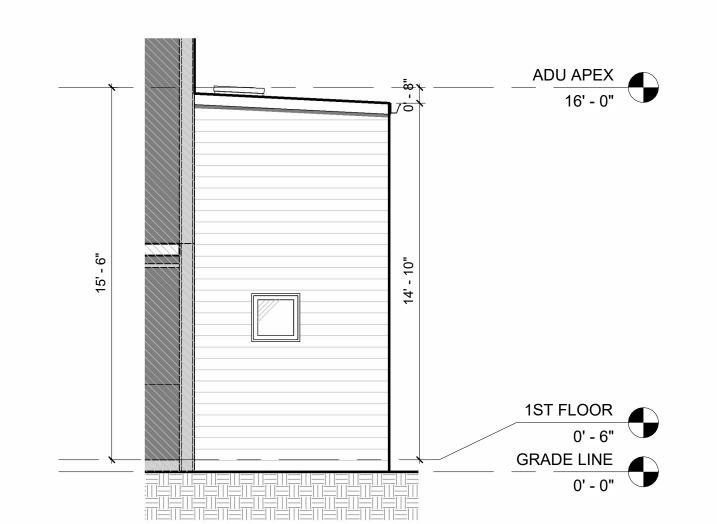
2 PROPOSED - ADU MEZZANINE











5 ADU SIDE ELEVATION

1/4" = 1'-0"

evoco

EVOCO ARCHITECTURE & INTERIORS 470 NOOR AVE, # 1098 SO. SAN FRANCISCO CA 94080

OWNER:
HARVEST CONTRUCTION
P.O. BOX 1961
EL GRANADA CA. 94018
RAY W HEKKERT

REVISION

415.312.0454

DATE/DESC.

DATE/DEGO.

UE ALHAMBRA

SEAL:

SE

ALHAMBRA V, CA 94018

TITLE:

PROPOSED ADU -PLAN, ELEVATION & SECTIONS

DATE:
AUGUST 22, 2022
SCALE:
AS NOTED
JOB #:
22108
DRAWN
BY:
DP

A-4 1

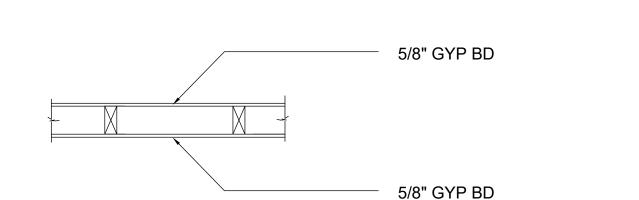
NEWEL POST ATTACHED TO 2X12 STRINGER WITH TWO 5/8" DIA. THROUGH BOLTS SPACED 6" APART

VERIFY NEW BALUSTRADE COLOR AND STYLE WITH OWNER.

1-1/2" DIAMETER WOOD RAILING. PROVIDE BACKING FOR SUPPORTS AT WALL AS NECESSARY.

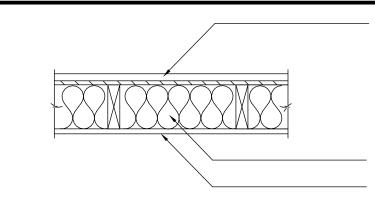
STAIR DETAILS

SCALE: 3" = 1'-0"



WALL TYPE A

SCALE: 3" = 1'-0"



7/8" STUCCO INSTALLED OVER STRL PLYWOOD SHEATHING OVER TWO LAYERS OF GRADE D BUILDING PAPER.

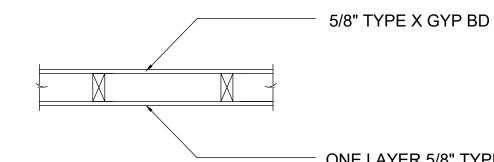
R-13 INSULATION ONE LAYER 5/8" TYPE X GYP BD

WALL TYPE B- EXTERIOR WALL

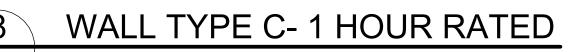
SCALE: 3" = 1'-0"

**GAWP 3660** 

INSTALL FIREBLOCKING PER CBC SECTION 708. FIREBLOCKING SHALL CONSIST OF MIN. 2" NOMINAL LUMBER. INSTALL FIREBLOCKING IN ALL WALLS/PARTITIONS AND FLOOR CEILING ASSEMBLIES AT MIN 10 FEET INTERVALS BOTH HORIZONTALLY AND VERTICALLY. TYP.



ONE LAYER 5/8" TYPE X GYP BD APPLIED AT RIGHT ANGLES TO EACH SIDE OF 2X6 WOOD STUDS 16" OC WITH 1-1/4" TYPE S OR TYPE W DRYWALL SCREWS 7" OC. VERTICAL JOINTS STAGGERED 16" OC. HORIZONTAL JOINTS STAGGERED 24" ON OPPOSITE SIDES





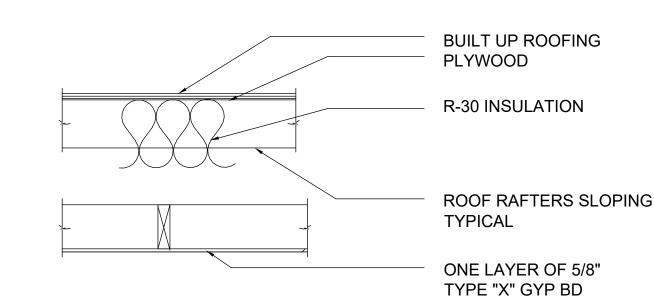
SCALE: 3" = 1'-0"

1/4" FIBER- CEMENT SIDING FASTENED THROUGH SHEATHING TO STUDS.

ONE LAYER 5/8" TYPE X GYPSUM SHEATHING APPLIED PARALLEL TO 2X4 STUDS 16" O.C. WITH 1 3/4" GALVANIZED ROOFING NAILS 4" O.C. AT VERTICAL JOINTS AND 7" O.C. AT INTERMEDIATE STUDS AND TOP AND BOTTOM PLATES.

ONE LAYER 5/8" TYPE X GYP BD

# WALL TYPE D- ONE HR RATED AT PL



# 6 ROOF ASSEMBLY

SCALE: 3" = 1'-0"

INSTALL FIREBLOCKING PER CBC

INSTALL FIREBLOCKING IN ALL

TYP.

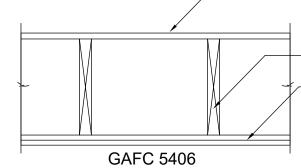
SECTION 708. FIREBLOCKING SHALL

CONSIST OF MIN. 2" NOMINAL LUMBER.

WALLS/PARTITIONS AND FLOOR CEILING

ASSEMBLIES AT MIN 10 FEET INTERVALS

BOTH HORIZONTALLY AND VERTICALLY.



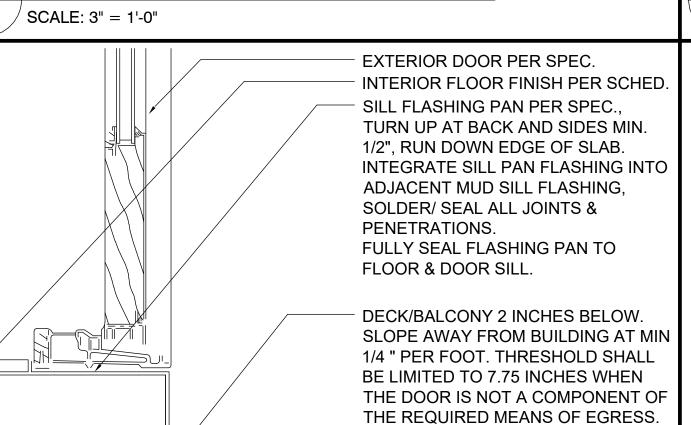
BASE LAYER 5/8" TYPE X GYP BD

APPLIED AT RIGHT ANGLES TO 2X10 WOOD JOISTS 24" OC WITH 1-1/4" TYPE S OR TYPE W DRYWALL SCREWS 24" OC. FACE LAYER 5/8" TYPE X GYP BD APPLIED AT RIGHT ANGLES TO JOISTS 24" OC WITH 1-7/8" TYPE S OR TYPE W DRYWALL SCREWS 12" OC AT JOINTS AND INTERMEDIATE JOISTS AND 1-1/2" TYPE G DRYWALL SCREWS 12" OC PLACED 2" BACK ON EITHER SIDE OF END JOINTS. WOOD JOISTS SUPPORTING 1/2" PLYWOOD WITH EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO JOISTS WITH 8d NAILS.

1/2" PLYWOOD SHEATHING

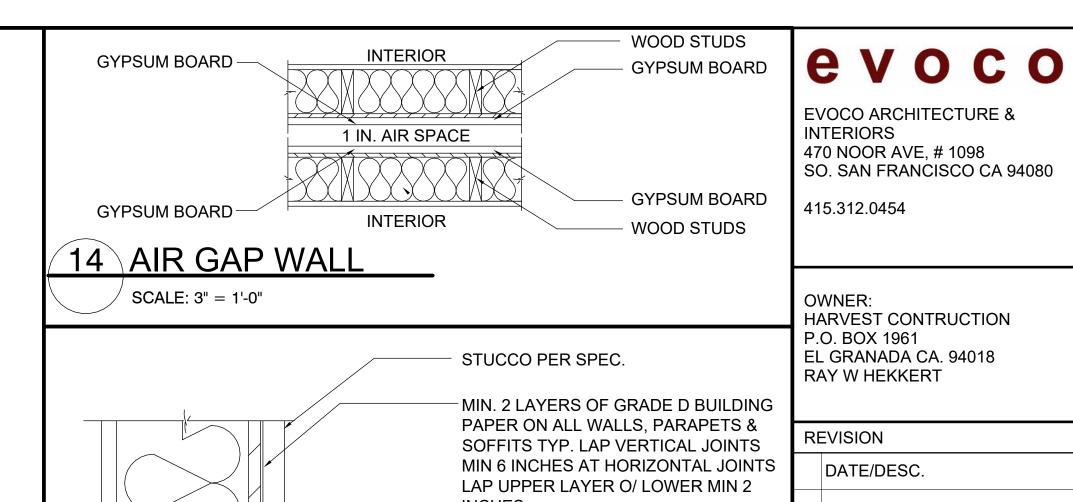
WOOD STUDS

# 5 1-HOUR RATED ASSEMBLY



# 4 EXTERIOR DOOR THRESHOLD

SCALE: 3" = 1'-0"



INCHES.

- METAL TERMITE SHIELD FLASHING RUN UP WALL PLY. MIN. 6", RUN DOWN TO T.O. GRADE BEAM. FULLY SEAL TO SLAB EDGE, PLY., & BACK OF STUCCO WEEP SCREED.

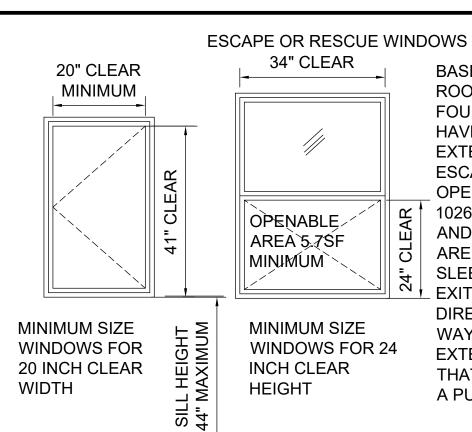
HOLD WEEP SCREED MIN. 4" ABOVE GRADE. WHERE EXTERIOR SURFACE IS CONCRETE OR AC PAVEMENT, HOLD WEEP SCREED MIN. 2" ABOVE PAVEMENT SURFACE.

FIN. GRADE. SLOPE AWAY FROM BLDG. MIN. 1/4"/FT., TYP.

ALL SLABS/FOUNDATION PER STRUCT., TYP.

# MUD SILL @ STUCCO WALL

SCALE: 3" = 1'-0"



**ROOMS BELOW THE** FOURTH STORY SHALL HAVE AT LEAST ONE **EXTERIOR EMERGENCY ESCAPE AND RESCUE OPENING PER SECTION** 1026. EMERGENCY ESCAPE AND RESCUE OPENINGS ARE NOT REQUIRED FROM **SLEEPING ROOMS WITH AN** EXIT DOOR THAT OPENS DIRECTLY ONTO A PUBLIC WAY OR YARD/ COURT OR EXTERIOR EXIT BALCONY THAT PROVIDES ACCESS

A PUBLIC WAY.

**BASEMENTS AND SLEEPING** 

ESCAPE WINDOW DIMENSIONS

**FLOOR** 

WATER HEATER IS TO BE INSTALLED SO THAT THE SOURCE OF IGNITION IS AT LEAST 18 INCHES ABOVE THE GARAGE FLOOR PER CMC 308.

STRAP THE WATER HEATER AT POINTS WITHIN THE UPPER 1/3 AND LOWER 1/3 OF ITS VERTICAL DIMENSION. LOWER PINT IS TO BE A MINIMUM 4 INCHES ABOVE CONTROLS PER CPC 508.2

WATER HEATER STRAPPING DETAIL

**EVOCO ARCHITECTURE &** 

HARVEST CONTRUCTION

**INTERIORS** 

415.312.0454

P.O. BOX 1961

**REVISION** 

DATE/DESC.

SEAL:



513 EL

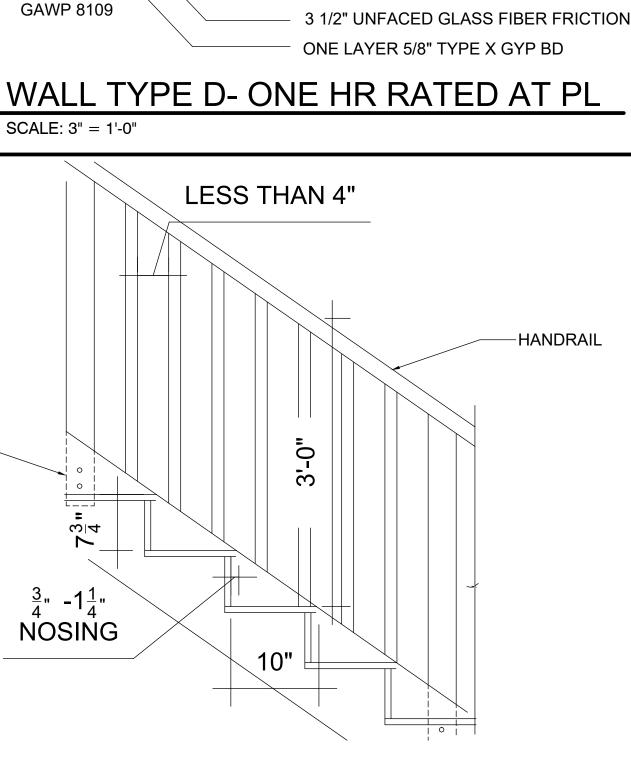
TITLE:

**DETAILS** 

DATE: AUGUST 22, 2022 SCALE: AS NOTED

JOB #: 22108 DRAWN BY:

A-6.0



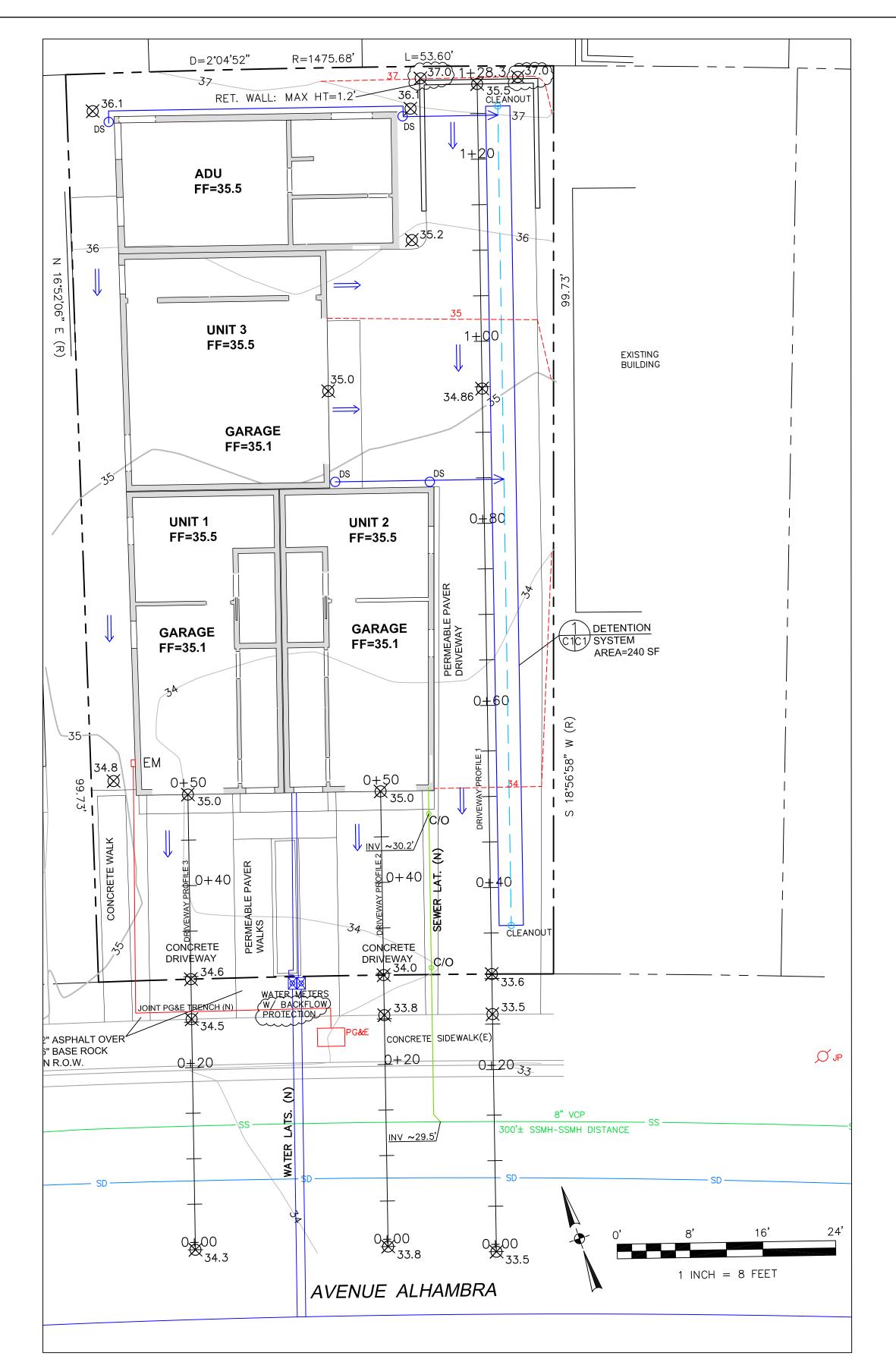
-HANDRAIL  $\frac{3}{4}$ "  $-1\frac{1}{4}$ " NOSING

STYROFOAM SPACERS AT TOP AND **BOTTOM OF WATER HEATER** WATER HEATER WITH INSULATION **BLANKET** PLUMBERS TAPE STRAPS AT TOP AND BOTTOM

**TOP VIEW** 

CBC 1008.1.6

WALL STUDS



/ EXISTING CONTOURS PROPOSED CONTOURS PROPOSED SPOT ELEVATION

LEGEND

4" MIN PERFORATED DRAIN PIPE

4" MIN SOLID DRAIN PIPE

### **GENERAL NOTES**

- 1. PLANS PREPARED AT THE REQUEST OF:
- RAY HEKKERT. OWNER 2. TOPOGRAPHY BY BGT LAND SURVEYING, SURVEYED 2-24-22.
- 3. THIS IS NOT A BOUNDARY SURVEY.
- 4. ELEVATION DATUM ASSUMED. 5. THE GEOTECHNICAL REPORT:
- GEOTECHNICAL REPORT: AVENUE ALHAMBRA, EL GRANADA, APN **047-206-160;** DATE: JUNE 4, 2022, BY SIGMA PRIME GEOSCIENCES, INC. PROJECT NO. 22-124 SHALL BE RETAINED ON THE CONSTRUCTION SITE. THE GEOTECHNICAL ENGINEER OF RECORD IS SIGMA PRIME GEOSCIENCES, INC.
- ASSOCIATES, WITH THE CONTACT NUMBER (650)-728-3590. THE CONTRACTOR MUST SHALL NOTIFY THE GEOTECHNICAL ENGINEER OF RECORD AT LEAST 48 HOURS BEFORE CONSTRUCTION OF GEOTECHNICAL RELATED WORK. THE GEOTECHNICAL PART OF CONSTRUCTION WORK, INCLUDING BUT NOT LIMITED TO. ALL THE EARTHWORK AND FOUNDATION CONSTRUCTIONS, MUST SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD.
- 6. STORMWATER MANAGEMENT CONSTRUCTION INSPECTIONS SHALL BE SCHEDULED FOR APPLICABLE DRAINAGE INSPECTIONS, WHICH INCLUDE SITE CLEARANCE AND EROSION CONTROL MEASURES INSTALLATION AS WELL AS INSPECTION OF MAJOR DRAINAGE CONTAINMENT, TREATMENT, AND CONVEYANCE DEVICES BEFORE BEING BURIED (INCLUDING REQUIRED MATERIAL LABELS, E.G. PIPES, SUB-GRADE MATERIALS, ETC.). PLEASE FOLLOW THE INSPECTION CARD INSTRUCTIONS CALL SIGMA PRIME AT 650-728-3590 TO SCHEDULE DRAINAGE INSPECTIONS ACCORDINGLY. THERE SHALL BE THREE INSPECTIONS: ONE FOR EROSION CONTROL INSTALLATION, ONE BEFORE DRAINAGE FACILITIES ARE BURIED, AND ONE FOR FINAL WALK AROUND.

### DRAINAGE NOTES

- 1. DRAINAGE INTENT: IT IS THE INTENT OF THE DRAINAGE SYSTEM TO CONVEY ROOF RUNOFF TO A SAFE LOCATION, AND TO MINIMIZE EXCESSIVE MOISTURE AROUND FOUNDATIONS. DIRECT SLOPES SUCH THAT STORMWATER WILL NOT BE DIVERTED ONTO ADJACENT PROPERTIES.
- 2. ALL DOWNSPOUT DRAIN LINES SHALL LEAD TO DETENTION SYSTEM IN THICKENED GRAVEL LAYER UNDER PERMEABLE PAVER DRIVEWAY, AS
- 3. ALL ROOF DRAINAGE PIPES SHALL BE 4" DIAMETER MINIMUM SOLID PIPE, SLOPED AT 1% MINIMUM.
- 4. IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO CHECK ON ALL STORMWATER FACILITIES SUCH AS ROOF GUTTERS, DOWNSPOUT LINES, AND THE DETENTION SYSTEM TO BE SURE THAT THEY ARE CLEAR OF EXCESSIVE DEBRIS AND OPERATING EFFICIENTLY. THE FACILITIES SHALL BE CHECKED EVERY FALL AND PERIODICALLY DURING THE RAINY SEASON.

### **GRADING NOTES**

CUT VOLUME: 170 CY (BASED ON SLAB FOUNDATION, NO CRAWL SPACE) FILL VOLUME: 0 CY

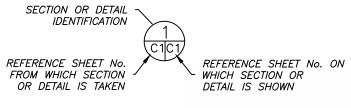
VOLUMES ABOVE ARE APPROXIMATE.

THE SUBGRADE BELOW ALL PAVED AREAS SHALL BE BASEROCK COMPACTED TO 95%.

ALL GRADING SHALL CONFORM TO LOCAL CODES AND ORDINANCES.

ALL TRENCHES UNDER PROPOSED PAVED AREAS OR CONCRETE SHALL BE BACKFILLED TO SUBGRADE ELEVATION WITH COMPACTED APPROVED GRANULAR MATERIALS. IF TRENCHES ARE IN PROPOSED LANDSCAPE AREAS, THEY SHALL BE BACKFILLED WITH COMPACTED APPROVED GRANULAR MATERIAL TO WITHIN ONE FOOT OF FINISHED GRADE, AND THEN FILLED WITH HAND TAMPED SOILS.

### SECTION AND DETAIL CONVENTION





AND PLAN

HEKKERT PROPERTY AVENUE ALHAMBRA EL GRANADA APN 047-206-160,170 GRADING DRAINAGE

SHEET

C-1

