

## Location of Proposed Project




City of Campbell  
 70 North First Street  
 Campbell, CA 95008 -1423

## Project Image



Proposed Addition

# Courtesy Notice

Dear Campbell Resident,

November 6, 2024

We are notifying you that the Planning Division of the Community Development Department of the City of Campbell has received an application for the following project:

**Project Address:** 852 Marilyn Dr

**Zoning | Area Plan:** R-1-6 | STANP

**Neighborhood Association(s):** N/A

**Council District:** 5

**File No.:** PLN-2024-165

**APN:** 404-32-039

**Applicant:** Damaris Rodas

**Property Owner:** Jesse Evans

**Application Type:** Administrative Site and Architectural Review

**Project Planner:** Ishwarya, Planning Technician

**Email Contact:** [ishwarya@campbellca.gov](mailto:ishwarya@campbellca.gov)

**Phone Contact:** (408) 866-2163

**Project Description:**

To allow the addition of approximately 846 square feet to an existing single-story, single-family dwelling.

If you would like to find out more information regarding the proposed project, please view the project plans using the QR code below or contact the Project Planner. The City will send you another notice before the City makes a decision regarding approval of the project.

Before a decision is reached you will receive a formal notice providing another opportunity for public comment.



- City of Campbell -  
Community Development Department  
70 N. First Street, Campbell CA 95008  
(408)866-2140 | [planning@campbellca.gov](mailto:planning@campbellca.gov)

**Note:** Applications may change after initial application submittal. To view the project plans, please scan the QR code.

\*\*Asistencia en Español disponible,  
Simplemente marque (408) 866-2140 y pida traducción en Español



**NOTE:**

GC TO MAINTAIN ADJOINING STREETS FREE AND CLEAN OF PROJECT DIRT, MUD, MATERIAL AND DEBRIS DURING CONSTRUCTION PERIOD, AND MAINTAIN FIRE TRUCK ACCESS TO OTHER PROPERTIES.

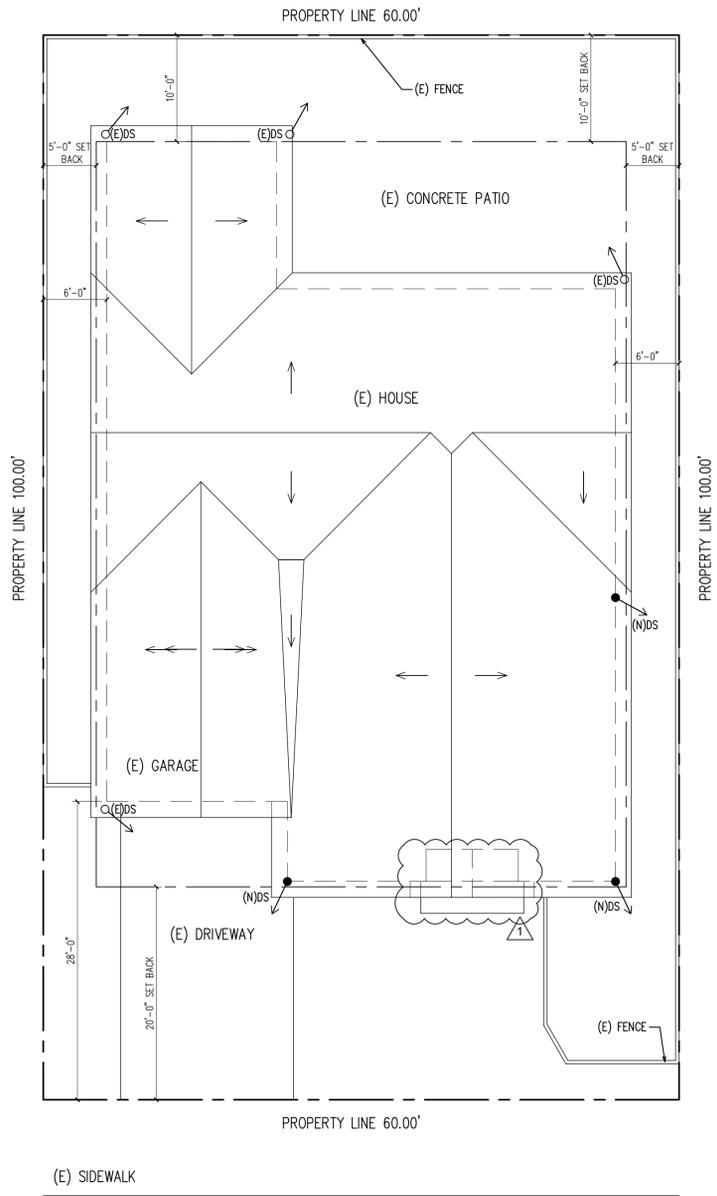
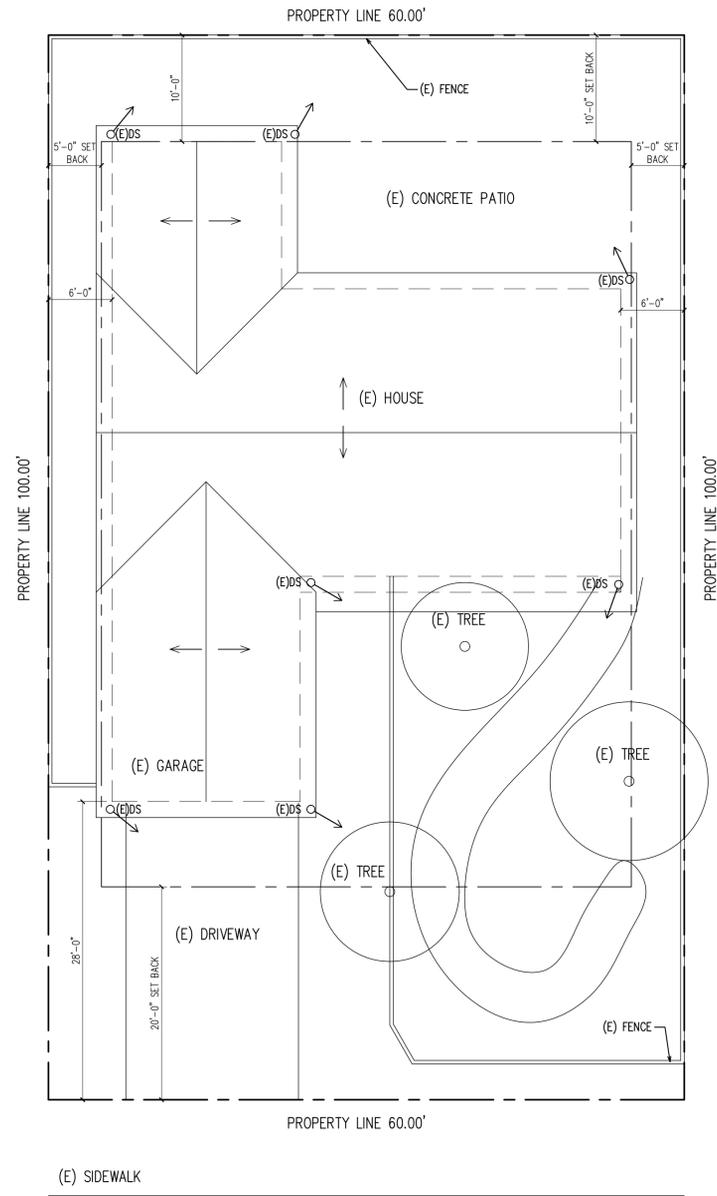
GC TO INSTALL STRAW WATTLE AS NEEDED DURING CONSTRUCTION TO PREVENT RUNOFFS ON ADJACENT SITES, AND PUBLIC RIGHT OF WAY.

(E) DS TO REMAIN, INSTALL (N) SPLASH PAN AS NEEDED.

(N) DS TO CONNECT TO (E) DRAIN SYSTEM W/ 4" PVC AS NEEDED, OR TO STOP ABOVE A SPLASH PAN.

ALL NEW ROOF DRAINAGE WILL BE DIRECTED TO LANDSCAPED AREAS TO THE EXTENT FEASIBLE AND NOT ONTO ADJACENT PROPERTIES.

WHEN NEW FOUNDATIONS ARE NEEDED FOR THE PROJECT, AT THE TIME OF FOUNDATION INSPECTION WHEN REQUIRED BY CITY INSPECTOR OR PART OF PERMITTING APPROVAL REQUIREMENTS, CORNER STAKES OR OFFSET STAKES MUST BE ESTABLISHED BY A LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA AND VERIFIED BY THE FIELD INSPECTOR TO ENSURE THAT NEW STRUCTURE CONSTRUCTION IS LOCATED IN ACCORDANCE WITH THE APPROVED PLANS, AND DOES NOT ENCROACH IN THE SETBACK.



1 EXISTING SITE PLAN  
SCALE: 1/8" = 1'-0"



2 PROPOSED SITE PLAN  
SCALE: 1/8" = 1'-0"

VERIFY ALL DIMENSIONS IN FIELD, IN CASE OF DISCREPANCY, GC TO CONTACT ARCHITECT PRIOR TO CONTINUATION OF WORK.

**CONTRACTOR'S NOTES:**

- CONTRACTOR SHALL BE FULLY INSURED AND LICENSED IN THE STATE WHERE WORK IS TAKING PLACE.
- THE CONTRACTOR SHALL NOT ORDER MATERIALS NOR SCHEDULE THE WORK UNTIL ALL PLAN DIMENSIONS, SPECIFICATIONS, NOTES, HAVE BEEN VERIFIED IN FIELD.
- DRAWINGS, SHOP DRAWINGS AND EXISTING CONDITIONS ARE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR. THE GC SHALL INFORM THE ARCHITECT OF ANY CONFLICTS IN WRITING BEFORE CONSTRUCTION COMMENCES. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS BEST AS PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY.
- IT IS THE RESPONSIBILITY OF THE GC TO NOTIFY THE OWNER AND THE ARCHITECT OF RECORD OF ANY CONDITION FOUND IN THE FIELD TO BE DIFFERENT FROM THOSE SHOWN ON THE PLANS OR SHOP DRAWINGS AND OF NOTED CONFLICTS FOUND ON THE PLANS OR SHOW ON DRAWINGS THAT MAY AFFECT THE COMPLETION OF THE PROJECT, BEFORE SUCH WORK COMMENCES.

- THE GC SHALL REVIEW AND COMPARE THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, PLUMBING, MECHANICAL, CIVIL, AND ELECTRICAL DRAWINGS, AS PROVIDED IN PERMIT SET.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO POURING CONCRETE; ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT OF RECORD BEFORE PROCEEDING WITH WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING AND NEW PROPERTIES OF THE OWNER OR ADJOINING PROPERTIES. THE CONTRACTOR SHALL NOT UNDERMINE FOUNDATIONS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES AND SEQUENCES OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PROGRAMS AND PROCEDURES DURING CONSTRUCTION, INCLUDED BUT NOT LIMITED TO POLLUTION PREVENTION PLAN.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DESIGN AND IMPLEMENT SHORING SYSTEM PRIOR TO THE

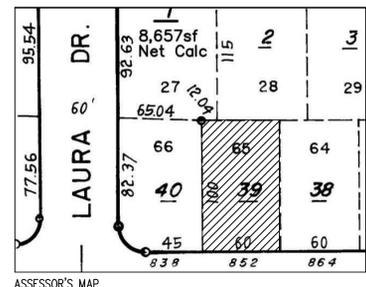
**BEGINNING OF CONSTRUCTION.**

- WHEN A CONFLICT EXISTS ON THE PLANS AND SPECIFICATIONS, DETAIL NOTES AND DRAWINGS SHALL GOVERN AND WRITTEN DIMENSIONS SHALL GOVERN OVER FEDERAL REGULATIONS.
- UNLESS SHOWN OTHERWISE, DETAILS SHOWN ON TYPICAL DETAIL SHEETS SHALL BE USED WHEREVER APPLICABLE. SPECIFIC DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER TYPICAL ARCHITECTURAL DETAILS. SPECIFIC NOTES ON STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER NOTES SHOWN IN GENERAL NOTES.
- MANUFACTURERS' NOTES AND SPECIFICATIONS SHALL APPLY WHEN PER CODE.
- DO NOT SCALE DRAWINGS.
- GC IS RESPONSIBLE FOR LOCATING AND AVOIDING UTILITIES. CALL USA NORTH AT 1-800-227-2600.
- VERIFY ALL DIMENSIONS IN FIELD, IN CASE OF DISCREPANCY CONTACT ARCHITECT PRIOR TO CONTINUATION OF WORK.
- THE ISSUANCE OF A BUILDING PERMIT SHALL NOT BE CONSTRUED AS A GUARANTEE THAT ALL OF CODE

REQUIREMENTS ARE REFLECTED IN THE DOCUMENT. THE GENERAL CONTRACTOR FOR THE PROJECT SHALL BE ULTIMATELY RESPONSIBLE FOR INSURING THAT THE FINISHED BUILT COMPLIES WITH ALL LOCAL, STATES AND FEDERAL REGULATIONS, LAWS AND CODE REQUIREMENTS.

- WHEN MANUFACTURED ROOF TRUSSES ARE INSTALLED, GC TO PROVIDE TRUSSES CALCS SIGNED BY LICENSE PROFESSIONAL FOR APPROVAL BY CITY OR COUNTY. CALCS TO BE REVIEWED AND APPROVED BY ENGINEER OF RECORD PRIOR TO BE SUBMITTED TO THE BUILDING OFFICIAL.
- THE CITY/COUNTY BUILDING OFFICIAL AND/OR FIRE MARSHALL WILL REVIEW THE SCOPE OF WORK AND DETERMINE IF THE EXISTING BUILDING WILL NEED TO BE REQUIRED TO BE RETROFITTED WITH FIRE SUPPRESSION SPRINKLERS. GC TO CONTACT FIRE DEPARTMENT FOR VERIFICATION, AND UPGRADE WATER METER, LINES AS NECESSARY. IF REQUIRED, FIRE SPRINKLER SYSTEM TO BE ON DEFERRED PERMIT AND SUBMITTED BY THE GC.
- GC TO READ, BE FAMILIAR AND FOLLOW ALL STANDARD PROVISIONS, CONSTRUCTION GUIDE LINES AND REQUIREMENTS OF LISTED, CURRENTLY APPLICABLE CODES AND ORDINANCE.

852 MARILYN DR, CAMPBELL, CA 95008



GENERAL SYMBOLS	
	ALL DIMENSIONS
	(E) WALL
	REMOVED WALL
	(N) WALL
	SHEAR WALL
APPLICABLE CODES & STANDARDS	
CITY / COUNTY CODES AND ORDINANCES	
CALIFORNIA BUILDING CODE 2022	
CALIFORNIA RESIDENTIAL CODE 2022	
CALIFORNIA PLUMBING CODE 2022	
CALIFORNIA MECHANICAL CODE 2022	
CALIFORNIA ELECTRICAL CODE 2022	
CALIFORNIA GREEN BUILDING CODE 2022	
CALIFORNIA ENERGY CODE 2022	
CALIFORNIA FIRE CODE 2022	
2022 EDITION OF THE TITLE 24 STANDARDS	
ARCHITECT:	
NAME ROMAIN CURTIS	
ARCHITECT #C35019	
ANURA DESIGN	
367 CIVIC DR #3,	
PLEASANT HILL, CA94523	
phone: 510.612.0345	
roman@anuradesign.com	
OWNER'S REPRESENTATIVE:	
ANTON KLEIN	
852 MARILYN DR	
CAMPBELL	
PROJECT DATA	
OCCUPANCY:	R-3 / U
CONSTRUCTION TYPE:	VB
FIRE SPRINKLERS:	NO
STORIES:	1
APN:	404-32-039
FLOOD ZONE:	X
ZONING:	R-1-6
NET SITE AREA:	6000 SF
(E) 1ST FLOOR:	1,514 SF
(E) GARAGE:	379 SF
(E) ENTRY PORCH:	45 SF
(E) FOOT PRINT:	1,937 SF
(E) TOTAL CONDITIONED SPACE:	1,514 SF
(E) LOT COVERAGE:	32.28%
(E) FAR:	25.23%
MAX LOT COVERAGE:	40%
MAX FAR:	45%
(N) ADDITION:	846 SF
(N) TOTAL CONDITIONED SPACE:	2,360 SF
(N) TOTAL FOOT PRINT:	2,766 SF
(N) LOT COVERAGE:	46.1%
(N) FAR:	39.33%
SCOPE OF WORK	
INTERIOR REMODEL OF EXISTING RESIDENCE INCLUDING BATHROOMS, BEDROOM, KITCHEN, DINING AND LIVING ROOM. SCOPE ALSO INCLUDES 872 SF OF ADDITIONAL SPACE AND TWO NEW BATHROOMS.	
NO CHANGE TO LANDSCAPING	
NO CHANGE TO PARKING	
NO CHANGE TO IMPERVIOUS AREA	
NO CHANGE TO DRAINAGE	
SHEET INDEX	
A1	SITE PLAN - PROJECT DATA
A2a	EXISTING/ DEMOLITION PLANS
A2b	EXISTING ELEVATIONS
A3	PROPOSED PLAN
A4	PROPOSED ELECTRICAL PLAN
A5	PROPOSED ELEVATIONS
A6	PROPOSED SECTION
A7	DETAILS
A8	EXISTING PICTURES OF THE HOUSE
GN1	GENERAL NOTES
GN2	MANDATORY MEASURES
GN3	MANDATORY MEASURES
GN4	CALGREEN FORMS
GN5	POLLUTION PREVENTION PLAN
EN1	TITLE 24
EN2	TITLE 24
S1.0	STRUCTURAL NOTES
S1.1	STRUCTURAL NOTES
SD.1	SUPPLEMENTAL DETAILS
SD.2	SUPPLEMENTAL DETAILS
SD.3	SUPPLEMENTAL DETAILS
S2.0	FOUNDATION PLAN
S2.1	ROOF FRAMING PLAN
S3.0	FOUNDATION DETAILS
S3.1	FOUNDATION DETAILS
S4.0	ROOF FRAMING DETAILS
S4.1	FOUNDATION DETAILS

**anura**  
design

**REVISIONS**

1	TBD
2	
3	
4	
5	

**ARCHITECT:**

ROMAIN CURTIS  
ARCHITECT #C35019  
ANURA DESIGN  
367 CIVIC DR #3,  
PLEASANT HILL, CA94523  
phone: 510.612.0345  
roman@anuradesign.com

**OWNER'S REPRESENTATIVE:**

ANTON KLEIN  
852 MARILYN DR  
CAMPBELL

**PROJECT DATA**

OCCUPANCY: R-3 / U  
CONSTRUCTION TYPE: VB  
FIRE SPRINKLERS: NO  
STORIES: 1  
APN: 404-32-039  
FLOOD ZONE: X  
ZONING: R-1-6  
NET SITE AREA: 6000 SF

(E) 1ST FLOOR: 1,514 SF  
(E) GARAGE: 379 SF  
(E) ENTRY PORCH: 45 SF  
(E) FOOT PRINT: 1,937 SF  
(E) TOTAL CONDITIONED SPACE: 1,514 SF  
(E) LOT COVERAGE: 32.28%  
(E) FAR: 25.23%  
MAX LOT COVERAGE: 40%  
MAX FAR: 45%

(N) ADDITION: 846 SF  
(N) TOTAL CONDITIONED SPACE: 2,360 SF  
(N) TOTAL FOOT PRINT: 2,766 SF  
(N) LOT COVERAGE: 46.1%  
(N) FAR: 39.33%

**SCOPE OF WORK**

INTERIOR REMODEL OF EXISTING RESIDENCE INCLUDING BATHROOMS, BEDROOM, KITCHEN, DINING AND LIVING ROOM. SCOPE ALSO INCLUDES 872 SF OF ADDITIONAL SPACE AND TWO NEW BATHROOMS.

NO CHANGE TO LANDSCAPING  
NO CHANGE TO PARKING  
NO CHANGE TO IMPERVIOUS AREA  
NO CHANGE TO DRAINAGE

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S3.1	FOUNDATION DETAILS
S4.0	ROOF FRAMING DETAILS
S4.1	FOUNDATION DETAILS

**ADDITION / REMODEL**  
**852 MARILYN DR,**  
**CAMPBELL, CA 95008**

**SITE PLAN**  
**PROJECT DATA**

**DRAWN BY**  
CA008

**CHECKED BY**  
CA007

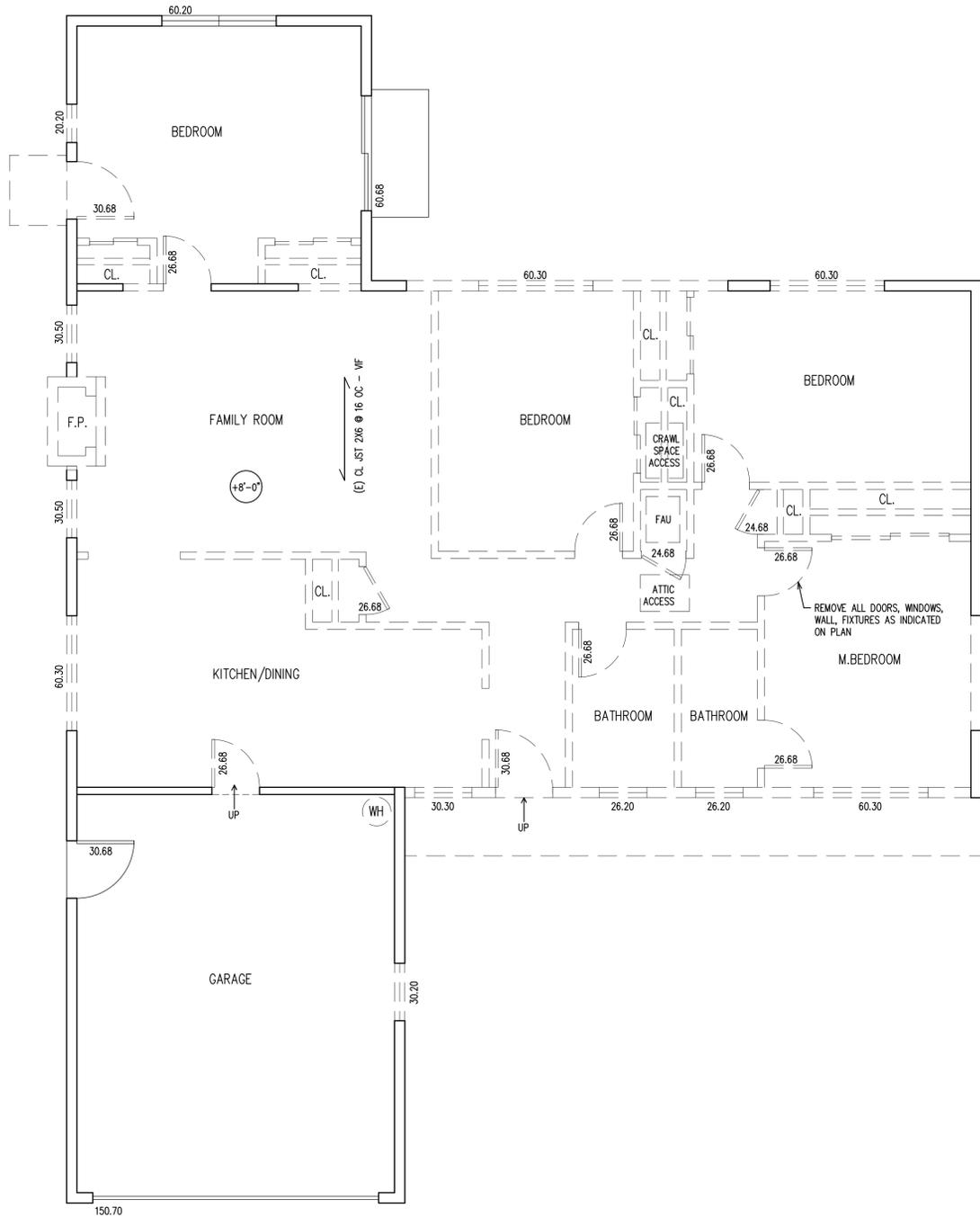
**ISSUE DATE**  
06/16/2024

**SCALE**  
1/8"=1'-0"

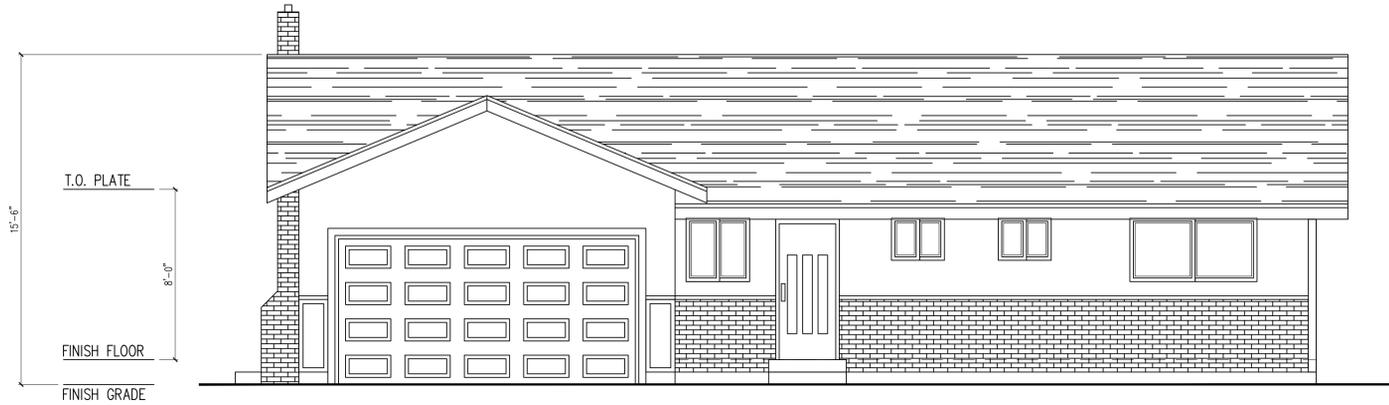
**ANURA JOB NO**  
CA2404-0009

**SHEET**  
A-1

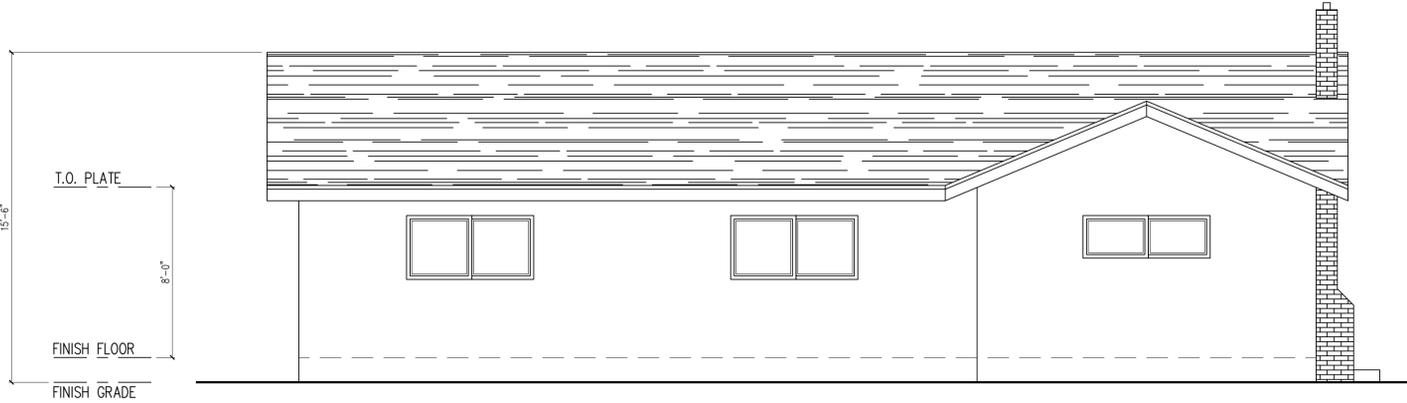
DEMOLITION NOTES:  
 VERIFY IN THE FIELD THAT THE INTERIOR WALLS BEING REMOVED ARE  
 NON-BEARING, NON-BRACED, AND NON-SHEARED WALLS. OTHERWISE,  
 NOTIFY THE ARCHITECT OR ENGINEER OF RECORD FOR FURTHER ACTION  
 AND BEFORE REMOVING THE WALL(S).



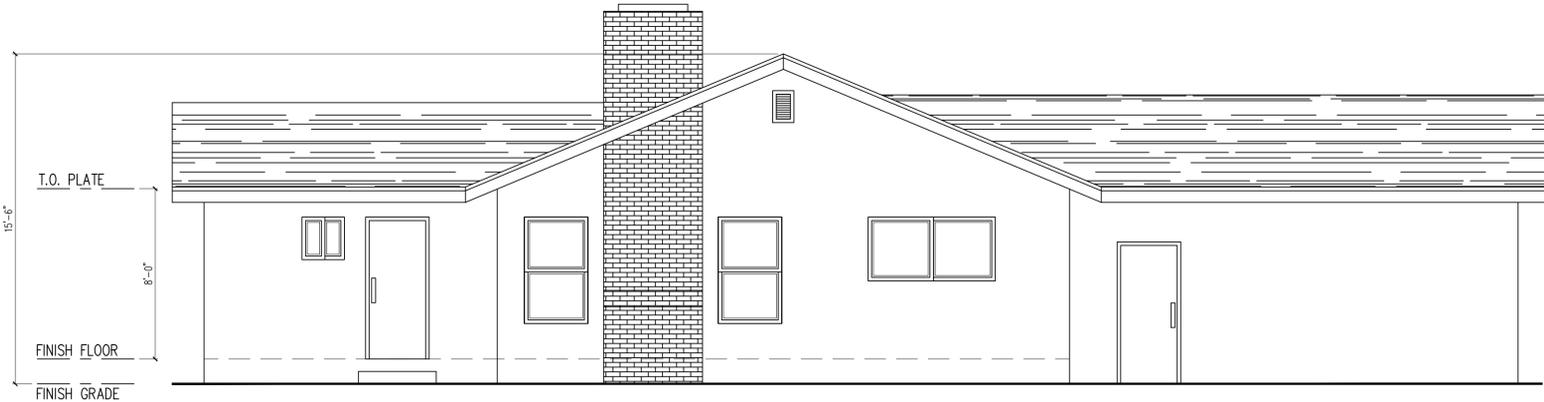
1 EXISTING FLOOR PLAN  
 SCALE: 1/4" = 1'-0"



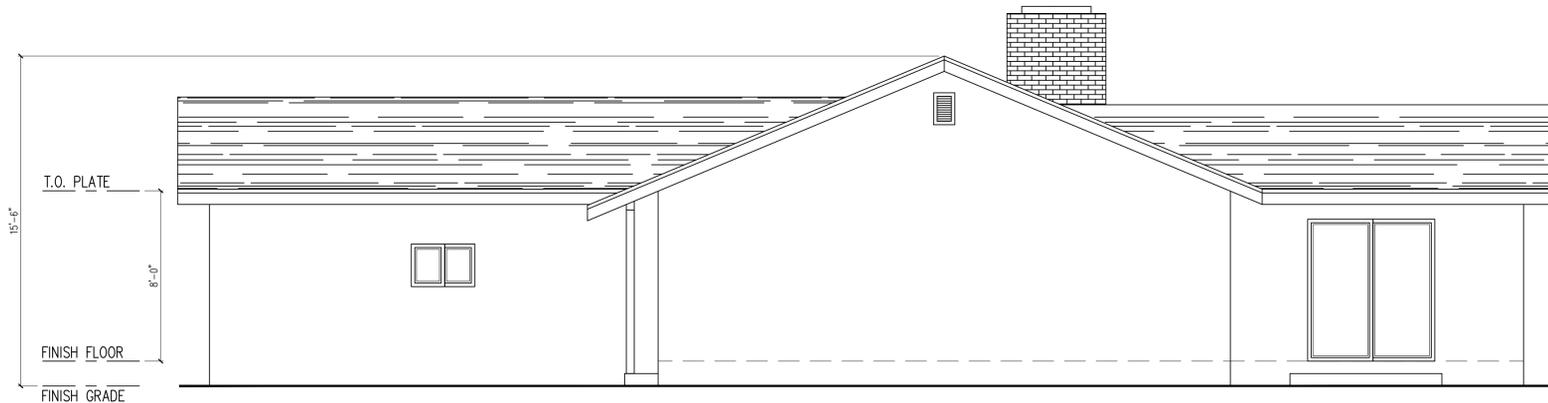
2 EXISTING FRONT ELEVATION  
 SCALE: 1/4" = 1'-0"



3 EXISTING REAR ELEVATION  
 SCALE: 1/4" = 1'-0"



4 EXISTING SIDE ELEVATION  
 SCALE: 1/4" = 1'-0"



5 EXISTING SIDE ELEVATION  
 SCALE: 1/4" = 1'-0"

REVISIONS

- 1 TBD
- 2
- 3
- 4
- 5



ROMAIN CURTIS  
 ARCHITECT #C35019  
 367 CIVIC DR #3,  
 PLEASANT HILL, CA 94523  
 phone: 510.612.0345  
 roman@anuradesign.com

ADDITION / REMODEL  
 852 MARILYN DR,  
 CAMPBELL, CA 95008

EXISTING/  
 DEMOLITION PLANS

DRAWN BY  
**CA008**  
 CHECKED BY  
**CA007**  
 ISSUE DATE  
**06/16/2024**  
 SCALE  
**1/4"=1'-0"**  
 ANURA JOB NO  
**CA2404-0009**  
 SHEET



**NOTES:**  
FOR STRUCTURAL, AND/OR SEISMIC RETROFIT, SHEAR WALL DETAILS AND LOCATION, AND FOUNDATION DESIGN, SEE STRUCTURAL DESIGN.

**FOOTING:**  
GC TO VERIFY THAT THE (E) FOUNDATION SYSTEM IS CONSISTENT WITH THE PROPOSED DESIGN (PIER VERSUS SPREAD FOOTING, MAT FOOTING...). GC TO VERIFY EXISTING FOOTING BEFORE ANY FOUNDATION WORK IS DONE. GC TO VERIFY THAT PROPOSED FOOTING ARE SIMILAR AND CONSISTENT WITH EXISTING FOOTING SYSTEM (PIER - PIER, SPREAD FOOTING - SPREAD FOOTING) SHOWN ON PLANS. IN CASE OF DISCREPANCY (PIER - SPREAD FOOTING), STOP WORK AND CONTACT ARCHITECT AND ENGINEER OF RECORD.

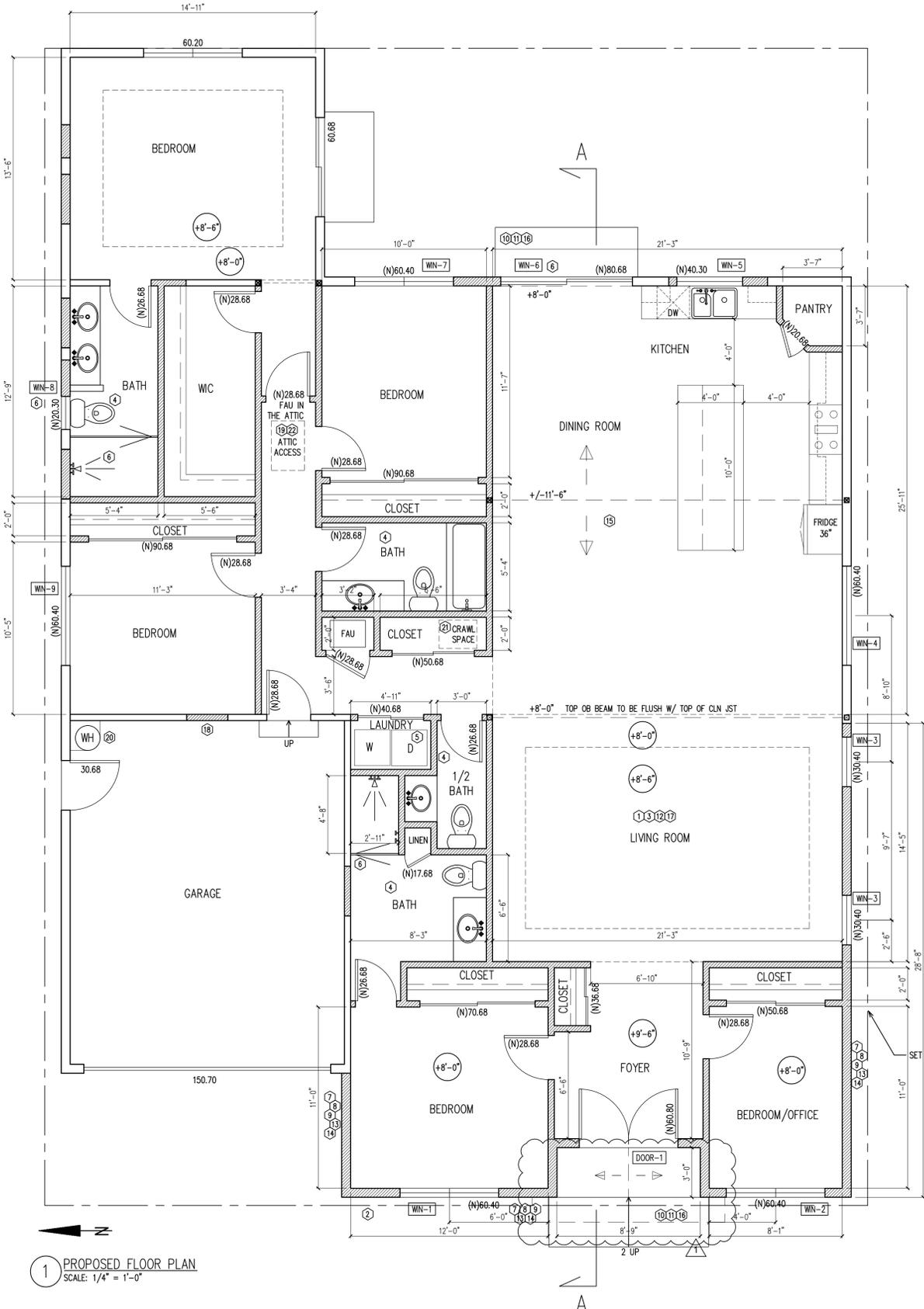
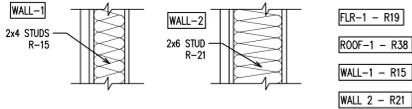
**INTERIOR FINISHES:**  
WALL - SHEET ROCK - SMOOTH FINISH  
CEILING - SHEET ROCK - SMOOTH FINISH  
FLOORS - HARDWOOD FLOORS  
FLOORS FOR BATHROOM, LAUNDRY ROOM, MUD ROOM TO BE VINYL.  
WALLS IN BATHROOMS TO BE TILES  
GARAGE TO BE SEALED/PAINTED CONCRETE  
ALL WINDOWS TO BE VINYL AND/OR FIBERGLASS - UON  
ALL DOORS TO BE SOLID WOOD DOOR - UON  
ALL FINISHES TO BE SELECTED AND SPECIFIED BY OWNER - TYP. WHOLE HOUSE - UON

**FIXTURE, DOORS AND WINDOWS:**  
GC TO VERIFY ALL DIMENSIONS BEFORE ORDERING DOORS, WINDOWS, FIXTURES... ACTUAL FRAMING DIMENSIONS, ROUGH DIMENSION OR FIXTURE DIMENSION MAY DIFFER FROM DIMENSIONS SHOWN ON PLAN, ESPECIALLY FOR WINDOW, DOOR, AND FIXTURE REPLACEMENT.

**INSULATION:**  
WHEN ENERGY COMPLIANCE REQUIRE HIGH QUALITY INSULATION (OI), INSTALLATION MUST COMPLY WITH OI REQUIREMENTS; OR INSTALLATION REQUIRED HERS INSPECTION, IT IS CRITICAL TO AVOID HOLES, VOIDS AND GAPS DURING INSTALLATION. IF IT DOES NOT PASS HERS INSPECTION, INSULATION WILL NEED TO BE RE-INSTALLED.

**TRUSSES:**  
GC TO VERIFY ROOF SLOPE AND DIMENSION IN THE FIELD BEFORE ORDERING MANUFACTURED TRUSSES. IN CASE OF DISCREPANCY WITH THE PLANS (EXISTING OR PROPOSED), STOP WORK AND CONTACT THE ARCHITECT OF RECORD BEFORE ORDERING THE TRUSSES.  
ALL MANUFACTURED TRUSSES ORDER REQUIRED A SITE VISIT FROM THE MANUFACTURER TO VERIFY ALL DIMENSIONS.  
GC IS SOLELY RESPONSIBLE FOR REPLACING UNFITTED TRUSSES.

ID	ROOM	TYP	FRAME	QTY	WIDTH	HEIGHT	GLAZING
1	ENTRY	SLIDING WINDOW	FIBERGLASS	1	6'-0"	4'-0"	CLR
2	BEDROOM/OFFICE	SLIDING WINDOW	FIBERGLASS	1	6'-0"	4'-0"	CLR
3	LIVING ROOM	SINGLE HUNG	FIBERGLASS	2	3'-0"	4'-0"	CLR
4	LIVING ROOM	SLIDING WINDOW	FIBERGLASS	1	6'-0"	4'-0"	CLR
5	KITCHEN	SLIDING WINDOW	FIBERGLASS	1	4'-0"	3'-0"	CLR
6	DINING ROOM	SLIDING DOOR	FIBERGLASS	1	8'-0"	6'-8"	TEMPERED
7	BEDROOM	SLIDING WINDOW	FIBERGLASS	1	6'-0"	4'-0"	CLR
8	BATH	SINGLE HUNG	FIBERGLASS	1	2'-0"	3'-0"	FROSTED TEMPERED
9	BEDROOM	SLIDING WINDOW	FIBERGLASS	1	6'-0"	4'-0"	CLR



1 PROPOSED FLOOR PLAN  
SCALE: 1/4" = 1'-0"

846 SF ADDITION



**FLOOR PLAN KEY NOTES**

- SEE ATTACHED MANDATORY MEASURES TO BE FOLLOWED OR/AND DONE DURING CONSTRUCTION PER 2022 CRC
- APPROVED ADDRESS NUMBER FOR EACH UNIT TO BE CONTRAST W/ BACKGROUND COLOR, MIN 4" HIGH, MIN STROKES OF 1/8" AND BE ILLUMINATED, AND CLEARLY VISIBLE FROM THE STREET
- WF & INSTALL INSTANT GAS SHUT OFF
- BATHROOM - SHOWER COMPARTMENT TO HAVE A MIN. FINISHED INTERIOR OF 1.024 SO INCHES. ALL WALLS ADJACENT TO SHOWER TO A HEIGHT OF 72" ABOVE DRAIN TO BE TILED ON FIBER CEMENT BACKER BOARD 30" DIAM. - CLR ALL WALLS ADJACENT TO TUB TO A HEIGHT OF 72" ABOVE DRAIN TO BE TILED ON FIBER CEMENT BACKER BOARD DRYWALL MUST CONTINUE BEHIND TUB/SHOWERS. GYPSUM BOARD USED AS BACKER SHALL NOT BE INSTALLED OVER A CLASS 1 OR 1 VAPOR RETARDER AT TUB OR SHOWER COMPARTMENTS. CRC 7102.3.7 TOILET TO HAVE 15" CLR MIN. OC. EACH SIDE AND 24" CLR MIN IN FRONT
- LAUNDRY AREA PUT FOAM INSULATION AT ALL WALL AROUND LAUNDRY ROOM AT LAUNDRY ROOM PROVIDE A MINIMUM SIZED OPENING OF 100 SQUARE INCHES IN DOOR PER CMC 504.3.2. FOR MAKEUP AIR. (N) FLUE / VENT FOR DRYER 14'-0" LONG MAX. END MUST BE 3'-0" MIN FROM ANY OPENING. IF LONGER THAN 14'-0" ADD MECHANICAL FAN TO BE AUTOMATICALLY ON WHEN W/D ARE IN USE. (N) METAL FLUE TO BE INSULATED AND 4" CLR MIN ALL TIMBER - INSTALL PER MANUFACTURER SPECIFICATIONS - INSULATE ALL FLUE AND VENT TO PREVENT CONDENSATION
- TEMP. GLASS
- (N) EXTERIOR WALL 2X6 OF #2 MIN 1/2" PLY WOOD SHEATHING - R-21 INSULATION UON IN T24 2 LAYER BRAD 17" BLDG. PAPER SIDING AND TRIM OR STUCCO TO MATCH (E) - UON
- (N) CONCRETE FOUNDATION SOIL TO SLOPE AWAY FROM FOUNDATION 10' MIN AT 5% ALL SILL PLATE TO BE PT WOOD - NO EXCEPTION
- (N) FRENCH DRAIN
- (N) CONCRETE STAIRS AND LANDING
- AT DOOR, 36" MIN DEPTH LANDING TO BE NO MORE THAN 1-1/2" BELOW 1/2" THRESHOLD - LANDING TO SLOPE AWAY 1/4" PER FOOT MIN
- DRY ROT - REPAIR AND REPLACE AS NECESSARY
- MAINTAIN AT LEAST 8" BETWEEN WEEP SCREED AND DIRT. MAINTAIN AT LEAST 6" BETWEEN THE WEEP SCREED AND ANY PAVED AREA
- SLOPE AWAY 1/4" PER FOOT MIN
- AT VAULTED CEILING CLOSET-CELL FOAM STAP AIR AND MOISTURE R VALUE PER INCH = +/- 6.5
- CONCRETE LANDINGS AT EXTERIOR DOORS AND EXTERIOR STAIRS EQUAL TO THE WIDTH OF THE DOOR/STAIRS MIN AND A LENGTH IN THE DIRECTION OF TRAVEL EQUAL TO 36" AND SLOPE OF EXTERIOR LANDINGS SHALL NOT EXCEED 1/4" PER FOOT (2% SLOPE). [§R311.3 CRC]
- ALL EXISTING NONCOMPLIANT PLUMBING FIXTURES SHALL BE REPLACED WITH WATER-CONSERVING PLUMBING FIXTURES WHEN REQUIRED IN THE 2022 MANDATORY MEASURE. ALL NEW FIXTURES TO COMPLY WITH THE 2022 MANDATORY MEASURE. SEE QN2 FOR LOW FLOW WATER FIXTURE REQUIREMENTS. SHOWERS AND TUB-SHOWER COMBINATIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE, THERMOSTATIC, OR COMBINATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVE TYPE.
- DO NOT CUT INTO SLAB PRE TENSION CABLES IN SLAB GC TO PROVIDE OWNER AND ARCHITECT WITH A SCAN OF THE SLAB SHOWING LOCATION OF PRE TENSIONED CABLE IN SLAB PRIOR TO ANY CUT IN SLAB.
- FOR THE FURNACE IN THE ATTIC PROVIDE A PASSAGEWAY FROM THE ACCESS TO THE APPLIANCE. PASSAGEWAY SHALL HAVE SOLID 1" PW FLOORING NO LESS THAN 24 INCHES WIDE. CMC 904.10.2 A 30-INCH BY 30-INCH PLATFORM SHALL BE PROVIDED IN FRONT OF THE SERVICE SIDE OF THE FURNACE. CMC 904.10.3 A LIGHT FIXTURE AND CONVENIENCE OUTLET SHALL BE PROVIDED NEAR THE APPLIANCE. SWITCH CONTROLLING THE LIGHT FIXTURE SHALL BE LOCATED AT THE ENTRANCE TO THE PASSAGEWAY. CMC 904.10.4.
- TANK WATER HEATER TO HAVE WATERTIGHT CORROSION RESISTANT METAL PAN BELOW WATER HEATER. PROVIDE SEISMIC ANCHORAGE OF WATER HEATER. W/ OTHER ANCHORS OR STRAPS AT POINTS WITHIN THE UPPER AND LOWER ONE-THIRD OF ITS VERTICAL DIMENSION. THE LOWER ANCHOR/STRAP LOCATED TO MAINTAIN A MINIMUM DISTANCE OF 4 INCHES ABOVE THE CONTROLS. WATER HEATER TO HAVE A PRESSURE RELIEF VALVE WITH DRAIN TO THE EXTERIOR WHEN INDOOR TO BE DIRECT VENT TYPE - VENT TO EXTERIOR OF BUILDING
- CRAWL SPACE ACCESS 18"x24" MIN PROVIDE AND MAINTAIN UNDER-FLOOR VENTILATION AT THE RATE OF 1SF FOR EACH 150 SF.
- ATTIC ACCESS 24"x36" MIN PROVIDE AND MAINTAIN ATTIC VENTILATION AT THE RATE OF 1 SF FOR EACH 150 SF. ALL UNDER-FLOOR VENTILATION OPENINGS SHALL BE COVERED WITH A WIRE MESH OPENING NOT MORE THAN 1/4"-INCH.

VERIFY ALL DIMENSIONS IN FIELD, IN CASE OF DISCREPANCY, GC TO CONTACT ARCHITECT PRIOR TO CONTINUATION OF WORK.

**TIMBER FRAMING:**  
ALL FRAMING LUMBER SHALL BE DOUGLAS FIR GRADE STAMPED ACCORDING TO THE CURRENT GRADING RULES AS FOLLOWS:  
BEAMS AND STRINGERS - #1 OR STRUCTURAL AS NOTED  
CEILING JOISTS AND RAFTERS - #2 OR #1 AS NOTED  
FLOOR FRAMING SHALL BE #2 @ 16" O.C. U.O.N. DOOR AND WINDOW HEADERS - #2  
PLATES AND BLOCKING - #2  
ALL LUMBER SHALL BE MINIMUM DOUGLAS FIR #2 WMPA ALL SUB-FLOORS SHALL BE 3/4" TONGUE AND GROOVE EDGE GOLD OSG, STAGGERED JOINTS. GUE WITH OSI CONSTRUCTION ADHESIVE. NAIL WITH 10D NAILS AT 6" O.C. AT DICES AND 12" O.C. THROUGHOUT.

**DOUBLE FLOOR JOISTS BELOW PARALLEL PARTITIONS**  
WITH 16D NAILS AT 12" O.C., STAGGERED.  
ALL SHEAR WALLS SHALL BE 2" OSB UON. PROVIDE HARDWARE MANUFACTURED BY SIMPSON AS REQUIRED. INSTALL PER MANUFACTURER'S INSTRUCTIONS.  
FLOOR JOISTS AND CEILING JOISTS SHALL BE SIDE LAPPED AND NAILED OVER TOP PLATES, U.O.N.  
ALL UNTREATED WOOD FRAMING SHALL BE A MINIMUM OF 8" ABOVE ADJACENT FINISHED GRADE.  
ALL TIMBER LESS THAN 8" FROM FINISHED GRADE SHALL BE PRESSURE TREATED. ALL SILL PLATE TO BE PT WOOD.  
EARTH ON WHICH CONCRETE FOUNDATIONS ARE TO BE POURED MUST BE WETTED NOT LESS THAN 24 HOURS PRIOR TO PLACING CONCRETE.  
FRAMING (E.G., JOISTS, BEAMS, POSTS, DECKING) SHALL BE OF APPROVED NATURALLY DURABLE OR PRESSURE TREATED WOOD.

**REINFORCEMENT OF CONCRETE SLAB AND SLAB THICKNESS TO BE AS NOTED ON DRAWINGS.**  
ALL NEW WINDOWS AND DOORS W/ GLASS WINDOW TO HAVE U FACTOR AS NOTED ON ENERGY REPORT & BE NRC RATED - TYP.  
ALL GLASS IN (N) INTERIOR OR EXTERIOR DOORS TO BE TEMPERED.

**SLUCCO:**  
EXTERIOR 7/8"-INCH TEXTURED STUCCO SHALL BE APPLIED ACCORDING TO THE USBC RECOMMENDATIONS. TECHNICAL SERVICES INFORMATION BUREAU - CHAPTER 6 - THREE-COAT PLASTER-STUCCO DETAILS

**INSULATION:**  
ALL EXTERIOR WALLS/CEILING/FLOORS (OR WALLS ADJACENT TO UNCONDITIONED SPACE) THAT ARE OPENED UP DURING CONSTRUCTION WILL BE INSULATED.

**2X4 FRAMED WALLS WITH A MINIMUM OF R-15, 2X6 FRAMED WALLS WITH R-21, FLOORS W/ R-19 CEILING WITH R-30 (ZONE 3) R-38 (ZONE 12) OR AS OTHERWISE NOTED ON PLAN OR ENERGY REPORT. FOR ALL NEW WALLS, FLOORS, ROOF, SEE ENERGY REPORT FOR INSULATION REQUIREMENTS.**

**VENTILATION:**  
MECHANICAL VENTILATION SYSTEM PROVIDED IN THE BATHROOM/WATER CLOSET SPACES SHALL BE A MINIMUM 50-CU. FT. PER MINUTE (FOR INTERMITTENT VENTILATION), OR 25-CU. FT. PER MINUTE FOR CONTINUOUS VENTILATION. THE VENTILATION AIR FROM THIS SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTSIDE.  
WHEN THE BATHROOM OR TOILET ROOM IS NOT OCCUPIED

**WITH A WINDOW THAT PROVIDES A VENTILATION OPENING OF AT LEAST 1.5 SQ.FT. PROVIDE MECHANICAL VENTILATION WITH AN EXHAUST CAPACITY OF AT LEAST 50 CFM. EXHAUST FAN SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEM.  
EACH BATHROOM CONTAINING A BATHTUB, SHOWER OR TUB SHOWER COMBINATION SHALL BE MECHANICALLY VENTILATED FOR PURPOSES OF HUMIDITY CONTROL.  
WINDOW OPERATION IS NOT A PERMISSIBLE METHOD OF PROVIDING BATHROOM EXHAUST FOR HUMIDITY CONTROL. EXHAUST RATE OF RESTROOM FANS AT (E) BATHROOM, (N) BATHROOM AND POWDER ROOM ADJACENT TO BATHROOM AND FAMILY ROOM THAT DO NOT HAVE A WINDOW TO HAVE ARTIFICIAL LIGHT AND A LOCAL EXHAUST SYSTEM.  
THE MINIMUM LOCAL EXHAUST RATES SHALL BE 50 CUBIC FEET PER MINUTE FOR INTERMITTENT VENTILATION**

**OR 20 CUBIC FEET PER MINUTE FOR CONTINUOUS VENTILATION. EXHAUST AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTDOORS.  
DOMESTIC DRYER MOISTURE EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14 FEET (4.267 MM), INCLUDING TWO 90 DEGREE (1.57 RAD) ELBOWS. A LENGTH OF 2 FEET (610 MM) SHALL BE DEDUCTED FOR EACH 90 DEGREE (1.57 RAD) ELBOW IN EXCESS OF TWO. NOT LESS THAN A 4 INCH DIAMETER (102 MM) MOISTURE EXHAUST DUCT OF APPROVED MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CODE.**

**GC TO PROVIDE AN EXHAUST FAN FOR WHOLE-BUILDING VENTILATION TO MEET INDOOR AIR QUALITY (IAQ) REQUIREMENTS. THE FAN SHOULD BE ON AT ALL TIMES WHEN THE BUILDING IS OCCUPIED.**

**FLASHING:**  
FLASHING TO BE INSTALLED TO ADEQUATELY PREVENT MOISTURE FROM ENTERING THE WALL AT PENETRATIONS OF THE BUILDING ENVELOPE INCLUDING BUT NOT LIMITED TO THE LOCATIONS AND FLASHING INSTALLATION REQUIREMENTS.

**EGRESS:**  
IN BED ROOMS, AT LEAST ONE WINDOW OR DOOR TO EXTERIOR TO COMPLY WITH EGRESS REQUIREMENTS. ONE WINDOW IN EACH BEDROOM MUST COMPLY W/ THE FOLLOWING:  
MIN CLEAR OPENING HEIGHT OF 24"  
MIN CLEAR OPENABLE WIDTH OF 24"  
MIN CLEAR OPENABLE AREA NOT LESS THAN 5.7 SF.  
BOTTOM OF CLEAR OPENING NOT GREATER THAN 44" ABOVE THE FLOOR - GC TO WF

**NEW FOUNDATIONS:**  
AT THE TIME OF FOUNDATION INSPECTION CORNER STAKES OR OFFSET STAKES MUST BE ESTABLISHED BY A LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA AND VERIFIED BY THE FIELD INSPECTOR TO ENSURE THAT NEW STRUCTURE CONSTRUCTION IS LOCATED IN ACCORDANCE WITH THE APPROVED PLANS, AND DOES NOT ENCROUGH IN THE SETBACK.

**CONCRETE FOUNDATIONS:**  
ALL CONCRETE SHALL BE MINIMUM 2,500 PSI STRENGTH WITHIN 28 DAYS. - UON SSD  
REINFORCING STEEL LARGER THAN # 5 SHALL BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM A415, 30,000 PSI. SPLICES - 40 BAR DIAMETERS, BENDS MINIMUM 12".

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REVISIONS

- 1 TBD
- 2
- 3
- 4
- 5



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ADDITION / REMODEL  
852 MARILYN DR,  
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PROPOSED  
PLAN

DRAWN BY  
CA008  
CHECKED BY  
CA007  
ISSUE DATE  
06/16/2024  
SCALE  
1/4"=1'-0"  
ANURA JOB NO  
CA2404-0009  
SHEET

REVISIONS

1	TBD
2	
3	
4	
5	



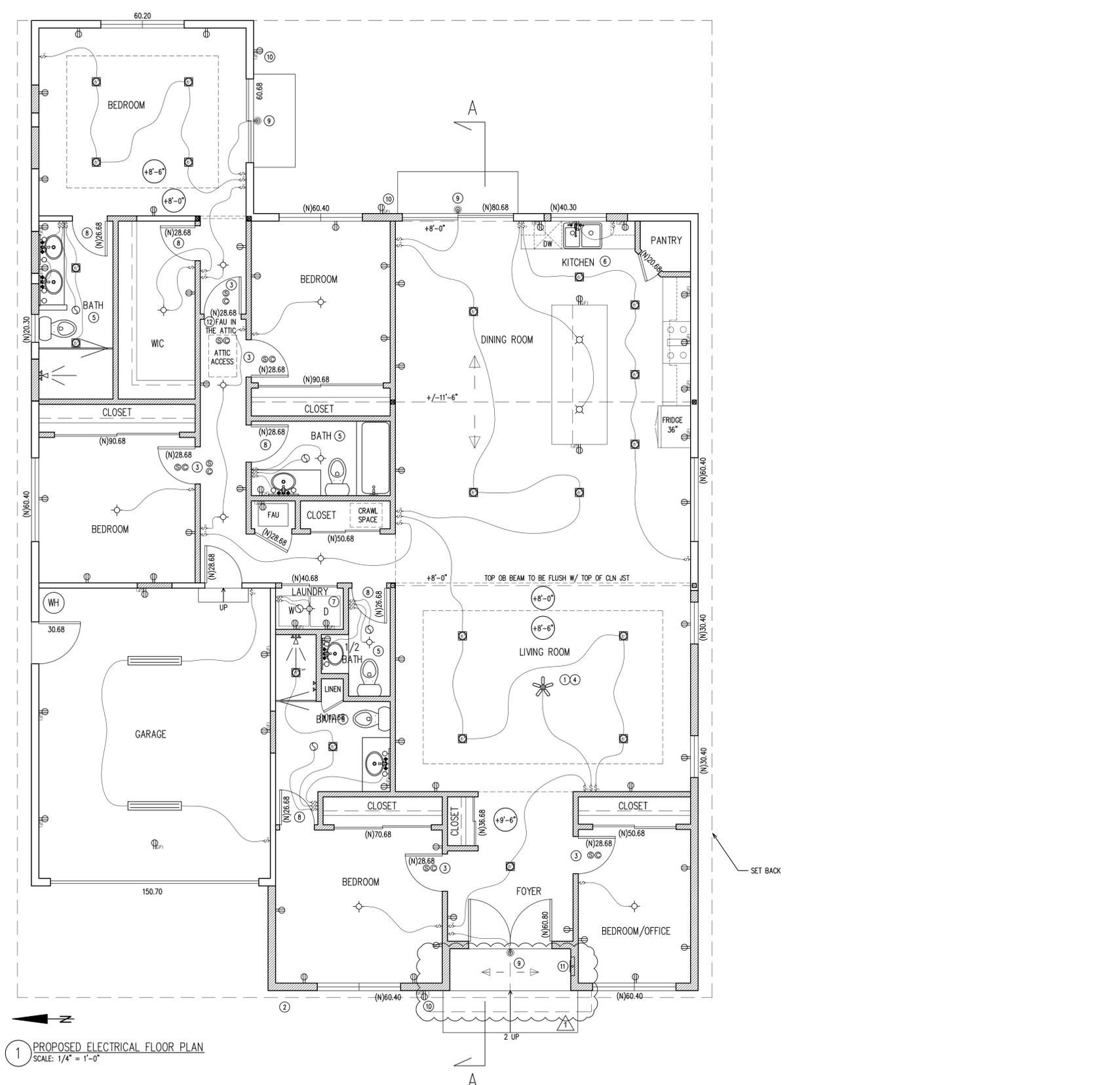
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ADDITION / REMODEL  
852 MARILYN DR,  
CAMPBELL, CA 95008

PROPOSED  
ELECTRICAL PLAN

DRAWN BY  
CA008  
CHECKED BY  
CA007  
ISSUE DATE  
06/16/2024  
SCALE  
1/4"=1'-0"  
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CA2404-0009  
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- ELECTRICAL KEY NOTES:**
- SEE ATTACHED MANDATORY MEASURES TO BE FOLLOWED OR/AND DONE DURING CONSTRUCTION PER 2022 CBC
  - APPROVED ADDRESS NUMBER FOR EACH UNIT TO BE CONTRAST W/ BACKGROUND COLOR, MIN 4" HIGH, MIN STROKE OF 1/2" AND BE ILLUMINATED, AND CLEARLY VISIBLE FROM THE STREET
  - NEW CARBON MONOXIDE ALARMS AND SMOKE DETECTOR SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND SHALL BE EQUIPPED WITH A BATTERY BACK-UP. THEY SHALL BE INTERCONNECTED IN A MANNER THAT ACTIVATION OF ONE ALARM SHALL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. SMOKE ALARMS SHALL BE INSTALLED A MINIMUM OF 20 FEET FROM A PERMANENTLY INSTALLED COOKING APPLIANCE. IONIZATION SMOKE ALARMS AND PHOTOELECTRIC SMOKE ALARMS ARE PERMITTED TO BE INSTALLED 10 FEET OR GREATER FROM A PERMANENTLY INSTALLED COOKING APPLIANCE.
  - ARC FAULT CIRCUIT INTERRUPTERS IN ALL ROOMS - UON
  - (N) BATHROOM  
PROVIDE AT LEAST ONE 20-AMP CIRCUIT AT BATHROOM. CIRCUIT SHALL HAVE NO OTHER OUTLETS. LUMINAIRES INSTALLED IN WET OR DAMP LOCATIONS MUST BE MARKED - SUITABLE FOR WET/DAMP LOCATIONS. MECHANICAL VENTILATION (EXHAUSTED FAN) IS REQUIRED IN ALL BATHROOMS. BATHROOM EXHAUST FANS WHICH EXHAUST DIRECTLY FROM BATHROOMS SHALL COMPLY WITH COBS 4.506.1 AND SHALL INCLUDE THE FOLLOWING: HAVE AN EXHAUST RATE OF MIN 50 CFM AND BE ENERGY STAR COMPLIANT AND HAVE A BACKDRAFT DAMPER. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM FANS MUST BE CONTROLLED BY A HUMIDISTAT WHICH SHALL BE READILY ACCESSIBLE. HUMIDISTAT CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY OF 50% TO 55%. THE CONTROL MAY BE A SEPARATE COMPONENT OR INTEGRAL TO THE EXHAUST FAN. BATHROOM EXHAUST FAN CONTROLS MUST COMPLY WITH ONE OF THE FOLLOWING:  
ALL LIGHTING SHALL BE SWITCHED SEPARATELY FROM EXHAUST FANS. FOR AN EXHAUST FAN WITH AN INTEGRAL LIGHTING SYSTEM, IT SHALL BE POSSIBLE FOR THE LIGHTING SYSTEM TO BE MANUALLY TURNED ON AND OFF WHILE ALLOWING THE FAN TO CONTINUE TO OPERATE FOR AN EXTENDED PERIOD OF TIME.  
IF FAN IS PART OF INTERMITTENT WHOLE HOUSE FAN VENTILATION SYSTEM PER ASHRAE 62.2, MAXIMUM SOUND RATING OF 3-SONES IS ALLOWED AT 100 CFM.  
LIGHTS AT BATHROOM ROOMS SHALL BE HIGH EFFICACY AND CONTROLLED BY VACANCY SENSORS.  
EXHAUST FAN SHOWING IN THE BATHROOMS SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEM. (CENC 150.0(K) 2 (B)).
  - (N) KITCHEN  
TWO SMALL APPLIANCE OUTLET CIRCUITS, 20-AMP EACH, ARE REQUIRED IN KITCHEN. CIRCUITS SHALL BE BALANCED AND HAVE NO OTHER OUTLETS. PROVIDE INDIVIDUAL DEDICATED CIRCUITS, MINIMUM 15 AMPS EACH, FOR ALL MAJOR APPLIANCES AND AS FOLLOWS: DISHWASHER, GARBAGE DISPOSAL, HOOD, REFRIGERATOR, ETC.  
KITCHEN RECEPTACLE OUTLETS SERVING COUNTERTOPS SHALL BE INSTALLED IN EACH COUNTER WALL 12 INCHES OR WIDER SO NO POINT ALONG THE WALL IS MORE THAN 24 INCHES. SHALL BE INSTALLED IN EACH WALL SPACE SEPARATED BY RANGE TOPS, REFRIGERATORS OR SINKS. SHALL BE INSTALLED NOT MORE THAN 20 INCHES ABOVE THE COUNTERTOP. AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH ISLAND AND EACH PENINSULA COUNTER SPACE WITH A LONG DIMENSION OF 24 INCHES MINIMUM AND A SHORT DIMENSION OF 12 INCHES OR GREATER. PENINSULA COUNTER TOPS ARE MEASURED FROM THE CONNECTING EDGE.  
THE KITCHEN EXHAUST SYSTEM SHALL BE DUCTED WITH A SMOOTH METAL INTERIOR DUCT, VENTED TO OUTDOORS, HAVE A MINIMUM EXHAUST RATE OF 100 CFM AND BE PROVIDED WITH A BACK-DRAFT DAMPER.  
EXHAUST FANS AND UNDER CABINET LIGHTING SHALL BE SWITCHED SEPARATELY FROM LIGHTING SOURCE.  
KITCHEN SHALL HAVE AN EXHAUST FAN DUCTED TO THE OUTSIDE WITH A MINIMUM VENTILATION RATE OF 50 CFM. THE DUCTING SHALL BE SIZED ACCORDING TO ASHRAE STANDARD 62.2 TABLE 7.1. [§150.0(C) CENC]  
KITCHEN HOOD SHALL HAVE A MINIMUM 100 CFM EXHAUST RATE, AND HOOD TO HAVE BACKDRAFT DAMPER. IF HOOD IS PART OF INTERMITTENT WHOLE HOUSE FAN VENTILATION SYSTEM PER ASHRAE 62.2, MAXIMUM SOUND RATING OF 3-SONES IS ALLOWED AT 100 CFM.
  - (N) LAUNDRY AREA  
PROVIDE AT LEAST ONE 20-AMP CIRCUIT AT LAUNDRY ROOM. CIRCUIT SHALL HAVE NO OTHER OUTLETS. LUMINAIRES INSTALLED IN WET OR DAMP LOCATIONS MUST BE MARKED - SUITABLE FOR WET/DAMP LOCATIONS. LIGHTS AT LAUNDRY ROOMS AND UTILITY ROOMS SHALL BE HIGH EFFICACY AND CONTROLLED BY VACANCY SENSORS.  
PROVIDE 1 EXHAUST FAN DUCTED TO THE OUTSIDE WITH A MINIMUM VENTILATION RATE OF 50 CFM. THE DUCTING SHALL BE SIZED ACCORDING TO ASHRAE STANDARD 62.2 - TABLE 7.1. [§150.0(C) CENC]
  - VACANCY SENSOR
  - OUTDOOR LIGHTING SHALL BE CONTROLLED BY MANUAL ON/OFF SWITCH AND CONTROLLED BY PHOTOCELL AND MOTION SENSOR OR PHOTOCONTROL, TIME SWITCH, CONTROL, ASTRONOMICAL TIME CLOCK, ENERGY MANAGEMENT CONTROLS SYSTEM.
  - WEATHERPROOF EXTERIOR GRADED OUTLET
  - (N) 100 AMP SUB-PANEL
  - (N) FAU - DUCT IN ATTIC



1 PROPOSED ELECTRICAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



VERIFY ALL DIMENSIONS IN FIELD, IN CASE OF DISCREPANCY, GC TO CONTACT ARCHITECT PRIOR TO CONTINUATION OF WORK.

**ELECTRICAL NOTES:**

- AFCI PROTECTION IS REQUIRED FOR ALL RECEPTACLES EXCEPT FOR THOSE LOCATED OUTSIDE, IN BATHROOMS, GARAGES, ATTICS AND BASEMENTS.
- TAMPER RESISTANT RECEPTACLES ARE REQUIRED IN ALL LOCATIONS EXCEPT AT OUTLETS LOCATED MORE THAN 5 1/2 FEET ABOVE THE FLOOR, OUTLETS THAT ARE A PART OF A LUMINAIRE, OUTLETS DEDICATED TO APPLIANCES THAT CANNOT BE EASILY MOVED AND AT OUTLETS LOCATED IN ATTICS.
- GFCI PROTECTION REQUIRED FOR RECEPTACLES LOCATED OUTDOORS, IN BATHROOMS, UNFINISHED BASEMENTS, CRAWL SPACES, KITCHEN AND WET BAR COUNTER TOP SURFACES, GARAGES, ACCESSORY BUILDINGS NOT INTENDED AS HABITABLE ROOMS.
- RECEPTACLES LOCATED IN DAMP OR WET LOCATIONS SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF AND SHALL BE LISTED WEATHER RESISTANT TYPE.
- CLARIFY RECEPTACLE OUTLET LOCATIONS:
- A) SHALL NOT BE RECESSED DOWN LIGHT LUMINAIRES IN ALONG THE FLOOR IN ANY WALL SPACE IS OVER 6 FEET FROM THE RECEPTACLE (ALLOWING 12 FEET MAX. BETWEEN RECEPTACLES ON THE SAME WALL).
- B) RECEPTACLES SHALL BE LOCATED ALONG ANY WALL THAT IS 2 FEET OR MORE IN LENGTH.
- C) RECEPTACLE OUTLETS SHALL BE INSTALLED AT EACH WALL COVERED SPACE THAT IS 12 INCHES OR WIDER, NO POINT ALONG THE WALL LINE IS MORE THAN 24 INCHES MEASURED HORIZONTALLY FROM A RECEPTACLE OUTLET IN THAT SPACE.
- ALL INSTALLED LUMINAIRES SHALL BE HIGH EFFICACY AND SHALL BE LISTED WEATHER RESISTANT TYPE.
- SCREW BASED LUMINAIRES SHALL MEET ALL THE FOLLOWING:
  - A) SHALL NOT BE RECESSED DOWN LIGHT LUMINAIRES IN CEILING; AND
  - B) SHALL CONTAIN LAMPS THAT COMPLY WITH CEC REFERENCE JOINT APPENDIX J48; AND
  - C) THE INSTALLED LAMPS SHALL BE MARKED WITH J48-2022 OR J48-2022-E.
- LUMINAIRES RECESSED INTO CEILING MUST MEET ALL THE REQUIREMENTS FOR:
  - INSULATION CONTACT (IC) LABELING; SEALED WITH A GASKET OR CAULKED BETWEEN HOUSING AND CEILING, AND SHALL BE CERTIFIED TO COMPLY WITH SECTION 110.9 AND ALLOW BALLAST MAINTENANCE AND REPLACEMENT TO BE READILY ACCESSIBLE TO BUILDING OCCUPANTS FROM BELOW, BE RATED FOR ELEVATED TEMPERATURE, MUST BE INSTALLED BY FINAL INSPECTION.
  - AT LEAST ONE LIGHT IN BATHROOMS, GARAGES, LAUNDRY AND UTILITY ROOMS SHALL BE CONTROLLED BY A VACANCY SENSOR CERTIFIED TO COMPLY WITH SECTION 119(D) THAT DOES NOT TURN ON AUTOMATICALLY OR HAVE AN ALWAYS ON OPTION. (150.0(K)3)
  - DIMMERS OR VACANCY SENSORS SHALL CONTROL ALL LUMINAIRES REQUIRED TO HAVE LIGHT SOURCES COMPLIANT WITH REFERENCE JOINT APPENDIX J48 (INCLUDING CEILING RECESSED DOWNLIGHT LUMINAIRES AND GU-24 SOCKETS CONTAINING LED LIGHT SOURCES) AND THEY SHALL COMPLY WITH SECTION 119(D) AND NOT TURN ON AUTOMATICALLY OR HAVE AN ALWAYS ON OPTION. EXCEPTIONS: LUMINAIRES IN CLOSETS LESS THAN 70 SQUARE FEET; LUMINAIRES IN HALLWAYS.
  - RECESSED LIGHT FIXTURES SHOULD BE BOXED IN.
  - DOOR BELL AND CHIME SHALL BE PROVIDED AS A STANDARD ITEM. PROVIDE ALL ELECTRICAL FIXTURES AND APPLIANCES AS SELECTED BY OWNERS - GC TO VERIFY ALL FIXTURE MEET CODE.
  - FOR REMODELED AREAS, SPECIFY RECEPTACLE OUTLETS IN THE FOLLOWING LOCATIONS, AS SHOWN ON PLANS, 12" O.C. MAX. AND WITHIN 6" FROM THE ENDS OF WALLS, ANY WALL SPACE 2 OR MORE FEET WIDE.
  - AT LEAST ONE WALL SWITCH-CONTROLLED LIGHTING OUTLET SHALL BE INSTALLED AT OUTDOOR ENTRANCES.
- MANUAL ON AND OFF SWITCHES MUST NOT OVERRIDE THE AUTOMATIC CONTROL FUNCTIONS LISTED ABOVE AND ANY CONTROL THAT OVERRIDES THE AUTOMATIC CONTROLS TO ON MUST AUTOMATICALLY REACTIVATE THOSE CONTROLS WITHIN SIX HOURS.
- ALL LIGHTING SHALL BE HIGH EFFICACY AND MEET THE REQUIREMENTS OF SECTION 150.0 (K) AND JOINT APPENDIX J48. MANUFACTURERS MUST TEST THEIR PRODUCTS AT AN ACCREDITED TEST LABORATORY AND SUBMIT TEST RESULTS TO THE CALIFORNIA ENERGY COMMISSION TO GAIN J48 CERTIFICATION. A LIST OF COMPLIANT PRODUCTS CAN BE FOUND AT [HTTPS://CAENERGY.COM/ENERGY-CERTIFICATION](https://caenergy.com/energy-certification).
- ALL ELECTRICAL INSTALLATION SHALL MEET THE MINIMUM OR MAXIMUM ALLOWED IN THE 2022 MANDATORY MEASURES - NO EXCEPTION.
- GAS LINE SIZING CALCULATIONS TO BE A DEFERRED SUBMITTAL ITEM AND PROVIDED BY GC.
- DUCT SIZING AND DUCT LAYOUT TO BE A DEFERRED SUBMITTAL ITEM AND PROVIDED BY GC.
- IC RATED, ELECTRONIC BALLAST AND AIR-TIGHT (AT) FIXTURES FOR RECESSED LUMINAIRES
- ALL ADDED/REPLACED BRANCH CIRCUITS THAT SUPPLY 120 VOLT SINGLE PHASE, 15 AND 20 AMPERE OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAY, OR SIMILAR ROOMS OR AREA SHALL BE ARC-FAULT CIRCUIT INTERRUPTER (AFCI) PROTECTED.
- ALL ADDED/REPLACED 125-VOLT, 15- AND 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES.

**ELECTRICAL SYMBOLS:**

- SWITCH
- DIMMER SWITCH
- RECEPTACLE
- 220 RECEPTACLE
- GROUND FAULT INTERRUPTER
- RECESSED LIGHTING
- CHANDELIER
- CLG MOUNT
- WALL MOUNT
- HANGING LIGHT
- FLOUORESCENT LIGHT
- VANITY LIGHTING
- CEILING FAN
- CEILING FAN W/LIGHT
- TRACK LIGHTING
- SMOKE ALARM
- CARBON MONOXIDE ALARM
- FAN
- WATER PROOF EXT. LIGHT
- EV CHARGING STATION
- GARAGE MOTOR
- ELECTRICAL PANEL
- WIRING

REVISIONS

- 1 TBD
- 2
- 3
- 4
- 5



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ADDITION / REMODEL  
852 MARILYN DR,  
CAMPBELL, CA 95008

PROPOSED  
ELEVATIONS

DRAWN BY

CA008

CHECKED BY

CA007

ISSUE DATE

06/16/2024

SCALE

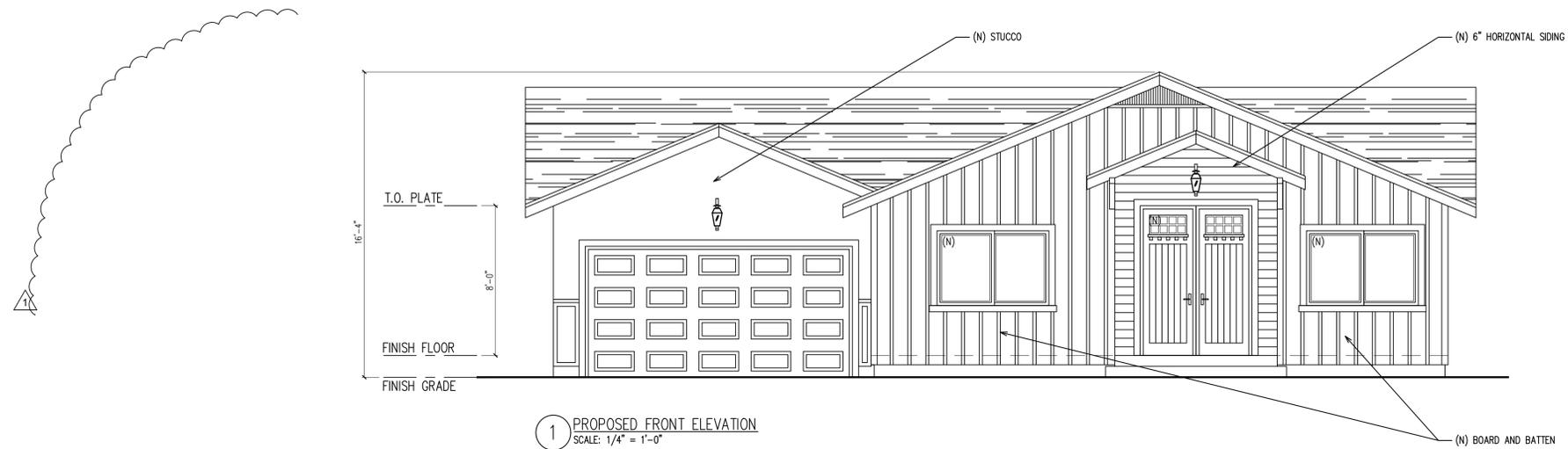
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ANURA JOB NO

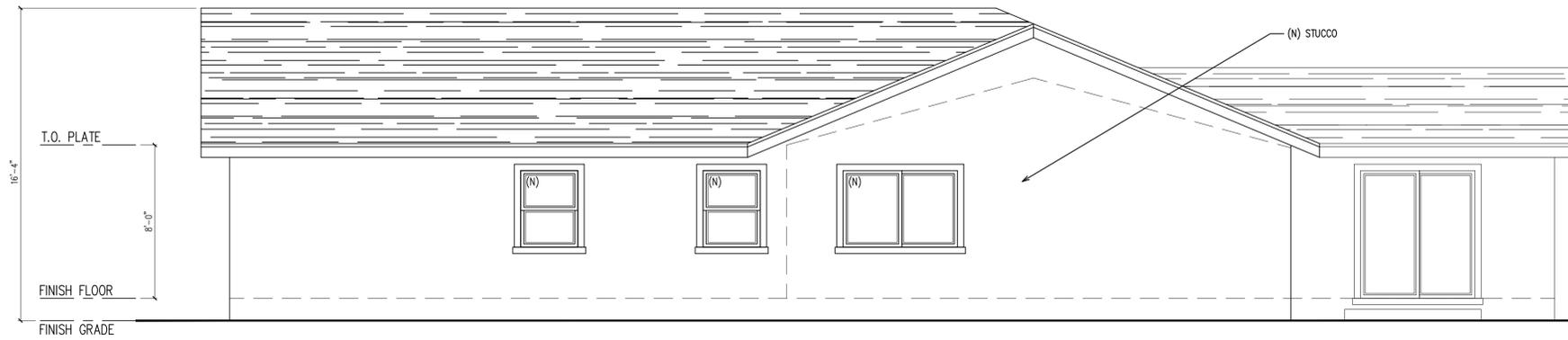
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SHEET

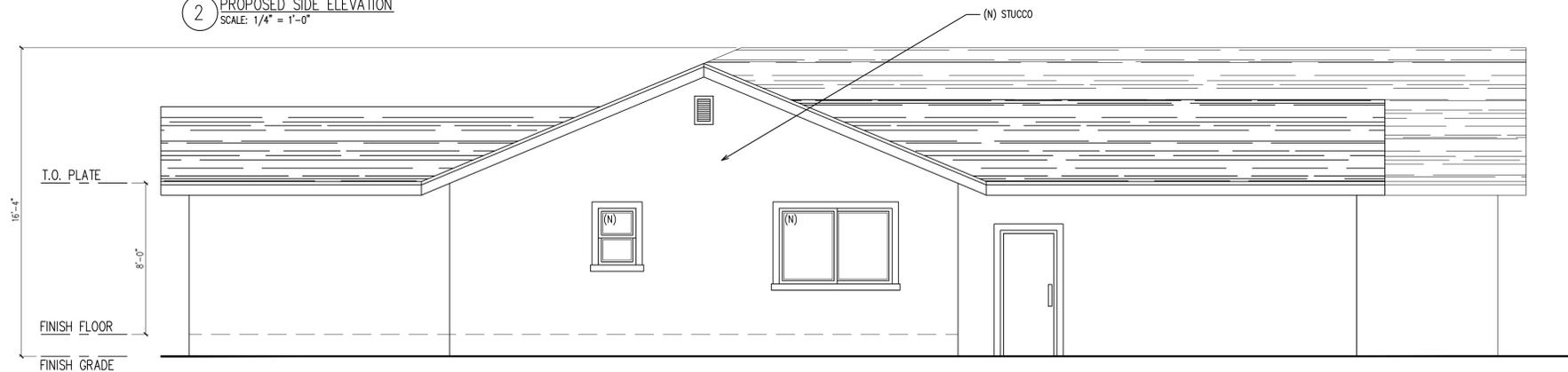
A-5



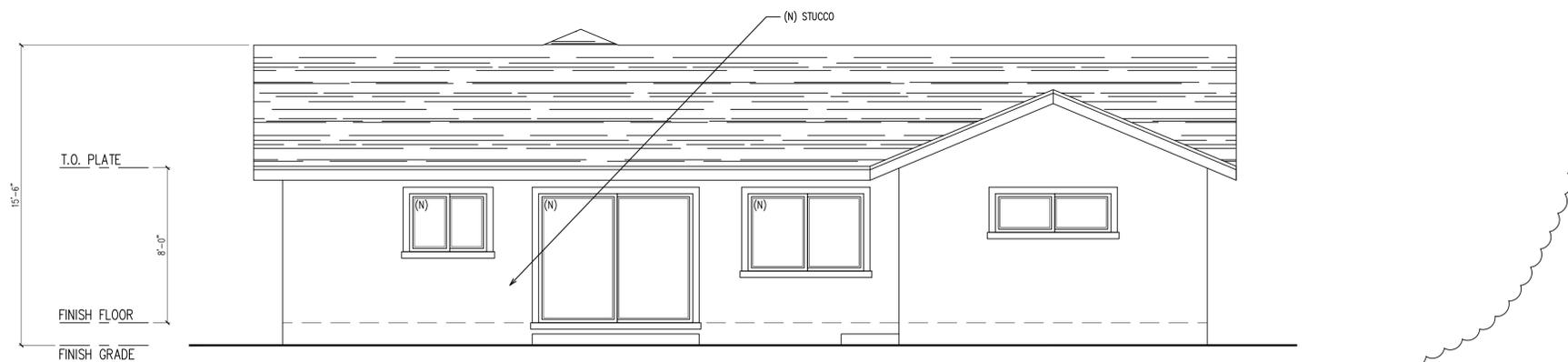
1 PROPOSED FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



2 PROPOSED SIDE ELEVATION  
SCALE: 1/4" = 1'-0"



3 PROPOSED SIDE ELEVATION  
SCALE: 1/4" = 1'-0"



4 PROPOSED REAR ELEVATION  
SCALE: 1/4" = 1'-0"

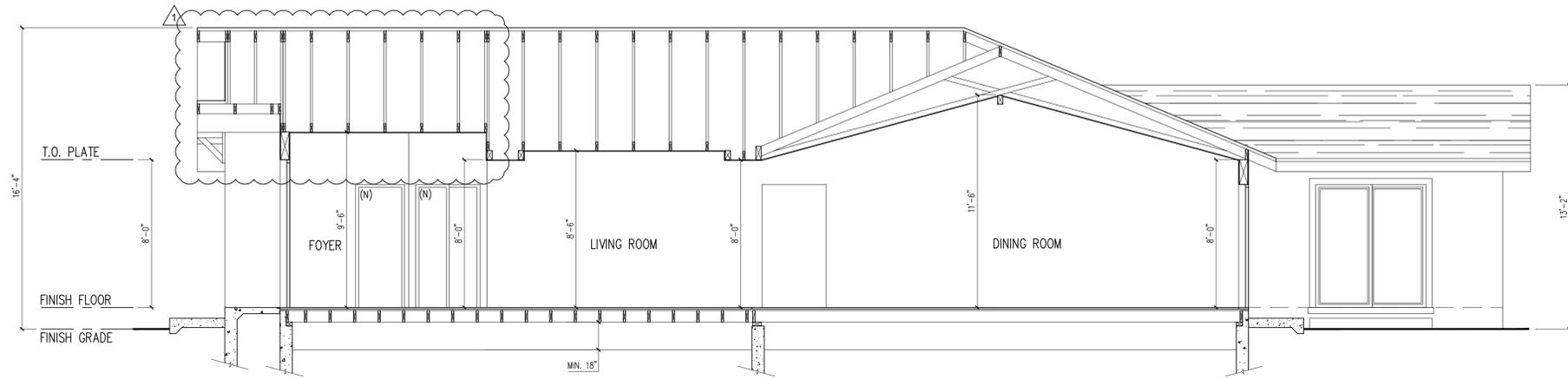
0' 5' 10' 15' 20' 25'

REVISIONS

- 1 TBD
- 2
- 3
- 4
- 5



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1 PROPOSED SECTION A  
SCALE: 1/4" = 1'-0"

SUB FLOOR VENT CALCULATION:  
SUB FLOOR AREA = 872 SF  
872 / 150 = 5.81 SF OF VENT NEEDED  
VENTS W/ GALVANIZED BIRD SCREENS  
14" X 8" = .77 SF  
PROVIDED (8) VENT MINIMUM THROUGHOUT THE SUB FLOOR.  
VENTS TO BE EVENLY SPACED.

ROOF VENT CALCULATION 872 SF ATTIC:  
872 / 150 = 5.81 SF OF VENT NEEDED EAVES VENTS  
1 EAVE VENT 4" X 20"=0.5 SF EACH  
(10) EAVE VENTS = 5 SF  
PROVIDE (10) EAVE VENTS EVENLY SPACED (5 SF)  
EYEBROW VENT NEAR RIDGE  
1 EYEBROW VENT (16" X 10") - 1 SF EACH  
1 VENTS = 2 SF  
TOTAL VENT PROVIDED = 7 SF

ADDITION / REMODEL  
852 MARILYN DR,  
CAMPBELL, CA 95008

PROPOSED  
SECTIONS

DRAWN BY  
CA008  
CHECKED BY  
CA007  
ISSUE DATE  
06/16/2024  
SCALE  
1/4"=1'-0"  
ANURA JOB NO  
CA2404-0009  
SHEET

A-6



**REQUIREMENTS**

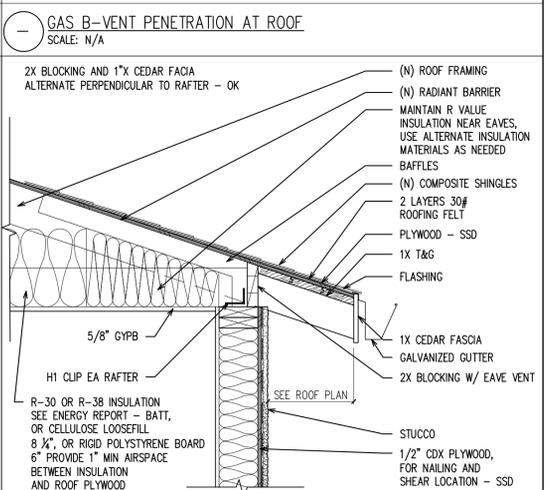
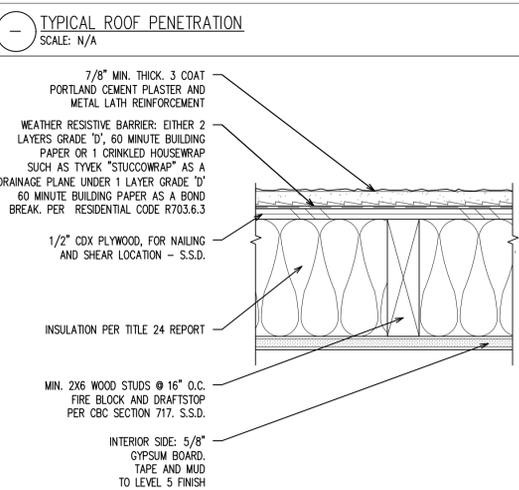
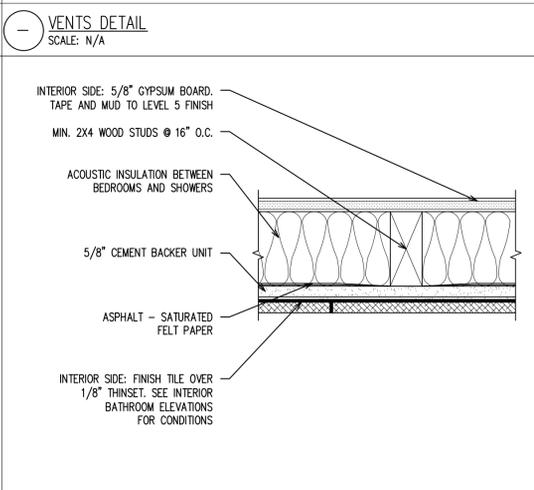
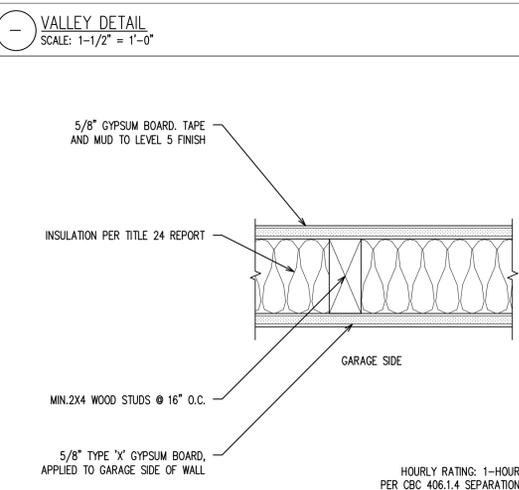
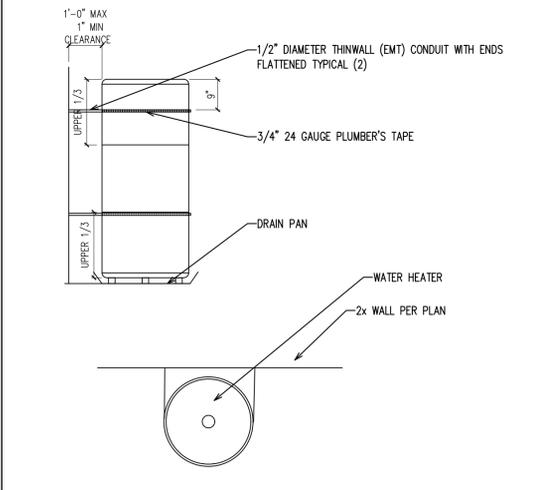
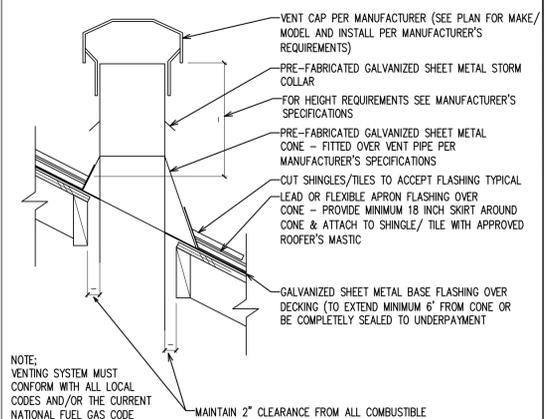
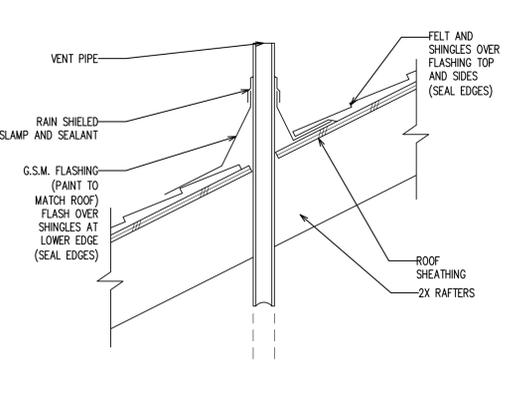
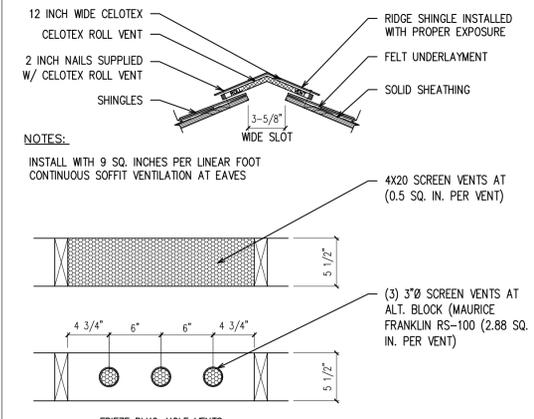
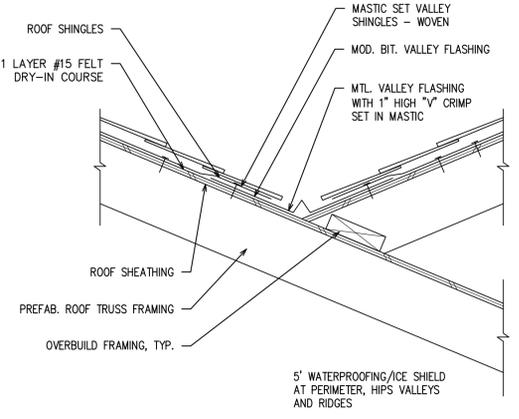
PROTECTION OF WATER HEATER FROM DAMAGE SHALL BE AS FOLLOWS:

-A. WATER HEATERS LOCATED IN THE GARAGE SHALL BE INSTALLED TOP OF A RAISED PLATFORM. SOURCES OF IGNITION SHALL BE A MIN. OF 18" OFF THE FLOOR. THE PLATFORM SHALL BE SECURELY ANCHORED TO WALL FRAMING OR ADJACENT FLOOR FRAMING AS SHOWN PER CPC

-B. WATER HEATERS INSTALLED IN AREAS WHERE THEY MAY BE SUBJECT TO MECHANICAL DAMAGE SHALL BE INSTALLED BEHIND AN ADEQUATE BARRIER PER CPC

-C. WATER HEATER SHALL BE STRAPPED TO RESIST HORIZONTAL DISPLACEMENT PER CPC. THE METHOD FOR STRAPPING SHALL COMPLY WITH THE STATE ARCHITECT GUIDELINES AS FOLLOWS:

1. WATER HEADER MIN. NUMBER OF STRAPS AS FOLLOWS:  
UP TO 52 GALLONS - 2 STRAPS. 52 TO 75 GALLON - 3 STRAPS AND 16 GALLON & UP - 4 STRAPS.
2. ONE STRAP SHALL BE LOCATED AT A POINT WITHIN THE UPPER 1/2 OF APPLIANCE AND ONE STRAP SHALL BE LOCATED AT A POINT WITHIN THE LOWER 1/2 OF ITS VERTICAL HEIGHT PER CPC. THE LOWEST STRAP SHALL BE A MIN. OF 4" ABOVE THE CONTROLS AND GAS INLET VALVE. THE HIGHEST STRAP SHALL BE LOCATED 9" BELOW THE TOP OF THE TANK.
3. EACH STRAP SHALL CONSIST OF (2) 3/4" x 24 GAUGE PLUMBERS TAPE SECURED TOGETHER AT ONE END AND WITH (1) 1/2" DIAMETER x 1" MACHINE SCREW, (1) FLAT WASHER AND (1) NUT. EACH REMAINING OPEN END TO BE ATTACHED TO 1/2" DIAMETER THINWALL CONDUIT WITH FLATTENED ENDS. SECURED THROUGH PRE-DRILLED HOLES WITH 1/2" DIAMETER x 1" MACHINE SCREWS. FLAT WASHERS AND NUTS.



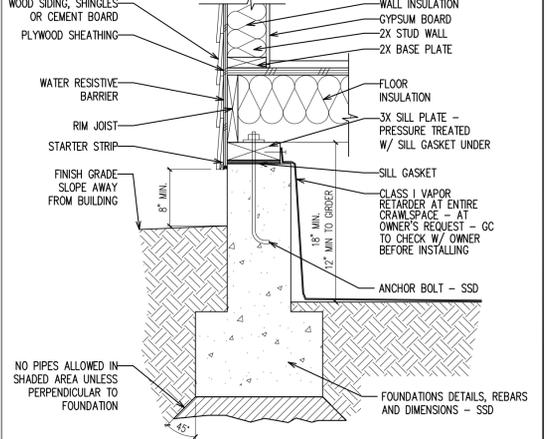
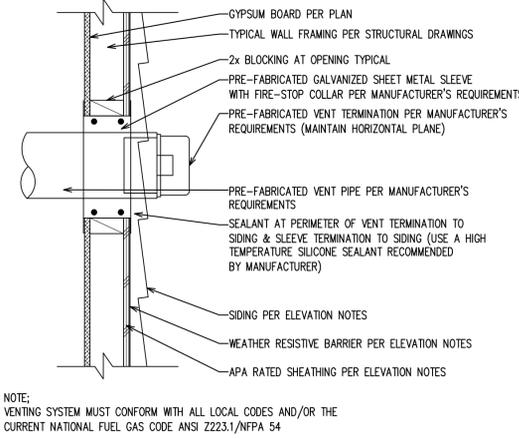
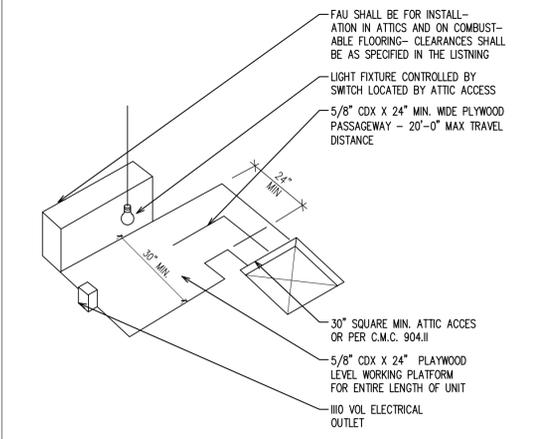
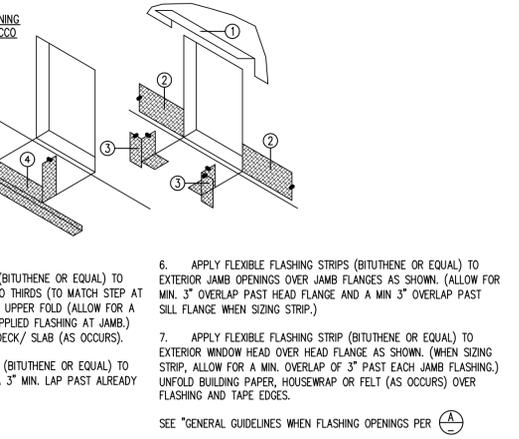
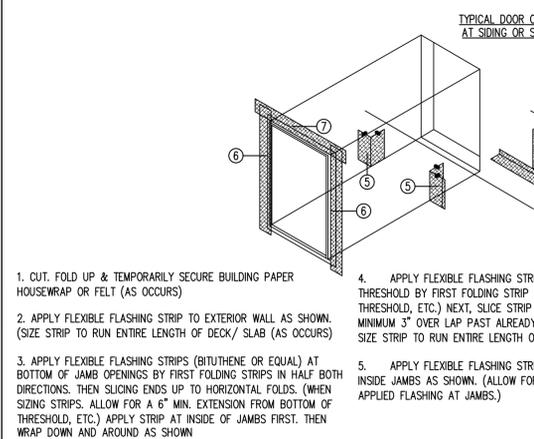
**WATER HEATER PROTECTION**  
SCALE: N/A

**1 HR RATED INTERIOR SEPARATION WALL - AT GARAGE**  
SCALE: 3" = 1'

**INTERIOR TILED SHOWER - INTERIOR GYPSUM BOARD**  
SCALE: 3" = 1'

**EXTERIOR CEMENT PLASTER WALL - GYPSUM BOARD INTERIOR**  
SCALE: 3" = 1'

**ROOF EAVE DETAIL**  
SCALE: 1" = 1'-0"



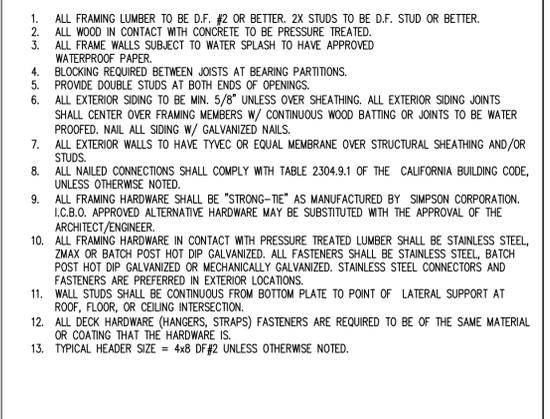
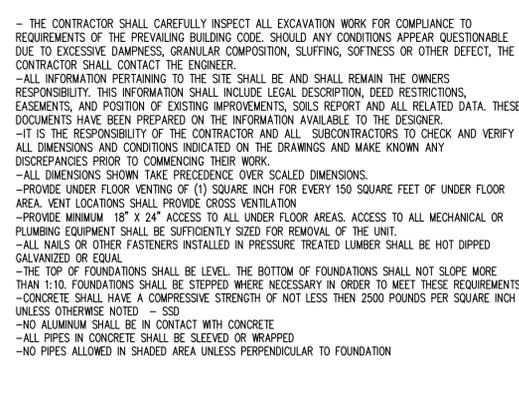
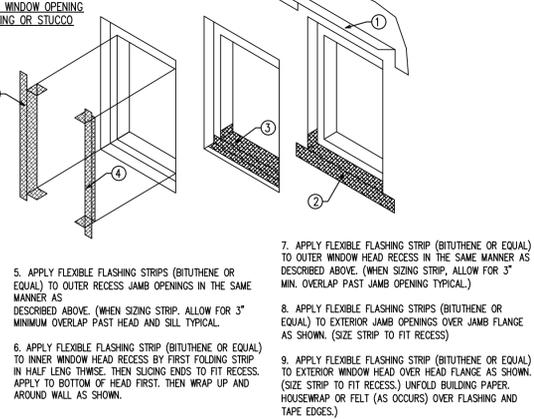
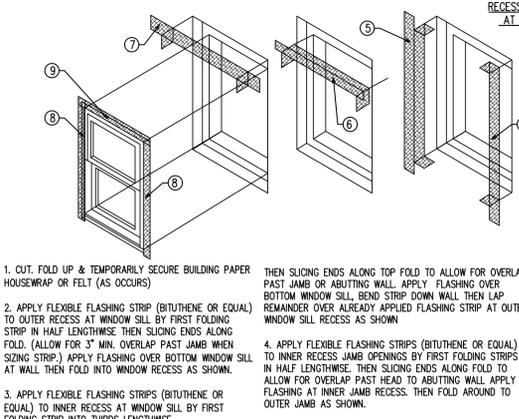
**FLASHING AT DOOR OPENINGS**  
SCALE: N/A

**HORIZONTAL FAU ATTIC INSTALLATION**  
SCALE: N/A

**GAS B-VENT PENETRATION AT WALL**  
SCALE: N/A

**TYP. SPREAD FOOTING**  
SCALE: 1" = 1'-0"

-FASTEN WINDOW TO WALL PER MANUFACTURER  
-ADHESION TO OSB CAN BE A PROBLEM IF IT IS EVEN SLIGHTLY DAMP OR DUSTY. - PRIME OSB OR PLYWOOD SHEATHING PRIOR TO SASM INSTALLATION WITH #100 VOC PRIMER BY PROTECTO-WRAP. SEE SHEET A6.5b FOR SPECIFICATIONS.  
-SASM (SELF-ADHERING FLASHING STRIP) - PW 100/40 AIR/ VAPOR BARRIER BY PROTECTO- WRAP. SEE SHEET A6.5b FOR SPECIFICATIONS. USE ROLLER AT ALL TIMES TO INSTALL SASM.  
-SILL PAN SHALL BE COPPER OR STAINLESS STEEL AND PROVIDE SLOPE TO DRAIN TO EXTERIOR OF STRUCTURE.  
-SEALANTS, PERMATHANE SM 71108 BY SCHNEE- MOREHARD. CLEAN ALL METAL FLASHING OF OIL, DIRT PRIOR TO INSTALLATION OF SEALANTS. -SHIMS SHALL BE MADE OF HIGH COMPRESSION PLASTIC OR HARDWOOD.  
-ALL MATERIALS SUCH AS, BUT NOT LIMITED TO, COATINGS, FLASHING AND SEALANTS THAT COME INTO CONTACT WITH EACH OTHER SHALL EXHIBIT CHEMICAL COMPATIBILITY AND ADHESION FOR THE INTENDED PURPOSE.  
-ON THE INTERIOR SIDE, APPLY BACKER ROD AND A CONTINUOUS INTERIOR PERIMETER BEAD OF SEALANT, OR AEROSOL FOAM SEALANT WITHOUT BACKER ROD. THIS EFFECTIVELY FORMS A BACK DAM TO PREVENT WATER INTRUSION INTO THE INTERIOR.  
-AFTER INSTALLATION, RECHECK THE SEAL BETWEEN THE SILL OF THE WINDOW AND THE UPTURNED LEG OF THE SILL PAN AND RESEAL AS NEEDED.  
-NAIL THE WINDOW SIDE AND TOP PINS FROM THE CENTER TO EDGE EVERY OTHER HOLE ON LARGER WINDOWS, ADD A SINGLE NAIL AT THE CENTER OF THE BOTTOM FIN WITH A SEALANT RING AT THE BACK OF THE FIN AT THE NAIL.  
-C.B.C. 1405.3 CALLS FOR FLASHING OF ALL EXTERIOR OPENINGS EXPOSED TO WEATHER TO MAKE THEM WEATHER PROOF. SINCE C.B.C. DOES NOT OUTLINE PROCEDURES FOR WINDOW FLASHING, TECHNIQUES SHOWN HERE ARE RECOMMENDED. USE "MOSTOP" FLASHING BY FORTIFIBER CORP., OR EQUAL, WHENEVER POSSIBLE FOR FLASHING MATERIAL. CAULK BACK OF THE WINDOW FRAMES BEFORE SETTING. USE WINDOWS THAT ARE WATER TIGHT.  
-26.G.A. G.I. FLASHING REQUIRED AS SHOWN IN OTHER WINDOW DETAILS TO BE INSTALLED BY SHEET METAL CONTRACTOR.  
-LINE WIRE, WHEN USED AS BACKING TO SUPPORT WATER- RESISTANT BUILDING PAPER OR FELT  
-BENEATH LATH FOR STUCCO SHOULD BE INSTALLED ACCORDING TO INDUSTRY STANDARDS PRACTICE.  
-NO ATTACHMENT DEVICE NOR THE WIRE BACKING SHOULD COVER OR PENETRATE FLASHING MATERIAL.  
-PERIPHERAL FLASHING AT ALL EDGES OF WALL OPENING MUST COVER WIRE BACKING.



**WINDOWS AND DOORS FLASHING NOTES:**  
N/A

**FLASHING AT WINDOW OPENINGS**  
SCALE: N/A

**NOTES:**  
N/A

**NOTES:**  
N/A

**NOTES:**  
N/A

**REVISIONS**

1	TBD
2	
3	
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**ADDITION / REMODEL**  
**852 MARILYN DR,**  
**CAMPBELL, CA 95008**

**DETAILS**

DRAWN BY  
**CA008**  
CHECKED BY  
**CA007**  
ISSUE DATE  
**06/16/2024**  
SCALE  
**1/4"=1'-0"**  
ANURA JOB NO  
**CA2404-0009**  
SHEET



EXISTING FRONT FENCE



EXISTING FRONT DRIVEWAY



EXISTING FRONT DRIVEWAY



EXISTING SIDE



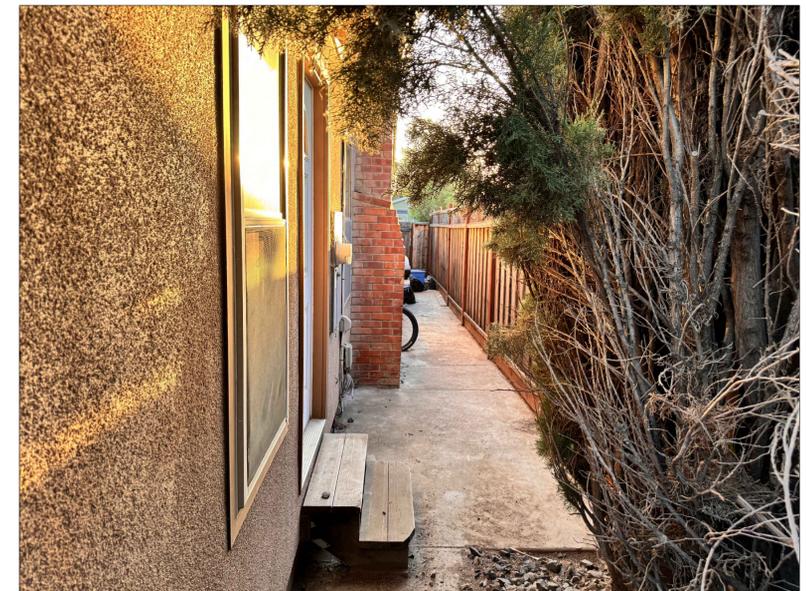
EXISTING SIDE



EXISTING REAR PATIO



EXISTING REAR PATIO



EXISTING SIDE

REVISIONS

- 1 TBD
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- 3
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852 MARILYN DR,  
CAMPBELL, CA 95008

EXISTING PICTURES  
OF THE HOUSE

DRAWN BY  
CA008  
CHECKED BY  
CA007  
ISSUE DATE  
06/16/2024  
SCALE  
1/4"=1'-0"  
ANURA JOB NO  
CA2404-0009  
SHEET

# 1. NOTES AND SPECIFICATIONS

## 2. Light, Ventilation, Room Dimensions

2.1 Required window area for light shall be not less than 8 percent of the floor area of the room served; the minimum openable area to the outdoors shall be 4 percent of the floor area being ventilated. The glazed area need not be operable for ventilation when a whole-house ventilation system is installed. (R303.1)

2.2 Every sleeping room and any basement must have at least one openable window or door approved for shall have a minimum net area of 5.0 square feet. The minimum net vertical opening dimension shall be 24". The emergency rescue with a minimum net clear opening of 5.7 square feet, except the windows at the grade floor minimum net clear opening width dimension shall be 20". The bottom of the clear opening shall be no more than 44" from the floor. (R 310.1)

2.3 Bathrooms, water closet compartments and similar rooms shall have window at least 3 sq. feet in area, half of which must be openable, or mechanical ventilation must be provided. (R303.3)

2.4 Each bathroom containing a bathing facility shall be mechanically ventilated for the purposes of humidity control. (R303.3.1)

2.5 Provide ventilation for products of combustion to outside air. (CMC 802.0)

2.6 Attic ventilation: 1/150 of attic area. If 40% – 50% of the vents are no more than 3 feet below the ridge or highest point of the roof area; then the ratio may be reduced to 1/300. (R806.2) Unvented attics may be allowed if meeting the requirements of R806.5.

2.7 Enclosed rafter spaces shall have a minimum 1" space between the insulation and roof sheathing and at the location of all eave and cornice vents. (R806.3)

2.8 Underfloor space shall have a ventilation opening area of 1/150 square feet of underfloor area. If a Class I vapor retarder is used the ratio may be reduced to 1/1500. One opening shall be placed within 3 feet of each building corner. Openings shall be covered with a covering having openings no greater than 1/4". (R408.2)

2.9 Heating system is required to maintain 68 degrees at 3 feet above floor level and 2 feet from exterior walls in all habitable room. (R303.9)

2.10 Air infiltration, insulation, space heating, space cooling, water heating, etc shall meet CA Energy Commission Standards.

2.11 All habitable rooms except kitchens shall be at least 70 square feet in area and shall have a width of at least 7 feet. In addition there shall be at least one room with a minimum of 120 square feet in each dwelling. Minimum ceiling height shall be 7 feet. See CRC for exceptions. (R304/R305)

## 3. DOORS, STAIRWAYS AND LANDINGS (INCLUDING DECKS)

3.1. Required egress door shall be side hinged and have a minimum net clear width of 32" and a minimum height of 78". (R311.2)

3.2 There shall be a landing at each side of all doors not more than 1 1/2" lower than the threshold at the required egress door, and not more than 7 3/4" for other exterior doors. The landing shall be at least as wide as the door served and 36" minimum length measured in the direction of travel. A landing is not required at doors other than the required egress door where a stairway of two or fewer risers is located on the exterior of the door, and the door does not swing over the stairway. (R311.3)

3.3 Stairway rise shall be 4" min and 7.75" max. Run shall be 10" min. Headroom shall be 80" minimum. Width shall be 36" minimum. Handrails shall provide graspability and be 34"-38" above tread nosing with openings less than 4 3/8" clear, except openings formed by the riser, tread, and bottom rail of the guard may be 6" maximum diameter. (R 311.7 & R312.1.3 ex. 1 & 2)

3.4 Enclosed useable space under interior stairs shall be finished with 1/2" min. type X gypsum board (R302.7)

3.5 Fireblocking is required in concealed spaces between stair stringers at the top and bottom of the run. (R302.11)

3.6 There shall be a floor or landing at the top and bottom of each stairway. Width and length of landings shall be not less than the width of the stairway served. A floor or landing is not required at the top of an interior flight of stairs, including stairs in an enclosed garage, provided a door does not swing over the stairs. (R311.7.6)

3.7 Guards shall be located along open sided walking surfaces, including stairs, ramps, landings, and decks, that are more than 30" above the floor or grade, measured at any point within 36" horizontally. Required guards shall be not less than 42" above the adjacent walking surface. Except that handrails may be considered as guards at stairways. Openings in guards shall not exceed 4". (R312)

3.8 Exterior deck support posts shall be cross braced in two directions for lateral stability.

3.9 For posts over 30" in height provide mechanical connection at post base.

3.10 Provide detail at junction of exterior decking, wall and interior floor framing. Show elevations, flashing, and anchorage. Deck framing shall be positively attached to building framing at a minimum of 2 locations within 24" of each end of the deck with hold-down tension devices having an allowable design capacity of not less than 1500 pounds each, or at a minimum of 4 locations with hold-down tension devices of not less than 750 pounds allowable design capacity. (R507.2.4)

3.11. Deck framing and support posts to be of preservative treated or naturally durable lumber. (R317.1) Hardware and fasteners shall be hot-dipped galvanized, stainless steel, silicon bronze, or copper. (R317.3.1)

## 4. WEATHER AND CORROSION DAMAGE PREVENTION MEASURES

4.1. Naturally durable wood or preservative treated wood, per AWPA U1, shall be required in the following locations (R317.1):

- Wood joists and girders closer than 18" or 12", respectively, to the exposed ground.
- Wood framing members that rest on concrete or masonry and are less than 8" from the exposed ground.
- Sills and sleepers on a concrete or masonry slab that is in direct contact with the ground unless separated by an impervious moisture barrier.
- Wood siding, sheathing and wall framing on the exterior of the building having a clearance of less than 6" from the ground or less than 2" from a horizontal concrete surface.
- All wood in contact with the ground.
- All wood embedded in concrete that is in direct contact with the ground or exposed to weather and that supports structures intended for human occupancy.

4.2. Exposed glu-lams shall be preservative treated, applied by the manufacturer, or made from naturally durable wood.

4.3. Weatherproofing of exterior surfaces above and below grade is required. (R406 & R703)

4.4. Concrete slabs shall be separated from earth by a minimum 6-mil vapor retarder, with edges lapped a minimum of 6". This may be omitted if the space above is not heated and is not likely to become heated in the future. (R506.2.3)

4.5. A capillary break shall be installed when concrete slab-on-ground floors are required to have a vapor retarder. This capillary break shall be a 4" thick base of 1/2" or larger clean aggregate with a vapor retarder in direct contact with concrete. The concrete mix design shall address bleeding, shrinkage, and curling, in accordance with ACI 302.2R-06. As an alternative the slab design may be prepared by a licensed design professional. (CalGreen 4.505.2.1)

4.6. The ground adjacent to the foundation shall be sloped so that the grade shall fall a minimum of 6" within the first 10'. Impervious surfaces may be sloped at 2% minimum. (R401.3)

4.7. All fasteners used for attachment of siding shall be corrosion-resistant. (R703.3.2)

4.8. Corrosion resistant flashings shall be provided at openings and intersections/attachments. (R703.4)

4.9. All roof areas of buildings shall be provided with gutters or roof drains. Provide adequate roof slope for drainage (1/4" per foot, min.) or submit deflection and ponding calculations. Primary roof drains shall be designed based on a 60 minute storm with a 100 year return period, per Table D of the CPC. Secondary roof drains shall be provided not less than 2" above the roof surface. (CPC 1101.12)

## 5. GARAGE & CARPORT

5.1. Common wall between garage and dwelling shall have 1/2" gypsum board applied on the garage side. Garage ceiling with habitable space above shall have 5/8" type X gyp board applied to the ceiling. Carports with no enclosed uses above do not need protection. (R302.6)

5.2. No openings may be provided between a garage and a sleeping room. Other openings shall be equipped with solid wood or steel doors 1 3/8" in thickness and shall be self-closing and self-latching. (R302.5.1)

5.3. Garage and carport floor surfaces shall be of approved noncombustible material. Asphaltic surfaces shall be permitted at ground level in carport. (R309.1 & R309.2)

5.4. Appliances and receptacles installed in garages and carports generating a glow, spark, or flame shall be located 18" min. above the floor unless listed as flammable vapor ignition resistant. Provide protective bollard or other impact barrier or located out of the normal path for vehicles. (CMC 305.1)

## 6. ELECTRICAL

6.1. Do not install electrical panels larger than 16 square inches in rated fire walls. Garage to dwelling unit separation is not a rated fire wall. (R302.4.2) Never install electrical panels in closet. Maintain a clearance of 36" in front of the panels. (CEC 110.26)

6.2. Provide a minimum of one 20 Amp receptacle in areas designated for laundry equipment. (CEC 210.52F)

6.3. Kitchens and dining areas must have a minimum of two 20 Amp circuits. Kitchen counter outlets must be installed in every counter space 12" or wider, not greater than 4' o.c. and within 24" of the end of any counter space. (CEC 210.52)

6.4. GFCI outlets are required for all kitchen receptacles that are designed to serve countertop surfaces, in bathrooms, in underfloor spaces at or below grade level, in exterior outlets, in laundry areas, and in all garage outlets not dedicated to a single device or appliance. (CEC 210.8) All dwellings must have at least one exterior outlet at the front and the back of the dwelling. (CEC 210.52E)

6.5. Receptacles must be installed at 12' o.c. maximum in walls. Walls longer than 2 feet and halls longer than 10' must have a receptacle. A receptacle must be provided within 3' of bathroom sinks. (CEC 210.52)

6.6. Bond all metal gas and water pipes to ground. All ground clamps must be accessible and of an approved type. (CEC 250.104)

6.7. Furnaces installed in attics and crawl spaces must have an access platform (catwalk in attics), light, light switch, and receptacle in the space. (CMC 904.10)

6.8. New dwellings must have a 120V powered smoke alarm in every sleeping room, outside each sleeping room, on every story of the dwelling, including basements and habitable attics, but not including crawl spaces or uninhabitable attics. (R314.3)

6.9. When more than one smoke alarm or carbon monoxide alarm is required the alarm devices shall be interconnected. If the proposed scope of work does not result in the removal of wall and ceiling finishes exposing areas requiring installation, in buildings built prior to January 1, 2011, devices may be battery operated. (R314.4 & R315.7)

6.10. When alterations, repairs, or additions require a permit or sleeping rooms are added or created, smoke alarms shall be installed where required in new dwellings. (R314.2.2)

6.11. For new construction and work in an existing dwelling, where an addition is made to an existing dwelling or a fuel-burning appliance is added, carbon monoxide alarms shall be installed in sleeping rooms within which fuel-burning appliances are installed, outside of each sleeping area, and on each occupiable level. Carbon monoxide alarms are not required in dwellings where there is no fuel-fired appliance or attached garage. (R315.1 & R315.2)

6.12. All 120-volt 15 and 20 amp branch circuits in dwelling units except those in bathrooms, unfinished basements, garages and outdoors shall have AFCI protection. (CEC 210.12)

6.13. Receptacles on 120-volt 15 and 20 amp circuits shall be tamper resistant. Except when located more than 5' above the floor or when part of a luminaire or appliance, (CEC 406.12)

## 7. MISCELLANEOUS LIFE-SAFETY

7.1. Provide pressure relief valve with drain to outside for water heater. (CPC 608.3) Provide seismic strapping or anchor resisting overturning of water heater. (CPC 507.2, CRC R301.2.2.3.7)

7.2. Liquefied petroleum gas (LPG) appliances shall not be installed in a pit, basement or similar location, LPG appliances shall not be installed in an above grade underfloor space or basement unless such location is provide with an approved means for removal of unburned gas (CMC 303.7.1)

7.3. Provide combustion air for all gas fired appliances. (CMC Chapter 7)

7.4. Fuel burning water heater is not allowed in bedroom or bathroom unless direct vent type or complying with CPC 504.1.

7.5. Vent clothes dryer to outside of building (not to underfloor area). Vent length shall be 14' maximum and the vent diameter shall not be less than 4". (CMC 504.4.2)

7.6. Water closet shall be located in a space not less than 30" in width with 24" minimum clearance in front. (CPC 402.5)

7.7. Showers and tubs with showers require a non-absorbent surface up to 72" above the floor. (R307.2). Provide curtain rod or approved enclosure material.

7.8. Provide backflow preventers on all hose bibs. (CPC 603.5.7)

7.9. Safety glazing shall be required within 24" of a door edge or within 36" of a stairway, landing or ramp when the bottom edge of the glazing is less than 60" from the floor or walking surface. (R308.4.2 & R308.4.3)

7.10. Safety glazing is required in all fixed and operable panels of swinging, sliding and bi-fold doors. (R308.4.1)

7.11. Safety glazing is required in enclosures and walls facing hot tubs, saunas, steam rooms, showers and tubs where the bottom edge of the glazing is less than 60" from any standing or walking surface. (R308.4.5)

7.12. Wood burning appliances shall be EPA phase II certified in the Northern Sonoma County Air Pollution Control District. In the Bay Area Air Quality Management District wood burning appliances are not allowed. (Sonoma County Ordinance)

7.13. Provide 18" x 24" foundation access within 5' of all plumbing cleanouts. (R408.4; CPC 707.9)

7.14. Fireblocking shall be provided in concealed spaces of stud walls and partitions, including furred spaces, and parallel rows of studs or staggered studs; vertically at floor and ceiling levels, horizontally at intervals not to exceed 10'. (R302.11)

7.15. Show minimum 22" x 30" passageway to attic. (CMC 304.4; R807.1) In attics in which an appliance is installed, an opening and passageway at least as large as the largest component of the appliance shall be required. (CMC 903.2.3)

7.16. Roof construction and covering shall comply with R905 and local ordinance. All roofing shall be of Class A fire resistive material, supported by solid sheathing (Chapter 7 Sonoma County Code).

7.17. Storage use or placement of a fuel burning appliance in an underfloor area may trigger the requirement for a 1/2 inch gypsum wallboard or 5/8 inch wood panel membrane on the underside of the floor framing member. See Section R302.13 of the CRC for exceptions.

## 8. FOUNDATIONS AND CONCRETE

8.1. Concrete shall be 2500 psi minimum for foundation and retaining walls (including stem walls), garage floor slabs, and porches or steps exposed to weather and 2500 psi minimum for all other concrete. (R402.2; Table R402.2; R608.5.1.5) unless otherwise note on structural drawings and calculations.

8.2. Conventional Residential Foundation Requirements (R404.1.4.2; Table R403.1(1))

No. of stories	Thickness of stem wall concrete *	Width of footing	Thickness of footing	Depth below undisturbed ground surface
1	6.0"	12"	6"	12"
2	6.0"	15"	6"	12"

\* Foundation walls exceeding 4'6" shall be minimum 7.5" thick.

8.3. Horizontal reinforcing at footing and stem wall: one number 4 rebar within top 12" of stem wall and one number 4 rebar 3-4 inches from bottom of footing (R403.1.3.1)

8.4. When the stem wall and footing are not poured monolithically a number 4 rebar shall be installed vertically at not more than 4' o.c. The vertical bar shall extend to 3' clear from the bottom of the footing, have a standard hook, and extend a minimum of 14 inches into the stem wall. (R403.1.3.1)

8.5. Stepped footings shall be used when slope of footing bottom is greater than 10:1 (H:V). Step footing detail shall be shown on building elevations and foundation plan. (R403.1.5)

8.6. Concrete slabs shall be 3.5" thick minimum. (R506.1)

8.7. Provide adequate setbacks from slopes greater than 33% gradient equal to half the height of the slope (need not exceed 15 feet) for an adjacent ascending slope surface, and one third the height of the slope (need not exceed 40 feet) for an adjacent descending slope surface. If these setbacks cannot be met a geotechnical report justifying soil characteristics and suitability of the proposed building site shall be provided. (R403.1.7)

8.8. Anchor bolts shall be minimum 1/2" x 10" placed at 6' o.c. maximum. Embed bolts 7" min. Locate end bolts neither less than 3.5" nor more than 12" from ends of sill members. (R403.1.6) Provide 3" x 3" x 0.229" plate washers on each bolt. (R602.11.1)

## 9. FLOORS

9.1. Floor joint size, spacing and grade shall conform to Table R502.3.1; or shall be designed by a licensed professional.

9.2. Joists under and parallel to bearing partitions shall be doubled. (R502.4)

9.3. Bearing partitions perpendicular to joists shall not be offset from supporting girders, walls or partitions more than the joist depth. (R502.4)

9.4. Girders for single-story construction or supporting one floor shall be 4" x 6" for spans 6' or less, with girders spaced at 8' o.c. For other sizes and spans see Table R602.7 (1, 2, & 3).

9.5. Nail spacing for floor plywood sheathing: 6" o.c. at edges, 12" o.c. in field (unless closer nailing is specified). Table R602.3(1)

9.6. Provide detail of connection of floor girder at foundation wall.

9.7. Solid block all joists at ends and intermediate supports with full-depth solid blocking not less than 2" nominal thickness. (R502.7)

9.8. At floor openings where header joist span exceeds 4' show double trimmer joists and headers. Approved hangers shall be used for the header joist to trimmer joist connections when the header joist span exceeds 6'. (R502.10)

## 10. Walls

10.1. Show stud size, height, grade and spacing. (Table R602.3(5)) Exterior and interior studs shall be continuous floor to roof unless braced at ceiling.

10.2. Balloon frame gable end walls or provide softwall bracing detail.

10.3. Minimum header sizes shall be according to Table R602.7(1,2,8,3).

10.4. Double top plates shall have a minimum lap of 24". Nail with eight 16d common nails on each side of the joint, unless additional nailing is specified. Plates at intersections with bearing walls and corners shall also be overlapped. (Table R602.3)

10.5. Sole plate to joist or blocking shall be 16d common nails at 16" o.c. and 2-16d common nails at 16" at braced wall panels. (Table R602.3 item 14)

10.6. Foundation cripple walls shall be framed of studs not less in size than the studs of the wall above. Cripple walls exceeding 4' in height shall be framed of studs as required for an additional story. Cripple walls shall be sheathed per R602.10.9 & R602.10.9.1. Cripple walls less than 14" in height shall be continuously sheathed or constructed of solid blocking. (R602.9)

10.7. Minimum wood structural panel sheathing nailing: 6" o.c. at edges and 12" o.c. in field. (Table R602.3) Nailing shall be inspected prior to covering.

10.8. Provide one layer of No. 15 asphalt felt or other approved material under exterior siding. Material shall have upper layer lapped 2" min over lower layer with 6" min laps at joints. (R703.2) Provide 2 layers of Grade D paper, or equivalent, between wood sheathing and stucco lath. (R703.7.3)

10.9. Braced wall lines shall be sized and configured in accordance with section R602.10 in its entirety. Provide and label a layout of all braced wall lines complete with required values for wind and seismic for the specified wall type.

10.10. Spacing of braced wall lines shall not exceed 25' (interior & exterior) unless length of required bracing, per Table R602.10.3(3) is adjusted in accordance with Table R602.10.3(4). (R602.10.1.3)

## 11. ROOF

11.1. Show roof rafters and ceiling joists. Spans shall be per Tables R802.4(1) & (2) for ceiling joists and Tables R802.5.1(1) & (2) for rafters. Include the size, spacing and grade of all members.

11.2. Nail rafters to adjacent parallel ceiling joists. Where not parallel, use rafter ties at 4' o.c. max. (R802.3.1) Connect ties per Table R802.5.1(9). Rafter ties shall use adjustment factor in footnote h, for the height above supporting wall and the location of the connection must be in lower third of attic space.

11.3. Where ceiling joists or rafter ties are not provided trusses shall be used or engineering shall be provided. (R802.3.1 & R802.10)

11.4. Solid block all rafters and trusses at exterior walls. (R802.8) Nail blocking to top plate with (3) 8d toe nails per block or provide clips.

11.5. For roofs shallower than 3:12 ridges, hips and valleys shall require engineering. (R802.2)

11.6. Wood structural panel sheathing when designed to be permanently exposed in outdoor applications, shall be of an exterior exposure durability. Wood structural panel roof sheathing exposed to the underside may be identified as Exposure 1. (R803.2) Minimum nailing per Table R602.3(1) is 6" at edges and 12" in the field, 8d common, box or casing. Nail panels to blocking between rafters.

## 12. GREEN BUILDING AND ENERGY

12.1. New construction and additions/alterations increasing a building's conditioned floor area shall comply with applicable provisions of CalGreen. (CalGreen 301.1) Mandatory provisions shall apply only to the specific area of the addition or alteration. (CalGreen 301.1.1)

12.2. The Residential California Green Building Checklist shall be filled out and all mandatory and elective features selected shall be identified with adequate notations and details on the proposed project plans. An approved 3rd party CALGreen special inspector shall review the proposed checklist and project plans and provide verification that all applicable mandatory and elective elements identified in the checklist have been adequately incorporated into the proposed project plans and details. The field verification of the required CALGreen elements shall also be achieved by the 3rd party CALGreen special inspector during the construction and inspection process.

12.3. Residential buildings undergoing permitted alterations, additions or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. (CalGreen 301.1.1)

12.4. Energy code documentation shall be provided for any additions and alterations to the conditioned envelope, space-conditioning systems, or lighting systems. Energy code documentation shall be registered with the California Energy Commission prior to permit issuance. (California Energy Code Section 100(b))

## 13. FIRE RESISTANT CONSTRUCTION

13.1. New structures and remodels and additions to existing structures shall meet the requirements of the PRMD Planning Division, based on parcel specific zoning, use, and setback requirements.

13.2. Exterior walls within 5' (or 3' when the structure is equipped with an automatic fire sprinkler system) of an adjacent property line (or an assumed property line between structures) shall be 1 hour rated.

13.3. The exposed underside of projections from exterior walls from 2' to less than 5' from an adjacent property line, or from 2' to less than 3' when the structure is equipped with an automatic fire sprinkler system, shall be 1 hour rated. Exterior wall projections less than 2' from an adjacent property line are not allowed.

13.4. When a parcel is located in a State Responsibility Area (SRA) all new construction shall comply with the applicable fire resistant construction requirements of CRC Section R337. Accessory Group U occupancy structures located at least 50' from an applicable building and additions and remodels to structures originally constructed prior to July 1, 2008 are exempt from these requirements.

13.5. Structures which are subject to Fire Safe Standards and located in the SRA on parcels 1 acre and larger shall have a minimum 1 hour rating at exterior walls and the underside of exterior projections within 10 feet from an adjacent property line.

13.6. Dwellings units in two-family dwellings shall be separated from each other by wall and floor assemblies having not less than a 1-hour fire-resistance rating. Fire-resistance rated floor/ceiling assemblies shall extend to the exterior walls, and the supporting construction shall have an equal or greater fire-resistance rating. Wall assemblies shall extend from the foundation to the underside of the roof sheathing, although wall assemblies need not extend through attic spaces where the ceiling is protected by not less than 5/8" Type X gypsum board, an attic draft stop is provided above and along the wall assembly separating the dwellings, and the structural framing supporting the ceiling is protected by not less than 1/2" gypsum board or equivalent. (R302.3)

## TURN OVER REQUIREMENTS:

- THE G.C. SHALL COMPLETE ALL REQUIRED INSPECTIONS BY CONSTRUCTION COMPLETION DATE AND WILL FURNISH THE OWNER WITH THE CERTIFICATE OF OCCUPANCY OR/AND A NOTICE OF COMPLETE FINAL INSPECTION. IN ADDITION, THE G.C. SHALL PROVIDE A LIST OF THE NAMES, ADDRESSES AND TELEPHONE NUMBERS OF ALL SUBCONTRACTORS, AND PROOF THAT ALL PAYMENT TO SUB CONTRACTORS HAVE BEEN MADE.
- THE G.C. SHALL TURN OVER ALL KEYS TO THE OWNER.
- UPON COMPLETION OF THE WORK, THE G.C. SHALL PROVIDE FOR A FINAL CLEANING TO BE PERFORMED BY A PROFESSIONAL CLEANING SERVICE. THE ENTIRE STRUCTURE SHALL BE THOROUGHLY CLEANED BEFORE TURNING THE PROPERTY OVER TO OWNER.
- SUPERINTENDENT MUST REMAIN ON JOB SITE THROUGH COMPLETION OF THE PUNCH LIST.
- UPON COMPLETION OF WORK, THE G.C. WILL DEMONSTRATE THE OPERATION OF ALL SYSTEMS TO THE OWNER. THIS INCLUDES ELECTRICAL, MECHANICAL, PLUMBING, SOUND, SECURITY, AND THE OPERATION OF DOORS AND WINDOWS.
- THE GC SHALL COORDINATE A WALK THROUGH WITH THE OWNER'S REPRESENTATIVE AND OBTAIN A SIGNATURE INDICATING COMPLETION AND ACCEPTANCE. SIGNED DOCUMENT SHALL BE SUBMITTED AS PART OF THE THE PROJECT CLOSEOUT PACKAGE.
- THE G.C. SHALL REVIEW ALL DOCUMENTS, FIELD VERIFY ALL DRAWING DIMENSIONS, INSPECT EXISTING FIELD CONDITIONS AND CONFIRM THAT THE WORK CAN BE BUILT AS SHOWN IN THE CONSTRUCTION DRAWINGS.
- ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS DRAWINGS, THE CONTRACT DOCUMENT DRAWINGS AND THE FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OF RECORD FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.
- THE G.C. SHALL, IN THE WORK OF ALL TRADES, PERFORM ALL CUTTING, PATCHING RESTORING, REPAIRING AND THE LIKE, NECESSARY TO COMPLETE THE WORK AND RESTORE ANY DAMAGED SURFACES RESULTING FROM THE WORK TO THEIR ORIGINAL CONDITION. ALL ROOF PATCHING SHALL RETURN AFFECTED AREA TO A "LIKE NEW" CONDITION. PRIOR TO PATCHING THE G.C. SHALL VERIFY ANY ROOF WARRANTIES WITH THE LANDLORD.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TRASH
- PERMITS FOR FIRE SPRINKLER SYSTEM, FIRE ALARM, SIGNAGE, OR ANY OTHER PERMITS REQUIRED BY LOCAL AUTHORITIES ARE THE CONTRACTOR'S RESPONSIBILITY UNDER SEPARATE APPLICATIONS.
- DURING THE CONSTRUCTION PHASE, THE GENERAL CONTRACTOR SHALL PROVIDE A PORTABLE FIRE EXTINGUISHER, WITH A UL LABEL AND RATING OF NOT LESS THAN 2-A, TO BE LOCATED WITHIN A 75 FT. TRAVEL DISTANCE OF ALL PORTIONS OF THE PREMISES.
- A 44 IN. CLEAR EXIT AISLE THROUGH ROOMS TO EXIT DOORS SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
- FIRE DAMPERS SHALL BE PROVIDED BY THE MECHANICAL SUBCONTRACTOR WHERE DUCTS PENETRATE FIRE-RATED WALLS, FLOORS OR CEILING ASSEMBLIES.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE SOILS REPORT PREPARED FOR THIS PROJECT AND APPROVED BY THE BUILDING DEPARTMENT ENGINEER.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR DURING CONSTRUCTION AS IDENTIFIED ON THE EROSION CONTROL PLAN. MAINTENANCE OF ONSITE DRAINAGE AND EROSION CONTROL FACILITIES DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITIES TO COORDINATE SCHEDULES.
- THE CONTRACTOR SHALL RESTORE ANY DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS-SECTIONS THAT EXISTED BEFORE CONSTRUCTION, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DOCUMENTS.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASE OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTling OF MARKERS SHALL BE PERFORMED UNDER THE DIRECTION OF A CALIFORNIA LICENSED PROFESSIONAL LAND SURVEYOR.
- THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY CONSTRUCTION DEBRIS AND MUD TRACKED ONTO EXISTING ROADWAYS. THE CONTRACTOR SHALL REPAIR ANY EXCAVATION OR PAVEMENT FAILURES CAUSED BY THE CONSTRUCTION.
- ALL DAMAGED EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
- THE TYPE, SIZE, LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THESE CONSTRUCTION DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK PRIOR TO COMMENCING ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE OF ANY UNKNOWN UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL MAINTAIN ONE (1) SET OF "REDLINED" PRINTS OF THE CONSTRUCTION PLANS. THE "REDLINED" PRINTS SHALL BE KEPT CURRENT TO ACCURATELY REPRESENT THE DIMENSIONS AND LOCATIONS OF ALL WORK PERFORMED BY THE CONTRACTOR.
- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED LOT STAKING AND CONSTRUCTION STAKING. THE CONTRACTOR SHALL COORDINATE THROUGH THE OWNER'S DESIGNATED REPRESENTATIVE TO ASSURE THAT THE SURVEYOR IS GIVEN ADEQUATE NOTICE AND INSTRUCTION IN ORDER TO COMPLETE THE SURVEY REQUIREMENTS FOR THE VARIOUS PHASES OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF RE-SURVEYING REQUIRED DUE TO THE CONTRACTORS, OR SUBCONTRACTORS, ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS ASSOCIATED WITH RESCHEDULING THE SURVEYOR TO ACCOMMODATE THE CONTRACTOR'S REQUESTS FOR UNSCHEDULED STAKING.
- THE CONTRACTOR



# 2022 SINGLE-FAMILY RESIDENTIAL MANDATORY REQUIREMENTS SUMMARY

NOTE: Single-family residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information. (04/2022)

## BUILDING ENVELOPE:

§110.6(A): AIR LEAKAGE. MANUFACTURED FENESTRATION, EXTERIOR DOORS, AND EXTERIOR PET DOORS MUST LIMIT AIR LEAKAGE TO 0.3 CFM PER SQUARE FOOT OR LESS WHEN TESTED PER NFRC-400, ASTM E283, OR AAMA/WDMA/CSA 101/1.S.2/4440-2011. \*

§110.6(A)5: LABELING. FENESTRATION PRODUCTS AND EXTERIOR DOORS MUST HAVE A LABEL MEETING THE REQUIREMENTS OF §10-111(A).

§110.6(B): FIELD FABRICATED EXTERIOR DOORS AND FENESTRATION PRODUCTS MUST USE U-FACTORS AND SOLAR HEAT GAIN COEFFICIENT (SHGC) VALUES FROM TABLES 110.6-A, 110.6-B, OR JA4.5 FOR EXTERIOR DOORS. THEY MUST BE CAULKED AND/OR WEATHER-STRIPPED. \*

§110.7: AIR LEAKAGE. ALL JOINTS, PENETRATIONS, AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE MUST BE CAULKED, GASKETED, OR WEATHER STRIPPED.

§110.8(A): INSULATION CERTIFICATION BY MANUFACTURERS. INSULATION MUST BE CERTIFIED BY THE DEPARTMENT OF CONSUMER AFFAIRS, BUREAU OF HOUSEHOLD GOODS AND SERVICES (BHGS).

§110.8(G): INSULATION REQUIREMENTS FOR HEATED SLAB FLOORS. HEATED SLAB FLOORS MUST BE INSULATED PER THE REQUIREMENTS OF § 110.8(G).

§110.8(I): ROOFING PRODUCTS SOLAR REFLECTANCE AND THERMAL EMITTANCE. THE THERMAL EMITTANCE AND AGED SOLAR REFLECTANCE VALUES OF THE ROOFING MATERIAL MUST MEET THE REQUIREMENTS OF § 110.8(I) AND BE LABELED PER §110-113 WHEN THE INSTALLATION OF A COOL ROOF IS SPECIFIED ON THE CFR.

§110.8(J): RADIANT BARRIER. WHEN REQUIRED, RADIANT BARRIERS MUST HAVE AN EMITTANCE OF 0.05 OR LESS AND BE CERTIFIED TO THE DEPARTMENT OF CONSUMER AFFAIRS.

§150.0(A): ROOF DECK, CEILING AND RAFTER ROOF INSULATION. ROOF DECKS IN NEWLY CONSTRUCTED ATTICS IN CLIMATE ZONES 4 AND 8-16 AREA-WEIGHTED AVERAGE U-FACTOR NOT EXCEEDING U-0.184. CEILING AND RAFTER ROOFS MINIMUM R-22 INSULATION IN WOOD-FRAME CEILING; OR AREA-WEIGHTED AVERAGE U-FACTOR MUST NOT EXCEED 0.043. RAFTER ROOF ALTERATIONS MINIMUM R-19 OR AREA-WEIGHTED AVERAGE U-FACTOR OF 0.054 OR LESS. ATTIC ACCESS DOORS MUST BE PERMANENTLY ATTACHED INSULATION USING ADHESIVE OR MECHANICAL FASTENERS. THE ATTIC ACCESS MUST BE GASKETED TO PREVENT AIR LEAKAGE. INSULATION MUST BE INSTALLED IN DIRECT CONTACT WITH A ROOF OR CEILING WHICH IS SEALED TO LIMIT INFILTRATION AND EXFILTRATION AS SPECIFIED IN § 110.7, INCLUDING BUT NOT LIMITED TO PLACING INSULATION EITHER ABOVE OR BELOW THE ROOF DECK OR ON TOP OF A DRYWALL CEILING. \*

§150.0(B): LOOSE-FILL INSULATION. LOOSE FILL INSULATION MUST MEET THE MANUFACTURER'S REQUIRED DENSITY FOR THE LABELLED R-VALUE.

§150.0(C): WALL INSULATION. MINIMUM R-13 INSULATION IN 2X4 INCH WOOD FRAMING WALL OR HAVE A U-FACTOR OF 0.102 OR LESS, OR R-20 IN 2X6 INCH WOOD FRAMING OR HAVE A U-FACTOR OF 0.071 OR LESS. OPAQUE NON-FRAMED ASSEMBLIES MUST HAVE AN OVERALL ASSEMBLY U-FACTOR NOT EXCEEDING 0.102. MASONRY WALLS MUST MEET TABLES 150.1-A OR B. \*

§150.0(D): RAISED-FLOOR INSULATION. MINIMUM R-19 INSULATION IN RAISED WOOD FRAMED FLOOR OR 0.037 MAXIMUM U-FACTOR. \*

§150.0(F): SLAB EDGE INSULATION. SLAB EDGE INSULATION MUST MEET ALL OF THE FOLLOWING: HAVE A WATER ABSORPTION RATE, FOR THE INSULATION MATERIAL ALONE WITHOUT FACINGS, NO GREATER THAN 0.3 PERCENT; HAVE A WATER VAPOR PERMEANCE, NO GREATER THAN 2.0 PERM PER INCH; BE PROTECTED FROM PHYSICAL DAMAGE AND UV LIGHT DEGRADATION; AND, WHEN INSTALLED AS PART OF A HEATED SLAB FLOOR, MEET THE REQUIREMENTS OF § 110.8(G).

§150.0(G): VAPOR RETARDER. IN CLIMATE ZONES 1 THROUGH 16, THE EARTH FLOOR OF UNVENTED CRAWL SPACE MUST BE COVERED WITH A CLASS I OR CLASS II VAPOR RETARDER. THIS REQUIREMENT ALSO APPLIES TO CONTROLLED VENTILATION CRAWL SPACE FOR BUILDINGS COMPLYING WITH THE EXCEPTION TO §150.0(D).

§150.0(C)2: VAPOR RETARDER. IN CLIMATE ZONES 14 AND 16, A CLASS I OR CLASS II VAPOR RETARDER MUST BE INSTALLED ON THE CONDITIONED SPACE SIDE OF ALL INSULATION IN ALL EXTERIOR WALLS, VENTED ATTICS, AND UNVENTED ATTICS WITH AIR-PERMEABLE INSULATION.

§150.0(Q): FENESTRATION PRODUCTS. FENESTRATION, INCLUDING SKYLIGHTS, SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACE OR OUTDOORS MUST HAVE A MAXIMUM U-FACTOR OF 0.45; OR AREA-WEIGHTED AVERAGE U-FACTOR OF ALL FENESTRATION MUST NOT EXCEED 0.45.\*

## FIREPLACES, DECORATIVE GAS APPLIANCES, AND GAS LOG:

§110.5(E): PILOT LIGHT. CONTINUOUSLY BURNING PILOT LIGHTS ARE NOT ALLOWED FOR INDOOR AND OUTDOOR FIREPLACES.

§150.0(E): CLOSABLE DOORS. MASONRY OR FACTORY-BUILT FIREPLACES MUST HAVE A CLOSABLE METAL OR GLASS DOOR COVERING THE ENTIRE OPENING OF THE FIREBOX.

§150.0(E)2: COMBUSTION INTAKE. MASONRY OR FACTORY-BUILT FIREPLACES MUST HAVE A COMBUSTION OUTSIDE AIR INTAKE, WHICH IS AT LEAST SIX SQUARE INCHES IN AREA AND IS EQUIPPED WITH A READILY ACCESSIBLE, OPERABLE, AND TIGHT-FITTING DAMPER OR COMBUSTION-AIR CONTROL DEVICE. \*

§150.0(E)3: FLUE DAMPER. MASONRY OR FACTORY-BUILT FIREPLACES MUST HAVE A FLUE DAMPER WITH A READILY ACCESSIBLE CONTROL. \*

## SPACE CONDITIONING, WATER HEATING, AND PLUMBING SYSTEM:

§110.0-§ 110.3: CERTIFICATION. HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) EQUIPMENT, WATER HEATERS, SHOWERHEADS, FAUCETS, AND ALL OTHER REGULATED APPLIANCES MUST BE CERTIFIED BY THE MANUFACTURER TO THE CALIFORNIA ENERGY COMMISSION. \*

§110.2(A): HVAC EFFICIENCY. EQUIPMENT MUST MEET THE APPLICABLE EFFICIENCY REQUIREMENTS IN TABLE 110.2-A THROUGH TABLE 110.2-N. \*

§110.2(B): CONTROLS FOR HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC RESISTANCE HEATERS. HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC RESISTANCE HEATERS MUST HAVE CONTROLS THAT PREVENT SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD CAN BE MET BY THE HEAT PUMP ALONE; AND IN WHICH THE CUT-ON TEMPERATURE FOR COMPRESSION HEATING IS HIGHER THAN THE CUT-ON TEMPERATURE FOR SUPPLEMENTARY HEATING, AND THE CUT-OFF TEMPERATURE FOR COMPRESSION HEATING IS HIGHER THAN THE CUT-OFF TEMPERATURE FOR SUPPLEMENTARY HEATING. \*

§110.2(C): THERMOSTATS. ALL HEATING OR COOLING SYSTEMS NOT CONTROLLED BY A CENTRAL ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) MUST HAVE A SETBACK THERMOSTAT. \*

§110.3(C)3: INSULATION. UNFIRED SERVICE WATER HEATER STORAGE TANKS AND SOLAR WATER-HEATING BACKUP TANKS MUST HAVE ADEQUATE INSULATION, OR TANK SURFACE HEAT LOSS RATING.

§110.3(C)6: ISOLATION VALVES. INSTANTANEOUS WATER HEATERS WITH AN INPUT RATING GREATER THAN 6.8 KBTU PER HOUR (2 KW) MUST HAVE ISOLATION VALVES WITH HOSE BIBBS OR OTHER FITTINGS ON BOTH COLD AND HOT WATER LINES TO ALLOW FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED.

§ 110.5: PILOT LIGHTS. CONTINUOUSLY BURNING PILOT LIGHTS ARE PROHIBITED FOR NATURAL GAS. FAN-TYPE CENTRAL FURNACES; HOUSEHOLD COOKING APPLIANCES (EXCEPT APPLIANCES WITHOUT AN ELECTRICAL SUPPLY VOLTAGE CONNECTION WITH PILOT LIGHTS THAT CONSUME LESS THAN 150 BTU PER HOUR ); AND POOL AND SPA HEATERS. \*

§ 150.0(H)1: BUILDING COOLING AND HEATING LOADS. HEATING AND/OR COOLING LOADS ARE CALCULATED IN ACCORDANCE WITH THE ASHRAE HANDBOOK, EQUIPMENT VOLUME, APPLICATIONS VOLUME, AND FUNDAMENTALS VOLUME; THE SMACNA RESIDENTIAL COMFORT SYSTEM INSTALLATION STANDARDS MANUAL; OR THE ACCA MANUAL USING DESIGN CONDITIONS SPECIFIED IN § 150.0(H)2.

§ 150.0(H)3A: CLEARANCES. AIR CONDITIONER AND HEAT PUMP OUTDOOR CONDENSING UNITS MUST HAVE A CLEARANCE OF AT LEAST FIVE FEET FROM THE OUTLET OF ANY DRYER.

§ 150.0(H)3B: LIQUID LINE DRIER. AIR CONDITIONERS AND HEAT PUMP SYSTEMS MUST BE EQUIPPED WITH LIQUID LINE FILTER DRIERS IF REQUIRED, AS SPECIFIED BY THE MANUFACTURER'S INSTRUCTIONS.

§ 150.0(J)1: WATER PIPING, SOLAR WATER-HEATING SYSTEM PIPING, AND SPACE CONDITIONING SYSTEM LINE INSULATION. ALL DOMESTIC HOT WATER PIPING MUST BE INSULATED AS SPECIFIED IN § 609.11 OF THE CALIFORNIA PLUMBING CODE. \*

§ 150.0(J)2: INSULATION PROTECTION. PIPING INSULATION MUST BE PROTECTED FROM DAMAGE, INCLUDING THAT DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE, AND WIND AS REQUIRED BY §120.3(B). INSULATION EXPOSED TO WEATHER MUST BE WATER RETARDANT AND PROTECTED FROM UV LIGHT (NO ADHESIVE TAPES). INSULATION COVERING CHILLED WATER PIPING AND REFRIGERANT SUCTION PIPING LOCATED OUTSIDE THE CONDITIONED SPACE MUST INCLUDE, OR BE PROTECTED BY, A CLASS I OR CLASS II VAPOR RETARDER. PIPE INSULATION BURIED BELOW GRADE MUST BE INSTALLED IN A WATERPROOF AND NON-CRUSHABLE CASING OR SLEEVE.

§ 150.0(N)1: GAS OR PROPANE WATER HEATING SYSTEMS. SYSTEMS USING GAS OR PROPANE WATER HEATERS TO SERVE INDIVIDUAL DWELLING UNITS MUST DESIGNATE A SPACE AT LEAST 2.5' X 2.5' X 7' SUITABLE FOR THE FUTURE INSTALLATION OF A HEAT PUMP WATER HEATER, AND MEET ELECTRICAL AND PLUMBING REQUIREMENTS, BASED ON THE DISTANCE BETWEEN THIS DESIGNATED SPACE AND THE WATER HEATER LOCATION; AND A CONDENSATE DRAIN NO MORE THAN 2' HIGHER THAN THE BASE OF THE WATER HEATER

§ 150.0(N)3: SOLAR WATER-HEATING SYSTEMS. SOLAR WATER-HEATING SYSTEMS AND COLLECTORS MUST BE CERTIFIED AND RATED BY THE SOLAR RATING AND CERTIFICATION CORPORATION (SRCC), THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, RESEARCH AND TESTING (APMO R&T), OR BY A LISTING AGENCY THAT IS APPROVED BY THE EXECUTIVE DIRECTOR.

## DUCTS AND FANS:

§ 110.8(D)3: DUCTS. INSULATION INSTALLED ON AN EXISTING SPACE-CONDITIONING DUCT MUST COMPLY WITH § 604.0 OF THE CALIFORNIA MECHANICAL CODE (CMC). IF A CONTRACTOR INSTALLS THE INSULATION, THE CONTRACTOR MUST CERTIFY TO THE CUSTOMER, IN WRITING, THAT THE INSULATION MEETS THIS REQUIREMENT.

§ 150.0(M)1: CMC COMPLIANCE. ALL AIR-DISTRIBUTION SYSTEM DUCTS AND PLENUMS MUST MEET CMC §§ 601.0-605.0 AND ANSI/SMACNA-006-2006 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE 3RD EDITION. PORTIONS OF SUPPLY-AIR AND RETURN-AIR DUCTS AND PLENUMS MUST BE INSULATED TO R-6.0 OR HIGHER; DUCTS LOCATED ENTIRELY IN CONDITIONED SPACE AS CONFIRMED THROUGH FIELD VERIFICATION AND DIAGNOSTIC TESTING (RA3.1.4.3.8) DO NOT REQUIRE INSULATION. CONNECTIONS OF METAL DUCTS AND INNER CORE OF FLEXIBLE DUCTS MUST BE MECHANICALLY FASTENED. OPENINGS MUST BE SEALED WITH MASTIC, TAPE, OR OTHER DUCT-CLOSURE SYSTEM THAT MEETS THE APPLICABLE UL REQUIREMENTS, OR AEROSOL SEALANT THAT MEETS UL 723. THE COMBINATION OF MASTIC AND EITHER MESH OR TAPE MUST BE USED TO SEAL OPENINGS GREATER THAN ¼", IF MASTIC OR TAPE IS USED. BUILDING CAVITIES, AIR HANDLER SUPPORT PLATFORMS, AND PLENUMS DESIGNED OR CONSTRUCTED WITH MATERIALS OTHER THAN SEALED SHEET METAL, DUCT BOARD OR FLEXIBLE DUCT MUST NOT BE USED TO CONVEY CONDITIONED AIR. BUILDING CAVITIES AND SUPPORT PLATFORMS MAY CONTAIN DUCTS; DUCTS INSTALLED IN THESE SPACES MUST NOT BE COMPRESSED. \*

§ 150.0(M)2: FACTORY-FABRICATED DUCT SYSTEMS. FACTORY-FABRICATED DUCT SYSTEMS MUST COMPLY WITH APPLICABLE REQUIREMENTS FOR DUCT CONSTRUCTION, CONNECTIONS, AND CLOSURES; JOINTS AND SEAMS OF DUCT SYSTEMS AND THEIR COMPONENTS MUST NOT BE SEALED WITH CLOTH BACK RUBBER ADHESIVE DUCT TAPES UNLESS SUCH TAPE IS USED IN COMBINATION WITH MASTIC AND DRAW BANDS.

§ 150.0(Q)3: FIELD-FABRICATED DUCT SYSTEMS. FIELD-FABRICATED DUCT SYSTEMS MUST COMPLY WITH APPLICABLE REQUIREMENTS FOR: PRESSURE-SENSITIVE TAPES, MASTICS, SEALANTS, AND OTHER REQUIREMENTS SPECIFIED FOR DUCT CONSTRUCTION.

§ 150.0(M)7: BACKDRAFT DAMPER. FAN SYSTEMS THAT EXCHANGE AIR BETWEEN THE CONDITIONED SPACE AND OUTDOORS MUST HAVE BACKDRAFT OR AUTOMATIC DAMPERS.

§ 150.0(M)8: GRAVITY VENTILATION DAMPERS. GRAVITY VENTILATING SYSTEMS SERVING CONDITIONED SPACE MUST HAVE EITHER AUTOMATIC OR READILY ACCESSIBLE, MANUALLY OPERATED DAMPERS IN ALL OPENINGS TO THE OUTSIDE, EXCEPT COMBUSTION INLET AND OUTLET AIR OPENINGS AND ELEVATOR SHAFT VENTS.

§ 150.0(M)9: PROTECTION OF INSULATION. INSULATION MUST BE PROTECTED FROM DAMAGE DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE, AND WIND. INSULATION EXPOSED TO WEATHER MUST BE SUITABLE FOR OUTDOOR SERVICE (E.G., PROTECTED BY ALUMINUM, SHEET METAL, PAINTED CANVAS, OR PLASTIC COVER). CELLULAR FOAM INSULATION MUST BE PROTECTED AS ABOVE OR PAINTED WITH A WATER RETARDANT AND SOLAR RADIATION-RESISTANT COATING.

§ 150.0(M)10: POROUS INNER CORE FLEX DUCT. POROUS INNER CORES OF FLEX DUCTS MUST HAVE A NON-POROUS LAYER OR AIR BARRIER BETWEEN THE INNER CORE AND OUTER VAPOR BARRIER.

§ 150.0(M)11: DUCT SYSTEM SEALING AND LEAKAGE TEST. WHEN SPACE CONDITIONING SYSTEMS USE FORCED AIR DUCT SYSTEMS TO SUPPLY CONDITIONED AIR TO AN OCCUPIABLE SPACE, THE DUCTS MUST BE SEALED AND DUCT LEAKAGE TESTED, AS CONFIRMED THROUGH FIELD VERIFICATION AND DIAGNOSTIC TESTING, IN ACCORDANCE WITH REFERENCE RESIDENTIAL APPENDIX RA3.1.

§ 150.0(W)12: AIR FILTRATION. SPACE CONDITIONING SYSTEMS WITH DUCTS EXCEEDING 10 FEET AND THE SUPPLY SIDE OF VENTILATION SYSTEMS MUST HAVE MERV 13 OR EQUIVALENT FILTERS. FILTERS FOR SPACE CONDITIONING SYSTEMS MUST HAVE A TWO INCH DEPTH OR CAN BE ONE INCH IF SIZED PER EQUATION 150.0-A. CLEAN-FILTER PRESSURE DROP AND LABELING MUST MEET THE REQUIREMENTS IN §150.0(W)12. FILTERS MUST BE ACCESSIBLE FOR REGULAR SERVICE. FILTER RACKS OR GRILLES MUST USE GASKETS, SEALING, OR OTHER MEANS TO CLOSE GAPS AROUND THE INSERTED FILTERS TO AND PREVENTS AIR FROM BYPASSING THE FILTER. \*

§ 150.0(M)13: SPACE CONDITIONING SYSTEM AIRFLOW RATE AND FAN EFFICACY. SPACE CONDITIONING SYSTEMS THAT USE DUCTS TO SUPPLY COOLING MUST HAVE A HOLE FOR THE PLACEMENT OF A STATIC PRESSURE PROBE, OR A PERMANENTLY INSTALLED STATIC PRESSURE PROBE IN THE SUPPLY PLENUM. AIRFLOW MUST BE ≥350 CFM PER TON OF NOMINAL COOLING CAPACITY, AND AN AIR-HANDLING UNIT FAN EFFICACY ≤ 0.45 WATTS PER CFM FOR GAS FURNACE AIR HANDLERS AND ≤ 0.58 WATTS PER CFM FOR ALL OTHERS. SMALL DUCT HIGH VELOCITY SYSTEMS MUST PROVIDE AN AIRFLOW ≥250 CFM PER TON OF NOMINAL COOLING CAPACITY, AND AN AIR-HANDLING UNIT FAN EFFICACY ≤ 0.62 WATTS PER CFM. FIELD VERIFICATION TESTING IS REQUIRED IN ACCORDANCE WITH REFERENCE RESIDENTIAL APPENDIX RA3.3. \*

## VENTILATION AND INDOOR AIR QUALITY:

150.0(O)1: REQUIREMENTS FOR VENTILATION AND INDOOR AIR QUALITY. ALL DWELLING UNITS MUST MEET THE REQUIREMENTS OF ASHRAE STANDARD 62.2. VENTILATION AND ACCEPTABLE INDOOR AIR QUALITY IN RESIDENTIAL BUILDINGS SUBJECT TO THE AMENDMENTS SPECIFIED IN § 150.0(O)1. \*

§ 150.0(O)1B: CENTRAL FAN INTEGRATED (CFI) VENTILATION SYSTEMS. CONTINUOUS OPERATION OF CFI AIR HANDLERS IS NOT ALLOWED TO PROVIDE THE WHOLE-WELLING UNIT VENTILATION AIRFLOW REQUIRED PER §150.0(O)1C. A MOTORIZED DAMPER(S) MUST BE INSTALLED ON THE VENTILATION DUCT(S) THAT PREVENTS ALL AIRFLOW THROUGH THE SPACE CONDITIONING DUCT SYSTEM WHEN THE DAMPER(S) IS CLOSED AND CONTROLLED PER §150.0(O)1BIII&IV. CFI VENTILATION SYSTEMS MUST HAVE CONTROLS THAT TRACK OUTDOOR AIR VENTILATION RUN TIME, AND EITHER OPEN OR CLOSE THE MOTORIZED DAMPER(S) FOR COMPLIANCE WITH §150.0(O)1C.

§ 150.0(O)1C: WHOLE-DWELLING UNIT MECHANICAL VENTILATION FOR SINGLE-FAMILY DETACHED AND TOWNHOUSES . SINGLE-FAMILY DETACHED DWELLING UNITS, AND ATTACHED DWELLING UNITS NOT SHARING CEILINGS OR FLOORS WITH OTHER DWELLING UNITS, OCCUPIABLE SPACES, PUBLIC GARAGES, OR COMMERCIAL SPACES MUST HAVE MECHANICAL VENTILATION AIRFLOW SPECIFIED IN § 150.0(O)1C-III.

§ 150.0(O)1G: LOCAL MECHANICAL EXHAUST. KITCHENS AND BATHROOMS MUST HAVE LOCAL MECHANICAL EXHAUST; NON-ENCLOSED KITCHENS MUST HAVE DEMAND-CONTROLLED EXHAUST SYSTEM MEETING REQUIREMENTS OF §150.0(O)1GIII, ENCLOSED KITCHENS AND BATHROOMS CAN USE DEMAND-CONTROLLED OR CONTINUOUS EXHAUST MEETING §150.0(O)1GIII-IV. AIRFLOW MUST BE MEASURED BY THE INSTALLER PER §150.0(O)1GVI, AND RATED FOR SOUND PER §150.0(O)1GVI. \*

§ 150.0(O)1H&I: AIRFLOW MEASUREMENT AND SOUND RATINGS OF WHOLE-DWELLING UNIT VENTILATION SYSTEMS. THE AIRFLOW REQUIRED PER § 150.0(O)1C MUST BE MEASURED BY USING A FLOW HOOD, FLOW GRID, OR OTHER AIRFLOW MEASURING DEVICE AT THE FAN'S INLET OR OUTLET TERMINALS/GRILLES PER REFERENCE RESIDENTIAL APPENDIX RA3.7. WHOLE-DWELLING UNIT VENTILATION SYSTEMS MUST BE RATED FOR SOUND PER ASHRAE 62.2 §7.2 AT NO LESS THAN THE MINIMUM AIRFLOW RATE REQUIRED BY §150.0(O)1C.

§ 150.0(O)2: FIELD VERIFICATION AND DIAGNOSTIC TESTING. WHOLE-DWELLING UNIT VENTILATION AIRFLOW, VENTED RANGE HOOD AIRFLOW AND SOUND RATING, AND HRV AND ERV FAN EFFICACY MUST BE VERIFIED IN ACCORDANCE WITH REFERENCE RESIDENTIAL APPENDIX RA3.7. VENTED RANGE HOODS MUST BE VERIFIED PER REFERENCE RESIDENTIAL APPENDIX RA3.7.4.3 TO CONFIRM IF IT IS RATED BY HV1 OR AHAM TO COMPLY WITH THE AIRFLOW RATES AND SOUND REQUIREMENTS PER §150.0(O)1G

## POOL AND SPA SYSTEMS AND EQUIPMENT:

110.4(A): CERTIFICATION BY MANUFACTURERS. ANY POOL OR SPA HEATING SYSTEM OR EQUIPMENT MUST BE CERTIFIED TO HAVE ALL OF THE FOLLOWING: COMPLIANCE WITH THE APPLIANCE EFFICIENCY REGULATIONS AND LISTING IN MAEDBS; AN ON-OFF SWITCH MOUNTED OUTSIDE OF THE HEATER THAT ALLOWS SHUTTING OFF THE HEATER WITHOUT ADJUSTING THE THERMOSTAT SETTING; A PERMANENT WEATHERPROOF PLATE OR CARD WITH OPERATING INSTRUCTIONS; AND MUST NOT USE ELECTRIC RESISTANCE HEATING. \*

§ 110.4(B)1: PIPING. ANY POOL OR SPA HEATING SYSTEM OR EQUIPMENT MUST BE INSTALLED WITH AT LEAST 3/8 INCHES OF PIPE BETWEEN THE FILTER AND THE HEATER, OR DEDICATED SUCTION AND RETURN LINES, OR BUILT-IN OR BUILT-UP CONNECTIONS TO ALLOW FOR FUTURE SOLAR HEATING.

§ 110.4(B)2: COVERS. OUTDOOR POOLS OR SPAS THAT HAVE A HEAT PUMP OR GAS HEATER MUST HAVE A COVER.

§ 110.4(B)3: DIRECTIONAL INLETS AND TIME SWITCHES FOR POOLS. POOLS MUST HAVE DIRECTIONAL INLETS THAT ADEQUATELY MIX THE POOL WATER, AND A TIME SWITCH THAT WILL ALLOW ALL PUMPS TO BE SET OR PROGRAMMED TO RUN ONLY DURING OFF-PEAK ELECTRIC DEMAND PERIODS.

§ 110.5: PILOT LIGHT. NATURAL GAS POOL AND SPA HEATERS MUST NOT HAVE A CONTINUOUSLY BURNING PILOT LIGHT.

§ 150.0(P): POOL SYSTEMS AND EQUIPMENT INSTALLATION. RESIDENTIAL POOL SYSTEMS OR EQUIPMENT MUST MEET THE SPECIFIED REQUIREMENTS FOR PUMP SIZING, FLOW RATE, PIPING, FILTERS, AND VALVES. \*

## LIGHTING:

§ 110.9: LIGHTING CONTROLS AND COMPONENTS. ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES MUST MEET THE APPLICABLE REQUIREMENTS OF § 110.9. \*

§ 150.0(K)1A: LUMINAIRE EFFICACY. ALL INSTALLED LUMINAIRES MUST MEET THE REQUIREMENTS IN TABLE 150.0-A, EXCEPT LIGHTING INTEGRAL TO EXHAUST FANS, KITCHEN RANGE HOODS, BATH VANITY MIRRORS, AND GARAGE DOOR OPENERS; NAVIGATION LIGHTING LESS THAN 5 WATTS; AND LIGHTING INTERNAL TO DRAWERS, CABINETS, AND LINEN CLOSETS WITH AN EFFICACY OF AT LEAST 45 LUMENS PER WATT.

§ 150.0(K)1B: SCREW BASED LUMINAIRES. SCREW BASED LUMINAIRES MUST CONTAIN LAMPS THAT COMPLY WITH REFERENCE JOINT APPENDIX JA8. \*

§ 150.0(K)1C: RECESSED DOWNLIGHT LUMINAIRES IN CEILINGS. LUMINAIRES RECESSED INTO CEILINGS MUST NOT CONTAIN SCREW BASED SOCKETS, MUST BE AIRTIGHT, AND MUST BE SEALED WITH A GASKET OR CAULK. CALIFORNIA ELECTRICAL CODE § 410.116 MUST ALSO BE MET.

§ 150.0(K)1D: LIGHT SOURCES IN ENCLOSED OR RECESSED LUMINAIRES. LAMPS AND OTHER SEPARABLE LIGHT SOURCES THAT ARE NOT COMPLIANT WITH THE JAB ELEVATED TEMPERATURE REQUIREMENTS, INCLUDING MARKING REQUIREMENTS, MUST NOT BE INSTALLED IN ENCLOSED OR RECESSED LUMINAIRES.

§ 150.0(K)1E: BLANK ELECTRICAL BOXES. THE NUMBER OF ELECTRICAL BOXES THAT ARE MORE THAN FIVE FEET ABOVE THE FINISHED FLOOR AND DO NOT CONTAIN A LUMINAIRE OR OTHER DEVICE SHALL BE NO MORE THAN THE NUMBER OF BEDROOMS. THESE BOXES MUST BE SERVED BY A DIMMER, VACANCY SENSOR CONTROL, LOW VOLTAGE WIRING, OR FAN SPEED CONTROL.

§ 150.0(K)1F: LIGHTING INTEGRAL TO EXHAUST FANS. LIGHTING INTEGRAL TO EXHAUST FANS (EXCEPT WHEN INSTALLED BY THE MANUFACTURER IN KITCHEN EXHAUST HOODS) MUST MEET THE APPLICABLE REQUIREMENTS OF § 150.0(K).

§ 150.0(K)1G: SCREW BASED LUMINAIRES. SCREW BASED LUMINAIRES MUST CONTAIN LAMPS THAT COMPLY WITH REFERENCE JOINT APPENDIX JA8. \*

§ 150.0(K)1H: LIGHT SOURCES IN ENCLOSED OR RECESSED LUMINAIRES. LAMPS AND OTHER SEPARABLE LIGHT SOURCES THAT ARE NOT COMPLIANT WITH THE JAB ELEVATED TEMPERATURE REQUIREMENTS, INCLUDING MARKING REQUIREMENTS, MUST NOT BE INSTALLED IN ENCLOSED OR RECESSED LUMINAIRES.

§ 150.0(K)1I: LIGHT SOURCES IN DRAWERS, CABINETS, AND LINEN CLOSETS. LIGHT SOURCES INTERNAL TO DRAWERS, CABINETS OR LINEN CLOSETS ARE NOT REQUIRED TO COMPLY WITH TABLE 150.0-A OR BE CONTROLLED BY VACANCY SENSORS PROVIDED THAT THEY ARE RATED TO CONSUME NO MORE THAN 5 WATTS OF POWER, EMIT NO MORE THAN 150 LUMENS, AND ARE EQUIPPED WITH CONTROLS THAT AUTOMATICALLY TURN THE LIGHTING OFF WHEN THE DRAWER, CABINET OR LINEN CLOSET IS CLOSED.

§ 150.0(K)2A: INTERIOR SWITCHES AND CONTROLS. ALL FORWARD PHASE CUT DIMMERS USED WITH LED LIGHT SOURCES MUST COMPLY WITH NEMA SSL 7A.

§ 150.0(K)2B: INTERIOR SWITCHES AND CONTROLS. EXHAUST FANS MUST BE CONTROLLED SEPARATELY FROM LIGHTING SYSTEMS. \*

§ 150.0(K)2A: ACCESSIBLE CONTROLS. LIGHTING MUST HAVE READILY ACCESSIBLE WALL-MOUNTED CONTROLS THAT ALLOW THE LIGHTING TO BE MANUALLY TURNED ON AND OFF. \*

§ 150.0(K)2B: MULTIPLE CONTROLS. CONTROLS MUST NOT BYPASS A DIMMER, OCCUPANT SENSOR, OR VACANCY SENSOR FUNCTION IF THE DIMMER OR SENSOR IS INSTALLED TO COMPLY WITH § 150.0(K).

§ 150.0(K)2C: MANDATORY REQUIREMENTS. LIGHTING CONTROLS MUST COMPLY WITH THE APPLICABLE REQUIREMENTS OF § 110.9.

§ 150.0(K)2D: ENERGY MANAGEMENT CONTROL SYSTEMS. AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) MAY BE USED TO COMPLY WITH DIMMING, OCCUPANCY, AND CONTROL REQUIREMENTS IF IT PROVIDES THE FUNCTIONALITY OF THE SPECIFIED CONTROL PER § 110.9 AND THE PHYSICAL CONTROLS SPECIFIED IN § 150.0(K)2A.

§ 150.0(K)2E: AUTOMATIC SHUTOFF CONTROLS. IN BATHROOMS, GARAGES, LAUNDRY ROOMS, UTILITY ROOMS AND WALK-IN CLOSETS, AT LEAST ONE INSTALLED LUMINAIRE MUST BE CONTROLLED BY AN OCCUPANCY OR VACANCY SENSOR PROVIDING AUTOMATIC-OFF FUNCTIONALITY. LIGHTING INSIDE DRAWERS AND CABINETS WITH OPAQUE FRONTS OR DOORS MUST HAVE CONTROLS THAT TURN THE LIGHT OFF WHEN THE DRAWER OR DOOR IS CLOSED.

§ 150.0(K)2F: DIMMERS. LIGHTING IN HABITABLE SPACES (E.G., LIVING ROOMS, DINING ROOMS, KITCHENS, AND BEDROOMS) MUST HAVE READILY ACCESSIBLE WALL-MOUNTED DIMMING CONTROLS THAT ALLOW THE LIGHTING TO BE MANUALLY ADJUSTED UP AND DOWN. FORWARD PHASE CUT DIMMERS CONTROLLING LED LIGHT SOURCES IN THESE SPACES MUST COMPLY WITH NEMA SSL 7A.

§ 150.0(K)2K: INDEPENDENT CONTROLS. INTEGRATED LIGHTING OF EXHAUST FANS SHALL BE CONTROLLED INDEPENDENTLY FROM THE FANS. LIGHTING UNDER CABINETS OR SHELVES, LIGHTING IN DISPLAY CABINETS, AND SWITCHED OUTLETS MUST BE CONTROLLED SEPARATELY FROM CEILING-INSTALLED LIGHTING.

§ 150.0(K)3A: RESIDENTIAL OUTDOOR LIGHTING. FOR SINGLE-FAMILY RESIDENTIAL BUILDINGS, OUTDOOR LIGHTING PERMANENTLY MOUNTED TO A RESIDENTIAL BUILDING, OR TO OTHER BUILDINGS ON THE SAME LOT, MUST HAVE A MANUAL ON/OFF SWITCH AND EITHER A PHOTOCELL AND MOTION SENSOR OR AUTOMATIC TIME SWITCH CONTROL) OR AN ASTRONOMICAL TIME CLOCK; AN ENERGY MANAGEMENT CONTROL SYSTEM THAT PROVIDES THE SPECIFIED CONTROL FUNCTIONALITY AND MEETS ALL APPLICABLE REQUIREMENTS MAY BE USED TO MEET THESE REQUIREMENTS.

§ 150.0(K)4: INTERNALLY ILLUMINATED ADDRESS SIGNS. INTERNALLY ILLUMINATED ADDRESS SIGNS MUST EITHER COMPLY WITH § 140.8 OR CONSUME NO MORE THAN 5 WATTS OF POWER.

§ 150.0(K)5: RESIDENTIAL GARAGES FOR EIGHT OR MORE VEHICLES. LIGHTING FOR RESIDENTIAL PARKING GARAGES FOR EIGHT OR MORE VEHICLES MUST COMPLY WITH THE APPLICABLE REQUIREMENTS FOR NONRESIDENTIAL GARAGES IN §§ 110.9, 130.0, 130.1, 130.4, 140.6, AND 141.0.

## SOLAR READINESS:

110.10(A): SINGLE-FAMILY RESIDENCES. SINGLE-FAMILY RESIDENCES LOCATED IN SUBDIVISIONS WITH 10 OR MORE SINGLE-FAMILY RESIDENCES AND WHERE THE APPLICATION FOR A TENTATIVE SUBDIVISION MAP FOR THE RESIDENCES HAS BEEN DEEMED COMPLETE AND APPROVED BY THE ENFORCEMENT AGENCY, WHICH DO NOT HAVE A PHOTOVOLTAIC SYSTEM INSTALLED, MUST COMPLY WITH THE REQUIREMENTS OF § 110.10(B)-(E).

§ 110.10(B)1A: MINIMUM SOLAR ZONE AREA. THE SOLAR ZONE MUST HAVE A MINIMUM TOTAL AREA AS DESCRIBED BELOW. THE SOLAR ZONE MUST COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, AND SPACING REQUIREMENTS AS SPECIFIED IN TITLE 24, PART 9 OR OTHER PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED BY A LOCAL JURISDICTION. THE SOLAR ZONE TOTAL AREA MUST BE COMPRISED OF AREAS THAT HAVE NO DIMENSION LESS THAN 5 FEET AND ARE NO LESS THAN 80 SQUARE FEET EACH FOR BUILDINGS WITH ROOF AREAS LESS THAN OR EQUAL TO 10,000 SQUARE FEET OR NO LESS THAN 160 SQUARE FEET EACH FOR BUILDINGS WITH ROOF AREAS GREATER THAN 10,000 SQUARE FEET. FOR SINGLE-FAMILY RESIDENCES, THE SOLAR ZONE MUST BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA NO LESS THAN 250 SQUARE FEET. \*

§ 110.10(B)2: AZIMUTH. ALL SECTIONS OF THE SOLAR ZONE LOCATED ON STEEP-SLOPED ROOFS MUST HAVE AN AZIMUTH BETWEEN 90-300° OF TRUE NORTH.

§ 110.10(B)3A: SHADING. THE SOLAR ZONE MUST NOT CONTAIN ANY OBSTRUCTIONS, INCLUDING BUT NOT LIMITED TO: VENTS, CHIMNEYS, ARCHITECTURAL FEATURES, AND ROOF MOUNTED EQUIPMENT. \*

§ 110.10(B)3B: SHADING. ANY OBSTRUCTION LOCATED ON THE ROOF OR ANY OTHER PART OF THE BUILDING THAT PROJECTS ABOVE A SOLAR ZONE MUST BE LOCATED AT LEAST TWICE THE HORIZONTAL DISTANCE OF THE HEIGHT DIFFERENCE BETWEEN THE HIGHEST POINT OF THE OBSTRUCTION AND THE HORIZONTAL PROJECTION OF THE NEAREST POINT OF THE SOLAR ZONE, MEASURED IN THE VERTICAL PLANE. \*

§ 110.10(B)4: STRUCTURAL DESIGN LOADS ON CONSTRUCTION DOCUMENTS. FOR AREAS OF THE ROOF DESIGNATED AS A SOLAR ZONE, THE STRUCTURAL DESIGN LOADS FOR ROOF DEAD LOAD AND ROOF LIVE LOAD MUST BE CLEARLY INDICATED ON THE CONSTRUCTION DOCUMENTS.

anura  
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§ 150.0(T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR PROPANE FURNACES TO SERVE INDIVIDUAL DWELLING UNITS MUST INCLUDE: A DEDICATED UNOBSTRUCTED 240V BRANCH CIRCUIT WIRING INSTALLED WITHIN 3' OF THE FURNACE WITH CIRCUIT CONDUCTORS RATED AT LEAST 30 AMPS WITH THE BLANK COVER IDENTIFIED AS "240V READY;" AND A RESERVED MAIN ELECTRICAL SERVICE PANEL SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER PERMANENTLY MARKED AS "FOR FUTURE 240V USE."

§ 150.0(U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PROPANE COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS MUST INCLUDE: A DEDICATED UNOBSTRUCTED 240V BRANCH CIRCUIT WIRING INSTALLED WITHIN 3' OF THE COOKTOP WITH CIRCUIT CONDUCTORS RATED AT LEAST 50 AMPS WITH THE BLANK COVER IDENTIFIED AS "240V READY;" AND A RESERVED MAIN ELECTRICAL SERVICE PANEL SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER PERMANENTLY MARKED AS "FOR FUTURE 240V USE."

§ 150.0(V) ELECTRIC CLOTHES DRYER READY. CLOTHES DRYER LOCATIONS WITH GAS OR PROPANE PLUMBING TO SERVE INDIVIDUAL DWELLING UNITS MUST INCLUDE: A DEDICATED UNOBSTRUCTED 240V BRANCH CIRCUIT WIRING INSTALLED WITHIN 3' OF THE DRYER LOCATION WITH CIRCUIT CONDUCTORS RATED AT LEAST 30 AMPS WITH THE BLANK COVER IDENTIFIED AS "240V READY;" AND A RESERVED MAIN ELECTRICAL SERVICE PANEL SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER PERMANENTLY MARKED AS "FOR FUTURE 240V USE."

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852 MARILYN DR,  
CAMPBELL, CA 95008

MANDATORY  
MEASURES

DRAWN BY  
**CA008**

REVISIONS

- 1 TBD
2
3
4
5



ROMAIN CURTIS
ARCHITECT #C35019
367 CIVIC DR #3,
PLEASANT HILL, CA94523
phone: 510.612.0345
roman@anuradesign.com

ADDITION / REMODEL
852 MARILYN DR,
CAMPBELL, CA 95008

CALGREEN
FORMS

DRAWN BY
CA008
CHECKED BY
CA007
ISSUE DATE
06/16/2024
SCALE
N/A
ANURA JOB NO
CA2404-0009
SHEET

2022 CALGREEN RESIDENTIAL VOLUNTARY MEASURES

PROJECT ADDRESS: 852 MARILYN DR, CAMPBELL, CA 95008
PROJECT DESCRIPTION: ADDITION / REMODEL
SECTION 1 - DESIGN VERIFICATION
COMPLETE ALL LINES OF SECTION 1 - DESIGN VERIFICATION AND SUBMIT THE COMPLETE CHECKLIST (COLUMNS 1 AND 2) WITH THE PLANS AND BUILDING PERMIT APPLICATION TO THE BUILDING DIVISION.
THE OWNER, DESIGN PROFESSIONAL AND THE LOCAL JURISDICTION APPROVED CALGREEN INSPECTOR HAVE REVIEWED THE PLANS AND CERTIFY THAT THE ITEMS CHECKED ABOVE ARE HEREBY INCORPORATED INTO THE PROJECT PLANS AND WILL BE IMPLEMENTED INTO THE PROJECT IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE AS AMENDED BY THE LOCAL JURISDICTION.

OWNER SIGNATURE
OWNER NAME (PLEASE PRINT)
DESIGN PROFESSIONAL'S SIGNATURE
DESIGN PROFESSIONAL'S NAME (PLEASE PRINT)

SECTION 2 - IMPLEMENTATION VERIFICATION
COMPLETE, SIGN AND SUBMIT THE COMPLETED CHECKLIST, INCLUDING COLUMN 3, TOGETHER WITH ALL ORIGINAL SIGNATURES ON SECTION 2 - IMPLEMENTATION VERIFICATION TO THE BUILDING DIVISION PRIOR TO BUILDING DIVISION FINAL INSPECTION.

I HAVE INSPECTED THE WORK HAVE RECEIVED SUFFICIENT DOCUMENTATION TO VERIFY AND CERTIFY THAT THE PROJECT IDENTIFIED ABOVE WAS CONSTRUCTED IN ACCORDANCE WITH THIS GREEN BUILDING CHECKLIST AND IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH ON THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE AS AMENDED BY THE LOCAL JURISDICTION.

DIVISION A4.6 - TIER 1 AND TIER 2-continued

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.

RESIDENTIAL VOLUNTARY MEASURES

Table with columns: FEATURE OR MEASURE, APPLICANT TO SELECT ELECTIVE MEASURES, VERIFICATION ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD, and a grid for compliance tracking.



ROMAIN CURTIS  
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# Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

## Materials & Waste Management

### Non-Hazardous Materials

- Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control.

### Hazardous Materials

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- Arrange for appropriate disposal of all hazardous wastes.

### Waste Management

- Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- Check waste disposal containers frequently for leaks and to make sure they are not overflowing. Never hose down a dumpster on the construction site.
- Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

### Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

## Equipment Management & Spill Control

### Maintenance and Parking

- Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

### Spill Prevention and Control

- Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- Clean up spills or leaks immediately and dispose of cleanup materials properly.
- Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

## Earthmoving

- Schedule grading and excavation work during dry weather.
- Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

### Contaminated Soils

- If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
  - Unusual soil conditions, discoloration, or odor.
  - Abandoned underground tanks.
  - Abandoned wells
  - Buried barrels, debris, or trash.

## Paving/Asphalt Work

- Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- Do not use water to wash down fresh asphalt concrete pavement.

### Sawcutting & Asphalt/Concrete Removal

- Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- Shovel, absorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If sawcut slurry enters a catch basin, clean it up immediately.

## Concrete, Grout & Mortar Application

- Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

## Dewatering

- Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- Divert run-on water from offsite away from all disturbed areas.
- When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

## Painting & Paint Removal

### Painting Cleanup and Removal

- Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.

## Landscaping

- Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- Stack bagged material on pallets and under cover.
- Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

Storm drain polluters may be liable for fines of up to \$10,000 per day!

ADDITION / REMODEL  
852 MARILYN DR,  
CAMPBELL, CA 95008

POLLUTION  
PREVENTION PLAN

DRAWN BY

CA008

CHECKED BY

CA007

ISSUE DATE

06/16/2024

SCALE

N/A

ANURA JOB NO

CA2404-0009

SHEET

GN-5

CERTIFICATE OF COMPLIANCE

Table with project details: Project Name (852 MARILYN DR - ADD), Enforcement Agency (Campbell, City of), Dwelling Address (852 Marilyn Dr), Permit Number, City and Zip Code (Campbell, 95008), Permit Application Date (2024-09-26).

Table A: General Information. Columns: 01-14. Rows include Project Name, Location, City, Zip Code, Climate Zone, Building Type, and Project Scope.

Table B: Building Insulation Details - Framed Walls/ Framed Floors (Section 150.2(a)). Columns: 01-11. Rows include Tag/ID, Assembly Type, Frame Type, Frame Depth, Frame Spacing, Cavity R-value, Continuous Insulation R-value, U-Factor, Appendix JA4 Reference, U-Factor from Table 150.1-A, and Comments.

Registration Number: 424-D010228192A-000-000-0000000-0000. Registration Date/Time: 2024-09-27 08:36:31. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

Table H: Fenestration/Glazing Allowed Areas and Efficiencies (Section 150.2(a)1). Columns: 01-10. Rows include Addition Type, Maximum Allowed Fenestration Area, Maximum Allowed West-Facing Fenestration Area, and Fenestration Area.

Table I: Fenestration Proposed Areas and Efficiencies. Note: If meeting Exception 1 to 150.1(i)(3A), installing less than or equal to 3 square feet (ft²) glass in door, it is assumed to meet the minimum required U-factor (0.30) and SHGC (0.23).

Table with fenestration details: Columns 01-14. Rows include Tag/ID, Fenestration Type, Frame Type, Dynamic Glazing, Orientation, Number of Panes, Proposed Fenestration Area, Proposed West-Facing Fenestration Area, Proposed U-factor, Proposed SHGC, Proposed SHGC Source, Exterior Shading Device, and Combined SHGC from CF1R-ENV-03.

Registration Number: 424-D010228192A-000-000-0000000-0000. Registration Date/Time: 2024-09-27 08:36:31. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Table with declaration information: Documentation Author Name (Romain Curtis), Company (Anura Design), Address (367 Civic Drive, Pleasant Hill CA 94523), and Responsible Designer Name (Romain Curtis).

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).

Table with responsible designer information: Responsible Designer Name (Romain Curtis), Company (Anura Design), Address (367 Civic Drive, Pleasant Hill CA 94523), and Phone (6024038322).

Registration Number: 424-D010228192A-000-000-0000000-0000. Registration Date/Time: 2024-09-27 08:36:31. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

Table B: Building Insulation Details - Framed Walls/ Framed Floors (Section 150.2(a)). Columns: 01-11. Rows include Tag/ID, Assembly Type, Frame Type, Frame Depth, Frame Spacing, Cavity R-value, Continuous Insulation R-value, U-Factor, Appendix JA4 Reference, U-Factor from Table 150.1-A, and Comments.

Note: Where insulation is installed above the roofing membrane, or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to American Society for Testing and Materials (ASTM) Standard C272.

Table C: Building Insulation Details - Non-framed (Section 150.1(e)1). This section does not apply to this project.

Table D: Building Insulation Details - Mass Walls (Section 150.1(c)1Bii). This section does not apply to this project.

Table E: Slab On Grade/Concrete Raised Floor Insulation (Table 150.1-A). This section does not apply to this project.

Registration Number: 424-D010228192A-000-000-0000000-0000. Registration Date/Time: 2024-09-27 08:36:31. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

Table with compliance statements: Columns 20-32. Rows include Compliance Statement, Proposed Fenestration U-factor, Required Fenestration U-factor, Proposed Fenestration SHGC, Required Fenestration SHGC, Proposed Fenestration U-factor (Skylights), Required Fenestration U-factor (Skylights), Proposed Fenestration SHGC (Skylights), Required Fenestration SHGC (Skylights), and Compliance Statement.

Table J: Opaque Swinging Doors to Exterior (Section 150.1(i)3). Columns: 01-07. Rows include Tag/ID, Area, Proposed U-factor, Proposed U-factor Source, Required Maximum U-factor, Weighted average (New/No), and Comments.

Table K: Space Conditioning (SC) Systems - Heating/ Cooling (Section 150.2(b) or (Section 150.1(c)7). Columns: 01-03. Rows include Dwelling Unit Name, Dwelling Unit Total CFA + Sum of Existing + Addition (ft²), and Comments.

Registration Number: 424-D010228192A-000-000-0000000-0000. Registration Date/Time: 2024-09-27 08:36:31. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

CERTIFICATE OF COMPLIANCE

Table with project details: Project Name (852 MARILYN DR - ADD), Enforcement Agency (Campbell, City of), Dwelling Address (852 Marilyn Dr), Permit Number, City and Zip Code (Campbell, 95008), Permit Application Date (2024-10-02).

Table A: General Information. CF1R-ALT-02 is applicable to multiple space conditioning systems contained within a single dwelling unit.

Table with general information: Columns 01-10. Rows include Project Name, Location, City, Zip Code, Climate Zone, Date Prepared, Building Type, Dwelling Unit Name, Dwelling Unit Conditioned Floor Area (ft²), and Number of Space Conditioning (SC) Systems in this Dwelling Unit.

Table B: Space Conditioning (SC) System Information. Columns: 01-10. Rows include SC System ID or Name, SC System Location or Area Served, CFA served by this SC System (ft²), Is the SC system a ducted system?, Installing a refrigerant containing component?, Installing new SC system components?, Installing more than 25 feet of ducts?, Installing entirely new duct system?, Installing entirely new SC system?, and Alteration Type.

Registration Number: 424-D010228192A-A02001A. Registration Date/Time: 2024-10-02 16:25:55. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

Table F: Radiant Barrier (Section 150.1(c)2). Columns: 01-02. Rows include Radiant Barrier installed below the roof deck and on all gable end walls, and Comments.

Table G: Roofing Products (Cool Roof) (Section 150.1(c)11). Columns: 01-13. Rows include Tag/ID, Exception, Roof Pitch, Method of Compliance, Product Type, CRRC Product ID Number, Initial Solar Reflectance, Aged Solar Reflectance, Thermal Emittance, SRI (optional), Aged Solar Reflectance, Thermal Emittance, and SRI (optional).

Table with roofing product details: Columns 01-13. Rows include Tag/ID, Exception, Roof Pitch, Method of Compliance, Product Type, CRRC Product ID Number, Initial Solar Reflectance, Aged Solar Reflectance, Thermal Emittance, SRI (optional), Aged Solar Reflectance, Thermal Emittance, and SRI (optional).

Table with roofing product details: Columns 01-13. Rows include Tag/ID, Exception, Roof Pitch, Method of Compliance, Product Type, CRRC Product ID Number, Initial Solar Reflectance, Aged Solar Reflectance, Thermal Emittance, SRI (optional), Aged Solar Reflectance, Thermal Emittance, and SRI (optional).

Registration Number: 424-D010228192A-000-000-0000000-0000. Registration Date/Time: 2024-09-27 08:36:31. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

Table L: Water Heating Systems (Section 150.2(a)1D). This section does not apply to this project.

Table M: Indoor Air Quality (IAQ) Fan Information. This section does not apply to this project.

Registration Number: 424-D010228192A-000-000-0000000-0000. Registration Date/Time: 2024-09-27 08:36:31. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

Table C: Extension of Existing Duct System, Greater Than 25 Feet (Section 150.2(b)1DiB). This section does not apply to this project.

Table D: Altered Space Conditioning System (Sections 150.2(b)1E and F). This section does not apply to this project.

Table E: Entirely New or Complete Replacement Duct System, with or without Equipment Changeout (Sections 150.2(b)1DiA and 150.2(b)1E, F). This section does not apply to this project.

Table F: Entirely New or Complete Replacement Space Conditioning System (Section 150.2(b)1C). Columns: 01-13. Rows include System ID/Name, SC System Description of Area Served, Heating System Type, Altered Heating Component, Heating Efficiency Type, Heating Efficiency Value, Cooling System Type, Altered Cooling Component, Cooling Efficiency Type, Cooling Minimum Efficiency Value SEER/SEER2, Cooling Minimum Efficiency Value EER/EER2/CEER, Required Thermostat Type, and New Duct R-Value.

Required Documentation: CF1R-MCH-01-E - Space Conditioning Systems. Duct insulation requirement for the new portions of supply-air and return-air ducts or plenums: R6 (C2, 3, 5-7) and R8 (C2, 1, 2, 4, 8-16).

Registration Number: 424-D010228192A-A02001A. Registration Date/Time: 2024-10-02 16:25:55. HERS Provider: CHEERS. Report Version: 2022.0.000. Schema Version: rev 20220101.

REVISIONS

Table with revision details: Columns 1-5. Rows include revision number, description, and date.



ROMAIN CURTIS ARCHITECT #C35019 367 CIVIC DR #3, PLEASANT HILL, CA94523 phone: 510.612.0345 roman@anuradesign.com

ADDITION / REMODEL 852 MARILYN DR, CAMPBELL, CA 95008

TITLE 24 FORMS

DRAWN BY CA008 CHECKED BY CA007 ISSUE DATE 06/16/2024 SCALE N/A ANURA JOB NO CA2404-0009 SHEET

EN-1

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Table with 2 columns: Documentation Author Name (Romain Curtis), Signature Date (2024-10-02), Address (367 Civic Drive, Pleasant Hill CA 94523), and Phone (6024038322).

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 manufactured devices for the building design or system design 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 understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Table with 2 columns: Responsible Designer Name (Romain Curtis), Signature Date (2024-10-02), License (C 35019), and Address (367 Civic Drive, Pleasant Hill CA 94523).

Digitally signed by California Home Energy Efficiency Rating Services (CHEERS). This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

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Table B: Building Insulation Details - Framed (Section 150.2(b)1). Columns: Tag/ID, Assembly Type, Frame Type, Frame Depth, Frame Spacing, Cavity R-value, Continuous Insulation R-value, U-Factor, Joint Appendix J44 Reference, U-Factor Or R-value, Comments.

Note: Where insulation is installed above the roofing membrane, or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to American Society for Testing and Materials (ASTM) Standard C272.

C. Building Insulation Details - Non-Framed. This section does not apply to this project.

D. Building Insulation Details - Mass Walls. This section does not apply to this project.

E. Roof Replacement (Section 150.2(b)11). This section does not apply to this project.

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H. Fenestration Proposed Areas and Efficiencies - Replace (Section 150.2(b)18) Note: Doors with greater than or equal to 25 percent glazed area are considered glazed doors and are treated as fenestration products.

Table H: Fenestration Proposed Areas and Efficiencies - Replace. Columns: Tag/ID, Fenestration Type, Frame Type, Dynamic Glazing, Orientation, Area Removed, Area Added, Net Added Area, Proposed U-Factor, Proposed SHGC, Proposed SHGC Source, Exterior Shading Device, Combined SHGC from CF1R-ENV-03.

Table I: Space Conditioning (SC) Systems - Heating/Cooling (Section 150.2(b)). Columns: Net Added West-facing Fenestration Area, Is Net Added Fenestration Area <= zero for west-facing fenestration?, Net Added Fenestration Area (all orientations), Is Net Added Fenestration Area <= zero for all orientations?, Proposed Fenestration U-factor (Windows), Required Fenestration U-factor (Windows), Compliance Statement, Proposed Fenestration SHGC (Windows), Required Fenestration SHGC (Windows), Compliance Statement, Proposed Fenestration U-factor (Skylights), Required Fenestration U-factor (Skylights), Compliance Statement, Proposed Fenestration SHGC (Skylights).

Registration Number: 424-A010228189A-000-000-0000000-0000 Registration Date/Time: 2024-09-27 08:35:53 HERS Provider: CHEERS
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CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2024-09-27 08:36:44 Schema Version: rev 20220101

Table F: Fenestration/Glazing Allowed Areas and Efficiencies (Section 150.2(b)1). Columns: Alteration Type, Maximum Allowed Fenestration Area for All Orientations, Maximum Allowed West-Facing Fenestration Area Only, Existing Fenestration Area for All Orientations, Existing West-Facing Fenestration Area, Maximum Allowed U-factor (Windows), Maximum Allowed U-factor (Skylights), Maximum Allowed SHGC (Windows), Maximum Allowed SHGC (Skylights), Comments.

G. Fenestration Proposed Areas and Efficiencies - Add (Section 150.2(b)1A) Note: Doors with greater than or equal to 25 percent glazed area are considered glazed doors and are treated as fenestration products.

Table G: Fenestration Proposed Areas and Efficiencies - Add. Columns: Tag/ID, Fenestration Type, Frame Type, Dynamic Glazing, Orientation, Number of Panes, Proposed Fenestration Area N, S, E (ft²), Proposed West-Facing Fenestration Area (ft²), Proposed U-factor, Proposed U-factor Source, Proposed SHGC, Proposed SHGC Source, Exterior Shading Device, Combined SHGC from CF1R-ENV-03.

Summary table for Section G: Existing + Proposed Fenestration Area (231), Maximum Allowed Fenestration Area (n/a), Compliance Statement (Design complies with the total allowed fenestration area), Existing + Proposed West-Facing Fenestration Area (37).

Registration Number: 424-A010228189A-000-000-0000000-0000 Registration Date/Time: 2024-09-27 08:35:53 HERS Provider: CHEERS
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Table H: Opaque Swinging Doors to Exterior (Section 150.1(c)5). Columns: Tag/ID, Required Fenestration SHGC (Skylights), Compliance Statement.

This section does not apply to this project.

I. Space Conditioning (SC) Systems - Heating/Cooling (Section 150.2(b)). This section does not apply to this project.

J. Water Heating Systems (Section 150.2(b)11)

Table J: Water Heating Systems. Columns: Water Heating System ID or Name, Water Heating System Type, System Option (from), Water Heater Type, Volume, Fuel Type, # of Water Heaters in System.

- Options:
1. A natural gas or propane water heating system.
2. A single heat pump water heater, storage tank shall not be located outdoors and placed on an incompressible, rigid insulated surface with a minimum thermal resistance of R-10
3. A single Tier 3 or higher heat pump water heater (as rated by Northwest Energy Efficiency Alliance (NEEA))
4. If the existing water heater is electric resistance, a consumer electric water heater

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CERTIFICATE OF COMPLIANCE

Table with 3 columns: Project Name (852 MARILYN DR - ALT), Enforcement Agency (Campbell, City of), Dwelling Address (852 Marilyn Dr), Permit Number, City and Zip Code (Campbell, 95008), Permit Application Date (2024-09-26).

Table A: General Information. Columns: Project Name, Project Location, CA City, Zip Code, Climate Zone, Building Type, Date Prepared, Building Front Orientation (deg), Number of Altered Dwelling Units, Fuel Type, Total Conditioned Floor Area (ft²), Slab Area (ft²).

Note: If Kitchen Range Hood Installation (new or replacement) is selected in A13, HERS verification and a CF1R/3R-MCH-32 is required.

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Table with 2 columns: Tag/ID, Compliance Statement, Design/Requirement details.

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Table with 2 columns: Documentation Author Name (Romain Curtis), Signature Date (2024-09-27), Address (367 Civic Drive, Pleasant Hill CA 94523), and Phone (6024038322).

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 manufactured devices for the building design or system design 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 understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Table with 2 columns: Responsible Designer Name (Romain Curtis), Signature Date (2024-09-27), License (C 35019), and Address (367 Civic Drive, Pleasant Hill CA 94523).

Digitally signed by California Home Energy Efficiency Rating Services (CHEERS). This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

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REVISIONS

- 1. TBD
2.
3.
4.
5.



ROMAIN CURTIS ARCHITECT #C35019 367 CIVIC DR #3, PLEASANT HILL, CA94523 phone: 510.612.0345 roman@anuradesign.com

ADDITION / REMODEL 852 MARILYN DR, CAMPBELL, CA 95008

TITLE 24 FORMS

DRAWN BY CA008 CHECKED BY CA007 ISSUE DATE 06/16/2024 SCALE N/A ANURA JOB NO CA2404-0009 SHEET

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