County of Yuba Community Development & Services Agency



Building Department

915 8™ Street Suite 123 Marysville, California 95901 (530) 749-5440

COUNTY PROVIDED ADU PLANS

Yuba County strives to make the construction of Accessory Dwelling Units (ADU's) more accessible and streamlined for our residents. With that goal in mind we have made several plans available to be used freely within Yuba County. Our agreement with the contracted engineering firm that developed these plans was to provide the plans you see on the website, along with certain documents that are not made publicly available to be provided on the back-end of the permitting process.

Documents provided on the back-end are as follows:

- Title 24 Energy Analysis (Energy Calcs)
- Structural Analysis (Engineering Calcs)

As these plans do not take your property specific conditions into account, such as orientation to the sun, we require the applicant to provide the following along with the plans from the website for a complete submittal:

- Site Plan (dimensioned plan of your property showing location of proposed ADU relative to the primary residence, setbacks from property lines, and any other objects of importance such as: sheds, wells, carports, septic systems, ground mount solar, etc.)
- Solar Plan sized in accordance with requirements in checklist below. (Sizing depends on which plan is used, and whether it will be a raised foundation or a slab on grade.)
- Fire Sprinkler plans ONLY IF THE PRIMARY RESIDENCE IS SPRINKLERED.

In order to process your application, select only one of the options below and provide appropriately sized solar plans:

ADU PLAN NAME	FOUNDATION TYPE	SOLAR SIZE (kWdc)
		. ,
Englebright & Francis	Raised	2.09
Englebright & Francis	Slab	2.02
Prairie, Bear, & Willow	Raised	2.08
Prairie, Bear, & Willow	Slab	2.00
Ellis	Raised	2.12
Ellis	Slab	2.03
Empire & Feather	Raised	2.13
Empire & Feather	Slab	2.04
Grasshopper	Raised	2.12
Grasshopper	Slab	2.04
Deadwood	Raised	2.56
Deadwood	Slab	2.45
Hutchinson	Raised	2.56
Hutchinson	Slab	2.45
Maple Grove & Reeds	Raised	2.64
Maple Grove & Reeds	Slab	2.54

*If your primary residence already has solar in excess of the solar size required for the ADU, you may not need to add solar for your ADU.



GRASSHOPPER

BUILDING INFORMA	TION:	PLAN SELECTION INFORMATION:	
OCCUPANCY GROUP: R-3		FLOOR PLAN: ROOF MATERIAL:	00
CONSTRUCTION TYPE: V-B			NOT
STORIES:		STANDARD -COMPOSITION SHINGLES -REVERSE -METAL	FLC
BUILDING HEIGHT: 16' MA	ЧX		ELE
FLOOR AREA: 599 S	SF	EXTERIOR WALL MATERIAL:	ROC
COVERED PORCH: 63 ST	=	 □ -STUCCO □ -FULL COLUMNS □ -J COLUMNS □ -LAP SIDING 	FOL
FIRE SPRINKLERS: SITE	SPECIFIC*	K -2 COLUMINS KI-LAP SIDING	SHE
W.U.I.: Y OR	N	EXTERIOR WINDOW TREATMENT:	SEC
FLOOD ZONE:		-DECORATIVE SHUTTERS	ELE
FLOOD ZONE:		-TRELLIS ABOVE WINDOWS	MEC
FIRM PANEL #:			STR
		TITLE 24 ENERGY REQUIREMENTS:	STR
BUILDING SHALL COMPLY WITH THE FO CODE: CRC 2022, CEC 2022, CMC 20	D22, CPC	I. WINDOWS: U-FACTOR= 0.28 4. WATER HEATER: HEAT PUMP SHGC=0.23 SIZE: 40 GAL	
2022, CFC 2022, CGBC 2022, CEnC 2 AND ALL STATE, FEDERAL AND LOCA	L	2. INSULATION: WALLS= R-2I FLOOR= SLAB, RAISED 5. HERS TESTING REQUIREMENTS:	
ORDINANCES AS AMENDED BY THE LO JURISDICTION.	DCAL	ATTIC = R-38 PER CALCULATIONS RAFTERS = R-19 6. AIR CONDITIONING:	
* FIRE SPRINKLERS ARE REQUIRED IF . HOUSE THAT THIS ADU IS ACCESSORY .		3. ROOF REQUIREMENTS: HEATING: 8.2 HSPF2	
FIRE SPRINKLERS OR WILL REQUIRE FI	<Ε [΄]	NO RADIANT BARRIERCOOLING: 14 SEER2VENTILATION=II.7 EER2	
SPRINKLERS IF BEING NEWLY CONSTRU		DUCT LOCATION: NONE	

SHEET INDEX:	PAGES:	DESIGN (PROJECT DESCRI	
OVER SHEET	CS	SEISMIC: EQUIVA		NEW CONSTRUCTION OF A 59
OTE SHEETS	GNI - GN5	12.8	URE, ASCE7-16, CHP	DETACHED, ACCESSORY DW
LOOR PLAN	AI	=		
LEVATIONS	A2 - A2.3	55 =	0.543	OWNER:
ROOF PLAN	АЗ	SI =	0.249	
OUNDATION	A4	SMS =	0.742	
HEER WALL & FRAMING PLAN	A5	SMI =	NULL	
ECTIONS	A6 - A6.I	SDS =	0.494	
LECTRICAL	AT	SDI =	NULL	ADDRESS:
1ECHANICAL & PLUMBING	AB	TL =	12	
STRUCTURAL NOTES	SI	R0 =	1.3	
STRUCTURAL DETAILS	52 - 54	R =	6.5	
		SNOW LOAD =	15 PSF	
		WIND: MAIN WIND SYSTEM, ALL HE ASCE7-16, CHP 2		
		WIND SPEED =	95 MPH	APN #:
		EXPOSURE =	C	
		ENCLOSURE =	ENCLOSED	
	- I	I	I	

		General Notes
	DWELLING UNIT DM, I BATH	JACKSON AND SANDS ENGINEERING HAS PROVIDED THESE PLANS SOLELY FOR THE USE WITHIN YUBA COUNTY & DOES NOT GIVE PERMISSION FOR USE OUTSIDE OF THIS AREA. REVIEWED FOR CODE COMPLIANCE - BD
		04/17/2023 YUBA COUNTY BUILDING INSPECTION DIVISION VIENNE
		JACKSON & SANDS ENG SOUNDERING, Inc. (530)115-7184
	YOU ASSUME ALL RESPONSIBILITY AND RISK	No.Revision/IssueDate1INITIAL SUBMITTAL:3/I/232PCI SUBMITTAL:3/I7/23
RIPTION: 599 SQUARE FOOT, WELLING UNIT	FOR YOUR USE OF THE PLANS ARE PROVIDED "AS IS" WITHOUT REPRESENTATIONS OR WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF TITLE, NON-INFRINGEMENT, OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITATION OF THE FOREGOING, YOU AGREE THAT IT IS YOUR RESPONSIBILITY TO ENSURE, PRIOR TO USE OF ANY PLANS, THAT SUCH PLANS ARE ACCURATE, SUITABLE FOR YOUR PURPOSES AND COMPLIANT WITH ALL APPLICABLE LAWS. BY USING THESE PLANS YOU AGREE TO DEFEND (WITH COUNSEL OF COUNTY'S CHOOSING),	CIVIL PROFESS/ON/2 COROGET COROCET
	INDEMNIFY AND HOLD COUNTY, EMPLOYEES, VOLUNTEERS, AGENTS, AND THE DESIGN PROFESSIONAL WHO PREPARED THESE CONSTRUCTION DOCUMENTS, FREE AND HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, COSTS, EXPENSES, LIABILITY, LOSS, DAMAGE OR INJURY OF ANY KIND, IN LAW OR EQUITY, TO PROPERTY OR PERSONS, INCLUDING WRONGFUL DEATH, IN ANY MANNER ARISING OUT OF, PERTAINING TO, RELATED TO, OR INCIDENT TO ACCEPTANCE OF OR USE OF THE CONSTRUCTION DOCUMENTS.	YUBA COUNTY ADUS GRASSHOPPER 599 SQ.FT.
		Project 23-MOOI Date 3/17/23 Scale AS NOTED

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W.U.I NOTES

- APPLY ONLY WHEN HOME HAS BEEN IDENTIFIED AS BEING IN WUI THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF 2022 CRC SECTION R337
- 2. EXTERIOR WALL COVERINGS SHALL BE NONCOMBUSTIBLE, IGNITION RESISTANT &/OR FIRE-RETARDANT-TREATED WOOD (R337.7.3). IF THEY ARE NOT COVERED WITH ONE OF THE MATERIALS MENTIONED, THE EXTERIOR WALL ASSEMBLIES SHALL BE CONSTRUCTED USING ONE OR MORE OF THE FOLLOWING METHODS (R337.7.4):
 - 2.1. ASSEMBLY OF SAWN LUMBER OR GLUE-LAMINATED WOOD WITH THE SMALLEST MIN NOMINAL DIMENSION OF 4". SAWN OR GLUE-LAMINATED PLANKS SPLINED, TONGUE & GROOVE, OR SET CLOSE TOGETHER & WELL SPIKED. 2.2. LOG WALL CONSTRUCTION.
 - 2.3. ASSEMBLY THAT HAS BEEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES FOR A IO-MINUTE DIRECT FLAME CONTACT EXPOSURE TEST SET FORTH IN ASTM E2707 WITH THE CONDITIONS OF ACCEPTANCE SHOWN IN R337.7.4.1
 - 2.4. ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES FOR A IO-MINUTE DIRECT FLAME CONTACT EXPOSURE TEST SET FORTH IN SFM STANDARD 12-7A-1
 - 2.5. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE WITH A I-HOUR FIRE-RESISTANCE RATING, RATED FROM THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM EII9 OR UL 263.
 - 2.6. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE CONTAINING ONE LATE OF & TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR WALL COVERING OR CLADDING ON THE EXTERIOR SIDE OF THE FRAMING.
 - 2.7. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE CONTAINING ANY OF THE GYPSUM PANEL & SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL AS COMPLYING WITH A I-HOUR FIRE-RESISTANCE RATING, AS TESTED IN ACCORDANCE WITH ASTM EII9 OR UL 263
- 3. THE EXPOSED ROOF DECK ON THE UNDERSIDE OF UNENCLOSED ROOF EAVES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING:
 - 3.1. NONCOMBUSTIBLE MATERIAL
 - 3.2. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE & SHALL MEET THE REQUIREMENTS OF SECTION 704A.2
 - 3.3. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE & SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE CBC.
 - 3.4. MATERIALS APPROVED FOR NOT LESS THAN I-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM EII9 OR UL 263
 - 3.5. ONE LAYER OF & TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE OF THE ROOF DECK
 - 3.6. THE EXTERIOR PORTION OF A I-HOUR FIRE RESISTANCE RATED EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM EII9 OR UL 263, APPLIED TO THE UNDERSIDE OF THE ROOF DECK DESIGNED FOR EXTERIOR FIRE EXPOSURE, INCLUDING ASSEMBLIES USING GYPSUM PANEL & SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL
- 4. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE FOUNDATION TO THE ROOF & TERMINATE AT 2" NOMINAL SOLID BLOCKING BETWEEN RAFTERS & OVERHANG (R337.7.3.1)
- 5. ONE PANE OF ALL WINDOWS TO BE TEMPERED, GLASS BLOCK OR HAVE A 20 MINUTE FIRE RATING, OR TESTED TO MEET SFM STANDARDS 12-7A-2 (R337.8.2)
- 6. OPERABLE SKYLIGHTS SHALL BE PROTECTED BY A
- NONCOMBUSTIBLE MESH SCREEN & MAX OPENING (R337.8.2.2) 7. DECKING MATERIAL TO BE IN ACCORDANCE WITH CRC SECTION R337.9
- 8. UNDER-FLOOR PROTECTION IN ACCORDANCE WITH CRC SECTION R337.7.8
- 9. WHEN VALLEY FLASHING IS INSTALLED, THE FLASHING SHALL BE NO LESS THAN 26awg & INSTALLED OVER NO LESS THAN ONE LAYER OF MIN. 72LBS MINERAL SURFACED NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 & AT LEAST 36" WIDE RUNNING THE FULL LENGTH (R337.5.3)
- IO. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES & DEBRIS
- II. ALL VENTS ARE REQUIRED TO RESIST BUILDING IGNITION FROM THE INTRUSION OF FLAME & BURNING EMBERS THROUGH THE VENTILATION OPENINGS INCLUDING CRAWLSPACE VENTS, GABLE END VENTS, EAVE & SOFFIT VENTS SHALL BE IGNITION RESISTANT OR NON-COMBUSTIBLE MATERIAL. (R337.6.1)
- 12. VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME & EMBER RESISTANT VENTS APPROVED & LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 & LISTED, BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS (R337.6.2):
 - 12.1. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST
 - 12.2. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. 12.3. THE MAX TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT
- SHALL NOT EXCEED 662°F. 13. VENTS THAT ARE INSTALLED ON A SLOPED ROOF SHALL COMPLY WITH ALL THE FOLLOWING (R337.6.2.1):
- 13.1. VENTS SHALL BE COVERED WITH A MESH WHERE THE DIMENSIONS OF THE MESH THEREIN SHALL BE A MIN OF 1/2" \$ SHALL NOT EXCEED &" IN DIAMETER.
- 13.2. THE MESH MATERIAL SHALL BE NONCOMBUSTIBLE
- 13.3. THE MESH MATERIAL SHALL BE CORROSION RESISTANT.

- APPLY ONLY WHEN HOME HAS BEEN IDENTIFIED AS BEING IN WUI EXTERIOR DOORS SHALL BE FIRE RESISTIVE IN ACCORDANCE WITH CRC SECTION R337.8.3. (DOOR SHALL HAVE AN EXTERIOR SURFACE OF NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIALS OR BE CONSTRUCTED OF SOLID CORE WOOD IS" THICK OR HAVE A FIRE-RESISTIVE RATING OF NOT LESS THAN 20-MINUTES.
- 2. GARAGE DOOR PERIMETER GAP MAX & METAL FLASHING, JAMB \$ HEADER OVERLAP, & WEATHER-STRIPPING MEETING SECTION REQUIREMENTS (R337.8.4)
- 3. PROPERTY SHALL BE IN COMPLIANCE WITH VEGETATION MANAGEMENT REQUIREMENTS (CFC SEC.4906 \$4907) PRIOR TO BUILDING PERMIT FINAL APPROVAL
- THE UNDERFLOOR AREA OF ELEVATED OR OVERHANGING BUILDINGS SHALL BE ENCLOSED TO GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE UNDERSIDE OF THE EXPOSED UNDERFLOOR SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING:
- 4.1. NONCOMBUSTIBLE MATERIAL
- 4.2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE & SHALL MEET THE REQUIREMENTS OF SECTION R337.4.2
- 4.3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE & SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE CBC
- FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM EII9 OR UL 268 AN EXTERIOR COVERING ON THE UNDERSIDE OF THE FLOOR
- 4.4. MATERIALS APPROVED FOR NOT LESS THAN I-HOUR 4.5. ONE LAYER OF & TYPE X GYPSUM SHEATHING APPLIED BEHIND PROJECTION
- 4.6. THE EXTERIOR PORTION OF A I-HOUR FIRE-RESISTANCE-RATED EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM EII9 OR UL 263, APPLIED TO THE UNDERSIDE OF THE FLOOR, INCLUDING ASSEMBLIES USING THE GYPSUM PANEL SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL
- 4.7. THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN SECTION R337.7.11 WHEN TESTED IN CONSTRUCTION & DEMOLITION WASTE (CGBSC 4.408.2) ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN 8. AT TIME OF FINAL INSPECTION, A BUILDING OPERATION \$ ASTM E2957
- 4.8. THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3
- 4.9. EXCEPTION TO SECTION R337.7.9: STRUCTURAL COLUMNS \$ BEAMS DO NOT REQUIRE PROTECTION WHEN THEY ARE CONSTRUCTED WITH SAWN LUMBER OR GLUE LAMINATED WOOD WITH THE SMALLEST MIN NOMINAL DIMENSION OF 4". SAWN OR GLUE-LAMINATED PLANKS SHALL BE SPLINED, TONGUE-&-GROOVE, OR SET CLOSE TOGETHER & WELL SPIKED

- FLOOR PLAN NOTES WHEN AUTOMATIC FIRE SPRINKLERS ARE REQUIRED THROUGHOUT THE RESIDENCE, FIRE SPRINKLERS SHALL BE DESIGNED BY A CALIFORNIA CONTRACTOR CLASSIFICATION C-16. FIRE SPRINKLER SHALL BE REQUIRED IF THE PRIMARY RESIDENCE HAS FIRE SPRINKLERS.
- 2. EXTERIOR WALLS TO BE 2X6 DF NO. 2 STUDS AT 16" O.C. WITH R-21 INSULATION. SIDING/ SHEAR AS SHOWN ON.
- 3. INTERIOR WALLS TO BE 2X4 DF NO.2 STUDS AT 16" O.C.
- 4. TYPICAL WALL HEIGHT IS $9'O-\frac{3}{4}"$
- 5. IF POSSIBLE, PLEASE TRY TO LOCATE WATER HEATER & AIR CONDITIONER CONDENSER TOWARDS THE INSIDE OF THE PARCEL OPPOSITE OF THE STREET VIEW SIDE OF THE ADU.
- 6. NO OPENING SHALL BE PERMITTED IN THE EXTERIOR WALLS, INCLUDING VENTS, OF GROUP R-3 OCCUPANCIES WHERE THE EXTERIOR WALL IS CLOSER THAN 5' TO THE PROPERTY LINE 2022 CRC TABLE R302.1(1) & TABLE R302.1(2)
- 7. LISTED INSTALLATION INSTRUCTION OR MANUALS SHALL BE ON SITE \sharp AVAILABLE FOR PLUMBING, MECHANICAL, ELECTRICAL EQUIPMENT OR OTHER INSTALLATIONS DURING FIELD INSPECTION OF SPECIFIC APPLIANCES OR FEATURES.
- 8. RODENT PROOFING & INSECT INTRUSION PROTECTION. ANNULAR SPACES AROUND PIPES, ELECTRICAL CABLE CONDUITS OR OTHER OPENINGS IN BOTTOM/SOLE PLATE AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS IN ACCORDANCE WITH THE 2022 CAL GREEN BUILDING CODE, CHAPTER 4. DIVISION 4.4 SECTION 4.406.1 CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE BY THE ENFORCING AGENCY. METHOD ACCEPTABLE BY YUBA COUNTY BUILDING DIVISION WOULD BE LOW VOC CAULKING WITH NON-COMBUSTIBLE FILLING MATERIAL.

5. STUCCO SHALL HAVE A MIN CLEARANCE TO EARTH OF 4" \$ 2" TO EXTERIOR BUILDING FINISH PAVED SURFACES WITH AN APPROVED WEEP SCREED. (CRC ATTIC GABLE & EAVES ABOVE 12' & UNDER FLOOR VENTILATION R703.7.2.1) MASONRY STONE VENEER SHALL BE FLASHED BENEATH SHALL BE PROVIDED WITH FULLY COVERED METAL WIRE MESH, THE FIRST COURSE OF MASONRY & PROVIDED WITH WEEP HOLES VENTS, OR OTHER MATERIALS THAT HAVE A MIN 1/2" & MAX 1/2" IMMEDIATELY ABOVE THE FLASHING. (CRC R703.8.5 \$ R703.8.6) OPENINGS, NON-COMBUSTIBLE & CORROSION RESISTANT. ALL OTHER 6. FLOORS & WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER EAVE VENTS SHALL BE LISTED/APPROVED TO RESIST THE HEADS & IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A INTRUSION OF FLAME & BURNING EMBERS. (CRC337.6.2) NON ABSORBENT SURFACE & SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6' ABOVE FINISHED FLOOR (CRC R307.2)

W.U.I NOTES

- GREEN BUILDING
- PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL & ARE NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION, ONE OR MORE OF THE FOLLOWING MEASURES SHALL BE IMPLEMENTED TO PREVENT FLOODING OF ADJACENT PROPERTY, PREVENT EROSION & RETAIN SOIL RUNOFF ON SITE
- 2. RETENTION BASING OF SUFFICIENT SIZE SHALL BE UTILIZED TO RETAIN STORM WATER ON SITE
- 3. WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, COLLECTION POINT, GUTTER, OR SIMILAR DISPOSAL METHOD, WATER SHALL BE FILTERED BY A BARRIER SYSTEM WATTLE, OR OTHER APPROVED METHOD
- 4. ALL NEW RESIDENTIAL CONSTRUCTION WITH ATTACHED PRIVATE GARAGES SHALL HAVE THE FOLLOWING FOR ELECTRIC VEHICLE (EV) CHARGING STATION (CGBSC4.106.4)
- 4.1. INSTALL A MIN I" CONDUIT CAPABLE OF SUPPLYING A 208/240V BRANCH CIRCUIT TO A SUITABLE BOX LOCATION FOR EV CHARGING. THE OTHER END SHALL TERMINATE TO THE MAIN SERVICE & /OR SUBPANEL
- 4.2. THE MAIN PANEL & /OR SUBPANEL SHALL BE OF SUFFICIENT SIZE TO INSTALL A 40AMP DEDICATED BRANCH CIRCUIT LABEL "EV CAPABLE'
- 5. MULTIPLE SHOWER HEADS SERVING A SINGLE SHOWER SHALL HAVE A COMBINED FLOW RATE OF I.8 apm OR THE SHOWER STALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO OPERATE AT A TIME (CGBSC4.303.1.3.2)
- RESIDENTIAL PROJECTS WITH AN AGGREGATE LANDSCAPE AREA EQUAL TO OR GREATER THAN 500FT² SHALL COMPLY WITH EITHER A LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES MODE WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO), WHICHEVER IS MORE STRINGENT. AUTOMATIC IRRIGATION SYSTEM CONTROLLERS INSTALLED AT TIME OF FINAL INSPECTION SHALL HAVE WEATHER OR SOIL BASED CONTROLLERS &/OR WEATHER BASED CONTROLLERS WITH RAIN SENSORS. SOIL MOISTURE BASED CONTROLLERS ARE NOT REQUIRED TO HAVE RAIN SENSOR INPUT. (CGBSC4.304)
- RECYCLE & /OR REUSE A MIN OF 65% OF NON-HAZARDOUS
- MAINTENANCE MANUAL, COMPACT DISC, ETC SHALL BE PROVIDED CONTAINING THE FOLLOWING:
- 8.1. DIRECTIONS THAT MANUAL SHALL REMAIN ONSITE FOR THE LIFE OF THE BUILDING
- 8.2. OPERATION & MAINTENANCE INSTRUCTIONS FOR EQUIPMENT APPLIANCES, ROOF/YARD DRAINAGE, IRRIGATION SYSTEMS,
- 8.3. INFORMATION FROM LOCAL UTILITY, WATER & WASTE RECOVERY PROVIDERS
- 8.4. PUBLIC TRANSPORTATION & CARPOOL OPTIONS 8.5. MATERIAL REGARDING IMPORTANCE OF KEEPING HUMIDITY LEVELS BETWEEN 30-60 PERCENT
- 8.6. INFORMATION REGARDING ROUTINE MAINTENANCE PROCEDURES 8.7. STATE SOLAR ENERGY INCENTIVE PROGRAM INFORMATION
- 8.8. A COPY OF ANY REQUIRED SPECIAL INSPECTION VERIFICATIONS THAT WERE REQUIRED (IF ANY)
- 9. CLEARLY NOTE ON THE PLANS HOW THE PROJECT WILL MEET MIN POLLUTANT CONTROL REQUIREMENTS FOR ADHESIVES. SEALANTS. CAULKS, PAINTS, CARPET, RESILIENT FLOORING SYSTEMS, ETC. (CGBSC 4.504)
- IO. DUCT OPENING RELATED TO HVAC SYSTEMS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS TO REDUCE THE AMOUNT OF WATER, DUST & DEBRIS WHICH MAY ENTER THE SYSTEM (CGBSC 4.504.1)

WALLS

- POSITIVE POST TO BEAM CONNECTION SHALL BE PROVIDED TO ENSURE AGAINST UPLIFT & LATERAL DISPLACEMENT. (CRC R502.9 & CBC 2304.9.7)
- 2. ALL FASTENERS USED FOR ATTACHMENT OF SIDING & INTO PRESSURE TREATED LUMBER SHALL BE OF A CORROSION RESISTANT TYPE (CRC R317.3).
- 3. FIRE-BLOCK IN CONCEALED SPACES OF STUD WALLS/PARTITIONS, VERTICALLY AT CEILING/FLOOR LEVELS, & HORIZONTALLY AT IO' INTERVALS. FIRE-BLOCK AT SOFFITS, DROP CEILINGS/SIMILAR LOCATIONS & IN CONCEALED SPACES AT THE TOP/BOTTOM OF STAIR STRINGERS. (CRC R302.11)
- 4. PROVIDE APPROVED BUILDING PAPER UNDER THE BUILDING SIDING & APPROVED FLASHING AT EXTERIOR OPENINGS (CRC R703.2). SPECIFY A MIN OF 2 LAYERS OF GRADE D PAPER UNDER STUCCO & DESIGN COI 2 LAYERS OF 15LB FELT (OR EQUIVALENT) UNDER STONE VENEER.

GARAGE & CARPORT GARAGE SHALL BE SEPARATED FROM THE DWELLING UNIT & ATTIC AREA BY 1 GYPSUM BOARD APPLIED TO THE GARAGE SIDE GARAGE BENEATH HABITABLE ROOMS SHALL BE SEPARATED BY NOT LESS THAN & TYPE X GYPSUM BOARD. STRUCTURE SUPPORTING FLOOR/CEILING ASSEMBLIES USED FOR REQUIRED SEPARATIONS SHALL HAVE 1 GYPSUM BOARD INSTALLED MIN. DOOR OPENINGS FROM THE GARAGE TO THE DWELLING SHALL BE SOLID WOOD/STEEL DOORS OR HONEYCOMB STEEL DOORS NOT LESS THAN IS" THICK OR A 20-MINUTE RATED FIRE DOOR. DOORS SHALL BE SELF-CLOSING & SELF-LATCHING. NO OPENINGS DIRECTLY INTO A SLEEPING ROOM FROM THE GARAGE. WHEN THE DWELLING \$ GARAGE HAS FIRE SPRINKLERS INSTALLED PER R309.6 & R313 DOORS INTO THE DWELLING UNIT FROM THE GARAGE ONLY NEED TO BE SELF-CLOSING & SELF-LATCHING. (CRC R302.5.1 & T-R302.6) (CARPORTS OPEN ON TWO OR MORE SIDES & NO ENCLOSED AREAS

ABOVE DO NOT REQUIRE A SEPARATION). DUCTS PENETRATING THE GARAGE TO DWELLING SEPARATION SHALL BE A MIN OF 26 GAUGE WITH NO OPENINGS INTO THE GARAGE. (CRC R302.5.2)

3. PENETRATIONS THROUGH THE GARAGE TO DWELLING SEPARATION WALL (OTHER THAN DUCTS AS LISTED ABOVE) SHALL BE

FIRE-BLOCKED PER CRC SECTION R302.11, ITEM #4. GARAGE & CARPORT FLOOR SURFACES SHALL BE NON-COMBUSTIBLE MATERIAL & SLOPE TO DRAIN TOWARDS THE GARAGE DOOR OPENING. (CRC R309.1)

5. APPLIANCES & RECEPTACLES INSTALLED IN GARAGE GENERATING A GLOW, SPARK OR FLAME SHALL BE LOCATED 18" ABOVE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. PROVIDE PROTECTIVE POST OR OTHER IMPACT BARRIER FROM VEHICLES (CMC 308.0)

6. NEW RESIDENTIAL CONSTRUCTION WITH ATTACHED PRIVATE GARAGES SHALL HAVE THE FOLLOWING FOR ELECTRICAL VEHICLE (EV) CHARGING STATIONS (CGBSC 4.106.4) 6.1. INSTALL A MIN I" CONDUIT CAPABLE OF SUPPLY A 208/240V

BRANCH CIRCUIT TO A SUITABLE BOX LOCATION FOR EV CHARGING. THE OTHER END SHALL TERMINATE TO THE MAIN SERVICE OR SUBPANEL 6.2. THE MAIN PANEL & OR SUBPANEL SHALL BE OF SUFFICIENT SIZE TO INSTALL A 40 AMP DEDICATED BRANCH CIRCUIT. THE DEDICATED OVER-CURRENT PROTECTION SPACE SHALL BE LABELED "EV CAPABLE"

BUILDING SH CRC, 2022

DECK & EXPOSED CONSTRUCTION

I. ALL EXPOSED WOOD SHALL BE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA UI FOR THE SPECIES, PRODUCT, PRESERVATIVE & END USE. CRC SECTION R317.1

2. POSTS/COLUMNS SHALL BE RETRAINED AT THE BOTTOM END TO PREVENT LATERAL DISPLACEMENT, CLEARLY SHOW APPROVED POST BASES, STRAPS, ETC TO ACHIEVE THIS PER (CRC R407.3, 3. ALL HARDWARE IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED OR Z-MAX COATED (G-185) ALL FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED (CRC R317.3) 4. PROVIDE 2X BLOCKING AT SUPPORTS

5. EXTERIOR STAIRS, BALCONIES, DECKS, ETC SHALL BE ATTACHED TO THE PRIMARY STRUCTURE WITH LAG SCREWS OR EQUIVALENT ATTACHMENT THAT WILL RESIST AGAINST WITHDRAWAL & VERTICAL LATERAL FORCES OR SHALL BE DESIGNED TO BE SELF-SUPPORTING (CRC R311.5)

6. GUARDS ARE REQUIRED IF DECK OR FLOOR IS OVER 30" ABOVE GRADE, MIN 42" HIGH, WITH OPENINGS LESS THAN 4" (CRC R312) GUARDRAILS SHALL BE DESIGNED & DETAILED FOR LATERAL FORCES ACCORDING TO (CRC TABLE 301.5)

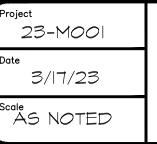
7. PROVIDE DECK LATERAL LOAD CONNECTIONS AT EACH END OF THE DECK & AT DECK INTERSECTIONS PER (CRC R507.2.4) CONNECTORS SHALL HAVE A MIN ALLOWABLE STRESS DESIGN CAPACITY OF 1.500LBS & INSTALL WITH 24" OF THE END OF THE DECK. 750LBS RATED DEVICES ARE ALLOWED (DTTIZ AS EXAMPLE) IF LOCATED EVENLY AT 4 POINTS ALONG THE DECK

HALL COMPLY WITH THE FOLLOWING CODE:	
DES 2022 CBC, 2022 CEC, 2022 CMC, 2022 CPC, 2022	
2 CENC, 2022 CALGREEN, 2022 CFC	

	YUBA ADUs
YOU ASSUME ALL RESPONSIBILITY AND RISK FOR YOUR USE OF	GRASSHO 599 SQ.F
TO ASSUME ALL REPORTIBILITY AND RISK FOR YOUR USE OF THE PLANS ARE PROVIDED "AS IS" WITHOUT REPRESENTATIONS OR WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF TITLE, NON-INFRINGEMENT, OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITATION OF THE FOREGOING, YOU AGREE THAT IT IS YOUR RESPONSIBILITY TO ENSURE, PRIOR TO USE OF ANY PLANS, THAT SUCH PLANS ARE	Project 23-MOO
ACCURATE, SUITABLE FOR YOUR PURPOSES AND COMPLIANT MITH ALL APPLICABLE LANG. BY USING THESE PLANS YOU AGREE TO DEFEND (MITH COUNSEL OF CITY'S CHOOSING), INDEMNIFY AND HOLD CITY, EMPLOYEES, VOLUNTEERS, AGENTS, AND THE DESIGN PROFESSIONAL WHO PREPARED THESE	Date 3/17/23
CONSTRUCTION DOCUMENTS, FREE AND HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, COSTS, EXPENSES, LIABILITY, LOSS, DAMAGE OR INJURY OF ANY KIND, IN LAW OR EQUITY, TO PROPERTY OR PERSONS, INCLUDING WRONGFUL DEATH, IN ANY MANNER ARISING OUT OF, PERTAINING	AS NOTE:
TO, RELATED TO, OR INCIDENT TO ACCEPTANCE OF OR USE OF	

JACKSON AND SANDS ENGINEERING HAS PROVIDED THESE PLANS SOLELY FOR THE USE WITHIN YUBA COUNTY & DOES NOT GIVE PERMISSION FOR USE OUTSIDE OF THIS AREA. **REVIEWED FOR CODE COMPLIANCE - BD** 04/17/2023 YUBA COUNTY BUILDING INSPECTION DIVISION N N N 心田して QOOOうつうり 5 r h Revision/Issue Date 3/1/23 INITIAL SUBMITTAL 3/17/23 PCI SUBMITTAL rane Sana COUNTY

OPPER



STAIRWAYS & RAMPS

- I. EXTERIOR STAIR STRINGERS MUST BE NATURALLY RESISTANT TO DECAY OR PRESSURE TREATED. (CRC R317.1)
- 2. RISE SHALL BE MAX $7\frac{3}{4}$; RUN SHALL BE IO" MIN; HEADROOM 6'-8" MIN; WIDTH 36" MIN, 313" BETWEEN A HANDRAIL ON ONE SIDE \$ 27" WITH HANDRAILS ON TWO SIDES. VARIATION BETWEEN RISER HEIGHTS B" MAX. A NOSING NOT LESS THAN BUT NOT MORE THAN $|_{a}^{\perp}|$ shall be provided on stairways with solid risers where THE TREAD DEPTH IS LESS THAN II". THE LEADING EDGE OF TREADS SHALL PROJECT NOT MORE THAN I_{a}^{\perp} Beyond the tread BELOW. OPEN RISERS ARE PERMITTED, PROVIDED THE OPENING BETWEEN THE TREADS DOES NOT PERMIT THE PASSAGE OF A 4" SPHERE. (OPENINGS ARE NOT LIMITED WHEN THE STAIR HAS A RISE OF 30" OR LESS). (CRC R311.7)
- 3. STAIRWAYS WITH 4 OR MORE RISERS SHALL HAVE A HANDRAIL ON ONE SIDE 34-38" ABOVE THE TREAD NOSING. CIRCULAR HANDRAILS SHALL HAVE AN OUTSIDE DIAMETER OF $I_{z}^{\perp}-2$ "; IF NOT CIRCULAR, IT SHALL HAVE A PERIMETER DIMENSION OF $4-6\frac{1}{4}$ " WITH A MAX CROSS-SECTIONAL DIMENSION OF $2\frac{1}{4}$ ". SEE R311.7.8.3 ITEM# 2 FOR TYPE II HANDRAILS WITH A PARAMETER OVER $6\frac{1}{2}$. A MIN CLEARANCE OF 1/2" SHALL BE MAINTAINED FROM THE WALL OR OTHER SURFACE. HANDRAILS SHALL BE RETURNED, TERMINATE IN NEWEL POSTS, OR SAFETY TERMINALS. (CRC R311.7.8.2)
- 4. GUARDS SHALL BE 42" MIN HEIGHT (UNLESS ACTING AS A HANDRAIL/GUARD FOR A STAIRWAY: THE GUARD HEIGHT MAY BE 34-38" IN HEIGHT), WITH OPENINGS LESS THAN 4" INCHES CLEAR (GUARDS ON THE OPEN SIDES OF STAIRS MAY HAVE 43" OPENINGS). (CRC R312)
- 5. PROVIDE LANDINGS AT THE TOP/BOTTOM OF THE STAIRWAY THE WIDTH OF THE STAIRWAY. THE DEPTH OF THE LANDING SHALL BE 36" MIN. (SEE CRC R311.7.6 FOR EXCEPTIONS).
- 6. USABLE SPACES UNDERNEATH ENCLOSED/UNENCLOSED STAIRWAYS SHALL BE PROTECTED BY A MIN OF $\frac{1}{2}$ " GYPSUM BOARD. (CRC R302.7)
- 7. RAMPS SERVING THE EGRESS DOOR SHALL HAVE A SLOPE OF NOT MORE THAN I UNIT VERTICAL IN 12 UNITS HORIZONTAL (8.3% SLOPE) ALL OTHER RAMPS SHALL HAVE A MAX SLOPE OF I UNIT VERTICAL IN 8 UNITS HORIZONTAL (12.5% SLOPE). EXCEPTION: WHERE IT IS TECHNICALLY INFEASIBLE TO COMPLY BECAUSE OF SITE CONSTRAINTS, RAMPS SHALL HAVE A SLOPE OF NOT MORE THAN UNIT VERTICAL IN 8 UNITS HORIZONTAL (12.5% SLOPE) (CRC R311.8.1) PROVIDE 3'X3' LANDINGS AT THE TOP & BOTTOM OF RAMPS, WHERE DOORS OPEN ONTO RAMPS & WHERE RAMPS CHANGE DIRECTIONS. (CRC R311.8)

AGING-IN-PLACE

- I. AT LEAST ONE BATHROOM ON ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT FOR GRAB BARS. MIN 2×8 SOLID LUMBER. LOCATED BETWEEN 32" & 391/2" ABOVE FINISHED FLOOR. BOTH SIDES OF WATER CLOSET OR ONE SIDE WALL & BACK WALL. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. BATHTUB & COMBINATION BATHTUB/SHOWER SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB & BACK WALL. BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE LOCATED NO MORE THAN 6" ABOVE BATHTUB RIM. INFORMATION FOR IDENTIFYING THE LOCATION OR REINFORCEMENT SHALL BE PLACED IN OPERATIONS & MAINTENANCE MANUAL. (R327.1.1)
- 2. ELECTRICAL RECEPTACLES OUTLETS, SWITCHES & CONTROLS SHALL BE LOCATED NO MORE THAN 48" TO THE TOP OF THE OUTLET BOX \$ NO LESS THAN 15" FROM THE BOTTOM OF THE OUTLET BOX ABOVE THE FINISHED FLOOR. (R327.1.2)
- 3. EFFECTIVE JULY 1st, 2024 AT LEAST ONE BATHROOM & ONE BEDROOM DOORWAY ON THE ENTRY LEVEL SHALL HAVE A NET CLEAR OPENING OF NO LESS THAN 32" AT A 90° ANGLE. (R327.1.3)
- 4. DOORBELL BUTTONS SHALL BE INSTALLED NO MORE THAN 48" TO THE TOP OF THE BUTTON, ABOVE THE FINISHED FLOOR, (R327.1.4)

ROOF

- PROVIDE A MIN 22"x30" ACCESS OPENING TO ATTIC (CRC R807) MAY BE REQUIRED TO BE 30"x30" TO REMOVE THE LARGEST PIECE OF MECHANICAL EQUIPMENT PER THE CALIFORNIA MECHANICAL CODE.
- 2. ATTIC VENTILATION TO BE INSTALLED TO PROVIDE IFT² OF VENTILATION TO EVERY 150FT² OF FLOOR AREA.
- 3. ROOF DRAINS/GUTTERS REQUIRED TO BE INSTALLED PER THE CALIFORNIA PLUMBING CODE WITH LEAF/DEBRIS PROTECTION ALSO INSTALLED.
- 4. ALL ROOFING SHALL BE TESTED/LISTED CLASS A MIN.
- 5. ASPHALT SHINGLES WITH SLOPED ROOFS 2/12 TO 4/12 SHALL HAVE TWO LAYERS OF UNDERLAYMENT APPLIED PER CRC R905.2.2

FLOORS

- I. UNDER FLOOR AREAS WITH STORAGE, FUEL-FIRED EQUIPMENT OR ELECTRICAL POWERED EQUIPMENT WITH JOISTS LESS THAN 2×10 SOLID LUMBER SHALL BE PROTECTED ON THE UNDERSIDE BY 5" SHEETROCK OR SPRINKLER SYSTEM. (R302.13)
- 2. UNDER FLOOR VENTILATION AREA EQUAL TO IFT^2 OF VENTS TO EVERY 150FT² OF FLOOR AREA. AT LEAST ONE VENT OPENING SHALL BE WITHIN 3' OF EACH CORNER OF THE BUILDING
- 3. BALCONIES & DECKS MUST BE DESIGNED FOR A MIN LIVE LOAD OF 60LBS/FT². (CRC T-R301.5)

GENERAL PROVIDE EACH BEDROOM, BASEMENT, & HABITABLE ATTICS WITH A MIN OF ONE EXTERIOR WINDOW WITH A 44" MAX CLEAR OPENING HEIGHT, 5.7FT² MIN CLEAR OPENABLE AREA (MIN 5FT² AT GRADE FLOOR OPENINGS), 24" MIN CLEAR OPENABLE HEIGHT & 20" MIN CLEAR WIDTH, OR AN OPENABLE EXTERIOR EXIT DOOR. (CRC R310.2.1 & CRC R310.2.2) WINDOW WELLS, LADDERS, & STEPS SHALL COMPLY WITH CRC R310.2.3. BARS, GRILLES, COVERS, & SCREENS SHALL BE RELEASABLE OR REMOVABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE, OR FORCE GREATER THAN I5LBS TO OPERATE THE EMERGENCY ESCAPE & RESCUE OPENINGS. (CRC R310.4)

2. EACH BATHROOM CONTAINING A BATHTUB, SHOWER OR TUB/SHOWER COMBINATION SHALL BE MECHANICALLY VENTILATED WITH ENERGY STAR APPROVED EQUIPMENT (MIN 50CFM) WITH AN INTEGRAL HUMIDISTAT INSTALLED. (CRC R303.3.1)

- 3. PROVIDE ATTIC CROSS VENTILATION: 1/150 OF ATTIC AREA OR 1/300 WITH AT LEAST 40% BUT MORE THAN 50% OF VENTS ARE 3' ABOVE EAVE & BALANCE IS AT EAVE. AS AN ALTERNATIVE IN CLIMATE ZONE 16 (TRUCKEE REGION), THE NET AREA MAY BE REDUCED TO 1/300 WHEN A CLASS I OR II VAPOR BARRIER IS INSTALLED ON THE WARM-IN-WINTER SIDE OF THE CEILING. BAFFLES ARE REQUIRED AT VENTS FOR INSULATION. PROVIDE MIN OF I" OF AIR SPACE BETWEEN INSULATION & ROOF SHEATHING. (CRC R806) 4. ENCLOSED RAFTER SPACES SHALL HAVE I" CLEAR CROSS
- VENTILATION. (PROPERLY SIZED RAFTERS FOR INSULATION) (CRC R806.3) UNDER FLOOR CROSS VENTILATION: MIN IFT² FOR EACH 150FT² OF
- UNDER FLOOR AREA. WHEN A CLASS I VAPOR RETARDER IS INSTALLED ON THE GROUND SURFACE THE MIN AREA OF VENTILATION MAY BE LIMITED TO IFT² FOR EACH 1,500FT² OF UNDER-FLOOR SPACE. ONE VENTILATION OPENING SHALL BE WITHIN 3' OF EACH CORNER OF THE BUILDING (CRC R408.1). UNVENTED CRAWL SPACES SHALL COMPLY WITH CRC R408.3.
- 6. THE FOLLOWING AREAS SHALL HAVE SAFETY GLAZING: (CRC R308.4) • SLIDING/SWINGING GLASS DOORS 6.1. GLAZING IN WALLS & ENCLOSURES FACING HOT TUBS, SPAS WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS SWIMMING POOLS WHERE THE GLAZING IS LESS THAN 60" ABOVE THE STANDING SURFACE WITHIN THE COMPARTMENT #
- WITHIN 60" HORIZONTALLY OF THE WATER'S EDGE (CRC R308.4.5) 6.2. IN ALL FIXED & OPERABLE PANELS OF SWINGING, SLIDING &
- BI-FOLD DOORS 6.3. GLAZING WITHIN A 24" ARC OF A DOOR THAT IS LESS THAN 60" ABOVE THE FLOOR. GLAZING INSTALLED PERPENDICULAR TO A DOOR IN A CLOSED POSITION & WITHIN 24" OF THE DOOR ONLY REQUIRES SAFETY GLAZING IF IT IS ON THE HINGE SIDE
- OF AN IN-SWING DOOR. (CRC R308.4.2). 6.4. GLAZING WHERE THE EXPOSED AREA IS GREATER THAN 9FT²,
- BOTTOM IS LESS THAN 18" & AT LEAST 36" ABOVE THE FLOOR & ADJACENT TO A WALKING SURFACE. 6.5. WITHIN 60" OF THE BOTTOM TREAD OF A STAIRWAY & LESS THAN 36" ABOVE THE LANDING.
- 6.6. GLAZING IN GUARDS & RAILINGS 6.7. GLAZING ADJACENT TO STAIRWAYS, LANDINGS, & RAMPS WITHIN 36" HORIZONTALLY OF THE WALKING SURFACE LESS
- THAN 36" ABOVE THE WALKING SURFACE 7. PROVIDE LANDINGS & A PORCH LIGHT AT ALL EXTERIOR DOORS. LANDINGS ARE TO BE MIN 3' DEEP X WIDTH OF DOOR. LANDINGS AT REQUIRED EGRESS DOORS MAY STEP DOWN A MAX OF 73" WHEN THE DOOR DOES NOT SWING OVER THE LANDING & 14" WHEN DOOR SWINGS ONTO THE LANDING. OTHER THAN REQUIRED EXTERIOR EXIT DOORS MAY HAVE A THRESHOLD OF 7%" MAX; A LANDING IS NOT REQUIRED IF A STAIR WITH TWO OR FEWER RISERS IS LOCATED ON THE EXTERIOR SIDE & THE DOOR DOES NOT SWING OVER THE

CLEARANCES & TREATMENT FOR WOOD FRAMING

STAIRWAY. (CRC R311.3-R311.3.2)

- WEATHER EXPOSED GLULAM, BEAMS & POSTS SHALL BE PRESSURE TREATED OR SHALL BE WOOD OF NATURAL RESISTANCE TO DECAY (CRC R317.1.3 \$ 5)
- 2. COLUMNS EXPOSED TO THE WEATHER OR IN BASEMENTS WHEN SUPPORTED ON CONCRETE PIER OR METAL PEDESTALS SHALL BE PRESSURE TREATED OR NATURAL RESISTANCE TO DECAY UNLESS THE PIER/PEDESTALS PROJECT I" ABOVE CONCRETE OR 6" ABOVE EARTH & THE EARTH IS COVERED BY AN APPROVED IMPERVIOUS
- LAUNDRY RECEPTACLE OUTLET(S). CEC 210.11(C)(2). (THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS) MOISTURE BARRIER. (CRC R317.1.4 EXC.) 12. GROUNDING & BONDING OF ELECTRICAL INSTALLATIONS SHALL COMPLY WITH CEC 3. COLUMNS IN ENCLOSED CRAWL SPACES OR UNEXCAVATED AREAS ART. 250 LOCATED WITHIN THE PERIPHERY OF THE BUILDING SHALL BE 13. BOND ALL METAL GAS & WATER PIPES TO GROUND. ALL GROUND CLAMPS SHALL BE PRESSURE TREATED OR NATURAL RESISTANCE TO DECAY UNLESS ACCESSIBLE & OF AN APPROVED TYPE. (CEC 250.104) THE COLUMN IS SUPPORTED BY A CONCRETE PIER OR METAL 14. PACIFIC GAS & ELECTRIC (PG&E) COMPANY APPROVAL IS REQUIRED FOR ELECTRICAL METER LOCATION PRIOR TO INSTALLATION. PANEL LOCATION SUBJECT PEDESTAL OF A HEIGHT 8" OR MORE & THE EARTH IS COVERED BY TO SITE SPECIFIC CONDITIONS & SERVING UTILITY APPROVAL WHERE THIS PLAN IS AN IMPERVIOUS MOISTURE BARRIER. (CRC R317.1.4 EXC. 2) USED. DECK POSTS SUPPORTED BY CONCRETE PIERS OR METAL 15. AFTER BUILDING PERMIT HAS BEEN ISSUED THE OWNER \$/OR CONTRACTOR SHALL APPLY FOR ELECTRICAL & UTILITY GAS SERVICE REQUEST TO PACIFIC GAS & PEDESTALS PROJECTING NOT LESS THAN I" ABOVE A CONCRETE ELECTRIC COMPANY.
- FLOOR OR 6" ABOVE EXPOSED EARTH. (CRC R317.1.4 EXC. 3)

- FOUNDATIONS & CONCRETE SLABS Concrete Strength(s): 2,500 PSI Rebar Grades: 40 KSI U.O.N.
- SLOPE DRAINAGE 6" WITHIN THE FIRST 10' FROM THE FOUNDATION WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT THE IO' DISTANCE, A 2-5% SLOPE SHALL BE PROVIDED TO AN APPROVED ALTERNATIVE METHOD OF DIVERTING THE WATER AWAY FROM THE FOUNDATION. IMPERVIOUS SURFACES SHALL ALSO BE SLOPED A MIN OF 2% FOR 10' AWAY FROM STRUCTURES TO AN APPROVED DRAINAGE WAY. (CRC R401.3)
- 2. STEPPED FOOTINGS SHALL BE USED WHEN SLOPE OF FOOTING BOTTOM IS GREATER THAN I: 10 (V:H).
- CONCRETE SLABS: $3\frac{1}{2}$ " MIN (CRC R506.1). SLABS UNDER LIVING AREAS & GARAGES SHALL BE REINFORCED WITH WIRE 6"x6", 10 GAUGE X 10 GAUGE WELDED MESH OR EQUIVALENT STEEL REINFORCEMENT & 4" THICKNESS OF 3 MIN GRAVEL UNDER THE CONCRETE SLAB. SEPARATE FROM SOIL WITH A IO MIL POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6" IN LIVING AREAS. A CAPILLARY BREAK SHALL BE INSTALLED WHEN A VAPOR RETARDER IS REQUIRED
- 4. PROVIDE 18"x24" FOUNDATION ACCESS THROUGH THE FLOOR OR 16"x24" ACCESS THROUGH A PERIMETER WALL. (CRC R408.4)
- 5. MIN SILL BOLTING: $\frac{1}{2}$ ANCHOR BOLTS OR APPROVED ANCHORS AT 6' O.C. MAX FOR ONE-STORY (CRC R403.1.6). USE ANCHOR BOLTS AT 4' O.C. MAX FOR THREE STORY CONSTRUCTION. EMBED BOLTS 7' MIN. THE ANCHOR BOLTS SHALL BE PLACED IN THE MIDDLE THIRD OF THE WIDTH OF THE PLATE. LOCATE END BOLTS NOT LESS THAN 7 BOLT DIAMETERS, NOR MORE THAN 12" FROM ENDS OF SILL MEMBERS. IN SDC DO & ABOVE: PROVIDE 3"x3"x0.229" PLATE WASHERS ON EACH BOLT AT BRACED OR SHEAR WALL LOCATIONS, STANDARD CUT WASHERS SHALL BE PERMITTED FOR ANCHOR BOLTS NOT LOCATED IN BRACED/SHEAR WALL LINES

ELECTRICAL NOTES

- I. THE PANEL BOARD(S) SHALL BE PROVIDED WITH A CIRCUIT DIRECTORY OR CIRCUIT IDENTIFICATION. 2022 CEC ART. 408.3(F). EVERY CIRCUIT & CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, & SPECIFIC PURPOSE OR USE. THE IDENTIFICATION SHALL INCLUDE AN APPROVED DEGREE OF DETAIL THAT ALLOWS EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. SPARE POSITIONS THAT CONTAIN UNUSED OVER CURRENT DEVICES OR SWITCHES SHALL BE DESCRIBED ACCORDINGLY. THE IDENTIFICATION SHALL BE INCLUDED IN A CIRCUIT DIRECTORY THAT IS LOCATED ON THE FACE OR INSIDE OF THE PANEL DOOR IN THE CASE OF A PANELBOARD & AT EACH SWITCH OR CIRCUIT BREAKER IN A SWITCHBOARD OR SWITCHGEAR. NO CIRCUIT SHALL BE DESCRIBED IN A MANNER THAT DEPENDS ON TRANSIENT CONDITIONS OF OCCUPANCY.
- 2. LISTED INSTALLATION INSTRUCTION OR MANUALS SHALL BE ON SITE & AVAILABLE FOR PLUMBING, MECHANICAL, ELECTRICAL EQUIPMENT OR OTHER INSTALLATIONS DURING FIELD INSPECTION OF SPECIFIC APPLIANCES OR FEATURES
- 3. PHOTOVOLTAIC GENERATING SYSTEMS IS REQUIRED BY CALIFORNIA ENERGY CODE SECTION 150.1(C)14. INSTALLATION OF SOLAR PANELS REQUIRED PRIOR CERTIFICATE OF OCCUPANCY CAN BE ISSUED FOR THIS ADU. A SEPARATE PERMIT IS REQUIRED
- 4. AT LEAST ONE 120-VOLT, 20-AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY A BATHROOM OUTLET(S). SUCH CIRCUIT SHALL HAVE NO OTHER OUTLETS (EXCEPTION-WHERE THE CIRCUIT SUPPLIES A SINGLE BATHROOM, OUTLETS FOR OTHER EQUIPMENT WITHIN THE SAME BATHROOM SHALL BE PERMITTED TO BE SUPPLIED.) CEC 210.11(C(1)) \$ 210.52
- 5. ALL 15-20 AMP KITCHEN RECEPTACLES THAT ARE DESIGNED TO SERVE COUNTERTOP SURFACES, DISHWASHERS, BATHROOMS, IN UNDER-FLOOR SPACES OR BELOW GRADE LEVEL, IN EXTERIOR OUTLET, WITHIN 6' OF A LAUNDRY/UTILITY/WET BAR SINKS, LAUNDRY AREAS SPECIFIED SHALL HAVE (GFCI) GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. 2022 CEC Art. 210.3(A)
- 6. RECEPTACLES SHALL NOT BE INSTALLED WITHIN OR DIRECTLY OVER A BATHTUB OR SHOWER STALL. 2022 CEC Art. 406.9(C). LIGHT PENDANTS, CEILING FANS, LIGHTING TRACKS, ETC. SHALL NOT BE LOCATED WITHIN 3' HORIZONTALLY & 8' VERTICALLY ABOVE A SHOWER \$/OR BATHTUB THRESHOLD. 2022 CEC Art. 410.10(D)
- 1. FIXTURES, LAMP HOLDER & RECEPTACLES OUTLETS SHALL BE SECURELY SUPPORTED. A FIXTURE THAT WEIGHTS MORE THAN 6LBS OR EXCEEDS 16" IN ANY DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMP HOLDER 2022 CEC Art. 410.30(a) OUTLET BOXES SHALL NOT BE USED AS THE SOLE SUPPORT FOR CEILING (PADDLE) FANS. 2022 CEC Art. 314.27(A)&(D)
- 8. OUTLETS IN KITCHEN MUST BE INSTALLED IN EVERY COUNTER SPACE 12" OR WIDER, NOT GREATER THAN 4' O.C. WITHIN 24" OF THE END OF ANY COUNTER SPACE & NOT HIGHER THAN 20" ABOVE COUNTER (CEC 210.52(C))
- 9. TWO SMALL APPLIANCE 20-AMP BRANCH CIRCUITS ARE REQUIRED FOR THE KITCHEN # ARE LIMITED TO SUPPLYING WALL # COUNTER SPACE OUTLETS FOR THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, & SIMILAR AREAS. NOTE: THE CIRCUITS CANNOT SERVE OUTSIDE PLUGS, RANGE HOOD, DISPOSALS, DISHWASHER OR MICROWAVES - ONLY THE REQUIRED COUNTERTOP/WALL OUTLETS INCLUDING THE REFRIGERATOR. CEC 210.11(C(1)) & 210.52(B)
- IO. ALL 120V SINGLE PHASE 15-20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS (I.E RECEPTACLES, LIGHTS, SMOKE DETECTORS, ETC) INSTALLED IN DWELLING UNIT KITCHEN, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED COMBINATION-TYPE ARC-FAULT CIRCUIT INTERRUPTER, INSTALLED TO PROVIDE
- PROTECTION OF THE ENTIRE BRANCH CIRCUIT, (CEC 210.12(A)) DEDICATED 20-AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE
- 16. ALL NON-LOCKING TYPE 125-VOLT 15-20AMP RECEPTACLES IN THE DWELLING SHALL BE TAMPER-RESISTANT. (CED Art. 406.12)
- 17. RECEPTACLES SHALL BE INSTALLED AT 12' O.C. MAX IN WALLS STARTING AT 6' MAX FROM THE WALL END. WALLS LONGER THAN 2' SHALL HAVE A RECEPTACLE. HALLWAY WALLS LONGER AN IO' SHALL HAVE A RECEPTACLE IN HALLWAY. (CEC Art. 210.52(A)
- 18. ELECTRICAL RECEPTACLES OUTLETS, SWITCHES & CONTROLS FOR OCCUPANTS USE SHALL BE NO MORE THAN 48" & NOT LESS THAN 15" ABOVE FINISH FLOOR (R327.1.2)

- (CEC 250.104)

- 210.52 (D), (F) & (G))

- BASEMENTS, ETC)
- 210.52(C)(I)) 210.52(A))
- (CEC 210.8)

- 240V USE" (CEC 150.0(t)).

- (CEC 150.0(U)).

ELECTRICAL NOTES

I. NO ELECTRICAL PANELS SHALL BE IN CLOSETS OF BATHROOMS. MAINTAIN A CLEARANCE OF 36" IN FRONT OF PANELS, 30" WIDE OR WIDTH OF EQUIPMENT & 6'-6" HIGH FOR HEADROOM (CEC 110.26)

2. A CONCRETE-ENCASED ELECTRODE (UFER) CONSISTING OF 20' OF REBAR OR #4 COPPER WIRE PLACED IN THE BOTTOM OF A FOOTING IS REQUIRED FOR ALL NEW CONSTRUCTION. (CEC 250.52(A) (3) BOND ALL METAL GAS & WATER PIPES TO GROUND. ALL GROUND CLAMPS SHALL BE ACCESSIBLE & OF AN APPROVED TYPE.

ALL 15/20 AMPERE RECEPTACLES INSTALLED PER CEC 210.52 SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. (CEC 406.12)

4. ALL BRANCH CIRCUITS SUPPLYING 15/20 AMPERE OUTLETS IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, KITCHENS, LAUNDRY ROOM OR SIMILAR ROOMS/AREAS SHALL BE PROTECTED BY A LISTED COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER. (CEC 210.12)

5. PROVIDE A MIN OF ONE 20A CIRCUIT TO BE USED FOR THE LAUNDRY RECEPTACLE (CEC 210.11(C)(2)) PROVIDE A MIN OF ONE 20A CIRCUIT FOR BATHROOM RECEPTACLE OUTLETS. (CEC 210.11(C)(3) PROVIDE A MIN OF ONE 20A CIRCUIT FOR ATTACHED \$ DETACHED GARAGE OUTLETS. (CEC 210.11(C)(4))

6. PROVIDE AT LEAST I OUTLET IN BASEMENTS, GARAGES, LAUNDRY ROOMS, DECKS BALCONIES, PORCHES & WITHIN 3' OF THE OUTSIDE OF EACH BATHROOM BASIN. (CEC

7. FURNACES INSTALLED IN ATTICS & CRAWL SPACES SHALL HAVE AN ACCESS PLATFORM (CATWALK IN ATTICS), LIGHT SWITCH & RECEPTACLE IN THE SPACE. PROVIDE A SERVICE RECEPTACLE FOR THE FURNACE. (CEC 210.63) 8. ALL DWELLINGS MUST HAVE ONE EXTERIOR OUTLET AT THE FRONT # THE BACK OF THE DWELLING. (CEC 210.52(E))

9. EXTERIOR OUTLETS SHALL BE GFCI PROTECTED 10. GARAGE RECEPTACLES SHALL NOT SERVE OUTLETS OUTSIDE THE GARAGE. A MIN OF RECEPTACLE SHALL BE PROVIDED FOR EACH CAR SPACE. (210.52(G)(AT LEAST ONE WALL SWITCHED LIGHTING OUTLET OR FIXTURE SHALL BE INSTALLED IN EVERY HABITABLE ROOM, BATHROOM, HALLWAYS, STAIRWAYS, ATTACHED GARAGES # DETACHED GARAGES WITH ELECTRICAL POWER EQUIPMENT SPACED (ATTIC,

12. A 15/20-AMP RECEPTACLE SHALL BE INSTALLED WITHIN 50' OF ELECTRICAL SERVICE EQUIPMENT. (CEC 210.64)

13. KITCHENS, DINING ROOMS, PANTRIES, BREAKFAST NOOKS, & SIMILAR AREAS MUST HAVE A MIN OF TWO 20A CIRCUITS. KITCHEN, PANTRY, BREAKFAST NOOKS, DINING ROOMS, & SIMILAR AREAS COUNTER OUTLETS MUST BE INSTALLED IN EVERY COUNTER SPACE 12" OR WIDER, NOT GREATER THAN 4'O.C., WITHIN 24" OF THE END OF ANY COUNTER SPACE & NOT HIGHER THAN 20" ABOVE COUNTER. (CEC 210.52 (C)) ISLAND COUNTER SPACES SHALL HAVE AT LEAST I RECEPTACLE OUTLET UNLESS A RANGE TOP OR SINK IS INSTALLED THEN 2 RECEPTACLES MAY BE REQUIRED. I RECEPTACLE IS REQUIRED FOR PENINGULAR COUNTER SPACES. RECEPTACLES SHALL BE LOCATED BEHIND KITCHEN SINKS IF THE COUNTER AREA DEPTH BEHIND THE SINK IS MORE THAN 12" FOR STRAIGHT COUNTERS & 18" FOR CORNER INSTALLATIONS. (CEC FIGURE

RECEPTACLES SHALL BE INSTALLED AT 12' O.C. MAX IN WALLS STARTING AT 6'MAX FROM THE WALL END. WALLS LONGER THAN 2' SHALL HAVE A RECEPTACLE. HALLWAY WALLS LONGER THAN 10' SHALL HAVE A RECEPTACLE IN HALLWAYS. (CEC

RECEPTACLES SHALL NOT BE INSTALLED WITHIN OR DIRECTLY OVER A BATHTUB OR SHOWER STALL. (CEC 406.9(C) LIGHT PENDANTS, CEILING FANS, LIGHTING TRACKS, ETC SHALL NOT BE LOCATED WITHIN 3' HORIZONTALLY & &' VERTICALLY ABOVE A SHOWER & /OR BATHTUB THRESHOLD. (CEC 410.10(D))

16. ALL LIGHTING/FAN FIXTURES LOCATED IN WET OR DAMP LOCATIONS SHALL BE RATED FOR THE APPLICATION. (CEC 410.10)

GFCI OUTLETS ARE REQUIRED: FOR ALL KITCHEN RECEPTACLES THAT ARE DESIGNED TO SERVE COUNTERTOP SURFACES, DISHWASHERS, BATHROOMS, IN UNDER-FLOOR SPACES OR BELOW GRADE LEVEL, IN EXTERIOR OUTLETS, WITHIN 6' OF A LAUNDRY/UTILITY/WET BAR SINKS, LAUNDRY AREAS, & IN ALL GARAGE OUTLETS INCLUDING OUTLETS DEDICATED TO A SINGLE DEVICE OR GARAGE DOOR OPENER

18. ALL 15/20 AMPERE RECEPTACLES IN WET LOCATIONS SHALL HAVE IN-USE (BUBBLE) COVERS INSTALLED. ALL RECEPTACLES IN WET LOCATIONS SHALL ALSO BE LISTED WEATHER-RESISTANT TYPE. (CEC 406.9(B)(I)

ENERGY STORAGE SYSTEM (ESS) READY

AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED ESS READY INTERCONNECTION EQUIPMENT WITH A MIN BACKED-UP CAPACITY OF 60 AMPS & A MIN OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR

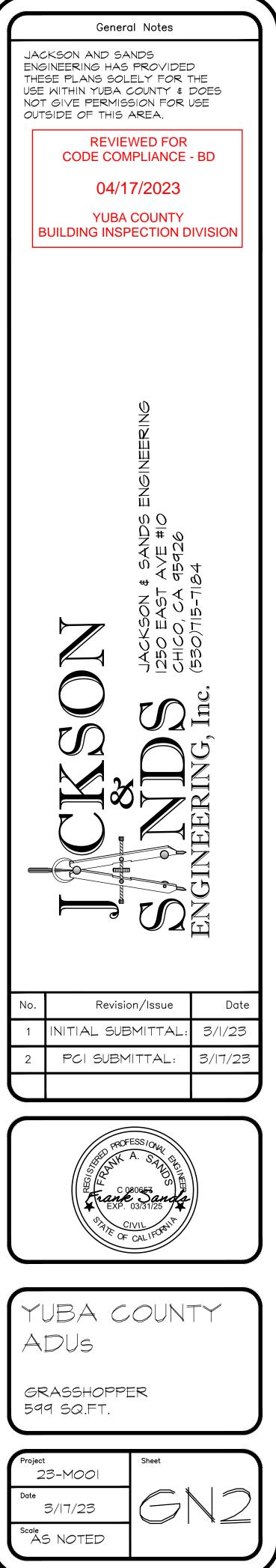
2. A DEDICATED RACEWAY FROM THE MAIN SERVICE PANEL TO A SUBPANEL THAT SUPPLIES THE FOLLOWING BRANCH CIRCUITS: REFRIGERATOR, LIGHTING CIRCUIT NEAR PRIMARY EGRESS DOOR. SLEEPING ROOM RECEPTACLE & ON ADDITIONAL. 3. THE MAIN PANELBOARD SHALL HAVE A MIN BUSBAR RATING OF 225 AMPS. SPACE SHALL BE RESERVED TO ALLOW FUTURE INSTALLATION OF A SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH WITHIN 3' OF THE MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN THE PANELBOARD & THE SYSTEM ISOLATION

EQUIPMENT TO ALLOW THE CONNECTION BACKUP POWER SOURCE. 4. HEAT PUMP SPACE HEATER READY. SYSTEM USING A GAS OR PROPANE FURNACE SHALL INCLUDE A DEDICATED 240 VOLT BRANCH CIRCUIT WITHIN 3' OF THE FURNACE. THE BRANCH CIRCUIT SHALL BE RATED AT 30 AMPS MIN. THE MAIN ELECTRICAL SERVICE SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER. THE SPACE SHALL BE MARKED AS "FOR FUTURE

5. ELECTRIC COOKTOP READY. SYSTEM USING A GAS OR PROPANE COOKTOP SHALL INCLUDE A DEDICATED 240 VOLT BRANCH CIRCUIT WITHIN 3' OF THE COOKTOP. THE BRANCH CIRCUIT SHALL BE RATED AT 50 AMPS MIN. THE MAIN ELECTRICAL SERVICE SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER. THE SPACE SHALL BE MARKED AS "FOR FUTURE 240V USE"

6. ELECTRIC CLOTHES DRYER READY. SYSTEM USING A GAS OR PROPANE DRYER SHALL INCLUDE A DEDICATED 240 VOLT BRANCH CIRCUIT WITHIN 3' OF THE CLOTHES DRYER. THE BRANCH CIRCUIT SHALL BE RATED AT 30 AMPS MIN. THE MAIN ELECTRICAL SERVICE SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER. THE SPACE SHALL BE MARKED AS "FOR FUTURE 240V USE" (CED 150.0(\vee)).





PLUMBING

- I. UNDERFLOOR CLEANOUTS SHALL NOT BE MORE THAN 5' FROM AN UNDERFLOOR ACCESS, ACCESS DOOR OR TRAP DOOR. (CPC 101.9)
- 2. EXTERIOR HOSE BIBS SHALL BE EQUIPPED WITH A NON-REMOVABLE BACK-FLOW PREVENTION. (CPC 603.5.7)
- 3. SHOWER & TUB COMBINATIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE THERMOSTATIC OF COMBINATION PRESSURE BALANCE THERMOSTATIC MIXING VALVE TYPE. (CPC 408.3)
- 4. KITCHEN SINKS REQUIRE A CLEANOUT ABOVE THE FLOOR LEVEL OF THE LOWEST FLOOR OF THE BUILDING
- 5. AIR GAP FITTING REQUIRED AT DISHWASHER
- 6. WATER CLOSET SHALL BE POSITIONED TO HAVE A MIN 15" FROM ITS
- CENTER TO THE EDGE OF THE SINK & TO THE TUB. 7. ABS PIPING SHALL NOT BE EXPOSED TO DIRECT SUNLIGHT UNLESS PROTECTED BY WATER BASED SYNTHETIC LATEX PAINTS. (CPC
- 8. PVC PIPING SHALL NOT BE EXPOSED TO DIRECT SUNLIGHT UNLESS PROTECTED BY WATER BASED SYNTHETIC LATEX PAINT, .04" THICK WRAP OR OTHERWISE PROTECTED FROM UV DEGRADATION. (CPC 3|2.|4)
- 9. THE ADJACENT SPACE NEXT TO SHOWERS WITHOUT THRESHOLDS SHALL BE CONSIDERED A OWET LOCATION WHEN USING THE CRC, CBC, & THE CEC. (CPC 408.5)
- IO. SHOWER COMPARTMENTS, REGARDLESS OF SHAPE, SHALL HAVE A MIN FINISHED INTERIOR OF 1024IN² (32"x32") & SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30" CIRCLE. THE REQUIRED AREA \$ DIMENSIONS SHALL BE MEASURED AT A HEIGHT EQUAL TO THE TOP OF THE THRESHOLD & SHALL BE MAINTAINED TO A POINT OF NOT LESS THAN 70" ABOVE THE SHOWER DRAIN OUTLET. (CPC 408.6) PROVIDE CURTAIN ROD OR DOOR A MIN OF 22" IN WIDTH (CPC 408.5). SHOWERS & TUBS WITH SHOWERS REQUIRE A NON-ABSORBENT SURFACE UP TO 6' ABOVE THE FLOOR. (CRC R307.2)
- II. WATER HEATERS: PROVIDE PRESSURE RELIEF VALVE WITH DRAIN TO OUTSIDE FOR WATER HEATER. (CPC 504.6) PROVIDE SEISMIC STRAPPING IN THE UPPER & LOWER THIRD OF THE WATER HEATER A MIN OF 4" ABOVE CONTROLS. (CPC 507.2) THE WATER HEATER SHALL BE OF AN INSTANTANEOUS TYPE OR THE FOLLOWING SHALL
- BE PROVIDED (NEW CONSTRUCTION ONLY) (CEC 150(N)) II.I. A 120V RECEPTACLES PROVIDED WITHIN 3' . A CATEGORY III OR IV VENT, OR A STRAIGHT (WITHOUT BENDS) TYPE B VENT
- II.2. CONDENSATE DRAIN THAT IS NO MORE THAN 2" HIGHER THAN THE BASE OF THE WATER HEATER 11.3. WATER HEATERS USING GAS OR PROPANE SHALL DESIGNATE
- A SPACE 23'x23' & 7' TALL SUITABLE FOR FUTURE INSTALLATION OF HEAT PUMP WATER HEATER
- II.4. GAS SUPPLY LINE WITH A MIN 200,000 BTU/HR DEDICATED CAPACITY FOR THE WATER HEATER
- 11.5. DOMESTIC HOT WATER LINES SHALL BE INSULATED. INSULATION SHALL BE THE THICKNESS OF THE PIPE DIAMETER UP TO 2" IN SIZE & MIN 2" THICKNESS FOR PIPES LARGER THAN 2" IN DIAMETER. (CPC 609.11)
- OF UNDERFLOOR SPACES, INSTALLED SO AS TO PROVIDE $\frac{1}{2}$ /FOOT GRADE & TERMINATE AT AN EXTERIOR POINT OF THE BUILDING PROTECTED FROM BLOCKAGE. THE OPENING SHALL BE SCREENED WITH A CORROSION-RESISTANT WIRE MESH WITH MESH OPENINGS OF $\frac{1}{4}$ " IN DIMENSION. LENGTHS OF THE GRAVITY DRAINS OVER IO' IN LENGTH SHALL BE FIRST APPROVED BY THE BUILDING OFFICIAL. (L-V 8.9)
- II.7. WATER HEATERS LOCATED IN ATTICS, CEILING ASSEMBLIES \$ RAISED FLOOR ASSEMBLIES SHALL SHOW A WATER-TIGHT CORROSION RESISTANT MIN $1\frac{1}{2}$ " DEEP PAN UNDER THE WATER HEATER WITH A MIN 3" DRAIN TO THE EXTERIOR OF THE BUILDING. (CPC 507.5)
- 11.8. WATER CLOSET SHALL BE LOCATED IN A SPACE NOT LESS THAN 30" IN WIDTH (15" ON EACH SIDE) \$ 24" MIN CLEARANCE IN FRONT. (CPC 402.5)
- II.9. THE MAX HOT WATER TEMPERATURE DISCHARGING FROM A BATHTUB OR WHIRLPOOL BATH-TUB FILLER SHALL NOT EXCEED 120°F. (CPC 418)
- II.IO. PROVIDE ANTI-SIPHON VALVES ON ALL HOSE BIBS. (CPC 603.5.7)
- II.II. FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER. (CPC 1007)
- II.12. MAX WATER FLOW RATES. (CGBSC 4.303.1):
 - •WATER CLOSETS: 1.28-GPF
 - •URINALS: .125-GPF
 - •KITCHEN FAUCETS: 1.8-GPM @ 60PSI • LAVATORY FAUCETS: 1.2-GPM @ 60PSI
 - SHOWERHEADS: 1.8-GPM

ENERGY STORAGE SYSTEMS 2022 CRC SEC. R328 ENERGY STORAGE SYSTEMS (ESS) SHALL COMPLY WITH THE PROVISIONS OF THIS

- SECTION 2. ENERGY STORAGE SYSTEMS SHALL BE LISTED & LABELED IN ACCORDANCE WITH UL 9540.
- 3. ESS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS # THEIR LISTING. INDIVIDUAL UNITS SHALL BE SEPARATED FROM EACH OTHER BY NOT LESS THAN 3'.
- 4. ESS SHALL BE INSTALLED ONLY IN THE FOLLOWING LOCATIONS: 4.1. DETACHED GARAGES & DETACHED ACCESSORY STRUCTURES. 4.2. ATTACHED GARAGES SEPARATED FROM THE DWELLING UNIT LIVING SPACE IN
- ACCORDANCE WITH SEC. R302.6. 4.3. OUTDOORS OR ON THE EXTERIOR SIDE OF EXTERIOR WALLS LOCATED NOT LESS THAN 3' FROM DOORS & WINDOWS DIRECTLY ENTERING THE DWELLING UNIT. 4.4. ENCLOSED UTILITY CLOSETS, BASEMENTS, STORAGE OR UTILITY SPACES WITHIN DWELLING UNITS THAT HAVE FINISHED OR NON-COMBUSTIBLE WALLS & CEILING. WALLS & CEILINGS SHALL HAVE & TYPE-X GYPSUM BOARD. ESS SHALL NOT BE INSTALLED IN SLEEPING ROOMS, OR CLOSETS OR SPACES OPENING DIRECTLY INTO SLEEPING ROOMS OR IN HABITABLE SPACES OF THE DWELLING.
- 5. INDIVIDUAL ESS UNITS SHALL HAVE A MAX RATING OF 20KWh. THE AGGREGATE RATING OF THE ESS SHALL NOT EXCEED
- 5.1. 40kWh WITHIN UTILITY CLOSETS, BASEMENTS & STORAGE OR UTILITY SPACES 5.2. 80kWh IN ATTACHED OR DETACHED GARAGES & DETACHED ACCESSORY STRUCTURES. 5.3. 80KWh ON EXTERIOR WALLS
- 5.4. 80KWh OUTDOORS ON THE GROUND
- 6. ESS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE. INVERTERS SHALL BE LISTED & LABELED IN ACCORDANCE WITH UL 1741 OR PROVIDED AS PART OF THE UL 9540 LISTING. SYSTEMS CONNECTED TO THE UTILITY GRID SHALL
- USE INVERTERS LISTED FOR UTILITY INTERACTION. 6.4. THEY MAY NOT CONTAIN A SCREW BASE SOCKETS ROOMS & AREAS WITHIN DWELLING UNITS, BASEMENTS & ATTACHED GARAGES IN 6.5. THEY SHALL CONTAIN A JA8 COMPLIANT LIGHT SOURCE WHICH ESS ARE INSTALLED SHALL BE PROTECTED BY SMOKE ALARMS IN OUTDOOR LIGHTING SHALL BE SUITABLE FOR WET LOCATIONS. ACCORDANCE WITH SEC. R314. A HEAT DETECTOR, LISTED & INTERCONNECTED TO THE 8. ALL HIGH EFFICACY LIGHT FIXTURES SHALL BE CERTIFIED AS "HIGH EFFICACY" LIGHT SMOKE ALARMS, SHALL BE INSTALLED IN LOCATIONS WITHIN DWELLING UNITS # FIXTURES BY THE CALIFORNIA ENERGY COMMISSION. ATTACHED GARAGES WHERE SMOKE ALARMS CANNOT BE INSTALLED BASED ON CONTRACTOR SHALL PROVIDE THE HOMEOWNER WITH A LUMINAIRE SCHEDULE GIVING THEIR LISTING. THE LAMPS USED IN THE LUMINAIRES INSTALLED. (CGBSC 10-103(b)) 10. THE NUMBER OF BLANK ELECTRICAL BOXES MORE THAN 5' ABOVE FINISHED FLOOR
- 8. ESS INSTALLED IN A LOCATION SUBJECT TO VEHICLE DAMAGE IN ACCORDANCE WITH SECTION R328.8.1 OR R328.8.2 SHALL BE PROVIDED WITH IMPACT PROTECTION IN ACCORDANCE WITH SECTION R328.8.3.
- 9. INDOOR INSTALLATIONS OF ESS THAT PRODUCE HYDROGEN OR OTHER FLAMMABLE GASES DURING CHARGING SHALL BE PROVIDED WITH MECHANICAL VENTILATION IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODE.
- SMOKE DETECTORS & CARBON MONOXIDE DETECTORS IO. THE TEMPORARY USE OF AN OWNER OR OCCUPANT'S ELECTRIC-POWERED VEHICLE TO 2022 CRC SEC. R314 & R315 POWER A DWELLING UNIT WHILE PARKED IN AN ATTACHED OR DETACHED GARAGE OR CARBON-MONOXIDE ALARMS SHALL BE INSTALLED IN DWELLING UNITS WITH OUTDOOR SHALL COMPLY WITH THE VEHICLE MANUFACTURER'S INSTRUCTIONS & THE CALIFORNIA ELECTRICAL CODE FUEL-BURNING APPLIANCES OR WITH ATTACHED GARAGES (CRC R315) 2. ALL SMOKE DETECTORS & CARBON MONOXIDE DETECTORS WITHIN THE DWELLING UNIT THE FOLLOWING INFORMATION SHALL BE PROVIDED:
- II.I. A COPY OF THE MANUFACTURER'S INSTALLATION, OPERATION, MAINTENANCE \$ DECOMMISSIONING INSTRUCTIONS SHALL BE PROVIDED TO THE OWNER OR PLACED IN A CONSPICUOUS LOCATION NEAR THE ESS EQUIPMENT 11.2. A LABEL ON THE INSTALLED SYSTEM CONTAINING THE CONTACT INFORMATION
- FOR THE QUALIFIED MAINTENANCE & SERVICE PROVIDERS. 12. ESS THAT HAVE THE POTENTIAL TO RELEASE TOXIC OR HIGHLY TOXIC GAS DURING
- CHARGING, DISCHARGING & NORMAL USE CONDITIONS SHALL NOT INSTALLED WITHIN GROUP R-3 OR R-4 OCCUPANCIES. 13. ESS INSTALLED IN LOCATIONS SUBJECT TO VEHICLE DAMAGE SHALL BE PROVIDED
- WITH IMPACT PROTECTION (CRC R328.8)

<u>MECHANICAL</u>

- I. WOOD BURNING APPLIANCES SHALL BE ONE OF THE FOLLOWING: I.I. A PELLET-FUELED WOOD BURNING HEATER. I.2. A U.S. EPA PHASE II CERTIFIED WOOD BURNING HEATER. 1.3. AN APPLIANCE OR FIREPLACE DETERMINED TO MEET THE U.S. EPA PARTICULATE MATTER EMISSION STANDARD OF LESS THAN 7.5 GRAMS/HOUR FOR A NON-CATALYTIC WOOD FIRED APPLIANCE OR 4.1 GRAMS/HOUR FOR A CATALYTIC WOOD FIRED APPLIANCE & IS APPROVED IN WRITING BY THE APCO.
- 2. ALL NEWLY INSTALLED GAS FIREPLACES SHALL BE DIRECT VENT # SEALED-COMBUSTION TYPE. (CMC 912.2)
- 11.6. A 3" GRAVITY DRAIN SHALL BE PROVIDED AT THE LOW POINT 3. ANY INSTALLED WOOD STOVE OR PELLET STOVE SHALL HAVE A PERMANENT NSPS LABEL CERTIFYING EMISSION LIMITS.
 - 4. TOP CHIMNEY MUST EXTEND A MIN OF 2' ABOVE ANY PART OF THE BUILDING WITHIN 10' (CMC 802.5.4)
 - 5. FIREPLACES SHALL HAVE CLOSABLE METAL OR GLASS DOORS, HAVE COMBUSTION AIR INTAKE DRAWN FROM THE OUTSIDE & HAVE A READILY ACCESSIBLE FLUE DAMPENER CONTROL. CONTINUOUS BURNING PILOT LIGHTS ARE PROHIBITED. (CEC 150.0(E))
 - PROVIDE COMBUSTION AIR FOR ALL GAS FIRED APPLIANCES PER CMC CHAPTER 7. GAS VENTS PASSING THROUGH AN INSULATED ASSEMBLY SHALL HAVE A METAL INSULATION SHIELD A MIN 2" ABOVE INSULATION. (509.6.2.7)

 - 8. GAS WATER HEATER & FURNACE ARE NOT ALLOWED IN AREAS OPENING INTO BATHROOMS, CLOSETS OR BEDROOMS UNLESS INSTALLED IN A CLOSET EQUIPPED WITH A LISTED GASKETED DOOR ASSEMBLY & A LISTED SELF-CLOSING DEVICE WITH ALL COMBUSTION AIR OBTAINED FROM THE OUTDOORS. (CPC 504)
 - 9. ROOF TOP EQUIPMENT ON ROOFS WITH OVER 4/12 SLOPE SHALL HAVE A LEVEL 30"x30" WORKING PLATFORM. (CMC 304.2) IO. EXHAUST OPENINGS TERMINATING TO THE OUTDOORS SHALL BE COVERED WITH A CORROSION RESISTANT SCREEN $\frac{1}{4}$ "- $\frac{1}{5}$ " IN OPENING SIZE (NOT REQUIRED FOR CLOTHES
 - DRYERS). (CMC 502.1) VENT DRYER TO OUTSIDE OF BUILDING (NOT TO UNDER-FLOOR AREA). VENT LENGTH SHALL BE 14' MAX SHALL TERMINATE A MIN OF 3' FROM THE PROPERTY LINE & ANY
 - OPENING INTO THE BUILDING. (CMC 504.4.2) 12. ENVIRONMENTAL AIR DUCTS SHALL NOT TERMINATE LESS THAN 3' TO A PROPERTY LINE, 10' TO A FORCED AIR INLET, 3' TO OPENINGS INTO THE BUILDING & SHALL NOT
 - DISCHARGE ON TO A PUBLIC WAY. (CMC 502.2.1) 13. PROVIDE MIN 100IN² MAKE-UP AIR FOR CLOTHES DRYERS INSTALLED IN CLOSETS. (CMC 504.4.1(1))
 - 14. HEATING SYSTEM IS REQUIRED TO MAINTAIN 68° AT 3' ABOVE FLOOR LEVEL \$ 2' FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS. (CRC R303.9)
 - 15. BATHROOM FAN SHALL BE MIN VENTILATION RATE OF 50CFM FOR INTERMITTENT OR 25CFM FOR CONTINUOUS VENTILATION. 15.1. FAN SHALL BE 3 SONE OR LESS & INSTALLED PER MANUFACTURES SPECE 15.2. MIN 4" DUCT SHALL VENT TO OUTSIDE & SHALL BE AIR TIGHT WITH CAULKING & GASKET.
 - 15.3. FAN IN BATHROOMS CONTAINING TUB OR SHOWER MUST BE CONTROLLED BY A HUMIDISTAT & BE ENERGY STAR RATED. IF FAN PROVIDES CONTINUOUS VENTILATION BY THE ENERGY CODE IS EXEMPT 16. CALIFORNIA ENERGY COMMISSION STANDARDS SECTION 150(K) REQUIREMENTS FOR
 - INDOOR AIR QUALITY VENTILATION. 16.1. BATHROOM EXHAUST FAN TO BE USED TO PROVIDE THE WHOLE BUILDING VENTILATION FAN & PROVIDE THE FOLLOWING: 16.1.1. THE BATHROOM EXHAUST FAN MUST HAVE A MIN CFM RATING OF 75-CFM
 - 16.1.2. THE BATHROOM EXHAUST FAN IS RATED AT A MAX OF 1.0 SONE. 16.1.3. THE CONTROL SWITCH MUST BE LABELED AS THE WHOLE HOUSE VENTILATION & FAN SHOULD OPERATE WHENEVER THE HOME IS OCCUPIED.

- LIGHTING NOTES
- ALL LIGHTING TO BE HIGH EFFICACY. 2. LIGHTING IN HABITABLE SPACES, (LIVING ROOMS, DINING ROOMS, KITCHEN \$
- BEDROOMS) SHALL HAVE READILY ACCESSIBLE WALL-MOUNTED DIMMING CONTROLS. FIXTURES, LAMP HOLDER & RECEPTACLES OUTLETS SHALL BE SECURELY SUPPORTED. A FIXTURE THAT WEIGHS MORE THAN 6LBS OR EXCEEDS 16" IN ANY DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMP HOLDER. CEC ART. 410.30(a). OUTLET BOXES SHALL NOT BE USED AS THE SOLE SUPPORT FOR CEILING (PADDLE) FAN. 2022 CEC ART. 314-27(A)&(D)
- 4. ALL LIGHTING IN (BATHROOM, UTILITY ROOM, LAUNDRY ROOM, WALK IN CLOSETS \$ GARAGES) TO BE MANUAL ON, AUTOMATIC OFF, OCCUPANT SENSOR. (VACANCY SENSOR)
- OUTDOOR LIGHTING ATTACHED TO THE BUILDING TO BE HIGH EFFICACY, CONTROLLED BY A MANUAL ON & OFF SWITCH & ONE OF THE FOLLOWING AUTOMATIC CONTROLS 5.1. PHOTO CONTROL & MOTION SENSOR.
- 5.2. PHOTO CONTROL & AUTOMATIC TIME SWITCH CONTROOL
- 5.3. ASTRONOMICAL TIME CLOCK CONTROL THAT AUTOMATICALLY TURNS THE OUTDOOR LIGHT OFF DURING DAYLIGHT HOURS. 5.4. EMCS THAT PROVIDES THE FUNCTIONALITY OF AN ASTRONOMICAL TIME CLOCK,
- DOES NOT HAVE AN OVERRIDE OR BYPASS SWITCH THAT ALLOWS THE LUMINARIES TO BE ALWAYS ON, # IS PROGRAMMED TO AUTOMATICALLY TURN THE OUTDOOR LIGHTING OFF DURING DAYLIGHT HOURS.
- 6. LUMINARIES RECESSED IN INSULATED CEILINGS MUST MEET FIVE REQUIREMENTS (CALIFORNIA ENERGY CODE 150.0(K)IC):
- 6.1. THEY MUST BE RATED FOR DIRECT INSULATION CONTACT (IC) 6.2. THEY MUST BE CERTIFIED AS AIRTIGHT (AT) CONSTRUCTION.
- 6.3. THEY MUST HAVE A SEALED GASKET OR CAULKING BETWEEN THE HOUSING \$
- CEILING TO PREVENT FLOW OF HEATED OR COOLED AIR OUT OF LIVING AREAS \$ INTO THE CEILING CAVITY.

- SHALL NOT BE GREATER THAN THE NUMBER OF BEDROOMS. THESE ELECTRICAL BOXES MUST BE SERVED BY A DIMMER, VACANCY SENSOR, OR FAN SPEED CONTROL (CEC | 5O(k) | B)

- ARE TO BE INTERCONNECTED. 3. ALL DWELLING UNITS MUST HAVE SMOKE DETECTORS ON THE WALL OR CEILING
- OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF BEDROOMS & IN EACH ROOM USED FOR SLEEPING PURPOSES
- 4. IN THE HALLWAY & IN THE ROOM OPEN TO THE HALLWAY WHERE THE CEILING HEIGHT OF ROOM OPENING TO HALLWAY SERVING BEDROOMS EXCEEDS THAT OF THE HALLWAY BY 24" OR MORE
- ONE EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS.
- CARBON MONOXIDE DETECTORS MAY BE COMBINATION SMOKE/CARBON MONOXIDE DETECTORS.
- 1. INTERCONNECTION. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING OR SLEEPING UNIT, THE SMOKE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED.
- 8. POWER SOURCE. SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING PROVIDED THAT SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE & SHALL BE EQUIPPED WITH A BATTERY BACKUP. SMOKE ALARMS WITH INTEGRAL STROBES THAT ARE NOT EQUIPPED WITH BATTERY BACKUP SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM. SMOKE ALARMS SHALL EMIT SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT & WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVERCURRENT PROTECTION
- SMOKE ALARMS OR SMOKE DETECTORS SHALL BE INSTALLED A MIN OF 20' HORIZONTAL DISTANCE FROM A PERMANENTLY INSTALLED COOKING APPLIANCE EXCEPTION: IONIZATION SMOKE ALARMS WITH AN ALARM-SILENCING SWITCH OR PHOTOELECTRIC SMOKE ALARMS SHALL BE PERMITTED TO BE INSTALLED IO' OR GREATER FROM A PERMANENTLY INSTALLED COOKING APPLIANCE. PHOTOELECTRIC SMOKE ALARMS SHALL BE PERMITTED TO BE INSTALLED GREATER THAN 6' FROM A PERMANENTLY INSTALLED COOKING APPLIANCE WHERE THE KITCHEN OR COOKING AREA & ADJACENT SPACES HAVE NO CLEAR INTERIOR PARTITIONS & THE IO' DISTANCES WOULD PROHIBIT THE PLACEMENT OF SMOKE ALARM OR SMOKE DETECTOR REQUIRED BY OTHER SECTIONS OF THE CODE. SMOKE ALARMS LISTED FOR USE IN CLOSE PROXIMITY TO A PERMANENTLY INSTALLED COOKING APPLIANCE. [R314.3.3] [NFPA72 SECTION 29.8.3.4]

	General Notes
	JACKSON AND SANDS
	ENGINEERING HAS PROVIDED
	THESE PLANS SOLELY FOR THE USE WITHIN YUBA COUNTY & DOES
	NOT GIVE PERMISSION FOR USE OUTSIDE OF THIS AREA.
	REVIEWED FOR
	CODE COMPLIANCE - BD
	04/17/2023
	YUBA COUNTY BUILDING INSPECTION DIVISION
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OU ASSUME ALL RESPONSIBILITY AND RISK FOR YOUR USE OF THE PLANS ARE PROVIDED "AS IS" WITHOUT REPRESENTATIONS OR WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED,	
NCLUDING WARRANTIES OF TITLE, NON-INFRINGEMENT, OR MPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITATION OF THE FOREGOING,	Project Sheet
OU AGREE THAT IT IS YOUR RESPONSIBILITY TO ENSURE, PRIOR TO USE OF ANY PLANS, THAT SUCH PLANS ARE ACCURATE, SUITABLE FOR YOUR PURPOSES AND COMPLIANT	23-MOOI
NITH ALL APPLICABLE LAWS. BY USING THESE PLANS YOU AGREE TO DEFEND (WITH COUNSEL OF CITY'S CHOOSING), NDEMNIFY AND HOLD CITY, EMPLOYEES, VOLUNTEERS, AGENTS,	J/17/23
ND THE DESIGN PROFESSIONAL WHO PREPARED THESE CONSTRUCTION DOCUMENTS, FREE AND HARMLESS FROM ANY ND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, COSTS,	Scale AS NOTED
XPENSES, LIABILITY, LOSS, DAMAGE OR INJURY OF ANY KIND, N LAW OR EQUITY, TO PROPERTY OR PERSONS, INCLUDING NRONGFUL DEATH, IN ANY MANNER ARISING OUT OF, PERTAINING	

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE RESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023) eption: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is

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<text></text>				301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code,				whole number. A parking space served by ele- space shall count as at least one standard aut applicable minimum parking space requirement
<text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text>				301.1.1 Additions and alterations. [HCD] The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the addition or alteration increases the				The number of dwelling units, sleeping units o
<text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text>				specific area of the addition or alteration. The mandatory provision of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section				1.EV Capable. Ten (10) percent of the t of parking facilities, shall be electric veh EVSE. Electrical load calculations shall system, including any on-site distribution
<form> And a standard of the standard o</form>				Note: Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing				The service panel or subpanel circuit di
<form> a) 12 1.1 CHARGE AND HIGH-HEE EXCENTION LEUDIONES. [CD7] INTRA-OPTICATION CONTRACT AND ADD ADD ADD ADD ADD ADD ADD ADD ADD</form>				improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and				Exceptions: 1.When EV chargers (Level 2 EVSE) of EV capable spaces.
<form> SECTION 322 MILED OCCUPANCY BUILDNES Market and the section of the secti</form>				individual sections of CALGreen may apply to either low-rise residential buildings high-rise residential buildings, or both. Individual sections will be designated by banners to indicate where the section applies specifically to low-rise only (LR) or high-rise only (HR). When the section applies to both low-rise and				spaces, the number of EV capabl EV chargers installed. Notes: a.Construction documents are intend
<form> 30.1 MIXED CORPANY OF UNLINESS. In muse decaders that represent the same of the</form>				SECTION 302 MIXED OCCUPANCY BUILDINGS				b.There is no requirement for EV spa
<form> All and a start of a start of star</form>				shall comply with the specific green building measures applicable to each specific occupancy.				2.EV Ready . Twenty-five (25) percent of Level 2 EV charging receptacles. For m
<form> Alternative data and a reader of a second production. Leader by the second production of a second production. The second production of a second production of a second production. The second production of a second production of a second production. The second production of a second production of a second production. The second production of a second production of a second production of a second production. The second production of a second produc</form>				1. [HCD] Accessory structures and accessory occupancies serving residential buildings shall comply with Chapter 4 and Appendix A4, as applicable.				dwelling unit when more than one parkin Exception: Areas of parking facilities ser
NERREWING DEFINITION DEFINITION Provide the the developer of the the developer of the the developer of the the developer of the de				<i>Building Code</i> , shall not be considered mixed occupancies. Live/Work units shall comply with Chapter 4 and Appendix A4, as applicable.				
<form> In the second during the durin</form>				ABBREVIATION DEFINITIONS:				this section.
<form> And Actions and Addinguidance in the second se</form>				BSC California Building Standards Commission DSA-SS Division of the State Architect, Structural Safety OSHPD Office of Statewide Health Planning and Development LR Low Rise				of parking facilities, shall be electric veh EVSE. Electrical load calculations shall system, including any on-site distributio EVs at all required EV spaces at a minir
<form> RESIDENTIAL MANDACORY MEASURES Provide the second prov</form>				AA Additions and Alterations				The service panel or subpanel circuit di for future EV charging purposes as "EV
1.42.1 DEFINITION 1. In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here for relations) 1.1 In the standard manual chapmar 2 (and an included here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an included here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an included here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an include here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an include here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an include here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an include here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an include here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an include here in the standard for relations) 1.1 In the standard manual chapmar 2 (and an include here in the standard for relations) 1.1 In the standa								Exception: When EV chargers (Leve parking spaces required by Section 4 reduced by a number equal to the nu Notes:
 PERCENT model: Lab set of the state and set of the se				4.102.1 DEFINITIONS				a.Construction documents shall show
 WATTLEE. What is an used to ranker address and more than and part manufal does not provide the same state of perturber and integet control on a door flow same state of the same state of the control on the same state of the same state				FRENCH DRAIN. A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar				EV chargers are installed for use.
 and to primite and relations and the commutation of the control of the				WATTLES. Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials				Level 2 EV charging receptacles. For m dwelling unit when more than one parking
 4.166.2 STORE WATE DEALWAGE AUD RETENTION DURING CONSTRUCTION. Project which disturb loss of more more stable manage stable in discense which disturb loss of more more water distance of the stable integer more water distance of the stable integer more more stable integer more stable inte				 used for perimeter and inlet controls. 4.106 SITE DEVELOPMENT 4.106.1 GENERAL. Preservation and use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, 				Exception: Areas of parking facilities 3.EV Chargers. Five (5) percent of the Where common use parking is provided area and shall be available for use by a
 Retirnition basis of sufficient size shall be dilized to retain storm water on the site. Where storm water is conveyed to a public dimale system, will be originated the analysis of the store and the	-			4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent				When low power Level 2 EV charging re an automatic load management system capacity to each space served by the A shall have sufficient capacity to deliver a served by the ALMS. The branch circuit have a capacity of not less than 30 amp
Image: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in table disturbs one acre or more of soil. Image: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in table disturbs one acre or more of soil. Image: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil. Image: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil. Image: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil. Image: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil. Image: Refer to the State Water Resources Control Board for projects which keep soil acress of methods to manage sufficiences which keep suffice water area of soil and soil acress of methods to manage suffice. Image: Refer to the State Control Refer to the				Where storm water is conveyed to a public drainage system, collection point, gutter or similar disposal method, water shall be filtered by use of a barrier system, wattle or other method approved by the enforcing agency.				4.106.4.2.2.1 Electric vehicle charging st Electric vehicle charging stations required b
 Cive State State				Note: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or				shall not be required to comply with this s
 anage all surface water flows to keep water from enting buildings. Examples of methods to manage surface water mude, but are not timuled to, the following: Service Service visition during service Service visition Service visition								4.106.4.2.2.1.1 Location. EVCS shall comply with at least one of the
 1. Swales A swales Water collection and disposal systems French drains French drains Water relation gardens Other water measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations not altering the drainage path. 4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Sections 4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Sections 4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Sections 1. On a case-by-case basis, where the local enforcing agency hus determined EV charging and infraetructure are not feasible based upon one or more of the following conditions: 1. Where there is no local ultify power supply of the local ultify soure supply adequate parking facilities. 4.106.4.1 New one- and two-family dwelings and townhouses wit				manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface				1. The charging space shall be located the California Building Code, Chapter
 Water retention gardens Water retention gardens Chrew vater measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations not altering the drainage path. 4.106.4.1 or 4.108.4.2 to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the California Electrical Code, Article C25. Exceptions: On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions:				2. Water collection and disposal systems				Chapter 2, to the building.
 Exception: Additions and alterations not altering the drainage path. 4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Sections 4.106.4.1 or 4.106.4.2 to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the California Electrical Code, Article 625. Exceptions: On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions: 				5. Other water measures which keep surface water away from buildings and aid in groundwater				Building Code, Chapter 11B, are not re 4.106.4.2.2.1.2, Item 3.
 4.106.4.1 or 4.106.4.2 to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the <i>California Electrical Code</i>, Article 625. Exceptions: On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions: 								The charging spaces shall be designed to
 1. On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions: 1. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility instantucture design requirements, directly related to the implementation of Section 4.106.4.1 New one- and two-family dwellings and townhouses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosed, inaccessible or concleade areas and spaces. The service panel and/or subpanel shall provide capacity to installe a do-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit vercurrent protective device. Exemption: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the <i>California Electrical Code</i>. A.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protextive device pase(s) reserved to permit installed. The raceway termination location shall be permanently and visibly marked as "EV CAPABLE". The raceway termination location of an EV charger at the time of original construction in accordance with the <i>California Electrical Code</i>. A.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurr				4.106.4.1 or 4.106.4.2 to facilitate future installation and use of EV chargers. Electric vehicle supply				1.The minimum length of each EV space 2.The minimum width of each EV space s
 1.2 Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 4.106.4, may adversely impact the construction cost of the project. 2. Accessory Dwelling Units (ADU) and Junior Accessory Dwelling Units (JADU) without additional parking facilities. 4.106.4.1 New one- and two-family dwellings and townhouses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are quired to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt to the required of a minimum 40-ampere 208/240-volt dedicated Drive acpacity to install a 40-ampere 208/240-volt to the cost or other proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt to the location or an EV charger at the time of original construction in accordance with the California Electrical Code. Exemption: A raceway is not required to a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the Califorabile Code. 4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location of installed or future EV spaces, required. Construction in accordance with the				 On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions: 				
 2. Accessory Dwelling Units (ADU) and Junior Accessory Dwelling Units (JADU) without additional parking facilities. a. A.106.4.1 New one- and two-family dwellings and townhouses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a decicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit is installed in close proximity to the location or the proposed location of an EV charger at the time of original construction in accordance with the <i>California Electrical Code</i>. 4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE". The raceway termination location on amperage of installed or future EV spaces. rainited or future EV spaces. Paule accurations. Plan design st raceway as and related components that are accurated or future EV spaces. 				1.2 Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section				percent slope) in any direction.
 4.106.4.1 New one- and two-family dwellings and townhouses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the <i>California Electrical Code</i>. 4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location or hand usibly marked as "EV CAPABLE". 4.106.4.1.1 Identification. Plan design structure is and visibly marked as "EV CAPABLE". 				2. Accessory Dwelling Units (ADU) and Junior Accessory Dwelling Units (JADU) without additional				In addition to the requirements in Sections comply with the accessibility provisions for spaces and EVCS in multifamily development
 proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the <i>California Electrical Code</i>. 4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE". 				dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway				4.106.4.2.3 EV space requirements. 1.Single EV space required. Install a listed
Exemption: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the proposed location of an EV charger at the time of original construction in accordance with the <i>California Electrical Code</i> . 4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".				proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit				circuit. The raceway shall not be less than originate at the main service or subpanel a proximity to the location or the proposed lo raceway termination point, receptacle or ch have a 40-ampere minimum dedicated bran
4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".				installed in close proximity to the proposed location of an EV charger at the time of original construction in				Exception: A raceway is not required if a line installed in close proximity to the location
information on amperage of installed or fu electrical load calculations. Plan design sh raceways and related components that are				protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination				construction in accordance with the Califo 2.Multiple EV spaces required. Constructio
DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE						CP	ENI DI	information on amperage of installed or futu electrical load calculations. Plan design sha raceways and related components that are concealed areas and spaces shall be instal

2 New multifamily dwellings, hotels and parking is provided, parking spaces for nev nents of Sections 4.106.4.2.1 and 4.106.4. number. A parking space served by electri hall count as at least one standard autom ble minimum parking space requirements er details.

2.1Multifamily development projects w sleeping units or quest rooms. mber of dwelling units, sleeping units or gue

.EV Capable. Ten (10) percent of the total f parking facilities, shall be electric vehicle VSE. Electrical load calculations shall den stem, including any on-site distribution tr Vs at all required EV spaces at a minimum

he service panel or subpanel circuit directo or future EV charging purposes as "EV CAI Exceptions:

1.When EV chargers (Level 2 EVSE) are of EV capable spaces.

2.When EV chargers (Level 2 EVSE) and spaces, the number of EV capable s EV chargers installed.

a.Construction documents are intended future EV charging.

b.There is no requirement for EV spaces EV chargers are installed for use.

.EV Ready. Twenty-five (25) percent of th evel 2 EV charging receptacles. For multifa welling unit when more than one parking s

xception: Areas of parking facilities served

.2.2 Multifamily development projects w g units or guest rooms. nber of dwelling units, sleeping units or gu

.EV Capable. Ten (10) percent of the total parking facilities, shall be electric vehicle VSE. Electrical load calculations shall den stem, including any on-site distribution tra Vs at all required EV spaces at a minimum

he service panel or subpanel circuit directo or future EV charging purposes as "EV CAI

Exception: When EV chargers (Level 2 parking spaces required by Section 4.1 reduced by a number equal to the numb Notes:

a.Construction documents shall show lo b.There is no requirement for EV spaces

.EV Ready. Twenty-five (25) percent of the evel 2 EV charging receptacles. For multif welling unit when more than one parking

Exception: Areas of parking facilities ser

.EV Chargers. Five (5) percent of the total /here common use parking is provided, at rea and shall be available for use by all res

When low power Level 2 EV charging recept n automatic load management system (AL apacity to each space served by the ALMS nall have sufficient capacity to deliver at lea erved by the ALMS. The branch circuit sha ave a capacity of not less than 30 amperes apacity to the required EV capable spaces

6.4.2.2.1 Electric vehicle charging statio tric vehicle charging stations required by S

ception: Electric vehicle charging stations all not be required to comply with this section uirements

6.4.2.2.1.1 Location. S shall comply with at least one of the follo

1. The charging space shall be located adja the California Building Code, Chapter 11A

2. The charging space shall be located on a Chapter 2, to the building.

Exception: Electric vehicle charging statio Building Code, Chapter 11B, are not requir 4.106.4.2.2.1.2, Item 3.

6.4.2.2.1.2 Electric vehicle charging stati e charging spaces shall be designed to cor

he minimum length of each EV space shal

The minimum width of each EV space shall One in every 25 charging spaces, but not le isle. A 5-foot (1524 mm) wide minimum aisle feet (3658 mm).

urface slope for this EV space and the aisle cent slope) in any direction.

6.4.2.2.1.3 Accessible EV spaces. dition to the requirements in Sections 4.1 ply with the accessibility provisions for EV es and EVCS in multifamily developments

6.4.2.3 EV space requirements. gle EV space required. Install a listed race it. The raceway shall not be less than trad

nate at the main service or subpanel and imity to the location or the proposed locat way termination point, receptacle or charg e a 40-ampere minimum dedicated branch lled, or space(s) reserved to permit installa

ception: A raceway is not required if a minin talled in close proximity to the location or t nstruction in accordance with the California

Itiple EV spaces required. Construction do ion of installed or future EV spaces, recep mation on amperage of installed or future rical load calculations. Plan design shall b ways and related components that are pla ealed areas and spaces shall be installed

	Y N/A RESPON. PARTY	installed in close proximity to the location or the providence with the California El		f original Y	N/A RESPON. PARTY	
d motels and new residential parking facilities. / multifamily dwellings, hotels and motels shall meet the .2.2. Calculations for spaces shall be rounded up to the nearest		4.106.4.2.4 Identification.	ntife, the average mant must ative day in a second			4.304 OUTDOOR WA 4.304.1 OUTDOOR POTABLE
c vehicle supply equipment or designed as a future EV charging bile parking space only for the purpose of complying with any		The service panel or subpanel circuit directory shall ide future EV charging purposes as "EV CAPABLE" in acce		reserved for		a local water efficient landscap Efficient Landscape Ordinance
established by a local jurisdiction. See Vehicle Code Section 22511.2		4.106.4.2.5 Electric Vehicle Ready Space Signage . Electric vehicle ready spaces shall be identified by sign	age or pavement markings, in compliance with	Caltrans		NOTES:
ith less than 20 dwelling units; and hotels and motels with less		Traffic Operations Policy Directive 13-01 (Zero Emissic successor(s).				1. The Model Water Effi Title 23, Chapter 2.7,
est rooms shall be based on all buildings on a project site subject to		4.106.4.3 Electric vehicle charging for additions and al	terations of parking facilities serving existir	g		available at: https://w
		multifamily buildings. When new parking facilities are added, or electrical sys	tems or lighting of existing parking facilities are	added or		DIVISION 4.4 M
I number of parking spaces on a building site, provided for all types charging spaces (EV spaces) capable of supporting future Level 2		altered and the work requires a building permit, ten (10 altered shall be electric vehicle charging spaces (EV sp				EFFICIENCY
nonstrate that the electrical panel service capacity and electrical ansformer(s), have sufficient capacity to simultaneously charge all n of 40 amperes.		Notes:				4.406 ENHANCED DU 4.406.1 RODENT PROOFING
ory shall identify the overcurrent protective device space(s) reserved		1.Construction documents are intended to demonstra EV charging.	te the project's capability and capacity for facilit			sole/bottom plates at ext openings with cement m
PÁBLE" in accordance with the California Electrical Code.		2. There is no requirement for EV spaces to be constr	ucted or available until EV chargers are installe	d for use.		agency. 4.408 CONSTRUCTIO
		DIVISION 4.2 ENERGY EFFICI	Ŭ			4.408 CONSTRUCTION WA 4.408.1 CONSTRUCTION WA percent of the non-hazar
e installed in a number equal to or greater than the required number		4.201 GENERAL 4.201.1 SCOPE. For the purposes of mandatory energy	officiency standards in this code, the California	Eporgy		4.408.2, 4.408.3 or 4.40 management ordinance.
e installed in a number less than the required number of EV capable paces required may be reduced by a number equal to the number of		Commission will continue to adopt mandatory standa		Lifergy		Exceptions:
		DIVISION 4.3 WATER EFFICIEI	NCY AND CONSERVATION	J		1. Excavated soil and la
		4.303 INDOOR WATER USE 4.303.1 WATER CONSERVING PLUMBING FIXTURES	AND FITTINGS Plumbing fixtures (water close	ts and		 Alternate waste redu recycle facilities capa close to the jobsite.
to demonstrate the project's capability and capacity for facilitating		urinals) and fittings (faucets and showerheads) shal and 4.303.4.4.				 The enforcing agencies in the possible. The enforcing agencies are located
s to be constructed or available until receptacles for EV charging or		Note: All noncompliant plumbing fixtures in any resi				4.408.2 CONSTRUCTION WA
e total number of parking spaces shall be equipped with low power		completion, certificate of occupancy, or final p	ent is required prior to issuance of a certificate opermit approval by the local building departmen	. See Civil		in conformance with Iten necessary and shall be a
amily parking facilities, no more than one receptacle is required per space is provided for use by a single dwelling unit.		Code Section 1101.1, et seq., for the definition buildings affected and other important enacting	n of a noncompliant plumbing fixture, types of r nent dates.	esidential		1. Identify the construct
by parking lifts.		4.303.1.1 Water Closets. The effective flush volur flush. Tank-type water closets shall be certified to the state of the				reuse on the project 2. Specify if construction bulk mixed (single st
vith 20 or more dwelling units, hotels and motels with 20 or more		Specification for Tank-type Toilets.				 Identify diversion fac taken.
est rooms shall be based on all buildings on a project site subject to		Note : The effective flush volume of dual flush of two reduced flushes and one full flush.	n toilets is defined as the composite, average fl	ish volume		4. Identify construction generated.
I number of parking spaces on a building site, provided for all types		4.303.1.2 Urinals. The effective flush volume of wa		ns per flush.		Špecify that the amo by weight or volume.
charging spaces (EV spaces) capable of supporting future Level 2 nonstrate that the electrical panel service capacity and electrical		The effective flush volume of all other urinals shall r	ot exceed 0.5 gallons per flush.			4.408.3 WASTE MANAGEME
ansformer(s), have sufficient capacity to simultaneously charge all not 40 amperes.		4.303.1.3 Showerheads.	ads shall have a maximum flow rate of not mor	o than 1.9		enforcing agency, which demolition waste materia
ory shall identify the overcurrent protective device space(s) reserved			hall be certified to the performance criteria of the			Note: The owner or con materials will be diverted
PABLE" in accordance with the California Electrical Code. EVSE) are installed in a number greater than five (5) percent of		·	one shower. When a shower is served by mor	e than one		4.408.4 WASTE STREAM RE
6.4.2.2, Item 3, the number of EV capable spaces required may be er of EV chargers installed over the five (5) percent required.		a single valve shall not exceed 1.8 gallons pe	e showerheads and/or other shower outlets con r minute at 80 psi, or the shower shall be desig	rolled by		weight of construction ar lbs./sq.ft. of the building
		allow one shower outlet to be in operation at a				Section 4.408.1
cations of future EV spaces.		Note: A hand-held shower shall be con 4.303.1.4 Faucets.	isidered a snowernead.			4.408.4.1 WASTE STR weight of construction ar
s to be constructed or available until receptacles for EV charging or			The maximum flow rate of residential lavatory	aucets shall		per square foot of the burner requirement in Section 4
			The minimum flow rate of residential lavatory fa			4.408.5 DOCUMENTATION. I compliance with Section
e total number of parking spaces shall be equipped with low power amily parking facilities, no more than one receptacle is required per space is provided for use by a single dwelling unit.			and Public Use Areas. The maximum flow rat			Notes:
ved by parking lifts.		faucets installed in common and public use a buildings shall not exceed 0.5 gallons per mir	reas (outside of dwellings or sleeping units) in r iute at 60 psi.	esidential		1. Sample forms
I number of parking spaces shall be equipped with Level 2 EVSE.		4.303.1.4.3 Metering Faucets. Metering faumer than 0.2 gallons per cycle.	icets when installed in residential buildings sha	l not deliver		(Residential)" documenting (Missid exection
least one EV charger shall be located in the common use parking sidents or guests.		- · ·	n flow rate of kitchen faucets shall not exceed 1	.8 gallons		2. Mixed constru Department of
otacles or Level 2 EVSE are installed beyond the minimum required, .MS) may be used to reduce the maximum required electrical		to exceed 2.2 gallons per minute at 60 psi, ar	nporarily increase the flow above the maximum id must default to a maximum flow rate of 1.8 g			4.410 BUILDING MAIN 4.410.1 OPERATION AND MA
5. The electrical system and any on-site distribution transformers ast 3.3 kW simultaneously to each EV charging station (EVCS)		minute at 60 psi.	his constant or other means may be used to a	hiava		disc, web-based referen following shall be placed
all have a minimum capacity of 40 amperes, and installed EVSE shall s. ALMS shall not be used to reduce the minimum required electrical		reduction.	ble, aerators or other means may be used to ac	, neve		 Directions to the own life cycle of the struc
). 		4.303.1.4.5 Pre-rinse spray valves. When installed, shall meet the requirements i	n the California Code of Regulations, Title 20 (/	Appliance		2. Operation and maint a. Equipment an
ons (EVCS). Section 4.106.4.2.2, Item 3, shall comply with Section 4.106.4.2.2.1.		Efficiency Regulations), Sections 1605.1 (h)(4 (d)(7) and shall be equipped with an integral a	I) Table H-2, Section 1605.3 (h)(4)(A), and Sec automatic shutoff.	tion 1607		photovoltaic s appliances an
serving public accommodations, public housing, motels and hotels ion. See California Building Code, Chapter 11B, for applicable			e and code section have been reprinted from th			 b. Roof and yard c. Space condition
		1605.3 (h)(4)(A).	iency Regulations),Section 1605.1 (h)(4) and S	ecuon		d. Landscape irri e. Water reuse s 3. Information from loca
owing options:		TABLE H-2				resource consumption 4. Public transportation
acent to an accessible parking space meeting the requirements of A, to allow use of the EV charger from the accessible parking space.						5. Educational material and what methods a
an accessible route, as defined in the California Building Code,		STANDARDS FOR COMMERCI VALUES MANUFACTURED ON	OR AFTER JANUARY 28, 2019			6. Information about wa water.
		PRODUCT CLASS				 Instructions for main feet away from the for 8. Information on require
ns designed and constructed in compliance with the California ired to comply with Section 4.106.4.2.2.1.1 and Section		[spray force in ounce force (ozf)]	MAXIMUM FLOW RATE (gpm)			painting, grading aro 9. Information about sta
tions (EVCS) dimensions.		Product Class 1 (≤ 5.0 ozf)	1.00			10. A copy of all special 11. Information from the
mply with the following:		Product Class 2 (> 5.0 ozf and \leq 8.0 ozf) Product Class 3 (> 8.0 ozf)	1.20			space around resid 12. Information and/or d
II be 18 feet (5486 mm).			I prerinse spray values manufactured on or afte	r January		4.410.2 RECYCLING BY OCC building site, provide readily ac
l be 9 feet (2743 mm). ess than one, shall also have an 8-foot (2438 mm) wide minimum			not less than 4.0 ounces-force (ozf)[113 grams			depositing, storage and collect corrugated cardboard, glass, p
e shall be permitted provided the minimum width of the EV space is		4.303.2 Submeters for multifamily buildings and dwelli buildings. Submeters shall be installed to measure water usage	•			ordinance, if more restrictive.
sle shall not exceed 1 unit vertical in 48 units horizontal (2.083		California Plumbing Code.	e of individual remai dwelling units in accordan			Exception: Rural jurisdie 42649.82 (a this section
		4.303.3 Standards for plumbing fixtures and fittings. F accordance with the <i>California Plumbing Code</i> , and shall r				
06.4.2.2.1.1 and 4.106.4.2.2.1.2, all EVSE, when installed, shall chargers in the California Building Code, Chapter 11B. EV ready		1701.1 of the California Plumbing Code.				DIVISION 4.5 EI
s shall comply with California Building Code, Chapter 11A, Section		NOTE: THIS TABLE COMPILES THE DATA IN SECTION	4.303.1, AND IS INCLUDED AS A			SECTION 4.501 GEN 4.501.1 Scope
		CONVENIENCE FOR THE USER.	USE			The provisions of this chapter s irritating and/or harmful to the c
eway capable of accommodating a 208/240-volt dedicated branch le size 1 (nominal 1-inch inside diameter). The raceway shall shall terminate into a listed cabinet, box or enclosure in close		FIXTURE TYPE	FLOW RATE			SECTION 4.502 DEFI
on of the EV space. Construction documents shall identify the er location, as applicable. The service panel and/ or subpanel shall		SHOWER HEADS (RESIDENTIAL)	1.8 GMP @ 80 PSI			5.102.1 DEFINITIONS The following terms are defined
circuit, including branch circuit overcurrent protective device ation of a branch circuit overcurrent protective device.		LAVATORY FAUCETS (RESIDENTIAL)	MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM	@ 20		AGRIFIBER PRODUCTS. Agr cores, not including furniture, fi
imum 40-ampere 208/240-volt dedicated EV branch circuit is he proposed location of the EV space, at the time of original		LAVATORY FAUCETS IN COMMON & PUBLIC	0.5 GPM @ 60 PSI			COMPOSITE WOOD PRODU
a Electrical Code.		USE AREAS KITCHEN FAUCETS	1.8 GPM @ 60 PSI			medium density fiberboard. "Co structural panels, structural cor
ocuments shall indicate the raceway termination point and the tacles or EV chargers. Construction documents shall also provide		METERING FAUCETS	0.2 GAL/CYCLE			wood I-joists or finger-jointed Iu 93120.1.
receptacles or EVSE, raceway method(s), wiring schematics and e based upon a 40-ampere minimum branch circuit. Required		WATER CLOSET	1.28 GAL/FLUSH			DIRECT-VENT APPLIANCE. A combustion from the outside at
nned to be installed underground, enclosed, inaccessible or in at the time of original construction.		URINALS	0.125 GAL/FLUSH			

N/A RESPON. PARTY

YES NOT APPLICABLE RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

DOOR WATER USE

DOOR POTABLE WATER USE IN LANDSCAPE AREAS. Residential developments shall comply with efficient landscape ordinance or the current California Department of Water Resources' Model Water scape Ordinance (MWELO), whichever is more stringent.

Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code Regulations, e 23, Chapter 2.7, Division 2. MWELO and supporting documents, including water budget calculator, are ilable at: https://www.water.ca.gov/

IN 4.4 MATERIAL CONSERVATION AND RESOURCE ENCY

ANCED DURABILITY AND REDUCED MAINTENANCE ENT PROOFING. Annular spaces around pipes, electric cables, conduits or other openings in ottom plates at exterior walls shall be protected against the passage of rodents by closing such gs with cement mortar, concrete masonry or a similar method acceptable to the enforcing

NSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING STRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65 t of the non-hazardous construction and demolition waste in accordance with either Section 4.408.3 or 4.408.4, or meet a more stringent local construction and demolition waste

ons:

avated soil and land-clearing debris.

rnate waste reduction methods developed by working with local agencies if diversion or ycle facilities capable of compliance with this item do not exist or are not located reasonably se to the jobsite. e enforcing agency may make exceptions to the requirements of this section when isolated psites are located in areas beyond the haul boundaries of the diversion facility.

TRUCTION WASTE MANAGEMENT PLAN. Submit a construction waste management plan ormance with Items 1 through 5. The construction waste management plan shall be updated as sary and shall be available during construction for examination by the enforcing agency.

ntify the construction and demolition waste materials to be diverted from disposal by recycling, se on the project or salvage for future use or sale. ecify if construction and demolition waste materials will be sorted on-site (source separated) or mixed (single stream)

ntify diversion facilities where the construction and demolition waste material collected will be ntify construction methods employed to reduce the amount of construction and demolition waste ecify that the amount of construction and demolition waste materials diverted shall be calculated

reight or volume, but not by both.

STE MANAGEMENT COMPANY. Utilize a waste management company, approved by the ng agency, which can provide verifiable documentation that the percentage of construction and tion waste material diverted from the landfill complies with Section 4.408.1.

The owner or contractor may make the determination if the construction and demolition waste als will be diverted by a waste management company.

STE STREAM REDUCTION ALTERNATIVE [LR]. Projects that generate a total combined of construction and demolition waste disposed of in landfills, which do not exceed 3.4 t. of the building area shall meet the minimum 65% construction waste reduction requirement in

1.1 WASTE STREAM REDUCTION ALTERNATIVE. Projects that generate a total combined of construction and demolition waste disposed of in landfills, which do not exceed 2 pounds uare foot of the building area, shall meet the minimum 65% construction waste reduction ment in Section 4.408.1

JMENTATION. Documentation shall be provided to the enforcing agency which demonstrates ance with Section 4.408.2, items 1 through 5, Section 4.408.3 or Section 4.408.4..

Sample forms found in "A Guide to the California Green Building Standards Code (Residential)" located at www.hcd.ca.gov/CALGreen.html may be used to assist in

documenting compliance with this section. xed construction and demolition debris (C & D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

DING MAINTENANCE AND OPERATION

RATION AND MAINTENANCE MANUAL. At the time of final inspection, a manual, compact eb-based reference or other media acceptable to the enforcing agency which includes all of the g shall be placed in the building:

ctions to the owner or occupant that the manual shall remain with the building throughout the

cycle of the structure. ration and maintenance instructions for the following: Equipment and appliances, including water-saving devices and systems, HVAC systems,

photovoltaic systems, electric vehicle chargers, water-heating systems and other major appliances and equipment

Roof and yard drainage, including gutters and downspouts. Space conditioning systems, including condensers and air filters.

Landscape irrigation systems.

Water reuse systems. rmation from local utility, water and waste recovery providers on methods to further reduce ource consumption, including recycle programs and locations.

blic transportation and/or carpool options available in the area.

cational material on the positive impacts of an interior relative humidity between 30-60 percent d what methods an occupant may use to maintain the relative humidity level in that range. mation about water-conserving landscape and irrigation design and controllers which conserve

ructions for maintaining gutters and downspouts and the importance of diverting water at least 5 away from the foundation rmation on required routine maintenance measures, including, but not limited to, caulking,

nting, grading around the building, etc. rmation about state solar energy and incentive programs available.

copy of all special inspections verifications required by the enforcing agency or this code. rmation from the Department of Forestry and Fire Protection on maintenance of defensible ace around residential structures.

rmation and/or drawings identifying the location of grab bar reinforcements. YCLING BY OCCUPANTS. Where 5 or more multifamily dwelling units are constructed on a

rovide readily accessible area(s) that serves all buildings on the site and are identified for the rage and collection of non-hazardous materials for recycling, including (at a minimum) paper, rdboard, glass, plastics, organic waster, and metals, or meet a lawfully enacted local recycling nore restrictive.

ion: Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82 (a)(2)(A) et seq. are note required to comply with the organic waste portion of this section.

DN 4.5 ENVIRONMENTAL QUALITY

4.501 GENERAL

s of this chapter shall outline means of reducing the quality of air contaminants that are odorous, r harmful to the comfort and well being of a building's installers, occupants and neighbors.

4.502 DEFINITIONS

terms are defined in Chapter 2 (and are included here for reference)

RODUCTS. Agrifiber products include wheatboard, strawboard, panel substrates and door uding furniture, fixtures and equipment (FF&E) not considered base building elements.

WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and ty fiberboard. "Composite wood products" does not include hardboard, structural plywood, els, structural composite lumber, oriented strand board, glued laminated timber, prefabricated finger-jointed lumber, all as specified in California Code of regulations (CCR), title 17, Section

APPLIANCE. A fuel-burning appliance with a sealed combustion system that draws all air for rom the outside atmosphere and discharges all flue gases to the outside atmosphere.

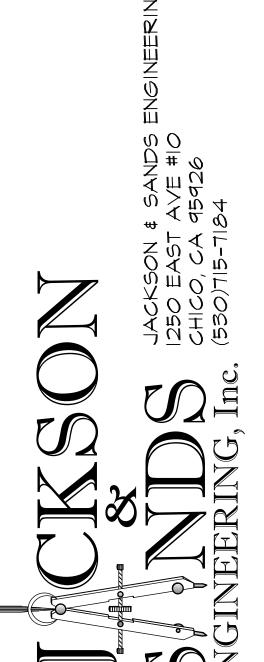
DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AND INTENDED TO BE USED AND INTENDED TO BE USED AND INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE CALIFORNIA GREEN BUILDING VERIFICATION WITH THE FULL CODE. YOU ASSUME ALL RESPONSIBILITY AND RISK FOR YOUR USE OF THE PLANS ARE PROVIDED "AS IS" WITHOUT REPRESENT R WARRANTIES OF ANY KIND. EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF TITLE, NON-INFRINGEMENT, OR IMPLI ARRANTIES OF MERCHANTABILITY OR FINESS FOR A PARTICULAR PURPOSE, MITHOUT LIMITATION OF THE FOREGOING," AGREE THAT IT IS YOUR RESPONSIBILITY TO ENSURE, PRIOR TO USE OF ANY PLANS, THAT SUCH PLANS ARE ACCURATE, TABLE FOR YOUR PURPOSES AND COMPLIANT WITH ALL APPLICABLE LAWS. BY USING THESE PLANS YOU AGREE TO DEI WITH COUNSEL OF CITY'S CHOOSING), INDEMNIFY AND HOLD CITY, EMPLOYEES, VOLUNTEERS, AGENTS, AND THE DESIGN PROFESSIONAL WHO PREPARED THESE CONSTRUCTION DOCUMENTS, FREE AND HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, COSTS, EXPENSES, LIABILITY, LOSS, DAMAGE OR INJURY OF ANY KIND, IN LAW OR EQUITY, TO PROPERTY OR PERSONS, INCLUDING WRONGFUL DEATH, IN ANY MANNER ARISING OUT OF, PERTAINING TO, RELATED TO, OR NCIDENT TO ACCEPTANCE OF OR USE OF THE CONSTRUCTION DOCUMENTS.

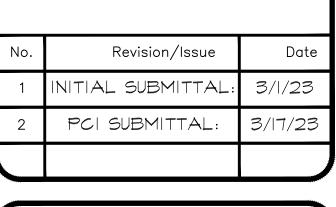


General Notes

04/17/2023

YUBA COUNTY BUILDING INSPECTION DIVISION









GRASSHOPPER 599 SQ.FT.

23-MOO 3/17/23 AS NOTED

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE RESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

N/A RESPON. PARTY	.				N/A RESPON.	
	_			Ŷ	PARTY	
		ACTIVITY (MIR). The maximum change				TABLE 4.504.2 - SEALA
	hundredths of a gram (g O ³ /g RC					(Less Water and Less Exempt Co
	Note: MIR values for individual c and 94701.	compounds and hydrocarbon solvents ar	e specified in CCR, Title 1	r, Sections 94700		SEALANTS ARCHITECTURAL
	MOISTURE CONTENT. The we	ight of the water in wood expressed in p	ercentage of the weight of	the oven-dry wood.		MARINE DECK
	PRODUCT-WEIGHTED MIR (P)	WMIR). The sum of all weighted-MIR for	all ingredients in a produc	t subject to this		NONMEMBRANE ROOF
	product (excluding container and		-	ed per gram of		ROADWAY
		ording to equations found in CCR, Title 1				SINGLE-PLY ROOF MEMBRAN
	ozone formation in the troposphe	UND (ROC). Any compound that has the ere.	e potential, once emitted, t	o contribute to		OTHER
		ind (VOC) broadly defined as a chemical				
		an 0.1 millimeters of mercury at room ten en, nitrogen and other elements. See CO				ARCHITECTURAL NON-POROUS
	4.503 FIREPLACES					POROUS
	woodstove or pellet stove shall c	ed gas fireplace shall be a direct-vent se comply with U.S. EPA New Source Perfo	ormance Standards (NSPS) emission limits as		MODIFIED BITUMINOUS
		manent label indicating they are certified I also comply with applicable local ordina		s. Woodstoves,		MARINE DECK
	4.504 POLLUTANT CO	NTROL				OTHER
		OPENINGS & PROTECTION OF MECH of rough installation, during storage on the				
	startup of the heating, cooling ar	nd ventilating equipment, all duct and oth tape, plastic, sheet metal or other metho	ner related air distribution of	component		
		st or debris which may enter the system.	·			
	4.504.2 FINISH MATERIAL POI	LLUTANT CONTROL. Finish materials	shall comply with this sect	ion.		TABLE 4.504.3 - VOC
		alants and Caulks. Adhesives, sealant ving standards unless more stringent loca				ARCHITECTURAL CO
	management district rules			·····		GRAMS OF VOC PER LITER
		esive bonding primers, adhesive primers th local or regional air pollution control o				COMPOUNDS COATING CATEGORY
	applicable or SC	CAQMD Rule 1168 VOC limits, as show also shall comply with the Rule 1168 pro	n in Table 4.504.1 or 4.504	1.2, as applicable.		FLAT COATINGS
	compounds (ch	loroform, ethylene dichloride, methylene	chloride, perchloroethyler			NON-FLAT COATINGS
		e), except for aerosol products, as specifi				NONFLAT-HIGH GLOSS COA
	units of product	ves, and smaller unit sizes of adhesives, t, less packaging, which do not weigh m	pre than 1 pound and do n	ot consist of more		SPECIALTY COATINGS
	than 16 fluid ou prohibitions on	inces) shall comply with statewide VOC use of certain toxic compounds, of <i>Calife</i>	standards and other requir	ements, including		ALUMINUM ROOF COATING
	commencing wi	ith section 94507.				BASEMENT SPECIALTY COA
	4.504.2.2 Paints and Coa	atings. Architectural paints and coating: ggested Control Measure, as shown in T	s shall comply with VOC linable 4.504.3. unless more	nits in Table 1 of stringent local limits		BITUMINOUS ROOF COATIN
	apply. The VOC content I	limit for coatings that do not meet the de all be determined by classifying the coati	finitions for the specialty c	patings categories		BITUMINOUS ROOF PRIMER
	coating, based on its gloss	s, as defined in subsections 4.21, 4.36, a I Measure, and the corresponding Flat, N	and 4.37 of the 2007 California	ornia Air Resources		BOND BREAKERS
	Board, Suggested Control Table 4.504.3 shall apply.		Normat of Normat-High Glo			CONCRETE CURING COMPO
	4.504.2.3 Aerosol Paints	and Coatings. Aerosol paints and coa	tings shall meet the Produ	ct-weighted MIR		CONCRETE/MASONRY SEAL
	compounds and ozone de	94522(a)(2) and other requirements, incepteting substances, in Sections 94522(e	e)(1) and (f)(1) of California	Code of		DRY FOG COATINGS
	Quality Management Distr	nmencing with Section 94520; and in are rict additionally comply with the percent				FAUX FINISHING COATINGS
	8, Rule 49.					FIRE RESISTIVE COATINGS
	4.504.2.4 Verification. V enforcing agency. Docum	Verification of compliance with this section	n shall be provided at the i	aquest of the		FLOOR COATINGS
	00,	nemation may include, but is not inflited i		equest of the		
	1. Manufacturer's	product specification.				FORM-RELEASE COMPOUN
	1. Manufacturer's					FORM-RELEASE COMPOUN GRAPHIC ARTS COATINGS (
	1. Manufacturer's	product specification.				GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COATI
	1. Manufacturer's 2. Field verification	product specification.	to, the following:			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COATI INDUSTRIAL MAINTENANCE
	1. Manufacturer's 2. Field verification TABLE 4.50	product specification. n of on-site product containers.	to, the following:			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS1
	1. Manufacturer's p 2. Field verification TABLE 4.50 (Less Water and	product specification. n of on-site product containers. 04.1 - ADHESIVE VOC LIMIT	to, the following:			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COATI INDUSTRIAL MAINTENANCE
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR	product specification. n of on-site product containers. D4.1 - ADHESIVE VOC LIMIT d Less Exempt Compounds in Grams p	to, the following: 1,2 er Liter) VOC LIMIT 50			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS1 MAGNESITE CEMENT COAT
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR	product specification. n of on-site product containers. D4.1 - ADHESIVE VOC LIMIT d Less Exempt Compounds in Grams p RAL APPLICATIONS PET ADHESIVES	to, the following: 1,2 er Liter) VOC LIMIT 50 50			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS1 MAGNESITE CEMENT COAT MASTIC TEXTURE COATING
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR INDOOR CARP CARPET PAD A OUTDOOR CAR	product specification. n of on-site product containers. D4.1 - ADHESIVE VOC LIMIT d Less Exempt Compounds in Grams p RAL APPLICATIONS PET ADHESIVES ADHESIVES RPET ADHESIVES	to, the following: 1,2 er Liter) VOC LIMIT 50 50 150			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS1 MAGNESITE CEMENT COAT MASTIC TEXTURE COATING METALLIC PIGMENTED COA
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR INDOOR CARP CARPET PAD A OUTDOOR CAR WOOD FLOOR	product specification. n of on-site product containers.	to, the following: 1,2 er Liter) VOC LIMIT 50 50 150 100			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS1 MAGNESITE CEMENT COAT MASTIC TEXTURE COATING METALLIC PIGMENTED COA MULTICOLOR COATINGS
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR INDOOR CARP CARPET PAD A OUTDOOR CAR WOOD FLOOR RUBBER FLOO	product specification. n of on-site product containers.	to, the following: 1,2 er Liter) VOC LIMIT 50 50 150 100 60			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS1 MAGNESITE CEMENT COAT MASTIC TEXTURE COATING METALLIC PIGMENTED COA MULTICOLOR COATINGS PRETREATMENT WASH PRIM
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR INDOOR CARP CARPET PAD A OUTDOOR CAI WOOD FLOOR RUBBER FLOO SUBFLOOR AD	product specification. n of on-site product containers.	to, the following: 1,2 er Liter) VOC LIMIT 50 50 150 100 60 50 50			GRAPHIC ARTS COATINGS (HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS1 MAGNESITE CEMENT COAT MASTIC TEXTURE COATING METALLIC PIGMENTED COA MULTICOLOR COATINGS PRETREATMENT WASH PRI PRIMERS, SEALERS, & UND
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR INDOOR CARP CARPET PAD A OUTDOOR CAR WOOD FLOOR RUBBER FLOO SUBFLOOR AD CERAMIC TILE	product specification. n of on-site product containers.	to, the following: 1,2 er Liter) VOC LIMIT 50 50 150 100 60			GRAPHIC ARTS COATINGS HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS MAGNESITE CEMENT COAT MASTIC TEXTURE COATING METALLIC PIGMENTED COA MULTICOLOR COATINGS PRETREATMENT WASH PRI PRIMERS, SEALERS, & UND REACTIVE PENETRATING S
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR INDOOR CARP CARPET PAD A OUTDOOR CAR WOOD FLOOR RUBBER FLOO SUBFLOOR AD CERAMIC TILE VCT & ASPHAL	product specification. n of on-site product containers.	to, the following: 1,2 er Liter) VOC LIMIT 50 50 150 150 100 60 50 65			GRAPHIC ARTS COATINGS HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS MAGNESITE CEMENT COAT MASTIC TEXTURE COATING METALLIC PIGMENTED COA MULTICOLOR COATINGS PRETREATMENT WASH PRI PRIMERS, SEALERS, & UND REACTIVE PENETRATING S RECYCLED COATINGS
	1. Manufacturer's j 2. Field verification TABLE 4.50 (Less Water and ARCHITECTUR INDOOR CARP CARPET PAD A OUTDOOR CAR WOOD FLOOR RUBBER FLOO SUBFLOOR AD CERAMIC TILE VCT & ASPHAL	product specification. n of on-site product containers.	to, the following: 1,2 er Liter) VOC LIMIT 50 50 150 150 60 50 65 50 50			GRAPHIC ARTS COATINGS HIGH TEMPERATURE COAT INDUSTRIAL MAINTENANCE LOW SOLIDS COATINGS1 MAGNESITE CEMENT COAT MASTIC TEXTURE COATING METALLIC PIGMENTED COA MULTICOLOR COATINGS PRETREATMENT WASH PRI PRIMERS, SEALERS, & UND REACTIVE PENETRATING S RECYCLED COATINGS ROOF COATINGS RUST PREVENTATIVE COAT SHELLACS
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			TABLE 4.504.5 - FORMALDEHYDE LIMITS			CHAPTER 7
mpounds in Grams per	- Liter)		MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION			INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS
			PRODUCT CURRENT LIMIT		_	702 QUALIFICATIONS
	250		HARDWOOD PLYWOOD VENEER CORE 0.05			702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training certification program. Uncertified persons may perform HVAC installations when under the direct supervision
	760 300		HARDWOOD PLYWOOD COMPOSITE CORE 0.05 PARTICLE BOARD 0.09			responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems or contractor licensed to install HVAC systems of acceptable HVAC training and certification programs include but are not limited to the following:
	250		MEDIUM DENSITY FIBERBOARD 0.11			1. State certified apprenticeship programs.
<u> </u>	450		THIN MEDIUM DENSITY FIBERBOARD2 0.13			 Public utility training programs. Training programs sponsored by trade, labor or statewide energy consulting or verification organization.
	420		1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIF. AIR RESOURCES BOARD, AIR TOXICS CONTROL			 Programs sponsored by manufacturing organizations. Other programs acceptable to the enforcing agency.
			MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIF.			702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or th responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspecti
	250		CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.			other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate comp to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In add
	775 500		2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16" (8 MM).			other certifications or qualifications acceptable to the enforcing agency, the following certifications or education considered by the enforcing agency when evaluating the qualifications of a special inspector:
	760		DIVISION 4.5 ENVIRONMENTAL QUALITY (continued)			 Certification by a national or regional green building program or standard publisher. Certification by a statewide energy consulting or verification organization, such as HERS raters, building the statement of the stat
	750		4.504.3 CARPET SYSTEMS. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions			 performance contractors, and home energy auditors. 3. Successful completion of a third party apprentice training program in the appropriate trade. 4. Other programs acceptable to the enforcing agency.
			from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)			Notes:
			See California Department of Public Health's website for certification programs and testing labs.			 Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
			https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.			 HERS raters are special inspectors certified by the California Energy Commission (CEC) to r homes in California according to the Home Energy Rating System (HERS).
ATINGS2,3	SFOR		4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic			[BSC] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agen employ one or more special inspectors to provide inspection or other duties necessary to substantiate complia
OF COATING, LESS W	ATER & LESS EXEMPT		Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)			this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification
	VOC LIMIT		See California Department of Public Health's website for certification programs and testing labs.			recognized state, national or international association, as determined by the local agency. The area of certific shall be closely related to the primary job function, as determined by the local agency.
	50		https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.			Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
TINGS	100		4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1.			
			4.504.4 RESILIENT FLOORING SYSTEMS. Where resilient flooring is installed, at least 80% of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,"			703 VERIFICATIONS 703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include by
	400		Version 1.2, January 2017 (Emission testing method for California Specification 01350)			limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific
S	400 50		See California Department of Public Health's website for certification programs and testing labs.			documentation or special inspection is necessary to verify compliance, that method of compliance will be special the appropriate section or identified applicable checklist.
3	350		hhtps://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.			
	350		4.504.5 COMPOSITE WOOD PRODUCTS. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for			
	350		formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5			
	50		4.504.5.1 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:			
	150		1. Product certifications and specifications.			
	350		 Chain of custody certifications. Product labeled and invoiced as meeting the Composite Wood Products regulation (see 			
	100		 CCR, Title 17, Section 93120, et seq.). 4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269, European 636 3S standards, and Canadian CSA 			
SIGN PAINTS)	250 500		0121, CSA 0151, CSA 0153 and CSA 0325 standards. 5. Other methods acceptable to the enforcing agency.			
NGS	420					
COATINGS	250		4.505 INTERIOR MOISTURE CONTROL 4.505.1 General. Buildings shall meet or exceed the provisions of the <i>California Building Standards Code</i> .			
NGS	450		4.505.2 CONCRETE SLAB FOUNDATIONS. Concrete slab foundations required to have a vapor retarder by			
6	100		California Building Code, Chapter 19, or concrete slab-on-ground floors required to have a vapor retarder by the California Residential Code, Chapter 5, shall also comply with this section.			
INGS	500		4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the following:			
IERS	250 420		1. A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clean aggregate shall be provided with			
RCOATERS	100		a vapor barrier in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06.			
ALERS	350		 Other equivalent methods approved by the enforcing agency. A slab design specified by a licensed design professional. 			
	250 50		4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS. Building materials with visible signs of water damage			
NGS	250		shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19 percent moisture content. Moisture content shall be verified in compliance with the following:			
	700		 Moisture content shall be determined with either a probe-type or contact-type moisture meter. Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements 			
	730 550		found in Section 101.8 of this code. 2. Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end of each piece verified.			
RS &	100		 At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing. 			
	250		Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to			
	450		enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.			
S	340 100		4.506 INDOOR AIR QUALITY AND EXHAUST 4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated and shall comply with the			
NGS	420		following:			
NES	250		 Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building. Unless functioning as a component of a whole house ventilation system, fans must be controlled by a humidity control. 			
	350		a. Humidity controls shall be capable of adjustment between a relative humidity range less than or			
	340		equal to 50% to a maximum of 80%. A humidity control may utilize manual or automatic means of adjustment.			
R OF COATING, INCL	UDING WATER &		 A humidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in) 			
MAIN IN EFFECT UNL	LESS REVISED LIMITS ABLE.		Notes:			
RE DERIVED FROM TH RCES BOARD, ARCH	HOSE SPECIFIED BY ITECTURAL COATINGS		 For the purposes of this section, a bathroom is a room which contains a bathtub, shower or tub/shower combination. Lighting integral to bathroom exhaust fans shall comply with the California Energy Code 			
,	MORE INFORMATION IS		 Lighting integral to bathroom exhaust fans shall comply with the <i>California Energy Code</i>. 4.507 ENVIRONMENTAL COMFORT 			
			4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods:			
			 The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J - 2011 (Residential Load Calculation), ASHRAE handbooks or other equivalent design software or methods. 			
			 Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods. 			
			 Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection), or other equivalent design software or methods. 			
			Exception: Use of alternate design temperatures necessary to ensure the system functions are acceptable.			
ABLES BETWEEN BUILDI	NG DEPARTMENT JURISDICTIONS. THI	IS CHECKLIST IS TO BE US	ED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END US	 SER AS	SUMES AL	LRESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.
	, , , , , , , , , , , , , , , , ,			2		YOU ASSUME ALL RESPONSIBILITY AND RISK FOR YOUR USE OF THE PLANS ARE PROVIDED "

YES NOT APPLICABLE RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.) N/A RESPON. PARTY

R 7 ER & SPECIAL INSPECTOR QUALIFICATIONS LIFICATIONS ALLER TRAINING. HVAC system installers shall be trained and certified in the proper

AC systems including ducts and equipment by a nationally or regionally recognized training or gram. Uncertified persons may perform HVAC installations when under the direct supervision and a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. eptable HVAC training and certification programs include but are not limited to the following:

certified apprenticeship programs. utility training programs.

ng programs sponsored by trade, labor or statewide energy consulting or verification organizations. ams sponsored by manufacturing organizations. programs acceptable to the enforcing agency.

IAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the y acting as the owner's agent shall employ one or more special inspectors to provide inspection or essary to substantiate compliance with this code. Special inspectors shall demonstrate competence n of the enforcing agency for the particular type of inspection or task to be performed. In addition to ons or qualifications acceptable to the enforcing agency, the following certifications or education may be he enforcing agency when evaluating the qualifications of a special inspector:

cation by a national or regional green building program or standard publisher. cation by a statewide energy consulting or verification organization, such as HERS raters, building mance contractors, and home energy auditors. essful completion of a third party apprentice training program in the appropriate trade. programs acceptable to the enforcing agency.

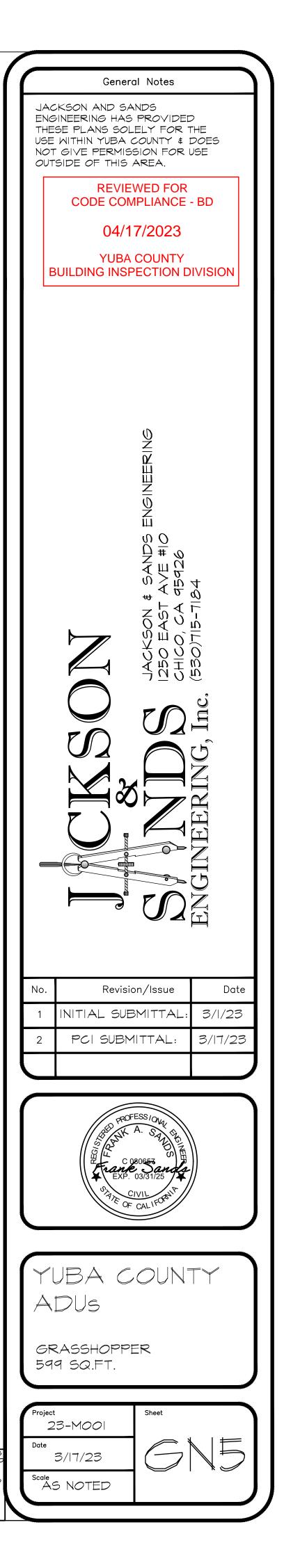
Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

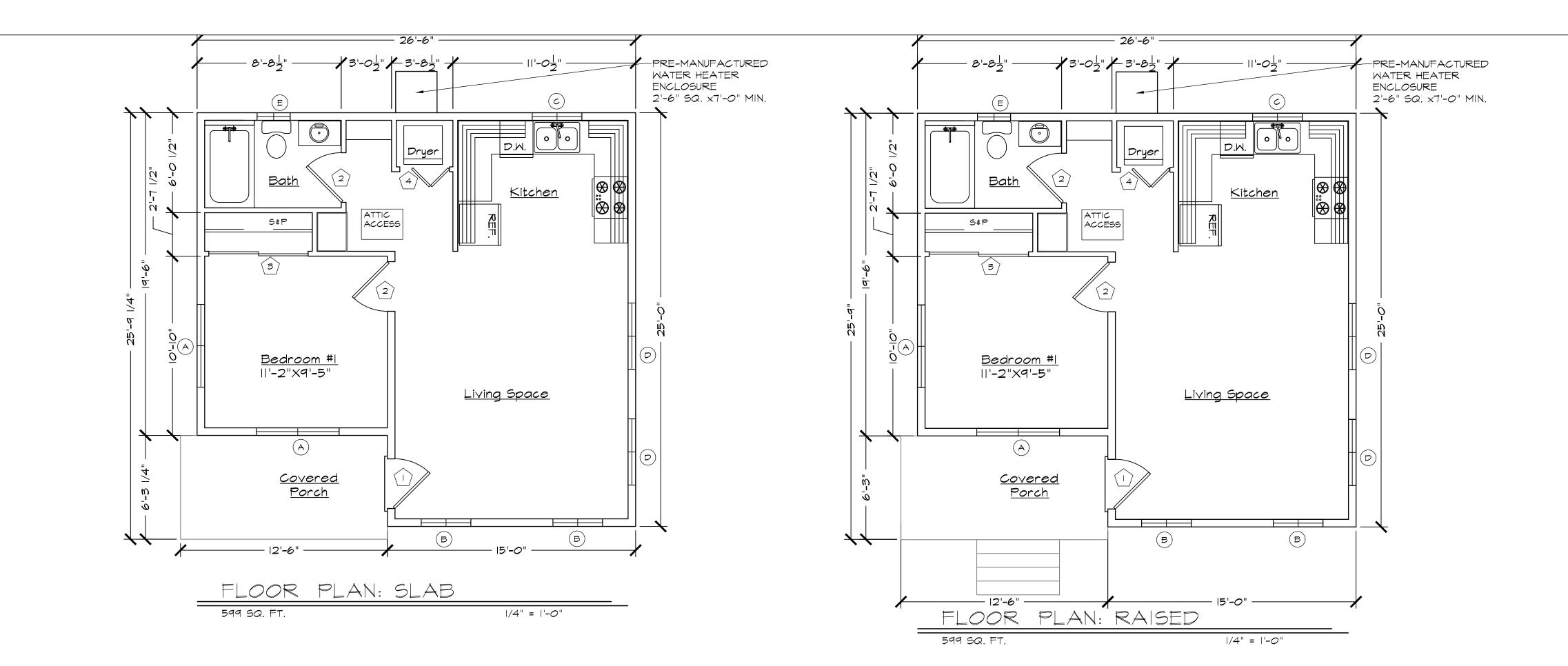
quired by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall nore special inspectors to provide inspection or other duties necessary to substantiate compliance with ial inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the f inspection or task to be performed. In addition, the special inspector shall have a certification from a e, national or international association, as determined by the local agency. The area of certification related to the primary job function, as determined by the local agency.

IFICATIONS

UMENTATION. Documentation used to show compliance with this code shall include but is not uction documents, plans, specifications, builder or installer certification, inspection reports, or other able to the enforcing agency which demonstrate substantial conformance. When specific or special inspection is necessary to verify compliance, that method of compliance will be specified in section or identified applicable checklist.

TABLE FOR YOUR PURPOSES AND COMPLIANT WITH ALL APPLICABLE LAWS. BY USING THESE PLANS YOU AGREE TO DEF





FLOOR PLAN NOTES

- I. WHEN AUTOMATIC FIRE SPRINKLERS ARE REQUIRED THROUGHOUT THE RESIDENCE, FIRE SPRINKLERS SHALL BE DESIGNED BY A CALIFORNIA CONTRACTOR CLASSIFICATION C-16. FIRE SPRINKLER SHALL BE REQUIRED IF THE PRIMARY RESIDENCE HAS FIRE SPRINKLERS.
- 2. EXTERIOR WALLS TO BE 2X6 DF NO. 2 STUDS AT 16" O.C. WITH R-21 INSULATION. SIDING/ SHEAR AS SHOWN ON.
- 3. INTERIOR WALLS TO BE 2X4 DF NO.2 STUDS AT 16" O.C.
- 4. TYPICAL WALL HEIGHT IS $9'O-\frac{3}{4}"$ 5. IF POSSIBLE, PLEASE TRY TO LOCATE WATER HEATER & AIR CONDITIONER CONDENSER TOWARDS THE INSIDE OF THE PARCEL OPPOSITE OF THE STREET VIEW SIDE OF THE ADU.
- 6. NO OPENING SHALL BE PERMITTED IN THE EXTERIOR WALLS, INCLUDING VENTS, OF GROUP R-3 OCCUPANCIES WHERE THE EXTERIOR WALL IS CLOSER THAN 5' TO THE PROPERTY LINE 2022 CRC TABLE R302.I(I) & TABLE R302.I(2)
- 7. LISTED INSTALLATION INSTRUCTION OR MANUALS SHALL BE ON SITE \$ AVAILABLE FOR PLUMBING, MECHANICAL, ELECTRICAL EQUIPMENT OR OTHER INSTALLATIONS DURING FIELD INSPECTION OF SPECIFIC APPLIANCES OR FEATURES.
- 8. RODENT PROOFING & INSECT INTRUSION PROTECTION. ANNULAR SPACES AROUND PIPES, ELECTRICAL CABLE CONDUITS OR OTHER OPENINGS IN BOTTOM/SOLE PLATE AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS IN ACCORDANCE WITH THE 2022 CAL GREEN BUILDING CODE, CHAPTER 4. DIVISION 4.4 SECTION 4.406.1 CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE BY THE ENFORCING AGENCY. METHOD ACCEPTABLE BY YUBA COUNTY BUILDING DIVISION WOULD BE LOW VOC CAULKING WITH NON-COMBUSTIBLE FILLING MATERIAL.

INGRESS/EGRESS WINDOWS IN BEDROOMS AND SLEEPING AREAS:

R310.2.1 MINIMUM OPENING AREA. EMERGENCY AND ESCAPE RESCUE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 SQUARE FEET. THE NET CLEAR OPENING DIMENSIONS REQUIRED BY THIS SECTION SHALL BE OBTAINED BY THE NORMAL OPERATION OF THE EMERGENCY ESCAPE AND RESCUE OPENING FROM THE INSIDE. THE NET CLEAR HEIGHT OPENING SHALL BE NOT LESS THAN 24 INCHES AND THE NET CLEAR WIDTH SHALL BE NOT LESS THAN 20 INCHES. EXCEPTION: GRADE FLOOR OR BELOW GRADE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET.

DOC	OR SCHE	EDULE						
DOOR		DOOR SIZE			DOOR		NOTEC	
SYMBOL	WIDTH	HEIGHT	THICK	TYPE	CORE	MATERIAL	FRAME	NOTES:
$\begin{array}{c} \hline \\ \hline \\ \end{array}$	3'-0"	6'-8"	1-3/4"	SINGLE DOOR	SOLID	VNL/GLASS	WOOD	MIN. 32" FRONT ENTRY DOOR W/ TEMPERED GLAZING W/ COMPLIANT THRESHOLD
2	3'-0"	6'-8"	1-3/4"	SINGLE DOOR	HOLLOW	WOOD	WOOD	MIN 32" INTERIOR DOORS
3	6'-0"	6'-8"	1-3/4"	BI-PASS	HOLLOW	WOOD	WOOD	BI PASS CLOSET DOORS
4	3'-0"	6'-8"	1-3/4"	BI-FOLD	HOLLOW	WOOD	WOOD	BI FOLD CLOSET DOORS

VINYL

VINYL

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4'-0"

2'-0"

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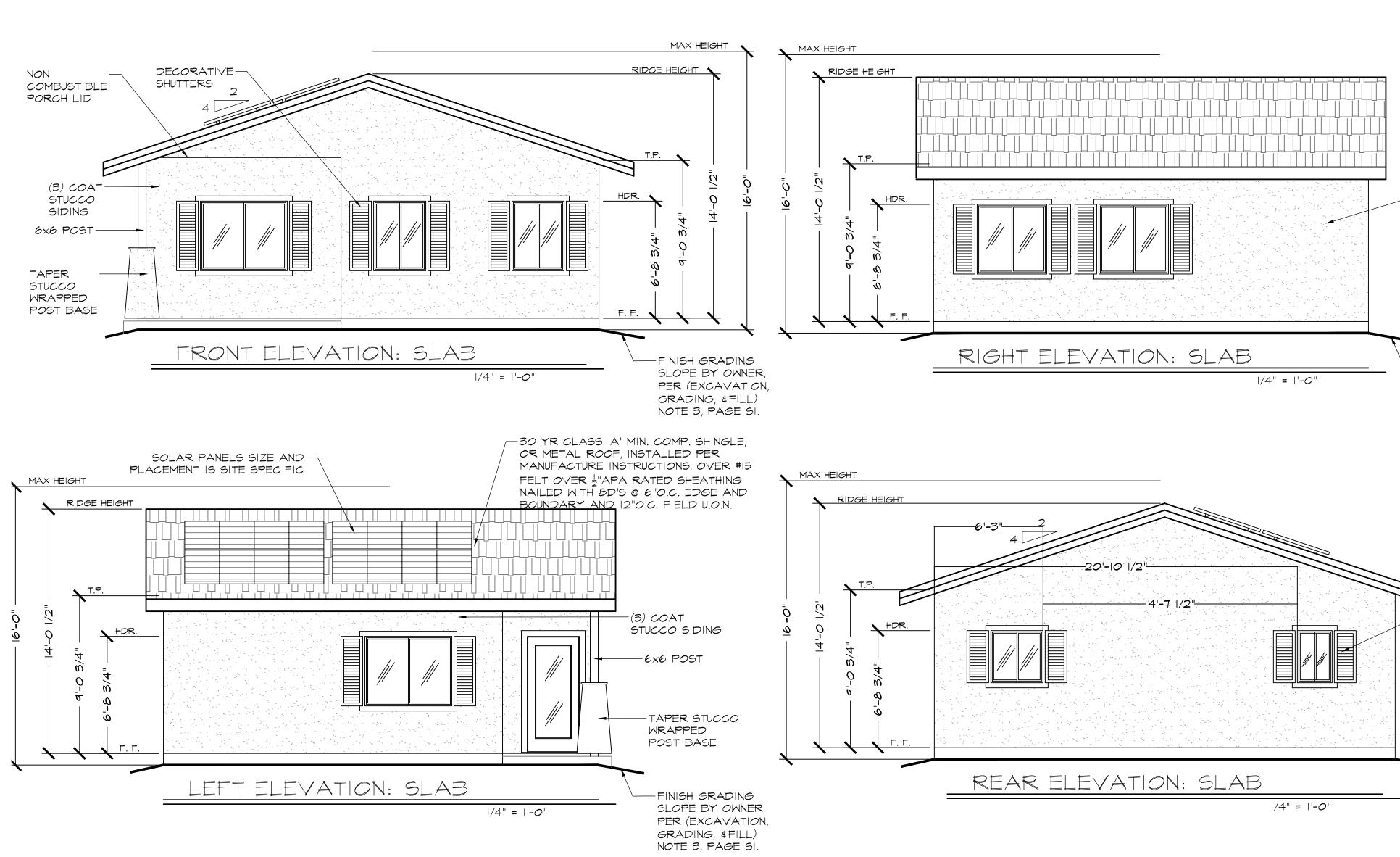
3'-0"

WINDOW SCHEDULE WINDOW SIZE WINDOW HEAD HEIGHT FRAME U-FACTOR OPER. SHGC QNTY. SYMBOL WIDTH HEIGHT \bigcirc 5'-0" 4'-0" SLIDER 2 VINYL 6'-8" .28 .20 В .20 3'-0" SLIDER VINYL .28 4'-0" 6'-8" \bigcirc 3'-0" 3'-0" SLIDER VINYL 6'-8" .28 .20

SLIDER

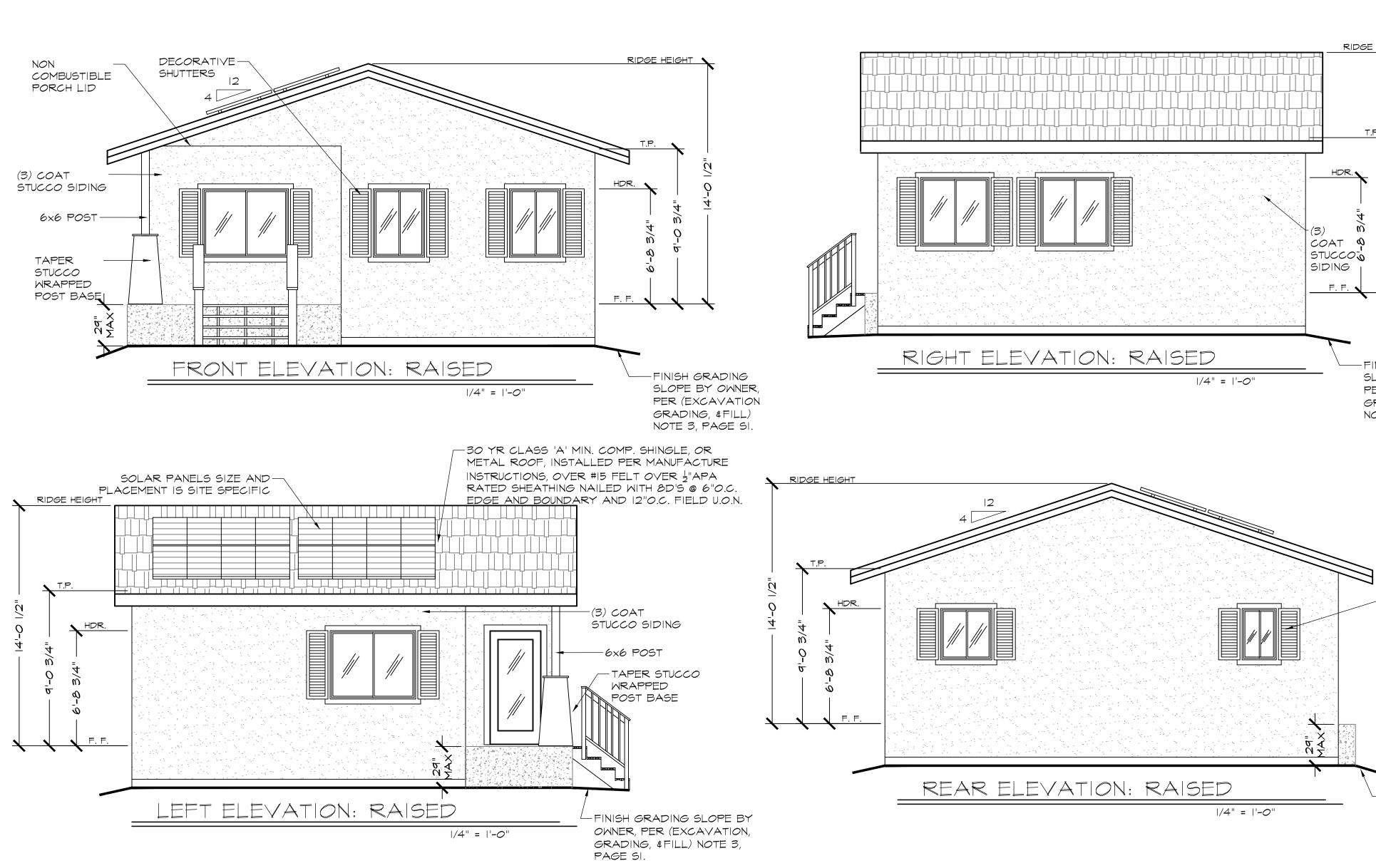
SLIDER

		((General Notes
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			NOT GIVE PERMISSION FOR USE OUTSIDE OF THIS AREA.
			REVIEWED FOR
			CODE COMPLIANCE - BD
			04/17/2023
			YUBA COUNTY
			BUILDING INSPECTION DIVISION
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	YOU ASSUME ALL RESPONSIBILITY AND RISK FOR YOUR USE OF THE PLANS ARE PROVIDED "AS IS" WITHOUT REPRESENTATIONS OR		Project Sheet
	WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF TITLE, NON-INFRINGEMENT, OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITATION OF THE FOREGOING, YOU AGREE THAT IT IS YOUR		23-MOOI
	RESPONSIBILITY TO ENSURE, PRIOR TO USE OF ANY PLANS, THAT SUCH PLANS ARE ACCURATE, SUITABLE FOR YOUR PURPOSES AND COMPLIANT WITH ALL APPLICABLE LAWS. BY USING THESE PLANS YOU AGREE TO		Date 3/17/23
	DEFEND (WITH COUNSEL OF CITY'S CHOOSING), INDEMNIFY AND HOLD CITY, EMPLOYEES, VOLUNTEERS, AGENTS, AND THE DESIGN PROFESSIONAL WHO PREPARED THESE CONSTRUCTION DOCUMENTS, FREE AND HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, COSTS,		Scale AS NOTED
	EXPENSES, LIABILITY, LOSS, DAMAGE OR INJURY OF ANY KIND, IN LAW OR EQUITY, TO PROPERTY OR PERSONS, INCLUDING WRONGFUL DEATH, IN ANY MANNER ARISING OUT OF, PERTAINING TO, RELATED TO, OR INCIDENT TO ACCEPTANCE OF OR USE OF THE CONSTRUCTION DOCUMENTS.		



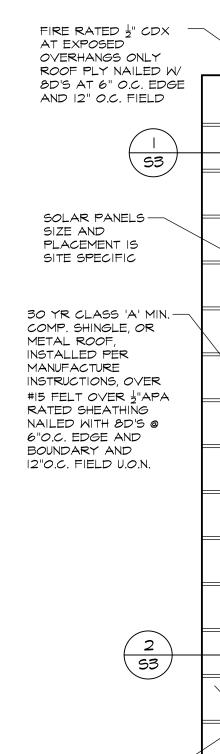
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		(1	General Notes
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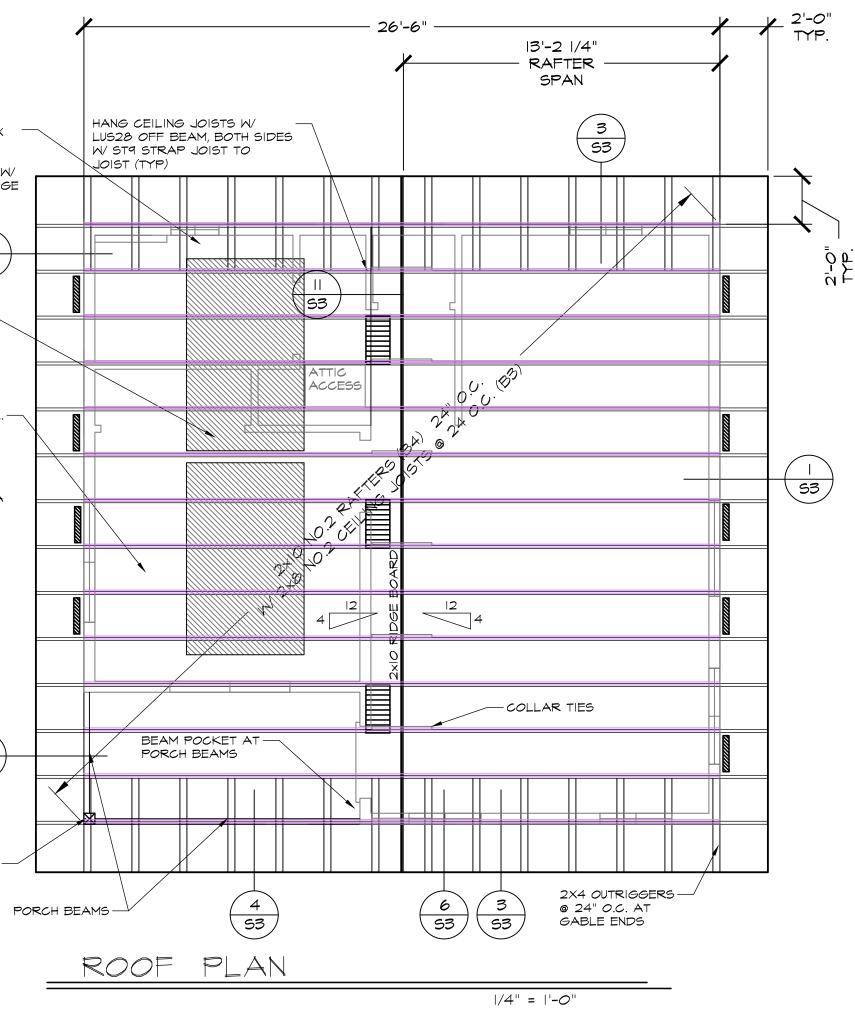


*NOTE: SEE WUI NOTES ON PAGE GNI WHEN BUILDING IS LOCATED WITHIN WUI

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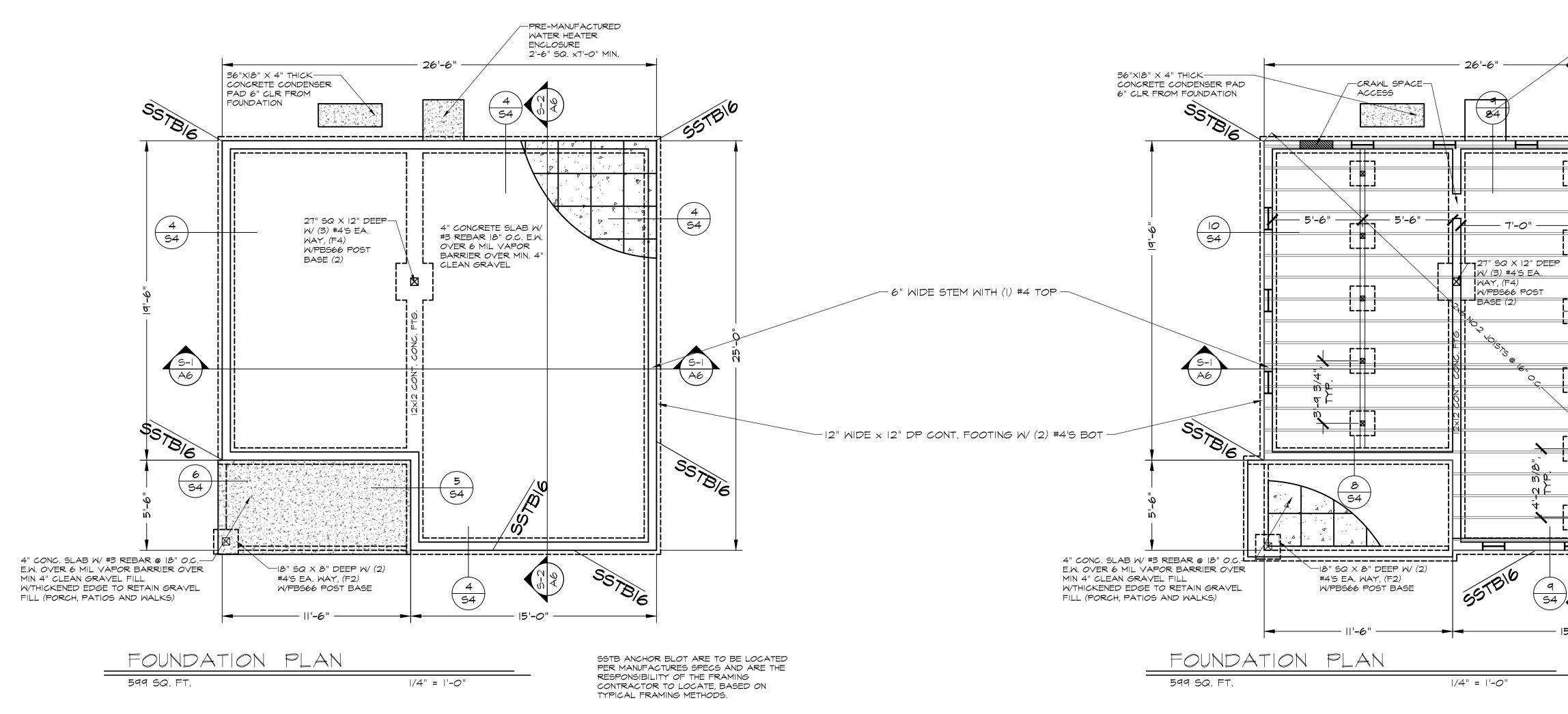


ATTIC VENTILATION C * EQUIVALENT MEANS				PTABLE.				
DESCRIPTION	SQUARE F <i>OO</i> TAGE	REQUIREMENT	VALUE	PROPOSED VENT	SYMBOL	NET VENT AREA/ VENT	# VENTS	IN ² PROVIDED
ATTIC SPACE TOTAL	662.5	1/150	4.42 FT ² 637.1 IN ²					
LOWER VENT		1/300	2.21 FT ² 318.5 IN ²	EV223-1/8		39 IN ²	٩	351 IN ²
UPPER VENTS		1/300	2.21 FT ² 318.5 IN ²	HALF ROUND DORMER BH24-1/8		100 IN2	4	400 IN ²
							TOTAL=	751 IN ²



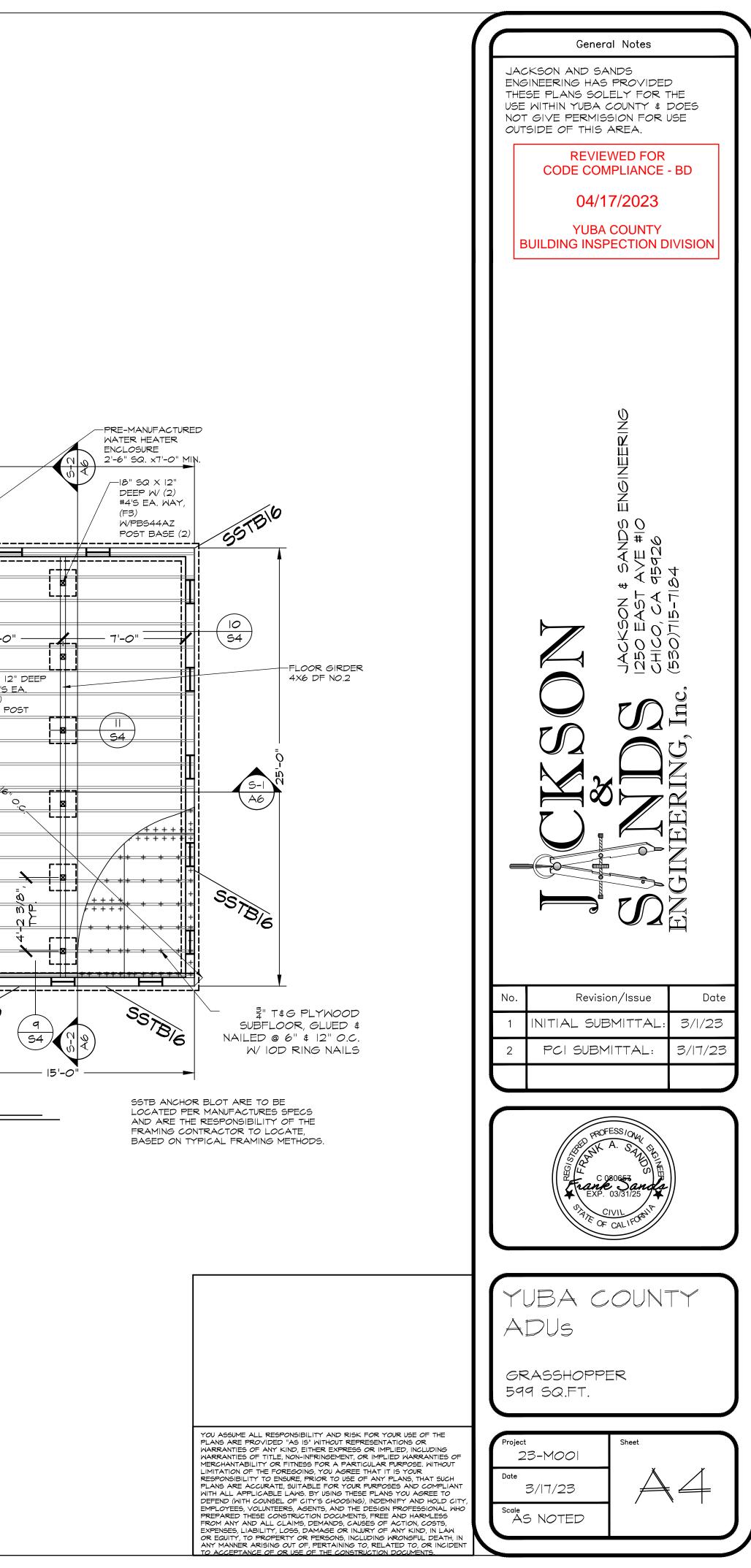
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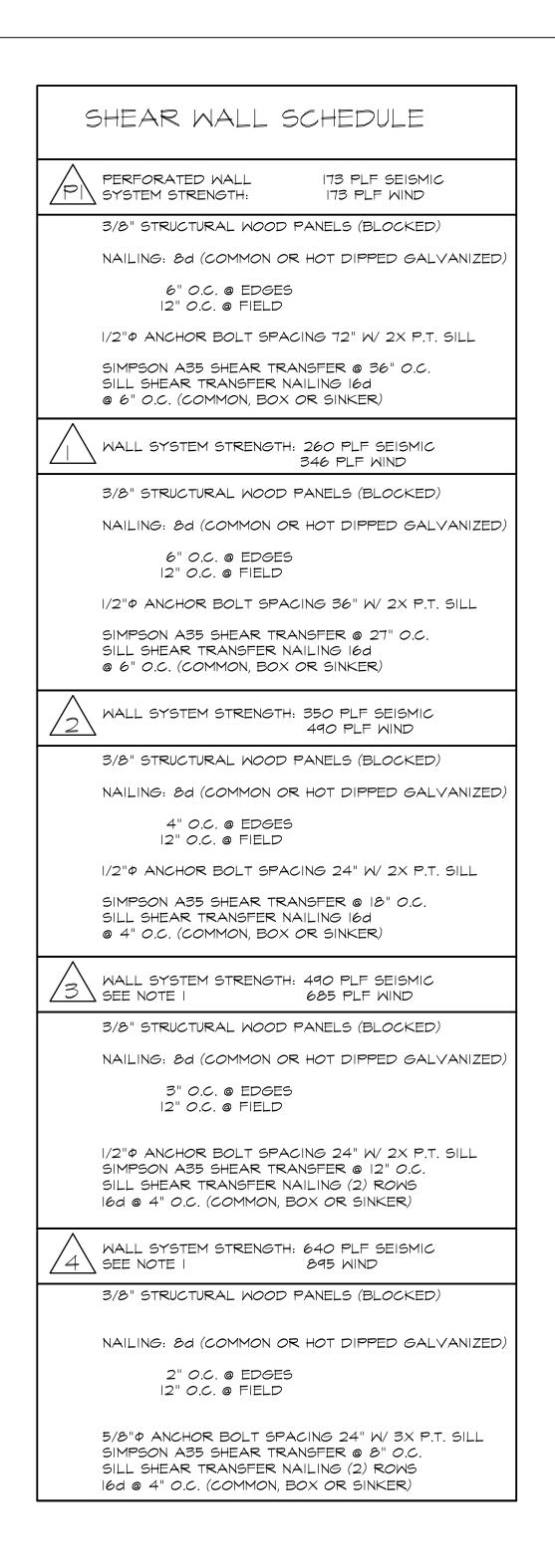
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	04/17/2023
	YUBA COUNTY BUILDING INSPECTION DIVISION
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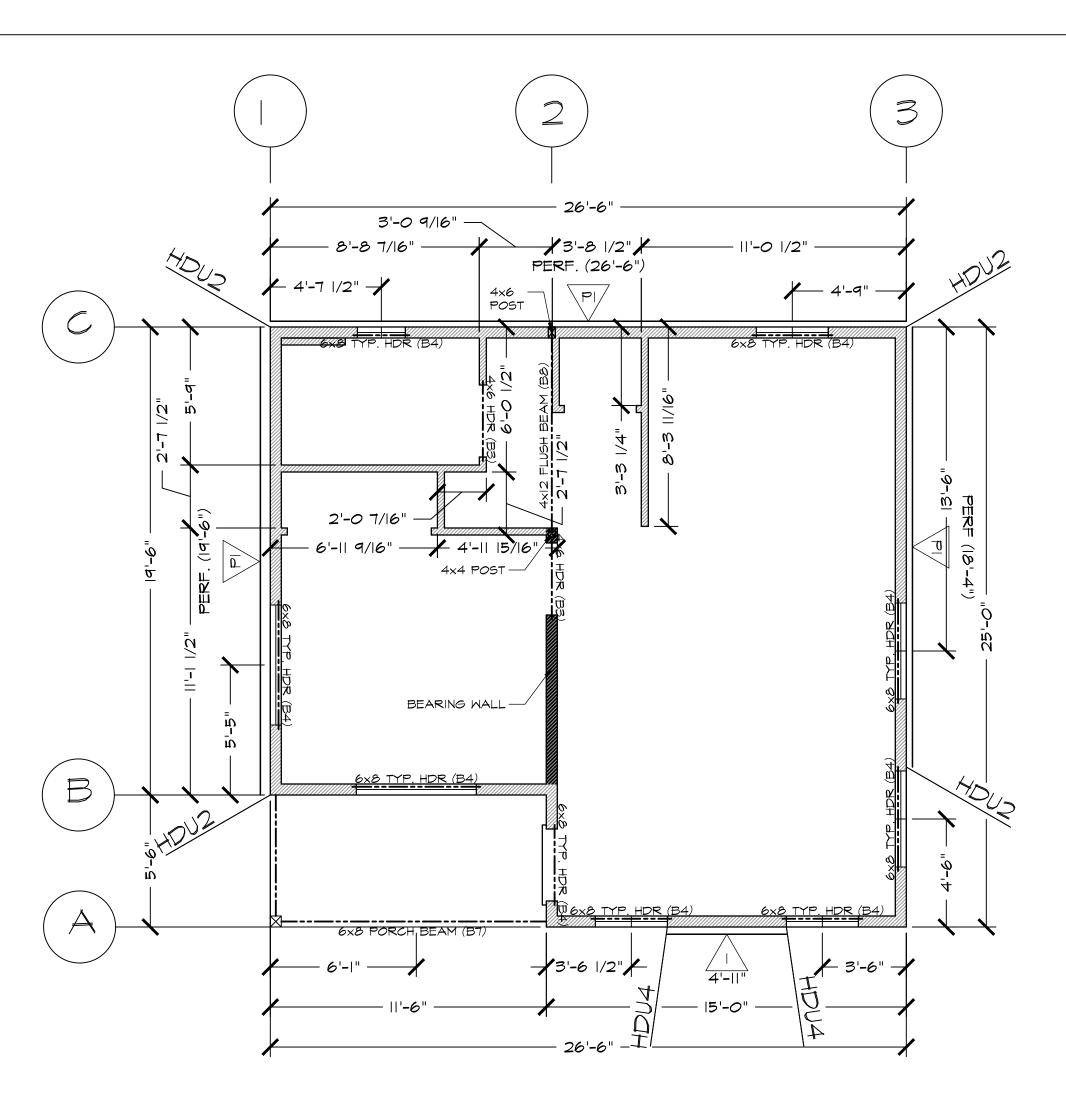


NOTE: FOR 2 POUR CONDITION, SSTBIG'S SHOULD BE INCREASED BY ONE SIZE TO SSTB20'S

FLOOR VENTILATION C * EQUIVALENT MEANS (6 vent area af	RE ACCEPT	ABLE.			
DESCRIPTION	SQUARE FOOTAGE	REQUIREMENT	VALUE	PROPOSED VENT	NET VENT AREA/ VENT	# √ENTS	IN ² PROVIDED
CRAWL SPACE TOTAL	599	144 IN²/ 150 FT²	599 FT ²	6× 4"	41 IN ²	15	615 IN ²
				I&X24" SCREENED ACCESS	350 IN ²	I	350 IN ²
						TOTAL=	965 IN ²







 SHEAR WALL & FRAMING PLAN

 599 SF
 1/4" = 1'-0"

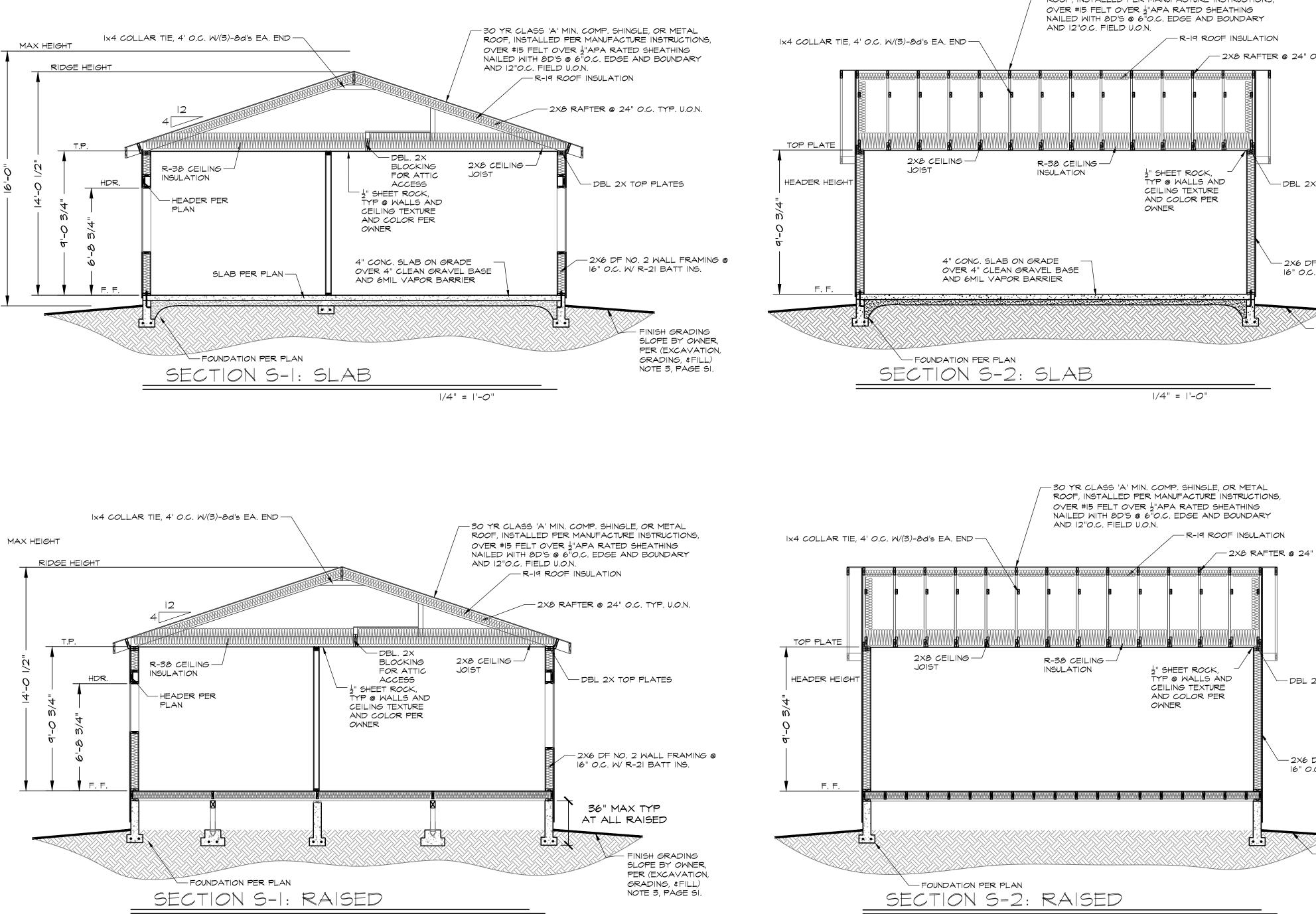
SSTB ANCHOR BOLT ARE TO BE LOCATED PER MANUFACTURES SPECS AND ARE THE RESPONSIBILITY OF THE FRAMING CONTRACTOR TO LOCATE, BASED ON TYPICAL FRAMING METHODS.

DOC	DR SCHE	EDULE						
DOOR		DOOR SIZE		DOOR	6.075			
SYMBOL	WIDTH	HEIGHT	THICK	TYPE	CORE	MATERIAL	FRAME	NOTES:
(1)	3'-0"	6'-8"	-3/4"	SINGLE DOOR	SOLID	VNL/GLASS	WOOD	MIN. 32" FRONT ENTRY I TEMPERED GLAZING W/ C THRESHOLD
2	3'-0"	6'-8"	-3/4"	SINGLE DOOR	HOLLOW	WOOD	WOOD	MIN 32" INTERIOR DO
3	6'-0"	6'-8"	-3/4"	BI-PASS	HOLLOW	WOOD	WOOD	BI PASS CLOSET DO
4	3'-0"	6'-8"	-3/4"	BI-FOLD	HOLLOW	WOOD	WOOD	BI FOLD CLOSET DO

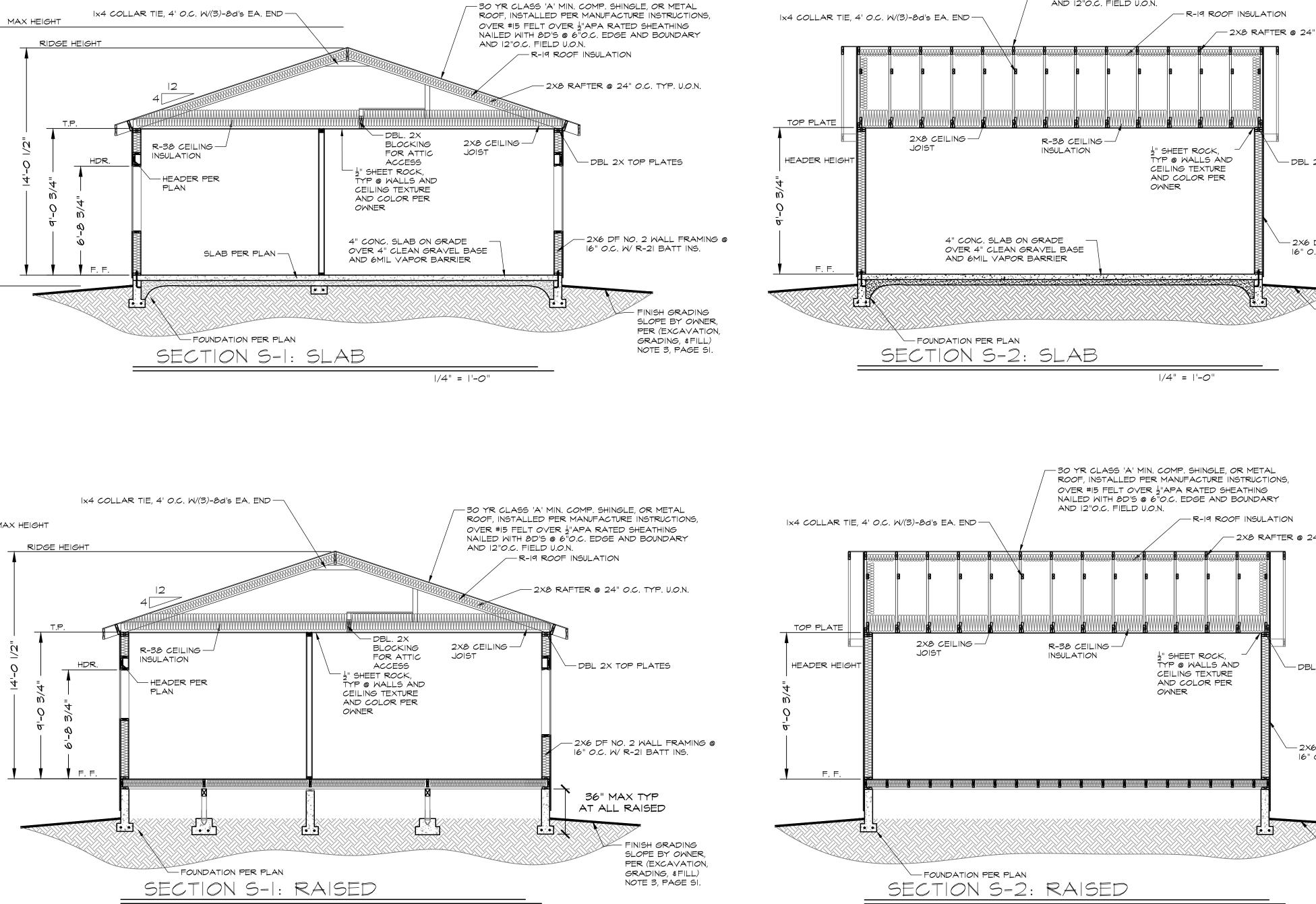
SCHEDULE

	WINDO	DW SIZE			ERAME	HEAD		SHEE	
YMBOL	WIDTH	HEIGHT	OFLR.			HEIGHT		5460	
A	5'-0"	4'-0"	SLIDER	2	VINYL	6'-8"	.28	.20	EGRESS
B	3'-0"	4'-0"	SLIDER	I	VINYL	6'-8"	.28	.20	TEMPER
\bigcirc	3'-0"	3'-0"	SLIDER	I	VINYL	6'-8"	.28	.20	
D	4'-0"	4'-0"	SLIDER	I	VINYL	6'-8"	.28	.20	
E	2'-0"	3'-0"	SLIDER	I	VINYL	6'-8"	.28	.20	
	A B C D	INDOM WIDTH A 5'-0" B 3'-0" C 3'-0" D 4'-0"	YMBOL WIDTH HEIGHT (A) 5'-0" 4'-0" (B) 3'-0" 4'-0" (C) 3'-0" 3'-0" (D) 4'-0" 4'-0"	INDOM MIDTH HEIGHT OPER. (A) 5'-0" 4'-0" SLIDER (B) 3'-0" 4'-0" SLIDER (C) 3'-0" 3'-0" SLIDER (D) 4'-0" SLIDER	INDOM MBOL WIDTH HEIGHT OPER. QNTY. (A) 5'-0" 4'-0" SLIDER 2 (B) 3'-0" 4'-0" SLIDER 1 (C) 3'-0" 3'-0" SLIDER 1 (D) 4'-0" SLIDER 1	INDOM MBOLWIDTHHEIGHTOPER.QNTY.FRAME(A)5'-0"4'-0"SLIDER2VINYL(B)3'-0"4'-0"SLIDER1VINYL(C)3'-0"3'-0"SLIDER1VINYL(D)4'-0"SLIDER1VINYL	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\frac{1}{1000} \frac{1}{1000} \frac{1}{1000$

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X TOP PLATES			ANDS ENGINEERING TE #10 126
F NO. 2 WALL FRAMING @ 2. W/ R-2I BATT INS.			(SON & SA EAST AVE 0, CA 9592 715-7184
- FINISH GRADING SLOPE BY OWNER, PER (EXCAVATION, GRADING, &FILL) NOTE 3, PAGE SI.			ERING, Inc. (530)-
" O.C. TYP. U.O.N.			
2X TOP PLATES			No.Revision/IssueDate1INITIAL SUBMITTAL:3/I/232PCI SUBMITTAL:3/I7/23
DF NO. 2 WALL FRAMING @ D.C. W/ R-21 BATT INS. TINISH GRADING			PROFESSION PROFESSION CONNECTION CONNECTION CONNECTION CONNECTION CONNECTION CIVIL PIE OF CALIFORNIE
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- 30 YR CLASS 'A' MIN. COMP. SHINGLE, OR METAL ROOF, INSTALLED PER MANUFACTURE INSTRUCTIONS,

|/4" = |'-*O*"

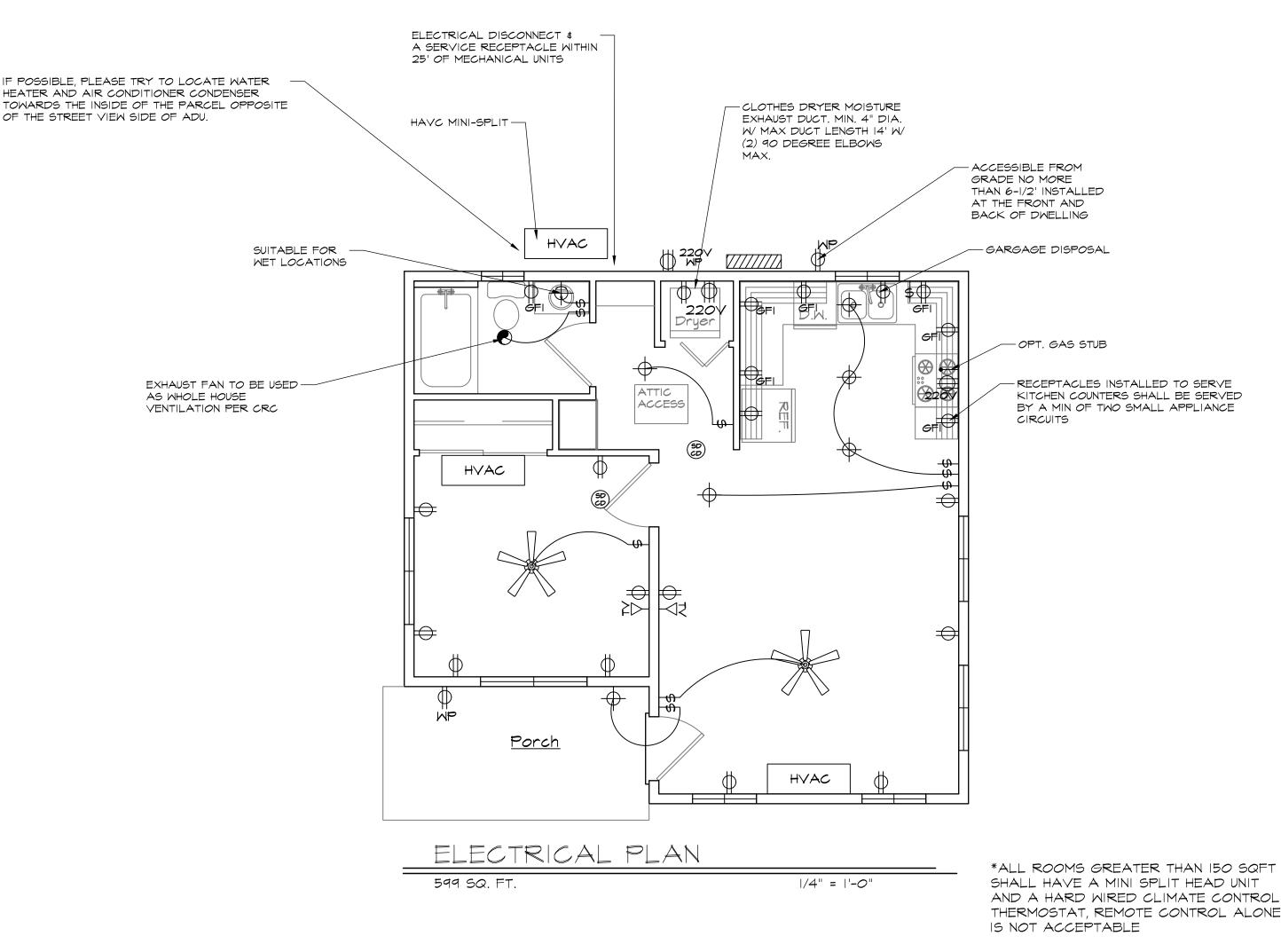
ELECTRICAL SYMBOLS

DUPLEX RECEPTACLE	Ф
DUPLEX RECEPTACLE 72" A.F.F.	Ф+72
GROUND FAULT CIRCUIT, AS REQUIRED	∯ 6FI
DUPLEX RECEPTACLE 220 VOLT	() 220∨
DUPLEX RECEPTACLE, WATER-PROOF	∯ wp
CABLE TV	Ϋ́
TELEPHONE OUTLET	
HOSE BIB W/ ANTI-SIPHON VALVE	₽BŢ
SWITCH @ +42"	\$
SWITCH 3-WAY	1 ³ \$
CEILING LIGHT FIXTURES	.
OUTDOOR LIGHTS	Å
SUBPANEL MIN. 100 AMP	
SUBPANEL MIN. 100 AMP EXHAUST FAN	•
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EXHAUST FAN	
EXHAUST FAN SMOKE DETECTOR COMBINATION SMOKE & CARBON MONOXIDE	6
EXHAUST FAN SMOKE DETECTOR COMBINATION SMOKE & CARBON MONOXIDE DETECTOR	60
EXHAUST FAN SMOKE DETECTOR COMBINATION SMOKE & CARBON MONOXIDE DETECTOR CEILING FAN	
EXHAUST FAN SMOKE DETECTOR COMBINATION SMOKE & CARBON MONOXIDE DETECTOR CEILING FAN HVAC CONDENSER	
EXHAUST FAN SMOKE DETECTOR COMBINATION SMOKE & CARBON MONOXIDE DETECTOR CEILING FAN HVAC CONDENSER ELEC. VEHICLE CHARGING STATION	

HEATER AND AIR CONDITIONER CONDENSER TOWARDS THE INSIDE OF THE PARCEL OPPOSITE OF THE STREET VIEW SIDE OF ADU.

ELECTRICAL NOTES

- THE PANEL BOARD(S) SHALL BE PROVIDED WITH A CIRCUIT DIRECTORY OR CIRCUIT IDENTIFICATION. 2022 CEC ART. 408.3(F) EVERY CIRCUIT & CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, & SPECIFIC PURPOSE OR USE. THE IDENTIFICATION SHALL INCLUDE AN APPROVED DEGREE OF DETAIL THAT ALLOWS EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. SPARE POSITIONS THAT CONTAIN UNUSED OVER CURRENT DEVICES OR SWITCHES SHALL BE DESCRIBED ACCORDINGLY. THE IDENTIFICATION SHALL BE INCLUDED IN A CIRCUIT DIRECTORY THAT IS LOCATED ON THE FACE OR INSIDE OF THE PANEL DOOR IN THE CASE OF A PANELBOARD & AT EACH SWITCH OR CIRCUIT BREAKER IN A SWITCHBOARD OR SWITCHGEAR. NO CIRCUIT SHALL BE DESCRIBED IN A MANNER THAT DEPENDS ON TRANSIENT CONDITIONS OF OCCUPANCY.
- 2. LISTED INSTALLATION INSTRUCTION OR MANUALS SHALL BE ON SITE & AVAILABLE FOR PLUMBING, MECHANICAL, ELECTRICAL EQUIPMENT OR OTHER INSTALLATIONS DURING FIELD INSPECTION OF SPECIFIC APPLIANCES OR FEATURES.
- 3. PHOTOVOLTAIC GENERATING SYSTEMS IS REQUIRED BY CALIFORNIA ENERGY CODE SECTION 150.1(C)14. INSTALLATION OF SOLAR PANELS REQUIRED PRIOR CERTIFICATE OF OCCUPANCY CAN BE ISSUED FOR THIS ADU. A SEPARATE PERMIT IS REQUIRED. 4. AT LEAST ONE 120-VOLT, 20-AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY A BATHROOM OUTLET(S). SUCH CIRCUIT SHALL
- HAVE NO OTHER OUTLETS. (EXCEPTION-WHERE THE CIRCUIT SUPPLIES A SINGLE BATHROOM, OUTLETS FOR OTHER EQUIPMENT WITHIN THE SAME BATHROOM SHALL BE PERMITTED TO BE SUPPLIED.) CEC 210.11(C(1)) \$ 210.52 5. ALL 15-20 AMP KITCHEN RECEPTACLES THAT ARE DESIGNED TO SERVE COUNTERTOP SURFACES, DISHWASHERS, BATHROOMS, IN
- UNDER-FLOOR SPACES OR BELOW GRADE LEVEL, IN EXTERIOR OUTLET, WITHIN 6' OF A LAUNDRY/UTILITY/WET BAR SINKS, LAUNDRY AREAS SPECIFIED SHALL HAVE (GFCI) GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. 2022 CEC Art. 210.3(A) 6. RECEPTACLES SHALL NOT BE INSTALLED WITHIN OR DIRECTLY OVER A BATHTUB OR SHOWER STALL. 2022 CEC Art. 406.9(C). LIGHT
- PENDANTS, CEILING FANS, LIGHTING TRACKS, ETC. SHALL NOT BE LOCATED WITHIN 3' HORIZONTALLY & 8' VERTICALLY ABOVE A SHOWER \$/OR BATHTUB THRESHOLD. 2022 CEC Art. 410.10(D) 7. FIXTURES, LAMP HOLDER & RECEPTACLES OUTLETS SHALL BE SECURELY SUPPORTED. A FIXTURE THAT WEIGHTS MORE THAN 6LBS OR EXCEEDS 16" IN ANY DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMP HOLDER. 2022 CEC Art.
- 410.30(a) OUTLET BOXES SHALL NOT BE USED AS THE SOLE SUPPORT FOR CEILING (PADDLE) FANS. 2022 CEC Art. 314.27(A) # (D) 8. OUTLETS IN KITCHEN MUST BE INSTALLED IN EVERY COUNTER SPACE 12" OR WIDER, NOT GREATER THAN 4' O.C. WITHIN 24" OF THE END OF ANY COUNTER SPACE # NOT HIGHER THAN 20" ABOVE COUNTER (CEC 210.52(C))
- 9. TWO SMALL APPLIANCE 20-AMP BRANCH CIRCUITS ARE REQUIRED FOR THE KITCHEN & ARE LIMITED TO SUPPLYING WALL & COUNTER SPACE OUTLETS FOR THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, & SIMILAR AREAS. NOTE: THE CIRCUITS CANNOT SERVE OUTSIDE PLUGS, RANGE HOOD, DISPOSALS, DISHWASHER OR MICROWAVES - ONLY THE REQUIRED COUNTERTOP/WALL OUTLETS INCLUDING THE REFRIGERATOR. CEC 210.11(C(1)) \$ 210.52(B)
- IO. ALL 120V SINGLE PHASE 15-20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS (I.E. RECEPTACLES, LIGHTS, SMOKE DETECTORS, ETC) INSTALLED IN DWELLING UNIT KITCHEN, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED COMBINATION-TYPE ARC-FAULT CIRCUIT INTERRUPTER, INSTALLED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT, (CEC 210.12(A))
- II. DEDICATED 20-AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE LAUNDRY RECEPTACLE OUTLET(S). CEC 210.11(C)(2). (THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS) 12. GROUNDING & BONDING OF ELECTRICAL INSTALLATIONS SHALL COMPLY WITH CEC ART. 250
- 13. BOND ALL METAL GAS & WATER PIPES TO GROUND. ALL GROUND CLAMPS SHALL BE ACCESSIBLE & OF AN APPROVED TYPE. (CEC 250.104)
- 14. PACIFIC GAS & ELECTRIC (PG&E) COMPANY APPROVAL IS REQUIRED FOR ELECTRICAL METER LOCATION PRIOR TO INSTALLATION. PANEL LOCATION SUBJECT TO SITE SPECIFIC CONDITIONS & SERVING UTILITY APPROVAL WHERE THIS PLAN IS USED. 15. AFTER BUILDING PERMIT HAS BEEN ISSUED THE OWNER \$/OR CONTRACTOR SHALL APPLY FOR ELECTRICAL \$ UTILITY GAS SERVICE REQUEST TO PACIFIC GAS & ELECTRIC COMPANY.
- 16. ALL NON-LOCKING TYPE 125-VOLT 15-20AMP RECEPTACLES IN THE DWELLING SHALL BE TAMPER-RESISTANT. (CED Art. 406.12) 17. RECEPTACLES SHALL BE INSTALLED AT 12' O.C. MAX IN WALLS STARTING AT 6' MAX FROM THE WALL END. WALLS LONGER THAN 2' SHALL HAVE A RECEPTACLE. HALLWAY WALLS LONGER AN 10' SHALL HAVE A RECEPTACLE IN HALLWAY. (CEC Art. 210.52(A)
- 18. ELECTRICAL RECEPTACLES OUTLETS, SWITCHES & CONTROLS FOR OCCUPANTS USE SHALL BE NO MORE THAN 48" & NOT LESS THAN 15" ABOVE FINISH FLOOR (R327.1.2)



SMOKE DETECTORS & CARBON MONOXIDE DETECTORS

2022 CRC SEC. R314 # R315 CARBON-MONOXIDE ALARMS SHALL BE INSTALLED IN DWELLING UNITS WITH FUEL-BURNING APPLIANCES OR WITH ATTACHED GARAGES (CRC R315)

- 2. ALL SMOKE DETECTORS & CARBON MONOXIDE DETECTORS WITHIN THE DWELLING UNIT ARE TO BE INTERCONNECTED.
- ALL DWELLING UNITS MUST HAVE SMOKE DETECTORS ON THE WALL OR CEILING 3. OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF
- BEDROOMS & IN EACH ROOM USED FOR SLEEPING PURPOSES.
- 4. IN THE HALLWAY & IN THE ROOM OPEN TO THE HALLWAY WHERE THE CEILING HEIGHT OF ROOM OPENING TO HALLWAY SERVING BEDROOMS EXCEEDS THAT OF THE HALLWAY BY 24" OR MORE
- ONE EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS.
- CARBON MONOXIDE DETECTORS MAY BE COMBINATION SMOKE/CARBON MONOXIDE DETECTORS.
- 7. INTERCONNECTION. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING OR SLEEPING UNIT, THE SMOKE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED.
- 8. POWER SOURCE. SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING PROVIDED THAT SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE & SHALL BE EQUIPPED WITH A BATTERY BACKUP. SMOKE ALARMS WITH INTEGRAL STROBES THAT ARE NOT EQUIPPED WITH BATTERY BACKUP SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM. SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT & WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVERCURRENT PROTECTION. 9. SMOKE ALARMS OR SMOKE DETECTORS SHALL BE INSTALLED A MIN OF 20' HORIZONTAL DISTANCE FROM A PERMANENTLY INSTALLED COOKING APPLIANCE. EXCEPTION: IONIZATION SMOKE ALARMS WITH AN ALARM-SILENCING SWITCH OR PHOTOELECTRIC SMOKE ALARMS SHALL BE PERMITTED TO BE INSTALLED IO' OR GREATER FROM A PERMANENTLY INSTALLED COOKING APPLIANCE. PHOTOELECTRIC SMOKE ALARMS SHALL BE PERMITTED TO BE INSTALLED GREATER THAN 6' FROM A PERMANENTLY INSTALLED COOKING APPLIANCE WHERE THE KITCHEN OR COOKING AREA & ADJACENT SPACES HAVE NO CLEAR INTERIOR PARTITIONS & THE IO' DISTANCES WOULD PROHIBIT THE PLACEMENT OF SMOKE ALARM OR SMOKE DETECTOR REQUIRED BY OTHER SECTIONS OF THE CODE. SMOKE ALARMS LISTED FOR USE IN CLOSE PROXIMITY TO A PERMANENTLY INSTALLED COOKING APPLIANCE. [R314.3.3] [NFPA72 SECTION 29.8.3.4]

LIGHTING NOTES

- ALL LIGHTING TO BE HIGH EFFICACY. 2. LIGHTING IN HABITABLE SPACES, (LIVING ROOMS, DINING ROOMS, KITCHEN & BEDROOMS) SHALL HAVE READILY ACCESSIBLE WALL-MOUNTED DIMMING CONTROLS.
- 3. FIXTURES, LAMP HOLDER & RECEPTACLES OUTLETS SHALL BE SECURELY SUPPORTED. A FIXTURE THAT WEIGHS MORE THAN 6LBS OR EXCEEDS 16" IN ANY DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMP HOLDER CEC ART. 410.30(a). OUTLET BOXES SHALL NOT BE USED AS THE SOLE SUPPORT
- FOR CEILING (PADDLE) FAN. 2022 CEC ART. 314-27(A)&(D) 4. ALL LIGHTING IN (BATHROOM, UTILITY ROOM, LAUNDRY ROOM, WALK IN CLOSETS \$ GARAGES) TO BE MANUAL ON, AUTOMATIC OFF, OCCUPANT SENSOR. (VACANCY SENSOR
- 5. OUTDOOR LIGHTING ATTACHED TO THE BUILDING TO BE HIGH EFFICACY, CONTROLLED BY A MANUAL ON & OFF SWITCH & ONE OF THE FOLLOWING AUTOMATIC CONTROLS
- 5.1. PHOTO CONTROL & MOTION SENSOR.
- 5.2. PHOTO CONTROL & AUTOMATIC TIME SWITCH CONTROOL. 5.3. ASTRONOMICAL TIME CLOCK CONTROL THAT AUTOMATICALLY TURNS THE
- OUTDOOR LIGHT OFF DURING DAYLIGHT HOURS. 5.4. EMCS THAT PROVIDES THE FUNCTIONALITY OF AN ASTRONOMICAL TIME CLOCK, DOES NOT HAVE AN OVERRIDE OR BYPASS SWITCH THAT ALLOWS THE LUMINARIES TO BE ALWAYS ON, & IS PROGRAMMED TO AUTOMATICALLY
- TURN THE OUTDOOR LIGHTING OFF DURING DAYLIGHT HOURS. 6. LUMINARIES RECESSED IN INSULATED CEILINGS MUST MEET FIVE REQUIREMENTS (CALIFORNIA ENERGY CODE 150.0(K)IC):
- 6.1. THEY MUST BE RATED FOR DIRECT INSULATION CONTACT (IC). 6.2. THEY MUST BE CERTIFIED AS AIRTIGHT (AT) CONSTRUCTION.
- 6.3. THEY MUST HAVE A SEALED GASKET OR CAULKING BETWEEN THE HOUSING \$ CEILING TO PREVENT FLOW OF HEATED OR COOLED AIR OUT OF LIVING AREAS & INTO THE CEILING CAVITY.
- 6.4. THEY MAY NOT CONTAIN A SCREW BASE SOCKETS 6.5. THEY SHALL CONTAIN A JA8 COMPLIANT LIGHT SOURCE
- 7. OUTDOOR LIGHTING SHALL BE SUITABLE FOR WET LOCATIONS. 8. ALL HIGH EFFICACY LIGHT FIXTURES SHALL BE CERTIFIED AS "HIGH EFFICACY" LIGHT FIXTURES BY THE CALIFORNIA ENERGY COMMISSION.
- 9. CONTRACTOR SHALL PROVIDE THE HOMEOWNER WITH A LUMINAIRE SCHEDULE GIVING THE LAMPS USED IN THE LUMINAIRES INSTALLED. (CGBSC 10-103(b)).
- 10. THE NUMBER OF BLANK ELECTRICAL BOXES MORE THAN 5' ABOVE FINISHED FLOOR SHALL NOT BE GREATER THAN THE NUMBER OF BEDROOMS. THESE ELECTRICAL BOXES MUST BE SERVED BY A DIMMER, VACANCY SENSOR, OR FAN SPEED CONTROL. (CEC 150(k)IB)

ACKSON AND SANDS ENSINEERING HAS PROVIDED THESE FLANS SOLLY FOR THE JEE AITHIN TUBA COUNTY I DOES NOT GIVE PERMISSION FOR USE OUTSIDE OF THIS AREA. REVIEWED FOR USE TO NOT THIS AREA. REVIEWED FOR THE USE PERMISSION FOR USE OUTSIDE OF THIS AREA. REVIEWED FOR USE PERMISSION FOR USE OUTSIDE OF THIS AREA. SOLUTION DIVISION INTIAL SUBMITTAL: 3/17/23 INTIAL SU	General Notes
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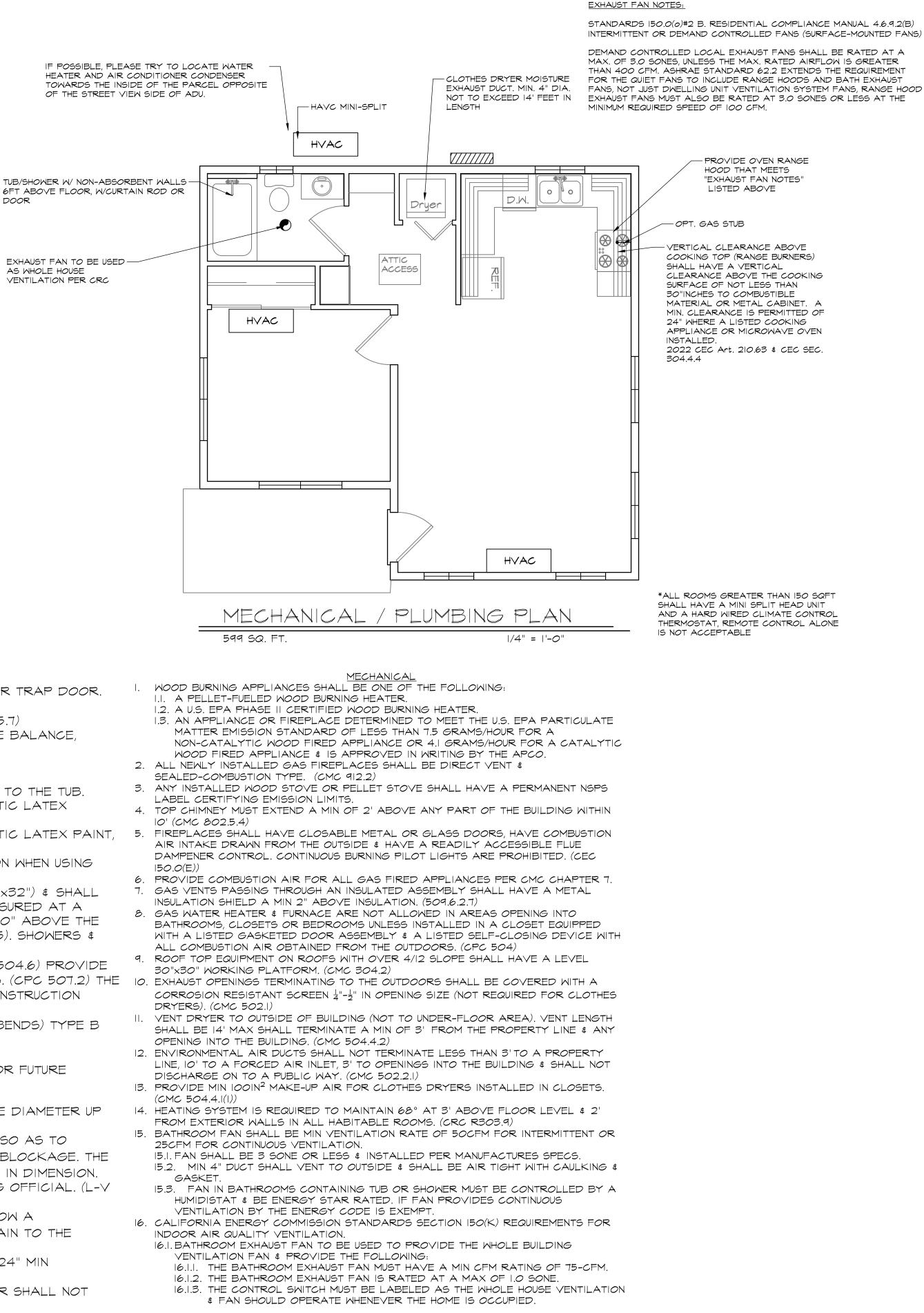
FIXTURE WATER FLOW RATE:

FIXTURE	G.P.F.	
WATER CLOSET	1.28 GPF	
KITCHEN FAUCET	1.8 GPF	
LAVATORY FAUCET	1.2 GPF	
SHOWERHEADS	2.0 GPF	

DEPTH TYPE WATER 12" SEWER 12"-27" GAS 12"-18" ELEC. 6"-18"

TRENCH DEPTH:

- <u>PLUMBING</u> I. UNDERFLOOR CLEANOUTS SHALL NOT BE MORE THAN 5' FROM AN UNDERFLOOR ACCESS, ACCESS DOOR OR TRAP DOOR.
- (CPC 707.9) 2. EXTERIOR HOSE BIBS SHALL BE EQUIPPED WITH A NON-REMOVABLE BACK-FLOW PREVENTION. (CPC 603.5.7)
- 3. SHOWER & TUB COMBINATIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE, THERMOSTATIC OF COMBINATION PRESSURE BALANCE THERMOSTATIC MIXING VALVE TYPE. (CPC 408.3) 4. KITCHEN SINKS REQUIRE A CLEANOUT ABOVE THE FLOOR LEVEL OF THE LOWEST FLOOR OF THE BUILDING.
- 5. AIR GAP FITTING REQUIRED AT DISHWASHER
- 6. WATER CLOSET SHALL BE POSITIONED TO HAVE A MIN 15" FROM ITS CENTER TO THE EDGE OF THE SINK & TO THE TUB. 7. ABS PIPING SHALL NOT BE EXPOSED TO DIRECT SUNLIGHT UNLESS PROTECTED BY WATER BASED SYNTHETIC LATEX
- PAINTS. (CPC 312.13) 8. PVC PIPING SHALL NOT BE EXPOSED TO DIRECT SUNLIGHT UNLESS PROTECTED BY WATER BASED SYNTHETIC LATEX PAINT, .04" THICK WRAP OR OTHERWISE PROTECTED FROM UV DEGRADATION. (CPC 312.14)
- 9. THE ADJACENT SPACE NEXT TO SHOWERS WITHOUT THRESHOLDS SHALL BE CONSIDERED A OWET LOCATION WHEN USING THE CRC, CBC, & THE CEC. (CPC 408.5)
- IO. SHOWER COMPARTMENTS, REGARDLESS OF SHAPE, SHALL HAVE A MIN FINISHED INTERIOR OF 10241N2 (32"x32") & SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30" CIRCLE THE REQUIRED AREA & DIMENSIONS SHALL BE MEASURED AT A HEIGHT EQUAL TO THE TOP OF THE THRESHOLD & SHALL BE MAINTAINED TO A POINT OF NOT LESS THAN 70" ABOVE THE SHOWER DRAIN OUTLET. (CPC 408.6) PROVIDE CURTAIN ROD OR DOOR A MIN OF 22" IN WIDTH (CPC 408.5). SHOWERS \$ TUBS WITH SHOWERS REQUIRE A NON-ABSORBENT SURFACE UP TO 6' ABOVE THE FLOOR. (CRC R307.2)
- II. WATER HEATERS: PROVIDE PRESSURE RELIEF VALVE WITH DRAIN TO OUTSIDE FOR WATER HEATER. (CPC 504.6) PROVIDE SEISMIC STRAPPING IN THE UPPER & LOWER THIRD OF THE WATER HEATER A MIN OF 4" ABOVE CONTROLS. (CPC 507.2) THE WATER HEATER SHALL BE OF AN INSTANTANEOUS TYPE OR THE FOLLOWING SHALL BE PROVIDED (NEW CONSTRUCTION ONLY (CEC 150(N)):
 - II.I. A 120V RECEPTACLES PROVIDED WITHIN 3' . A CATEGORY III OR IV VENT, OR A STRAIGHT (WITHOUT BENDS) TYPE B VENT
 - II.2. CONDENSATE DRAIN THAT IS NO MORE THAN 2" HIGHER THAN THE BASE OF THE WATER HEATER 11.3. WATER HEATERS USING GAS OR PROPANE SHALL DESIGNATE A SPACE 21/22/4 7' TALL SUITABLE FOR FUTURE
 - INSTALLATION OF HEAT PUMP WATER HEATER
 - 11.4. GAS SUPPLY LINE WITH A MIN 200,000 BTU/HR DEDICATED CAPACITY FOR THE WATER HEATER
 - 11.5. DOMESTIC HOT WATER LINES SHALL BE INSULATED. INSULATION SHALL BE THE THICKNESS OF THE PIPE DIAMETER UP TO 2" IN SIZE & MIN 2" THICKNESS FOR PIPES LARGER THAN 2" IN DIAMETER. (CPC 609.11)
 - 11.6. A 3" GRAVITY DRAIN SHALL BE PROVIDED AT THE LOW POINT OF UNDERFLOOR SPACES, INSTALLED SO AS TO PROVIDE $\frac{1}{2}$ "/FOOT GRADE & TERMINATE AT AN EXTERIOR POINT OF THE BUILDING PROTECTED FROM BLOCKAGE. THE OPENING SHALL BE SCREENED WITH A CORROSION-RESISTANT WIRE MESH WITH MESH OPENINGS OF $\frac{1}{2}$ " IN DIMENSION. LENGTHS OF THE GRAVITY DRAINS OVER 10' IN LENGTH SHALL BE FIRST APPROVED BY THE BUILDING OFFICIAL. (L-V 89)
 - 11.7. WATER HEATERS LOCATED IN ATTICS, CEILING ASSEMBLIES & RAISED FLOOR ASSEMBLIES SHALL SHOW A WATER-TIGHT CORROSION RESISTANT MIN $\frac{1}{2}$ " DEEP PAN UNDER THE WATER HEATER WITH A MIN $\frac{3}{4}$ " DRAIN TO THE EXTERIOR OF THE BUILDING. (CPC 507.5)
 - II.8. WATER CLOSET SHALL BE LOCATED IN A SPACE NOT LESS THAN 30" IN WIDTH (15" ON EACH SIDE) \$ 24" MIN CLEARANCE IN FRONT. (CPC 402.5)
 - II.9. THE MAX HOT WATER TEMPERATURE DISCHARGING FROM A BATHTUB OR WHIRLPOOL BATH-TUB FILLER SHALL NOT EXCEED 120°F. (CPC 418)
 - ILIO. PROVIDE ANTI-SIPHON VALVES ON ALL HOSE BIBS. (CPC 603.5.7)
 - II.II. FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER. (CPC 1007)
 - II.12. MAX WATER FLOW RATES. (CGBSC 4.303.1):
 - •WATER CLOSETS: 1.28-GPF
 - •URINALS: .125-GPF
 - •KITCHEN FAUCETS: 1.8-GPM @ 60PSI
 - ·LAVATORY FAUCETS: 1.2-GPM @ 60PSI
 - SHOWERHEADS: 1.8-GPM



General Notes JACKSON AND SANDS ENGINEERING HAS PROVIDED THESE PLANS SOLELY FOR THE USE WITHIN YUBA COUNTY & DOES NOT GIVE PERMISSION FOR USE OUTSIDE OF THIS AREA. **REVIEWED FOR** CODE COMPLIANCE - BD 04/17/2023 YUBA COUNTY BUILDING INSPECTION DIVISION Date Revision/Issue 3/1/23 INITIAL SUBMITTAL 3/17/23 PCI SUBMITTAL ROFESS c 0806 UBA COUNTY ADUS GRASSHOPPER 599 SQ.FT. Project Sheet 23-MOO 3/17/23 AS NOTED

	3LE 2304.10.1 NING SCHEDU			
CONNECTION	FASTEN	NING ^{a,m}	LOCATION	
I. JOIST TO SILL OR GIRDER	3-8d COMMON (2.	5" X O.I3I")	TOENAIL	
2. BRIDGING TO JOIST	2-8d COMMON (2.	5" X O.I3I")	TOENAIL EA. END	
3.1"X6" SUBFLOOR OR LESS TO EA. JOIST	2-8d COMMON (2.	5" X O.I3I")	FACE NAIL	
4. WIDER THAN I"X6" SUBFLOOR TO EA. JOIST	3-8d COMMON (2.	5" X O.I3I")	FACE NAIL	
5.2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON (2		BLIND AND FACENAIL	
6. SOLE PLATE TO JOIST OR BLOCKING	6d (3.5" × 0.135")	@ 6" O.C.	TYPICAL FACE NAIL	
SOLE PLATE TO JOIST OR BLOCKING @ BRACED WALL PANEL	3" - 16d (3.5" X O	. 35") @ 6" O.C.	BRACED WALL PANELS	
7. TOP PLATE TO STUD	2-16d COMMON (2	1.5" × 0.162")	END NAIL	
8. STUD TO SOLE PLATE	4-8d COMMON (2.	5" X 0. 3 ")		
	2-16d COMMON (3	.5" × 0. 62")	END NAIL	
9. DOUBLE STUDS	6d (3.5" × 0.135")	@ 24" <i>O.</i> C.	FACE NAIL	
IO. DOUBLE TOP PLATES	6d (3.5" × 0.135")	@ 6" O.C.	TYP. FACE NAIL	
	8-16d COMMON (2	2.5" × 0.162")	LAP SPLICE	
II. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-8d COMMON (2.	5" X O.I3I")	TOENAIL	
12. RIM JOIST TO TOP PLATE	&d (2.5" × 0.131")	@6" O.C.	TOENAIL	
13. TOP PLATES, LAPS AND INTERSECTIONS	2-16d COMMON (2	1.5" × 0.162")	FACE NAIL	
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3.5"	X 0. 62")	16" O.C. ALONG EDGE	
15. CEILING JOISTS TO PLATE	3-8d COMMON (2.	5" X O.I3I")	TOENAIL	
I6. CONTINUOUS HEADER TO STUD	4-8d COMMON (2.	5" X 0.131")	TOENAIL	
I7. CEILING JOISTS, LAPS OVER PARTITIONS SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3-16d COMMON (3		FACE NAIL	
IS. CEILING JOISTS TO PARALLEL RAFTERS SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	MINIMUM, TABLE 2308.10.4.1 3-16d COMMON (3.5" X 0.162") MINIMUM, TABLE 2308.10.4.1		FACE NAIL	
19. RAFTER TO PLATE	3-8d COMMON (2.		TOENAIL	
SEE SECTION 2308.10.1, TABLE 2308.10.1) 20.1" DIAGONAL BRACE TO EA. STUD AND PLATE	2-8d COMMON (2.	5" X 0. 3 ")		
21.1"X8" SHEATHING TO EA. BEARING	3-8d COMMON (2.5" X 0.131")			
22. WIDER THAN I"X8" SHEATHING TO EA. BEARING	3-8d COMMON (2.5" X 0.131")			
23. BUILT-UP CORNER STUDS	16d COMMON (3.5" × 0.162")			
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4" X 0.192") 32" O.C.			
	$2 - 200 \text{ COMMON}(4^{+} \times 0.192)$			
25. 2" PLANKS	16d COMMON (3.5" X 0.162")			
26. COLLAR TIE TO RAFTER		3-10d COMMON (3" X 0.148")		
27. JACK RAFTER TO HIP		3-10d COMMON (3" X 0.148")		
	2-16d COMMON (3.5" X 0.162")			
28. ROOF RAFTER TO 2 BY RIDGE BEAM	2-16d COMMON (3.5" X 0.162")			
	2-16d COMMON (3.5" × 0.162")			
29. JOIST TO BAND JOIST	3-16d COMMON (3.5" X 0.162")			
30. LEDGER STRIP	3-16d COMMON (2.5" X 0.131")			
31. WOOD STRUCTURAL PANELS AND	1/2" AND LESS	1/2" AND LESS 6d ^{c,1}		
PARTICLEBOARD SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) ⁶	19/32" TO 3/4"	8d ^d OR 6d ^e		
	7/8" TO I"	8d		
	/8" TO /4"	lOd ^c or 8d		
SINGLE FLOOR (COMBINATION	3/4" AND LESS	6d ^e		
SUBFLOOR-UNDERLAYMENT TO FRAMING)	7/8" TO I"	8d ^e		
	//8" TO /4"	IOd ^d or 8d ^e		
32. PANEL SIDING (TO FRAMING)	1/2" AND LESS	6d ^f		
	5/8" AND LESS	8d ^f		
33. FIVERBOARD SHEATHING	1/2" AND LESS	NO. 11 GA ROOFIN	NG NAIL h	
JULIYENDUARU DEATHING				
		6d COMMON NAIL		
		NO. 16 GA STAPL		
	25/32"	No. II GA ROOFIN		
		80 COMMON NAI		
		No. 16 GA STAPL		
34.INTERIOR PANELING	/4" 3/8"			

a. Common or box nails are permitted to be used except where otherwise noted.

b. Nails spaced at 6 inches on center at edges, 12 inches at intermediate supports except 6 inches at supports where spans are 48 inches or more. For nailing of wood structural panel and particle board diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.

c. Common or deformed shank (6d - 2" x 0.113";8d - 2 1/2" x 0.131"; 10d - 3" x 0.148").

d. Common (6d - 2" x 0.113";8d - 2 1/2" x 0.131"; 10d - 3" x 0.148").

e. Deformed shank (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148"). f. Corrosion resistant siding (6d - 1 7/8" × 0.106"; 8d - 2 3/8" × 0.128") or casing (6d - 2" × 0.099"; 8d - 2 1/2" × 113")

nail. q. Fasteners spaced 3 inches on center at exterior edges and 6 inches on center at intermediate supports, when used as structural sheathing. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications.

h. Corrosion resistant roofing nails with 7/16 inch dia. head and 1 1/2" inch length for 1/2" length for 1/2" inch sheathing and 1 3/4 inch length for 25/32 inch sheathing. . Corrosion resistant staples with nominal 7/16" crown and 1 1/8" length for 1/2" inch sheathing and 1 3/4" inch length for

25/32 inch sheathing . Casing (1 1/2" \times 0.080" or finish (1 1/2" \times 0.072") nails spaced 6" on panel edges, 12" at intermediate supports. k. Panel supports at 24". Casing or finish nails spaced 6" on panel edges, 12" at intermediate supports. I. For roof sheathing applications, 8d nails $(2 \ 1/2" \times 0.113")$ are the minimum required for wood structural panels.

m. Staples shall have a minimum crown width of 7/16 inch n. For roof sheathing applications, fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports

for subfloor and wall sheathing and 3 inches on center at edges, 6 inches at intermediate supports for roof sheathing. o. Fasteners spaced 4inches on center at edges, 8 inches at intermediate supports for subfloor and wall sheathing and 3 inches on center at edges, 6 inches at intermediate supports for roof sheathing. p. Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.

- I. EXCAVATION NEAR FOUNDATION FOR ANY PURPOSE SHALL NOT REDUCE LATERAL SUPPORT FROM ANY FOUNDATION OR ADJACENT FOUNDATION WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST DETRIMENTAL LATERAL OR VERTICAL MOVEMENT OR BOTH.
- WHERE UNDERPINNING IS CHOSEN TO PROVIDE THE PROTECTION OR SUPPORT OF ADJACENT STRUCTURES, THE UNDERPINNING STEM WALL SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH PROVISIONS OF CURRENT CALIFORNIA BUILDING CODE.
- UNDERPINNING SHALL BE INSTALLED IN A SEQUENTIAL MANNER THAT PROTECTS THE 1.2. COMMON FRAMING MEMBER: WHERE A COMMON FRAMING MEMBER IS REQUIRED AT NEIGHBORING STRUCTURE AND THE WORKING CONSTRUCTION SITE. THE ENGINEER OF ADJOINING PANEL EDGES, TWO FRAMING MEMBERS THAT ARE AT LEAST 2" NOMINAL RECORD SHALL BE NOTIFIED IF THIS CONDITION EXISTS TO ALLOW FOR THICKNESS SHALL BE PERMITTED PROVIDED THEY ARE FASTENED TOGETHER WITH PREPARATION OF CONSTRUCTION DOCUMENTS. FASTENERS DESIGNED IN ACCORDANCE WITH THE NDS TO TRANSFER THE INDUCED SHEAR BETWEEN MEMBERS. WHEN FASTENERS CONNECTING THE TWO FRAMING MEMBERS BACKFILLED WITH SOIL THAT IS FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS. ARE SPACED LESS THAN 4" ON CENTER, THEY SHALL BE STAGGERED
- 2. PLACEMENT OF BACKFILL: THE EXCAVATION OUTSIDE THE FOUNDATION SHALL BE COBBLES AND BOULDERS OR WITH CONTROLLED LOW-STRENGTH MATERIAL (CLSM). THE TENSION AND COMPRESSION CHORDS SHALL BE INSTALLED AT EACH END OF SHEAR BACKFILL SHALL BE PLACED IN LIFTS AND COMPACTED IN A MANNER THAT DOES NOT WALL DAMAGE THE FOUNDATION OR THE WATERPROOFING OR DAMPPROOFING MATERIAL. 4. FASTENERS: SHEATHING SHALL BE ATTACHED TO FRAMING MEMBERS USING NAILS OR 3. SITE GRADING: THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE OTHER APPROVED FASTENERS. NAILS SHALL BE DRIVEN WITH THE HEAD OF THE NAIL SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 5% FOR A MINIMUM FLUSH WITH THE SURFACE OF THE SHEATHING. OTHER APPROVED FASTENERS SHALL BE DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE WALL. IF PHYSICAL DRIVEN AS REQUIRED FOR PROPER INSTALLATION OF THAT FASTENER. SEE TABLE FOR OBSTRUCTIONS OR LOT LINES PROHIBIT IO FEET AN APPROVED METHOD OF DRAINAGE
- NAIL DIMENSIONS. AWAY FROM STRUCTURE SHALL BE USED. SWALES USED FOR THIS PURPOSE SHALL BE 5. ANCHOR BOLTS: FOUNDATION ANCHOR BOLTS SHALL HAVE A STEEL PLATE WASHER SLOPED A MINIMUM OF 2% WHERE LOCATED WITHIN 10 FEET OF BUILDING FOUNDATION. UNDER EACH NUT NOT LESS THAT 0.229"X3"X3" IN SIZE. THE HOLE IN THE PLATE WASHER IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED SHALL BE PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO BE LARGER A MIN. OF 2% AWAY FROM THE BUILDING. 2% SLOPES MAY BE USED WHEN APPROVED THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1-3/4", PROVIDED A BY THE ENGINEER OF RECORD. STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE 4. WHERE SHALLOW FOUNDATIONS WILL BEAR ON COMPACTED FILL MATERIAL, THE PLATE WASHER SHALL EXTEND TO WITHIN 1" OF THE BOTTOM PLATE ON THE SIDE(S) WITH COMPACTED FILL SHALL COMPLY WITH THE APPROVED GEOTECHNICAL REPORT. SHEATHING OR OTHER MATERIAL WITH NOMINAL UNIT SHEAR CAPACITY GREATER THAN 4.1. WHERE COMPACTED FILL MATERIAL 12 INCHES IN DEPTH OR LESS NEED NOT 400 PLF FOR WIND OR SEISMIC (TYPE D AND E SHEAR WALLS) EXCEPTIONS MAY APPLY COMPLY WITH AN APPROVED REPORT, PROVIDED THE IN-PLACE DRY DENSITY IS PER SECTION 4.3.6.4.3.
- NOT LESS THAN 90% OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM DI557. THE COMPACTION SHALL BE VERIFIED BY SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1705.6
- DAMPPROOFING AND WATERPROOFING: I. WALLS OR PORTIONS THEREOF THAT RETAIN EARTH AND ENCLOSE INTERIOR SPACES AND FLOORS BELOW GRADE SHALL BE WATERPROOFED AND DAMPPROOFED IN ACCORDANCE WITH THIS SECTION. VENTILATION FOR CRAWL SPACES SHALL COMPLY WITH CBC SECTION 1203.4 2. STORY ABOVE GRADE PLANE: WHERE A BASEMENT IS CONSIDERED A STORY ABOVE
- FLOOR AND WALLS SHALL BE DAMPPROOFED IN ACCORDANCE WITH THIS SECTION AND A FOUNDATION DRAIN SHALL BE INSTALLED. THE FINISHED GROUND LEVEL OF AN UNDER-FLOOR SPACE SUCH AS A CRAWL SPACE SHALL NOT BE LOCATED BELOW THE BOTTOM OF THE FOOTINGS. WHERE THERE IS EVIDENCE THAT THE GROUND WATER TABLE RISES TO WITHIN 6 INCHES OF THE GROUND LEVEL AT THE OUTSIDE BUILDING PERIMETER, OR THAT THE SURFACE WATER DOES NOT READILY DRAIN FROM THE BUILDING SITE, THE GROUND LEVEL OF THE UNDER-FLOOR SPACE SHALL BE AS HIGH AS THE OUTSIDE FINISHED GROUND LEVEL, UNLESS AN APPROVED DRAINAGE SYSTEM IS PROVIDED.
- 3.1. DAMPPROOFING MATERIALS FOR WALLS SHALL BE INSTALLED ON THE EXTERIOR SURFACE OF THE WALL, AND SHALL EXTEND FROM THE TOP OF THE FOOTING TO ABOVE GROUND LEVEL 3.2. DAMPPROOFING SHALL CONSIST OF A BITUMINOUS MATERIAL, 3 POUNDS PER
- SQUARE YARD OF ACRYLIC MODIFIED CEMENT, 🚽 COAT OF SURFACE BONDING MORTAR COMPLYING WITH ASTM C887, ANY OF THE MATERIALS PERMITTED FOR WATERPROOFING BY SECTION 1805.3.2 OR OTHER APPROVED METHODS OR MATERIALS
- 4. WHERE GROUND WATER IS UNCOVERED BY INVESTIGATION OR EXCAVATIONS THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY FOR WATERPROOFING SOLUTIONS
- 5. A DRAIN SHALL BE PLACED AROUND THE PERIMETER OF A FOUNDATION THAT CONSIST OF GRAVEL OR CRUSHED STONE CONTAINING NOT MORE THAN 10% MATERIAL THAT PASSES THROUGH A NO. 4 SIEVE. THE DRAIN SHALL EXTEND A MINIMUM OF 12" BEYOND THE OUTSIDE EDGE OF THE FOOTING. THE THICKNESS SHALL BE SUCH THAT THE BOTTOM BLOCKING SHALL BE 2" NOMINAL OR GREATER. OF THE DRAIN IS NOT HIGHER THAN THE BOTTOM OF THE BASE UNDER THE FLOOR, AND 7.2. GYPSUM WALLBOARD SHALL BE APPLIED PARALLEL OR PERPENDICULAR TO STUDS. THE TOP OF THE DRAIN IS NOT LESS THAN 6" ABOVE THE TOP OF THE FOOTING. THE GYPSUM WALLBOARD SHALL CONFORM TO ASTM C 1396 AND SHALL BE INSTALLED IN TOP OF THE DRAIN SHALL BE COVERED WITH AN APPROVED FILTER MEMBRANE ACCORDANCE WITH ASTM C 840. MATERIAL. WHERE A DRAIN TILE OR PERFORATED PIPE IS USED, THE INVERT OF THE 7.3. GYPSUM SHEATHING BOARD: 4' WIDE PIECES OF GYPSUM SHEATHING BOARD SHALL PIPE OR TILE SHALL NOT BE HIGHER THAN THE FLOOR ELEVATION. THE TOP OF JOINTS BE APPLIED PARALLEL OR PERPENDICULAR TO STUDS. 2' WIDE PIECES OF GYPSUM OR THE TOP OF PERFORATIONS SHALL BE PROTECTED WITH AN APPROVED FILTER SHEATHING BOARD SHALL BE APPLIED PERPENDICULAR TO THE STUDS. GYPSUM MEMBRANE MATERIAL SHEATHING BOARD SHALL CONFORM TO ASTM C 1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C 1280.
- 6. THE FLOOR BASE AND FOUNDATION PERIMETER DRAIN SHALL DISCHARGE BY GRAVITY OR MECHANICAL MEANS INTO AN APPROVED DRAINAGE SYSTEM THAT COMPLIES WITH THE CPC. WHEN A SITE IS LOCATED IN A WELL-DRAINED GRAVEL OR SAND/ GRAVEL MIXTURE SOILS, A DEDICATED DRAINAGE SYSTEM IS NOT REQUIRED.
- I. NO FILL OR OTHER SURCHARGE LOADS SHALL BE PLACED ADJACENT TO ANY BUILDING 2. IF CONDITIONS ARISE OUTSIDE THE SCOPE OF THESE PLANS, THE ENGINEER OF RECORD OR STRUCTURE UNLESS SUCH STRUCTURE IS CAPABLE OF WITHSTANDING THE SHALL BE NOTIFIED. ADDITIONAL LOADS CAUSED BY THE FILL OR SURCHARGE. ALL CONCRETE SHALL HAVE A MIN. STRENGTH OF 2,500 PSI (28 DAY) REINFORCEMENT BAR SHALL BE GRADE 40 FOR BARS #4 AND SMALLER AND GRADE ENGINEER OF RECORD SHALL BE NOTIFIED TO DETERMINE IF ADDITIONAL 60 FOR BARS #5 AND LARGER
- 2. IF VIBRATORY LOADS ARE TO BE PRESENT DURING THE USE OF THE STRUCTURE, THE CONSIDERATION IS REQUIRED TO PREVENT DETRIMENTAL DISTURBANCES OF THE SOIL. 3. IF EXPANSIVE SOILS ARE DISCOVERED THE ENGINEER OF RECORD SHALL BE NOTIFIED
- TO PROVIDE ADDITIONAL FOUNDATION DESIGN AND CONSTRUCTION REQUIREMENTS. 4. BUILDING CLEARANCE FROM ASCENDING SLOPES SHALL IN GENERAL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SHALLOW FAILURES.
- 5. FOUNDATION SETBACK FROM DESCENDING SLOPE SURFACE SHALL BE FOUNDED IN FIRM MATERIAL WITH AN EMBEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT
- DETRIMENTAL SETTLEMENT. 6. FOR FOUNDATIONS SUPPORTING GROUP R OR U OCCUPANCIES OF LIGHT-FRAME CONSTRUCTION, TWO STORIES OR LESS IN HEIGHT, ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 psi CONCRETE FOUNDATIONS ARE PERMITTED TO BE CAST AGAINST THE EARTH WHERE SOIL CONDITIONS DO NOT REQUIRE FORMWORK
- 8. SHALLOW FOUNDATIONS SHALL BE BUILT ON UNDISTURBED SOIL, COMPACTED FILL
- MATERIAL OR CLSM. COMPACTED FILL MATERIAL SHALL BE PLACED IN ACCORDANCE WITH CBC SECTION 1804.5 SHALL BE PERMITTED TO HAVE A SLOPE NOT EXCEEDING 10%. FOOTINGS SHALL BE STEPPED WHERE IT IS NECESSARY TO CHANGE THE ELEVATION OF THE TOP SURFACE OF THE FOOTING OR WHERE THE SURFACE OF THE GROUND SLOPES MORE THAN 10%. GROUND SURFACE. THE MIN. WIDTH OF FOOTING SHALL BE 12". FOR TWO STORIES, THE MIN DEPTH OF FOOTINGS SHALL BE 18" BELOW UNDISTURBED GROUND SURFACE AND THE MIN. WIDTH OF THE FOOTING SHALL BE 15".
- 9. THE TOP SURFACE OF FOOTINGS SHALL BE LEVEL. THE BOTTOM SURFACE OF FOOTINGS IO. FOR SINGLE STORIES, THE MIN. DEPTH OF FOOTINGS SHALL BE 12" BELOW UNDISTURBED
- ALL LOAD BEARING WALLS SHALL BE PLACED ON CONTINUOUS CONCRETE FOOTINGS BONDED INTEGRALLY WITH THE EXTERIOR WALL FOOTINGS.
- 12. MIN. SLAB THICKNESS SHALL BE 4". A 10-MIL POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6" SHALL BE PLACED BETWEEN THE BASE COURSE AND THE CONCRETE FLOOR SLAB. A VAPOR RETARDER IS NOT REQUIRED FOR DETACHED STRUCTURES ACCESSORY TO OCCUPANCIES IN GROUP R-3, SUCH AS GARAGES, UTILITY BUILDINGS OR OTHER UNHEATED FACILITIES.

EXCAVATION, GRADING AND FILL:

GRADE PLANE AND THE FINISHED GROUND LEVEL ADJACENT TO THE BASEMENT WALL IS BELOW THE BASEMENT FLOOR ELEVATION FOR 25% OR MORE OF THE PERIMETER, THE

FOUNDATIONS:

- SHEAR WALL NOTES: (PER SDPWS-2021) FRAMING REQUIREMENTS: ALL FRAMING MEMBERS AND BLOCKING USED FOR SHEAR
- WALL CONSTRUCTION SHALL BE 2" NOMINAL OR GREATER. WHERE SHEAR WALLS ARE DESIGNED AS BLOCKED, ALL JOINTS IN SHEATHING SHALL OCCUR OVER AND BE FASTENED TO COMMON FRAMING MEMBERS OR COMMON BLOCKING. SHEAR WALL BOUNDARY ELEMENTS, SUCH AS END POSTS, SHALL BE PROVIDED TO TRANSMIT THE DESIGN TENSION AND COMPRESSION FORCES. SHEAR WALL SHEATHING SHALL NOT BE USED TO SPLICE BOUNDARY ELEMENTS. END POSTS (STUDS OR COLUMNS) SHALL BE FRAMED TO PROVIDE FULL END BEARING.

- . WOOD STRUCTURAL PANEL SHEAR WALL CONSTRUCTION: PANELS SHALL NOT BE LESS THAN 4'X8', EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING.
- 6.1. ALL EDGES OF PANELS SHALL BE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING. 6.2. NAILS SHALL BE LOCATED AT LEAST & FROM THE PANEL EDGES. MAXIMUM NAIL
- SPACING AT PANEL EDGES SHALL BE 6" ON CENTER. NAILS ALONG INTERMEDIATE FRAMING MEMBERS SHALL BE THE SAME SIZE AS NAILS 63 SPECIFIED FOR PANEL EDGE NAILING. AT INTERMEDIATE FRAMING MEMBERS, THE MAXIMUM NAILING SPACING SHALL BE 6" ON CENTER. WHERE PANELS ARE THICKER THAN 10" NOMINAL OR STUDS ARE SPACED LESS THAN 24" ON CENTER, THE MAXIMUM
- NAIL SPACING SHALL BE 12" ON CENTER. THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS AND BLOCKING SHALL BE 2" 6.4. NOMINAL OR GREATER.
- WHERE ANY OF THE FOLLOWING CONDITIONS OCCUR, THE WIDTH OF THE NAILED FACE 6.5. OF A COMMON FRAMING MEMBER OR BLOCKING AT ADJOINING PANEL EDGES SHALL BE 3" NOMINAL OR GREATER AND NAILING SHALL BE STAGGERED AT ALL PANEL EDGES (IN LIEU OF A SINGLE COMMON FRAMING MEMBER, TWO FRAMING MEMBERS
- THAT ARE AT LEAST 2" IN NOMINAL THICKNESS SHALL BE PERMITTED) 6.5.1. NAIL SPACING OF 2" ON CENTER AT ADJOINING PANEL EDGES IS SPECIFIED (TYPE E SHEAR WALL), OR
- 6.5.2. IOD COMMON NAILS HAVING PENETRATION INTO FRAMING MEMBERS AND BLOCKING OF MORE THAN 1-1/2" ARE SPECIFIED AT 3" ON CENTER, OR LESS AT ADJOINING PANEL EDGES, OR
- THE NOMINAL UNIT SHEAR CAPACITY ON EITHER SIDE OF THE SHEAR WALL, TYPE 6.5.3. E, EXCEEDS 700 PLF IN SEISMIC DESIGN CATEGORY D, E, OR F. 6.6. MAXIMUM STUD SPACING SHALL BE 24" ON CENTER
- WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS FOR ITS TYPE 67 7. SHEAR WALL CONSTRUCTION WITH GYPSUM WALLBOARD OR GYPSUM SHEATHING BOARD SHALL MEET THE FOLLOWING REQUIREMENTS:
- 7.1. END JOINTS OF ADJACENT COURSES OF GYPSUM WALLBOARD OR SHEATHING SHALL NOT OCCUR OVER THE SAME STUD. THE SIZE AND SPACING OF FASTENERS AT SHEAR WALL BOUNDARIES, PANEL EDGES, AND INTERMEDIATE SUPPORTS SHALL BE PER SHEAR WALL SCHEDULE. NAILS SHALL BE LOCATED AT LEAST & FROM THE EDGES AND ENDS OF PANELS. THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS AND

GENERAL NOTES:

- ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENTLY ACCEPTED EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND CBC STANDARDS, AND CALIFORNIA RESIDENTIAL BUILDING CODE CRC.
- BOTTOM HORIZONTAL REINFORCING BAR PLACED IN THE FOOTING SHALL BE 3" CLEAR OF BOTTOM OF FOOTING. TOP HORIZONTAL REINFORCING BAR PLACED IN THE FOOTING SHALL BE 2" CLEAR OF THE TOP OF THE FOOTING

