

County of Yuba Community Development & Services Agency

Building Department

915 8TH 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.



ACCESSORY DWELLING UNIT | BEDROOM, | BATH

JACKSON AND SANDS
ENGINEERING HAS PROVIDED
THESE PLAN 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**

Revision/Issue INITIAL SUBMITTAL PCI SUBMITTAL:

599 SQ. FT.

YOU ASSUME ALL RESPONSIBILITY AND RISK

"AS IS" WITHOUT REPRESENTATIONS OR WARRANTIES OF ANY KIND, EITHER EXPRESS

FOR YOUR USE OF THE PLANS ARE PROVIDED

OR IMPLIED, INCLUDING WARRANTIES OF TITLE

NON-INFRINGEMENT, OR IMPLIED WARRANTIES

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

COMPLIANT WITH ALL APPLICABLE LAWS. BY

JSING THESE PLANS YOU AGREE TO DEFEND (WITH COUNSEL OF COUNTY'S CHOOSING),

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.

OF MERCHANTABILITY OR FITNESS FOR A

SUITABLE FOR YOUR PURPOSES AND

PROJECT DESCRIPTION:

DETACHED, ACCESSORY DWELLING UNIT

OWNER:

ADDRESS:

APN #:

NEW CONSTRUCTION OF A 599 SQUARE FOOT,

23-M001 3/17/23

AS NOTED



ORDINANCES AS AMENDED BY THE LOCAL

* FIRE SPRINKLERS ARE REQUIRED IF THE

FIRE SPRINKLERS OR WILL REQUIRE FIRE

SPRINKLERS IF BEING NEWLY CONSTRUCTED.

HOUSE THAT THIS ADU IS ACCESSORY TO, HAS

JURISDICTION.

BUILDING INFO	RMATION:	PLAN SELEC	TION INFO
OCCUPANCY GROUP:	R-3	FLOOR PLAN:	ROOF MATE
CONSTRUCTION TYPE:	V-B	M GTANDARD	
STORIES:	1	STANDARD -REVERSE	COMP(
BUILDING HEIGHT:	16' MAX		
FLOOR AREA:	599 SF	EXTERIOR WALL MATE	<u>KIAL:</u>
COVERED PORCH:	63 SF	STUCCOFU	
FIRE SPRINKLERS:	SITE SPECIFIC*	$\boxtimes -\frac{1}{2}$ columns $\boxtimes -LA$	AP SIDING
W.U.I.:	Y OR N	EXTERIOR WINDOW TRE	EATMENT:
FLOOD ZONE:		│ │ │ │ -DECORATIVE SHU ⁻	rte r s
FLOOD ZONE:		TRELLIS ABOVE M	
EIDM DANEL #			
FIRM PANEL #:		TITLE 24 ENERGY REQUIREMEN	NTS:
BUILDING SHALL COMPLY WIT CODE: CRC 2022, CEC 2022 2022, CFC 2022, CGBC 2023 AND ALL STATE, FEDERAL AN ORDINANCES AS AMENDED B	, CMC 2022, CPC 2, CEnC 2022, ND LOCAL	I. WINDOWS: U-FACTOR= 0.2 SHGC=0.23 2. INSULATION: WALLS= R-21 FLOOR= SLAB,	8 4. WAT
OKUINANCES AS AMENDED B	T THE LOCAL		

ATTIC= R-38

NO RADIANT BARRIER

VENTILATION= $\frac{1}{150}$ SQ.FT.

3. ROOF REQUIREMENTS:

RAFTERS= R-19

PLAN SELECTI	ON INFORMATION:	
OOR PLAN:	ROOF MATERIAL:	
-STANDARD -REVERSE	-COMPOSITION SHINGLES -METAL	
(TERIOR WALL MATERI	AL:	_
]-STUCCO	COLUMNS SIDING	
KTERIOR WINDOW TREA	XTMENT:	
]-DECORATIVE SHUTT]-TRELLIS ABOVE WIN		
E 24 ENERGY REQUIREMENTS	5:	
		1

4.	WATER HEATER: HEAT PUMP	
	SIZE: 40 GAL	
	ENERGY FACTOR: 3.1	
ED 5.	HERS TESTING REQUIREMENTS:	
	PER CALCULATIONS	
6.	AIR CONDITIONING:	
	HEATING: 8.2 HSPF2	
		1

K HEATER: HEAT PUMP	ı
SIZE: 40 GAL	
ENERGY FACTOR: 3.1	
TESTING REQUIREMENTS:	
PER CALCULATIONS	
ONDITIONING:	
HEATING: 8.2 HSPF2	
COOLING: 14 SEER2	
II.7 EER2	
DUCT LOCATION:	
NONE	

	SECTIONS	A6 - A6.1	SDS =	0.494	
	ELECTRICAL	A7	SDI =	NULL	
	MECHANICAL & PLUMBING	A8	TL =	12	
	STRUCTURAL NOTES	SI	R0 =	1.3	
	STRUCTURAL DETAILS	52 - 54	R =	6.5	
			SNOW LOAD =	15 PSF	
OR: 3.1 5: TIONS			WIND: MAIN WIND SYSTEM, ALL HE	FORCE RESISTING	
HSPF2			ASCET-16, CHP 2	,	
SEER2			WIND SPEED =	95 MPH	
EER2 DN:			EXPOSURE =	C	
			ENCLOSURE =	ENCLOSED	

PAGES:

| =

SS =

SI =

SMS =

SMI =

GNI - GN5

A2 - A2.3

SHEET INDEX:

SHEER WALL & FRAMING PLAN

COVER SHEET

NOTE SHEETS

FLOOR PLAN

ELEVATIONS

ROOF PLAN

FOUNDATION

DESIGN CRITERIA:

FORCE PROCEDURE, ASCET-16, CHP

0.543

0.249

0.742

NULL

SEISMIC: EQUIVALENT LATERAL

M.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 10-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 10-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.I. NONCOMBUSTIBLE MATERIAL
 - 3.2. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE & SHALL MEET THE REQUIREMENTS OF SECTION
- 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
- 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 26ama & INSTALLED OVER NO LESS THAN ONE LAYER OF MIN. 72LBS MÍNERAL SURFACED NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 & AT LEAST 36" WIDE RUNNING THE FULL LENGTH (R337.5.3)
- 10. 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 L & SHALL NOT EXCEED &" IN DIAMETER.
 - 13.2. THE MESH MATERIAL SHALL BE NONCOMBUSTIBLE
 - 13.3. THE MESH MATERIAL SHALL BE CORROSION RESISTANT.

M.U.I NOTES

- 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
- 4.4. 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 268
- 4.5. ONE LAYER OF &" TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE OF THE FLOOR
- 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 ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN 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 9'0-3"
- 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 \$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. CEMENT MORTAR CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE BY THE ENFORCING AGENCY. METHOD ACCEPTABLE BY YUBA COUNTY BUILDING DIVISION WOULD BE LOW YOU CAULKING WITH NON-COMBUSTIBLE FILLING MATERIAL

EXTERIOR BUILDING FINISH

ATTIC GABLE & EAVES ABOVE 12' & UNDER FLOOR VENTILATION SHALL BE PROVIDED WITH FULLY COVERED METAL WIRE MESH, VENTS, OR OTHER MATERIALS THAT HAVE A MIN & MAX &" OPENINGS, NON-COMBUSTIBLE & CORROSION RESISTANT. ALL OTHER EAVE VENTS SHALL BE LISTED/APPROVED TO RESIST THE INTRUSION OF FLAME & BURNING EMBERS. (CRC337.6.2)

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 BASINS 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.Sapm OR THE SHOWER STALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO OPERATE AT A
- 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.
- RECYCLE \$ /OR REUSE A MIN OF 65% OF NON-HAZARDOUS CONSTRUCTION & DEMOLITION WASTE (CGBSC 4.408.2)
- 8. AT TIME OF FINAL INSPECTION, A BUILDING OPERATION \$ MAINTENANCE MANUAL, COMPACT DISC, ETC SHALL BE PROVIDED CONTAINING THE FOLLOWING:
- 8.1. DIRECTIONS THAT MANUAL SHALL REMAIN ONSITE FOR THE LIFE
- 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) 10. 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)
- 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 \$ 2 LAYERS OF 15LB FELT (OR EQUIVALENT) UNDER STONE VENEER.
- 5. STUCCO SHALL HAVE A MIN CLEARANCE TO EARTH OF 4" \$ 2" TO PAVED SURFACES WITH AN APPROVED WEEP SCREED. (CRC R703.7.2.1) MASONRY STONE VENEER SHALL BE FLASHED BENEATH THE FIRST COURSE OF MASONRY & PROVIDED WITH WEEP HOLES IMMEDIATELY ABOVE THE FLASHING. (CRC R703.8.5 & R703.8.6)
- 6. FLOORS & WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS & IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NON ABSORBENT SURFACE & SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6' ABOVE FINISHED FLOOR (CRC

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

GARAGE & CARPORT

- GARAGE SHALL BE SEPARATED FROM THE DWELLING UNIT & ATTIC AREA BY 5" 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 5" 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 IN THICK OR A 20-MINUTE RATED FIRE DOOR. DOORS SHAL! 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 SHALL COMPLY WITH THE FOLLOWING CODE DESIGN CODES 2022 CBC, 2022 CEC, 2022 CMC, 2022 CPC, 2022 CRC, 2022 CENC, 2022 CALGREEN, 2022 CFC

599 SQ. FT

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E PLANS ARE PROVIDED "AS IS" WITHOUT REPRESENTATION

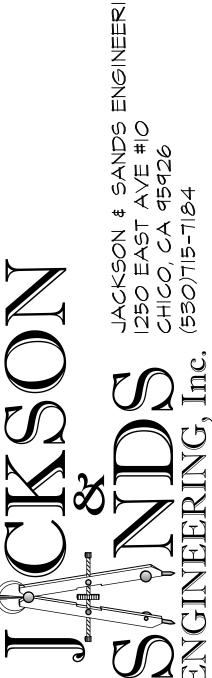
JACKSON AND SANDS ENGINEERING HAS PROVIDED THESE PLAN SOLELY FOR THE USE WITHIN YUBA COUNTY & DOES NOT

OUTSIDE OF THIS AREA. REVIEWED FOR **CODE COMPLIANCE - BD**

GIVE PERMISSION FOR USE

04/17/2023

YUBA COUNTY BUILDING INSPECTION DIVISION



Revision/Issue

NITIAL SUBMITTAL

PCI SUBMITTAL

Date

3/1/23

3/17/23

23-MOO 3/17/23 Scale AS NOTED 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, $31\frac{1}{2}$ " BETWEEN A HANDRAIL ON ONE SIDE \$ 27" WITH HANDRAILS ON TWO SIDES. VARIATION BETWEEN RISER HEIGHTS $\frac{3}{6}$ " MAX. A NOSING NOT LESS THAN $\frac{3}{4}$ " BUT NOT MORE THAN $1\frac{1}{4}$ " 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 $1\frac{1}{4}$ " 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 R3II.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 $1\frac{1}{4}$ -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 $6\frac{1}{4}$ ". A MIN CLEARANCE OF $1\frac{1}{2}$ " 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 48" 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 I 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 2x8 SOLID LUMBER. LOCATED BETWEEN 32" \$ 39½" 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, SMITCHES & 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)

- 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 $\frac{1}{2}$ " Sheetrock or sprinkler system. (R302.13)
- 2. UNDER FLOOR VENTILATION AREA EQUAL TO IFT² 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)

GE

- 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 R3IO.2.1 & CRC R3IO.2.2) WINDOW WELLS, LADDERS, & STEPS SHALL COMPLY WITH CRC R3IO.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 15LBS TO OPERATE THE EMERGENCY ESCAPE & RESCUE OPENINGS. (CRC R3IO.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: I/I50 OF ATTIC AREA OR I/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 I6 (TRUCKEE REGION), THE NET AREA MAY BE REDUCED TO I/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)
- 5. UNDER FLOOR CROSS VENTILATION: MIN IFT² FOR EACH ISOFT² 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 I,500FT² OF UNDER-FLOOR SPACE. ONE VENTILATION OPENING SHALL BE WITHIN 3' OF EACH CORNER OF THE BUILDING (CRC R408.I). 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 &
 - 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.
 - & 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 $7\frac{3}{4}$ " WHEN THE DOOR DOES NOT SWING OVER THE LANDING & $1\frac{1}{2}$ " WHEN DOOR SWINGS ONTO THE LANDING. OTHER THAN REQUIRED EXTERIOR EXIT DOORS MAY HAVE A THRESHOLD OF $7\frac{3}{4}$ " 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 STAIRWAY. (CRC R311.3-R311.3.2)

CLEARANCES & TREATMENT FOR WOOD FRAMING WEATHER EXPOSED GLULAM, BEAMS & POSTS SHALL BE PRESSURE TREATED OR SHALL BE WOOD OF NATURAL RESISTANCE TO DECAY

- (CRC R3|7.1.3 \$ 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
- MOISTURE BARRIER. (CRC R317.1.4 EXC.)

 3. COLUMNS IN ENCLOSED CRAWL SPACES OR UNEXCAVATED AREAS LOCATED WITHIN THE PERIPHERY OF THE BUILDING SHALL BE PRESSURE TREATED OR NATURAL RESISTANCE TO DECAY UNLESS THE COLUMN IS SUPPORTED BY A CONCRETE PIER OR METAL PEDESTAL OF A HEIGHT 8" OR MORE \$ THE EARTH IS COVERED BY
- AN IMPERVIOUS MOISTURE BARRIER. (CRC R317.1.4 EXC. 2)

 4. DECK POSTS SUPPORTED BY CONCRETE PIERS OR METAL
 PEDESTALS PROJECTING NOT LESS THAN I" ABOVE A CONCRETE
 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.

- I. SLOPE DRAINAGE 6" WITHIN THE FIRST IO' 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 IO' 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 1:10 (V:H).
- 3. CONCRETE SLABS: $3\frac{1}{2}$ " MIN (CRC R506.1). SLABS UNDER LIVING AREAS & GARAGES SHALL BE REINFORCED WITH WIRE 6"x6", IO GAUGE X IO GAUGE WELDED MESH OR EQUIVALENT STEEL REINFORCEMENT & 4" THICKNESS OF $\frac{3}{6}$ 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: ½" ANCHOR BOLTS OR APPROVED ANCHORS AT 6' O.C. MAX FOR ONE-STORY (CRC R403.I.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

- 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)

 10. 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)
- I2. GROUNDING & BONDING OF ELECTRICAL INSTALLATIONS SHALL COMPLY WITH CEC
 ART. 250
 I3. 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
- 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)
- 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)

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.
- 3. 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
- 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
- 210.52 (D), (F) & (G))
 7. FURNACES INSTALLED IN ATTICS & CRAWL SPACES SHALL HAVE AN ACCESS
 PLATFORM (CATWALK IN ATTICS), LIGHT SWITCH & RECEPTACLE IN THE SPACE.

CIRCUIT INTERRUPTER. (CEC 210.12)

- 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
 1 RECEPTACLE SHALL BE PROVIDED FOR EACH CAR SPACE. (210.52(G)(1))
- II. 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, BASEMENTS, ETC)
- 12. A 15/20-AMP RECEPTACLE SHALL BE INSTALLED WITHIN 50' OF ELECTRICAL SERVICE EQUIPMENT. (CEC 210.64)
- I3. 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 PENINSULAR 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
- 14. 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 210.52(A))
- 15. 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 & 8' 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)
- 17. 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
- 240V USE" (CEC 150.0(t)).

 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" (CEC 150.0(u)).
- 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(v)).

General Note

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GIVE PERMISSION FOR USE

OUTSIDE OF THIS AREA.

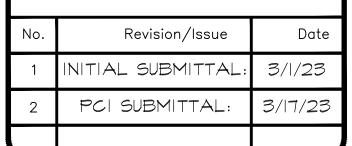
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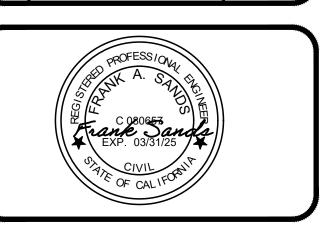
04/17/2023

YUBA COUNTY BUILDING INSPECTION DIVISION

ACKSON & SANDS ENGINEERING 1250 EAST AVE #10 CHICO, CA 95926

INTERNING, Inc. (530)715-7184





YUBA COUNTY ADUS

Project
23-MOOI

Date
3/17/23

Scale
AS NOTED

599 SQ. FT

HE PLANS ARE PROVIDED "AS IS" WITHOUT REPRESENTATION R WARRANTIES OF ANY KIND. EITHER EXPRESS OR IMPLIED LUDING WARRANTIES OF TITLE, NON-INFRINGEMENT, OR LIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ARTICULAR PURPOSE. WITHOUT LIMITATION OF THE FOREGO OU AGREE THAT IT IS YOUR RESPONSIBILITY TO ENSURE RIOR TO USE OF ANY PLANS, THAT SUCH PLANS ARE COURATE SUITABLE FOR YOUR PURPOSES AND COMPLIANT H ALL APPLICABLE LAWS. BY USING THESE PLANS YOU BREE TO DEFEND (WITH COUNSEL OF CITY'S CHOOSING) EMNIFY AND HOLD CITY, EMPLOYEES, VOLUNTEERS, AGEN D THE DESIGN PROFESSIONAL WHO PREPARED THESE NSTRUCTION DOCUMENTS, FREE AND HARMLESS FROM AN ND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, COSTS. PENSES, LIABILITY, LOSS, DAMAGE OR INJURY OF ANY KIN LAW OR FOULTY TO PROPERTY OR PERSONS INCLUDING IRONGFUL DEATH, IN ANY MANNER ARISING OUT OF, PERTAINI D, RELATED TO, OR INCIDENT TO ACCEPTANCE OF OR USE O

- 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
- 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
- 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)
- 10. 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
- 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 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
 - INSTALLATION OF HEAT PUMP WATER HEATER II.4. GAS SUPPLY LINE WITH A MIN 200,000 BTU/HR DEDICATED CAPACITY FOR THE WATER HEATER

A SPACE 25'x25' & 7' TALL SUITABLE FOR FUTURE

- 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 3. ANY INSTALLED WOOD STOVE OR PELLET STOVE SHALL HAVE A PERMANENT NSPS OF UNDERFLOOR SPACES, INSTALLED SO AS TO PROVIDE 1/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 4" IN DIMENSION. LENGTHS OF THE GRAVITY DRAINS OVER 10' IN LENGTH SHALL BE FIRST APPROVED BY THE BUILDING OFFICIAL. (L-V 8.9)
- 11.7. WATER HEATERS LOCATED IN ATTICS, CEILING ASSEMBLIES \$ RAISED FLOOR ASSEMBLIES SHALL SHOW A WATER-TIGHT CORROSION RESISTANT MIN 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
- II.II. FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER. (CPC 1007)
- II.I2. MAX WATER FLOW RATES. (CGBSC 4.303.I):
- 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

- 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
- 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

LESS THAN 3'.

- 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.
- ROOMS & AREAS WITHIN DWELLING UNITS, BASEMENTS & ATTACHED GARAGES IN WHICH ESS ARE INSTALLED SHALL BE PROTECTED BY SMOKE ALARMS IN ACCORDANCE WITH SEC. R314. A HEAT DETECTOR, LISTED & INTERCONNECTED TO THE SMOKE ALARMS, SHALL BE INSTALLED IN LOCATIONS WITHIN DWELLING UNITS \$ ATTACHED GARAGES WHERE SMOKE ALARMS CANNOT BE INSTALLED BASED ON
- THEIR LISTING. 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.
- 10. THE TEMPORARY USE OF AN OWNER OR OCCUPANT'S ELECTRIC-POWERED VEHICLE TO POWER A DWELLING UNIT WHILE PARKED IN AN ATTACHED OR DETACHED GARAGE OR OUTDOOR SHALL COMPLY WITH THE VEHICLE MANUFACTURER'S INSTRUCTIONS & THE CALIFORNIA ELECTRICAL CODE
- 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
- II.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:

INSULATION SHIELD A MIN 2" ABOVE INSULATION. (509.6.2.7)

- I.I. A PELLET-FUELED WOOD BURNING HEATER. I.2. A U.S. EPA PHASE II CERTIFIED WOOD BURNING HEATER.
- I.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)
- 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
- 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 1-1 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, IO' 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 1001N2 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 SPECS 15.2. MIN 4" DUCT SHALL VENT TO OUTSIDE & SHALL BE AIR TIGHT WITH CAULKING &
- 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.I.I. 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.

- I. 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
- 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 JAS COMPLIANT LIGHT SOURCE
- 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. 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

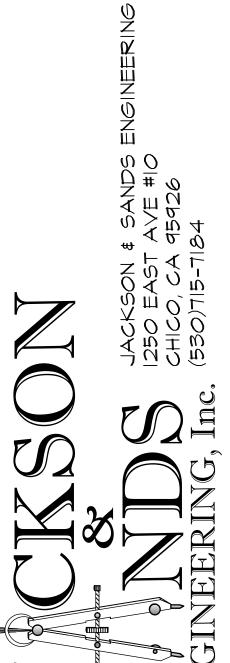
SMOKE DETECTORS & CARBON MONOXIDE DETECTORS

- 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. 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
- 5. ONE EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS.
- CARBON MONOXIDE DETECTORS MAY BE COMBINATION SMOKE/CARBON MONOXIDE
- 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 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 10' 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 10' 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]

JACKSON AND SANDS ENGINEERING HAS PROVIDED THESE PLAN SOLELY FOR THE USE WITHIN YUBA COUNTY & DOES NOT GIVE PERMISSION FOR USE OUTSIDE OF THIS AREA.

> REVIEWED FOR **CODE COMPLIANCE - BD**

YUBA COUNTY BUILDING INSPECTION DIVISION



Revision/Issue INITIAL SUBMITTAL 3/17/23 PCI SUBMITTAL



599 SQ. FT

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23-M00 3/17/23 AS NOTED

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE RESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

Y N/A RESPON. CHAPTER 3 **GREEN BUILDING SECTION 301 GENERAL 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, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7. 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 building's conditioned area, volume, or size. The requirements shall apply only to and/or within the 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 4.106.4.3 for application. Note: Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section. Note: On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or 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 other important enactment dates. 301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] The provisions of 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 high-rise buildings, no banner will be used. SECTION 302 MIXED OCCUPANCY BUILDINGS 302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy. 1. [HCD] Accessory structures and accessory occupancies serving residential buildings shall comply with Chapter 4 and Appendix A4, as applicable. 2. [HCD] For purposes of CALGreen, live/work units, complying with Section 419 of the California Building Code, shall not be considered mixed occupancies. Live/Work units shall comply with Chapter 4 and Appendix A4, as applicable. DIVISION 4.1 PLANNING AND DESIGN **ABBREVIATION DEFINITIONS:** Department of Housing and Community Development California Building Standards Commission Division of the State Architect, Structural Safety OSHPD Office of Statewide Health Planning and Development High Rise Additions and Alterations RESIDENTIAL MANDATORY MEASURES **SECTION 4.102 DEFINITIONS** 4.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) FRENCH DRAIN. A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar pervious material used to collect or channel drainage or runoff water WATTLES. Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials such as hav, straw or similar material shaped in the form of tubes and placed on a downflow slope. Wattles are also 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, management of storm water drainage and erosion controls shall comply with this section. 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 property, prevent erosion and retain soil runoff on the site. Retention basins of sufficient size shall be utilized to retain storm water on the site. 2. 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 3. Compliance with a lawfully enacted storm water management ordinance. Note: 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 total disturbs one acre or more of soil. (Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html) **4.106.3 GRADING AND PAVING.** Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following: . Water collection and disposal systems B. French drains Water retention gardens 5. Other water measures which keep surface water away from buildings and aid in groundwater **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. 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: 1.1 Where there is no local utility power supply or the local utility is unable to supply adequate 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 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 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 overcurrent 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 California Electrical 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 shall be permanently and visibly marked as "EV CAPABLE".

4.106.4.2 New multifamily dwellings, hotels and motels and new residential parking facilities. When parking is provided, parking spaces for new multifamily dwellings, hotels and motels shall meet the requirements of Sections 4.106.4.2.1 and 4.106.4.2.2. Calculations for spaces shall be rounded up to the nearest whole number. A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by a local jurisdiction. See Vehicle Code Section 22511.2 4.106.4.2.1Multifamily development projects with less than 20 dwelling units; and hotels and motels with less than 20 sleeping units or quest rooms. The number of dwelling units, sleeping units or guest rooms shall be based on all buildings on a project site subject to **1.EV Capable.** Ten (10) percent of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Electrical load calculations shall demonstrate that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces at a minimum of 40 amperes. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code. 1.When EV chargers (Level 2 EVSE) are installed in a number equal to or greater than the required number 2. When EV chargers (Level 2 EVSE) are installed in a number less than the required number of EV capable spaces, the number of EV capable spaces required may be reduced by a number equal to the number of EV chargers installed a.Construction documents are intended to demonstrate the project's capability and capacity for facilitating b.There is no requirement for EV spaces to be constructed or available until receptacles for EV charging or EV chargers are installed for use 2.EV Ready. Twenty-five (25) percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily parking facilities, no more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit. Exception: Areas of parking facilities served by parking lifts. 4.106.4.2.2 Multifamily development projects with 20 or more dwelling units, hotels and motels with 20 or more The number of dwelling units, sleeping units or guest rooms shall be based on all buildings on a project site subject to 1.EV Capable. Ten (10) percent of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Electrical load calculations shall demonstrate that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces at a minimum of 40 amperes. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code. Exception: When EV chargers (Level 2 EVSE) are installed in a number greater than five (5) percent of parking spaces required by Section 4.106.4.2.2, Item 3, the number of EV capable spaces required may be reduced by a number equal to the number of EV chargers installed over the five (5) percent required. a. Construction documents shall show locations of future EV spaces. b.There is no requirement for EV spaces to be constructed or available until receptacles for EV charging or 2.EV Ready. Twenty-five (25) percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily parking facilities, no more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit. Exception: Areas of parking facilities served by parking lifts. 3.EV Chargers. Five (5) percent of the total number of parking spaces shall be equipped with Level 2 EVSE. Where common use parking is provided, at least one EV charger shall be located in the common use parking area and shall be available for use by all residents or guests. When low power Level 2 EV charging receptacles or Level 2 EVSE are installed beyond the minimum required, an automatic load management system (ALMS) may be used to reduce the maximum required electrical capacity to each space served by the ALMS. The electrical system and any on-site distribution transformers shall have sufficient capacity to deliver at least 3.3 kW simultaneously to each EV charging station (EVCS) served by the ALMS. The branch circuit shall have a minimum capacity of 40 amperes, and installed EVSE shall have a capacity of not less than 30 amperes. ALMS shall not be used to reduce the minimum required electrical capacity to the required EV capable spaces. 4.106.4.2.2.1 Electric vehicle charging stations (EVCS). Electric vehicle charging stations required by Section 4.106.4.2.2, Item 3, shall comply with Section 4.106.4.2.2.1. Exception: Electric vehicle charging stations serving public accommodations, public housing, motels and hotels shall not be required to comply with this section. See California Building Code, Chapter 11B, for applicable 4.106.4.2.2.1.1 Location. EVCS shall comply with at least one of the following options: 1.The charging space shall be located adjacent to an accessible parking space meeting the requirements of the California Building Code, Chapter 11A, to allow use of the EV charger from the accessible parking space. 2.The charging space shall be located on an accessible route, as defined in the California Building Code, Exception: Electric vehicle charging stations designed and constructed in compliance with the California Building Code, Chapter 11B, are not required to comply with Section 4.106.4.2.2.1.1 and Section 4.106.4.2.2.1.2 Electric vehicle charging stations (EVCS) dimensions. The charging spaces shall be designed to comply with the following: 1. The minimum length of each EV space shall be 18 feet (5486 mm). 2. The minimum width of each EV space shall be 9 feet (2743 mm). 3.One in every 25 charging spaces, but not less than one, shall also have an 8-foot (2438 mm) wide minimum aisle. A 5-foot (1524 mm) wide minimum aisle shall be permitted provided the minimum width of the EV space is a.Surface slope for this EV space and the aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083 4.106.4.2.2.1.3 Accessible EV spaces. In addition to the requirements in Sections 4.106.4.2.2.1.1 and 4.106.4.2.2.1.2, all EVSE, when installed, shall comply with the accessibility provisions for EV chargers in the California Building Code, Chapter 11B. EV ready spaces and EVCS in multifamily developments shall comply with California Building Code, Chapter 11A, Section 1. Single EV space required. Install a listed raceway capable of accommodating a 208/240-volt dedicated 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 enclosure in close proximity to the location or the proposed location of the EV space. Construction documents shall identify the raceway termination point, receptacle or charger location, as applicable. The service panel and/ or subpanel shall

have a 40-ampere minimum dedicated branch circuit, including branch circuit overcurrent protective device

Exception: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is

installed in close proximity to the location or the proposed location of the EV space, at the time of original

2.Multiple EV spaces required. Construction documents shall indicate the raceway termination point and the

electrical load calculations. Plan design shall be based upon a 40-ampere minimum branch circuit. Required

raceways and related components that are planned to be installed underground, enclosed, inaccessible or in

location of installed or future EV spaces, receptacles or EV chargers. Construction documents shall also provide information on amperage of installed or future receptacles or EVSE, raceway method(s), wiring schematics and

installed, or space(s) reserved to permit installation of a branch circuit overcurrent protective device.

construction in accordance with the California Electrical Code.

concealed areas and spaces shall be installed at the time of original construction.

xception: A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the location or the proposed location of the EV space at the time of original construction in accordance with the California Electrical Code. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code. 4.106.4.2.5 Electric Vehicle Ready Space Signage. Electric vehicle ready spaces shall be identified by signage or pavement markings, in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its 4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing When new parking facilities are added, or electrical systems or lighting of existing parking facilities are added or altered and the work requires a building permit, ten (10) percent of the total number of parking spaces added or altered shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. 1. Construction documents are intended to demonstrate the project's capability and capacity for facilitating future 2. There is no requirement for EV spaces to be constructed or available until EV chargers are installed for use. DIVISION 4.2 ENERGY EFFICIENCY 4.201 GENERAL 4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards. DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION 4.303 INDOOR WATER USE 4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the sections 4.303.1.1, 4.303.1.2, 4.303.1.3. Note: All noncompliant plumbing fixtures in any residential real property shall be replaced 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 seg., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates. 4.303.1.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets. Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume 4.303.1.2 Urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush. The effective flush volume of all other urinals shall not exceed 0.5 gallons per flush. 4.303.1.3 Showerheads. **4.303.1.3.1 Single Showerhead.** Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads. 4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to only allow one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead. 4.303.1.4 Faucets. 4.303.1.4.1 Residential Lavatory Faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gallons per minute at 60 psi. The minimum flow rate of residential layatory faucets shall not be less than 0.8 gallons per minute at 20 psi. 4.303.1.4.2 Lavatory Faucets in Common and Public Use Areas. The maximum flow rate of lavatory faucets installed in common and public use areas (outside of dwellings or sleeping units) in residential buildings shall not exceed 0.5 gallons per minute at 60 psi. 4.303.1.4.3 Metering Faucets. Metering faucets when installed in residential buildings shall not deliver 4.303.1.4.4 Kitchen Faucets. The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per Note: Where complying faucets are unavailable, aerators or other means may be used to achieve When installed, shall meet the requirements in the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Sections 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 (d)(7) and shall be equipped with an integral automatic shutoff. FOR REFERENCE ONLY: The following table and code section have been reprinted from the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section TABLE H-2 STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019 PRODUCT CLASS MAXIMUM FLOW RATE (gpm) [spray force in ounce force (ozf)] Product Class 1 (≤ 5.0 ozf) Product Class 2 (> 5.0 ozf and \leq 8.0 ozf) Product Class 3 (> 8.0 ozf) Title 20 Section 1605.3 (h)(4)(A): Commercial prerinse spray values manufactured on or after January 1, 2006, shall have a minimum spray force of not less than 4.0 ounces-force (ozf)[113 grams-force(gf)] 4.303.2 Submeters for multifamily buildings and dwelling units in mixed-used residential/commercial Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the California Plumbing Code **4.303.3 Standards for plumbing fixtures and fittings.** Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code. THIS TABLE COMPILES THE DATA IN SECTION 4.303.1, AND IS INCLUDED AS A CONVENIENCE FOR THE USER. TABLE - MAXIMUM FIXTURE WATER USE

SHOWER HEADS (RESIDENTIAL)

USE AREAS

KITCHEN FAUCETS

METERING FAUCETS

WATER CLOSET

LAVATORY FAUCETS (RESIDENTIAL)

LAVATORY FAUCETS IN COMMON & PUBLIC

1.8 GMP @ 80 PSI

MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20

0.5 GPM @ 60 PSI

1.8 GPM @ 60 PSI

0.2 GAL/CYCLE

1.28 GAL/FLUSH

0.125 GAL/FLUSH

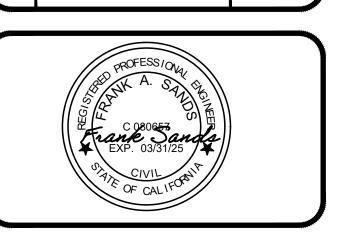
NOT APPLICABLE 4.304 OUTDOOR WATER USE 4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code Regulations. Title 23. Chapter 2.7, Division 2. MWELO and supporting documents, including water budget calculator, are available at: https://www.water.ca.gov/ DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE **EFFICIENCY** 4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE 4.406.1 RODENT PROOFING. Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing 4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING 4.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65 percent of the non-hazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent local construction and demolition waste management ordinance. **Exceptions** 1 Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably 3. The enforcing agency may make exceptions to the requirements of this section when isolated jobsites are located in areas beyond the haul boundaries of the diversion facility. **4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN**. Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as necessary and shall be available during construction for examination by the enforcing agency. 1. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale. 2. Specify if construction and demolition waste materials will be sorted on-site (source separated) or 3. Identify diversion facilities where the construction and demolition waste material collected will be 4. Identify construction methods employed to reduce the amount of construction and demolition waste 5. Špecify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. **4.408.3 WASTE MANAGEMENT COMPANY.** Utilize a waste management company, approved by the enforcing agency, which can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with Section 4.408.1 Note: The owner or contractor may make the determination if the construction and demolition waste materials will be diverted by a waste management company. .408.4 WASTE STREAM REDUCTION ALTERNATIVE [LR]. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 3.4 lbs./sq.ft. of the building area shall meet the minimum 65% construction waste reduction requirement in 4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 2 pounds per square foot of the building area, shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1 .408.5 DOCUMENTATION. Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 4.408.2, items 1 through 5, Section 4.408.3 or Section 4.408.4... 1. 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. 2. Mixed construction and demolition debris (C & D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle). 4.410 BUILDING MAINTENANCE AND OPERATION **4.410.1 OPERATION AND MAINTENANCE MANUAL.** At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building: 1. Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure. 2. Operation and maintenance instructions for the following: a. 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 b. Roof and yard drainage, including gutters and downspouts. c. Space conditioning systems, including condensers and air filters. d. Landscape irrigation systems. 3. Information from local utility, water and waste recovery providers on methods to further reduce resource consumption, including recycle programs and locations. 4. Public transportation and/or carpool options available in the area. 5. Educational material on the positive impacts of an interior relative humidity between 30-60 percent and what methods an occupant may use to maintain the relative humidity level in that range. 6. Information about water-conserving landscape and irrigation design and controllers which conserve 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation 8. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc. 9. Information about state solar energy and incentive programs available. 10. A copy of all special inspections verifications required by the enforcing agency or this code. 11. Information from the Department of Forestry and Fire Protection on maintenance of defensible space around residential structures. 12. Information and/or drawings identifying the location of grab bar reinforcements. **4.410.2 RECYCLING BY OCCUPANTS.** Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waster, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive.

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> REVIEWED FOR **CODE COMPLIANCE - BD**

> > 04/17/2023

YUBA COUNTY BUILDING INSPECTION DIVISION



Revision/Issue

NITIAL SUBMITTAL

PCI SUBMITTAL

599 SQ. FT.

Scale AS NOTED

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDIVIDUAL NEEDS. THE END USER TO MEET THOSE 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 USE OF THIS DOCUMENT, INCLUDING 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 IMPLIE

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section

The provisions of this chapter shall outline means of reducing the quality of air contaminants that are odorous,

irritating and/or harmful to the comfort and well being of a building's installers, occupants and neighbors.

AGRIFIBER PRODUCTS. Agrifiber products include wheatboard, strawboard, panel substrates and door

medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood,

structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and

wood I-joists or finger-jointed lumber, all as specified in California Code of regulations (CCR), title 17, Section

DIRECT-VENT APPLIANCE. A fuel-burning appliance with a sealed combustion system that draws all air for

cores, not including furniture, fixtures and equipment (FF&E) not considered base building elements.

combustion from the outside atmosphere and discharges all flue gases to the outside atmosphere.

DIVISION 4.5 ENVIRONMENTAL QUALITY

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

SECTION 4.501 GENERAL

SECTION 4.502 DEFINITIONS

5.102.1 DEFINITIONS

42649.82 (a)(2)(A) et seq. are note required to comply with the organic waste portion of

MARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITATION OF THE FOREGOING, " MARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITATION OF THE FOREGOING, " MAGREE 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 DE 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.

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

RESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Y N/A RESPON.
PARTY

TABLE A SOA O. OF ALANTWOOLINAT.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O³/g ROC).

Note: MIR values for individual compounds and hydrocarbon solvents are specified in CCR, Title 17, Sections 94700 and 94701.

MOISTURE CONTENT. The weight of the water in wood expressed in percentage of the weight of the oven-dry wood.

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this

article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

Note: PWMIR is calculated according to equations found in CCR, Title 17, Section 94521 (a).

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to

hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).

VOC. A volatile organic compound (VOC) broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain

4.503 FIREPLACES
4.503.1 GENERAL. Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.

4.504 POLLUTANT CONTROL
4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING
CONSTRUCTION. At the time of rough installation, during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of water, dust or debris which may enter the system.

4.504.2 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with this section.

4.504.2.1 Adhesives, Sealants and Caulks. Adhesives, sealant and caulks used on the project shall meet the requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply:

- Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Table 4.504.1 or 4.504.2, as applicable. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and tricloroethylene), except for aerosol products, as specified in Subsection 2 below.
- 2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with section 94507.

4.504.2.2 Paints and Coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 4.504.3 shall apply.

4.504.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings shall meet the Product-weighted MIR Limits for ROC in Section 94522(a)(2) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(e)(1) and (f)(1) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8, Rule 49.

4.504.2.4 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

Manufacturer's product specification.
 Field verification of on-site product containers.

(Less Water and Less Exempt Compounds in Grams per Liter)					
ARCHITECTURAL APPLICATIONS	VOC LIMIT				
INDOOR CARPET ADHESIVES	50				
CARPET PAD ADHESIVES	50				
OUTDOOR CARPET ADHESIVES	150				
WOOD FLOORING ADHESIVES	100				
RUBBER FLOOR ADHESIVES	60				
SUBFLOOR ADHESIVES	50				
CERAMIC TILE ADHESIVES	65				
VCT & ASPHALT TILE ADHESIVES	50				
DRYWALL & PANEL ADHESIVES	50				
COVE BASE ADHESIVES	50				
MULTIPURPOSE CONSTRUCTION ADHESIVE	70				
STRUCTURAL GLAZING ADHESIVES	100				
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250				
OTHER ADHESIVES NOT LISTED	50				
SPECIALTY APPLICATIONS					
PVC WELDING	510				
CPVC WELDING	490				
ABS WELDING	325				
PLASTIC CEMENT WELDING	250				
ADHESIVE PRIMER FOR PLASTIC	550				
CONTACT ADHESIVE	80				
SPECIAL PURPOSE CONTACT ADHESIVE	250				
STRUCTURAL WOOD MEMBER ADHESIVE	140				
TOP & TRIM ADHESIVE	250				
SUBSTRATE SPECIFIC APPLICATIONS					
METAL TO METAL	30				
PLASTIC FOAMS	50				
POROUS MATERIAL (EXCEPT WOOD)	50				
WOOD	30				
FIBERGLASS	80				

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

(Less Water and Less Exempt Compounds in Gr	ams per Liter)
SEALANTS	VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NON-POROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

TABLE 4.504.3 - VOC CONTENT LIMITS FOR

COATING CATEGORY	VOC LIMIT		
FLAT COATINGS	50		
NON-FLAT COATINGS	100		
NONFLAT-HIGH GLOSS COATINGS	150		
SPECIALTY COATINGS			
ALUMINUM ROOF COATINGS	400		
BASEMENT SPECIALTY COATINGS	400		
BITUMINOUS ROOF COATINGS	50		
BITUMINOUS ROOF PRIMERS	350		
BOND BREAKERS	350		
CONCRETE CURING COMPOUNDS	350		
CONCRETE/MASONRY SEALERS	100		
DRIVEWAY SEALERS	50		
DRY FOG COATINGS	150		
FAUX FINISHING COATINGS	350		
FIRE RESISTIVE COATINGS	350		
FLOOR COATINGS	100		
FORM-RELEASE COMPOUNDS	250		
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500		
HIGH TEMPERATURE COATINGS	420		
INDUSTRIAL MAINTENANCE COATINGS	250		
LOW SOLIDS COATINGS	120		
MAGNESITE CEMENT COATINGS	450		
MASTIC TEXTURE COATINGS	100		
METALLIC PIGMENTED COATINGS	500		
MULTICOLOR COATINGS	250		
PRETREATMENT WASH PRIMERS	420		
PRIMERS. SEALERS. & UNDERCOATERS	100		
REACTIVE PENETRATING SEALERS	350		
	250		
RECYCLED COATINGS			
ROOF COATINGS	50		
RUST PREVENTATIVE COATINGS	250		
SHELLACS	720		
CLEAR	730		
OPAQUE SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100		
STAINS	250		
STONE CONSOLIDANTS	450		
SWIMMING POOL COATINGS	340		
TRAFFIC MARKING COATINGS	100		
TUB & TILE REFINISH COATINGS	420		
WATERPROOFING MEMBRANES	250		
WOOD COATINGS	275		
WOOD COATINGS WOOD PRESERVATIVES	350		
ZINC-RICH PRIMERS	350		

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS

SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS

ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

AVAILABLE FROM THE AIR RESOURCES BOARD.

Υ	N/A	RESPON. PARTY			ľ	/ N	/A RES
			TABLE 4.504.5 - FORMALDEHYDE LIMITS				
			MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MI	LLION			
			PRODUCT CURRE	NT LIMIT	_	1	_
			HARDWOOD PLYWOOD VENEER CORE 0	05	-		_
			HARDWOOD PLYWOOD COMPOSITE CORE 0	05			
			PARTICLE BOARD 0	09			
			MEDIUM DENSITY FIBERBOARD 0	11			
			THIN MEDIUM DENSITY FIBERBOARD2 0	13			
			VALUES IN THIS TABLE ARE DERIVED FROM THOSE SF				
			BY THE CALIF. AIR RESOURCES BOARD, AIR TOXICS CON MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCOR WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THRO 93120.12.	TROL DANCE CALIF.		J [
			2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16" (8 MM).				
<u> </u>			DIVISION 4.5 ENVIRONMENTAL QUALITY (C 4.504.3 CARPET SYSTEMS. All carpet installed in the building interior shall meet Department of Public Health, "Standard Method for the Testing and Evaluation of V from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (California Specification 01350)	the requirements of the California olatile Organic Chemical Emission Emission testing method for	าร		
			See California Department of Public Health's website for certification programs and https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx	J			
<u>.</u>			4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior California Department of Public Health, "Standard Method for the Testing and Chemical Emissions from Indoor Sources Using Environmental Chambers," (Emission testing method for California Specification 01350)	d Evaluation of Volatile Organic	е		
			See California Department of Public Health's website for certification prograr	Ğ			
			https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VO	C.aspx.			
			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, resilient flooring shall meet the requirements of the California Department of Public Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Source Version 1.2, January 2017 (Emission testing method for California Specification 01)	Health, "Standard Method for the s Using Environmental Chambers	Ľ) [
			See California Department of Public Health's website for certification programs and	3			
			hhtps://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.asp	(.			
			4.504.5 COMPOSITE WOOD PRODUCTS. Hardwood plywood, particleboard and composite wood products used on the interior or exterior of the buildings shall mee formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood by or before the dates specified in those sections, as shown in Table 4.504.5	the requirements for			
			4.504.5.1 Documentation. Verification of compliance with this section shall by the enforcing agency. Documentation shall include at least one of the follows:				
			 Product certifications and specifications. Chain of custody certifications. Product labeled and invoiced as meeting the Composite Wood Pro CCR, Title 17, Section 93120, et seq.). Exterior grade products marked as meeting the PS-1 or PS-2 stan Wood Association, the Australian AS/NZS 2269, European 636 3S 0121, CSA 0151, CSA 0153 and CSA 0325 standards. Other methods acceptable to the enforcing agency. 	dards of the Engineered			
			4.505 INTERIOR MOISTURE CONTROL 4.505.1 General. Buildings shall meet or exceed the provisions of the California Buildings shall meet or exceed the provision of the California Buildings shall meet or exceed the provision of the California Buildings shall	uilding Standards Code.			
]			4.505.2 CONCRETE SLAB FOUNDATIONS. Concrete slab foundations required California Building Code, Chapter 19, or concrete slab-on-ground floors required to California Residential Code, Chapter 5, shall also comply with this section.				
)			4.505.2.1 Capillary break. A capillary break shall be installed in compliance following:	with at least one of the			
			 A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clear a vapor barrier in direct contact with concrete and a concrete mix of shrinkage, and curling, shall be used. For additional information, stated ACI 302.2R-06. Other equivalent methods approved by the enforcing agency. A slab design specified by a licensed design professional. 	lesign, which will address bleedin			
)			4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS. Building materials w shall not be installed. Wall and floor framing shall not be enclosed when the framing moisture content. Moisture content shall be verified in compliance with the followin	members exceed 19 percent			
			 Moisture content shall be determined with either a probe-type or contact-moisture verification methods may be approved by the enforcing agency found in Section 101.8 of this code. Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (121) 	and shall satisfy requirements	nd		
			of each piece verified. 3. At least three random moisture readings shall be performed on wall and acceptable to the enforcing agency provided at the time of approval to er	loor framing with documentation			
			Insulation products which are visibly wet or have a high moisture content shall be re enclosure in wall or floor cavities. Wet-applied insulation products shall follow the recommendations prior to enclosure.	eplaced or allowed to dry prior to			
			4.506 INDOOR AIR QUALITY AND EXHAUST 4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated following:	and shall comply with the			
			 Fans shall be ENERGY STAR compliant and be ducted to terminate outs Unless functioning as a component of a whole house ventilation system, humidity control. 				
			a. Humidity controls shall be capable of adjustment between a relative equal to 50% to a maximum of 80%. A humidity control may utilize adjustment. b. A humidity control may be a separate component to the exhaust faintegral (i.e., built-in) Notes:	e manual or automatic means of			
			Notes: 1. For the purposes of this section, a bathroom is a room which conta tub/shower combination. 2. Lighting integral to bathroom exhaust fans shall comply with the C				
			4 507 ENVIDONMENTAL COMEODT				

4.507 ENVIRONMENTAL COMFORT 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be

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),

3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential

Exception: Use of alternate design temperatures necessary to ensure the system functions are

sized, designed and have their equipment selected using the following methods:

ASHRAE handbooks or other equivalent design software or methods.

Equipment Selection), or other equivalent design software or methods.

RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

CHAPTER 7

INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

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 or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

- State certified apprenticeship programs.
- Public utility training programs.
 Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
- 4. Programs sponsored by manufacturing organizations.5. Other programs acceptable to the enforcing agency.
- **702.2 SPECIAL INSPECTION [HCD].** When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with 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 to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:
- 1. 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 performance contractors, and home energy auditors.
- Successful completion of a third party apprentice training program in the appropriate trade.
 Other 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).

[BSC] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with 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 from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

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.

703 VERIFICATIONS

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

General Notes

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REVIEWED FOR CODE COMPLIANCE - BD

04/17/2023

YUBA COUNTY
BUILDING INSPECTION DIVISION

CKSON & SANDS ENGINEER

SOUTHERING, Inc. (530)715-7184

No.	Revision/Issue	Date
1	INITIAL SUBMITTAL:	3/1/23
2	PCI SUBMITTAL:	3/17/23

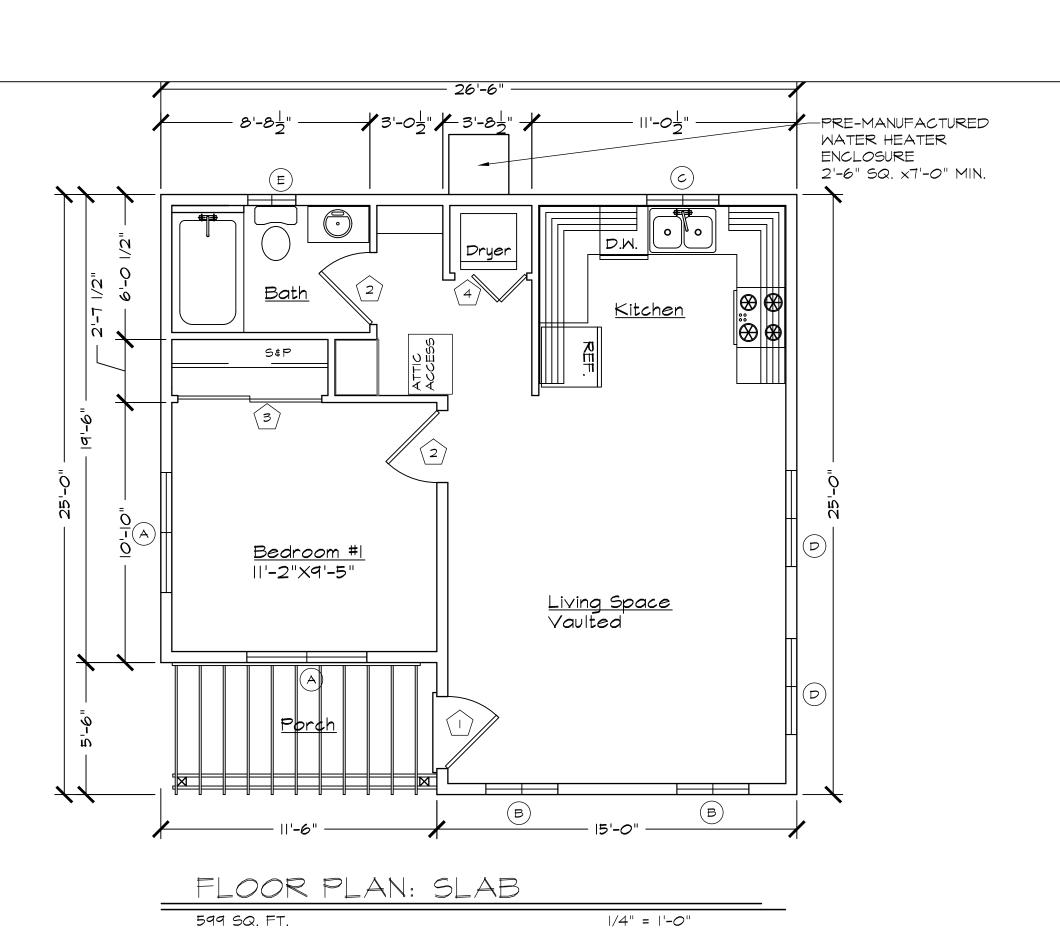


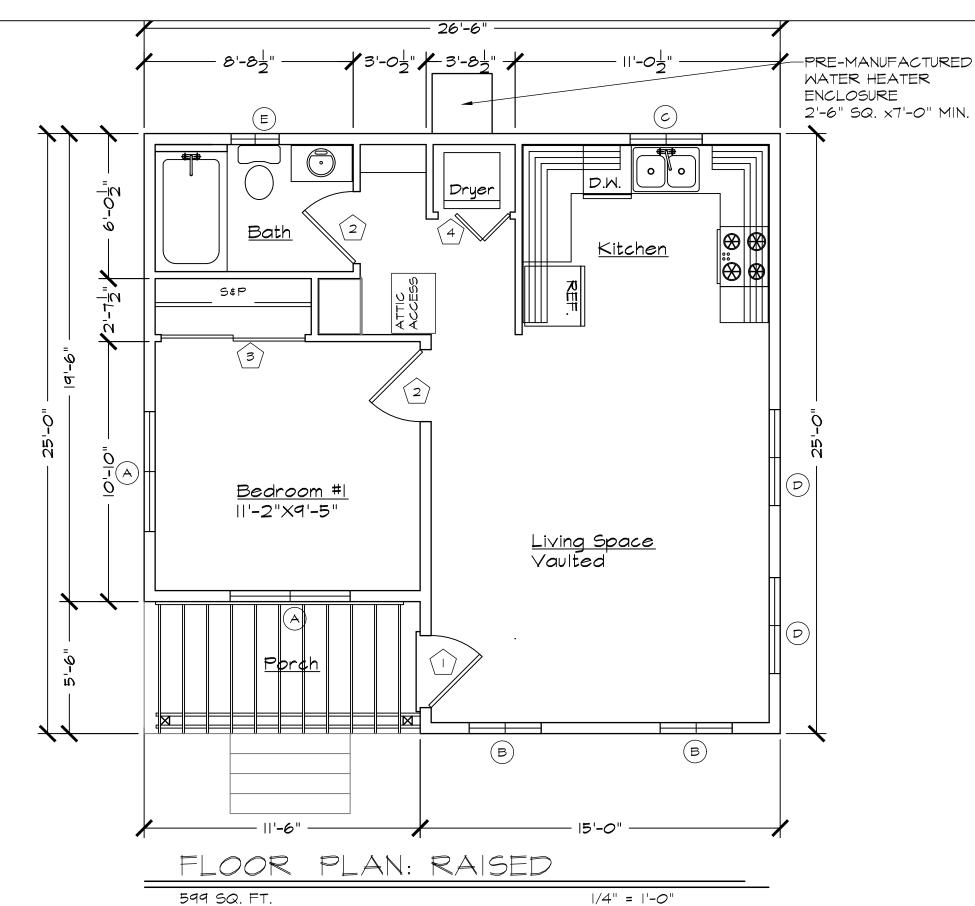
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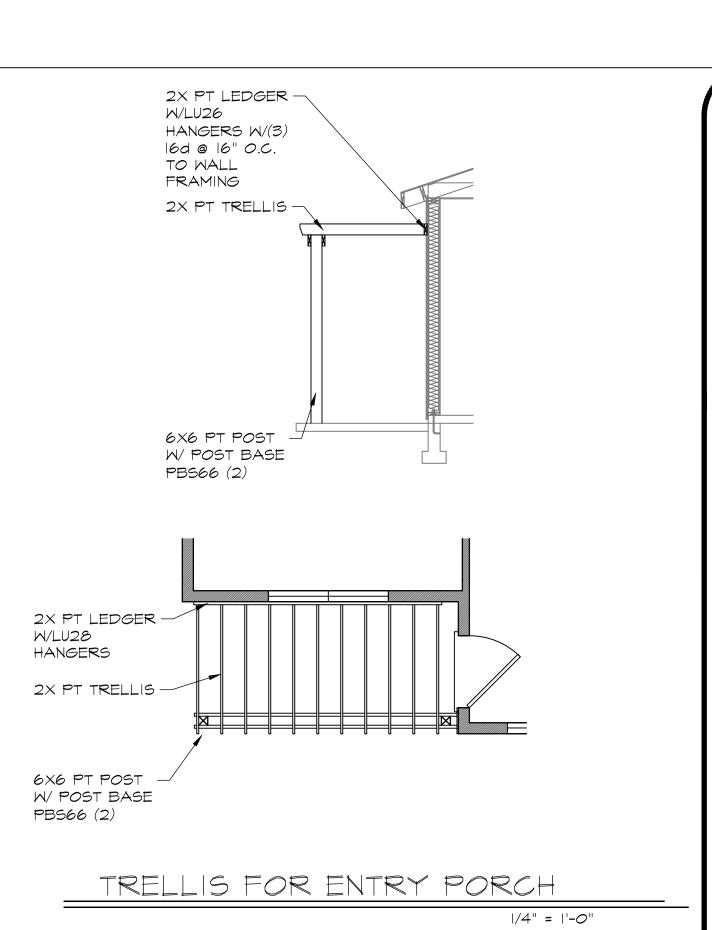
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Date
3/17/23
Scale

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04/17/2023

YUBA COUNTY **BUILDING INSPECTION DIVISION**

Revision/Issue INITIAL SUBMITTAL PCI SUBMITTAL: 3/17/23



599 SQ. FT.

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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 COMPLIAN

WITH ALL APPLICABLE LAWS. BY USING THESE PLANS YOU AGREE TO

DEFEND (WITH COUNSEL OF CITY'S CHOOSING), INDEMNIFY AND HOLD C EMPLOYEES, VOLUNTEERS, AGENTS, AND THE DESIGN PROFESSIONAL WH

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 INCIDEN

23-M001 Scale AS NOTED

DOOR SCHEDULE

DOOR		DOOR SIZE		DOOR	CORE	MATERIAL	FRAME	NOTEC
SYMBOL	WIDTH	HEIGHT	THICK	TYPE	CORE	MATERIAL	FRAME	NOTES:
	3'-0"	6'-8"	1-3/4"	SINGLE DOOR	SOLID	VNL/GLASS	MOOD	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

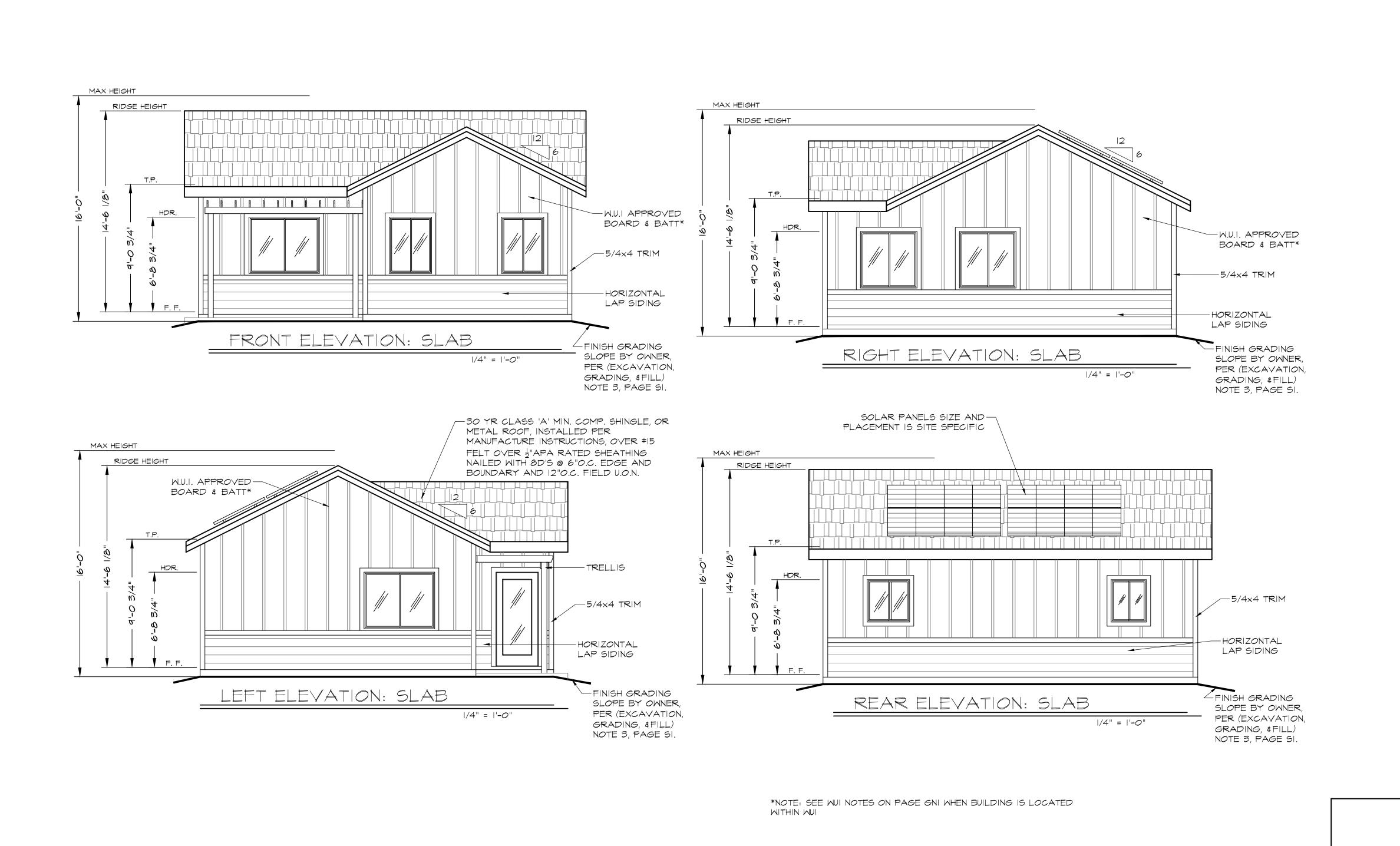
MINE	DOW SC	HEDULE							
MINDOM	MINDO	DW SIZE	OPER	ONTY	FRAME	HEAD	U-FACTOR	SHGC	NOTEC
SYMB <i>O</i> L	WIDTH	HEIGHT	OPER.	anty.	FRAME	HEIGHT	U-FACIOR	9 11 00	NOTES:
A	5'-0"	4'-0"	SLIDER	2	VINYL	6'-8"	.28	.20	EGRESS REQ. IN BEDROOM #1
В	3'-0"	4'-0"	SLIDER	I	VINYL	6'-8"	.28	.20	TEMPERED @ FRONT DOOR
0	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	TEMPERED, OBSCURED
		•			•	•			

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 9'0-3"
- 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 \$ 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.



General Notes

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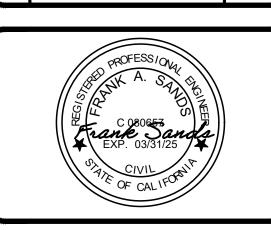
04/17/2023

YUBA COUNTY BUILDING INSPECTION DIVISION

S CHICO, CA 45426

FNGINTERPING 126 (530)715-7184

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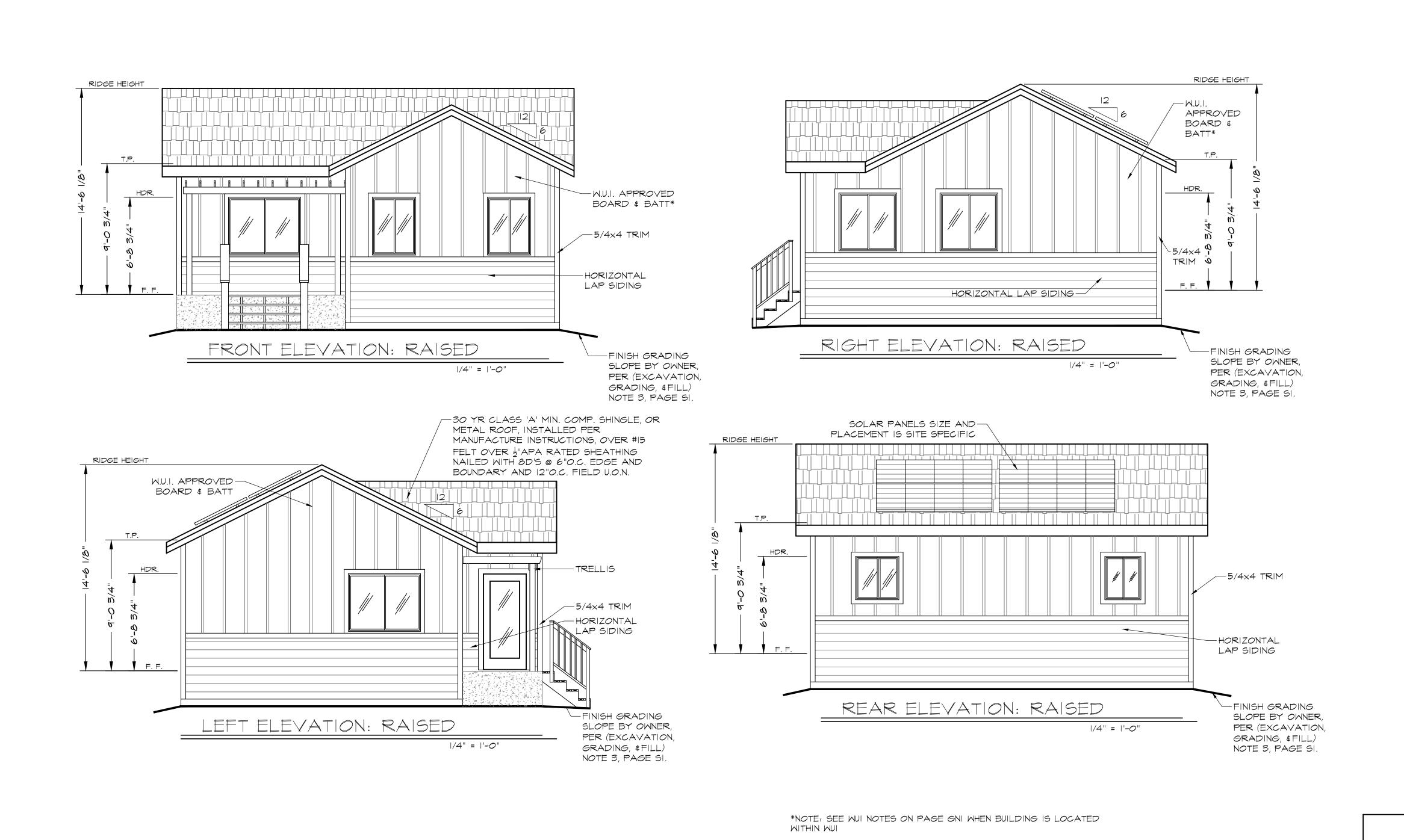
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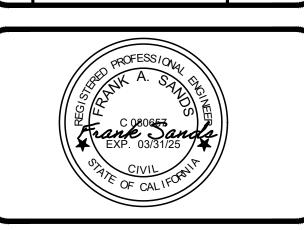
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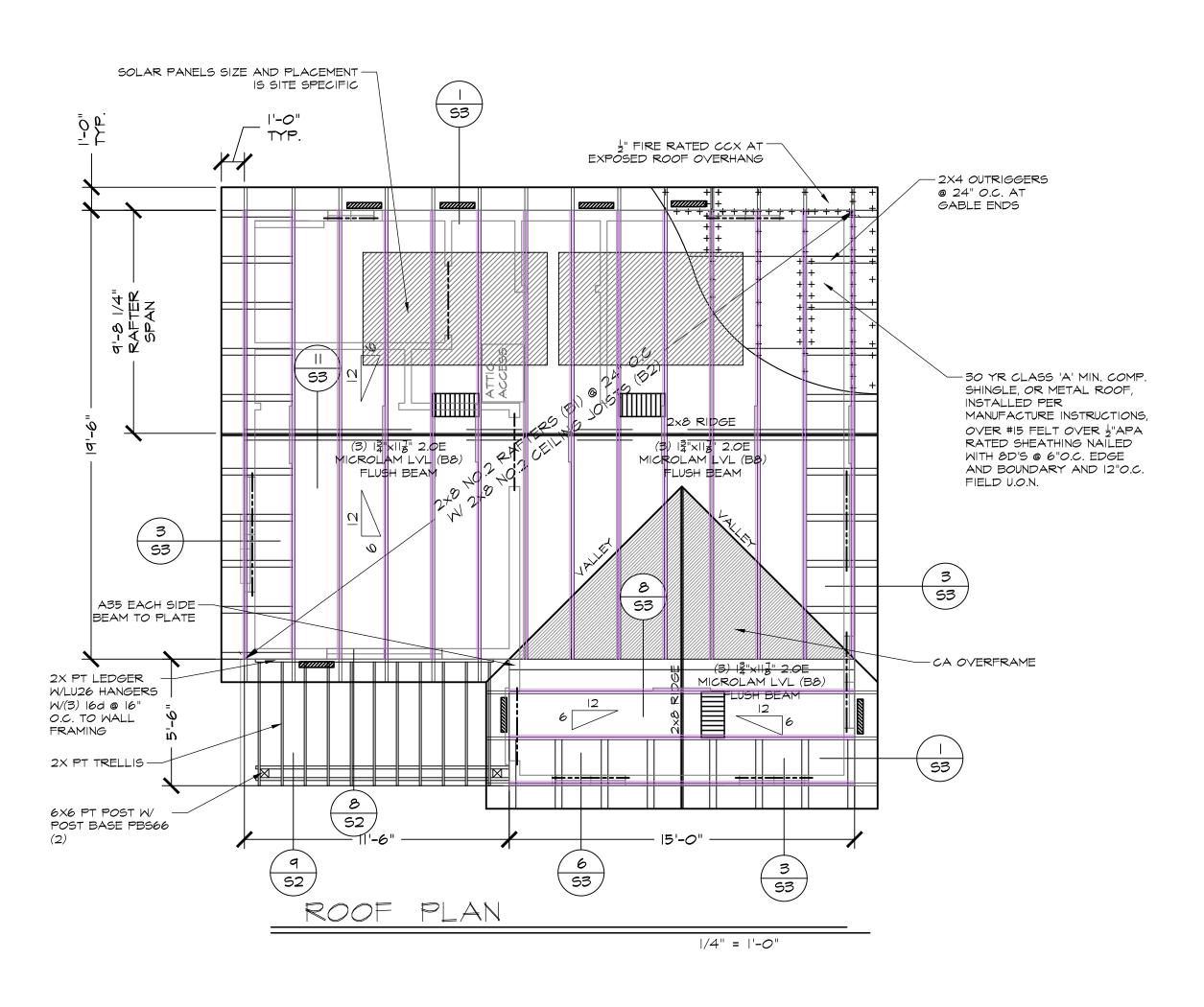


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23-M001

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Notes:

I. ALL EXTERIOR HEADER TO BE 6×8 DF NO.2 U.N.O.

2. ALL INTERIOR HEADER TO BE 4×6 DF NO.2 U.N.O.

ATTIC VENTILATION CALCULATION OPTION B ROOF * EQUIVALENT MEANS OF ACHIEVING VENT AREA ARE ACCEPTABLE.								
DESCRIPTION	SQUARE FOOTAGE	REQUIREMENT	VALUE	PROPOSED VENT	SYMB <i>O</i> L	NET VENT	# VENTS	IN ² PROVIDED
ATTIC SPACE TOTAL	599.2	1/150	3.99 FT ² 575.2 IN ²					
LOWER VENT		1/300	1.99 FT ² 287.6 IN ²	EV223-I/8		39 IN ²	8	312 IN ²
UPPER VENTS		1/300	1.99 FT ² 287.6 IN ²	HALF ROUND DORMER BH24-1/8		100 IN2	3	300 IN ²
							TOTAL=	612 IN ²

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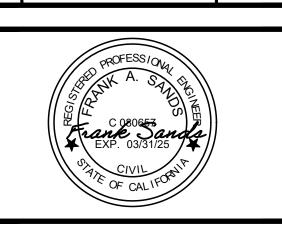
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EERING, Inc. (530)715-7184

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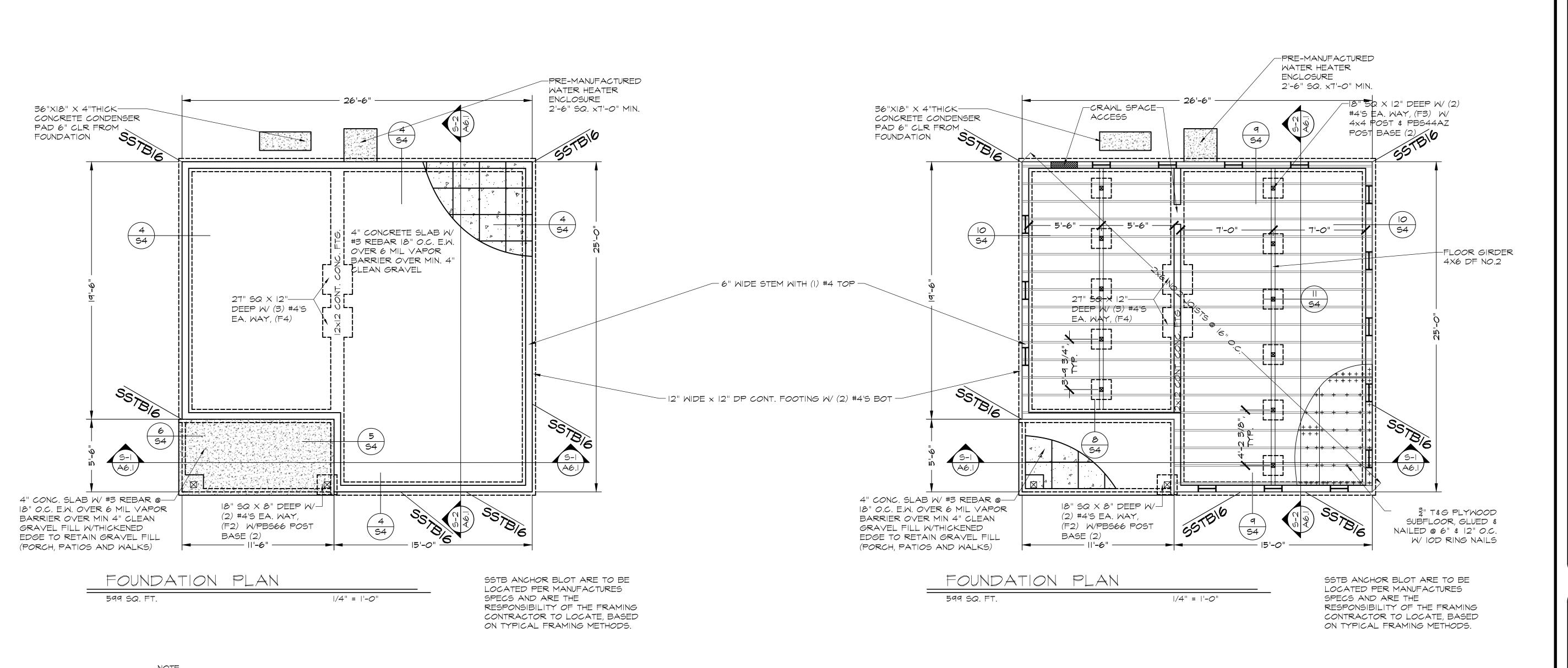
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FOR 2 POUR CONDITION, SSTB16's SHOULD BE INCREASED BY ONE

SIZE TO SSTB20's

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23-M00| Date 3/17/23

A4

SHEAR WALL SCHEDULE

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

P SYSTEM STRENGTH:

PERFORATED WALL

173 PLF SEISMIC 173 PLF WIND

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

6" O.C. @ EDGES 12" O.C. @ FIELD

1/2" ANCHOR BOLT SPACING 72" W/ 2X P.T. SILL

SIMPSON A35 SHEAR TRANSFER @ 36" O.C. SILL SHEAR TRANSFER NAILING 16d @ 6" O.C. (COMMON, BOX OR SINKER)



WALL SYSTEM STRENGTH: 260 PLF SEISMIC 346 PLF WIND

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

6" O.C. @ EDGES 12" O.C. @ FIELD

1/2" ANCHOR BOLT SPACING 36" W/ 2X P.T. SILL

SIMPSON A35 SHEAR TRANSFER @ 27" O.C. SILL SHEAR TRANSFER NAILING 16d @ 6" O.C. (COMMON, BOX OR SINKER)



WALL SYSTEM STRENGTH: 350 PLF SEISMIC 490 PLF WIND

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

4" O.C. @ EDGES 12" O.C. @ FIELD

1/2" ANCHOR BOLT SPACING 24" W/ 2X P.T. SILL

SIMPSON A35 SHEAR TRANSFER @ 18" O.C. SILL SHEAR TRANSFER NAILING 16d @ 4" O.C. (COMMON, BOX OR SINKER)



WALL SYSTEM STRENGTH: 490 PLF SEISMIC 685 PLF WIND

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

3" O.C. @ EDGES 12" O.C. @ FIELD

1/2" ANCHOR BOLT SPACING 24" W/ 2X P.T. SILL SIMPSON A35 SHEAR TRANSFER @ 12" O.C. SILL SHEAR TRANSFER NAILING (2) ROWS 16d @ 4" O.C. (COMMON, BOX OR SINKER)



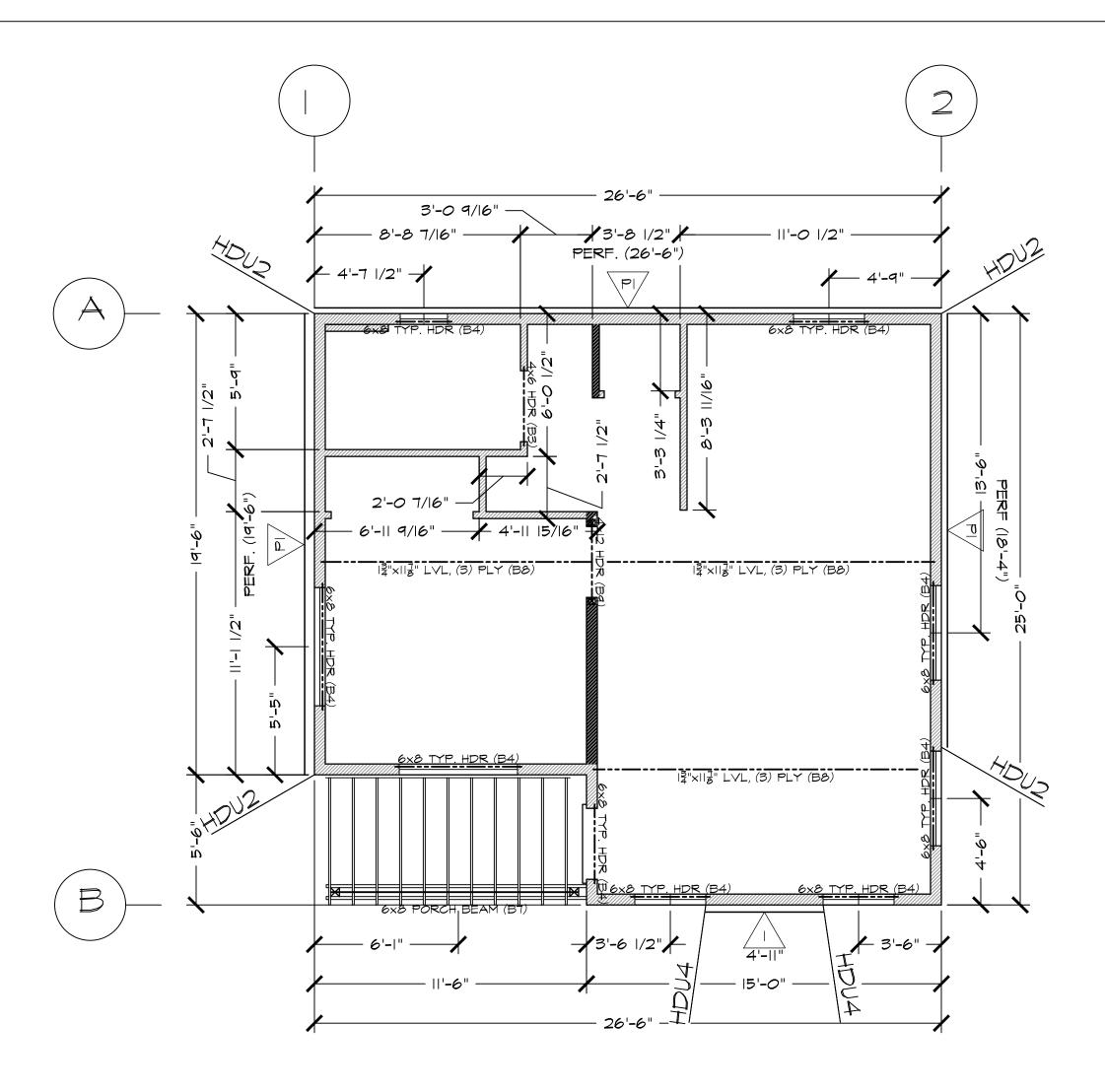
/4 SEE NOTE I 895 WIND 3/8" STRUCTURAL WOOD PANELS (BLOCKED)

WALL SYSTEM STRENGTH: 640 PLF SEISMIC

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

2" O.C. @ EDGES 12" O.C. @ FIELD

5/8" ANCHOR BOLT SPACING 24" W/ 3X P.T. SILL SIMPSON A35 SHEAR TRANSFER @ 8" O.C. SILL SHEAR TRANSFER NAILING (2) ROWS 16d @ 4" O.C. (COMMON, BOX OR SINKER)



SHEAR WALL & FRAMING PLAN 496 SF |/4" = |'-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.

DOOR SCHEDULE DOOR SIZE DOOR CORE MATERIAL FRAME NOTES: SYMBOL TYPE MIDTH THICK HEIGHT MIN. 32" FRONT ENTRY DOOR W/ SOLID 3'-O" 6'-8" 1-3/4" VNL/GLASS MOOD TEMPERED GLAZING W/ COMPLIANT DOOR THRESHOLD 1-3/4" HOLLOW MIN 32" INTERIOR DOORS 3'-0" WOOD WOOD 6'-8" DOOR 3 6'-0" 1-3/4" BI-PASS HOLLOW MOOD MOOD BI PASS CLOSET DOORS 1-3/4" BI-FOLD HOLLOW WOOD WOOD 3'-O" BI FOLD CLOSET DOORS 6'-8"

MINE	DOW SC	HEDULE								
MINDOM	MINDO	DW SIZE	OPER.	QNTY.	FRAME	HEAD	U-FACTOR	SHGC	NOTES:	
SYMBOL	MIDTH	HEIGHT	OPER.	OFER.	QN11.		HEIGHT	0-1 40 101	JNOO	NOTES:
A	5'-0"	4'-0"	SLIDER	2	VINYL	6'-8"	.28	.20	EGRESS REQ. IN BEDROOM #1	
В	3'-0"	4'-0"	SLIDER	I	VINYL	6'-8"	.28	.20	TEMPERED @ FRONT DOOR	
6	3'-0"	3'-0"	SLIDER	1	VINYL	6'-8"	.28	.20		
D	4'-0"	4'-0"	SLIDER	1	VINYL	6'-8"	.28	.20		
E	2'-0"	3'-0"	SLIDER	I	VINYL	6'-8"	.28	.20	TEMPERED, OBSCURED	

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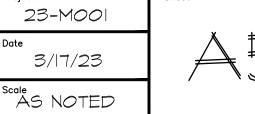
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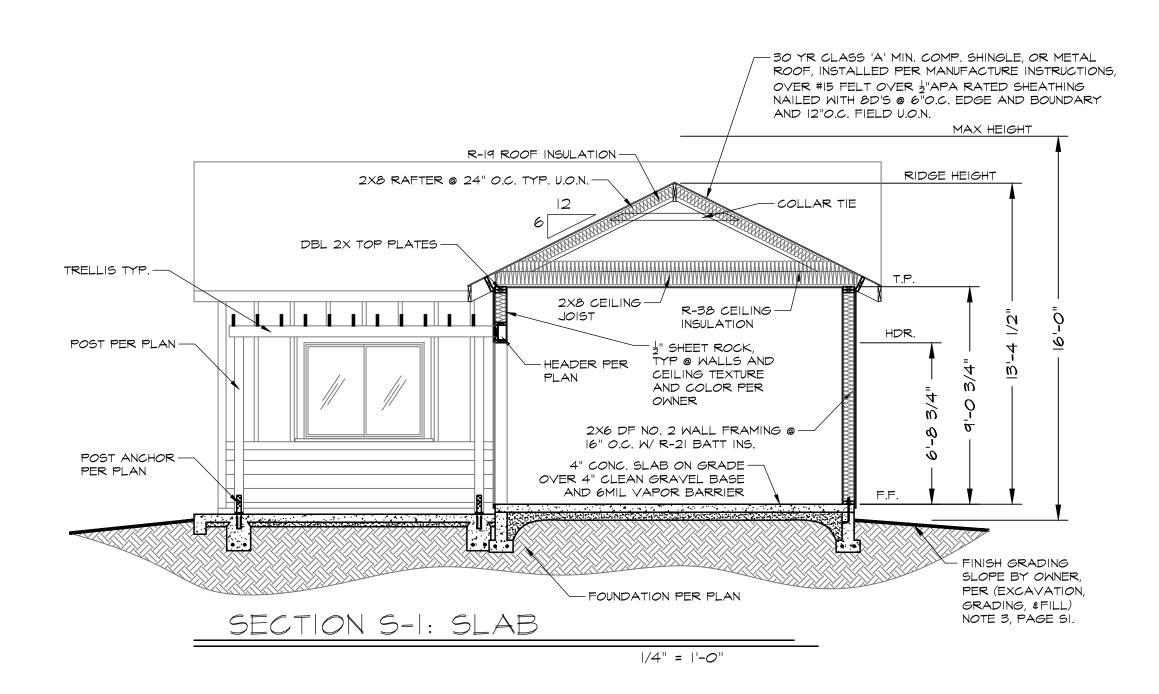
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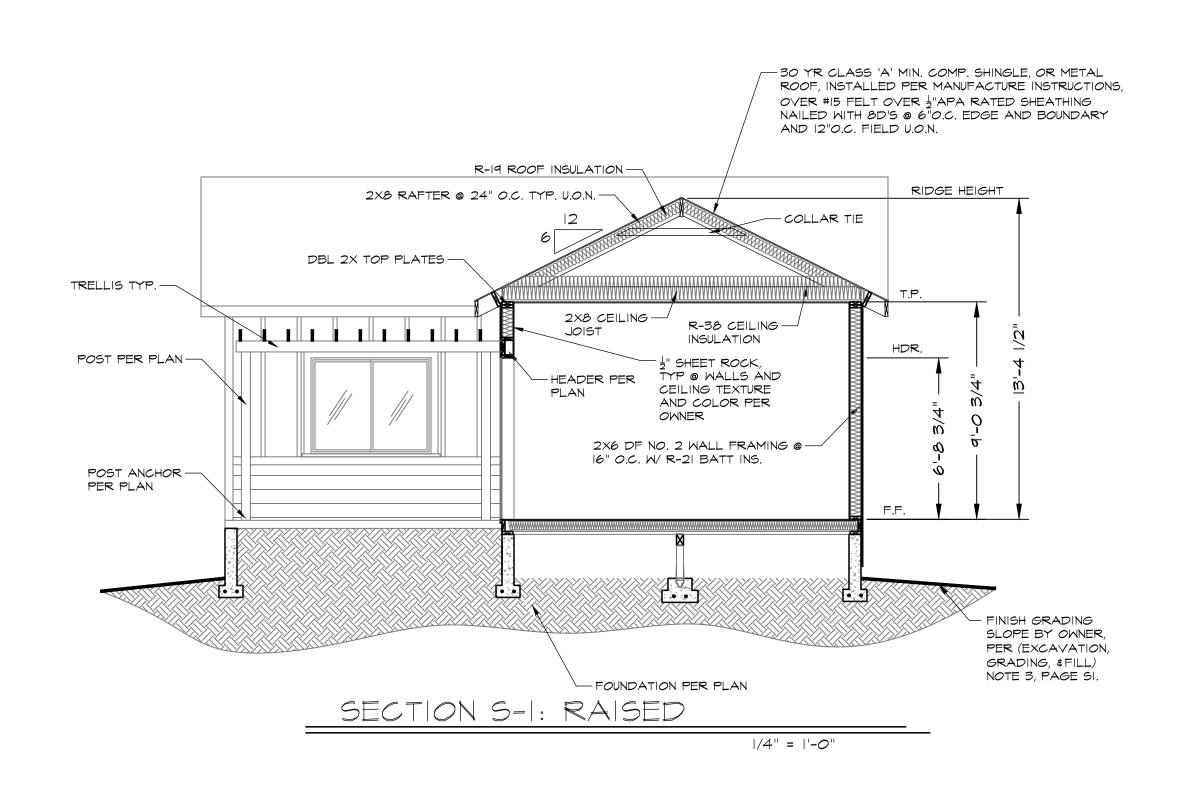


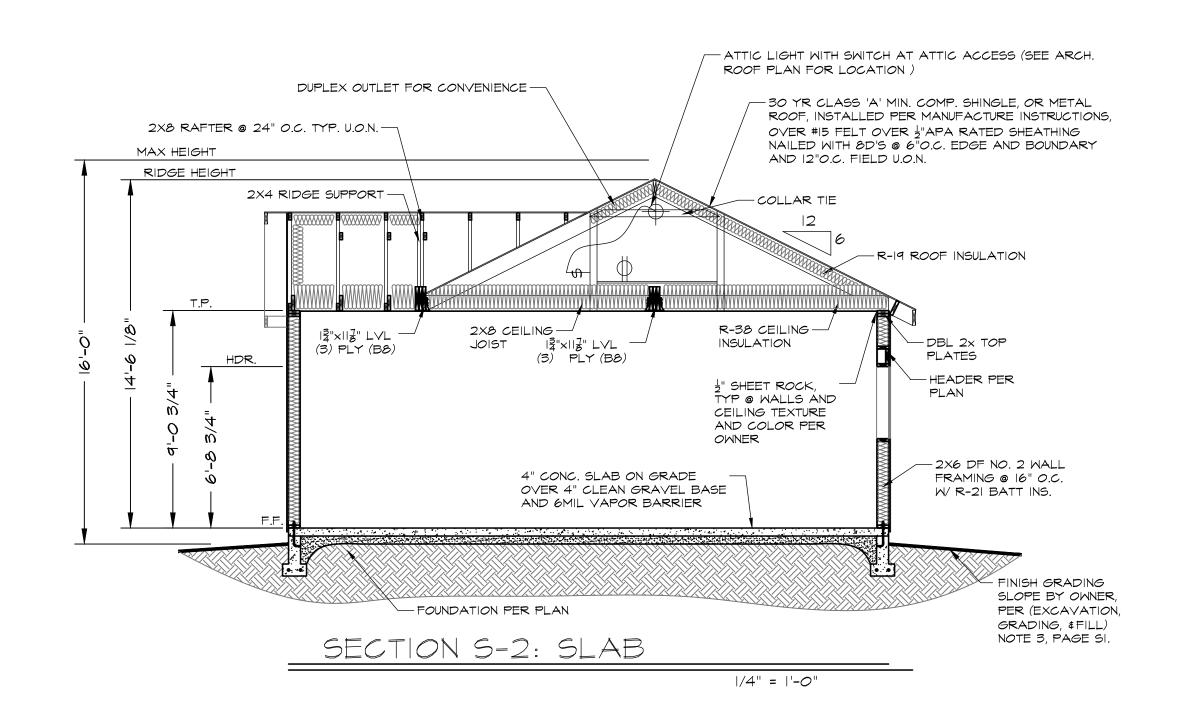
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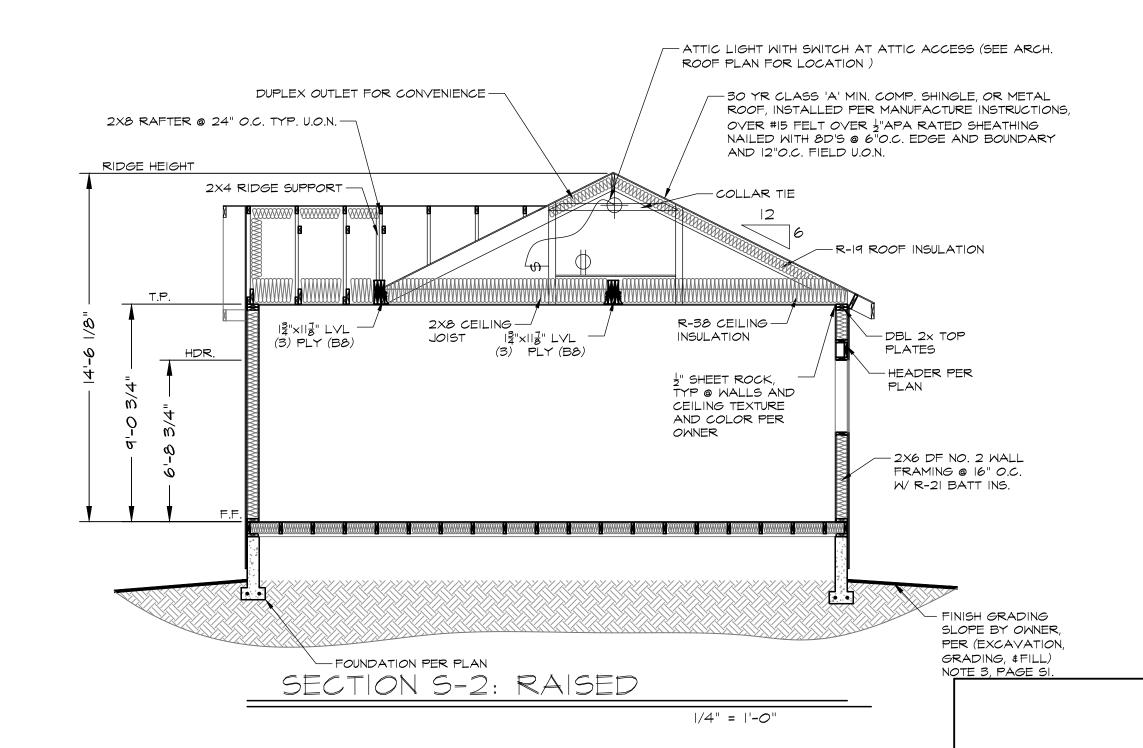
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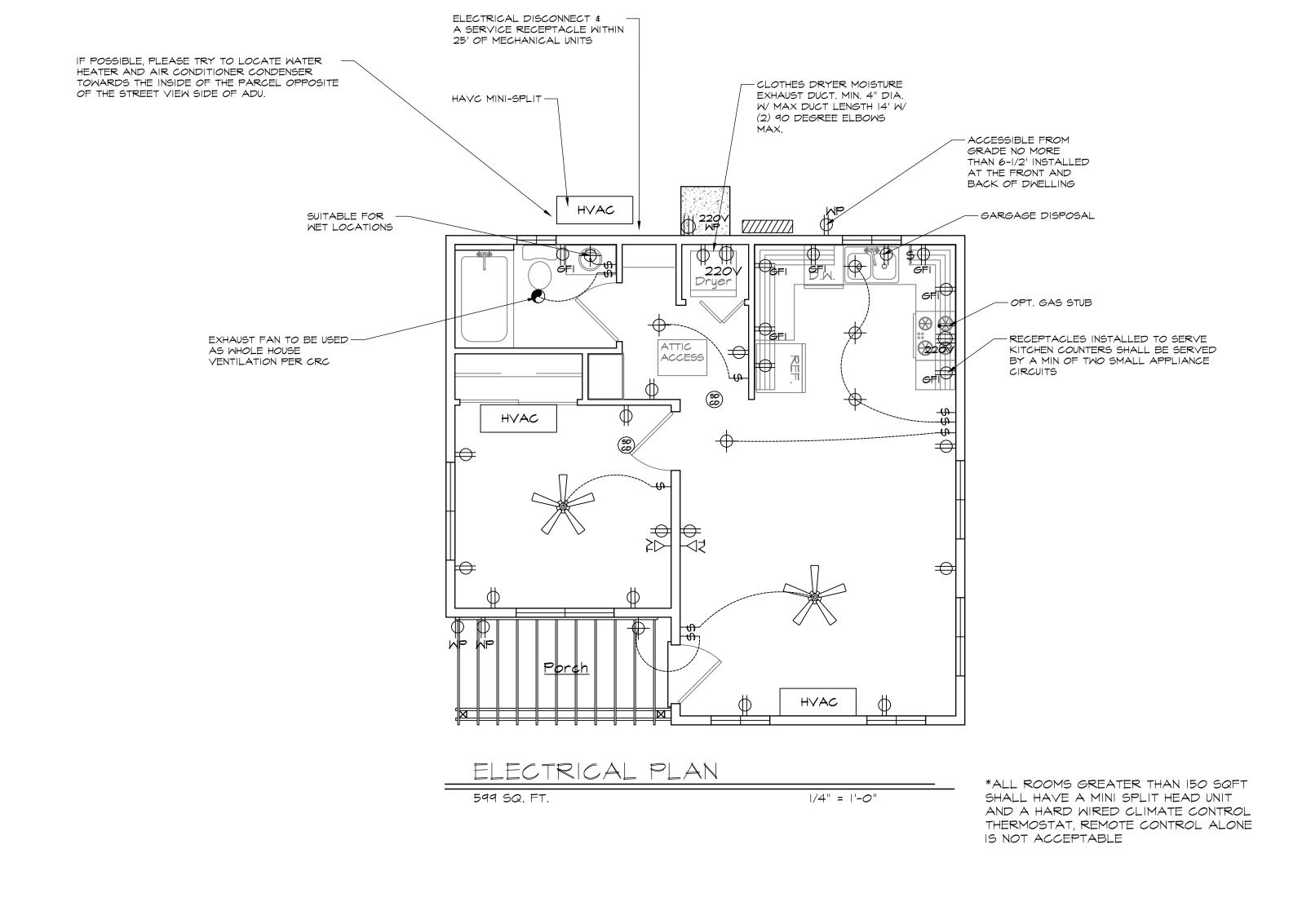
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ELECTRICAL SYMBOLS

DUPLEX RECEPTAGLE	Ф
DUPLEX RECEPTACLE 72" A.F.F.	+72
GROUND FAULT CIRCUIT, AS REQUIRED	∯ 6FI
DUPLEX RECEPTACLE 220 VOLT	() 220∨
DUPLEX RECEPTACLE, WATER-PROOF	₩P
CABLE TV	7
TELEPHONE OUTLET	PH
HOSE BIB W/ ANTI-SIPHON VALVE	HB #
SMITCH @ +42"	\$
SMITCH 3-MAY	\$
CEILING LIGHT FIXTURES	+
OUTDOOR LIGHTS	>
SUBPANEL MIN. 100 AMP	[//////\]
EXHAUST FAN	•
SMOKE DETECTOR	60
COMBINATION SMOKE & CARBON MONOXIDE DETECTOR	(SP)
CEILING FAN	
HVAC CONDENSER	HVAC
ELEC. VEHICLE CHARGING STATION	
GAS METER	
GAS OUTLET	1
TANKLESS WATER HEATER	TANKLESS W/H



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) 10. ALL 1207 SINGLE PHASE 15-20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS (1.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.l04)
- 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. R3|4 \$ R3|5 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 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
- 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 10' 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 10' 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]

<u>LIGHTING NOTES</u>

- 2. LIGHTING IN HABITABLE SPACES, (LIVING ROOMS, DINING ROOMS, KITCHEN & BEDROOMS) SHALL HAVE READILY ACCESSIBLE WALL-MOUNTED DIMMING
- 3. FIXTURES, LAMP HOLDER & RECEPTACLES OUTLETS SHALL BE SECURELY SUPPORTED. A FIXTURE THAT WEIGHS MORE THAN 6LBS OR EXCEEDS 16" IN ANY 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
- 5.1. PHOTO CONTROL & MOTION SENSOR.
- OUTDOOR LIGHT OFF DURING DAYLIGHT HOURS. 5.4. EMCS THAT PROVIDES THE FUNCTIONALITY OF AN ASTRONOMICAL TIME
- TURN THE OUTDOOR LIGHTING OFF DURING DAYLIGHT HOURS. 6. LUMINARIES RECESSED IN INSULATED CEILINGS MUST MEET FIVE REQUIREMENTS
- 6.1. THEY MUST BE RATED FOR DIRECT INSULATION CONTACT (IC).
- 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
- 6.4. THEY MAY NOT CONTAIN A SCREW BASE SOCKETS 6.5. THEY SHALL CONTAIN A JAS COMPLIANT LIGHT SOURCE
- 7. OUTDOOR LIGHTING SHALL BE SUITABLE FOR WET LOCATIONS.
- 9. CONTRACTOR SHALL PROVIDE THE HOMEOWNER WITH A LUMINAIRE SCHEDULE
- 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)1B)

- ALL LIGHTING TO BE HIGH EFFICACY.
- DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMP HOLDER
- AUTOMATIC CONTROLS
- 5.2. PHOTO CONTROL & AUTOMATIC TIME SWITCH CONTROOL 5.3. ASTRONOMICAL TIME CLOCK CONTROL THAT AUTOMATICALLY TURNS THE
- CLOCK, DOES NOT HAVE AN OVERRIDE OR BYPASS SWITCH THAT ALLOWS THE LUMINARIES TO BE ALWAYS ON, \$ IS PROGRAMMED TO AUTOMATICALLY
- (CALIFORNIA ENERGY CODE 150.0(K)IC):
- 6.2. THEY MUST BE CERTIFIED AS AIRTIGHT (AT) CONSTRUCTION.
- AREAS & INTO THE CEILING CAVITY.
- 8. ALL HIGH EFFICACY LIGHT FIXTURES SHALL BE CERTIFIED AS "HIGH EFFICACY" LIGHT FIXTURES BY THE CALIFORNIA ENERGY COMMISSION.
- GIVING THE LAMPS USED IN THE LUMINAIRES INSTALLED. (CGBSC 10-103(b)).
 - PLANS ARE PROVIDED "AS IS" WITHOUT REPRESENTATIONS OF 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. PLANS ARE ACCURATE SUITABLE FOR YOUR PURPOSES AND COMPLIAN WITH ALL APPLICABLE LAWS. BY USING THESE PLANS YOU AGREE TO DEFEND (WITH COUNSEL OF CITY'S CHOOSING) INDEMNIEY AND HOLD (MPLOYEES, VOLUNTEERS, AGENTS, AND THE DESIGN PROFESSIONAL WH PREPARED THESE CONSTRUCTION DOCUMENTS, FREE AND HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, COSTS,

ANY MANNER ARISING OUT OF, PERTAINING TO, RELATED TO, OR INCIDEN

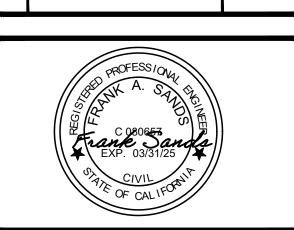
JACKSON AND SANDS ENGINEERING HAS PROVIDED THESE PLAN SOLELY FOR THE USE WITHIN YUBA COUNTY & DOES NOT GIVE PERMISSION FOR USE OUTSIDE OF THIS AREA.

> REVIEWED FOR **CODE COMPLIANCE - BD**

> > 04/17/2023

YUBA COUNTY BUILDING INSPECTION DIVISION

Revision/Issue INITIAL SUBMITTAL PCI SUBMITTAL



599 SQ. FT

EXPENSES, LIABILITY, LOSS, DAMAGE OR INJURY OF ANY KIND, IN LAW OR EQUITY, TO PROPERTY OR PERSONS, INCLUDING WRONGFUL DEATH, I

23-M001

FIXTURE WATER FLOW RATE:

FIXTURE	G.P.F.
WATER CLOSET	1.28 GPF
KITCHEN FAUCET	1.8 GPF
LAVATORY FAUCET	I.2 GPF
SHOWERHEADS	2.0 GPF

TRENCH DEPTH:

TYPE	DEPTH
WATER	12"
SEWER	12"-27"
<i>G</i> AS	12"-18"
ELEC.	6"-18"
	•

- 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 @WET 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 TO" 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
 - II.2. CONDENSATE DRAIN THAT IS NO MORE THAN 2" HIGHER THAN THE BASE OF THE WATER HEATER
 - II.3. WATER HEATERS USING GAS OR PROPANE SHALL DESIGNATE A SPACE $2\frac{1}{2}$ ' \times $2\frac{1}{2}$ ' \times 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
- 11.7. WATER HEATERS LOCATED IN ATTICS, CEILING ASSEMBLIES & RAISED FLOOR ASSEMBLIES SHALL SHOW A WATER-TIGHT CORROSION RESISTANT MIN 15" DEEP PAN UNDER THE WATER HEATER WITH A MIN 3" 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)
- 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.I2. MAX WATER FLOW RATES. (CGBSC 4.303.I): • WATER CLOSETS: 1.28-GPF
 - •URINALS: .125-GPF
 - •KITCHEN FAUCETS: 1.8-GPM @ 60PSI
 - ·LAVATORY FAUCETS: 1.2-GPM @ 60PSI
 - SHOWERHEADS: 1.8-GPM

EXHAUST FAN NOTES:

STANDARDS 150.0(o)#2 B. RESIDENTIAL COMPLIANCE MANUAL 4.6.9.2(B) INTERMITTENT OR DEMAND CONTROLLED FANS (SURFACE-MOUNTED FANS)

DEMAND CONTROLLED LOCAL EXHAUST FANS SHALL BE RATED AT A MAX. OF 3.0 SONES, UNLESS THE MAX. RATED AIRFLOW IS GREATER THAN 400 CFM. ASHRAE STANDARD 62.2 EXTENDS THE REQUIREMENT FOR THE QUIET FANS TO INCLUDE RANGE HOODS AND BATH EXHAUST FANS, NOT JUST DWELLING UNIT VENTILATION SYSTEM FANS, RANGE HOOD EXHAUST FANS MUST ALSO BE RATED AT 3.0 SONES OR LESS AT THE MINIMUM REQUIRED

— HAVO MINI-SPLIT SPEED OF 100 CFM. HVAC PROVIDE OVEN RANGE HOOD THAT MEETS "EXHAUST FAN NOTES" TUB/SHOWER W/ NON-ABSORBENT WALLS-LISTED ABOVE 6FT ABOVE FLOOR, W/CURTAIN ROD OR D.W. -OPT. GAS STUB VERTICAL CLEARANCE ABOVE COOKING TOP (RANGE BURNERS, EXHAUST FAN TO BE USED -SHALL HAVE A VERTICAL ACCESS AS WHOLE HOUSE VENTILATION PER CRC SURFACE OF NOT LESS THAN 30"INCHES TO COMBUSTIBLE HVAC 24" WHERE A LISTED COOKING INSTALLED. 2022 CEC Art. 210.63 \$ CEC SEC. 304.4.4

- CLOTHES DRYER MOISTURE

LENGTH

EXHAUST DUCT. MIN. 4" DIA.

NOT TO EXCEED 14' FEET IN

MECHANICAL / PLUMBING PLAN 599 SQ. FT. 1/4" = 1'-0"

HVAC

<u>MECHANICAL</u> WOOD BURNING APPLIANCES SHALL BE ONE OF THE FOLLOWING:

I.I. A PELLET-FUELED WOOD BURNING HEATER.

IF POSSIBLE, PLEASE TRY TO LOCATE WATER

TOWARDS THE INSIDE OF THE PARCEL OPPOSITE

HEATER AND AIR CONDITIONER CONDENSER

OF THE STREET VIEW SIDE OF ADU.

- I.2. A U.S. EPA PHASE II CERTIFIED WOOD BURNING HEATER. I.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)
- 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
- 6. PROVIDE COMBUSTION AIR FOR ALL GAS FIRED APPLIANCES PER CMC CHAPTER 7 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 1-1 IN OPENING SIZE (NOT REQUIRED FOR CLOTHES DRYERS). (CMC 502.1) II. 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, IO' TO A FORCED AIR INLET, 3' TO OPENINGS INTO THE BUILDING & SHALL NOT DISCHARGE ON TO A PUBLIC WAY. (CMC 502.2.1) I3. PROVIDE MIN IOOIN 2 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 SPECS 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.I.I. 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.

CLEARANCE ABOVE THE COOKING MATERIAL OR METAL CABINET. A MIN. CLEARANCE IS PERMITTED OF APPLIANCE OR MICROWAVE OVEN

*ALL ROOMS GREATER THAN 150 SQFT SHALL HAVE A MINI SPLIT HEAD UNIT AND A HARD WIRED CLIMATE CONTROL THERMOSTAT, REMOTE CONTROL ALONE IS NOT ACCEPTABLE

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REVIEWED FOR **CODE COMPLIANCE - BD**

04/17/2023

YUBA COUNTY BUILDING INSPECTION DIVISION



No.	Revision/Issue	Date
1	INITIAL SUBMITTAL:	3/1/23
2	PCI SUBMITTAL:	3/17/23



599 SQ. FT

YOU 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, INCLUDING WARRANTIES OF TITLE NON-INFRINGEMENT OR IMPLIED WARRANTIES 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 COMPLIAN WITH ALL APPLICABLE LAWS. BY USING THESE PLANS YOU AGREE TO DEFEND (WITH COUNSEL OF CITY'S CHOOSING) INDEMNIEY AND HOLD C EMPLOYEES, VOLUNTEERS, AGENTS, AND THE DESIGN PROFESSIONAL WH PREPARED THESE CONSTRUCTION DOCUMENTS FREE AND HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, COSTS, EXPENSES LIABILITY LOSS DAMAGE OR IN LIRY OF ANY KIND IN LAW OR EQUITY, TO PROPERTY OR PERSONS, INCLUDING WRONGFUL DEATH, I ANY MANNER ARISING OUT OF PERTAINING TO RELATED TO OR INCIDEN

23-M00 3/17/23 Scale AS NOTED



TABLE 2304.10.1 FASTENING SCHEDULE

CONNECTION	FASTE	:NING ^{a,m}	LOCATION	
I. JOIST TO SILL OR GIRDER	3-8d COMMON (2.5" X 0.131")		TOENAIL	
2. BRIDGING TO JOIST	<u> </u>	2-8d COMMON (2.5" X 0.131") TOENAIL EA. END		
3.1"X6" SUBFLOOR OR LESS TO EA. JOIST	2-8d COMMON (2	•	FACE NAIL	
4. WIDER THAN I"X6" SUBFLOOR TO EA. JOIST	3-8d COMMON (2		FACE NAIL	
5.2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON (2	· · · · · · · · · · · · · · · · · · ·	BLIND AND FACENAIL	
6. SOLE PLATE TO JOIST OR BLOCKING	16d (3.5" × 0.135".		TYPICAL FACE NAIL	
SOLE PLATE TO JOIST OR	180 (3.5 × 0.135)		TITICAL FACE NAIL	
BLOCKING @ BRACED WALL PANEL	3" - 16d (3.5" X C	0.135") @ 16" <i>0.</i> C.	BRACED WALL PANELS	
7. TOP PLATE TO STUD	2-16d COMMON (2	2.5" × 0.162")	END NAIL	
8. STUD TO SOLE PLATE	4-8d COMMON (2	2.5" × 0.131")	TOENAIL	
	2-16d COMMON (5	3.5" × 0.162")	END NAIL	
9. DOUBLE STUDS	16d (3.5" × 0.135")) @ 24" <i>O.</i> C.	FACE NAIL	
10. DOUBLE TOP PLATES	16d (3.5" × 0.135") @ 16" O.C.	TYP. FACE NAIL	
	8-16d COMMON (2	2.5" × 0.162")	LAP SPLICE	
II. BLOCKING BETWEEN JOISTS OR	3-8d COMMON (2	2.5" × 0.131")	TOENAIL	
RAFTERS TO TOP PLATE 12. RIM JOIST TO TOP PLATE	8d (2.5" × 0.131")	96" O.C.	TOENAIL	
13. TOP PLATES, LAPS AND INTERSECTIONS	2-16d COMMON (2		FACE NAIL	
14. CONTINUOUS HEADER, TWO PIECES	2-16a COMMON (3.5	•	16" O.C. ALONG EDGE	
15. CEILING JOISTS TO PLATE	,	,	TOENAIL	
	3-8d COMMON (2	· · · · · · · · · · · · · · · · · · ·		
16. CONTINUOUS HEADER TO STUD 17. CEILING JOISTS, LAPS OVER PARTITIONS	4-8d COMMON (2	· · · · · · · · · · · · · · · · · · ·	TOENAIL FACE NAIL	
SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3-16d COMMON (3 MINIMUM, TABLE 3	·	FACE NAIL	
18. CEILING JOISTS TO PARALLEL RAFTERS SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3-16d COMMON (5		FACE NAIL	
19. RAFTER TO PLATE	MINIMUM, TABLE 3 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	25" × 0 3 ")		
21.1"X8" SHEATHING TO EA. BEARING	3-8d COMMON (2	•		
22. WIDER THAN I"X8" SHEATHING TO EA. BEARING	·	•		
23. BUILT-UP CORNER STUDS	·	3-8d COMMON (2.5" X 0.131")		
24. BUILT-UP GIRDER AND BEAMS	16d COMMON (3.5" × 0.162") 20d COMMON (4" × 0.192") 32" 0.C.			
24. BUILT-UF GIRDER AND BLAMS	20a COMMON (4 X 0.192) 32 O.C. 2 - 20d COMMON (4" X 0.192")			
25. 2" PLANKS		<u> </u>		
26. COLLAR TIE TO RAFTER	16d COMMON (3.5" X 0.162")			
27. JACK RAFTER TO HIP	3-10d COMMON (3" X 0.148")			
21. JACK RAITER TO HIP	3-10d COMMON (3" X 0.148") 2-16d COMMON (3.5" X 0.162")			
04 BOOK BAKETER TO 2 BY BIDGE BEAM				
28. ROOF RAFTER TO 2 BY RIDGE BEAM	2-16d COMMON (3.5" X 0.162")			
	2-16d COMMON (3			
29. JOIST TO BAND JOIST	3-16d COMMON (3	•		
30. LEDGER STRIP	3-16d COMMON (2			
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD SUBFLOOR, ROOF AND	I/2" AND LESS	6d ^{c,l}		
WALL SHEATHING (TO FRAMING)	19/32" TO 3/4"	8d ^d OR 6d ^e		
	7/8" TO I"	8d		
	/8" TO /4"	10d° or 8d		
SINGLE FLOOR (COMBINATION	3/4" AND LESS	6d ^e		
SUBFLOOR-UNDERLAYMENT TO FRAMING)	7/8" TO I"	8d ^e		
	1/8" TO 1/4"	10d ^d or 8d ^e		
32. PANEL SIDING (TO FRAMING)	I/2" AND LESS	6d ^f		
	5/8" AND LESS	8d ^f		
33.FIVERBOARD SHEATHING	I/2" AND LESS	No. II GA ROOFI	NG NAIL ^h	
		No. 16 GA STAPI		
	25/32" No. II GA ROOFING NAILh			
			L (2 /2" × 0. 3 ")	
		No. 16 GA STAPL		
	1.7.78	4d ^j		
34.INTERIOR PANELING	1/4"			

- 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 - $2'' \times 0.113^{"}$;8d - $21/2'' \times 0.131"$; 10d - $3'' \times 0.148"$).
- d. Common (6d 2" \times 0.113";8d 2 1/2" \times 0.131"; 10d 3" \times 0.148").
- e. Deformed shank (6d $2" \times O.113"$; 8d $2 \cdot 1/2" \times O.131"$; 10d $3" \times O.148"$).
- f. Corrosion resistant siding (6d $17/8" \times 0.006"$; 8d $23/8" \times 0.128"$) or casing (6d $2" \times 0.099"$; 8d $21/2" \times 113"$)
- 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 13/4 inch length for 25/32 inch sheathing.
- . Corrosion resistant staples with nominal $7\overline{/}16$ " crown and 1 1/8" length for 1/2" inch sheathing and 1 3/4" inch length for 25/32 inch sheathing . Casing (I I/2" imes 0.080" or finish (I I/2" imes 0.072") nails spaced 6" on panel edges, I2" at intermediate supports.
- k. Panel supports at 24". Casinq 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.

EXCAVATION, GRADING AND FILL:

- 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
- UNDERPINNING SHALL BE INSTALLED IN A SEQUENTIAL MANNER THAT PROTECTS THE NEIGHBORING STRUCTURE AND THE WORKING CONSTRUCTION SITE. THE ENGINEER OF RECORD SHALL BE NOTIFIED IF THIS CONDITION EXISTS TO ALLOW FOR PREPARATION OF CONSTRUCTION DOCUMENTS.
- 2. PLACEMENT OF BACKFILL: THE EXCAVATION OUTSIDE THE FOUNDATION SHALL BE BACKFILLED WITH SOIL THAT IS FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS COBBLES AND BOULDERS OR WITH CONTROLLED LOW-STRENGTH MATERIAL (CLSM). THE BACKFILL SHALL BE PLACED IN LIFTS AND COMPACTED IN A MANNER THAT DOES NOT DAMAGE THE FOUNDATION OR THE WATERPROOFING OR DAMPPROOFING MATERIAL.
- 3. SITE GRADING: THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 5% FOR A MINIMUM DISTANCE OF IO FEET MEASURED PERPENDICULAR TO THE WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT IO FEET AN APPROVED METHOD OF DRAINAGE AWAY FROM STRUCTURE SHALL BE USED. SWALES USED FOR THIS PURPOSE SHALL BE SLOPED A MINIMUM OF 2% WHERE LOCATED WITHIN 10 FEET OF BUILDING FOUNDATION. IMPERVIOUS SURFACES WITHIN IO FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MIN. OF 2% AWAY FROM THE BUILDING. 2% SLOPES MAY BE USED WHEN APPROVED BY THE ENGINEER OF RECORD.
- 4. WHERE SHALLOW FOUNDATIONS WILL BEAR ON COMPACTED FILL MATERIAL, THE COMPACTED FILL SHALL COMPLY WITH THE APPROVED GEOTECHNICAL REPORT. 4.I. WHERE COMPACTED FILL MATERIAL 12 INCHES IN DEPTH OR LESS NEED NOT COMPLY WITH AN APPROVED REPORT, PROVIDED THE IN-PLACE DRY DENSITY IS 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 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 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
- 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 OF THE DRAIN IS NOT HIGHER THAN THE BOTTOM OF THE BASE UNDER THE FLOOR, AND THE TOP OF THE DRAIN IS NOT LESS THAN 6" ABOVE THE TOP OF THE FOOTING. THE TOP OF THE DRAIN SHALL BE COVERED WITH AN APPROVED FILTER MEMBRANE MATERIAL. WHERE A DRAIN TILE OR PERFORATED PIPE IS USED, THE INVERT OF THE PIPE OR TILE SHALL NOT BE HIGHER THAN THE FLOOR ELEVATION. THE TOP OF JOINTS OR THE TOP OF PERFORATIONS SHALL BE PROTECTED WITH AN APPROVED FILTER MEMBRANE MATERIAL
- 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 OR STRUCTURE UNLESS SUCH STRUCTURE IS CAPABLE OF WITHSTANDING THE ADDITIONAL LOADS CAUSED BY THE FILL OR SURCHARGE
- 2. IF VIBRATORY LOADS ARE TO BE PRESENT DURING THE USE OF THE STRUCTURE, THE ENGINEER OF RECORD SHALL BE NOTIFIED TO DETERMINE IF ADDITIONAL 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
- 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

CONDITIONS DO NOT REQUIRE FORMWORK

- 9. THE TOP SURFACE OF FOOTINGS SHALL BE LEVEL. THE BOTTOM SURFACE OF FOOTINGS 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%.
- 10. FOR SINGLE STORIES, THE MIN. DEPTH OF FOOTINGS SHALL BE 12" BELOW UNDISTURBED 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".
- 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.

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.
- COMMON FRAMING MEMBER: WHERE A COMMON FRAMING MEMBER IS REQUIRED AT ADJOINING PANEL EDGES, TWO FRAMING MEMBERS THAT ARE AT LEAST 2" NOMINAL THICKNESS SHALL BE PERMITTED PROVIDED THEY ARE FASTENED TOGETHER WITH FASTENERS DESIGNED IN ACCORDANCE WITH THE NDS TO TRANSFER THE INDUCED SHEAR BETWEEN MEMBERS. WHEN FASTENERS CONNECTING THE TWO FRAMING MEMBERS ARE SPACED LESS THAN 4" ON CENTER, THEY SHALL BE STAGGERED
- TENSION AND COMPRESSION CHORDS SHALL BE INSTALLED AT EACH END OF SHEAR
- 4. FASTENERS: SHEATHING SHALL BE ATTACHED TO FRAMING MEMBERS USING NAILS OR OTHER APPROVED FASTENERS. NAILS SHALL BE DRIVEN WITH THE HEAD OF THE NAIL FLUSH WITH THE SURFACE OF THE SHEATHING. OTHER APPROVED FASTENERS SHALL BE DRIVEN AS REQUIRED FOR PROPER INSTALLATION OF THAT FASTENER. SEE TABLE FOR
- NAIL DIMENSIONS. 5. ANCHOR BOLTS: FOUNDATION ANCHOR BOLTS SHALL HAVE A STEEL PLATE WASHER UNDER EACH NUT NOT LESS THAT 0.229"X3"X3" IN SIZE. THE HOLE IN THE PLATE WASHER SHALL BE PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO B" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1-3/4", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE PLATE WASHER SHALL EXTEND TO WITHIN 5" OF THE BOTTOM PLATE ON THE SIDE(S) WITH SHEATHING OR OTHER MATERIAL WITH NOMINAL UNIT SHEAR CAPACITY GREATER THAN 400 PLF FOR WIND OR SEISMIC (TYPE D AND E SHEAR WALLS) EXCEPTIONS MAY APPLY PER SECTION 4.3.6.4.3.
- MOOD 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 SPECIFIED FOR PANEL EDGE NAILING, AT INTERMEDIATE FRAMING MEMBERS, THE MAXIMUM NAILING SPACING SHALL BE 6" ON CENTER. WHERE PANELS ARE THICKER THAN &" 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" NOMINAL OR GREATER.
- WHERE ANY OF THE FOLLOWING CONDITIONS OCCUR, THE WIDTH OF THE NAILED FACE 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.I. 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 E, EXCEEDS 700 PLF IN SEISMIC DESIGN CATEGORY D, E, OR F. MAXIMUM STUD SPACING SHALL BE 24" ON CENTER
- WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS FOR ITS TYPE 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
- BLOCKING SHALL BE 2" NOMINAL OR GREATER. GYPSUM WALLBOARD SHALL BE APPLIED PARALLEL OR PERPENDICULAR TO STUDS. GYPSUM WALLBOARD SHALL CONFORM TO ASTM C 1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C 840.
- 7.3. GYPSUM SHEATHING BOARD: 4' WIDE PIECES OF GYPSUM SHEATHING BOARD SHALL BE APPLIED PARALLEL OR PERPENDICULAR TO STUDS. 2' WIDE PIECES OF GYPSUM SHEATHING BOARD SHALL BE APPLIED PERPENDICULAR TO THE STUDS. GYPSUM SHEATHING BOARD SHALL CONFORM TO ASTM C 1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C 1280.

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.
- SHALL BE NOTIFIED.
- 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
- 60 FOR BARS #5 AND LARGER 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

2. IF CONDITIONS ARISE OUTSIDE THE SCOPE OF THESE PLANS, THE ENGINEER OF RECORD

SHEAR WALL SCHEDULE

PERFORATED WALL SYSTEM STRENGTH:

173 PLF SEISMIC 173 PLF WIND

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED,

6" O.C. @ EDGES 12" O.C. @ FIELD

1/2" ANCHOR BOLT SPACING 72" W/ 2X P.T. SILL

SIMPSON A35 SHEAR TRANSFER @ 36" O.C. SILL SHEAR TRANSFER NAILING 16d @ 6" O.C. (COMMON, BOX OR SINKER)

346 PLF WIND

6" O.C. @ EDGES 12" O.C. @ FIELD

SIMPSON A35 SHEAR TRANSFER @ 27" O.C. SILL SHEAR TRANSFER NAILING 16d

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

1/2" ANCHOR BOLT SPACING 24" W/ 2X P.T. SILL

SIMPSON A35 SHEAR TRANSFER @ 18" O.C. SILL SHEAR TRANSFER NAILING 16d

WALL SYSTEM STRENGTH: 490 PLF SEISMIC / O \ SEE NOTE I 685 PLF WIND

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

3" O.C. @ EDGES 12" *0.*C. @ FIELD

1/2" ANCHOR BOLT SPACING 24" W/ 2X P.T. SILL SIMPSON A35 SHEAR TRANSFER @ 12" O.C. SILL SHEAR TRANSFER NAILING (2) ROWS 16d @ 4" O.C. (COMMON, BOX OR SINKER)

WALL SYSTEM STRENGTH: 640 PLF SEISMIC /4 \ SEE NOTE 895 WIND

2" O.C. @ EDGES 12" O.C. @ FIELD

5/8" ANCHOR BOLT SPACING 24" W/ 3X P.T. SILL SIMPSON A35 SHEAR TRANSFER @ 8" O.C. SILL SHEAR TRANSFER NAILING (2) ROWS 16d @ 4" O.C. (COMMON, BOX OR SINKER)

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

WALL SYSTEM STRENGTH: 260 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED

1/2" ANCHOR BOLT SPACING 36" W/ 2X P.T. SILL

@ 6" O.C. (COMMON, BOX OR SINKER)

WALL SYSTEM STRENGTH: 350 PLF SEISMIC 490 PLF WIND

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED

4" O.C. @ EDGES 12" O.C. @ FIELD

@ 4" O.C. (COMMON, BOX OR SINKER)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED

General Notes

JACKSON AND SANDS ENGINEERING HAS PROVIDED THESE PLAN SOLELY FOR THE USE WITHIN YUBA COUNTY & DOES NOT GIVE PERMISSION FOR USE

REVIEWED FOR **CODE COMPLIANCE - BD**

OUTSIDE OF THIS AREA.

04/17/2023

YUBA COUNTY BUILDING INSPECTION DIVISION

Revision/Issue

INITIAL SUBMITTAL

PCI SUBMITTAL:

Date

3/1/23

3/17/23

599 SQ. FT.

23-M00 3/17/23 Scale AS NOTED

