CODE ANALYSIS 2022 CALIFORNIA BUILDING CODE (CBC) 2022 CALIFORNIA MECHANICAL CODE (CMC) 2022 CALIFORNIA ELECTRICAL CODE (CEC) 2022 CALIFORNIA ENERGY CODE (CNC) 2022 CALIFORNIA PLUMBING CODE (CPC) 2022 CALIFORNIA FIRE CODE (CFC) 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC) 2022 CALGREEN (CGBSC) 2022 CALIFORNIA HISTORIC BUILDING CODE (CHBC) 2022 CALIFORNIA RESIDENTIAL CODE (CRC) **BUILDING CODE ANALYSIS** R-3 OCCUPANCY GROUP TYPE V-B **CONSTRUCTION TYPE** SEISMIC DESIGN CRITERIA ALLOWABLE HEIGHT 35 FT (SHASTA CO.); 60 FT PER 2022 CBC TABLE 504.3 ALLOWABLE AREA UNLIMITED (PER TABLE 506.2, CBC) FIRE SPRINKLERED WHERE MAIN RESIDENCE SPRINKLERED **FIRE PROTECTION SYSTEM** 1 STORY **ACTUAL HEIGHT (TENAN** ZONE 11 OR 16 - SEE APPROPRIATE ENERGY DOCS. **CLIMATE ZONE EXPOSURE C** WIND EXPOSURE 50 PSF OR 70 PSF - SEE APPROPRIATE STR. DESIGN PKG SNOW LOAD SOIL CLASS ASSUMED WORST CLASS - 1500 PSF YES (ASSUMED) WILDLAND URBAN INTERFACE VARIES FIRE DEPARTMENT / DISTRICT WATER DISTRICT **VARIES** WASTE/SEWAGE DISPOSA **VARIES** LAND USE ANALYSIS **VARIES** ASSESSOR'S PARCEL# **VARIES** LAND USE ZONING CLAS **VARIES OVERLAY DISTRICT VARIES** SPECIFIC PLAN LOT SIZE VARIES SUITE / SPACE ANALYSIS 624 SF TOTAL BUILDING AREA AREA OF SCOPE OF WORK 1,080 SF AREA OF GARAGE 280 SF - ATTACHED AREA OF DECKS / PATIOS 160 SF COVERED PATIO + 17 SF COVERED ENTRY **CODE APPLICABILITY FOR ALTERATIONS** REFER TO NOTES ON SHEET G5.0 CAL GREEN REFER TO NOTES ON SHEET E1.0 AND ADDITIONAL CAL. ENERGY CODE ENERGY DOCUMENTS WITH SUBMITTAL PACKAGE FIRE SPRINKLER NOTE *(WHERE REQ'D* INSPECTIONS BY THE AHJ OF THE SPRINKLER SYSTEM, INCLUDING A ROUGH INSPECTION AT FRAME INSPECTION AND A FINAL INSPECTION SHALL BE COMPLETED AND APPROVED PRIOR REQUESTING THE CORRESPONDING BUILDING INSPECTION NOTE: REFER TO INDIVIDUAL SHEETS FOR ADDITIONAL SYMBOLS AND LEGENDS SYMBOL LEGEND - SECTION IDENTIFICATION BUILDING / SHEET WHERE SECTION IS INDICATED SECTION **ELEVATION IDENTIFICATION** ELEVATION SHEET WHERE ELEVATION IS INDICATED INTERIOR - ELEVATION IDENTIFICATION ELEVATION SHEET WHERE ELEVATION IS INDICATED

PROJECT DESCRIPTION

DESIGNED FOR AGING IN PLACE, LIVING AREA AND LAUNDRY SPACE. THE ADU IS DESIGNED TO HAVE AN OPTIONAL GARAGE, AS WELL AS A COVERED ENTRY AND A COVERED PATIO TO MAXIMIZE USE IN OUR CLIMATE ZONES.

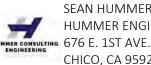
EXTERIOR FINISHES ARE SHOWN AS A WUI-COMPLIANT FIBER CEMENT PANELING FOR THE BUDGET OPTION IN THE COST ESTIMATE, OTHER SIDING OPTIONS SHOWN ARE CEMENT PLASTEF OR FIBER CEMENT LAP SIDING.

PROJECT TEAM



SHASTA COUNTY **RESOURCE MGMT DEPT** REDDING, CA 96001 530.225.5761

STRUCTURAL ENGINEER



HUMMER ENGINEERING MMER CONSULTING 676 E. 1ST AVE. STE. 8 CHICO, CA 95926 530.781.3530

CHRIS AGRESTA NORTH VALLEY BLDRS, INC. NORTH VALLEY
RULLDERS SC. INC. 17850 CONSTRUCTION WAY REDDING, CA 96003 530.510.5704

ARCHITECT

TONY REGER STAR ENERGY 40 MERCHANT STREET REDDING, CA 96002 530.275.3350

916.804.5599

2222 CANAL DRIVE

REDDING, CA 96001

HAYLEY ANDERSEN GEORGE

andersen@oneshop.community

FRUSS DESIGNER / MFG TONY LOBUE

SYSTEMS PLUS LUMBER CO. 1800 S. BARNEY RD. ANDERSON, CA 96007 530.378.6800

ASSOCIATED SUBMITTALS

THE FOLLOWING PLAN REVIEWS OR ADDITIONAL PERMITS ARE REQUIRED:

- SITE PLOT PLAN / SITE PLAN
- ENVIRONMENTAL HEALTH DEPARTMENT FOR SEPTIC SYSTEM WHERE EXISTING SEPTIC IS TO BE USED OR NEW SEPTIC IS TO BE INSTALLED
- FIRE DEPARTMENT PLOT-PLAN PRE-SUBMITTAL, REQ'D FOR THE FOLLOWING DISTRICTS: ANDERSON, BUCKEYE (COR RFD), BURNEY, CASTELLA, COTTONWOOD, FALL RIVER MILLS, HAPPY VALLEY, MCARTHUR, MILLVILLE, MOUNTAIN GATE AND SHASTA LAKE FPD

DEFERRED SUBMITTALS

THE FOLLOWING SUBMITTALS WILL BE SUBMITTED AT A LATER DATE:

- FIRE SPRINKLERS (WHERE APPLICABLE)
- PHOTOVOLTAIC ARRAY MIN 2.12 kWdc (CZ 11), 1.72 kWDC (CZ16)

CONCEPTUAL DESIGN





DRAWINGS AND IMAGES ARE REPRESENTATIONAL AND ARE NOT PART OF CONTRACT DOCUMENTS

SHEET INDEX

<u>GENERAI</u>

G1.0

TITLE SHEET ABBREVIATIONS & CODE ANALYSIS - CRC & CBC

CODE ANALYSIS - CRC & WUI

CODE ANALYSIS - CEC, CPC & CMC CODE ANALYSIS - CGBC

SITE PLAN

TO BE SUBMITTED BY OWNER W/ PERMIT APPLICATION

ARCHITECTURAL

DESIGN OPTIONS

FLOOR PLAN RCP & ROOF PLAN

INTERIOR & EXTERIOR ELEVATIONS

SECTIONS & EXTERIOR DETAILS A7.0 **INTERIOR DETAILS**

EXTERIOR DETAILS

STRUCTURAL - 50 PSF SNOW LOAD

STRUCTURAL NOTES

FOUNDATION, ROOF, FRAMING & SHEAR WALL PLAN

FOUNDATION & FRAMING DETAILS

STRUCTURAL - 70 PSF SNOW LOAD

STRUCTURAL NOTES

FOUNDATION, ROOF, FRAMING & SHEAR WALL PLAN

FOUNDATION & FRAMING DETAILS

<u>PLUMBIN</u>G

PLUMBING PLAN

ELECTRICAL

MECHANICAL & ELECTRICAL NOTES & LEGEND E2.0

POWER & LIGHTING PLAN

CONSULTANT

PROJECT

SHASTA COUNTY PRE-APPROVED

ADU 1 - PACIFIC CREST COTTAGE

REVISIONS

LICENSE STAMP

9/11/23 B SC Remarks

AGENCY APPROVAL

COPYRIGHT © 2023

NCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS C ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A

SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW

SET ISSUE DATE:

PROJ ARCH:

TITLE SHEET

8/7/2023

G1.0

DETAIL IDENTIFICATION **DETAIL** SECTION SHEET WHERE DETAIL IS INDICATED PLAN IDENTIFICATION ENLARGED - SHEET WHERE PLAN IS INDICATED PLAN OR ELEVATION CIRCLED AREA SHOWN ON LARGE SCALE PLAN OR ELEVATION KEYNOTE KEYNOTE NUMBER W/ LEADER JANITOR **ROOM NAME** ROOM NUMBER & NUMBER CEILING CEILING HEIGHT HEIGHT (FLOOR TO FINISH CEILING) WALL TAG EXISTING ______ EXISTING WALL TO BE REMOVED DEMOLITION **NEW WALL** CLOUD W/ DELTA ——— AREA REVISED - REVISION NUMBER

ENERGY REQUIREMENTS

FOR CLIMATE ZONE 11 LOCATIONS:

SLAB ON GRADE, NO INSULATION <u>FOUNDATION TYPE</u>: **WALL INSULATION**: R-23

ATTIC INSULATION: R-38 RADIANT BARRIER WINDOWS:

0.30 U-VALUE / 0.23 SHGC DUCTLESS MINI-SPLIT: 7.5 HSPF2 / 14.3 SEER2 / 9.8 EER2 HYBRID HEAT PUMP 3.1 UEF

WATER HEATER: 2.12 KwDC (MULTIPLE DIRECTIONS)

REQUIRED HERS VERIFICATIONS:

- INDOOR AIR QUALITY VENTILATION
- KITCHEN RANGE HOOD VERIFIED REFRIGERANT HOOD
- AIRFLOW INHABITABLE ROOMS (**SC3.1.4.1.7)
- VERIFIED HEAT PUMP RATED HEATING CAPACITY WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150 SF (**SC3.4.5)
- DUCTLESS INDOOR UNITS LOCATED ENTIRELY IN CONDITIONED SPACE (**SC3.1.4.1.8) **VCHP COMPLIANCE OPTION

REQUIRED SPECIAL FEATURES

VARIABLE CAPACITY HEAT PUMP COMPLIANCE OPTION

NORTHWEST ENERGY EFFICIENCY ALLIANCE (NEEA) RATED HEAT PUMP WATER HEATER; SPECIFIC BRAND/MODEL, OR EQUIVALENT, MUST BE

HEATING AND COOLING LOADS SHOWN IN THESE

AND SHOULD **NOT** BE USED FOR EQUIPMENT SIZING,

CALCULATIONS ARE BASED ON CEC DEFAULT ASSUMPTIONS

SELECTION OR DESIGN. FOLLOW ACCA OR ASHRAE DESIGN

CALCULATION BASED ON ACTUAL DESIGN CONDITIONS FOR

STANDARDS AND COMPLETE A ROOM-BY-ROOM LOAD

EQUIPMENT SIZING, SELECTION AND SYSTEM DESIGN.

FOR CLIMATE ZONE 16 LOCATIONS: FOUNDATION TYPE: SLAB ON GRADE, NO INSULATION

WALL INSULATION: R-38 ABOVE CEILING + R-4 ABOVE ROOF DECK **ATTIC INSULATION:**

RADIANT BARRIER: WINDOWS: 0.30 U-VALUE / 0.23 SHGC DUCTLESS MINI-SPLIT: 7.5 HSPF2 / 14.3 SEER2 / 9.8 EER2

WATER HEATER: HYBRID HEAT PUMP 3.1 UEF 1.72 KwDC (MULTIPLE DIRECTIONS) SOLAR: ERV IAQ FAN: 53 CFM / 29 WATTS / 81 SRE / 84 ASRE

REQUIRED HERS VERIFICATIONS:

- INDOOR AIR QUALITY VENTILATION
- KITCHEN RANGE HOOD
- VERIFIED REFRIGERANT HOOD
- AIRFLOW INHABITABLE ROOMS (**SC3.1.4.1.7)
- VERIFIED HEAT PUMP RATED HEATING CAPACITY WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150 SF (**SC3.4.5)
- DUCTLESS INDOOR UNITS LOCATED ENTIRELY IN CONDITIONED SPACE (**SC3.1.4.1.8)

**VCHP COMPLIANCE OPTION

REQUIRED SPECIAL FEATURES: INDOOR AIR QUALITY, BALANCED FAN

- IAQ VENTILATION SYSTEM: AS LOW AS 0.54717 W/CFM
- IAQ VENTILATION SYSTEM HEAT RECOVERY: MINIMUM 81 SRE AND 84 ASRE
- IAQ VENTILATION SYSTEM: SUPPLY OUTSIDE AIR INLET, FILTER, AND H/ERV CORES ACCESSIBLE PER RACM REFERENCE MANUAL
- INSULATION ABOVE ROOF DECK VARIABLE CAPACITY HEAT PUMP COMPLIANCE OPTION
- NORTHWEST ENERGY EFFICIENCY ALLIANCE (NEEA) RATED HEAT PUMP WATER HEATER; SPECIFIC BRAND/MODEL, OR EQUIVALENT, MUST BE

GENERAL NOTES

DRAWINGS.

- . APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT SAME INFORMATION. GC SHALL MAINTAIN ONE DMPLETE SET OF PLANS ON THE PREMISES IN GOOD CONDITION AT ALL TIMES. THIS SHALL INCLUDE ALL ADDENDA AND CHANGE ORDERS.
- B. THE GC SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO STARTING ANY WORK AND SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING OSE FURNISHED BY SUBCONTRACTORS AND OWNER.
- GC TO REFER TO THESE DOCUMENTS FOR IDENTIFICATION OF ALL OWNER SUPPLIED ITEMS. ALL ITEMS NOT MARKED 'BY OWNER' OR 'N.I.C.' (NOT IN CO SUPPLIED BY GC. UNLESS NOTED OTHERWISE, ALL ITEMS ARE TO BE INSTALLED BY GC.
- D. THE TERM "WORK" AS USED IN THESE NOTES SHALL INCLUDE ALL PROVISIONS AS DRAWN OR SPECIFIED IN THESE DOCUMENTS AS WELL AS A SIONS SPECIFICALLY INCLUDED BY THE OWNER IN THE FORM OF DRAWINGS AND WRITTEN INSTRUCTIONS AND APPROVED BY THE ARCHITECT.
- E. BEFORE SUBMITTING A BID, THE GC SHALL VISIT THE PREMISES AND FAMILIARIZE HIM OR HER SELF WITH THE EXISTING CONDITIONS (A) THE EXTENT OF WORK REQUIRED TO COMPLETE THE PROJECT.
- BEFORE CONSTRUCTION BEGINS, THE GC SHALL VISIT THE SITE TO VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND SHACE HITECT, IN WRITING, OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK AND SHALL BE RESPONSIBLE FOR SAME.
- G. IF THE CONTRACT DRAWINGS ARE FOUND TO BE UNCLEAR, AMBIGUOUS OR CONTRADICTORY, THE GC MUST REQUEST CLA ION FROM THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THAT PART OF THE WORK.
- PROPOSED CHANGE ORDERS. ANY WORK CONSTRUCTED THAT DEVIATES FROM THE CONTRACT H. $\,$ BEFORE CONSTRUCTION BEGINS ON A PORTION OF THE WORK, THE GC SHALL REQUEST FROM THE ARCHITECT, IN $\,$ DOCUMENTS WITHOUT A CHANGE ORDER, CONSTRUCTION CHANGE DIRECTIVE, OR ARCHITECT'S SUPPLEMENT, TRUCTIONS MAY BE REJECTED BY THE ARCHITECT OR INSPECTOR AND ALL EXPENSES ARE SOLELY THE GC'S
- IF A CONDITION EXISTS THAT REQUIRES OBSERVATION OR ACTION BY THE ARCHITECT OR ENGINEERS, TH NOTIFY THE OWNER AND ARCHITECT.

M. DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS FOR ALL MEASUREMENTS. ALL DIMENSIONS ARE TO FACE OF GYP BOARD UNLESS OTHERWISE NOTED.

- GC SHALL BE FAMILIAR WITH PROVISIONS OF ALL APPLICABLE CODES AND SHALL INSURE THE CONTRIBUTION OF THE WORK WITH ALL LOCAL, STATE AND FEDERAL CODES. IN THE EVENT OF CONFLICT BETWEEN LOCAL, STATE AND NATIONAL CODES, THE MORE STRINGENT SHALL GOVERN. BEFORE COMMENCING WORK N SHO IN IN DOCUMENTS, BUT REQUIRED TO ACHIEVE FULL COMPLIANCE WITH CODES, GC SHALL NOTIFY OWNER AND ARCHITECT.
- K. THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SA Y. JOB SITE SAFETY, PROTECTION OF ADJACENT PROPERTIES DURING CONSTRUCTION, COMPLIANCE WITH STATE AND FEDERAL SAFETY REGULATIONS ALONG WITH COMPLIANCE WITH REQUIREMENTS SPECIFIED CONTRACTOR CONTRACT IS THE GC'S RESPONSIBILITY.
- L. GC SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSELE WAR ALL CO FRUCTION MEANS, METHODS, TECHNIQUES AND SAFETY PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.
- N. OWNER SHALL PAY ALL TAXES, SECURE BUILDING PERMIT AND PAYALL FEES INCORPED IN THE COMPLETION OF THE PROJECT, INCLUDING BUT NOT LIMITED TO BUILDING PERMITS, WATER, ELECTRIC AND TELEPHONE SERVICE
- CONNECTION, CERTIFICATE OF OCCUPANCY SURVEY'S AND IN O. SCOPE OF WORK. THE GC SHALL INCLUDE AND PROVIDE AND ABOR, NATERIALS, EQUIPMENT, TRANSPORTATION AND PAY ALL EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE
- WORK OF OTHERS. GC SHALL PERFORM ALL WORK NY CESSAR OR PRODUCING A COMPLETE, HABITABLE PROJECT, INCLUDING BUT NOT LIMITED TO, ARCHITECTURAL, ELECTRICAL AND MECHANICAL. THE BID PRICES SHALL INCLUDE EVERYTHING NECESSARY OR PROPER FOR PERFORMING AND COMPLETING THE WORK REQUIRED AS INDICATED BY THE PLANS AND SPECIFICATIONS, TO PROVIDE FINISHED WORK. ANYTHING OMITTED THEREFROM WHICH IS CLEARLY NECESSARY FOR THE COMPLETION OF THE WORK OR ITS APPURTENANCE SHALL BE CONSIDERED A PORTION OF THE WORK ALTHOUGH NOT DIRECTLY SPECIFIED OR SHOWN ON THE
- Q. INSURANCE: WORKMEN'S COMPENSATION, AS EQUIRED BY LAW, AND PUBLIC LIABILITY SHALL BE CARRIED BY THE GC.
- R. GUARANTEE: THE GC SHALL UNCONDITIONALLY GUARANTEE ALL MATERIALS, AND WORKMANSHIP FURNISHED OR INSTALLED BY HIM OR HIS SUBCONTRACTORS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE AND SHALL REPLACE ANY DEFECTIVE WORK WITHIN THAT PERIOD WITHOUT EXPENSE TO THE OWNER AND PAY FOR ALL DAMAGES TO OTHER PARTS OF THE BUILDING RESULTING FROM DEFECTIVE WORK OR ITS REPAIR. THE GC SHALL REPLACE DEFECTIVE WORK WITHIN TEN (10) DAYS AFTER IT IS BROUGHT TO HIS OR HER ATTENTION.
- PROTECTION: THE GC SHALL BE RESPONSIBLE FOR HIS OR HER WORK AND THAT OF HIS SUBCONTRACTORS FOR LOSSES AND DAMAGES TO EQUIPMENT, TOOLS AND MATERIAL USED IN CONJUNCTION WITH THE WORK AND FOR ACTS OF HIS OR HER EMPLOYEES.
- . GC IS TO PROVIDE TO THE OWNER A LIST OF ALL SUBCONTRACTORS USED, COMPLETE WITH ADDRESSES, PHONE NUMBERS AND COPIES OF ALL WARRANTIES PRIOR TO THE START OF CONSTRUCTION
- U. THE TERM "GC" AS USED IN THESE NOTES SHALL REFER TO THE GENERAL CONTRACTOR OR TO THE SUBCONTRACTORS. THE OWNER MAY ELECT TO CONTRACT DIRECTLY WITH A SUBCONTRACTOR FOR ANY PART OF THE WORK.

ΔRR	REVIATIONS						
	KETIAIIOITO						
$ \perp $	PERPENDICULAR	(E)	EXISTING	M.B.	MACHINE BOLT	S.	SOUTH
	ANGLE	E. E.J.	EAST EXPANSION JOINT	MDF	MAIN DISTRIBUTION FRAME	S.A. SAF	SUPPLY AIR SELF ADHESIVE FLASHING
#	NUMBER/POUNDS	E.P.	ELECTRICAL PANEL	M.C. M.H.	MEDICINE CABINET MAN HOLE	S.C.	SOLID CORE
&	AND	E.W. EA.	EACH WAY	M.L.	METAL LATH	S.C.D. S.D.	SEAT COVER DISPENSER SUB DRAIN/SOAP DISPENSER
@	AT	EL.	ELEVATION	M.O. MACH.	MASONRY OPENING MACHINE	S.L.	SCORE LINE
Ę	CENTERLINE	ELEC.	ELECTRICAL	MAINT.	MAINTENANCE	S.N.R.	SANITARY NAPKIN RECEPTACLE
8	DIAMETER OR ROUND	ELEV. ENCL.	ELEVATOR ENCLOSURE	MAS.	MASONRY	S.N.V S.S.	SANITARY NAPKIN VENDOR STAINLESS STEEL
P	PROPERTY LINE	EQ.	EQUAL	MAX. MECH.	MAXIMUM MECHANICAL	S.SK.	SERVICE SINK
	CHANNEL	EQPT. EVS.	EQUIPMENT ENVIRONMENTAL SERVICES	MEMB.	MEMBRANE	SCHED. SEC.	SCHEDULE SECURITY
ф	SQUARE FEET	EXH.	EXHAUST	MET. MTL.	METAL METAL	SEC'Y	SECRETARY
		EXP.	EXPANSION	MEZZ.	MEZZANINE	SECT. SFM.	SECTION STATE FIRE MARSHAL
ABV. A.B.	ABOVE ANCHOR BOLT	EXPO. EXST'G	EXPOSED EXISTING	MFGR.	MANUFACTURER	SHT.	SHEET
A.C.P.	ASPHALTIC CONCRETE PAVING	EXT.	EXTERIOR	MFR. MIN.	MANUFACTURER MINIMUM/ MINUTE	SHTG.	SHEATHING SHOWER
A.D. A.P.	AREA DRAIN ACCESS PANEL			MIR.	MIRROR	SHWR. SH.	SHELF
A/C	AIR CONDITIONING	F. F.A.	FIXED FIRE ALARM	MISC.	MISCELLANEOUS	SIM.	SIMILAR
ABBR. ACP	ABBREVIATION ACOUSTIC CEILING PANEL	F.C.O.	FLOOR CLEAN OUT	MON. MOS.	MONITOR MOSAIC	SL. SPEC.	SLOPE SPECIFICATIONS
ACT	ACOUSTIC TILE	F.D. F.E.	FLOOR DRAIN/FIRE DAMPER FIRE EXTINGUISHER	MSL.	MEAN SEA LEVEL	SQ.	SQUARE
ACOUS. ADHV.	ACOUSTICAL ADHESIVE	F.E.C.	FIRE EXTINGUISHER CABINET	MTD.	MOUNTED	STA. STD.	STATION STANDARD
ADJ.	ADJUSTIBLE	F.F.	FINISH FLOOR	MATL. MUL.	MATERIAL MULLION	STL.	STEEL
AFD	AUTOMATIC FIRE DAMPER	F.G. F.H.&E.C.	FINISH GRADE FIRE HOSE & EXTINGUISHER			STOR. STRUCT.	STORAGE STRUCTURAL
AESS AFF	ARCHITECTURAL EXPOSED STRUCTURAL STEEL ABOVE FINISH FLOOR	F.H.C.	CABINET FIRE HOSE CABINET	N.	NORTH	SUSP.	SUSPENDED
AGG	AGGREGATE	F.H.W.S.	FLAT HEAD WOOD SCREW	N.G. N.I.C.	NATURAL GAS NOT IN CONTRACT	SYM. SMS.	SYMMETRICAL SHEET METAL SCREW
ALT. ALUM.	ALTERNATE ALUMINUM	F.L. F.S.	FLOW LINE FLOOR SINK	N.I.G.C.	NOT IN GENERAL CONTRACT		
ANOD.	ANODIZED	F/F	FACE TO FACE	N.T.S. NAT.	NOT TO SCALE NATURAL	Т.	TREAD/TOP
APPROX. ARCH.	APPROXIMATELY ARCHITECTURAL	FDN.	FOUNDATION	NO.	NUMBER	T.&G. T.BD.	TONGUE AND GROOVE TACK BOARD
ASSY.	ASSEMBLY	FIN. FIXT.	FINISH FIXTURE	NOM.	NOMINAL	T.B.	TOWEL BAR
AUTO.	AUTOMATIC	FLASG.	FLASHING			T.C. T.CL.	TOP OF CURB TIME CLOCK
D	ВАТН	FLR. F.O.	FLOOR FINISH OPENING	O. O.A.	OWNER OVERALL	T.D.	TOP OF DECK
B. B.W.	BOTH WAYS	FOC.	FACE OF CONCRETE	O.A. O.C.	ON CENTER	T.P.D. T.PL.	TOILET PAPER DISPENSER TOP OF PLATE
BD.	BOARD	FOF. FOM.	FACE OF FINISH FACE OF MASONRY	O.D.	OUTSIDE DIAMETER (DIMENSION)	TEL.	TELEPHONE
BHMS BITUM.	BUGLE HEAD METAL SCREW BITUMINOUS	FOS.	FACE OF STUD	O.F.C.I.	OWNER FURNISHED/	TEMP.	TEMPERED
BLDG.	BUILDING	FPRF. FS.	FIREPROOF FLAME SPREAD	O.F.D.	CONTRACTOR INSTALLED OVERFLOW DRAIN	TERR. TH.	TERRAZZO THICK
BLK. BLKG.	BLOCK BLOCKING	FT.	FOOT OR FEET	O.F.O.I.	OWNER FURNISHED/	TOC.	TOP OF CONCRETE
BM.	BEAM	FTG.	FOOTING	OSA.	OWNER INSTALLED OFFICE OF STATE ARCHITECT	TOIL. TOP.	TOILET TOP OF PAVEMENT/PARAPET
BOT. BOW.	BOTTOM BACK OF WALK	FURN. FURR.	FURNISH(ED) FURRING	0/	OVER	TOP.	TOP OF PLATE
BR.	BEDROOM	FUT.	FUTURE	OBS. OFF.	OBSCURE OFFICE	TOS. TR.	TOP OF SLAB TREATMENT
BTWN. BUR.	BETWEEN BUILT-UP ROOFING	F.V.	FIELD VERIFY	OPNG.	OPENING	TRANS.	TRANSFORMER
BOIL.	BOILT OF NOOTING			OPP.	OPPOSITE	TW. TYP.	TOP OF WALL TYPICAL
C.B.	CATCH BASIN	G.B. G.F.I.	GRAB BAR GROUND FAULT INTERRUPT			TV.	TELEVISION
C.BD.	CHALK BOARD	G.I.	GALVANIZED IRON	P. P.LAM.	PANTRY PLASTIC LAMINATE		
C.F.C.I.	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	G.L.B. GA.	GLU-LAM BEAM GAUGE	P.C.	PRECAST CONCRETE	U. U.G.	UNDER UNDERGROUND
C.G.	CORNER GUARD	GALV.	GALVANIZED	P.O.C.	POINT OF CONNECTION	U.L.	UNDERWRITER'S LABORATORY
C.H. C.I.	CLOTHES HOOK CAST IRON	GEN. GL.	GENERAL GLASS	P.T.D. P.T.D.& R.	PAPER TOWEL DISPENSER COMBINATION PAPER	U.O.N. U/C	UNLESS OTHERWISE NOTED UNDERCOUNTER
C.J.	CONTROL JOINT/ CONSTRUCTION JOINT	GND.	GROUND		TOWEL DISPENSER & RECEPTACLE	UNF.	UNFINISHED
ę.	CENTER LINE	GR. GYP.	GRADE GYPSUM	P.T.R.	PAPER TOWEL RECEPTACLE	UR.	URINAL
C.O.	CASED OPENING/ CONDUIT ONLY/CLEANOUT	GYP.BD.	GYPSUM BOARD	P.W. PART.	PASS WINDOW PARTITION	V.0	ANALIS CARINET
CW.	COLD WATER	GFRC.	GLASS FIBER REINFORCED CONCRETE	PASS.	PASSENGER	V.C. V.C.T.	VALUE CABINET VINYL COMPOSITION TILE
CAB. CEM.	CABINET			PERF. PERIM.	PERFORATED PERIMETER	V.T.R.	VENT THROUGH ROOF
CER.	CERAMIC	H.	HIGH	PL.	PLATE	V.W.C. V.H.F.S.Z	VINYL WALL COVERING VERY HIGH FIRE SEVERITY ZONE
CHAN. CLG.	CHANNEL CEILING	H.B. H.C.	HOSE BIBB HOLLOW CORE	PLAS. PLBG.	PLASTER PLUMBING	VEND.	VENDING
CLKG.	CAULKING	H.M.	HOLLOW METAL	PLYWD.	PLYWOOD	VENT. VERT.	VENTILIATING VERTICAL
CLOS. CLR.	CLOSET	H.P.	HIGH POINT	PNT POL.	PAINT(ED) POLISHED	VEST.	VESTIBULE
CMU.	CONCRETE MASONARY UNIT	HDCP. HD.	HANDICAPPED HARD	PR.	PAIR		
CND. CNTR.	CONDUCTIVE COUNTER	HDWD. HDWR.	HARDWOOD HARDWARE	PROJ. PT.	PROJECTION/PROJECT POINT/PAINT		
COL.	COLUMN	HGT.	HEIGHT	PVC.	POLY-VINYL CHLORIDE	W. W/O	WEST WITHOUT
COMPO. CONC.	COMPOSITION CONCRETE	HORIZ.	HORIZONTAL			W.C.	WATER CLOSET
COND.	CONDITION	HR. HVAC.	HOUR HEATING VENTILATING &			W.H. WHI	WATER HEATER WARNOCK HERSEY INTERNATIONAL
CONF.	CONNECTION	HW	AIR CONDITIONING HOT WATER	Q.T.	QUARRY TILE	W.I.	INC. CLASSIFICATION WROUGHT IRON
CONN. CONST.	CONNECTION CONSTRUCTION	1144	THE WATER	R.	RISER	W.I.C.	WOODWORK INSTITUTE
CONT.	CONTINUOUS	IBC IDF	INTERNATIONAL BUILDING CODE INTERMEDIATE DISTRIBUTION FRAME	R.A.	RETURN AIR	W.R.	OF CALIFORNIA WATER RESISTANT/
CONTR. CORR.	CONTRACTOR CORRIDOR/CORRUGATED	I.D.	INSIDE DIAMETER	RAD. R.D.	RADIUS ROOF DRAIN	W.S.	WASTE RECEPT. WOOD SCREW
CPT.	CARPET	IN.	(DIMENSION) INCH	R.D.L.	ROOF DRAIN LEADER	W.S.P.	WET STANDPIPE
CTR. CTSK.	CENTER COUNTERSUNK	INSUL.	INSULATION	R.H. R.H.M.	RIGHT HAND ROUND HEAD METAL SCREW	W.W.F.	WELDED WIRE FABRIC WITH
		INT. INV.	INTERIOR INVERT	R.H.W.S.	ROUND HEAD WOOD SCREW	W/C	WHEELCHAIR
D.	DEEP	ICBO.	INTERNATIONAL	RECEPT. RECPT.	RECEPTION/IST RECEPTACLE	W/C.L.	WHEELCHAIR LAV
D.A. D.F.	DOUBLE ACTING DRINKING FOUNTAIN/		CONFERENCE OF BUILDING OFFICIAL	RECT.	RECTANGULAR	WD. WG.	WOOD WIRE GUARD/WIRE GLASS
D.FIR	DOUGLAS FIR	JAN.	JANITOR	REF. REFRIG.	REFERENCE REFRIGERATOR	WGT.	WEIGHT
D.O. D.RM.	DOOR OPENING DINING ROOM	JST.	JOIST	REG.	REGISTER	WP. WSCT.	WATERPROOF WAINSCOT
D.S.	DOWN SPOUT	JT.	JOINT	REINF. REQD.	REINFORCEMENT REQUIRED	WP#	GYPSUM ASSOCCIATION WALL PARTITION ASSEMBELY NUMBER
D.S.P. D/W	DRY STAND PIPE DISHWASHER	KIT.	KITCHEN	REQD. RESIL.	RESILIENT	WUI	WILDLIFE URBAN INTERFACE
DJW DBL.	DOUBLE			RET.	RETAIN(ING)/RETURN		
DEPT. DET.	DEPARTMENT DETAIL	L. L.H.	LENGTH LEFT HAND	REV. RM.	REVERSE ROOM		
DIA.	DIAMETER	L.H. L.P.	LOW POINT	RMS.	ROOMS		
DIAG. DIFF.	DIAGONAL DIFFUSER	LAM. LAND.	LAMINATE LANDSCAPED	R.O. R.V.B.	ROUGH OPENING RECESSED VALVE BOX		
DIFF.	DIMENSION	LAV.	LAVATORY	RWD.	REDWOOD		
DISP. DN.	DISPOSAL DOWN	LBS. LGT.	POUNDS LIGHT	RWL.	RAIN WATER LEADER		
DN. DR.	DOOR	LG1.	LINEN				
DWG.	DRAWING	LKR.	LOCKER				

DWG. DRAWING

DRW. DRAWER

LKR. LOCKER

CBC LIFE SAFETY REQUIREMENTS (RES)

CBC 420.2	WALLS SEPARATING DWELLING UNITS IN THE SAME BUILDING, WALLS SEPARATING SLEEPING UNITS IN THE SAME
	BUILDING AND WALLS SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO
	THEM IN THE SAME BUILDING SHALL BE CONSTRUCTED AS FIRE PARTITIONS IN ACCORDANCE WITH SECTION 708

CBC 420.4 GROUP R OCCUPANCIES SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.8.

CBC 420.5 FIRE ALARM SYSTEMS AND SMOKE ALARMS SHALL BE PROVIDED PER 907.2.11.

CBC T803.13 CLASS C FLAME SPREAD ON SPRINKLERED R OCCUPANCY.

CBC 903.2.8.1 AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH 903.3.1.3 SHALL BE PERMITTED IN GROUP

CBC 907.2.11.2 SINGLE- OR MULTIPLE-STATION SMOKE ALARMS SHALL BE INSTALLED AND MAINTAINED IN GROUP R-3 AT THE

1. ON THE CEILING OR WALL OUTSIDE OF EACH SEPARATE SLEEPING AREA

2. IN EACH ROOM USED FOR SLEEPING PURPOSES

CBC 907.2.11.5 WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING UNIT OR SLEEPING UNIT IN GROUP R OCCUPANCIES, 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. PHYSICAL INTERCONNECTION OF SMOKE ALARMS SHALL NOT BE REQUIRED WHERE LISTED WIRELESS ALARMS ARE INSTALLED AND ALL ALARMS SOUND UPON ACTIVATION OF ONE ALARM.

CBC 915.2.1 CARBON MONOXIDE DETECTION SHALL BE INSTALLED IN DWELLING UNITS IN THE FOLLOWING LOCATIONS

1. OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS 2. WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM. CARBON MONOXIDE DETECTION SHALL BE INSTALLED WITHIN THE BEDROOM

CBC 1031.3 PROVISIONS SHALL BE MADE FOR EMERGENCY ESCAPE AND RESCUE OPENINGS IN GROUP R OCCUPANCIES. OPENINGS SHALL BE 5.7SF WITH A MINIMUM HEIGHT OF 24 INCHES AND A MINIMUM WIDTH OF 20 INCHES. THE MAXIMUM HEIGHT ABOVE FLOOR SHALL BE 44 INCHES.

CRC REQUIREMENTS

CRC R302.3 DWELLING UNITS IN TWO-FAMILY DWELLINGS SHALL BE SEPARATED FROM EACH OTHER BY WALL AND FLOOR ASSEMBLIES HAVING NOT LESS THAN A 1-HOUR FIRE-RESISTANCE RATING

CRC R302.6 THE GARAGE AND/OR CARPORT SHALL BE SEPARATED AS REQUIRED BY TABLE R302.6. DWELLING-GARAGE SEPARATION SHALL NOT BE LESS THAN 1/2" GYPSUM BOARD APPLIED TO GARAGE SIDE.

CRC R302.7 UNDER-STAIR PROTECTION . ENCLOSED SPACE UNDER STAIRS THAT IS ACCESSED BY A DOOR OR ACCESS PANEL SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2-

CRC R302.11 FIREBLOCKING SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS

INCH (12.7 MM)GYPSUM BOARD.

REQUIREMENTS.

IN CONCEALED SPACES OF STUDS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS

OF STUDS OR STAGGERED STUDS, AS FOLLOWS

1. VERTICALLY AT THE CEILING AND FLOOR LEVELS 2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET

 AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.

• IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED

SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.

 AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E136

• FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION RL003.19. FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING

UNIT SEPARATION. CRC R302.12 DRAFTSTOPPING. IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW

THE CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY, DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET (92.9 M^). DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS.

CRC R303.1 HABITABLE ROOMS SHALL HAVE AN AGGREGATE GLAZING AREA OF NOT LESS THAN 8 PERCENT OF THE FLOOR AREA OF SUCH ROOMS. NATURAL VENTILATION SHALL BE THROUGH WINDOWS, SKYLIGHTS, DOORS, LOUVERS OR OTHER APPROVED OPENINGS TO THE OUTDOOR AIR. SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS OR SHALL OTHERWISE BE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS. THE OPENABLE AREA TO THE OUTDOORS SHALL BE NOT LESS THAN 4 PERCENT OF THE FLOOR AREA BEING VENTILATED.

CRC R303.3 BATHROOMS, WATER CLOSET COMPARTMENTS AND OTHER SIMILAR ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING AREA IN WINDOWS OF NOT LESS THAN 3 SQUARE FEET, ONEHALF OF WHICH MUST BE OPENABLE. GLAZING NOT REQUIRED WHERE LOCAL EXHAUST IS PROVIDED.

CRC R304.1 MINIMUM AREA. HABITABLE ROOMS SHALL HAVE A FLOOR AREA OF NOT LESS THAN 70 SQUARE FEET. EXCEPTION: KITCHENS

CRC R304.2 MINIMUM DIMENSIONS. HABITABLE ROOMS SHALL BE NOT LESS THAN 7 FEET IN ANY HORIZONTAL DIMENSION. EXCEPTION: KITCHENS & LIMITED DENSITY OWNER-BUILT RURAL DWELLINGS (R301.1.1.1)

CRC R304.3 HEIGHT EFFECT ON ROOM AREA . PORTIONS OF A ROOM WITH A SLOPING CEILING MEASURING LESS THAN 5 FEET (1524 MM) OR A FURRED CEILING MEASURING LESS THAN 7 FEET (2134 MM) FROM THE FINISHED FLOOR TO THE FINISHED CEILING SHALL NOT BE CONSIDERED AS CONTRIBUTING TO THE MINIMUM REQUIRED HABITABLE AREA FOR THAT ROOM.

CRC R305.1 MINIMUM HEIGHT. HABITABLE SPACE, HALLWAYS AND PORTIONS OF BASEMENTS CONTAINING THESE SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FEET (2134 MM). BATHROOMS, TOILET ROOMS LAUNDRY ROOMS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 6 FEET 8 INCHES. SEE EXCEPTIONS

CRC R307.2 BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER EADS AND SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH ALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET (1 829 MM) ABOVE THE FLOOK.

CRC R308.4 HAZARDOUS LOCATIONS. THE LOCATIONS SPECIFIED IN SECTIONS R308.4.1 THE OUGH N CONSIDERED TO BE SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF CLAZING. T OSE LOCATIONS INCLUDE: GLAZING IN DOORS; GLAZING ADJACENT TO DOORS; GLAZING WWI ATER THAN 9SF AND WHERE THE BOTTOM EDGE IS LESS THAN 18" ABOVE FLOOR AND TOP EDGE S MS AN 36" ABOVE FLOOR; GLAZING IN GUARDS AND RAILINGS; GLAZING ADJACENT TO WET STREET ZING ADJACENT TO STAIRS AND RAMPS; GLAZING ADJACENT TO BOTTOM STAIR LANDING

CRC R309.8 ELECTRIC VEHICLE (EV) CHARGING INFRASTRUCTURE . NEWLY CONSTRUCTED ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES WITH ATTACHED PRIVATE GARAGES SHALL COMPLY WITH EV INFRASTRUCTURE REQUIREMENTS

CRC R310.1 EMERGENCY ESCAPE AND RESCUE OPENING REQUIRED. BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM NOT SERVED BY AN APPROVED FIRE SPRINKLER SYSTEM SHALL HAVE NOT LESS THAN ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING. WHERE BASEMENTS CONTAIN ONE OR MORE SLEEPING ROOMS, AN EMERGENCY ESCAPE AND RESCUE OPENING SHALL BE REQUIRED IN EACH SLEEPING ROOM. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL OPEN DIRECTLY INTO A PUBLIC WAY, OR TO A YARD OR COURT THAT OPENS TO A PUBLIC WAY.

CRC REQUIREMENTS

CRC 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 <u>NOT LESS THAN 24 INCHES</u> AND THE NET CLEAR WIDTH SHALL BE <u>NOT</u> LESS THAN 20 INCHES. EXCEPTION: GRADE FLOOR OR BELOW GRADE OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5 SQUARE FEET.

CRC R310.2.2 WINDOW SILL HEIGHT. WHERE A WINDOW IS PROVIDED AS THE EMERGENCY ESCAPE AND RESCUE OPENING, IT SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT GREATER THAN 44 INCHES MEASURED FROM THE FLOOR; WHERE THE SILL HEIGHT IS BELOW GRADE, IT SHALL BE PROVIDED WITH A WINDOW WELL IN ACCORDANCE WITH SECTION R310.2.3.

CRC R310.3 EMERGENCY ESCAPE AND RESCUE DOORS. WHERE A DOOR IS PROVIDED AS THE REQUIRED EMERGENCY ESCAPE AND RESCUE OPENING, IT SHALL BE PERMITTED TO BE A SIDE-HINGED DOOR OR A SLIDER. WHERE THE OPENING IS BELOW THE ADJACENT GROUND ELEVATION, IT SHALL BE PROVIDED WITH AN AREA WELL ENCLOSURE.

CRC R311.1 MEANS OF EGRESS. DWELLINGS SHALL BE PROVIDED WITH A MEANS OF EGRESS IN ACCORDANCE WITH THIS SECTION. THE MEANS OF EGRESS SHALL PROVIDE A CONTINUOUS AND UNOBSTRUCTED PATH OF VERTICAL AND HORIZONTAL EGRESS TRAVEL FROM ALL PORTIONS OF THE DWELLING TO THE REQUIRED EGRESS DOOR WITHOUT REQUIRING TRAVEL THROUGH A GARAGE. THE REQUIRED EGRESS DOOR SHALL OPEN DIRECTLY INTO A PUBLIC WAY OR TO A YARD OR COURT THAT OPENS TO A PUBLIC WAY.

CRC R311.2 EGRESS DOOR. NOT LESS THAN ONE EGRESS DOOR SHALL BE PROVIDED FOR EACH DWELLING UNIT. THE EGRESS DOOR SHALL BE SIDE-HINGED, AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP. WITH THE DOOR OPEN 90 DEGREES. THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP.

CRC R311.4 VERTICAL EGRESS. EGRESS FROM HABITABLE LEVELS INCLUDING HABITABLE ATTICS AND BASEMENTS NOT PROVIDED WITH AN EGRESS DOOR IN ACCORDANCE WITH SECTION R311.2 SHALL BE BY ONE OR MORE RAMPS IN ACCORDANCE WITH SECTION R311.8 OR ONE OR MORE STAIRWAYS IN ACCORDANCE WITH SECTION R311.7 OR BOTH. FOR HABITABLE LEVELS OR BASEMENTS LOCATED MORE THAN ONE STORY ABOVE OR MORE THAN ONE STORY BELOW AN EGRESS DOOR, THE MAXIMUM TRAVEL DISTANCE FROM ANY OCCUPIED POINT TO A STAIRWAY OR RAMP THAT PROVIDES EGRESS FROM SUCH HABITABLE LEVEL OR BASEMENT, SHALL NOT EXCEED 50FEET.

CRC R311.6 HALLWAYS. THE WIDTH OF A HALLWAY SHALL BE NOT LESS THAN 3 FEET.

CRC R311.7.1 STAIRWAYS: WIDTH. STAIRWAYS SHALL BE NOT LESS THAN 36 INCHES IN CLEAR WIDTH AT ALL POINTS ABOVE THE PERMITTED HANDRAIL HEIGHT AND BELOW THE REQUIRED HEADROOM HEIGHT. HANDRAILS SHALL NOT PROJECT MORE THAN INCHES ON EITHER SIDE OF THE STAIRWAY AND THE CLEAR WIDTH OF THE STAIRWAY AT AND BELOW THE HANDRAIL HEIGHT, INCLUDING TREADS AND LANDINGS, SHALL BE NOT LESS THAN 3 1/2 INCHES WHERE A HANDRAIL IS INSTALLED ON ONE SIDE AND 27 INCHESWHERE HANDRAILS ARE PROVIDED ON BOTH SIDES.

CRC R311.7.2 STAIRWAYS: HEADROOM. THE HEADROOM IN STAIRWAYS SHALL BE NOT LESS THAN 6 FEET 8 INCHES MEASURED VERTICALLY FROM THE SLOPED LINE ADJOINING THE TREAD NOSING OR FROM THE FLOOR SURFACE OF THE LANDING OR PLATFORM ON THAT PORTION OF THE STAIRWAY.

CRC R311.7.3 VERTICAL RISE. A FLIGHT OF STAIRS SHALL NOT HAVE A VERTICAL RISE LARGER THAN 12 FEET, 7 INCHES (3835 MM) BETWEEN FLOOR LEVELS OR LANDINGS.

CRC R311.7.5.1 STAIRWAYS: RISER HEIGHT SHALL NOT BE MORE THAN 7 3/4"

CRC R311.7.5.2 STAIRWAYS: TREADS SHALL NOT BE LESS THAN 10"

CRC R311.7.6 LANDINGS FOR STAIRWAYS: THERE SHALL BE A FLOOR OR LANDING AT THE TOP AND BOTTO STAIRWAYS. THE LANDING SHALL BE AS WIDE AS THE DOOR AND 36" DEEP.

CRC R311.7.8 HANDRAILS SHALL BE PROVIDED ON NOT LESS THAN ONE SIDE OF EACH CON F TREADS OR FLIGHT WITH FOUR OR MORE RISERS.

CRC R312.1.1 GUARDS: GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SUN LANDINGS, THAT ARE LOCATED MORE THAN 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY TO THE EDG OF HE OPEN 3.DE. INSECT SCREENING SHALL NOT BE CONSIDERED AS A GUARD.

CRC R312.1.2 GUARDS: HEIGHT. REQUIRED GUARDS AT OPEN-SIDED VALKING SURFACES, INCLUDING STAIRS, PORCHES, BALCONIES OR LANDINGS, SHALL BE NOT LESS THAN 42 NCHES IN HEIGHT AS MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE OR THE LINE CONNECTING. HE LADING EDGES OF THE TREADS.

CRC R312.1.3 GUARDS: OPENING LIMITATIONS. REQUIRED SHALL NOT HAVE OPENINGS FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT THE OW PASSAGE OF A SPHERE 4 INCHES IN DIAMETER.

CRC R313.3 DWELLING UNIT FIRE SPRINKLED SYSTEMS: THE DESIGN AND INSTALLATION OF RESIDENTIAL FIRE SPRINKLER H NFPA 13D OR SECTION R313.3, WHICH SHALL BE CONSIDERED SYSTEMS SHALL BE IN ACCOR EQUIVALENT TO NFPA 13.7 PARTIAL RESIDENTIAL SPRINKLER SYSTEMS SHALL BE PERMITTED TO BE INSTALLED ONLY IN BUILDINGS NOT REQUIRE TO BE EQUIPPED WITH A RESIDENTIAL SPRINKLER SYSTEM. SECTION R313.3 SHALL APPLY TO STAND-ALONE AND MULTIPURPOSE WET-PIPE SPRINKLER SYSTEMS THAT DO NOT INCLUDE THE USE OF ANTIFREEZE A MULTIPURPOSE FIRE SPRINKLER SYSTEM SHALL SUPPLY DOMESTIC WATER TO BOTH FIRE SPRINKLERS AND PLUMBING FIXTURES. A STAND-ALONE SPRINKLER SYSTEM SHALL BE SEPARATE AND INDEPENDENT F M THE WATER DISTRIBUTION SYSTEM.

OCATION. SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING CRC R314.3 SMOKE A

> SIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS. ACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS AND NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS.

SMOKE ALARMS SHALL BE INSTALLED NOT LESS THAN 3 FEET HORIZONTALLY FROM THE DOOR OR OPENING OF A BATHROOM THAT CONTAINS A BATHTUB OR SHOWER UNLESS THIS WOULD PREVENT PLACEMENT OF A SMOKE ALARM REQUIRED BY SECTION R314.3.

5. THE HALLWAY AND IN THE ROOM OPEN TO THE HALLWAY IN DWELLING UNITS WHERE THE CEILING HEIGHT OF A ROOM OPEN TO A HALLWAY SERVING BEDROOMS EXCEEDS THAT OF THE HALL-WAY BY 24 INCHES OR MORE.

SPECIFIC LOCATION REQUIREMENTS. SEE NFPA 72 SECTION 29.8.3.4 FOR MORE SPECIFIC LOCATION

CRC R314.4 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

CRC R314.5 COMBINATION ALARMS. COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS.

CRC R314.6 POWER SOURCE. SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWERFROM THE BUILDING WIRING PROVIDED THAT SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND 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 AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIREDFOR OVERCURRENT PROTECTION.

CRC R315.3 CARBON MONOXIDE DETECTOR LOCATION. CARBON MONOXIDE ALARMS IN DWELLING UNITS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTRUCTIONS IN THE

OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.

2. ON EVERY OCCUPIABLE LEVEL OF A DWELLING UNIT, INCLUDING BASEMENTS.

3. WHERE A FUEL-BURNING APPLIANCE IS LOCATED WITHIN A BEDROOM OR ITS ATTACHED BATHROOM, A

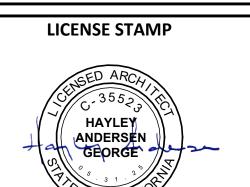


PROJECT

SHASTA COUNTY PRE-APPROVED

ADU 1 - PACIFIC CREST COTTAGE

	R	EVISIONS	
DATE	X	DESCRIPTION	1



CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING

8/7/2023

DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW. PROJ ARCH:

SET ISSUE DATE:

ABBREVIATIONS & CODE

ANALYSIS - CRC & CBC

AND END USE. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA UL. 1. IN CRAWL SPACES OR UNEXCAVATED AREAS LOCATED WITHIN THE PERIPHERY OF THE BUILDING FOUNDATION, WOOD JOISTS OR THE BOTTOM OF A WOOD STRUCTURAL FLOOR WHERE CLOSER THAN 18 3-78 INCHES (457 MM) TO EXPOSED

> WHERE CLOSER THAN 8 INCHES (204 MM) TO EXPOSED GROUND. 2. WOOD FRAMING MEMBERS, INCLUDING COLUMNS, THAT REST DIRECTLY ON CONCRETE OR MASONRY EXTERIOR

GROUND, WOOD GIRDERS WHERE CLOSER THAN 12 INCHES (305 MM) TO EXPOSED GROUND, AND WOOD COLUMNS

FOUNDATION WALLS AND ARE LESS THAN 8 INCHES (203 MM) FROM THE EXPOSED GROUND. 3. SILLS AND SLEEPERS ON A CONCRETE OR MASONRY SLAB THAT IS IN DIRECT CONTACT WITH THE GROUND UNLESS SEPARATED FROM SUCH SLAB BY AN IMPERVIOUS MOISTURE BARRIER.

4. THE ENDS OF WOOD GIRDERS ENTERING EXTERIOR MASONRY OR CONCRETE WALLS HAVING CLEARANCES OF LESS THAN 1/2 INCH ON TOPS, SIDES AND ENDS.

5. WOOD SIDING, SHEATHING AND WALL FRAMING ON THE EXTERIOR OF A BUILDING HAVING A CLEARANCE OF LESS THAN 6 INCHES FROM THE GROUND OR LESS THAN 2 INCHES MEASURED VERTICALLY FROM CONCRETE STEPS, PORCH SLABS, PATIO SLABS AND SIMILAR HORIZONTAL SURFACES EXPOSED TO THE WEATHER.

6. WOOD STRUCTURAL MEMBERS SUPPORTING MOISTURE-PERMEABLE FLOORS OR ROOFS THAT ARE EXPOSED TO THE WEATHER, SUCH AS CONCRETE OR MASONRY SLABS, UNLESS SEPARATED FROM SUCH FLOORS OR ROOFS BY AN

7. WOOD FURRING STRIPS OR OTHER WOOD FRAMING MEMBERS ATTACHED DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY WALLS OR CONCRETE WALLS BELOW GRADE EXCEPT WHERE AN APPROVED VAPOR RETARDER IS APPLIED BETWEEN THE WALL AND THE FURRING STRIPS OR FRAMING MEMBERS.

8. PORTIONS OF WOOD STRUCTURAL MEMBERS THAT FORM THE STRUCTURAL SUPPORTS OF BUILDINGS, BALCONIES, PORCHES OR SIMILAR PERMANENT BUILDING APPURTENANCES WHERE THOSE MEMBERS ARE EXPOSED TO THE WEATHER WITHOUT ADEQUATE PROTECTION FROM A ROOF, EAVE, OVERHANG OR OTHER COVER-ING THAT WOULD PREVENT MOISTURE OR WATER ACCUMULATION ON THE SURFACE OR AT JOINTS BETWEEN MEMBERS. EXCEPTION: SAWN LUMBER USED IN BUILDINGS LOCATED IN A GEOGRAPHICAL REGION WHERE EXPERIENCE HAS DEMON-STRATED THAT CLIMATIC CONDITIONS PRECLUDE THE NEED TO USE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD WHERE THE STRUCTURE IS EXPOSED TO THE WEATHER.

9. WOOD COLUMNS IN CONTACT WITH BASEMENT FLOOR SLABS UNLESS SUPPORTED BY CONCRETE PIERS OR METAL PEDESTALS PROJECTING NOT LESS THAN 1 INCH (25 MM) ABOVE THE CON-CRETE FLOOR AND SEPARATED FROM THE CONCRETE PIER BY AN IMPERVIOUS MOISTURE BARRIER.

GROUND CONTACT. ALL WOOD IN CONTACT WITH THE GROUND, EMBEDDED IN CONCRETE IN DIRECT CONTACT WITH THE GROUND OR EMBEDDED IN CONCRETE EXPOSED TO THE WEATHER THAT SUPPORTS PERMANENT STRUCTURES INTENDED FOR HUMAN OCCUPANCY SHALL BE APPROVED PRESSURE-PRESERVATIVETREATED WOOD SUITABLE FOR GROUND CONTACT USE. EXCEPT THAT UNTREATED WOOD USED ENTIRELY BELOW GROUNDWATER LEVEL OR CONTINUOUSLY SUBMERGED IN FRESH WATER SHALL NOT BE REQUIRED TO BE PRESSURE-PRESERVATIVE TREATED.

ADDRESS IDENTIFICATION. BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICA-TION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE NOT LESS THAN 4 INCHES (102 MM) IN HEIGHT WITH A STROKE WIDTH OF NOT LESS THAN 0.5 INCH (12.7 MM). WHERE REQUIRED BY THE FIRE CODE OFFICIAL, ADDRESS IDENTIFICATION SHALL BE PROVIDED IN ADDITIONAL APPROVED LOCATIONS TO FACILITATE EMERGENCY RESPONSE. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. ADDRESS IDENTIFICATION

ACCESSIBILITY SCOPE. DWELLING UNITS IN A BUILDING CONSISTING OF THREE OR MORE DWELLING UNITS OR FOUR OR MORE CONDOMINIUM UNITS SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE CHAPTER 11A. COVERED MULTIFAMILY DWELLINGS INCLUDE BUT ARE NOT LIMITED TO DWELLING UNITS LISTED IN SECTION 1.8.2. 1.2. DWELLING UNITS WITHIN A SINGLE STRUCTURE SEPARATED BY FIREWALLS DO NOT CONSTITUTE SEPARATE BUILDINGS.

CRC R324.6.2 PHOTOVOLTAICS SETBACK AT RIDGE: FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.

CRC R327.1 AGING-IN-PLACE DESIGN AND FALL PREVENTION. NEWLY CONSTRUCTED DWELLINGS SUBJECT TO THE REQUIREMENTS OF THIS CODE SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH SECTIONS R327.1.1 THROUGH R327. 1.4.

CRC R327.1.1 REINFORCEMENT FOR GRAB BARS. AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED IN ACCORDANCE WITH THIS SECTION. WHERE THERE IS NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH THIS SECTION. SEE EXCEPTIONS.

CRC R327.1.3 INTERIOR DOORS. AT LEAST ONE BATHROOM AND ONE BEDROOM ON THE ENTRY LEVEL SHALL PROVIDE A DOORWAY WITH A NET CLEAR OPENING OF NOT LESS THAN 32 INCHES, MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM THE CLOSED POSITION; OR, IN THE CASE OF A TWO- OR THREE-STORY SINGLE FAMILY DWELLING, ON THE SECOND OR THIRD FLOOR OF THE DWELLING IF A BATHROOM OR BEDROOM IS NOT LOCATED ON THE ENTRY LEVEL.

CRC R337 MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE: SEE SEPARATE NOTE SECTION WHERE APPLICABLE

DRAINAGE: THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 6" IN THE FIRST 10'-0" (MINIMUM 5% SLOPE), MEASURED PERPENDICULAR TO THE FACE OF THE WALL. IMPERVIOUS SURFACES WITHIN 10'-0" OF THE BUILDING SHALL BE SLOPED A MINIMUM OF 2% AWAY FROM THE BUILDING.

CRC R406.1 CONCRETE AND MASONRY FOUNDATION DAMPPROOFING. EXCEPT WHERE REQUIRED BY SECTION R406.2 TO BE WATERPROOFED, FOUNDATION WALLS THAT RETAIN EARTH AND ENCLOSE INTERIOR SPACES AND FLOORS BELOW GRADE SHALL BE DAMPPROOFED FROM THE HIGHER OF (A) THE TOP OF THE FOOTING OR (B) 6 INCHES BELOW THE TOP OF THE BASEMENT FLOOR, TO THE FINISHED GRADE. MASONRY WALLS SHALL HAVE NOT LESS THAN INCH PORTLAND CEMENT PARGING APPLIED TO THE EXTERIOR OF THE WALL. THE PARGING SHALL BE DAMPPROOFED IN ACCORDANCE WITH ONE OF THE FOLLOWING:

1. BITUMINOUS COATING.

LISTED APPROVED MATERIALS

2. THREE POUNDS PER SQUARE YARD OF ACRYLIC MODIFIED CEMENT.

3. ONE-EIGHTH-INCH COAT OF SURFACE-BONDING CEMENT COMPLYING WITH ASTM C887.

4. ANY MATERIAL PERMITTED FOR WATERPROOFING IN SECTION R406.2.

5. OTHER APPROVED METHODS OR MATERIALS.

DAMPPROOFING FOR WOOD FOUNDATIONS. WOOD FOUNDATIONS ENCLOSING HABITABLE OR USABLE SPACES LOCATED BELOW GRADE SHALL BE DAMPPROOFED IN ACCORDANCE WITH SECTIONS R406.3.1 THROUGH R406.3.4.

MOISTURE CONTROL. THE UNDER-FLOOR SPACE BETWEEN THE BOTTOM OF THE FLOOR JOISTS AND THE EARTH UNDER ANY BUILDING (EXCEPT SPACE OCCUPIED BY A BASEMENT) SHALL COMPLY WITH SECTION R408.2 (UNDERFLOOR VENTILATION) OR R408.3 (UNVENTED CRAWL SPACE)

CRC R408.2 OPENINGS FOR UNDER-FLOOR VENTILATION. THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL BE NOT LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET OF UNDER-FLOOR AREA. ONE VENTILATION OPENING SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE BUILDING. VENTILATION OPENINGS SHALL BE COVERED FOR THEIR HEIGHT AND WIDTH WITH ANY OF THE

CRC R408.3 UNVENTED CRAWL SPACE. FOR UNVENTED UNDER-FLOOR SPACES, THE FOLLOWING ITEMS SHALL BE PROVIDED: 1. EXPOSED EARTH SHALL BE COVERED WITH A CONTINUOUS CLASS I VAPOR RETARDER. JOINTS OF THE VAPOR RETARDER SHALL OVER- 2022 CALIFORNIA RESIDENTIAL CODE FOUNDATIONS LAP BY 6 INCHES (152 MM) AND SHALL BE SEALED OR TAPED. THE EDGES OF THE VAPOR RETARDER SHALL EXTEND NOT LESS THAN 6 INCHES (152 MM) UP THE STEM WALL AND SHALL BE

> ATTACHED AND SEALED TO THE STEM WALL OR INSULATION. 2. ONE OF FOUR LISTED APPROVED OPTIONS FOR MECHANICAL CONDITIONING

CRC R506.2.3 VAPOR RETARDER. A MINIMUM 10-MIL (0.010 INCH; 0.254 MM) VAPOR RETARDER CONFORMING TO ASTM E1745 CLASS A REQUIREMENTS WITH JOINTS LAPPED NOT LESS THAN 6 INCHES (152 MM) SHALL BE PLACED BETWEEN THE CONCRETE FLOOR SLAB AND THE BASE COURSE OR THE PREPARED SUBGRADE WHERE A BASE COURSE DOES NOT EXIST. SEE EXCEPTIONS.

ATTIC ACCESS. BUILDINGS WITH COMBUSTIBLE CEILING OR ROOF CONSTRUCTION SHALL HAVE AN ATTIC ACCESS OPENING TO CRC R807 ATTIC AREAS THAT HAVE A VERTICAL HEIGHT OF 30 INCHES OR GREATER OVER AN AREA OF NOT LESS THAN 30 SQUARE FEET. THE VERTICAL HEIGHT SHALL BE MEASURED FROM THE TOP OF THE CEILING FRAMING MEMBERS TO THE UNDERSIDE OF THE ROOF FRAMING MEMBERS.

WUI REQUIREMENTS

337.5.1 GENERAL. ROOFS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER R337 AND R902.ROOFS SHALL HAVE A ROOFING ASSEMBLY INSTALLED IN ACCORDANCE WITH ITS LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

R337.5.2 ROOF COVERINGS. WHERE THE ROOF PROFILE ALLOWS A SPACE BETWEEN THE ROOF COVERING AND THE ROOF DECK, THE SPACES SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS, BE FIRESTOPPED WITH APPROVED MATERIALS OR HAVE ONE LAYER OF MINIMUM 72 POUND MINERAL-SURFACED NONPERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 INSTALLED OVER THE COMBUSTIBLE DECKING.

R337.5.3 ROOF VALLEYS. WHERE VALLEY FLASHING IS INSTALLED, THE FLASHING SHALL BE NOT LESS THAN 0.019 INCH NO. 26 GAUGE GALVANIZED SHEET CORROSION-RESISTANT METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MINIMUM 72-POUND MINERAL-SURFACED NONPERFORATED CAP SHEET COMPLYING WITH ASTM

D3909, AT LEAST 36" WIDE RUNNING THE FULL LENGTH OF THE VALLEY.

R337.5.4 ROOF GUTTERS . ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTERS

R337.6.1 GENERAL. WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE. SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CALIFORNIA BUILDING CODE AND SECTIONS R337.6.1 THROUGH R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THROUGH THE VENTILATION OPENINGS.

R337.6.2 REQUIREMENTS. VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED, BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS:

1. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION

2. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEG-RITY TEST PORTION OF THE FLAME INTRUSION TEST.

3. THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662°F

R337.6.2.1 OFF RIDGE AND RIDGE VENTS. VENTS THAT ARE INSTALLED ON A SLOPED ROOF, SUCH AS

DORMER VENTS, SHALL COMPLY WITH ALL THE FOLLOWING: 1. VENTS SHALL BE COVERED WITH A MESH WHERE THE DIMENSIONS OF THE MESH THEREIN SHALL BE

A MINI-MUM OF 1/16 INCH (1.6 MM) AND SHALL NOT EXCEED 1/8 INCH (3.2 MM) IN DIAMETER. 2. THE MESH MATERIAL SHALL BE NONCOMBUSTIBLE.

3. THE MESH MATERIAL SHALL BE CORROSION RESISTANT.

R337.7.1 SCOPE. THE PROVISIONS OF THIS SECTION SHALL GOVERN THE MATERIALS AND CONSTRUCTION METHODS USED TO RESIST BUILDING IGNITION AND / OR SAFEGARD AGAINST THE INTRUSION OF FLAMES RESULTING FROM SMALL EMBER AND SHORT-TERM DIRECT FLAME CONTACT EXPOSURE.

R337.7.2 GENERAL THE FOLLOWING EXTERIOR COVERING MATERIALS AND / OR ASSEMBLIES SHALL COMPLY WITH THIS SECTION:

1. EXTERIOR WALL COVERING.

2. EXTERIOR WALL ASSEMBLIES.

3. EXTERIOR EXPOSED UNDERSIDE OF ROOF EVE OVERHANGS.

4. EXTERIOR EXPOSED UNDERSIDE OF ROOF EAVE SOFFITS.

5. EXPOSED UNDERSIDE OF EXTERIOR PORCH CEILINGS. 6. EXTERIOR EXPOSED UNDERSIDE OF FLOOR PROJECTIONS.

7. EXTERIOR UNDERFLOOR AREAS. **EXCEPTIONS:**

> EXTERIOR WALL ARCHITECTURAL TRIM EMBELLISHMENTS, FASCIAS AND GUTTERS 2. ROOF OR WALL TOP CORNICE PROJECTIONS AND SIMILAR ASSEMBLIES.

3. DECK WALKING SURFACES SHALL COMPLY WITH SECTION R337.9 ONLY.

<u>R337.7.3 EXTERIOR WALL COVERINGS.</u> THE EXTERIOR WALL COVERING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING REQUIREMENTS, EXCEPT AS PERMITTED FOR EXTERIOR WALL ASSEMBLIES COMPLYING

WITH SECTION R337.7.4: 1. NONCOMBUSTIBLE MATERIAL.

2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION R337.4.2.

3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE CALIFORNIA BUILDING CODE.

R337.7.3.1 EXTENT OF EXTERIOR WALL COVERING . EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH (50.8 MM) NOMINAL SOLID WOOD BLOCKING BETWEEN RAFIERS AT ALL ROOF OVERHANGS, OR IN THE CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.

R337.7.4 EXTERIOR WALL ASSEMBLIES. EXTERIOR WALL ASSEMBLIES OF BUILDINGS OR STRUCTURES SHALL BE CONSTRUCTED USING ONE OR MORE OF THE FOLLOWING METHODS, UNLESS THEY ARE COVERED BY AN EXTERIOR WALL COVERING COMPLYING WITH SECTION R337.7.3:

1. ASSEMBLY OF SAWN LUMBER OR GLUE-LAMINATED WOOD WITH THE SMALLEST MINIMUM NOMINAL DIMENSION OF 4 INCHES (102 MM). SAWN OR GLUE-LAMINATED PLANKS SPLINED, TONGUE-AND-GROVE, OR SET CLOSE TOGETHER AND WELL SPIKED.

2. LOG WALL CONSTRUCTION ASSEMBLY. 3. ASSEMBLY THAT HAS BEEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES FOR A 10-MINUTE DIRECT FLAME CON-TACT EXPOSURE TEST SET FORTH IN ASTM E2707 WITH THE CONDITIONS OF ACCEPTANCE SHOWN IN SECTION R337.7.4.1.

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

5. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE WITH A 1-HOUR FIRE-RESISTANCE RATING, RATED FROM THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.

6. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE CONTAINING ONE LAYER OF 5/8 INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR WALL COVERING OR CLADDING ON THE EXTERIOR SIDE OF THE FRAMING.

7. ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE CONTAIN-ING ANY OF THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL AS COMPLYING WITH A 1-HOUR FIRE-RESISTANCE RATING, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.

R337.7.5 OPEN ROOF EAVES . THE EXPOSED ROOF DECKING ON THE UNDERSIDE OF UNENCLOSED ROOF EAVES SHALL CONSIST OF ONE OF THE FOLLOWING:

1. NONCOMBUSTIBLE MATERIAL. 2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2.

3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE CALIFORNIA

4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.

5. ONE LAYER OF 5/8-INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE OF THE ROOF DECK.

6. THE EXTERIOR PORTION OF A 1-HOUR FIRE-RESISTANCE-RATED EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, APPLIED TO THE UNDER-SIDE OF THE ROOF DECK DESIGNED FOR EXTERIOR FIRE EXPO-SURE, INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. EXCEPTIONS: THE FOLLOWING MATERIALS DO NOT REQUIRE PROTECTION:

1. FASCIA AND OTHER ARCHITECTURAL TRIM BOARDS.

WUI REQUIREMENTS

R337.7.6 ENCLOSED ROOF EAVES AND ROOF EAVE SOFFITS. THE EXPOSED UNDERSIDE OF ENCLOSED ROOF EAVES HAVING EITHER A BOXED-IN ROOF EAVE SOFFIT WITH A HORIZONTAL UNDERSIDE, OR SLOPED RAFTER TAILS WITH AN EXTERIOR COVERING APPLIED TO THE UNDERSIDE OF THE RAFTER TAILS, SHALL BE PROTECTED BY ONE OF THE FOLLOWING:

 NONCOMBUSTIBLE MATERIAL 2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR

EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION R337.4. 2. 3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE CALIFORNIA

4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.

5. ONE LAYER OF 5/8 INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING OR CLADDING ON THE UNDERSIDE OF THE RAFTER TAILS OR SOFFIT

THE EXTERIOR PORTION OF A I-HOUR FIRE RESISTIVE EXTE-RIOR ASSEMBLY APPLIED TO THE UNDERSIDE OF THE RAFTER TAILS OR SOFFIT, INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN

BOXED-IN ROOF EAVE SOFFIT ASSEMBLIES WITH A HORIZON-TAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION R337.7.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957.

PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3. EXCEPTION TO SECTION R337.7.6: THE FOLLOWING MATERIALS DO NOT REQUIRE PROTECTION.

BOXED-IN ROOF EAVE SOFFIT ASSEMBLIES WITH A HORIZON-TAL UNDERSIDE THAT MEET THE

R337.7.7 EXTERIOR PORCH CEILINGS. THE EXPOSED UNDERSIDE OF EXTERIOR PORCH CEILINGS SHALL BE PROTECTED BY ONE OF THE FOLLOWING

FASCIA AND OTHER ARCHITECTURAL TRIM BOARDS.

1. NONCOMBUSTIBLE MATERIAL. 2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR

EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION R337. 4.2. 3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE CALIFORNIA **BUILDING CODE**

4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.

5. ONE LAYER OF 5/8 INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING ON THE UNDERSIDE OF THE CEILING.

6. THE EXTERIOR PORTION OF A 1-HOUR FIRE-RESISTANCE-RATED EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119, APPLIED TO THE UNDERSIDE OF-THE CEILING ASSEMBLY, INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL

PORCH CEILING ASSEMBLIES WITH A HORIZONTAL UNDER-SIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION R337.7.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET

PORCH CEILING ASSEMBLIES WITH A HORIZONTAL UNDER-SIDE THAT MEET THE PERFORMANCE CRITERIA IN ACCOR-DANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3. EXCEPTION: ARCHITECTURAL TRIM BOARDS

R337.7.8 FLOOR PROJECTIONS. THE EXPOSED UNDERSIDE OF A CANTILEVERED FLOOR PROJECTION WHERE A FLOOR ASSEMBLY EXTENDS OVER AN EXTERIOR WALL SHALL BE PROTECTED BY ONE OF THE FOLLOWING:

1. NONCOMBUSTIBLE MATERIAL 2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR

EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION R337.4.2. 3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE CALIFORNIA BUILDING CODE.

MATERIALS APPROVED FOR NOT LESS THAN I-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON

THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263. ONE LAYER OF */,-INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR

COVERING ON THE UNDERSIDE OF THE FLOOR PROJECTION THE EXTERIOR PORTION OF A 1-HOUR FIRE-RESISTANCE-RATED EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, APPLIED TO THE UNDER-SIDE OF THE FLOOR PROJECTION, INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS

LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. 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

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. EXCEPTION TO SECTION R337.7.8: ARCHITECTURAL

EXCEPTION: ARCHITECTURAL TRIM BOARDS.

R337.7.9 UNDERFLOOR PROTECTION. 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 CONSIST OF ONE OF THE FOLLOWING:

1. NONCOMBUSTIBLE MATERIAL. 2. IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR

EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION R337.4.2. 3. FIRE-RETARDANT-TREATED WOOD. THE _FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 OF THE CALIFORNIA

BUILDING CODE. 4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263.

5. ONE LAYER OF 5/8 INCH (16 MM) TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE OF THE FLOOR PROJECTION 6. THE EXTERIOR PORTION OF A I-HOUR FIRE-RESISTANCE-RATED EXTERIOR ASSEMBLY, AS TEST

ACCORDANCE WITH ASTM E119 OR UL 263, APPLIED TO THE UNDER-SIDE OF THE FLOOR, INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MAN-UAL. MN.

THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE PERFORMANCE CRITCALA IN S R337.7.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET

8. THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE PERFORMAN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STAN EXCEPTION TO SECTION R337.7.9: STRUCTURAL COLUMNS

PROTECTION WHEN THEY ARE CONSTRUCTED WITH SAW LUMPER OR GLUE LAMINATED WOOD WITH THE SMALLEST MINIMUM NOMINAL DIMENS. WOF 4 INCHES (102 MM). SAWN OR GLUE-LAMINATED PLANKS SHALL BE SPLINED, TONGUE-AND GROVE, OR SET CLOSE TOGETHER AND WELL SPIKED.

R337.7.8 UNDERSIDE OF APPENDAGES. WHEN REQUIRED BY EN ENFORCING AGENCY THE UNDERSIDE OF OVERHANGING APPENDAGES SHALL BE ENCLOSED O GRA E IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE UNDERSIDE OF THE EXEDSED UNDER FLOOR SHALL BE PROTECTED BY ONE OF THE

1. SEE LIST ABOVE FOR R337.7.9 EXCEPTION TO SECTION R237.7.10 UCTURAL COLUMNS AND BEAMS DO NOT REQUIRE PROTECTION WHEN THEY ARE CONSTRUCTED WITH SAWN LUMBER OR GLUE-LAMINATED WOOD WITH THE SMALLEST NIMUM NOMINAL DIMENSION OF 4 INCHES (102 MM). SAWN OR GLUE-LAMINATED PLANKS SHALL BE SPLINED, TONGUE-AND-GROVE, OR SET CLOSE TOGETHER AND WELL SPIKED.

WUI REQUIREMENTS

<u>SECTION R337.8 EXTERIOR WINDOWS, SKYLIGHTS & DOORS</u> R337.8.2 EXTERIOR GLAZING. THE FOLLOWING EXTERIOR GLAZING MATERIALS AND/OR ASSEMBLIES SHALL

COMPLY WITH THIS SECTION EXTERIOR WINDOWS.

EXTERIOR GLAZED DOORS.

3. GLAZED OPENINGS WITHIN EXTERIOR DOORS

4. GLAZED OPENINGS WITHIN EXTERIOR GARAGE DOORS.

EXTERIOR STRUCTURAL GLASS VENEER.

6. SKYLIGHTS VENTS

R337.8.2.1 EXTERIOR WINDOWS, SKYLIGHTS AND EXTERIOR GLAZED DOOR ASSEMBLY REQUIREMENTS EXTERIOR WINDOWS AND EXTERIOR DOOR ASSEMBLIES SHALL COMPLY WITH ONE OF THE FOLLOWING

1. BE CONSTRUCTED OF MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION R308 SAFETY GLAZING, OR

2. BE CONSTRUCTED OF GLASS BLOCK, OR 3. HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO

NFPA 257, OR 4. BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2

R337.8.2 STRUCTURAL GLASS VENEER . THE WALL ASSEMBLY BEHIND STRUCTURAL GLASS VENEER SHALL COMPLY WITH SECTION R337.7.3.

R337.8.3 EXTERIOR DOORS. EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING:

1. THE EXTERIOR SURFACE OR CLADDING SHALL BE OF NON-COMBUSTIBLE OR 2. THE EXTERIOR SURFACE OR CLADDING SHALL BE OF IGNITION-RESISTANCE MATERIAL, OR

3. THE EXTERIOR DOOR SHALL BE CONSTRUCTED OF SOLID CORE WOOD THAT COMPLY WITH THE FOLLOWING REQUIREMENTS: 1. STILES AND RAILS SHALL BE NOT LESS THAN 1 3/8" THICK.

2. PANELS SHALL NOT BE LESS THAN 1 1/4" THICK, EXCEPT FOR THE EXTERIOR PERIMETER OF THE RAISED PANEL THAT MAY TAPER TO A TONGUE NOT LESS THAN 3/8" THICK.

4. THE EXTERIOR DOOR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN

TESTED ACCORDING TO NFPA 252. 5. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE

REQUIREMENTS OF ASTM E2707. 6. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE

R337.8.3.1 EXTERIOR DOOR GLAZING . GLAZING IN EXTERIOR DOORS SHALL COMPLY WITH SECTION R337.8.2.1

R337.8.4 WEATHER STRIPPING. EXTERIOR GARAGE DOORS SHALL BE PROVIDED WITH WEATHER STRIPPING TO RESIST THE INTRUSION OF EMBERS FROM ENTERING THROUGH GAPS BETWEEN DOORS AND DOOR OPENINGS WHEN VISIBLE GAPS EXCEED 1/8". WEATHER STRIPPING OR SEALS SHALL BE INSTALLED ON THE BOTTOM, SIDES AND TOPS OF DOORS TO REDUCE GAPS BETWEEN DOORS AND DOOR OPENINGS TO 1/8" OR LESS.

R337.9.1 GENERAL. THE WALKING SURFACE MATERIALS OF DECKS, PORCHES BALCONIES AND STAIRS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION.

R337.9.2 WHERE REQUIRED. THE WALKING SURFACE MATERIAL OF DECKS, PORCHES, BALCONIES AND STAIRS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION WHEN ANY PORTION OF SUCH SURFACE IS WITHIN 10 FEET OF THE BUILDING.

R337.9.3 DECKING SURFACES. THE WALKING SURFACE MATERIAL OF DECKS, PO STAIRS SHALL BE CONSTRUCTED WITH ONE OF THE FOLLOWING MATERIAL

1. MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIRE LENTS OF TESTED IN IN ACCORDANCE WITH BOTH ASTM E2632 AND AST 2. IGNITION-RESISTANE MATERIAL THAT COMPLIES WITH THE REQUIREMENTS OF

SECTION R337.4.3 WHEN TESTED IN ACCORDANCE WAT MATERIAL THAT COMPLIES WITH THE PERFORMAND

REQUIREMENTS OF SFM STANDARD 12-7A-1

12-7A-4 AND SFM STANDARD 12-7A-5.

4. EXTERIOR FIRE RETARDANT WOOD. 5. NON-COMBUSTIBLE MATERIAL 6. ANY MATERIAL THAT COMPLIES WITH THE TERFORM INCEREQUIREMENTS OF SFM STANDARD 12-7A-4A WHEN ATTACHED EXTERIOR WALL COVER G IS ALSO COMPOSED OF NON-COMBUSTIBLE

OR IGNITION-RESISTANT MATERIAL A. EXCEPTION: WALL MAN RIAL MAY BE OF ANY MATERIAL THAT OTHERWISE COMPLIES WITH THIS CHAPTER WHILL DECKING SULFACE MATERIAL COMPLIES WITH THE PERFORMANCE REQUIREMENT. ASTN 34 WITH A CLASS B FLAME SPREAD RATING.

IREMENTS OF BOTH SFM STANDARD

7. ANY MATERIAL THAT THE PERFORMANCE REQUIREMENTS OF SECTION R337.9.5 WHEN TESTED IN NCE WITH ASTM E2632 AND WHEN ATTACHED EXTERIOR WALL COVERING IS ALSO COMPOSED OF ONLY NON-COMBUSTIBLE OR IGNITION RESISTANT MATERIALS. A. EXCEPTION. VALL MATERIAL SHALL BE PERMITTED TO BE OF ANY MATERIAL THAT THERWISE COMPLIES WITH THIS CHAPTER WHEN THE DECKING SURFACE MATERIAL NITH THE PERFORMANCE REQUIREMENTS OF ASTM E84 WITH A CLASS B FLAME

1 GENERAL. ACCESSORY BUILDINGS AND MISCELLANEOUS STRUCTURES DEFINED IN THIS SECTION THE POTENTIAL TO POSE A SIGNIFICANT EXTERIOR FIRE EXPOSURE HAZARD TO APPLICABLE GS WIRING WILDFIRES SHALL BE CONSTRUCTED TO CONFORM TO THE REQUIREMENTS OF THIS

.10.2 APPLICABILITY. UNLESS OTHERWISE ADDRESSED BY THE EXCEPTIONS OF SECTION R337.1.3, THE PROVISIONS OF THIS SECTION SHALL APPLY TO BUILDINGS ACCESSORY TO AN APPLICABLE BUILDING ON THE SAME LOT. THIS SECTION SHALL ALSO APPLY TO ATTACHED AND DETACHED MISCELLANEOUS STRUCTURES THAT REQUIRE A BUILDING PERMIT, INCLUDING BUT NOT LIMITED TO; TRELLISES, ARBORS, PATIO COVERS, GAZEBOS AND SIMILAR STRUCTURES,

1. DECKS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION R337.9.

3. EXTERIOR WALL ARCHITECTURAL TRIM, EMBELLISHMENTS, AND FASCIAS.

4. ROOF OR WALL TOP CORNICE PROJECTIONS AND SIMILAR ASSEMBLIES.

2. AWNINGS AND CANOPIES SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 3105 OF THE

R337.10.3 WHERE REQUIRED . NO REQUIREMENTS SHALL APPLY TO ACCESSORY BUILDINGS OR MISCELLANEOUS STRUCTURES WHEN LOCATED AT LEAST 50 FEET FROM AN APPLICABLE BUILDING. APPLICABLE ACCESSORY BUILDINGS AND ATTACHED MISCELLANEOUS STRUCTURES, OR DETACHED MISCELLANEOUS THAT ARE INSTALLED AT A DISTANCE OF LESS THAN 3 FEET FROM AN APPLICABLE BUILDING, SHALL COMPLY WITH THIS SECTION. WHEN REQUIRED BY THE ENFORCING AGENCY, DETACHED MISCELLANEOUS STRUCTURES THAT ARE INSTALLED AT A DISTANCE OF MORE THAN 3 FEET BUT LESS THAN 50

FEET FROM AN APPLICABLE BUILDING SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION.

<u>R337.10.3.1 ACCESSORY BUILDING REQUIREMENTS</u>. APPLICABLE ACCESSORY BUILDINGS THAT ARE LESS THAN 120 SQUARE FEET IN FLOOR AREA AND ARE LOCATED MORE THAN 50 FEET FROM AN APPLICABLE BUILDING SHALL BE CONSTRUCTED OF NONCOMBUSTIBLE MATERIALS OR OF IGNITION RESISTANT MATERIALS AS DESCRIBED IN SECTION R337.4.2.

R337.10.3.2 ATTACHED MISCELLANEOUS STRUCTURE REQUIREMENTS. APPLICABLE MISCELLANEOUS STRUCTURES THAT ARE ATTACHED TO, OR INSTALLED AT A DISTANCE OF LESS THAN 3 FEET FROM, AN APPLICABLE BUILDING SHALL BE CONSTRUCTED OF NONCOMBUSTIBLE MATERIALS OR OF IGNITION RESISTANT MATERIALS AS DESCRIBED IN SECTION R337.4.2.

R337.10.3.3 DETACHED MISCELLANEOUS STRUCTURE REQUIREMENTS . WHEN REQUIRED BY THE ENFORCING AGENCY, APPLICABLE DETACHED MISCELLANEOUS STRUCTURES THAT ARE INSTALLED AT A DISTANCE OF MORE THAN 3 FEET BUT LESS THAN 50 FEET FROM AN APPLICABLE BUILDING SHALL BE CONSTRUCTED OF NONCOMBUSTIBLE MATERIALS OR OF IGNITION RESISTANT MATERIALS AS DESCRIBED IN SECTION R337.4.3.



PROJECT

SHASTA COUNTY PRE-APPROVED

ADU 1 - PACIFIC CREST COTTAGE

DEVICIONE

DATE	$\backslash x \backslash$	DESCRIPTION	

LICENSE STAMP HAYLEY ANDERS≝N

CONSULTANT

AGENCY APPROVAL

ANY WAY WITH RESPECT THERETO.

COPYRIGHT © 2023 CLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS O ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY

PROJ ARCH: SET ISSUE DATE:

CODE ANALYSIS - CRC & WUI

8/7/2023

DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW

CEC REQUIREMENTS

- CEC 200.3 PREMISES WIRING SHALL NOT BE ELECTRICALLY CONNECTED TO A SUPPLY SYSTEM UNLESS THE LATTER CONTAINS, FOR ANY GROUNDED CONDUCTOR OF THE INTERIOR SYSTEM, A CORRESPONDING CONDUCTOR THAT IS GROUNDED.
- CEC 210.8 ALL 125-VOLT, SINGLE-PHASE, 15 AND 20 AMPERE RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED BELOW SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL.
- - BATHROOMS OUTDOORS
 - KITCHENS WITHIN 6' - 0" OF SINKS

PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

THAT DWELLING UNIT.

- CEC 210.11 LOAD SHALL BE EVENLY PROPORTIONED AMONG MULTI-OUTLET BRANCH-CIRCUITS WITHIN THE PANELBOARD(S). BRANCH-CIRCUIT OVERCURRENT DEVICES AND CIRCUITS SHALL BE REQUIRED TO BE INSTALLED ONLY TO SERVE THE CONNECTED LOAD
- CEC 210.11 TWO OR MORE 20-AMPERE SMALL APPLIANCE BRANCH CIRCUITS SHALL BE PROVIDED FOR ALL RECEPTACLE OUTLETS SPECIFIED BY 210.52(B).
- CEC 210.11 AT LEAST ONE ADDITIONAL 20-AMPERE BRANCH-CIRCUIT SHALL BE PROVIDED TO SUPPLY THE LAUNDRY RECEPTACLE OUTLET(S) REQUIRED BY 210.52(F). THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS.
- CEC 210.11 AT LEAST ONE 20-AMPERE BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY BATHROOM RECEPTACLE OUTLET(S). SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
- CEC 210.11 ALL 120-VOLT, SINGLE PHASE, 15 AND 20 AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO
- CEC 210.12 IF RMC, IMC, EMT, TYPE MC, OR STEEL ARMORED TYPE AC CABLES MEETING THE REQUIREMENTS OF 250.118 AND METAL OUTLET AND JUNCTION BOXES ARE INSTALLED FOR THE PURPOSE OF THE BRANCH-CIRCUIT BETWEEN THE BRANCH-CIRCUIT OVERCURRENT DEVICE AND THE FIRST OUTLET, IT SHALL BE PERMITTED TO INSTALL AN OUTLET BRANCH-CIRCUIT TYPE AFCI AT THE OUTLET TO PROVIDE PROTECTION FOR THE REMAINING PORTION OF THE BRANCH CIRCUIT.
- CEC 210.19 THE MINIMUM BRANCH-CIRCUIT CONDUCTOR SIZE, BEFORE THE APPLICATION OF ANY ADJUSTMENT OR CORRECTION FACTORS, SHALL HAVE AN ALLOWABLE AMPACITY NOT LESS THAN THE NONCONTINUOUS LOAD PLUS 125 PERCENT OF THE CONTINUOUS LOAD UNLESS THE ASSEMBLY, INCLUDING OVERCURRENT DEVICES ARE LISTED FOR OPERATION AT 100% OF ITS RATING.
- CEC 210.20 CONDUCTORS OF BRANCH CIRCUITS SUPPLYING MORE ONE RECEPTACLE FOR CORD-AND-PLUG-CONNECTED PORTABLE LOADS SHALL HAVE AN AMPACITY OF NOT LESS THAN THE RATING OF THE BRANCH CIRCUIT.
- CEC 210.19 BRANCHCIRCUIT CONDUCTORS SUPPLYING HOUSEHOLD RANGES, WALLMOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, AND OTHER HOUSEHOLD COOKING APPLIANCES SHALL HAVE AN AMPACITY NOT LESS THAN THE RATING OF THE BRANCH CIRCUIT AND NOT LESS THAN THE MAXIMUM LOAD TO BE SERVED. FOR RANGES OF 8% KW OR MORE RATING, THE MINIMUM BRANCH-CIRCUIT RATING SHALL BE 40 AMPERES.
- CEC 210.20 CONDUCTORS SHALL BE PROTECTED IN ACCORDANCE WITH 240.4. FLEXIBLE CORDS AND FIXTURE WIRES SHALL BE PROTECTED IN ACCORDANCE WITH 240.5.
- **CEC 210.20** WHERE CONNECTED TO A BRANCH CIRCUIT SUPPLYING TWO OR MORE RECEPTACLES OR OUTLETS, A RECEPTACLE SHALL NOT SUPPLY A TOTAL CORD-AND-PLUG-CONNECTED LOAD IN EXCESS OF THE MAXIMUM SPECIFIED IN TABLE 210.21(B)(2).
 - CIRCUIT RATING 15 OR 20 AMPS & RECEPTACLE RATING 15 AMPS = MAX LOAD OF 12 AMPS CIRCUIT RATING 20 AMPS & RECEPTACLE RATING 20 AMPS = MAX LOAD OF 16 AMPS

FROM EQUIPMENT THAT SUPPLIES AN INDIVIDUAL DWELLING UNIT OR TENANT SPACE.

- CIRCUIT RATING 30 AMPS & RECEPTACLE RATING 30 AMPS = MAX LOAD OF 24 AMPS CEC 210.25 BRANCH CIRCUITS IN EACH DWELLING UNIT SHALL SUPPLY ONLY LOADS WITHIN THAT DWELLING UNIT OR LOADS ASSOCIATED ONLY WITH
- CEC 210.25 BRANCH CIRCUITS INSTALLED FOR THE PURPOSE OF LIGHTING, CENTRAL ALARM, SIGNAL, COMMUNICATIONS, OR OTHER FOR PUBLIC OR COMMON AREAS OF A TWO-FAMILY DWELLING, A MULTIFAMILY DWELLING, OR A MULTI-OCCUPANCY BUILDING SHALL NOT BE SUPPLIED
- CEC T210.24 15A CIRCUITS = 14AWG, 20A CIRCUITS = 12AWG, 30A CIRCUITS = 10AWG, 40A CIRCUITS = 8AWG, 50A CIRCUITS = 6 AWG.
- CEC 210.52 RECEPTACLES SHALL BE INSTALLED SUCH THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE OF ANY WALL SPACE IS MORE THAN 1.8 M (6 FT) FROM A RECEPTACLE OUTLET.
- CEC 210.52 IN THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREA OF A DWELLING UNIT, THE TWO OR MORE 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUITS REQUIRED BY 210.11 (C)(1) SHALL SERVE ALL WALL AND FLOOR RECEPTACLE OUTLETS COVERED BY 210.52(A), ALL COUNTERTOP OUTLETS COVERED BY 210.52(C), AND RECEPTACLE OUTLETS FOR REFRIGERATION EQUIPMENT. THE TWO OR MORE SMALL-APPLIANCE BRANCH CIRCUITS SPECIFIED IN 210.52(B)(1) SHALL HAVE NO OTHER OUTLETS.
- CEC 210.52 A RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH WALL COUNTERTOP SPACE THAT IS 300 MM (12 IN.) OR WIDER. RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 600 MM (24 IN.) MEASURED HORIZONTALLY FROM A RECEPTACLE OUTLET IN THAT SPACE. RECEPTACLE OUTLETS SHALL NOT BE REQUIRED ON A WALL DIRECTLY BEHIND A RANGE, COUNTER-MOUNTED COOKING UNIT, OR SINK.
- CEC 210.52 RECEPTACLE OUTLETS SHALL BE LOCATED ON OR ABOVE, BUT NOT MORE THAN 500MM (20 IN.) ABOVE, THE COUNTERTOP.
- CEC 210.52 IN DWELLING UNITS, AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED IN BATHROOMS WITHIN 900 MM (3 FT) OF THE OUTSIDE EDGE OF EACH BASIN. THE RECEPTACLE OUTLET SHALL BE LOCATED ON A WALL OR PARTITION THAT IS ADJACENT TO THE BASIN OR BASIN COUNTERTOP, LOCATED ON THE COUNTERTOP. OR INSTALLED ON THE SIDE OR FACE OF THE BASIN CABINET NOT MORE THAN 300 MM (12 IN.) BELOW THE COUNTERTOP.
- CEC 210.52 IN DWELLING UNITS, AT LEAST ONE RECEPTACLE OUTLET SHALL BE INSTALLED FOR THE LAUNDRY.
- CEC 210.52 IN DWELLING UNITS, HALLWAYS OF 3.0 M (10 FT) OR MORE IN LENGTH SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET. FOYERS THAT ARE NOT PART OF A HALLWAY IN ACCORDANCE WITH 210.52(H) AND THAT HAVE AN AREA THAT IS GREATER THAN 5.6 (60 FT2) SHALL HAVE A RECEPTACLE(S) LOCATED IN EACH WALL SPACE 900 MM (3 FT) OR MORE IN WIDTH AND UNBROKEN BY DOORWAYS, FLOOR-TO-CEILING WINDOWS, AND SIMILAR OPENINGS.
- **CEC 210.70** AT LEAST ONE WALL SWITCH CONTROLLED LIGHTING OUTLET SHALL BE INSTALLED IN EVERY HABITABLE ROOM AND BATHROOM.
- CEC 240.24 OVERCURRENT DEVICES SHALL BE READILY ACCESSIBLE AND SHALL BE INSTALLED SO THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IN ITS HIGHEST POSITION, IS NOT MORE THAN 2.0 M (6 FT 7 IN.) ABOVE THE FLOOR. EACH OCCUPANT SHALL HAVE READY ACCESS TO ALL OVERCURRENT DEVICES PROTECTING THE CONDUCTORS SUPPLYING THAT OCCUPANCY, UNLESS OTHERWISE PERMITTED IN 240.24(B)(1) AND (B)(2).
- CEC 404.2 WHERE SWITCHES CONTROL LIGHTING LOADS SUPPLIED BY A GROUNDED GENERAL PURPOSE BRANCH CIRCUIT, THE GROUNDED CIRCUIT CONDUCTOR FOR THE CONTROLLED LIGHTING CIRCUIT SHALL BE PROVIDED AT THE SWITCH LOCATION.

CPC REQUIREMENTS CONT.

- CPC 313.3 SUSPENDED PIPING SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED THOSE SHOWN IN TABLE 313.3
- CPC 313.6 HANGER ROD SIZES SHALL BE NOT SMALLER THAN THOSE SHOWN IN TABLE 313.6
- CPC 402.2 WHERE A FIXTURE COMES IN CONTACT WITH THE WALL OR FLOOR, THE JOINT BETWEEN THE FIXTURE AND THE WALL OR FLOOR SHALL BE MADE WATERTIGHT.
- CPC 402.5 NO WATER CLOSET OR BIDET SHALL BE SET CLOSER THAN 15 INCHES (381 MM) FROM ITS CENTER TO A SIDE WALL OR OBSTRUCTION NOR CLOSER THAN 30 INCHES (762 MM) CENTER TO CENTER TO A SIMILAR FIXTURE. THE CLEAR SPACE IN FRONT OF A WATER CLOSET, LAVATORY, OR BIDET SHALL BE NOT LESS THAN I 24 INCHES (610 MM). NO URINAL SHALL BE SET CLOSER THAN 12 INCHES (305 MM) FROM ITS CENTER TO A SIDE WALL OR PARTITION NOR CLOSER THAN 24 INCHES (610 MM) CENTER TO CENTER.
- CPC 407.2.1.1 THE MAXIMUM FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1.8 GALLONS (6.81 L) PER MINUTE AT 60 PSI
- CPC 407.2.1.2 THE MAXIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS (4.54 L) PER MINUTE AT 60 PSI. THE MINIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT BE LESS THAN 0.8 GALLONS (3.03 L) PER MINUTE AT 20 PSI.
- CPC 407.2.1.3 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 (1.89 L) PER MINUTE AT 60 PSI.
- CPC 407.3 LAVATORIES SHALL HAVE A WASTE OUTLET AND FIXTURE TAILPIECE NOT LESS THAN 1 1/4 INCHES (32 MM) IN DIAMETER.
- SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF 2.0 GALLONS (7.57 L) PER MINUTE MEASURED AT 80 PSI AND MUST COMPLY WITH DIVISION 4.3 OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN).
- CPC 408.4 SHOWERS SHALL HAVE A WASTE OUTLET AND FIXTURE TAILPIECE NOT LESS THAN 2 INCHES (50 MM) IN DIAMETER.
- BATHTUBS AND WHIRLPOOL BATHTUBS SHALL HAVE A WASTE OUTLET AND FIXTURE TAILPIECE NOT LESS THAN 1 1/2 INCHES (40 MM) IN
- THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS (4.8 L) PER FLUSH WHEN TESTED IN ACCORDANCE WITH ASME A112.19.2/CSA B45.1
- CPC 411.3 WATER CLOSET SEATS SHALL BE PROPERLY SIZED FOR THE WATER CLOSET BOWL TYPE, AND SHALL BE OF SMOOTH, NON-ABSORBENT MATERIAL. SEATS, FOR PUBLIC USE, SHALL BE OF THE ELONGATED TYPE AND EITHER OF THE OPEN FRONT TYPE OR HAVE AN AUTOMATIC SEAT COVER DISPENSER. PLASTIC SEATS SHALL COMPLY WITH IAPMO ZI24.5.
- THE WATER SUPPLY CONNECTION TO A COMMERCIAL DISH WASHING MACHINE SHALL BE PROTECTED BY AN AIR GAP OR A BACK FLOW PREVENTION DEVICE IN ACCORDANCE WITH SECTION 603.3.2, SECTION 603.3.5, SECTION 603.3.6. OR ASSE 1004.
- CPC 414.3 DOMESTIC DISHWASHING MACHINES SHALL DISCHARGE INDIRECTLY THROUGH AN AIR GAP FITTING IN ACCORDANCE WITH SECTION 807.3 INTO A WASTE RECEPTOR, A WYE BRANCH FITTING ON THE TAILPIECE OF A KITCHEN SINK, OR DISHWASHER CONNECTION OF A FOOD WASTE DISPOSER. COMMERCIAL DISHWASHING MACHINES SHALL DISCHARGE INDIRECTLY THROUGH AN AIR GAP OR DIRECT CONNECTION IN ACCORDANCE WITH SECTION 704.3 WITH FLOOR DRAIN PROTECTION.
- **CPC 418.3** FLOOR DRAINS SHALL BE INSTALLED IN THE FOLLOWING AREAS:
 - TOILET ROOMS CONTAINING TWO OR MORE WATER CLOSETS OR A COMBINATION OF ONE WATER CLOSET AND ONE URINAL, EXCEPT
 - IN A DWELLING UNIT. COMMERCIAL KITCHENS AND IN ACCORDANCE WITH SECTION 704.3.
 - LAUNDRY ROOMS IN COMMERCIAL BUILDINGS AND COMMON LAUNDRY FACILITIES IN MULTI-FAMILY DWELLING BUILDINGS.
 - BOILER ROOMS.
- CPC 420.2 SINK FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 2.2 GPM AT 60 PSI.
- CPC 420.2.1 KITCHEN FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS (6.8 L) PER MINUTE AT 60 PSI.
- KITCHEN AND LAUNDRY SINKS SHALL HAVE A WASTE OUTLET AND FIXTURE TAILPIECE NOT LESS THAN 1 1/2 INCHES (40 MM) IN DIAMETER. SERVICE SINKS SHALL HAVE A WASTE OUTLET AND FIXTURE TAILPIECE NOT LESS THAN 2 INCHES (50 MM) IN DIAMETER. FIXTURE TAILPIECES SHALL BE CONSTRUCTED FROM THE MATERIALS SPECIFIED IN SECTION 701.2 FOR DRAINAGE PIPING. WASTE OUTLETS SHALL BE PROVIDED WITH AN APPROVED STRAINER.
- CPC 501.1 THE MINIMUM CAPACITY FOR STORAGE WATER HEATERS SHALL BE IN ACCORDANCE WITH THE FIRST HOUR RATING LISTED IN TABLE 501.1
- CPC 507.2 WATER HEATERS SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION. STRAPPING SHALL BE AT POINTS WITHIN THE UPPER ONE-THIRD (1/3) AND LOWER ONE-THIRD (1/3) OF ITS VERTICAL DIMENSIONS. AT THE LOWER POINT, A MINIMUM DISTANCE OF FOUR (4) INCHES (102 MM) SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.
- CPC 507.4 A WATER HEATER SUPPORTED FROM THE GROUND SHALL REST ON LEVEL CONCRETE OR OTHER APPROVED BASE EXTENDING NOT LESS THAN 3 INCHES (76 MM) ABOVE THE ADJOINING GROUND LEVEL.
- CPC 507.5 WHERE A WATER HEATER IS LOCATED IN AN ATTIC, IN OR ON AN ATTIC-CEILING ASSEMBLY, FLOOR-CEILING ASSEMBLY, OR FLOOR-SUBFLOOR ASSEMBLY WHERE DAMAGE RESULTS FROM A LEAKING WATER HEATER, A WATERTIGHT PAN OF CORROSION-RESISTANT MATERIALS SHALL BE INSTALLED BENEATH THE WATER HEATER WITH NOT LESS THAN 3/4 OF AN INCH (20 MM) DIAMETER DRAIN TO AN APPROVED LOCATION. SUCH PAN SHALL BE NOT LESS THAN 1 1/2 INCHES (38 MM) IN DEPTH.
- CPC 508.4 AN ATTIC OR UNDER-FLOOR SPACE IN WHICH AN APPLIANCE IS INSTALLED SHALL BE ACCESSIBLE THROUGH AN OPENING AND PASSAGEWAY NOT LESS THAN AS LARGE AS THE LARGEST COMPONENT OF THE APPLIANCE. AND NOT LESS THAN 22 INCHES BY 30 INCHES
- CPC 508.4.1 WHERE THE HEIGHT OF THE PASSAGEWAY IS LESS THAN 6 FEET (1829 MM), THE DISTANCE FROM THE PASSAGEWAY ACCESS TO THE APPLIANCE SHALL NOT EXCEED 20 FEET (6096 MM) MEASURED ALONG THE CENTERLINE OF THE PASSAGEWAY. [NFPA 54:9.5.1.1]
- CPC 508.4.2 THE PASSAGEWAY SHALL BE UNOBSTRUCTED AND SHALL HAVE SOLID FLOORING NOT LESS THAN 24 INCHES (610 MM) WIDE FROM THE ENTRANCE OPENING TO THE APPLIANCE. [NFPA 54:9.5.1.2]
- CPC 508.4.3 A LEVEL WORKING PLATFORM NOT LESS THAN 30 INCHES BY 30 INCHES (762 MM BY 762 MM) SHALL BE PROVIDED IN FRONT OF THE SERVICE SIDE OF THE APPLIANCE. [NFPA 54:9.5.2]
- A PERMANENT 120-VOLT RECEPTACLE OUTLET AND A LIGHTING FIXTURE SHALL BE INSTALLED NEAR THE APPLIANCE. THE SWITCH CONTROLLING THE LIGHTING FIXTURE SHALL BE LOCATED AT THE ENTRANCE TO THE PASSAGEWAY. [NFPA 54:9.5.3]
- THE QUANTITY OF WATER REQUIRED TO BE SUPPLIED TO EVERY PLUMBING FIXTURE SHALL BE REPRESENTED BY FIXTURE UNITS, AS SHOWN IN TABLE 610.3. EQUIVALENT FIXTURE VALUES SHOWN IN TABLE 610.3 INCLUDE BOTH HOT AND COLD WATER DEMAND.

UNIT EQUIVALENT OF FIXTURES AND DEVICES NOT SHOWN IN TABLE 702.1 SHALL BE BASED ON THE SIZE OF TRAP OR TRAP ARM.

CPC 703.2 TABLE 703.2 SHOWS THE MAXIMUM NUMBER OF FIXTURE UNITS ALLOWED ON A VERTICAL OR HORIZONTAL DRAINAGE PIPE, BUILDING DRAIN, OR BUILDING SEWER OF A GIVEN SIZE; THE MAXIMUM NUMBER OF FIXTURE UNITS ALLOWED ON A BRANCH INTERVAL OF A GIVEN SIZE; AND THE MAXIMUM LENGTH (IN FEET AND METERS) OF A VERTICAL DRAINAGE PIPE OF A GIVEN SIZE.

CPC 702.1 THE UNIT EQUIVALENT OF PLUMBING FIXTURES SHOWN IN TABLE 702.1 SHALL BE BASED ON THE SIZE OF THE TRAP REQUIRED, AND THE

- CPC 707.4 EACH HORIZONTAL DRAINAGE PIPE SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPPER TERMINAL, AND EACH RUN OF PIPING THAT I MORE THAN 100 FEET (30 480 MM) IN TOTAL DEVELOPED LENGTH, SHALL BE PROVIDED WITH A CLEAN OUT FOR EACH 100 FEET (30 4 MM), OR FRACTION THEREOF, IN LENGTH OF SUCH PIPING. AN ADDITIONAL CLEANOUT SHALL BE PROVIDED IN A DRAINAGE LINE ${f F}$ EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES (2.36 RAD). A CLEANOUT SHALL BE INSTALLED ABO THE FIXTURE CONNECTION FITTING, SERVING EACH URINAL, REGARDLESS OF THE LOCATION OF THE URINAL IN THE BUILDING
- CPC 708.1 HORIZONTAL DRAINAGE PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AND A UNIFORM SLOPE OF NOT LESS THAN 1/4 INCH PER (20.8 MM/M) OR 2 PERCENT TOWARD THE POINT OF DISPOSAL PROVIDED THAT, WHERE IT IS IMPRACTICAL DUE TO THE DEPTH OF THE STREET SEWER, TO THE STRUCTURAL FEATURES, OR TO THE ARRANGEMENT OF A BUILDING OR STRUCTURE TO OBTAIN A SLOPE OF 1/4 INCH PER FOOT (20.8 MM/M) OR 2 PERCENT, SUCH PIPE OR PIPING 4 INCHES (100 MM) OR LARGER IN DIAMETER SHALL BE PERMITTED TO HAVE A SLOPE OF NOT LESS THAN 1/8 INCH PER FOOT (10.4 MM/M) OR 1 PERCENT, WHERE FIRST APPROVED BY THE AUTHORITY HAVING JURISDICTION.

CPC REQUIREMENTS CONT.

- EACH PLUMBING FIXTURE TRAP, EXCEPT AS OTHERWISE PROVIDED IN THIS CODE, SHALL BE PROTECTED AGAINST SIPHONAGE AND BACKPRESSURE, AND AIR CIRCULATION SHALL BE ENSURED THROUGHOUT ALL PARTS OF THE DRAINAGE SYSTEM BY MEANS OF VENT PIPES INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER AND AS OTHERWISE REQUIRED BY THIS CODE.
- EACH VENT PIPE OR STACK SHALL EXTEND THROUGH ITS FLASHING AND SHALL TERMINATE VERTICALLY NOT LESS THAN 6 INCHES (152 MM) ABOVE THE ROOF NOR LESS THAN 1 FOOT (305 MM) FROM A VERTICAL SURFACE.
- EACH VENT SHALL TERMINATE NOT LESS THAN 10 FEET (3048 MM) FROM, OR NOT LESS THAN 3 FEET (914 MM) ABOVE, AN OPENABLE WINDOW, DOOR, OPENING, AIR INTAKE, OR VENT SHAFT, OR NOT LESS THAN 3 FEET (914 MM) IN EVERY DIRECTION FROM A LOT LINE, ALLEY AND STREET EXCEPTED.
- EACH PLUMBING FIXTURE, SHALL BE SEPARATELY TRAPPED BY AN APPROVED TYPE OF LIQUID SEAL TRAP.

CMC REQUIREMENTS

- EQUIPMENT REGULATED BY THIS CODE REQUIRING ELECTRICAL CONNECTIONS OF MORE THAN 50 VOLTS SHALL HAVE A POSITIVE MEANS OF DISCONNECT ADJACENT TO AND IN SIGHT FROM THE EQUIPMENT SERVED. A 120 VOLT RECEPTACLE SHALL BE LOCATED WITHIN 25 FEET (7620 MM) OF THE EQUIPMENT FOR SERVICE AND MAINTENANCE PURPOSES.
- CMC 310.3 CONDENSATE WASTE PIPES FROM AIR-COOLING COILS SHALL BE SIZED IN ACCORDANCE WITH THE EQUIPMENT CAPACITY AS SPECIFIED IN TABLE 310.3.
- CMC 311.3 OUTSIDE OR RETURN AIR FOR A HEATING OR COOLING AIR SYSTEM SHALL NOT BE TAKEN FROM THE FOLLOWING LOCATIONS: LESS THAN 10 FEET (3048 MM) IN DISTANCE FROM AN APPLIANCE VENT OUTLET. A VENT OPENING OF A PLUMBING DRAINAGE.
 - LESS THAN 10 FEET (3048 MM) ABOVE THE SURFACE OF AN ABUTTING PUBLIC WAY, SIDEWALK, STREET, ALLEY, OR DRIVEWAY.
 - A HAZARDOUS OR INSANITARY LOCATION, OR A REFRIGERATION MACHINERY ROOM AS DEFINED IN THIS CODE. • AN AREA, THE VOLUME OF WHICH IS LESS THAN 25 PERCENT OF THE ENTIRE VOLUME SERVED BY SUCH SYSTEM, UNLESS THERE IS
 - A PERMANENT OPENING TO AN AREA THE VOLUME OF WHICH IS EQUAL TO 25 PCRCENT OF THE ENTIRE VOLUME SERVED. 1. EXCEPTION: SUCH OPENINGS WHERE USED FOR A HEATING OR COOLING AIR SYSTEM IN A DWELLING UNIT SHALL BE PERMITTED TO BE REDUCED TO NOT LESS THAN 50 PERCENT OF THE REQUIRED AREA. PROVIDED THE BALANCE OF THE REQUIRED RETURN AIR IS TAKEN FROM A ROOM OR HALL HAVING NOT LESS THAN THREE DOORS LEADING TO OTHER ROOMS SERVED BY THE FURNACE.

SYSTEM, OR THE DISCHARGE OUTLET OF AN EXHAUST FAN, UNLESS THE OUTLET IS 3 FEET (914 MM) ABOVE THE OUTSIDE-AIR

- A CLOSET, BATHROOM, TOILET ROOM, OR KITCHEN.
- ROOMS OR SPACES CONTAINING A FUEL-BURNING APPLIANCE THEREIN. WHERE SUCH ROOM OR SPACE SERVES AS SOURCE OF RETURN-AIR.
- 1. EXCEPTIONS: THIS SHALL NOT APPLY TO FIREPLACES, FIREPLACE APPLIANCES, RESIDENTIAL COOKING APPLIANCES, DIRECT-
- VENT APPLIANCES, ENCLOSED FURNACES, AND DOMESTIC-TYPE CLOTHES DRYERS INSTALLED WITHIN THE ROOM OR SPACE.
- 2. THIS SHALL NOT APPLY TO A GRAVITY-TYPE OR LISTED VENTED WALL HEATING OR COOLING AIR SYSTEM. 3. THIS SHALL NOT APPLY TO A BLOWER-TYPE HEATING OR COOLING AIR SYSTEM INSTALLED IN ACCORDANCE WITH THE
- FOLLOWING REQUIREMENTS:
- A. WHERE THE RETURN AIR IS TAKEN FROM A ROOM OR SPACE HAVING A VOLUME EXCEEDING 1 CUBIC FOOT (0.03 M 3) FOR
- EACH 10 BTU/H (0.003 KW) FUEL INPUT RATING OF FUEL-BURNING APPLIANCES THEREIN.
- B. NOT LESS THAN 75 PERCENT OF THE SUPPLY AIR IS DISCHARGED BACK INTO THE SAME ROOM OR SPACE. C. RETURN-AIR INLETS SHALL NOT BE LOCATED WITHIN 10 FEET (3048 MM) FROM AN APPLIANCE FIREBOX OR DRAFT
- CMC 311.4 RETURN AIR FROM ONE DWELLING UNIT SHALL NOT DISCHARGE INTO ANOTHER DWELLING UNIT THROUGH THE HEATING OR COOLING
- HEATING, VENTILATING, AND AIR-CONDITIONING SYSTEMS (INCLUDING HYDRONIC SYSTEMS) SHALL BE BAL
 - ONE OF THE FOLLOWING METHODS: AABC NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE

DIVERTER IN THE SAME ENCLOSED ROOM OR CONFINED SPACE.

- ACCA MANUAL B
- ASHRAE III

DISCHARGE ONTO A PUBLIC W

- NEBB PROCEDURAL STANDARDS FOR TESTING ADJUSTING BALANCING OF ENVIRONMENTAL SMACNA HVAC SYSTEMS TESTING, ADJUSTING. AND BALANCING

ARE FOUND IN THE CALIFORNIA ENERGY CODE.

- CMC 316.10 MECHANICAL SYSTEM SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO RESTRICT ODENTS OR VERMIN FROM ENTERING A BUILDING BY FOLLOWING THE DUCTWORK FROM THE OUTSIDE INTO THE BUILDING.
- REQUIRED OUTDOOR-AIR INTAKES SHALL BE COVERED WITH A SCREEN HAVING N HAN 1/4 OF AN INCH (6.4 MM) OPENINGS, AND SHALL HAVE NOT MORE THAN 1/2 OF AN INCH (12.7 MM) OPENINGS.
- CMC 402.1 OCCUPIABLE SPACES LISTED IN TABLE 402.1 SHALL BE DESIGNED THAN VENTAGON (OUTDOOR) AIR FOR OCCUPANTS IN ACCORDANCE WITH THIS CHAPTER. VENTILATION AIR SUPPLY REQUIREMENTS ANCIES REGULATED BY THE CALIFORNIA ENERGY COMMISSION
- CMC 402.5 EACH BATH ROOM SHALL BE MECHANICALLY VENTILATED IN CORDANCE WITH DIVISION 4.5 OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN).
- EXHAUST AIRFLOW SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS IN TABLE 403.7. EXHAUST MAKEUP AIR SHALL BE PERMITTED TO BE A COMBINATION OF OUTS OOR AIR, RECACULATED AIR, AND TRANSFER AIR.
- CMC 502.2.1 ENVIRONMENTAL AIR DUCT EXHAUST SHALL TERMINATE NOT LESS THAN 3 FEET (914 MM) FROM A PROPERTY LINE, 10 FEET (3048 MM) FROM A FORCED AIR INLET, AND 3-FE 14 MM) FROM OPENINGS INTO THE BUILDING. ENVIRONMENTAL EXHAUST DUCTS SHALL NOT
- CMC 504.3 DUCTS USED FOR DOMES NGE VENTILATION SHALL BE OF METAL AND SHALL HAVE SMOOTH INTERIOR SURFACES.
 - A CLOTHES DRYER IN HAUST DUCT SHALL NOT BE CONNECTED TO A VENT CONNECTOR, GAS VENT, CHIMNEY, AND SHALL NOT TERMINATE INTO A CRAWL SP ATTIC, 🖪 OTHER CONCEALED SPACE. EXHAUST DUCTS SHALL NOT BE ASSEMBLED WITH SCREWS OR OTHER FASTENING MEANS THAT EXT ND INTO THE DUCT AND THAT ARE CAPABLE OF CATCHING LINT, AND THAT REDUCE THE EFFICIENCY OF THE EXHAUST SYSTEM. EXHAUST DUCTS SHALL BE CONSTRUCTED OF RIGID METALLIC MATERIAL. TRANSITION DUCTS USED TO CONNECT THE XHAUST DUCT SHALL BE LISTED FOR THAT APPLICATION OR INSTALLED IN ACCORDANCE WITH THE CLOTHES DRYER TSTALLATION INSTRUCTIONS. CLOTHES DRYER EXHAUST DUCTS SHALL TERMINATE TO THE OUTSIDE OF THE BUILDING NCE WITH SECTION 502.2.1 AND SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER. SCREENS SHALL NOT BE INSTALLED AT THE MATION. DEVICES, SUCH AS FIRE OR SMOKE DAMPERS, THAT WILL OBSTRUCT THE FLOW OF THE EXHAUST SHALL NOT BE USED. WHERE JOINING OF DUCTS, THE MALE END SHALL BE INSERTED IN THE DIRECTION OF AIRFLOW.
- OTHES DRYER EXHAUST DUCTS SHALL BE OF RIGID METAL AND SHALL HAVE SMOOTH INTERIOR SURFACES. THE DIAMETER SHALL BE NOT LESS THAN 4 INCHES NOMINAL (100 MM) AND THE THICKNESS SHALL BE NOT LESS THAN 0.016 OF AN INCH (0.406 MM).
- UNLESS OTHERWISE PERMITTED OR REQUIRED BY THE DRYER MANUFACTURER'S INSTRUCTIONS AND APPROVED BY THE AUTHORITY HAVING JURISDICTION, DOMESTIC DRYER MOISTURE EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14 FEET (4267 MM), INCLUDING TWO 90 DEGREE (1.57 RAD) ELBOWS. A LENGTH OF 2 FEET (610 MM) SHALL BE DEDUCTED FOR EACH 90 DEGREE (1.57 RAD) ELBOW IN EXCESS OF TWO.
- CMC 504.4.2.2 LISTED CLOTHES DRYER TRANSITION DUCTS NOT MORE THAN 6 FEET (1829 MM) IN LENGTH SHALL BE PERMITTED TO BE USED TO CONNECT THE TYPE 1 DRYER TO THE EXHAUST DUCTS. TRANSITION DUCTS AND FLEXIBLE CLOTHES DRYER TRANSITION DUCTS SHALL NOT BE CONCEALED WITHIN CONSTRUCTION, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- CMC 506.2 EXHAUST DUCTS CONSTRUCTED OF STEEL SHALL COMPLY WITH TABLE 506.2(1) OR TABLE 506.2(2).
- CMC 506.5 SUPPORTS SHALL BE OF NONCOMBUSTIBLE MATERIALS AND THE SPACING SHALL NOT EXCEED 12 FEET (3658 MM) FOR 8 INCH (203 MM) DUCTS AND 20 FEET (6096 MM) FOR LARGER DUCTS.
- **CMC 1105.112** REFRIGERANT SERVICE PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER RESISTANT CAPS



PROJECT

SHASTA COUNTY PRE-APPROVED

ADU 1 - PACIFIC CREST COTTAGE

DATE	$\langle x \rangle$	DESCRIPTION	
			_

LICENSE STAMP



CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING

DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH: SET ISSUE DATE:

CODE ANALYSIS - CEC, CPC & CMC

8/7/2023

CGBC REQUIREMENTS

STORM WATER MANAGEMENT: CGBSC SEC. 4.106.2

UTILIZE 'BMP' - PROJECTS THAT DISTURB LESS THAN ONE ACRE OF SOIL SHALL MANAGER STORM WATER IN ONE OF THE FOLLOWING MEASURES TO PREVENT FLOODING OF ADJACENT PROPERTY, PREVENT EROSION AND RETAIN SOIL RUN-OFF ON THE SITE:

- 1. RETENTION BASINS OF SUFFICIENT SIZE SHALL BE UTILIZED TO RETAIN STORM WATER ON 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 PLAN.

ELECTRIC VEHICAL (EV) CHARGING NEW ONE AND TWO FAMILY DWELLINGS AND TOWNHOUSES WITH ATTACHED PRIVATE GARAGES CGBSC 4.106.4.1
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 MINIMUM DEDICATED BRANCH CIRCUIT AND SPACE(S) RESERVED TO PERMIT INSTALLATION OF BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE.

IDENTIFICATION CGBSC 4.106.1.

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 VISABLY MARKED AS 'EV CAPABLE'.

INDOOR WATER CONSERVING PLUMBING FIXTURES AND FITTINGS CGBSC 4.303.1

- 1. WATER CLOSETS THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH 4.303.1.1
- 2. URINALS THE EFFECTIVE FLUSH VOLUME OF WALL MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH 4.303.1.2
 3. SINGLE SHOWER HEAD SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI. 4.303.1.3
- 4. THE COMBINED FLOW RATE OF MULTIPLE SHOWER HEADS IN ONE SHOWER SHALL NOT EXCEED 1.8 GPM @ 80 PSI OR THE SHOWER SHALL BE
- DESIGNED TO ALLOW OPERATION OF ONLY ONE SHOWER HEAD AT A TIME 4.303.1.3.2

 5. FAUCETS THE MAX. FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS PER MINUTE AT 60 PSI. THE MINIMUM FLOW
- RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT BE LESS THAN 0.8 GALLONS PER MINUTE AT 20 PSI.

 6. KITCHEN FAUCETS THE MAX. FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 60 PSI.

OUTDOOR WATER USE CGBSC 4.304

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.

ENHANCED DURIBILITY AND REDUCED MAINTANCE - RODENT PROOFING CGBSC 4.406.1

ANNULAR SPACES AROUND PIPES, ELECT. CABLES, CONDUITS OR OTHER OPENINGS IN PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONC. MASONRY OR SIM. METHOD ACCEPTABLE TO THE ENFORCING AGENCY.

CONSTRUCTION WASTE MANAGEMENT CGBSC 4.408.1

RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NONHAZARDOUS 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.

CONSTRUCTION WASTE MANAGEMENT PLAN CGBSC 4.408.2

SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN IN CONFORMANCE WITH ITEMS 1 THRU 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 BULK MIXED (SINGLE STREAM).
- 3. IDENTIFY DIVERSION FACILITIES WHERE THE CONSTRUCTION AND DEMOLITION WASTE MATERIAL WILL BE TAKEN.
- 4. IDENTIFY CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE GENERATED.
- 5. SPECIFY THAT THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH.

WASTE MANAGEMENT COMPANY CGBSC 4.408.3

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

BUILDING MAINTENANCE AND OPERATION - OPERATION AND MAINTENANCE MANUAL CGBSC 4.410.1

AT THE TIME OF FINAL INSPECTION, A MANUAL, COMPACT DISK, 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 WILL 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 CHARGINGS, WATER HEATING SYSTEMS AND OTHER MAJOR APPLIANCES AND EQUIPMENT.
 b. ROOF AND YARD DRAINAGE, INCLUDING GUTTERS AND DOWNSPOUTS.
- b. ROOF AND YARD DRAINAGE, INCLUDING GUTTERS AND DOWNSPOUTS.c. SPACE CONDITIONING SYSTEMS, INCLUDING CONDENSERS AND AIR FILTERS.
- d. LANDSCAPE IRRIGATION SYSTEMS, IN
- e. WATER REUSE 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 HUMDITY RETWEEN 30-60 PERCENT AND WHAT METHODS AN
- 5. EDUCATIONAL MATERIAL ON THE POSITIVE IMPACTS OF AN INTERIOR RELATIVE HUMDITY 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 WATER.
 7. INSTRUCTIONS FOR MAINTAINING GUTTERS AND DOWNSPOUTS AND THE IMPORTANCE OF DIVERTING WATER AT LEAST 5 FEET AWAY FROM THE
- 8. INFORMATION ON REQUIRED MAINTAINANCE MEASURES, INCLUDING BUT NOT LIMITED TO, CAULKING, PAINTING, GRADING AROUND THE BUILDING, ECT.
- 9. INFORMATION ABOUT SOLAR ENERGY AND INCENTIVE PROGRAMS AVAILABLE.
- 10. A COPY OF ALL SPECIAL INSPECTION VERIFICATIONS REQUIRED BY THE ENFORCING AGENCY OR THIS CODE.

FIREPLACES - GENERAL CGBSC 4.503

ANY INSTALLED GAS FIREPLACE SHALL BE DIRECT VENT SEALED COMBUSTION TYPE. ANY INSTALLED WOOD STOVE SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE PERMANENT LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS. WOODSTOVES, PELLET STOVES AND FIREPLACES SHALL ALSO COMPLY WITH APPLICABLE LOCAL ORDINANCES.

POLLUTANT CONTROL:

COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION CGBSC 4.504.1

AT THE TIME OF ROUGH INSTALLATION, DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATION EQUIPMENT, ALL DUCTS 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 AND DEBRIS, WHICH MAY ENTER THE SYSTEM.

CGBC REQUIREMENTS

FINISH MATERIAL POLLUTANT CONTROL CGBSC 4.504.2

ADHESIVES, SEALANTS AND CAULKS CGBSC 4.404.2.1

ADHESIVES, SEALANTS 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, SEALANTS, SELANT 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 RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS
 (CHLOROFORM, ETHYLENE, DICHLORIDE, METHYLEN, CHLORIDE, PERCHLOROETHYLENE AND TRICHLOROETHYLENE), 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 PACKING, 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, OR CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.

PAINTS AND COATINGS CGBSC 4.504.2.2

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 CATEGORY LISTED IN TABLE 4.504.3 SHALL BE DETERMINED BY CLASSIFYING THE COATING AS FLAT, NONFLAT OR NONFLATHIGH GLOSS COATING, BASED ON ITS GLOSS, AS DEFINED IN SUB-SECTIONS 4.21, 4.36, AND 4.37 OF THE 2007 CALIFORINA AIR RESOURCES BOARD, SUGGESTED CONTROL MEASURES, AND CORRESPONDING FLAT, NONFLAT OR NONFLATHIGH GLOSS VOC LIMIT IN TABLE 4.504.3 SHALL APPLY.

AEROSOL PAINTS AND COATINGS CGBSC 4.504.2.3

AEROSOL PAINTS AND COATIINGS SHALL MEET THE PRODUCT-WEIGHED 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(a)(1) OF THE 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.

VERIFICATION CGBSC 4.504.2.4

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:

- MANUFACTURES PRODUCT SPECIFICATION.
- 2. FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS.

CARPET SYSTEMS CGBSC 4.504.3

ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:

- 1. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM.
- 2. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS, VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350)
- 3. NSF/ANSI 140 AT THE GOLD LEVEL.
- 4. SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGE GOLD.

CARPET CUSHIONS CGBSC 4.504.3.1

ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE'S GREEN LABEL

CARPET ADHESIVE CGBSC 4.504.3.2

ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 4.504.1

RESILENT FLOORING SYSTEMS CGBSC 4.504.4

WHERE RESILIENT FLOORING IS INSTALLED, AT LEAST 80 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING:

- 1. PRODUCTS COMPLIANT WITH THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS, VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350), CERTIFIED AS CHPS LOW EMITTING MATERIAL IN THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) HIGH PERFORMANCE PRODUCTS DATABASE.
- 2. PRODUCTS CERTIFIED UNDER UL GREENGUARD GOLD (FORMERLY THE GREENGUARD CHILDREN AND SCHOOLS PROGRAM).
- 3. CERTIFICATION UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSCORE PROGRAM.
- 4. MEET THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, STANDARD METHOD OF TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS, VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350)

COMPOSITE WOOD PRODUCTS CGBSC 4.504.5

HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXIC CONTROL MEASURE FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ) BY OR BEFORE THE DATES SPECIFIED IN THOSE SECTIONS IN TABLE 4.504.5.

DOCUMENTATION CGBSC 4.504.5.1

VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AS REQUESTED BY THE ENFORCING AGENCY. DOCUMENTATION SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING:

- 1. PRODUCT CERTIFICATIONS AND SPECIFICATIONS.
- 2. CHAIN OF CUSTODY CERTIFICATIONS.
- 3. PRODUCT LABELED AND INVOICED AS MEETING THE COMPOSITE WOOD PRODUCTS REGULATION (SEE CCR TITLE 17, SECTION 93120, ET SEQ.)
- 4. EXTERIOR GRADE PRODUCTS MARKED AS MEETING THE PS-1 OR PS-2 STANDARDS OF THE ENGINEERED WOOD ASSOCIATION, THE AUSTRALIAN AS/NZS 2269, EUROPEAN 636 3S, AND CANADIAN CSA 0121, CSA 0151, CSA 0153 AND CSA 0325 STANDARDS.
- 5. OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY.

TABLE 4.504.5 FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSIT CORE	0.05
PARTICLEBOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD	0.13

CGBC REQUIREMENTS

FINISH MATERIAL

INTERIOR MOISTURE CONTROL CGBSC 4.505

CONCRETE SLAB FOUNDATIONS CGBSC 4.505.2

CAPILLARY BREAK CGBSC 4.505.2.1

A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING:

- 1. A 4 INCH THICK (101.6 MM) BASE OF 1/2" (12.7 MM) OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING, SHALL BE USED. FOR ADDITIONAL INFORMATION, SEE AMERICAN CONCRETE INSTITUTE, ACI 302.2R-06.
- 2. OTHER EQUIVALENT METHODS APPROVED BY THE ENFORCING AGENCY.
- 3. A SLAB DESIGN SPECIFIED BY A LICENSED DESIGN PROFESSIONAL.

MOISTURE CONTENT OF BUILDING MATERIALS CGBSC 4.505.3

BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19 PERCENT MOISTURE CONTENT. MOISTURE CONTENT SHALL BE VERIFIED IN COMPLIANCE WITH THE FOLLOWING:

- 1. MOISTURE CONTENT SHALL BE DETERMINED WITH EITHER A PROBE-TYPE OR CONTENT-TYPE MOISTURE METER. EQUIVALENT MOISTURE VERIFICATION METHODS MAY BE APPROVED BY THE ENFORCING AGENCY AND SHALL SATISFY REQUIREMENTS FOUND IN SECTION 101.8 OF THIS CODE (CGBSC)
- 2. MOISTURE READINGS SHALL BE TAKEN AT A POINT 2 FEET TO 4 FEET FROM GRADE STAMPED END OF EACH PIECE TO BE VERIFIED.
- 3. AT LEAST 3 RANDOM MOISTURE READINGS SHALL BE PERFORMED ON WALL AND FLOOR FRAMING WITH DOCUMENTATION ACCEPTABLE TO THE ENFORCING AGENCY PROVIDED AT THE TIME OF APPROVAL TO ENCLOSE THE WALL AND FLOOR FRAMING.

INSULATION PRODUCTS THAT ARE VISIBLY WET OR HAVE HIGH MOISTURE CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES. WET-APPLIED INSULATION PRODUCTS SHALL FOLLOW THE MANUFACTURES DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE.

INDOOR AIR QUALITY AND EXHAUST CGBSC 4.506

BATHROOM EXHAUST FANS CGBSC 4.506.1

EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING:

- 1. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.
- UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
 a. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF <50 PERCENT TO A MAXIMUM OF 80 PERCENT. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT.
- b. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL (BUILT-IN).

NOTES:

1. FOR THE PURPOSE OF THIS SECTION, A BATHROOM IS A ROOM WHICH CONTAINS BATHTUB, SHOWER, OR TUB / SHOWER COMBINATION.

2. LIGHTING INTEGRAL TO BATHROOM EXHAUST FANS SHALL COMPLY WITH THE CALLEORNIA ENERGY CODE.

2. LIGHTING INTEGRAL TO BATHROOM EXHAUST FANS SHALL COMPLY WITH THE CALIFORNIA ENERGY CODE.

ENVIORMENTAL COMFORT CGBSC 4.507 HEATING AND AIR CONDITION SYSTEM DESIGN CGBSC 4.507.2

HEATING AND AIR CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THIER EQUIPMENT SELECTED USING THE FOLLOWING METHODS:

- 1. 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.
- 2. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA 1 MANUAL D 2014 (RESIDENTIAL DUCT SYSTEMS) ASHRAE_HANDBOLKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- 3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S 2014 (RESIDER TIAL EQUIPMENT SELECTION) OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

EXCEPTION: USE OF ALTERNATE DESIGN TEMPERATURES NECESSARY TO ENSURE THE SYSTEMS FUNCTION ARE ACCEPTED.



PROJECT



SHASTA COUNTY PRE-APPROVED
ADUS

ADU 1 - PACIFIC CREST COTTAGE

	R	EVISIO	NS	
DATE	X		DESCRIPTION	

LICENSE STAMP



CONSULTANT

AGENCY APPROVAL

ANY WAY WITH RESPECT THERETO.

COPYRIGHT © 2023

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION,
INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF
ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS,
KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND
EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING
THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FO
DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A
SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE
OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF
PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF
THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY
AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING
DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH : SET ISSUE DATE:

CODE ANALYSIS - CGBC

8/7/2023

G5.0

Plot Date: 8/31/2023 8:19:08 PM

OPTION 1

WUI COMPLIANT FIBER CEMENT LAP SIDING (HARDIE OR EQUAL) COLOR BY OWNER









OPTION 2

CEMENT PLASTER FINISH - COLOR TO BE SELECTED BY OWNER 1-COAT WUI-COMPLIANT CEMENT PLASTER SYSTEM (STO POWERWALL OR EQUAL) O/ RIGID INSULATION COLOR BY OWNER









OPTION 3

WUI COMPLIANT FIBER CEMENT PANELING (HARDIE OR EQUAL) COLOR BY OWNER











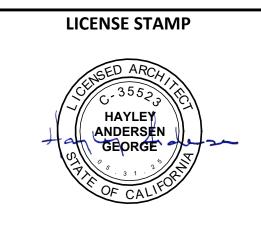
PROJECT



SHASTA COUNTY PRE-APPROVED **ADUS**

ADU 1 - PACIFIC CREST COTTAGE

REVISIONS



CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FOR DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH: SET ISSUE DATE:

8/7/2023

DESIGN OPTIONS

A1.0

OPTION A - No Garage OPTION B - With Attached Garage

WINDOW SCHEDULE - ADU 1 **USED FOR** EGRESS? EGRESS AREA QTY. WIDTH HEIGHT SILL HEIGHT **GLAZING TYPE** REMARKS 2' - 6" 2' - 6" SINGLE-HUNG TEMP TEMP 5' - 0" 1'-6" SINGLE-HUNG TEMP 2' - 6" 6' - 0" SINGLE-HUNG 2' - 6" 6' - 0" 0'-6" 7.2 SF SINGLE-HUNG TEMP Yes 1 6' - 0" 4' - 0" SLIDER TEMP PER GARAGE OPTION

SHEET NOTES

- EGRESS WINDOWS TO BE 20" WIDE MIN., 24" HIGH MIN., 5.7 SQ FT MIN., AND 44" MAX. BETWEEN FINISH FLOOR AND FINISHED SILL HEIGHT.
- COORDINATE ALL FURNITURE, EQUIPMENT, CASEWORK LAYOUTS AND DESIGN W/ OWNER.
- RE: G2.0, G3.0 AND G4.0 FOR ADDITIONAL APPLICABLE CODES
- D. RE: A6.0 FOR WINDOW AND DOOR DETAILS
- EXTERIOR WINDOWS AND EXTERIOR DOOR ASSEMBLIES SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS:
- A. BE CONSTRUCTED OF MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION R308 SAFETY GLAZING, OR
- B. BE CONSTRUCTED OF GLASS BLOCK, OR C. HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED
- ACCORDING TO NFPA 257, OR
- EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING:
- A. THE EXTERIOR SURFACE OR CLADDING SHALL BE OF NON-COMBUSTIBLE OR B. THE EXTERIOR SURFACE OR CLADDING SHALL BE OF IGNITION-RESISTANCE MATERIAL,

d. BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2

- C. THE EXTERIOR DOOR SHALL BE CONSTRUCTED OF SOLID CORE WOOD THAT COMPLY
- WITH THE FOLLOWING REQUIREMENTS: STILES AND RAILS SHALL BE NOT LESS THAN 1 3/8" THICK.
- PANELS SHALL NOT BE LESS THAN 1 1/4" THICK, EXCEPT FOR THE EXTERIOR PERIMETER OF THE RAISED PANEL THAT MAY TAPER TO A TONGUE NOT LESS THAN
- D. THE EXTERIOR DOOR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO NFPA 252.
- E. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF ASTM E2707.
- f. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1
- EXTERIOR GARAGE DOORS SHALL BE PROVIDED WITH WEATHER STRIPPING TO RESIST THE INTRUSION OF EMBERS FROM ENTERING THROUGH GAPS BETWEEN DOORS AND DOOR OPENINGS WHEN VISIBLE GAPS EXCEED 1/8". WEATHER STRIPPING OR SEALS SHALL BE INSTALLED ON THE BOTTOM, SIDES AND TOPS OF DOORS TO REDUCE GAPS BETWEEN DOORS AND DOOR OPENINGS TO 1/8" OR LESS.
- . PROVIDE RESIDENTIAL SPRINKLER SYSTEM WHERE (E) MAIN RESIDENCE IS EQUIPPED.
- FOR BATHROOM EXHAUST FANS, PROVIDE 50 CFM MIN AND 3 SONES MAXIMUM, WITH A 6" DUCT VENTED DIRECTLY THROUGH THE ROOF. SEE LIGHTING PLAN FOR LOCATION
- FOR THE KITCHEN EXHAUST HOOD, PROVIDE 100 CFM MINIMUM AND 3 SONES MAXIMUM, WITH 6" DUCT VENTED DIRECTLY THROUGH THE ROOF.
- A SHOWER COMPARTMENT SHALL HAVE A MINIMUM OF 6'-8" CEILING HEIGHT, SHALL HAVE A MINIMUM FINISHED INTERIOR OF 1024 SQUARE INCHES, AND SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30" CIRCLE. [CPC 408.6]

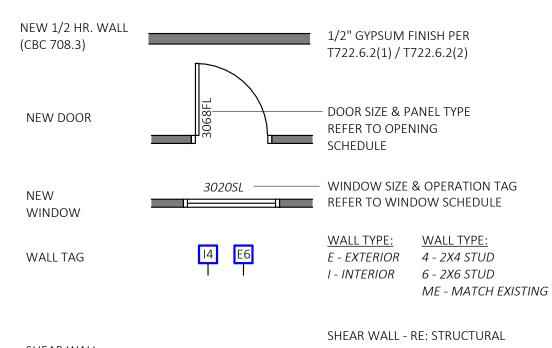
AGING IN PLACE NOTES

SEE 2022 CRC SECTION R327 FOR FULL REQUIREMENTS

- PROVIDE REINFORCEMENT OF NO LESS THAN 2X8 L ABOVE FINISHED FLOOR AT THE FOLLOWING LQC
- a. WATER CLOSET AT EITHER BOTH SIDE V
- b. SHOWER CONTINUOUS AT ABOVE AT IGHTSc. BATHTUB (OR TUB/SHOWER) CONTINUOUS AT EACH END OF TUB AND AT THE **BACK WALL**

RECORDS / DOCUMENTATION OF AREAS OF REINFORCEMENT SHALL BE MAINTAINED

- ALL NON-DEDICATED EL ORE THAN 48" TO TOP OF OUTLET BOX AND NOT CONTROLS SHALL BE LOCAT LESS THAN 15" FR
-) BEDROOM ON ENTRY LEVEL (OR SECOND LEVEL RY LEVEL) SHALL PROVIDE A DOORWAY WITH A NET CLEAR



DRAWINGS FOR WALL TYPE

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF

COPYRIGHT © 2023

PROJ ARCH: SET ISSUE DATE: 8/7/2023

2650SH 2660SH

PER GARAGE OPTION

ABBREVIATIONS

3'-0" WIDE BY 4'-0" HIGH **AWNING WINDOW BI-PASS DOOR** DOUBLE-HUNG EXISTING FACTORY FINISH **FULL GLASS** FLUSH PANEL

HALF LITE HOLLOW METAL MTL METAL 00 OWNER OPTION PICTURE WINDOW **POCKET DOOR** PAINT SOLID CORE SINGLE-HUNG SLIDER / SLIDING **SWING**

WD

TO BE DETERMINED TEMP TEMPERED GLAZING

NOMINAL DIMENSIONS FINISH GLASS **TYPE** MATERIAL NOTES 7' - 0" SWING SOLID CORE 3'-0" PT **FLUSH** 6' - 8" POCKET 3'-0" 6' - 8" SWING PT 3'-0" SWING 6' - 8" FF SOLID CORE 4'-0" 7' - 0" PT

BI-PASS

BI-FOLD

SLIDER

00

PΤ

FF

DOOR AND FRAME SCHEDULE - ADU 1

5'-0"

6'-0"

7' - 0"

6' - 10"

9'-0" 7' - 0"

QTY

FLUSH

FLUSH

2668SW

3068PK

3068SW

3068SW-FG

4068BP

9080OH 1

NOTE: NOT ALL KEYNOTES MAY BE USED 1. LINE OF ROOF OVERHANG ABOVE

VERIFY SHOWER HEAD LOCATION W/ OWNER. INSTALL BLOCKING IN ALL WALLS FOR FUTURE GRAB BARS AND SHOWER SEAT INSTALLATION (SEE AGING IN PLACE NOTES)

RECESSED SLAB FOR ROLL-IN SHOWER - OWNER OPTION BETWEEN SHOWER AND TUB, CONTRACTOR TO VERIFY REQ'D DIMENSIONS

INSTALL ONE LAYER OF 1/2" GYP. BD. TO BOTH SIDES OF WALL FULL HEIGHT OF_ FRAMING AND WRAP TO CEILING PER CRC R302.6. IF GARAGE OPTION IS TO WHERE NO GARAGE CONSTRUCTED, WRAP WITH EXTERIOR SIDING.

6. FURNITURE PROVIDED BY OWNER

. MECHANICAL UNIT, RE: ENERGY DOCUMENTS

8. KITCHEN ISLAND / PENINSULA

9. 30"X42" CLEAR SPACE FOR REFERENCE

10. HYBRID ELECTRIC TANK WATER HEATER - F

11. SHEAR WALL - TYPICAL WHERE BLUE 🔏 DRAWINGS FOR WALL TYPE, MAY

SHEAR WALL

SHOWN FOR COORDINATION ONLY

	THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COI AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDIN DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAV
1	

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF

ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS,

KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN

www.oneshop.community

PROJECT

SHASTA COUNTY PRE-APPROVED

ADU 1 - PACIFIC CREST COTTAGE

REVISIONS

LICENSE STAMP

CONSULTANT

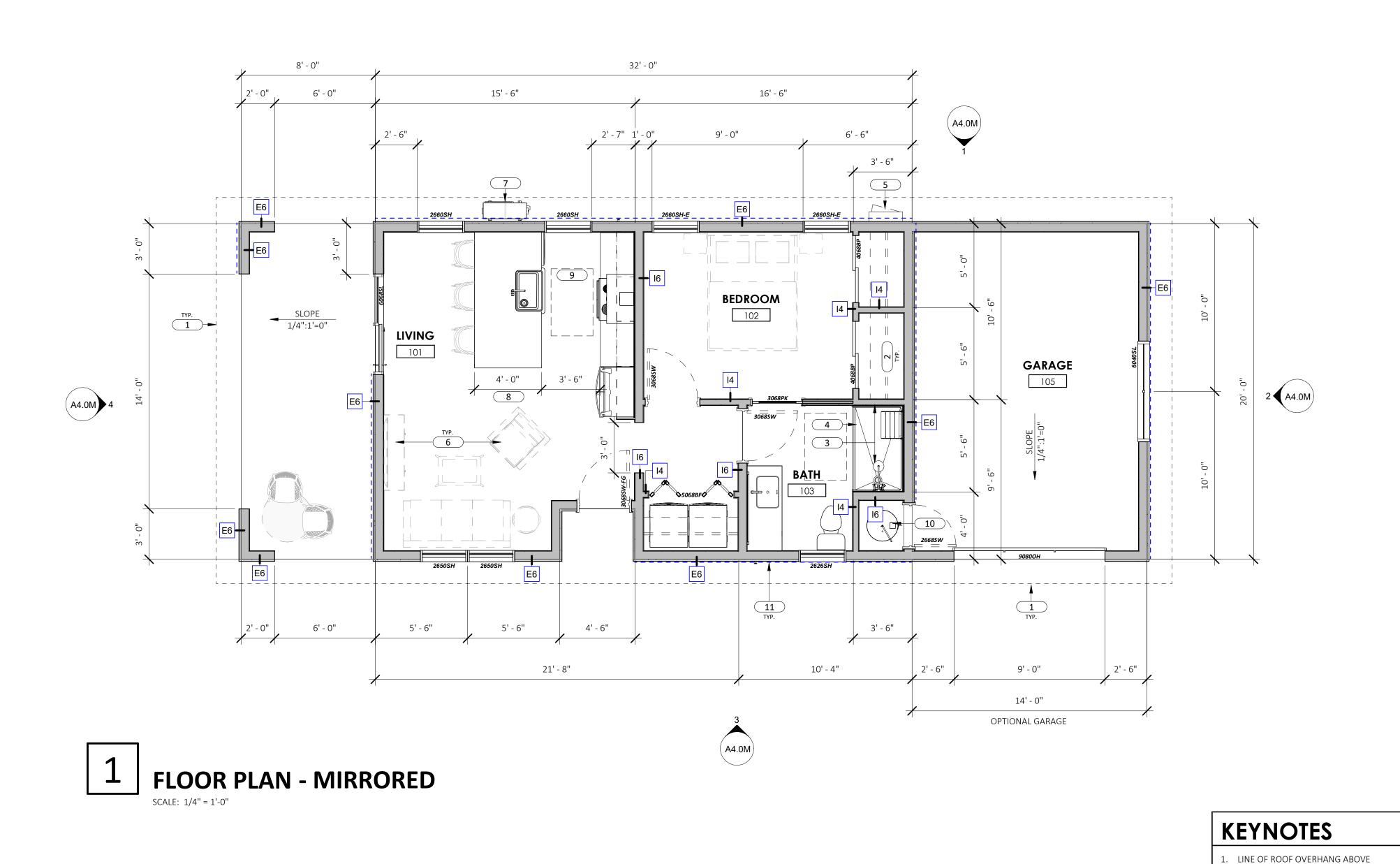
AGENCY APPROVAL

8/29/23 A SC Remarks

9/11/23 B SC Remarks

FLOOR PLAN

A2.0



SHEET NOTES

EGRESS WINDOWS TO BE 20" WIDE MIN., 24" HIGH MIN., 5.7 SQ FT MIN., AND 44" MAX. BETWEEN FINISH FLOOR AND FINISHED SILL HEIGHT.

COORDINATE ALL FURNITURE, EQUIPMENT, CASEWORK LAYOUTS AND DESIGN W/ OWNER.

RE: G2.0, G3.0 AND G4.0 FOR ADDITIONAL APPLICABLE CODES

D. RE: A6.0 FOR WINDOW AND DOOR DETAILS

EXTERIOR WINDOWS AND EXTERIOR DOOR ASSEMBLIES SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS:

A. BE CONSTRUCTED OF MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION R308 SAFETY GLAZING, OR B. BE CONSTRUCTED OF GLASS BLOCK, OR

C. HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED

ACCORDING TO NFPA 257, OR d. BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2

EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING:

A. THE EXTERIOR SURFACE OR CLADDING SHALL BE OF NON-COMBUSTIBLE OR B. THE EXTERIOR SURFACE OR CLADDING SHALL BE OF IGNITION-RESISTANCE MATERIAL,

C. THE EXTERIOR DOOR SHALL BE CONSTRUCTED OF SOLID CORE WOOD THAT COMPLY

WITH THE FOLLOWING REQUIREMENTS: STILES AND RAILS SHALL BE NOT LESS THAN 1 3/8" THICK.

 PANELS SHALL NOT BE LESS THAN 1 1/4" THICK, EXCEPT FOR THE EXTERIOR PERIMETER OF THE RAISED PANEL THAT MAY TAPER TO A TONGUE NOT LESS THAN

D. THE EXTERIOR DOOR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO NFPA 252.

E. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF ASTM E2707.

f. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1

EXTERIOR GARAGE DOORS SHALL BE PROVIDED WITH WEATHER STRIPPING TO RESIST THE INTRUSION OF EMBERS FROM ENTERING THROUGH GAPS BETWEEN DOORS AND DOOR OPENINGS WHEN VISIBLE GAPS EXCEED 1/8". WEATHER STRIPPING OR SEALS SHALL BE INSTALLED ON THE BOTTOM, SIDES AND TOPS OF DOORS TO REDUCE GAPS BETWEEN DOORS AND DOOR OPENINGS TO 1/8" OR LESS.

. PROVIDE RESIDENTIAL SPRINKLER SYSTEM WHERE (E) MAIN RESIDENCE IS EQUIPPED.

FOR BATHROOM EXHAUST FANS, PROVIDE 50 CFM MIN AND 3 SONES MAXIMUM, WITH A 6" DUCT VENTED DIRECTLY THROUGH THE ROOF. SEE LIGHTING PLAN FOR LOCATION

FOR THE KITCHEN EXHAUST HOOD, PROVIDE 100 CFM MINIMUM AND 3 SONES MAXIMUM, WITH 6" DUCT VENTED DIRECTLY THROUGH THE ROOF.

A SHOWER COMPARTMENT SHALL HAVE A MINIMUM OF 6'-8" CEILING HEIGHT, SHALL HAVE A MINIMUM FINISHED INTERIOR OF 1024 SQUARE INCHES, AND SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30" CIRCLE. [CPC 408.6]

AGING IN PLACE NOTES

SEE 2022 CRC SECTION R327 FOR FULL REQUIREMENTS

PROVIDE REINFORCEMENT OF NO LESS THAN 2X8 L

ABOVE FINISHED FLOOR AT THE FOLLOWING LQ a. WATER CLOSET - AT EITHER BOTH SIDE V

c. BATHTUB (OR TUB/SHOWER) - CONTINUING AT EACH END OF TUB AND AT THE **BACK WALL**

RECORDS / DOCUMENTATION F AREAS OF REINFORCEMENT SHALL BE MAINTAINED

LES, SWITCHES, DOORBELLS AND ALL NON-DEDICATED EL RE THAN 48" TO TOP OF OUTLET BOX AND NOT CONTROLS SHALL BE LOCAT LESS THAN 15" FR OUTLET BOX A.F.F.

L) BEDROOM ON ENTRY LEVEL (OR SECOND LEVEL RY LEVEL) SHALL PROVIDE A DOORWAY WITH A NET CLEAR

2. CLOSET STORAGE VERIFY LAYOUT AND DESIGN W/OWNER. B. VERIFY SHOWER HEAD LOCATION W/ OWNER. INSTALL BLOCKING IN ALL WALLS FOR

NOTE: NOT ALL KEYNOTES MAY BE USED

RECESSED SLAB FOR ROLL-IN SHOWER - OWNER OPTION BETWEEN SHOWER AND TUB, CONTRACTOR TO VERIFY REQ'D DIMENSIONS

FUTURE GRAB BARS AND SHOWER SEAT INSTALLATION (SEE AGING IN PLACE NOTES)

INSTALL ONE LAYER OF 1/2" GYP. BD. TO BOTH SIDES OF WALL FULL HEIGHT OF _ FRAMING AND WRAP TO CEILING PER CRC R302.6. IF GARAGE OPTION IS TO WHERE NO GARAGE CONSTRUCTED, WRAP WITH EXTERIOR SIDING.

6. FURNITURE PROVIDED BY OWNER

7. MECHANICAL UNIT, RE: ENERGY DOCUMENTS

8. KITCHEN ISLAND / PENINSULA

9. 30"X42" CLEAR SPACE FOR REFERENCE

NEW 1/2 HR. WALL 1/2" GYPSUM FINISH PER (CBC 708.3) T722.6.2(1) / T722.6.2(2) DOOR SIZE & PANEL TYPE **NEW DOOR** REFER TO OPENING SCHEDULE 3020SL — WINDOW SIZE & OPERATION TAG NEW REFER TO WINDOW SCHEDULE WINDOW WALL TYPE: WALL TYPE: 14 E6 WALL TAG E - EXTERIOR 4 - 2X4 STUD I - INTERIOR 6 - 2X6 STUD ME - MATCH EXISTING SHEAR WALL - RE: STRUCTURAL SHEAR WALL DRAWINGS FOR WALL TYPE

				WINE	oow s	CHE	WIL-ADU	1	
#	QTY.	WIDTH	HEIGHT	SILL HEIGHT	USED FOR EGRESS?	EGRESS AREA	ТҮРЕ	GLAZING TYPE	REMARKS
SH	1	2' - 6"	2' - 6"	4'-0"			SINGLE-HUNG	TEMP	
SH	2	2' - 6"	5' - 0"	1'-6"			SINGLE-HUNG	TEMP	

					USED FOR				
#	QTY.	WIDTH	HEIGHT	SILL HEIGHT	EGRESS?	EGRESS AREA	TYPE	GLAZING TYPE	REMARKS
SH	1	2' - 6"	2' - 6"	4'-0"			SINGLE-HUNG	TEMP	
SH	2	2' - 6"	5' - 0"	1'-6"			SINGLE-HUNG	TEMP	
SH	2	2' - 6"	6' - 0"	0'-6"			SINGLE-HUNG	TEMP	
SH-E	2	2' - 6"	6' - 0"	0'-6"	Yes	7.2 SF	SINGLE-HUNG	TEMP	
SL	1	6' - 0"	4' - 0"	3'-0"			SLIDER	TEMP	PER GARAGE OPTION

3'-0" WIDE BY 4'-0" HIGH AWNING WINDOW **BI-PASS DOOR** DOUBLE-HUNG EXISTING FACTORY FINISH

PAINT SOLID CORE SINGLE-HUNG SLIDER / SLIDING SWING TO BE DETERMINED TEMPERED GLAZING

SET ISSUE DATE: 8/7/2023

A2.0M

www.oneshop.community

PROJECT

SHASTA COUNTY PRE-APPROVED

ADU 1 - PACIFIC CREST COTTAGE

REVISIONS

LICENSE STAMP

HAYLEY

ANDERS≝N

CONSULTANT

AGENCY APPROVAL

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF

HIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FO

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF

PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF

DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW

THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING

ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS,

KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN

8/29/23 A SC Remarks

9/11/23 B SC Remarks

DESCRIPTION

QTY

FLUSH

FLUSH

FLUSH

FLUSH

FULL GLASS

00

WD

00

2668SW

3068PK

3068SW

3068SW-FG

4068BP

5068BF

9080OH 1

2626SH SOLID CORE 2650SH 2660SH 2660SF SOLID CORE 6040SL

NOTES

PER GARAGE OPTION

DOOR AND FRAME SCHEDULE - ADU 1

GLASS

TYPE

SWING

POCKET

SWING

SWING

BI-PASS

BI-FOLD

SLIDER

OVERHEAD

NOMINAL DIMENSIONS

9'-0" 7' - 0"

3'-0"

3'-0"

3'-0"

4'-0"

5'-0"

6'-0"

7' - 0"

6' - 8"

6' - 8"

6' - 8"

7' - 0"

7' - 0"

6' - 10"

DOOR FRAME

MATERIAL

00

FINISH

PΤ

PT

PT

FF

PT

PT

FF

10. HYBRID ELECTRIC TANK WATER HEATER - R 11. SHEAR WALL - TYPICAL WHERE BLUE DRAWINGS FOR WALL TYPE, MAY

ABBREVIATIONS

FULL GLASS FLUSH PANEL

MTL

00

TBD TEMP HALF LITE WD HOLLOW METAL METAL OWNER OPTION

PICTURE WINDOW

POCKET DOOR

SHOWN FOR COORDINATION ONLY

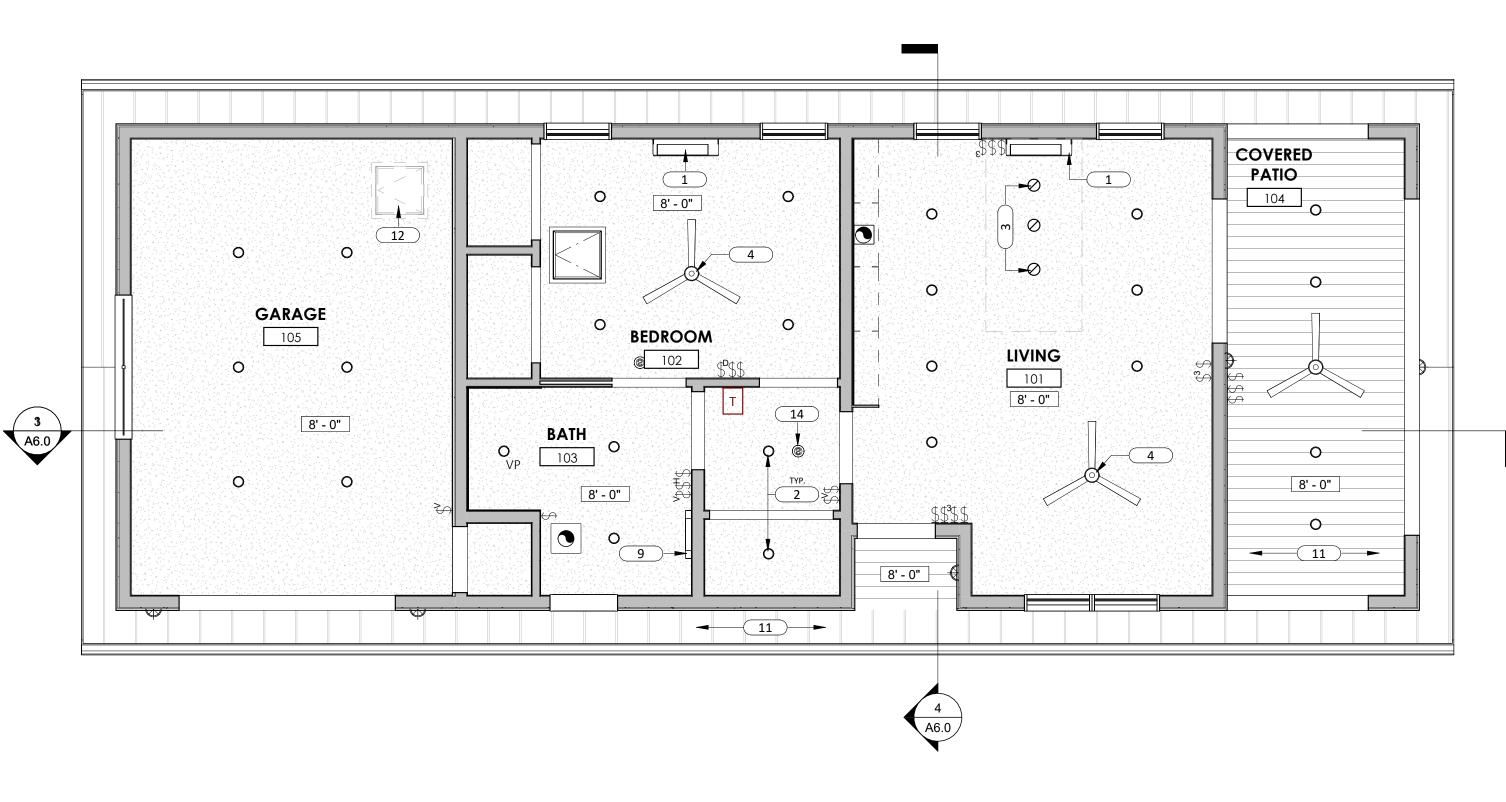
FLOOR PLAN - MIRRORED

COPYRIGHT © 2023

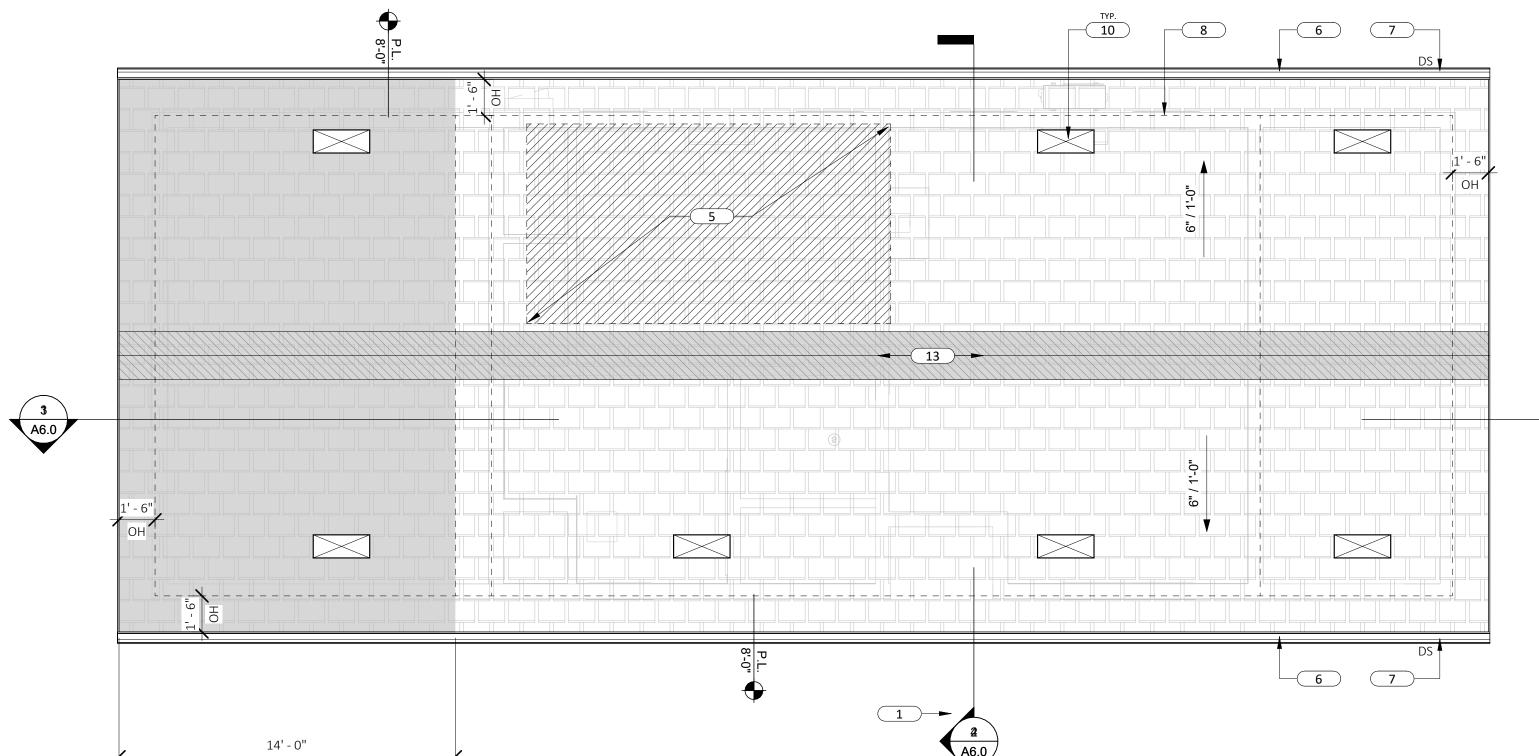
ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE

PROJ ARCH:



REFLECTED CEILING PLAN



ROOF EXTENSION WITH GARAGE OPTION

SHEET NOTES

- A. REFER TO STRUCTURAL SCHEDULES AND DETAILS ON STRUCTURAL SHEETS
- B. ALL ROOF OVERHANGS TO BE 1'-6" U.O.N.
- C. PLATE HEIGHTS ARE FROM FINISHED FLOOR AT MAIN HOUSE 0'-0"
- D. FACE OF SLAB TO ALIGN WITH FACE OF STUD
- E. STRUCTURE WILL BE BUILT ON SLOPES LESS THAN 33%
- SETBACKS TO SLOPES COMPLY WITH R403.1.7 AND ARE GREATER THAN H/3 OR 40' AT THE TOP OF A SLOPE OR H/2 OR 15' TO THE TOE OF A SLOPE
- . SOILS REPORT TO BE REQUIRED IF ANY FILL OVER 12" IS USED OR IF ANY KNOWN SOILD CONDITIONS EXIST.
- . ATTIC VENT, PER CRC SECTION 806.2 THE MIN. NET FREE VENTILATING AREA SHALL BE 1/150 OF THE AREA OF THE VENTED SPACE.
- PROVIDE CONTINUOUS 4" FASCIA GUTTERS WITH LEAF GUARDS.
- ROOF TO BE CONSTRUCTED PER CRC R902
- K. RE: G2.0, G3.0, G4.0 AND G5.0 FOR ADDITIONAL APPLICABLE CODES
- 6:12 SLOPE ASPHALT SHINGLE ROOFING. MANUFACTURER, MODEL, AND COLOR TO BE SELECTED BY OWNER. ROOFING TO BE CLASS 'A' RATED IN ALL W.U.I. LOCATIONS AND INSTALLED PER MFG'S SFM APPROVED DETAILS.
- M. THE EXTERIOR WALL COVERING AND EXPOSED UNDERSIDE OF THE EAVE SHALL BE OF NON-COMBUSTIBLE OR IGNITION RESISTANT MATERIALS. SEE SHEET G5.0, SECTION R337.6.3 FOR ADDITIONAL WILDLAND URBAN INTERFACE CODE REQUIREMENTS.
- . ROOF FRAMING TO BE PRE-FAB TRUSSES AT 24" O.C. TYP. TRUSS MFG TO PROVIDE TRUSS LAYOUT PLAN

ATTIC VENTILATION CALCS

AREA: CONDITIONED SPACE

1466 SF (ATTIC AREA) / 150 = 9.8 SF REQ'D ATTIC VENTILATION (1,411 SQ IN)

PROVIDED RIDGE VENTING: (BRANGUARD OR EQUAL, 17 SQ IN NFVA/LF MIN.) > 57 LINEAR FT * 17 SQ IN > 969 SQ IN / 144 SQ IN PER SF



PROVIDED OFF-RIDGE VENTING TO MATCH ROOFING MATERIAL: (O'HAGIN FIRE & ICE OR EQUAL, 72 SQ IN NFVA MIN) > 7 UNITS * 72 SQ IN > 504 SQ IN / 144

TOTAL AREA OF VENTILATION PROVIDED: APPROX. 10.2 SF

KEYNOTES

- MINI-SPLIT MECHANICAL SYSTEM PER ENERGY DOCUMENTS, TYPICAL OF (2) HEAD UNITS
- 2. CENTER LIGHTS IN SPACE, TYPICAL
- 3. PENDANT LIGHT, TYP. OF (3), CENTER OVER ISLAND
- 4. CENTER CEILING FAN IN SPACE, TYPICAL
- PHOTOVOLTAIC ARRAY RE: ENERGY DOCUMENTS FOR SIZING AND ADJUST LOCATION FOR OPTIMAL SOLAR EXPOSURE PER SITE
- 4" GUTTER W/ LEAF GUARD O/ 2X FASCIA BOARD
- . DOWNSPOUT, TYP. WHERE 'D.S.' SHOWN
- 8. LINE OF WALL BELOW
- 9. VANITY LIGHT, CENTER OVER SINK
- 10. OFF-RIDGE VENT, LOCATION TO BE N ALLOWED WITH PV ARRA ... NTS TO BE SFM APPROVED AND EMBER RESISTANT PER HIGH FIRE SEVEL TY HAZARD ZONE (WUI) REQUIREMENTS. TYPICAL OF (7). INSTALL IN LOWER 3 OF ROOF.
- G TO BE WUI COMPLIANT FIBER CEMENT PANELING -
- CESS HATCH IF GARAGE IS BUILT
- GE VENT W/ CLASS A ROOFING TO MATCH REST OF
- NATION SMOKE/CARBON DIOXIDE ALARM (HARDWIRED & ITERCONNECTED WITH OTHERS) TO BE PHOTO-ELECTRIC TYPE OR THERWISE LISTED FOR RESISTANCE TO COMMON COOKING SMOKE.

- SE 1 LEADER OR (1) EVERY 50' MAX OF GUTTER LENGTH WHICH EVER IS
- DOWNSPOUTS (ABREVIATED AS "DS") SHOWN ON PLAN FOR APPROXIMATE

SLOPE GUTTER 1/8" PER FOOT TOWARDS DOWNSPOUTS

LOCATIONS

NOT ALL MAY BE USED WALL SCONCE

WUI COMPLIANT EXTERIOR CEILING: NOMINAL 2X T&G WOOD OR WUI COMPLIANT FIBER CEMENT PANELING OR PLANKS

30" x 30" (MIN.) ATTIC ACCESS

EXHAUST FAN - SHALL BE LISTED AT 3 SONES OR LESS FOR NOISE AND RATED BASED ON W.C. OF 0.25 OR GREATER

SET ISSUE DATE:

PROJ ARCH:

COPYRIGHT © 2023

RCP & ROOF PLAN

8/7/2023

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF

ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS,

KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY **ONESHOP** PRIOR TO, OR ACQUIRED DURING

THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE

THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING

OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF

DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

www.oneshop.community

PROJECT

SHASTA COUNTY PRE-APPROVED

ADUS

ADU 1 - PACIFIC CREST COTTAGE

REVISIONS

LICENSE STAMP

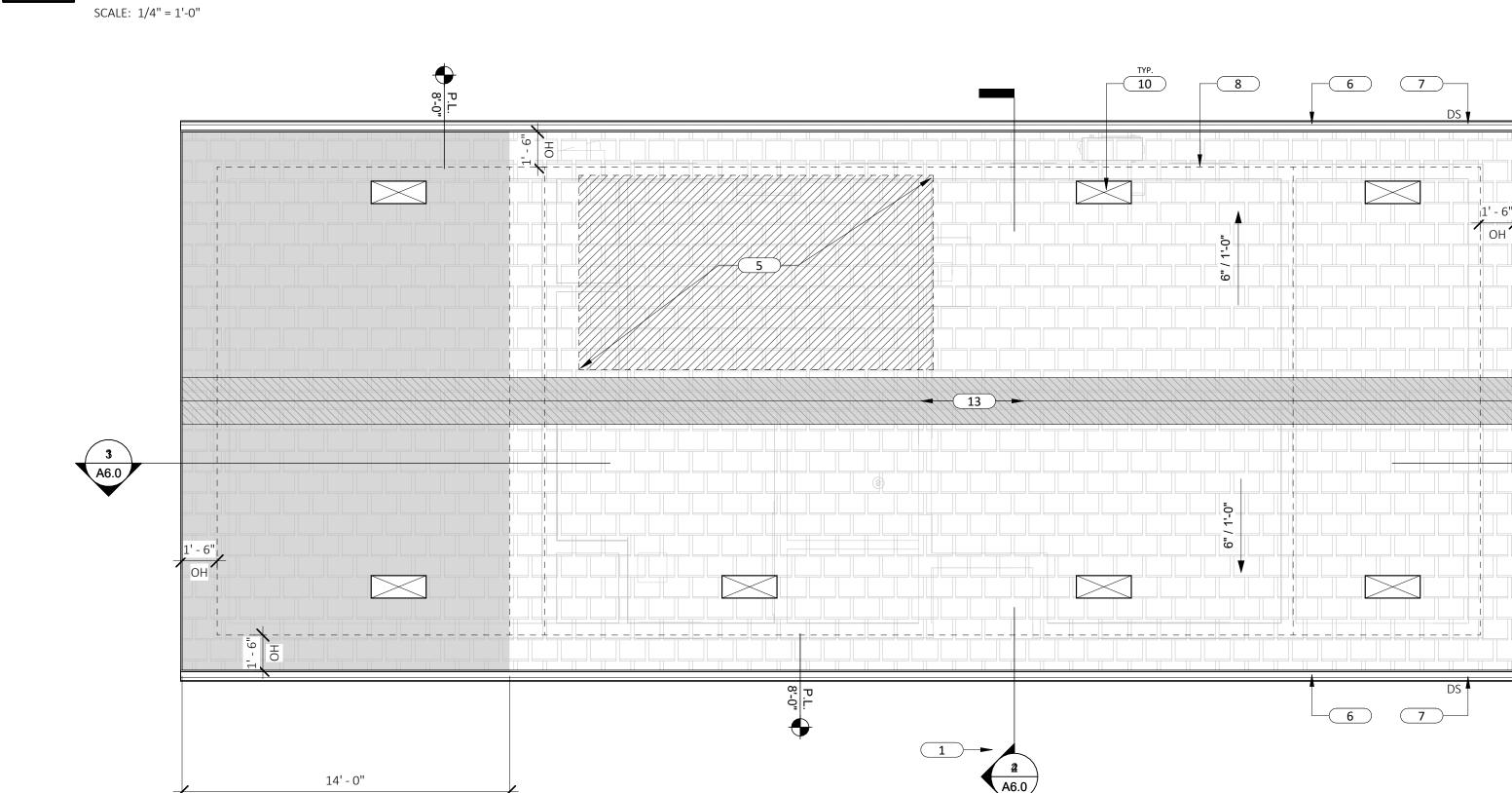
HAYLEY

ANDERSEN

CONSULTANT

AGENCY APPROVAL

8/29/23 A SC Remarks

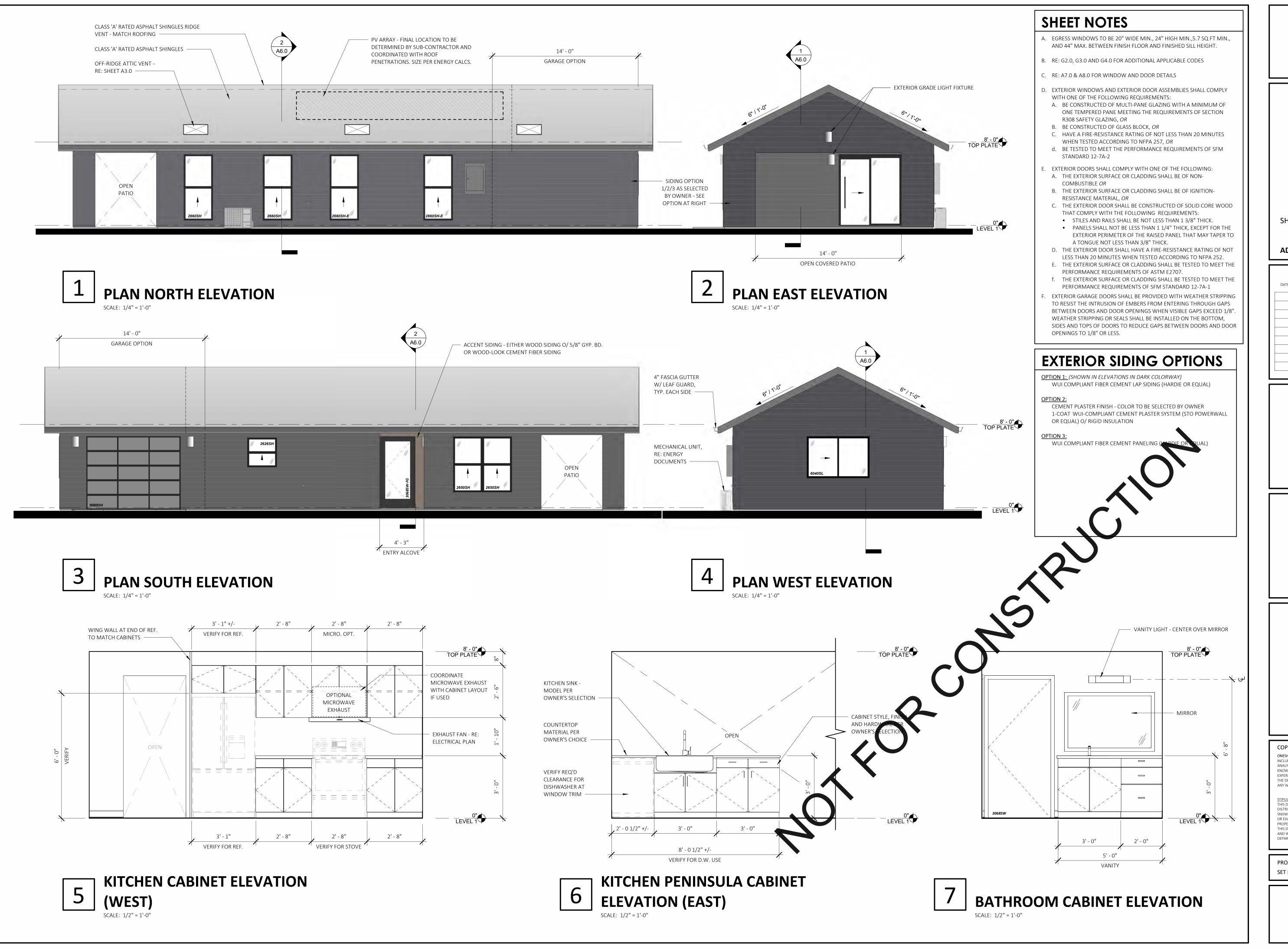


STORM DRAINAGE NOTES 60-MINUTE DURATION, 100-YEAR RETURN = 1.5 I ROOF AREA = 1,466 SF FLOW (GPM) = 1466 * .016 = 23.5 GPM 4" PIPE = 12.6 SQ.IN. 4" RECTANGLE GUTTER IN/H) = 7,020 ALLOWABLE SF (4" GUTTER OK) 30GPM; 1.5(IN/H) = 2700 SF / LEADER 2 PROVIDED FOR (2) SEPARATE GUTTER RUNS)

LEGEND 6" RECESSED CAN LIGHT WEATHER-PROOF WHEN SHOWN @ PATIOS VAPOR-PROOF IN BATHROOM LOCATIONS UNDERCABINET LIGHTING COMBINATION SMOKE / CARBON MONOXIDE TO BE HARDWIRED AND INTERCONNECTED PENDANT LIGHT FIXTURE CEILING FAN WITH LIGHT GYP. BD. CEILING

HATCH PER 2022 CRC 807.1

A3.0



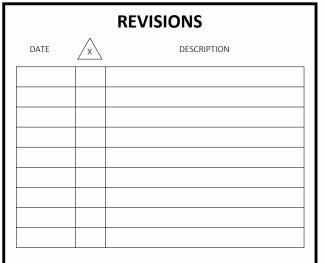
www.oneshop.community

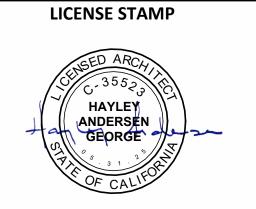
PROJECT



SHASTA COUNTY PRE-APPROVED **ADUS**

ADU 1 - PACIFIC CREST COTTAGE





CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW

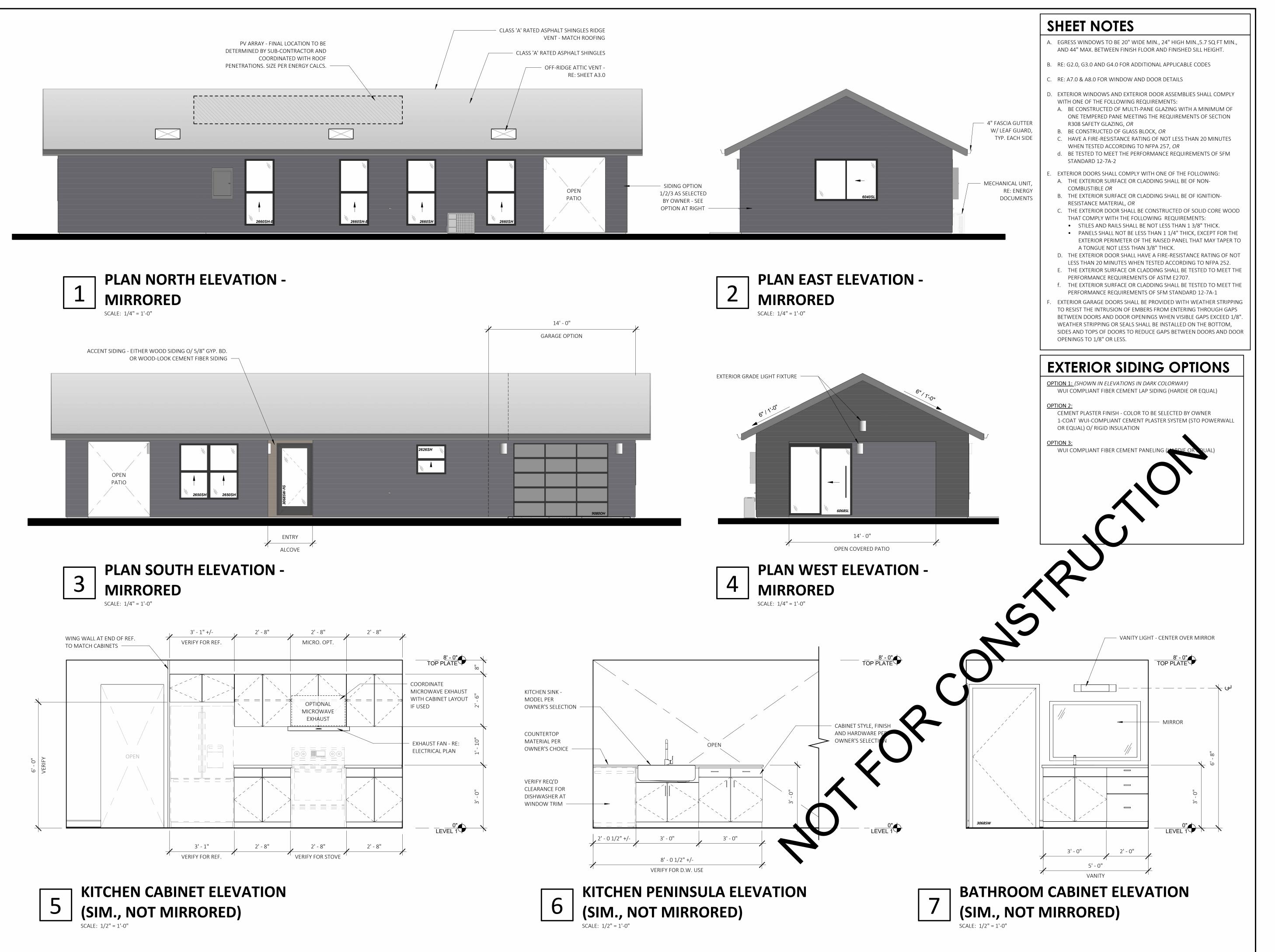
PROJ ARCH:

SET ISSUE DATE:

INTERIOR & EXTERIOR ELEVATIONS

8/7/2023

A4.0



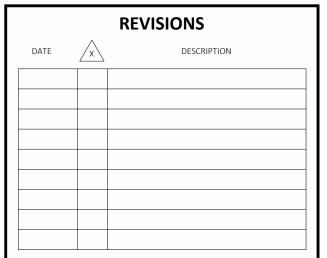
www.oneshop.community

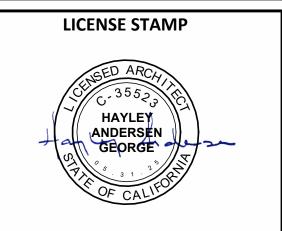
PROJECT



SHASTA COUNTY PRE-APPROVED **ADUS**

ADU 1 - PACIFIC CREST COTTAGE





CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW

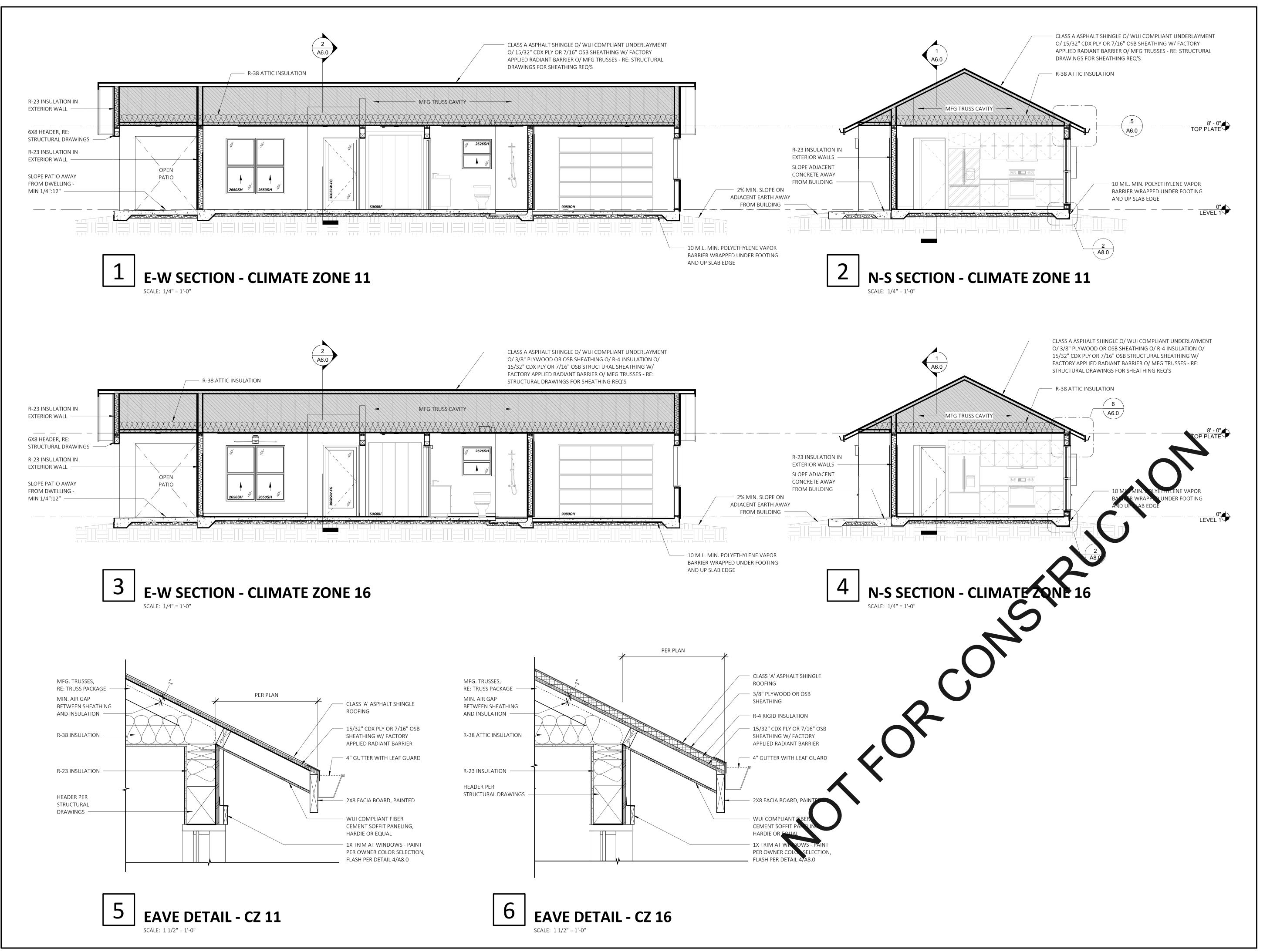
PROJ ARCH:

SET ISSUE DATE:

INTERIOR & EXTERIOR ELEVATIONS - MIRRORED

8/7/2023

A4.0M



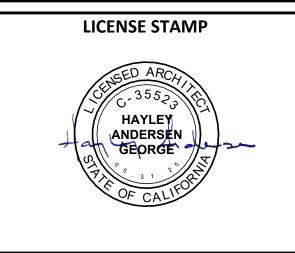




SHASTA COUNTY PRE-APPROVED ADUS

ADU 1 - PACIFIC CREST COTTAGE

		REVISIONS
DATE	\sqrt{x}	DESCRIPTION
9/11/23	В	SC Remarks



CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE

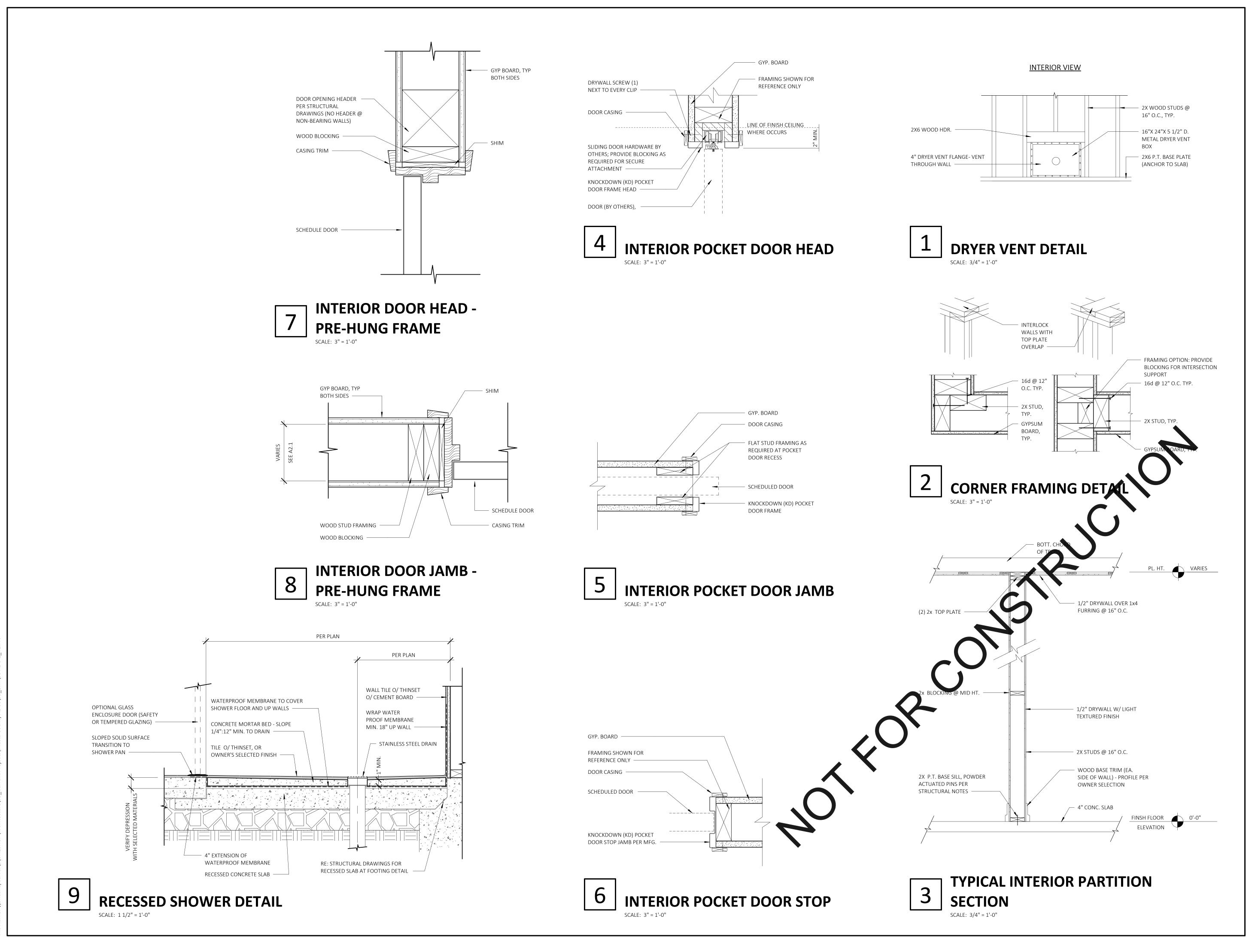
DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH : SET ISSUE DATE:

8/7/2023

SECTIONS & EXTERIOR DETAILS

A6.0



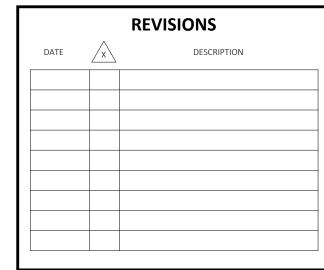
ONESHOP.community

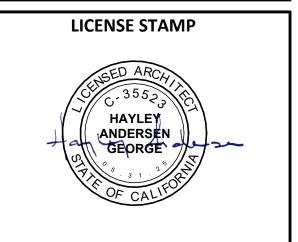
PROJECT



SHASTA COUNTY PRE-APPROVED ADUS

ADU 1 - PACIFIC CREST COTTAGE





CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

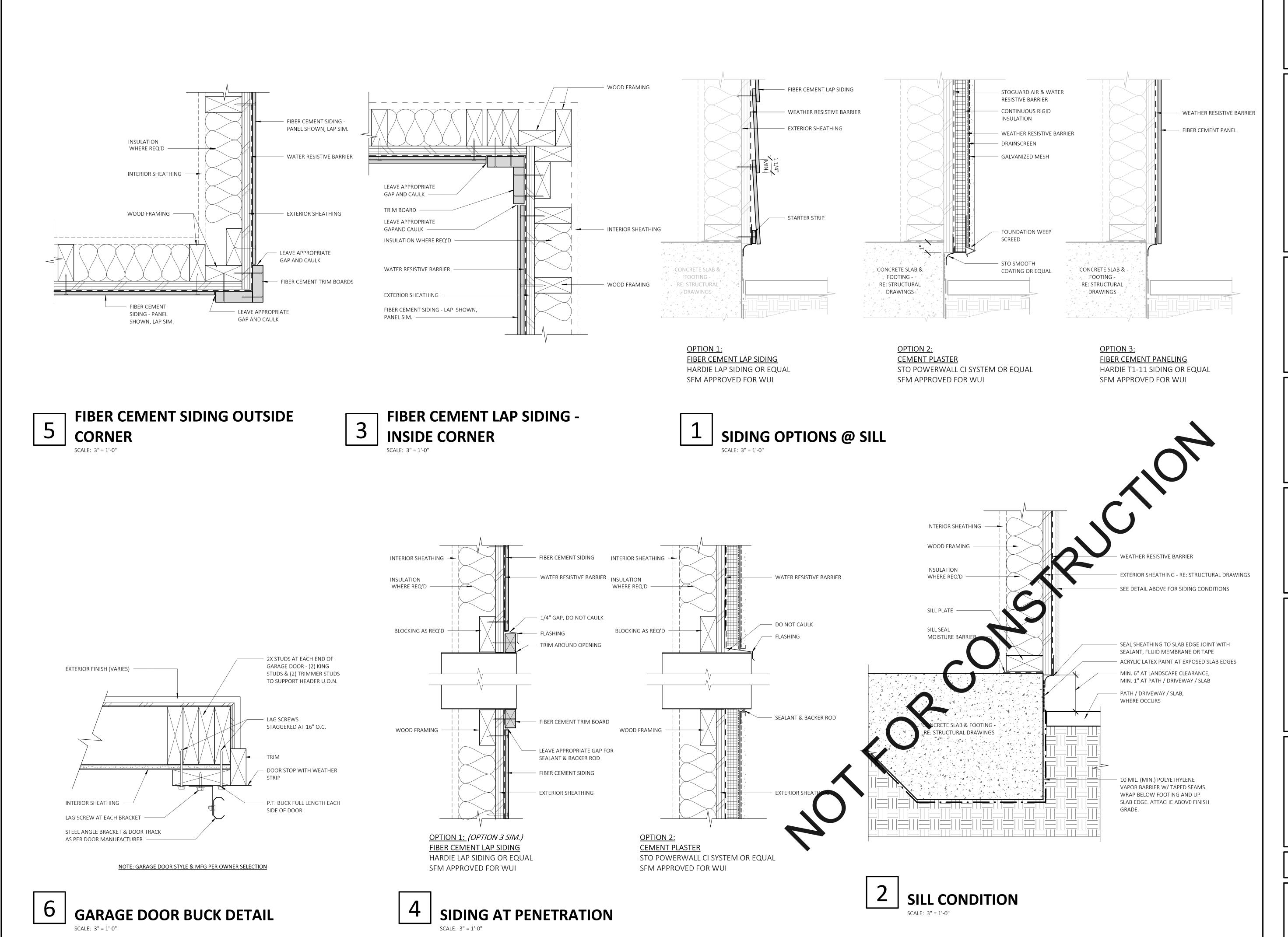
THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FOI DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH : SET ISSUE DATE:

INTERIOR DETAILS

8/7/2023

A7.0





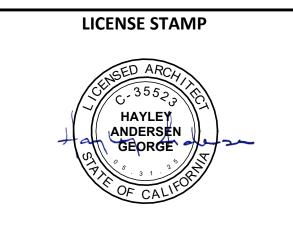
PROJECT

SHASTA COUNTY PRE-APPROVED ADUS

ADU 1 - PACIFIC CREST COTTAGE

DATE X DESCRIPTION

DESCRIPTION



CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FOI DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING

DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH : SET ISSUE DATE:

8/7/2023

EXTERIOR DETAILS

A8.0

Plot Date: 8/31/2023 8:29:35 PM

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENTLY ACCEPTED EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND CBC STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS.
- 2. DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR 4. SIMILAR CONSTRUCTION SHOWN ON PLAN. 5.
- B. TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE
- DRAWINGS.

 ALL PREFABRICATED CONNECTING HARDWARE SPECIFIED IS SIMPSON PRODUCTS OR APPROVED EQUAL SUCH AS USB. INSTALL PER MANUFACTURES SPECIFICATIONS FOR MAX LOADING.
- 5. THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF HUMMER CONSULTING ENGINEERING AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK AFFECTED.
- NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED, OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER IN ADVANCE OR AS SHOWN ON THESE DRAWINGS.
- 7. PROVIDE OPENINGS, CURBS, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ANY OF THESE DRAWINGS.
- DO NOT SCALE DRAWINGS. THESE DRAWINGS ARE NOT MEANT TO BE SCALED. CALL ENGINEER FOR ANY NEEDED CLARIFICATIONS.

<u>DESIGN CRITERIA</u>

- 1. THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING CRITERIA: A. SEISMIC:
 - a. SEISMIC IMPORTANCE FACTOR: 1
 - b. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
 - Ss = 1.270, S1 = 0.430
 - c. SEISMIC SITE CLASS: D
 - d. SEISMIC RESPONSE COEFFICIENTS:
 - SDS = 1.020, SD1 = 0.650, Cs = 0.130
 - e. SEISMIC DESIGN CATEGORY: D
 - f. BASIC SEISMIC FORCE RESISTING SYSTEM:
 - LIGHT FRAMED SHEAR WALLS
 g. RESPONSE MODIFICATION FACTOR:
 - R = 6.5
 - h. ANALYSIS PROCEDURE:
 - EQUIVALENT STATIC FORCE PROCEDURE
 - B WIND:
 - a. WIND SPEED: 94 MPH
 - b. WIND SPEED. 94 MPF
 - C. LIVE LOADS:
 - a. ROOF SNOW LOAD: 50 PSF
 - D. SITE SOIL:
 - a. BEARING CAPACITY: 1500 PSF

SITE WORK AND FOUNDATION

- 1. FOUNDATION SOIL SHALL BE NATIVE UNDISTURBED SOIL OR ENGINEERED FILL AS PER THE PROJECT SOILS REPORT WHERE APPLICABLE. ALL ENGINEERED FILL SHALL BE SPECIAL INSPECTED AND A PAD CERTIFICATION FROM THE TESTING AGENCY SHALL BE PROVIDED.
- 2. IF NO GEOTECHNICAL REPORT WAS PROVIDED, DESIGN IS BASED ON LOCAL JURISDICTION ALLOWABLES AND RECOMMENDATIONS.
- 3. GRADING SHALL BE PROVIDED TO ACCOMPLISH A 5% SLOPE AWAY FROM STRUCTURE FOR A MINIMUM OF 10'.
 4. NO UTILITY TRENCHES SHALL BE ALLOWED NEAR THE BUILDING
- 4. NO UTILITY TRENCHES SHALL BE ALLOWED NEAR THE BUILDING TRENCHES WHICH EXTEND DEEPER THAN A 45 DEGREE LINE PROJECTED DOWN AND AWAY FROM THE BOTTOM OUTSIDE CORNER OF ANY FOOTING.
- 5. PLACE 20' REBAR IN FOUNDATION AND STUB UP ABOVE FINISHED CONCRETE AT POWER METER LOCATION.

CONCRETE

- 1. THE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 2500 PSI PER CBC.
- 2. ALL CEMENT USED SHALL CONFORM TO ASTM C-150 STANDARDS.
 3. HORIZONTAL REINFORCING (FOOTING AND STEM WALL); MIN. (1) #4
 REBAR 2" BELOW TOP OF STEM WALL AND 3" CLEAR ABOVE BOTTOM OF
 THE FOOTING AND AT 18" O.C. MAXIMUM HORIZONTAL SPACING.
- 4. CONCRETE SLABS SHALL BE A MINIMUM OF 3.5" THICK PER CBC. SLABS UNDER LIVING AREAS AND IN GARAGE SHALL BE REINFORCED WITH REINFORCING BAR OR WIRE MESH. PROVIDE WATERPROOF MEMBRANE BETWEEN SLAB AND ROCK BASE AT ALL LIVING AREAS OR AS RECOMMENDED BY SOILS REPORT.
- 5. FINE AND COARSE AGGREGATE SHALL CONFORM TO ASTM C-33 FOR STANDARD WEIGHT CONCRETE AND ASTM C-330 FOR LIGHT WEIGHT
- CONCRETE.

 DRY PACK SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT TO
- NOT MORE THAN THREE PARTS SAND.

 7. CONCRETE SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 10 DAYS OR BY AN APPROVED CURING COMPOUND.
- 8. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR MISCELLANEOUS ITEMS TO BE CAST INTO CONCRETE AND FLOOR DEPRESSIONS, ETC.
- SEE ARCHITECTURAL PLANS FOR LOCATIONS OF EXPANSION JOINTS, SCORING, ETC. FOR CONCRETE WALKS, SLABS, AND OTHER FLAT WORK.
- 10. CONCRETE FOR SLAB ON GRADE SHALL HAVE A MAXIMUM OF 4" SLUMP PER ASTM C-134. 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. CEMENT TO BE PER ASTM C-150 TYPE 1 OR TYPE 2.

<u>HOLDOWNS</u>

- ALL HOLDOWNS ARE SIMPSON STRONG-TIE OR EQUIVALENT.
 LOCATION OF HOLDOWNS ON PLAN ARE APPROXIMATE. THE
 CONTRACTOR SHALL DETERMINE THE ACTUAL LOCATIONS BASED ON
 THE LENGTH OF SHEAR WALLS, TYPE OF HOLDOWN AND THE
 MANUFACTURES RECOMMENDED INSTALLATION.
- . ALL HOLDOWNS ARE TO BE INSTALLED IN PLACE PRIOR TO POURING CONCRETE.

REINFORCING STEEL

- 1. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 40 FOR #4 BARS AND SMALLER. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60 FOR #5 BARS AND LARGER. WELDED EIRE FABRIC IS TO BE ASTM A185 WITH LAPPING OF 1 1/2 SPACES.
- 2. ALL BARS SHALL BE DEFORMED PER ASTM A305.
- 3. ALL BARS SHALL BE CLEAN AND FREE OF LOOSE FLAKY RUST, GREASE OR OTHER BOND IMPAIRING MATERIALS.
- 4. ALL BENDS SHALL BE MADE COLD.
- 5. SPLICING OF BARS IN CONCRETE SHALL HAVE LAPPING OF 30 BAR DIAMETERS OR 24" WHICH EVER IS GREATER. SPLICING OF BARS IN MASONRY SHALL HAVE LAPPING OF 40 BAR DIAMETERS OR 24" WHICH EVER IS GREATER.
- ALL BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE. NO WET SETTING WILL BE ALLOWED.

ANCHOR BOLTS

- 1. TYPICAL SIZE AND SPACING SHALL BE 1/2" Ø WITH A MINIMUM OF 7" EMBED INTO THE FIRST CONCRETE POUR. BOLTS SHALL BE SPACED AT 72" O.C. MAX FOR SINGLE STORY AND 48" O.C. MAX FOR TWO STORY BUILDINGS.
- PLATE WASHERS A MINIMUM SIZE OF 3"X3"X0.229" SHALL BE USED ON EA. BOLT.
 FOUNDATION SILL SHALL BE BOLTED TO THE FOUNDATION OR FOUNDATION WALL AT ALL HOUSE AND GARAGE PERIMETER WALLS AND AT ALL INTERIOR SHEAR
- 4. FOUNDATION SILL AT INTERIOR NON-SHEAR WALLS MAY USE SHOT PINS FOR CONNECTION TO SLAB. SHOT PINS MUST BE 0.140" SHANK DIAMETER WITH 0.300" HEAD DIAMETER AND WASHER AND A MINIMUM OF 2.5" LONG.
- 5. ALL SILL PLATES MUST HAVE A MINIMUM OF ONE ANCHOR BOLT WITHIN 12" OF EACH END, OR TWO BOLTS BETWEEN HOLDOWNS.
- 6. AS A REPAIR FOR MISPLACED OR MISSING ANCHOR BOLTS SIMPSON TITEN HD (THD50600H) CONCRETE SCREW ANCHOR MAY BE USED. INSTALL ANCHORS PER MANUFACTURES SPECIFICATIONS.

TYPICAL LUMBER GRADES

- 1. 2X, 4X BEAMS, HEADERS AND POSTS DF#2 OR BETTER.
- 2. 6X BEAMS, HEADERS AND POSTS DF#1 OR BETTER
- 3. 2X JOISTS AND RAFTERS DF#2 OR BETTER
- 4. 2X STUDS 10' MAX HEIGHT DF#3 OR BETTER.
- 5. 2X4 STUDS 14' NONBEARING DF#2 OR BETTER.
- 6. 2X6 STUDS 15' MAX HEIGHT STUD GRADE OR BETTER.
- 7. 2X6 STUDS 20' NONBEARING DF#2 OR BETTER.
- 8. GLUE LAMINATED BEAMS 24F-V4 WITH 2000' RADIUS
- 9. PARALLEL STRAND LUMBER (PSL)
- Fb=2900 PSI Fv=290 PSI E=2.0X10^6 PSI 10. LAMINATED STRAND LUMBER (LVL)
- 10. LAMINATED STRAND LUMBER (LVL) Fb=2600 PSI Fv=285 PSI E=1.8X10^6 PSI

LICENSED ENGINEER ON ALL PAGES.

- 11. ROOF PLY. TO BE 15/32" CDX (32/16) OR 7/16" (40/20) OSB STAGGER JOINTS & RUN PERPENDICULAR TO ROOF FRAMING. NAIL WITH 8d'S 6" O.C. @ EDGES AND BOUNDARY 12" O.C. FIELD UNO. IF OSB IS USED, TERMINATE @ EAVES AND
- SHEATH EAVES IN EXTERIOR RATED PLYWOOD.

 12. FLOOR PLY. TO BE 3/4" T/G (48/24) OR EQUIVALENT OSB STAGGER JOINTS & RUN PERPENDICULAR TO FLOOR FRAMING. GLUE AND FASTEN WITH 8d'S O.C. @ EDGES AND BOUNDARY, 12" O.C. FIELD UNO.

MANUFACTURED WOOD TRUSS

- DESIGN AND FABRICATION SHALL BE PER CBC STANDARDS AND ALL ICBO
- 2. INCREASES IN ALLOWABLE STRESSES FOR ASSEMBLIES OF REPETITIVE
- FRAMING SHALL NOT BE ALLOWED.

 3. WHERE TRUSSES ARE INSTALLED AS BLOCKING, TRUSSES MUST BE DESIGNED
- TO TRANSMIT DIRECT AXIAL WALL LOADS.

 4. PROVIDE TRUSS DRAWINGS SHOWING TRUSSES, REQUIRED BLOCKING,
 BRACING AND HANGERS, CALCULATIONS WITH SIGNATURE OF RESPONSIBLE
- 5. INSTALL TRUSSES PER MANUFACTURES RECOMMENDATIONS AND THESE DRAWINGS.
- 6. ALL GABLE END TRUSSES SHALL BE STRUCTURAL TRUSSES WITH INFILL.
- ALL LATERAL WEB BRACING IS REQUIRED TO TERMINATE AT AN EXTERIOR BEARING WALL.
- 8. DO NOT ATTACH TRUSSES TO NONBEARING WALLS UNLESS USING SIMPSON STC CLIPS, UNLESS NOTED OTHERWISE ON PLAN.
- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY SITE DIMENSIONS TO THOSE OF THE TRUSS CALCULATIONS PRIOR TO ORDERING TRUSSES FOR THE PROJECT.

TYP. SHEAR WALL NOTES

- WHEN T-1-11 SIDING IS USED FOR SHEAR PLY. INSTALL DOUBLE STUDS STITCH NAILED W/ 16d'S @ 12" O.C. OR 3X MEMBER AT ALL PANEL JOINTS AND EDGE NAIL EACH PANEL AT JOINTS.
- 8d COMMON OR HOT DIPPED GALVANIZED NAILS TO BE (2 1/2" X 0.1331")
 ALL NAILS FASTENED TO PRESSURE TREATED LUMBER TO BE HOT DIPPED
- GALVANIZED.

 4. FOR SHEAR WALL TYPE D & E, FOUNDATION SILL PLATES AND ALL FRAMING RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN A SINGLE 3x MEMBER. NAILING TO 3x MEMBERS SHALL BE STAGGERED.

LUMBER AND CARPENTRY

- 1. ALL STRUCTURAL LUMBER SHALL BE GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES NO. 16 FOR WEST COAST LUMBER AND SHALL HAVE
- A MAXIMUM MOISTURE CONTENT OF 19%.

 2. ALL STRUCTURAL PLYWOOD SHALL BE STRUCTURAL II OR C-D GRADE WITH
- EXTERIOR GLUE UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL PLANS.

 STRUCTURAL PLYWOOD MAY BE SUBSTITUTED WITH AN EQUIVALENT APA RATED ORIENTED STRAND BOARD (OSB).
- ALL WOOD BEARING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR, REDWOOD OR OTHER APPROVED DECAY RESISTANT MATERIAL.
- 5. STRUCTURAL MEMBERS SHALL NOT BE CUT OR NOTCHED UNLESS SPECIFICALLY NOTED OR DETAILED OR IS IN ACCORDANCE WITH THE CBC
- SOLID BLOCKING SHALL BE PLACED BETWEEN JOISTS OR RAFTERS AT ALL SUPPORTS. EXCEPT WHEN LEDGERED.
- ALL NAILING TO BE PER CBC TABLE 2304.10.1, UNLESS OTHERWISE NOTED.
 PLYWOOD FLOOR AND ROOF SHEATHING SHALL BE LAID CONTINUOUS OVER TWO OR MORE SPANS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.
- STAGGER ALL PLYWOOD PANELS A MINIMUM OF 4'.

 9. FRAMING CONTRACTOR SHALL PROVIDE BACKING AS REQUIRED FOR ALL LIGHT FIXTURES CABINETS, WARDROBES, TOWEL BARS, HANDRAILS, ETC. AS REQUIRED AND REQUESTED BY THE GENERAL CONTRACTOR.
- 10. PROVIDE A 2X4 HEADER FOR ALL INTERIOR NONBEARING OPENINGS UP TO 36" IN WIDTH. PROVIDE A 4x4 HEADER FOR ALL INTERIOR NONBEARING OPENINGS 3' TO 6' IN WIDTH. USE A 4X6 HEADER FOR OPENINGS GREATER THAN 6'.
- PROVIDE SOLID BLOCKING FOR ALL FRAMING MEMBERS AT ALL SUPPORTS.
 BOLTS FOR TIMBER CONNECTIONS SHALL BE ASTM A307 MACHINE BOLTS UNLESS OTHERWISE NOTED. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- BOLT HOLES SHALL BE 1/16" SMALLER THAN THE BOLT DIAMETER.

 13. HOLES FOR LAG SCREW SHANK SHALL BE THE SAME DIAMETER AND LENGTH AS THE SHANK. THE REMAINING DEPTH OF THE PENETRATION SHALL BE 70% OF
- THE SHANK DIAMETER.

 14. PROVIDE MALLEABLE IRON WASHERS OR CUT PLATE WASHERS UNDER NUTS
- AND BOLT OR LAG SCREW HEADS THAT BEAR ON WOOD.

 15. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD PRE DRILL NAIL HOLES TO
- 75% OF THE NAIL SHANK DIAMETER.

 16. ALL BEAMS AND GIRDER TRUSSES TO BE SUPPORTED WITH FULL BEARING TO
- FOUNDATION UNLESS OTHERWISE NOTED.

 17. PROVIDE FURRING AS NECESSARY TO ALIGN NON-SHEAR WALLS WITH SHEAR
- WALLS AS REQUIRED.

 18. PROVIDE SOLID BLOCKING BETWEEN JOISTS AT BEARING WALLS AND AT SHEAR
- WALLS.

 19. EXCEPT WHERE PLANS SHOW SPECIFIC FRAMING ALL FRAMING SHALL COMPLY WITH THE CBC CHAPTER 23, CONVENTIONAL CONSTRUCTION PROVISIONS, AS A

TYPICAL FRAMING NOTES

MINIMUM.

- 1. ALL HEADERS @ INTERIOR BEARING WALLS & EXTERIOR WALLS ARE 4X12 OR
- 2. MULTIPLE 2X MEMBERS JOISTS, HEADERS AND BEAMS SHALL BE NAILED
- TOGETHER WITH 2 ROWS 16d'S @ 12" O.C.

 3. WHERE RAKED WALLS OCCUR ALL STUDS SHALL BE BALLOON FRAMED TO
- BOTTOM CORD OF TRUSS, RAFTER, ROOF SHEATHING OR CEILING JOIST.

 4. PROVIDE SOLID BLOCKING IN FLOOR CAVITY UNDER STRUCTURAL POSTS.
 PROVIDE MATCHING POSTS EXTENDING TO SUPPORTING BEAM OR FOUNDATION
- BELOW.

 5. ALL METAL HARDWARE NOTED ON THE PLANS ARE PRODUCTS OF SIMPSON
- STRONG-TIE COMPANY, INC. OR EQUIVALENT.

 6. RAFTERS SHALL BE NAILED TO ADJACENT CEILING JOISTS TO FORM A
 CONTINUOUS TIE. WHERE RAFTERS ARE NOT PARALLEL TO JOISTS, RAFTERS
 SHALL BE TIED TO MIN. 1X4 CROSS TIES AT 48" O.C. MAX.
- 7. WHERE GIRDER TRUSS OCCURS PROVIDED (2) 2X STUDS UNDER BEARING,
- UNLESS NOTED OTHERWISE.

 8. AT CALIFORNIA OVERFRAMING THE LOWER ROOF SHEATHING SHALL BE
- CONTINUOUS EXCEPT WHERE 22"X30" ACCESS IS REQ'D.

 9. ALL FASTENERS PENETRATING PRESSURE TREATED LUMBER TO BE HOT DIPPED
- GALVANIZED.

 10. SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING IN ACCORDANCE WITH CBC2304.10.3.

SHEAR WALL SCHEDULE



WALL SYSTEM STRENGTH: 173 PLF SEISMIC 242 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"Ø ANCHOR BOLT SPACING 72" W/ 2X P.T. SILL

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



WALL SYSTEM STRENGTH: 260 PLF SEISMIC 364 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"Ø ANCHOR BOLT SPACING 48" W/ 2X P.T. SILL

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



WALL SYSTEM STRENGTH: 361 PLF SEISMIC 505 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 24" W/ 2X P.T. SILL

SILL SHEAR TRANSFER NAILING 16d @ 3" O.C. (COMMON, BOX OR SINKER)



3/8" STRUCTURAL WOOD PANELS (BLCCKED)

I DPPED GALVANIZED)

4" O.C. @ EP GES 12" O.C. @ IELD

1/2"Ø ANCHOR BOLL SPACING 16" W/ 3X P.T. SILL 5/8"Ø ANCHOR BOLT SPACING 24" W/ 3X P.T. SILL

O. COMMON, BOX OR SINKER)

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

WALL SYSTEM STRENGTH: 960 PLF SEISMIC SEE NOTE 1 1344 WIND

2) SIDES

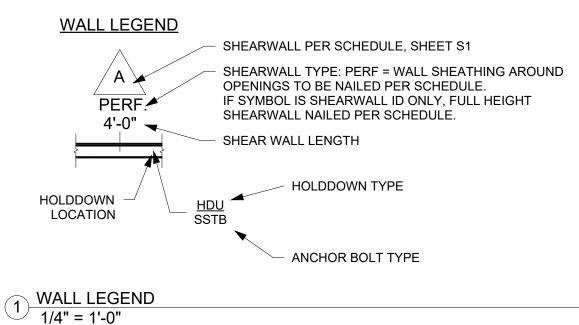
NAILING: 10d (COMMON OR HOT DIPPED GALVANIZED)

RANSFER NAILING (2) ROWS

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

1/2"Ø ANCHOR BOLT SPACING 13" W/ 3X P.T. SILL 5/8"Ø ANCHOR BOLT SPACING 18" W/ 3X P.T. SILL

SILL SHEAR TRANSFER NAILING (2) ROWS 16d @ 3" O.C. (COMMON, BOX OR SINKER)



PROJECT

www.oneshop.community

SHASTA COUNTY PRE-APPROVED

ADU 1 - 50 PSF SNOW LOAD

DATE X DESCRIPTION

DESCRIPTION

C 82567

EXP-09/30/24

EXP-09/30/24

CONSULTANT



AGENCY APPROVAL

COPYRIGHT © 2023

PROJ ARCH:

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FO DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

SET ISSUE DATE:

STRUCTURAL NOTES

S1

8/28/2023

Plot Date: 9/11/2023 5:11:22 PM File Name: \\HCEDESKTOP\Desktop\HCE\Jobs\2023\23-20 Shasta C SHEAR WALL SCHEDULE

WALL SYSTEM STRENGTH: 173 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

6" O.C. @ EDGES

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

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

4" O.C. @ EDGES

12" O.C. @ FIELD

3" O.C. @ EDGES

12" O.C. @ FIELD

SEE NOTE 1

SEE NOTE 1

(2) SIDES

SILL SHEAR TRANSFER NAILING 16d @ 3" O.C. (COMMON, BOX OR SINKER)

SILL SHEAR TRANSFER NAILING 16d

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

WALL SYSTEM STRENGTH: 361 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

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

WALL SYSTEM STRENGTH: 530 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

1/2"Ø ANCHOR BOLT SPACING 16" W/ 3X P.T. SILL

5/8"Ø ANCHOR BOLT SPACING 24" W/ 3X P.T. SILL

SILL SHEAR TRANSFER NAILING (2) ROWS

16d @ 4" O.C. (COMMON, BOX OR SINKER)

WALL SYSTEM STRENGTH: 960 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 10d (COMMON OR HOT DIPPED GALVANIZED)

1/2"Ø ANCHOR BOLT SPACING 13" W/ 3X P.T. SILL

5/8"Ø ANCHOR BOLT SPACING 18" W/ 3X P.T. SILL

SILL SHEAR TRANSFER NAILING (2) ROWS

16d @ 3" O.C. (COMMON, BOX OR SINKER)

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

WALL SYSTEM STRENGTH: 260 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

1/2"Ø ANCHOR BOLT SPACING 48" W/ 2X P.T. SILL

12" O.C. @ FIELD

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

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

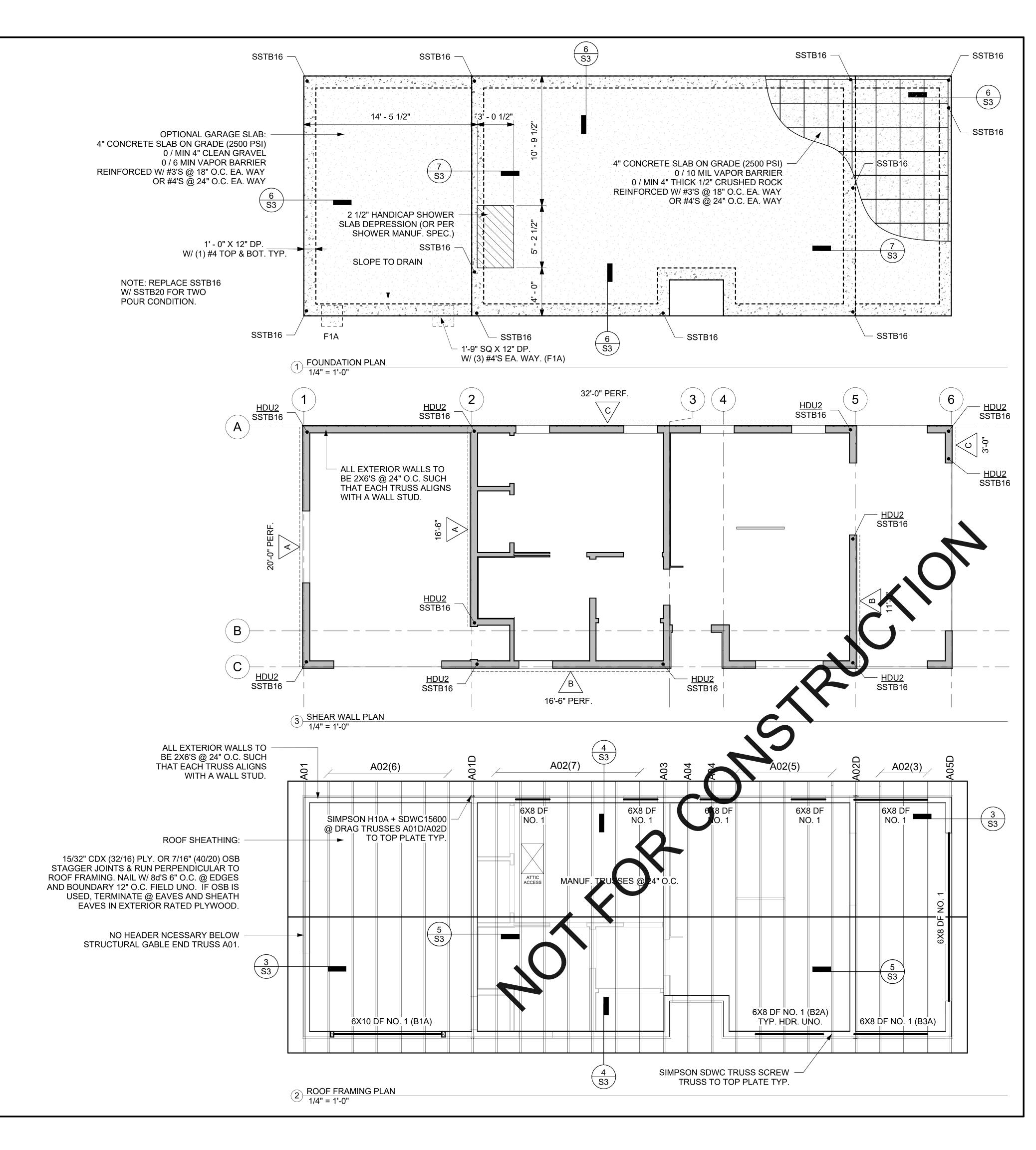
242 PLF WIND

364 PLF WIND

505 PLF WIND

743 PLF WIND

1344 WIND



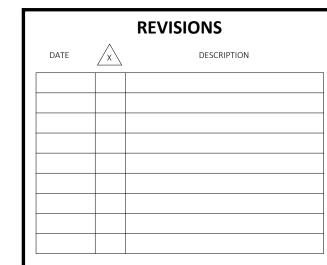


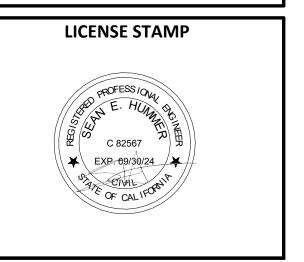
PROJECT



SHASTA COUNTY PRE-APPROVED ADUS

ADU 1 - 50 PSF SNOW LOAD







AGENCY APPROVAL

COPYRIGHT © 2023

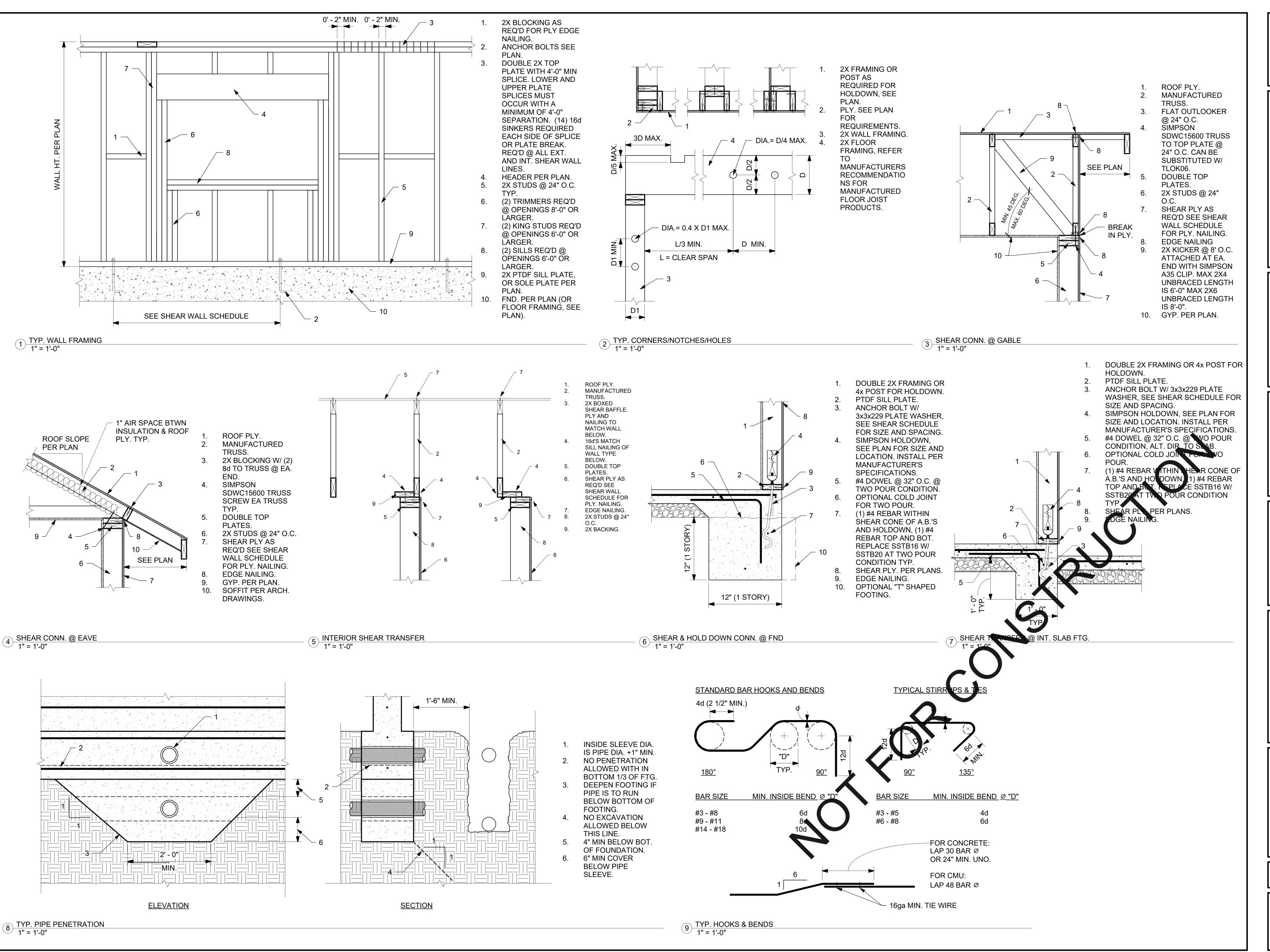
ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FOR DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH : SET ISSUE DATE:

8/28/2023

FOUNDATION, ROOF FRAMING & SHEAR WALL PLAN



www.oneshop.community

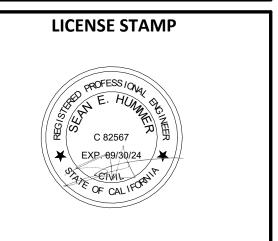
PROJECT



SHASTA COUNTY PRE-APPROVED **ADUS**

ADU 1 - 50 PSF SNOW LOAD

		REVISIONS
DATE	\sqrt{x}	DESCRIPTION





AGENCY APPROVAL

COPYRIGHT © 2023

STIPULATION FOR REUSE

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FO DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A NOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS, REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH: SET ISSUE DATE:

8/28/2023

FOUNDATION & FRAMING DETAILS

GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENTLY ACCEPTED EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND CBC STANDARDS.THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS.
- DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR 4. SIMILAR CONSTRUCTION SHOWN ON PLAN.
- TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE
- DRAWINGS. ALL PREFABRICATED CONNECTING HARDWARE SPECIFIED IS SIMPSON PRODUCTS OR APPROVED EQUAL SUCH AS USB. INSTALL PER MANUFACTURES SPECIFICATIONS FOR MAX LOADING
- THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF HUMMER CONSULTING ENGINEERING AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK AFFECTED.
- NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED, OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER IN ADVANCE OR AS SHOWN ON THESE DRAWINGS
- PROVIDE OPENINGS, CURBS, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ANY OF THESE DRAWINGS.
- DO NOT SCALE DRAWINGS. THESE DRAWINGS ARE NOT MEANT TO BE SCALED. CALL ENGINEER FOR ANY NEEDED CLARIFICATIONS.

DESIGN CRITERIA

- THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING CRITERIA: SEISMIC
 - SEISMIC IMPORTANCE FACTOR: 1
 - MAPPED SPECTRAL RESPONSE ACCELERATIONS:
 - Ss = 1.270, S1 = 0.430
 - SEISMIC SITE CLASS: D
 - SEISMIC RESPONSE COEFFICIENTS:
 - SDS = 1.020, SD1 = 0.650, Cs = 0.130 SEISMIC DESIGN CATEGORY: D
 - BASIC SEISMIC FORCE RESISTING SYSTEM:
 - LIGHT FRAMED SHEAR WALLS RESPONSE MODIFICATION FACTOR:

BEARING CAPACITY: 1500 PSF

- R = 6.5
- ANALYSIS PROCEDURE
- EQUIVALENT STATIC FORCE PROCEDURE
- WIND SPEED: 94 MPH
- WIND EXPOSURE: C
- LIVE LOADS:
- ROOF SNOW LOAD: 70 PSF D. SITE SOIL:

SITE WORK AND FOUNDATION

- FOUNDATION SOIL SHALL BE NATIVE UNDISTURBED SOIL OR ENGINEERED FILL AS PER THE PROJECT SOILS REPORT WHERE APPLICABLE. ALL ENGINEERED FILL SHALL BE SPECIAL INSPECTED AND A PAD CERTIFICATION FROM THE TESTING AGENCY SHALL BE PROVIDED.
- IF NO GEOTECHNICAL REPORT WAS PROVIDED, DESIGN IS BASED ON LOCAL JURISDICTION ALLOWABLES AND RECOMMENDATIONS. GRADING SHALL BE PROVIDED TO ACCOMPLISH A 5% SLOPE AWAY
- FROM STRUCTURE FOR A MINIMUM OF 10'. NO UTILITY TRENCHES SHALL BE ALLOWED NEAR THE BUILDING
- TRENCHES WHICH EXTEND DEEPER THAN A 45 DEGREE LINE PROJECTED DOWN AND AWAY FROM THE BOTTOM OUTSIDE CORNER OF ANY FOOTING.
- PLACE 20' REBAR IN FOUNDATION AND STUB UP ABOVE FINISHED CONCRETE AT POWER METER LOCATION

CONCRETE

- THE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 2500 PSI PER CBC.
- ALL CEMENT USED SHALL CONFORM TO ASTM C-150 STANDARDS. HORIZONTAL REINFORCING (FOOTING AND STEM WALL); MIN. (1) #4 REBAR 2" BELOW TOP OF STEM WALL AND 3" CLEAR ABOVE BOTTOM OF THE FOOTING AND AT 18" O.C. MAXIMUM HORIZONTAL SPACING
- CONCRETE SLABS SHALL BE A MINIMUM OF 3.5" THICK PER CBC. SLABS UNDER LIVING AREAS AND IN GARAGE SHALL BE REINFORCED WITH REINFORCING BAR OR WIRE MESH. PROVIDE WATERPROOF MEMBRANE BETWEEN SLAB AND ROCK BASE AT ALL LIVING AREAS OR AS RECOMMENDED BY SOILS REPORT.
- FINE AND COARSE AGGREGATE SHALL CONFORM TO ASTM C-33 FOR STANDARD WEIGHT CONCRETE AND ASTM C-330 FOR LIGHT WEIGHT
- CONCRETE. DRY PACK SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT TO NOT MORE THAN THREE PARTS SAND.
- CONCRETE SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 10 DAYS OR BY AN APPROVED CURING COMPOUND.

REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING

- PLANS FOR MISCELLANEOUS ITEMS TO BE CAST INTO CONCRETE AND FLOOR DEPRESSIONS, ETC.
- SEE ARCHITECTURAL PLANS FOR LOCATIONS OF EXPANSION JOINTS, SCORING, ETC. FOR CONCRETE WALKS, SLABS, AND OTHER FLAT
- CONCRETE FOR SLAB ON GRADE SHALL HAVE A MAXIMUM OF 4" SLUMP PER ASTM C-134. 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. CEMENT TO BE PER ASTM C-150 TYPE 1 OR TYPE 2.

HOLDOWNS

- ALL HOLDOWNS ARE SIMPSON STRONG-TIE OR EQUIVALENT. LOCATION OF HOLDOWNS ON PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LOCATIONS BASED ON THE LENGTH OF SHEAR WALLS, TYPE OF HOLDOWN AND THE MANUFACTURES RECOMMENDED INSTALLATION.
- ALL HOLDOWNS ARE TO BE INSTALLED IN PLACE PRIOR TO POURING CONCRETE.

REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 40 FOR #4 BARS AND SMALLER. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60 FOR #5 BARS AND LARGER. WELDED EIRE FABRIC IS TO BE ASTM A185 WITH LAPPING OF 1 1/2 SPACES.
- ALL BARS SHALL BE DEFORMED PER ASTM A305.
- ALL BARS SHALL BE CLEAN AND FREE OF LOOSE FLAKY RUST, GREASE OR OTHER **BOND IMPAIRING MATERIALS.**
- ALL BENDS SHALL BE MADE COLD.
- SPLICING OF BARS IN CONCRETE SHALL HAVE LAPPING OF 30 BAR DIAMETERS OR 24" WHICH EVER IS GREATER. SPLICING OF BARS IN MASONRY SHALL HAVE LAPPING OF 40 BAR DIAMETERS OR 24" WHICH EVER IS GREATER.
- ALL BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE, NO WET SETTING WILL BE ALLOWED.

ANCHOR BOLTS

- TYPICAL SIZE AND SPACING SHALL BE 1/2" Ø WITH A MINIMUM OF 7" EMBED INTO THE FIRST CONCRETE POUR. BOLTS SHALL BE SPACED AT 72" O.C. MAX FOR SINGLE STORY AND 48" O.C. MAX FOR TWO STORY BUILDINGS
- PLATE WASHERS A MINIMUM SIZE OF 3"X3"X0.229" SHALL BE USED ON EA. BOLT. FOUNDATION SILL SHALL BE BOLTED TO THE FOUNDATION OR FOUNDATION WALL AT ALL HOUSE AND GARAGE PERIMETER WALLS AND AT ALL INTERIOR SHEAR
- FOUNDATION SILL AT INTERIOR NON-SHEAR WALLS MAY USE SHOT PINS FOR CONNECTION TO SLAB. SHOT PINS MUST BE 0.140" SHANK DIAMETER WITH 0.300"
- HEAD DIAMETER AND WASHER AND A MINIMUM OF 2.5" LONG. ALL SILL PLATES MUST HAVE A MINIMUM OF ONE ANCHOR BOLT WITHIN 12" OF EACH END, OR TWO BOLTS BETWEEN HOLDOWNS
- AS A REPAIR FOR MISPLACED OR MISSING ANCHOR BOLTS SIMPSON TITEN HD (THD50600H) CONCRETE SCREW ANCHOR MAY BE USED. INSTALL ANCHORS PER MANUFACTURES SPECIFICATIONS

TYPICAL LUMBER GRADES

- 2X, 4X BEAMS, HEADERS AND POSTS DF#2 OR BETTER.
- 6X BEAMS, HEADERS AND POSTS DF#1 OR BETTER
- 2X JOISTS AND RAFTERS DF#2 OR BETTER
- 2X STUDS 10' MAX HEIGHT DF#3 OR BETTER 2X4 STUDS 14' NONBEARING DF#2 OR BETTER
- 2X6 STUDS 15' MAX HEIGHT STUD GRADE OR BETTER.
- 2X6 STUDS 20' NONBEARING DF#2 OR BETTER
- GLUE LAMINATED BEAMS 24F-V4 WITH 2000' RADIUS
- PARALLEL STRAND LUMBER (PSL)
- Fb=2900 PSI Fv=290 PSI E=2.0X10^6 PSI
- LAMINATED STRAND LUMBER (LVL) Fb=2600 PSI Fv=285 PSI E=1.8X10⁶ PSI
- 11. ROOF PLY. TO BE 15/32" CDX (32/16) OR 7/16" (40/20) OSB STAGGER JOINTS & RUN PERPENDICULAR TO ROOF FRAMING. NAIL WITH 8d'S 6" O.C. @ EDGES AND BOUNDARY 12" O.C. FIELD UNO. IF OSB IS USED, TERMINATE @ EAVES AND
- SHEATH EAVES IN EXTERIOR RATED PLYWOOD. FLOOR PLY. TO BE 3/4" T/G (48/24) OR EQUIVALENT OSB STAGGER JOINTS & RUN PERPENDICULAR TO FLOOR FRAMING. GLUE AND FASTEN WITH 8d'S O.C. @ EDGES AND BOUNDARY, 12" O.C. FIELD UNO.

MANUFACTURED WOOD TRUSS

- DESIGN AND FABRICATION SHALL BE PER CBC STANDARDS AND ALL ICBO
- INCREASES IN ALLOWABLE STRESSES FOR ASSEMBLIES OF REPETITIVE
- FRAMING SHALL NOT BE ALLOWED. WHERE TRUSSES ARE INSTALLED AS BLOCKING. TRUSSES MUST BE DESIGNED
- TO TRANSMIT DIRECT AXIAL WALL LOADS. PROVIDE TRUSS DRAWINGS SHOWING TRUSSES, REQUIRED BLOCKING,
- BRACING AND HANGERS, CALCULATIONS WITH SIGNATURE OF RESPONSIBLE LICENSED ENGINEER ON ALL PAGES. INSTALL TRUSSES PER MANUFACTURES RECOMMENDATIONS AND THESE
- DRAWINGS.
- ALL GABLE END TRUSSES SHALL BE STRUCTURAL TRUSSES WITH INFILL.
- ALL LATERAL WEB BRACING IS REQUIRED TO TERMINATE AT AN EXTERIOR **BEARING WALL**
- DO NOT ATTACH TRUSSES TO NONBEARING WALLS UNLESS USING SIMPSON STC CLIPS, UNLESS NOTED OTHERWISE ON PLAN.
- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY SITE DIMENSIONS TO THOSE OF THE TRUSS CALCULATIONS PRIOR TO ORDERING TRUSSES FOR THE PROJECT.

TYP. SHEAR WALL NOTES

- WHEN T-1-11 SIDING IS USED FOR SHEAR PLY. INSTALL DOUBLE STUDS STITCH NAILED W/ 16d'S @ 12" O.C. OR 3X MEMBER AT ALL PANEL JOINTS AND EDGE NAIL EACH PANEL AT JOINTS.
- 8d COMMON OR HOT DIPPED GALVANIZED NAILS TO BE (2 1/2" X 0.1331") ALL NAILS FASTENED TO PRESSURE TREATED LUMBER TO BE HOT DIPPED
- GALVANIZED. FOR SHEAR WALL TYPE D & E, FOUNDATION SILL PLATES AND ALL FRAMING RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN A SINGLE 3x MEMBER. NAILING TO 3x MEMBERS SHALL BE STAGGERED.

LUMBER AND CARPENTRY

- ALL STRUCTURAL LUMBER SHALL BE GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES NO. 16 FOR WEST COAST LUMBER AND SHALL HAVE
- A MAXIMUM MOISTURE CONTENT OF 19% ALL STRUCTURAL PLYWOOD SHALL BE STRUCTURAL II OR C-D GRADE WITH
- EXTERIOR GLUE UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL PLANS. STRUCTURAL PLYWOOD MAY BE SUBSTITUTED WITH AN EQUIVALENT APA RATED ORIENTED STRAND BOARD (OSB)
- ALL WOOD BEARING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR, REDWOOD OR OTHER APPROVED DECAY RESISTANT
- MATERIAL STRUCTURAL MEMBERS SHALL NOT BE CUT OR NOTCHED UNLESS
- SPECIFICALLY NOTED OR DETAILED OR IS IN ACCORDANCE WITH THE CBC SOLID BLOCKING SHALL BE PLACED BETWEEN JOISTS OR RAFTERS AT ALL SUPPORTS. EXCEPT WHEN LEDGERED
- ALL NAILING TO BE PER CBC TABLE 2304.10.1, UNLESS OTHERWISE NOTED. PLYWOOD FLOOR AND ROOF SHEATHING SHALL BE LAID CONTINUOUS OVER TWO OR MORE SPANS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.
- STAGGER ALL PLYWOOD PANELS A MINIMUM OF 4'. FRAMING CONTRACTOR SHALL PROVIDE BACKING AS REQUIRED FOR ALL LIGHT FIXTURES CABINETS, WARDROBES, TOWEL BARS, HANDRAILS, ETC. AS
- REQUIRED AND REQUESTED BY THE GENERAL CONTRACTOR 10. PROVIDE A 2X4 HEADER FOR ALL INTERIOR NONBEARING OPENINGS UP TO 36" IN WIDTH. PROVIDE A 4x4 HEADER FOR ALL INTERIOR NONBEARING OPENINGS 3' TO 6' IN WIDTH. USE A 4X6 HEADER FOR OPENINGS GREATER THAN 6'
- 11. PROVIDE SOLID BLOCKING FOR ALL FRAMING MEMBERS AT ALL SUPPORTS 12. BOLTS FOR TIMBER CONNECTIONS SHALL BE ASTM A307 MACHINE BOLTS UNLESS OTHERWISE NOTED. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION. BOLT HOLES SHALL BE 1/16" SMALLER THAN THE BOLT DIAMETER
- 13. HOLES FOR LAG SCREW SHANK SHALL BE THE SAME DIAMETER AND LENGTH AS THE SHANK. THE REMAINING DEPTH OF THE PENETRATION SHALL BE 70% OF THE SHANK DIAMETER.
- 14. PROVIDE MALLEABLE IRON WASHERS OR CUT PLATE WASHERS UNDER NUTS AND BOLT OR LAG SCREW HEADS THAT BEAR ON WOOD.
- 15. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD PRE DRILL NAIL HOLES TO
- 75% OF THE NAIL SHANK DIAMETER. 16. ALL BEAMS AND GIRDER TRUSSES TO BE SUPPORTED WITH FULL BEARING TO
- FOUNDATION UNLESS OTHERWISE NOTED. PROVIDE FURRING AS NECESSARY TO ALIGN NON-SHEAR WALLS WITH SHEAR
- WALLS AS REQUIRED.
- 18. PROVIDE SOLID BLOCKING BETWEEN JOISTS AT BEARING WALLS AND AT SHEAR
- 19. EXCEPT WHERE PLANS SHOW SPECIFIC FRAMING ALL FRAMING SHALL COMPLY WITH THE CBC CHAPTER 23, CONVENTIONAL CONSTRUCTION PROVISIONS, AS A MINIMUM.

TYPICAL FRAMING NOTES

- 1. ALL HEADERS @ INTERIOR BEARING WALLS & EXTERIOR WALLS ARE 4X12 OR
- MULTIPLE 2X MEMBERS JOISTS, HEADERS AND BEAMS SHALL BE NAILED
- TOGETHER WITH 2 ROWS 16d'S @ 12" O.C. WHERE RAKED WALLS OCCUR ALL STUDS SHALL BE BALLOON FRAMED TO
- BOTTOM CORD OF TRUSS, RAFTER, ROOF SHEATHING OR CEILING JOIST PROVIDE SOLID BLOCKING IN FLOOR CAVITY UNDER STRUCTURAL POSTS PROVIDE MATCHING POSTS EXTENDING TO SUPPORTING BEAM OR FOUNDATION
- BELOW. ALL METAL HARDWARE NOTED ON THE PLANS ARE PRODUCTS OF SIMPSON
- STRONG-TIE COMPANY, INC. OR EQUIVALENT. RAFTERS SHALL BE NAILED TO ADJACENT CEILING JOISTS TO FORM A CONTINUOUS TIE. WHERE RAFTERS ARE NOT PARALLEL TO JOISTS. RAFTERS
- SHALL BE TIED TO MIN. 1X4 CROSS TIES AT 48" O.C. MAX. WHERE GIRDER TRUSS OCCURS PROVIDED (2) 2X STUDS UNDER BEARING,
- UNLESS NOTED OTHERWISE AT CALIFORNIA OVERFRAMING THE LOWER ROOF SHEATHING SHALL BE

SHEATHING IN ACCORDANCE WITH CBC2304.10.3.

- CONTINUOUS EXCEPT WHERE 22"X30" ACCESS IS REQ'D. ALL FASTENERS PENETRATING PRESSURE TREATED LUMBER TO BE HOT DIPPED
- GALVANIZED. 10. SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE

SHEAR WALL SCHEDULE



WALL SYSTEM STRENGTH: 173 PLF SEISMIC 242 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"Ø ANCHOR BOLT SPACING 72" W/ 2X P.T. SILL

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



WALL SYSTEM STRENGTH: 260 PLF SEISMIC 364 PLF WIND

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

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

1/2"Ø ANCHOR BOLT SPACING 48" W/ 2X P.T. SILL

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



WALL SYSTEM STRENGTH: 361 PLF SEISMIC 505 PLF WIND

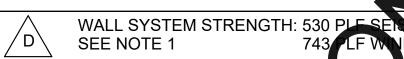
3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

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

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

SILL SHEAR TRANSFER NAILING 16d @ 3" O.C. (COMMON, BOX OR SINKER)



3/8" STRUCTURAL WOOD PA

I DPPED GALVANIZED)

4" O.C. @ ED GES 12" O.C. @ **[**IELD |

PACING 16" W/ 3X P.T. SILL 1/2"Ø ANCHOR 5/8" AN HOR BOLT SPACING 24" W/ 3X P.T. SILL

RANSFER NAILING (2) ROWS O. COMMON, BOX OR SINKER)

1344 WIND 3/8" STRUCTURAL WOOD PANELS (BLOCKED)

L SYSTEM STRENGTH: 960 PLF SEISMIC

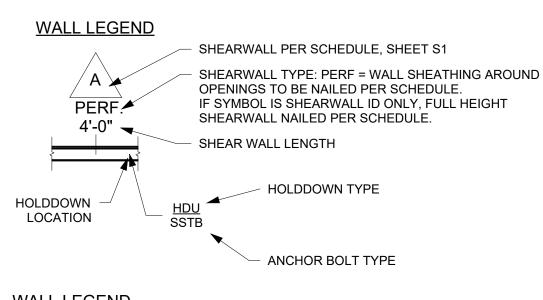
NAILING: 10d (COMMON OR HOT DIPPED GALVANIZED)

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

SIDES

1/2"Ø ANCHOR BOLT SPACING 13" W/ 3X P.T. SILL 5/8"Ø ANCHOR BOLT SPACING 18" W/ 3X P.T. SILL

SILL SHEAR TRANSFER NAILING (2) ROWS 16d @ 3" O.C. (COMMON, BOX OR SINKER)



1 WALL LEGEND 1/4" = 1'-0"



PROJECT



SHASTA COUNTY PRE-APPROVED

ADU 1 - 70 PSF SNOW LOAD

REVISIONS

LICENSE STAMP

C 82567



AGENCY APPROVAL

HUMMER CONSULTING

ENGINEERING

CIVIL I STRUCTURAL

COPYRIGHT © 2023

PROJ ARCH:

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, NCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF NALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS (NOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED, DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN

TIPULATION FOR REUSE HIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FO ISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A NOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS, REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNT AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

SET ISSUE DATE:

8/28/2023

STRUCTURAL NOTES

SHEAR WALL SCHEDULE

WALL SYSTEM STRENGTH: 173 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

6" O.C. @ EDGES

6" O.C. @ EDGES

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

4" O.C. @ EDGES

12" O.C. @ FIELD

3" O.C. @ EDGES

12" O.C. @ FIELD

SEE NOTE 1

SEE NOTE 1

(2) SIDES

SILL SHEAR TRANSFER NAILING 16d @ 3" O.C. (COMMON, BOX OR SINKER)

SILL SHEAR TRANSFER NAILING 16d

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

WALL SYSTEM STRENGTH: 361 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

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

WALL SYSTEM STRENGTH: 530 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

1/2"Ø ANCHOR BOLT SPACING 16" W/ 3X P.T. SILL

5/8"Ø ANCHOR BOLT SPACING 24" W/ 3X P.T. SILL

SILL SHEAR TRANSFER NAILING (2) ROWS 16d @ 4" O.C. (COMMON, BOX OR SINKER)

WALL SYSTEM STRENGTH: 960 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 10d (COMMON OR HOT DIPPED GALVANIZED)

1/2"Ø ANCHOR BOLT SPACING 13" W/ 3X P.T. SILL

5/8"Ø ANCHOR BOLT SPACING 18" W/ 3X P.T. SILL

SILL SHEAR TRANSFER NAILING (2) ROWS

16d @ 3" O.C. (COMMON, BOX OR SINKER)

12" O.C. @ FIELD

SILL SHEAR TRANSFER NAILING 16d

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

WALL SYSTEM STRENGTH: 260 PLF SEISMIC

3/8" STRUCTURAL WOOD PANELS (BLOCKED)

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

1/2"Ø ANCHOR BOLT SPACING 48" W/ 2X P.T. SILL

12" O.C. @ FIELD

NAILING: 8d (COMMON OR HOT DIPPED GALVANIZED)

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

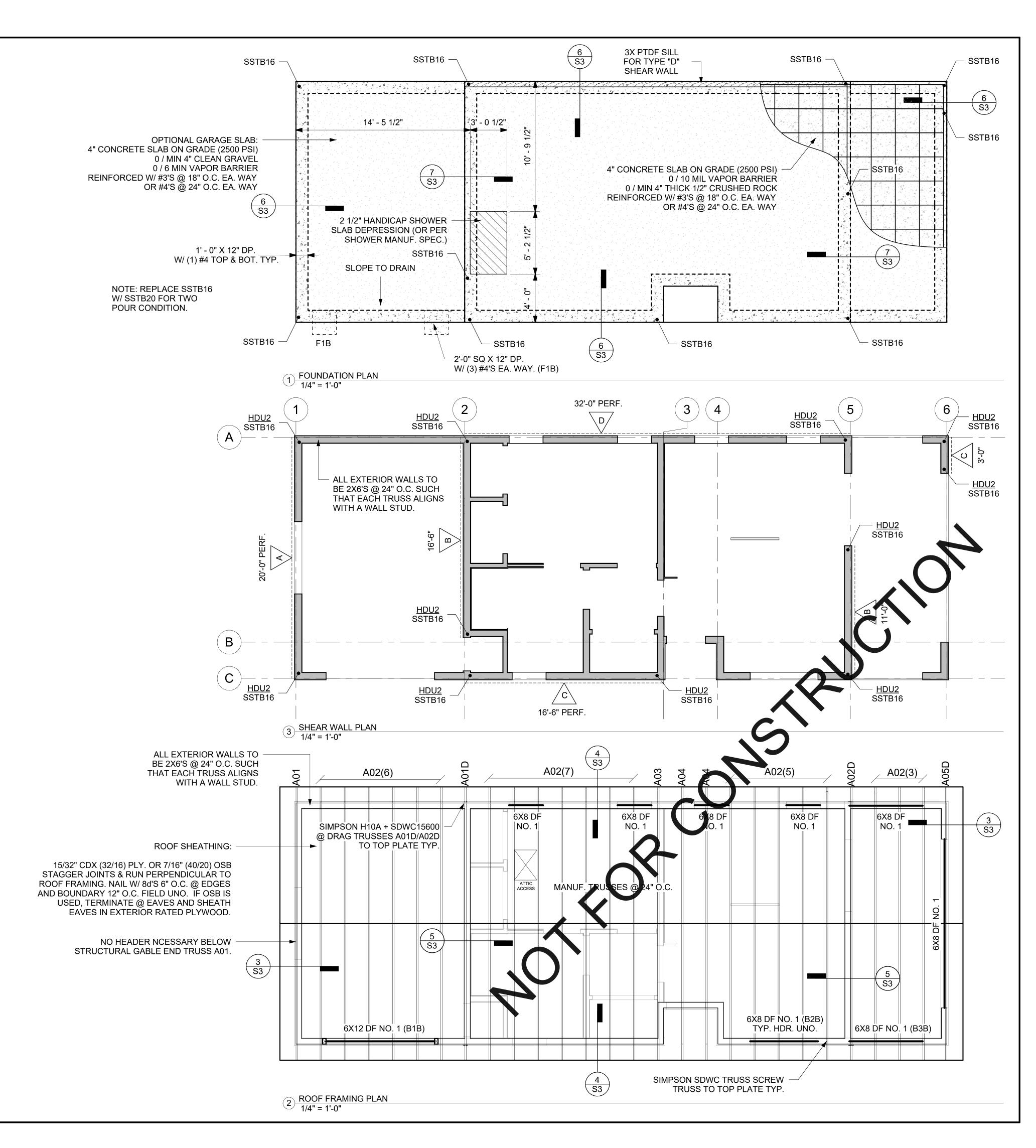
242 PLF WIND

364 PLF WIND

505 PLF WIND

743 PLF WIND

1344 WIND





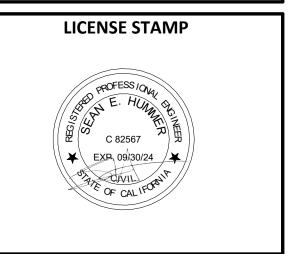
PROJECT

SHASTA COUNTY PRE-APPROVED ADUS

ADU 1 - 70 PSF SNOW LOAD

REVISIONS

DATE X DESCRIPTION





AGENCY APPROVAL

COPYRIGHT © 2023

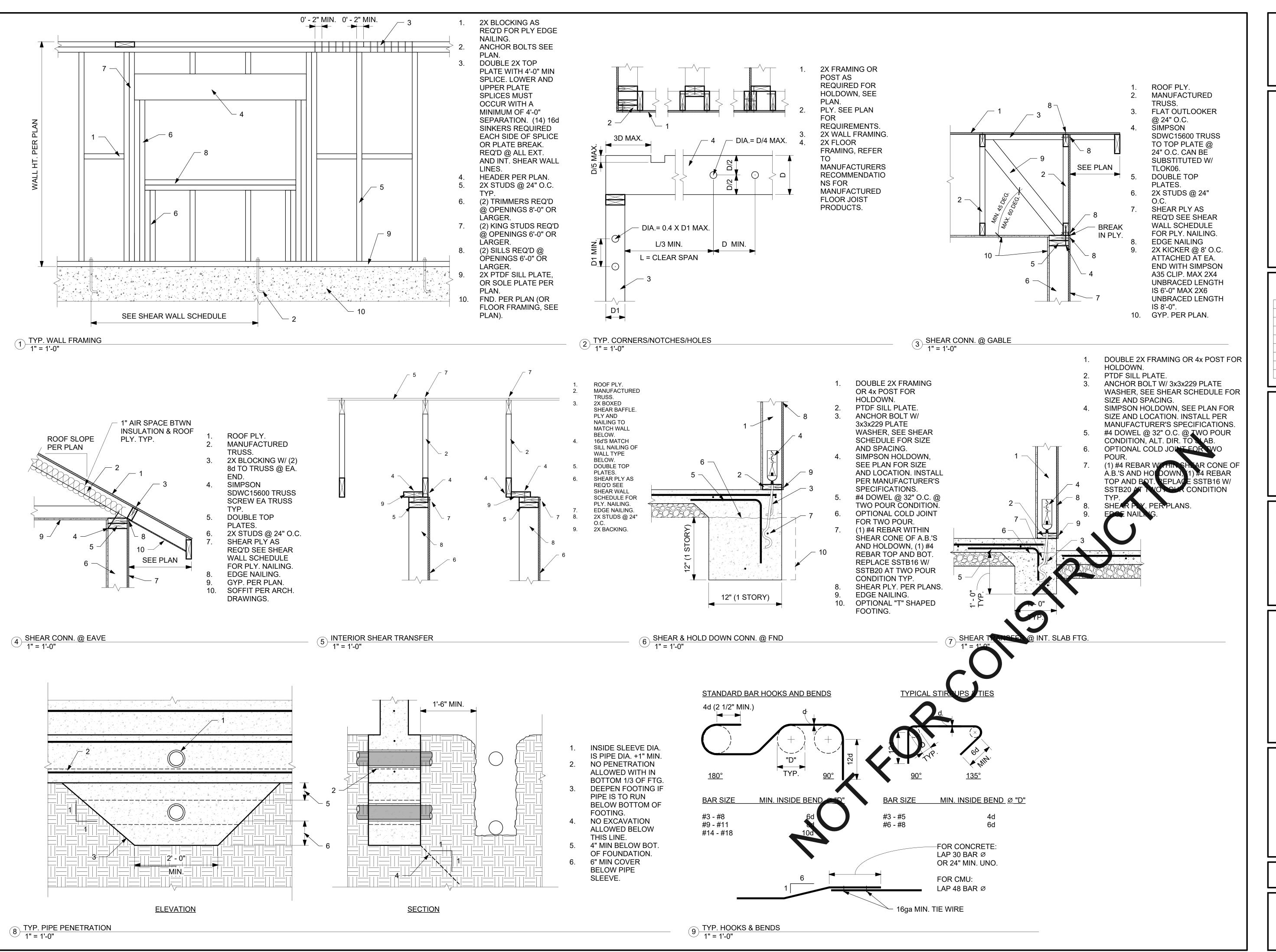
ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FOR DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH : SET ISSUE DATE:

8/28/2023

FOUNDATION, ROOF FRAMING & SHEAR WALL PLAN



ONESHOP.community

PROJECT

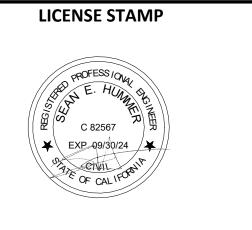


SHASTA COUNTY PRE-APPROVED ADUS

ADU 1 - 70 PSF SNOW LOAD

REVISIONS

DATE X DESCRIPTION





AGENCY APPROVAL

COPYRIGHT © 2023

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION,

INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY **ONESHOP** PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FOR DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

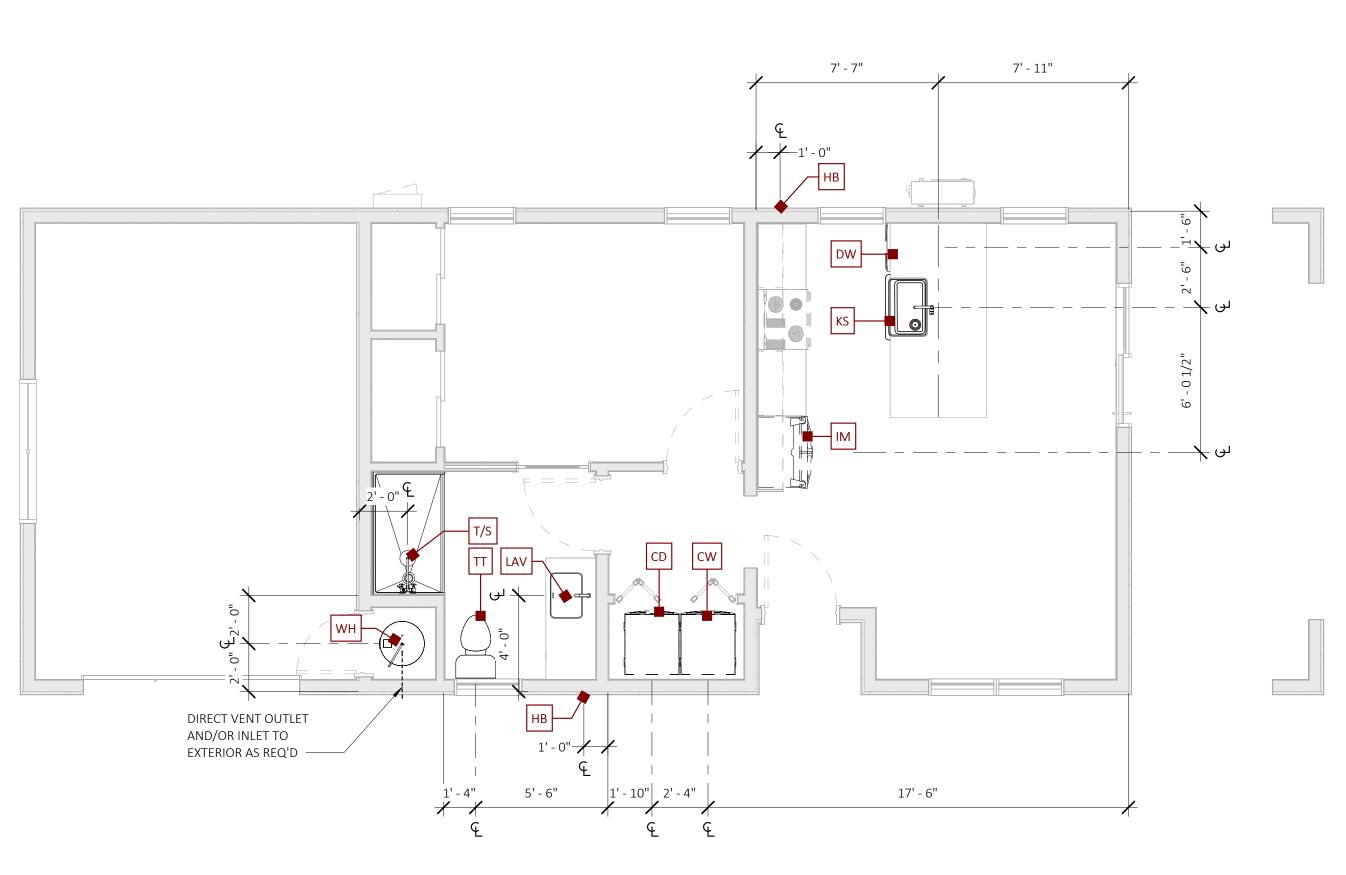
PROJ ARCH : SET ISSUE DATE:

STIPULATION FOR REUSE

8/28/2023

FOUNDATION & FRAMING

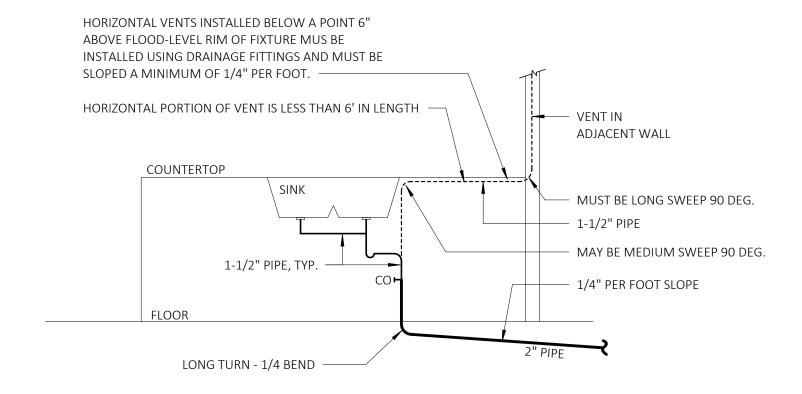
DETAILS

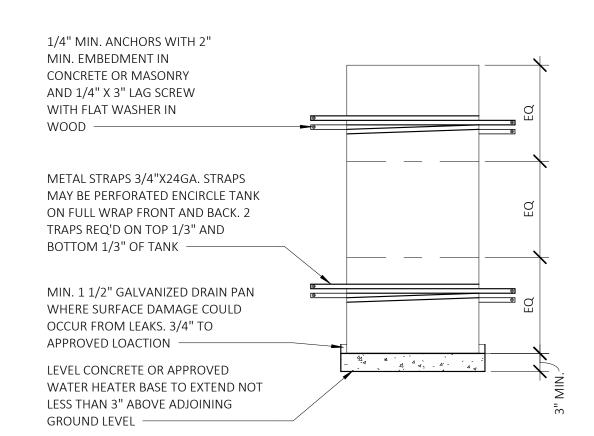


1

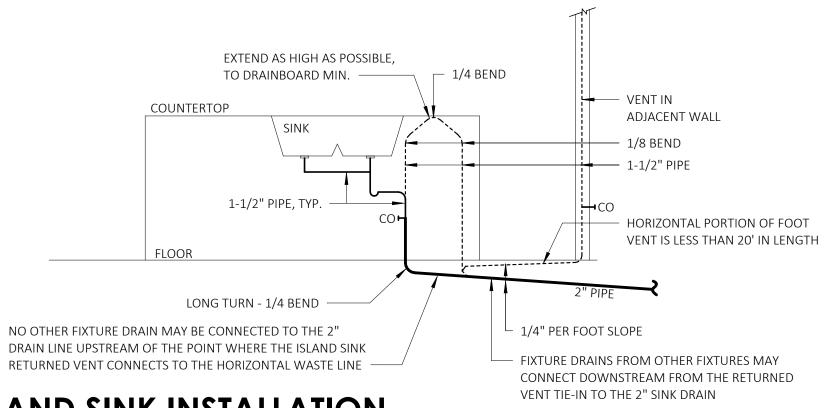
PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"





PENINSULA SINK INSTALLATION



ISLAND SINK INSTALLATION

PER 2022 CPC SECTION 909.0, DETAILS FROM IAPMO REFERENCE GUIDE, FIGURED 909.1A AND 909.1B

WATER HEATER STRAP DETAIL

SCALE: 3/4" = 1'-0"

3 ISLAND LOOP VENT DETAIL

PIPING EQUIPMENT SCHEDULE TOILETS OWNER OPTION - CERAMIC GRAVITY TANK TOILET 1.28 GALLONS PER FLUSH MAXIMUM **LAVATORIES** OWNER OPTION -FAUCET - 1.2 GPM AT 60 PSI MAXIMUM / 0.8 GPM AT 20 PSI MIN TUB / SHOWER OWNER OPTION -SHOWER HEAD - 1.8 GPM AT 80 PSI MAXIMUM (TUB & SHOWER VALVES WITH SCAULD GUARD AND PRESSURE KITCHEN SINK OWNER OPTION -FAUCET - 1.8 GPM AT 60 PSI ICE MAKER OWNER OPTION VALVE BOX RECESSED BOX WITH 1/4 TURN BALL VALVE CW CLOTHES GUY GREY FR-12 FIRE-RATED METAL BOX (OR EQUAL) WITH WASHER WATER HAMMER ARRESTORS RECESSED BOX WITH 1/4 TURN **OUTLET BOX** BALL VALVE CONNECTIONS 2" DRAIN OUTLET SET 48" A.F.F. **CLOTHES** OWNER OPTION -DRYER WATER HYBRID ELECTRIC TANK - RE: ENERGY DOCUMENTS HEATER 40 GALLON RHEEM HPLD401RH DIRECT VENT INLET & OUTLET THROUGH EXTERIOR WALL **HOSE BIB** FROST-FREE, SELF-DRAINING FIRE PROTECTION | WILKINS 975 (OR EQUAL) REDUCED PRESSURE PRINCIPAL DETECTOR, SIZE - 2" WITH **BACK FLOW** PREVENTOR STRAINER **DOMESTIC** WILKINS 975XL (OR EQUAL) REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTOR, WATER **BACKFLOW** SIZE - 1 1/2" WITH STRAINER **PREVENTOR** WATER OWNER OPTION TO ADD, RECOMMENDED-**PURIFIER** NOT SHOWN MINIMUM 1-1/2" DIAMETER FIRE SPINKLER RISER FIRE SPRINKLER RE: DEFERRED APPROVAL WHERE REQUIRED RISER DISHWASHER OWNER OPTION -INSTALL DISHWASHER ON SHEET METAL PAN WITH 1-1/2" DRAIN TO EXTERIOR. PRIME DRAIN TRAP W/ MINERAL OIL & TAPE PAN ON (3) SIDES TO WALL AND CABINETS **UTILITY SINK** OWNER OPTION -FAUCET - 1.8 GPM AT 60 PSI **CLEAN-OUT** PLUMBER OPTION -

HOT WATER DIST. SYSTEMS

MANDATORY REQUIREMENTS FOR HOT WATER DISTRIBUTION SYSTEMS

PIPE INSULATION FOR ALL BUILDINGS

- 1. ALL DOMESTIC HOT WATER SYSTEM PIPING CONDITIONS LISTED BELOW, WHETHER BURIED OR UNBURIED, MUST BE INSULATED PER CNC TABLE 120.3-A.
- A. THE FIRST 5 FEET (1.5 METERS) OF HOT AND COLD WATER PIPES FROM THE STORAGE
- TANK.

 B. ALL PIPING WITH A NOMINAL DIA. OF 3/4" (19 MILLIMETERS) OR LARGER
- C. ALL PIPING ASSOCIATED WITH A DOMESTIC HOT WATER RE-CIRCULATION SYSTEM REGARDLESS OF THE PIPE DIA.
- D. PIPING FROM THE HEATING SOURCE TO THE STORAGE TANK OR BETWEEN TANKS.
- E. PIPING BURIED BELOW GRADE.F. ALL HOT WATER PIPES FROM THE HEATING SOURCE TO THE KITCHEN SINK.

IN ADDITION TO INSULATION REQUIREMENTS, ALL DOMESTIC HOT WATER PIPES THAT ARE BURIED BELOW GRADE MUST BE INSTALLED IN A WATERPROOF AND NONCRUSHABLE CASING OR SLEEVE

SHEET NOTES

- A. PLUMBING CODE ANALYSIS REFER SHEETS G4.0.
- B. ALL DIMENSIONS ARE FROM THE EXTERIOR FACE OF THE FOUNDATION OR FACE OF STUD
- C. ANCHOR OR STRAP WATER HEATER TO RESIST EARTHQUAKE MOTION. CPC SECTION 507.2
- D. WATER OUTLETS WITH HOSE ATTACHMENTS AND HOSE BIBS MUST HAVE APPROVED NONREMOVABLE TYPE BACK FLOW PREVENTION DEVICES INSTALLED. CPC SECTION 603.5.7.
- E. PROVIDE MINIMUM OF 1/4" PER FT. SLOPE FOR HORIZONTAL DRAINAGE PIPE. CPC SECTION 708.
- F. NO VENT FROM INDIRECT WASTE PIPING SHALL COMBINE WITH A SEWER CONNECTED VENT, BUT SHALL EXTEND SEPARATELY TO OUTSIDE AIR. CPC SECTION 803.
- G. CLOTHES WASHER STANDPIPE RECEPTOR SHALL EXTEND BETWEEN 18 AND 30 INCHES ABOVE ITS TRAP. THE TRAP SHALL BE BETWEEN 6 AND 18 INCHES ABOVE THE FLOOR. PER CPC 804
- I. PRESSURE TEMPERATURE RELIEF VALVES SHALL TERMINATE OUTSIDE THE BUILDING WITHIN 6 TO 24 INCHES OF THE GROUND AND POINTING DOWN. SUCH DRAIN MAY TERMINATE AT OTHER APPROVED LOCATIONS. CPC SECTION 608.5(3).
- I. CLEAN OUTS SHALL BE PLACED INSIDE THE BUILDING NEAR THE CONNECTION BETWEEN THE BUILDING DRAIN AND THE BUILDING SEWER OR INSTALLED OUTS DE THE BUILDING AT THE LOWER END OF THE BUILDING DRAIN AND EXTENDED TO ADD SPC SECTION 719.

PROVIDE BONDING FROM COLD TO HOT WATER PIP JG TO COMPLY WITH NEC SECTION 250.90

- K. NO DOMESTIC DISHWASHER SHALL BE CONNECTED TO A DRAINAGE SYSTEM OR FOOD WASTE DISPOSER WITHOUT THE USE OF AN APPROVED DISHWASHER AIR GAP FITTING. CPC SECTION 807.3.
- L. SHOWER VALVES SHALL BE AN INDIVIDUAL CONTROL VALVE OF THE PRESSURE BALANCE OR THERMOSTATIC MIXING VALVE TYPE. HANDLE POSITION STOPS SHALL BE PROVIDED ON SUCH VALVES TO LIMIT IN EMPERATURE OF 120 DEGREES FARENHELD SECTION 38.3.
- M. WATER CLOSE TO BE MIXIMUM 1.28 GALLONS PER FLUSH. CPC 411.2
- N. SHOWE AN TUB-SHOWER COMBINATIONS SHALL HAVE INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING VALVE TYPE. CPC 408.3
- EIRST HOLD RATING (GALLONS) OF THE WATER HEATER AS SHOWN IN CPC TABLE 501.1
- HEATERS (GENERATING A GLOW, SPARK OR FLAME CAPABLE OF IGNITING LAMABLE VAPORS) SHALL BE INSTALLED 18 INCHES MINIMUM ABOVE THE GARAGE R. CPC 507.13
- PROVIDE PROTECTION FOR WATER HEATER IN GARAGE TO PREVENT FROM VEHICLE IMPACT (e.g., BOLLARD) CPC 507.13.1
- R. PRIOR TO FINAL PERMIT APPROVAL THE PERMIT APPLICANT SHALL REPLACE ALL NON COMPLIANT PLUMING FIXTURES WITH WATER-CONSERVING PLUMBING FIXTURES. SEC 1101.1-1101.9 CALIFORNIA CIVIL CODE

PIPING MATERIAL SCHEDULE

LABEL	FIXTURE	WASTE	VENT	CW	HW	CLEANOUT
WC	WATER CLOSET	3"	2"	1/2"	-	YES
LAV	LAVATORY	2"	1 1/2"	1/2"	1/2"	YES
T/S	TUB/SHOWER	2"	1 1/2"	1/2"	1/2"	YES
S	SINK	2"	1 1/2"	1/2"	1/2"	YES
D.W.	DISHWASHER	2"	1 1/2"	1/2"	1/2"	NO
CW	CLOTHES WASHER	2"	1 1/2"	1/2"	1/2"	NO
WH	WATER HEATER	-	1 1/2"	3/4"	3/4"	NO
НВ	HOSE BIB	-	-	3/4"	-	NO

NOT ALL ITEMS MAY BE USED

Www.oneshop.community

PROJECT

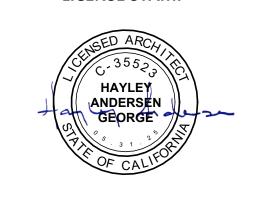


SHASTA COUNTY PRE-APPROVED ADUS

ADU 1 - PACIFIC CREST COTTAGE

	REVISIONS						
DATE	X	DESCRIPTION					

LICENSE STAMP



CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

PROJ ARCH:

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

THIS DRAWING WAS PREPARED IN CONTRACT WITH SHASTA COUNTY FO DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

SET ISSUE DATE: 8/7/2023

PLUMBING PLAN

P2.0

Plot Date: 8/31/2023 8:30:10 PM

ELECTRICAL NOTES

- GROUND-FAULT CIRCUIT-INTERRUPTION PROTECTION FOR PERSONNEL SHALL BE PROVIDED AS REQUIRED IN CEC 210.8(A) THROUGH (C). THE GROUND- FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.
 - A. BATHROOMS
- B. GARAGES, ACCESSORY STORAGE OR SIM. BUILDINGS
- C. OUTDOORS & ROOFTOPS
- D. CRAWL SPACES
- E. UNFINISHED BASEMENTS F. ALL RECEPTACLES WITHIN 6' OF A TUB. SHOWER. OR SINK
- G. KITCHENS RECEPTACLES SERVING COUNTERTOP SURFACES
- H. LAUNDRY/UTILITY ROOM I. DISHWASHERS
- BRANCH CIRCUITS FOR LIGHTING AND FOR APPLIANCES SHALL BE PROVIDED TO SUPPLY THE LOADS CALCULATED IN ACCORDANCE WITH CEC 220.10 IN ADDITION BRANCH CIRCUITS SHALL BE PROVIDED FOR SPECIFIC LOADS NOT COVERED BY CEC 220.10 WHERE REQUIRED ELSEWHERE IN THIS CODE AND FOR DWELLING UNIT LOADS A SPECIFIED IN CEC 210.11(C)
- IN ADDITION TO THE NUMBER OF BRANCH CIRCUITS REQUIRED BY OTHER PARTS OF SECTION 210, TWO OR MORE 20-AMPERE SMALL APPLIANCE BRANCH CIRCUITS SHALL BE PROVIDED FOR ALL RECEPTACLE OUTLETS SPECIFIED BY CEC 210.52(B). AL LEAST ONE ADDITIONAL 20-AMP CIRCUIT SHALL BE PROVIDED TO SUPPLY THE LAUNDRY OUTLETS REQUIRED BY CEC 210.52(F). AT LEAST ONE 120 VOLT, 20 AMPERE CIRCUIT SHALL BE PROVIDED TO SUPPLY BATHROOM OUTLETS. THESE CIRCUIT SHALL HAVE NO OTHER OUTLETS.
- IN EA. ATTACHED GARAGE AND EA. DETACHED GARAGE RECEPTACLE OUTLETS MUST HAVE A SEPARATE BRANCH CIRCUIT WITH AT LEAST ONE RECEPTACLE FOR EACH CAR PARKING SPACE. CEC 210.52(G) OUTDOOR WEATHER PROOF 15 OR 20 AMP, 125 OR 250 VOLT RECEPTACLES MUST BE LISTED AS WEATHER-RESISTANT TYPE WHEN THE PLUG IS INSERTED. CEC 406.9 (B)
- ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION PER CEC 210.12 SHALL BE PROVIDED AS REQUIRED IN CEC 210.12(A)(B) AND (C), THE ARC FAULT DEVICE SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION. ALL 120-VOLT, SINGLE PHASE, 15 AND 20 AMPERE BRANCH CIRCUITS SUPPLY OUTLETS OR DEVICES INSTALLED IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, REC ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY MEANS DESCRIBED IN CEC 210.12(A)(1)-(6).
- THE MAXIMUM LENGTH OF THE BRANCH CIRCUIT TO THE AFCI IS 50' FOR 14 AWG CONDUCTORS OR 70' FOR 12 AWG CONDUCTOR CEC 210.12
- GROUND FAULT PROTECTION OF BRANCH CIRCUIT(S) 1000 AMPS OR MORE AND OVER 150V TO GROUND IS REQUIRED CEC 210.13.
- AN OUTLET INSTALLED FOR THE PURPOSE OF CHARGING ELECTRIC VEHICLES SHALL BE SUPPLIED BY A SEPARATE BRANCH CIRCUIT. THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS.
- BRANCH CIRCUIT CONDUCTORS MIN. AMPACITY AND SIZE PER CEC 210.19(A) & (B). 210.19 (A) (1) GENERAL. BRANCH CIRCUIT CONDUCTORS SHALL HAVE AN AMPACITY NOT LESS THAN THE MAXIMUM LOAD TO BE SERVED. CONDUCTORS SHALL BE SIZED TO CARRY NOT LESS THAN THE LARGER OF CEC 210.19(A)(1)(a) OR (b).
- 10. OVERCURRENT PROTECTION PER CEC 210.20 BRANCH-CIRCUIT CONDUCTORS AND EQUIPMENT SHALL BE PROTECTED BY OVERCURRENT PROTECTIVE DEVICES THAT HAVE A RATING OR SETTING THAT COMPLIES WITH CEC 210.20(A)-(D).
- L1. OUTLET DEVICES SHALL HAVE AN AMPERE RATING THAT IS NOT LESS THAN THE LOAD TO BE SERVED AND SHALL COMPLY WITH CEC 210.21(A) & (B).
- 2. AN INDIVIDUAL BRANCH CIRCUIT SHALL BE PERMITTED TO SUPPLY ANY LOAD FOR WHICH IT IS RATED, BUT IN NO CASE SHALL THE LOAD EXCEED THE BRANCH-CIRCUIT AMPERE RATING. CEC 210.22 MULTIPLE-OUTLET PERMISSIBLE LOADS PER CEC 210.23.
- RECEPTACLE OUTLETS PER CEC 210.52 (A)(1) SPACING, RECEPTACLES SHALL BE INSTALLED SUCH THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE OF ANY WALL SPACE IS MORE THAN 6' FROM AN OUTLET IN EVERY KITCHEN, FAMILY ROOM, DINING ROOM, LIVING ROOM, PARLOR, LIBRARY, DEN, SUNROOM, BEDROOM, REC. ROOM, OR SIM.
- 14. KITCHEN RECEPTACLES PER CEC 210.52 (3)(C)(1) A RECEPTACLE OUTLET SHALL BE INSTALLED AT EA. WALL COUNTERTOP SPACE THAT IS 12" OR WIDER. (3)(C)(2)AT LEAST ONE RECEPTACLE SHALL BE INSTALLED AT EACH ISLAND COUNTERTOP SPACE WITH A DIMENSION OF 24" OR GREATER AND A SHORT DIMENSION OF 12" OR GREATER. (3)(C)(3) AT LEAST ONE RECEPTACLE OUTET SHALL BE INSTALLED AT EA. PENINSULAR COUNTERTOP SPACE WITH A LONG DIMENSION OF 24" OR GREATER AND A SHORT DIMENSION OF 12" OR GREATER.
- . BATHROOMS TO HAVE AT LEAST ONE RECEPTACLE OUTLET INSTALLED IN WITHIN 3 FEET OF THE OUTSIDE EDGE OF EACH BASIN ADJACENT TO THE BASIN OR BASIN COUNTERTOP CEC
- 6. OUTDOOR RECEPTACLE OUTLETS SHALL BE INSTALLED IN ACCORDANCE WITH CEC 210.52(E)(1)-(E)(3) AT LEAST ONE RECEPTACLE READILY ACCESSIBLE FROM GRADE AND NOT MORE THAN 6 1/2' ABOVE GRADE LEVEL SHALL BE INSTALLED IN THE FRONT AND BACK OF THE DWELLING.
- 7. PROVIDE AN OUTDOOR WEATHER PROOF GFI RECEPTACLE WITHIN 25' OF EXTERIOR MECHANICAL EQUIPMENT PER CEC 210.63.
- L8. PROVIDE DISCONNECT WITHIN SIGHT OF AIR CONDITIONING EQUIPMENT PER CEC 440.14. PROVIDE 30" WIDE X 36" DEEP WORKING CLEARANCE AT AC DISCONNECT PER CEC110-26.(A)
- L9. SMOKE DETECTORS REQUIRED IN ALL BEDROOMS, HALLWAYS LEADING TO BEDROOMS AND VAULTED CEILINGS MORE THAN 24" HIGHER THAN HALLWAY PER CRC R314
- 20. SMOKE DETECTORS SHALL BE HARD WIRED, INTERCONNECTED, W/BATTERY BACKUP, & AUDIBLE IN ALL BEDROOMS PER CRC R314
- .. AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED IN DWELLING UNITS AND IN SLEEPING UNITS WITHIN WHICH FUEL-BURNING APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES. PER CRC SECTION R315.
- 2. CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM ELECTRICAL MAIN & SHALL BE EQUIPPED WITH BATTERY BACKUP.
- 23. PROVIDE LIGHT & PLUG IN ATTIC TO ACCESS AND SERVICE MECHANICAL EQUIPMENT. LIGHT MUST BE FLOURESCENT OR HAVE A DIMMER SWITCH.
- 24. VENTILATION SYSTEM CONTROLS SHALL BE LABELED "TO MAINTAIN MIN. LEVELS OF OUTSIDE AIR VENTILATION REQUIRED FOR GOOD HEALTH THE FAN SHOULD BE ON AT ALL TIMES WHEN THE BUILDING IS OCCUPIED, UNLESS THERE IS SEVERE OUTDOOR AIR CONTAMINATION" AND THE HOME OWNER SHALL BE PROVIDED WITH WITH INSTRUCTIONS ON HOW TO OPERATE THE
- 5. NEWLY CONSTRUCTED ONE AND TWO FAMILY DWELLINGS WITH AN ATTACHED PRIVATE GARAGE(S) SHALL COMPLY WITH ELECTRIC VEHICLE CHARGING INFRASTRUCTURE REQUIREMENTS IN ACCORDANCE WITH THE CGBC, CHAPER 4, SECTION 4.106
- 26. PROVIDE AN INTERSYSTEM BONDING ELECTRODE WHICH INCLUDES TREE GROUNDING OR BONDING CONDUCTORS REQUIRED FOR COMMUNICATIONS SYSTEMS. SHALL BE INSTALLED EXTERNALLY AT THE SERVICE ENTRANCE PANEL AS SPECIFIED IN CEC 800.100(B) AND 250.94
- 27. PROVIDE UFER OR OTHER APPROVED GROUND [CEC 250.50]

SYMBOL	DESCRIPTION			
\$ ^v	VACANCY SENSOR			
\$	SINGLE POLE SWITCH			
\$3	3 WAY SWITCH			
\$4	4 WAY SWITCH			
\$ ^D	DIMMER SWITCH			
\$H	FAN SWITCH WITH INTEGRAL HUMIDISTAT			
\Diamond	110V OUTLET			
Φ	110V HALF HOT OUTLET			
ф	220V OUTLET			
#	DUPLEX			
ϕ	DEDICATED OUTLET			
T	PHONE OUTLET			
TV	TELEVISION OUTLET			
1	CEILING MOUNT PENDANT FIXTURE			
$\bigoplus_{\mathbf{Q}} \mathbf{Q}$	WALL MOUNT BRACKETS			
	RECESSED CAN FIXTURE			
\bigcirc_{VP}	RECESSED CAN FIXTURE - VAPOR PROOF			
	AIMABLE RECESSED CAN FIXTURE			
	EXHAUST FAN			
	EXHAUST FAN WITH LIGHT			
<u> </u>	DECORATIVE WALL FIXTURE (HIGH EFFICIENCY)			
	FLUORESCENT FIXTURE (HIGH EFFICIENCY)			
	OVER OR UNDERCOUNTER LIGHTING (HIGH EFFICIENCY)			
Ø	GARBAGE DISPOSAL			
• G	GARAGE DOOR OPENER			
o DV	DOOR BELL			
	DOOR CHIME			
S	SMOKE/CARBON DETECTOR			
(MD)	MOTION DETECTOR			
F	DISCONNECT SWITCH			

H	DISCONNECT SWITCH	
	CEILING FAN WI	ITH LI
⟨SW⟩	STRUCTURED WIRING	
	STEP LIGHT	
r∰¬	ELECTRICAL METER	
	ELECTRICAL DISCONNECT	
ANEL	ELECTRICAL PANEL	
	SPEAKER	

VP VAPOR PROOF WEATHER PROOF GROUND FAULT INTERCEPTOR LOW VOLTAGE OUTSIDE GARAGE DISPOSAL

ENERGY CODE REQUIREMENTS

150.0(K) RESIDENTIAL LIGHTING.

- . LUMINAIRE REQUIREMENTS.
- A. LUMINAIRE EFFICACY. ALL INSTALLED LUMINAIRES SHALL BE HIGH-EFFICACY IN ACCORDANCE WITH TABLE 150.0-A.
- B. BLANK ELECTRICAL BOXES. THE NUMBER OF ELECTRICAL BOXES THAT ARE MORE THAN 5 FEET ABOVE THE FINISHED FLOOR AND DO NOT CONTAIN A LUMINAIRE OR OTHER DEVICE SHALL BE NO GREATER THAN THE NUMBER OF BEDROOMS. THESE ELECTRICAL BOXES MUST BE SERVED BY A DIMMER, VACANCY SENSOR CONTROL, OR FAN SPEED CONTROL.
- C. RECESSED DOWNLIGHT LUMINAIRES IN CEILINGS. LUMINAIRES RECESSED INTO CEILINGS SHALL MEET ALL OF THE FOLLOWING REQUIREMENTS:
- 1. BE LISTED, AS DEFINED IN SECTION 100.1, FOR ZERO LABORATORIES OR OTHER NATIONALLY RECOGNIZED TESTING/RATING LABORATORY; AND
- 2. HAVE A LABEL THAT CERTIFIES THE LUMINAIRE IS PASCALS WHEN TESTED IN ACCORDANCE WITH REQUIRED TO BE CERTIFIED AIRTIGHT; AND 3. BE SEALED WITH A GASKET OR CAULK BETWEEN ALL AIR LEAK PATHS
- BETWEEN CONDITIONED AND CAULK; AND 4. FOR LUMINAIRES WITH HARDWIRED BALLASTS OR DRIVERS, ALLOW BALLAST OR DRIVER MAINTENANCE AND REPLACEMENT TO BE READILY CEILING WITHOUT REQUIRING THE CUTTING OF HOLES INT THE CEILING:
- 5. SHALL NOT CONTAIN SCREW BASE SOCKETS; AND
- 6. SHALL CONTAIN LIGHT SOURCES THAT COMPLY WITH REFERENCES JOINT APPENDIX JA8, INCLUDING THE ELEVATED TEMPERATURE REQUIREMENTS, AND THAT ARE MARKED "JA8-2016-E" AS SPECIFIED IN REFERENCE JOINT
- D. ELECTRONIC BALLASTS. BALLASTS FOR FLUORESCENT LAMPS RATED 13 WATTS OR GREATER SHALL BE ELECTRONIC AND SHALL HAVE AN OUTPUT FREQUENCY NO LESS THAN 20 KHZ.
- NIGHT LIGHTS. PERMANENTLY INSTALLED NIGHT LIGHTS AND NIGHT LIGHTS INTEGRAL TO INSTALLED LUMINAIRES OR EXHAUST FANS SHALL BE RATED TO CONSUME NO MORE THAN FIVE WATTS OF POWER PER LUMINAIRE OR EXHAUST FAN AS DETERMINED IN ACCORDANCE WITH SECTION 130.0(C). NIGHT LIGHTS
- SHALL NOT BE REQUIRED TO BE CONTROLLED BY VACANCY SENSORS. F. LIGHTING INTEGRAL TO EXHAUST FANS. LIGHTING INTEGRAL TO EXHAUST FANS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 150.0(K). EXCEPTION TO SECTION 150.0(K)1F: LIGHTING INSTALLED BY THE
- MANUFACTURER IN KITCHEN EXHAUST HOODS. G. SCREW BASED LUMINAIRES. SCREW BASED LUMINAIRES SHALL MEET ALL OF THE FOLLOWING REQUIREMENTS:
- 1. THE LUMINAIRES SHALL NOT BE RECESSED DOWNLIGHT LUMINAIRES IN
- CEILINGS; AND 2. THE LUMINAIRES SHALL CONTAIN LAMPS THAT
- 3. THE INSTALLED LAMPS SHALL BE MARKED WITH REFERENCEJOINT APPENDIX
- EXCEPTION TO SECTION 150.0(K)1G : LUMINAIRES WITH HARD-WIRED BALLASTS FOR HIGH INTENSITY DISCHARGE LAMPS.
- H. ENCLOSED LUMINAIRES. LIGHT SOURCES THAT ARE NOT MARKED "JA8-2016-E" SHALL NOT BE INSTALLED IN ENCLOSED LUMINAIRES.

INTERIOR LIGHTING SWITCHING DEVICES AND CONTROLS.

- A. ALL FORWARD PHASE CUT DIMMERS USED WITH LED LIGHT SOURCES SHALL COMPLY WITH NEMA SSL 7A.
- B. EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEM. • EXCEPTION TO SECTION 150.0(K)2B: LIGHTING INTEGRAL TO AN EXHAUST FAN MAY BE ON THE SAME SWITCH AS THE FAN PROVIDED THE LIGHTING CAN BE SWITCHED OFF IN ACCORDANCE WITH THE APPLICABLE PROVISIONS IN SECTION 150.0(K)2 WHILE ALLOWING THE FAN TO CONTINUE TO OPERATE FOR AN
- EXTENDED PERIOD OF TIME. C. LUMINAIRES SHALL BE SWITCHED WITH READILY ACCESSIBLE CONTROLS THAT PERMIT THE LUMINAIRES TO BE MANUALLY SWITCHED ON AND OFF. D. LIGHTING CONTROLS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH
- THE MANUFACTURER'S INSTRUCTIONS. E. NO CONTROLS SHALL BYPASS A DIMMER OR VACANCY SENSOR FUNCTION WHERE THAT DIMMER OR VACANCY SENSOR HAS BEEN INSTALLED TO COMPLY WITH
- F. LIGHTING CONTROLS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF
- SECTION 110.9. 6. AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) MAY BE USED TO COMPLY WITH DIMMER REQUIREMENTS IN SECTION 150.0(K) IF AT A MINIMUM IT PROVIDES THE FUNCTIONALITY OF A DIMMER IN ACCORDANCE WITH SECTION 110.9, MEETS THE INSTALLATION CERTIFICATE REQUIREMENTS IN SECTION 130.4, THE EMCS REQUIREMENTS IN SECTION 130.5(F), AND COMPLIES WITH ALL OTHER APPLICABLE
- REQUIREMENTS IN SECTION 150.0(K)2. H. AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) MAY BE USED TO COMPLY WITH VACANCY SENSOR REQUIREMENTS IN SECTION 150.0(K) IF AT A MINIMUM IT PROVIDES THE FUNCTIONALITY OF A VACANCY SENSOR IN ACCORDANCE WITH SECTION 110.9, MEETS THE INSTALLATION CERTIFICATE REQUIREMENTS IN SECTION 130.4, THE EMCS REQUIREMENTS IN SECTION 130.5(F), AND COMPLIES WITH ALL OTHER APPLICABLE REQUIREMENTS IN SECTION 150.0(K)2.
- A MULTISCENE PROGRAMMABLE CONTROLLER MAY BE USED TO COMPLY WITH DIMMER REQUIREMENTS IN SECTION 150.0(K) IF AT A MINIMUM IT PROVIDES THE FUNCTIONALITY OF A DIMMER IN ACCORDANCE WITH SECTION 110.9, AND COMPLIES WITH ALL OTHER APPLICABLE REQUIREMENTS IN SECTION 150 IN BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS, AT L
- LUMINAIRE IN EACH OF THESE SPACES SHALL BE CONTROLLED BY A K. DIMMERS OR VACANCY SENSORS SHALL CONTROL ALL LUMINAI HAVE LIGHT SOURCES COMPLIANT WITH REFERENCE JOINT AP EXCEPTION 1 TO SECTION 150.0(K)2K: LUMINAIRES IN CLOSETS
- EXCEPTION 2 TO SECTION 150.0(K)2K: LUMIN FROM OTHER LIGHTING UNDERCABINET LIGHTING SHALL BE SWITCHED

MECHANICAL NOTES

- 1. FUEL BURNING APPLIANCES, INSTALLATION, TESTING, AND REPAIR PER 2022 CALIFORNIA MECHANICAL CODE. ALL APPLIANCES, FIXTURES AND EQUIPMENT TO BE INSTALLED AS PER CODE AND MANUFACTURER'S SPECIFICATIONS.
- BATHROOMS ARE TO BE MECHANICALLY VENTILATED PER CMC TABLE 403.7. MIN. 20 CFM FOR CONTINUOUS OPERATION OR 50 CFM FOR INTERMITTENT. CRC R303.3
- EQUIPMENT AND APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR, AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION. NOT LESS THAN 30" IN DEPTH, WIDTH, AND HEIGHT OF WORKING SPACE SHALL BE PROVIDED
- TERMINATE DRYER EXHAUST DUCT TO THE OUTSIDE OF BUILDING, DRYER TO BE EQUIPPED WITH A BACKDRAFT DAMPER WITH NO SCREEN. DUCT RUN 14' MAX WITH (2) 90° ELBOWS FROM CLOTHES DRYER TO POINT OF TERMINATION, LENGHT TO BE REDUCED 2' FOR EVERY ADDITIONAL ELBOW OR PROVIDE MANUFACTURERS INSTALLATION DATA. CLOTHES DRYERS EXHAUST DUCTS SHALL BE CONSTRUCTED OF RIGID METALLIC MATERIAL. WHERE JOINING OF DUCTS, THE MALE END SHALL BE INSERTED IN THE DIRECTION OF AIRFLOW, NO SCREWS OR OTHER FASTENING MEANS THAT ARE CAPABLE OF CATCHING LINT SHALL BE USED.
- TERMINATION OF ENVIRONMENTAL AIR DUCTS SHALL BE A MIN. 3' AWAY FROM OPENINGS INTO THE BUILDING.
- 6. EXHAUST FANS LOCATED IN A ROOM WITH A SINK, BATHTUB, OR SHOWER ARE REQUIRED TO BE ENERGY STAR COMPLIANT. UNLESS FUNCTIONING AS A WHOLE HOUSE FAN, FAN MUST BE CONTROLLED BY A READILY ACCESSIBLE HUMIDISTAT CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF 50-80% AND BE DUCTED TO TERMINATE OUTSIDE BUILDING.
- WHEN COOLING COILS ARE LOCATED IN THE ATTIC, A SECONDARY OR OVERFLOW SHALL BE PROVIDED (IN ADDITION TO THE PRIMARY CONDENSATE DRAINS) THE REQUIRED OVERFLOW LINE SHALL BE SEPARATE FROM THE PRIMARY AND SHALL TERMINATE WHERE IT IS READILY OBSERVABLE (ABOVE WINDOWS OR DOORS). CMC 309.2
- AIR CONDITIONING REFRIGERANT ACCESS PORTS LOCATED OUTDOORS SHALL BE PROTECTED WITH LOCKING TYPE TAMPER-RESISTANT CAPS.
- 9. DUCT INSTALLATION SHALL COMPLY WITH CMC SECTION 603.10. TAPES AND MASTICS USED TO SEAL SHEET METAL DUCTS MUST BE LISTED TO UL 181 B. SNAP LOCK AND BUTTON LOCK SEAMS MUST BE SEALED.
- 10. WHERE PIPING WILL BE CONCEALED WITHIN LIGHT-FRAME CONSTRUCTION ASSEMBLIES THE PIPING SHALL BE PROTECTED AGAINST PENETRATION BY FASTENERS.
- 11. SEE 2022 GREEN BUILDING CODE & ENERGY CODE MANDITORY MEASURES FOR OTHER REQUIREMENTS NOT LISTED HERE.
- 12. ALL HVAC INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS

ENERGY COMPLIANCE MANUAL

FOR ADDITIONAL INFORMATION ON THE 2022 CALIFORNIA ENER CODE AND MECHANNICAL AS APPLIES TO RESIDENTIAL CON REFER TO THE 2022 RESIDENTIAL ENERGY COMPLIANCE MANUAL. THIS GUIDE PRO ON THE REQUIREMENTS OF ALL 2022 CALIFORNIA BUIL NG STANDARDS COMMISSION VOLUMES AS APPLY TO RESIDENTIAL CONSTRUCTION





SHASTA COUNTY PRE-APPROVED

ADU 1 - PACIFIC CREST COTTAGE

	REVISIONS						
DATE	\sqrt{x}	DESCRIPTION					

LICENSE STAMP



CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY ONESHOP PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY

DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH: SET ISSUE DATE:

8/7/2023

NOTES & LEGEND

MECHANICAL & ELECTRICAL

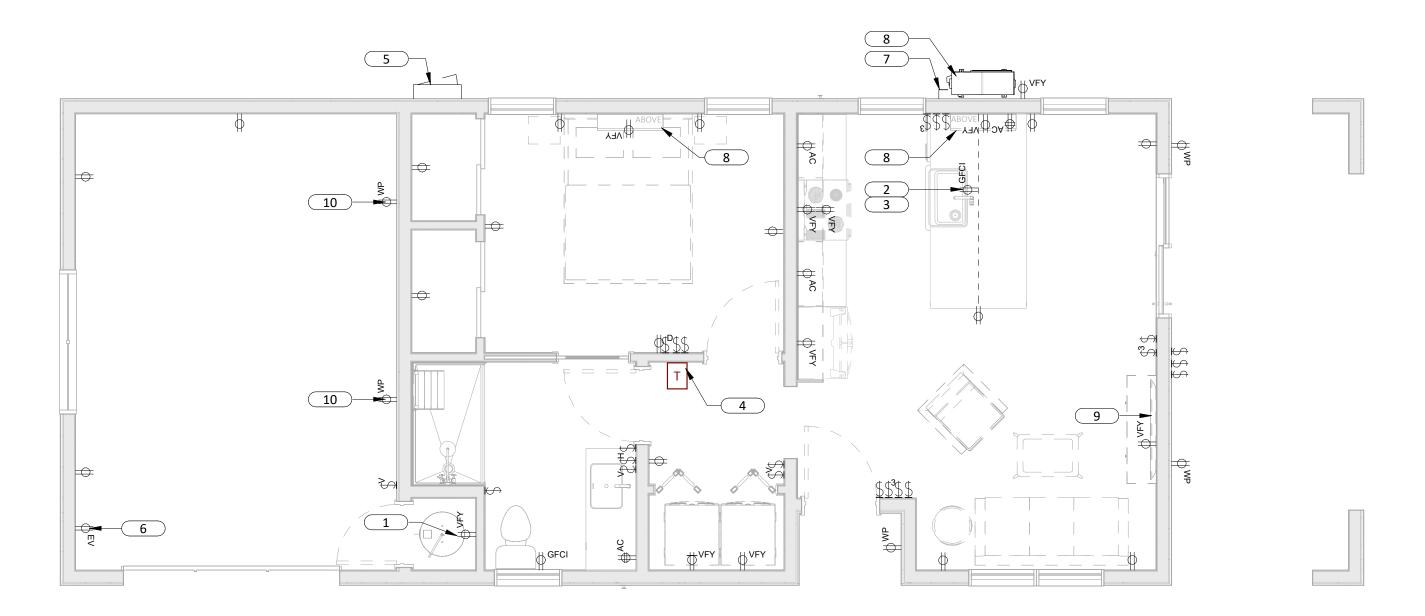
TABLE 7.1 PRESCRIPTIVE DUCT SIZING REQUIRMENTS

ASHRAE TABLE 7.1 PRESCRIPTIVE DUCT SIZING F	REQUIREMENTS								
DUCT TYPE		FLEX DUCT			SMOOTH DUCT				
FAN RATING (CFM CLOSE). W.G.	50	80	100	125	50	80	100	125	
		MAXIMUM ALLOWABLE DUCT LENGTH (FT.)							
DIAMETER (IN.		FLEX DUCT			SMOOTH DUCT				
3	X	Х	X	Х	5	Х	X	X	
4	70	3	X	Х	105	35	5	X	
5	NL	70	35	20	NL	135	85	55	
6	NL	NL	125	95	NL	NL	NL	145	
7 AND ABOVE	NL	NL	NL	NL	NL	NL	NL	NL	

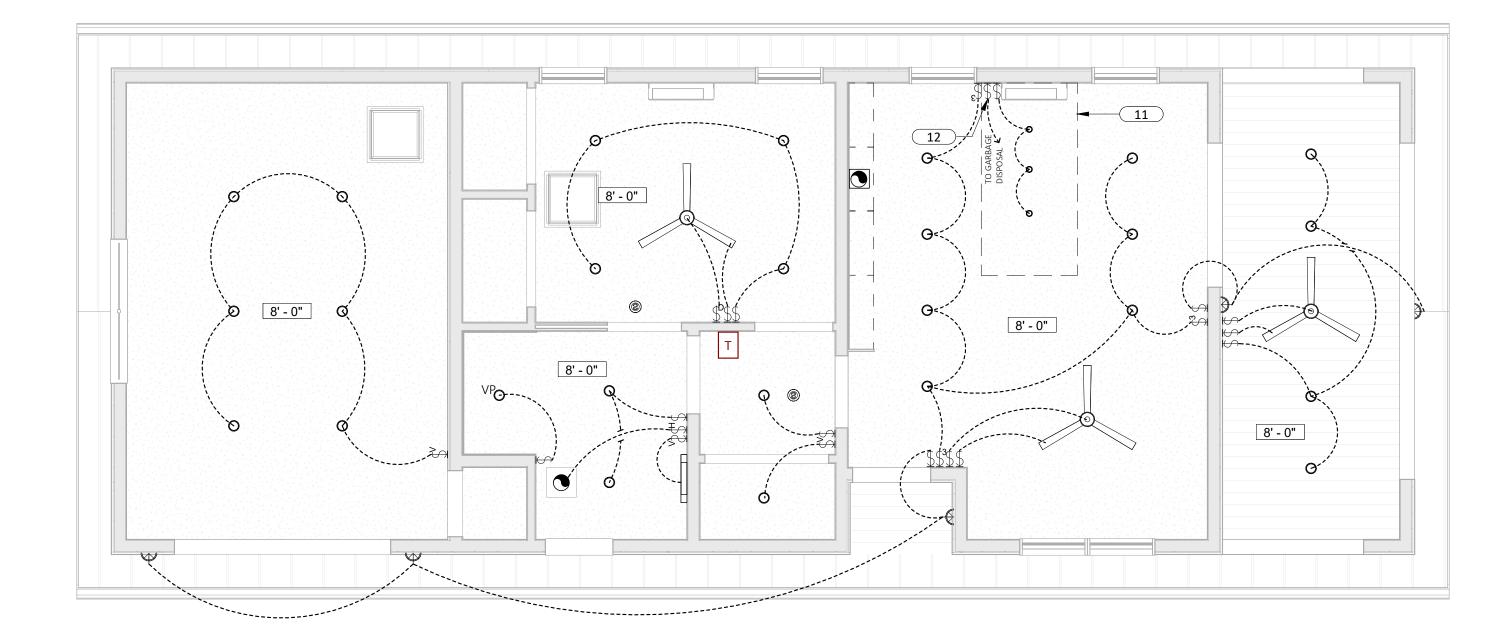
THIS TABLE ASSUMES NO ELBOWS. DEDUCT 15 FT OF ALLOWABLE DUCT LENGTH FOR EACH TURN, ELBOW, OR FITTING. INTERPOLATION AND EXTRAPOLATION IN TABLE 7.1 IS NOT ALLOWED. FOR AIRFLOW VALUES NOT LISTED, USE THE NEXT HIGHER VALUE. THIS TABLE IS NOT APPLICABLE FOR AIRFLOW > 125 CFM.

NL = NO LIMIT ON DUCT LENGTH OF THIS SIZE.

X = NOT ALLOWED, ANY LENGTH OF DUCT OF THIS SIZE WITH ASSUMED TURNS, ELBOWS, FITTINGS WILL EXCEED THE RATED PRESSURE DROP. (0.25 IN W.G.) NOTE: WATER GAUGE (W.G.) IS THE SAME AS WATER COLUMN (W.C.)



SCALE: 1/4" = 1'-0"



LIGHTING PLAN SCALE: 1/4" = 1'-0"

SHEET NOTES

- A. FOR CODE ANALYSIS IN ELECTRICAL AND MECHANICAL REFER SHEETS G4.0 AND G5.0
- B. RE: E1.0 FOR ADDITIONAL INFORMATION
- C. ALL OUTLETS LABLED 'EAVE' TO BE INSTALLED 6" FROM UNDERSIDE OF SOFFIT AND ON TIMER SWITCH IN GARAGE
- D. ALL LIGHTING TO CONFORM TO TITLE 24, PART 6 (CALIFORNIA ENERGY CODE) LIGHTING REQUIREMENTS.
- . HIGH EFFICACY LIGHTS ARE TO BE INSTALLED. IF THE LIGHTS ARE NOT HIGH EFFICACY, THEN THEY ARE TO BE CONTROLLED BY A VACANCY SENSOR. OUTDOOR LIGHTS MOUNTED TO THE BUILDING OR ON THE SAME PROPERTY ARE TO BE HIGH EFFICACY AND CONTROLLED BY A MOTION SENSOR IN COMBINATION WITH A PHOTOCELL CONTROL, ASTRONOMICAL TIME CLOCK, OR ENERGY MANAGEMENT SYSTEM.
- F. COMBINATION CARBON MONOXIDE / SMOKE ALARMS SHALL BE HARDWIRED WITH BATTERY BACKUP AND INTERCONNECTED.
- G. ALL EXTERIOR LIGHTING TO BE EXTERIOR GRADE AND WUI COMPLIANT
- H. ALL CEILING FANS TO BE CENTERED IN ROOMS U.N.O.
- I. VANITY LIGHTS TO BE CENTERED OVER SINKS
- J. ALL LIGHTS TO BE DIMMER SWITCHES U.N.O.
- K. ALL 15 OR 20 AMP, 125- OR 250-VOLT RECEPTACLES INSTALLED OUTDOORS IN WET LOCATIONS MUST BE A LISTED WEATHER-RESISTANT TYPE WHEN THE PLUG IS INSERTED.PER CEC 406.9(B)L
- ALL 125 VOLT, 15- AND 20-AMP RECEPTACLES INSTALLED IN A RESIDENCE OR ACCESSORY STRUCTURE SHALL BE LISTED TAMPER RESISTANT RECEPTACLES. NO EXCEPTIONS FOR RECEPTACLES ON CEILINGS, ABOVE COUNTERS OR BEHIND APPLIANCES. CEC 406.12
- M. ALL OUTLETS IN BATHROOMS ARE TO BE GFI PROTECTED
- N. ALL EXTERIOR OUTLETS ARE TO BE GFI PROTECTED

KEY NOTES

- 1. RECEPTACLE FOR HYBRID WATER HEATER, VERIFY WITH MFG.
- 2. RECEPTACLE FOR DISHWASHER
- 3. RECEPTACLE FOR GARBAGE DISPOSAL
- 4. THERMOSTAT CONFIRM LOCATION WITH OWNER
- 5. 200A PANEL
- 6. ELECTRIC VEHICLE CHARGING ROUGH-IN. ALTERNATIV BRANCH CIRCUIT FOR FUTURE E.V. CHARGING DEV
- 7. A/C DISCONNECT
- 9. LOCATION OF TELEVISION VERIFY TILITY, E REQUIREMENT AND RECEPTACLE HEIGHT WITH OWNER
- RAGE NOT CONSTRUCTED 10. WEATHER-PROOF RECER



RE: E1.0 FOR FULL LIST

- DUPLEX POWER RECEPTACLE GFCI WHERE INDICATED OR NOTED BELOW RE: E1.0 FOR REQ'D LOCATIONS
- DUPLEX POWER RECEPTACLE HEIGHT AS INDICATED, +18" WHERE U.O.N
- DUPLEX POWER RECEPTACLE ABOVE COUNTER, GFCI REQUIRED
- DUPLEX POWER RECEPTACLE VERIFY HEIGHT WITH EQUIPMENT
- DUPLEX POWER RECEPTACLE WEATHER PROOF W/ EXTRA-DUTY BOX HOOD
- GFCI REQUIRED QUAD POWER RECEPTACLE
- SWITCH NUMBER INDICATES MULTI-SWITCHING
- TIMER SWITCH
- DIMMER SWITCH
- VACANCY SWITCH 'M' MAY BE INDICATED FOR MOTION SWITCH WITH INTEGRAL HUMIDISTAT
- DOOR-ACTIVATED LIGHT SWITCH
- IN-FLOOR POWER RECEPTACLE VERIFY LOCATION W/ OWNER
- (RECEPTACLE TYPE VARIES)
- EXTERIOR WALL SCONCE TO BE CONTROLLED WITH MANUAL ON/OFF SWITCH PLUS AN ASTRONOMICAL TIME CLOCK OR PHOTOCELL AND MOTION SENSOR <u>OR</u> PHOTOCELL <u>AND</u> TIME SWITCH



PROJECT



SHASTA COUNTY PRE-APPROVED **ADUS**

ADU 1 - PACIFIC CREST COTTAGE

REVISIONS 8/29/23 A SC Remarks

LICENSE STAMP



CONSULTANT

AGENCY APPROVAL

COPYRIGHT © 2023

ONESHOP RETAINS ALL RIGHTS TO PROPRIETARY INFORMATION, INCLUDING, WITHOUT LIMITATION, METHODOLOGIES AND METHODS OF ANALYSIS, IDEAS, CONCEPTS, ARRANGEMENTS, PLANS, EXPRESSIONS, KNOW HOW, METHODS, TECHNIQUES, SKILLS, KNOWLEDGE, AND EXPERIENCE POSSESSED BY **ONESHOP** PRIOR TO, OR ACQUIRED DURING THE DEVELOPMENT OF THIS PROJECT AND SHALL NOT BE RESTRICTED IN ANY WAY WITH RESPECT THERETO.

STIPULATION FOR REUSE DISTRIBUTION AND USE BY THE RESIDENTS OF SHASTA COUNTY WITH A SNOW LOAD OF 70 PSF OR LESS. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON PROJECTS OUTSIDE OF SHASTA COUNTY AND WITHOUT THE PERMISSION OF THE SHASTA COUNTY BUILDING

DEPARTMENT IS NOT AUTHORIZED AND IS CONTRARY TO THE LAW.

PROJ ARCH: SET ISSUE DATE:

8/7/2023

POWER & LIGHTING PLAN

E2.0