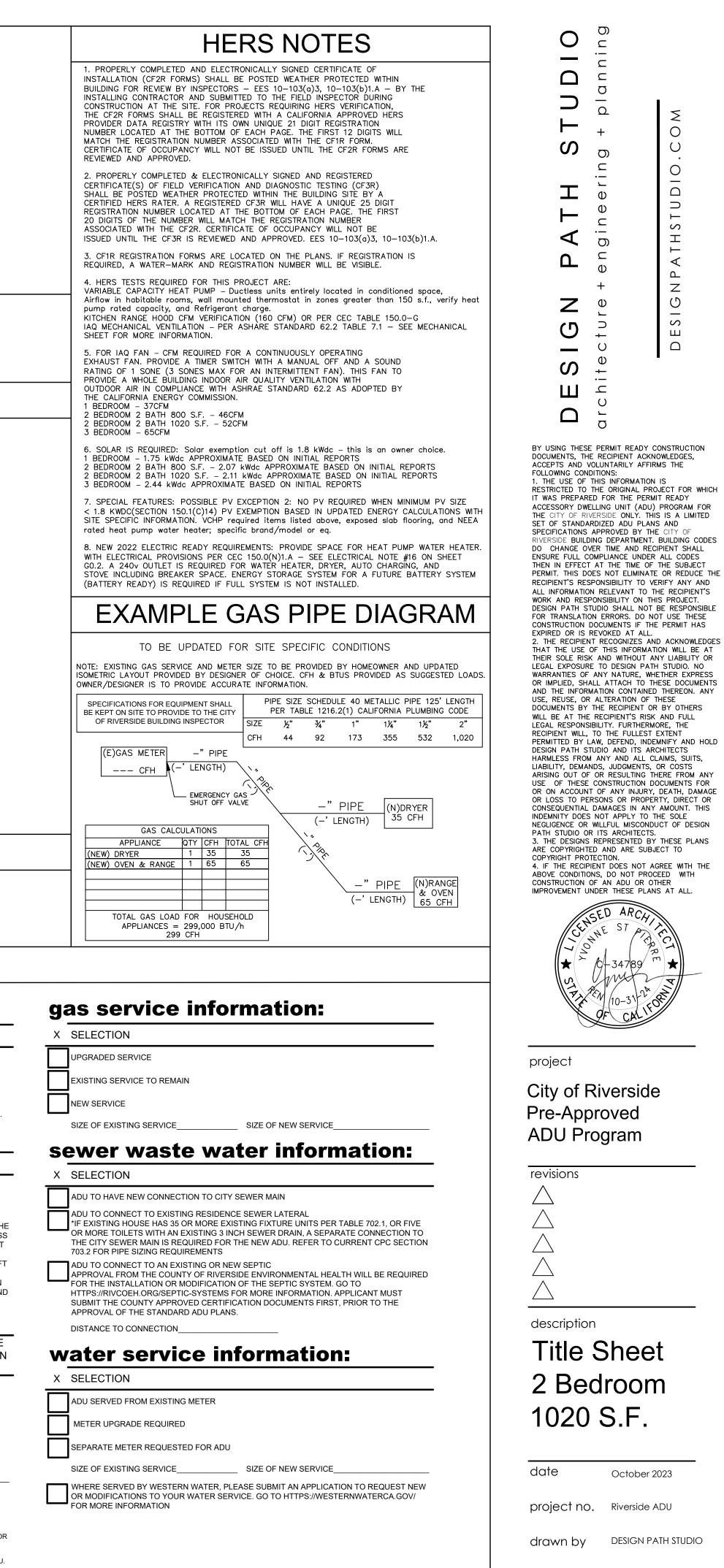
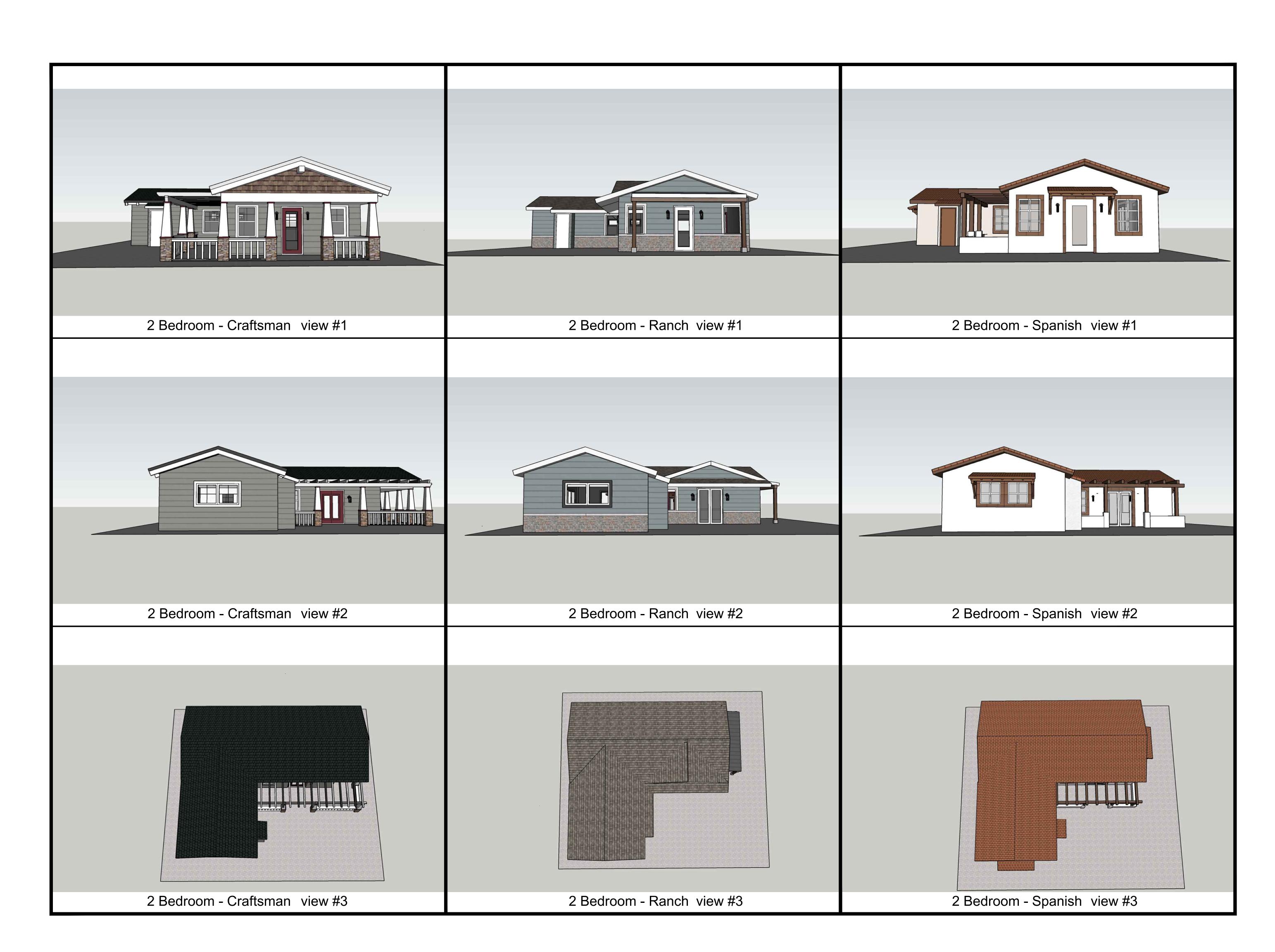
APPLICANT AG	REEMENT						
APPLICANT AGREES TO PROVIDE ALL NECESSARY INFORMAT CONSTRUCTION DOCUMENTS. MODIFICATIONS TO THE PERMIT DESIGN PATH STUDIO ARE TO BE DISCLOSED BY THE APPL AUTHORITY HAVING JURISDICTION. ANY MODIFICATIONS TO T REQUIRES EACH SHEET TO BE SIGNED BY THE PERSON WH SHEETS INCORPORATED INTO THESE DOCUMENTS ALSO REC WHO PREPARED THE INFORMATION. THE FOUNDATION DESIG CONSTRUCTION DOCUMENTS ASSUMES STANDARD SOILS CO SITE SPECIFIC CONDITIONS REQUIRE A FOUNDATION DESIGN DOCUMENTS THEN THE APPLICANT IS TO PROVIDE A NEW F WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGIN BY SIGNING BELOW THE APPLICANT AGREES TO THE STATE ALL LOCAL CODE REQUIREMENTS.	T READY DOCUMENTS PROVIDED BY ICANT AND APPROVED BY THE THESE CONSTRUCTION DOCUMENTS IO MADE THE CHANGES. ANY ADDITIONAL QUIRES A SIGNATURE BY THE PERSON SN FOR THESE PERMIT READY NDITIONS AND LEVEL TOPOGRAPHY. IF BEYOND WHAT IS PROVIDED IN THESE FOUNDATION DESIGN WHICH COMPLIES NEER'S REPORT.	2	cessory Dwelling U Bedroom - 1020 s. City of Riverside, C	f.			
SHEET IND	DEX						
T1.1 TITLE SHEET T1.2 EXTERIOR STYLE OPTIONS AS.1 SITE INFORMATION		CONTACT LOCAL UTILITY COMPANIES REGARDING GAS AND ELECTRIC SERVICES TO THIS DETACHED ADU. SEE EXAMPLE SITE PLAN, SHEET AS.2, FOR MORE INFORMATION					
AS.2 SITE PLAN (PROVIDED BY OW GO.1 RESIDENTIAL MANDATORY FEA GO.2 GENERAL NOTES	WNER) ATURES 2022 CALGREEN	ZONING INFORMATION		·			
G0.3 GENERAL NOTES A0.1 DOOR AND WINDOW SCHEDUL A1.1 FLOOR PLAN / ROOF PLAN C		CONTACT CITY OF RIVERSIDE FOR THE INFORMATION BELOW	DIRECTORY	VICINITY MAP			
A1.2 FLOOR PLAN/ ROOF PLAN R A1.3 FLOOR PLAN/ ROOF PLAN S	ANCH PANISH	EMAIL: CDDINFO@RIVERSIDECA.GOV PHONE: 951-826-5800 ZONING :	SITE PLAN & TITLE SHEET INFORMATION PREPARED BY:	PROVIDED BY OWNER			
A2.1 MECHANICAL/PLUMBING/ELEC A3.1 EXTERIOR ELEVATIONS CRAFT A3.2 EXTERIOR ELEVATIONS RANCE	TSMAN H	OVERLAY :	CONTACT PERSON ADDRESS				
A3.3 EXTERIOR ELEVATIONS SPANI A4.1 BUILDING SECTIONS CRAFTSM A4.2 BUILDING SECTIONS CRAFTSM	/AN	LOT SIZE :	PHONE EMAIL				
A4.3 BUILDING SECTIONS RANCH A4.4 BUILDING SECTIONS RANCH A4.5 BUILDING SECTIONS SPANISH		EXISTING HABITABLE SQ. FT. : LOT SLOPE :	PROPERTY OWNER:				
A4.6BUILDING SECTIONS SPANISHA5.1ARCHITECTURAL WALL FINISHA5.2ARCHITECTURAL ROOF FINISHA5.3ARCHITECTURAL DETAILS	1 DETAILS	ADU SETBACKS FROM PROPERTY LINE	NAME ADDRESS				
S 1 STRUCTURAL NOTES & SPEC	IFICATIONS PLANS CRAFTSMAN	ALLOWED : FRONT- PROPOSED : FRONT- REAR- REAR-	PHONE EMAIL				
S.2 FOUNDATION AND FRAMING F S.3 FOUNDATION AND FRAMING F S.4 FOUNDATION AND FRAMING F S.5 STRUCTURAL DETAILS S.6 STRUCTURAL DETAILS T24.1 ENERGY CALC.	PLANS SPANISH	SIDE	BUILDING DEPARTMENT:				
T24.1 ENERGY CALC. T24.2 ENERGY CALC. T24.3 ENERGY CALC.			CITY OF RIVERSIDE BUILDING & SAFETY DEPARTMENT 3900 MAIN STREET,				
		ADU SETBACKS FROM MAIN RESIDENCE ALLOWED : PROPOSED :	RIVERSIDE, CA 92522 P. (951)826-5800				
BUILDING INFO	RMATION		PROJECT DESCRIPTION				
	SHALL COMPLY WITH THE 2022 CALIFORNIA RESIDENTIAL CODE (CRC), CALIFORNIA	OFF STREET PARKING : REQUIRED: PROVIDED:					
MECHANICAL CODE (CMC), CA ELECTRICAL CODE (CEC), CAL	ALIFORNIA PLUMBING CODE (CPC), CALIFORNIA IFORNIA ENERGY CODE (CEC), CALIFORNIA		NEW CONSTRUCTION OF A ONE STORY, 2 BEDROOM 2 BATH, DETACHED 1020 S.F. ACCESSOR DWELLING UNIT				
GREEN BUILDING CODE (CGBC	C) AND CITY OF RIVERSIDE MUNICIPAL CODE.		PORCH AREAS: CRAFTSMAN: ## S.F. RANCH: ## S.F. SPANISH: ## S.F.				
SITE ADDRESS:		APN	LEGAL DESCRIPTION	APN			
GOVERNING AGENCY: CITY OF RIVERSIDE, C OCCUPANCY GROUP: R3 STORIES: 1 TYPE OF CONSTRUCTION: VB	XA.		PROVIDED BY OWNER	PROVIDED BY OWNER			
TO BE COMPLETE E	BY CITY STAFF	REQUIRED SUPPLEI	MENTAL INFORMATION - TO BE CC				
required supplement		additional plan information	roof framing:	fire sprinkler information:			
x SELECTION		provided by applicant:	X SELECTION ROOF FRAMING PER PLAN	X SELECTION			
THE BUILDING IS IN THE FLOOD HAZARD AREA NOTE: CITY STANDARD ADU PLANS ARE NOT A		TITLE SHEET (T1.1) INFORMATION FILLED OUT	ROOF TRUSSES - IN LIEU OF ROOF DETAILS PROVIDED ON THESE PLANS. HOMEOWNER IS TO CONTRACT WITH AN INDEPENDENT TRUSS COMPANY AND SUBMIT TRUSS	EXISTING RESIDENCE CURRENTLY HAS FIRE SPRINKLERS PROPERTY IS LOCATED IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE			
HAZARD AREA. A LICENSED PROFESSIONAL SH DESIGN.	HOULD BE CONSULTED FOR A SITE-SPECIFIC	SITE PLAN SHEET (AS.2) PROVIDED IN PLAN SET FOR CITY REVIEW	CALCULATIONS TO THE CITY OF RIVERSIDE FOR APPROVAL. INDICATE ON DEFERRED SUBMITTAL CHECKLIST ABOVE IF TRUSS PACKAGE WILL BE PROVIDED AS A DEFERRED SUBMITTAL	FOR ADU'S IN VERY HIGH FIRE SEVERITY ZONES, PLEASE CONTACT THE CITY OF RIVERSIDE FIRE PREVENTION DIVISION AT 951-826-5737 FOR ADDTIONAL REQUIREMENTS			
THE BUILDING IS LOCATED IN A VERY HIGH FIR	RE SEVERITY ZONE (VHFSZ)	AND EXACT ORIENTATION FOR SITE SPECIFIC CONDITIONS. OWNER MAY CONTACT THE ENTITY WHO PREPARED THE ORIGINAL REPORT (SHOWN ON T24.1) TO OBTAIN UPDATES TO THE REPORT.	ro <u>of material:</u>	fire rated details:			
THE BUILDING IS IN AN AREA IMPACTED BY A C NOTE: APPLICANT MUST COMPETE THE PRESC CHECKLIST ON AS.1		CONSTRUCTION AND DEMOLITION FORM	X SELECTION	X WHEN REQUIRED AS NOTED BELOW			
EASEMENTS OCCUR WITHIN THE PROPERTY. NOTE: SITE PLAN WITH EASEMENT LOCATION	TO BE PROVIDED BY CITY STAFF	HOLD HARMLESS AGREEMENT GRADING EXCEPTION JUSTIFICATION FORM	ROOF COLOR OF PRINCIPAL DWELLING UNIT (ROOF COLOR OF ADU IS TO MATCH PRINCIPAL DWELLING UNIT)	ROOF EAVE DETAIL 1,2,3,5,6,7/A5.2WALL FINISH DETAIL 9B,12B,15B/ A5.1			
SERVED BY WESTERN WATER		FOR PROJECTS ON SEPTIC: APPROVED CERTIFICATION DOCUMENTS FROM THE COUNTY OF RIVERSIDE HEALTH DEPARTMENT	TRIM COLOR OF PRINCIPAL DWELLING	FIRE RATED DETAILS ABOVE ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN T VERY HIGH FIRE SEVERITY ZONE (VHFSZ) OR WHEN WALLS AND ROOF EAVES ARE LES THAN 5 FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3 F			
		WAIVER OF GEOTECHNICAL INVESTIGATION FORM	CONCRETE TILE ROOF - EAGLE ROOF PRODUCTS INC IAMPO UES-ER 1900 MINIMUM 2-1/2:12 ROOF SLOPE. COLOR OF CONCRETE TILE ROOF	FROM PROPERTY LINE IN SPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ABOVE ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 I FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILDING OR LESS THAN 6 FT			
BE ADVISED, SHOULD THE PROPOSED ADU BE		MANDATORY PRESCRIPTIVE NOISE INSULATION REQUIREMENTS CHECKLIST SIGNATURE REQUIRED SEE SHEET AS.1	ARCHITECTURAL GRADE SHINGLE - CERTAINTEED - ICC-ES ESR-3537 MINIMUM 2:12 ROOF SLOPE.	FROM THE MAIN DWELLING UNIT IN A SPRINKLERED BUILDING. SEE SITE INFORMATION SHEET AS.1 FOR FURTHER INFORMATION ON BUILDING SEPARATION/PROJECTIONS AN FIRE RATING REQUIREMENTS.			
TRAIL CORRIDOR, A TRAIL EASEMENT WILL NE OF OCCUPANCY.	ED TO BE DEDICATED PRIOR TO CERTIFICATE	exterior style selection: x SELECTION (SEE SHEET T1.2 FOR EXTERIOR RENDERING)	COLOR OF ARCHITECTURAL GRADE SHINGLES	electrical service information:			
		CRAFTSMAN	PROPERTIES LOCATED IN VHFHSZ OR WUI ZONES ARE TO USE WUI COMPLIANT	SELECTION: INFORMATION BELOW IS TO BE INDICATED ON THE SITE X PLAN SPECIFIC FOR EACH PEROPERTY. SEE AS.1 SITE INFORMATIO CHECKLIST			
		RANCH SPANISH	SPECIFICATION. APPLICANT IS TO PROVIDE WUI COMPLIANT INFORMATION IF DIFFERENT THAN LISTING ON SHEET G0.3	RELOCATE OR UPGRADE SERVICE A SEPARATE PERMIT WILL BE REQUIRED TO RELOCATE OR UPGRADE THE SERVICE UNDER THE FOLLOWING			
		exterior wall material:	window and trim color:	CIRCUMSTANCES: 1. THE EXISTING ELECTRICAL SERVICE IS LESS THAN 200A. 2. AN ELECTRICAL SERVICE GREATER THAN 200A IS REQUESTED. 3. EXISTING OVERHEAD SERVICE ENTRANCE WIRES COINCIDE WITH LOCATION OF THE PROPOSED ADU. 4. A SERABATE METER IS DESIRED FOR THE ADU.			
deferred submittals	- separate	X SELECTION(S)	WINDOW COLOR OF PRNCIPAL DWELLING UNIT	4. A SEPARATE METER IS DESIRED FOR THE ADU.			
permit to be obtaine		EXTERIOR WALL COLOR OF PRINCIPAL DWELLING UNIT (EXTERIOR WALL COLOR OF ADU IS TO MATCH PRINCIPAL DWELLING UNIT) STUCCO / COLOR		SIZE OF EXISTING SERVICE SIZE OF NEW SERVICEA SINGLE POINT OF CONNECTION SHALL BE SUPPLIED FOR THE ADU AND MAIN DWELLING. ADU			
X TO BE COMPLETED		STORE VENEER / COLOR	DARK BRONZE	SHALL HAVE A SUBPANEL ONLY, WITH NO METER. APPLICANT TO PULL A SEPARATE PERMIT TO UPGRADE THE EXISTING SERVICE OR UPGRADE THE EXISTING TO A DUAL METER PANEL.			
FIRE SPRINKLERS (WHEN REQUIRED)			OTHER WINDOW COLOR	 CUSTOMER TO REVISE DRAWINGS TO REFLECT SINGLE POINT OF CONNECTION AND MAP ALL ELECTRICAL SERVICES WITHIN PROPERTY FOR ADU AND MAIN DWELLING. CUSTOMER RESPONSIBLE FO FEE'S ASSOCIATED WITH RELOCATION OF ANY RPU SERVICE CABLES. CUSTOMER TO SHOW CHANGES ON BOTH THE SITE PLAN AND ELECTRICAL PLAN CUSTOMER TO SHOW CHANGES ON BOTH THE SITE PLAN AND ELECTRICAL PLAN 			
TRUSS CALCULATIONS (WHEN REQUIRED)		WOOD SIDING / COLOR OTHER		 CUSTOMER TO SHOW EXISTING MAIN PANEL LOCATION, SIZE AND SUB PANEL LOCATION, SIZE ON ADI 4. CUSTOMER WILL NEED TO PULL A SEPARATE PERMIT TO UPGRADE MAIN DWELLING TO DUAL METER PANEL SHOULD SEPARATE ELECTRICAL SERVICES BE REQUESTED. ADD (RELOCATION IF NEEDED TO PERMIT.) 			
TO FINAL BUILDING INSPECTION AND APPROVAL FOR *IF THERE IS AN EXISTING PHOTOVOLTAIC SYSTEM O ACCOMMODATE THE NEW ADU THEN HOMEOWNER IS EXISTING SIZE OF THE PV PANEL (WHEN REQUIRED)	R THE ADU. DF SUFFICIENT SIZE ON THE MAIN HOUSE TO	PROPERTIES LOCATED IN VHFHSZ OR WUI ZONES ARE TO USE WUI COMPLIANT SPECIFICATION. APPLICANT IS TO PROVIDE WUI COMPLIANT INFORMATION IF DIFFERENT THAN LISTING ON SHEET G0.3		APPLICANT TO MAKE APPLICATION FOR NEW ELECTRIC METER ACCOUNT(S) FOR EACH NEW METER REQUIRED. TO SET UP ACCOUNT(S), CALL RIVERSIDE PUBLIC UTILITIES CUSTOMER SERVICE: 951-782-03 ALL CHANGEMARKS HAVE BEEN RESOLVED. PLEASE REFER TO ANY PROJECT CONDITIONS THAT MAY APPLY IN THE CONDITIONS REPORT PRIOR TO PERMIT ISSUANCE			





DESIGN PATH STUDIO	architecture + engineering + planning	DESIGNPATHSTUDIO.COM
ACCEPTS AND W FOLLOWING COND 1. THE USE OF RESTRICTED TO TI WAS PREPARE ACCESSORY DWE THE CITY OF RIV SET OF STANDAF SPECIFICATIONS. RIVERSIDE BUILDI DO CHANGE OV ENSURE FULL CO THEN IN EFFECT PERMIT. THIS DO RECIPIENT'S RESI ALL INFORMATION WORK AND RESP DESIGN PATH ST FOR TRANSLATIO CONSTRUCTION D EXPIRED OR IS F 2. THE RECIPIENT' THAT THE USE O THEIR SOLE RISK LEGAL EXPOSURE WARRANTIES OF OR IMPLIED, SHA AND THE INFORM USE, REUSE, OR DOCUMENTS BY WILL BE AT THE LEGAL RESPONSI RECIPIENT WILL, PERMITTED BY LJ DESIGN PATH ST HARMLESS FROM LIABILITY, DEMAN ARISING OUT OF CONSEQUENTIAL INDEMNITY DOES NEGLIGENCE OR PATH STUDIO OR 3. THE DESIGNS ARE COPYRIGHT PROT 4. IF THE RECIPI	E RECIPIENT ACKNO DILINTARILY AFFIRM DITIONS: THIS INFORMATION THE ORIGINAL PRO. D FOR THE PERMIT LLING UNIT (ADU) ERSIDE ONLY. THIS RDIZED ADU PLANS APPROVED BY THE NG DEPARTMENT. I ER TIME AND RECIP DMPLIANCE UNDER AT THE TIME OF T ES NOT ELIMINATE PONSIBILITY TO VEF N RELEVANT TO THIS UDIO SHALL NOT E NOT ELIMINATE PONSIBILITY ON THIS UDIO SHALL NOT E NOEUMENTS. IF THE EVOKED AT ALL. T RECOGNIZES AND DF THIS INFORMATIC AND WITHOUT AN E TO DESIGN PATH ANY NATURE, WHE LL ATTACH TO THIS MUDIO AND ITS ARC ANY AND ALL CLA IDS, JUDGMENTS, CO OR RESULTION OF TH THE RECIPIENT'S RISK BILITY. FURTHERMO TO THE FULLEST E AW, DEFEND, INDEM UDIO AND ITS ARC ANY AND ALL CLA IDS, JUDGMENTS, CO OR RESULTION DO OF ANY INJURY, I RECONS OR PROPER DAMAGES IN ANY NOT APPLY TO TH WILLFUL MISCONDU TS ARCHITECTS. REPRESENTED BY DAND ARE SUBJE TECTION.	WLEDGES, AS THE IS JECT FOR WHICH T READY PROGRAM FOR T IS A LIMITED AND CITY OF BUILDING CODES PIENT SHALL ALL COD
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3900 Main Street, 3rd Floor • Riverside, CA 92522 951.826.5800 RiversideCA.gov/Building ffice Hours M-F: 8:00 AM -4:30 PM | Wednesdays 9:00 AM TO 4:30 PM

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MANDATORY PRESCRIPTIVE NOISE INSULATION REQUIREMENTS CHECKLIST Residential Building in the 60+ dB CNEL Noise Zone

These are minimum requirements and DO NOT apply to specific areas adjacent to railroad tracks, freeways, airports, etc. Please note that code requirements change over time; always check the current codes or ask the plans examiner to verify requirements.

PRESCRIPTIVE REQUIREMENTS	INCORPORATED IN DESIGN?* *If No, provide Acoustical analysis report	
EXTERIOR WALLS		
Minimum 2x4" studs	X Yes	
Exterior finish: 7/8" stucco, brick veneer, masonry. Wood/metal siding must be backed 1/2" solid sheathing.	X Yes	🗌 No
Masonry walls (<40psf) must be supported by stud-wall w/ 5/8" gyp-board/plaster. N/A	- 🗌 Yes	
Wall Insulation: Minimum R-13 glass fiber/mineral wool installed throughout stud bay	X Yes	
Exterior solid sheathing must be covered with overlapping asphalt felt.	X Yes	🗌 No
Interior wall finish: 5/8" min. gyp-board/plaster.	X Yes	
EXTERIOR WINDOWS		
Openable windows: STC 40 dB min. and air infiltration rate of 0.5 cf/m max. in accordance w/ ASTM E-283.	X Yes	□ No
 Fixed Windows must be: STC 40 dB, or 5/8-inch laminated glass STC 40 dB and set in non-hardening glazing material, or Glass block at least 3-1/2 inches thick 	X Yes	
Max glazing in sleeping rooms: Total area of glazing shall not exceed 20% of floor or wall area	X Yes	
EXTERIOR DOORS		
Exterior hinged doors facing the source of the noise must be min. STC 40 dB.	X Yes	
Sliding glass doors not facing source of noise must be min STC 35 dB. Direct exposure not permitted.	X Yes	
Access doors from attached garage to residence interior: STC 30 dB min. N/A	- Tres	

Community & Economic 3900 Main Street, 3rd Floor • Riverside, CA 92522 **Development Department Building & Safety Division** fice Hours M-**ROOF/CEILING CONSTRUCTION** Roof rafters: slope of 4:12 min. w/ 1/2" solid sheathing and roofing. Attic Insulation (batt or blow-in glass fiber or mineral wool): R-30 min. between ceiling jois Attic ventilation: 1. Gable vents or vents that penetrate the roof w/ 6' min. transfer ducts that are insi or metal ducts w/ 1" fiberglass sound absorbing duct liner must have a 90-degree of sight from the exterior, or 2. Noise control louver vents, or 3. Eave vents located under the eave overhang Ceilings: 5/8" gypsum wallboard/plaster and mounted on resilient channel. Skylights: Completely enclosed light well from the roof opening to the ceiling opening w/ r laminated glass secondary openable glazing panel: Mounted at the ceiling line, and 2. 4" min. between panels. Size not to exceed 20% of roof area of room.

951.826.5800

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VENTILATION

FIREPLACES

EXISTING SWIMMING POOL REQUIREMENTS

WHEN A BUILDING PERMIT IS ISSUED FOR THE CONSTRUCTION OF A NEW SWIMMING POOL OR SPA OR THE REMODELING OF AN EXISTING SWIMMING POOL OR SPA AT A PRIVATE SINGLE-FAMILY HOME, THE RESPECTIVE SWIMMING POOL OR SPA SHALL BE EQUIPPED WITH AT LEAST TWO OF THE FOLLOWING SEVEN DROWNING PREVENTION SAFETY FEATURES: (1) AN ENCLOSURE THAT MEETS THE REQUIREMENTS OF SECTION 115923 AND ISOLATES THE SWIMMING

POOL OR SPA FROM THE PRIVATE SINGLE-FAMILY HOME. (2) REMOVABLE MESH FENCING THAT MEETS AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) SPECIFICATIONS F2286 STANDARDS IN CONJUNCTION WITH A GATE THAT IS SELF-CLOSING AND

SELF-LATCHING AND CAN ACCOMMODATE A KEY LOCKABLE DEVICE. (3) AN APPROVED SAFETY POOL COVER, AS DEFINED IN SUBDIVISION (D) OF SECTION 115921. (4) EXIT ALARMS ON THE PRIVATE SINGLE-FAMILY HOME'S DOORS THAT PROVIDE DIRECT ACCESS TO THE SWIMMING POOL OR SPA. THE EXIT ALARM MAY CAUSE EITHER AN ALARM NOISE OR A VERBAL WARNING, SUCH AS A REPEATING NOTIFICATION THAT "THE DOOR TO THE POOL IS OPEN." (5) A SELF-CLOSING, SELF-LATCHING DEVICE WITH A RELEASE MECHANISM PLACED NO LOWER THAN 54 INCHES ABOVE THE FLOOR ON THE PRIVATE SINGLE-FAMILY HOME'S DOORS PROVIDING DIRECT

ACCESS TO THE SWIMMING POOL OR SPA. (6) AN ALARM THAT, WHEN PLACED IN A SWIMMING POOL OR SPA, WILL SOUND UPON DETECTION OF ACCIDENTAL OR UNAUTHORIZED ENTRANCE INTO THE WATER. THE ALARM SHALL MEET AND BE INDEPENDENTLY CERTIFIED TO THE ASTM STANDARD F2208 "STANDARD SAFETY SPECIFICATION FOR RESIDENTIAL POOL ALARMS," WHICH INCLUDES SURFACE MOTION, PRESSURE, SONAR, LASER, AND INFRARED TYPE ALARMS. A SWIMMING PROTECTION ALARM FEATURE DESIGNED FOR INDIVIDUAL USE, INCLUDING AN ALARM ATTACHED TO A CHILD THAT SOUNDS WHEN THE CHILD EXCEEDS A CERTAIN DISTANCE OR BECOMES SUBMERGED IN WATER, IS NOT A QUALIFYING DROWNING PREVENTION SAFETY FEATURE.

(7) OTHER MEANS OF PROTECTION, IF THE DEGREE OF PROTECTION AFFORDED IS EQUAL TO OR GREATER THAN THAT AFFORDED BY ANY OF THE FEATURES SET FORTH ABOVE AND HAS BEEN INDEPENDENTLY VERIFIED BY AN APPROVED TESTING LABORATORY AS MEETING STANDARDS FOR THOSE FEATURES ESTABLISHED BY THE ASTM OR THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME).

(B) BEFORE THE ISSUANCE OF A FINAL APPROVAL FOR THE COMPLETION OF PERMITTED CONSTRUCTION OR REMODELING WORK, THE LOCAL BUILDING CODE OFFICIAL SHALL INSPECT THE DROWNING SAFETY PREVENTION FEATURES REQUIRED BY THIS SECTION AND, IF NO VIOLATIONS ARE FOUND, SHALL GIVE FINAL APPROVAL EXCEPT AS PROVIDED IN SECTION 115925, WHEN A BUILDING PERMIT IS ISSUED FOR THE

CONSTRUCTION OF A NEW SWIMMING POOL AND/OR SPA THE REMODELING OF AN EXISTING SWIMMING POOL AND/OR SPA AT A PRIVATE SINGLE-FAMILY HOME, THE RESPECTIVE SWIMMING POOL AND.OR SPA SHALL BE EQUIPPED WITH ITEM NO.1 SUBSECTION 115922 (A) AND AT LEAST ONE ADDITION ITEM OF THE FOLLOWING SEVEN DROWNING PREVENTION FEATURES.

FIRE NOTES

1. NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FORM THE STREET OR ROAD FRONTING THE PROPERTY. THESE NUMBERS SHALL BE A MINIMUM OF 4 INCHES HIGH WITH A MINIMUM STROKE OF .5 INCHES. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. CFC SECTION

2. ALL FIRE APPARATUS ROADS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED VERTICAL CLEARANCE OF NO LESS THAN 13 FEET 6 INCHES.

3. SITE PLAN SHALL PROVIDE DIMENSIONS SHOWING REQUIRED FIRE APPAR FIRE ACCESS ROADWAYS SHALL HAVE AN UNOBSTRUCTED IMPROVED WI THAN 20 FEET.

FIRE ACCESS ROADWAYS SURFACE FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAIL THE IMPOSED LOADS OF FIRE APPARATUS NOT LESS THAN 80,000 LBS AND WITH AN APPROVED PACED SURFACE TO PROVIDE ALL-WEATHER DRIVING GATED ENTRANCES WITH CARD READERS, GUARD STATIONS OR CENTER N HAVE SEPARATED LANES OF ONE-WAY TRAFFIC, SHALL BE NOT LESS THAT LANE.

GENERAL NOTES

- 1. SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS 7. AND NOTES NOT SHOWN. 2. SEE BUILDING PLANS AND SCHEDULES FOR ALL 8.
- EXTERIOR DOOR AND WINDOW REFERENCES AND LOCATIONS.
- 3. YARD SETBACKS ARE TO BE MEASURED FROM THE EXTERIOR WALL FINISH TO THE PROPERTY LINE AND NOT FROM THE OUTSIDE OF THE FOOTING (OR FACE OF STUDS). THE PLANS MUST BE DESIGNED WITH THE WALL FINISH THICKNESS (I.E. 7/8" STUCCO, ETC.) ADDED TO THE PLAN FOR THE SETBACK MEASUREMENT. THE FIELD INSPECTOR WILL ADD THE PLANNED WALL FINISH THICKNESS TO THE
- FOUNDATION SETBACK. 4. NEW ELECTRIC SERVICE IS TO BE LOCATED - POOLS, SPAS, WALLS, FENCES, PATIO COVERS AND OTHER 10. PROJECTIONS, INCLUDING EAVES, MUST BE AT FREESTANDING STRUCTURES REQUIRE SEPARATE **REVIEWS AND PERMITS**
- 5. LANDSCAPE AND IRRIGATION WATER USE SHALL HAVE WEATHER OR SOIL BASED CONTROLLERS
- 6. ADU WILL BE CONNECTED TO THE PUBLIC SEWER SYSTEM OR WILL PROVIDE A COMPLYING SEPTIC SYSTEM.

CAL-OSHA PERMIT IS REQUIRED FOR EXCAVATIONS DEEPER THAN 5' AND SHORING AND UNDERPINNING. A DIMENSIONED SITE PLAN DRAWN TO SCALE SHALL BE PROVIDED SHOWING THE FOLLOWING: NORTH ARROW, PROPERTY LINES, EASEMENTS, STREETS, EXISTING AND PROPOSED BUILDINGS, AND STRUCTURES, LOCATION OF YARDS USED FOR ALLOWABLE INCREASE OF BUILDING AREA, DIMENSIONED SETBACKS, MINIMUM SEPARATION FROM EXISTING STRUCTURES AND FUEL MODIFICATION ZONES PER UNIFORM ADMINISTRATIVE CODE SECTION 302. IF A GRADING PLAN IS REQUIRED, INCORPORATE THE

ENTIRE APPROVED GRADING PLAN/IMPROVEMENT PLAN (ALL SHEETS) WITH THE BUILDING PLANS. LEAST 24" FROM PROPERTY LINES.

c. THE GRADE SHALL FALL NOT FEWER THAN 6 WALLS, SLOPES OR OTHER PHYSICAL BARRIER DRAINS OR SWALES SHALL BE CONSTRUCTED IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED NOT LESS THAN 2 PERCENT AWAY FROM THE BUILDING. [CRC R401.3]

WALL AND PROJECTION SEPARATION REQUIREMENTS TO PROPERTY LINES AND ADJACENT BUILDINGS

	Office Hours M-F: 8:00 AM -4:30 PM Wednesdays 9:00 AM TO 4:30 PM	
		The fire-resistance rating shall be permitted to be reduced to 0 hours on the underside of the eave
		overhang if fireblocking is provided from the wall top measured from: plate to the underside of the roof sheathing. Interior lot line
ROOF/CEILING CO	ISTRUCTION 4:12 min. w/ 1/2" solid sheathing and roofing. X	Alternate attic venting locations may be required. OR
	br blow-in glass fiber or mineral wool): R-30 min. between ceiling joists.	Centerline of a street, alley, or public way
Attic ventilation:	pr vents that penetrate the roof w/ 6' min. transfer ducts that are insulating flexible ducting	FSD: Distance OR
or metal due	ts w/ 1" fiberglass sound absorbing duct liner must have a 90-degree bend w/ no direct line X Yes No	to property line two buildings on the lot
2. Noise contro	l louver vents, or located under the eave overhang	
	wallboard/plaster and mounted on resilient channel.	
laminated glass secor	enclosed light well from the roof opening to the ceiling opening w/ min. 3/16" plastic or dary openable glazing panel:	
	the ceiling line, and N/A Ves No een panels. Size not to exceed 20% of roof area of room.	When the FSD is less than the amount
VENTILATION		specified in Table R302.1(1) or R302.1(walls are required to be rated, opening
	resh air supply min. 2 air exchanges without opening to the exterior. All concealed ductwork All concealed ductwork Yes No	sizes may be limited, projections may
	hoods: Non-ducted recirculating type with no ducted connection to the exterior.	Requirement of "testing to be done FSD: Distance require fire ratings, and penetrations require special treatment.
FIREPLACES		require specific finishes and methods to wall to
Each fireplace: Provid	e a damper at the top of the chimney and glass doors at firebox N/A Ves No	be used on both inside and outside of property line the wall construction per the applicable
Openings in the shell	(access panels, pet doors, mail delivery drops, air-conditioning) are prohibited unless	wall assembly detail or listing.
designed to maintain		Foundation vents complying with code are allowed in any
Before the approval o	f a building permit, the applicant shall demonstrate compliance with the municipal code to reduce the interior	condition. They don't count toward the area of openings.
Provision of an acous	or less by one of the following methods: cical analysis report prepared by an acoustical engineer or firm and recommendations for Yes No	
	or walls in compliance with City of Riverside Noise Insulation construction requirement per	
the requirements of t	his checklist.	PLEASE NOTE: NOT ALL ELEVATIONS IN THESE PERMIT READY ADU PLANS COMPLY WITH 25% MAX OPENINGS RULE FOR
	ect owner or authorized agent, I have read and understood the requirements listed above, and I certify ith these requirements.	NON-SPRINKLERED BUILDING AND THEREFORE A MINIMUM SEPARATION OF 5' TO THE PROPERTY LINE WOULD BE REQUIRED AND MINIMUM10' TO ADJACENT BUILDINGS (FOR NON-SPRINKLERED BUILDINGS).
that i will comply w	ith these requirements.	
Owner or Authorize	d Agent Printed Name Owner or Authorized Agent Signature	WALLS OF UNSPRINKLERED BUILDINGS BETWEEN 5 AND 3 FEET TO PROPERTY LINES SHALL BE ONE-HOUR RATED CONSTRUCTION AND HAVE A MAXIMUM OF 25% OF UNPROTECTED/PROTECTED OPENINGS. [CRC TABLE R302.1(1)]
		WALLS OF UNSPRINKLERED BUILDINGS CLOSER THAN 3 FEET TO PROPERTY LINES SHALL BE ONE-HOUR RATED
	Page 2 2	CONSTRUCTION AND HAVE NO OPENING. [CRC TABLE R302.1(1)]
		PROJECTIONS, INCLUDING EAVES, SHALL BE ONE-HOUR FIRE-RESISTIVE CONSTRUCTION, HEAVY TIMBER OR OF FRT WOOD
		IF THEY PROJECT INTO THE 3/5 FOOT (SPRINKLERED /UNSPRINKLERED) SETBACK AREA FROM THE PROPERTY LINE. THEY MAY PROJECT A MAXIMUM OF 12 INCHES BEYOND THE 3 FOOT SETBACK. [CRC TABLES R302.1(1) AND R302.1(2), WITH
		EXCEPTIONS]
	T SHALL PROVIDE A DIMENSIONED AND SCALED SITE PLAN SHOWING PROPERTY DS, DIMENSIONED SETBACKS, EASEMENTS, UTILITIES, STREETS, EXISTING AND	
	PROPOSED BUILDINGS, MINIMUM SEPARATION STRUCTURES, AND FUEL MODIFICATION ZONES IF APPLICABLE. SEE EXAMPLE SITE	
	PLAN IN THIS SET FOR REFERENCE	
	F SHALL IMPLEMENT SITE DESIGN STORMWATER BEST MANAGEMENT PRACTICES IMPACT DEVELOPMENT (LID) CONCEPTS SUCH AS IMPERVIOUS AREA DISPERSION,	
DRAINAGE TO	NATURAL VEGETATION, REDUCTION IN IMPERVIOUS SURFACES, BREAKING UP	
IARDSCAPE AR	EA, ETC. APPLICANT IS REQUIRED TO INCORPORATE THESE CONCEPTS WITH NEW CONSTRUCTION	
ALL SEP	TIC SYSTEMS SHALL COMPLY WITH THE RIVERSIDE EHS LAMP STANDARDS	
	TIDE DIMENSIONS SHOWING REQUIRED FIRE APPARATUS ACCESS ROADS.	G LEGAL LOTS THAT HAVE EASEMENTS ACCESS ROADWAYS LESS THAN 20 FEET WIDE THAT E PRIMARY ACCESS TO OTHER LOTS SHALL RECORD A COVENANT GRANTING EASEMENT EQUIPPED WITH AN APPROVED EMERGENCY KEY-(
20 FEET.		FOR EMERGENCY VEHICLE INGRESS AND EGRESS PURPOSES AND SHALL RELINQUISH RIGHTS FUNCTIONS AND OPENING THE GATE. WHERE THIS DANY BUILDING, WALL, FENCE, OR OTHER STRUCTURE WITHIN 5 FEET OF THE EXISTING SWITCH.AN INFRARED AUTOMATIC GATE SYSTEM I
CESS ROADWA	ACCESS	EASEMENT. RIVERSIDE ONLY REQUIRES ONE KEY SWITCH AS F
POSED LOADS O	F FIRE APPARATUS NOT LESS THAN 80,000 LBS AND SHALL BE PROVIDED	.D END FIRE APPARATUS ACCESS ROADWAY IN EXCESS OF 150 FEET IN LENGTH SHALL BE ED WITH AND APPROVED AREA FOR TURNING AROUND FIRE APPARATUS. ACCESS ROADS
ENTRANCES WI	H CARD READERS, GUARD STATIONS OR CENTER MEDIANS, WHICH WILL	G MORE THAN (4) FOUR DWELLING UNITS SHALL BE PROVIDED WITH A CUL-DE-SAC. THE // UNOBSTRUCTED PAVED RADIUS WIDTH FOR A CUL-DE-SAC SHALL BE 36 FEET CURB LINE TO
EPARATED LAN		NE WITH NO PARKING. ALTERNATE TYPES OF TURN-AROUND (HAMMERHEADS, ETC.) MAY BE ERED BY THE FIRE MARSHAL AS NEEDED TO ACCOMPLISH THE INTENT OF THE FIRE CODE.
	DIVISION 2 - SITEWORK	
IS IG.	1. SITE PREPARATION PROJECT IS TO BE STAKED OUT FOR OWNER APPROVAL BEFORE FOR EARTHWORKIS	TO BEGIN.
NLL	2. SITE CLEARING	
	CONTRACTOR WILL VERIFY WITH OWNER ALL PLANTING TO BE REMOVED PRIOR TO STARTING WORK.	
ND	3. LINES AND LEVELS	
	THE CONTRACTOR WILL VISIT THE SITE AND EVALUATE GRADE CONDITION. FOR BIDDIN PURPOSES, THE CONTRACTOR WILL CALCULATE HIS OWN CUT AND FILL QUANTITIES BA	
	ON THE SITE PLAN.	
	4. SHORING IS TO BE PROVIDE AS REQUIRED	
ΓHE ·	5. EARTH WORK a. ALL GRADING SHOULD BE PERFORMED IN ACCORDANCE WITH THE CITY OF CITY OF	
	GRADING ORDINANCE	
	b. THE CONTRACTOR IS TO VERIFY THE LOCATION OF UTILITY SERVICE IN THE AREA PR EXCAVATION.	
	c. THE GRADE SHALL FALL NOT FEWER THAN 6 INCHES WITHIN THE FIRST 10 FEET. WHE WALLS, SLOPES OR OTHER PHYSICAL BARRIERS PROHIBIT 6 INCHES OF FALL WITHIN 10	,
	DRAINS OR SWALES SHALL BE CONSTRUCTED TO ENSURE DRAINAGE AWAY FROM THE	

TABLE R302.1(1) **EXTERIOR** WALLS

EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE	
Walls	Fire- resistance rated	1 hour—tested in accordance with ASTM E119, UL 263 or Section 703.3 of the <i>California Building Code</i> with exposure from both sides	0 feet	
	Not fire- resistance rated	0 hours	≥ 5 feet	
	Not allowed	NA	< 2 feet	
Projections	Fire- resistance rated	1 hour on the underside, or heavy timber, or fire- retardant-treated wood ^{a, b}	≥ 2 feet to < 5 feet	
	Not fire- resistance rated	0 hours	≥ 5 feet	
	Not allowed	NA	< 3 feet	
Openings in walls	25% maximum of wall area	0 hours	3 feet	
	Unlimited	0 hours	5 feet	
Desetations	All	Comply with Section R302.4	< 3 feet	
Penetrations	All	None required	3 feet	

TABLE R302.1(2)

EXTERIOR WALLS-DWELLINGS AND ACCESSORY BUILDINGS WITH AUTOMATIC RESIDENTIAL FIRE SPRINKLER PROTECTION

EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE	
Fire- resistan rated		1 hour—tested in accordance with ASTM E119, UL 263 or Section 703.2.2 of the <i>California Building Code</i> with exposure from the outside		
	Not fire- resistance rated	resistance 0 hours		
	Not allowed	NA	< 2 feet	
Projections	Fire- resistance rated	1 hour on the underside, or heavy timber, or fire- retardant-treated wood ^{b, c}	2 feetª	
	Not fire- resistance rated	0 hours	3 feet	
Openings in	Not allowed	NA	< 3 feet	
walls	Unlimited	0 hours	3 feetª	
Departmetiane	All	Comply with Section R302.4	< 3 feet	
Penetrations	All	None required	3 feetª	

A FIRE ACCESS ROADWAY OR DRIVEWAY SHALL BE OPERATED SWITCH OVERRIDING ALL COMMAND SECTION REQUIRES AN APPROVED KEY-OPERATED IS REQUIRED WITH THE KNOX KEY SWITCH. CITY OF FIRE AND PD HAVE THE SAME KEYS.



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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:

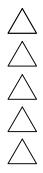
. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS, DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OF LEGAL EXPOSURE TO DESIGN PATH STUDIO, NO WARRANTIES OF ANY NATURE. WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM AN' USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT T COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH



project

City of Riverside Pre-Approved **ADU** Program

revisions



description

Site Informatior

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	

SITE INFORMATION CHECKLIST:

X TO BE INCLUDED ON SITE PLAN ALL EXTERIOR SITE BOUNDARIES CORRECTLY SCALED AND DIMENSIONED NORTH ARROW SCALE OF PLANS, GRAPHIC AND WRITTEN LEGEND OF SYMBOLS, LINES, ABBREVIATIONS, ETC. USED ON PLANS SITE CONTOURS, GRADE ELEVATIONS, AND OTHER TOPOGRAPHIC FEATURES LOCATION AND DIMENSION OF ALL DRIVEWAY, ACCESS ROADS, AND CURB CUTS SHOW FIRE ACCESS ROADS / DRIVEWAY - MAX FIRE HOSE PULL OF 150 FT LENGTH LOCATION AND DIMENSIONS OF ALL EASEMENTS (ELECTRIC, WATER, SEWER, ETC) REQUIRED AND PROPOSED BUILDING SETBACKS LOCATION OF EXISTING AND PROPOSED BUILDINGS AND STRUCTURES DISTANCE OF ALL STRUCTURES FROM EACH OTHER AND FROM PROPERTY LINES LOCATION AND HEIGHT OF ALL FENCES AND RETAINING WALLS LOCATION AND SIZE OF OFF-STREET PARKING LOCATION OF EXISTING AND PROPOSED VEGETATION LOCATION OF EXISTING AND PROPOSED UTILITIES TO NEW ADU LOCATION OF EXISTING AND NEW UTILITIES (SEWER LATERAL CLEANOUTS. GAS LINES, ELECTRICAL OVERHEAD, OR UNDERGROUND CONDUCTORS.) SEE SHEET T1.1 FOR ADDITIONAL INFORMATION FOR UTILITY SERVICE REQUIREMENTS NEW SEWER LATERAL SERVING THE NEW ADU IS TO COMPLY WITH CPC 311.1 ADU SEWER LINE CANNOT BE CONNECTED DIRECTLY TO THE EXISTING MAIN DWELLING UNIT IF THERE ARE 35 OR MORE EXISTING FIXTURE UNITS PER TABLE 02.1. OR FIVE OR MORE TOILETS AND A 3 INCH SEWER DRAIN ALREADY EXISTS IN THE MAIN DWELLING UNIT PER CURRENT CPC TABLE 703.2 LOCATION OF EXISTING AND NEW METER LOCATIONS (GAS, ELECTRICAL, WATER.) WHERE EXISTING ELECTRICAL SERVICE IS TO REMAIN, IDENTIFY THE FOLLOWING . EXISTING MAIN SERVICE PANEL LOCATION AND SIZE. 2. NEW ADU SUBPANEL LOCATION AND SIZE. WHERE EXISTING ELECTRICAL SERVICE IS UPGRADED OR RELOCATED, INDICATE THE FOLLOWING: 1. NEW ADU SUBPANEL LOCATION AND SIZE ONLY. SITE PLAN SIGNED BY PREPARER. LOCATION OF SEPTIC SYSTEM AND LEACH LINES (IF APPLICABLE) EXISTING AND/OR PROPOSED SOILS: IDENTIFY IS LAND IS SUBJECT TO LIQUEFACTION / GEO HAZARD OR SPECIAL STUDY ZONE PER INFORMATION FILLED OUT BY CITY STAFF ON SHEET T1.1 FLOOD: IDENTIFY IF LAND IS SUBJECT TO OVERFLOW, INUNDATION OR FLOOD HAZARD PER INFORMATION FILLED OUT BY CITY STAFF ON SHEET T1.1 FLOOD ZONE FIRE: IDENTIFY IF LAND IS WITHIN FIRE HAZARD SENSITIVITY ZONE PER INFORMATION FILLED OUT BY CITY STAFF ON SHEET T1.1 TOPOGRAPHY / SLOPE OF LAND AROUND ADU DESIGNED TO DRAIN AWAY FROM ADU AND MAIN DWELLING UNIT CLEANOUTS SHALL BE PLACED INSIDE THE BUILDING NEAR THE CONNECTION BETWEEN THE BUILDING DRAIN AND THE BUILDING SEWER OR INSTALLED OUTSIDE THE BUILDING AT THE LOWER END OF THE BUILDING DRAIN AND EXTENDED TO GRADE. ADDITIONAL BUILDING SEWER CLEANOUTS SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED 100 FEET IN STRAIGHT RUNS AND FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES. [CPC 719.1] ADU MUST BE A MINIMUM 4 FEET FROM ADJACENT STRUCTURES. IDENTIFY THE FINISHED FLOOR ELEVATION OF THE ACCESSORY DWELLING UNIT (ADU). IF THE MANHOLE RIM ELEVATION UPSTREAM FROM THE SEWER LATERAL CONNECTION IS HIGHER THAN THE PROPOSED ADU, A BACKWATER VALVE SHALL BE INSTALLED ON THE BUILDING SEWER LATERAL. [CPC 710.1] DRAINAGE PIPING SERVING FIXTURES THAT ARE LOCATED BELOW THE CROWN LEVEL OF THE MAIN SEWER SHALL DISCHARGE INTO AN APPROVED WATERTIGHT SUMP OR RECEIVING TANK. SO LOCATED AS TO RECEIVE THE SEWAGE OR WASTES BY GRAVITY. FROM SUCH SUMP OR RECEIVING TANK. THE SEWAGE OR OTHER LIQUID WASTES SHALL BE LIFTED AND DISCHARGED INTO THE BUILDING DRAIN OR BUILDING SEWER BY APPROVED EJECTORS, PUMPS, OR OTHER EQUALLY EFFICIENT APPROVED MECHANICAL DEVICES. [CPC 710.2] INDICATE DESIGN FLOOD ELEVATION, AND FINISH FLOOR ELEVATION. INDICATE DISTANCE OF STRUCTURE TO ADJACENT SLOPES. THE PLACEMENT OF BUILDINGS AND STRUCTURES ON OR ADJACENT TO SLOPES STEEPER THAN 1 UNIT VERTICAL IN 3 UNITS HORIZONTAL (33.3% SLOPE) SHALL COMPLY WITH SECTIONS 1808.7.1 THROUGH 1808.7.5. [CBC 1808.7]

KEYNOTES

DECK / AWNING / STRUCTURE ABOVE

8 MAIN PANELBOARD LOCATION SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS

10 SURFACE WATER IS TO DRAIN AWAY FROM

11 FEEDER TO EXTEND TO EXISTING PANEL

12 NEW ADU SUB PANEL / DISCONNECT /

SYSTEM PER NEC ARTICLE 250.32

BUILDING. GRADE SHALL FALL A MIN. OF 6"

JUNCTION BOX AND GROUNDING ELECTRODE

2 LINE OF ROOF OVERHANG /

3 REQUIRED SETBACKS

4 PROPERTY LINE, TYP.

6 EXISTING GAS METER

9 CONDENSING UNIT

5 FENCE- HEIGHT PER PLAN

7 EXISTING WATER METER

WITHIN THE FIRST 10 FEET

PROPOSED SITE PLAN

LEGEND

1/16" = 1'-0"

TREET MANE

WAT.MET

13

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CURB

7

5

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DRIVEWAY

1 1% MIN

12% MAL

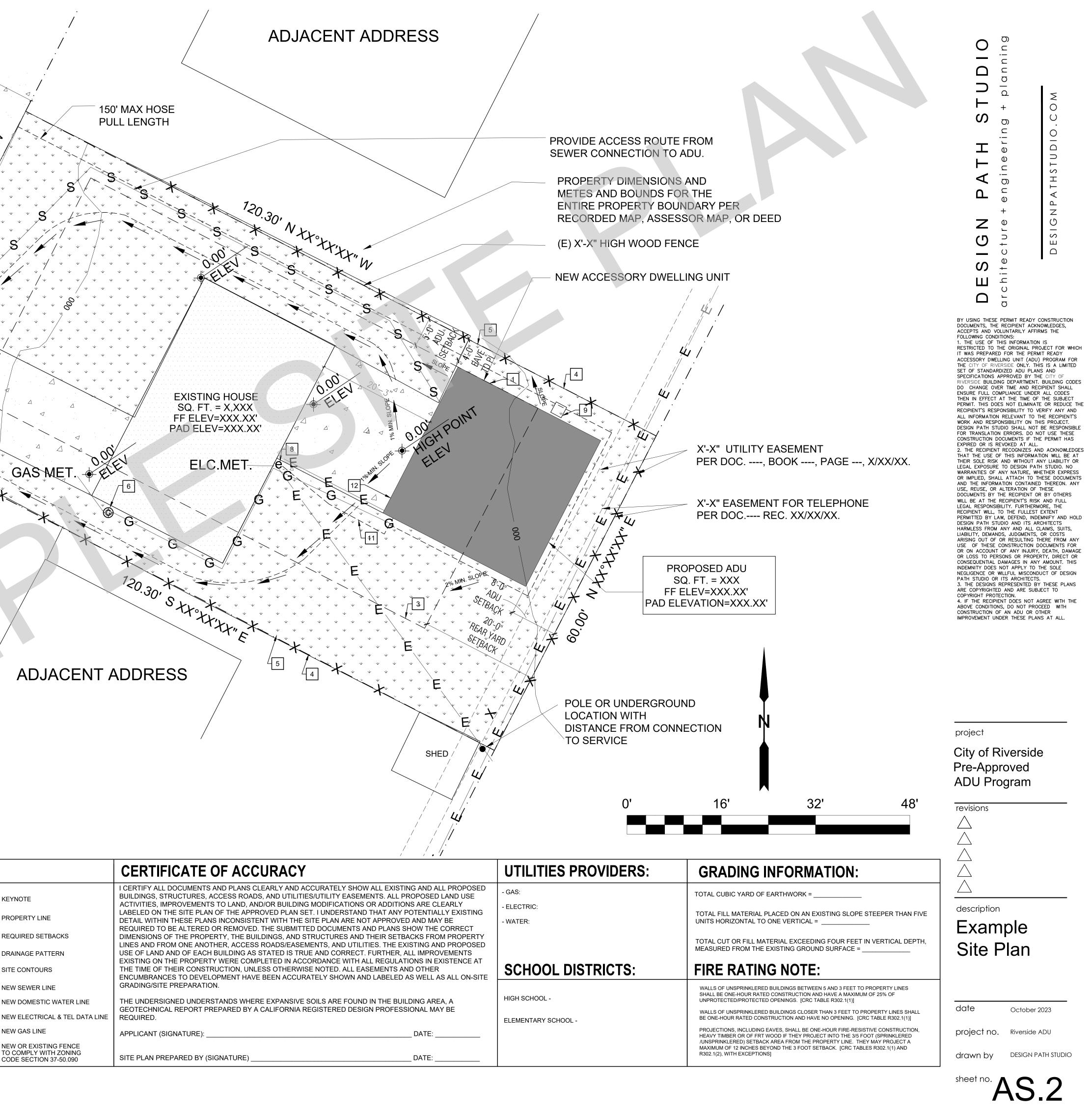
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GENERAL NOTES 1 LINE OF EXTERIOR WALL, TYP.

- SPOT DIMENSIONS INDICATE ESTIMATED GRADE HEIGHTS. VERIFY IN FIELD PRIOR TO CONSTRUCTION. SEE BUILDING PLANS FOR ALL OTHER
- DIMENSIONS AND NOTES NOT SHOWN. SEE BUILDING PLANS AND SCHEDULES FOR ALL EXTERIOR DOOR AND WINDOW
- REFERENCES AND LOCATIONS. YARD SETBACKS ARE TO BE MEASURED FROM THE EXTERIOR WALL FINISH TO THE PROPERTY LINE AND NOT FROM THE
- OUTSIDE OF THE FOOTING (OR FACE OF STUDS). SEWER DRAIN CLEANOUTS REQUIRED AT 100 FOOT INTERVALS AND CHANGES IN
- DIRECTION OF 135 DEGREES OR MORE. LOAD-BEARING CAPACITY OF 1,500 PSF IS ASSIGNED FOR FOUNDATION WHERE THE FOUNDATION IS EMBEDDED IN NON-EXPANISVE NATURAL GROUND. WHERE EXPANISVE SOILS ARE FOUND IN THE BUILDING AREA, A GEOTECHNICAL REPORT PREPARED BY A CALIFORNIA REGISTERED DESIGN PROFESSIONAL MAY BE REQUIRED.

	1	KEY
SPOT GRADE ELEVATION		PRO
AREA OF NEW BUILDING FOOTPRINT		REQ
	>	DRA
AREA OF EXISTING BUILDING FOOTPRINT	-000	SITE
	<u> </u>	NEW
CONCRETE PAVING		NEW
	— <u> </u>	NEW
LANDSCAPE		NEW
	<u> </u>	NEW TO C



	CERTIFICATE OF ACCURACY	UTILITIES PROV
DTE	I CERTIFY ALL DOCUMENTS AND PLANS CLEARLY AND ACCURATELY SHOW ALL EXISTING AND ALL PROPOSED BUILDINGS, STRUCTURES, ACCESS ROADS, AND UTILITIES/UTILITY EASEMENTS. ALL PROPOSED LAND USE ACTIVITIES, IMPROVEMENTS TO LAND, AND/OR BUILDING MODIFICATIONS OR ADDITIONS ARE CLEARLY	- GAS: - ELECTRIC:
ERTY LINE	LABELED ON THE SITE PLAN OF THE APPROVED PLAN SET. I UNDERSTAND THAT ANY POTENTIALLY EXISTING DETAIL WITHIN THESE PLANS INCONSISTENT WITH THE SITE PLAN ARE NOT APPROVED AND MAY BE REQUIRED TO BE ALTERED OR REMOVED. THE SUBMITTED DOCUMENTS AND PLANS SHOW THE CORRECT	- WATER:
RED SETBACKS	DIMENSIONS OF THE PROPERTY, THE BUILDINGS, AND STRUCTURES AND THEIR SETBACKS FROM PROPERTY LINES AND FROM ONE ANOTHER, ACCESS ROADS/EASEMENTS, AND UTILITIES. THE EXISTING AND PROPOSED	
AGE PATTERN	USE OF LAND AND OF EACH BUILDING AS STATED IS TRUE AND CORRECT. FURTHER, ALL IMPROVEMENTS EXISTING ON THE PROPERTY WERE COMPLETED IN ACCORDANCE WITH ALL REGULATIONS IN EXISTENCE AT	
ONTOURS	THE TIME OF THEIR CONSTRUCTION, UNLESS OTHERWISE NOTED. ALL EASEMENTS AND OTHER ENCUMBRANCES TO DEVELOPMENT HAVE BEEN ACCURATELY SHOWN AND LABELED AS WELL AS ALL ON-SITE	SCHOOL DISTR
EWER LINE	GRADING/SITE PREPARATION.	
OOMESTIC WATER LINE	THE UNDERSIGNED UNDERSTANDS WHERE EXPANSIVE SOILS ARE FOUND IN THE BUILDING AREA, A GEOTECHNICAL REPORT PREPARED BY A CALIFORNIA REGISTERED DESIGN PROFESSIONAL MAY BE	HIGH SCHOOL -
LECTRICAL & TEL DATA LINE	REQUIRED.	ELEMENTARY SCHOOL -
GAS LINE	APPLICANT (SIGNATURE): DATE:	
OR EXISTING FENCE MPLY WITH ZONING SECTION 37-50.090	SITE PLAN PREPARED BY (SIGNATURE) DATE:	

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

	RESIDENTAL			
Y N/A RESPON. PARTY	CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL	Y N/A □ □	RESPON. PARTY	4.303.1.4 Faucets. 4.303.1.4.1 Residential Lavatory F not exceed 1.2 gallons per minute at not be less than 0.8 gallons per minute
	301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.			4.303.1.4.2 Lavatory Faucets in C 4.303.1.4.3 Metering Faucets N 4.303.1.4.4 Kitchen Faucets. The
	301.1.1 Additions and alterations. [HCD] The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the specific area of the addition or alteration.			per minute at 60 psi. Kitchen faucets to exceed 2.2 gallons per minute at 6 minute at 60 psi. Note : Where complying faucets are
	The mandatory provision of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section 4.106.4.3 for application.			reduction. 4.303.1.4.5 Pre-rinse spray valves
	Note: Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section. Note: On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or			 4.303.2 Submeters for multifamily buildings at buildings NOT USED 4.303.3 Standards for plumbing fixtures and fi accordance with the <i>California Plumbing Code</i>, a
	improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.			1701.1 of the <i>California Plumbing Code</i> . NOTE: THIS TABLE COMPILES THE DATA IN S CONVENIENCE FOR THE USER.
	301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] - NOT USED SECTION 302 MIXED OCCUPANCY BUILDINGS			TABLE - MAXIMUM FIXTURE V
	302.1 MIXED OCCUPANCY BUILDINGS NOT USED DIVISION 4.1 PLANNING AND DESIGN			SHOWER HEADS (RESIDENTIAL)
	ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development BSC California Building Standards Commission DOM Development of the Out to Analytic to Characteria Commission			LAVATORY FAUCETS IN COMMON & PU USE AREAS KITCHEN FAUCETS
	DSA-SSDivision of the State Architect, Structural SafetyOSHPDOffice of Statewide Health Planning and DevelopmentLRLow RiseHRHigh Rise			METERING FAUCETS WATER CLOSET
	AA Additions and Alterations N New CHAPTER 4			URINALS
	RESIDENTIAL MANDATORY MEASURES SECTION 4.102 DEFINITIONS 4.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference)			4.304 OUTDOOR WATER USE 4.304.1 OUTDOOR POTABLE WATER USE IN a local water efficient landscape ordinance or the Efficient Landscape Ordinance (MWELO), which NOTES:
	FRENCH DRAIN. A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar pervious material used to collect or channel drainage or runoff water.			 The Model Water Efficient Landscape C Title 23, Chapter 2.7, Division 2. MWEL available at: https://www.water.ca.gov/
	 WATTLES. Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials such as hay, straw or similar material shaped in the form of tubes and placed on a downflow slope. Wattles are also used for perimeter and inlet controls. 4.106 SITE DEVELOPMENT 			DIVISION 4.4 MATERIAL (
	 4.106.1 GENERAL. Preservation and use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, management of storm water drainage and erosion controls shall comply with this section. 4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. Projects which disturb less 			EFFICIENCY 4.406 ENHANCED DURABILITY AI 4.406.1 RODENT PROOFING. Annular spaces a sole/bottom plates at exterior walls shall be
	than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site.			openings with cement mortar, concrete ma agency. 4.408 CONSTRUCTION WASTE RE 4.408.1 CONSTRUCTION WASTE MANAGEME
] []	 Retention basins of sufficient size shall be utilized to retain storm water on the site. 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. Compliance with a lawfully enacted storm water management ordinance. 			percent of the non-hazardous construction 4.408.2, 4.408.3 or 4.408.4, or meet a more management ordinance. Exceptions:
	Note: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in total disturbs one acre or more of soil.			 Excavated soil and land-clearing debris Alternate waste reduction methods dev recycle facilities capable of compliance
	 (Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html) 4.106.3 GRADING AND PAVING. Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following: 			 close to the jobsite. 3. The enforcing agency may make exception jobsites are located in areas beyond the second sec
	 Swales Water collection and disposal systems French drains Water retention gardens Other water measures which keep surface water away from buildings and aid in groundwater recharge. 			 necessary and shall be available during co 1. Identify the construction and demolition reuse on the project or salvage for futu 2. Specify if construction and demolition v bulk mixed (single stream).
	Exception: Additions and alterations not altering the drainage path. 4.106.4 Electric vehicle (EV) charging for new construction NOT USED 4.106.4.2 New multifamily dwellings, hotels and motels and new residential parking facilities NOT USED			 Identify diversion facilities where the contaken. Identify construction methods employed generated. Specify that the amount of construction
	4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing multifamily buildings NOT USED			by weight or volume, but not by both. 4.408.3 WASTE MANAGEMENT COMPANY. Use not compared to the set of the
	DIVISION 4.2 ENERGY EFFICIENCY 4.201 GENERAL 4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy			Note: The owner or contractor may make materials will be diverted by a waste managed
	Commission will continue to adopt mandatory standards. DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION			4.408.4 WASTE STREAM REDUCTION ALTER weight of construction and demolition wast lbs./sq.ft. of the building area shall meet the Section 4.408.1
	 4.303 INDOOR WATER USE 4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the sections 4.303.1.1, 4.303.1.2, 4.303.1.3, and 4.303.4.4. 			4.408.4.1 WASTE STREAM REDUCTION weight of construction and demolition wast per square foot of the building area, shall n requirement in Section 4.408.1
	Note: All noncompliant plumbing fixtures in any residential real property shall be replaced with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy, or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.			4.408.5 DOCUMENTATION. Documentation sha compliance with Section 4.408.2, items 1 th Notes:
	4.303.1.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets.			 Sample forms found in "A Guide (Residential)" located at www.ho documenting compliance with th Mixed construction and demolition Department of Resources Resources
	 Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush. 4.303.1.2 Urinals NOT USED 			Department of Resources Recyc 4.410 BUILDING MAINTENANCE A 4.410.1 OPERATION AND MAINTENANCE MAI disc, web-based reference or other media a
	 4.303.1.3 Showerheads. 4.303.1.3.1 Single Showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 			following shall be placed in the building: 1. Directions to the owner or occupant than life cycle of the structure.
	 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads. 4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by 			 Operation and maintenance instruction Equipment and appliances, inclu photovoltaic systems, electric ve appliances and equipment.
	showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to only allow one shower outlet to be in operation at a time. Note : A hand-held shower shall be considered a showerhead.			 b. Roof and yard drainage, includin c. Space conditioning systems, incl d. Landscape irrigation systems. e. Water reuse systems. 3. Information from local utility, water and resource consumption, including recycl

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING VERIFICATION WITH THE FULL CODE. DUE TO THE VARIABLES BETWEEN BUILDING VERIFICATION WITH THE FULL CODE.

Public transportation and/or carpool options available in the area. N/A RESP N/A RESPO PART 5. Educational material on the positive impacts of an interior relative humidity between 30-60 percent / Faucets. The maximum flow rate of residential lavatory faucets shall and what methods an occupant may use to maintain the relative humidity level in that range. at 60 psi. The minimum flow rate of residential lavatory faucets shall Information about water-conserving landscape and irrigation design and controllers which conserve inute at 20 psi. 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 Common and Public Use Areas. - NOT USED feet away from the foundation. 8. Information on required routine maintenance measures, including, but not limited to, caulking, NOT USED painting, grading around the building, etc. 9. Information about state solar energy and incentive programs available. he maximum flow rate of kitchen faucets shall not exceed 1.8 gallons 10. A copy of all special inspections verifications required by the enforcing agency or this code. cets may temporarily increase the flow above the maximum rate, but not 11. Information from the Department of Forestry and Fire Protection on maintenance of defensible at 60 psi, and must default to a maximum flow rate of 1.8 gallons per space around residential structures 12. Information and/or drawings identifying the location of grab bar reinforcements. are unavailable, aerators or other means may be used to achieve 4.410.2 RECYCLING BY OCCUPANTS. Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, es. - NOT USED corrugated cardboard, glass, plastics, organic waster, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive. and dwelling units in mixed-used residential/commercial **Exception:** Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82 (a)(2)(A) et seq. are note required to comply with the organic waste portion of fittings. Plumbing fixtures and fittings shall be installed in this section , and shall meet the applicable standards referenced in Table **DIVISION 4.5 ENVIRONMENTAL QUALITY** SECTION 4.501 GENERAL SECTION 4.303.1, AND IS INCLUDED AS A 4.501.1 Scope The provisions of this chapter shall outline means of reducing the quality of air contaminants that are odorous, irritating and/or harmful to the comfort and well being of a building's installers, occupants and neighbors. WATER USE **SECTION 4.502 DEFINITIONS** FLOW RATE 5.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) 1.8 GMP @ 80 PSI AGRIFIBER PRODUCTS. Agrifiber products include wheatboard, strawboard, panel substrates and door MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 cores, not including furniture, fixtures and equipment (FF&E) not considered base building elements. PSI **COMPOSITE WOOD PRODUCTS.** Composite wood products include hardwood plywood, particleboard and PUBLIC medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, 0.5 GPM @ 60 PSI structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of regulations (CCR), title 17, Section 1.8 GPM @ 60 PSI 93120.1 0.2 GAL/CYCLE DIRECT-VENT APPLIANCE. A fuel-burning appliance with a sealed combustion system that draws all air for 1.28 GAL/FLUSH combustion from the outside atmosphere and discharges all flue gases to the outside atmosphere. 0.125 GAL/FLUSH **MAXIMUM INCREMENTAL REACTIVITY (MIR).** The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O³/g ROC) Note: MIR values for individual compounds and hydrocarbon solvents are specified in CCR, Title 17, Sections 94700 N LANDSCAPE AREAS. Residential developments shall comply with and 94701. he current California Department of Water Resources' Model Water **MOISTURE CONTENT.** The weight of the water in wood expressed in percentage of the weight of the oven-dry wood. chever is more stringent. PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of e Ordinance (MWELO) is located in the California Code Regulations, product (excluding container and packaging). Note: PWMIR is calculated according to equations found in CCR, Title 17, Section 94521 (a). ELO and supporting documents, including water budget calculator, are REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere **CONSERVATION AND RESOURCE VOC.** A volatile organic compound (VOC) broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a). AND REDUCED MAINTENANCE 4.503 FIREPLACES s around pipes, electric cables, conduits or other openings in **4.503.1 GENERAL**. Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed be protected against the passage of rodents by closing such woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as masonry or a similar method acceptable to the enforcing applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances. REDUCTION, DISPOSAL AND RECYCLING 4.504 POLLUTANT CONTROL **MENT.** Recycle and/or salvage for reuse a minimum of 65 4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING ion and demolition waste in accordance with either Section **CONSTRUCTION.** At the time of rough installation, during storage on the construction site and until final nore stringent local construction and demolition waste startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of water, dust or debris which may enter the system. 4.504.2 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with this section. 4.504.2.1 Adhesives, Sealants and Caulks. Adhesives, sealant and caulks used on the project shall meet the leveloped by working with local agencies if diversion or ice with this item do not exist or are not located reasonably requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply: ceptions to the requirements of this section when isolated the haul boundaries of the diversion facility. 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air guality management district rules where MENT PLAN. Submit a construction waste management plan applicable or SCAQMD Rule 1168 VOC limits, as shown in Table 4.504.1 or 4.504.2, as applicable. The construction waste management plan shall be updated as Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic construction for examination by the enforcing agency. compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and tricloroethylene), except for aerosol products, as specified in Subsection 2 below. ion waste materials to be diverted from disposal by recycling, uture use or sale. 2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in n waste materials will be sorted on-site (source separated) or units of product, less packaging, which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including construction and demolition waste material collected will be prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with section 94507. yed to reduce the amount of construction and demolition waste 4.504.2.2 Paints and Coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of ion and demolition waste materials diverted shall be calculated the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss Utilize a waste management company, approved by the coating, based on its gloss, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in ifiable documentation that the percentage of construction and the landfill complies with Section 4.408.1. Table 4.504.3 shall apply. ke the determination if the construction and demolition waste 4.504.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings shall meet the Product-weighted MIR nagement company. Limits for ROC in Section 94522(a)(2) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(e)(1) and (f)(1) of California Code of ERNATIVE [LR]. Projects that generate a total combined Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air aste disposed of in landfills, which do not exceed 3.4 Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation the minimum 65% construction waste reduction requirement in 8. Rule 49. **4.504.2.4 Verification.** Verification of compliance with this section shall be provided at the request of the **ON ALTERNATIVE.** Projects that generate a total combined enforcing agency. Documentation may include, but is not limited to, the following: aste disposed of in landfills, which do not exceed 2 pounds I meet the minimum 65% construction waste reduction 1. Manufacturer's product specification. 2. Field verification of on-site product containers. shall be provided to the enforcing agency which demonstrates **4.504.3 CARPET SYSTEMS.** All carpet installed in the building interior shall meet the requirements of the 1 through 5, Section 4.408.3 or Section 4.408.4. California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) de to the California Green Building Standards Code See California Department of Public Health's website for certification programs and testing labs. .hcd.ca.gov/CALGreen.html may be used to assist in https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx. this section. ition debris (C & D) processors can be located at the California cycling and Recovery (CalRecycle). 4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic AND OPERATION Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January **IANUAL.** At the time of final inspection, a manual, compact 2017 (Emission testing method for California Specification 01350) ia acceptable to the enforcing agency which includes all of the See California Department of Public Health's website for certification programs and testing labs. that the manual shall remain with the building throughout the https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx. ons for the following: 4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1. cluding water-saving devices and systems, HVAC systems, vehicle chargers, water-heating systems and other major **4.504.4 RESILIENT FLOORING SYSTEMS.** Where resilient flooring is installed, at least 80% of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard ding gutters and downspouts. Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using cluding condensers and air filters. Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) See California Department of Public Health's website for certification programs and testing labs. nd waste recovery providers on methods to further reduce hhtps://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx. cycle programs and locations.

		Y N/A RESPON. PARTY	= = =	YES NOT APPLICABLE RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)
DIVISION 4.5	ENVIRONMENT	AL QUAL	ITY	(continued)
composite wood produ formaldehyde as spec	icts used on the interior or exter	rior of the building I Measure for Co	s shal nposit	e Wood (17 CCR 93120 et seq.),
	mentation. Verification of com agency. Documentation shall i			a shall be provided as requested ne following:
 Chain Produce CCR, Extering Wood 0121, 	ct certifications and specification of custody certifications. Ict labeled and invoiced as mee Title 17, Section 93120, et seq or grade products marked as m Association, the Australian AS CSA 0151, CSA 0153 and CS methods acceptable to the enf	eting the Compos .). neeting the PS-1 /NZS 2269, Euro A 0325 standards	or PS-2 bean 6	2 .
	MOISTURE CONTROI ngs shall meet or exceed the p		aliforn	ia Building Standards Code.
California Building Code		on-ground floors	equire	red to have a vapor retarder by ed to have a vapor retarder by the
4.505.2.1 Capilla following:	ry break. A capillary break sha	all be installed in o	omplia	ance with at least one of the
a vapol shrinka ACI 30	barrier in direct contact with co	oncrete and a cor For additional inf	crete r ormatio	clean aggregate shall be provided with nix design, which will address bleeding, on, see American Concrete Institute,
	design specified by a licensed of			
shall not be installed. W		e enclosed when	the fra	als with visible signs of water damage ming members exceed 19 percent owing:
moisture verif found in Secti 2. Moisture read of each piece	ication methods may be approv on 101.8 of this code. ings shall be taken at a point 2 verified.	red by the enforci feet (610 mm) to	ng age 4 feet	tact-type moisture meter.Equivalent ency and shall satisfy requirements (1219 mm) from the grade stamped end
				and floor framing with documentation to enclose the wall and floor framing.
Insulation products whic enclosure in wall or floor recommendations prior	cavities. Wet-applied insulation	moisture content on products shall	shall I ollow f	be replaced or allowed to dry prior to the manufacturers' drying
	IR QUALITY AND EXH aust fans. Each bathroom sha		ventil	ated and shall comply with the
				outside the building. em, fans must be controlled by a

- a. Humidity controls shall be capable of adjustment between a relative humidity range less than or equal to 50% to a maximum of 80%. 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 (i.e., built-in)

acceptable

1. For the purposes of this section, a bathroom is a room which contains a bathtub, shower or tub/shower combination 2. Lighting integral to bathroom exhaust fans shall comply with the California Energy Code.

4.507 ENVIRONMENTAL COMFORT

- 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods:
- 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 handbooks or other equivalent design software or methods. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection), or other equivalent design software or methods.
- **Exception:** Use of alternate design temperatures necessary to ensure the system functions are

CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

- State certified apprenticeship programs. 2. Public utility training programs.
- 3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations 4. Programs sponsored by manufacturing organizations.
- 5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

- 1. Certification by a national or regional green building program or standard publisher. 2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
- 3. Successful completion of a third party apprentice training program in the appropriate trade. 4. Other programs acceptable to the enforcing agency.

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. 2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

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

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SING THESE PERMIT READY CONSTRUCTION IENTS. THE RECIPIENT ACKNOWLEDGES. TS AND VOLUNTARILY AFFIRMS THE MING CONDITIONS:

USE OF THIS INFORMATION IS CTED TO THE ORIGINAL PROJECT FOR WHICH PREPARED FOR THE PERMIT READY SORY DWELLING UNIT (ADU) PROGRAM FOR Y OF RIVERSIDE ONLY. THIS IS A LIMITED STANDARDIZED ADU PLANS AND FICATIONS APPROVED BY THE CITY C

DE BUILDING DEPARTMENT. BUILDING CODES ANGE OVER TIME AND RECIPIENT SHALL FULL COMPLIANCE UNDER ALL CODES N EFFECT AT THE TIME OF THE SUBJECT THIS DOES NOT ELIMINATE OR REDUCE THE ENT'S RESPONSIBILITY TO VERIFY ANY AND FORMATION RELEVANT TO THE RECIPIENT'S AND RESPONSIBILITY ON THIS PROJECT. PATH STUDIO SHALL NOT BE RESPONSIBLE RANSLATION ERRORS. DO NOT USE THESE RUCTION DOCUMENTS IF THE PERMIT HAS D OR IS REVOKED AT ALL. RECIPIENT RECOGNIZES AND ACKNOWLEDGES HE USE OF THIS INFORMATION WILL BE AT SOLE RISK AND WITHOUT ANY LIABILITY OF EXPOSURE TO DESIGN PATH STUDIO, NO NTIES OF ANY NATURE. WHETHER EXPRESS LIED, SHALL ATTACH TO THESE DOCUMENTS E INFORMATION CONTAINED THEREON. ANY USE, OR ALTERATION OF THESE IENTS BY THE RECIPIENT OR BY OTHERS E AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL. TO THE FULLEST EXTENT

PERMITTED BY LAW. DEFEND. INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM AN' USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT T COPYRIGHT PROTECTION.

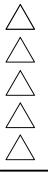
4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.



project

City of Riverside **Pre-Approved ADU** Program

revisions



description

Calgreen

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	

	ARCHITECTUAL GENERAL NOTES	1 4	ROOF NOTES (CONT'D)	40	FLOOR PLAN NOTES (CONT'D)		
	DO NOT SCALE THE DRAWING, USE THE DIMENSIONS ONLY. IF A DISCREPANCY IS FOUND TO EXIST, NOTIFY THE OWNER. THESE PLANS/SPECIFICATIONS AND ALL WORK SHALL COMPLY	14.	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	19.	VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION 4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR: ADHESIVES, PAINTS, STAINS, CAULKS AND COATINGS, CARPET	5.	
	WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CCR AND CURRENT CPC, CMC AND CEC CODES.		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		AND COMPOSITION WOOD PRODUCTS.DOCUMENTATION SHALL BE PROVIDED TO VERIFY THAT COMPLIANT VOC LIMIT FINISHED MATERIALS HAVE BEEN USED.	6.	[
8.	DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT THE JOB DIMENSIONS OR CONDITIONS AND IS	15.	IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. PER SECTION R806.5/EM3.9.6:	20.	INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL	7. 8.	г А
	TO BE REVIEWED AND APPROVED BY THE CITY OF RIVERSIDE.		a. WHERE ONLY AIR-IMPERMEABLE IS PROVIDED, IT SHALL BE APPLIED IN DIRECT CONTACT WITH UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING.		ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH	9.	ł
ŀ.	VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO STARTING ANY WORK.		b. WHERE AIR-PERMEABLE INSULATION IS INSTALLED DIRECTLY BELOW THE STRUCT. SHEATHING, RIGID BOARD OR SHEET		A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH	10.	[
5.	ALL WEATHER-EXPOSED SURFACES ARE TO HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL		INSULATION SHALL BE INSTALLED DIRECTLY ABOVE THE STRUCTURAL ROOF SHEATHING w/ MIN. R VALUE BASED ON CLIMATE ZONE PER TABLE R806.5.	21.	MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT	11.	F
	COVERING AND THAT EXTERIOR OPENINGS ARE TO BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.		C. WHERE BOTH AIR-IMPERMEABLE AND AIR-PERMEABLE INSULATION ARE PROVIDED, THE AIR-IMPERMEABLE INSULATION		NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE	12.	(
	SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE CITY OF RIVERSIDE BUILDING INSPECTOR		SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCT. ROOF SHEATHING w/ MIN. R VALUE BASED ON CLIMATE ZONE PER TABLE R806.5.FOR CONDENSATION		SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE OF THE LISTED METHODS LISTED IN CGC SECTION 4.505.3	13.	l
7.	AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY CONSTRUCTION, RECONSTRUCTION, OR CLOSURE OR THE ROADWAY, SIDEWALK OR RIGHT OF WAY. APPLICANT SHALL		CONTROL. FLOOR PLAN NOTES	22.	PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE		
	CONTACT ENGINEERING DEPARTMENT TO PROCESS. APPLICANT IS RESPONSIBLE TO PROVIDE SITE PLAN (PLOT PLAN)	1.	ALL DIMENSIONS TO FACE OF STUD, U.N.O.		AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED	14.	
).	TO THE CITY FOR REVIEW AND APPROVAL. APPLICANT IS RESPONSIBLE TO VERIFY WHETHER THE JOB SITE IS	2. 3.	ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF	23.	WITH THE APPROVED PLANS LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER	16.	ľ
	LOCATED WITHIN A FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD ZONE. PROJECTS LOCATED IN A SPECIAL FLOOD HAZARD AREA DESIGNATED ON THE FLOOD INSURANCE RATE MAP	0.	DRAWINGS. CONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY OWNER OF ANY	24.	BASED CONTROLLERS. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL SHALL MANAGE STORM WATER DRAINAGE DURING	10.	 !
	(FIRM) AS ZONE A OR AE, SHALL PROVIDE AN ELEVATION CERTIFICATE WITH SUPPORTED DOCUMENTS TO THE CITY FOR	4.	DISCREPANCIES. REFER TO FRAMING PLANS AND SECTIONS FOR CLARIFICATION AND DIM. NOT SHOWN .		CONSTRUCTION BY ONE OF THE FOLLOWING: A. RETENTION BASIN. B. WHERE STORM WATER IS CONVEYED TO A PUBLIC	17.	F ;
0.	REVIEW AND APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE. SUBMIT GRADING PLANS AND/OR PROVIDE ADU GRADING PERMIT EXEMPTION CHECKLIST FOR REVIEW AND APPROVAL AT	5.	ALL ROOF DRAIN PIPES TO BE MIN. 2" STORM DRAINAGE SYSTEM UNLESS LOCAL CODE REQUIRES LARGER DRAIN SIZES.		DRAINAGE SYSTEM, WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER APPROVED METHOD. CGC 4.106.2.		F
1.	TIME OF PERMIT APPLICATION. THE PV SYSTEM WILL BE SUBMITTED UNDER A SEPARATE PERMIT.		ROOF GUTTERS: <u>STYLE A . INSTALLED AND DESIGNED IN ACCORDANCE WITH</u> SMACNA MANUAL, PLATE #1,#2 & #3,GUTTER. PAGE 6 - 11,	25.	THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN TO THE JURISDICTION AGENCY THAT	18.	ر ۱
	A PHOTOVOLTAIC (SOLAR) SYSTEM BUILDING AND ELECTRICAL PERMIT SHALL BE ISSUED PRIOR TO ADU BUILDING FRAME INSPECTION REQUEST.		WIDTH AS REQUIRED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2.	26.	REGULATES WASTE MANAGEMENT, PER CGC 4.408.2. THE BUILDER IS TO PROVIDE AN OPERATION MANUAL	1	
2.	SOIL REPORT REQUIREMENT: IF A SOILS REPORT IS REQUIRED BY THE LOCAL JURISDICTION, THE GEOTECHNICAL INVESTIGATIONS		GUTTER: SIZE; PAGES 1,2, 3, 4, 5 &6, CHARTS#1,#2,#3,#4,#5#6 & #7 <u>STYLE;</u> PLATE #2, STYLE A, PAGE 9		(CONTAINING INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0		/ [
	SHALL BE CONDUCTED IN ACCORDANCE WITH CBC SECTION 1803.2 AND REPORTED IN ACCORDANCE WITH CBC SECTION 1803.6THE GEOTECHNICAL ENGINEER OF RECORD SHALL REVIEW THE CITY		EXPANSION;PLATE #6, PAGE 16 &17 HANGING; PLATE #19, FIG. C, PAGE 43. DOWN SPOUTS:	27.	DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE	2.	2
	APPROVED PLANS FOR GENERAL CONFORMANCE WITH THE SOIL REPORT; OTHERWISE, AN ALTERNATE FOUNDATION PLAN		PLAIN RECTANGULAR.AS REQUIRED BY SMACNA MANUAL CHART #3, PAGE #3. SEE ARCHITECT FOR LOCATIONS OF	28.	COVERED. CGC 4.504.1 BATHROOM FANS SHALL BE ENERGY STAR RATED, VENTED		1 2 1
	DESIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER IS REQUIRED		DOWN SPOUTS. ALL DOWN SPOUTS ARE TO BE DESIGNED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2. DOWN SPOUTS ARE	29.	DIRECTLY TO THE OUTSIDE AND CONTROLLED BY A HUMIDISTAT. SPECIAL INSPECTORS EMPLOYED BY THE ENFORCING AGENCY		-
	ROOF NOTES		TO DEPOSIT DIRECTLY OVER A NDS 6 INCH SQUARE, MODEL 641 OR APPROVED EQUAL.(SEE SECTION 02710 MORE		MUST BE QUALIFIED AND ABEL TO DEMONSTRATE COMPETENCE IN THE DISCIPLINE THEY ARE INSPECTING.	3.	E
•	FLASHINGS SHALL BE INSTALLED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE	6.	TRANSITION OF FLOOR MATERIALS OCCURRING IN OPENINGS	30.	VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOC. PLANS, SPECIFICATION BUILDER OR INSTALLER CERTIFICATIONS, INSPECTIONS REPORTS, OR OTHER		ł
	MATERIALS AND AT INTERSECTIONS WITH PARAPET WALLS AND OTHER PENETRATIONS THROUGH THE ROOF PLANE.		WITH DOORS TO BE LOCATED UNDER THE CENTER OF THE DOOR IN THE CLOSED POSITION. TRANSITION OF FLOOR MATERIAL OCCURRING WITH NO DOOR TO BE LOCATED TO		METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH TO SHOW SUBSTANTIAL CONFORMATION.		l
<u>}</u> . 8.	UNLESS ROOFS ARE SLOPED TO DRAIN OVER ROOF EDGES, ROOF DRAINS SHALL BE INSTALLED AT EACH LOW POINT OF ROOF. ROOF ASSEMBLIES SHALL BE OF MATERIALS THAT ARE	7.	ALIGN WITH THE FACE OF THE PARTITION, U.O.N DIFFUSERS AND GRILLS TO MATCH COLOR OF SURFACE AT	31.	NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION SHALL BE DESIGNED FOR AGING-IN-PLACE DESIGN AND FALL PREVENTION		(
		8.	WHICH THEY ARE MOUNTED, U.O.N. FLOOR FINISH TO CONTINUE UNDER MILLWORK WHERE FLOOR		PER R327 SEE SHEET A5.3 FOR AGING IN PLACE DETAILS A) AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED. WHERE THERE IS	5.	Ĭ
•	BUILDING-INTEGRATED PHOTOVOLTAIC PRODUCTS INSTALLED AS THE ROOF COVERING SHALL BE TESTED, LISTED AND LABELED FOR FIRE CLASSIFICATION IN ACCORDANCE WITH	0	IS VISIBLE (I.E. TRASH, RECYCLING, ECT.) 8. SILICON SEALANT AT GLAZING TO BE CLEAR, U.O.N. PLUMBING, ELECTRICAL, AND SPRINKLER EQUIPMENT, IF		NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH THIS SECTION.	6.	
	SECTION R902.1 THROUGH R902.4. ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF	9.	REQUIRED TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACE.		B) REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING		
	TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) UP TO	10.	ALL FINISH MATERIAL MUST MEET ALL APPLICATION FIRE, LIFE SAFETY, AND BUILDING CODES. 80% OF FLOOR AREA RECEIVING		AGENCY. C) REINFORCEMENT SHALL NOT BE LESS THAN 2 BY 8 INCH NOMINAL LUMBER. REINFORCEMENT SHALL BE LOCATED	7.	
	FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN		RESILIENT FLOORING SHALL COMPLY WITH SPECIFIED VOC CRITERIA. PARTICLE BOARD, MDF AND PLYWOOD USED IN INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW		BETWEEN 32 INCHES AND 39-1/4 INCHES ABOVE THE FINISHED FLOOR FLUSH WITH THE WALL FRAMING.	8.	
-	ACCORDANCE WITH SECTION R905.1.1. CLAY AND CONCRETE ROOF TILE SHALL BE INSTALLED ON ROOF SLOPES OF TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS	11.	FORMALDEHYDE EMISSION STANDARDS. OPERATION AND MAINTENANCE MANUAL: THE BUILDER IS TO		D) WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.		
	HORIZONTAL (25-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS		PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FOR MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION.		E) SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. F) BATHTUB AND COMBINATION BATHTUB/SHOWER	9.	
	HORIZONTAL (25-PERCENT SLOPE) TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE	12.	WEEP SCREED FOR STUCCO AT THE FOUNDATION PLATE LINE SHALL BE A MIN. OF 4" ABOVE THE EARTH OR 2" ABOVE PAVED		REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL		
		13.	AREAS. CRC R703.7.2.1, CBC 2512.1.2 FASTENERS AND CONNECTIONS (NAILS, ANCHORS BOLTS ECT)		REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES ABOVE THE BATHTUB RIM.		2 1 1
	UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER.		IN CONTACT WITH PRESERVATIVE -TREATED WOOD SHALL BE OF HOT -DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. (CRC R317.3, CBC		MECHANICAL NOTES	10.	
-	THE MINIMUM SLOPE FOR STANDING-SEAM ROOF SYSTEMS SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE).	14.	2304.10.5) ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS A MIN.	1.	CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL		l
).	BUILT-UP ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL		OF 0.229" X 3" X 3" IN SIZE, BETWEEN SILL PLATE AND NUT. (CRC R602.11.1, CBC 2308.3.2 ACCEPTANCE ALTERNATIVE SDPWS 4.3.6.4.3)		ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL DWELLING UNIT. [CRC R315.5] CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE		-
	(2-PERCENT SLOPE) FOR DRAINAGE, EXCEPT FOR COAL-TAR BUILT-UP ROOFS, WHICH SHALL HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL	15.	FUTURE WATER HEATERS AND PLUMBING FIXTURES SHALL MEET THE REQUIREMENTS OF SECTION 2-5314 AND TABLE 2-53G, TITLE		SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND, WHERE PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE	11.	[
0.	(1-PERCENT SLOPE).	16.	24, C.A.C. 15, 20 AND 30 AMP. RECEPTACLE OUTLETS SHALL BE INSTALLED		POWER FROM A BATTERY. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVERCURRENT PROTECTION. [CRC R315.6]	12.	l
	ROOF SLOPES BELOW ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL (8-PERCENT SLOPE).		NO MORE THAN 48" MEASURED FROM THE TOP OF OUTLET BOX AND NOT LESS THAN 15" FROM THE BOTTOM OF OUTLET BOX ABOVE THE FLOOR.	2.	WHERE WATER CLOSET COMPARTMENT IS INDEPENDENT OF THE BATHROOM OR SHOWER AREA, A FAN WILL BE REQ. IN	13.	(F
11.	NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS	17.	SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE APPROVED BY THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE		EACH AREA. BATHROOMS SHALL HAVE AN EXHAUST FAN WITH HUMIDITY CONTROL SENSOR, MIN. 50 CFM CAPACITY. (CRC R303.3.1)	13.	(
2.	HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE. SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS		THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY	3.	ROOMS CONTAINING BATHTUBS, SHOWERS, SPAS AND SIMILAR FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH	14.	
13.	HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE. A CLASS A ROOF ASSEMBLY SHALL BE INSTALLED. IF THE	10	THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPT.		HUMIDITY CONTROL SENSOR HAVING A MIN. CAPACITY OF 50 CFM DUCTED TO TERMINATE OUTSIDE THE BLDG. (CRC R303.3, CAL GREEN 4.505.1, CBC 1203 .5.2.1, CMC 402.5		 :
	APPLICANT DEVIATES FROM THE ROOF SPECIFICATIONS ON	18.	65 % OF CONSTRUCTION WASTE IS TO BE RECYCLED AND 100%				ŀ

MECHANICAL NOTES (CONT'D)

WHERE WHOLE HOUSE FANS ARE USED IN BATHROOM THE FAN MUST RUN CONTINUOUSLY AND SHALL NOT

- HUMIDITY CONTROL SENSOR. (CAL GREEN 4.506.1) ENVIRONMENTAL AIR DUCTS SHALL TERMINATE MIN. FROM PROPERTY LINE OR OPENINGS INTO BLDG., AN
- FROM A FORCED AIR INLET. (CMC 502.2.1) ALL HOSE BIBS ARE TO HAVE VACUUM BREAKERS. (C
- THE MAX. AMOUNT OF WATER CLOSETS ON A 3" HORIZONTAL DRAINAGE SYSTEM LINE IS 5 (CPC TABL
- THE MAX. AMOUNT OF WATER CLOSETS ON A 3" VERT DRAINAGE LINE IS 5. (CPC TABLE 703.2)
- PROVIDE GAS LINES WITH A MN. CAPACITY OF 200,000 WATER HEATER. (CAL ENERGY CODE 150.0(N)).
- PROVIDE A CONDENSATE DRAIN NO MORE THAN 2" AI BASE OF THE WATER HEATER SPACE. (CAL ENERGY ((N).
- INSULATE ALL HOT WATER PIPES. CAL ENERGY CODE (2), and CPC 609.11)
- 3. ISOLATION VALVES ARE REQ. FOR TANKLESS WATER ON THE HOT AND COLD SUPPLY LINES WITH HOSE BIE EACH VALVE, TO FLUSH THE HEAT EXCHANGER. (CAL CODE 110.3(7).
- EXHAUST DUCTS AND DRYER VENTS SHALL BE EQUIF BACK DRAFT DAMPERS
- . ALL EXHAUST FANS SHALL BE SWITCHED SEPARATEL LIGHTING SYSTEMS. (CENC 150(K) 2B)
- PLUMBING FIXTURES AND FITTINGS INSTALLED IN RE BUILDINGS SHALL COMPLY WITH THE PRESCRIPTIVE SECTIONS 4.303.1.1 THROUGH 4.303.1.4.4.
- PLUMBING FIXTURES AND FITTINGS REQ. IN SECTION SHALL BE INSTALLED IN ACCORDANCE WITH THE CAL PLUMBING CODE AND SHALL MEET THE THE APPLICAI REFERENCE STANDARDS.
- ALL HOSE CONNECTIONS SHALL BE EQUIPPED WITH NON-REMOVABLE BACK FLOW PREVENTERS. [CPC 60

ELECTRICAL NOTES

RECEPTACLE OUTLET LOCATIONS WILL COMPLY WITH ARTICLE 210.52. & CRC SECTION R327.1.2. TAMPER RE RECEPTACLE OUTLET LOCATIONS SHALL COMPLY W/ 210-52 AND 550.13 (I.E. ALL RECEPTACLES IN A DWELL

ARC-FAULT PROTECTION FOR ALL OUTLETS (NOT JUS RECEPTACLES) LOCATED IN ROOMS DESCRIBED IN NI 210.12(A): KITCHENS, LAUNDRY AREAS, FAMILY, LIVING BEDROOMS, DINING, HALLS, ETC. ALL BRANCH CIRCU ARC FAULT CIRCUIT PROTECTED PER NEC ART. 210-1 THERE ARE TO BE A MINIMUM OF 2 SMALL APPLIANCE CIRCUITS WITHIN THESE AREAS CEC 210.11(C)1

- BATHROOM CIRCUITING SHALL BE EITHER: a) A 20 A CIRCUIT DEDICATED TO EACH BATHROOM.
 b) AT LEAST ONE 20 AMPERE CIRCUIT SUPPLYING ONI BATHROOM RECEPTACLE OUTLETS PER NEC ART. 21 ALL 125-VOLT, SINGLE-PHASE, 15- AND 20- AMP RECEINSTALLED IN BATHROOMS, GARAGES, BASEMENTS, OUTDOORS, LAUNDRY AREA, KITCHEN DISHWASHERS COUNTERS AND AT WET BAR SINKS, WITHIN 6' OF A SI BE GFCI PROTECTED PER NEC ART. 210-8(A).
- WEATHER RESISTANT TYPE FOR RECEPTACLES INST DAMP OR WET LOCATIONS (OUTSIDE) NEC 406.4(D)(6) PER LIGHTING MEASURES 150(K)4 N T-24, THE BEDROOMS, HALLWAY, LIVING ROOM AND OFFICE ARE REQUIRED TO HAVE ANY INSTALLED FIXTURE TO
- BE ON A DIMMER SWITCH OR THE FIXTURE NEEDS TO BE HIGH EFFICACY.
- OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.
- A RECEPTACLE OUTLET MUST BE INSTALLED IN EVER SO THAT NO POINT ALONG THE WALL SPACE IS MORE FEET, MEASURED HORIZONTALLY ALONG THE FLOOR FROM A RECEPTACLE OUTLET CEC 210.52(A)
- SMOKE DETECTORS MUST BE PERMANENTLY WIRED. CONSTRUCTION, REQUIRED SMOKE ALARMS SHALL R THEIR PRIMARY POWER FROM THE BUILDING WIRING SUCH WIRING IS SERVED FROM A COMMERCIAL SOUF SHALL BE EQUIPPED WITH A BATTERY BACK-UP. SMC ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED OVERCURRENT PROTECTION.
- WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED INSTALLED, THE SMOKE ALARMS SHALL BE INTERCOM SUCH A MANNER THAT THE ACTIVATION OF ONE ALAR ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL DWELL THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDR OVER BACKGROUND NOISE LEVELS WITH ALL INTERV DOORS CLOSED.
- ALL EXHAUST FANS SHALL BE SWITCHED SEPARATEL LIGHTING SYSTEMS. (CENC 150(K) 2B)
- A MINIMUM OF 1 LUMINAIRE SHALL BE INSTALLED IN E CONTROLLED BY AN OCCUPANT OR VACANCY SENSO PROVIDING AUTOMATIC -OFF FUNCTIONALLY (CENC 1 LAUNDRY AREA SHALL AT LEAST 1-20 AMP DEDICATED CIRCUIT (CEC 210 .11 (C)(2)
- PROVIDE A DEDICATED CIRCUIT FOR THE A.C./FAU (CI

TWO OR MORE SMALL-APPLIANCE 20-AMPERE BRANC CIRCUITS SHALL BE PROVIDED FOR RECEPTACLES IN IN A KITCHEN TO SERVE COUNTERTOP SURFACES. [C 210.52(B)(3) & CEC 210.11(C)(1)] IN DWELLING UNITS IN AREAS SPECIFIED IN 210.52, ALL 15- AND 20-AMPERE, 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL E TAMPER-RESISTANT RECEPTACLES. [CEC 406.12]

	ELECTRICAL NOTES (CONT'D)	
OM AREAS, T BE TIED TO	16. PER CEC 2022 150.0(N).1.A.: IF THE DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER HEATER, THEN THIS SPACE SHALL INCLUDE THE FOLLOWING:A	
. 3 FEET ND 10'	DEDICATED 125 VOLT, 20 AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRIC PANEL WITH A 120/240 VOLT 3 CONDUCTOR, 10 AWG COPPER BRANCH CIRCUIT, WITHIN 3 FEET	
CPC603.5.7)	FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS; AND • BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE	
LE 703.2) RTICAL	 LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED; AND A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE 	
	ELECTRICAL PANEL ADJACENT TO THE CIRCUIT BREAKER FOR THE BRANCH CIRCUIT IN A ABOVE AND LABELED WITH THE WORDS "FUTURE 240V USE"; AND	
ABOVE THE CODE 150.0	A CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE INSTALLED WATER HEATER, AND ALLOWS NATURAL DRAINING WITHOUT PUMP	
E 150.0(j) R HEATERS	ASSISTANCE. 17. ELECTRICAL RECEPTACLE OUTLETS IN BATHROOM MUST BE NO MORE THAN 48 INCHES OR LESS THAN 15-INCHES MEASURE	
IBS ON L ENERGY	FROM THE FINISHED FLOOR.18. DOORBELL BUTTON MUST BE INSTALLED NO MORE THAN 48	
IPPED WITH	INCHES FROM EXTERIOR FLOOR.	
ELY FROM	19. LUMINAIRE EFFICACY - ALL INSTALLED LUMINAIRES SHALL MEET THE REQUIREMENTS OF 2022 BUILDING ENERGY EFFICIENCY STANDARDS TABLE 150.0-A PER SECTION 150.0(K).	
ESIDENTIAL E REQ. OF	ELECTRIC READY NOTES: 2022 ENERGY EFFICIENCY STANDARDS 150.0	
	(S) ENERGY STORAGE SYSTEMS (ESS) READY. ALL SINGLE-FAMILY	
N 4.303.1 ILIFORNIA ABLE	RESIDENCES THAT INCLUDE ONE OR TWO DWELLING UNITS SHALL MEET THE FOLLOWING. ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE: 1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED:	
l 03.3.3]	A. ESS READY INTERCONNECTION EQUIPMENT WITH A MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A	
	MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR B. A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE BRANCH	
TH CEC RESISTANT	CIRCUITS IN SECTION 150.0(S)(2). ALL BRANCH CIRCUITS	
// NEC ART.	ARE PERMITTED TO BE SUPPLIED BY THE MAIN SERVICE PANEL PRIOR TO THE INSTALLATION OF AN ESS. THE	
LING).	TRADE SIZE OF THE RACEWAY SHALL BE NOT LESS THAN ONE	
JST NEC	INCH. THE PANELBOARD THAT SUPPLIES THE BRANCH CIRCUITS (SUBPANEL) MUST BE LABELED "SUBPANEL SHALL INCLUDE ALL	
NG,	BACKED-UP LOAD CIRCUITS."	
UITS WILL BE -12(B).	2. A MINIMUM OF FOUR BRANCH CIRCUITS SHALL BE IDENTIFIED AND HAVE THEIR SOURCE OF SUPPLY	
E BRANCH	COLLOCATED AT A SINGLE PANELBOARD SUITABLE TO BE	
	SUPPLIED BY THE ESS. AT LEAST ONE CIRCUIT SHALL SUPPLY THE REFRIGERATOR, ONE LIGHTING CIRCUIT SHALL BE LOCATED	
AMPERE	NEAR THE PRIMARY EGRESS, AND AT LEAST ONE CIRCUIT SHALL SUPPLY A SLEEPING ROOM RECEPTACLE OUTLET.	
NLY 210-11(c)3.	3. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR	
EPTACLES	RATING OF 225 AMPS. 4. SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW	
,	FUTURE INSTALLATION OF A SYSTEM ISOLATION	
RS, KITCHEN SINK, SHALL	EQUIPMENT/TRANSFER SWITCH WITHIN 3 FEET OF THE MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED	
	BETWEEN THE PANELBOARD AND THE SYSTEM ISOLATION	
TALLED IN 3)	EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE CONNECTION OF BACKUP POWER SOURCE.	
	(T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR	
RE	PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:	
0	1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITHIN 3 FEET FROM THE FURNACE AND ACCESSIBLE	
E HIGH	TO THE FURNACE WITH NO OBSTRUCTIONS. THE BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL	
RY ROOM	ELECTRICAL COMPONENTS SHALL BE INSTALLED IN	
RE THAN 6	ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE. 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED	
R LINE	SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE HEAT PUMP SPACE HEATER	
D. IN NEW	INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY	
RECEIVE G WHERE	MARKED AS "FOR FUTURE 240V USE." (U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PROPANE	
JRCE AND	COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE	
IOKE S ARE LOW.	FOLLOWING: 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE	
D FOR	INSTALLED WITHIN 3 FEET FROM THE COOKTOP AND ACCESSIBLE TO THE COOKTOP WITH NO OBSTRUCTIONS. THE	
	BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 50 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V	
ED TO BE DNNECTED IN	READY." ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.	
ARM WILL LLING UNIT.	2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A	
ROOMS	RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC	
VENING	COOKTOP INSTALLATION. THE RESERVED SPACE SHALL BE	
ELY FROM	PERMANENTLY MARKED AS "FOR FUTURE 240V USE." (V) ELECTRIC CLOTHES DRYER READY. CLOTHES DRYER LOCATIONS WITH GAS OR PROPANE PLUMBING TO SERVE INDIVIDUAL DWELLING	
BATHROOM	UNITS SHALL INCLUDE THE FOLLOWING: 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE	
OR 150 .0(K)21)	INSTALLED WITHIN 3 FEET FROM THE CLOTHES DRYER	
ED BRANCH	LOCATION AND ACCESSIBLE TO THE CLOTHES DRYER LOCATION WITH NO OBSTRUCTIONS. THE BRANCH	
	CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS	
CEC 422.12)	MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL ELECTRICAL COMPONENTS SHALL BE	
ICH NSTALLED	INSTALLED IN ACCORDANCE WITH THE CALIFORNIA	
CEC	ELECTRICAL CODE. 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A	
N ALL 5, 125- AND	RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC CLOTHES DRYER	
BE LISTED	INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY	
	MARKED AS "FOR FUTURE 240V USE."	

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:

1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF

SPECIFICATIONS APPROVED BY THE CITY C RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS, DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE. WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW. DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN

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project

City of Riverside Pre-Approved ADU Program

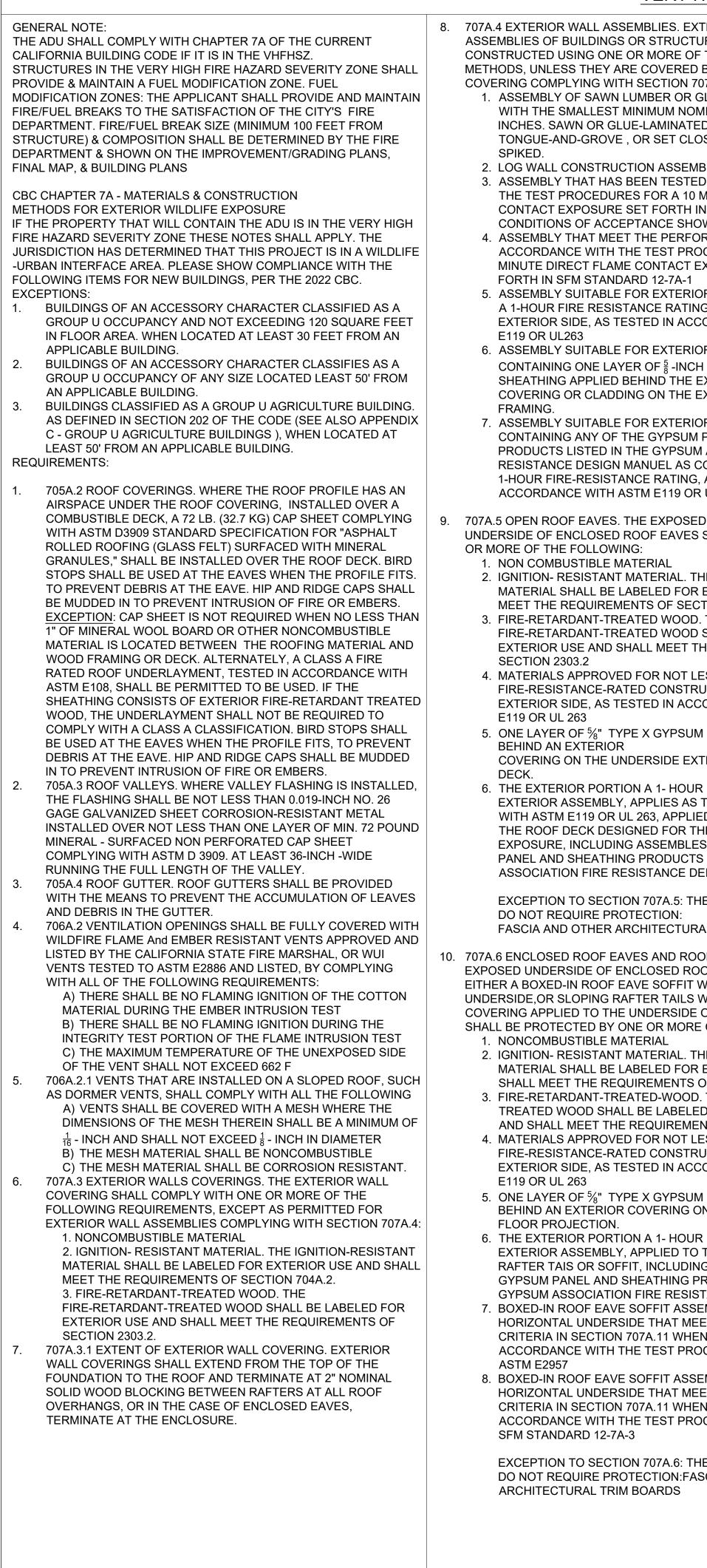
revisions



description

General Notes

date	October 2023
project no.	Riverside ADU
drawn by	design path studio
sheet no.	GO.2



8. 707A.4 EXTERIOR WALL ASSEMBLIES. EXTERIOR WALL ASSEMBLIES OF BUILDINGS OR STRUCTU CONSTRUCTED USING ONE OR MORE OF METHODS, UNLESS THEY ARE COVERED E

- 1. ASSEMBLY OF SAWN LUMBER OR GL WITH THE SMALLEST MINIMUM NOMI INCHES. SAWN OR GLUE-LAMINATED TONGUE-AND-GROVE, OR SET CLOS
- 2. LOG WALL CONSTRUCTION ASSEMB
- 3. ASSEMBLY THAT HAS BEEN TESTED THE TEST PROCEDURES FOR A 10 M CONTACT EXPOSURE SET FORTH IN CONDITIONS OF ACCEPTANCE SHOW
- 4. ASSEMBLY THAT MEET THE PERFOR ACCORDANCE WITH THE TEST PROC MINUTE DIRECT FLAME CONTACT EX FORTH IN SFM STANDARD 12-7A-1
- 5. ASSEMBLY SUITABLE FOR EXTERIOR A 1-HOUR FIRE RESISTANCE RATING EXTERIOR SIDE, AS TESTED IN ACCO E119 OR UL263
- 6. ASSEMBLY SUITABLE FOR EXTERIOR CONTAINING ONE LAYER OF $\frac{1}{2}$ -INCH SHEATHING APPLIED BEHIND THE EX COVERING OR CLADDING ON THE EX
- 7. ASSEMBLY SUITABLE FOR EXTERIOR CONTAINING ANY OF THE GYPSUM F PRODUCTS LISTED IN THE GYPSUM RESISTANCE DESIGN MANUEL AS CC 1-HOUR FIRE-RESISTANCE RATING, ACCORDANCE WITH ASTM E119 OR
- 707A.5 OPEN ROOF EAVES. THE EXPOSED UNDERSIDE OF ENCLOSED ROOF EAVES S OR MORE OF THE FOLLOWING:
 - 1. NON COMBUSTIBLE MATERIAL
 - 2. IGNITION- RESISTANT MATERIAL. THE MATERIAL SHALL BE LABELED FOR E MEET THE REQUIREMENTS OF SECT 3. FIRE-RETARDANT-TREATED WOOD.
 - FIRE-RETARDANT-TREATED WOOD S EXTERIOR USE AND SHALL MEET THI SECTION 2303.2
 - 4. MATERIALS APPROVED FOR NOT LES FIRE-RESISTANCE-RATED CONSTRU EXTERIOR SIDE, AS TESTED IN ACCO E119 OR UL 263
 - 5. ONE LAYER OF 5/8" TYPE X GYPSUM BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE EXT
 - 6. THE EXTERIOR PORTION A 1- HOUR EXTERIOR ASSEMBLY, APPLIES AS T WITH ASTM E119 OR UL 263, APPLIED THE ROOF DECK DESIGNED FOR THI EXPOSURE, INCLUDING ASSEMBLES PANEL AND SHEATHING PRODUCTS ASSOCIATION FIRE RESISTANCE DE

EXCEPTION TO SECTION 707A.5: THE DO NOT REQUIRE PROTECTION: FASCIA AND OTHER ARCHITECTURAL

10. 707A.6 ENCLOSED ROOF EAVES AND ROOF EXPOSED UNDERSIDE OF ENCLOSED ROOI EITHER A BOXED-IN ROOF EAVE SOFFIT WI UNDERSIDE, OR SLOPING RAFTER TAILS W COVERING APPLIED TO THE UNDERSIDE O SHALL BE PROTECTED BY ONE OR MORE

- 1. NONCOMBUSTIBLE MATERIAL
- 2. IGNITION- RESISTANT MATERIAL. THE MATERIAL SHALL BE LABELED FOR E SHALL MEET THE REQUIREMENTS OF
- 3. FIRE-RETARDANT-TREATED-WOOD. TREATED WOOD SHALL BE LABELED AND SHALL MEET THE REQUIREMEN
- 4. MATERIALS APPROVED FOR NOT LES FIRE-RESISTANCE-RATED CONSTRU EXTERIOR SIDE, AS TESTED IN ACCO E119 OR UL 263
- 5. ONE LAYER OF 5/8" TYPE X GYPSUM BEHIND AN EXTERIOR COVERING ON FLOOR PROJECTION.
- 6. THE EXTERIOR PORTION A 1- HOUR EXTERIOR ASSEMBLY, APPLIED TO 1 RAFTER TAIS OR SOFFIT, INCLUDING GYPSUM PANEL AND SHEATHING PR GYPSUM ASSOCIATION FIRE RESIST
- 7. BOXED-IN ROOF EAVE SOFFIT ASSE HORIZONTAL UNDERSIDE THAT MEE **CRITERIA IN SECTION 707A.11 WHEN** ACCORDANCE WITH THE TEST PROC
- 8. BOXED-IN ROOF EAVE SOFFIT ASSE HORIZONTAL UNDERSIDE THAT MEE **CRITERIA IN SECTION 707A.11 WHEN** ACCORDANCE WITH THE TEST PROC SFM STANDARD 12-7A-3

EXCEPTION TO SECTION 707A.6: THE DO NOT REQUIRE PROTECTION: FAS ARCHITECTURAL TRIM BOARDS

VERY HIGH FIRE SEVERITY ZONE (VHFSZ) NOTES

RODE PECK ON THE SHALL CONSIST OF ONE EXEMPTION THE SHALL CONSIST OF ONE EXEMPTION THE STENDE OVER AN EXERCISE ONE ALL BE PROTECTED BY ON OF THE FOLLOWING: EXEMPTION THE STENDE OF SECTION TALL BE PROTECTED BY ON OF THE FOLLOWING: EXEMPTION THE STENDE OF SECTION TALL BE PROTECTED BY ON THE FOLLOWING: EXEMPTION THE STENDE OF SECTION TALL BE ADDINATE. MAD BEAMS ADDINESSIST ADDINATES AND SHALL INFORMATION THE STEP OF EXERCISE ON THE INFORMATION SHALL BE LABELED FOR SHALL MEET THE REQUIREMENTS OF SECTION TALL THE REPORT OF SECTION TALL BE ADDINATE. 100 DIVISION SHALL MEET THE REQUIREMENTS OF SECTION TALL THE REPORT OF SECTION TALL SEARCH STANDARD SHALL MEET THE REQUIREMENTS OF SECTION 2032 STANDARD SHALL MEET THE REPORTING AN THE UNDERSIDE OF THE CILING STORE AT THE STANDARD SHALL MEET THE REPORT ON A 1-HOUR FIRE RESISTIVE EXTERIOR ASSEMULY, AS TESTED IN ACCORDANCE WITH ASTM USING THE CYPSUM USING THE CYPSUM SET FORTH IN ASTM 22327. 100 DIA	RES SHALL BE THE FOLLOWING BY AN EXTERIOR WALL 7A.3: LUE LAMINATED WOOD INAL DIMENSION OF 4 O PLANKS SPLINED, SE TOGETHER AND WELL LY IN ACCORDANCE WITH IINUTE DIRECT FLAME ASTM E2707 WITH THE VN IN SECTION 707A.4.1. RMANCE CRITERIA IN CEDURES FOR A TEN (POSURE TEST SET R FIRE EXPOSURE WITH G, RATED FROM THE ORDANCE WITH ASTM R FIRE EXPOSURE TYPE X GYPSUM (TERIOR WALL (TERIOR SIDE OF THE R EXPOSURE PANEL AND SHEATHING ASSOCIATION FIRE OMPLYING WITH A AS TESTED IN UL 263	 707A.7 EXTERIOR PORCH CEILINGS. THE EXPOSED UNDERSIDE OF THE EXTERIOR PORCH CEILINGS SHALL BE PROTECTED BY ONE OF THE FOLLOWING: NON COMBUSTIBLE MATERIAL IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2 FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 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 ONE LAYER OF ⁵/₈" TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING OR CLADDING ON THE UNDERSIDE OF THE RAFTER TAILS OR SOFFIT. THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119, APPLIED TO THE UNDERSIDE OF THE CEILING ASSEMBLY, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. PORCH CEILING ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957 PORCH CEILING ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3 EXCEPTION TO SECTION 707A.7: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION 707A.8 FLOOR PROJECTIONS. THE EXPOSED UNDERSIDE OF A 		ENFORCING AGEN APPENDAGES SH WITH THE REQUIN OF THE EXPOSED FOLLOWING: 1. NONCOME 2. IGNITION- MATERIAL SH MEET THE RE 3. FIRE-RETA TREATED WO SHALL MEET 4. MATERIAL FIRE-RESISTA SIDE, AS TES 5. ONE LAYE BEHIND THE I THE APPEND 6. THE EXTEN EXTERIOR AS ASTM E119 O APPENDAGE, PANEL AND S ASSOCIATION 7. THE UNDE MEETS THE F WHEN TESTE PROCEDURES 8. THE UNDE MEETS THE F THE TEST PR 12-7A-3.
 ION 274-2 IMEET THE REQUIREMENTS OF SECTION 704.2 MEET THE REQUIREMENTS OF SECTION 704.2 MEET THE REQUIREMENTS OF SECTION 704.2 INREALES APPROVED FOR NOT LESS THAN 1-HOUR FIRE RESISTANT STRUEL ALSALED FOR STRUETION ON THE EXTERIOR SIDE AS TESTED IN ACCORDANCE WITH ASTM SIDE IN ACCORDANCE WITH ASTM THE ERESTIVE STRUE IN SCORDANCE WITH ASTM THE ARESISTANT STRUE IN ACCORDANCE WITH ASTM FOLLOWING MATERIALS FOLLOWING MATERIALS FOLLOWING MATERIALS THE WITH A THE PREPROSENSE OF A FLOOR PROJECTION THE STR PROCEDURES STRUE IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE STR PROCEDURES SET FORT IN ACCORDANCE WITH AN EXTERIOR FOLLOWING MATERIALS FOLLOWING MATERIALS FOLLOWING MATERIALS THE WORDSTRUE OF A FLOOR PROJECTION ASSEMBLY THAN EXTERIOR ASSEMBLY AS TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE STR PROCEDURES SET FORTH IN ASTM 2200°. FORMANUAL TATE WORDSTRUE OF A FLOOR PROJECTIONS ASSEMBLY THAN EXTERIOR ASSEMBLY AST THE PERFORMANCE CARTERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE STR PROCEDURES SET FORTH IN THE EST PROCEDURES SET FORTH IN THE STR PROCEDURES SET FORTH IN THE STRUE FOR ACCORDANCE WITH ASTM BOARDS DO NOT REQUIRE PROTECTION THE WORDSTRUE OF A FLOOR PROJECTION THE ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE TATE STRUE SET FORTH IN ASTM 2200°. THE WEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE STRUE PROCEDURES SET FORTH IN THE STRUE STRUE ASSEMBLY. AS TESTED IN ACCORDANCE WITH ASTM MATERIALS APPROVED FOR NOT LESS THAN THOUR FIRE RESISTANT THE WEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH ASTM INTERVIENT ASTRUE ST	ROOF DECK ON THE SHALL CONSIST OF ONE E IGNITION-RESISTANT EXTERIOR USE AN SHALL	CANTILEVER FLOOR PROJECTION WHERE A FLOOR ASSEMBLY EXTENDS OVER AN EXTERIOR WALL SHALL BE PROTECTED BY ON OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT		AND BEAMS E CONSTRUCTE WOOD WITH 4 INCHES. SA SPLINED, TOM AND WELL SF
SPIKED.	TION 704A.2 THE SHALL BE LABELED FOR E REQUIREMENTS OF SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIES ERIOR OF THE ROOF FIRE RESISTIVE ESTED IN ACCORDANCE D TO THE UNDERSIDE OF E EXTERIOR FIRE USING THE GYPSUM LISTED IN THE GYPSUM IGN MANUAL. FOLLOWING MATERIALS I TRIM BOARDS F EAVE SOFFITS. THE DF EAVES HAVING (TH A HORIZONTAL (TH AN EXTERIOR DF THE RAFTER TAILS, OF THE FOLLOWING: E IGNITION-RESISTANT EXTERIOR USE AND F SECTION 704A.2 THE FIRE-RETARDANT D FOR EXTERIOR USE ITS OF SECTION 2303.2 SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIED N THE UNDERSIDE OF FIRE RESISTIVE THE UNDERSIDE OF THE CHEATER OF DISCONTAL OF THE SUSTIVE THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.1 SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE NOT SHEAT NOT SHEAT SHEATHING APPLIED N THE SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE SECTION 2003.2 STAN 1-HOUR SHEAT NOT SHEAT NOT	 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 4. MATERALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE. AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 283 5. ONE LAYER OF %" TYPE X GYPSUM SHEATHING APPLIED BEHIND AND EXTERIOR COVERING ON THE UNDERSIDE OF THE CEILING 6. THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLEY. AST ESTED IN ACCORDANCE WITH ASTM E119, APPLIED TO THE UNDERSIDE OF THE CEILING ASSEMBLY, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. 7. THE UNDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY THAT MEETS THE PERPORMANCE CRITERIA IN SECTION 707A.10 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957. 8. THE VIDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY THAT MEETS THE PERPORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE SFM STD 12.7A-3. EXCEPTION TO SECTION 707A.8: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION 13. 707A 9 UNDERFLOOR RROTECTION. 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 EVOSSED UNDERFLOOR SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. (GINTION- RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. (GINTION THE SUSTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL BE PROTECTED BY ONCE OR MORE OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. (GINTION- RESISTANT MATERIAL SHALL BE ENCLOSED TO GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE REQUIREMENTS OF SECT	16.	 708A.2 EXTERIOR MATERIALS AND/O SECTION: EXTERIOR EXTERIOR GLAZED O GLAZED O GLAZED O GLAZED O GLAZED O SKYLIGHT VENTS 708A.2.1 EXTERIOR SKYLIGHT VENTS 708A.2.1 EXTERIOR SKYLIGHT VENTS 708A.2.1 EXTERIOR MINIMUM OF REQUIREMEN BE CONST HAVE A FIR MINUTES WH BE TESTERIOR HAVE A FIR MINUTES WH BE TESTERIOR THAVE A FIR MINUTES WH BE TESTERIOR THE EXTERIOR THE EXTER

14. 707A.10 UNDERSIDE OF APPENDAGES. WHEN REQUIRE NCY THE UNDERSIDE OF OVERHANGIN IALL BE ENCLOSED TO GRADE IN ACCO REMENTS OF THIS CHAPTER OR THE L UNDER FLOOR SHALL CONSIST OF OI

USTIBLE MATERIAL

RESISTANT MATERIAL. THE IGNITION-I ALL BE LABELED FOR EXTERIOR USE EQUIREMENTS OF SECTION 704A.2 ARDANT-TREATED-WOOD. THE FIRE-RE OOD SHALL BE LABELED FOR EXTERIO THE REQUIREMENTS OF SECTION 230 LS APPROVED FOR NOT LESS THAN 1-F ANCE-RATED CONSTRUCTION ON THE STED IN ACCORDANCE WITH ASTM E119 ER OF $\frac{5}{8}$ " TYPE X GYPSUM SHEATHING EXTERIOR COVERING ON THE UNDERS AGE PROJECTION

RIOR PORTION A 1- HOUR FIRE RESIST SEMBLY, AS TESTED IN ACCORDANCE OR UL 263, APPLIED TO THE UNDERSIDI INCLUDING ASSEMBLES USING THE G SHEATHING PRODUCTS LISTED IN THE IN FIRE RESISTANCE DESIGN MANUAL

ERSIDE OF AN APPENDAGE ASSEMBLY PERFORMANCE CRITERIA IN SECTION 3 ED IN ACCORDANCE WITH THE TEST ES SET FORTH IN ASTM E2957.

ERSIDE OF AN APPENDAGE ASSEMBLY PERFORMANCE CRITERIA IN ACCORDA ROCEDURES SET FORTH IN SFM STANI

FO SECTION 707A.10: STRUCTURAL CO DO NOT REQUIRE PROTECTION WHEN ED WITH SAWN LUMBER OR GLUE-LAN I THE SMALLEST MINIMUM NOMINAL DIN AWN OR GLUE-LAMINATED PLANKS SH/ NGUE-AND-GROOVE, OR SET CLOSE T PIKED

- GLAZING. THE FOLLOWING EXTERIOR OR ASSEMBLIES SHALL COMPLY WITH
 - WINDOWS
 - **GLAZED DOORS** PENINGS WITHIN EXTERIOR DOORS
 - OPENINGS WITHIN EXTERIOR GARAGE I
 - STRUCTURAL GLASS VENEERS
- R WINDOWS AND EXTERIOR GLAZED I IREMENTS:
 - TRUCTED OF MULTI-PANE GLAZING WIT ONE TEMPERED PANE MEETING THE NTS OF SECTION 2406 SAFETY GLAZING TRUCTED OF GLASS BLOCK UNITS, OR **IRE-RESISTANT RATING OF NOT LESS 1**

HEN TESTED IN ACCORDANCE TO NFPA ED TO MEET THE PERFORMANCE REQU NDARD 12-7A-2.

DOORS. EXTERIOR DOORS SHALL COM LOWING:

RIOR SURFACE OR CLADDING SHALL E STIBLE OR IGNITION-RESISTANT MATE RIOR SURFACE OR CLADDING SHALL E MATERIAL

RIOR DOOR SHALL BE CONSTRUCTED THAT COMPLY WITH THE FOLLOWING NTS:

AND RAILS SHALL NOT BE LESS THAN

D PANELS SHALL NOT BE LESS THAN 1 FOR THE EXTERIOR PERIMETER OF THE ALL BE PERMITTED TO TAPER TO A TON AN ¾" THICK.

RIOR DOOR SHALL HAVE A FIRE-RESIS IOT LESS THAN 20 MINUTES WHEN TES TO THE NFPA 252.

RIOR SURFACE OR CLADDING SHALL E EPERFORMANCE IN SECTION 707A.3.1

CCORDANCE WITH ASTM E2707. RIOR SURFACE OR CLADDING SHALL E E PERFORMANCE REQUIREMENTS OF

12-7A-1 OR DOOR GLAZING. GLAZING IN EXTER

WITH SECTION 708A2.1.

	FIRE SPRINKLER NOTES
D BY THE G RDANCE NDERSIDE IE OF THE ESISTANT AND SHALL	 IF FIRE SPRINKLERS ARE REQUIRED AT PROPOSED DWELLING OR ADU THEN THE FOLLOWING NOTES APPLY. AUTOMATIC FIRE SPRINKLER SYSTEM - AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AS PER NFPA 13D THE MOST CURRENT EDITION. DETAILED SPRINKLER PLANS SHALL BE SUBMITTED TO THE FIRE PREVENTION BUREAU AND APPROVED PRIOR TO INSTALLATION. PLANS AND INSTALLATION MUST BE BY A C16 LICENSED SPRINKLER CONTRACTOR. SECTION R313.2.1 AN AUTOMATIC SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH SECTION R313.3
TARDANT R USE AND 8.2	OR MFPA13D.
o.2 OUR EXTERIOR OR UL 263	WILDLAND URBAN INTERFACE (WUI) PRODUCTS ROOF
APPLIED IDE OF	Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180)
IVE WITH OF THE YPSUM GYPSUM THAT 07A.11	LISTING No. 8180-2299:0501 CATEGORY: 8180 NON-WOOD ROOF COVERING/ASSEMBLIES FOR WILDLAND URBAN INTERFACE (W.U.I) LISTEE: Metal Sales Manufacturing Corporation 545 South 3rd Street, Suite 200, Louisville, KY 40202 Contact: David Stermer (502) 855-4342 Fax (502) 855-4242 Email: dstermer@metalsales.us.com Metal Sales Image II [™] 16" wide 26 GA Standing Seam Metal Roof System Deck: 5:12 Slope
THAT NCE WITH DARD	Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fastened with 2" nails, 8" OC spacing. Nominal 1/2" Densdeck installed per manufacturer's instructions for joints (staggered from sheathing) fastened with 8 -2" nails per 4'x8' sheet. Underlayment:
.UMNS NATED ENSION OF LL BE)GETHER	Titanium UDL 30® stapled to face with 3" overlap. Roof Covering: Metal Sales Image II [™] 16" wide 26 GA Standing Seam Metal Roof System with rib/joint placed 6" from OSB joint fastened with #10-12 (1") pancake head wood screws in the nail strip. Refer to listee's data sheet for additional detailed product description. RATING: Class A
GLAZING THIS	VENTS (ASTM E 2886/2886M, E 2912, SFM Listing Category 8165)
DOORS DOOR H A 5, OR HAN 20 257, OR REMENTS MPLY WITH E OF	LISTING No. 8165-2192:0500 CATEGORY: 8165 VENTS FOR WILDLAND URBAN INTERFACE (W.U.I.) LISTEE: Vulcan Technologies8 Commercial Blvd, Suite E, Novato, CA 94949 Contact: Larry Dumm (916) 626-2400 Fax (916) 647-0477 Email: Larry@newcalmetals.com DESIGN: Models VER2, VER2M, VER3, VER3M, VER4, VER4M, and VER6M Vulcan Eave Round Vents. Products are in sizes 2", 3", 4", or 6" diameter opening with a 1/4" flange, and a depth of 3/4". The vents are manufactured out of 0.020" aluminum incorporating a 5mm hexagonal aluminum matrix core made of 0.05mm aluminum foil with an intumescent coating underneath the louver cap. Models with "M" contain a stainless steel, type 304 woven, 1/16" opening mesh screen, installed between the louvers and the honeycomb core. Refer to manufacturer's installation instructions and product data sheets. RATING: Tested in accordance with ASTM E2886
E OF RIAL E IGNITION	UNDER EAVE (SFM Standard 12-7A-3, SFM Listing Category 8160)
OF SOLID 1-3/8" 1/4" THICK. PANEL GUE NOT TANCE TED E TESTED WHEN	LISTING No. 8160-2026:0006 CATEGORY: 8160 UNDER EAVE FOR WILDLAND URBAN INTERFACE (W.U.I) LISTEE: JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Email: rathisha.sabaratnam@jhresearchusa.com DESIGN: "CemSoffit®" un-vented, fiber-cement soffit, 3/16" thick and ½" thick, under eave material. Refer to the manufacturer's installation instructions and product data sheets. RATING: Noncombustible
E TESTED SFM	EXTERIOR WALL SIDING (SFM Standard 12-7A-1, SFM Listing Category 8140)
OR DOORS	CATEGORY: 8140 EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I) JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Email: rathisha.sabaratnam@jhresearchusa.com
	LISTING No. 8140-2026:0001 DESIGN: " Artisan®" lap siding, fiber-cement, 5/8" thick. Refer to the manufacturer's installation instructions and product data sheets.

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS. THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:

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RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJEC PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBL FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. . THE RECIPIENT RECOGNIZES AND ACKNOWLEDGE THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OF LEGAL EXPOSURE TO DESIGN PATH STUDIO, NO WARRANTIES OF ANY NATURE. WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY JSE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW. DEFEND. INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM AN' USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY. DEATH. DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS NDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT T COPYRIGHT PROTECTION.

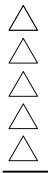
4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.



project

City of Riverside Pre-Approved ADU Program

revisions

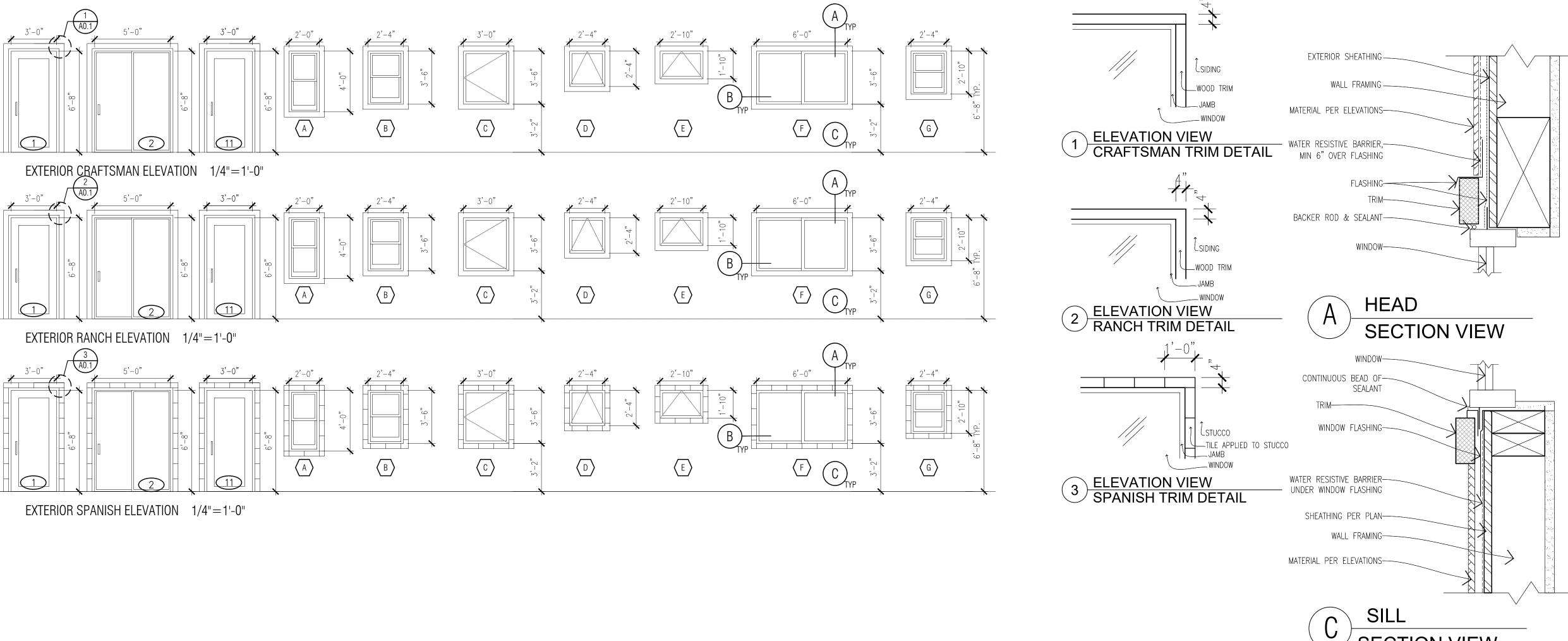


description General

Notes

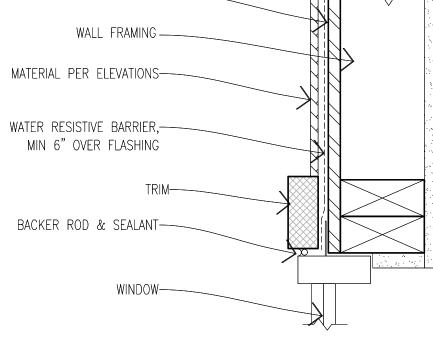
date October 2023 project no. Riverside ADU DESIGN PATH STUDIO drawn by

WINDOW SCHEDULE							DOOR SCHEDULE															
WINDOW	WINDO WIDTH	W SIZE HEIGHT	OPER.	QNTY	FRAME	HEAD HEIGH ⁻		REMARKS	STC I DB R	ANTI NFILTRATION ATE CF/M MAX	VHFSZ NOTES SEE SHEET G0.3 ((WHEN REQ'D)	DOOR	DOOR TYPE		DOOR SI HEIGHT		CORE	MATERIAL	FRAME	LOCATION	REMARKS	VHFSZ NOTES SEE SHEET G0.3 (WHEN REQ'D)
A	2'- ^{0"}	4'- ^{0"}	SINGLE HUNG	2	VINYL	6'-8"	LIVING ROOM WINDOWS		40	0.5	NOTE 15 & 16	1	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	GL	VNL/GLASS	VINYL	FRONT ENTRY	TEMPERED, NOTE 11	NOTE 15, 16, 17, & 18
В	2'- ⁴ "	3'- ^{6"}	SINGLE HUNG	1	VINYL	6'-8"	LIVING ROOM WINDOW		40	0.5	NOTE 15 & 16	2	DOUBLE DOORS	5'- ^{0"}	6'- ^{8"}	1-3/4"	GL	VNL/GLASS	VINYL	SIDE ENTRY	TEMPERED, NOTE 11	NOTE 15, 16, 17, & 18
С	3'- ^{0"}	3'- ^{6"}	CASEMENT	3	VINYL	6'-8"	BEDROOM/ HALLWAY WINDOW	NOTE 7	40	0.5	NOTE 15 & 16	3	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM 1		
D	2'- ^{4"}	2'- ⁴ "	AWNING	2	VINYL	6'-8"	BEDROOM WINDOWS		40	0.5	NOTE 15 & 16	4	SLIDING DOOR	6'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM 1 CLOSET		
Е	2'- ^{10"}	1'- ^{10"}	AWNING	2	VINYL	6'-8"	BATHROOM WINDOWS	TEMPERED	40	0.5	NOTE 15 & 16	5	SLIDING DOOR	6'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM 1 CLOSET		
F	6'- ^{0"}	3'- ^{6"}	SLIDER	1	VINYL	6'-8"	BEDROOM WINDOW	NOTE 7	40	0.5	NOTE 15 & 16	6	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BATHROOM		
G	2'- ⁴ "	2'- ^{10"}	SINGLE HUNG	1	VINYL	6'-8"	KITCHEN WINDOW		40	0.5	NOTE 15 & 16	7	BIFOLD	6'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	MECHANICAL ROOM	LOUVERED	
WIN	DOW N	OTES										8	SINGLE DOOR	2'- ^{6"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BATHROOM		
	_											9	SLIDING DOOR	7'- ⁴ "	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM 2 CLOSET		
							OWS TO HAVE SCREENS). Y ACTUAL DIMENSIONS FOR WINDOWS					10	SINGLE DOOR	2'- ^{6"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM 2		
3. ALL GI	AZING WILL BE	EINSTALLED	VITH A CERTIFYING L/ Y SELECTIVE LOW E (ABEL ATTACHI	ED, SHOWING ⁻	THE NFRC L	ABEL.					11	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	GL	VNL/GLASS	VINYL	SIDE ENTRY	TEMPERED	NOTE 15, 16, 17, & 18
			UM INFILTRATION RE				UREMENTS.					12	SINGLE DOOR	2'- ⁴ "	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	WATER HEATER CLOSET		
			C.B.C. 1203.4 AND R				RESCUE WITH A MIN. NET CLEAR OPENABLE AREA OF 5.7	SO ET MIN NE		OPENARI E HEIGHT	T OF 24" MIN NET											
 CLEAR WIDTH OF 20" AND A FIN. SILL HEIGHT OF NOT MORE THAN 44" A.F.F. PER CRC SECTION 310.1. 8. TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED AND VISIBLE WHEN THE UNIT IS GLAZED. 9. EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL VENTILATION AND NATURAL LIGHT BY MEANS OF VENTILATION / ARTIFICIAL LIGHT. CBC SECTIONS 1203.4 AND 1205.1 AND R303 THE MINIMUM NET GLAZED AREA FOR NATURAL LIGHT SHALL NOT BE LESS THAN 8%OF THE FLOOR AREA OF THE ROOM SERVED. CBC SECTION 1205.2. THE MINIMUM OPENABLE AREA TO THE OUTDOORS FOR NATURAL VENTILATION SHALL BE 4% OF THE FLOOR AREA BEING VENTILATED. SECTION 1203.4 EXTERIOR WINDOWS, WINDOW WALLS, GLAZED DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE FIRE-RESISTANCE RATED GLAZING TESTED AS PART OF A FIRE-RESISTANCE-RATED WALL ASSEMBLY IN ACCORDANCE WITH ASTM E 119 OR UL 263 TO BE CONSTRUCTED PER NOTE #13 THE FOLLOWING WINDOWS SHALL BE FULLY TEMPERED: (CRC R308.4) SLIDING/SWINGING GLASS DOORS GLAZING IN WALLS AND ENCLOSURES FACING HOT TUBS. SPAS. WHIRLPOOLS. SAUNAS. STEAM ROOMS. BATHTUBS. SHOWERS AND SWIMMING POOLS WHERE THE GLAZING IS LESS THAN 60 INCHES 									1. ALL GL 2. ALL GL 3. REFER 4. DOOR 5. VENTIL 6. DOOR THAN 7. GLAZE	AZING WILL BE INSTALLED TO FLOOR PLANS FOR DIRI S SHALL MEET THE MINIMUM ATION SHALL COMPLY WITH MAY OPEN TO THE EXTER THE DOOR THRESHOLD. SE D OPENINGS WITHIN EXTER	WITH A CER ECTION OF E I INFILTRATI H C.B.C. 1203 IOR ONLY IF ECTION R311 RIOR DOORS	TIFYING LAE DOOR SWIN ION REQUIR 3.4 AND R30 THE FLOOF I.3.1 CRC S SHALL BE	BEL ATTACH G. EMENTS PE 3. ₹ OR LANDIN NSULATNG	IED, SHO ER SECTI NG IS NO G-GLASS I	WING THE "U" VA ION 116 E.E.S. IT MORE THAN 1-;	LUE. 2 INCH LOW						
ABOVE THE STANDING SURFACE WITHIN THE COMPARTMENT AND WITHIN 60 INCHES HORIZONTALLY OF THE WATER'S EDGE (CRC R308.4.5) -GLAZING WITHIN A 24" ARC OF A DOOR THAT IS LESS THAN 60 INCHES ABOVE THE FLOOR. SAFETY GLAZING REQUIRED ON A WALL LESS THAN 180 DEGREES FROM THE PLANE OF THE DOOR IN A CLOSED POSITION AND WITHIN 24" OF HINGE SIDE OF AN IN-SWING DOOR. (R308.4.2) -GLAZING WHERE THE EXPOSED AREA IS GREATER THAN 9SQ.FT, BOTTOM IS LESS THAN 18 IN. AND AT LEAST 36 IN. ABOVE THE FLOOR, AND ADJACENT TO A WALKING SURFACE WITHIN 60IN. OF THE BOTTOM TREAD OF A STAIRWAY AND LESS THAN 36IN. ABOVE THE LANDING -GLAZING IN GUARDS AND RAILINGS -GLAZING ADJACENT TO STAIRWAYS, LANDINGS, AND RAMPS WITHIN 36IN. HORIZONTALLY OF THE WALKING SURFACE LESS THAN 36IN. ABOVE THE WALKING SURFACE LESS THAN 36IN. ABOVE THE WALKING SURFACE LESS THAN 36IN. ABOVE THE WALKING SURFACE MITHIN 50IN. OF THE GLAZING ADJACENT TO STAIRWAYS, LANDINGS, AND RAMPS WITHIN 36IN. HORIZONTALLY OF THE WALKING SURFACE LESS THAN 36IN. ABOVE THE WALKING SURFACE LESS THAN 36IN. ABOVE THE WALKING SURFACE LESS THAN 36IN. ABOVE THE WALKING SURFACE						9. NOT U 10. NOT U 11. EXTEF	INCHES ABOVE THE S -GLAZING WITHIN A 24 CLOSED POSITION AN -GLAZING WHERE THE THE BOTTOM TREAD -GLAZING IN GUARDS -GLAZING ADJACENT	GLASS DOOR ND ENCLOS TANDING SU 4" ARC OF A ID WITHIN 24 E EXPOSED OF A STAIRV AND RAILIN TO STAIRWA G THE SOUR	RS URES FACIN JRFACE WIT DOOR THAT 4" OF HINGE AREA IS GR VAY AND LE GS AYS, LANDIN RCE OF NOIS	IG HOT TUB HIN THE CC IS LESS TH SIDE OF AN EATER THA SS THAN 36 IGS, AND RA	S, SPAS DMPARTN IAN 60 IN N IN-SWII N 9SQ.F1 6IN. ABO\ AMPS WI	MENT AND WITHII ICHES ABOVE TH NG DOOR. (R308. T, BOTTOM IS LES VE THE LANDING THIN 36IN. HORIZ C 40 DB	N 60 INCHES E FLOOR. S/ 4.2) SS THAN 18 I ONTALLY OF	EAM ROOMS, BATHTUBS, SHOWERS A B HORIZONTALLY OF THE WATER'S E AFETY GLAZING REQUIRED ON A WA IN. AND AT LEAST 36 IN. ABOVE THE I F THE WALKING SURFACE LESS THA	DGE (CRC R308.4.5) LL LESS THAN 180 DEGREES FROM FLOOR, AND ADJACENT TO A WALK	I THE PLANE OF THE DOOR II						



SECTION VIEW WINDOW DETAILS

SCALE: 3"=1'-0"



JAMB

PLAN VIEW

B

EXTERIOR SHEATHING	
WALL FRAMING	
ATERIAL PER ELEVATIONS	
ATER RESISTIVE BARRIER,	
TRIM	
BACKER ROD & SEALANT	
WINDOW	

project no.	Riverside ADU		
drawn by	DESIGN PATH STUDIO		
sheet no. A0.1			

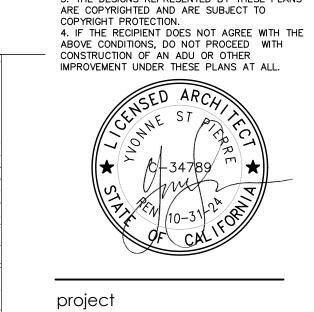
October 2023

description Window & Door Schedules

date

revisions \triangle \triangle \bigtriangleup \triangle

City of Riverside Pre-Approved ADU Program



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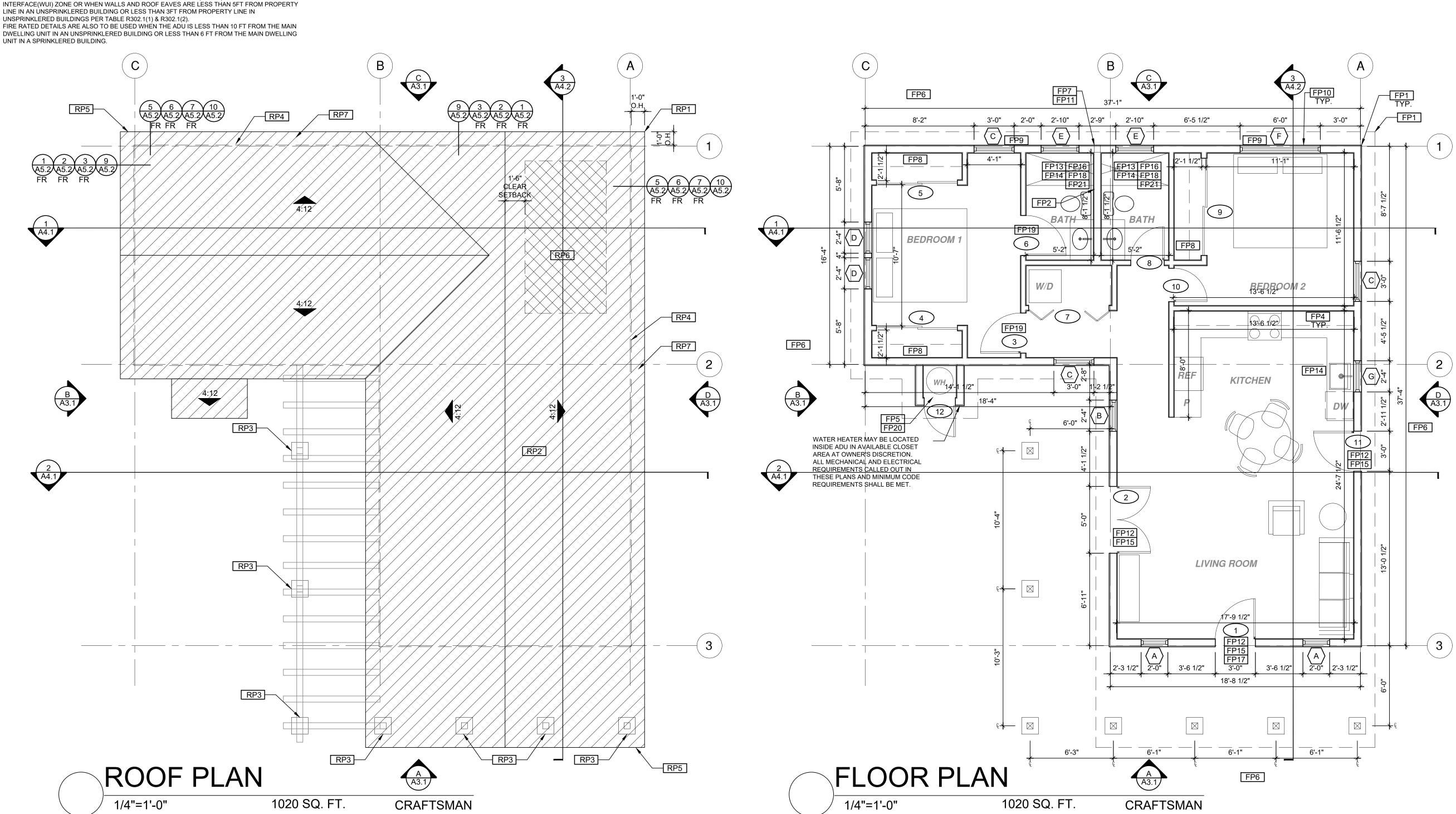
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ROOF KEYNOTES	FLOOR PLAN KEYNOTES	
 RP1 LINE OF ROOF OVERHANG RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET GO.2 RP3 SUPPORT POST BELOW RP4 LINE OF WALLS BELOW RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER IN HIGH FIRE SEVERITY ZONES. RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET RP7 RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX¼", MIN ⅓6" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET 	 FP1 STUD WALL SIZED PER STRUCTURAL FP2 2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING FP3 LINE OF OVERHANG ABOVE FP4 36" HIGH COUNTER FP5 WATER HEATER FP6 SLOPE SURFACE AWAY FROM BUILDING FP7 DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING FP8 CLOSET SHELF AND POLE FP9 EMERGENCY EGRESS WINDOW FP10 WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS FP11 VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION FP12 MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HNGED 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°. 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 	 (FP13) SHOWER ENCLOSURE MUST BE TEMPERED GLAZING IN THE WALLS/DOORS FACING OR CONTAINING BATHTUBS, SHOWERS, HOT TO SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOM INDOOR/OUTDOOR SWIMMING POOLS WHEI BOTTOM EXPOSED EDGE OF THE GLAZING THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS MORE THAN MEASURED HORIZONTALLY, FROM THE WA EDGE OF A BATHTUB, HOT TUB, SPA, WHIRL OR SWIMMING POOL. SHOWER DOORS SHA AS TO MAINTAIN NOT LESS THAN A 22-INCH UNOBSTRUCTED OPENING FOR EGRESS. (FP14) PER SECTION 301.1.1 CALGREEN AND CIVIL 1101.3(c), ALL PLUMBING FIXTURES SHALL B COMPLIANT WATER -CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING PIFURTHER INFORMATION (FP15) LANDING OR FLOOR REQUIRED AT EACH SID EXTERIOR DOOR. WIDTH TO BE NOT LESS T DOOR SERVED AND HAVE A MIN 36 INCH DE MEASURED IN THE DIRECTION OF TRAVEL. ELANDINGS SHALL BE PERMITTED TO HAVE A NOT TO EXCEED ¹/₄" PER FOOT, (CRC 3111.3) OR FINISHED FLOORS AT EGRESS DOOR SH BE MORE THAN 1.5" LOWER THAN THE TOP OT THRESHOLD FOR OUTWARD SWINGING DOOR 7.75" FOR DOORS THAT DO NOT SWING OUT (CRC 3111.3.1) DOORS OTHER THAN THE REQUIRED EGRESS SHALL BE PROVIDED WITH LANDINGS OR FL MORE THAN 7.75" BELOW THE TOP OF THE THRESHOLD (CRC 3111.3.2)

FIRE RATED DETAILS NOTED WITH THE ABBREVIATION "FR" ARE TO BE USED WHEN THE

PROPERTY IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE (VHFSZ) OR WILDLAND URBAN

OSURE MUST BE TEMPERED. E WALLS/DOORS FACING OR ATHTUBS, SHOWERS, HOT TUBS, POOLS, SAUNAS, STEAM ROOMS AND OOR SWIMMING POOLS WHERE THE SED EDGE OF THE GLAZING IS LESS /E THE STANDING SURFACE. LAZING THAT IS MORE THAN 60", RIZONTALLY, FROM THE WATER'S THTUB, HOT TUB, SPA, WHIRLPOOL POOL. SHOWER DOORS SHALL OPEN IN NOT LESS THAN A 22-INCH

301.1.1 CALGREEN AND CIVIL CODE LUMBING FIXTURES SHALL BE ATER -CONSERVING PLUMBING MECHANICAL / PLUMBING PLANS FOR RMATION

LOOR REQUIRED AT EACH SIDE OF OR. WIDTH TO BE NOT LESS THAN THE AND HAVE A MIN 36 INCH DEPTH THE DIRECTION OF TRAVEL. EXTERIOR LL BE PERMITTED TO HAVE A SLOPE D_{4}^{1} " PER FOOT, (CRC 3111.3) LANDINGS LOORS AT EGRESS DOOR SHALL NOT 1.5" LOWER THAN THE TOP OF THE OR OUTWARD SWINGING DOORS OR RS THAT DO NOT SWING OUTWARD.

THAN THE REQUIRED EGRESS DOOR VIDED WITH LANDINGS OR FLOORS NOT 75" BELOW THE TOP OF THE

FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS USED AS BACKERS FOR WALL TILE IN TUBE AND REINFORCED GYPSUM PANELS, NON-ASBESTOS FIBER CEMENT BACKER BOARD, OR NON-ASBESTOS FIBER CEMENT REINFORCED CEMENTITIOUS BACKER UNITS INSTALLED IN ACCORDANCE

WITH MANUFACTURERS' RECOMMENDATIONS. FP17 DOOR BELL BUTTON TO BE NO MORE THEN 48" ABOVE EXTERIOR FLOOR OR LANDING

FP18 WATER CLOSET AND SHOWER TO HAVE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO 39.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL NOTE #28 ON SHEET G0.2 FOR FURTHER INFORMATION. WHERE THE WATER CLOSET IS NOT PLACED ADJACENT TO A SIDE WALL CAPABLE OF ACCOMMODATING A GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS

APPROVED BY THE ENFORCING AGENCY. FP19 DOOR TO HAVE A NET CLEAR OPENING OF 32"

FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(N)

FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

SOLAR READY NOTES

SOLAR READY ROOF AREA:

MIN DIMENSION > 5FT. MIN. SF. > 80SF. PER CALIFORNIA ENERGY CODE SECTION 110.10(b)

THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, AND S[PACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN 250SQFT.

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.

CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF:_ TO BE UPDATED WITH SITE SPECIFIC NUMBERS.

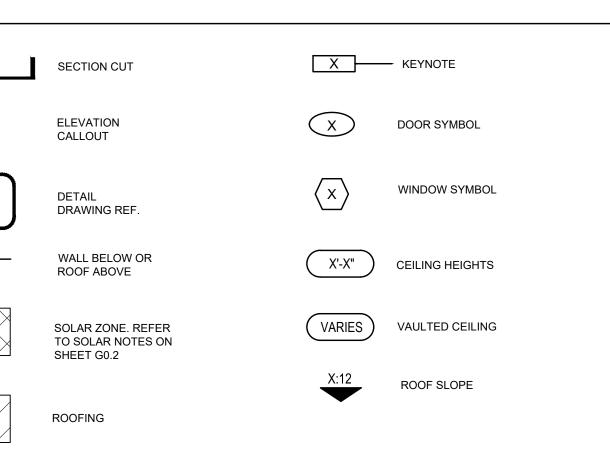
VENTING CALCULATIONS

ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 1020 SF.

VENTILATION AREA REQUIRED: 1020SF./150SF.= 6.80 SF. CONVERT TO SQ. IN: <u>6.80</u> SF. x 144 = <u>979</u> SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 979 SQ. IN.

LEGEND





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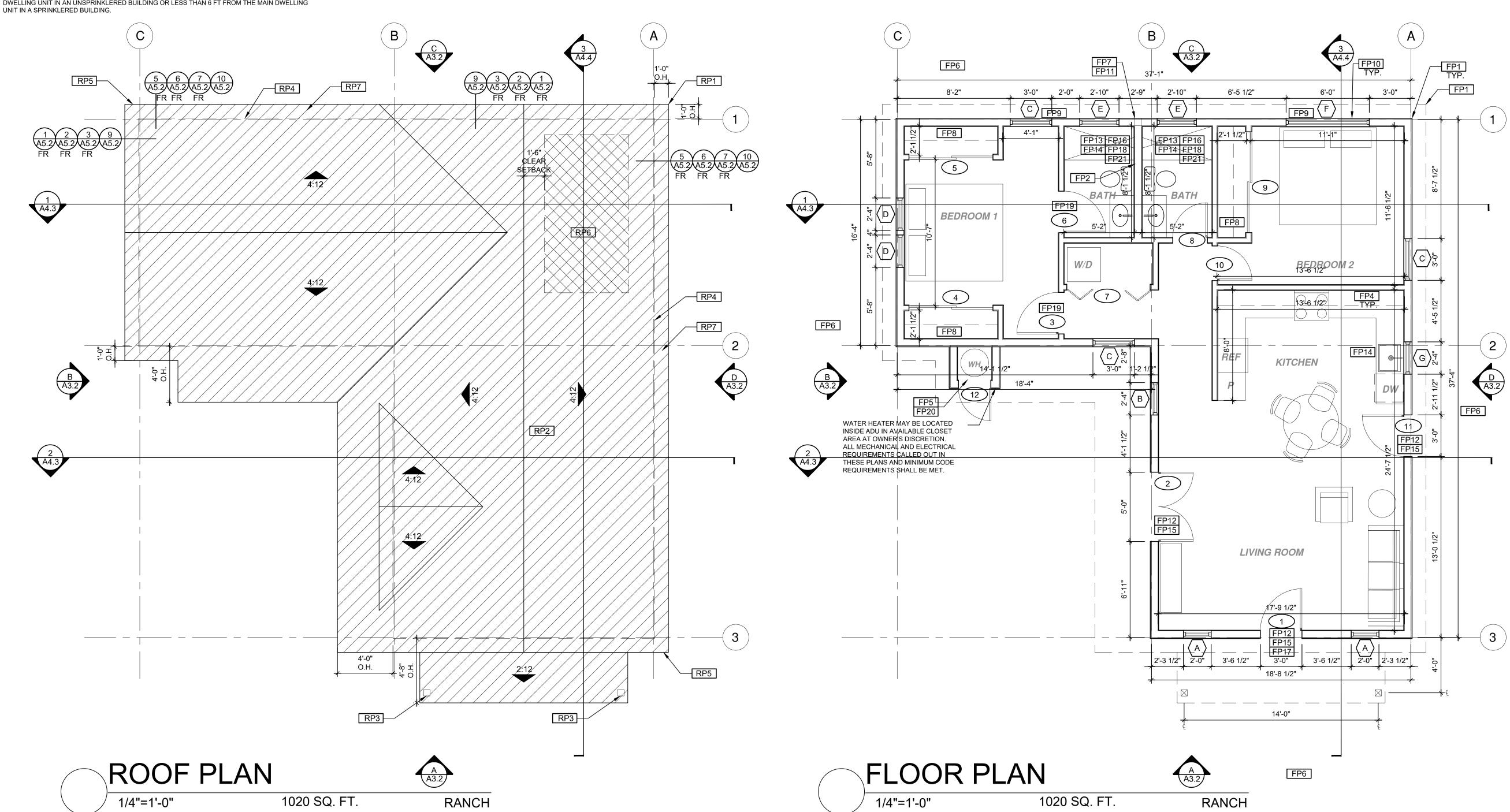
description

Roof & Floor Plan

Craftsman

date October 2023 project no. Riverside ADU DESIGN PATH STUDIO drawn by

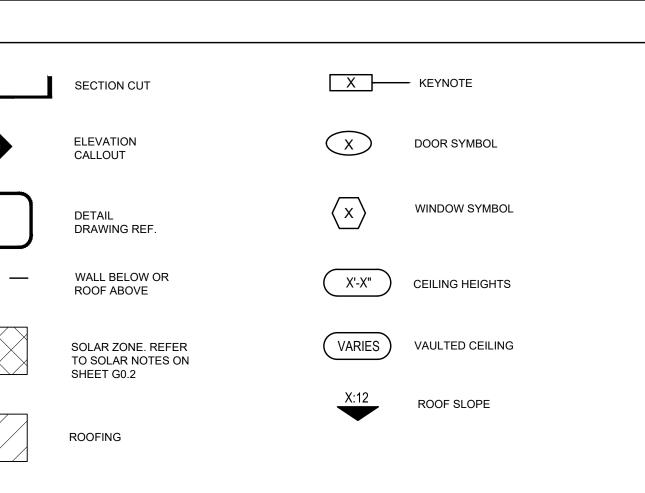
FIRE RATED DETAILS NOTED WITH THE ABBREVIATION "FR" ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE (VHFSZ) OR WILDLAND URBAN INTERFACE(WUI) ZONE OR WHEN WALLS AND ROOF EAVES ARE LESS THAN 5FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3FT FROM PROPERTY LINE IN UNSPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 FT FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILDING OR LESS THAN 6 FT FROM THE MAIN DWELLING



FLOOR PLAN KEYNOTES

 FP1 STUD WALL SIZED PER STRUCTURAL FP2 2x6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING FP3 LINE OF OVERHANG ABOVE FP4 36" HIGH COUNTER FP5 WATER HEATER FP6 SLOPE SURFACE AWAY FROM BUILDING FP7 DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING FP8 CLOSET SHELF AND POLE FP9 EMERGENCY EGRESS WINDOW FP10 WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS FP11 VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION FP12 MIN. 1 HINGED ENTRY DOOR FOR EGRESS COOR SHALL BE SIDE-HNGED 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°. THE CLEAR HEIGHT OF THE DOOR OPEN 90°. THE CLEAR	 (FP13) SHOWER ENCLOSURE MUST I GLAZING IN THE WALLS/DOOF CONTAINING BATHTUBS, SHO SPAS, WHIRLPOOLS, SAUNAS INDOOR/OUTDOOR SWIMMING BOTTOM EXPOSED EDGE OF THAN 60" ABOVE THE STANDI EXCEPTION: GLAZING THAT IS MEASURED HORIZONTALLY, F EDGE OF A BATHTUB, HOT TU OR SWIMMING POOL. SHOWE AS TO MAINTAIN NOT LESS TH UNOBSTRUCTED OPENING FOR 1101.3(c), ALL PLUMBING FIXTI COMPLIANT WATER -CONSER FIXTURES. SEE MECHANICAL FURTHER INFORMATION (FP15) LANDING OR FLOOR REQUIRE EXTERIOR DOOR. WIDTH TO B DOOR SERVED AND HAVE A M MEASURED IN THE DIRECTION LANDINGS SHALL BE PERMITT NOT TO EXCEED ¹/₄" PER FOOT. OR FINISHED FLOORS AT EGR BE MORE THAN 1.5" LOWER TI THRESHOLD FOR OUTWARD S 7.75" FOR DOORS THAT DO NO (CRC 3111.3.1) DOORS OTHER THAN THE REG SHALL BE PROVIDED WITH LA MORE THAN 7.75" BELOW THE THRESHOLD (CRC 3111.3.2)
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SOLAR READY NOTES LEGEND FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR URE MUST BE TEMPERED. SOLAR READY ROOF AREA: APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR ALLS/DOORS FACING OR MIN DIMENSION > 5FT. MIN. SF. > 80SF. ITUBS, SHOWERS, HOT TUBS, TUB WITH SHOWERS. MATERIALS USED AS BACKERS FOR PER CALIFORNIA ENERGY CODE SECTION 110.10(b) LS, SAUNAS, STEAM ROOMS AND WALL TILE IN TUBE AND REINFORCED GYPSUM PANELS, SWIMMING POOLS WHERE THE THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, NON-ASBESTOS FIBER CEMENT BACKER BOARD, OR DEDGE OF THE GLAZING IS LESS NON-ASBESTOS FIBER CEMENT REINFORCED AND S[PACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER \square HE STANDING SURFACE. PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION CEMENTITIOUS BACKER UNITS INSTALLED IN ACCORDANCE ING THAT IS MORE THAN 60", WITH MANUFACTURERS' RECOMMENDATIONS. SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF ONTALLY, FROM THE WATER'S UB, HOT TUB, SPA, WHIRLPOOL OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN FP17 DOOR BELL BUTTON TO BE NO MORE THEN OOL. SHOWER DOORS SHALL OPEN 250SQFT. 48" ABOVE EXTERIOR FLOOR OR LANDING OT LESS THAN A 22-INCH FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE OPENING FOR EGRESS. FP18 WATER CLOSET AND SHOWER TO HAVE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR 1.1 CALGREEN AND CIVIL CODE SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR 39.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL IBING FIXTURES SHALL BE PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW NOTE #28 ON SHEET G0.2 FOR FURTHER INFORMATION. _____ R -CONSERVING PLUMBING TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS WHERE THE WATER CLOSET IS NOT PLACED ADJACENT CHANICAL / PLUMBING PLANS FOR REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. TO A SIDE WALL CAPABLE OF ACCOMMODATING A ATION GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY OR REQUIRED AT EACH SIDE OF CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF:_ OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS WIDTH TO BE NOT LESS THAN THE TO BE UPDATED WITH SITE SPECIFIC NUMBERS. APPROVED BY THE ENFORCING AGENCY. D HAVE A MIN 36 INCH DEPTH DIRECTION OF TRAVEL. EXTERIOR FP19 DOOR TO HAVE A NET CLEAR **VENTING CALCULATIONS** BE PERMITTED TO HAVE A SLOPE OPENING OF 32" PER FOOT, (CRC 3111.3) LANDINGS FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR ORS AT EGRESS DOOR SHALL NOT INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP " LOWER THAN THE TOP OF THE WATER HEATER PER CEC 2022 SECTION 150.0(N) ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR OUTWARD SWINGING DOORS OR ENCLOSED RAFTER AREA. THAT DO NOT SWING OUTWARD. FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER ENCLOSED RAFTER AREA: 1020 SF. LENGTH VENTILATION AREA REQUIRED: 1020SF./150SF.= 6.80 SF. AN THE REQUIRED EGRESS DOOR CONVERT TO SQ. IN: <u>6.80</u> SF. x 144 = <u>979</u> SQ. IN. ED WITH LANDINGS OR FLOORS NOT MINIMUM VENTILATION AREA REQUIRED: 979 SQ. IN. BELOW THE TOP OF THE



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project City of Riverside

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revisions

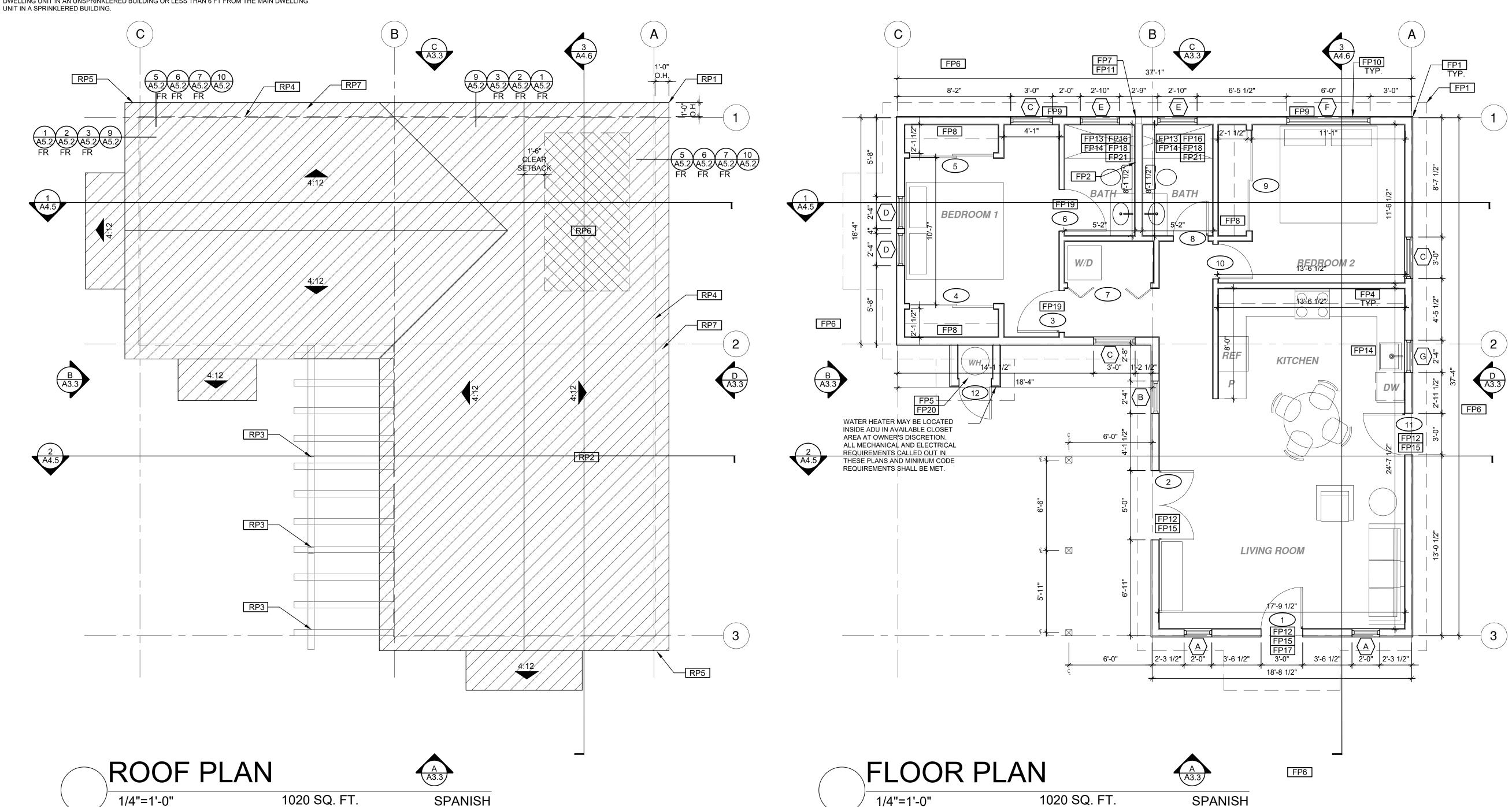
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Floor Plan

Ranch

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FIRE RATED DETAILS NOTED WITH THE ABBREVIATION "FR" ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE (VHFSZ) OR WILDLAND URBAN INTERFACE(WUI) ZONE OR WHEN WALLS AND ROOF EAVES ARE LESS THAN 5FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3FT FROM PROPERTY LINE IN UNSPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 FT FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILDING OR LESS THAN 6 FT FROM THE MAIN DWELLING







ROOF KEYNOTES

RP1 LINE OF ROOF OVERHANG
RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2
RP3 SUPPORT POST BELOW
RP4 LINE OF WALLS BELOW
RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER IN HIGH FIRE SEVERITY ZONES.
RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET
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FLOOR PLAN KEYNOTES

FP1	STUD WALL SIZED PER STRUCTURAL	FP13	SHOWER ENCLOSURE MUST BE TEMPERED GLAZING IN THE WALLS/DOORS FACING OF
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING	CONTAINING BATHTUBS, SHOWER	CONTAINING BATHTUBS, SHOWERS, HOT T SPAS, WHIRLPOOLS, SAUNAS, STEAM ROO
FP3	LINE OF OVERHANG ABOVE		INDOOR/OUTDOOR SWIMMING POOLS WHE BOTTOM EXPOSED EDGE OF THE GLAZING
FP4	36" HIGH COUNTER		THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS MORE THAN
FP5	WATER HEATER		MEASURED HORIZONTALLY, FROM THE WA EDGE OF A BATHTUB, HOT TUB, SPA, WHIR
FP6	SLOPE SURFACE AWAY FROM BUILDING		OR SWIMMING POOL. SHOWER DOORS SHA AS TO MAINTAIN NOT LESS THAN A 22-INCH
FP7	DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING		UNOBSTRUCTED OPENING FOR EGRESS. PER SECTION 301.1.1 CALGREEN AND CIVIL
FP8	CLOSET SHELF AND POLE		1101.3(c), ALL PLUMBING FIXTURES SHALL E COMPLIANT WATER -CONSERVING PLUMBI
FP9	EMERGENCY EGRESS WINDOW		FIXTURES. SEE MECHANICAL / PLUMBING P FURTHER INFORMATION
FP10	WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS VENT DRYER THROUGH WALL. SEE MECHANICAL /	FP15 LANDING OR FLOOR REQUIRED EXTERIOR DOOR. WIDTH TO BE I DOOR SERVED AND HAVE A MIN MEASURED IN THE DIRECTION O	LANDING OR FLOOR REQUIRED AT EACH SI EXTERIOR DOOR. WIDTH TO BE NOT LESS DOOR SERVED AND HAVE A MIN 36 INCH DE MEASURED IN THE DIRECTION OF TRAVEL. LANDINGS SHALL BE PERMITTED TO HAVE
	PLUMBING PLANS FOR FURTHER INFORMATION		NOT TO EXCEED $\frac{1}{4}$ " PER FOOT, (CRC 3111.3) OR FINISHED FLOORS AT EGRESS DOOR SI
FP12	MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HNGED 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°. 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	THRESHOLD FOR OUTWARD SWING 7.75" FOR DOORS THAT DO NOT SW (CRC 3111.3.1) DOORS OTHER THAN THE REQUIRE SHALL BE PROVIDED WITH LANDING	BE MORE THAN 1.5" LOWER THAN THE TOP THRESHOLD FOR OUTWARD SWINGING DO 7.75" FOR DOORS THAT DO NOT SWING OU (CRC 3111.3.1) DOORS OTHER THAN THE REQUIRED EGRE SHALL BE PROVIDED WITH LANDINGS OR F MORE THAN 7.75" BELOW THE TOP OF THE





1020 SQ. FT.

JRE MUST BE TEMPERED. ALLS/DOORS FACING OR TUBS, SHOWERS, HOT TUBS, S, SAUNAS, STEAM ROOMS AND SWIMMING POOLS WHERE THE DEDGE OF THE GLAZING IS LESS HE STANDING SURFACE. ING THAT IS MORE THAN 60", ONTALLY, FROM THE WATER'S UB, HOT TUB, SPA, WHIRLPOOL OL. SHOWER DOORS SHALL OPEN OT LESS THAN A 22-INCH

1.1 CALGREEN AND CIVIL CODE IBING FIXTURES SHALL BE R -CONSERVING PLUMBING CHANICAL / PLUMBING PLANS FOR TION

R REQUIRED AT EACH SIDE OF WIDTH TO BE NOT LESS THAN THE HAVE A MIN 36 INCH DEPTH DIRECTION OF TRAVEL. EXTERIOR E PERMITTED TO HAVE A SLOPE PER FOOT, (CRC 3111.3) LANDINGS ORS AT EGRESS DOOR SHALL NOT LOWER THAN THE TOP OF THE UTWARD SWINGING DOORS OR HAT DO NOT SWING OUTWARD.

AN THE REQUIRED EGRESS DOOR ED WITH LANDINGS OR FLOORS NOT ELOW THE TOP OF THE 3111.3.2)

FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS USED AS BACKERS FOR WALL TILE IN TUBE AND REINFORCED GYPSUM PANELS, NON-ASBESTOS FIBER CEMENT BACKER BOARD, OR NON-ASBESTOS FIBER CEMENT REINFORCED

CEMENTITIOUS BACKER UNITS INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. FP17 DOOR BELL BUTTON TO BE NO MORE THEN

48" ABOVE EXTERIOR FLOOR OR LANDING FP18 WATER CLOSET AND SHOWER TO HAVE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO 39.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL NOTE #28 ON SHEET G0.2 FOR FURTHER INFORMATION.

WHERE THE WATER CLOSET IS NOT PLACED ADJACENT TO A SIDE WALL CAPABLE OF ACCOMMODATING A GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS APPROVED BY THE ENFORCING AGENCY.

FP19 DOOR TO HAVE A NET CLEAR OPENING OF 32"

FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(N)

FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

SOLAR READY NOTES

SOLAR READY ROOF AREA: MIN DIMENSION > 5FT. MIN. SF. > 80SF.

PER CALIFORNIA ENERGY CODE SECTION 110.10(b)

THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, AND S[PACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN 250SQFT.

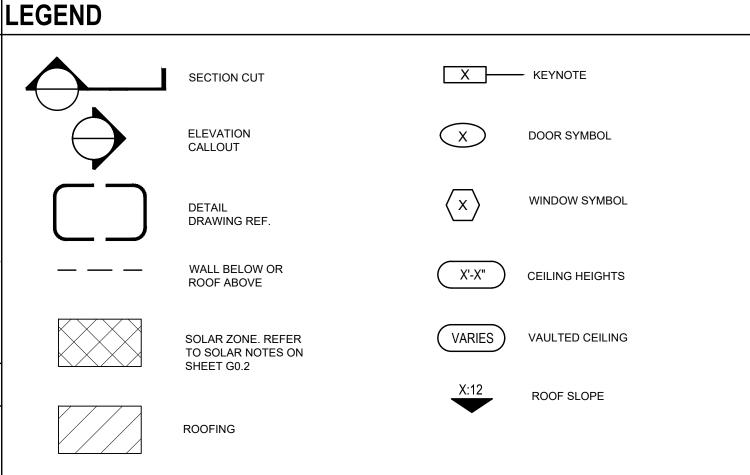
FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH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

CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF:_ TO BE UPDATED WITH SITE SPECIFIC NUMBERS.

VENTING CALCULATIONS

ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 1020 SF.

VENTILATION AREA REQUIRED: 1020SF./150SF.= 6.80 SF. CONVERT TO SQ. IN: 6.80 SF. x 144 = 979 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 979 SQ. IN.



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revisions \square

description

date

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Floor Plan

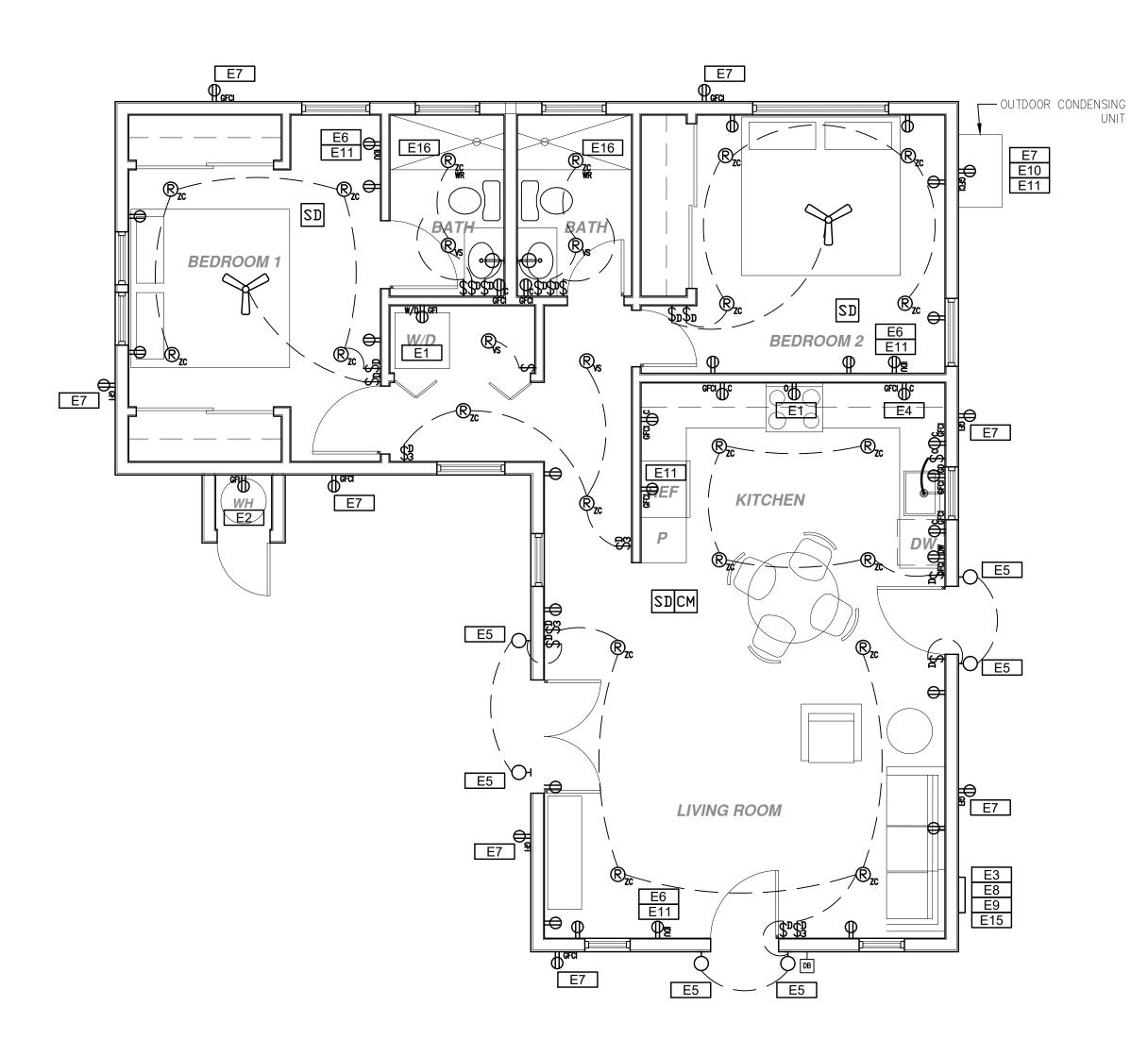
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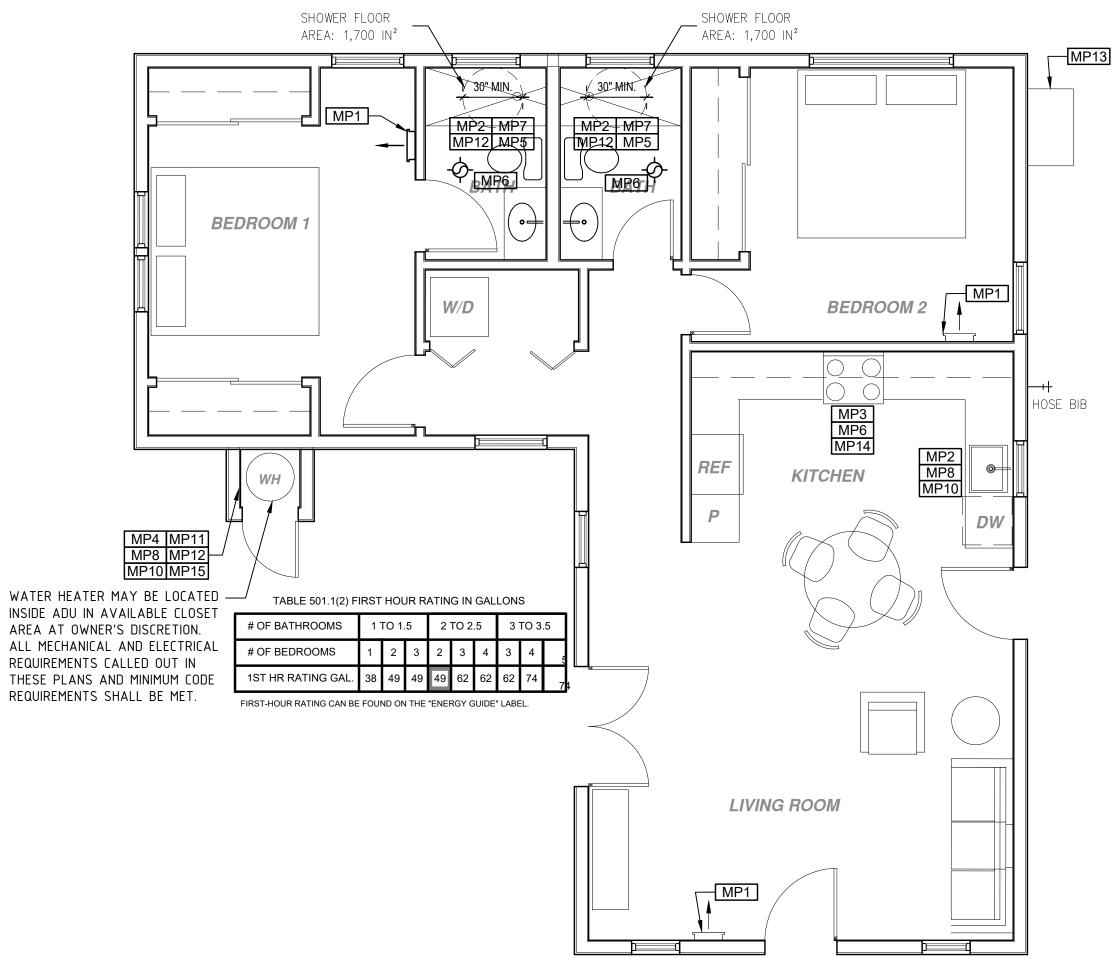
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MECHANICAL / PLUMBING KEYNOTES	ELECTRICAL KEYNOTES	MECHANICAL LEGEND	ELECTRICAL LEGEND
MP1 INDOOR UNIT MINI SPLIT SYSTEM. MP9 MP2 WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NOT EXCEED 2.2 GALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX, FLOW RATE CO T. 86.0ALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX, FLOW RATE CO T. 86.0ALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX, FLOW RATE CO T. 86.0ALLONS PER MIN. AT 60 PSI, AND SHOWERS NOT EXCEED 1.8 GPM. AT 80 PSI AND ALL SHALL BE CERTIFIED TO MEET THE PERFORMANCE CRITERIA OF THE EPA WATERSENCE SPECIFICATIONS FOR SHOWERHEADS. CPC SECTION 3407, 408, 411, 412 AND SECTION 301.1.1 CALGREEN CODE AND CIVIL CODE 110.3(c) MP10 MP30 EXHAUST HOOD ABOVE/T DB ESMOOTH METALLIC INTERIOR COMPLETE WITH HOSE BIS DO THER FITTINGS ON EACH VALVES FOR FLUSHING THE WATER HEATER VIEW THE VALVES AN BOTH THE BASE OF THE HEATER THAT ALSO ALLOWS GRAVUT DRAINAGE PLEASE SET TABLE 501.1(2) ON THIS SHEET FOR FIRST HOUR RATING IN GALLONS MP413 MEMOND OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS MP113 OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT MP66 MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS MP13 OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT MP66	 E1 DEDICATED 30 AMP/240V POWER FOR ELECTRIC DRYER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE SPECIFICATIONS - ELECTRIC COOKTOP READY REQUIREMENTS ARE TO BE IMPLEMENTED, SEE SHEET G0.2, ELECTRIC READY 150.0(u) FOR REQUIREMENTS E2 OUTLET FOR NEW ELECTRIC HYBRID HEAT PUMP WATER HEATER WITHIN 3' OF WATER HEATER. SEE ELECTRICAL NOTE #16 ON G0.2 FOR MORE INFORMATION E3 SUBPANEL LOCATION ALTERNATE LOCATION TO BE DETERMINED BY OWNER E4 OUTLET A COUNTER HEIGHT - SHALL COMPLY WITH GEC ARTICLE 210.52(C): IN NITCHENS A RECEPTACLE OUTLET SHALL BE INSTALLED SO THAT NO POINT ALLONG THE WALL IS MORE THAN 24*; ISLAND IN PENINSULAR COUNTERTOPS 12* X24* LONG (OR GREATER) SHALL HAVE AT LEAST ONCE RECEPTACLE E5 OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICICAL YOR STALLED AF ARE REQUIRED TO BE HIGH EFFICICAL YOR STALLED TO EXISTING PANEL- ALUMINUM CONDUCTOR BURED TO EXISTING PANEL- ALLOWABLE VOLTAGE BROP PER CEC 250.4 E9 SEPARATE GROUND ELECTRICE SYSTEM PER CEC 250.4 	 MECHANICAL BATHROOM EXHAUST FAN: MINIMUM 50 CFM TO BE DUCTED TO THE EXTERIOR AND SHALL PROVIDE FIVE AIR CHANGES PER HOUR. CFM AND NOISE RATING MAXIMUM 3 SONE FOR INTERMITTENT USE. SHALL BE ENERGY STAR RATED AND CONTROLLED BY A HUMIDISTAT CAPABLE OF AN ADJUSTMENT BETWEEN 50-80% HUMIDITY. IQA FAN IS REQUIRED. ONE OR MORE FANS (EITHER KITCHEN OR BATHROOM) TO OPERATE CONTINUOUSLY AT REQUIRED CFM PER HERS NOTES ON T1.1(OR GREATER) TO PROVIDE INDOOR AIR QUALITY. AT THE IAQ FAN SWITCH, A LABEL CLEARLY DISPLAYING THE FOLLOWING OR EQUIVALENT TEXT IS REQUIRED: "THIS SWITCH CONTROLS THE INDOOR AIR QUALITY VENTILATION FOR THE HOME. LEAVE IT ON UNLESS THE OUTDOOR AIR QUALITY IS VERY POOR. DUCT SYSTEMS ARE SIZED, DESIGNED AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS.: SIZE DUCT SYSTEMS ACCORDING TOASHARE STANDARD 62.2 TABLE 7.1 PROVIDED ON THIS SHEET 3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ ACCA 2 MANUAL J-2011 OR EQUIVALENT. SIZE DUCT SYSTEMS ACCORDING TOASHARE STANDARD 62.2 TABLE 7.1 PROVIDED ON THIS SHEET 3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ ACCA 3 MANUAL S-2014 OR EQUIVALENT. RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED 	FIRE DETECTION SMOKE DETECTORS PER SECTION R314 DETECTORS SHALL BE PERMANENTLY WIRED WITH BATTERY BACKUP. SOUND AN ALARM AUDIBLE IN ALL SLEEPING AREAS. ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL O F THE ALARMS IN THE UNIT. SHALL COMPLY WITH THE FOLLOWING:





	SWI	TCHING	LIGH	ITING
CEPTACLE DUPLEX U.O.N.	\$ ¢	SWITCH, MOUNT AT 43" AFF THREE-WAY SWITCH	\mathbb{R}_{D}	CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB
I 0 V	\$ ₃ \$ ₄ \$ _D	FOUR-WAY SWITCH DIMMER SWITCH	\mathbb{R}_{zc}	CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB
_ 110 V	\$ \$ \$ _S	MOUNT 6" ABV COUNTER OCCUPANCY/VACANCY SENSOR	$\mathbb{R}_{_{_{WR}}}$	CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB
ABV COUNTER	MISC		\mathbb{R}_{vs}	CEILING, RECESSED, LED BULB WITH OCCUPANT OR VACANCY SENSOR
R 84" AFF		CEILING FAN/LIGHT COMBO	Ю	WALL MOUNTED LIGHT
	\bigcap	CIRCUIT WIRING	(\mathbf{j})	JUNCTION BOX FLUSH CEILING MOUNTED
FOUTLET LEX		DOOR BELL		LOW VOLTAGE, LANDSCAPE LIGHT
LOCATION IN	Т	BUTTON	- 	FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)
	ROOM	EXHAUST FAN REQUIR	EMEN	TS: PER CGBC 4.506.1-
EACH E FANS S UNLES CONTR BETWE UTILIZE COMPC	BATHROC HALL BE S FUNCT OLLED B EN A RE MANUA DNENT TO	M SHALL BE MECHANICALLY ENERGY STAR COMPLIANT A IONING AS A COMPONENT OF Y A HUMIDITY CONTROL. A. H LATIVE HUMIDITY RANGE OF < L OR AUTOMATIC MEANS OF A D EXHAUST FAN AND IS NOT F	VENTILA ND BE D A WHOL UMIDITY = 50 %<br ADJUSTN REQUIRE	TED AND SHALL COMPLY WITH THE FOLLOWING: 1. UCTED TO TERMINATE OUTSIDE THE BUILDING. 2. E HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLS SHALL BE CAPABLE OF ADJUSTMENT TO A MAXIMUM OF 80 %. A HUMIDITY CONTROL MAY IENT. B. A HUMIDITY CONTROL MAY BE A SEPARATE D TO BE INTEGRAL(I.E. BUILT IN)
		ENERGY LIGHTING REC		
EFFICA *BATHF INSTAL AUTOM	CY. ROOMS, (LED LUM IATIC-OF	GARAGES, LAUNDRY ROOMS, INAIRE SHALL BE CONTROLLE F FUNCTIONALITY.	UTILITY ED BY AN	AGE RATING OF THE FIXTURES MUST BE HIGH ROOMS AND WALK-IN CLOSETS, AT LEAST ONE I OCCUPANCY OR VACANCY SENSOR PROVIDING GARAGE AND EXTERIOR, SHALL BE HIGH
EFFICA				

D 0 _____ \square σ \supset S Τ \cap \supset - - \sim \triangleleft D Ω ⊲ Δ Ζ Ζ C S C ш +--- \Box _____ S ----Ш () \square BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S

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project

City of Riverside Pre-Approved ADU Program

revisions



description Mechanical/ Electrical/ Plumbing Plan

date

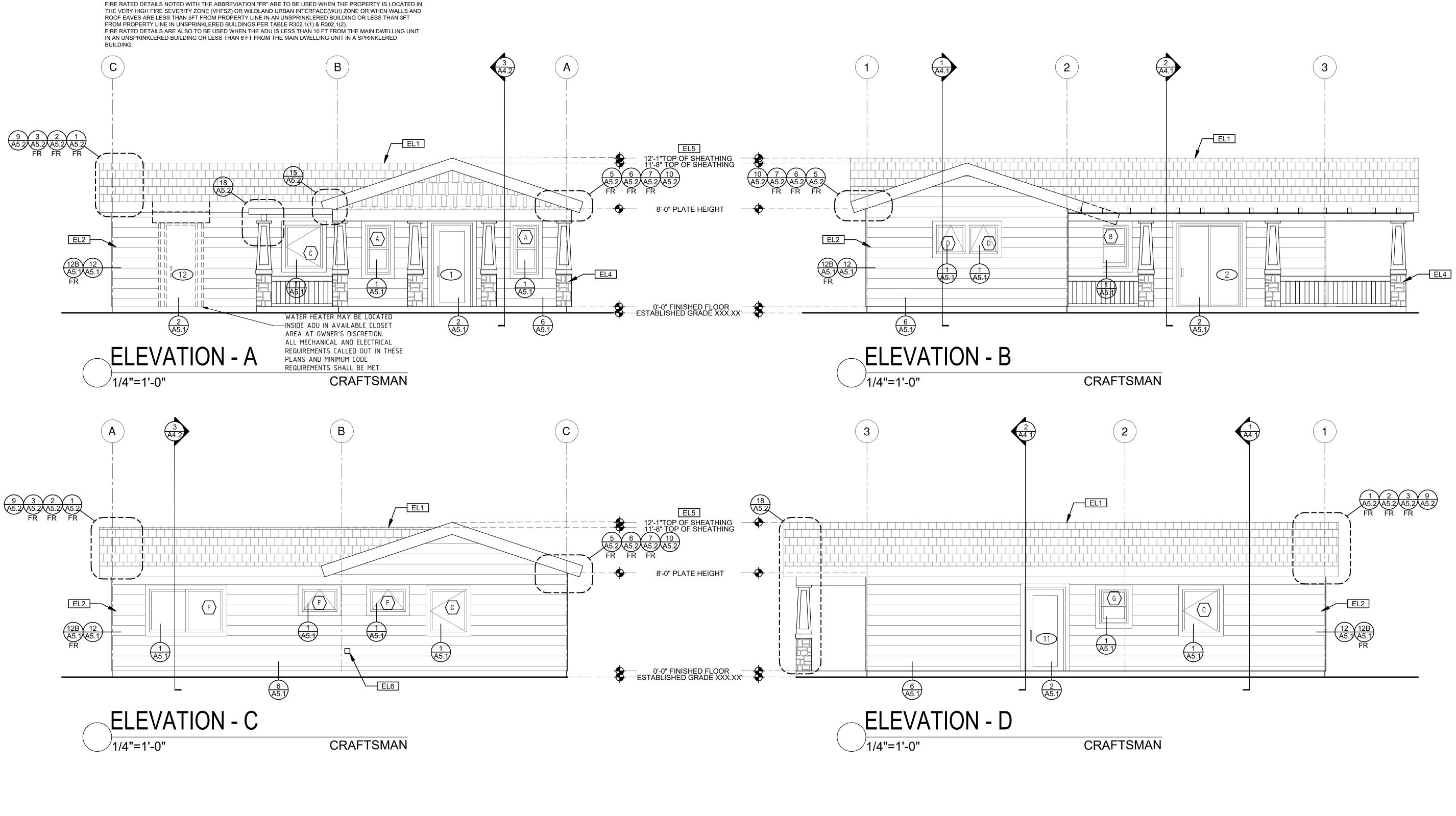
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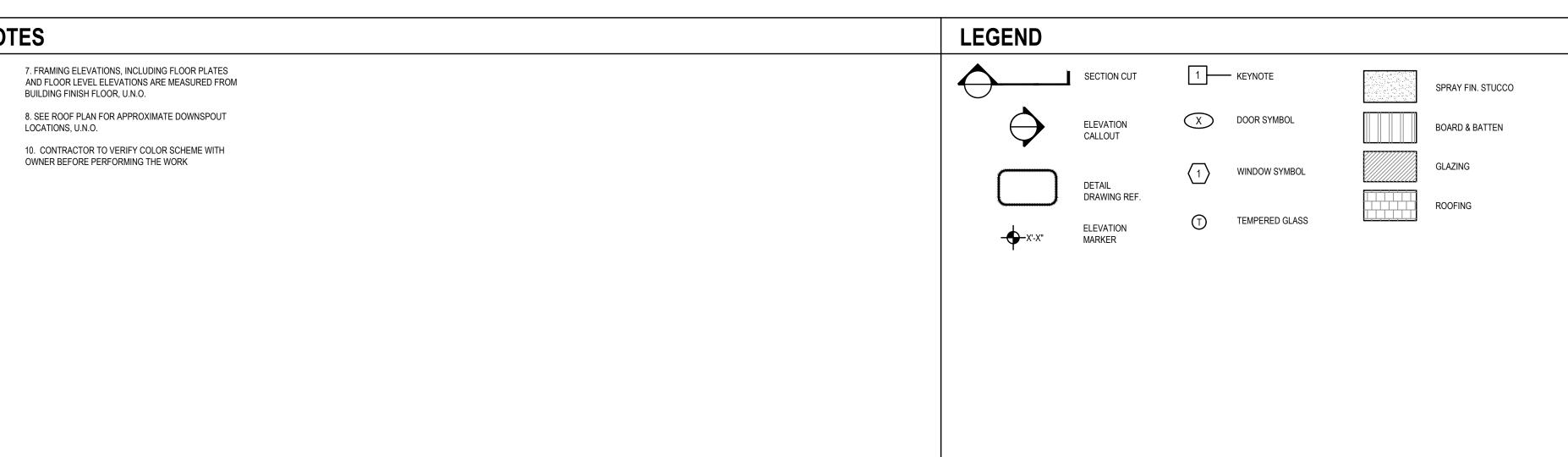
drawn by

DESIGN PATH STUDIO

October 2023



ELEVATION KEYNOTES	ELEVATION GENERAL NOT
EL1 MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS	1. ALL DIMENSIONS TO FINISH FACE, U.N.O.
EL2 SIDING EL3 STUCCO	2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.
EL3 010000 EL4 STONE VENEER EL5 HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND PROPOSED GRADES EL6 DRYER VENT TERMINATION (MINIMUM OF 3 FT	 3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES. 4. REFER TO FRAMING PLANS, FLOOR PLANS, AND
FROM ANY OPENING)	SECTIONS FOR CLARIFICATION AND DIMENSIONS 5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS
	 6. LATH & PLASTER A. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURES, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL. B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREEDS AND ACCESSORIES ARE TO BE GALVANIZED.PROVIDE CASING BEADS AT ALL JOINTS OF STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE NOTED C. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS ARE TO CONSIST OF A SCRATCH (3/8" AND A TWO COAT FINISH (1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNIA LATHING AND PLASTERING CONTRACTORS ASSOCIATION.



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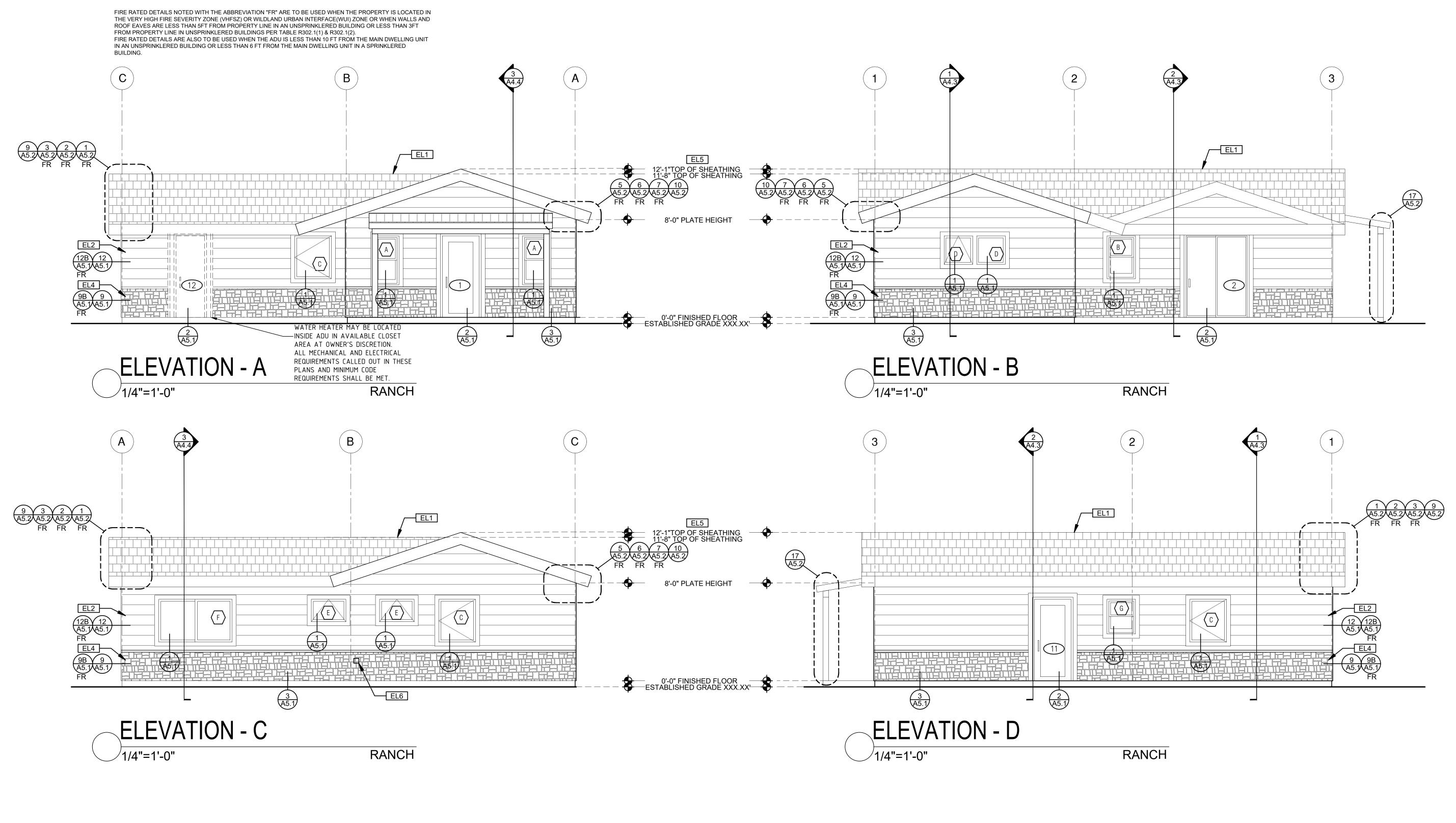
project

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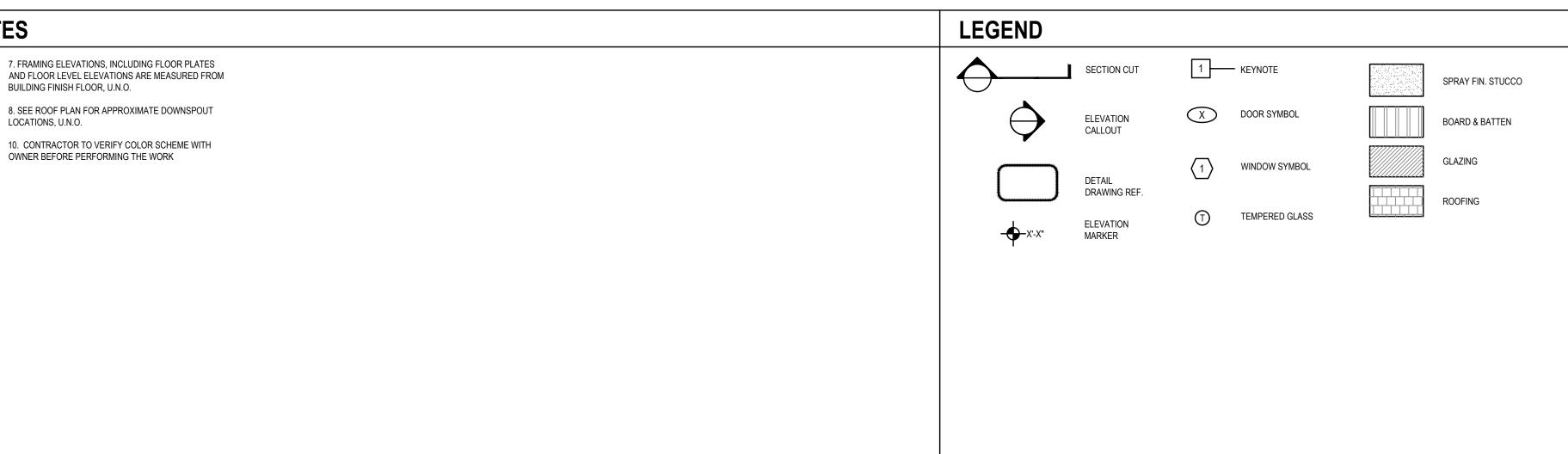
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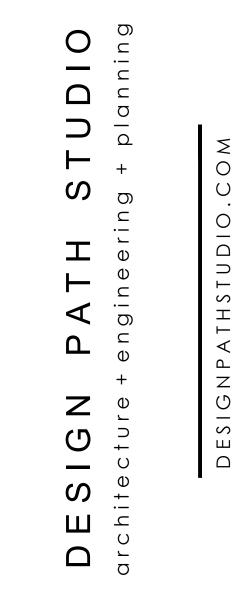
description Exterior Elevations Craftsman

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	\3.1



ELEVATION KEYNOTES	ELEVATION GENERAL NOTES	
EL1 MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS EL2 SIDING EL3 STUCCO EL4 STONE VENEER EL5 HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND PROPOSED GRADES EL6 DRYER VENT TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)	1. ALL DIMENSIONS TO FINISH FACE, U.N.O. 7. FRAMIN AND FLO 2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O. 8. SEE RC 3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO. CONSTRUCTION AND IMMEDIATELY 10. CONT NOTIFY ARCHITECT OF ANY DISCREPANCIES. 4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS 5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS 6. LATH & PLASTER A. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURES, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND PROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL. B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREEDS AND ACCESNIES ARE TO DE GALVANZED.PROVIDE CEASING BEADS AT ALL JOINTS OF STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE NOTED C. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS ARE TO CONSIST OF A SCRATCH (3)/8" AND A TWO COAT FINISH (1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNA LATHING AND PLASTERING CONTRACTORS ASSOCIATION.	





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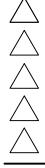
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project

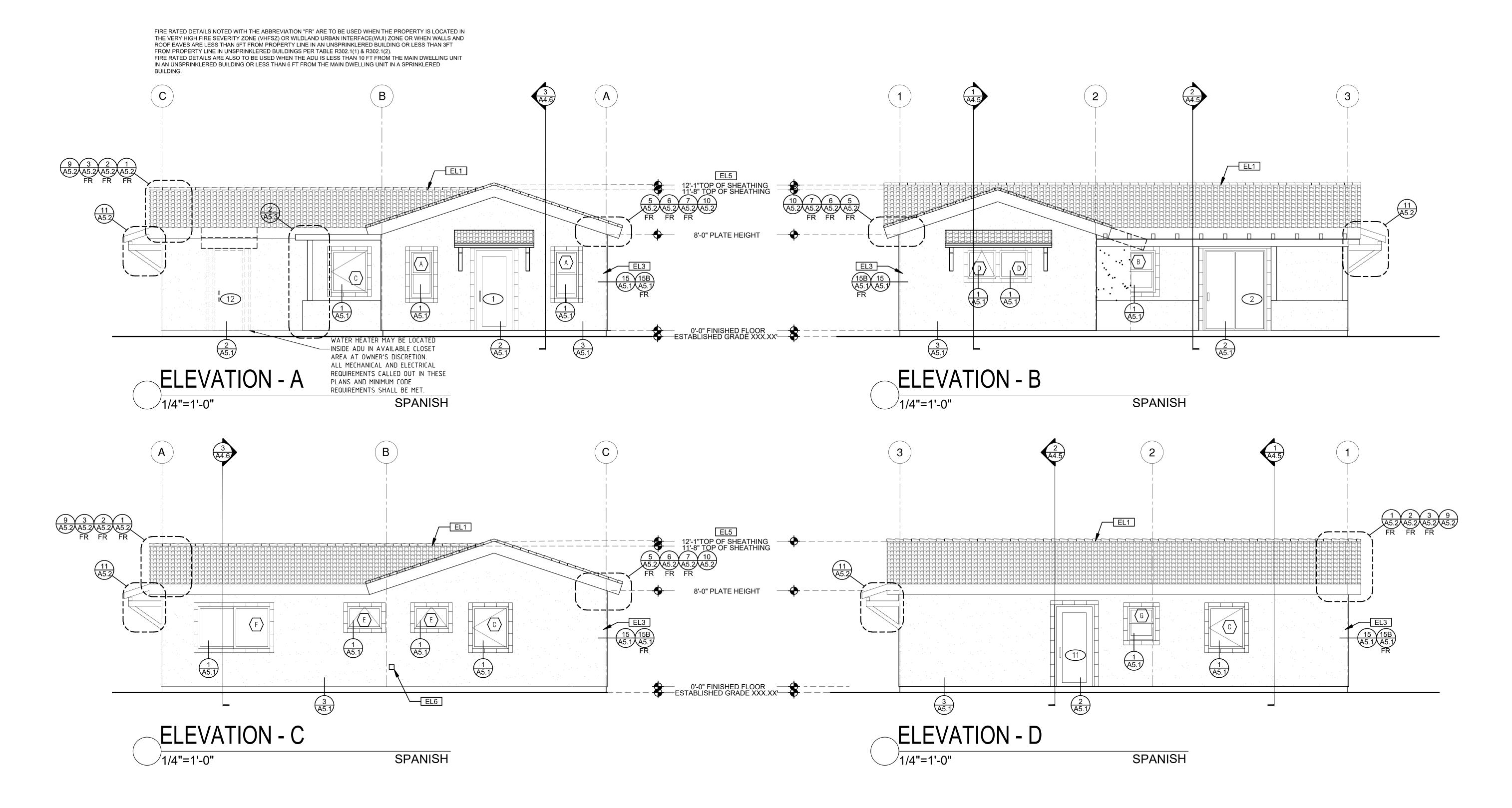
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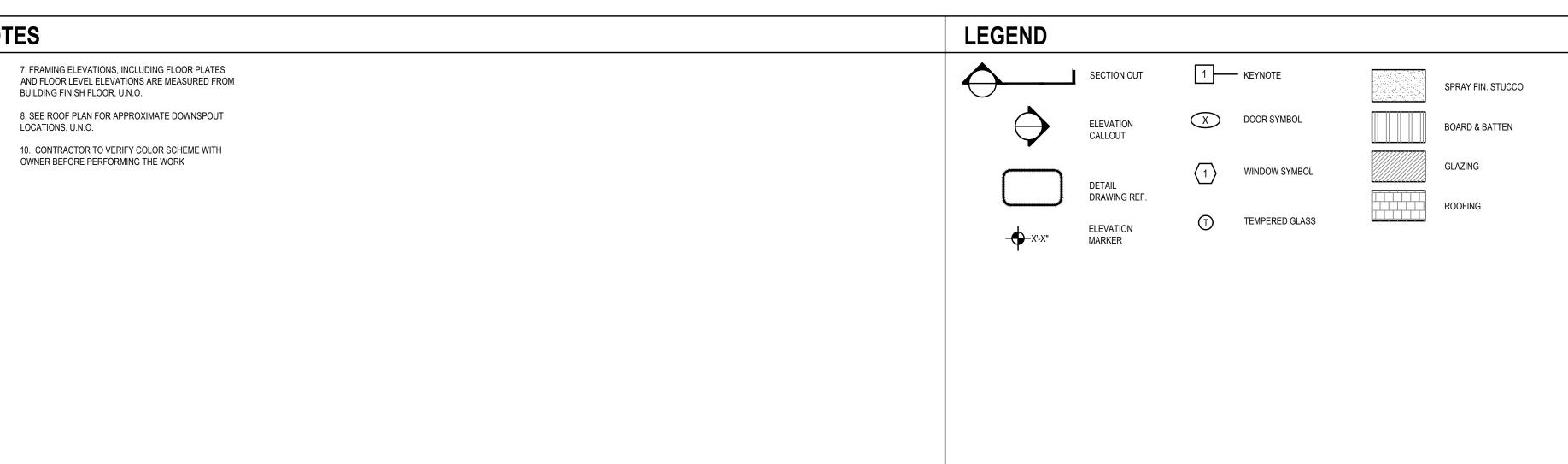


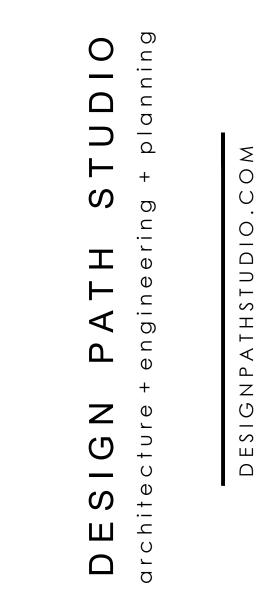
description Exterior Elevations Ranch

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	3.2



ELEVATION KEYNOTES	ELEVATION GENERAL NOT
EL1 MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS	1. ALL DIMENSIONS TO FINISH FACE, U.N.O.
EL2 SIDING EL3 STUCCO	2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.
EL4 STONE VENEER EL5 HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND	3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.
PROPOSED GRADES EL6 DRYER VENT TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)	4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS
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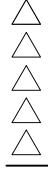
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project

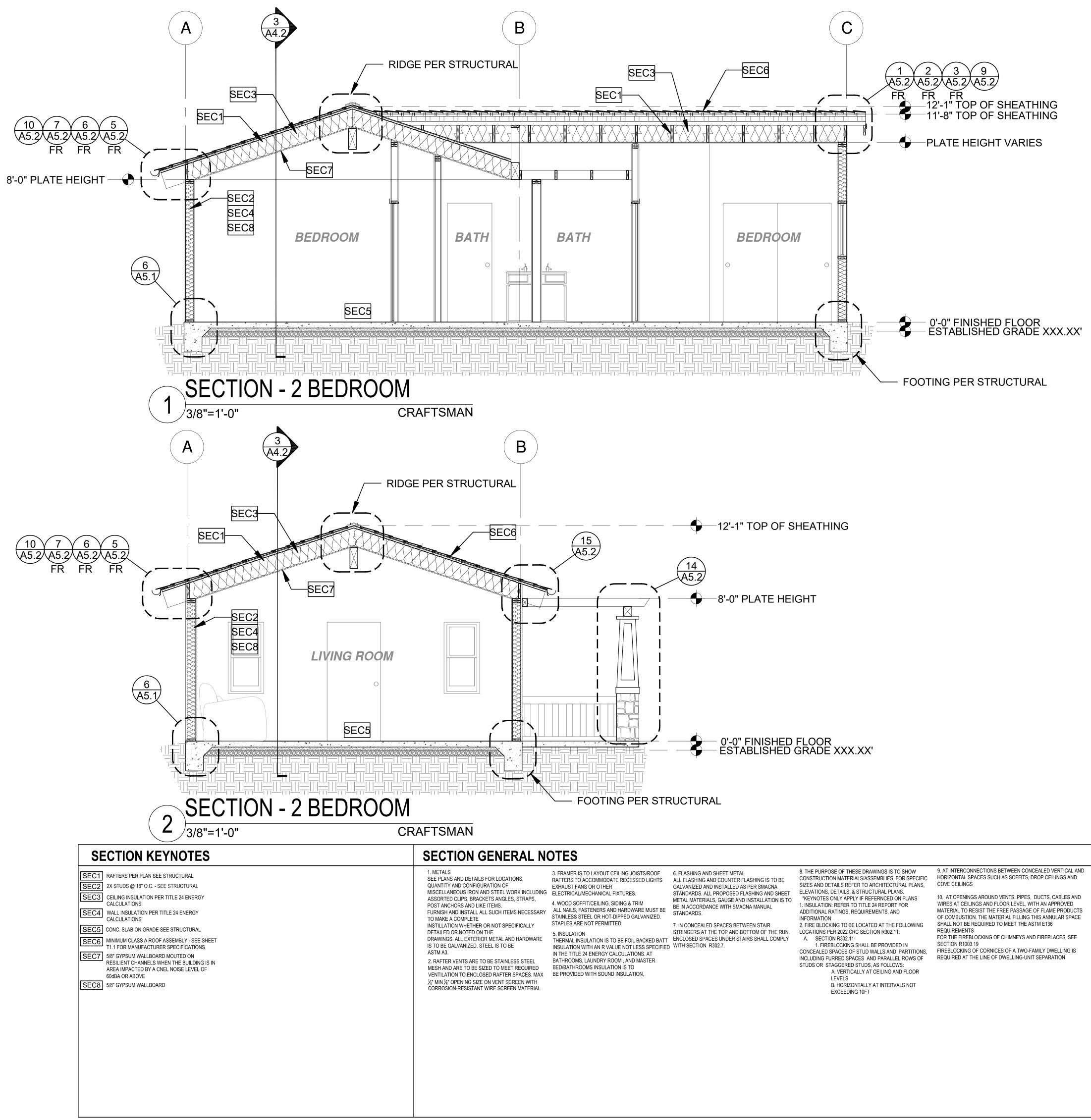
City of Riverside Pre-Approved ADU Program

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description Exterior Elevations Spanish

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	\3.3



CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL NUMBER

- BROKEN LAP JOINTS
- STRUCTURAL PANELS
- 5.ONE-HALF-INCH GYPSUM BOARD
- 6.ONE-FOURTH-INCH CEMENT-BASED MILLBOARD

SPECIFIC APPLICATION

FIRE RATED DETAILS NOTED WITH THE ABBREVIATION "FR" ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE (VHFSZ) OR WILDLAND URBAN INTERFACE(WUI) ZONE OR WHEN WALLS AND ROOF EAVES ARE LESS THAN 5FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3FT FROM PROPERTY LINE IN UNSPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 FT FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILDING OR LESS THAN 6 FT FROM THE MAIN DWELLING UNIT IN A SPRINKLERED BUILDING.

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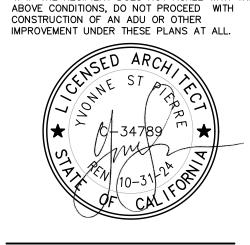
BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS

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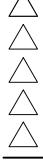
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project

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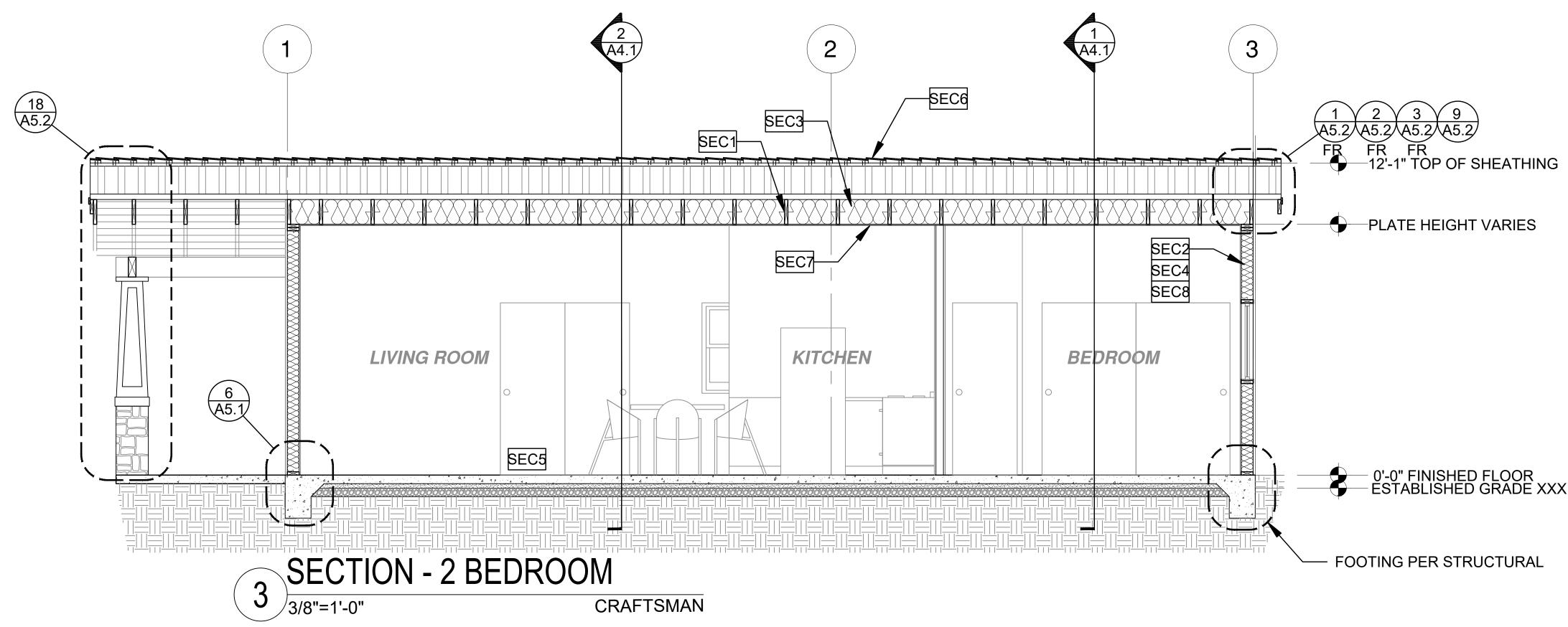
revisions



description Building Sections Craftsman

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	
<u> </u>	44 1

LEGEND 11. SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL SECTION CUT 2.TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH 3. THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL ELEVATION PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD CALLOUT 4.THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD DETAIL 7.BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER DRAWING REF. OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE ELEVATION 8.CELLULOSE INSULATION INSTALLED AS TESTED IN MARKER ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE



SECTION KEYNOTES	SECTION GENERAL NO	DTES
SEC1 RAFTERS PER PLAN SEE STRUCTURAL SEC2 2X STUDS @ 16" O.C SEE STRUCTURAL SEC3 CELING INSULATION PER TITLE 24 ENERGY CALCULATIONS SEC4 WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS SEC5 CONC. SLAB ON GRADE SEE STRUCTURAL SEC6 MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS SEC7 56" GYPSUM WALLBOARD MOUTED ON RESILENT CHANNELS WHEN THE BUILDING IS IN AREA IMPACTED BY A CNEL NOISE LEVEL OF 008A OR ABOVE SEC8 5/8" GYPSUM WALLBOARD	 METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTILLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX ¼" MIN %" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 	 FRAMEI RAFTERS EXHAUST ELECTRIC WOOD S ALL NAILS STAINLES STAPLES INSULATION IN THE TIT BATHROC BED/BATH BE PROVID

- MER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL ST FANS OR OTHER RICAL/MECHANICAL FIXTURES. DD SOFFIT/CEILING, SIDING & TRIM AILS, FASTENERS AND HARDWARE MUST BE ESS STEEL OR HOT-DIPPED GALVANIZED. ES ARE NOT PERMITTED
- JLATION ATION WITH AN R VALUE NOT LESS SPECIFIED WITH SECTION R302.7. TITLE 24 ENERGY CALCULATIONS. AT ROOMS, LAUNDRY ROOM , AND MASTER ATHROOMS INSULATION IS TO
- OVIDED WITH SOUND INSULATION,

IRS TO ACCOMMODATE RECESSED LIGHTS ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.

7. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. LOCATIONS PER 2022 CRC SECTION R302.11: WAL INSULATION IS TO BE FOIL BACKED BATT ENCLOSED SPACES UNDER STAIRS SHALL COMPLY

8. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, & STRUCTURAL PLANS. METAL MATERIALS, GAUGE AND INSTALLATION IS TO *KEYNOTES ONLY APPLY IF REFERNCED ON PLANS 1. INSULATION: REFER TO TITLE 24 REPORT FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION

2. FIRE BLOCKING TO BE LOCATED AT THE FOLLOWING A. SECTION R302.11-

1. FIREBLOCKING SHALL BE PROVIDED IN INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR

LEVELS B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT

9. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND COVE CEILINGS

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

SECTION R1003.19 CONCEALED SPACES OF STUD WALLS AND PARTITIONS, FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION

CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL NUMBER

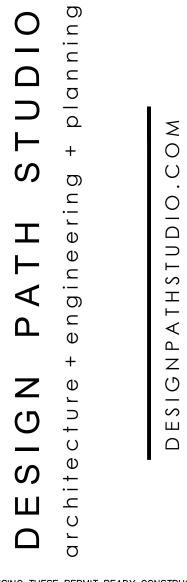
- BROKEN LAP JOINTS
- STRUCTURAL PANELS
- 5.ONE-HALF-INCH GYPSUM BOARD 6.ONE-FOURTH-INCH CEMENT-BASED MILLBOARD

- SPECIFIC APPLICATION

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0'-0" FINISHED FLOOR ESTABLISHED GRADE XXX.XX'

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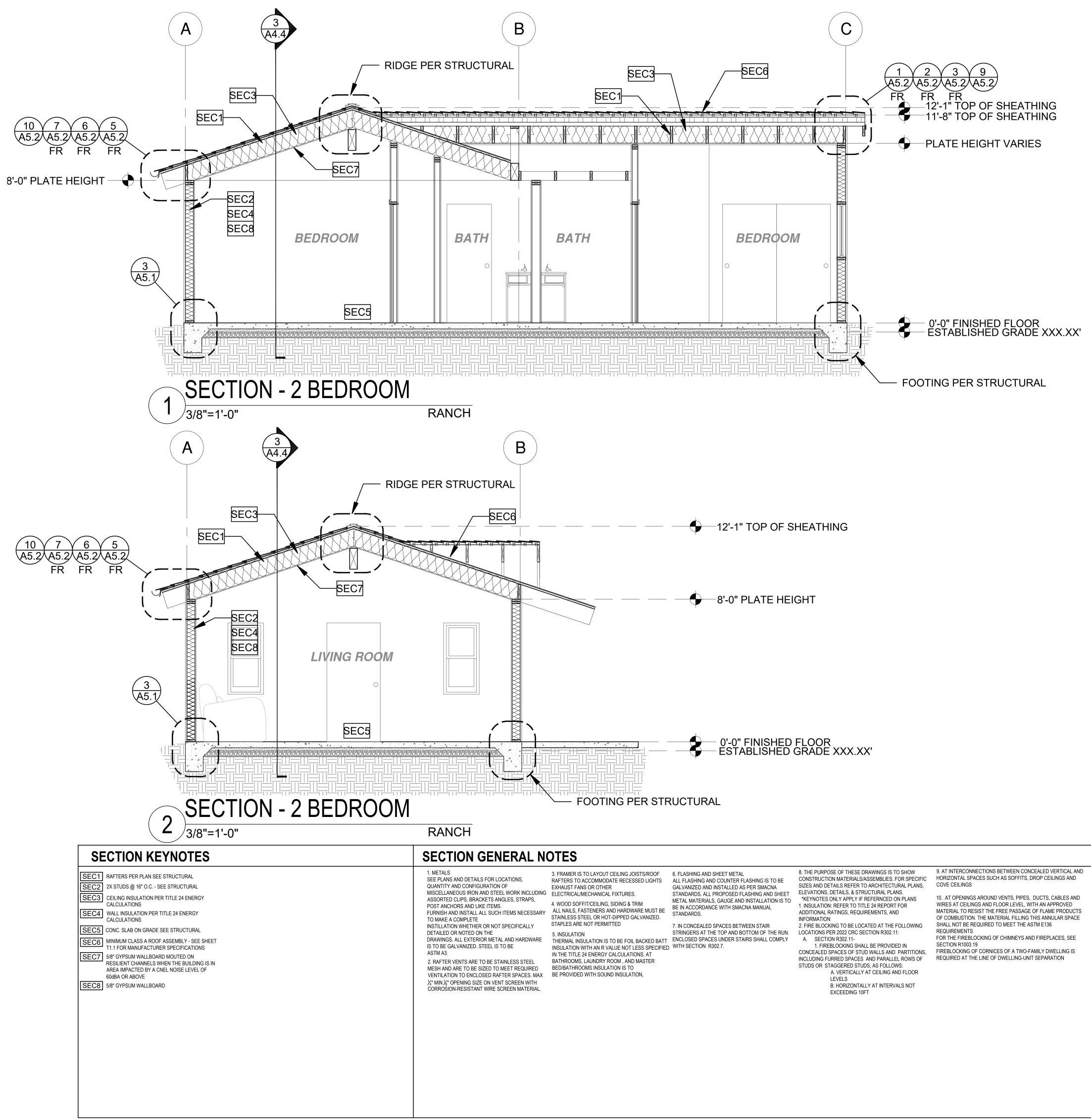
project

City of Riverside Pre-Approved ADU Program

revisions \bigtriangleup \angle \triangle

description Building Sections Craftsman

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	
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CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL NUMBER

- BROKEN LAP JOINTS
- STRUCTURAL PANELS
- JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5.ONE-HALF-INCH GYPSUM BOARD
- 6.ONE-FOURTH-INCH CEMENT-BASED MILLBOARD
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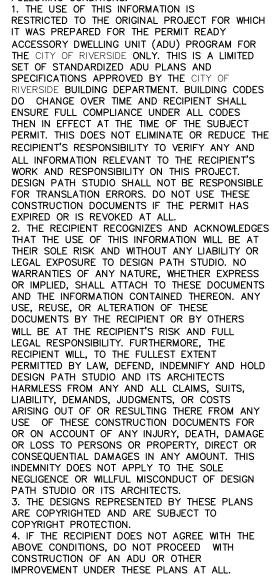
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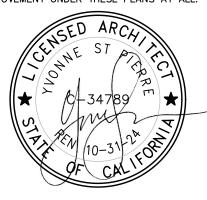
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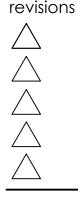
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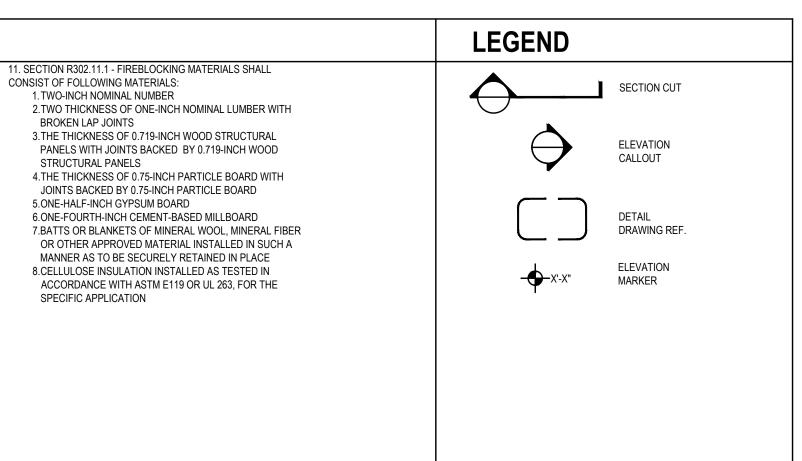
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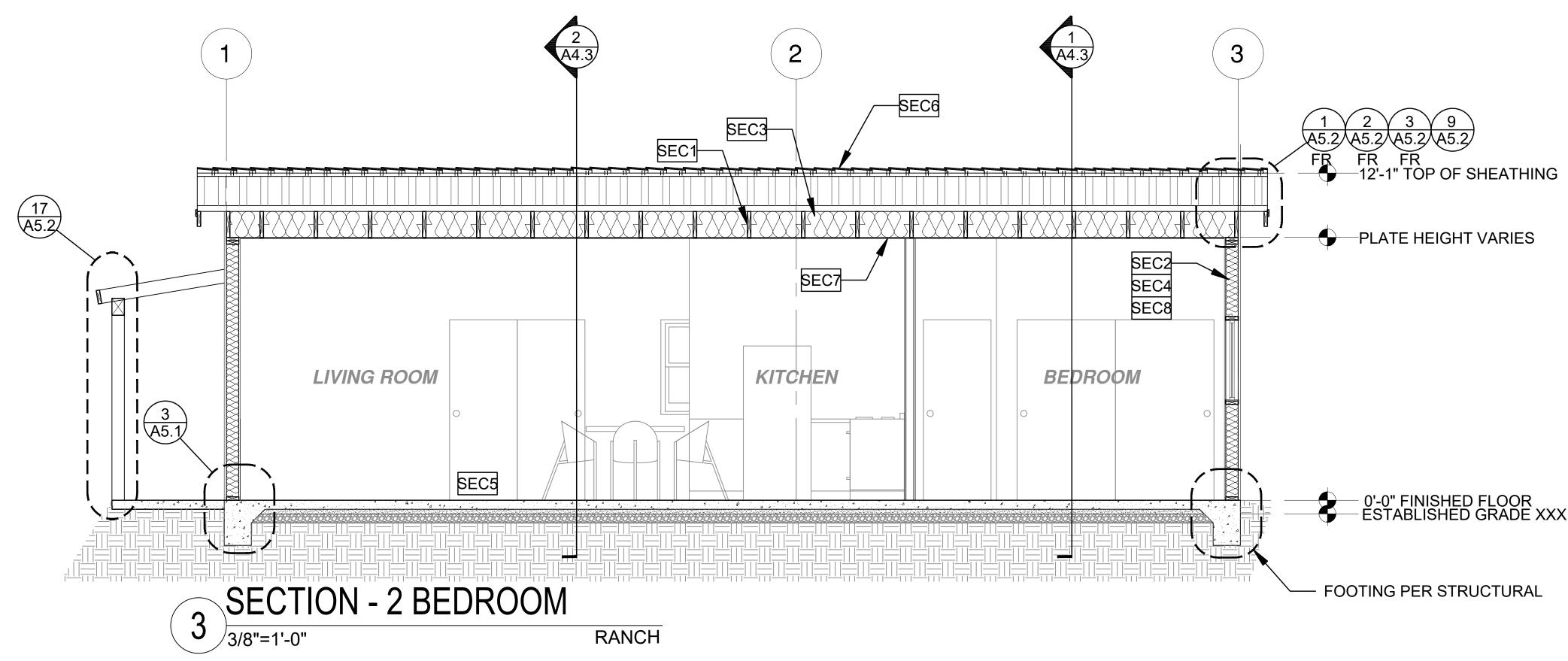
City of Riverside Pre-Approved ADU Program



description Building Sections Ranch

date	October 2023	
project no.	Riverside ADU	
drawn by	DESIGN PATH STUDIO	
sheet no. A4.3		





SECTION KEYNOTES	SECTION GENERAL NOTE
SEC1 RAFTERS PER PLAN SEE STRUCTURAL SEC2 2X STUDS @ 16" O.C SEE STRUCTURAL SEC3 CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS SEC4 WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS SEC5 CONC. SLAB ON GRADE SEE STRUCTURAL SEC6 MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS SEC7 5/8" GYPSUM WALLBOARD MOUTED ON RESILIENT CHANNELS WHEN THE BUILDING IS IN AREA IMPACTED BY A CNEL NOISE LEVEL OF 600BA OR ABOVE SEC8 5/8" GYPSUM WALLBOARD	1. METALS 3. FRAM SEE PLANS AND DETAILS FOR LOCATIONS, RAFTER QUANTITY AND CONFIGURATION OF EXHAUS MISCELLANEOUS IRON AND STEEL WORK INCLUDING ELECTR ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, 4. WOOD POST ANCHORS AND LIKE ITEMS. 4. WOOD FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY 4. WOOD TO MAKE A COMPLETE STAINLE INSTILLATION WHETHER OR NOT SPECIFICALLY STAPLES DETAILED OR NOTED ON THE 5. INSUL DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IN STALL IS TO BE GALVANIZED. STEEL IS TO BE IN SULAT ASTM A3. IN THE T 2. RAFTER VENTS ARE TO BE STAINLESS STEEL BATHRC MESH AND ARE TO BE SIZED TO MEET REQUIRED WED/BA' VENTILATION TO ENCLOSED RAFTER SPACES. MAX ½" MIN ½" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. SE PROF

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LEVELS B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT

9. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND COVE CEILINGS

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11. SECTION R302.11.1 - FIREBLO CONSIST OF FOLLOWING MATER 1. TWO-INCH NOMINAL NUME 2.TWO THICKNESS OF ONE-

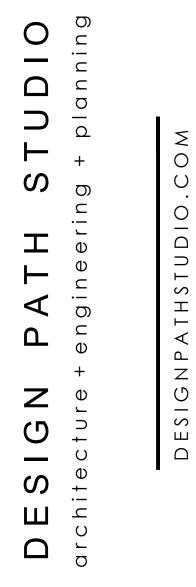
- BROKEN LAP JOINTS 3.THE THICKNESS OF 0.719
- PANELS WITH JOINTS BAG
- STRUCTURAL PANELS 4.THE THICKNESS OF 0.75-I
- JOINTS BACKED BY 0.75-5.ONE-HALF-INCH GYPSUM
- 6.ONE-FOURTH-INCH CEME 7.BATTS OR BLANKETS OF OR OTHER APPROVED M
- MANNER AS TO BE SECUR 8.CELLULOSE INSULATION
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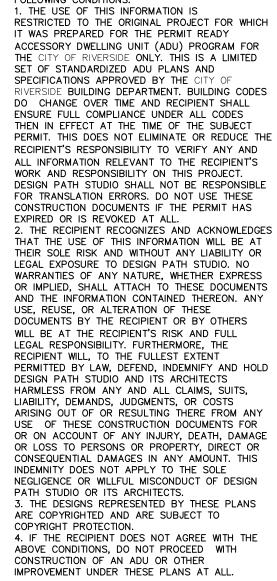


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	LEGEND
DCKING MATERIALS SHALL RIALS: /BER E-INCH NOMINAL LUMBER WITH	SECTION CUT
9-INCH WOOD STRUCTURAL CKED BY 0.719-INCH WOOD	ELEVATION CALLOUT
INCH PARTICLE BOARD WITH INCH PARTICLE BOARD 1 BOARD ENT-BASED MILLBOARD MINERAL WOOL, MINERAL FIBER ATERIAL INSTALLED IN SUCH A	DETAIL DRAWING REF.
RELY RETAINED IN PLACE INSTALLED AS TESTED IN M E119 OR UL 263, FOR THE	



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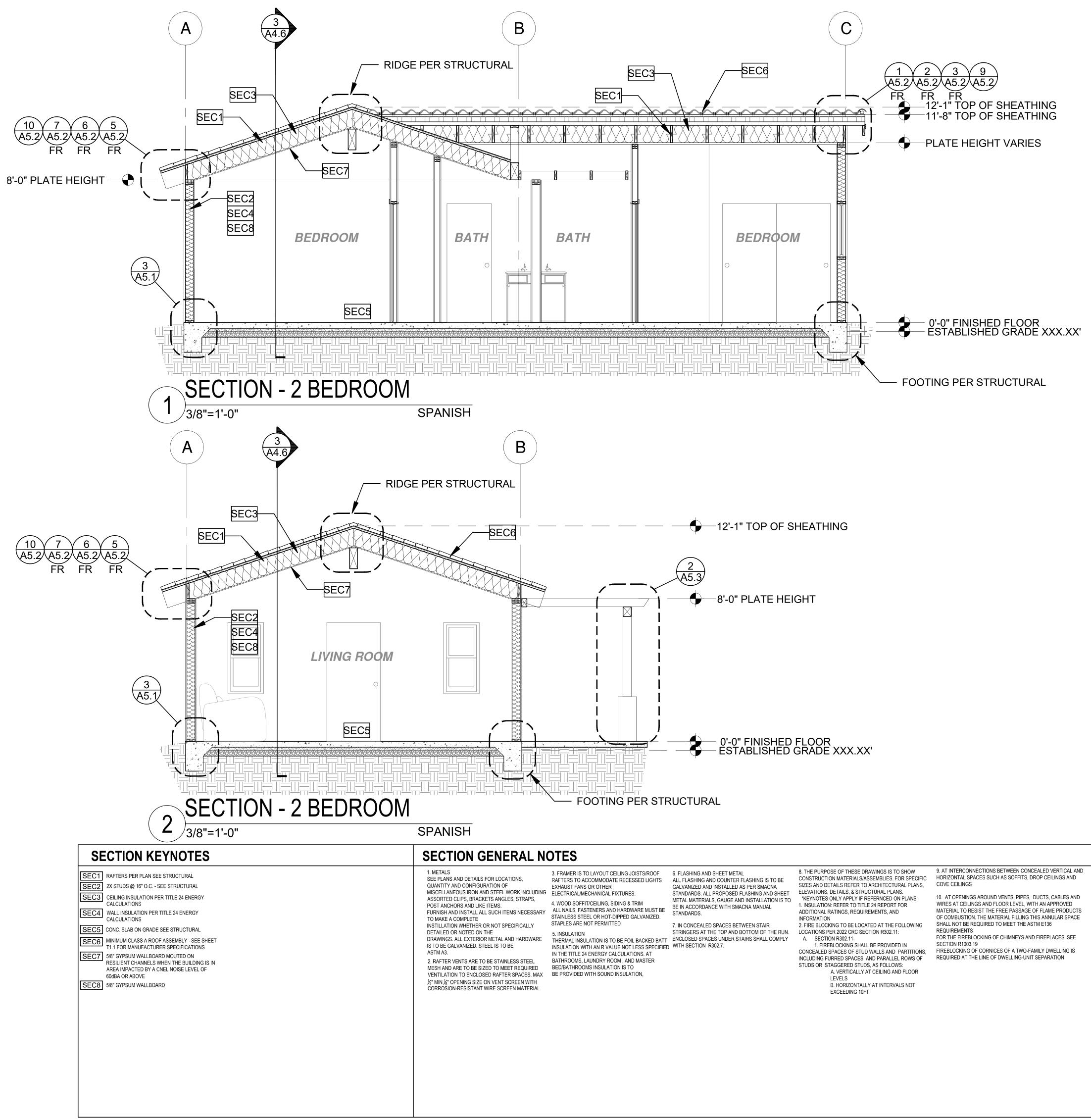
project

City of Riverside Pre-Approved ADU Program

revisions \bigtriangleup \triangle \square \square

description Building Sections Ranch

date	October 2023	
project no.	Riverside ADU	
drawn by	DESIGN PATH STUDIO	
sheet no. 🔥 🖌 🖌		



CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL NUMBER

- BROKEN LAP JOINTS
- STRUCTURAL PANELS
- 5.ONE-HALF-INCH GYPSUM BOARD 6.ONE-FOURTH-INCH CEMENT-BASED MILLBOARD

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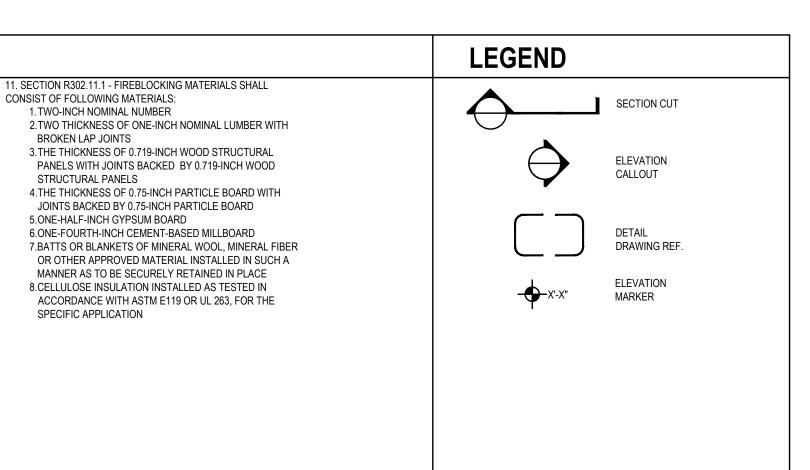
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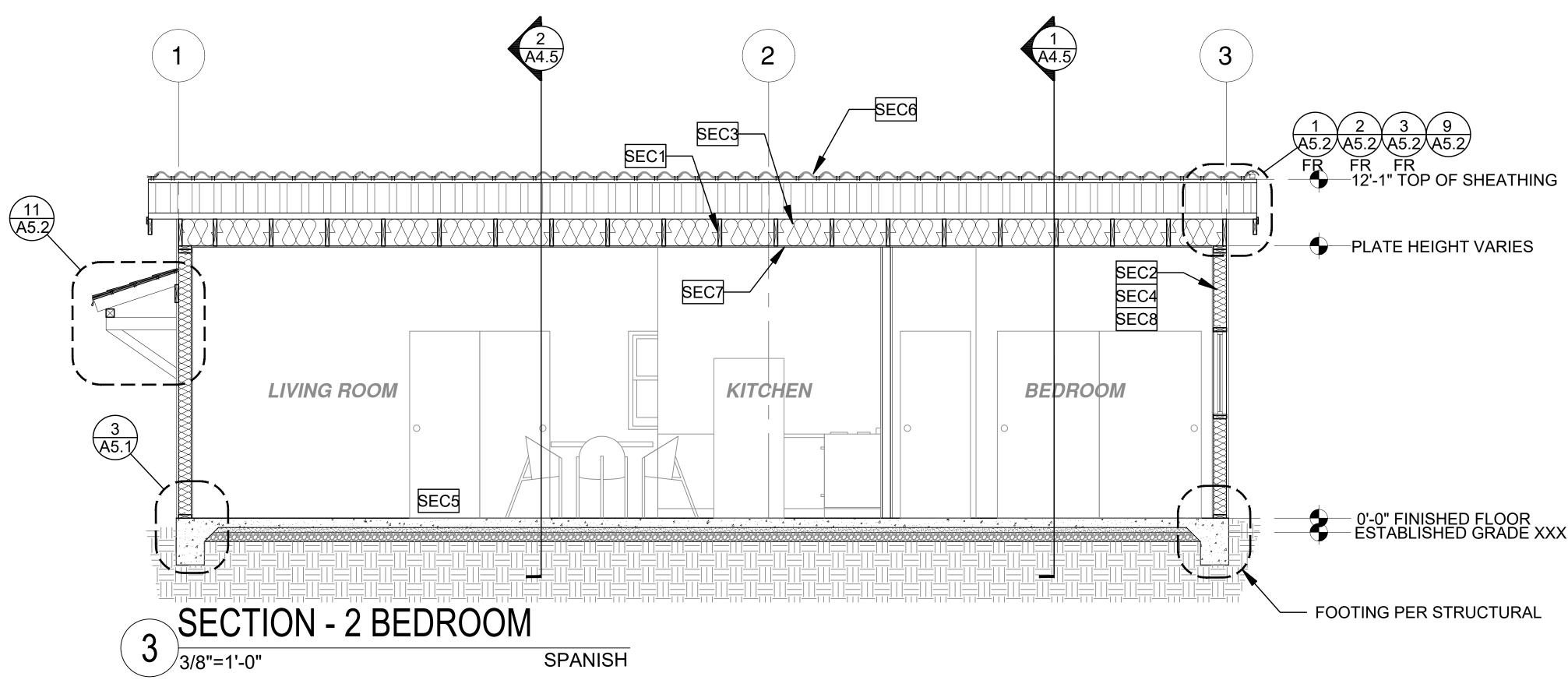
City of Riverside Pre-Approved ADU Program

revisions \square \square

description Building Sections Spanish

project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	4.5





SECTION KEYNOTES	SECTION GENERAL NO)TE
SEC1 RAFTERS PER PLAN SEE STRUCTURAL SEC2 2X STUDS @ 16" O.C SEE STRUCTURAL SEC3 CELING INSULATION PER TITLE 24 ENERGY CALCULATIONS SEC4 WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS SEC5 CONC. SLAB ON GRADE SEE STRUCTURAL SEC6 MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS SEC7 5/8" GYPSUM WALLBOARD MOUTED ON RESILIENT CHANNELS WHEN THE BUILDING IS IN AREA IMPACTED BY A CNEL NOISE LEVEL OF 60dBA OR ABOVE SEC7 SEC8 5/8" GYPSUM WALLBOARD	 1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTILLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3. 2. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX ¼" MIN ½" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 	3. FRAMI RAFTERS EXHAUS ELECTRI 4. WOOD ALL NAII STAINLES 5. INSUL THERMA INSULAT IN THE T BATHRO BED/BAT BE PROV

ES

SULATION

AUST FANS OR OTHER TRICAL/MECHANICAL FIXTURES. OOD SOFFIT/CEILING, SIDING & TRIM NAILS, FASTENERS AND HARDWARE MUST BE ILESS STEEL OR HOT-DIPPED GALVANIZED. PLES ARE NOT PERMITTED

ULATION WITH AN R VALUE NOT LESS SPECIFIED WITH SECTION R302.7. E TITLE 24 ENERGY CALCULATIONS. AT HROOMS, LAUNDRY ROOM , AND MASTER /BATHROOMS INSULATION IS TO ROVIDED WITH SOUND INSULATION,

RAMER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL TERS TO ACCOMMODATE RECESSED LIGHTS ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.

7. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. LOCATIONS PER 2022 CRC SECTION R302.11: RMAL INSULATION IS TO BE FOIL BACKED BATT ENCLOSED SPACES UNDER STAIRS SHALL COMPLY

8. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, & STRUCTURAL PLANS. METAL MATERIALS, GAUGE AND INSTALLATION IS TO *KEYNOTES ONLY APPLY IF REFERNCED ON PLANS 1. INSULATION: REFER TO TITLE 24 REPORT FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION

2. FIRE BLOCKING TO BE LOCATED AT THE FOLLOWING A. SECTION R302.11-

1. FIREBLOCKING SHALL BE PROVIDED IN INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR

LEVELS B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT

9. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND COVE CEILINGS

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

SECTION R1003.19 CONCEALED SPACES OF STUD WALLS AND PARTITIONS, FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION

11. SECTION R302.11.1 - FIREBLOO CONSIST OF FOLLOWING MATERIA 1. TWO-INCH NOMINAL NUMB

- 2.TWO THICKNESS OF ONE-BROKEN LAP JOINTS
- 3.THE THICKNESS OF 0.719-I PANELS WITH JOINTS BACH
- STRUCTURAL PANELS 4.THE THICKNESS OF 0.75-IN
- JOINTS BACKED BY 0.75-IN 5.ONE-HALF-INCH GYPSUM
- 6.ONE-FOURTH-INCH CEME 7.BATTS OR BLANKETS OF
- OR OTHER APPROVED MA MANNER AS TO BE SECURI
- 8.CELLULOSE INSULATION ACCORDANCE WITH AST

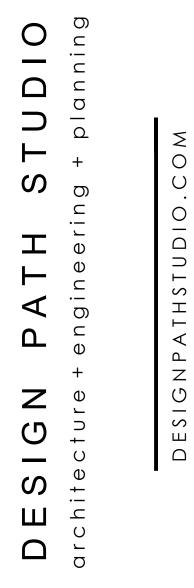
SPECIFIC APPLICATION

FIRE RATED DETAILS NOTED WITH THE ABBREVIATION "FR" ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE (VHFSZ) OR WILDLAND URBAN INTERFACE(WUI) ZONE OR WHEN WALLS AND ROOF EAVES ARE LESS THAN 5FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3FT FROM PROPERTY LINE IN UNSPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 FT FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILDING OR LESS THAN 6 FT FROM THE MAIN DWELLING UNIT IN A SPRINKLERED BUILDING.

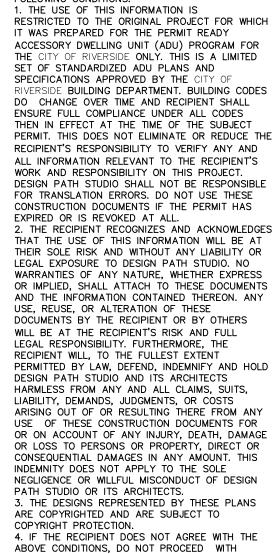


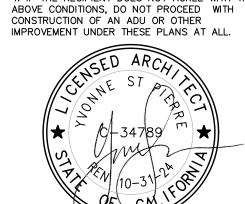
0'-0" FINISHED FLOOR ESTABLISHED GRADE XXX.XX'

	LEGEND
OCKING MATERIALS SHALL RIALS: BER -INCH NOMINAL LUMBER WITH	SECTION CUT
-INCH WOOD STRUCTURAL CKED BY 0.719-INCH WOOD	ELEVATION CALLOUT
NCH PARTICLE BOARD WITH NCH PARTICLE BOARD BOARD ENT-BASED MILLBOARD MINERAL WOOL, MINERAL FIBER ATERIAL INSTALLED IN SUCH A RELY RETAINED IN PLACE INSTALLED AS TESTED IN M E119 OR UL 263, FOR THE	DETAIL DRAWING REF. ••••••••••••••••••••••••••••••••••••



BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:

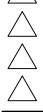




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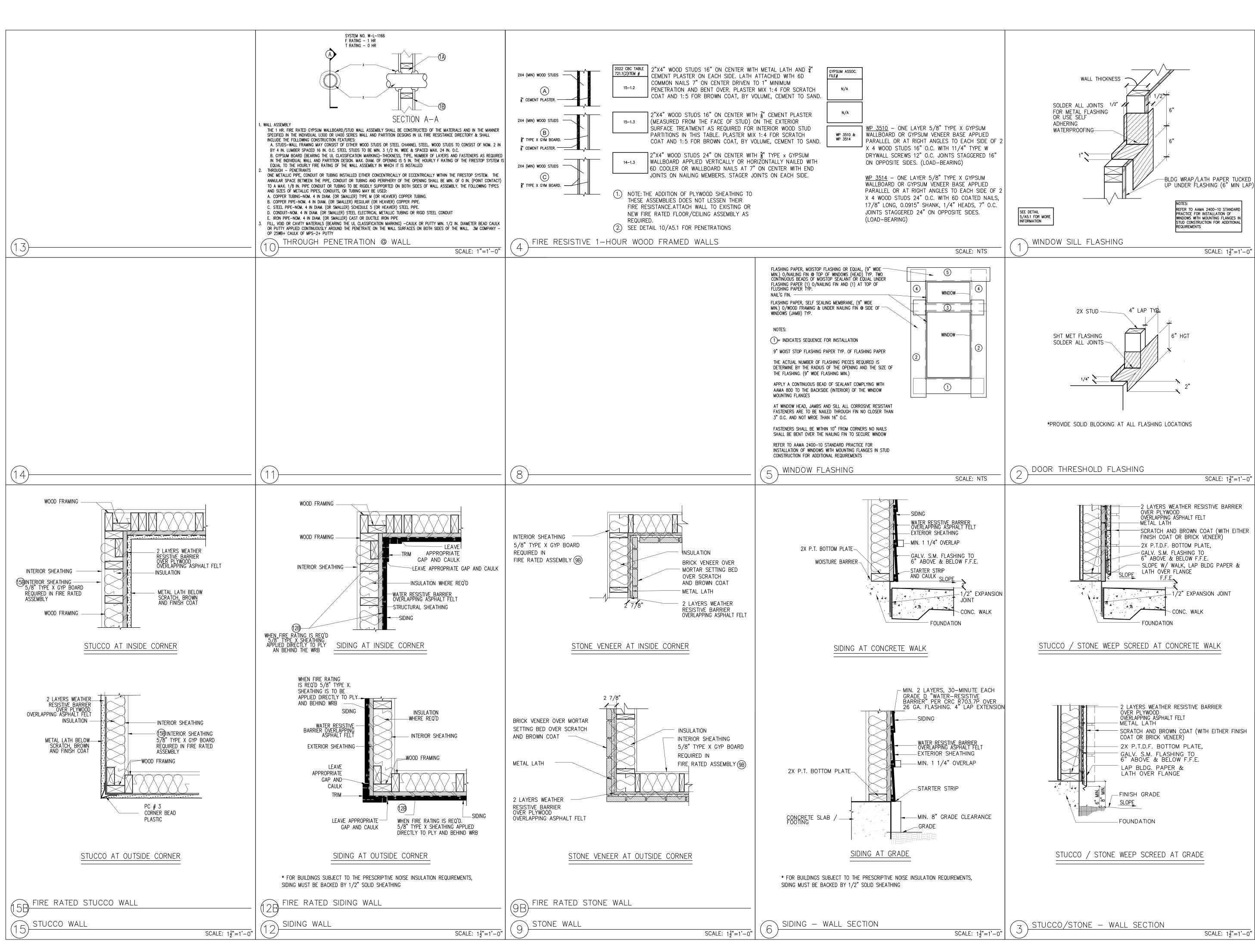
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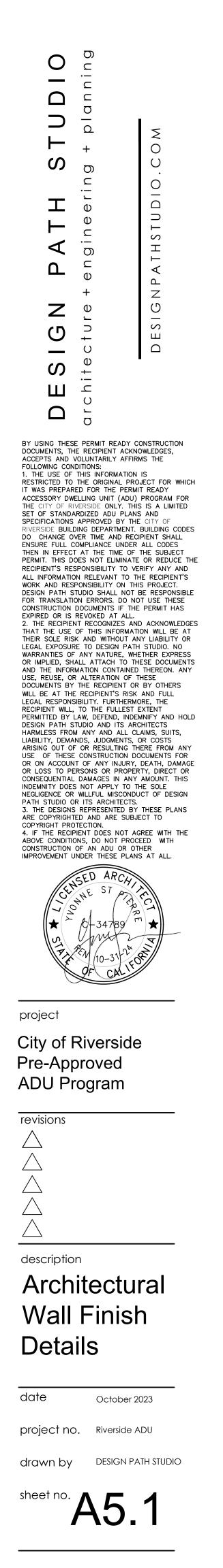
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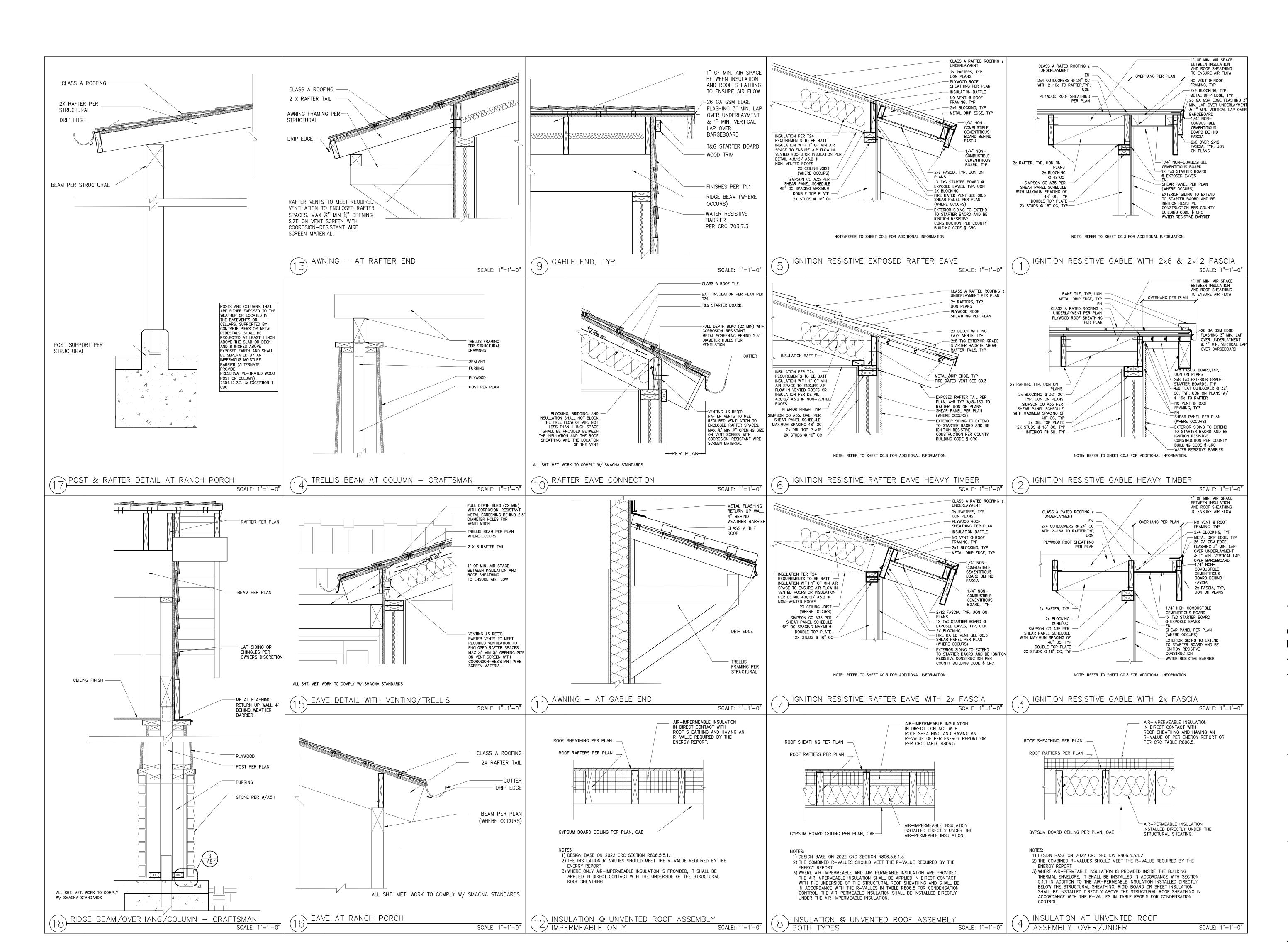


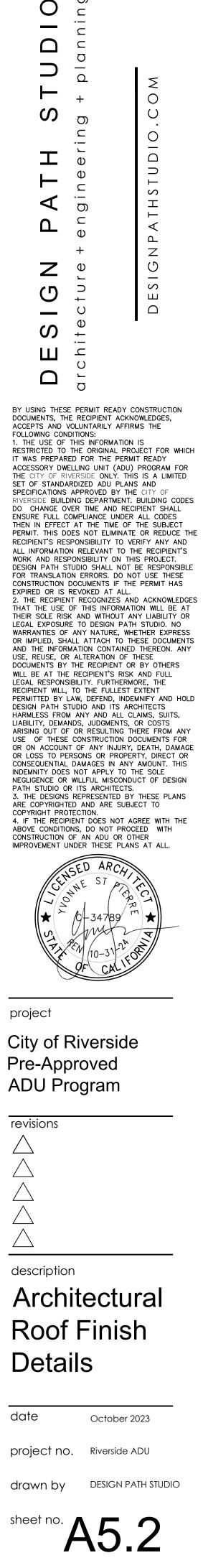
description Building Sections Spanish

sheet no.	4.6
drawn by	DESIGN PATH STUDIC
project no.	Riverside ADU
date	October 2023

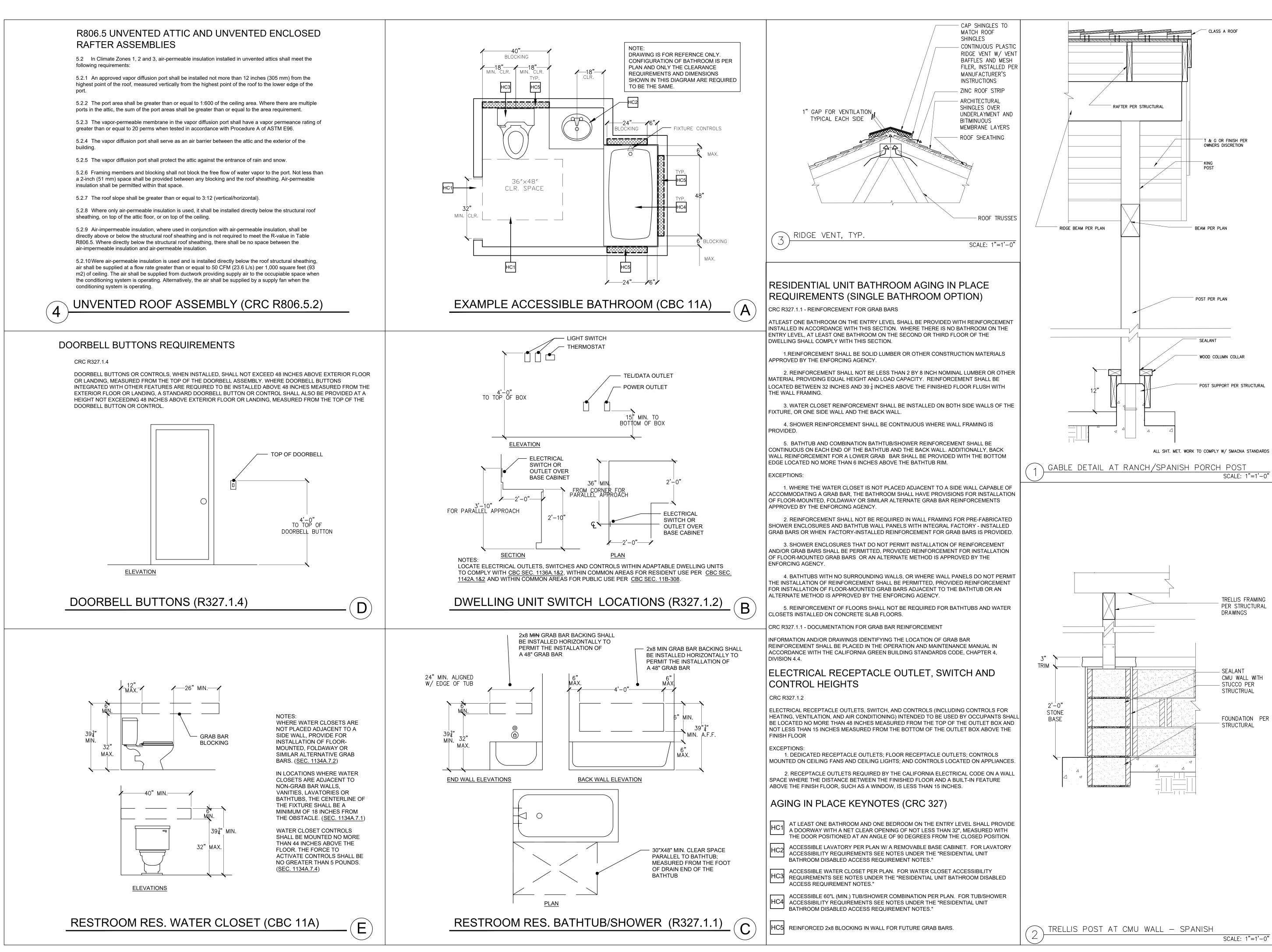








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2. CONCRETE FOUNDATION CONSTRUCTION	3. WOOD FRAMING CONSTRUCTION (CONT.)	3. WOOD FRAMING CONSTRUCTION (CONT.)	6. NAILING SCHEDULE, MINI
 200. THE FIELD INSPECTOR SHALL VERIFY FOUNDATION REQUIREMENTS DURING FOUNDATION INSPECTION. 201. CONCRETE STRENGTH SHALL BE NO LESS THAN 2,500 PSI @ 28 DAYS, OR HIGHER STRENGTH IF NOTED 	305. TYPICAL SHEAR TRANSFER: ROOF TO WALL: CONNECT ROOF FRAMING TO TOP PLATE W/ SIMPSON H1 @ 24" O/C OR A35 OR RBC @ 24" O/C OR PER SHEAR TRANSFER DETAILS.	321. WOOD TO WOOD CONNECTORS SHALL BE SIMPSON STRONG TIE OR USP STRUCTURAL CONNECTORS. ALL SPECIFIED CONNECTOR CALL-OUTS ARE SIMPSON CATALOG CALL-OUTS. USP SUBSTITUTIONS SHALL HAVE A CAPACITY EQUAL TO OR GREATER THAN THE SIMPSON	BLKNG AT CEILING JOISTS, RAFTERS, OR TRUSSES TO TO BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL
ON THE PLANS. 202. SLAB REINFORCEMENT & FOOTINGS SHALL BE PER STRUCTURAL DETAILS ON SHEET S4, CENTERED IN SLA	SILL PLATE ANCHORS:	CATALOG VALUES. ANY OTHER ICC APPROVED METAL CONNECTOR MAY BE USED UPON APPROVAL BY THE ENGINEER OR ARCHITECT.	FLAT BLKNG TO TRUSS AND WEB, F.N. CEILING JOISTS TO TOP PLATE, T.N.
	306. GROUND FLOOR / SLAB ON GRADE WALLS: PROVIDE 2X (MIN.) PTDF SILL PLATES.	322. ICC APPROVED CONNECTORS SHALL BE USED WHERE CONNECTORS ARE SPECIFIED. UNLESS OTHERWISE NOTED, THE FOLLOWING BEAM AND JOIST HANGERS SHALL BE USED:	CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, L CEILING JOISTS ATTACHED TO PARALLEL RAFTER (HEEL
 203. REINFORCING BARS TO BE GRADE 40 FOR #3 BARS, GRADE 60 FOR #4 BARS & LARGER 204. PROVIDE WEAKENED PLANE JOINTS FOR CRACK CONTROL (SAWCUT OR TOOLED JOINT) AT 14'-0" O/C MAX. 	SEE CONCRETE FOUNDATION CONSTRUCTION NOTES 206, 207 & 208 FOR ANCHOR BOLTS. AT INTERIOR NON-SHEAR CONDITIONS, 0.145 SHOT PIN ANCHORS @ 32" O/C MAY BE USED TO CONNECT PARTITIONS AND BEARING WALLS TO SLAB.	BEAM OR JOIST SIMPSON/USP HANGER I-JOIST FLOOR JOISTS IUS, IUT, OR ITT HANGERS 1.75 X LSL AND LVL HU, HUS, OR WPU	COLLAR TIE TO RAFTER, F.N. RAFTER/TRUSS TO TOP PLATE, T.N. PER TABLE 2308.7.3.5 RAFTERS TO RIDGE VALLEY OR HIP; OR FATER TO 2" RID
205. SILL ANCHORAGE AT ALL SHEARWALL LOCATIONS SHALL BE PER THE SHEARWALL SCHEDUL ALL SHEARWALL ANCHOR BOLTS SHALL RECEIVE A 3" SQUARE X 0.229" THICK WASHER. THE WASHER MAY BE DIAGONALLY SLOTTED (WIDTH >= BOLT DIAMETER + $\frac{3}{16}$ ", LENGTH<= $1\frac{3}{4}$ ") PROVIDED THAT A STANDARD CUT WASHER IS USED ON TOP OF THE SQUARE WASHER.	307. ALL WOOD SILL PLATES AND ALL WOOD MEMBERS DIRECTLY AGAINST CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE REDWOOD SILLS OR PTDF SILLS, TREATED WITH SODIUM BORATE (SBX/DOT) WHEN INSTALLED IN A DRY OR ENCLOSED ENVIRONMENT. (SODIUM BORATE TREATMENT DOES NOT REQUIRE CORROSION RESISTANT CONNECTORS.) IF OTHER TREATMENTS ARE USED, SEE NOTE 309.	2.69 X PSL AND LVL HU OR HWU 3.5 X PSL AND LVL HHUS OR HWU 5.25 X PSL AND LVL HHUS OR HWU 7 X PSL AND LVL HHUS OR HWU AT BEAM HANGER CALLOUTS, IE HGUS OR HU BEAMS, THE CALLOUT IS ABBREVIATED.	TOENAIL ENDNAIL STUD TO STUD (NOT AT BRACED WALL PANELS) STUD TO STUD AT INTERSECTING WALL CORNERS (BRAC BUILT-UP HEADER (2" TO 2"), FN EA. EDGE
 SHEARWALL ANCHORS SHALL BE PLACED A MIN. OF 1³/₄" FROM THE EDGE OF CONCRETE. 206. EMBEDDED SILL ANCHOR BOLTS AT TYPICAL NON-SHEARWALL CONDITIONS SHALL BE ⁵/₈ " DIA. MIN. ANCHOR BOLTS WITH A STANDARD CUT WASHER. SPACING SHALL NOT EXCEED 48 INCHES O/C. LOCATE AN ANCHOR BOLT NOT MORE THAN 9 INCHES, OR LESS THAN 4" FROM ENDS AND SPLICES. EACH SILL SHALL HAVE (2) SILL BOLTS MIN. 	 308. FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD: ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH ACQ-C, ACQ-D, CA-B, AND CBA-A WITHOUT AMMONIA SHALL BE GALVANIZED PER ASTM A153. ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH ACQ-C, ACQ-D, CA-B, AND CBA-A WITH AMMONIA SHALL BE TYPE 303, 304, 305. 	 THE HANGER WIDTH MAY BE OMITTED TO ALLOW FLEXIBILITY IN ORDERING. EXAMPLE: 2.69 PSL THE CALLOUT MAY READ HGUS12. AN HGUS2.75/12 OR HGUS412 (WITH FILLERS) ARE APPLICABLE. WHERE HANGERS OFFER (MIN) OR (MAX), NAIL TO APPLY (MAX) LOADS. 323. WHERE SHEARWALL LENGTHS ARE SPECIFIED ON THE PLANS, THE LENGTH SHOWN IS A MINIMUM DIMENSION. THE SHEARWALL MAY BE LENGTHENED FOR CONSTRUCTION PURPOSES, BUT SHALL NOT BE REDUCED UNLESS OTHERWISE NOTED. ALL ENGINEERED WOOD PANEL SHEAR (PLYWOOD OR OSB) SHALL BE BLOCKED. 	CONT. HEADER TO STUD, T.N. TOP PLATE TO TOP PLATE TOP PLATE TO TOP PLATE, AT END JOINTS (EACH SIDE O 24" MIN LAP SPLICE EA. SIDE BOTTOM PLATE TO JOIST, RIM, OR BLKG, FACENAIL UNBRACED WALL: 16" o.c. FN UNBRACED WALL: 12" o.c. FN
207. ANCHOR BOLTS SHALL BE EMBEDDED A MIN. OF 7 INCHES INTO CONCRETE. IN A TWO-POUR SYSTEM, ANCHOR BOLTS TO BE EMBEDDED 5 INCHES MIN. INTO FIRST POUR.	OR 316 STAINLESS STEEL.	324. THE FOLLOWING HOLES IN SHEARWALLS ARE ALLOWED: A) APPROXIMATELY SQUARE HOLES NOTCHED, PUNCHED, OR CUT THAT ARE LESS THAN	BRACED WALL: 16"o.c. FN STUD TO TOP OR BOTTOM PLATE TOENAIL
208. SEE WOOD FRAMING CONSTRUCTION NOTES FOR ALTERNATE SILL ANCHORAGE.	WHERE PRESSURE TREATED LUMBER IS INSTALLED IN AN EXTERIOR WET ENVIRONMENT, ALL NAILS AND FASTENERS IN CONTACT WITH THE PRESSURE TREATED LUMBER SHALL BE TYPE 303, 304, 305, OR 316 STAINLESS STEEL.	25 SQ. INCHES B) APPROXIMATELY SQUARE HOLES CLEAN CUT OR BORED IN SHEARWALLS THAT ARE LESS THAN 64 SQ. INCHES (ONE HOLE PER 4' OF SHEARWALL.)	ENDNAIL TOP PLATES, LAPS AT CORNERS AND INTERSECTION, F.1
209. ALL HOLDOWNS SHALL BE PLACED A MINIMUM DIM AS SHOWN IN DETAIL 3&4/S4 FROM EXTERIOR CORNER OF SLAB.	309. RE-TIGHTEN ALL HOLDOWN ANCHORS JUST PRIOR TO COVERING THE WALL FRAMING.	C) APPROXIMATELY SQUARE HOLES, LESS THAN 64 SQ. INCHES (ONE HOLE PER 8' OF SHEARWALL) WITH ALL EDGES BLOCKED & EDGE NAILED.	1" BRACE TO EACH STUD AND PLATE, F.N. 1"x6" SHEATHING TO EACH BEARING, F.N.
210. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY HOMEOWNER AND CITY OF RIVERSIDE OF ANY DISCREPANCY, TYPICAL.	310. ENGINEERED BEAMS ARE AS FOLLOWS: "PSL" REFERS TO PARALLEL STRAND LUMBER (E=2.0, FB=2900).	 D) HOLES INDIVIDUALLY APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD. 325. STUDS SHALL BE SPACED @ 16" O/C MAX. UNLESS OTHERWISE SPECIFIED. USE STUD GRADE EXCEPT AT PLATE HEIGHTS HIGHER THAN 10'-0". THEN USE DF#2 OR BETTER 	1"x8" SHEATHING AND WIDER TO EACH BEARING, F.N. JOIST TO SILL, TOP PLATE, OR GIRDER, T.N. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SI
211. PROVIDE A UFER GROUND FOR ELECTRICAL SYSTEM PER ARTICLE 250.52 N.E.C.	"LSL" REFERS TO LAMINATED STRAND LUMBER (E=1.55, FB=2325). (E=1.3 & FB=1700 AT LSL CONDITIONS WITH D (DEPTH) < 9") "LVL" REFERS TO LAMINATED VENEER LUMBER (E=2.0, FB=2800).	326. ALL FINISHES, WATERPROOFING, DRAINAGE, AND FIRE-RELATED ELEMENTS ARE BY THE ARCHITECT OF RECORD AND ARE REQUIRED EVEN THOUGH THEY MAY NOT BE SHOWN	1"x6" SUBFLOOR OR LESS TO EACH JOIST, F.N. 2" SUBFLOOR TO JOIST OR GIRDER, F.N. or BLIND 2" PLANKS (PLANK & BEAM - FLOOR & ROOF), FACENAIL &
212. ALL SURROUNDING FLAT WORK SHALL BE VERIFIED WITH HOMEOWNER FOR LOCATION AND AMOUNT TO BE POURED.	"GLB" REFERS TO 24F-1.8E GLU-LAM WITH STANDARD CAMBER, U.N.O. "IJC" ENGINEERED GLU-LAM BEAM MAY BE USED UPON ENGINEER APPROVALS.	ON THE STRUCTURAL PLANS AND DETAILS. 327. REDWOOD OR PRESSURE-TREATED LUMBER IS TO BE USED AT STRUCTURAL MEMBERS	BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS 32" o.c. FN Top & BTTM STAGGERED ON OPPOSI
213. RETROFIT MISPLACED HOLDOWNS AS NOTED BELOW. AT EPOXY ANCHORS USE SIMPSON SET-XP EPOXY PER MANUFACTURERS INSTALLATION REQUIREMENTS AS FOLLOWS: MISPLACED HOLDOWN RETROFIT BOLT REPLACEMENT HARDWARE	AN A.I.T.C CERTIFICATE OF COMPLIANCE ISSUED BY A CURRENT ICC APPROVED QUALITY CONTROL AGENCY FOR GLUED LAMINATED WOOD MEMBERS SHALL BE GIVEN TO THE BUILDING INSPECTOR PRIOR TO INSTALLATION.	FOR BUILDING, BALCONIES, PORCHES OR SIMILAR APPURTENANCES WHEN EXPOSED TO THE WEATHER WITHOUT ADEQUATE PROTECTION OF A ROOF, EAVE, OVERHANG, OR OTHER COVERING TO PREVENT MOISTURE OR WATER ACCUMULATION.	24" o.c. FN Top & BTTM ENDS & SPLICES, FN LEDGER SUPPORTING JOISTS/RAFTERS
LSTHD8, HTT4 5/8 " ALL-THREAD, EMBED 9" HTT4 STHD10, STHD14, HTT5 5/8 " ALL-THREAD, EMBED 9" HTT5 LTT20B 5/8 " ALL-THREAD, EMBED 7" LTT20B LTT20B 5/8 " ALL-THREAD, EMBED 7" LTT20B	311. LUMBER SPECIFICATIONS: ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH. STUDS, PLATES & BLOCKING: 2X4 FRAMING LUMBER NOT LISTED BELOW 92-1/4", 104-1/4", & 116-1/4" 2X4 STUDS STUD GRADE OR BETTER	4. ICC-ES AND NER APPROVALS 400. PLYWOOD AND OSB PANELS: APA PLYWOOD & OSBESR-2586 FULL REPORTS FOUND AT HTTP://WWW.ICC-ES.ORG	JOIST TO BAND OR RIM JOIST, END NAIL BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS E. WOOD STRUCT. PANELS, SUBFLOOR, ROOF AND INTERIC PARTICLEBOARD WALL SHEATHING TO FRAMING
ATTACH TO EXISTING A.B. HDU8 $\frac{7}{8}$ " ALL-THREAD, EMBED 15" 214. RETROFIT $\frac{3}{4}$ " & $\frac{5}{8}$ " EMBEDDED ANCHOR BOLTS AS NOTED BELOW. AT EPOXY	2X4 STUDS OVER 10'#2 OR BETTER2X4 SILLS & PLATESSTANDARD OR BETTER2X6 STUDS, SILLS, & PLATES#2 OR BETTER4X4 STUDS & POSTSSTANDARD OR BETTER OR #14X6 6X6 & LADOED STUDS & DOSTS#2 OR BETTER OR #1	401. JOISTS AND RAFTERS AND BEAMS: TRUS-JOIST TJI JOISTS AND PSL, LSL, & LVLICC-ES ESR-1387, 1153, BOISE CASCADE BCI JOISTS, VERSA-LAM, & VERSA-STRANDICC-ESR-1040, 1336 LOUISIANA PACIFIC JOISTS & BEAMSESR-1305, 2403	$\frac{3}{8}$ "- $\frac{1}{2}$ "16d Com or deformed; or $2\frac{3}{8}$ "x.113" nail (subfloor a 8d Com or deformed (roof) or $2\frac{3}{8}$ " x.113" nail (roof) $1\frac{3}{4}$ " 16 Ga Staple, $\frac{7}{16}$ " crown (subfloor and wall) $2\frac{3}{8}$ " x.113"x.266" head nail (roof)
ANCHORS USE SIMPSON SET-XP EPOXY PER SIMPSON'S INSTALLATION REQUIREMENTS. LOCATION TYPE REPLACEMENT SLAB EDGE, 1 3/4" DIST. SHEARWALL $\frac{5}{8}$ " ALL-THREAD, EPOXY, EMBED 3"	4X6, 6X6, & LARGER STUDS & POSTS#1 OR BETTER4X4, 4X6 BEAMS & HEADERS#2 OR BETTER4X8, 4X10, 4X12, 4X14 BEAMS & HEADERS#1 OR BETTER6X4 BEAMS & HEADERS#2 OR BETTER6X4 BEAMS & HEADERS#2 OR BETTER	ROSEBURG JOISTS & BEAMSESR-1210, 1251 GLU-LAM BEAMS ESR-1940 PACIFIC WOOD TECH - ESR 2909	$1\frac{3}{4}$ " 16 Ga Staple, $\frac{7}{16}$ " crown (roof)8d Com or deformed (subfloor and wall) $\frac{19}{32}$ " $\frac{3}{4}$ "8d Com or deformed (roof) or $2\frac{3}{8}$ " x.113" nail (roof) $2\frac{3}{8}$ " x.113"x.266" head nail, 2"16 Gage staple, $\frac{7}{16}$ " of
OR § " TITEN HD, EMBED 3" MIN. INTERIOR > 6," EDGE DIST. SHEARWALL OR	6X6 & LARGER BEAM & HEADERS #1 OR BETTER 2X10 AND LARGER RAFTERS AND JOISTS #1 OR BETTER	402. WOOD CONNECTORS: SIMPSON CONNECTORSICC-ES ESR #S 1161, 1622, 1866, 2105, 2203, 2236, 2320, 2549, 2551, 2552, 2553, 2330, 2554, 2555, 2604, 2605, 2606, 2607, 2608,	$\frac{7}{8}$ "-1 ¹ / ₄ " 10d Com or (3"x0.148"); or deformed (2 ¹ / ₂ x.131"x.2
NON-SHEAR 8 ITTEN HD, EMBED 3 MIN. ANY OTHER NON-SHEAR 0.145 DIA. SHOT PINS SPACED 4 INCHES APART ON SILL. (2) FOR EACH MISSING ANCHOR BOLT. MAX. OF (6) SHOT PINS EVERY 6 FT. EVERY 6 FT.	312. HOLES, CUTOUTS, AND NOTCHES IN FRAMING MEMBERS: BY VIRTUE OF CODE COMPLIANCE WITH ELECTRICAL AND PLUMBING CODES, HOLES AND NOTCHES WILL INEVITABLY BE MADE IN FRAMING MEMBERS. THE CODE RECOGNIZES AND APPROVES VARIOUS HOLES AND NOTCHES WITHOUT ENGINEERING JUSTIFICATION IN CBC SECTION 2308.8.2. ENGINEERED (PSL, LSL) RECTANGULAR	2611, 2613, 2614, 2615, 2616, 2877, 2920, 3046 IAPMO ER-112, 130, 143, 192, 262 USP LUMBER CONNECTORSICC-ES ESR #S 1178, 1280, 1575, 1702, 1781, 1881, 1970, 2104, 2685, 1831, 1465, 2761, 2787, IAPMO ER-200 QUICK DRIVE WOOD SCREWSICC-ES ESR-1472	OTHER EXTERIOR WALL SHEATHING (FIBERBOARD) $\frac{1}{2}$ " $1\frac{1}{2}$ " x0.120", galvanized roofing nail ($\frac{7}{16}$ " head dia) of $\frac{25}{32}$ " $1\frac{3}{4}$ " x0.120", galvanized roofing nail ($\frac{7}{16}$ " head dia) of
 WHEN REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, HAVE CONTRACTOR DOCUMENTATION IN WRITING FOR THE FOLLOWING: A) THE PAD WAS PREPARED IN ACCORDANCE WITH THE SITE REQUIREMENTS AND CITY OF 	LUMBER BEAMS BEHAVE LIKE ANY OTHER RECTANGULAR SHAPE WHEN NOTCHED OR BORED, SO THE ENGINEER OR ARCHITECT MAY SPECIFY LIMITS WITHOUT MANUFACTURER APPROVAL OTHER HOLES AND NOTCHES ARE ALLOWED AS NOTED BELOW:	403. ADHESIVES & ANCHORS: SIMPSON EPOXY-TIE HIGH STRENGTH EPOXY (SET-XP)ICC-ES ESR-1772, 2508. SIMPSON WEDGE-ALL (WA) WEDGE ANCHORSICC-ES ES-1771	WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR $\frac{3}{4}$ " & LESS8d COMMON (2 $\frac{1}{2}$ "x0.131"); or deformed (2"x0.113) $\frac{7}{8}$ "-1"8d COMMON (2 $\frac{1}{2}$ "x0.131"); or deformed (2"x0.113)
RIVERSIDE APPROVAL. B) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED & COMPACTED. C) THE FOUNDATION EXCAVATIONS, EXPANSIVE CHARACTERISTICS AND BEARING CAPACITY COMPLIES WITH THE CITY OF RIVERSIDE RECOMMENDATIONS .	PSL AND LVL BEAMS: A HOLE 1 INCH IN DIAMETER CAN BE DRILLED ANYWHERE, AND A 2 INCH DIA. HOLE CAN BE DRILLED IN THE MIDDLE THIRD OF THE SPAN IN THE MIDDLE THIRD OF THE DEPTH OF THE BEAM FOR ANY PSL OR LVL BEAM, EXCEPT CANTILEVERED BEAMS AND BEAMS SUPPORTING CONCENTRATED LOADS.	SIMPSON TITEN HDICC-ESR-1056, 2713 SIMPSON SHOT PINS ICC-ES ESR-2138 HILTI X-DN, X-ZF, X-CF SHOT PINSICC-ES ER-1663, 1752, 2269 5. NAILING & FASTENING	$1\frac{1}{8}$ "- $1\frac{1}{4}$ "10d COMMON (3"x0.148"); or deformed ($2\frac{1}{2}$ "x0.13PANEL SIDING TO FRAMING $\frac{1}{2}$ " & LESS6d corrosion-resistant siding ($1\frac{7}{8}$ "x.106"); or 6d corrosion-resistant siding ($2\frac{3}{8}$ "x0.128"); or 8d corrosion-resistant siding ($2\frac{3}{8}$ "x0.128"); or 8d corrosion-resistant siding ($2\frac{3}{8}$ "x0.128"); or 8d corrosion-resistant siding ($1\frac{7}{8}$ "x0.128"); or 8d corrosion-resistant siding ($2\frac{3}{8}$ "x0.128"); or 8d corrosion-resistant siding ($1\frac{7}{8}$ "x0.
216. ALL HOLDOWN ANCHORS & HARDWARE MUST BE TIED IN PLACE PRIOR TO CALLING FOR A FOUNDATION INSPECTION.	HOLES IN THOSE CONDITIONS REQUIRE APPROVAL IN WRITING FROM THE ENGINEER. PSL AND LVL BEAMS: A RAKE CUT (TAPER) AT THE TOP OF THE BEAM AT THE	500. 16D NAILS AS SHOWN ON THE DETAILS MAY BE COMMON, BOX, OR SINKER NAILS (0.135" MIN. DIA)	INTERIOR PANELING $\frac{1}{4}$ " 4d casing (1 ¹ / ₂ "x0.080"); or 4d finish (1 ¹ / ₂ "x0.072")
3. WOOD FRAMING CONSTRUCTION 300. ROOFING MATERIALS SHALL BE PER ARCHITECTURAL DRAWINGS.	END OF THE SUPPORT IS ALLOWED IF NOTED ON PLANS, TO A MINIMUM OF 4-3/8" AT INSIDE FACE OF SUPPORT. RAKE CUT (TAPER) THAT DESUGATION ADDITION OF A DEPTH AT THE INSIDE FACE OF THE SUPPORT OF 2/2005 THE	501. AS AN ALTERNATE TO THE COMMON AND BOX NAILS SPECIFIED IN THE STRUCTURAL PLANS, THE FOLLOWING "CUTLER" GUN NAILS (OR EQUAL) ARE ACCEPTABLE ALTERNATIVES.	$\frac{3}{8}$ 6d casing (2"x0.099"); or 6d finish (2"x.092") - (Pa
301. ROOF SHEATHING SHALL BE $\frac{19}{32}$ " OR $\frac{5}{8}$ " C-D GRADE, INTERIOR TYPE PLYWOOD WITH EXTERIOR GLUE, OR OSB PANELS. IDENTIFICATION INDEX (24/0) W/ 10D	RESULTS IN A DEPTH AT THE INSIDE FACE OF THE SUPPORT OF 2/3RDS THE BEAM DEPTH IS ALLOWED AT CONDITIONS NOT SPECIFIED. OTHER TAPERED ENDS AND SQUARE NOTCHES IN TOP OR BOTTOM FACE REQUIRE APPROVAL IN WRITING FROM THE ENGINEER OR ARCHITECT.	502. ALTERNATE NAILING FOR ROOF SHEATHING: 8D 2 $\frac{1}{2}$ " X 0.135 WIRE BARBED NAILS BY CUTLER OR EQUAL.	7. DESIGN CRITERIA 700. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE A RESIDENTIAL CODE.
COMMON NAILS @ 6" O/C @ ALL PERIMETER EDGES AND ALL INTERIOR SUPPORTED EDGES AND @ 12" O/C @ ALL INTERMEDIATE SUPPORTS. SEE DETAILS FOR SHEAR AND DRAG NAILING.	STUDS AND PLATES: SEE STRUCTURAL DETAILS 14 & 15 ON SHEET S4 FOR NOTCHING AND BORING.	503. ALTERNATE NAILING FOR FLOOR SHEATHING: #8 X 2" SELF SETTING WOOD SCREWS, OR 8D 2 $\frac{1}{2}$ " X 0.135 OR 0.148 SCREW SHANK FLOOR NAILS BY CUTLER OR EQUAL	701. SEISMIC DESIGN CRITERIA: SOIL BEARING VALUE SITE CLASS
302. TYPICAL WALL SHEATHING: INTERIOR SURFACES: WHERE DRYWALL IS SPECIFIED, PROVIDE MIN. 5" GYPSUM WALLBOARD W/ 5D COOLER NAILS OR EQUAL @ 6" O/C TO ALL STUDS AND TO TOP & BOTTOM PLATES (UNBLOCKED) AT INTERIOR SIDE OF EXTERIOR WALLS AND AT BOTH	313. PROVIDE 2X4 TRIMMER & 2X4 KING STUD EACH END OF EACH 4X DROPPED BEAM OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 4X10 OR LARGER. PROVIDE DOUBLE TRIMMERS AT EACH 3-1/2 X 7-1/2 PSL OR LSL OR LARGER.	504. SHEAR PANELS WHERE 8D COMMON NAILS ARE SPECIFIED: 10D 2 ½ " X 0.148" WIRE BARBED NAILS BY CUTLER OR EQUAL NAIL SIZES C&C PRESSURES	SEISMIC DESIGN CATEGORY RISK CATEGORY SEISMIC IMPORTANCE FACTOR Ss: 1.875 Sds: 1.500 Cs:
SIDES OF ALL INTERIOR WALLS. EXTERIOR SURFACES: SEE PLANS. WHERE "STUCCO" IS SPECIFIED PROVIDE $\frac{7}{8}$ " EXTERIOR CEMENT PLASTER OVER WIRE LATH OVER TYPE 15 BUILDING PAPER.	314. PROVIDE 2X6 TRIMMER & 2X6 KING STUD EACH END OF EACH 6X DROPPED BEAM OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 6X8 OR LARGER. PROVIDE DOUBLE TRIMMERS AT EACH 5-1/4 X 7-1/2 PSL OR LSL OR LARGER.	SIZE OF NAIL STANDARD LENGTH WIRE GAUGE (INCHES) PENETRATION REQUIRED ROOF: GABLE ROOF, PITCH α = 18.3° BOX NAILS A_EFFECTIVE = 10 sf 28 sf 30 sf (-) ZONE 1 -42.0 psf -39.5 psf -39.3 psf (-) ZONE 2 -50.6 psf -45.5 psf -45.1 psf	
LATH ATTACHED TO ALL STUDS AND TOP AND BOTTOM PLATES (OR BLOCKING AS OCCURS) W/ 16 GAGE X $\frac{7}{16}$ " STAPLES @ 6" O/C OR NO. 11 GAGE X 1-1/2" FURRING NAILS WHERE INDICATED ON ELEVATIONS.	 315. PROVIDE DOUBLE KING STUDS AT ALL OPENINGS 8'-1" WIDE AND WIDER OR PER PLAN. 316. PROVIDE MINIMUM 2-1/4" BEARING @ EACH END OF EACH FLUSH BEAM OR HEADER WHERE REARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3" OF REARING POINT. 	6D 2" 12 0.099 1" 8D 2 " 11 0.113 1" 10D 3" 10 0.128 1 "	
303. STRUCTURAL SHEATHING MAY BE EITHER OSB OR PLYWOOD. ANY NOTES REFERRING TO PLYWOOD ALSO APPLIES TO OSB. SHEATHING (WOOD STRUCTURAL PANELS) MUST MEET THE REQUIREMENTS OF DOC PS1 OR PS2 IN ACCORDANCE WITH NDS SDPWS.	 WHERE BEARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3" OF BEARING POINT. PROVIDE (2) 2X STUDS @ 6X OR LSL OR PSL BEAMS. 317. ROOF RAFTERS SHALL BE 2X RAFTERS AS NOTED ON STRUCTURAL DRAWINGS 	16D 3 10 0.135 1 " 16D SINKER 3" 9 0.148 1 " WALLS	RISK CATEGORY EXPOSURE INTERNAL PRESSURE COEF
304. TOP PLATES SHALL BE DOUBLE 2X W/ WIDTH EQUAL TO STUDS BELOW, W/ (21)16D NAILS MIN. @ MINIMUM 4'-0" LAP SPLICES. USE SIMPSON RPS OR CS16 STRAP EACH SIDE OR ONE SIDE AND TOP WHERE LAP SPLICE IS NOT POSSIBLE. SEE DETAILS FOR	318. EAVES SHALL BE PER ARCHITECTURAL PLANS W/ APPLIED TAILS PER ARCHITECTURAL PLANS. OVERHANG DETAILS ARE NOT SHOWN ON STRUCTURAL PLANS.	COMMON NAILS $A_{EFFECTIVE} =$ 10 sf 21 sf 48 sf 6D 2" 11 0.113 1" 8D $2\frac{1}{2}$ " 10 0.131 1<"	ROOF DL 27 psf I ROOF LL
NOTCHES, CUT-OUTS AND COMPLETE PLATE BREAKS AT HEATING, VENTING, AND PLUMBING.	 319. SEE THE ARCHITECTURAL ROOF PLANS FOR ROOF PITCH AND ADDITIONAL INFORMATION. 320. COMBINE AND GROUP PLUMBING VENTS WHENEVER POSSIBLE TO MINIMIZE ROOF PENETRATIONS. 	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	TRELLIS DL 6 psf I TRELLIS LL

IMUMS (CBC CHAPTER 23, TABLE 2304.10.2)

NIMUMS (CBC C	CHAF	PTEF	<u>R 23, TAB</u>	LE 2304.10.2)
TO TOP PLATE OR OTHER FRA VALL TOP PLATE TO RAFTER O VALL TOP PLATE TO RAFTER O ER, LAPS OVER PARTITIONS, F HEEL JOINT), F.N. PER 2308.7.3.	r truss r truss .n. per	8, T.N. 8, E.N.	4-8d box, 3-≀ .1 3-16d (Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples 2-8d Com, 2-3" x 0.131" nails, 2-3" 14 gage staples 2-16d Com, 3-3" x 0.131" nails, 3-3" 14 gage staples 16d Com, 3"x.131" nails, 3"x14 gage staples @ 6" o.c 8d Com, 3-10d box, 3-3"x.131 nails, 3-3" 14 gage staples Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
9.7.3.5			3-10d	Com, 4-10d box, 4-3"x0.131" nails, 4-3" 14 gage staples 6d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
" RIDGE BEAM			5-100 Com, 5-1	00 01 4-100 box, 4-5 x 0.151 Tialis, 4-5 14 gage staples
BRACED WALL)	16d Cor	n @ 24" d	2-16d Com, 3-16d p.c. FN OR 2-10d b	6d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples l box, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples box, 3" x 0.131" nails, 3-3" 14 gage staples @ 16" o.c. FN Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c OR 16d Box @ 12" o.c. 4-8d Com, 4-10d Box, 5-8d box
IDE OF END JOINT), FACENAIL	16d	Com @ '	16" o.c. FN OR 100	d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12 o.c. FN
		8-16d	l Com, 12-16d Box	, 12-10d Box, 12-3" x 0.131" nails, 12-3" 14 gage staples
			2-16	16d Com 16d Box, 3" x 0.131" nails, 3" 14 gage staples id Com, 3-16d Box,4-3"x.131" nails,4-3" 14 gage staples
	4			Com, 3-16d Box, 4-3"x0.131" nails, 4-3" 14 gage staples Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples
N, F.N. N.			2-16d C 3-8d Box, 2-8d C 3	Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples Com, 2-10d Box, 2-3" x 0.131" nails, 2-3" 14 gage staples A-8d Box, 2-1.75" 16 Gage staples, 2-8d Com, 2-10d Box A-8d box, 4-1.75" 16 Gage staples, 3-8d Com, 3-10d Box
E, SILL OR OTHER	8d Box @	4" o.c. T		om, 3-10d Box, 3-3" x 0.131" nails, 3-3" 14 gage staples d Box, 3" x 0.131" nails, 3" 14 gage staples @ 6" o.c. TN 2-1.75" Gage Staples, 2-8d Com, 3-10d Box 3-16d Box, 2-16d Com
IAIL & EACH BEARING				3-16d Box, 2-16d Com
S PPOSITE SIDES				20d Com
			4-16d Box, 3- 3-	10d Box, 3"x0.131" nails, 3" 14 gage staples Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples -16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES -16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES
ISS EACH END, T.N. TERIOR WALL SHTNG TO FRMG	AND	EDGES	INTERMEDIATE	com, 2-10d box, 2-3" x 0.131" nails, 2-3" 14 gage staples
floor aħd wall)		(IN) 6	SUPPORTS (IN) 12	
(roof)		6 ^e	6 ^e	FOOTNOTES:
ll)		4 3 ^f	8 3 ^f 3 ^f	a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and
		3 ^f 6	3 12	particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.
(roof) ^d		6 ^e	6 ^e	b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel
e, <u>7</u> " crown 31"x.281 head)		4	8	supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked). c. Where a rafter is fastened to an adjacent parallel ceiling joist in
51 X.201 Head)		6	12	accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the
dia) or $1\frac{1}{4}$ " 16 Ga Staple w/ $\frac{7}{16}$ " or	1" crown	3	6	rafter shall be permitted to be reduced by one nail. d. RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.
dia) or $1\frac{1}{2}$ " 16 Ga Staple w/ $\frac{7}{16}$ " or	1" crown	3	6	e. Tabulated fastener requirements apply where the ultimate design wind speed is less than 140 mph. For wood structural panel roof
OOR UNDERLAYMENT TO FRA	MING			sheathing attached to gable-end roof framing and to intermediate supports within 48 inches of roof edges and ridges, nails shall be spaced at 4 inches on center where the ultimate design wind speed is
x0.113"); or deformed (2"x0.120") x0.113"); or deformed (2"x0.120")		6 6	12 12	greater than 130 mph in Exposure B or greater than 110 mph in Exposure C. Spacing exceeding 6 inches on center at intermediate
$(x0.131); \text{ or deformed } (2\frac{1}{2}x0.120)$		6	12	supports shall be permitted where the fastening is designed per the AWC NDS.
		6	12	e. Fastening is only permitted where the ultimate design wind speed is less than or equal to 110 mph g. Nails and staples are carbon steel meeting the specifications of
6d corrosion-resistant (2"x.099") 8d corrosion-resistant casing (2½"	x0.113")	6	12	ASTM F1667. Connections using nails and staples of other materials, such as stainless steel, shall be designed by acceptable engineering
- 2	- /			practice or approved under Section 104.11.
72") - (Panel supports at 24 inches)		6 6	12 12	
/	8. 5			OF SPECIAL INSPECTIONS
DE AND 2022 CALIFORNIA	A	LL-THRE	EAD ROD AND SIN INSPECTION. (NO	FOR MISPLACED HOLDOWNS WITH MPSON SET-XP EPOXY REQUIRE D SPECIAL INSPECTION IS REQUIRED BOLTS OR TITEN HD'S WITHOUT A
1,500 psf D (Default)			N ATTACHED.)	
D II				ISPECTION IS NOT REQUIRED FOR ON GRADE NOR FOR CONCRETE
1 Cs: 0.231				T 3 STORIES ABOVE GRADE OR LESS.
R: 6.5				NSPECTION IS NOT REQUIRED FOR OR DETTACHED ONE- AND
ARING WALL ANALYSIS EDURE SEE STRUCTURAL SHEAR, Cs, & R FACTORS.	Т			NOT EXCEEDING 2 STORIES ABOVE
124 mph	9 5		S REPOF	۲۲
ll C				
0.18	A GEOTECHNICAL REPORT WILL NOT BE REQUIRED FOR THIS ADU PROGRAM. A CONSERVATIVE VALUE FOR THE SOIL BEARING			
L 20 psf	ALLOWABLE OF 1500 PSF HAS BEEN USED IN DESIGN OF THE BUILDING.			
L 20 psf LL 20 psf S LL 10 psf	IF IT IS UNDERSTOOD THAT EXPANSIVE SOILS MAY BE FOUND IN BUILDING AREA, A GEOTECHNICAL REPORT PREPARED BY A CALIFORNIA REGISTERED DESIGN PROFESSIONAL MAY BE REQUIRED.			

0 L 0 _____ ._ _ \square \subseteq σ \supset Q \vdash \cap S () \square О Τ \Box \supset ⊢ ⊢ S \triangleleft Т σ ⊢ Ω ⊲ (1) Δ Ζ Ζ C S C ſш ---- \Box ()_____ S +ш U \square σ

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING LINIT (ADL) POCEDAM FOR

IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S ALL INFORMATION RELEVANT TO THE RECIPIENT'S OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS

ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.



project

City of Riverside Pre-Approved ADU Program

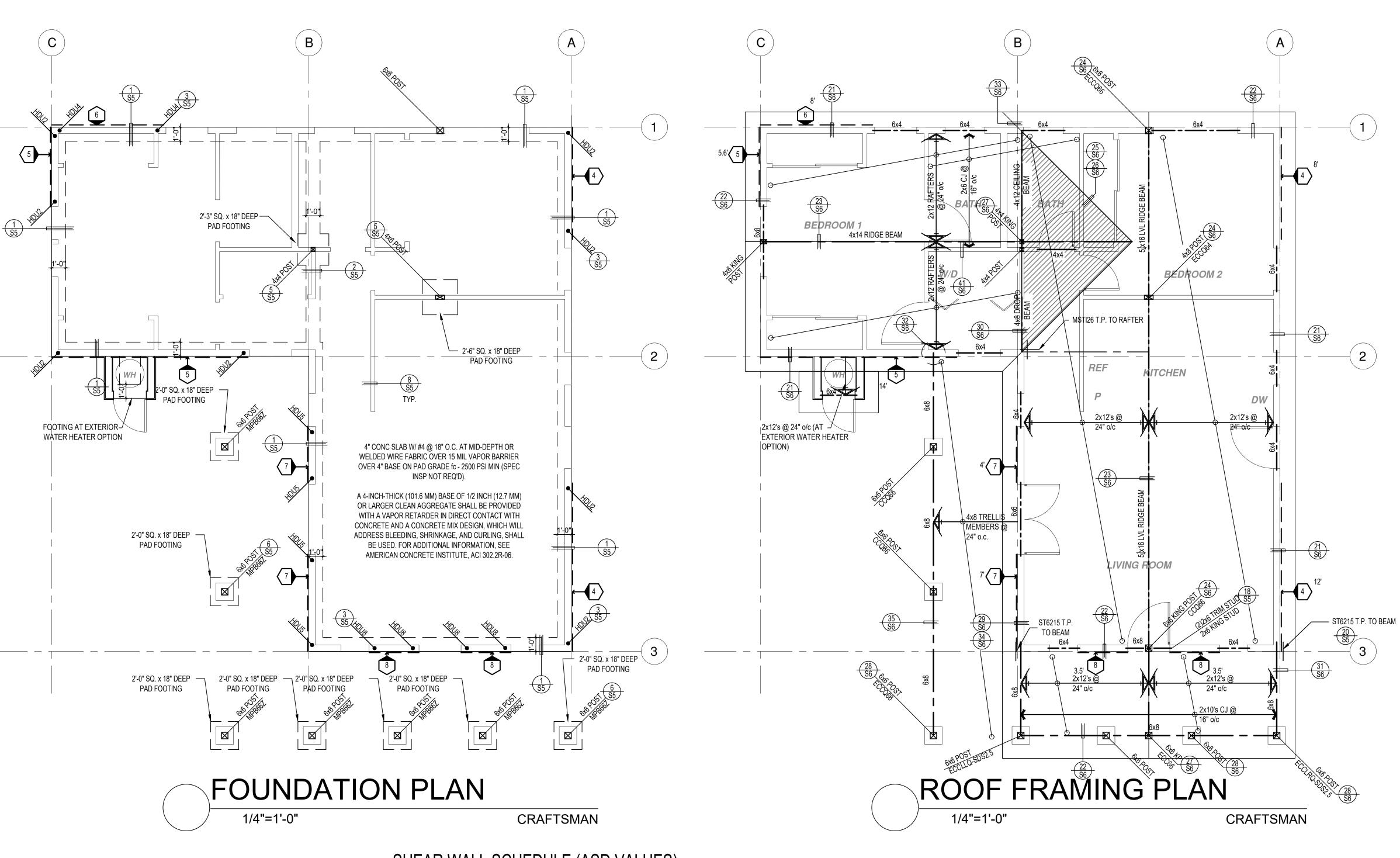
revisions



description

Structural Notes & Specifications

date	October 2023
project no.	Riverside ADU
drawn by	design path studio
sheet no.	51



FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHORBOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- · PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT.
- PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 6. SEE SHEET S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- . POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2) 16d T.N. EA SIDE, TYP.
- . FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

	4	5	6	7	8	9
SHEARWALL DESCRIPTION (See footnotes 1& 4)	$\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6)	³ / ₈ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 4" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6)	³ ∕ ₈ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3,4, & 6)	³ / ₈ " rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3,4, & 6)	15 / ₃₂ " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, 5, & 6)	15 / ₃₂ " rated STRUCT 1 panel, (1) sic o/c edge, 12" o/c field 3x abutting p blocked (See footnote 3, 4, 5, & 6)
SHEAR VALUE (PLF)	260*	375*	490*	550*	665*	870*
ANCHOR BOLT SPACING	5⁄8" @ 48" or 1∕2" @ 32"	5%" @ 32" or 1∕2" @ 24"	5%" @ 24" or 1∕2" @ 16"	5⁄8" @ 24" or ½" @ 16"	5⁄8" @ 16" or 1∕2" @ 12"	5⁄8" @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	6"	4"	3½"	3"	1⁄4"x41⁄2" SDS screws @ 8"	1/4"x41/2" SDS screws @ 8"
SPACING OF A35/LTP4 FRAMING TO TOP PLATE	32" O.C.	16" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.

- PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.

- (*) ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

SHEAR WALL SCHEDULE (ASD VALUES)

SHEAR WALL FOOTNOTES

(1) AT PLYWOOD OR OSB PS-1 OR PS-2 RATED PANELS USE COMMON NAILS OR GALVANIZED BOX NAILS (2) LAYERS OF PAPER EXTERIOR PLYWOOD REQUIRED. SHEARSHALL BE APPLIED OVER STUDS @ 16" O/C. GALVANIZED NAILS SHALL NOT BE HOT-DIPPED OR TUMBLED.

(2) SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209. 307, 308, 309, ETC.)

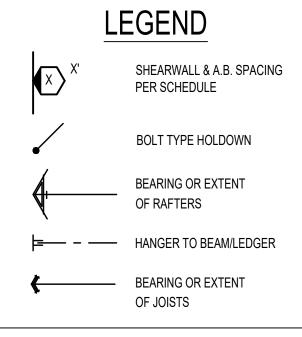
(3) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE ½" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/8" MIN. FROM THE EDGE OF SHEATHING.

(4) WHERE ALLOWABLE SHEAR VALUES EXCEED 350 PLF (SHEARWALL TYPES 6, 7, 8, & 9) ALL FRAMING RECEIVING NAILING FROM ABUTTING PANEL EDGES SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR (2) 2X MEMBERS NAILED WITH 10D, SPACING EQUAL TO THE E.N. SPACING.

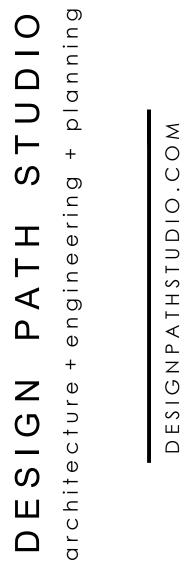
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(6) WHERE NOISE INSULATION IS REQUIRED, STRUCTURAL SHEAR PANELS TO BE UPGRADED TO $\frac{1}{2}$ " WSP, ALL OTHER EXTERIOR SURFACES TO BE SHEATH WITH GRADE D MIN. $\frac{1}{2}$ " SOLID SHEATHING WITH 6" O.C. EDGE NAILING, 12" O.C. FIELD NAILING.





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Craftsman Foundation & Framing <u>Plan</u>

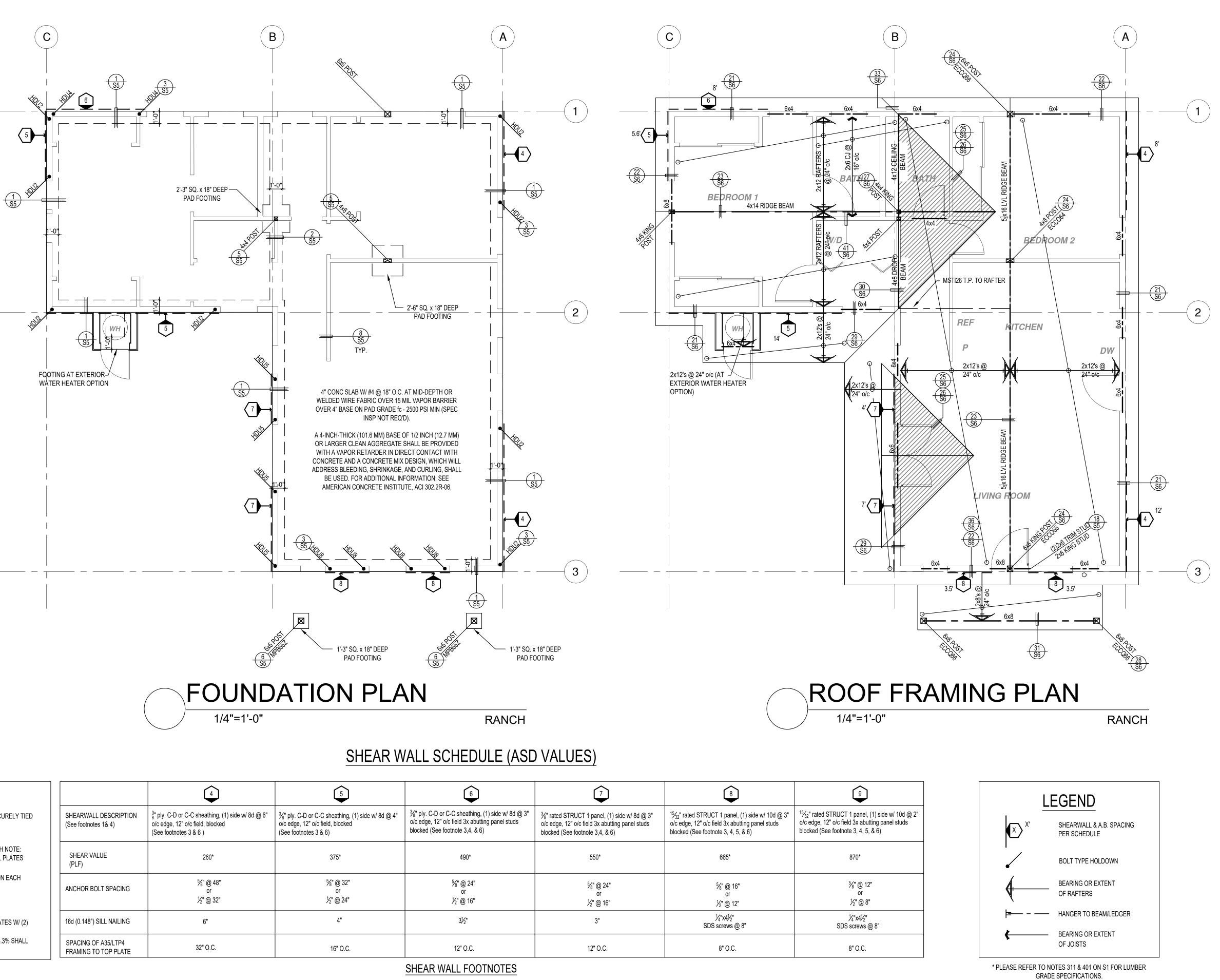
date October 2023

project no. Riverside ADU

drawn by

DESIGN PATH STUDIO

sheet no.



FOUNDATION NOTES

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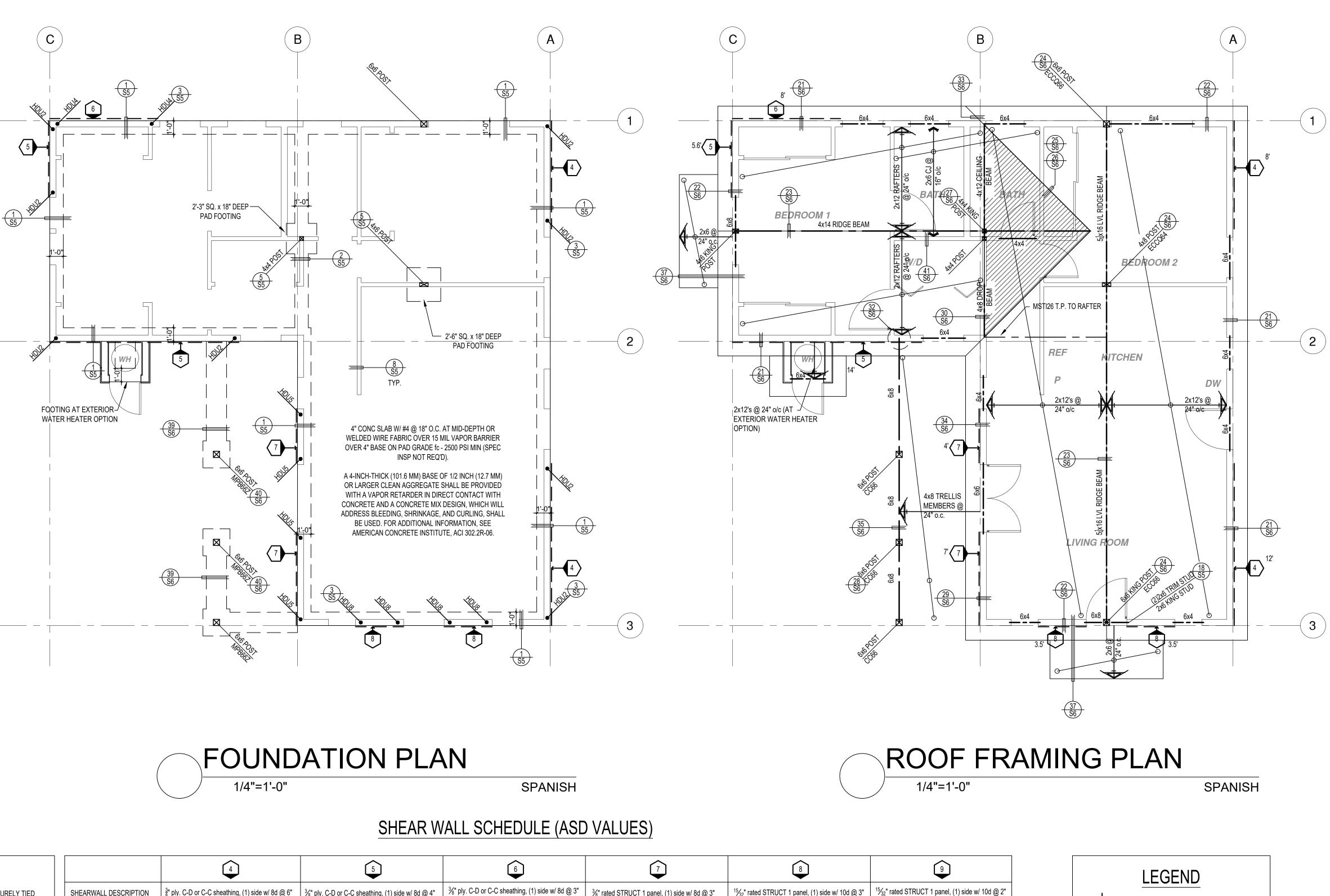
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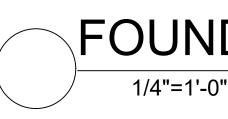
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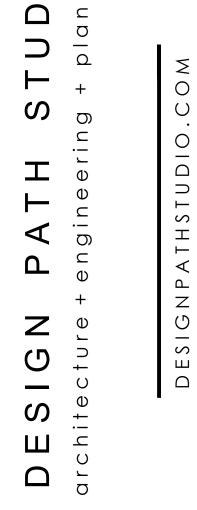
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project

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Spanish Foundation & Framing <u>Plan</u>

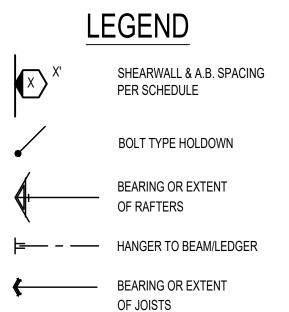
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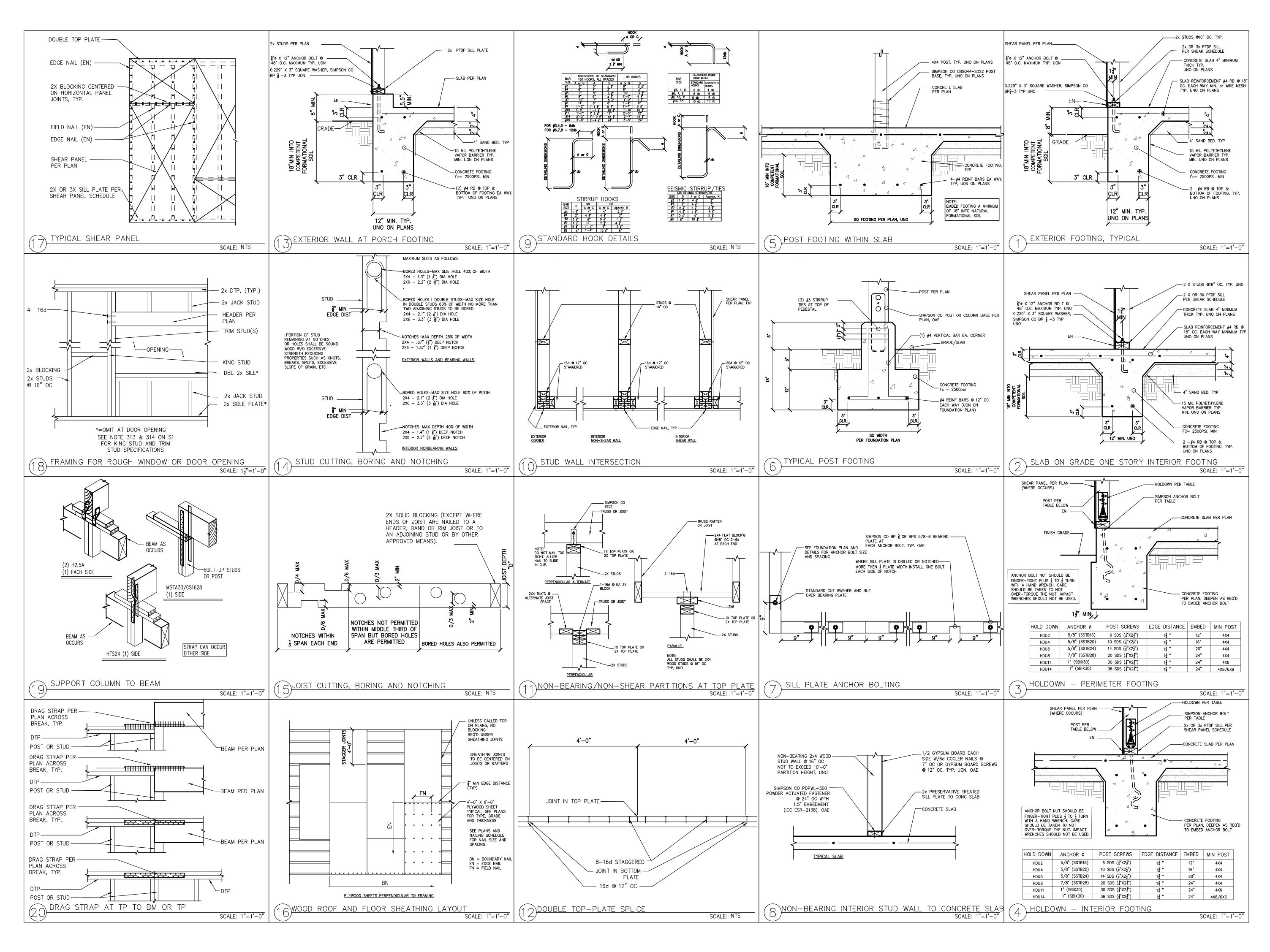
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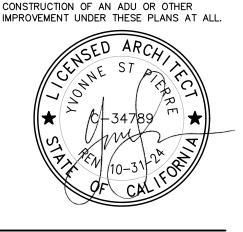


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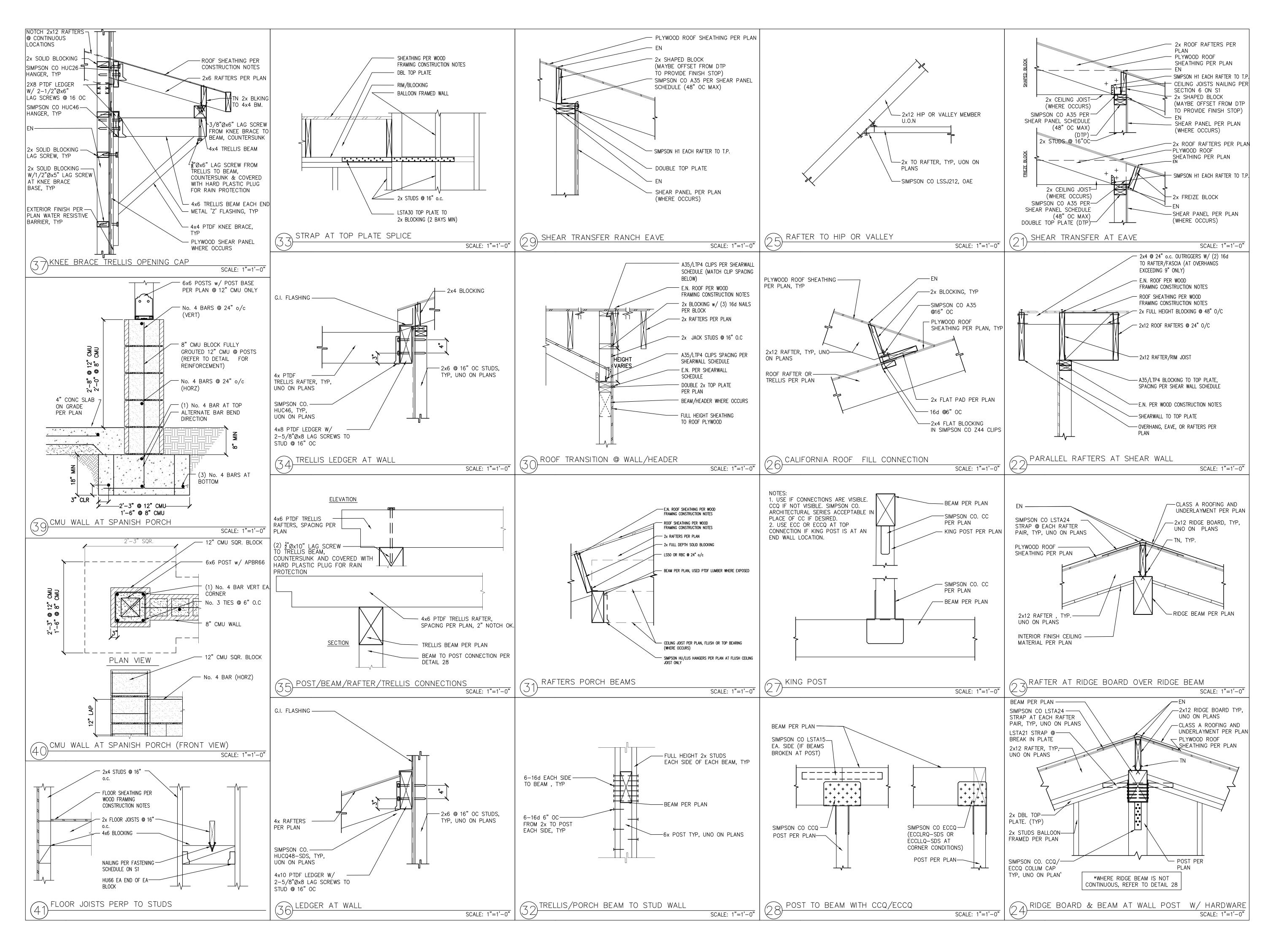
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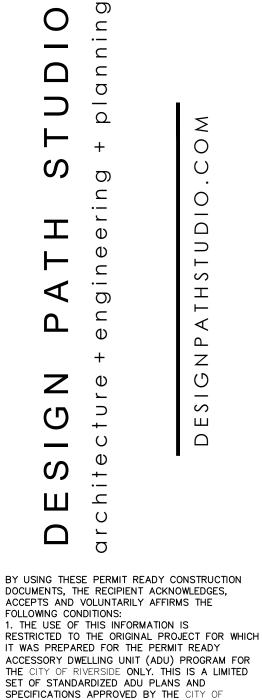
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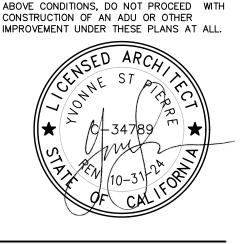
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project no.	Riverside ADU
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sheet no.	65



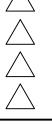


SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE



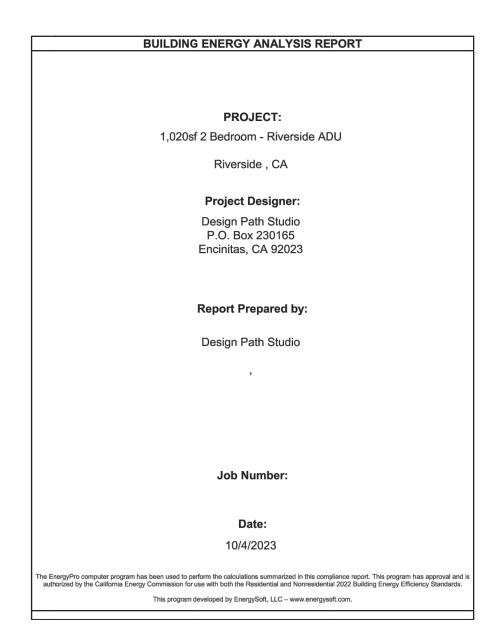
city of Riverside Pre-Approved ADU Program

revisions



description Structural Details

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	
	00



CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD		CF1R-PRF-01-E
Project Name: 1,020sf 2 Bedroom - Riverside ADU	Calculation Date/Time: 2023-10-04T11:15:33-07:00	(Page 2 of 12)
Calculation Description: Title 24 Analysis	Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x	

		Energy Design Ratings			Compliance Margins	
	Source Energy (EDR1)	Efficiency ¹ EDR (EDR2efficiency)	Total ² EDR (EDR2total)	Source Energy (EDR1)	Efficiency ¹ EDR (EDR2efficiency)	Total ² EDR (EDR2total)
Standard Design	36.7	39.9	29.1		•	
		Propose	d Design			
North Facing	34.9	36.5	27.3	1.8	3.4	1.8
East Facing	34.3	36	27.1	2.4	3.9	2
South Facing	34.4	36.6	27.4	2.3	3.3	1.7
West Facing	34.7	36.3	27.3	2	3.6	1.8
		RESULT	³ : PASS	DOC 1	· · · ·	
Efficiency EDR includes improvements like a b Total EDR includes efficiency and demand res	ponse measures such as p	hotovoltaic (PV) system a	and batteries	DER net load hour limits are n	at available	

Registration Number:	Registration Date/Time:	HERS Provider:	
223-P016596246A-000-000-0000000-0000	2023-10-04 14:05:25		CalCERTS inc.
CA Building Energy Efficiency Standards - 2022 Residential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220901	Report Generated: 2023-10-04	11:16:30

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD		CF1R-PRF-01-E
Project Name: 1,020sf 2 Bedroom - Riverside ADU	Calculation Date/Time: 2023-10-04T11:15:33-07:00	(Page 5 of 12)
Calculation Description: Title 24 Analysis	Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x	
ENERGY USE INTENSITY		

	Standard Design (kBtu/ft ² - yr)	Proposed Design (kBtu/ft ² - yr)	Compliance Margin (kBtu/ft ² - yr)	Margin Percentage
North Facing				
Gross EUI ¹	19.9	18.54	1.36	6.83
Net EUI ²	7.87	6.51	1.36	17.28
East Facing				
Gross EUI ¹	19.9	18.48	1.42	7.14
Net EUI ²	7.87	6.45	1.42	18.04
South Facing)		
Gross EUI ¹	19.9		1:43	7.19
Net EUI ²	7.87		1.43	18.17
West Facing		ks pruv	IVEK	
Gross EUI ¹	19.9	18.41	1.49	7.49
Net EUI ²	7.87	6.38	1.49	18.93
Notes	•	•		

1. Gross EUI is Energy Use Total (not including PV) / Total Building Area. 2. Net EUI is Energy Use Total (including PV) / Total Building Area.

Registration Date/Time: 2023-10-04 14:05:25 Report Version: 2022.0.000 Schema Version: rev 20220901

TITLE 24 COMPLIANCE REQUIREMENTS SUMMARY
RIVERSIDE ADU – 1,020SF 2 BEDROOM
Ceiling Insulation = R-30 min. at rafters
Radiant Barrier – No
Roofing – per owner – No Cool Roof Req'd
Wall Insulation = R-19 at new 2 x 6 walls
Floor Insulation – N/A.
Thermal Mass Areas = Exposed Slab Flooring
QII- Yes-Hire HERS rater early before drywall. Alert insulation contractor.
SOLAR – Minimum Standard Design 2.11 kWdc
Glazing = All new windows & doors are dual glazing. All glass is clear.
Glazing shall be installed with a NFRC certifying label attached showing U-factor.
Solar Heat Gain Co-efficient = 0.23 windows, doors.
U-Factor = 0.30 windows, doors.
*Owner to purchase windows & doors w/ specified Uvalues & SHGC's or better.
Hot Water Heater = 40-gal heat pump RHEEM PROPH40T2RH37530 or eq.
Uniform Energy Factor is 3.1 min. NEEA Rated. HERS VERIFIED.
IAQ FAN - 52 cfm & 0.35 cfm power. Verify w/ Mech. (continuous ventilation
per ASHRAE 62.2 is req'd for IAQ.) HERS VERIFIED. Note IAQ fan on plan w/
timer switch w/ manual off & sound rating of 1 sone.
HSPF – 8.2 min. (New mini-split)
SEER – 14.0 min. (new) HERS REQUIRED: REFRIGERANT CHARGE, AIRFLOW IN HABITABLE ROOMS (SC3.1.4.1.7), VERIFIED HEAT
PUMP RATED HEATING CAPACITY, WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150
S.F. (SC3.4.5) AND DUCTLESS INDOOR UNITS ARE LOCATED ENTIRELY IN
CONDITIONED SPACE (SC3.1.4.1.8).
Duct Insulation = none
Duct (HERS) 5% Leakage Test – NO
*Heater Sizing
Total Sensible heating load – 12,945 Btu
FUJITSU #AOU12R2 or eq – 24,000 Btu
*A/C Sizing
Total Sensible cooling load – 10,067 Btu
WHOLE HOUSE ATTIC COOLING FAN - N/R for compliance
*These load calculations, sizing & equipment are for Title 24 purposes & should be verified HVAC by a Mechanical Engineer/Contractor.
Owner may install any Make & Model HVAC equipment that is equal or greater
than the min. efficiencies listed above. All equipment is listed "or eq"
ALL LIGHTING TO BE HIGH EFFICACY - SEE MF1R FOR SWITCHING & NOTES.
LOCAL EXHAUST FAN RATES BATH = 50 CFM, KITCHEN = 100 CFM, < 3 sones &
listed on CEC directory. HERS VERIFIED **
SONE RATING = 1 FOR CONTINUOUS FAN AND 3 FOR INTERMITTENT FAN.

CF1R-PRF-01-E CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: 1,020sf 2 Bedroom - Riverside ADU Calculation Date/Time: 2023-10-04T11:15:33-07:00 (Page 3 of 12) Calculation Description: Title 24 Analysis Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x

ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft ² -yr)	Standard Design TDV Energy (EDR2) (kTDV/ft ² -yr)	Proposed Design Source Energy (EDR1) (kBtu/ft ² -yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft ² -yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	1.13	5.06	1.61	11.53	-0.48	-6.47
Space Cooling	1.28	28.07	0.89	22.55	0.39	5.52
IAQ Ventilation	0.4	4.16	0.4	4.16	0	0
Water Heating	2.09	21.18	1.39	15.23	0.7	5.95
Self Utilization/Flexibility Credit				0		0
North Facing Efficiency Compliance Total	4.9	58.47		53.47	0.61	5
Space Heating	1/13	5.06		10	-0.27	-4.94
Space Cooling	1.28	H 28.07 R S	PR 0.89 VII		0.39	4.68
IAQ Ventilation	0.4	4.16	0.4	4.16	0	0
Water Heating	2.09	21.18	1.39	15.19	0.7	5.99
Self Utilization/Flexibility Credit				0		0
East Facing Efficiency Compliance Total	4.9	58.47	4.08	52.74	0.82	5.73

fficiency Standards -	2022 Residential Compl	iance	Report Version: 2							CalCERTS inc.		
			Schema Version: 1		Repor	t Generated:	2023-10-04 1	1:16:30				
		CE COMPLIANCE		ion Date	/Time: 2023	-10-04T1	1:15:33-07:0	0		1R-PRF-01-E Page 6 of 12)		
tion: Title 24 Analy	/sis		Input Fi	e Name	1020sf 2 Be	droom -	Riverside.ribo	122x				
02	03	04	05	06	07	08	09	10	11	12		
Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)		
NA	Standard (14-17%)	Fixed	none	true	150-270	n/a	n/a	<=7:12	96	98		
0	sf 2 Bedroom - Ri ion: Title 24 Analy S 02 Exception	isf 2 Bedroom - Riverside ADU ion: Title 24 Analysis S 02 03 Exception Module Type	isf 2 Bedroom - Riverside ADU ion: Title 24 Analysis S 02 03 04 Exception Module Type Array Type	ion: Title 24 Analysis Input Fi	Input File ADU Calculation Date Input File Name: S 02 03 04 05 06 Exception Module Type Array Type Power Electronics CFI	ion: Title 24 Analysis Calculation Date/Time: 2023 Input File Name: 1020sf 2 Be S 02 03 04 05 06 07 Exception Module Type Array Type Power Electronics CFI Azimuth (deg)	Calculation Date/Time: 2023-10-04T1 ion: Title 24 Analysis Input File Name: 1020sf 2 Bedroom - S 02 03 04 05 06 07 08 Exception Module Type Array Type Power Electronics CFI Azimuth (deg) Tilt Input	Calculation Date/Time: 2023-10-04T11:15:33-07:0 ion: Title 24 Analysis Input File Name: 1020sf 2 Bedroom - Riverside.ribo S 02 03 04 05 06 07 08 09 Exception Module Type Array Type Power Electronics CFI Azimuth (deg) Tilt Input Array Angle (deg)	Calculation Date/Time: 2023-10-04T11:15:33-07:00 Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x S 02 03 04 05 06 07 08 09 10 Exception Module Type Array Type Power Electronics CFI Azimuth (deg) Tilt Input Array Angle (deg) Tilt: (x in 12)	Calculation Date/Time: 2023-10-04T11:15:33-07:00 (Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x S 02 03 04 05 06 07 08 09 10 11 Exception Module Type Array Type Power Electronics CFI Azimuth (deg) Tilt (nput file (deg)) Tilt: (x in 12) Inverter Eff. (%)		

	mp compliance o <mark>pt</mark> ion (verificat ncy Alliance (NEE <mark>A) r</mark> ated heat p													
r														
HERS FEATURE SUMMARY														
	ne following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional atail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the HERS Registry													
1	ion ge is (SC3.1.4.1.7)			/ IIIC										
BUILDING - FEATURES INFORMA	ATION	ł												
01	02	03	04	05	06	07								
Project Name	Conditioned Floor Area (ft ²)	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems								
1,020sf 2 Bedroom - Riverside ADU	1020	1	2	1	0	1								
	· · · · · · · · · · · · · · · · · · ·													

The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.

Registration Date/Time: 2023-10-04 14:05:25 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 11:16:30

Calculation Description: Title 24 Analysis GENERAL INFORMATION Proje 03 Project 04 06 08 Clim Build Projec 14 Addition Cond. Floor 16 Existing Cond. Floor A Total Cond. Floor / 20 ADU Bedroo COMPLIANCE RESULTS 01 Building Complies with Co 02 This building incorporates 03 This building incorporates one or more Special Features shown below

Registration Number: 223-P016596246A-000-000-0000000-0000

Project Name: 1,020sf	2 Bedroom - Riv							
Calculation Description: Title 24 Anal								
ENERGY USE SUMMARY								
Energy Use	Standard Des Energy (EDR1)							
Space Heating	1.1							
Space Cooling	1.2							

Energy Ose	Energy (EDR1) (kB
Space Heating	1.13
Space Cooling	1.28
IAQ Ventilation	0.4
Water Heating	2.09
Self Utilization/Flexibility Credit	
South Facing Efficiency Compliance Total	4.9
Space Heating	1.13
Space Cooling	1.28
IAQ Ventilation	0.4
Water Heating	2.09
Self Utilization/Flexibility Credit	
West Facing Efficiency Compliance Total	4.9

Registration Number:	
2	23-P016596246A-00
CA Building Energy Effi	ciency Standards -

	1,020sf 2 Bed	C E - RESIDENTIAL room - Riverside <i>i</i> e 24 Analysis		CE COMPLIA	NCE ME				•			:15:33-07:00 verside.ribd22x	1	CF1R-PRF-01-E (Page 7 of 12)
ZONE INFORMAT	ION													
01		02		03		04	ŀ			05		06		07
Zone Nan	ne	Zone Type	HVAC	System Name	e z	one Floor	Area (ft	2)	Avg. C	eiling H	eight	Water Heating Sy	rstem 1	Status
ADU			102	20			9.5		DHW Sys 1		New			
DPAQUE SURFACES 01 02 03 04 05 06 07 08														
01		02	0	3		04		05			06	07	/	08
Name		Zone	Constr	uction	Az	imuth	0	rientatio	on	Gros	s Area (ft ²)	Window a Area		Tilt (deg)
Front Wall		ADU	R-19	Wall		0		Front			156	59	8	90
Right Wall		ADU ADU	R-19			270 Righ						37.2		90
Back Wall			180 90		Back			156	41		90			
Left Wall	Left Wall ADU R-19 Wall							Left			305	52	2	90
OPAQUE SURFAC	ES - CATHEDR			$\left(\begin{array}{c} \end{array}\right)$			Ř			1	\mathbf{n}			
01	02	03	04		05	0	5		07		08	09	10	11
Name	Zone	Construction	Azimut	h Orier	ntation	ion Area (ft			ht Area ft ²)	Roo	of Rise (x in 12)	Roof Reflectance	Roof Emitta	nce Cool Roof
Roof	ADU	R-30 Roof No Attic	0	Fr	ont	102	20		0		4	0.1	0.85	No
FENESTRATION /	GLAZING													
01	02	03	04	05	06	07	08	09		10	11	12	13	14
Name	Туре	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft ²)	U-f	actor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Window A	Window			1	8		0.3	NFRC	0.23	NFRC	Bug Screen			
Glass Door 1	Window	Front Wall	Front			1 33.			0.3	NFRC	0.23	NFRC	Bug Screen	
Window A 2	Window	Front Wall	Front	0			1	8		0.3	NFRC	0.23	NFRC	Bug Screen
Registration Nur CA Building Ener	223-P0165	596246A-000-000-0000 tandards - 2022 Res		Registrat Report V Schema	ersion: 2	202 2022.0.0		4:05:25		HERS Prov Report Ge		CalCERTS inc. 0-04 11:16:30		

CERTIFICATE OF	COMPLIANC	E - RESIDENTIAL	PERFORMAN	ICE COMPLI	ANCE ME	THOD								CF1R-PRF-01-
roject Name: 1	,020sf 2 Bed	room - Riverside A	ADU				Calcula	tion Dat	e/Time	: 2023-1	0-04T11	L:15:33-07:00		(Page 7 of 12
alculation Des	cription: Title	24 Analysis					Input F	ile Name	e: 1020s	sf 2 Bedr	room - R	iverside.ribd22>	1	
ONE INFORMAT	ON												;	
01		02		03		0	4			05		06		07
Zone Nam	e	Zone Type	HVAC	System Nan	ne Z	one Floo	Area (ft	²)	Avg. Ce	iling Heig	ght	Water Heating Sy	/stem 1	Status
ADU		Conditioned	Γ	/ini Split1		1020 9.5 DHW Sys 1		L	New					
PAQUE SURFAC	ES													
01		02	0	3		04		05		C)6	07	7	08
Name		Zone	Constr	uction	A	imuth	0	rientatior	י	Gross A	rea (ft ²)	Window a Area	I	Tilt (deg)
Front Wall		ADU	R-19	Wall		0		Front		1	56	59	.8	90
Right Wall		ADU	R-19	Wall		270		Right		305		37	.2	90
Back Wall		ADU	R-19	Wall	_	180		Back		1	56	41	.5	90
Left Wall		ADU	R-19	Wall		90	51	Left		3	05	52	2	90
OPAQUE SURFAC	ES - CATHEDRA			(-2)							~			
01	02	03	04		05	0	6	0	7		08	09	10	11
Name	Zone	Construction	Azimut	Azimuth Orient		ation Area (f		Skyligh (ft	-		tise (x in L2)	Roof Reflectance	Roof Emittanc	e Cool Roof
Roof	ADU	R-30 Roof No Attic	0	1	ront	10	20	0)		4	0.1	0.85	No
ENESTRATION /	GLAZING							_						
01	02	03	04	05	06	07	08	09	1	0	11	12	13	14
Name	Туре	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft ²)	U-fa	ctor	U-facto Source	I SHGC I	SHGC Source	Exterior Shadin
Window A	Window	Front Wall	Front	0			1	8	0.	3	NFRC	0.23	NFRC	Bug Screen
Glass Door 1	Window	Front Wall	Front	0			1	33.3	0.	3	NFRC	0.23	NFRC	Bug Screen
Window A 2	Window	Front Wall	Front	0			1	8	0.	3	NFRC	0.23	NFRC	Bug Screen
Registration Num	ıber:		· · · · · · · · · · · · · · · · · · ·			Registra	tion Date					HERS Prov	ider:	
		96246A-000-000-0000							-10-04 14					CalCERTS i

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Calculation Date/Time: 2023-10-04T11:15:33-07:00 Project Name: 1,020sf 2 Bedroom - Riverside ADU Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x

CF1R-PRF-01-E (Page 1 of 12)

ject Name	1,020sf 2 Bedroom - Riverside ADU			
Run Title	Title 24 Analysis			
t Location	_			
City	Riverside	05	Standards Version	2022
Zip code		07	Software Version	EnergyPro 9.0
nate Zone	10	09	Front Orientation (deg/ Cardinal)	All orientations
lding Type	Single family	11	Number of Dwelling Units	1
ject Scope	Newly Constructed	13	Number of Bedrooms	2
Area (ft ²)	0	15	Number of Stories	1
Area (ft ²)	n/a	17	Fenestration Average U-factor	0.3
Area (ft ²)	1020	19	Glazing Percentage (%)	18.70%
om Count				
11/		20		
∇ / \langle				
Computer	Performance 🖂 📄 🕞 🦿 🍺	R	OVIDER	
tes feature	s that require field testing and/or verification	by a ce	ertified HERS rater under the supervision of a	CEC-approved HERS provider.

CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Date/Time: 2023-10-04 14:05:25 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 11:16:30

CF1R-PRF-01-E

(Page 4 of 12)

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Riverside ADU Calculation Date/Time: 2023-10-04T11:15:33-07:00 Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x

> esign Source Standard Design TDV Energy Proposed Design Source Proposed Design TDV Energy Compliance Compliance Energy (EDR1) (kBtu/ft² -yr) 1) (kBtu/ft² -yr) (EDR2) (kTDV/ft² -yr) (EDR2) (kTDV/ft² -yr) Margin (EDR1) Margin (EDR2) -0.18 -4.35 5.06 9.41 1.31 28.07 0.99 24.86 0.29 3.21 4.16 0.4 4.16 0 0 21.18 1.38 15.18 0.71 6 0 0 58.47 4.08 53.61 0.82 4.86 5.06 1.48 10.66 -0.35 -5.6 28.07 🕞 💽 0.93 (23.26 0.35 4.81 4.16 0.4 4.16 0 0 15.21 21.18 1.39 0.7 5.97 0 0 58.47 4.2 53.29 0.7 5.18

Registration Date/Time: 2023-10-04 14:05:25 000-000-000000-000 - 2022 Residential Compliance Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 11:16:30

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE

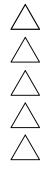




project

City of Riverside Pre-Approved ADU Program

revisions



description

Energy Calculations

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no. 🗕	
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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: 1,020sf 2 Bedroom - Riverside ADU Calculation Date/Time: 2023-10-04T11:15:33-07:00 CF1R-PRF-01-E (Page 8 of 12)

Calculation Description: Title 24 Analysis Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x FENESTRATION / GLAZIN 01 02 03 04 05 06 07 08 09 10 11 12 13 14 Width Height Area U-factor Mult. U-factor SHGC Exterior Shadin Name Туре Surface rientation Azimuth SHGC Source (ft²) Source (ft) 10.5 0.3 NFRC 0.23 NFRC Bug Screen Window C Window Front Wall Front 0 0.3 NFRC 0.23 Window C 2 Window Right Wall Right 1 10.5 NFRC Bug Screen 270 0.3 NFRC Window G Right Wall Right 270 0.23 NFRC Bug Screen Window 6.7 Glass Door 11 Window Right Wall Right 270 0.3 NFRC 0.23 NFRC Bug Screen Window C 3 Window Back Wall Back 180 0.3 NFRC 0.23 NFRC Bug Screen 0.3 Back Wall Back NFRC 0.23 NFRC Bug Screen Window E Window 180 Window E 2 Back Wall Back 0.3 NFRC 0.23 NFRC Bug Screen 180 Window Back Wall NFRC 0.23 NFRC Bug Screen Window F Window Back 180 0.3 French Door 2 Window Left Wall Left 0.3 NFRC 0.23 NFRC Bug Screen Window B Window Left Wall Left 0.3 NFRC NFRC Bug Screen 90 1 8 0.23 Window D Window Left Wall Left 0.3 NFRC 0.23 NFRC Bug Screen 90 1 5.5

							<u> </u>						
Window D 2	Window	Left Wall	Left	90			1	1 5.5 0		NFRC	0.23	NFRC	Bug Screen
SLAB FLOORS		· · ·											
01		02	03		04			05		06		07	08
Name	Name Zone Area (ft ²))	Perimete	r (ft)	Edge Insul. R-value and Depth			dge Insul. R-valu and Depth	Carpete	d Fraction	Heated	
Slab-on-Grade	e	ADU	1020		148	none			0	8	:0%	No	
Registration Num		96246A-000-000-000	0000-0000			Registra	tion Date		10-04 14:05	:25	HERS Prov	vider:	CalCERTS inc.

Report Version: 2022.0.000

Schema Version: rev 20220901

CERTIFICATE OF CO	MPLIANCE -	RESIDE	INTIAL PE	RFORMAN	ICE CO	OMPLIANCE M	ETHOD								CF1R-PRF-01-
Project Name: 1,02	Osf 2 Bedroo	m - Riv	erside AD	U			Calcula	tio	on Date/Time:	2023	-10-04T11:	15:33-07	:00		(Page 11 of 12
Calculation Descrip	tion: Title 24	l Analys	sis				Input F	ile	Name: 1020sf	2 Be	droom - Ri	verside.ri	bd22x		
HVAC HEAT PUMPS -	HERS VERIFIC	ATION													
01	02			03		04	05	Τ	06		07	,		08	09
Name	Verified Ai	rflow	Airflov	w Target	Veri	fied EER/EER2	Verified SEER/SEER2		Verified Refrige Charge	erant	Verif HSPF/H			ied Heating Cap 47	Verified Heating Cap 17
Heat Pump System 1-hers-htpump							Not Required		Yes		No)		Yes	Yes
VARIABLE CAPACITY	HEAT PUMP C	omplia	NCE OPTI	ON - HERS V	/ERIFIC	CATION		_							
01			02	03		04	05		06		07	08	3	09	10
Name		Low	tified -Static System	Airflow Habitab Rooms	ole in Conditioned		Wall Mount Thermostat	Air Filter Sizing & Pressure Drop Rating		C Coi	v Leakage Ducts in nditioned Space	Minin Airflov RA3.3 SC3.3.	v per and	Certified non-continuo Fan	Indoor Fan no us Running Continuously
Heat Pump Sys	stem 1 💦 🤜	Not r	equired	Require	ed	Required	Required		Not required	Not	t required	Not req	uired	Not required	d Not required
INDOOR AIR QUALIT	(IAQ) FANS				F		PRS	T	12-1						
01	02	/	V	03		04	O5		2 06	J	07	ſ		08	09
Dwelling Unit Airflow (CFM) Fan Efficacy (W/CFM)						Q Fan Type	Includes Heat/Energy Recovery?	đ	IAQ Recover Effectiveness -	, , , , , , , , , , , , , , , , , , , ,			HERS	Verification	Status
SFam IAQVentRpt	52		0	.35		Exhaust	No		n/a		No)		Yes	
PROJECT NOTES															
Energy Pro uses ASHR	AE mothod fo		dalag					_					_		

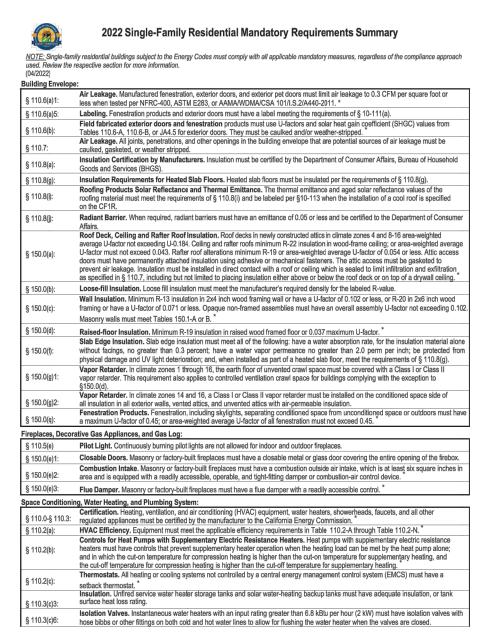
Energy Pro uses ASHRAE method for HVAC sizing.

CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Number: 223-P016596246A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance Registration Date/Time: 2023-10-04 14:05:25 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 11:16:30

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CA Building Energy Efficiency Standards - 2022 Resident § 110.5:

§ 150.0(h)1: § 150.0(h)3A: § 150.0(h)3B: § 150.0(j)1: § 150.0(j)2: § 150.0(n)1: § 150.0(n)3: Ducts and Fans: § 110.8(d)3: § 150.0(m)1: § 150.0(m)2: § 150.0(m)3: § 150.0(m)7: § 150.0(m)8:

§ 150.0(m)9: Insulation exposed to weather must be suitable for outdoor service (e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover). Cellular foam insulation must be protected as above or painted with a water retardant and solar radiation-resistant coating. \$ 150.0(m)10: Porous Inner Core Flex Duct. Porous inner cores of flex ducts must have a non-porous layer or air barrier between the inner core and Duct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to an occupiable space, the ducts must be sealed and duct leakage tested, as confirmed through field verification and diagnostic testing, in accordance with Reference Residential Appendix R3.1. § 150.0(m)11:

Air Filtration. Space conditioning systems with ducts exceeding 10 feet and the supply side of ventilation systems must have MERV 13

§ 150.0(m)12: or equivalent filters. Filters for space conditioning systems must have a two inch depth or can be one linch if sized per Equation 150.0-A. Clean-filter pressure drop and labeling must meet the requirements in §150.0(m)12. Filters must be accessible for regular service. Filter racks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to and prevents air from bypassing the filters.

Registration Date/Time: 223-P016596246A-000-000-0000000-0000 2023-10-04 14:05:25

619-292-8807 Encinitas, CA 92023 Digitally signed by CalCERTS. This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

Project Name: 1,020sf 2 Bedroom - Riverside ADU	Calculation Date/Time: 2023-10-04T11:15:33-07:00	(Page 12 of 12)
Calculation Description: Title 24 Analysis	Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x	
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		, ,
1. I certify that this Certificate of Compliance documentation is accurate and complete.		
Documentation Author Name:	Documentation Author Signature:	·
Yvonne St Pierre	Gronne St Pierre	
Company:	Signature Date:	
Design Path Studio	2023-10-04 14:05:25	
Address:	CEA/ HERS Certification Identification (If applicable):	
PO Box 230165		
City/State/Zip:	Phone:	
Encinitas, CA 92023	619-292-8807	
RESPONSIBLE PERSON'S DECLARATION STATEMENT		
	ificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California <u>compliance are consistent with the</u> information provided on other applicable compliance docum	0
Responsible Designer Name: Yvonne St Pierre	Responsible Designer Signature: Yvonne St Pierre	i
Company: Design Path Studio	Date Signed: 2023-10-04 14:05:25	
Address: PO Box 230165	License: C 34789	
City/State/Zip:	Phone:	

Registration Number: 223-P016596246A-000-000-00000-0000	Registration Date/Time: 2023-10-04 14:05:25
CA Building Energy Efficiency Standards - 2022 Residential Compliance	Report Version: 2022.0.000

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Registration Number:

R-19 Wall	Exterior	Walls Wood Fram	ied Wall	2x6 @	16 in. O. C.	R-19	None	/ None	0.074	25 Exterior Finish		
R-30 Roof No Att	ic Cathedral	wedral Ceilings Wood Fram Ceiling		2x12 @ 24 in. O. C.		R-30 Nc		/ None 0.033		Roofing: 10 PSF (RoofTileAirGap) Tile Gap: present Roof Deck: Wood Siding/sheathing/decking Cavity / Frame: R-30 / 2x12 Inside Finish: Gypsum Board		
	· · · ·			-1e		$\neq \geq$						
BUILDING ENVELOPI	E - HERS VERIFICATI	ON	$\left(\begin{array}{c} 2 \end{array} \right)$					$\mathbb{N}^{\mathbb{C}}$				
01		02	Sa				04			05		
Quality Insulation I	nstallation (QII)	High R-value Spray Foa	m Insulation	n Building Envelope Air Leakage D CF				CFM50		с	FM50	
Requir	red	Not Require	d	N/A				n/a			n/a	
WATER HEATING SYS	TEMS											
01	02	03	04		05		06	0	7	08	09	
Name	System Type	Distribution Type	Water Heate	er Name	Number of Units		Solar Heating System		pact oution	HERS Verification	Water Heater Name (#)	
DHW Sys 1	Domestic Hot Water (DHW)	Standard	DHW Hea	ater 1	1	n/a		No	ne	n/a	DHW Heater 1 (1)	

Schema Version: rev 20220901

Input File Name: 1020sf 2 Bedroom - Riverside.ribd22x OPAQUE SURFACE CONSTRUCTIONS 01 02 03 04 05 06 07 08 Interior / Exterior Total Cavity **Construction Name** Surface Type onstruction Type Framing Continuous Assembly Layers U-factor R-value R-value Inside Finish: Gypsum Board Cavity / Frame: R-19 in 5-1/2 in. (R-18) / R-19 Wall Exterior Walls Wood Framed Wall 2x6 @ 16 in. O. C. R-19 None / None

Calculation Description: Title 24 Analysis

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Calculation Date/Time: 2023-10-04T11:15:33-07:00 Project Name: 1,020sf 2 Bedroom - Riverside ADU

CF1R-PRF-01-E (Page 9 of 12)

CalCERTS inc.

CF1R-PRF-01-E

Project Name: 1,02	OMPLIANCE - RESID 20sf 2 Bedroom - Ri		ORMAN			IETHOD	Calcu	lation [Date/Tim	ie: 2023	3-10-04T	11:15:33-0	07:00		CF1R-PF (Page 10
Calculation Descri	otion: Title 24 Anal	/sis					Input	: File Na	ame: 1020	Osf 2 Be	droom -	Riverside.	ribd22x		
WATER HEATERS - N	EEA HEAT PUMP												•		
01	02		03		04	Ļ		05			06		07		08
Name	# of Units	Та	nk Vol. (g	al) NE	EA Hea Brar	at Pump nd	NE	IEEA Heat Pump Model Tank Locati		nk Locati	on D	uct Inlet Air Sour	ce D	uct Outlet Air	
DHW Heater 1	1		40		Rhee	em	Rhee	emPROP H3753	9H40T2R 30	l Outside l			ADU		ADU
WATER HEATING - H	ERS VERIFICATION														
01	0	2		03		(04			05			06		07
Name	Pipe Ins	ulation	Pa	Parallel Piping Comp		Compact I	Distribu	ibution Compact Distribution Type		bution	Recirculation Control		Shov	ver Drain Wat Recovery	
DHW Sys 1 - 1/3	1 Not Re	quired	Not Required			Not R	equired	quired None			Not Required			Not Require	
SPACE CONDITIONIN						ا(از _		X							
01	02	03		04			05		06	Ĩ	\mathbf{h}	07	08		09
Name	System Type	Heating Uni	it Name	Heating Equip Count	ment	Cooling	Jnit Na	me Co	ooling Equi		Far	n Name	Distribution N	ame	Require Thermosta
Mini Split1	Heat pump heating cooling	Heat Pump 1	System	1		Heat Pur	np Syste 1	em	1			n/a	n/a		Setbac
HVAC - HEAT PUMPS	;														
01	02	03	04	05	0	06 0	07	08	C	09	10	11	12		13
				Hea	ting				Cooli	ing					
Name	System Type	Number of Units	Efficie Type	· I HSPE2	Caj	p 47 Ca	p 17	Efficier Type		ER / ER2	EER / EER / CEER	Zonally Controlled	Compressor Type	ŀ	IERS Verificati
Heat Pump	VCHP-ductless	1	HSP	F 8.2	12	800 79	950	EERSE	FR 1	14	11.7	Not Zona	Single Speed	н	eat Pump Syst 1-hers-htpum

Registration Number: 223-P016596246A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance



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lential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220901	Report Generated: 2023-10-04	11:16:30
2022 Single-Fami	ly Residential Mandatory Requirements Summa	ry	
	,	·····	
	pilot lights are prohibited for natural gas: fan-type central furnaces; househ rical supply voltage connection with pilot lights that consume less than 150		
Building Cooling and Heating Lo Equipment Volume, Applications Vo	ads. Heating and/or cooling loads are calculated in accordance with the AS olume, and Fundamentals Volume; the SMACNA Residential Comfort Syste anual J using design conditions specified in § 150.0(h)2.		
	at pump outdoor condensing units must have a clearance of at least five fee	at from the outlet of any	
manufacturer's instructions.	and heat pump systems must be equipped with liquid line filter driers if requ		
	ing System Piping, and Space Conditioning System Line Insulation. ed in § 609.11 of the California Plumbing Code. *	. All domestic hot water	
maintenance, and wind as required adhesive tapes). Insulation covering	lation must be protected from damage, including that due to sunlight, moistu I by §120.3(b). Insulation exposed to weather must be water retardant and p g chilled water piping and refrigerant suction piping located outside the con s I or Class II vapor retarder. Pipe insulation buried below grade must be ins	protected from UV light (no ditioned space must	
Gas or Propane Water Heating S designate a space at least 2.5' x 2.	ystems. Systems using gas or propane water heaters to serve individual dx 5' x7' suitable for the future installation of a heat pump water heater, and m he distance between this designated space and the water heater location; a of the water heater	neet electrical and	
Certification Corporation (SRCC), t	Solar water-heating systems and collectors must be certified and rated by the International Association of Plumbing and Mechanical Officials, Researd approved by the executive director.		
	kisting space-conditioning duct must comply with § 604.0 of the California M e contractor must certify to the customer, in writing, that the insulation meet		
Duct Construction Standards Metal R-6.0 or higher; ducts located entir do not require insulation. Connectic sealed with mastic, tape, or other d The combination of mastic and eith cavities, air handler support platforr	on system ducts and plenums must meet CMC §§ 601.0-605.0 and ANSUS and Flexible 3rd Edition. Portions of supply-air and return-air ducts and pler ely in conditioned space as confirmed through field verification and diagnos nos of metal ducts and inner core of flexible ducts must be mechanically fas luct-closure system that meets the applicable UL requirements, or aerosol s rer mesh or tape must be used to seai openings greater than ¼", If mastico ms, and plenums designed or constructed with materiais other than seaied prvey conditioned air. Building cavilies and support platforms may contain d	nums must be insulated to tic testing (RA3.1.4.3.8) tened. Openings must be ealant that meets UL 723. r tape is used. Building sheet metal, duct board or	
connections, and closures; joints ar	s. Factory-fabricated duct systems must comply with applicable requiremen nd seams of duct systems and their components must not be sealed with clo		
Field-Fabricated Duct Systems. F	d in combination with mastic and draw bands. Field-fabricated duct systems must comply with applicable requirements for:	pressure-sensitive tapes,	
	ements specified for duct construction. hat exchange air between the conditioned space and outdoors must have be	ackdraft or automatic	
Gravity Ventilation Dampers. Gra manually operated dampers in all o	avity ventilating systems serving conditioned space must have either automa openings to the outside, except combustion inlet and outlet air openings and	elevator shaft vents.	
	n must be protected from damage due tosunlight, moisture, equipment main		

Registration Date/Time: 2023-10-04 14:05:25 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 11:16:30

DEG	DENTIA	MEAS		STIMM	ADV							RMS-
Project N			JUKES (ding Type	⊠ Sing	le Famil		ddition Ald	ne		Date
	f 2 Bedroon	n - Rivers	ide ADU	Dane			Family		xisting+ A		Alteration	10/4/202
Project A						rgy Climate		Total C	Cond. Floor	Area	Addition	# of Uni
Rive				C	A Clime	ate Zone	910		1,020		n/a	1
	ATION	_		-		Area	-					
		Гуре		Cav	rity	(ft ²)	S	pecia	I Featu	res		Status
Nall	Wood Frame	-		R 19		732						New
Roof	Wood Frame			R 30		1,020						New
Slab	Unheated Sl	ab-on-Grade		- no ins	sulation	1,020	Perim =	- 148'				New
FENE	STRATIO	N	Total Area:	191	Glazing	Percentag	e: 1	8.7%	New/Altered	Average	e U-Factor:	0.30
Orien	tation A	rea(ft ²)	U-Fac	SHGC	Overh	ang 🗄	Sidefi	ns	Exterio	r Sha	des	Status
Front (N)		59.8	0.300	0.23	none		none		N/A			New
Right (W)		37.2	0.300	0.23	none		none		N/A			New
Rear (S)		41.5	0.300	0.23	none		none		N/A			New
Left (E)		52.0	0.300	0.23	none		none		N/A			New
	SYSTEM	s										01-1
Qty.	Heating		Min. Ef		oling			. Eff			nostat	Status
1	Electric Heat F	ump	8.20 HSP	r Spl	it Heat Pur	пр	14.03	SEER	5	ətback		New
HVAC Locat	DISTRIB		ating	Co	oling	Duct	Loca	ition		Du R-	ict Value	Status
Mini Split		Ductle	ss / with Fan	Duci	less	n/a				n/a		New
WATE	R HEATI	IG										
Qty.	Туре		Ga	llons	Min. I	Eff I	Distril	outio	n			Status
1	Heat Pump	·	40		3.10		Standard	1				New

	2022 Single-Family Residential Mandatory Requirements Summary
150.0(m)13:	Space Conditioning System Airflow Rate and Fan Efficacy. Space conditioning systems that use ducts to supply cooling must have a hole for the placement of a static pressure probe, or a permanently installed static pressure probe in the supply plenum. Airflow must be \geq 350 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy \leq 0.45 watts per CFM for gas furnace air handlers and \leq 0.58 watts per CFM for all others. Small duct high velocity systems must provide an airflow \geq 250 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy \leq 0.62 watts per CFM. Field verification testing is required in accordance with Reference Residential Appendix RA3.3.*
tilation and In	door Air Quality: Requirements for Ventilation and Indoor Air Quality. All dwelling units must meet the requirements of ASHRAE Standard 62.2,
150.0(o)1:	Ventilation and Acceptable Indoor Air Quality in Residential Buildings subject to the amendments specified in § 150.0(o)1.*
150.0(o)1B:	Central Fan Integrated (CFI) Ventilation Systems. Continuous operation of CFI air handlers is not allowed to provide the whole- dwelling unit ventilation airlfow required per §150.0(o)1C. A motorized damper(s) must be installed on the ventilation duct(s) that prevents all airlfow through the space conditioning duct system when the damper(s) is closed andcontrolled per §150.0(o)1Bili&iv. CFI ventilation systems must have controls that track outdoor air ventilation run time, and either open or close the motorized damper(s) for compliance with §150.0(o)1C.
150.0(o)1C:	Whole-Dwelling Unit Mechanical Ventilation for Single-Family Detached and townhouses . Single-family detached dwelling units, and attached dwelling units not sharing ceilings or floors with other dwelling units, occupiable spaces, public garages, or commercial spaces must have mechanical ventilation airflow specified in § 150.0(o)1Ci-iii.
150.0(o)1G:	Local Mechanical Exhaust. Kitchens and bathrooms must have local mechanical exhaust; nonenclosed kitchens must have demand- controlled exhaust system meeting requirements of §150.0(o)1Giii,enclosed kitchens and bathrooms can use demand-controlled or continuous exhaust meeting §150.0(o)1Giii-iv. Airflow must be measured by the installer per §150.0(o)1Gv, and rated for sound per §150.0(o)1Gvi. *
150.0(o)1H&I:	Airflow Measurement and Sound Ratings of Whole-Dwelling Unit Ventilation Systems. The airflow required per § 150.0(o)1C must be measured by using a flow hood, flow grid, or other airflow measuring device at the fan's inlet or outlet terminals/grilles per Reference Residential Appendix RA3.7. Whole-Dwelling unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less than the minimum airflow rate required by § 150.0(o)1C.
150.0(o)2:	Field Verification and Diagnostic Testing. Whole-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating, and HRV and ERV fan efficacy must be verified in accordance with Reference Residential Appendix RA3.7. Vented range hoods must be verified per Reference Residential Appendix RA3.7.4.3 to confirm if it is rated by HVI or AHAM to comply with the airflow rates and sound requirements per §150.0(o)1G
and Spa Sys	tems and Equipment:
110.4(a):	Certification by Manufacturers. Any pool or spa heating system or equipment must be certified to have all of the following: compliance with the Appliance Efficiency Regulations and listing in MAEDbS; an on-off switch mounted outside of the heater that allows shutting off the heater without adjusting the thermostat setting; a permanent weatherproof plate or card with operating instructions; and must not use electric resistance heating.*
110.4(b)1:	Piping. Any pool or spa heating system or equipment must be installed with at least 36 inches of pipe between the filter and the heater, or dedicated suction and return lines, or built-in or built-up connections to allow for future solar heating.
110.4(b)2:	Covers. Outdoor pools or spas that have a heat pump or gas heater must have a cover.
110.4(b)3:	Directional Inlets and Time Switches for Pools. Pools must have directional inlets that adequately mix the pool water, and a time switch that will allow all pumps to be set or programmed to run only during off-peak electric demand periods.
110.5:	Pilot Light. Natural gas pool and spa heaters must not have a continuously burning pilot light.
150.0(p):	Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump sizing, flow rate, piping, filters, and valves.
nting:	
110.9:	Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable requirements of § 110.9.*
150.0(k)1A:	Luminaire Efficacy. All installed luminaires must meet the requirements in Table 150.0-A, except lighting integral to exhaust fans, kitchen range hoods, bath vanity mirrors, and garage door openers; navigation lighting less than 5 watts; and lighting internal to drawers, cabinets, and line closets with an efficacy of at least 45 lumens per watt.
50.0(k)1B:	Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8.*
150.0(k)1C:	Recessed Downlight Luminaires in Ceilings. Luminaires recessed into ceilings must not contain screw based sockets, must be airtight, and must be sealed with a gasket or caulk. California Electrical Code § 410.116 must also be met.
150.0(k)1D:	Light Sources in Enclosed or Recessed Luminaires. Lamps and other separable light sources that are not compliant with the JA8 elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires.
150.0(k)1E:	Blank Electrical Boxes. The number of electrical boxes that are more than five feet above the finished floor and do not contain a luminaire or other device shall be no more than the number of bedrooms. These boxes must be served by a dimmer, vacancy sensor control, low voltage wiring, or fan speed control.
150.0(k)1F:	Lighting Integral to Exhaust Fans. Lighting integral to exhaust fans (except when installed by the manufacturer in kitchen exhaust hoods) must meet the applicable requirements of § 150.0(k).

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

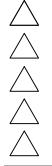
FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE. WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH



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revisions



description

Energy Calculations

date	October 2023
project no.	Riverside ADU
drawn by	design path studio
sheet no. 🗕	

I HALF RECENTED	
§ 150.0(k)1G:	Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8. *
§ 150.0(k)1H:	Light Sources in Enclosed or Recessed Luminaires. Lamps and other separable light sources that are not compliant with the JA8 elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires.
§ 150.0(k)11:	Light Sources in Drawers, Cabinets, and Linen Closets. Light sources internal to drawers, cabinetry or linen closets are not requirer to comply with Table 150.0-A or be controlled by vacancy sensors provided that they are rated to consume no more than 5 watts of power, emit no more than 150 lumens, and are equipped with controls that automatically turn the lighting off when the drawer, cabinet of linen closet is closed.
§ 150.0(k)2A:	Interior Switches and Controls. All forward phase cut dimmers used with LED light sources must comply with NEMA SSL 7A.
§ 150.0(k)2B:	Interior Switches and Controls. Exhaust fans must be controlled separately from lighting systems.*
§ 150.0(k)2A:	Accessible Controls. Lighting must have readily accessible wall-mounted controls that allow the lighting to be manually turned on and off.*
§ 150.0(k)2B:	Multiple Controls. Controls must not bypass a dimmer, occupant sensor, or vacancy sensor function if the dimmer or sensor is installe to comply with § 150.0(k).
§ 150.0(k)2C:	Mandatory Requirements. Lighting controls must comply with the applicable requirements of § 110.9.
§ 150.0(k)2D:	Energy Management Control Systems. An energy management control system (EMCS) may be used to comply with dimming, occupancy, and control requirements if it provides the functionality of the specified control per § 110.9 and the physical controls specified in § 150.0(k)2A.
§ 150.0(k)2E:	Automatic Shutoff Controls. In bathrooms, garages, laundry rooms, utility rooms and walk-in closets, at least one installed luminaire must be controlled by an occupancy or vacancy sensor providing automatic-off functionality. Lighting inside drawers and cabinets with opaque fronts or doors must have controls that turn the light off when the drawer or door is closed.
§ 150.0(k)2F:	Dimmers. Lighting in habitable spaces (e.g., living rooms, dining rooms, kitchens, and bedrooms) must have readily accessible wall- mounted dimming controls that allow the lighting to be manually adjusted up and down. Forward phase cut dimmers controlling LED lig sources in these spaces must comply with NEMA SSL 7A.
§ 150.0(k)2K:	Independent controls. Integrated lighting of exhaust fans shall be controlled independently from the fans. Lighting under cabinets or shelves, lighting in display cabinets, and switched outlets must be controlled separately from ceiling-installed lighting.
§ 150.0(k)3A:	Residential Outdoor Lighting. For single-family residential buildings, outdoor lighting permanently mounted to a residential building, o other buildings on the same lot, must have a manual on/off switch and either a photocell and motion sensor or automatic time switch control) or an astronomical time clock. An energy management control system that provides the specified control functionality and meel applicable requirements may be used to meet these requirements.
§ 150.0(k)4:	Internally illuminated address signs. Internally illuminated address signs must either comply with § 140.8 or consume no more than 5 watts of power.
§ 150.0(k)5:	Residential Garages for Eight or More Vehicles. Lighting for residential parking garages for eight or more vehicles must comply with 1 applicable requirements for nonresidential garages in §§ 110.9, 130.0, 130.1, 130.4, 140.6, and 141.0.
olar Readiness:	
§ 110.10(a)1:	Single-family Residences. Single-family residences located in subdivisions with 10 or more single-family residences and where the application for a tentative subdivision map for the residences has been deemed complete and approved by the enforcement agency, which do not have a photovoltaic system installed, must comply with the requirements of § 110.10(b)-(a).
§110.10(b)1A:	Minimum Solar Zone Area. The solar zone must have a minimum total area as described below. The solar zone must comply with access, pathway, smoke ventilation, and spacing requirements as specified in Title 24, Part 9 or other parts of Title 24 or in any requirements adopted by a local jurisdiction. The solar zone total area must be comprised of areas that have no dimension less than 5 feet and are no less than 80 square feet each for buildings with roof areas less than or equal to 10,000 square feet or no less than 160 square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be located on the roof or overhang of the building and have a total area no less than 250 square feet. *
§ 110.10(b)2:	Azimuth. All sections of the solar zone located on steep-sloped roofs must have an azimuth between 90-300° of true north.
§ 110.10(b)3A:	Shading. The solar zone must not contain any obstructions, including but not limited to: vents, chimneys, architectural features, and root mounted equipment.
§ 110.10(b)3B:	Shading. Any obstruction located on the roof or any other part of the building that projects above a solar zone must be located at least twice the horizontal distance of the height difference between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone, measured in the vertical plane.
§ 110.10(b)4:	Structural Design Loads on Construction Documents. For areas of the roof designated as a solar zone, the structural design loads for roof dead load and roof live load must be clearly indicated on the construction documents.
§ 110.10(c):	Interconnection Pathways. The construction documents must indicate: a location reserved for inverters and metering equipment and pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service; and for single-famili residences and central water-heating systems, a pathway reserved for routing plumbing from the solar zone to the water-heating system Documentation. A copy of the construction documents or a comparable document indicating the information from § 110.10(b)-(c) must
§ 110.10(d):	provided to the occupant.
§ 110.10(e)1:	Main Electrical Service Panel. The main electrical service panel must have a minimum busbar rating of 200 amps.
§ 110.10(e)2:	Main Electrical Service Panel. The main electrical service panel must have a reserved space to allow for the installation of a double por circuit breaker for a future solar electric installation. The reserved space must be permanently marked as "For Future Solar Electric."

5/6/22

@	2022 Single-Family Residential Mandatory Requirements Summary
§ 150.0(s)	Energy Storage System (ESS) Ready. All single-family residences must meet all of the following: Either ESS-ready interconnection equipment with backed up capacity of 60 amps or more and four or more ESS supplied branch circuits, <u>or</u> a dedicated raceway from the main service to a subpanel that supplies the branch circuits in § 150.0(s); at least four branch circuits must be identified and have their source collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit near the primary exit, and one circuit supplying a sleeping room receptade outlet, main panelboard must have a minimum busbar rating of 225 amps; sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 3' of the main panelboard, with raceways installed between the panelboard and the switch location to allow the connection of backup power source.
§ 150.0(t)	Heat Pump Space Heater Ready. Systems using gas or propane furnaces to serve individual dwelling units must include: A dedicated unobstructed 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cover identified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."
§ 150.0(u)	Electric Cooktop Ready. Systems using gas or propane cooktop to serve individual dwelling units must include: A dedicated unobstructed 240V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at least 50 amps with the blank cover identified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."
§ 150.0(v)	Electric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbing to serve individual dwelling units must include: A dedicated unobstructed 240V branch circuit wiring installed within 3' of the dryer location with circuit conductors rated at least 30 amps with the blank cover identified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."

*Exceptions may apply.

Project Name 1,020sf 2 Bedroom - Rive System Name Mini Split	erside ADU					Floor	/4/2023 Area 1.020
ENGINEERING CHECKS		SYSTEM LOAD					1,020
Number of Systems	1		COII	COOLING P	FAK	COIL H.	TG. PEAK
Heating System		-	CFM	Sensible	Latent	CFM	Sensible
Output per System	12,800	Total Room Loads	475		314	316	12.2
Total Output (Btuh)	12.800	Return Vented Lighting		0			
Output (Btuh/sqft)	12.5	Return Air Ducts		0			
Cooling System		Return Fan		0			
Output per System	12.300	Ventilation	0	0	0	0	
Total Output (Btuh)	12.300	Supply Fan		0		_	
Total Output (Tons)	1.0	Supply Air Ducts		0			
Total Output (Btuh/sqft)	12.1	Suppy An Ducis					
Total Output (Brun/sqft)	995.1	TOTAL SYSTEM LOAD		9,947	314		12,2
Air System		TOTAL STSTEM LOAD		0,041	÷14		- stojilo
	300	HVAC EQUIPMENT SELECTION					
CFM per System	300	Minisplit		9,118	1,986		8,2
Airflow (cfm)	0.29	Minispit		0,110	1,000	-	0,2
Airflow (cfm/sqft)	292.7					-	
Airflow (cfm/Ton)	0.0%			9,118	1,986	-	8,2
Outside Air (%)	0.0%	Total Adjusted System Output (Adjusted for Peak Design conditions)		3,110	1,000	L	0,2
Outside Air (cfm/sqft)					Aug 3 PM		Jan 1 A
Note: values above given at ARI HEATING SYSTEM PSYCHR		TIME OF SYSTEM PEAK (Airstream Temperatures at Time of	f Heating	Peak)	, ag 0 1		out tr
27 °F 68 °F Outside Air 0 cfm Supply Far 300 cfm	68 °F	105 °F	→ <u> </u>		RC	DOM	05 °F
COOLING SYSTEM PSYCHR 100 / 69 °F 75 / 6		(Airstream Temperatures at Time o 5 / 62 °F 55 / 54 °F	of Cooling	Peak)			
Outside Air 0 cfm Supply Fan Cooling Coil 300 cfm Coil			→	47.99	6 RC	55 DOM	↓ / 54 ºF
75 / 62 ºF						75	/ 62 °F

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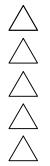
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^{sheet no.} T24.3				