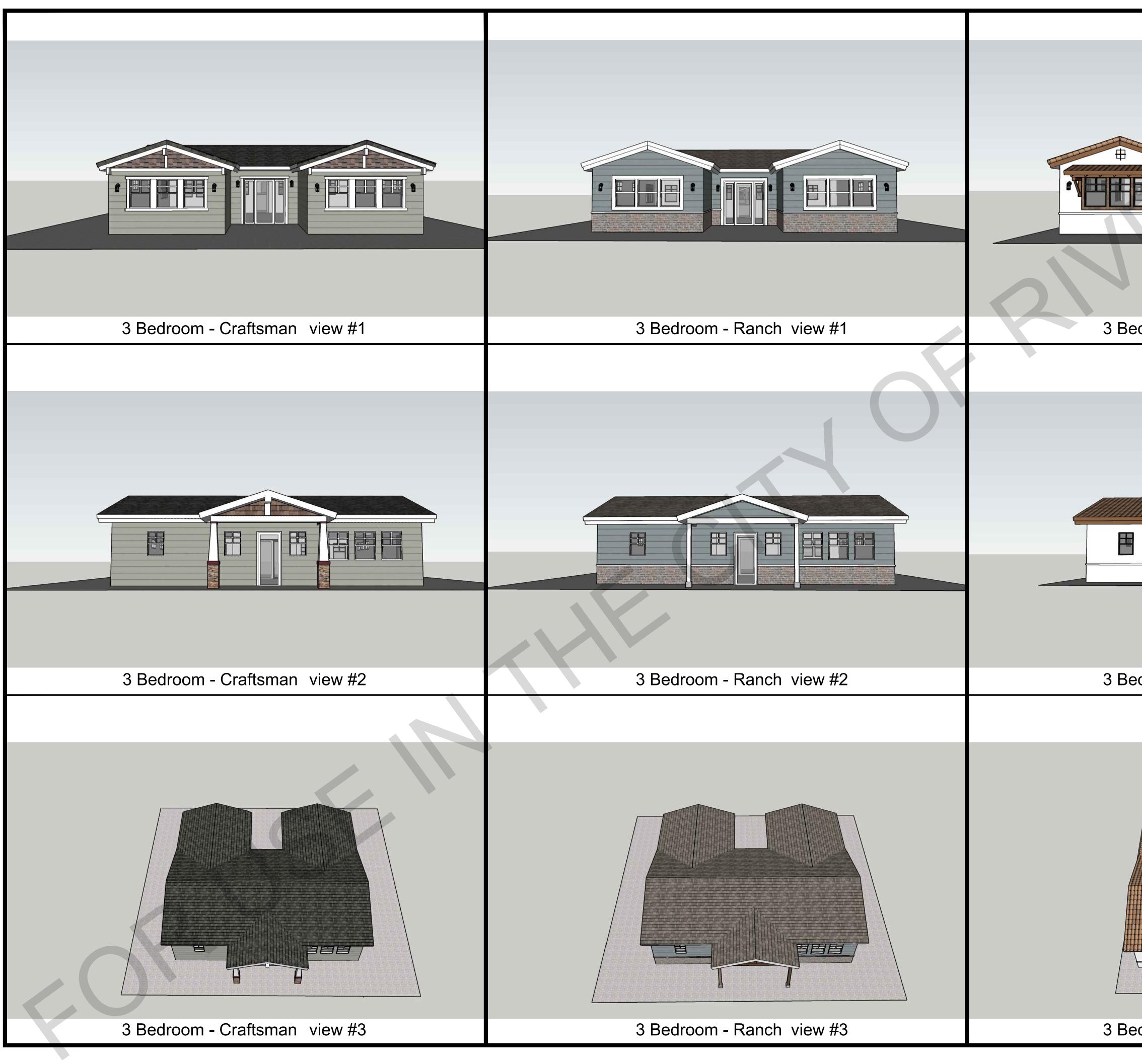
APPLICANT AGREEMENT				HERS NOTES	
APPLICANT AGREES TO PROVIDE ALL NECESSARY INFORMATION REQUIRED TO COMPLETE THESE CONSTRUCTION DOCUMENTS. MODIFICATIONS TO THE PERMIT READY DOCUMENTS PROVIDED BY DESIGN PATH STUDIO ARE TO BE DISCLOSED BY THE APPLICANT AND APPROVED BY THE AUTHORITY HAVING JURISDICTION. ANY MODIFICATIONS TO THESE CONSTRUCTION DOCUMENTS REQUIRES EACH SHEET TO BE SIGNED BY THE PERSON WHO MADE THE CHANGES. ANY ADDITIONAL SHEETS INCORPORATED INTO THESE DOCUMENTS ALSO REQUIRES A SIGNATURE BY THE PERSON WHO PREPARED THE INFORMATION. THE FOUNDATION DESIGN FOR THESE PERMIT READY CONSTRUCTION DOCUMENTS ASSUMES STANDARD SOLS CONDITIONS AND LEVEL TOPOGRAPHY. IF SITE SPECIFIC CONDITIONS REQUIRE A FOUNDATION DESIGN BEYOND WHAT IS PROVIDED IN THESE DOCUMENTS THE APPLICANT IS TO PROVIDE A NEW FOUNDATION DESIGN WHICH COMPLIES WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER'S REPORT. BY SIGNING BELOW THE APPLICANT AGREES TO THE STATEMENT ABOVE AND WILL COMPLY WITH ALL LOCAL CODE REQUIREMENTS.	3	cessory Dwelling Un Bedroom - 1200 s.f ty of Riverside, CA		 PROPERLY COMPLETED AND ELECTRONICALLY SIGNED CERTIFICATE OF INSTALLATION (CF2R FORMS) SHALL BE POSTED WEATHER PROTECTED WITHIN BUILDING FOR REVIEW BY INSPECTORS – EES 10-103(d)3, 10-103(b)1.A – BY THE INSTALLING CONTRACTOR AND SUBMITTED TO THE FIELD INSPECTOR DURING CONSTRUCTION AT THE SITE. FOR PROJECTS REQUIRING HERS VERIFICATION, THE CF2R FORMS SHALL BE REGISTERED WITH A CALIFORNIA APPROVED HERS PROVIDER DATA REGISTRY WITH ITS OWN UNIQUE 21 DIGIT REGISTRATION NUMBER LOCATED AT THE BOTTOM OF EACH PAGE. THE FIRST 12 DIGITS WILL MATCH THE REGISTRATION NUMBER ASSOCIATED WITH THE CF2R FORMS ARE REVIEWED AND APPROVED. PROPERLY COMPLETED & ELECTRONICALLY SIGNED AND REGISTERED CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE CF2R FORMS ARE REVIEWED AND APPROVED. PROPERLY COMPLETED & ELECTRONICALLY SIGNED AND REGISTERED CERTIFICATE (S) OF FIELD VERIFICATION AND DIAGNOSTIC TESTING (CF3R) SHALL BE POSTED WEATHER PROTECTED WITHIN THE BUILDING SITE BY A CERTIFIED HERS RATER. A REGISTERED CF3R WILL HAVE A UNIQUE 25 DIGIT REGISTRATION NUMBER LOCATED AT THE BOTTOM OF EACH PAGE. THE FIRST 20 DIGITS OF THE NUMBER WILL MATCH THE REGISTRATION NUMBER ASSOCIATED WITH THE CF2R. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE CF3R IS REVIEWED AND APPROVED. EES 10-103(a)3, 10-103(b)1.A. CF1R REGISTRATION FORMS ARE LOCATED ON THE PLANS. IF REGISTRATION IS REQUIRED, A WATER-MARK AND REGISTRATION NUMBER WILL BE VISIBLE. 	PATH STUDI engineering + planni PATHSTUDIO.COM
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x SELECTION(S) Image: City Standard Adu PLANS ARE NOT APPLICABLE TO BUILDINGS IN THE FLOOD HAZARD AREA. ALCENSED PROFESSIONAL SHOULD BE CONSULTED FOR A SITE-SPECIFIC DESIGN. Image: City Standard Datu PLANS ARE NOT APPLICABLE TO BUILDINGS IN THE FLOOD HAZARD AREA. ALCENSED PROFESSIONAL SHOULD BE CONSULTED FOR A SITE-SPECIFIC DESIGN. Image: City Standard Datu PLANS ARE NOT APPLICABLE TO BUILDINGS IN THE FLOOD HAZARD AREA. ALCENSED PROFESSIONAL SHOULD BE CONSULTED FOR A SITE-SPECIFIC CITY STANDARD ADU PLANS ARE NOT APPLICABLE. A CULTURAL RESOURCES OVERLAY ZONE. NOTE: CITY STANDARD ADU PLANS ARE NOT APPLICABLE. A LICENSED PROFESSIONAL SHOULD BE CONSULTED FOR A SITE-SPECIFIC DESIGN. Image: City Standard Datu PLANS ARE TO BUILDING SI IN A CULTURAL RESOURCES OVERLAY ZONE. NOTE: CITY STANDARD ADU PLANS ARE NOT APPLICABLE. A LICENSED PROFESSIONAL SHOULD BE CONSULTED FOR A SITE-SPECIFIC DESIGN. Image: City Standard Datu PLANS ARE NOT A ASSESSMENT NOTE: A TRAIL EASEMENT SHALL BE DEDICATED PRIOR TO CERTIFICATE OF OCCUPANCY FOR ADUS THAT ARE 750 SF OR LARGER AND LOCATED ADJACENT TO A TRAIL CORRIDOR X SELECTION(S) Image: City Standard Datu PLANS ARE TO BUILDING SIN THE FLOOD FAVES ARE LESS THAN ST THAN ST FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3 FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3 FT FROM PROPERTY LINE IN SPRINKLERED BUILDING OR LESS THAN 3 FT FROM PROPERTY LINE IN SPRINKLERED BUILDING OR LESS THAN 3 FT FROM PROPERTY LINE IN SPRINKLERED BUILDING OR LESS THAN 3 FT FROM PROPERTY LINE IN SPRINKLERED BUILDING OR LESS THAN 3 FT FROM THE MAN UNSPRINKLERED BUILDING OR LESS THAN 3 FT FROM THE MAN UNSPRINKLERED BUILDING OR LESS THAN 3 FT FROM THE MAN UNSPRINKLERED BUILDING OR LESS THAN 3 F	<form></form>	<form></form>	X SELECTION (SEE SHEET T1.2 FOR EXTERIOR RENDERING) GRAFTSMAN RANCH SPANISH	X SELECTION ROOFING MATERIAL MUST MEET CLASS A ROOF COLOR OF PRINCIPAL DWELLING UNIT (ROOF COLOR OF ADU IS TO MATCH PRINCIPAL DWELLING UNIT TRIM COLOR OF PRINCIPAL DWELLING TRIM COLOR OF PRINCIPAL DWELLING UNIT CONCRETE TILE ROOF CONCRETE TILE ROOF COLOR OF CONCRETE TILE ROOF COLOR OF CONCRETE TILE ROOF COLOR OF ADDE SHINGLE - CERTAINTEED - ICC-ES ESR-3537 MINIMUM 2:12:00F SLOPE. COLOR OF ARCHITECTURAL GRADE SHINGLES OTHER ROOF MATERIAL / COLOR / ICC / UL: PROPERTIES LOCATED IN VHEHSZ OR WUI ZONES ARE TO USE WUI COMPLIANT SPECIFICATION APPLICANT IS TO PROVIDE WUI COMPLIANT INFORMATION IF DIFFERENT THAN LISTING ON SHEET G0.3 WINDOW COLOR OF PRINCIPAL DWELLING UNIT WINDOW COLOR OF PRINCIPAL DWELLING UNIT WHITE TAN DARK BRONZE OTHER WINDOW COLOR X SELECTION WHITE TAN DARK BRONZE OTHER WINDOW COLOR_COLOR SELECTION WHITE TAN DARK BRONZE SELECTION	projectCity of RiversidePre-ApprovedADU ProgramrevisionsAA <t< td=""></t<>
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3900 Main Street, 3rd Floor • Riverside, CA 92522 951.826.5800 RiversideCA.gov/Building

fice Hours M-F: 8:00 AM -4:30 PM | Wednesdays 9:00 AM TO 4:30 PM

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	INCORPOR DESIGN?* *If No, provide Acoustical and 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		
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.			
Interior wall finish: 5/8" min. gyp-board/plaster.	X Yes		
EXTERIOR WINDOWS	1		
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.			
Access doors from attached garage to residence interior: STC 30 dB min. N/A			

Page 1 2

Niverside Bolicing & Sciency Division
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
 Attic ventilation: 1. Gable vents or vents that penetrate the roof w/ 6' min. transfer ducts that are or metal ducts w/ 1" fiberglass sound absorbing duct liner must have a 90-deg 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 laminated glass secondary openable glazing panel: 1. Mounted at the ceiling line, and 2. 4" min. between panels. Size not to exceed 20% of roof area of room.
VENTILATION
Ventilation system: Fresh air supply min. 2 air exchanges without opening to the exteri must be insulated flexible glass fiber ducting (10' min) between any two points of conr
Kitchen cooktop vent hoods: Non-ducted recirculating type with no ducted connection
FIREPLACES
Each fireplace: Provide a damper at the top of the chimney and glass doors at firebox
WALL AND CEILING OPENINGS
Openings in the shell (access panels, pet doors, mail delivery drops, air-conditioning) a designed to maintain the 45 dB CNEL (or less) standard.
ADDITIONAL COMMENTS
Before the approval of a building permit, the applicant shall demonstrate compliance v noise level to 45 dBA or less by one of the following methods:
Provision of an acoustical analysis report prepared by an acoustical engineer or firm an

3900 Main Street, 3rd Floor • Riverside, CA 92522

951.826.5800

RiversideCA.gov/Building

I-F: 8:00 AM -4:30 PM | Wednesdays 9:00 AM TO 4:30 PM

Community & Economic

Development Department

Building & Safety Division

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

(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

(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

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

SURFACE FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND M THE IMPOSED LOADS OF FIRE APPARATUS NOT LESS THAN 80,000 LBS AN WITH AN APPROVED PACED SURFACE TO PROVIDE ALL-WEATHER DRIVIN 2. ALL FIRE APPARATUS ROADS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED VERTICAL • GATED ENTRANCES WITH CARD READERS, GUARD STATIONS OR CENTER HAVE SEPARATED LANES OF ONE-WAY TRAFFIC, SHALL BE NOT LESS T 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.

CLEARANCE OF NO LESS THAN 13 FEET 6 INCHES.

- 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 9. 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 WALLS, SLOPES OR OTHER PHYSICAL BARR DRAINS OR SWALES SHALL BE CONSTRUCTE IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED NOT LESS THAN 2 PERCENT AWAY FROM THE BUILDING. [CRC R401.3]

3.

SELF-LATCHING AND CAN ACCOMMODATE A KEY LOCKABLE DEVICE.

ACCESS TO THE SWIMMING POOL OR SPA.

FROM EXISTING STRUCTURES, AND FUEL MODIFICATION ZONE

WALL AND PROJECTION SEPARATION REQUIREMENTS TO PROPERTY LINES AND ADJACENT BUILDINGS

	│ ││ ││ ││ ││ │ │ │ │ │ │ │ │ │ │ │ │	'```'		reduced to 0 hours on the unde overhang if fireblocking is provided		÷	— Fire Separation Distance measured from:
ROOF/CEILING CO	NSTRUCTION			plate to the underside of the Alternate attic venting locations	ne roof sheathing.		Interior lot line
Roof rafters: slope c	f 4:12 min. w/ 1/2" solid sheathing and roofing.	Yes 🗌 No		Alternate actic venting locations	may be required.		OR Centerline of a street, alley,
Attic Insulation (bat Attic ventilation:	or blow-in glass fiber or mineral wool): R-30 min. between ceiling joists.	X Yes No				FSD: Distance	or public way OR
 Gable vents or metal du of sight from 	or vents that penetrate the roof w/ 6' min. transfer ducts that are insulating flexible ducting cts w/ 1" fiberglass sound absorbing duct liner must have a 90-degree bend w/ no direct line n the exterior, or ol louver vents, or	X Yes No				from projection to property line	An imaginary line between two buildings on the lot
3. Eave vents	n wallboard/plaster and mounted on resilient channel.	X Yes No					
Skylights: Completel	y enclosed light well from the roof opening to the ceiling opening w/ min. 3/16" plastic or					r I	
1. Mounted a	ndary openable glazing panel: N/A : the ceiling line, and N/A ween panels. Size not to exceed 20% of roof area of room.				−		— When the FSD is less than the amounts specified in Table R302.1(1) or R302.1(2).
Ventilation system:	resh air supply min. 2 air exchanges without opening to the exterior. All concealed ductwork	X Yes No					walls are required to be rated, opening sizes may be limited, projections may
	exible glass fiber ducting (10' min) between any two points of connection. t hoods: Non-ducted recirculating type with no ducted connection to the exterior.			quirement of "testing to be done –	i	– FSD: Distance ––––	require fire ratings, and penetrations
FIREPLACES				th exposure from both sides" will re specific finishes and methods to		from face of wall to	require special treatment.
Each fireplace: Provi	de a damper at the top of the chimney and glass doors at firebox N/A		be	used on both inside and outside of vall construction per the applicable		property line	
WALL AND CEILIN	G OPENINGS I (access panels, pet doors, mail delivery drops, air-conditioning) are prohibited unless		they	wall assembly detail or listing.			
designed to maintai	n the 45 dB CNEL (or less) standard. MENTS	Yes No					 Foundation vents complying with code are allowed in any condition. They don't count
noise level to 45 dB/	of a building permit, the applicant shall demonstrate compliance with the municipal code to r or less by one of the following methods:						toward the area of openings.
noise attenuation m	stical analysis report prepared by an acoustical engineer or firm and recommendations for easures to be applied. rior walls in compliance with City of Riverside Noise Insulation construction requirement per	Yes No			·		
the requirements of		Yes No					
	ject owner or authorized agent, I have read and understood the requirements listed a vith these requirements.	bove, and I certify	NON-SPF	NOTE: NOT ALL ELEVATIONS IN THE RINKLERED BUILDING AND THEREFO IMUM10' TO ADJACENT BUILDINGS (ORE A MINIMUM SEPA	RATION OF 5' TO THE PRO	
Owner or Authoriz	ed Agent Printed Name Owner or Authorized Agent Signatu	re		OF UNSPRINKLERED BUILDINGS BET UCTION AND HAVE A MAXIMUM OF 2			
		Page 2 2		OF UNSPRINKLERED BUILDINGS CLC UCTION AND HAVE NO OPENING. [C		PROPERTY LINES SHALL	BE ONE-HOUR RATED
			IF THEY	TIONS, INCLUDING EAVES, SHALL BE PROJECT INTO THE 3/5 FOOT (SPRIN DJECT A MAXIMUM OF 12 INCHES BE	NKLERED /UNSPRINKL	ERED) SETBACK AREA FF	ROM THE PROPERTY LINE. THEY
			EXCEPTI			·	
	IT SHALL PROVIDE A DIMENSIONED AND SCALED SITE PLAN SHOW						
	DS, DIMENSIONED SETBACKS, EASEMENTS, UTILITIES, STREETS, E						
FROM EXISTING	PROPOSED BUILDINGS, MINIMUM SEPARATION STRUCTURES, AND FUEL MODIFICATION ZONES IF APPLICABLE. SE	EE EXAMPLE SITE					
	PLAN IN THIS SET FOR REFERENCE						
		•					
	IT SHALL IMPLEMENT SITE DESIGN STORMWATER BEST MANAGEMI / IMPACT DEVELOPMENT (LID) CONCEPTS SUCH AS IMPERVIOUS AF						
DRAINAGE T	O NATURAL VEGETATION, REDUCTION IN IMPERVIOUS SURFACES, REA, ETC. APPLICANT IS REQUIRED TO INCORPORATE THESE CONC	BREAKING UP					
	CONSTRUCTION						
ALL SE	PTIC SYSTEMS SHALL COMPLY WITH THE RIVERSIDE EHS LAMP STA	ANDARDS					
		EVIS.		IAT HAVE EASEMENTS ACCESS ROAD	WAYS LESS THAN 20		URITY GATES: AN AUTOMATIC GATE ACROSS A FI
	VIDE DIMENSIONS SHOWING REQUIRED FIRE APPARATUS ACCESS RO AYS SHALL HAVE AN UNOBSTRUCTED IMPROVED WIDTH OF NOT LESS	DADS. PROV	/IDE PRIMARY ACCE	SS TO OTHER LOTS SHALL RECORD	A COVENANT GRANTIN	G EASEMENT EQU	IPPED WITH AN APPROVED EMERGENCY KEY-OPI
V 20 FEET. ACCESS ROADWA		TO B	UILD ANY BUILDING,	Y VEHICLE INGRESS AND EGRESS PU WALL, FENCE, OR OTHER STRUCTUR		HE EXISTING SWI	CTIONS AND OPENING THE GATE. WHERE THIS SE TCH.AN INFRARED AUTOMATIC GATE SYSTEM IS F
ACE FIRE APPAR	ATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPF	PORT • ALL [ARATUS ACCESS ROADWAY IN EXCES		GTH SHALL BE	RSIDE ONLY REQUIRES ONE KEY SWITCH AS FIR
AN APPROVED P	OF FIRE APPARATUS NOT LESS THAN 80,000 LBS AND SHALL BE PROVI ACED SURFACE TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.	SER		PROVED AREA FOR TURNING AROUNI FOUR DWELLING UNITS SHALL BE PF			
	TH CARD READERS, GUARD STATIONS OR CENTER MEDIANS, WHICH IES OF ONE-WAY TRAFFIC, SHALL BE NOT LESS THAN 12 FEET WIDE P			D PAVED RADIUS WIDTH FOR A CUL-I KING. ALTERNATE TYPES OF TURN-A			
		CON	SIDERED BY THE FIR	E MARSHAL AS NEEDED TO ACCOMP	PLISH THE INTENT OF T	HE FIRE CODE.	
	DIVISION 2 - SITEWORK						
ONS	1. SITE PREPARATION PROJECT IS TO BE STAKED OUT FOR OWNER APPROVAL BEFOR						
ING. IALL	2. SITE CLEARING						
	CONTRACTOR WILL VERIFY WITH OWNER ALL PLANTING TO BE I STARTING WORK.	REMOVED PRIOR TO)				
AND	3. LINES AND LEVELS THE CONTRACTOR WILL VISIT THE SITE AND EVALUATE GRADE		DING				
N	PURPOSES, THE CONTRACTOR WILL CALCULATE HIS OWN CUT						
	ON THE SITE PLAN.						
	4. SHORING IS TO BE PROVIDE AS REQUIRED						
E THE NT	5. EARTH WORK a. ALL GRADING SHOULD BE PERFORMED IN ACCORDANCE WIT	H THE CITY OF CITY	OF RIVERSIDE				
	GRADING ORDINANCE b. THE CONTRACTOR IS TO VERIFY THE LOCATION OF UTILITY S	ERVICE IN THE ARE	A PRIOR TO				
	EXCAVATION. c. THE GRADE SHALL FALL NOT FEWER THAN 6 INCHES WITHIN T						
	WALLS, SLOPES OR OTHER PHYSICAL BARRIERS PROHIBIT 6 INC DRAINS OR SWALES SHALL BE CONSTRUCTED TO ENSURE DRA	CHES OF FALL WITH	IN 10 FEET,				
	IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUR						

The fire-resistance rating shall be permitted to be

		TABLE R302.1(1) EXTERIOR WALLS		
EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE	
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	
Projections	Not allowed	NA	< 2 feet	
	Fire- resistance rated	1 hour on the underside, or heavy timber, or fire- retardant-treated wood ^{a, b}	≥ 2 feet to < 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	
		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	
Walls	Fire- resistance rated 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	0 hours	3 feetª	
	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	
Bernetinst	×0	Comply with Section R302.4	< 3 feet	
Penetrations	All	None required	3 feet ^a	

A FIRE ACCESS ROADWAY OR DRIVEWAY SHALL BE -OPERATED SWITCH OVERRIDING ALL COMMAND IS 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:

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 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 FRRORS, 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 INDEMNIEY 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

CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

City of Riverside Pre-Approved

ADU Program

revisions



description Site

drawn by

Informatior

date October 2023 project no. Riverside ADU

DESIGN PATH STUDIO

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

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]

INDICATE DISTANCE OF STRUCTURE TO ADJACENT SLOPES. THE PLACEMENT OF BUILDINGS AND

EQUALLY EFFICIENT APPROVED MECHANICAL DEVICES. [CPC 710.2]

INDICATE DESIGN FLOOD ELEVATION, AND FINISH FLOOR ELEVATION.

SYSTEM PER NEC ARTICLE 250.32

PROPOSED SITE PLAN 1/16" = 1'-0"

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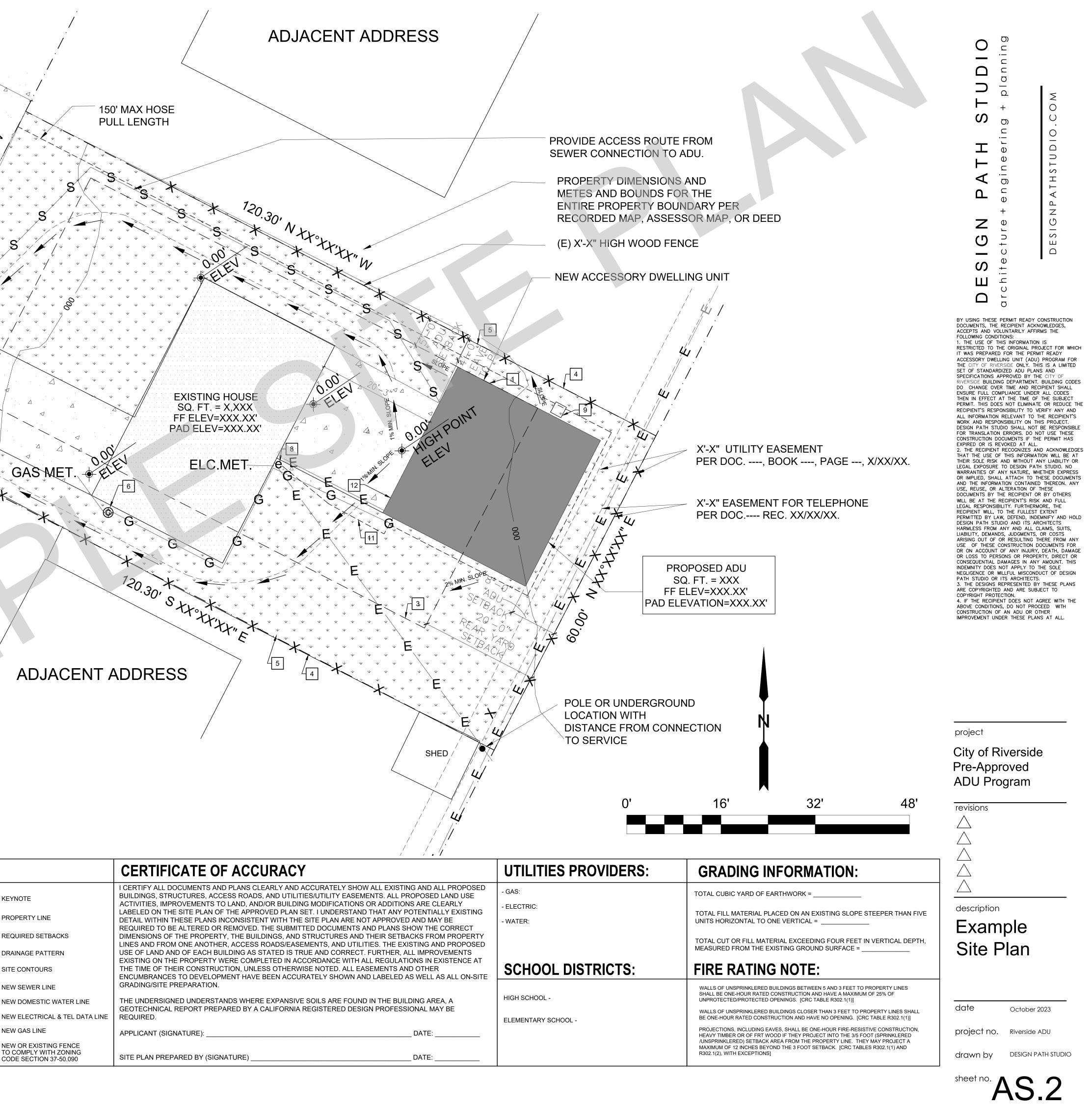
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GENERAL NOTES KEYNOTES LEGEND 1 LINE OF EXTERIOR WALL, TYP. SPOT DIMENSIONS INDICATE ESTIMATED 1 GRADE HEIGHTS. VERIFY IN FIELD PRIOR TO KEYN 2 LINE OF ROOF OVERHANG / CONSTRUCTION. DECK / AWNING / STRUCTURE ABOVE SPOT GRADE ELEVATION SEE BUILDING PLANS FOR ALL OTHER ____ · ____ · ___ PROP 3 REQUIRED SETBACKS DIMENSIONS AND NOTES NOT SHOWN. AREA OF NEW SEE BUILDING PLANS AND SCHEDULES FOR 4 PROPERTY LINE, TYP. **BUILDING FOOTPRINT** ALL EXTERIOR DOOR AND WINDOW ____ REQUI REFERENCES AND LOCATIONS. 5 FENCE- HEIGHT PER PLAN YARD SETBACKS ARE TO BE MEASURED DRAIN 6 EXISTING GAS METER FROM THE EXTERIOR WALL FINISH TO THE AREA OF EXISTING PROPERTY LINE AND NOT FROM THE 7 EXISTING WATER METER BUILDING FOOTPRINT SITE C OUTSIDE OF THE FOOTING (OR FACE OF -000-8 MAIN PANELBOARD LOCATION SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS STUDS). SEWER DRAIN CLEANOUTS REQUIRED AT 100 — NEW : 9 CONDENSING UNIT FOOT INTERVALS AND CHANGES IN CONCRETE PAVING _____ NEW [**DIRECTION OF 135 DEGREES OR MORE** ____ _₩_ 10 SURFACE WATER IS TO DRAIN AWAY FROM LOAD-BEARING CAPACITY OF 1,500 PSF IS BUILDING. GRADE SHALL FALL A MIN. OF 6" ASSIGNED FOR FOUNDATION WHERE THE —— NEW E ____ _F__ WITHIN THE FIRST 10 FEET FOUNDATION IS EMBEDDED IN LANDSCAPE 11 FEEDER TO EXTEND TO EXISTING PANEL _____ ___ NEW G NON-EXPANISVE NATURAL GROUND. WHERE EXPANISVE SOILS ARE FOUND IN THE 12 NEW ADU SUB PANEL / DISCONNECT / X X NEW C BUILDING AREA, A GEOTECHNICAL REPORT JUNCTION BOX AND GROUNDING ELECTRODE

PREPARED BY A CALIFORNIA REGISTERED

DESIGN PROFESSIONAL MAY BE REQUIRED.



	CERTIFICATE OF ACCURACY	UTILITIES PROV
OTE	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	- GAS:
	ACTIVITIES, IMPROVEMENTS TO LAND, AND/OR BUILDING MODIFICATIONS OR ADDITIONS ARE CLEARLY	- 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	- WATER:
IRED SETBACKS	REQUIRED TO BE ALTERED OR REMOVED. THE SUBMITTED DOCUMENTS AND PLANS SHOW THE CORRECT 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	
IAGE 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	
CONTOURS	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
SEWER LINE	GRADING/SITE PREPARATION.	
DOMESTIC 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 -
ELECTRICAL & TEL DATA LINE	REQUIRED.	ELEMENTARY SCHOOL -
GAS LINE	APPLICANT (SIGNATURE): DATE:	
OR EXISTING FENCE OMPLY 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)

					AJUNES, JIL
Y N/	A RESPON. PARTY	CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL	Y N/A RESPON PARTY	4.303.1.4.1 Residential Lavatory Faucets.	The maximum flow rate of residential lavatory faucets shall The minimum flow rate of residential lavatory faucets shall psi.
		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,		4.303.1.4.2 Lavatory Faucets in Common 4.303.1.4.3 Metering Faucets NOT USE	
		but are not required unless adopted by a city, county, or city and county as specified in Section 101.7. 301.1.1 Additions and alterations. [HCD] The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the		 per minute at 60 psi. Kitchen faucets may ter 	n flow rate of kitchen faucets shall not exceed 1.8 gallons nporarily increase the flow above the maximum rate, but not nd must default to a maximum flow rate of 1.8 gallons per
		specific area of the addition or alteration. The mandatory provision of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section		Note: Where complying faucets are unavaila reduction. 4.303.1.4.5 Pre-rinse spray valves NOT L	ble, aerators or other means may be used to achieve
		4.106.4.3 for application. Note: Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section.		4.303.2 Submeters for multifamily buildings and dwelli buildings NOT USED	
		Note: On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and		4.303.3 Standards for plumbing fixtures and fittings. F accordance with the <i>California Plumbing Code</i> , and shall r 1701.1 of the <i>California Plumbing Code</i> . NOTE: THIS TABLE COMPILES THE DATA IN SECTION	neet the applicable standards referenced in Table
		other important enactment dates. 301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] - NOT USED SECTION 302 MIXED OCCUPANCY BUILDINGS		CONVENIENCE FOR THE USER. TABLE - MAXIMUM FIXTURE WATER FIXTURE TYPE	USE FLOW RATE
		302.1 MIXED OCCUPANCY BUILDINGS NOT USED		SHOWER HEADS (RESIDENTIAL)	1.8 GMP @ 80 PSI
		DIVISION 4.1 PLANNING AND DESIGN		LAVATORY FAUCETS (RESIDENTIAL)	MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI
		ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development BSC California Building Standards Commission		LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS	0.5 GPM @ 60 PSI 1.8 GPM @ 60 PSI
		DSA-SSDivision of the State Architect, Structural SafetyOSHPDOffice of Statewide Health Planning and DevelopmentLRLow Rise		KITCHEN FAUCETS METERING FAUCETS	0.2 GAL/CYCLE
		HR High Rise AA Additions and Alterations N New		WATER CLOSET URINALS	1.28 GAL/FLUSH 0.125 GAL/FLUSH
		CHAPTER 4 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 LANDSO a local water efficient landscape ordinance or the current (Efficient Landscape Ordinance (MWELO), whichever is mo 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.		Title 23, Chapter 2.7, Division 2. MWELO and su	e (MWELO) is located in the <i>California Code Regulations,</i> upporting documents, including water budget calculator, are
		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.		available at: https://www.water.ca.gov/	SERVATION AND RESOURCE
		 4.106 SITE DEVELOPMENT 4.106.1 GENERAL. Preservation and use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, management of storm water drainage and erosion controls shall comply with this section. 		EFFICIENCY 4.406 ENHANCED DURABILITY AND RE	
		4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site.		 4.406.1 RODENT PROOFING. Annular spaces around pi sole/bottom plates at exterior walls shall be protected openings with cement mortar, concrete masonry or agency. 4.408 CONSTRUCTION WASTE REDUCT 	a against the passage of rodents by closing such a similar method acceptable to the enforcing
	1	 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. 		 4.408.1 CONSTRUCTION WASTE MANAGEMENT. Rec percent of the non-hazardous construction and dem 4.408.2, 4.408.3 or 4.408.4, or meet a more stringer management ordinance. Exceptions: 	olition waste in accordance with either Section
]	Note: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in total disturbs one acre or more of soil. (Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html)		 Excavated soil and land-clearing debris. Alternate waste reduction methods developed b recycle facilities capable of compliance with this close to the jobsite. The enforcing agency may make exceptions to the 	item do not exist or are not located reasonably
		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:		jobsites are located in areas beyond the haul be 4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN in conformance with Items 1 through 5. The constru-	oundaries of the diversion facility. N. Submit a construction waste management plan uction waste management plan shall be updated as
		 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 		 necessary and shall be available during construction 1. Identify the construction and demolition waste mareuse on the project or salvage for future use or 2. Specify if construction and demolition waste mareuse 	naterials to be diverted from disposal by recycling, sale.
		recharge. Exception: Additions and alterations not altering the drainage path.		bulk mixed (single stream).3. Identify diversion facilities where the constructio taken.	
	1	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 4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing		 Identify construction methods employed to reduce generated. Specify that the amount of construction and dent by weight or volume, but not by both. 	ce the amount of construction and demolition waste nolition waste materials diverted shall be calculated
		multifamily buildings NOT USED DIVISION 4.2 ENERGY EFFICIENCY		4.408.3 WASTE MANAGEMENT COMPANY. Utilize a we enforcing agency, which can provide verifiable docu demolition waste material diverted from the landfill of	mentation that the percentage of construction and
		 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 the deter materials will be diverted by a waste management of	
]	Commission will continue to adopt mandatory standards. DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION		4.408.4 WASTE STREAM REDUCTION ALTERNATIVE weight of construction and demolition waste dispose lbs./sq.ft. of the building area shall meet the minimu Section 4.408.1	ed of in landfills, which do not exceed 3.4
		 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 ALTER weight of construction and demolition waste dispose per square foot of the building area, shall meet the r requirement in Section 4.408.1	ed of in landfills, which do not exceed 2 pounds
		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 shall be proceeded on the compliance with Section 4.408.2, items 1 through 5, 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 to the Ca (Residential)" located at www.hcd.ca.gov. documenting compliance with this section Mixed construction and demolition debris Department of Resources Recycling and 	/CALGreen.html may be used to assist in (C & D) processors can be located at the California
		 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 4.303.1.3 Showerheads 		4.410 BUILDING MAINTENANCE AND O 4.410.1 OPERATION AND MAINTENANCE MANUAL. A disc, web-based reference or other media acceptab following shall be placed in the building:	PERATION It the time of final inspection, a manual, compact
		 4.303.1.3 Showerheads. 4.303.1.3.1 Single Showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA 		 Directions to the owner or occupant that the mainlife cycle of the structure. Operation and maintenance instructions for the 	
		WaterSense Specification for Showerheads. 4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one		a. Equipment and appliances, including wate photovoltaic systems, electric vehicle cha appliances and equipment.	er-saving devices and systems, HVAC systems, rgers, water-heating systems and other major
		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, including gutters c. Space conditioning systems, including co d. Landscape irrigation systems. e. Water reuse systems. 3. Information from local utility, water and waste re 	ndensers and air filters.
				resource consumption, including recycle program	

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. 5. Educational material on the positive impacts of an interior relative humidity between 30-60 percent and what methods an occupant may use to maintain the relative humidity level in that range. 6. Information about water-conserving landscape and irrigation design and controllers which conserve 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation. 8. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc.
- 9. Information about state solar energy and incentive programs available. 10. A copy of all special inspections verifications required by the enforcing agency or this code.
- 11. Information from the Department of Forestry and Fire Protection on maintenance of defensible space around residential structures. 12. Information and/or drawings identifying the location of grab bar reinforcements.

4.410.2 RECYCLING BY OCCUPANTS. Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waster, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive.

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 this section

DIVISION 4.5 ENVIRONMENTAL QUALITY

SECTION 4.501 GENERAL 4.501.1 Scope

N/A RESPO PART

> 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.

SECTION 4.502 DEFINITIONS 5.102.1 DEFINITIONS

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

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

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, 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 93120.1

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

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O³/g ROC). Note: MIR values for individual compounds and hydrocarbon solvents are specified in CCR, Title 17, Sections 94700 and 94701.

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

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging). Note: PWMIR is calculated according to equations found in CCR, Title 17, Section 94521 (a).

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

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).

4.503 FIREPLACES

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

4.504 POLLUTANT CONTROL

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

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

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

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

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

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

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

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

4.504.3 CARPET SYSTEMS. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using 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.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.

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 Chemical Emissions from Indoor Sources Using 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.

https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.

4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1.

4.504.4 RESILIENT FLOORING SYSTEMS. Where resilient flooring is installed , at least 80% of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," 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.

hhtps://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.

Y = YES N/A = NOT APPLICABLE RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)
DIVISION 4.5 ENVIRONMENTAL QUALITY (continued)
4.504.5 COMPOSITE WOOD PRODUCTS. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5
4.504.5.1 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
 Product certifications and specifications. Chain of custody certifications. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.). Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269, European 636 3S standards, and Canadian CSA 0121, CSA 0151, CSA 0153 and CSA 0325 standards. Other methods acceptable to the enforcing agency.
4.505 INTERIOR MOISTURE CONTROL 4.505.1 General. Buildings shall meet or exceed the provisions of the <i>California Building Standards Code</i> .
4.505.2 CONCRETE SLAB FOUNDATIONS. Concrete slab foundations required to have a vapor retarder by California Building Code, Chapter 19, or concrete slab-on-ground floors required to have a vapor retarder by the California Residential Code, Chapter 5, shall also comply with this section.
4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the following:
 A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clean aggregate shall be provided with a vapor barrier in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06. Other equivalent methods approved by the enforcing agency. A slab design specified by a licensed design professional.
4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19 percent moisture content. Moisture content shall be verified in compliance with the following:
 Moisture content shall be determined with either a probe-type or contact-type moisture meter.Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements found in Section 101.8 of this code. Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end
of each piece verified. 3. At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing.
Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.
4.506 INDOOR AIR QUALITY AND EXHAUST 4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated and shall comply with the following:
 Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building. Unless functioning as a component of a whole house ventilation system, fans must be controlled by a humidity control.
a. Humidity controls shall be capable of adjustment between a relative humidity range less than or equal to 50% to a maximum of 80%. A humidity control may utilize manual or automatic means of adjustment.
A humidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in)

Notes

N/A RESPON

PART

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 acceptable.

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 ENTS. THE RECIPIENT ACKNOWLEDGES. YTS AND VOLUNTARILY AFFIRMS THE WING CONDITIONS:

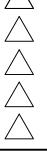
USE OF THIS INFORMATION IS CTED TO THE ORIGINAL PROJECT FOR WHICH PREPARED FOR THE PERMIT READY SORY DWELLING UNIT (ADU) PROGRAM FOR OF RIVERSIDE ONLY. THIS IS A LIMITED STANDARDIZED ADU PLANS AND FICATIONS APPROVED BY THE CITY C DE BUILDING DEPARTMENT. BUILDING CODES ANGE OVER TIME AND RECIPIENT SHALL FULL COMPLIANCE UNDER ALL CODES N EFFECT AT THE TIME OF THE SUBJEC 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 RESPONSIBL RANSLATION FRRORS, DO NOT USE THESE RUCTION DOCUMENTS IF THE PERMIT HAS D OR IS REVOKED AT ALL. RECIPIENT RECOGNIZES AND ACKNOWLEDGE HE USE OF THIS INFORMATION WILL BE AT SOLE RISK AND WITHOUT ANY LIABILITY OR 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 ENTS BY THE RECIPIENT OR BY OTHERS E AT THE RECIPIENT'S RISK AND FULL RESPONSIBILITY. FURTHERMORE, THE ENT WILL. TO THE FULLEST EXTENT TED BY LAW, DEFEND, INDEMNIFY AND HOLD PATH STUDIO AND ITS ARCHITECTS ESS FROM ANY AND ALL CLAIMS, SUITS, 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 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

Calgreen

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

GU.

ARCHITECTUAL GENERAL NOTES DO NOT SCALE THE DRAWING, USE THE DIMENSIONS ONLY. IF A 14. DISCREPANCY IS FOUND TO EXIST, NOTIFY THE OWNER THESE PLANS/SPECIFICATIONS AND ALL WORK SHALL COMPLY WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CCR AND CURRENT CPC, CMC AND CEC CODES. DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE 15. REQUIRED TO SUIT THE JOB DIMENSIONS OR CONDITIONS AND IS TO BE REVIEWED AND APPROVED BY THE CITY OF RIVERSIDE VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO STARTING ANY WORK. ALL WEATHER-EXPOSED SURFACES ARE TO HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING AND THAT EXTERIOR OPENINGS ARE TO BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF. SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE CITY OF RIVERSIDE BUILDING INSPECTOR AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY CONSTRUCTION, RECONSTRUCTION, OR CLOSURE OR THE ROADWAY, SIDEWALK OR RIGHT OF WAY. APPLICANT SHALL CONTACT ENGINEERING DEPARTMENT TO PROCESS. APPLICANT IS RESPONSIBLE TO PROVIDE SITE PLAN (PLOT PLAN) TO THE CITY FOR REVIEW AND APPROVAL APPLICANT IS RESPONSIBLE TO VERIFY WHETHER THE JOB SITE IS 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 (FIRM) AS ZONE A OR AE, SHALL PROVIDE AN ELEVATION CERTIFICATE WITH SUPPORTED DOCUMENTS TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE. | 5. SUBMIT GRADING PLANS AND/OR PROVIDE ADU GRADING PERMIT EXEMPTION CHECKLIST FOR REVIEW AND APPROVAL AT TIME OF PERMIT APPLICATION. 11. THE PV SYSTEM WILL BE SUBMITTED UNDER A SEPARATE PERMIT A PHOTOVOLTAIC (SOLAR) SYSTEM BUILDING AND ELECTRICAL PERMIT SHALL BE ISSUED PRIOR TO ADU BUILDING FRAME INSPECTION REQUEST. SOIL REPORT REQUIREMENT: IF A SOILS REPORT IS REQUIRED BY THE LOCAL JURISDICTION, THE GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH CBC SECTION 1803.2 AND REPORTED IN ACCORDANCE WITH CBC SECTION 1803.6. -THE GEOTECHNICAL ENGINEER OF RECORD SHALL REVIEW THE CITY APPROVED PLANS FOR GENERAL CONFORMANCE WITH THE SOIL REPORT; OTHERWISE, AN ALTERNATE FOUNDATION PLAN DESIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER IS REQUIRED ROOF NOTES FLASHINGS SHALL BE INSTALLED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE MATERIALS AND AT INTERSECTIONS WITH PARAPET WALLS AND OTHER PENETRATIONS THROUGH THE ROOF PLANE. 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 COMPATIBLE WITH EACH OTHER AND WITH THE BUILDING OR STRUCTURE TO WHICH THE MATERIALS ARE APPLIED. BUILDING-INTEGRATED PHOTOVOLTAIC PRODUCTS INSTALLED AS THE ROOF COVERING SHALL BE TESTED, LISTED AND LABELED FOR FIRE CLASSIFICATION IN ACCORDANCE WITH SECTION R902.1 THROUGH R902.4. ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT 10 SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R905.1.1. CLAY AND CONCRETE ROOF TILE SHALL BE INSTALLED ON ROOF 11. SLOPES OF TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS HORIZONTAL (25-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS HORIZONTAL (25-PERCENT SLOPE) TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE 12. UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R905.3.3. SLATE SHINGLES SHALL BE USED ONLY ON SLOPES OF FOUR 13. UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER. THE MINIMUM SLOPE FOR STANDING-SEAM ROOF SYSTEMS SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE). BUILT-UP ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (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 (1-PERCENT SLOPE). 16. MINERAL-SURFACED ROLL ROOFING SHALL NOT BE APPLIED ON 10. **ROOF SLOPES BELOW ONE UNIT VERTICAL IN 12 UNITS** HORIZONTAL (8-PERCENT SLOPE). MODIFIED BITUMEN ROOFING SHALL HAVE A DESIGN SLOPE OF 17. NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE. SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF

 SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE.
 A CLASS A ROOF ASSEMBLY SHALL BE INSTALLED. IF THE

A CLASS A ROOF ASSEMBLY SHALL BE INSTALLED. IF THE APPLICANT DEVIATES FROM THE ROOF SPECIFICATIONS ON SHEET T1.1 THE APPLICANT SHALL PROVIDE A COPY OF THE ICC/UL LISTING

ROOF NOTES (CONT'D)

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

PER SECTION R806.5/EM3.9.6: a. WHERE ONLY AIR-IMPERMEABLE IS PROVIDED APPLIED IN DIRECT CONTACT WITH UNDERSIDE STRUCTURAL ROOF SHEATHING.

b. WHERE AIR-PERMEABLE INSULATION IS INSTA BELOW THE STRUCT. SHEATHING, RIGID BOARD INSULATION SHALL BE INSTALLED DIRECTLY AB STRUCTURAL ROOF SHEATHING W/ MIN. R VALUE CLIMATE ZONE PER TABLE R806.5.

c. WHERE BOTH AIR-IMPERMEABLE AND AIR-PER INSULATION ARE PROVIDED, THE AIR-IMPERMEA SHALL BE APPLIED IN DIRECT CONTACT WITH TH THE STRUCT. ROOF SHEATHING w/ MIN. R VALUE CLIMATE ZONE PER TABLE R806.5.FOR CONDENS CONTROL.

FLOOR PLAN NOTES

- ALL DIMENSIONS TO FACE OF STUD, U.N.O.
- ALL DOORS SHOULD BE 3 1/2" FROM NEAREST WALL AT HINGED SIDE, U.N.O.

WRITTEN DIMENSIONS TO PREVAIL OVER SCAL DRAWINGS. CONTRACTOR TO VERIFY ALL DIM. CONSTRUCTION AND IMMEDIATELY NOTIFY OW DISCREPANCIES.

- REFER TO FRAMING PLANS AND SECTIONS FOI AND DIM. NOT SHOWN .
- ALL ROOF DRAIN PIPES TO BE MIN. 2" STORM D UNLESS LOCAL CODE REQUIRES LARGER DRAII ROOF GUTTERS:

STYLE A . INSTALLED AND DESIGNED IN ACCOR SMACNA MANUAL, PLATE #1,#2 & #3,GUTTER. F WIDTH AS REQUIRED TO HANDLE THE AMOUNT FOR MAXIMUM STORMS, SMACNA CHART #2, F GUTTER: SIZE; PAGES 1,2, 3, 4, 5 &6, CHARTS #7

<u>STYLE;</u> PLATE #2, STYLE A, PAGE 9 EXPANSION;PLATE #6, PAGE 16 &17 HANGING; PLATE #19, FIG. C, PAGE 43. DOWN SPOUTS:

PLAIN RECTANGULAR.AS REQUIRED BY SMACN CHART #3, PAGE #3. SEE ARCHITECT FOR LOCA DOWN SPOUTS. ALL DOWN SPOUTS ARE TO BE HANDLE THE AMOUNT OF ROOF WATER FOR MA STORMS, SMACNA CHART #2, PAGE #2. DOWN TO DEPOSIT DIRECTLY OVER A NDS 6 INCH SQU 641 OR APPROVED EQUAL.(SEE SECTION 02710 INFORMATION)

- TRANSITION OF FLOOR MATERIALS OCCURRING WITH DOORS TO BE LOCATED UNDER THE CEN DOOR IN THE CLOSED POSITION. TRANSITION O MATERIAL OCCURRING WITH NO DOOR TO BE L ALIGN WITH THE FACE OF THE PARTITION, U.O.
- DIFFUSERS AND GRILLS TO MATCH COLOR OF S WHICH THEY ARE MOUNTED, U.O.N.
- FLOOR FINISH TO CONTINUE UNDER MILLWORK IS VISIBLE (I.E. TRASH, RECYCLING, ECT.) 8. SILI GLAZING TO BE CLEAR, U.O.N.
- PLUMBING, ELECTRICAL, AND SPRINKLER EQUI REQUIRED TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACE.
- ALL FINISH MATERIAL MUST MEET ALL APPLICA SAFETY, AND BUILDING CODES. 80% OF FLOOR RESILIENT FLOORING SHALL COMPLY WITH SPE CRITERIA. PARTICLE BOARD, MDF AND PLYWOO INTERIOR FINISH SYSTEMS SHALL COMPLY WIT FORMALDEHYDE EMISSION STANDARDS.
- OPERATION AND MAINTENANCE MANUAL: THE B PROVIDE AN OPERATION MANUAL (CONTAINING FOR MAINTAINING APPLIANCES, ETC.) FOR THE TIME OF FINAL INSPECTION.
- WEEP SCREED FOR STUCCO AT THE FOUNDAT SHALL BE A MIN. OF 4" ABOVE THE EARTH OR 2" AREAS. CRC R703.7.2.1, CBC 2512.1.2
- FASTENERS AND CONNECTIONS (NAILS, ANCHO IN CONTACT WITH PRESERVATIVE -TREATED WO HOT -DIPPED ZINC-COATED GALVANIZED STEEL STEEL, SILICON BRONZE OR COPPER. (CRC R31 2304.10.5)
- ANCHOR BOLTS SHALL INCLUDE STEEL PLATE OF 0.229" X 3" X 3" IN SIZE, BETWEEN SILL PLATE R602.11.1, CBC 2308.3.2 ACCEPTANCE ALTERNA 4.3.6.4.3)
- FUTURE WATER HEATERS AND PLUMBING FIXT THE REQUIREMENTS OF SECTION 2-5314 AND T 24, C.A.C.
- 15, 20 AND 30 AMP. RECEPTACLE OUTLETS SHAI NO MORE THAN 48" MEASURED FROM THE TOP AND NOT LESS THAN 15" FROM THE BOTTOM OF ABOVE THE FLOOR.
- SITE SHALL BE PLANNED AND DEVELOPED TO K WATER AWAY FROM BUILDINGS. PLANS SHALL I THE CITY ENGINEER THAT SHOW SITE GRADING FOR STORM WATER RETENTION AND DRAINAGE CONSTRUCTION. BMP'S THAT ARE CURRENTLY THE CITY ENGINEER MUST BE IMPLEMENTED PI INSPECTION BY THE BUILDING DEPT.
- 18. 65 % OF CONSTRUCTION WASTE IS TO BE RECY OF INERT MATERIALS ARE RECYCLED SALVAGE

_		FLOOR PLAN NOTES (CONT'D)	
T MORE THAN 33 EA, NOT LESS THAN JIRED 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.
OLTAIC ARRAYS PLAN VIEW TOTAL M) CLEAR SETBACK		AND COMPOSITION WOOD PRODUCTS.DOCUMENTATION SHALL BE PROVIDED TO VERIFY THAT COMPLIANT VOC LIMIT FINISHED MATERIALS HAVE BEEN USED.	6.
AL RIDGE.	20.	INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL	7. 8.
ED, IT SHALL BE E OF THE		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.
TALLED DIRECTLY D OR SHEET BOVE THE		A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING SHALL BE USED.	10.
UE BASED ON	21.	MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT	11.
ERMEABLE EABLE INSULATION THE UNDERSIDE OF UE BASED ON		NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE	12.
NSATION	22.	OF THE LISTED METHODS LISTED IN CGC SECTION 4.505.3 PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED	13.
		CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED	14. 15.
ALING OF	23.	WITH THE APPROVED PLANS LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS.	16.
M. PRIOR TO WNER OF ANY	24.	PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL SHALL MANAGE STORM WATER DRAINAGE DURING	
OR CLARIFICATION DRAINAGE SYSTEM		CONSTRUCTION BY ONE OF THE FOLLOWING: A. RETENTION BASIN. B. WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER APPROVED METHOD. CGC	17.
AIN SIZES. ORDANCE WITH	25.	4.106.2. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE	18.
. PAGE 6 - 11, IT OF ROOF WATER		MANAGEMENT PLAN TO THE JURISDICTION AGENCY THAT REGULATES WASTE MANAGEMENT, PER CGC 4.408.2.	
PAGE #2. S#1,#2,#3,#4,#5#6 &	26.	THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0	1.
NA MANUAL	27.	DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE COVERED. CGC 4.504.1	2.
CATIONS OF BE DESIGNED TO MAXIMUM	28.	BATHROOM FANS SHALL BE ENERGY STAR RATED, VENTED DIRECTLY TO THE OUTSIDE AND CONTROLLED BY A HUMIDISTAT.	
/N SPOUTS ARE QUARE, MODEL 10 MORE	29.	SPECIAL INSPECTORS EMPLOYED BY THE ENFORCING AGENCY MUST BE QUALIFIED AND ABEL TO DEMONSTRATE COMPETENCE IN THE DISCIPLINE THEY ARE INSPECTING.	3.
NG IN OPENINGS NTER OF THE OF FLOOR	30.	VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOC. PLANS, SPECIFICATION BUILDER OR INSTALLER CERTIFICATIONS, INSPECTIONS REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH TO	4.
LOCATED TO D.N	31.	SHOW SUBSTANTIAL CONFORMATION. NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION SHALL BE	
F SURFACE AT RK WHERE FLOOR		DESIGNED FOR AGING-IN-PLACE DESIGN AND FALL PREVENTION 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.
LICON SEALANT AT		NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL	6.
JIPMENT, IF		COMPLY WITH THIS SECTION. B) REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY.	7.
CATION FIRE, LIFE IR AREA RECEIVING PECIFIED VOC DOD USED IN		C) REINFORCEMENT SHALL NOT BE LESS THAN 2 BY 8 INCH NOMINAL LUMBER. REINFORCEMENT SHALL BE LOCATED BETWEEN 32 INCHES AND 39-1/4 INCHES ABOVE THE FINISHED	8.
ITH LOW		FLOOR FLUSH WITH THE WALL FRAMING. D) WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.	0.
NG INFORMATION IE OWNER AT THE		E) SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. F) BATHTUB AND COMBINATION BATHTUB/SHOWER	9.
TION PLATE LINE 2" ABOVE PAVED		REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED	
HORS BOLTS ECT) WOOD SHALL BE OF EL, STAINLESS		WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES ABOVE THE BATHTUB RIM.	
317.3, CBC	1.	MECHANICAL NOTES	10.
E WASHERS A MIN. TE AND NUT. (CRC IATIVE SDPWS		SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL 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	
TURES SHALL MEET TABLE 2-53G, TITLE		SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND, WHERE PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE POWER FROM A BATTERY. WIRING SHALL BE PERMANENT AND	11.
IALL BE INSTALLED P OF OUTLET BOX OF OUTLET BOX	2.	WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVERCURRENT PROTECTION. [CRC R315.6] WHERE WATER CLOSET COMPARTMENT IS INDEPENDENT OF THE BATHROOM OR SHOWER AREA, A FAN WILL BE REQ. IN	12.
) KEEP SURFACE L BE APPROVED BY		EACH AREA. BATHROOMS SHALL HAVE AN EXHAUST FAN WITH HUMIDITY CONTROL SENSOR, MIN. 50 CFM CAPACITY. (CRC	13.
NG AND PROVIDE GE DURING	3.	R303.3.1) ROOMS CONTAINING BATHTUBS, SHOWERS, SPAS AND SIMILAR FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH	14. 15.
Y ENFORCED BY PRIOR TO INITIAL		HIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH 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	
CYCLED AND 100% GED,COMPOSTED .	4.	SUPPLY AND RETURN AIR DUCTS TO BE INSULATED AT A MIN. OF R-6. (CAL ENERGY CODE TABLE 150.1-A)	

MECHANICAL NOTES (CONT'D)

WHERE WHOLE HOUSE FANS ARE USED IN BATHROO 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 TABLE 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" AE BASE OF THE WATER HEATER SPACE. (CAL ENERGY C (N).
- INSULATE ALL HOT WATER PIPES. CAL ENERGY CODE (2), and CPC 609.11)
- 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 EQUI BACK DRAFT DAMPERS
- . ALL EXHAUST FANS SHALL BE SWITCHED SEPARATEL LIGHTING SYSTEMS. (CENC 150(K) 2B)
- PLUMBING FIXTURES AND FITTINGS INSTALLED IN REBUILDINGS SHALL COMPLY WITH THE PRESCRIPTIVE SECTIONS 4.303.1.1 THROUGH 4.303.1.4.4.
- 7. PLUMBING FIXTURES AND FITTINGS REQ. IN SECTION SHALL BE INSTALLED IN ACCORDANCE WITH THE CAL PLUMBING CODE AND SHALL MEET THE THE APPLICAL 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 N 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 RECER
INSTALLED 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 INSTA 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.

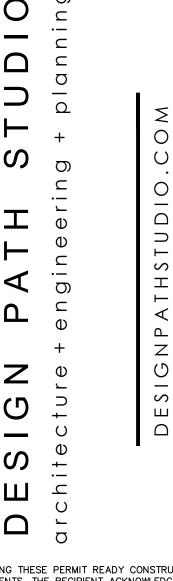
WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED INSTALLED, THE SMOKE ALARMS SHALL BE INTERCON SUCH A MANNER THAT THE ACTIVATION OF ONE ALAR ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL DWELL THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDR OVER BACKGROUND NOISE LEVELS WITH ALL INTERV DOORS CLOSED.

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 DEDICATEI CIRCUIT (CEC 210 .11 (C)(2)
- ۲-۲۰-۶ PROVIDE A DEDICATED CIRCUIT FOR THE A.C./FAU (C

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	HEATER, THEN THIS SPACE SHALL INCLUDE THE FOLLOWING:A
I. 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
BLE 703.2) RTICAL	 LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED; AND A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE
00BTU FOR	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
DE 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
BIBS ON	FROM THE FINISHED FLOOR. 18. DOORBELL BUTTON MUST BE INSTALLED NO MORE THAN 48
IPPED WITH	 INCHES FROM EXTERIOR FLOOR. 19. LUMINAIRE EFFICACY - ALL INSTALLED LUMINAIRES SHALL MEET THE REQUIREMENTS OF 2022 BUILDING ENERGY EFFICIENCY
ELY FROM	STANDARDS TABLE 150.0-A PER SECTION 150.0(K).
ESIDENTIAL E REQ. OF	2022 ENERGY EFFICIENCY STANDARDS 150.0
N 4.303.1 ALIFORNIA ABLE	(S) ENERGY STORAGE SYSTEMS (ESS) READY. ALL SINGLE-FAMILY 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
TH CEC	B. A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE BRANCH
RESISTANT V/ NEC ART.	CIRCUITS IN SECTION 150.0(S)(2). ALL BRANCH CIRCUITS ARE PERMITTED TO BE SUPPLIED BY THE MAIN SERVICE PANEL PRIOR TO THE INSTALLATION OF AN ESS. THE
_LING). JST NEC	TRADE SIZE OF THE RACEWAY SHALL BE NOT LESS THAN ONE INCH. THE PANELBOARD THAT SUPPLIES THE BRANCH CIRCUITS (SUBPANEL) MUST BE LABELED "SUBPANEL SHALL INCLUDE ALL
NG, UITS WILL BE	BACKED-UP LOAD CIRCUITS." 2. A MINIMUM OF FOUR BRANCH CIRCUITS SHALL BE
-12(B). CE BRANCH	IDENTIFIED AND HAVE THEIR SOURCE OF SUPPLY COLLOCATED AT A SINGLE PANELBOARD SUITABLE TO BE SUPPLIED BY THE ESS. AT LEAST ONE CIRCUIT SHALL SUPPLY
AMPERE	THE REFRIGERATOR, ONE LIGHTING CIRCUIT SHALL BE LOCATED NEAR THE PRIMARY EGRESS, AND AT LEAST ONE CIRCUIT SHALL SUPPLY A SLEEPING ROOM RECEPTACLE OUTLET.
NLY 210-11(c)3. EPTACLES	 THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS. SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW
, RS, KITCHEN SINK, SHALL	FUTURE INSTALLATION OF A SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH WITHIN 3 FEET OF THE
TALLED IN	MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN THE PANELBOARD AND THE SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE
6) RE	CONNECTION OF BACKUP POWER SOURCE. (T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS SHALL
0	INCLUDE THE FOLLOWING: 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE
BE HIGH	INSTALLED WITHIN 3 FEET FROM THE FURNACE AND ACCESSIBLE 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 ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.
RE THAN 6 R LINE	2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE HEAT PUMP SPACE HEATER
D. IN NEW RECEIVE	INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED AS "FOR FUTURE 240V USE."
G WHERE JRCE AND 10KE	(U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PROPANE COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:
ES ARE LOW.	1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITHIN 3 FEET FROM THE COOKTOP AND ACCESSIBLE TO THE COOKTOP WITH NO OBSTRUCTIONS. THE
ED TO BE	BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 50 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V
ONNECTED IN ARM WILL	READY." ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE. 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A
LLING UNIT. DROOMS RVENING	RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC 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
150 .0(K)21) ED BRANCH	INSTALLED WITHIN 3 FEET FROM THE CLOTHES DRYER LOCATION AND ACCESSIBLE TO THE CLOTHES DRYER LOCATION WITH NO OBSTRUCTIONS. THE BRANCH
CEC 422.12)	CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL ELECTRICAL COMPONENTS SHALL BE
ICH INSTALLED CEC	INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.
ÎN ALL E, 125- AND	2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A 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



D

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

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project

City of Riverside Pre-Approved ADU Program

CONSTRUCTION OF AN ADU OR OTHER

IMPROVEMENT UNDER THESE PLANS AT ALL.

revisions



description

General Notes

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

GU.2

GENERAL NOTE: THE ADU SHALL COMPLY WITH CHAPTER 7A OF THE CURRENT CALIFORNIA BUILDING CODE IF IT IS IN THE VHFHSZ. STRUCTURES IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE SHALL **PROVIDE & MAINTAIN A FUEL MODIFICATION ZONE. FUEL** MODIFICATION ZONES: THE APPLICANT SHALL PROVIDE AND MAINTAIN FIRE/FUEL BREAKS TO THE SATISFACTION OF THE CITY'S FIRE DEPARTMENT. FIRE/FUEL BREAK SIZE (MINIMUM 100 FEET FROM STRUCTURE) & COMPOSITION SHALL BE DETERMINED BY THE FIRE DEPARTMENT & SHOWN ON THE IMPROVEMENT/GRADING PLANS. SPIKED. FINAL MAP, & BUILDING PLANS **CBC CHAPTER 7A - MATERIALS & CONSTRUCTION** METHODS FOR EXTERIOR WILDLIFE EXPOSURE IF THE PROPERTY THAT WILL CONTAIN THE ADU IS IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE THESE NOTES SHALL APPLY. THE JURISDICTION HAS DETERMINED THAT THIS PROJECT IS IN A WILDLIFE -URBAN INTERFACE AREA. PLEASE SHOW COMPLIANCE WITH THE FOLLOWING ITEMS FOR NEW BUILDINGS, PER THE 2022 CBC. **EXCEPTIONS:** BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIED AS A GROUP U OCCUPANCY AND NOT EXCEEDING 120 SQUARE FEET IN FLOOR AREA. WHEN LOCATED AT LEAST 30 FEET FROM AN APPLICABLE BUILDING. BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIES AS A GROUP U OCCUPANCY OF ANY SIZE LOCATED LEAST 50' FROM AN APPLICABLE BUILDING. BUILDINGS CLASSIFIED AS A GROUP U AGRICULTURE BUILDING. FRAMING. AS DEFINED IN SECTION 202 OF THE CODE (SEE ALSO APPENDIX C - GROUP U AGRICULTURE BUILDINGS), WHEN LOCATED AT LEAST 50' FROM AN APPLICABLE BUILDING. **REQUIREMENTS:** 705A.2 ROOF COVERINGS. WHERE THE ROOF PROFILE HAS AN AIRSPACE UNDER THE ROOF COVERING, INSTALLED OVER A COMBUSTIBLE DECK, A 72 LB. (32.7 KG) CAP SHEET COMPLYING WITH ASTM D3909 STANDARD SPECIFICATION FOR "ASPHALT ROLLED ROOFING (GLASS FELT) SURFACED WITH MINERAL GRANULES," SHALL BE INSTALLED OVER THE ROOF DECK. BIRD STOPS SHALL BE USED AT THE EAVES WHEN THE PROFILE FITS. TO PREVENT DEBRIS AT THE EAVE. HIP AND RIDGE CAPS SHALL BE MUDDED IN TO PREVENT INTRUSION OF FIRE OR EMBERS EXCEPTION: CAP SHEET IS NOT REQUIRED WHEN NO LESS THAN 1" OF MINERAL WOOL BOARD OR OTHER NONCOMBUSTIBLE MATERIAL IS LOCATED BETWEEN THE ROOFING MATERIAL AND WOOD FRAMING OR DECK. ALTERNATELY, A CLASS A FIRE RATED ROOF UNDERLAYMENT, TESTED IN ACCORDANCE WITH ASTM E108, SHALL BE PERMITTED TO BE USED. IF THE SHEATHING CONSISTS OF EXTERIOR FIRE-RETARDANT TREATED WOOD, THE UNDERLAYMENT SHALL NOT BE REQUIRED TO COMPLY WITH A CLASS A CLASSIFICATION. BIRD STOPS SHALL BE USED AT THE EAVES WHEN THE PROFILE FITS, TO PREVENT DEBRIS AT THE EAVE. HIP AND RIDGE CAPS SHALL BE MUDDED IN TO PREVENT INTRUSION OF FIRE OR EMBERS. DECK. 705A.3 ROOF VALLEYS. WHERE VALLEY FLASHING IS INSTALLED. THE FLASHING SHALL BE NOT LESS THAN 0.019-INCH NO. 26 GAGE GALVANIZED SHEET CORROSION-RESISTANT METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MIN. 72 POUND MINERAL - SURFACED NON PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909, AT LEAST 36-INCH -WIDE RUNNING THE FULL LENGTH OF THE VALLEY. 705A.4 ROOF GUTTER. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER. 706A.2 VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME And EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED, BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS: A) THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST B) THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST C) THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662 F 706A.2.1 VENTS THAT ARE INSTALLED ON A SLOPED ROOF, SUCH AS DORMER VENTS, SHALL COMPLY WITH ALL THE FOLLOWING A) VENTS SHALL BE COVERED WITH A MESH WHERE THE DIMENSIONS OF THE MESH THEREIN SHALL BE A MINIMUM OF $\frac{1}{16}$ - INCH AND SHALL NOT EXCEED $\frac{1}{8}$ - INCH IN DIAMETER B) THE MESH MATERIAL SHALL BE NONCOMBUSTIBLE C) THE MESH MATERIAL SHALL BE CORROSION RESISTANT. 6 707A.3 EXTERIOR WALLS COVERINGS. THE EXTERIOR WALL COVERING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING REQUIREMENTS, EXCEPT AS PERMITTED FOR EXTERIOR WALL ASSEMBLIES COMPLYING WITH SECTION 707A.4: **1. NONCOMBUSTIBLE MATERIAL** 2. IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 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. 707A.3.1 EXTENT OF EXTERIOR WALL COVERING. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF AND TERMINATE AT 2" NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN THE CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.

8. 707A.4 EXTERIOR WALL ASSEMBLIES. EXTERIOR ASSEMBLIES OF BUILDINGS OR STRUCTURES SH CONSTRUCTED USING ONE OR MORE OF THE FO METHODS, UNLESS THEY ARE COVERED BY AN E COVERING COMPLYING WITH SECTION 707A.3:

- 1. ASSEMBLY OF SAWN LUMBER OR GLUE LA WITH THE SMALLEST MINIMUM NOMINAL DI INCHES. SAWN OR GLUE-LAMINATED PLANK TONGUE-AND-GROVE, OR SET CLOSE TOG
- 2. LOG WALL CONSTRUCTION ASSEMBLY
- 3. ASSEMBLY THAT HAS BEEN TESTED IN ACC THE TEST PROCEDURES FOR A 10 MINUTE CONTACT EXPOSURE SET FORTH IN ASTM CONDITIONS OF ACCEPTANCE SHOWN IN S
- 4. ASSEMBLY THAT MEET THE PERFORMANCI ACCORDANCE WITH THE TEST PROCEDUR MINUTE DIRECT FLAME CONTACT EXPOSUR FORTH IN SFM STANDARD 12-7A-1
- 5. ASSEMBLY SUITABLE FOR EXTERIOR FIRE A 1-HOUR FIRE RESISTANCE RATING, RATE EXTERIOR SIDE, AS TESTED IN ACCORDANCE E119 OR UL263
- 6. ASSEMBLY SUITABLE FOR EXTERIOR FIRE CONTAINING ONE LAYER OF § -INCH TYPE X SHEATHING APPLIED BEHIND THE EXTERIO COVERING OR CLADDING ON THE EXTERIO
- 7. ASSEMBLY SUITABLE FOR EXTERIOR EXPC CONTAINING ANY OF THE GYPSUM PANEL PRODUCTS LISTED IN THE GYPSUM ASSOC RESISTANCE DESIGN MANUEL AS COMPLY 1-HOUR FIRE-RESISTANCE RATING, AS TES ACCORDANCE WITH ASTM E119 OR UL 263
- 9. 707A.5 OPEN ROOF EAVES. THE EXPOSED ROOF UNDERSIDE OF ENCLOSED ROOF EAVES SHALL (OR MORE OF THE FOLLOWING:
 - 1. NON COMBUSTIBLE MATERIAL
 - 2. IGNITION- RESISTANT MATERIAL. THE IGNIT MATERIAL SHALL BE LABELED FOR EXTERIO MEET THE REQUIREMENTS OF SECTION 704
 - 3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL E EXTERIOR USE AND SHALL MEET THE REQU **SECTION 2303.2**
 - 4. MATERIALS APPROVED FOR NOT LESS THA FIRE-RESISTANCE-RATED CONSTRUCTION EXTERIOR SIDE, AS TESTED IN ACCORDANCE E119 OR UL 263
 - 5. ONE LAYER OF 5/8" TYPE X GYPSUM SHEATI BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE EXTERIOR
 - 6. THE EXTERIOR PORTION A 1- HOUR FIRE R EXTERIOR ASSEMBLY, APPLIES AS TESTED WITH ASTM E119 OR UL 263, APPLIED TO TH THE ROOF DECK DESIGNED FOR THE EXTE EXPOSURE, INCLUDING ASSEMBLES USING PANEL AND SHEATHING PRODUCTS LISTED ASSOCIATION FIRE RESISTANCE DEIGN MA

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

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

- 1. NONCOMBUSTIBLE MATERIAL
- 2. IGNITION- RESISTANT MATERIAL. THE IGNIT MATERIAL SHALL BE LABELED FOR EXTERIO SHALL MEET THE REQUIREMENTS OF SECT
- 3. FIRE-RETARDANT-TREATED-WOOD. THE FIF TREATED WOOD SHALL BE LABELED FOR E AND SHALL MEET THE REQUIREMENTS OF
- 4. MATERIALS APPROVED FOR NOT LESS THA FIRE-RESISTANCE-RATED CONSTRUCTION EXTERIOR SIDE, AS TESTED IN ACCORDANCE E119 OR UL 263
- 5. ONE LAYER OF 5/8" TYPE X GYPSUM SHEAT BEHIND AN EXTERIOR COVERING ON THE U FLOOR PROJECTION.
- 6. THE EXTERIOR PORTION A 1- HOUR FIRE R EXTERIOR ASSEMBLY, APPLIED TO THE UNI RAFTER TAIS OR SOFFIT, INCLUDING ASSEM GYPSUM PANEL AND SHEATHING PRODUCT GYPSUM ASSOCIATION FIRE RESISTANCE [
- 7. BOXED-IN ROOF EAVE SOFFIT ASSEMBLIES HORIZONTAL UNDERSIDE THAT MEET THE CRITERIA IN SECTION 707A.11 WHEN TESTE ACCORDANCE WITH THE TEST PROCEDURE **ASTM E2957**
- 8. BOXED-IN ROOF EAVE SOFFIT ASSEMBLIES HORIZONTAL UNDERSIDE THAT MEET THE CRITERIA IN SECTION 707A.11 WHEN TESTE ACCORDANCE WITH THE TEST PROCEDURE SFM STANDARD 12-7A-3

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

FIRE SEVERITY	Y ZONE (VHFSZ) NOTES		FIRE SPRINKLER NOTES	
WALL 1 IALL BE DLLOWING EXTERIOR WALL	 707A.7 EXTERIOR PORCH CEILINGS. THE EXPOSED UNDERSIDE OF THE EXTERIOR PORCH CEILINGS SHALL BE PROTECTED BY ONE OF THE FOLLOWING: NON COMBUSTIBLE MATERIAL 	14. 707A.10 UNDERSIDE OF APPENDAGES. WHEN REQUIRED BY THE ENFORCING AGENCY THE UNDERSIDE OF OVERHANGING APPENDAGES SHALL BE ENCLOSED TO GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE UNDERSIDE	 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 	
MINATED WOOD MENSION OF 4 KS SPLINED, ETHER AND WELL	 NON COMBOSTIBLE 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 	OF THE EXPOSED UNDER FLOOR SHALL CONSIST OF ONE OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2	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. 3. SECTION R313.2.1 AN AUTOMATIC SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH SECTION R313.3	
CORDANCE WITH DIRECT FLAME E2707 WITH THE ECTION 707A.4.1.	4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263 5. ONE LAYER OF %" TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING OR CLADDING ON THE	 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 	OR MFPA13D. WILDLAND URBAN INTERFACE (WUI) PRODUCTS	
E CRITERIA IN ES FOR A TEN RE TEST SET EXPOSURE WITH	UNDERSIDE OF THE RAFTER TAILS OR SOFFIT. 6. 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	SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263 5. ONE LAYER OF ⁵ / ₈ " TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING ON THE UNDERSIDE OF THE APPENDAGE PROJECTION 6. THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE	ROOF Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180) LISTING No. 8180-2299:0501	
D FROM THE CE WITH ASTM EXPOSURE GYPSUM	SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. 7. PORCH CEILING ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE	EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, APPLIED TO THE UNDERSIDE OF THE APPENDAGE, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL.	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	
R WALL R SIDE OF THE SURE AND SHEATHING	TEST PROCEDURES SET FORTH IN ACCORDANCE WITT THE TEST PROCEDURES SET FORTH IN ASTM E2957 8. 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	 7. THE UNDERSIDE OF AN APPENDAGE ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957. 8. THE UNDERSIDE OF AN APPENDAGE ASSEMBLY THAT 	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 Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fastened with 2"	
IATION FIRE NG WITH A TED IN	EXCEPTION TO SECTION 707A.7: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION	MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3. EXCEPTION TO SECTION 707A.10: STRUCTURAL COLUMNS	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: Titanium UDL 30® stapled to face with 3" overlap.	
DECK ON THE CONSIST OF ONE	 707A.8 FLOOR PROJECTIONS. THE EXPOSED UNDERSIDE OF A CANTILEVER FLOOR PROJECTION WHERE A FLOOR ASSEMBLY EXTENDS OVER AN EXTERIOR WALL SHALL BE PROTECTED BY ON OF THE FOLLOWING: NONCOMBUSTIBLE MATERIAL IONITION DESIGNATION AND AND AND AND AND AND AND AND AND AN	AND BEAMS DO NOT REQUIRE PROTECTION WHEN CONSTRUCTED WITH SAWN LUMBER OR GLUE-LAMINATED WOOD WITH THE SMALLEST MINIMUM NOMINAL DIMENSION OF 4 INCHES. SAWN OR GLUE-LAMINATED PLANKS SHALL BE SPLINED, TONGUE-AND-GROOVE, OR SET CLOSE TOGETHER	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	
OR USE AN SHALL 4A.2 BE LABELED FOR	 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 	AND WELL SPIKED 15. 708A.2 EXTERIOR GLAZING. THE FOLLOWING EXTERIOR GLAZING MATERIALS AND/OR ASSEMBLIES SHALL COMPLY WITH THIS	detailed product description. RATING: Class A VENTS (ASTM E 2886/2886M, E 2912, SFM Listing Category	
UIREMENTS OF IN 1-HOUR ON THE CE WITH ASTM	SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263 5. ONE LAYER OF 5/8" TYPE X GYPSUM SHEATHING APPLIED	SECTION: 1. EXTERIOR WINDOWS 2. EXTERIOR GLAZED DOORS 3. GLAZED OPENINGS WITHIN EXTERIOR DOORS 4. GLAZED OPENINGS WITHIN EXTERIOR GARAGE DOORS	8165) LISTING No. 8165-2192:0500 CATEGORY: 8165 VENTS FOR WILDLAND URBAN INTERFACE	
HING APPLIES OF THE ROOF	BEHIND AND EXTERIOR COVERING ON THE UNDERSIDE OF THE CEILING 6. 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,	 5. EXTERIOR STRUCTURAL GLASS VENEERS 6. SKYLIGHTS 7. VENTS 16. 708A.2.1 EXTERIOR WINDOWS AND EXTERIOR GLAZED DOOR 	(W.U.I.) LISTEE: Vulcan Technologies8 Commercial Blvd, Suite E, Novato, CA 94949 Contact: Larry Dumm (916) 626-2400 Fax (916) 647-0477	
ESISTIVE IN ACCORDANCE HE UNDERSIDE OF RIOR FIRE THE GYPSUM IN THE GYPSUM NUAL.	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 PERFORMANCE CRITERIA IN SECTION 707A.10 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES	ASSEMBLY REQUIREMENTS: 1. BE CONSTRUCTED OF MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION 2406 SAFETY GLAZING, OR 2. BE CONSTRUCTED OF GLASS BLOCK UNITS, OR 3. HAVE A FIRE-RESISTANT RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED IN ACCORDANCE TO NFPA 257, OR	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	
DWING MATERIALS BOARDS SOFFITS. THE	SET FORTH IN ASTM E2957. 8. THE UNDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE SFM STD 12-7A-3.	 4. BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2. 17. 708A.3 EXTERIOR DOORS. EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING: THE EXTERIOR SURFACE OR CLADDING SHALL BE OF 	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	
ES HAVING IORIZONTAL	 EXCEPTION TO SECTION 707A.8: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION 3. 707A.9 UNDERFLOOR PROTECTION. THE UNDERFLOOR AREA OF ELEVATED OR OVERHANGING BUILDINGS SHALL BE ENCLOSED TO 	NON-COMBUSTIBLE OR IGNITION-RESISTANT MATERIAL 2. THE EXTERIOR SURFACE OR CLADDING SHALL BE IGNITION RESISTANT MATERIAL 3. TEH EXTERIOR DOOR SHALL BE CONSTRUCTED OF SOLID	UNDER EAVE (SFM Standard 12-7A-3, SFM Listing Category 8160)	
FOLLOWING: TION-RESISTANT OR USE AND TION 704A.2	GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE UNDERSIDE OF THE EXPOSED UNDERFLOOR SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL	CORE WOOD THAT COMPLY WITH THE FOLLOWING REQUIREMENTS: 3.1 STILES AND RAILS SHALL NOT BE LESS THAN 1-3/8" THICK. 3.2 RAISED PANELS SHALL NOT BE LESS THAN 1-1/4" THICK.	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	
RE-RETARDANT EXTERIOR USE SECTION 2303.2 IN 1-HOUR ON THE CE WITH ASTM	 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 	 EXCEPT FOR THE EXTERIOR PERIMETER OF THE PANEL THAT SHALL BE PERMITTED TO TAPER TO A TONGUE NOT LESS THAN ³/₈" THICK. 4. THE EXTERIOR DOOR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO THE NFPA 252. 5. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED 	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 ¼" thick, under eave material. Refer to the manufacturer's installation instructions and product data sheets. RATING: Noncombustible	
HING APPLIED INDERSIDE OF ESISTIVE	SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263 5. ONE LAYER OF 5/8" TYPE X GYPSUM SHEATHING APPLIED BEHIND AND EXTERIOR COVERING ON THE UNDERSIDE OF THE FLOOR PROJECTION	TO MEET THE PERFORMANCE IN SECTION 707A.3.1 WHEN TESTED IN ACCORDANCE WITH ASTM E2707. 6. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12 7A 1	EXTERIOR WALL SIDING (SFM Standard 12-7A-1, SFM Listing Category 8140)	
DERSIDE OF THE MBLES USING THE TS LISTED IN THE DESIGN MANUAL WITH A PERFORMANCE ED IN	 6. THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, APPLIED TO THE UNDERSIDE OF THE FLOOR, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. 7. THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE 	STANDARD 12-7A-1. 18. 708A.3.1 EXTERIOR DOOR GLAZING. GLAZING IN EXTERIOR DOORS SHALL COMPLY WITH SECTION 708A2.1.	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	
ES SET FORTH IN WITH A PERFORMANCE ED IN	PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957. 8. THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST		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.	
ES SET FORTH IN	PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3. EXCEPTION TO SECTION 707A.9: STRUCTURAL COLUMNS AND BEAMS DO NOT REQUIRE PROTECTION WHEN CONSTRUCTED			
D OTHER	WITH SAWN LUMBER OR GLUE-LAMINATED WOOD WITH THE SMALLEST MINIMUM NOMINAL DIMENSION OF 4 INCHES. SAWN OR GLUE-LAMINATED PLANKS SHALL BE SPLINED, TONGUE-AND-GROOVE, OR SET CLOSE TOGETHER AND WELL SPIKED.			
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 \square \Box BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:

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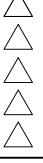
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project

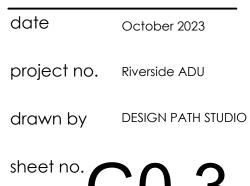
City of Riverside Pre-Approved ADU Program

revisions

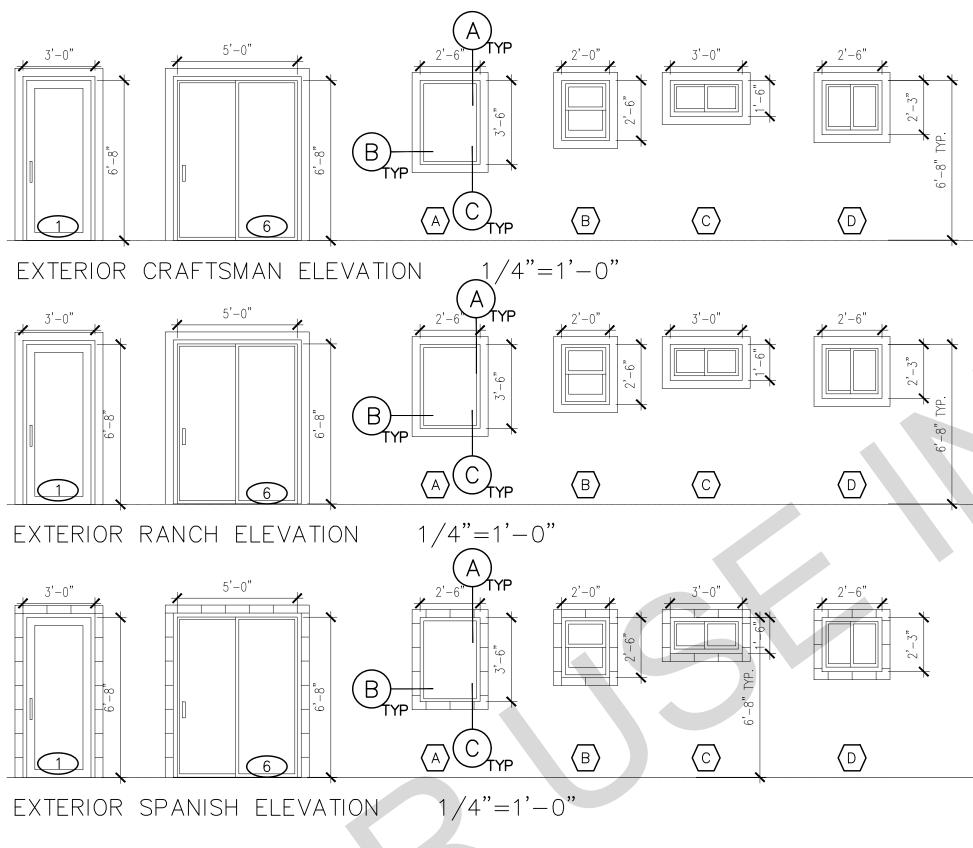


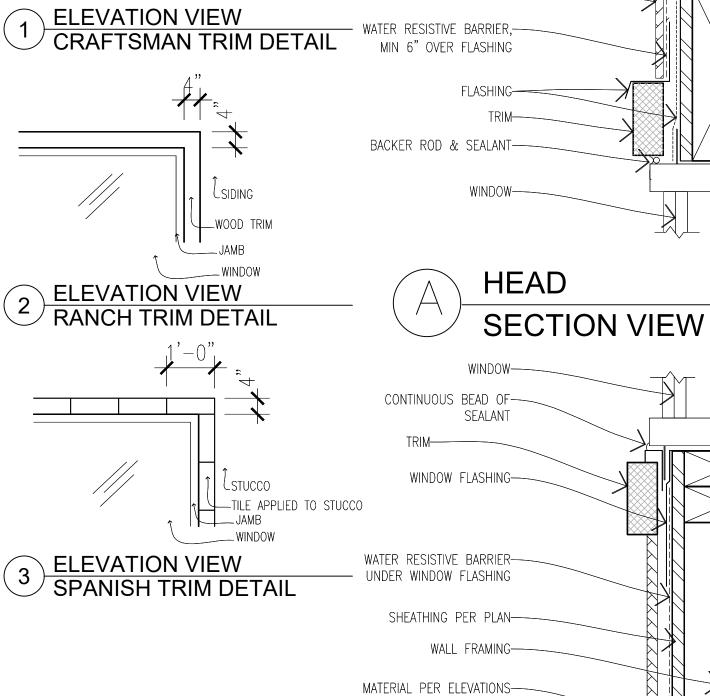
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General Notes



NDOW	WINDOW SCHEDULE							DOOR SCHEDULE													
		W SIZE	OPER.	QNTY	FRAME	HEAD HEIGHT	LOCATION	REMARKS	STC DB BATE CF/M MAX	VHFSZ NOTES SEE SHEET G0.3 ((WHEN REQ'D)		DOOR TYPE		DOOR SIZ		CORE	MATERIAL	FRAME	LOCATION	REMARKS	VHFSZ NOTES SEE SHEET G0.3 (WHEN REQ'D)
A	2'- ^{6"}	3'- ^{6"}	CASEMENT	9	VINYL	6'-8"	BEDROOM WINDOWS	NOTE 7	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, & 1
В	2'- ^{0"}	2'- ^{6"}	DOUBLE-HUNG	3	VINYL	6'-8"	LIVING ROOM/ KICTHEN WINDOWS	TEMPERED	40 0.5	NOTE 15 & 16	2	BI-FOLD DOOR	4'- ^{4 3/4} "	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	W/D DOOR	,	
С	3'- ^{0"}	1'- ^{6"}	SLIDER	2	VINYL	6'-8"	BATHROOM WINDOWS	TEMPERED	40 0.5	NOTE 15 & 16	3	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BATHROOM DOOR		
D	2'- ^{6"}	2'- ^{3"}	SLIDER	7	VINYL	6'-8"	BEDROOM WINDOWS		40 0.5	NOTE 15 & 16	4	SLIDING DOOR	8'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM CLOSET DOOR		
											5	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM DOOR		
											6	FRENCH DOOR	6'- ^{0"}	6'- ^{8"}	1-3/4"	GL	VNL/GLASS	VINYL	PATIO ACESS	NOTE 11	NOTE 15, 16, 17, 8
											7	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM DOOR		
VIN	NOC N	NOTES									8	SLIDING DOOR	8'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM CLOSET DOOR		
SEE EX		ATION FOR D	DIRECTION OF OPERAT	ION OF WINDO	OWS (ALL OPER	RABLE WINDO	WS TO HAVE SCREENS).				9	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM DOOR		
ALL WI	DOW DIMEN	SIONS PERTA	AIN TO ROUGH OPENIN	IGS (R.O.), COI	NTRACTOR TO	FIELD VERIFY	ACTUAL DIMENSIONS FOR WINDOWS				10	POCKET DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BATHROOM DOOR		
ALL GL	AZING SHALL	BE SPECTRA	WITH A CERTIFYING L	COATED TO M	IEET TITLE 24 E	ENERGY REQU							5'- ^{6"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM CLOSET DOOR		
			MUM INFILTRATION RE TH C.B.C. 1203.4 AND R		PER SECTION	116 E.E.S.D					12	SINGLE DOOR	2'- ⁴ "	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	CLOSET		
EVERY	SLEEPING R	OOM SHALL H	IAVE ONE OPERABLE V	VINDOW FOR E			SCUE WITH A MIN. NET CLEAR OPENABLE AREA OF 5.	SQ. FT, MIN. NE	T CLEAR OPENABLE HEIGH	T OF 24" MIN., NET	13	SINGLE DOOR	2'- ⁴ "	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	WATER HEATER	LOUVERED	
			l height of not mor Rmanently identifiei									R NOTES									
	CLOSEI -GLAZIN	D POSITION A	ND WITHIN 24" OF HING IE EXPOSED AREA IS G A STAIRWAY AND LESS	GE SIDE OF AN GREATER THAI	N IN-SWING DO N 9SQ.FT, BOT	OR. (R308.4.2) TOM IS LESS T	LOOR. SAFETY GLAZING REQUIRED ON A WALL LESS " "HAN 18 IN. AND AT LEAST 36 IN. ABOVE THE FLOOR, A					INCHES ABOVE THE -GLAZING WITHIN A 2	AND ENCLOS STANDING SU 24" ARC OF A	URES FACIN JRFACE WITH DOOR THAT	HIN THE CO	MPARTMEI AN 60 INCH	NT AND WITHIN	60 INCHES FLOOR. S	EAM ROOMS, BATHTUBS, SHOWERS A S HORIZONTALLY OF THE WATER'S EI AFETY GLAZING REQUIRED ON A WAL	DGE (CRC R308.4.5)	
	-GLAZIN	NG IN GUARD		DINGS, AND RA	AMPS WITHIN 3	6in. Horizon	TALLY OF THE WALKING SURFACE LESS THAN 36IN. AI	3OVE THE WALKII	NG SURFACE			THE BOTTOM TREAD -GLAZING IN GUARD -GLAZING ADJACENT SED	IE EXPOSED / OF A STAIRV S AND RAILIN TO STAIRW/	AREA IS GRE NAY AND LES GS AYS, LANDING RCE OF NOIS	EATER THAI SS THAN 36 GS, AND RA E MUST BE	N 9SQ.FT, E IN. ABOVE MPS WITHI MIN. STC 4	OTTOM IS LESS THE LANDING N 36IN. HORIZC 0 DB	S THAN 18 I	IN. AND AT LEAST 36 IN. ABOVE THE F F THE WALKING SURFACE LESS THAN T PERMITTED		



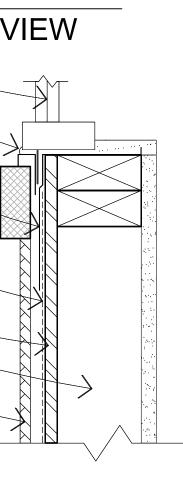


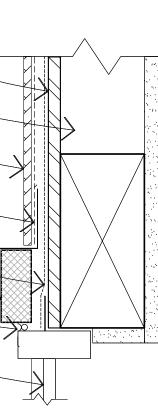
WINDOW DETAILS SCALE: 3"=1'-0"

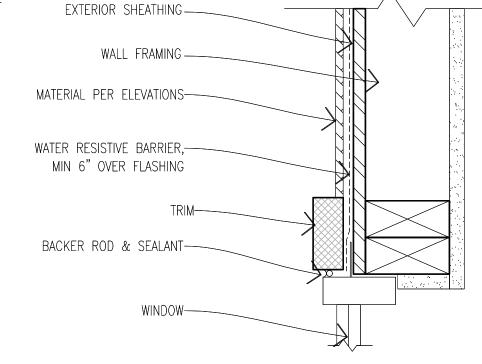
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SECTION VIEW







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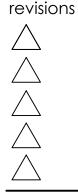
PLAN VIEW

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

Window & Door Schedules

description



project

City of Riverside Pre-Approved ADU Program

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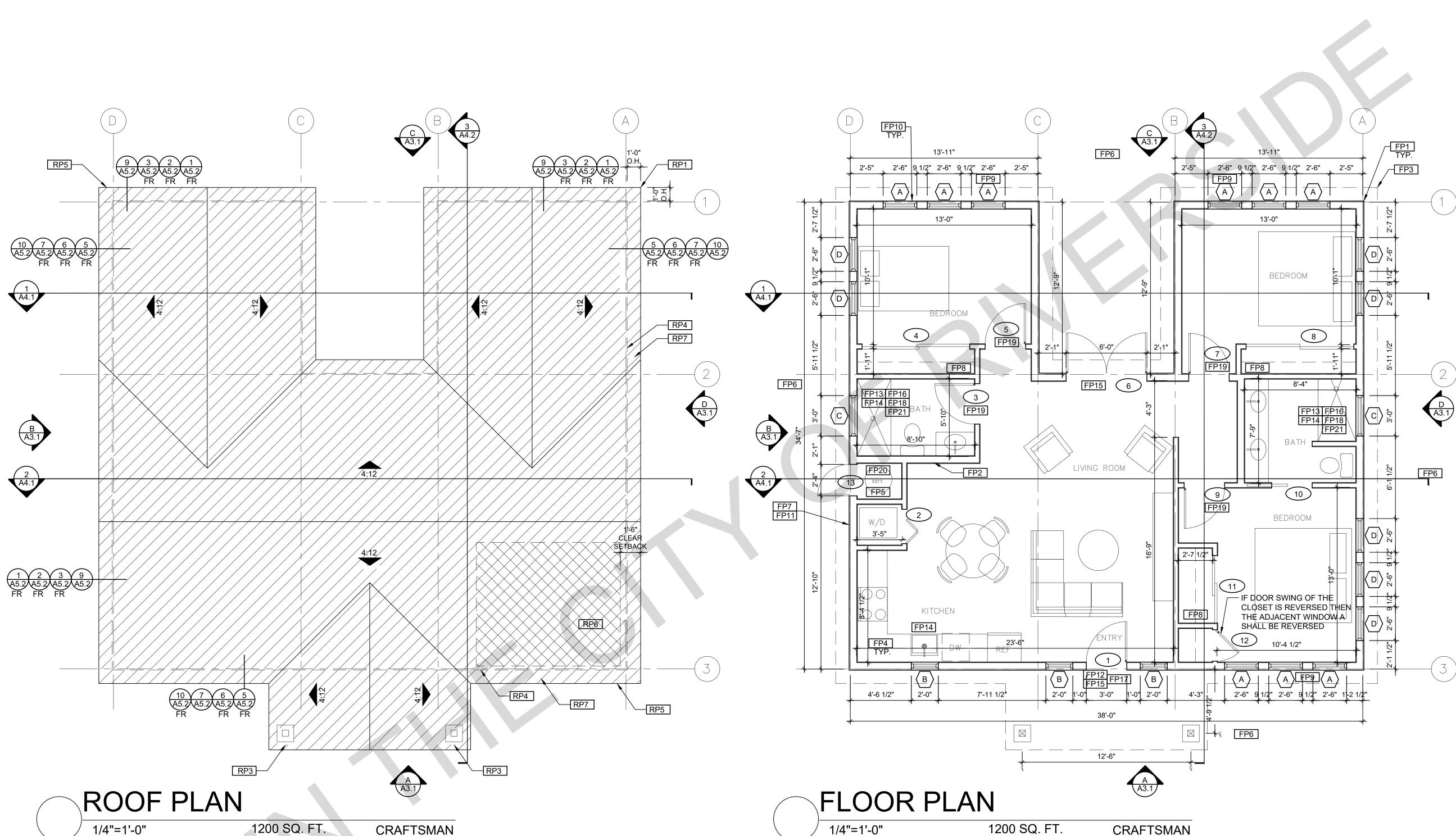
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RP1	LINE OF ROOF OVERHANG

- RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2
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FLOOR PLAN KEYNOTES

THRESHOLD TO THE BOTTOM OF THE STOP

FP1	STUD WALL SIZED PER STRUCTURAL	FP13 SHOWER ENCLOSUR
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING	GLAZING IN THE WAL CONTAINING BATHTU SPAS, WHIRLPOOLS,
FP3	LINE OF OVERHANG ABOVE	INDOOR/OUTDOOR S BOTTOM EXPOSED E
FP4	36" HIGH COUNTER	THAN 60" ABOVE THE EXCEPTION: GLAZING
FP5	WATER HEATER	MEASURED HORIZON EDGE OF A BATHTUB
FP6	SLOPE SURFACE AWAY FROM BUILDING	OR SWIMMING POOL AS TO MAINTAIN NOT
FP7	DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING	
FP8	CLOSET SHELF AND POLE	FP14 PER SECTION 301.1.1 1101.3(c), ALL PLUMB
FP9	EMERGENCY EGRESS WINDOW	COMPLIANT WATER - FIXTURES. SEE MECH
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	FURTHER INFORMAT FP15 LANDING OR FLOOR F EXTERIOR DOOR. WIE DOOR SERVED AND F MEASURED IN THE DI
FP11	VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION	LANDINGS SHALL BE NOT TO EXCEED ¹ / ₄ " PE
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	OR FINISHED FLOORS BE MORE THAN 1.5" L THRESHOLD FOR OU 7.75" FOR DOORS TH/ (CRC 3111.3.1) DOORS OTHER THAN SHALL BE PROVIDED MORE THAN 7.75" BEL THRESHOLD (CRC 31

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

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

R REQUIRED AT EACH SIDE OF VIDTH 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 RS 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 D WITH LANDINGS OR FLOORS NOT ELOW THE TOP OF THE THRESHOLD (CRC 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

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

WITH MANUFACTURERS' RECOMMENDATIONS.

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.

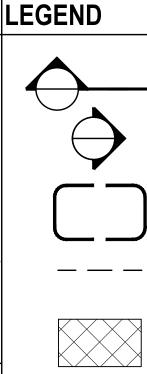
FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (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: 1200 SF.

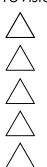
VENTILATION AREA REQUIRED: 1200SF./150SF.= 8.00 SF. CONVERT TO SQ. IN: 8.00 SF. x 144 = 1152 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 1152 SQ. IN.



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

description Roof &





project

revisions

City of Riverside Pre-Approved ADU Program

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1. THE USE OF THIS INFORMATION IS

IT WAS PREPARED FOR THE PERMIT READY

ROOF ABOVE

SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2

SECTION CUT

ELEVATION

CALLOUT

DETAIL

DRAWING REF.

WALL BELOW OR

ROOFING

WINDOW SYMBOL (x) X'-X" VARIES VAULTED CEILING

X:12

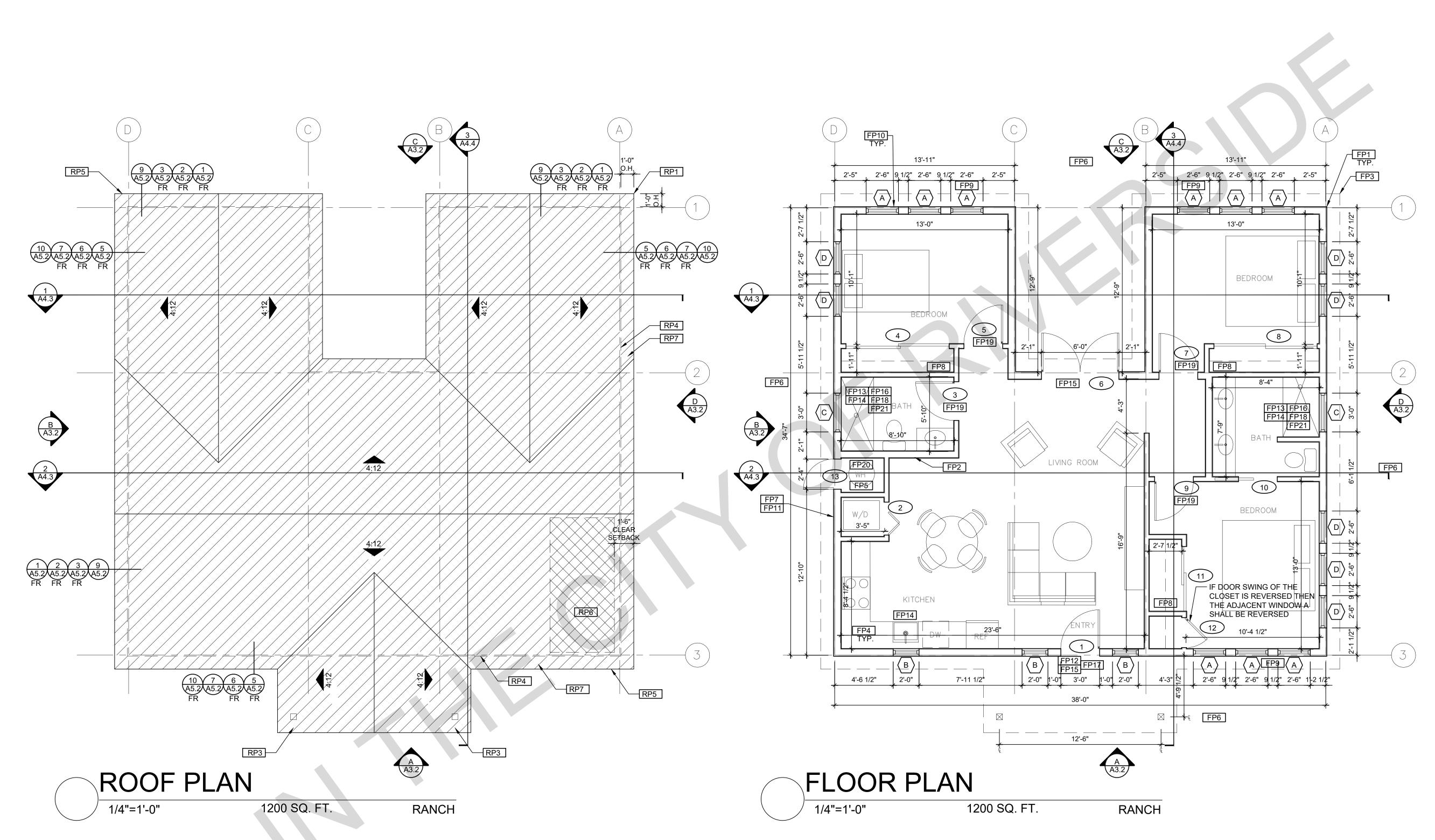
X KEYNOTE

(x)

ROOF SLOPE

CEILING HEIGHTS

DOOR SYMBOL



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FP4	36" HIGH COUNTER		THAN 60" ABOVE THE STANDII EXCEPTION: GLAZING THAT IS
FP5	WATER HEATER		MEASURED HORIZONTALLY, F EDGE OF A BATHTUB, HOT TU
FP6	SLOPE SURFACE AWAY FROM BUILDING		OR SWIMMING POOL. SHOWE AS TO MAINTAIN NOT LESS TH
	DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING		UNOBSTRUCTED OPENING FC
	CLOSET SHELF AND POLE	FP14	PER SECTION 301.1.1 CALGRE 1101.3(c), ALL PLUMBING FIXTU COMPLIANT WATER -CONSER
FP9	EMERGENCY EGRESS WINDOW		FIXTURES. SEE MECHANICAL
	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	FP15	FURTHER INFORMATION LANDING OR FLOOR REQUIRE EXTERIOR DOOR. WIDTH TO B DOOR SERVED AND HAVE A M MEASURED IN THE DIRECTION
	VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION		LANDINGS SHALL BE PERMITT NOT TO EXCEED $\frac{1}{4}$ " PER FOOT,
11 12	MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HINGED AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90°. 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		OR FINISHED FLOORS AT EGR BE MORE THAN 1.5" LOWER TH THRESHOLD FOR OUTWARD S 7.75" FOR DOORS THAT DO NO (CRC 3111.3.1) DOORS OTHER THAN THE REC SHALL BE PROVIDED WITH LAI MORE THAN 7.75" BELOW THE THRESHOLD (CRC 3111.3.2)

JRE MUST BE TEMPERED. ALLS/DOORS FACING OR ITUBS, 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 OPENING FOR EGRESS. 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 D HAVE A MIN 36 INCH DEPTH DIRECTION OF TRAVEL. EXTERIOR BE PERMITTED TO HAVE A SLOPE PER FOOT, (CRC 3111.3) LANDINGS ORS AT EGRESS DOOR SHALL NOT LOWER THAN THE TOP OF THE OUTWARD SWINGING DOORS OR THAT DO NOT SWING OUTWARD.

AN THE REQUIRED EGRESS DOOR ED WITH LANDINGS OR FLOORS NOT 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.

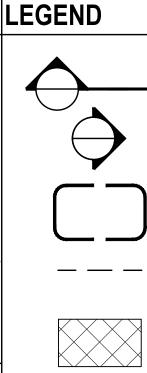
FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (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: 1200 SF.

VENTILATION AREA REQUIRED: 1200SF./150SF.= 8.00 SF. CONVERT TO SQ. IN: 8.00 SF. x 144 = 1152 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 1152 SQ. IN.



SECTION CUT

ELEVATION

CALLOUT

DETAIL

DRAWING REF.

WALL BELOW OR

SOLAR ZONE. REFER

TO SOLAR NOTES ON

ROOF ABOVE

SHEET G0.2

ROOFING

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

description Roof & Floor Plan

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X KEYNOTE

DOOR SYMBOL

WINDOW SYMBOL

CEILING HEIGHTS

VAULTED CEILING

ROOF SLOPE

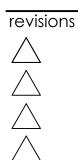
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City of Riverside Pre-Approved ADU Program

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

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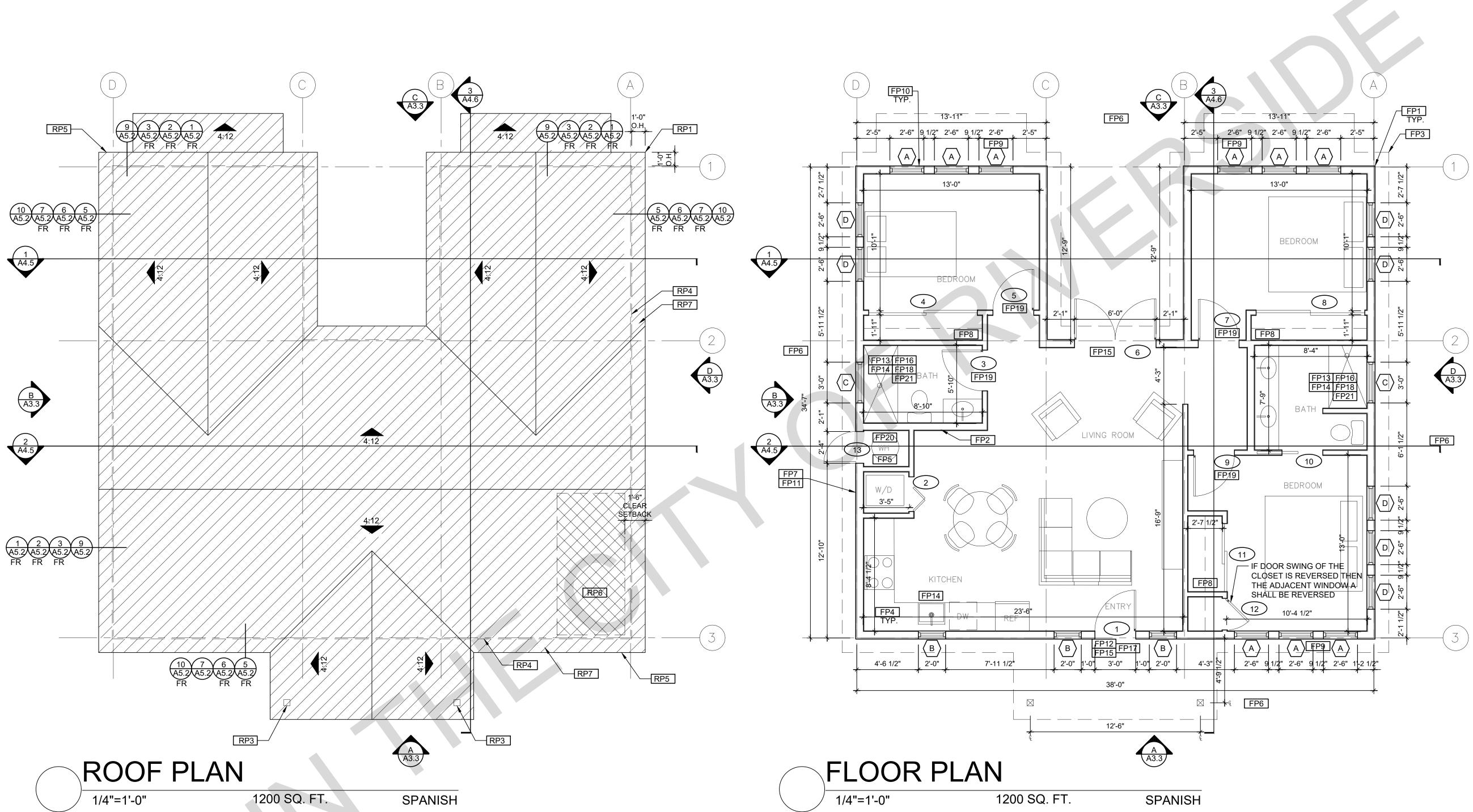
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ROOF	KEYNOTES
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RP1	LINE OF ROOF OVERHANG

- 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
- RP7 RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX 1/4", MIN $\frac{1}{16}$ " 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

FLOOR PLAN KEYNOTES

FP1	STUD WALL SIZED PER STRUCTURAL		VER ENCLOSURE MUST BE TEMPERED.
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING	CONT	ING IN THE WALLS/DOORS FACING OR AINING BATHTUBS, SHOWERS, HOT TUBS, , WHIRLPOOLS, SAUNAS, STEAM ROOMS AND
FP3	LINE OF OVERHANG ABOVE		DR/OUTDOOR SWIMMING POOLS WHERE THE OM EXPOSED EDGE OF THE GLAZING IS LESS
FP4	36" HIGH COUNTER		60" ABOVE THE STANDING SURFACE. PTION: GLAZING THAT IS MORE THAN 60",
FP5	WATER HEATER		URED HORIZONTALLY, FROM THE WATER'S OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL
FP6	SLOPE SURFACE AWAY FROM BUILDING	.	WIMMING POOL. SHOWER DOORS SHALL OPEN MAINTAIN NOT LESS THAN A 22-INCH
FP7	DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING		STRUCTED OPENING FOR EGRESS.
FP8	CLOSET SHELF AND POLE	1101.3	ECTION 301.1.1 CALGREEN AND CIVIL CODE 5(c), ALL PLUMBING FIXTURES SHALL BE
FP9	EMERGENCY EGRESS WINDOW	FIXTU	'LIANT WATER -CONSERVING PLUMBING RES. SEE MECHANICAL / PLUMBING PLANS FOF HER 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 LAND EXTEN DOOR MEAS LAND	NG OR FLOOR REQUIRED AT EACH SIDE OF RIOR DOOR. WIDTH TO BE NOT LESS THAN THE SERVED AND HAVE A MIN 36 INCH DEPTH URED IN THE DIRECTION OF TRAVEL. EXTERIOF NGS SHALL BE PERMITTED TO HAVE A SLOPE
	PLUMBING PLANS FOR FURTHER INFORMATION		O EXCEED $\frac{1}{4}$ " PER FOOT, (CRC 3111.3) LANDING NISHED FLOORS AT EGRESS DOOR SHALL NOT
[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	THRE 7.75" I (CRC DOOF SHALI MORE	ORE THAN 1.5" LOWER THAN THE TOP OF THE SHOLD FOR OUTWARD SWINGING DOORS OR FOR DOORS THAT DO NOT SWING OUTWARD. 3111.3.1) S OTHER THAN THE REQUIRED EGRESS DOOR BE PROVIDED WITH LANDINGS OR FLOORS NO THAN 7.75" BELOW THE TOP OF THE SHOLD (CRC 3111.3.2)

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LEGEND

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FP17 DOOR BELL BUTTON TO BE NO MORE THEN 48" ABOVE EXTERIOR FLOOR OR LANDING

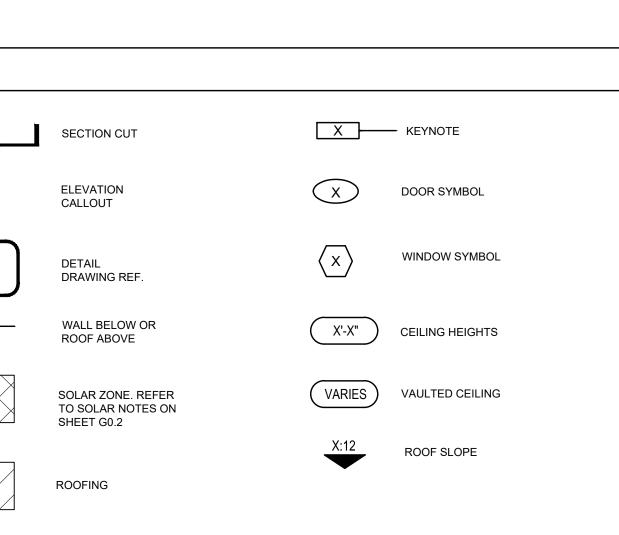
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APPROVED BY THE ENFORCING AGENCY. FP19 DOOR TO HAVE A NET CLEAR

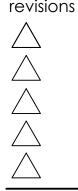
OPENING OF 32" FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(N)

FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH



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

description Roof & Floor Plan Spanish



Pre-Approved ADU Program

project City of Riverside

PATH STUDIO OR ITS ARCHITECTS.

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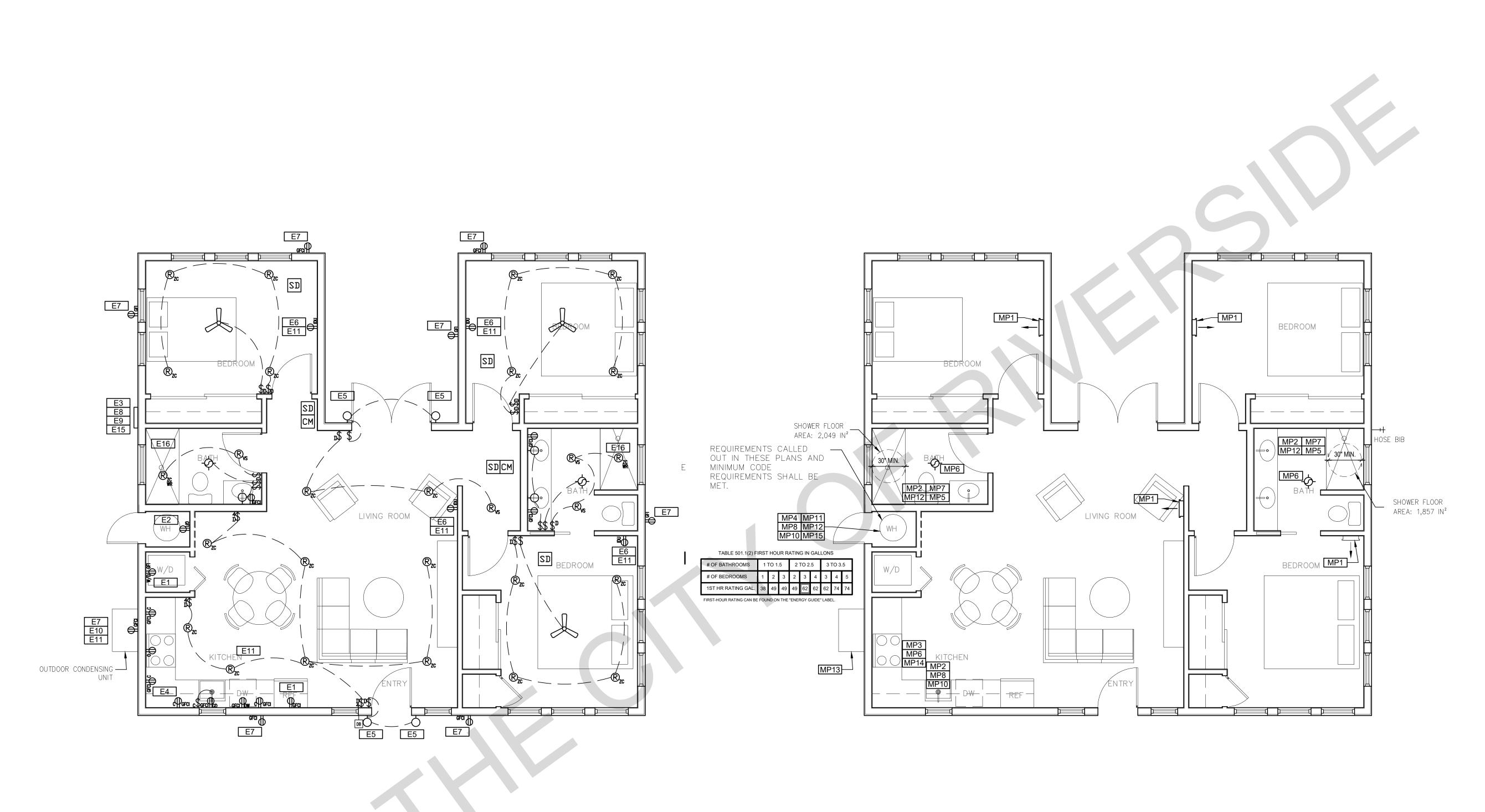
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BY USING THESE PERMIT READY CONSTRUCTION

DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE





IMP2 Metric conservance process new units and constraints and constraint and constraints and con	MECHANICAL / PLUMBING KEYNOTES	ELECTRICAL KEYNOTES		ELECTRICAL LEGEND
WATER PIPE WITHIN 5' OF WATER HEATER BOTH REQUIRE 1" INSULATION MOTION. STRAPPING SHALL BE AT POINTS WITH THE UPPER ONE-THIRD AND LOWER ONE-THIRD OF ITS VERTICAL DIMENSIONS. F9 SEPARATE GROUND ELECTRODE SYSTEM PER CEC 250.4 E16 LIGHTS OVER TUBS AND SHOWERS ARE TO BE MARKED FOR SUPPLY AIR DIFFUSER, WALL MOUNTED	MP1 INDOOR UNIT MINI SPLIT SYSTEM. MP2 WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE NO MORE THAN 128 GAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 128 GAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 128 GAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 128 GAL. OF WATER PER FLUSH, LAVATORIES NO TO 12 GPM, KITCHEN FAUCETS NOT TO EXCEED 1.8 GPM AT EXCEED 2.260L/OS YER MIN. AT 60 PSI IND MUST DEFAULT TO A MAX, FLOW RATE OF 1.8 GALLONS PER MIN. AT 60 PSI, AND BUST DEFAULT TO A MAX, FLOW RATE OF 1.8 GALLONS 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 SECTIONS 407, 408, 411, 412 AND SECTION 30.1.1 CALGREEN CODE AND GIVIL CODE TIME SURFACE (CMC 504.3) MP3 EXHAUST HOOD ABOVE? TO BE SMOOTH METALLIC INTERIOR SURFACE (CMC 504.3) MP4 NEW WATER HEATER PER T24 REQUIREMENTS. TO HAVE CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2 ABOVE THE BASE OF THE HEATER PER T24 REQUIREMENTS. TO HAVE CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2 ABOVE THE BASE OF THE HEATER PER T24 REQUIREMENTS. TO HAVE CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2 ABOVE THE BASE OF THE HEATER THAT ALSO ALLOWS GRAVITY DRAINAGE PLEASE SEE TABLE 501.1(2) ON THIS SHEET FOR FIRST HOUR RATING IN GALLONS MP5 CONTROL VALVES IN SHOWERS, BATHTUBS, & BIDETS MUST BE PRESSURE BALANCED OR THERMOSTATIC MIX VALVES MP6 MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS MP7 CLEARANCE FOR WATER REATER DAMIN OF 24' IN FRONT, AND 16' FROM ITS CENTER TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS MP76 MP71	ENGTH ST UCHES TOTHES E1 DEDICATED 30 AMP/ 240V POWER FOR ELECTRIC DRYER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE E10 OUTDOOR CONDENSING UNIT RECEPT. INSTALLED AT AN ACCESSIBLE LOCATIO OF THE HEATING AND COOLING EQUIP PROJUMENT THIS RECEPTACLE SHELL COOL OF THE HEATING AND COOLING EQUIP ELECTRIC READY 150.0(u) FOR REQUIREMENTS IL LESS BE NOT DRYER E2 OUTLET FOR NEW ELECTRIC HYBRID HEAT PUMP WATER HEATER WITHIN 3' OF WATER HEATER. SEE ELECTRICAL NOTE #16 ON G0.2 FOR MCRE INFORMATION E11 A DISCONNECTING MEANS CAPABLE OI INFC.CONDITIONING AND REFRIGERATIN INCLUDING AND CRETGREAT INCLUDING MOTOR-COMPRESSORS AN THE CONDUCTOR IS REQUIRED BETERMINED BY OWNER SOTH THE ATER ALVES S PER E4 OUTLET AT COUNTER HEIGHT - SHALL COATION TO BE DETERMINED BY OWNER E12 PER CEC 2022 150.0(N).1.a: THE DESIG 3 FEET FROM THE WATER HEATER AND COUNTERTOPS 12" X 24" LONG (OR GREATER) SHALL HAVE AT LEAST ONCE RECEPTACLE G OUTLOCK RECEPTACLE DUTLET DEDICATED FOR INDOOR HVAC UNIT E13 NOT USED G OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH WALL IS MORE THAN 24"; ISLAND IN PENINSULAR COUNTERTOPS 12" X 24" LONG (OR GREATER) SHALL HAVE AT LEAST ONCE RECEPTACLE E14 ALL SINGLE-FAMILY RESIDENCES THAT UNCLUING UNITS SHALL MEET THE FOL STORAGE SYSTEMS (ESS) READY REQUIRED TO BE HIGH PHOTOCONTROL / MOTION SENSOR. E14 ALL SINGLE-FAMILY RESIDENCES THAT UNCLUING UNITS SHALL MEET THE FOL STORAGE SYSTEM SIGNANTION PHOTOCONTROL / MOTION SENSOR. E14 ALL SINGLE-FAMILY RESIDENCES THAT UNCLUING UNITS SHALL MEET THE FOL STORAGE SYSTEM SIGNANT TYPE REC	ACLE OUTLET SHALL BE ION FOR THE SERVICING MENT AND SHALL BE ITHIN 25 FEET OF THE BE GFCI-WP OF DISCONNECTING NG EQUIPMENT, UO CONTROLLERS FROM ED WITHIN SIGHT FROM SECTION 440.11 INATED SPACE IS WITHIN D IS TO COMPLY WITH GO.2 T INCLUDE ONE OR TWO LLOWING ENERGY UIREMENTS. ALL INSTALLED IN EET GO.2, ELECTRIC ED TO ALLOW FUTURE N STALLED BETWEEN ATION TION TO ALLOW THE JRCE. E TO BE MARKED FOR CT TO SHOWER SPRAY E TO BE MARKED FOR CT TO SHOWER SPRAY B COURDED SHORE CARLED ONE OF AND SHALL BE DUCTED TO THE ALL SHALL BE ENERGY STAR RATED AND CONTROLLED BY A HUMIDISTAT CAPABLE OF AN ADJUSTMENT BETWEEN 50-80% HUMIDITY. IOA 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 CONTROL STAR LABALL UIREMENTS. ALL INSTALLED IN EET GO.2, ELECTRIC ED TO ALLOW FUTURE N STALLED BETWEEN ATION TION TO ALLOW THE JRCE. E TO BE MARKED FOR CT TO SHOWER SPRAY C ALLED BETWEEN ATION TON TO ALLOW THE JRCE. E TO BE MARKED FOR CT TO SHOWER SPRAY C ALLED AND AND AND AND AND AND AND AND AND AN	FIRE DETECTORS POWER/DATA Image: Simple construction of the second s



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CEPTACLE DUPLEX U.O.N.	\$	SWITCH, MOUNT AT 43" AFF	\mathbb{R}_{D}	CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB
I 0 V	\$ ₃ \$ ₄ \$ _D	THREE-WAY SWITCH FOUR-WAY SWITCH	\mathbb{R}_{zc}	CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB
_ 110 V	*□ \$_ \$_ \$_	DIMMER SWITCH 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	l	CEILING FAN/LIGHT COMBO	Ю	WALL MOUNTED LIGHT
	\sim		J	JUNCTION BOX FLUSH CEILING MOUNTED
OUTLET	(CIRCUIT WIRING	-Q _{uc}	UNDER COUNTER LIGHTING
LEX LOCATION IN	\Box	DOOR BELL	Ū,	LOW VOLTAGE, LANDSCAPE LIGHT
	I	BUTTON		FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)
H BA		EXHAUST FAN REQUIR		
FAN UNL CON	S SHALL BE ESS FUNCT ITROLLED E	ENERGY STAR COMPLIANT A IONING AS A COMPONENT OF BY A HUMIDITY CONTROL. A. H	ND BE D A WHOL UMIDITY	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
UTIL	IZE MANUA	L OR AUTOMATIC MEANS OF A	ADJUSTN	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)
		L ENERGY LIGHTING REC		
EFF	ICACY.			AGE RATING OF THE FIXTURES MUST BE HIGH
INST	ALLED LUN			ROOMS AND WALK-IN CLOSETS, AT LEAST ONE I OCCUPANCY OR VACANCY SENSOR PROVIDING

*ALL THROUGHOUT THE RESIDENCE, INCLUDING THE GARAGE AND EXTERIOR, SHALL BE HIGH EFFICACY.

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project

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City of Riverside Pre-Approved ADU Program

 \triangle description Mechanical/ Electrical/ Plumbing Plan

date

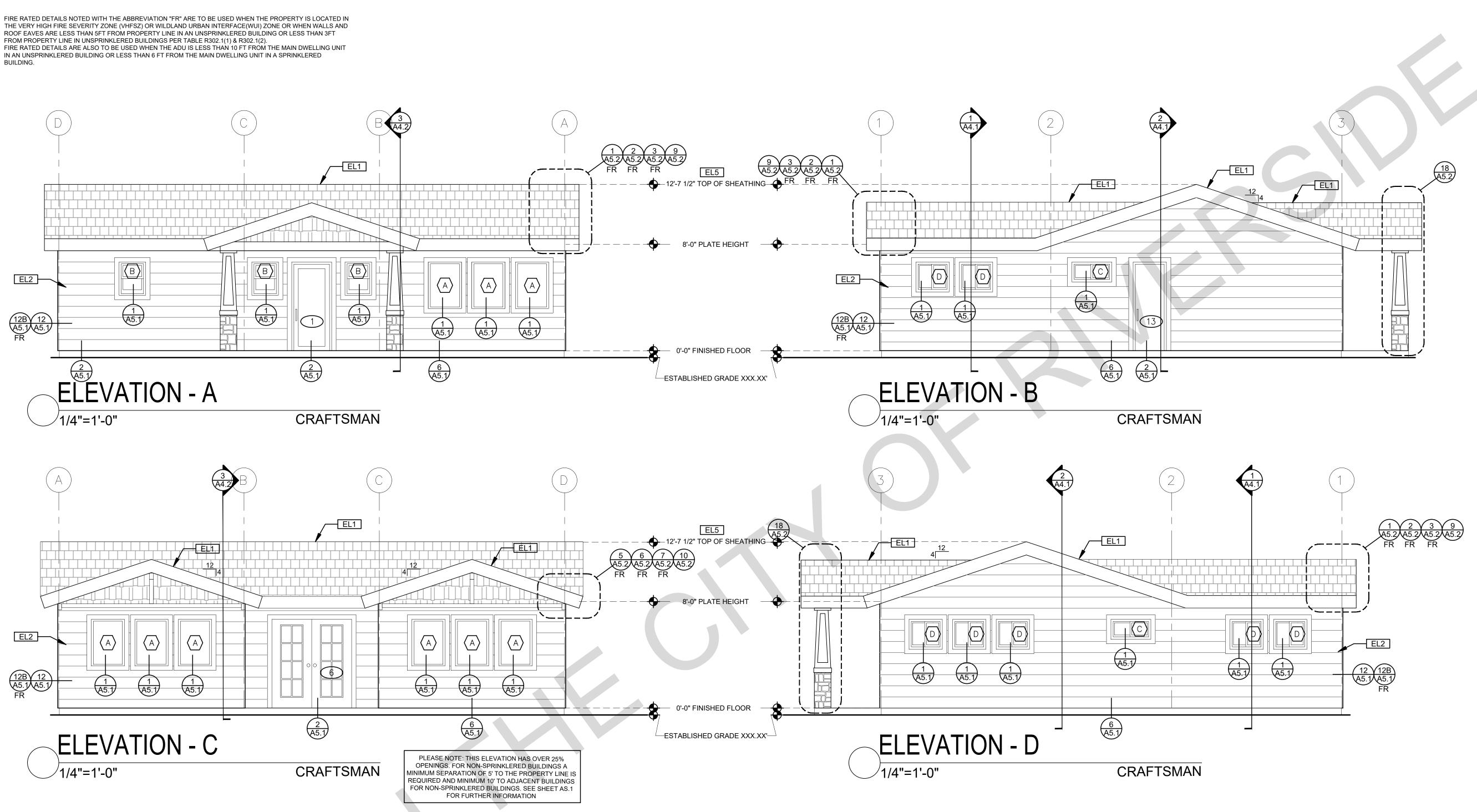
project no. Riverside ADU

drawn by

DESIGN PATH STUDIO

October 2023

sheet no. A2.1



ELEVATION KEYNOTES

- EL1 MINIMUM CLASS A ROOF ASSEMBLY SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS
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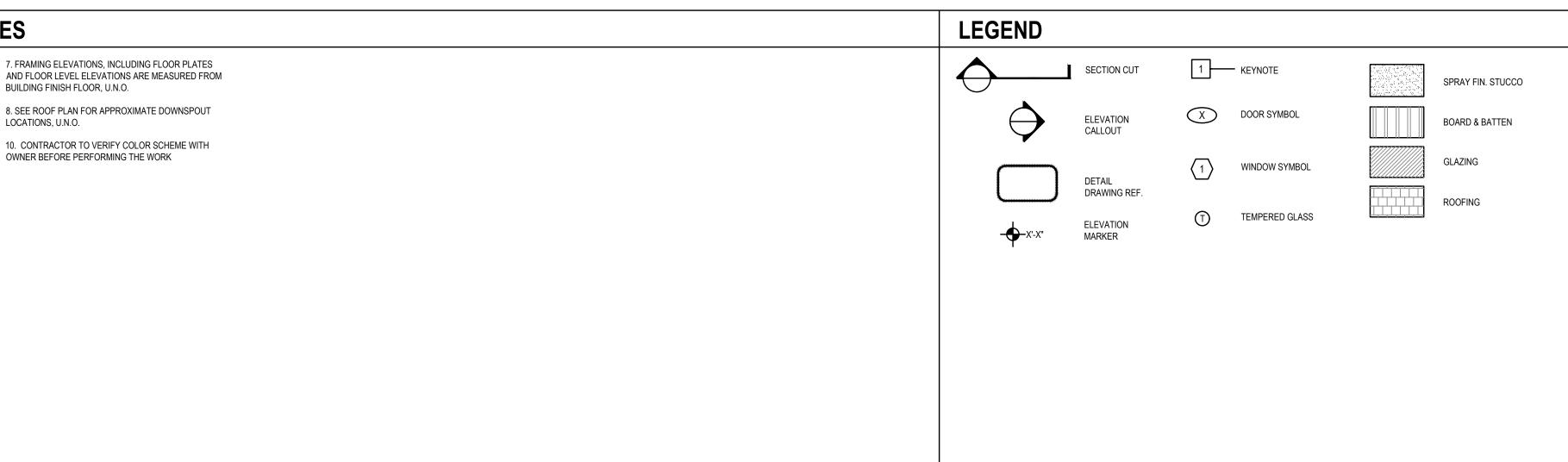
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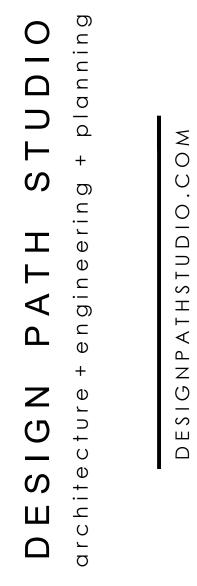
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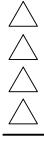
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project

City of Riverside Pre-Approved ADU Program

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description

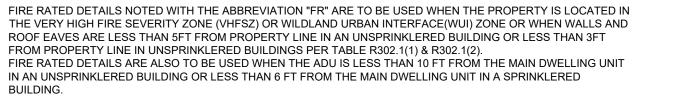
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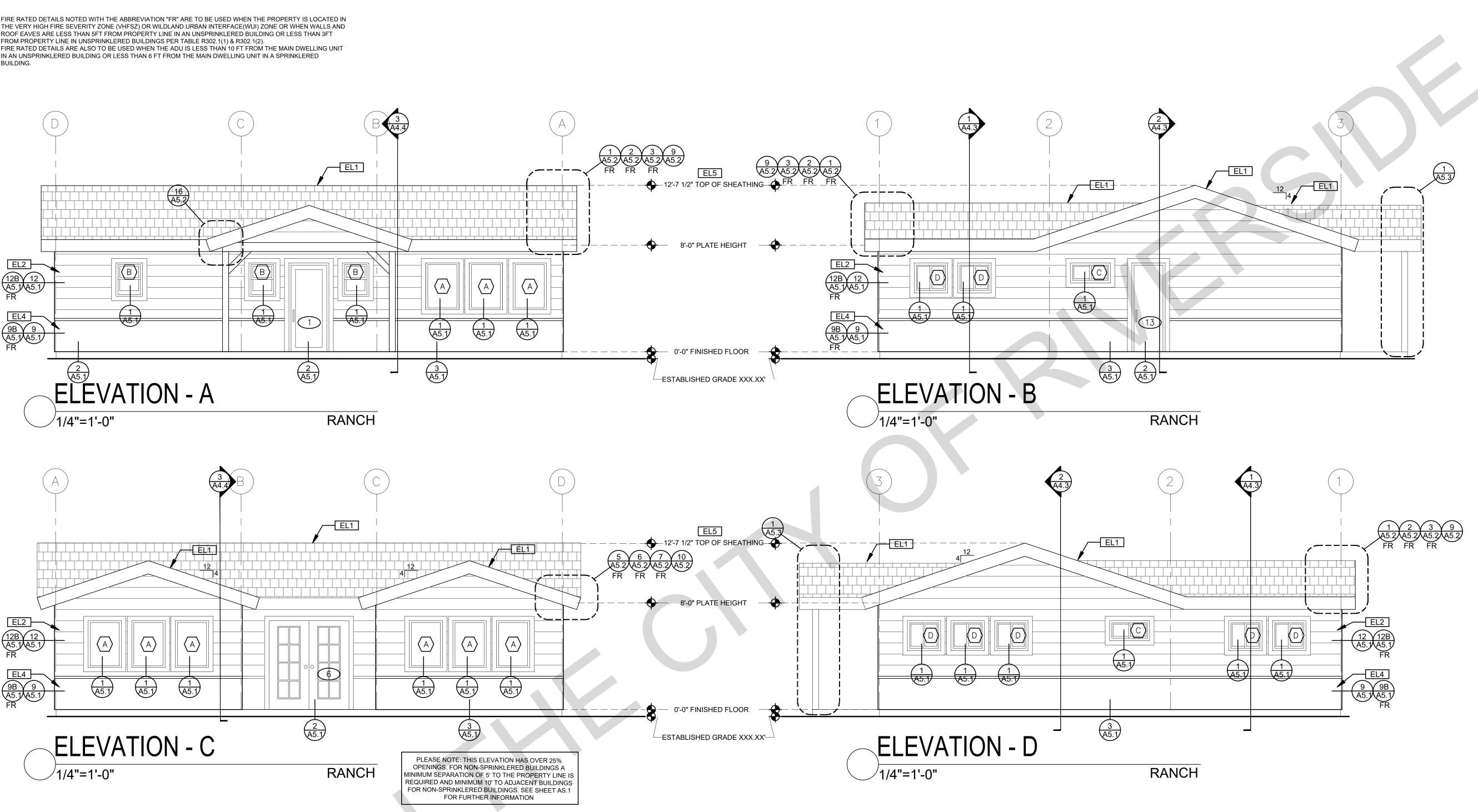
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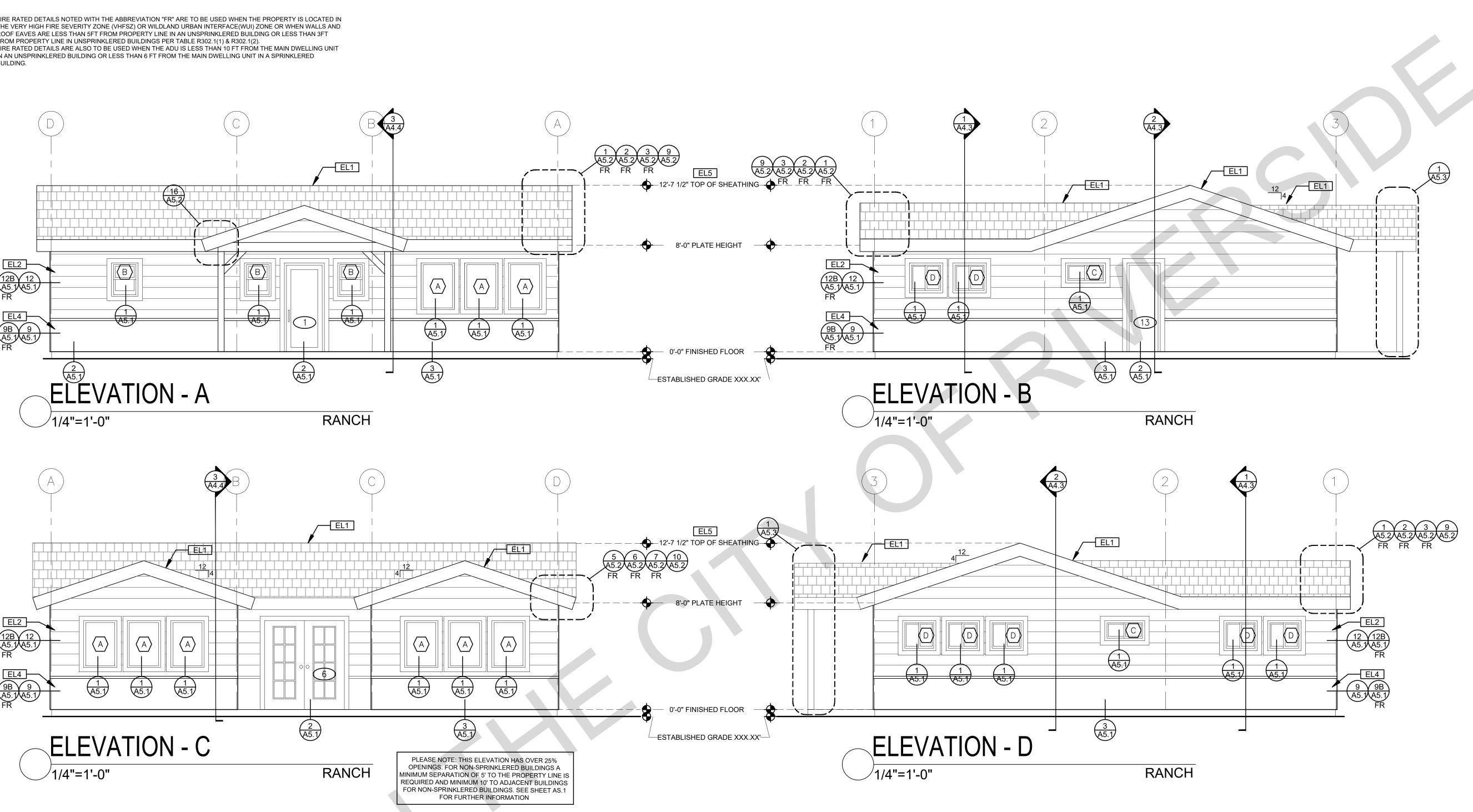
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date October 2023 project no. Riverside ADU DESIGN PATH STUDIO drawn by

sheet no. A3.







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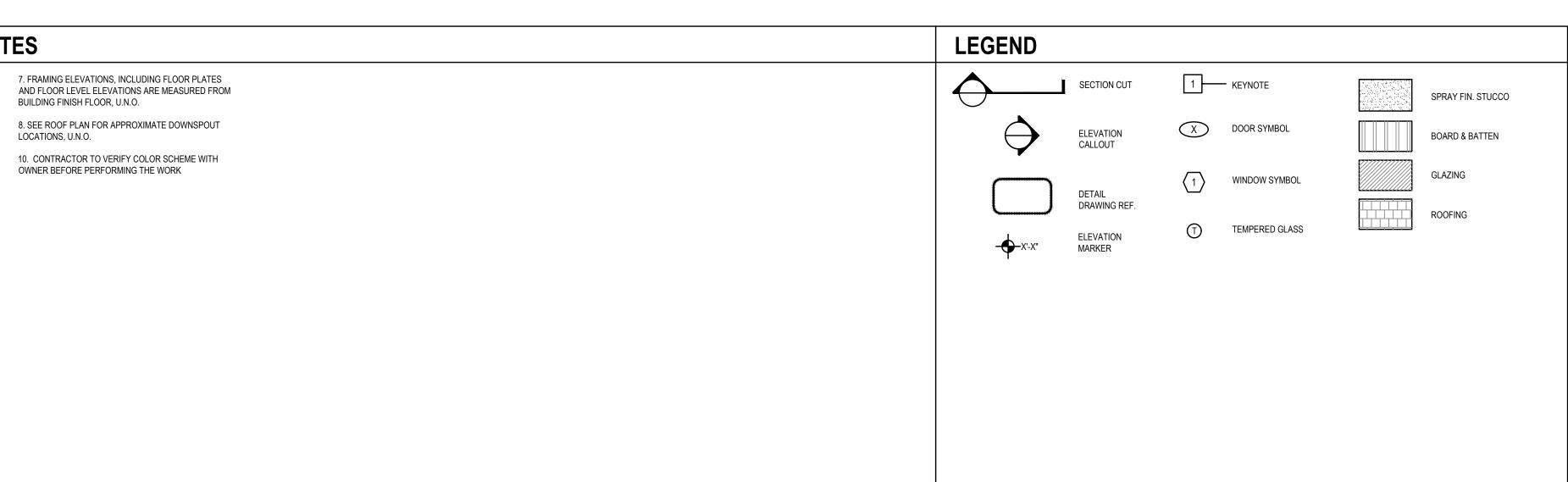
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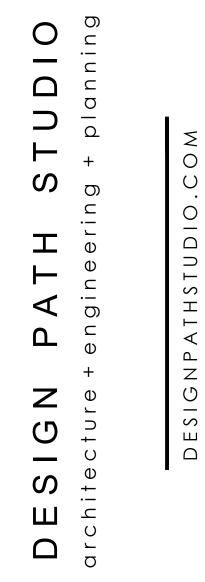
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City of Riverside Pre-Approved

ADU Program

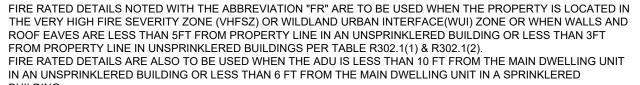
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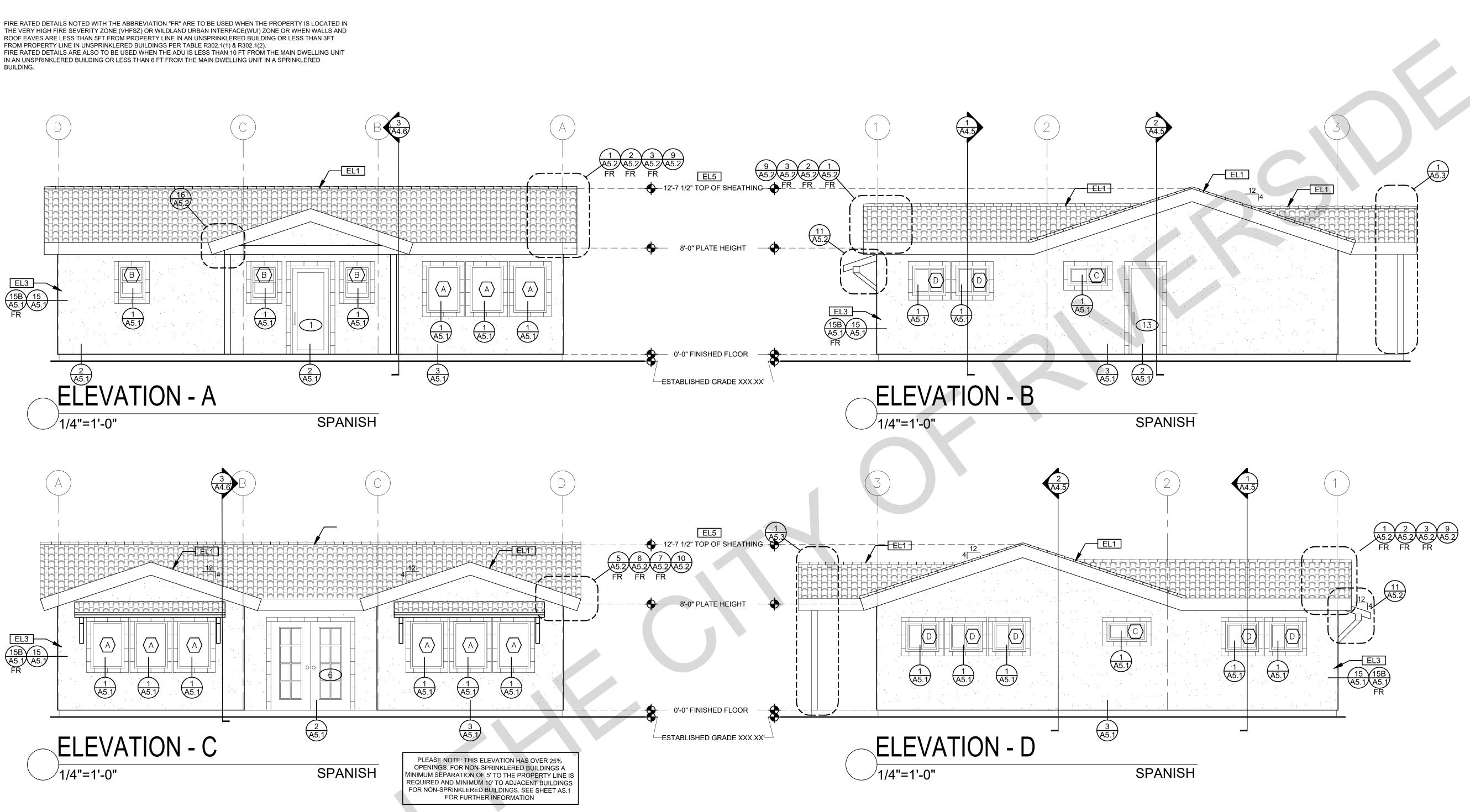
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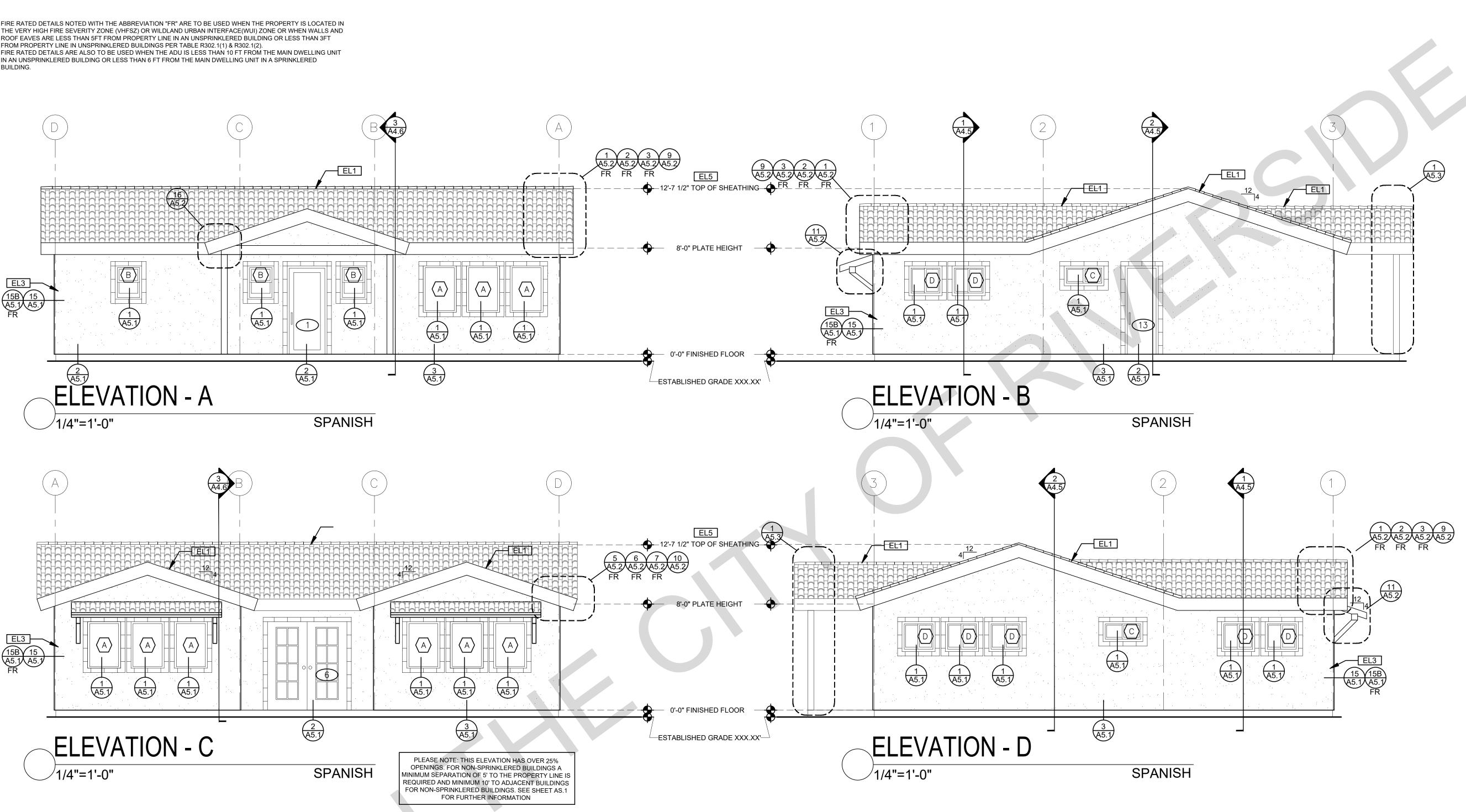
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Exterior Elevations Ranch

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







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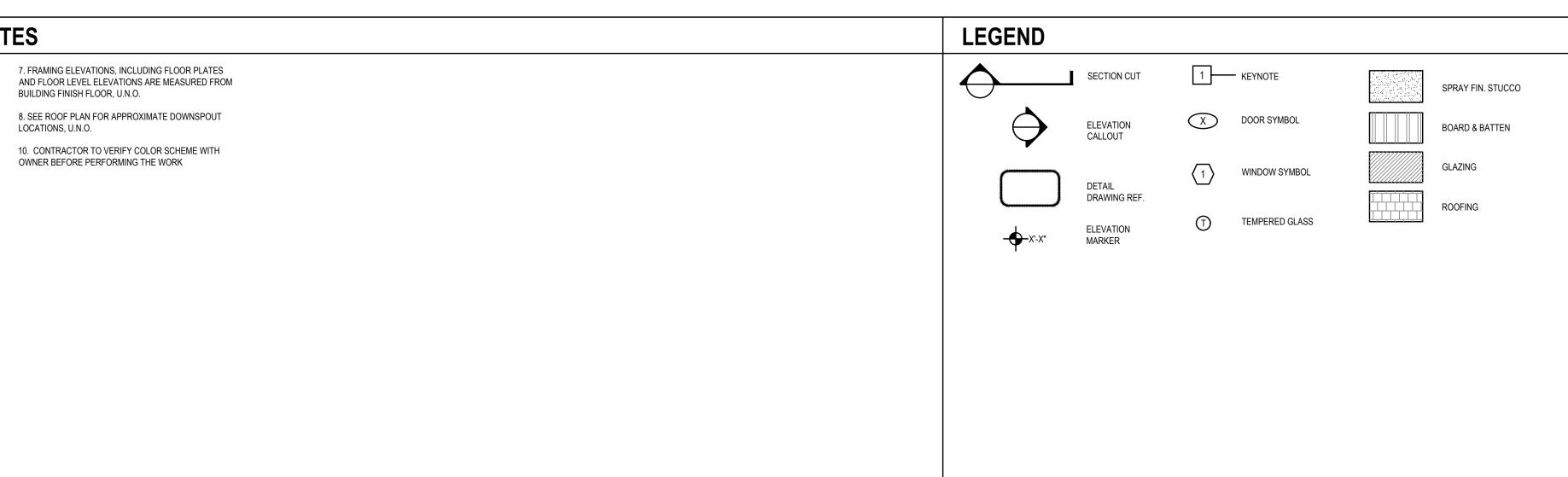
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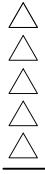
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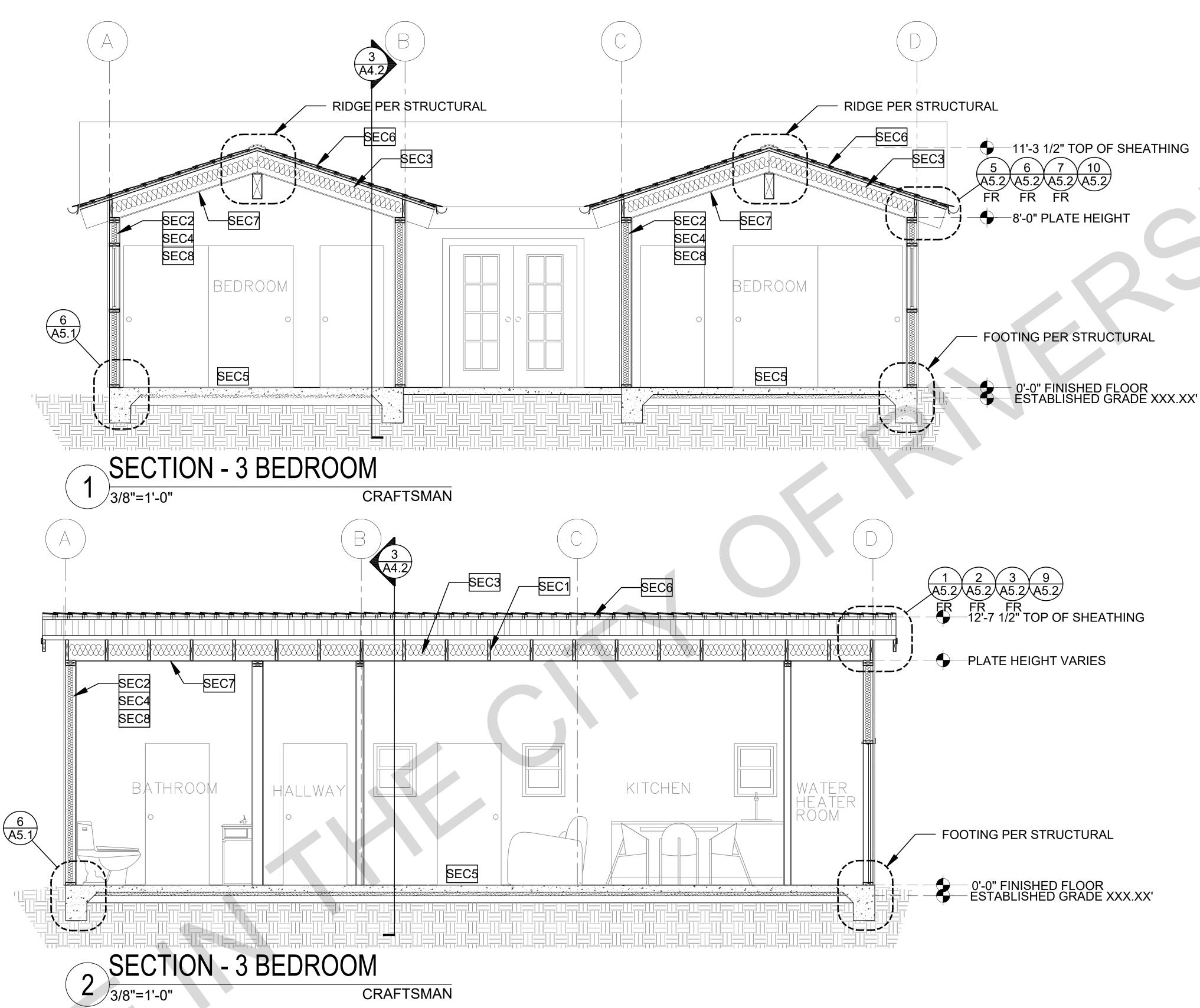
revisions



description

Exterior Elevations Spanish

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIC
sheet no.	133



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 60dBA OR ABOVE

SEC8 5/8" GYPSUM WALLBOARD

SECTION GENERAL NOTES

1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ELECTRICAL/MECHANICAL FIXTURES. ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY ALL NAILS, FASTENERS AND HARDWARE MUST BE TO MAKE A COMPLETE INSTILLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE

5. INSULATION

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 BE PROVIDED WITH SOUND INSULATION, $\frac{1}{4}$ " MIN $\frac{1}{6}$ " OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL

3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL EXHAUST FANS OR OTHER 4. WOOD SOFFIT/CEILING, SIDING & TRIM STAINLESS STEEL OR HOT-DIPPED GALVANIZED.

STAPLES ARE NOT PERMITTED INSULATION WITH AN R VALUE NOT LESS SPECIFIED WITH SECTION R302.7. IN THE TITLE 24 ENERGY CALCULATIONS. AT

BATHROOMS, LAUNDRY ROOM , AND MASTER BED/BATHROOMS INSULATION IS TO

RAFTERS TO ACCOMMODATE RECESSED LIGHTS ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS. 7. IN CONCEALED SPACES BETWEEN STAIR

STRINGERS AT THE TOP AND BOTTOM OF THE RUN. THERMAL 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 SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, & STRUCTURAL PLANS. *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 LOCATIONS PER 2022 CRC SECTION R302.11: A. SECTION R302.11-

1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, 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 HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS 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 FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION

11. SECTION R302.11.1 - FIREBLO CONSIST OF FOLLOWING MATERI 1. TWO-INCH NOMINAL NUM

- 2.TWO THICKNESS OF ONE BROKEN LAP JOINTS
- 3. THE THICKNESS OF 0.719 PANELS WITH JOINTS BAC
- STRUCTURAL PANELS 4.THE THICKNESS OF 0.75-
- JOINTS BACKED BY 0.75-5.ONE-HALF-INCH GYPSUM 6.ONE-FOURTH-INCH CEM
- 7.BATTS OR BLANKETS OF OR OTHER APPROVED M
- MANNER AS TO BE SECUR 8.CELLULOSE INSULATION ACCORDANCE WITH AST
- SPECIFIC APPLICATION

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

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project

City of Riverside Pre-Approved

ADU Program revisions

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description

Building

Craftsman

project no. Riverside ADU

A4.

October 2023

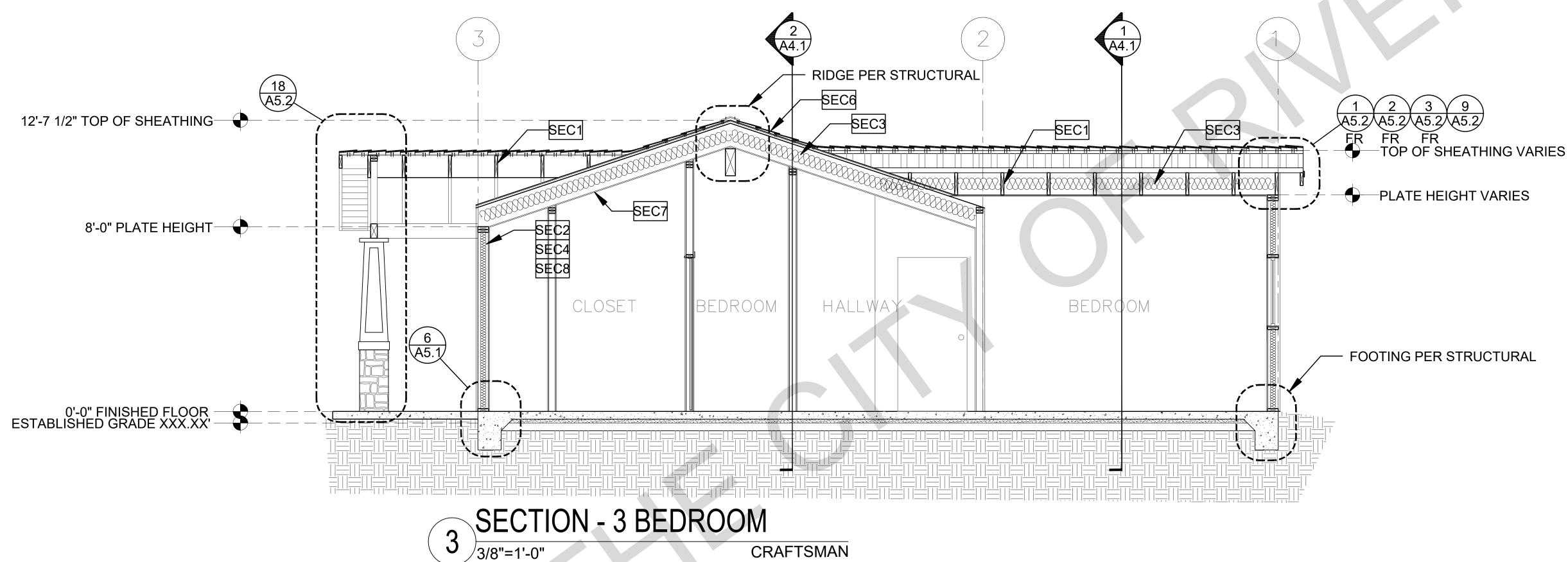
DESIGN PATH STUDIO

Sections

date

drawn by

sheet no.



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 60dBA OR ABOVE

SEC8 5/8" GYPSUM WALLBOARD

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5. INSULATION

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- 3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL EXHAUST FANS OR OTHER 4. WOOD SOFFIT/CEILING, SIDING & TRIM STAINLESS STEEL OR HOT-DIPPED GALVANIZED. STAPLES ARE NOT PERMITTED
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- BED/BATHROOMS INSULATION IS TO

RAFTERS TO ACCOMMODATE RECESSED LIGHTS ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.

7. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. THERMAL INSULATION IS TO BE FOIL BACKED BATT ENCLOSED SPACES UNDER STAIRS SHALL COMPLY

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1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, 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 HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS 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 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
- 3. THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD
- STRUCTURAL PANELS
- JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5.ONE-HALF-INCH GYPSUM BOARD
- 6.ONE-FOURTH-INCH CEMENT-BASED MILLBOARD
 - MANNER AS TO BE SECURELY RETAINED IN PLACE
 - SPECIFIC APPLICATION



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

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project

City of Riverside Pre-Approved ADU Program

revisions

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description Building

Sections

Craftsman

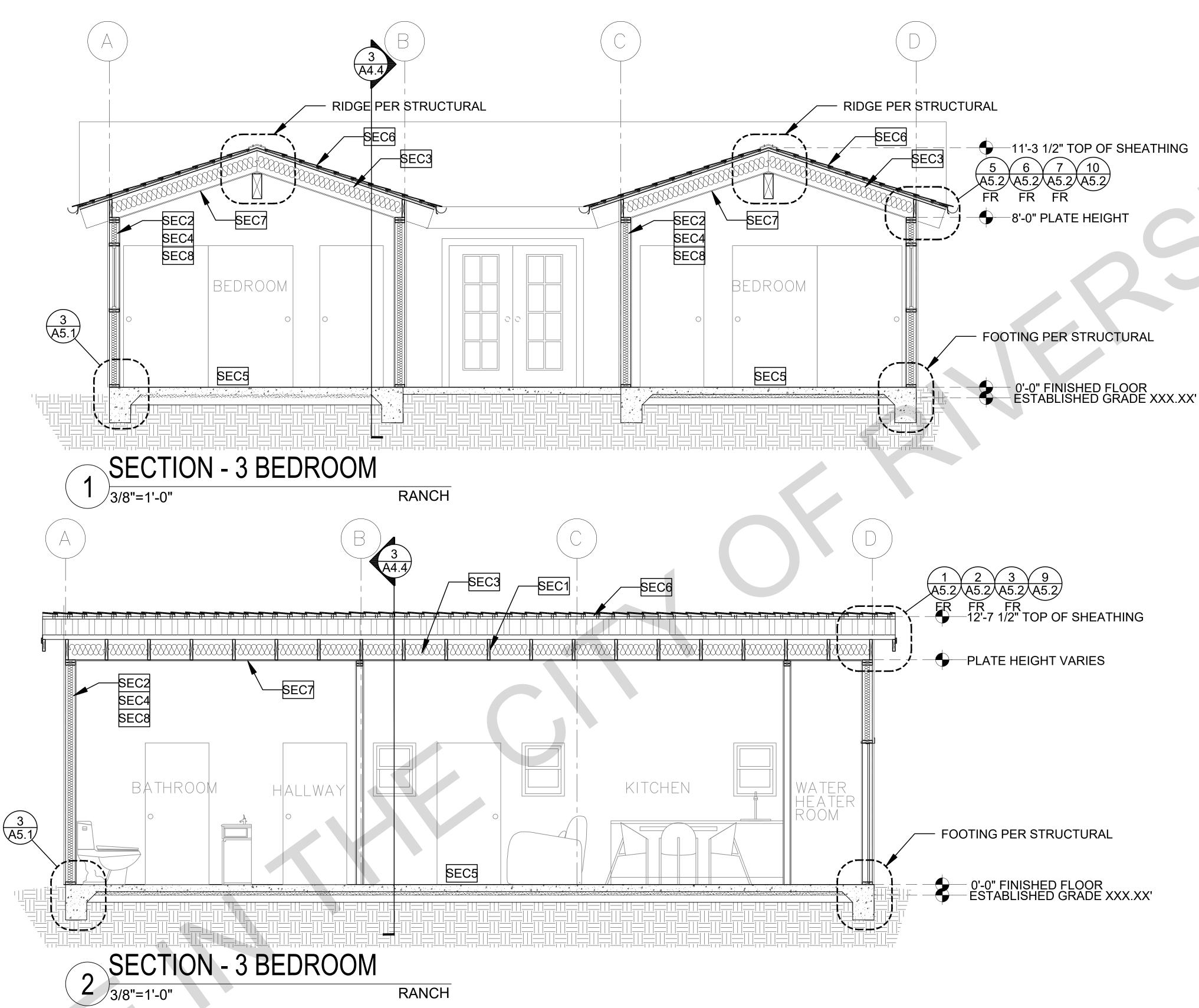
project no. Riverside ADU

October 2023

DESIGN PATH STUDIO

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	LEGEND
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project

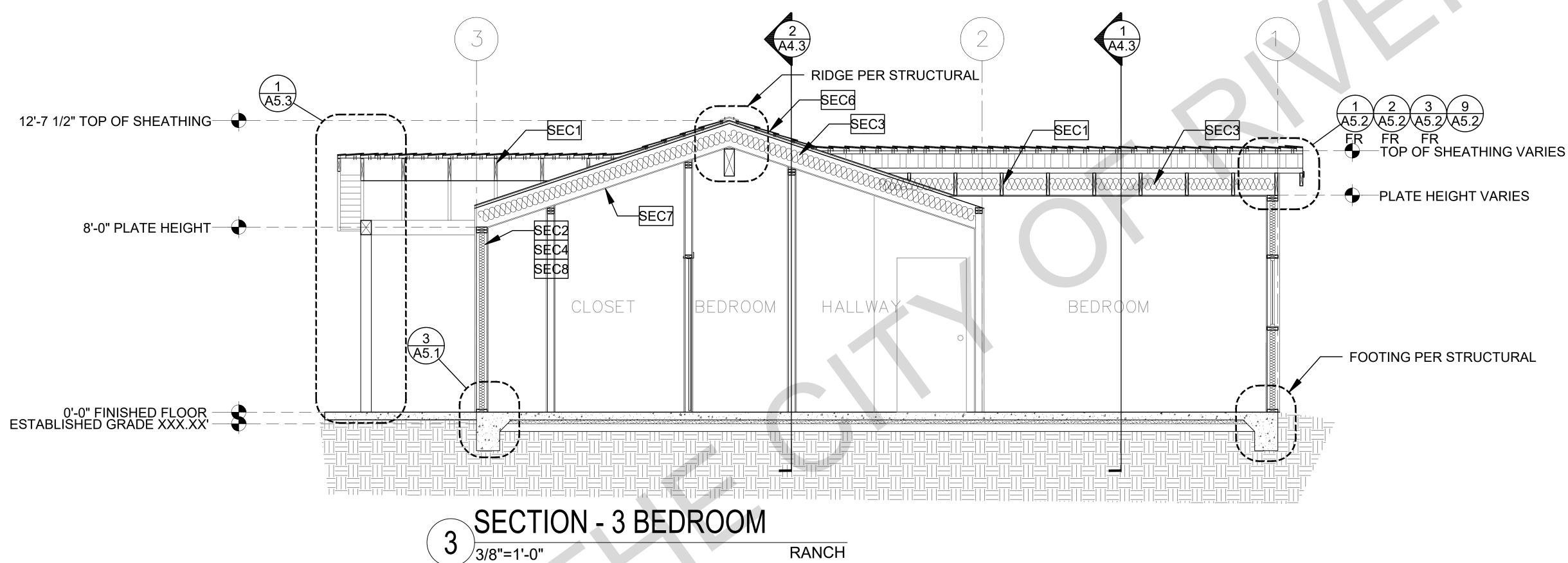
City of Riverside Pre-Approved

ADU Program

revisions \square description Building

Sections

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



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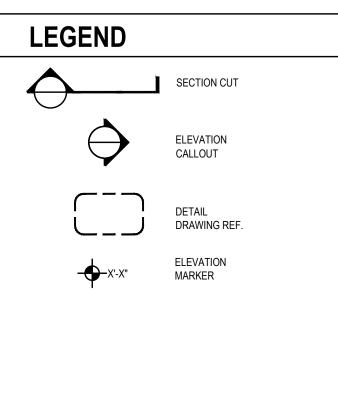
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- BROKEN LAP JOINTS
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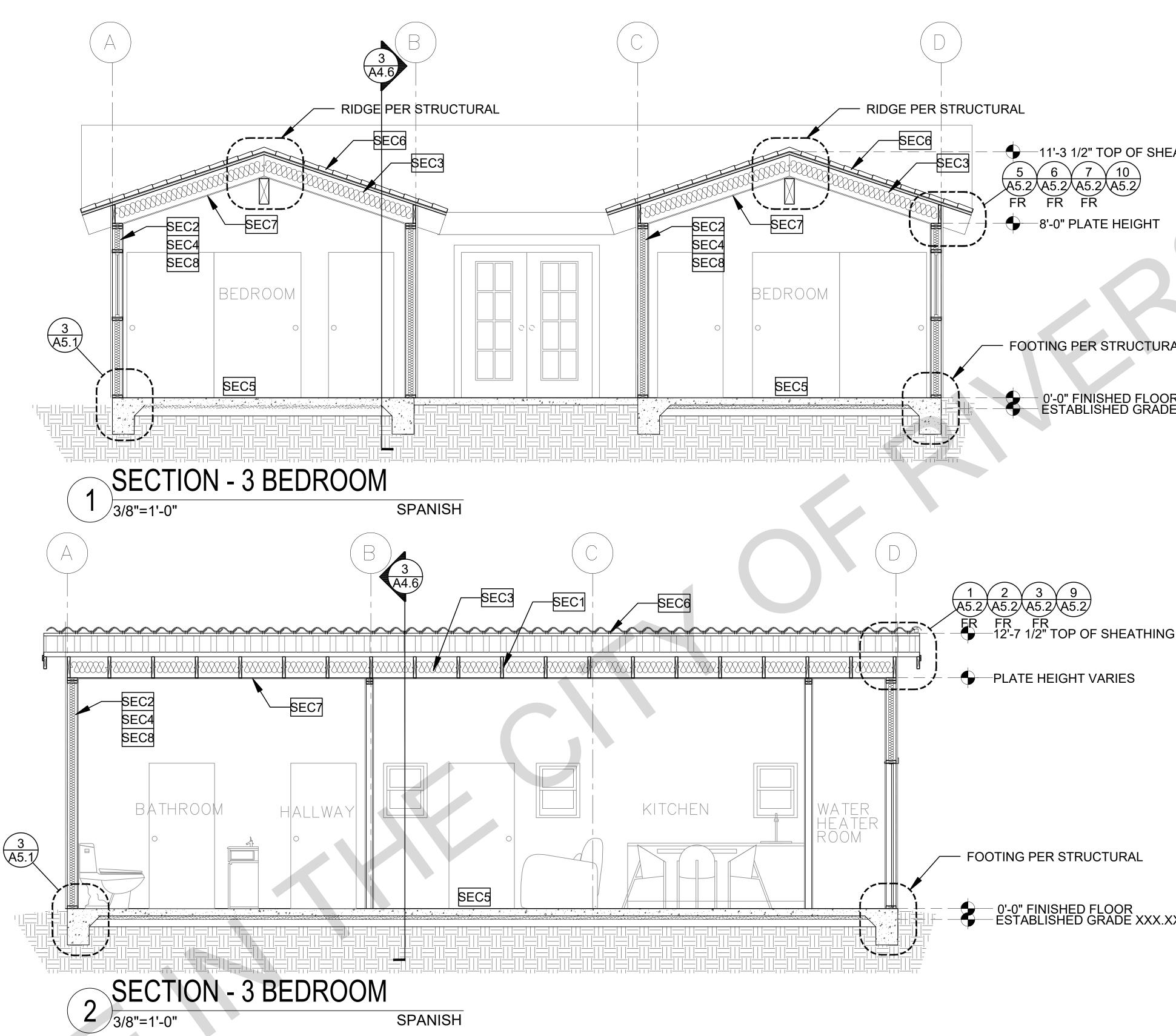
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revisions \square \triangle description Building

Sections

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



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 60dBA OR ABOVE

SEC8 5/8" GYPSUM WALLBOARD

SECTION GENERAL NOTES

1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ELECTRICAL/MECHANICAL FIXTURES. ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY
ALL NAILS, FASTENERS AND HARDWARE MUST BE
TO MAKE A CONDUST 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 BED/BATHROOMS INSULATION IS TO VENTILATION TO ENCLOSED RAFTER SPACES. MAX BE PROVIDED WITH SOUND INSULATION, $\frac{1}{4}$ " MIN $\frac{1}{6}$ " OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL.

5. INSULATION

- 3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL EXHAUST FANS OR OTHER 4. WOOD SOFFIT/CEILING, SIDING & TRIM STAINLESS STEEL OR HOT-DIPPED GALVANIZED.
- STAPLES ARE NOT PERMITTED INSULATION WITH AN R VALUE NOT LESS SPECIFIED WITH SECTION R302.7. IN THE TITLE 24 ENERGY CALCULATIONS. AT BATHROOMS, LAUNDRY ROOM , AND MASTER
- RAFTERS TO ACCOMMODATE RECESSED LIGHTS ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET 7. IN CONCEALED SPACES BETWEEN STAIR
- STRINGERS AT THE TOP AND BOTTOM OF THE RUN. LOCATIONS PER 2022 CRC SECTION R302.11: THERMAL 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 CONCEALED SPACES OF STUD WALLS AND PARTITIONS, 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 FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION

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

- BROKEN LAP JOINTS 3. THE THICKNESS OF 0.719
- PANELS WITH JOINTS BAC
- STRUCTURAL PANELS 4.THE THICKNESS OF 0.75-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 ACCORDANCE WITH AST
- SPECIFIC APPLICATION

1/2" TOP OF SHE	ATHING
7 10 A5.2 A5.2 FR	
PLATE HEIGHT	C

- FOOTING PER STRUCTURAL

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

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

	LEGEND
DCKING MATERIALS SHALL RIALS: IBER 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 I 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	ELEVATION

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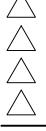
DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

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

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project

City of Riverside



FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY

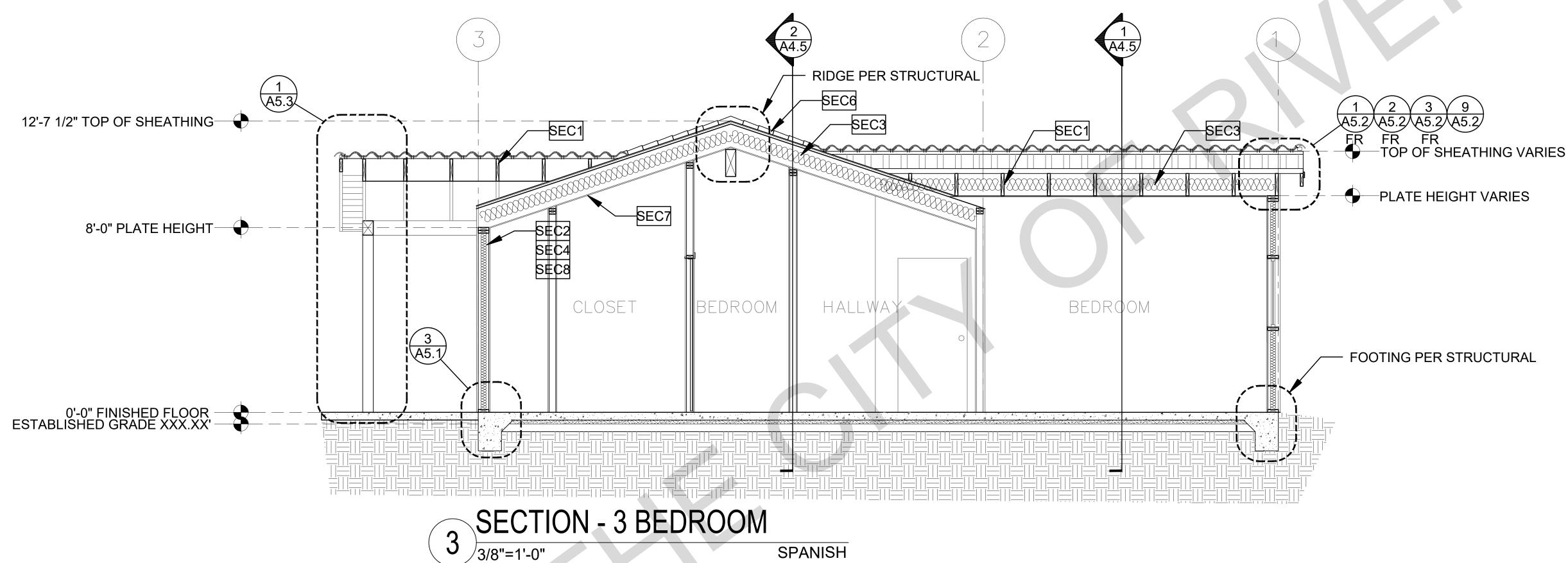
S Ш \square BY USING THESE PERMIT READY CONSTRUCTION

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SEC8 5/8" GYPSUM WALLBOARD

SECTION GENERAL NOTES

/3/8"=1'-0'

1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ELECTRICAL/MECHANICAL FIXTURES. ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY ALL NAILS, FASTENERS AND HARDWARE MUST BE 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

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STAPLES ARE NOT PERMITTED 5. INSULATION

SPANISH

- EXHAUST FANS OR OTHER 4. WOOD SOFFIT/CEILING, SIDING & TRIM STAINLESS STEEL OR HOT-DIPPED GALVANIZED.
- INSULATION WITH AN R VALUE NOT LESS SPECIFIED WITH SECTION R302.7. IN THE TITLE 24 ENERGY CALCULATIONS. AT BATHROOMS, LAUNDRY ROOM , AND MASTER
- BED/BATHROOMS INSULATION IS TO

3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL RAFTERS TO ACCOMMODATE RECESSED LIGHTS ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.

7. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. THERMAL 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 SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, & STRUCTURAL PLANS. *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 LOCATIONS PER 2022 CRC SECTION R302.11: A. SECTION R302.11-

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

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

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SECTION R1003.19 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
- PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD
- STRUCTURAL PANELS
- JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5.ONE-HALF-INCH GYPSUM BOARD
- 6.ONE-FOURTH-INCH CEMENT-BASED MILLBOARD
 - MANNER AS TO BE SECURELY RETAINED IN PLACE

SPECIFIC APPLICATION



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 CALLOUT 4. THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH DETAIL 7.BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER DRAWING REF. OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A ELEVATION 8.CELLULOSE INSULATION INSTALLED AS TESTED IN MARKER ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE

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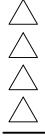
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project

City of Riverside Pre-Approved ADU Program

revisions \square



description

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project no. Riverside ADU

October 2023

DESIGN PATH STUDIO

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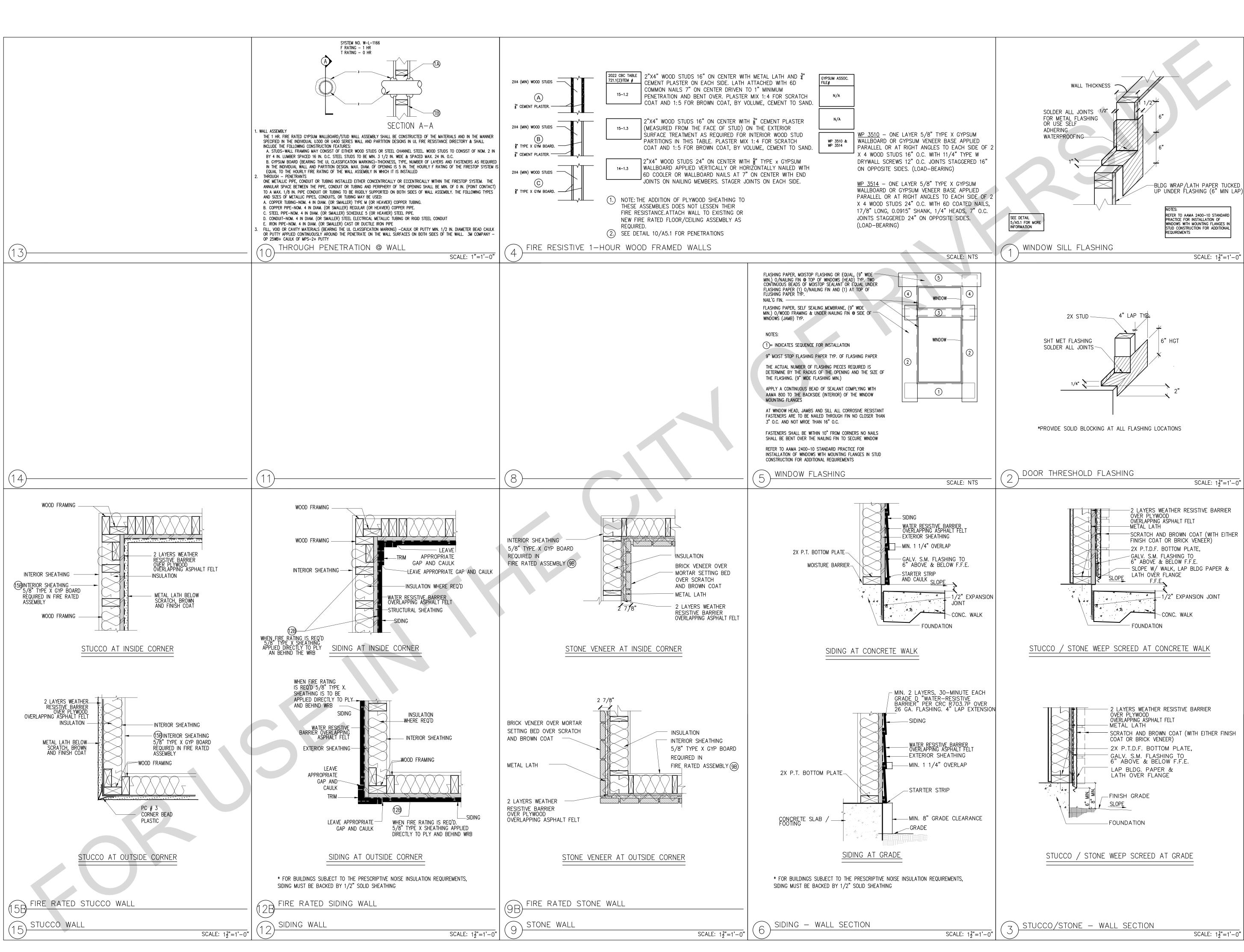
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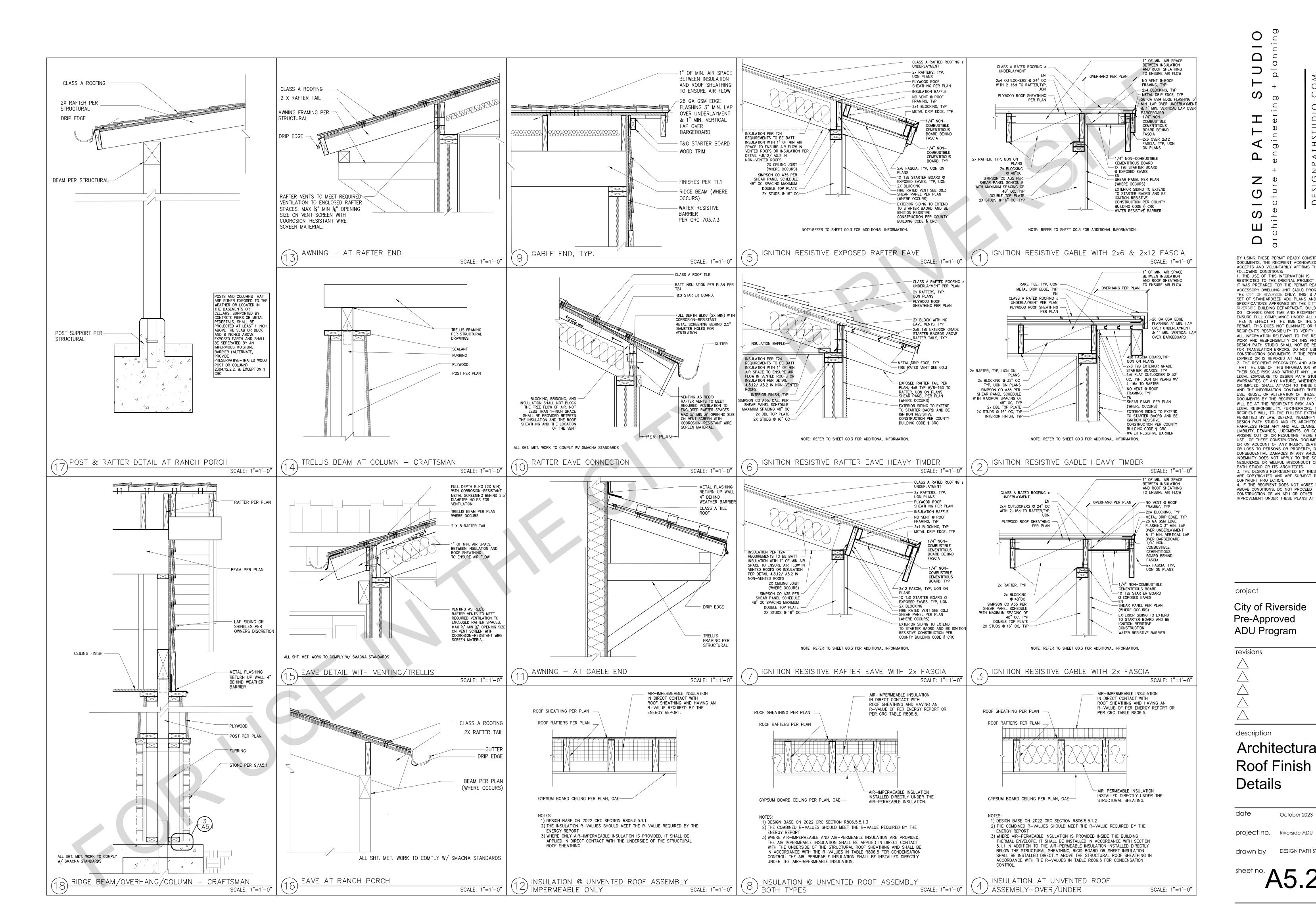
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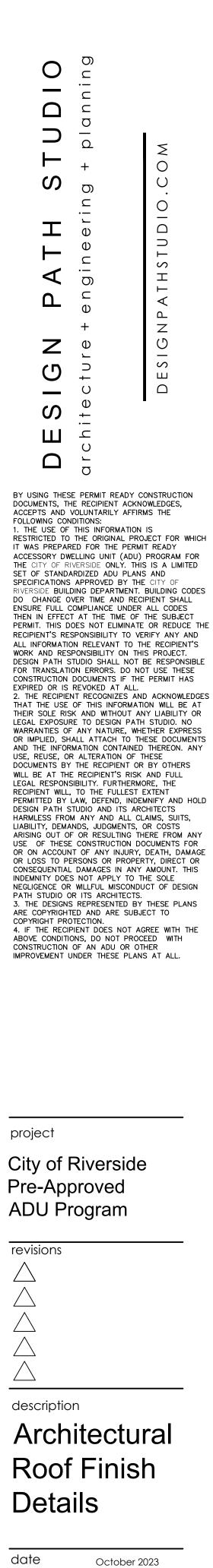
project City of Riverside Pre-Approved ADU Program

revisions \square \triangle description Architectural Wall Finish

Details

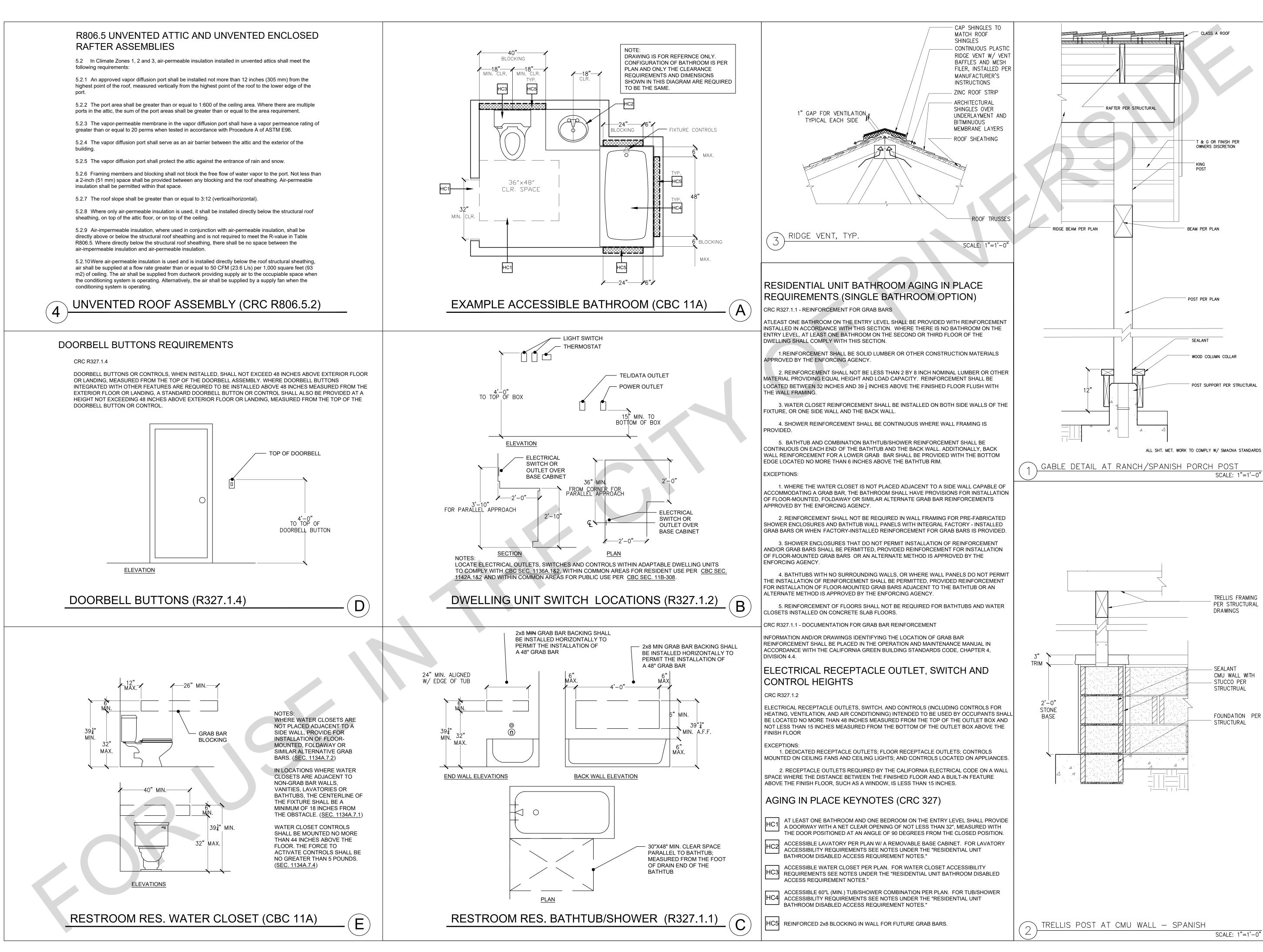
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DESIGN PATH STUDIO

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BY USING THESE PERMIT REA DOCUMENTS, THE RECIPIENT ACCEPTS AND VOLUNTARILY FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMA RESTRICTED TO THE ORIGINAI IT WAS PREPARED FOR THE ACCESSORY DWELLING UNIT (THE CITY OF RIVERSIDE ONLY SET OF STANDARDIZED ADU SPECIFICATIONS APPROVED B RIVERSIDE BUILDING DEPARTM DO CHANGE OVER TIME AND ENSURE FULL COMPLIANCE U THEN IN EFFECT AT THE TIMI PERMIT. THIS DOES NOT ELIM RECIPIENT'S RESPONSIBILITY O DESIGN PATH STUDIO SHALL FOR TRANSLATION ERECORNIZ WORK AND RESPONSIBILITY O DESIGN PATH STUDIO SHALL FOR TRANSLATION ERRORS. I CONSTRUCTION DOCUMENTS I EXPIRED OR IS REVOKED AT 2. THE RECIPIENT RECOGNIZE THAT THE USE OF THIS INFO THEIR SOLE RISK AND WITHO LEGAL EXPOSURE TO DESIGN WARRANTIES OF ANY NATURE OR IMPLIED, SHALL ATTACH AND THE INFORMATION CONT USE, REUSE, OR ALTERATION DOCUMENTS BY THE RECIPIEN WILL BE AT THE RECIPIENT'S LEGAL RESPONSIBILITY. FUTTI RECIPIENT WILL, TO THE FULL PERMITTED BY LAW, DEFEND, DESIGN PATH STUDIO AND A LIABILITY, DEMANDS, JUDGMEI ARISING OUT OF OR RESULTI USE OF THESE CONSTRUCTION OR NACCOUNT OF ANY IND A LIABILITY, DEMANDS, JUDGMEI ARISING OUT OF OR RESULTI USE OF THESE CONSTRUCTION OR LOSS TO PERSONS OR PF CONSEQUENTIAL DAMAGES IN INDEMNITY DOES NOT APPLY NEGLIGENCE OR WILLFUL MISC PATH STUDIO OR ITS ARCHIT 3. THE DESIGNS REPRESENTE	ACKNOWLEDGES, AFFIRMS THE ATION IS . PROJECT FOR WHICH PERMIT READY ADU) PROGRAM FOR (. THIS IS A LIMITED PLANS AND Y THE CITY OF IENT. BUILDING CODES O RECIPIENT SHALL NDER ALL CODES CORT FL SUBJECT INATE OR REDUCE THE TO VERIFY ANY AND TO THE RECIPIENT'S N THIS PROJECT. NOT BE RESPONSIBLE OO NOT USE THESE F THE PERMIT HAS ALL. S AND ACKNOWLEDGES RMATION WILL BE AT UT ANY LIABILITY OR PATH STUDIO. NO C, WHETHER EXPRESS TO THESE DOCUMENTS AINED THEREON. ANY OF THESE IT OR BY OTHERS RISK AND FULL HERMORE, THE LEST EXTENT INDEMNIFY AND HOLD S ARCHITECTS LL CLAIMS, SUITS, NTS, OR COSTS NG THERE FROM ANY ON DOCUMENTS FOR WIRY, DEATH, DAMAGE ROPERTY, DIRECT OR ANY AMOUNT. THIS TO THE SOLE CONDUCT OF DESIGN ECTS. D BY THESE PLANS
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2. CONCRETE FOUNDATION CONSTRUCTION	3. WOOD FRAMING CONSTRUCTION (CONT.)	3. WOOD FRAMING CONSTRUCTION (CONT.)	6. NAILING SCHEDULE, MINIMUMS (CBC CHAPTER 23, TABLE 2304.10.2)		
200. THE FIELD INSPECTOR SHALL VERIFY FOUNDATION REQUIREMENTS DURING FOUNDATION INSPECTION.	305. TYPICAL SHEAR TRANSFER: ROOF TO WALL: CONNECT ROOF FRAMING TO TOP PLATE W/ SIMPSON H1 @ 24" O/C	321. WOOD TO WOOD CONNECTORS SHALL BE SIMPSON STRONG TIE OR USP STRUCTURAL	BLKNG AT CEILING JOISTS, RAFTERS, OR TRUSSES TO TOP PLATE OR OTHER FRAMING, T.N. 4-8d Box, 3-8d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage stap		
201. CONCRETE STRENGTH SHALL BE NO LESS THAN 2,500 PSI @ 28 DAYS, OR HIGHER STRENGTH IF NOTED ON THE PLANS.	OR A35 OR RBC @ 24" O/C OR PER SHEAR TRANSFER DETAILS.	CONNECTORS. ALL SPECIFIED CONNECTOR CALL-OUTS ARE SIMPSON CATALOG CALL-OUTS. USP SUBSTITUTIONS SHALL HAVE A CAPACITY EQUAL TO OR GREATER THAN THE SIMPSON CATALOG VALUES. ANY OTHER ICC APPROVED METAL CONNECTOR MAY BE USED UPON	BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL TOP PLATE TO RAFTER OR TRUSS, T.N.2-8d Com, 2-3" x 0.131" nails, 2-3" 14 gage staplesBLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL TOP PLATE TO RAFTER OR TRUSS, E.N.2-16d Com, 3-3" x 0.131" nails, 3-3" 14 gage staplesFLAT BLKNG TO TRUSS AND WEB, F.N.16d Com, 3"x.131" nails, 3"x14 gage staples @ 6" o.c		
202. SLAB REINFORCEMENT & FOOTINGS SHALL BE PER STRUCTURAL DETAILS ON SHEET S4, CENTERED IN SLAB.	SILL PLATE ANCHORS:	APPROVAL BY THE ENGINEER OR ARCHITECT.	CEILING JOISTS TO TOP PLATE, T.N. CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS, F.N. PER 2308.7.3.1 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples		
203. REINFORCING BARS TO BE GRADE 40 FOR #3 BARS, GRADE 60 FOR #4 BARS & LARGER	306. GROUND FLOOR / SLAB ON GRADE WALLS: PROVIDE 2X (MIN.) PTDF SILL PLATES. SEE CONCRETE FOUNDATION CONSTRUCTION NOTES 206. 207 & 208 FOR ANCHOR	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 ATTACHED TO PARALLEL RAFTER (HEEL JOINT), F.N. PER 2308.7.3.1 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples		
204. PROVIDE WEAKENED PLANE JOINTS FOR CRACK CONTROL (SAWCUT OR TOOLED JOINT) AT	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	COLLAR TIE TO RAFTER, F.N.3-10d Com, 4-10d box, 4-3"x0.131" nails, 4-3" 14 gage staplesRAFTER/TRUSS TO TOP PLATE, T.N. PER TABLE 2308.7.3.53-10d Com, 3-16d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staplesRAFTERS TO RIDGE VALLEY OR HIP: OR FATER TO 2" RIDGE BEAM3-10d Com, 3-16d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples		
14'-0" O/C MAX.	307. ALL WOOD SILL PLATES AND ALL WOOD MEMBERS DIRECTLY AGAINST CONCRETE OR	1.75 X LSL AND LVL HU, HUS, OR WPU 2.69 X PSL AND LVL HU OR HWU	TOENAIL 4-16d box, 3-10d Com, 3-16d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples		
205. SILL ANCHORAGE AT ALL SHEARWALL LOCATIONS SHALL BE PER THE SHEARWALL SCHEDULE. ALL SHEARWALL ANCHOR BOLTS SHALL RECEIVE A 3" SQUARE X 0.229" THICK WASHER. THE	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.)	3.5 X PSL AND LVLHHUS OR HWU5.25 X PSL AND LVLHHUS OR HWU7 X PSL AND LVLHHUS OR HWU	ENDNAIL2-16d Com, 3-16d box, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staplesSTUD TO STUD (NOT AT BRACED WALL PANELS)16d Com @ 24" o.c. FN OR 2-10d box, 3" x 0.131" nails, 3-3" 14 gage staples @ 16" o.c. FNSTUD TO STUD AT INTERSECTING WALL CORNERS (BRACED WALL)16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN		
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.	IF OTHER TREATMENTS ARE USED, SEE NOTE 309.	AT BEAM HANGER CALLOUTS, IE HGUS OR HU BEAMS, THE CALLOUT IS ABBREVIATED.	BUILT-UP HEADER (2" TO 2"), FN EA. EDGE		
SHEARWALL ANCHORS SHALL BE PLACED A MIN. OF 1 $\frac{3}{4}$ " FROM THE EDGE OF CONCRETE.	308. FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD:	THE HANGER WIDTH MAY BE OMITTED TO ALLOW FLEXIBILITY IN ORDERING. EXAMPLE: 2.69 PSL	4-8d Com, 4-10d Box, 5-8d box		
206. EMBEDDED SILL ANCHOR BOLTS AT TYPICAL NON-SHEARWALL CONDITIONS SHALL BE	ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH	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.	TOP PLATE TO TOP PLATE 16d Com @ 16" o.c. FN OR 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12 o.c. FN TOP PLATE TO TOP PLATE, AT END JOINTS (EACH SIDE OF END JOINT), FACENAIL		
$rac{5}{8}$ " DIA. MIN. ANCHOR BOLTS WITH A STANDARD CUT WASHER. SPACING SHALL NOT	ACQ-C, ACQ-D, CA-B, AND CBA-A WITHOUT AMMONIA SHALL BE GALVANIZED PER ASTM A153.	323. WHERE SHEARWALL LENGTHS ARE SPECIFIED ON THE PLANS, THE LENGTH SHOWN IS A	24" MIN LAP SPLICE EA. SIDE 8-16d Com, 12-16d Box, 12-3" x 0.131" nails, 12-3" 14 gage staples		
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.		MINIMUM DIMENSION. THE SHEARWALL MAY BE LENGTHENED FOR CONSTRUCTION	BOTTOM PLATE TO JOIST, RIM, OR BLKG, FACENAIL UNBRACED WALL: 16" o.c. FN 16d Com		
	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,	PURPOSES, BUT SHALL NOT BE REDUCED UNLESS OTHERWISE NOTED. ALL ENGINEERED WOOD PANEL SHEAR (PLYWOOD OR OSB) SHALL BE BLOCKED.	UNBRACED WALL: 12" o.c. FN 16d Box, 3" x 0.131" nails, 3" 14 gage staples		
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:	BRACED WALL: 16"o.c. FN 2-16d Com, 3-16d Box,4-3"x.131" nails,4-3" 14 gage staples STUD TO TOP OR BOTTOM PLATE		
	WHERE PRESSURE TREATED LUMBER IS INSTALLED IN AN EXTERIOR WET ENVIRONMENT,	A) APPROXIMATELY SQUARE HOLES NOTCHED, PUNCHED, OR CUT THAT ARE LESS THAN 25 SQ. INCHES	TOENAIL 4-8d Box, 4x10d Box, 4-8d Com, 3-16d Box, 4-3"x0.131" nails, 4-3" 14 gage staples		
208. SEE WOOD FRAMING CONSTRUCTION NOTES FOR ALTERNATE SILL ANCHORAGE.	ALL NAILS AND FASTENERS IN CONTACT WITH THE PRESSURE TREATED LUMBER SHALL BE	B) APPROXIMATELY SQUARE HOLES CLEAN CUT OR BORED IN SHEARWALLS THAT ARE	ENDNAIL 3-16d Box, 2-16d Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples		
209. ALL HOLDOWNS SHALL BE PLACED A MINIMUM DIM AS SHOWN IN DETAIL 3&4/S4 FROM	TYPE 303, 304, 305, OR 316 STAINLESS STEEL.	LESS THAN 64 SQ. INCHES (ONE HOLE PER 4' OF SHEARWALL.)	TOP PLATES, LAPS AT CORNERS AND INTERSECTION, F.N.2-16d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples1" BRACE TO EACH STUD AND PLATE, F.N.3-8d Box, 2-8d Com, 2-10d Box, 2-3" x 0.131" nails, 2-3" 14 gage staples		
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"x6" SHEATHING TO EACH BEARING, F.N.3-8d Box, 2-1.75" 16 Gage staples, 2-8d Com, 2-10d Box		
210. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SUBCONTRACTOR TO VERIFY	310. ENGINEERED BEAMS ARE AS FOLLOWS:	D) HOLES INDIVIDUALLY APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD.	1"x8" SHEATHING AND WIDER TO EACH BEARING, F.N.4-8d box, 4-1.75" 16 Gage staples, 3-8d Com, 3-10d BoxJOIST TO SILL, TOP PLATE, OR GIRDER, T.N.4-8d box, 3-8d Com, 3-10d Box, 3-3" x 0.131" nails, 3-3" 14 gage staples		
ALL DIMENSIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY HOMEOWNER AND CITY OF RIVERSIDE OF ANY DISCREPANCY, TYPICAL.	"PSL" REFERS TO PARALLEL STRAND LUMBER (E=2.0, FB=2900).	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	RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER 8d Box @ 4" o.c. TN OR 8d Com, 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 6" o.c. TN		
CITE OF RIVEROIDE OF ANT DISOREFANOT, THIORE.	"LSL" REFERS TO LAMINATED STRAND LUMBER (E=1.55, FB=2325). (E=1.3 & FB=1700 AT LSL CONDITIONS WITH D (DEPTH) < 9")	326. ALL FINISHES, WATERPROOFING, DRAINAGE, AND FIRE-RELATED ELEMENTS ARE BY THE	1"x6" SUBFLOOR OR LESS TO EACH JOIST, F.N. 2-1.75" Gage Staples, 2-8d Com, 3-10d Box 2 16d Pay, 2 16d Com		
211. PROVIDE A UFER GROUND FOR ELECTRICAL SYSTEM PER ARTICLE 250.52 N.E.C.	"LVL" REFERS TO LAMINATED VENEER LUMBER (E=2.0, FB=2800).	ARCHITECT OF RECORD AND ARE REQUIRED EVEN THOUGH THEY MAY NOT BE SHOWN	2" SUBFLOOR TO JOIST OR GIRDER, F.N. or BLIND3-16d Box, 2-16d Com2" PLANKS (PLANK & BEAM - FLOOR & ROOF), FACENAIL & EACH BEARING3-16d Box, 2-16d Com		
212. ALL SURROUNDING FLAT WORK SHALL BE VERIFIED WITH HOMEOWNER FOR LOCATION AND	"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.	BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS		
AMOUNT TO BE POURED.	AN A.I.T.C CERTIFICATE OF COMPLIANCE ISSUED BY A CURRENT ICC	327. REDWOOD OR PRESSURE-TREATED LUMBER IS TO BE USED AT STRUCTURAL MEMBERS FOR BUILDING, BALCONIES, PORCHES OR SIMILAR APPURTENANCES WHEN EXPOSED TO	32" o.c. FN Top & BTTM STAGGERED ON OPPOSITE SIDES 24" o.c. FN Top & BTTM 10d Box, 3"x0.131" nails, 3" 14 gage staples		
213. RETROFIT MISPLACED HOLDOWNS AS NOTED BELOW. AT EPOXY ANCHORS USE SIMPSON	APPROVED QUALITY CONTROL AGENCY FOR GLUED LAMINATED WOOD MEMBERS SHALL BE GIVEN TO THE BUILDING INSPECTOR PRIOR TO INSTALLATION.	THE WEATHER WITHOUT ADEQUATE PROTECTION OF A ROOF, EAVE, OVERHANG, OR	ENDS & SPLICES, FN 2-20d Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples		
SET-XP EPOXY PER MANUFACTURERS INSTALLATION REQUIREMENTS AS FOLLOWS: MISPLACED HOLDOWN <u>RETROFIT BOLT</u> <u>REPLACEMENT H</u> ARDWARE		OTHER COVERING TO PREVENT MOISTURE OR WATER ACCUMULATION.	LEDGER SUPPORTING JOISTS/RAFTERS 4-16d Box, 3-16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES		
LSTHD8, HTT4 5" ALL-THREAD, EMBED 9" HTT4	311. LUMBER SPECIFICATIONS: ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH. STUDS, PLATES & BLOCKING:	4. ICC-ES AND NER APPROVALS	JOIST TO BAND OR RIM JOIST, END NAIL BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS EACH END, T.N. 2-8d Com, 2-10d box, 2-3" x 0.131" nails, 2-3" 14 gage staples		
STHD10, STHD14, HTT5 LTT20B 5" ALL THREAD, EMBED 9" LTT20B	2X4 FRAMING LUMBER NOT LISTED BELOW STANDARD GRADE OR BETTER	400. PLYWOOD AND OSB PANELS: APA PLYWOOD & OSBESR-2586FULL REPORTS FOUND AT: HTTP://WWW.ICC-ES.ORG	WOOD STRUCT. PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHTNG TO FRMG AND EDGES INTERMEDIATE		
LTT20B	92-1/4", 104-1/4", & 116-1/4" 2X4 STUDS 2X4 STUDS OVER 10' #2 OR BETTER #2 OR BETTER		PARTICLEBOARD WALL SHEATHING TO FRAMING (IN) SUPPORTS (IN) 16d Com or deformed; or $2\frac{3}{8}$ "x.113" nail (subfloor and wall) 6 12		
HDU8 $\frac{7}{8}$ " ALL-THREAD, EMBED 15"	2X4 STUDS OVER 10' #2 OR BETTER 2X4 SILLS & PLATES STANDARD OR BETTER	401. JOISTS AND RAFTERS AND BEAMS: TRUS-JOIST TJI JOISTS AND PSL, LSL, & LVLICC-ES ESR-1387, 1153,	8d Com or deformed (roof) or $2\frac{3}{6}$ x.113" nail (roof) 6 ^e 6 ^e		
	2X6 STUDS, SILLS, & PLATES #2 OR BETTER 4X4 STUDS & POSTS STANDARD OR BETTER OR #1	BOISE CASCADE BCI JOISTS, VERSA-LAM, & VERSA-STRANDICC-ESR-1040, 1336	$\frac{3}{8}^{-\frac{1}{2}} = 13^{-\frac{1}{4}} = 16 \text{ Ga Staple}, \frac{7}{16} = \text{crown (subfloor and wall)} = 4 + 8 + \frac{7}{16} = 1000000000000000000000000000000000000$		
214. RETROFIT $\frac{3}{4}$ " & $\frac{5}{8}$ " EMBEDDED ANCHOR BOLTS AS NOTED BELOW. AT EPOXY	4X4 STUDS & POSTS STANDARD OR BETTER OR #1 4X6, 6X6, & LARGER STUDS & POSTS #1 OR BETTER	LOUISIANA PACIFIC JOISTS & BEAMSESR-1305, 2403 ROSEBURG JOISTS & BEAMSESR-1210, 1251	$\begin{bmatrix} 2\frac{3^{in}}{8} x.113^{in}x.266^{in} \text{ head nail (roof)} \\ 1\frac{3^{in}}{4} 16 \text{ Ga Staple}, \frac{7}{16}^{in} \text{ crown (roof)} \end{bmatrix}$		
ANCHORS USE SIMPSON SET-XP EPOXY PER SIMPSON'S INSTALLATION REQUIREMENTS. LOCATION TYPE REPLACEMENT	4X4, 4X6 BEAMS & HEADERS #2 OR BETTER 4X8, 4X10, 4X12, 4X14 BEAMS & HEADERS #1 OR BETTER	GLU-LAM BEAMS ESR-1940	8d Com or deformed (subfloor and wall) 6 12 for wall sheathing are permitted to be common, box or casing.		
SLAB EDGE, 1 3/4" DIST. SHEARWALL	4X8, 4X10, 4X12, 4X14 BEAMS & HEADERS #1 OR BETTER 6X4 BEAMS & HEADERS #2 OR BETTER	PACIFIC WOOD TECH - ESR 2909	$\frac{19}{32} - \frac{3}{4}$ 8d Com or deformed (roof) or $2\frac{3}{8}$ " x.113" nail (roof) ^d 6 ^e 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		
OR ⁵ / ₈ " TITEN HD, EMBED 3" MIN.	6X6 & LARGER BEAM & HEADERS #1 OR BETTER 2X10 AND LARGER RAFTERS AND JOISTS #1 OR BETTER	402. WOOD CONNECTORS:	$\frac{2^{3}}{8} \times .113 \times .266 \text{ head nail, 2"16 Gage staple, } \frac{7}{16} \text{ crown} \qquad 4 \qquad 8 \qquad \text{supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).}$		
INTERIOR > 6," EDGE DIST. SHEARWALL OR NON-SHEAR $\frac{5}{8}$ " TITEN HD, EMBED 3" MIN.		SIMPSON CONNECTORSICC-ES ESR #S 1161, 1622, 1866, 2105, 2203, 2236, 2320, 2549, 2551, 2552, 2553, 2330, 2554, 2555, 2604, 2605, 2606, 2607, 2608.	$\frac{1}{8}$ - $1\frac{1}{4}$ 10d Com or (3"x0.148"); or deformed ($2\frac{1}{2}$ x.131"x.281 head) 6 12 c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top		
	312. HOLES, CUTOUTS, AND NOTCHES IN FRAMING MEMBERS: BY VIRTUE OF CODE COMPLIANCE WITH ELECTRICAL AND PLUMBING CODES, HOLES	2611, 2613, 2614, 2615, 2616, 2877, 2920, 3046	OTHER EXTERIOR WALL SHEATHING (FIBERBOARD)		
ANY OTHER NON-SHEAR APART ON SILL. (2) FOR EACH MISSING	AND NOTCHES WILL INEVITABLY BE MADE IN FRAMING MEMBERS. THE CODE	IAPMO ER-112, 130, 143, 192, 262 USP LUMBER CONNECTORSICC-ES_ESR #S 1178, 1280, 1575, 1702, 1781, 1881,	$\frac{1}{2}^{\text{b}} \frac{12}{2}^{\text{t}} \times 0.120^{\text{t}}, \text{ galvanized roofing nail } (\frac{7}{16}^{\text{t}} \text{ head dia}) \text{ or } 1\frac{1}{4}^{\text{t}} 16 \text{ Ga Staple w} / \frac{7}{16}^{\text{t}} \text{ or } 1^{\text{t}} \text{ crown} 3 6 d. \text{ RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.}$		
ANCHOR BOLT. MAX. OF (6) SHOT PINS EVERY 6 FT.	RECOGNIZES AND APPROVES VARIOUS HOLES AND NOTCHES WITHOUT ENGINEERING JUSTIFICATION IN CBC SECTION 2308.8.2. ENGINEERED (PSL, LSL) RECTANGULAR	1970, 2104, 2685, 1831, 1465, 2761, 2787, IAPMO ER-200	$\frac{25}{32}^{\text{b}} 1\frac{3}{4}^{\text{m}} \text{ x0.120}^{\text{m}}, \text{ galvanized roofing nail } (\frac{7}{16}^{\text{m}} \text{ head dia}) \text{ or } 1\frac{1}{2}^{\text{m}} 16 \text{ Ga Staple w} / \frac{7}{16}^{\text{m}} \text{ or } 1^{\text{m}} \text{ crown} \qquad 3 \qquad 6 \qquad e. Tabulated fastener requirements apply where the ultimate design wind speed is less than 140 mph. For wood structural panel roof$		
^{215.} WHEN REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, HAVE CONTRACTOR	LUMBER BEAMS BEHAVE LIKE ANY OTHER RECTANGULAR SHAPE WHEN NOTCHED OR BORED, SO THE ENGINEER OR ARCHITECT MAY SPECIFY LIMITS WITHOUT MANUFACTURER	QUICK DRIVE WOOD SCREWSICC-ES ESR-1472	WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING supports within 48 inches of roof edges and ridges, nails shall be		
DOCUMENTATION IN WRITING FOR THE FOLLOWING:	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.	$\frac{3}{4}$ & LESS 8d COMMON (2 $\frac{1}{2}$ x0.131"); or deformed (2"x0.113"); or deformed (2"x0.120") 6 12 greater than 130 mph in Exposure B or greater than 110 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 130 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential for the design wind speed is greater than 140 mph in Exposure C Spacing exponential		
 A) THE PAD WAS PREPARED IN ACCORDANCE WITH THE SITE REQUIREMENTS AND CITY OF RIVERSIDE APPROVAL. 	PSL AND LVL BEAMS: A HOLE 1 INCH IN DIAMETER CAN BE DRILLED ANYWHERE,	SIMPSON WEDGE-ALL (WA) WEDGE ANCHORSICC-ES ES-1771	$\begin{bmatrix} \frac{7}{8}"-1" \\ 1\frac{1}{8}"-1\frac{1}{4}" \end{bmatrix} = \begin{bmatrix} \frac{7}{8}"-1" \\ 10d \text{ COMMON } (2\frac{1}{2}"x0.131"); \text{ or deformed } (2"x0.113"); \text{ or deformed } (2"x0.120") \end{bmatrix} = \begin{bmatrix} 6 \\ 12 \\ 12 \end{bmatrix} = \begin{bmatrix} \text{Exposure C. Spacing exceeding 6 inches on center at intermediate} \\ \text{supports shall be permitted where the fastening is designed per the} \\ \text{AWC NDS.} \end{bmatrix}$		
B) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED & COMPACTED.	AND A 2 INCH DIA. HOLE CAN BE DRILLED IN THE MIDDLE THIRD OF THE SPAN IN	SIMPSON TITEN HDICC-ESR-1056, 2713 SIMPSON SHOT PINS ICC-ES ESR-2138	PANEL SIDING TO FRAMING		
C) THE FOUNDATION EXCAVATIONS, EXPANSIVE CHARACTERISTICS AND BEARING CAPACITY COMPLIES WITH THE CITY OF RIVERSIDE RECOMMENDATIONS.	THE MIDDLE THIRD OF THE DEPTH OF THE BEAM FOR ANY PSL OR LVL BEAM, EXCEPT CANTILEVERED BEAMS AND BEAMS SUPPORTING CONCENTRATED LOADS.	HILTI X-DN, X-ZF, X-CF SHOT PINSICC-ES ER-1663, 1752, 2269	$\frac{1}{2}$ " & LESS 6d corrosion-resistant siding ($1\frac{7}{8}$ "x.106"); or 6d corrosion-resistant (2"x.099") 6 12 S ASTM F1667. Connections using nails and staples of other materials,		
	HOLES IN THOSE CONDITIONS REQUIRE APPROVAL IN WRITING FROM THE ENGINEER.	5. NAILING & FASTENING	$\frac{5}{8}$ 8d corrosion-resistant siding ($2\frac{3}{8}$ "x0.128"); or 8d corrosion-resistant casing ($2\frac{1}{2}$ "x0.113") 6 12 such as stainless steel, shall be designed by acceptable engineering practice or approved under Section 104.11.		
216. ALL HOLDOWN ANCHORS & HARDWARE MUST BE TIED IN PLACE PRIOR TO CALLING FOR A FOUNDATION INSPECTION.	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)			
3. WOOD FRAMING CONSTRUCTION	END OF THE SUPPORT IS ALLOWED IF NOTED ON PLANS, TO A	501. AS AN ALTERNATE TO THE COMMON AND BOX NAILS SPECIFIED IN THE STRUCTURAL PLANS, THE	$\frac{1}{4}$ 4d casing ($1\frac{1}{2}$ "x0.080"); or 4d finish ($1\frac{1}{2}$ "x0.072") 6 12 $\frac{3}{8}$ 6d casing (2 "x0.099"); or 6d finish (2 "x.092") - (Panel supports at 24 inches) 6 12		
300. ROOFING MATERIALS SHALL BE PER ARCHITECTURAL DRAWINGS.	 MINIMUM OF 4-3/8" AT INSIDE FACE OF SUPPORT. RAKE CUT (TAPER) THAT RESULTS IN A DEPTH AT THE INSIDE FACE OF THE SUPPORT OF 2/3RDS THE 	FOLLOWING "CUTLER" GUN NAILS (OR EQUAL) ARE ACCEPTABLE ALTERNATIVES.	7. DESIGN CRITERIA 8. STATEMENT OF SPECIAL INSPECTIONS		
10	BEAM DEPTH IS ALLOWED AT CONDITIONS NOT SPECIFIED. OTHER TAPERED	502. ALTERNATE NAILING FOR ROOF SHEATHING:			
^{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	ENDS AND SQUARE NOTCHES IN TOP OR BOTTOM FACE REQUIRE APPROVAL IN WRITING FROM THE ENGINEER OR ARCHITECT.	8D 2 $\frac{1}{2}$ " X 0.135 WIRE BARBED NAILS BY CUTLER OR EQUAL.	700. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE AND 2022 CALIFORNIA RESIDENTIAL CODE. 800. RETROFIT ANCHOR BOLTS FOR MISPLACED HOLDOWNS WITH ALL-THREAD ROD AND SIMPSON SET-XP EPOXY REQUIRE		
COMMON NAILS @ 6" O/C @ ALL PERIMETER EDGES AND ALL INTERIOR SUPPORTED		503. ALTERNATE NAILING FOR FLOOR SHEATHING: #8 X 2" SELF SETTING WOOD SCREWS, OR	SPECIAL INSPECTION. (NO SPECIAL INSPECTION IS REQUIRED		
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.	8D 2 $\frac{1}{2}$ " X 0.135 OR 0.148 SCREW SHANK FLOOR NAILS BY CUTLER OR EQUAL	SOIL BEARING VALUE 1,500 psf HOLDOWN ATTACHED.)		
		504. SHEAR PANELS WHERE 8D COMMON NAILS ARE SPECIFIED:	SITE CLASS D (Default) SEISMIC DESIGN CATEGORY D 801 PER CBC 1705 3 SPECIAL INSPECTION IS NOT PEOLIIRED FOR		
302. TYPICAL WALL SHEATHING: INTERIOR SURFACES: WHERE DRYWALL IS SPECIFIED, PROVIDE MIN. 5" GYPSUM	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	10D 2 $\frac{1}{2}$ " X 0.148" WIRE BARBED NAILS BY CUTLER OR EQUAL	RISK CATEGORY II NON-STRUCTURAL SLABS ON GRADE NOR FOR CONCRETE		
WALLBOARD W/ 5D COOLER NAILS OR EQUAL @ 6" O/C TO ALL STUDS AND TO TOP &	TRIMMERS AT EACH 3-1/2 X 7-1/2 PSL OR LSL OR LARGER.	NAIL SIZES C&C PRESSURES	SEISMIC IMPORTANCE FACTOR 1 Ss: 1.875 Sds: 1.500 Cs: 0.231		
BOTTOM PLATES (UNBLOCKED) AT INTERIOR SIDE OF EXTERIOR WALLS AND AT BOTH SIDES OF ALL INTERIOR WALLS.	314. PROVIDE 2X6 TRIMMER & 2X6 KING STUD EACH END OF EACH 6X DROPPED BEAM	SIZE OF STANDARD WIRE SIZE PENETRATION ROOF: GABLE ROOF, PITCH α = 18.3°	S1: 0.900 Sd1: 1.020 R: 6.5 802. PER CBC 1705.13 SPECIAL INSPECTION IS NOT REQUIRED FOR		
	OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 6X8 OR LARGER. PROVIDE DOUBLE	NAIL LENGTH GAUGE (INCHES) REQUIRED A _{EFFECTIVE} = 10 sf 28 sf 30 sf	BASIC SEISMIC FORCE RESISTING SYSTEM: BEARING WALL ANALYSIS SEISMIC COMPONENTS FOR DETTACHED ONE- AND TWO FAMILY DWELLINGS NOT EXCEEDING 2 STORIES ABOVE		
EXTERIOR SURFACES: SEE PLANS. WHERE "STUCCO" IS SPECIFIED PROVIDE $\frac{7}{8}$ " EXTERIOR CEMENT PLASTER OVER WIRE LATH OVER TYPE 15 BUILDING PAPER.	TRIMMERS AT EACH 5-1/4 X 7-1/2 PSL OR LSL OR LARGER.	BOX NAILS (-) ZONE 1 -42.0 psf -39.5 psf -39.3 psf 0D 000 40 000 40 45.1 psf -39.5 psf -45.1 psf	METHOD: EQUIVALENT LATERAL FORCE PROCEDURE SEE STRUCTURAL GRADE.		
LATH ATTACHED TO ALL STUDS AND TOP AND BOTTOM PLATES (OR BLOCKING AS	315. PROVIDE DOUBLE KING STUDS AT ALL OPENINGS 8'-1" WIDE AND WIDER OR PER PLAN.	6D 2" 12 0.099 1" (-) ZONE 3 -87.5 psf -76.0 psf -75.2 psf	CAEGOEATIONO FOR OD 1, OD 0, DEGIGN DAGE GIEAN, OS, & NEACIONO.		
OCCURS) W/ 16 GAGE X 7/16 " STAPLES @ 6" O/C OR NO. 11 GAGE X 1-1/2"	^{316.} PROVIDE MINIMUM 2-1/4" BEARING @ EACH END OF EACH FLUSH BEAM OR HEADER	8D 2 11 0.113 1 10D 3" 10 0.128 1 "(+) ALL ZONES 16.5 psf 16.0 psf 16.0 psf	702. WIND DESIGN CRITERIA :		
FURRING NAILS WHERE INDICATED ON ELEVATIONS.	WHERE BEARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3" OF BEARING POINT.	12D 3" 10 0.128 1 " 16D 3 " 10 0.135 1 "	WIND SPEED (V-ult)124 mphRISK CATEGORYII		
303. STRUCTURAL SHEATHING MAY BE EITHER OSB OR PLYWOOD. ANY NOTES REFERRING TO PLYWOOD ALSO APPLIES TO OSB. SHEATHING (WOOD STRUCTURAL PANELS) MUST MEET	PROVIDE (2) 2X STUDS @ 6X OR LSL OR PSL BEAMS. 317. ROOF RAFTERS SHALL BE 2X RAFTERS AS NOTED ON STRUCTURAL DRAWINGS	16D SINKER 3" 9 0.148 1 " WALLS	EXPOSURE C		
THE REQUIREMENTS OF DOC PS1 OR PS2 IN ACCORDANCE WITH NDS SDPWS.		COMMON NAILS A _{EFFECTIVE} = 10 sf 21 sf 48 sf	INTERNAL PRESSURE COEF 0.18 A GEOTECHNICAL REPORT WILL NOT BE REQUIRED FOR THIS ADU PROGRAM. A CONSERVATIVE VALUE FOR THE SOIL BEARING		
304. TOP PLATES SHALL BE DOUBLE 2X W/ WIDTH EQUAL TO STUDS BELOW, W/ (21)16D NAILS	318. EAVES SHALL BE PER ARCHITECTURAL PLANS W/ APPLIED TAILS PER ARCHITECTURAL PLANS. OVERHANG DETAILS ARE NOT SHOWN ON STRUCTURAL PLANS.	6D 2" 11 0.113 1 " (-) ZONE 4 -1.28 psf -34.7 psf -32.9 psf 8D -1 10 0.131 1 " (-) ZONE 5 -1.58 psf -41.6 psf -38.0 psf	703. DESIGN LOADING: ALLOWABLE OF 1500 PSF HAS BEEN USED IN DESIGN OF THE BUILDING.		
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		8D $2\frac{1}{2}$ 10 0.131 1 (-) ZONE 5 -1.58 psf -41.6 psf -38.0 psf 10D $3^{"}$ 9 0.148 $1\frac{1}{2}$ " (+) ZONE 4&5 1.00 psf 31.9 psf 30.1 psf	ROOF DL27 psfIROOF LL20 psfPORCH DL35 psfIPORCH LL20 psfIF IT IS UNDERSTOOD THAT EXPANSIVE SOILS MAY BE FOUND IN		
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	12D $3''$ 9 0.148 $1\frac{1}{4}''$	TRELLIS DL 6 psf I TRELLIS LL 10 psf BUILDING AREA, A GEOTECHNICAL REPORT PREPARED BY A CALIFORNIA REGISTERED DESIGN PROFESSIONAL MAY BE REQUIRED.		
	PENETRATIONS.	16D 3 " 8 0.162 $1\frac{4}{1\frac{1}{2}}$ "	UALIFURINIA REGIOTERED DEOIGIN PROFEOOIUNAL MAY BE REQUIRED.		

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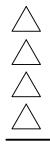
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City of Riverside Pre-Approved ADU Program

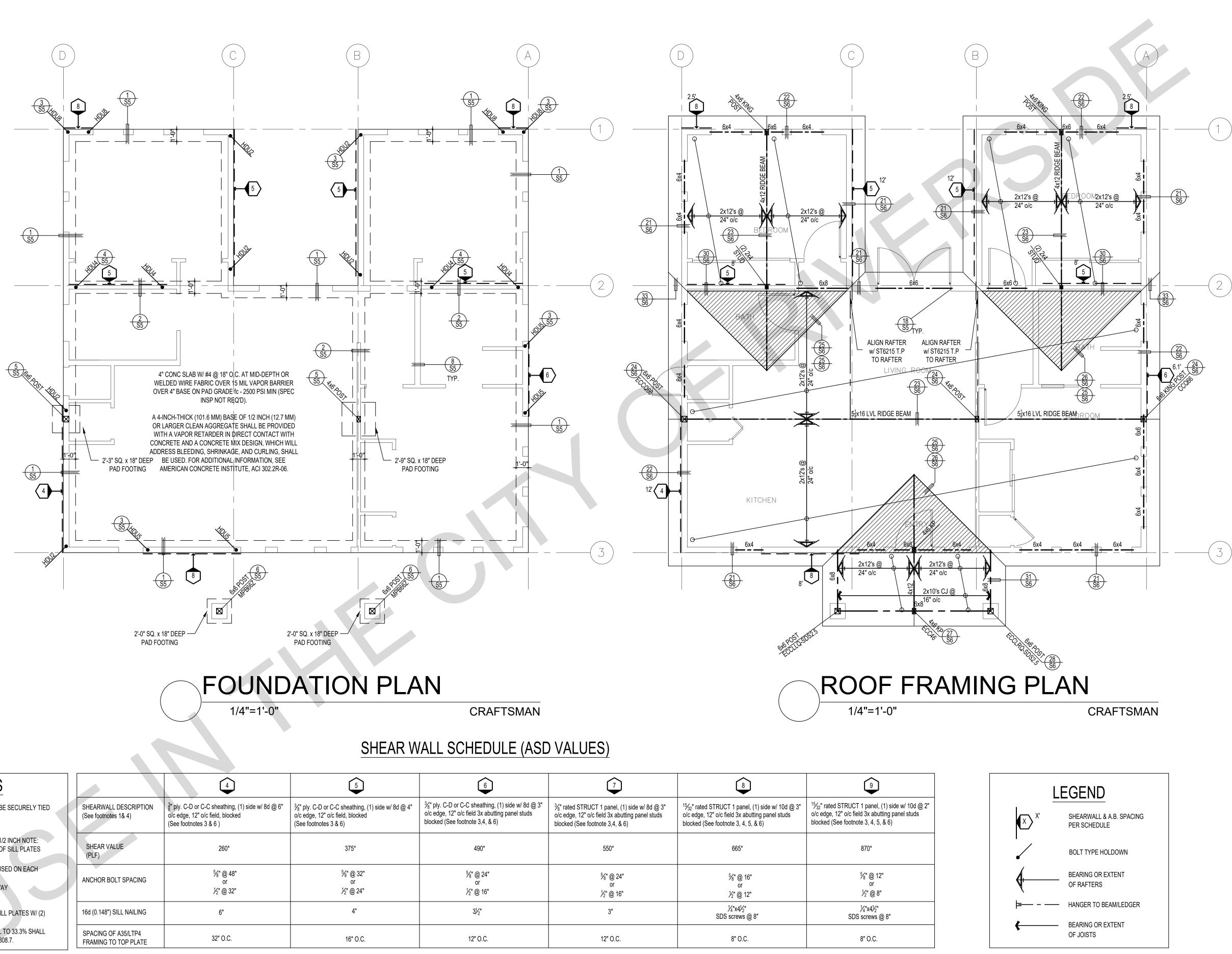
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description

Structural Notes & Specifications

date October 2023 project no. Riverside ADU drawn by DESIGN PATH STUDIO sheet no. **S1**



FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
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- 5. SEE SHEET S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
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	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)	$\frac{3}{8}$ " 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) sid o/c edge, 12" o/c field 3x abutting pa blocked (See footnote 3, 4, 5, & 6)
SHEAR VALUE (PLF)	260*	375*	490*	550*	665*	870*
ANCHOR BOLT SPACING	5%" @ 48" or ½" @ 32"	5⁄8" @ 32" or 1∕2" @ 24"	5%" @ 24" or ½" @ 16"	5⁄8" @ 24" or 1∕2" @ 16"	5%" @ 16" or ½" @ 12"	⁵ ∕ ₈ " @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	6"	4"	31⁄2"	3"	¼"x4½" SDS screws @ 8"	½"x4½" 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.

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(3) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE 1/2" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 1/2" 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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project

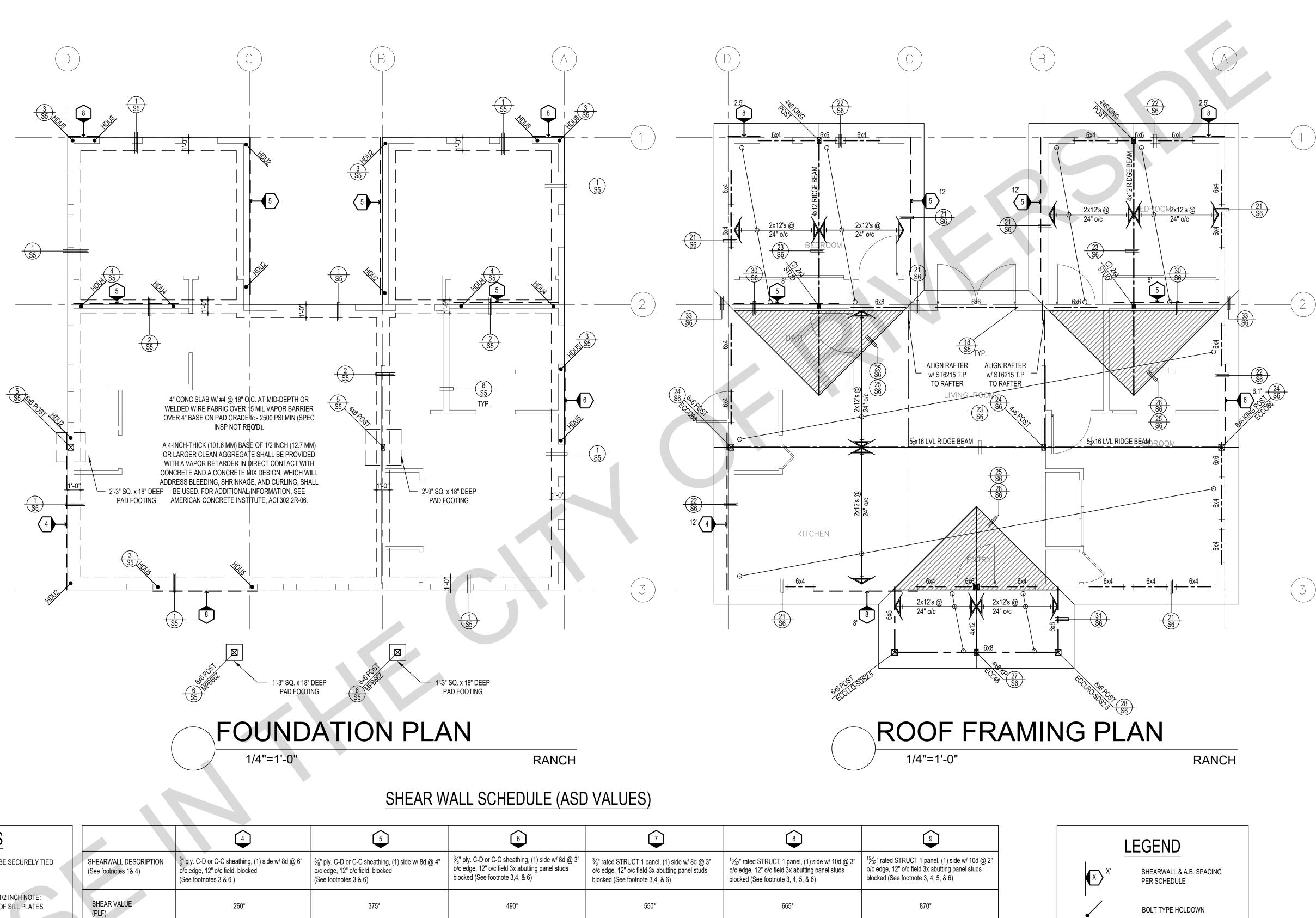
City of Riverside Pre-Approved ADU Program

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DESIGN PATH STUDIO

sheet no.



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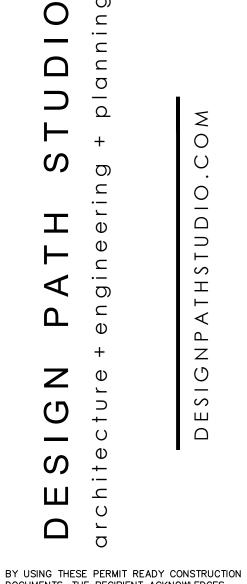
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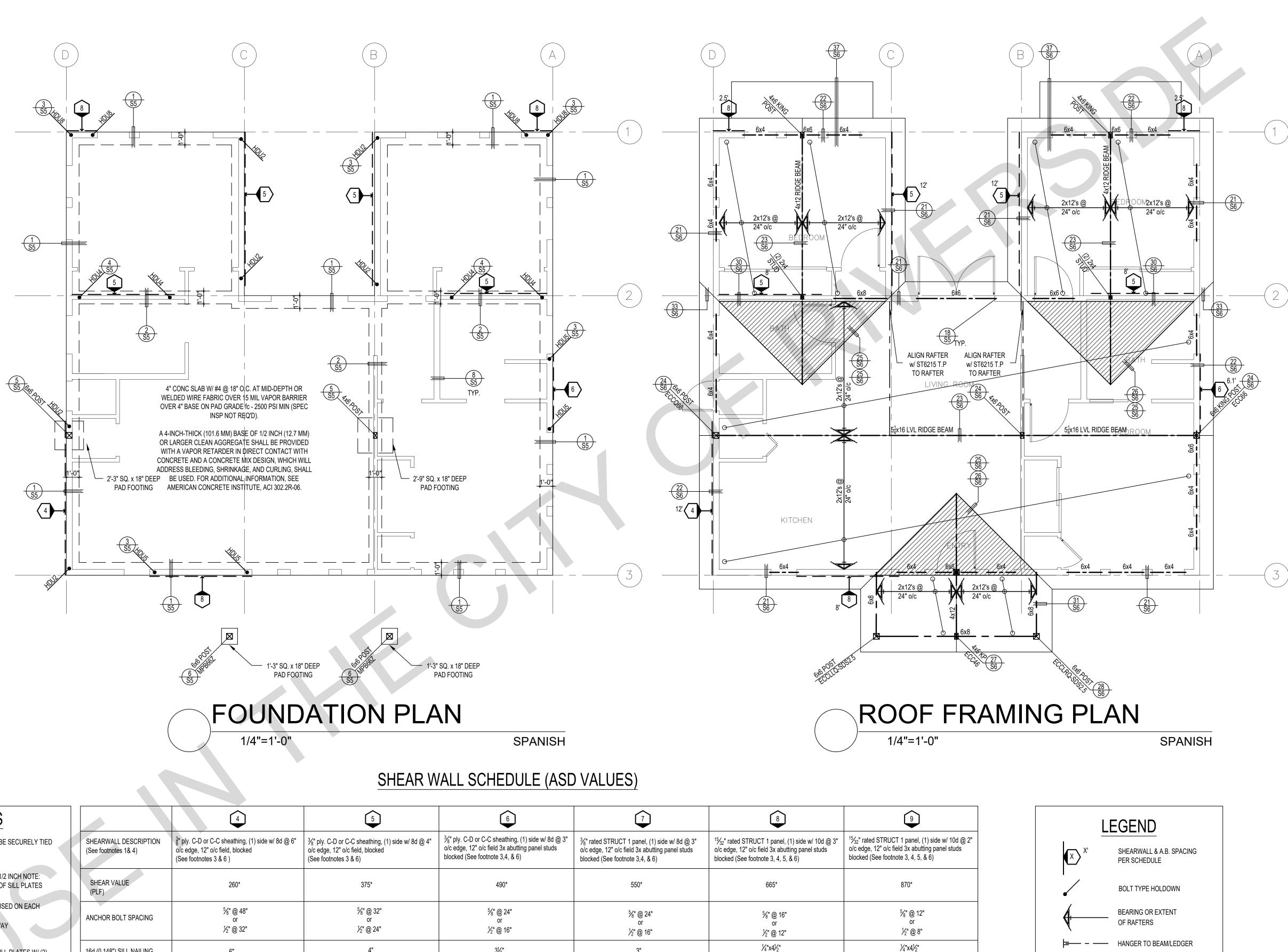
- ---- HANGER TO BEAM/LEDGER

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City of Riverside Pre-Approved ADU Program

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- ANCHOR BOLT. 5. PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 5. 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)	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)	$\frac{3}{8}$ " 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) sid o/c edge, 12" o/c field 3x abutting pa 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"	5⁄8" @ 32" or ½" @ 24"	5%" @ 24" or ½" @ 16"	5%" @ 24" or 1∕2" @ 16"	5⁄8" @ 16" or 1⁄2" @ 12"	5∕8" @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	6"	4"	3½"	3"	¼"x4½" 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 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 1/2" 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.

(5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING.

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

BEARING OR EXTENT OF JOISTS

* PLEASE REFER TO NOTES 311 & 401 ON S1 FOR LUMBER GRADE SPECIFICATIONS.

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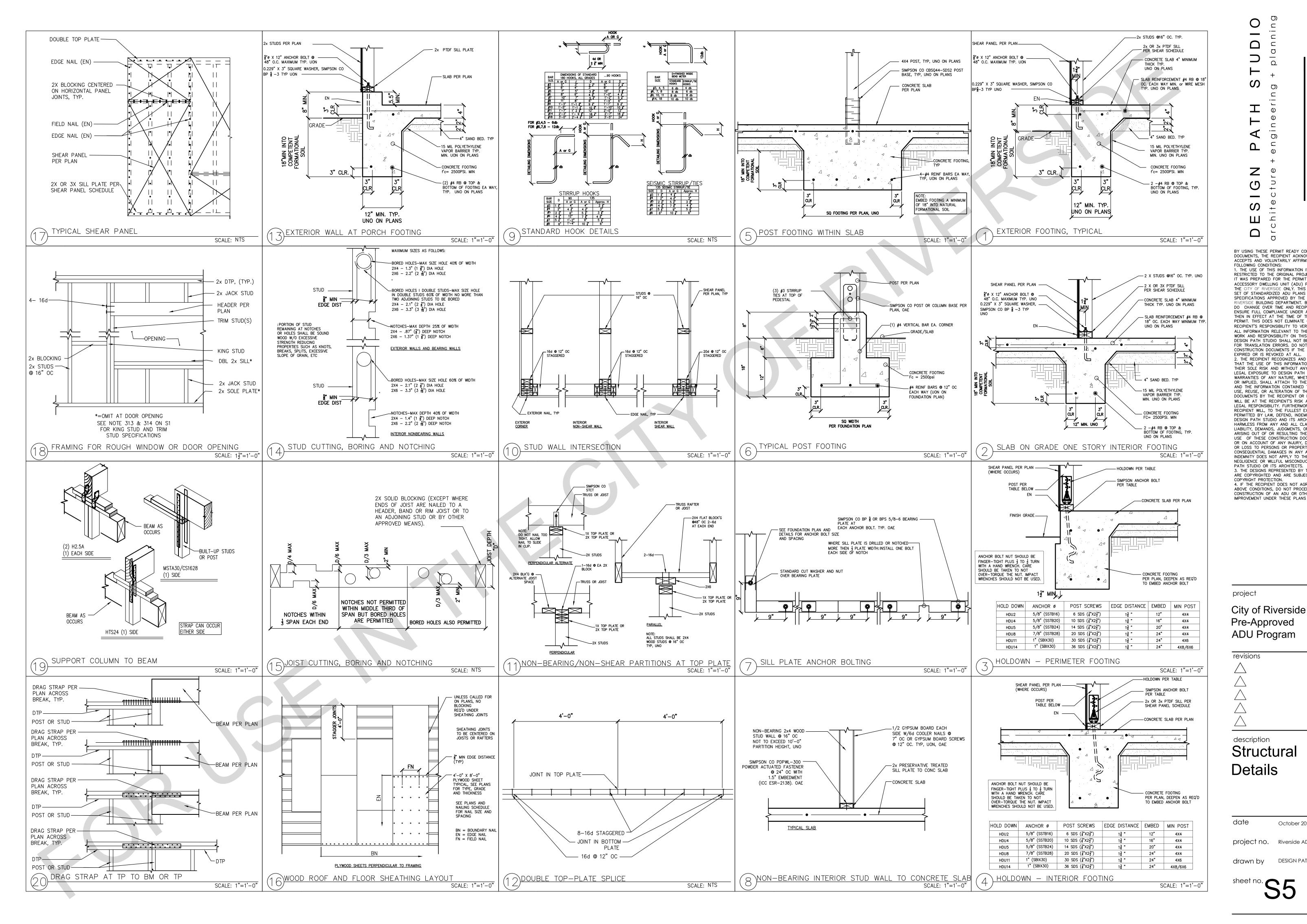
City of Riverside Pre-Approved ADU Program

revisions \square \triangle \triangle \square description Spanish Foundation & Framing <u>Plan</u> date October 2023 project no. Riverside ADU

drawn by

DESIGN PATH STUDIO

sheet no.



ADU Program revisions description Structural Details date October 2023 project no. Riverside ADU DESIGN PATH STUDIO drawn by sheet no. S5

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project

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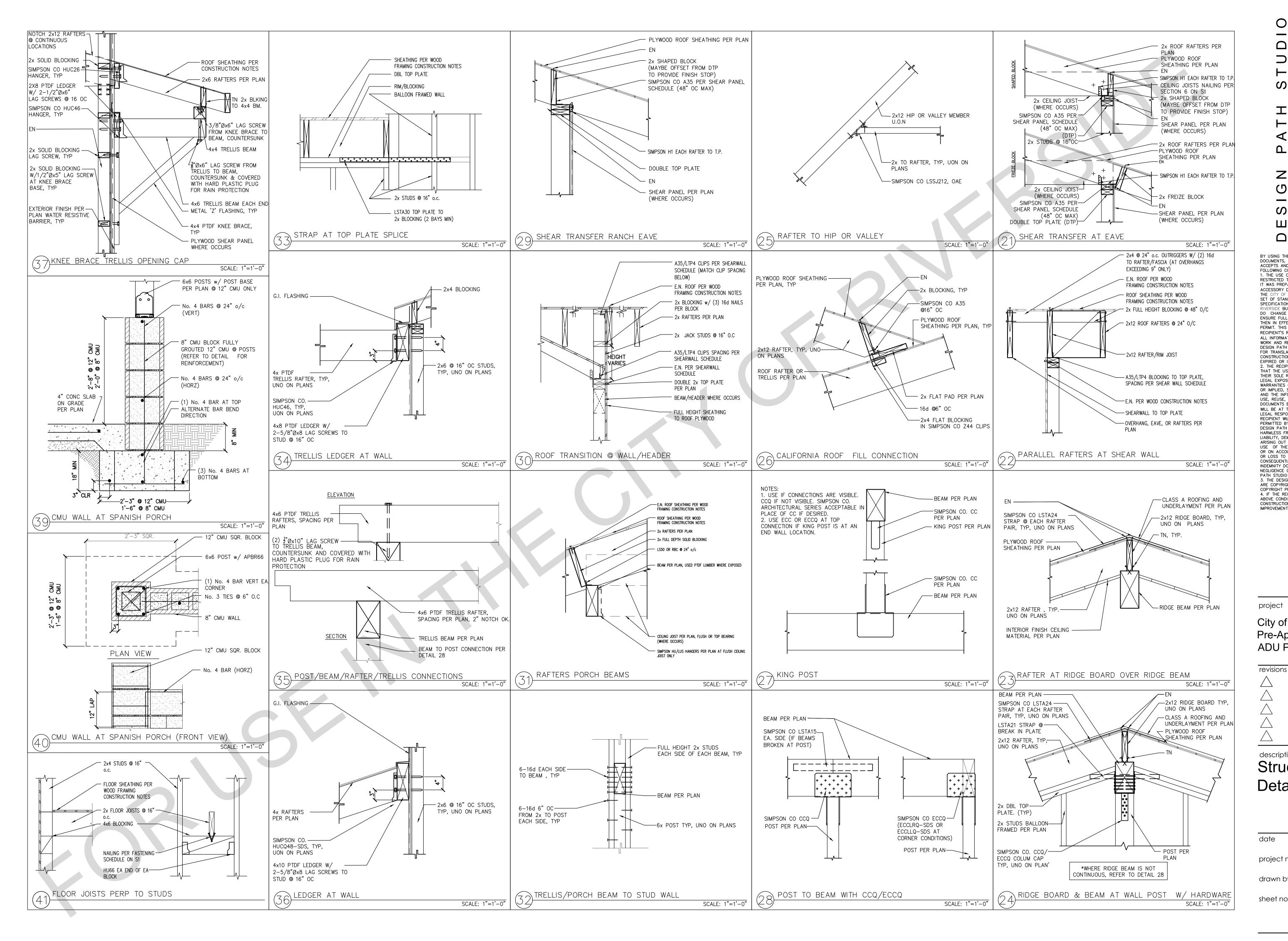
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FOLLOWING CONDITIONS:



description Structural Details date October 2023 project no. Riverside ADU DESIGN PATH STUDIO drawn by sheet no. S6

City of Riverside Pre-Approved ADU Program

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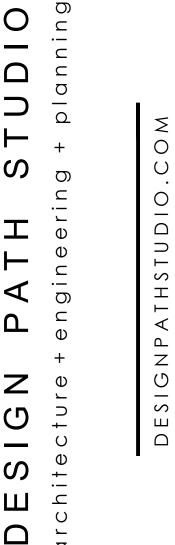
ABOVE CONDITIONS, DO NOT PROCEED WITH

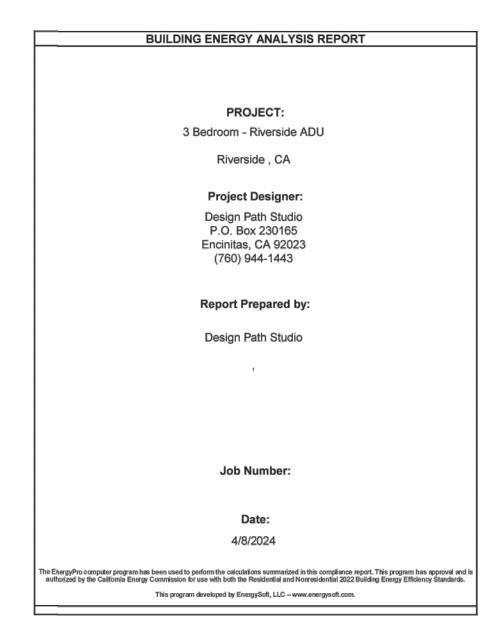
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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD CF1R-PRF-01-E Project Name: 3 Bedroom - Riverside ADU Calculation Date/Time: 2024-04-08T12:01:25-07:00 (Page 3 of 13) Calculation Description: Title 24 Analysis Input File Name: 3 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	1.57	7.18	1.72	12.21	-0.15	-5.03
Space Cooling	1.21	26.69	0.86	22.05	0.35	4.64
IAQ Ventilation	0.42	4.4	0.42	4.4	0	0
Water Heating	2.01	20.41	1.21	13.56	0.8	6.85
Self Utilization/Flexibility Credit				0		0
North Facing Efficiency Compliance Total	5,21	58.68		52.22	1	6.46
Space Heating	1.57	7.18		12.24	-0.14	-5.06
Space Cooling	1.21	26.69 R S		DE R25.57	0.24	1.12
IAQ Ventilation	0.42	4.4	0.42	4.4	0	0
Water Heating	2.01	20.41	1.2	13.54	0.81	6.87
Self Utilization/Flexibility Credit				0		0
East Facing Efficiency Compliance Total	5.21	58.68	4.3	55.75	0.91	2.93

Registration Number: 224-P010043434A-000-000-0000000-0000 Registration Date/Time: 2024-04-08 12:12:04 HERS Provider: CalCERTS inc. CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2024-04-08 12:03:10 Schema Version: rev 20220901

CF1R-PRF-01-E

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Calculation Date/Time: 2024-04-08T12:01:25-07:00 (Page 6 of 13) Project Name: 3 Bedroom - Riverside ADU Calculation Description: Title 24 Analysis Input File Name: 3 Bedroom - Riverside.ribd22x REQUIRED PV SYSTEMS 07 08 09 01 02 04 05 06 10 12 03 11 Annual Azimuth Tilt Array Angle (deg) Input (deg) DC System Size Tilt Array Angle Tilt: (x in Inverter Eff. Module Type Array Type Solar Access Exception Power Electronics (kWdc) 12) (%) (%) 2.44 NA Standard (14-17%) Fixed none true 150-270 n/a n/a <=7:12 96 98 REQUIRED SPECIAL FEATURES The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis. Variable capacity heat pump compliance option (verification details from VCHP Staff report, Appendix B, and RA3) Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed HERS FEATURE SUMMARY The 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 detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the HERS Registry Quality insulation installation (QII) Indoor air quality ventilation Kitchen range hood I D E R Verified 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 ft2 (SC3.4.5) Ductless indoor units located entirely in conditioned space (SC3.1.4.1.8) BUILDING - FEATURES INFORMATION 01 07 02 03 04 05 06 Number of Dwelling Number of Ventilation Number of Water Project Name nditioned Floor Area (ft²) Number of Bedrooms Number of Zones Units **Cooling Systems** Heating Systems 3 Bedroom - Riverside ADU 1200 1 1 0 1 3

Registration Number: 224-P010043434A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance Registration Date/Time: 2024-04-08 12:12:04 Report Version: 2022.0.000

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Report Generated: 2024-04-08 12:03:10

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Calculation Date/Time: 2024-04-08T12:01:25-07:00 Project Name: 3 Bedroom - Riverside ADU Calculation Description: Title 24 Analysis Input File Name: 3 Bedroom - Riverside.ribd22x GENERAL INFORMATION Project Name 3 Bedroom - Riverside ADU Run Title Title 24 Analysis Project Location Standards Version 2022 City Riverside 05

Software Version EnergyPro 9.2 07 Zip code 09 Climate Zone 10 Front Orientation (deg/ Cardinal) All orientations 11 Building Type Single family Number of Dwelling Units 13 Project Scope Newly Constructed Number of Bedrooms Addition Cond. Floor Area (ft²) 0 Number of Stories 14 15 Fenestration Average U-factor 0.3 16 Existing Cond. Floor Area (ft²) ^{n/a} 17 19 Glazing Percentage (%) 16.73% Total Cond. Floor Area (ft²) 1200 ADU Bedroom Count n/a 21 ADU Conditioned Floor Area n/a Fuel Type Natural gas 23 No Dwelling Unit: No 22 COMPLIANCE RESULTS 01 Building Complies with Computer Performance 02 This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider. 03 This building incorporates one or more Special Features shown below

Registration Number: 224-P010043434A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Date/Time: 2024-04-08 12:12:04 Report Version: 2022.0.000 Schema Version: rev 20220901

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CF1R-PRF-01-E

(Page 4 of 13)

CF1R-PRF-01-E

(Page 1 of 13)

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: 3 Bedroom - Riverside ADU Calculation Date/Time: 2024-04-08T12:01:25-07:00 Calculation Description: Title 24 Analysis Input File Name: 3 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	1.57	7.18	1.58	11.34	-0.01	-4.16
Space Cooling	1.21	26.69	0.91	22.93	0.3	3.76
IAQ Ventilation	0.42	4.4	0.42	4.4	0	0
Water Heating	2.01	20.41	1.2	13.54	0.81	6.87
Self Utilization/Flexibility Credit				0		0
South Facing Efficiency Compliance Total	5.21	58.68	4,11	52.21	1.1	6.47
Space Heating	1.57	7,18	1.69	12.05	-0.12	-4.87
Space Cooling	1.21	H 26.69 R S	PRUNVII		0.22	2.19
IAQ Ventilation	0.42	4.4	0.42	4.4	0	0
Water Heating	2.01	20.41	1.2	13.54	0.81	6.87
Self Utilization/Flexibility Credit				0		0
West Facing Efficiency Compliance Total	5.21	58.68	4.3	54.49	0.91	4.19

Registration Number: 224-P010043434A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Date/Time: 2024-04-08 12: 12:04 Report Version: 2022.0.000 Schema Version: rev 20220901

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: 3 Bedroom - Riverside ADU Calculation Date/Time: 2024-04-08T12:01:25-07:00 Calculation Description: Title 24 Analysis Input File Name: 3 Bedroom - Riverside.ribd22x													CF1R-PRF-01-E (Page 7 of 13)				
ZONE INFORMATI	ON																
01		02		03			04	ļ.			05		06			07	
Zone Nam	e	Zone Type	HVAC	System	Name	z	one Floor	Area (ft	2)	Avg. G	eiling H	leight V	Vater Heating S	ystem 1		Status	
ADU		Conditioned	r	vini Spli	t1		120	00			9.5		DHW Sys	1	New		
OPAQUE SURFACE	ES																
01		02	0	3			04		05			06	0	7		08	
Name		Zone	Constr	Construction Azimuth Orientation Gross Area (ft ²) Window and Door Area (ft2)										Tilt (deg)			
Front Wall		ADU	R-19	R-19 Wall 0 Front 304 61.25							25	5 90					
Right Wall		ADU	R-19	Wall			270		Right		322		3	32		90	
Back Wall		ADU	R-19 Wall				180		Back			304	9	2		90	
Left Wall		ADU	R-19	Wall	90		90		Left			322	30	.9		90	
	CATUERR					$\left(\begin{array}{c} \end{array} \right)$		\Box									
OPAQUE SURFACE	02		04		05		0	\mathbb{N}				08	09	10		11	
01	02	US	04			85				20				10	,		
Name	Zone	Construction	Azimut	h	Orienta		Area	(ft ²)		light Area Roof (ft ²)		f Rise (x in 12)	Roof Reflectance	Roof Emi	ittance	Cool Roof	
Roof	ADU	R-30 Roof No Attic	0		Fro	nt	12	00	()	4		0.1	0.8	5	No	
FENESTRATION /	GLAZING																
01	02	03	04	05	;	06	07	08	09	:	10	11	12	13		14	
Name	Туре	Surface	Orientation	Orientation Azimuth V			Height (ft)	Mult.	Area (ft ²)	U-fa	actor	U-factor Source	SHGC	SHGC So	urce	Exterior Shading	
Window B	Window	Front Wall	Front	0				1	5	0	0.3	NFRC	0.23	NFRO	2	Bug Screen	
Window B 2	Window	Front Wall	Front	0				1	5	0	0.3	NFRC	0.23	NFRO	:	Bug Screen	
Glass Door 1	Window	Front Wall	Front	Front 0 1 20 0.3 NFRC 0.23 NF								NFRO	:	Bug Screen			

Registration Number: 224-P010043434A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance Registration Date/Time: 2024-04-08 12:12:04

Report Version: 2022.0.000 Schema Version: rev 20220901 HERS Provider: CalCERTS inc.

Report Generated: 2024-04-08 12:03:10

Calculation Description: Title 24 Analysis ENERGY DESIGN RATINGS Standard Design North Facing East Facing South Facing West Facing Efficiency EDR includes improvements lik ²Total EDR includes efficiency and demand re ³Building complies when source energy, effic Standard Design PV Capacity: 2.44 kWdc Proposed PV Capacity Scaling: North (2.44 kWdc) East (2.44 kWdc) South (2.44 kWdc) West (2.44 kWdc)

Registration Number: 224	4-P010043434A-000-000-0000000-0000	Registration Date/Time:	2024-04-08 12:12:04 HEF	RS Provider: CalCERTS inc.
CA Building Energy Efficiency	y Standards - 2022 Residential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220		oort Generated: 2024-04-08 12:03:10
CERTIFICATE OF COMPLIA	NCE - RESIDENTIAL PERFORMANCE COMPL	IANCE METHOD		CF1R-PRF-01-F
Project Name: 3 Bedroom	- Riverside ADU	Calculation Date	/Time: 2024-04-08T12:01:25-07	:00 (Page 5 of 13
Calculation Description: Ti	itle 24 Analysis	Input File Name:	3 Bedroom - Riverside.ribd22x	
ENERGY USE INTENSITY				
	Standard Design (kBtu/ft ² - yr)	Proposed Design (kBtu/ft ² - yr)	Compliance Margin (kBtu/ft ² - y	r) Margin Percentage
North Facing		•		
Gross EUI ¹	19.72	17.96	1.76	8.92
Net EUI ²	7.91	6.14	1.77	22.38
East Facing		3		·
Gross EUI ¹	19.72	18.3	1.42	7.2
Net EUI ²	7.91	6.48	1.43	18.08
South Facing				•
Gross EUI ¹	19.72	17.92	1.8	9.13
Net EUI ²	7.91		1.810	22.88
West Facing		KS PROV	IDEN	
Gross EUI ¹	19.72	18.16	1.56	7.91
Net EUI ²	7.91	6.34	1.57	19.85
Notes	1	1	1	1
	Total (not including PV) / Total Building Area. otal (including PV) / Total Building Area.			
		i		

Registration Number: 224-P010043434A-000-000-000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

alculation Desc	ription: Title	24 Analysis					Input Fi	le Name	: 3 Bedroom	- Riverside.ri	bd22x		
ENESTRATION /	GLAZING		L									1	
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-factor	U-factor Source	SHGC	SHGC Source	Exterior Shadir
Window B3	Window	Front Wall	Front	0			1	5	0.3	NFRC	0.23	NFRC	Bug Screen
Window A	Window	Front Wall	Front	0			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 2	Window	Front Wall	Front	0			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 3	Window	Front Wall	Front	0			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window D	Window	Right Wall	Right	270			1	5.5	0.3	NFRC	0.23	NFRC	Bug Screen
Window D 2	Window	Right Wall	Right	270			1	5.5	0.3	NFRC	0.23	NFRC	Bug Screen
Window C	Window	Right Wall	Right	270) (مر	1	4.5	0.3	NFRC	0.23	NFRC	Bug Screen
Window D 3	Window	Right Wall	Right	270			R	5.5	0.3	NFRC	0.23	NFRC	Bug Screen
Window D 4	Window	Right Wall	Right	270				5.5	0.3	NFRC	0.23	NFRC	Bug Screen
Window D 5	Window	Right Wall	Right	270			1	5.5	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 4	Window	Back Wall	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 5	Window	Back Wall	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 6	Window	Back Wall	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
French Door 6	Window	Back Wall	Back	180			1	39.5	0.3	NFRC	0.23	NFRĆ	Bug Screen
Window A 7	Window	Back Wall	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 8	Window	Back Wall	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 9	Window	Back Wall	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window D 6	Window	Left Wall	Left	90			1	5.5	0.3	NFRC	0.23	NFRC	Bug Screen

CA Building Energy Efficiency Standards - 2022 Residential Compliance

roject Name: 3 Bedroom - Riverside AD				ne: 2024-04-08T12:01:		(Page 2 of :
alculation Description: Title 24 Analysis	<i>}</i>		input File Name: 5 Be	edroom - Riverside.rib	JZZX	
NERGY DESIGN RATINGS						
		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	37.6	40.2	29.6			
		Propose	ed Design	,		
North Facing	34.7	35.8	27.3	2.9	4.4	2.3
East Facing	35	38.2	28.5	2.6	2	1.1
South Facing	34.4	35.7	27.3	3.2	4.5	2.3
West Facing	35	37.3	28.1	2.6	2.9	1.5
		RESULT	T ³ : PASS	Inc	·	
Efficiency EDR includes improvements like a	hatter huilding anusland		NU 20	UUUSo		

Registration Date/Time: 2024-04-08 12:12:04 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2024-04-08 12:03:10

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Report Version: 2022.0.000 Schema Version: rev 20220901 HERS Provider: CalCERTS inc.

Report Generated: 2024-04-08 12:03:10

STUDIO	ng + planning	
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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 CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

City of Riverside Pre-Approved

ADU Program

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revisions

description

Energy Calculations

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no. 🗕	
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CERTIFICATE OF	COMPLIA	NCE - RESIDENTIAL	PERFORMAN	CE COMP	LIANCE ME	THOD									CF1R-PRF-01-
Project Name: 3	Bedroom	- Riverside ADU					Calcula	tion Date	e/Tim	ie: 2024-	04-08T12	2:01:25-07	:00		(Page 9 of 13
Calculation Desc	ription: Ti	tle 24 Analysis					Input F	ile Name	: 3 Be	edroom -	Riversid	e.ribd22x			
FENESTRATION / O	GLAZING														
01	02	03	04	05	06	07	08	09		10	11	12	2	13	14
Name	Туре	Surface	Orientation	Azimuth	h Width (ft)	Height (ft)	Mult.	Area (ft ²)	U-f	factor	U-facto Source	SHG	ic 🛛	SHGC Source	Exterior Shadin
Window D 7	Window	Left Wall	Left		1	5.5		0.3	NFRC	0.2	3	NFRC	Bug Screen		
Window C 2	Window	Left Wall	Left	90			1	4.5		0.3 NFRC		0.2	3	NFRC	Bug Screen
OPAQUE DOORS	E DOORS														
	01		1	02					0)3				04	
Name Side of Building									Area	n (ft ²)				U-factor	
	Door	Ĩ I	11	Left Wa	all				15	5.4				0.5	
SLAB FLOORS) I D I									
01		02	03		04			05	λ		06		07		08
Name		Zone	Area (ft ²)		Perimeter	(ft)		nsul. R-va nd Depth	lue	Edge I	lue Ca	Carpeted Fraction		Heated	
Slab-on-Grade	e	ADU	1200		145			none	60		0		80%	6	No
OPAQUE SURFACE	CONSTRU	CTIONS													
01		02	03			04		05		0	6	07		08	
Construction N	lame	Surface Type	Construction Type Framing					Total Cav R-value	ity	/ Interior Contir R-va	nuous	U-factor		Assembly	Layers
R-19 Wall		Exterior Walls	Wood Framed Wall 2x6 @ 16 in. C					R-19		None /	None	0.074	Cavity	Inside Finish: G / Frame: R-19 i 2x6 Exterior Finish: 3	n 5-1/2 in. (R-18)

Registration Number: 224-P010043434A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Date/Time: 2024-04-08 12:12:04 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2024-04-08 12:03:10

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD CF1R-PRF-01-E Project Name: 3 Bedroom - Riverside ADU Calculation Date/Time: 2024-04-08T12:01:25-07:00 (Page 12 of 13) Calculation Description: Title 24 Analysis Input File Name: 3 Bedroom - Riverside.ribd22x

VARIABLE CAPACITY	HEAT PUMP O	OMPLIA	NCE OPTI	ON - HERS V	ERIFICATION								
01		0	2	03	04	05	06		07	08	3	09	10
Name		Low-Static Habita VCHP System Room		Airflow t Habitabl Rooms	le in Conditioned	I Wall Mount	Air Filter Sizing & Pressure Drop Rating	Con	v Leakage Ducts in nditioned Space	Minin Airflov RA3.3 SC3.3.3	v per and	Certified non-continuo Fan	Indoor Fan not Running Continuously
Heat Pump Sys	tem 1	Not re	quired	Required	d Required	Required	Not required	Not	t required	Not req	luired	Not required	Not required
INDOOR AIR QUALITY	(IAQ) FANS												
01	02		А	03	04	05	06		07	,		08	09
Dwelling Unit	Airflow (C	FM)		Efficacy /CFM)	IAQ Fan Type	Includes Heat/Energy Recovery?	IAQ Recove Effectivenes SRE/ASRE	is -	Include: Indicator		HERS	Verification	Status
SFam IAQVentRpt	65	1	0	.35	Exhaust	No	n/a / n/a		No)		Yes	
		/	Er.	12 1				1					
PROJECT NOTES			VX	111									
Energy Pro uses ASHR	AE method fo	r HVAC s	izing.		MBRG	RPR		5) (3 0				

Registration Number: 224-P010043434A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance Registration Date/Time: 2024-04-08 12:12:04 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2024-04-08 12:03:10

2022 Single-Family Residential Mandatory Requirements Summary (2) NOTE: Single-family residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information. (04/2022 Buikling Envelope: Buikling Envelope: Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or Air Leakage. Manufactured fenestration, exterior doors less when tested per NFRC-400, ASTM E283, or AAMA/WDMA/CSA 101/I.S.2/A440-2011.* § 110.6(a)5: Labeling. Fenestration products and exterior doors must have a label meeting the requirements of \$10-111 Field fabricated exterior doors and fenestration products must never a kater meeting one requirements or § 10-11 (a). Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.6-A, 110.6-B, or JA4.5 for exterior doors. They must be calked and/or weather-stripped. Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage must be cauked, gasketed, or weather stripped. § 110.6(b): § 110.7: Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of Household Goods and Services (BHGS). § 110.8(a); Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(g). Roofing Products Solar Reflectance and Thermal Emittance. The thermal emittance and aged solar reflectance values of the roofing material must meet the requirements of § 110.8(i) and be labeled per §10-113 when the installation of a cool roof is specified on the CF1R. § 110.8(g): § 110.8(); Radiant Barrier. When required, radiant barriers must have an emittance of 0.05 or less and be certified to the Department of Consumer § 110.8(j): Attars. Roof Deck, Ceiling and Rafter Roof Insulation. Roof decks in newly constructed attics in climate zones 4 and 8-16 area-weighted Average U-factor not exceeding U-0.184. Ceiling and rafer roofs minimum 201s tubere areas in climate zones 4 and e-to area-weighted average U-factor not exceeding U-0.184. Ceiling and rafer roofs minimum R-21 subtainto in wood-frame ceiling; or area-weighted average U-factor not exceed 0.043. Rafter roof alterations minimum R-19 or area-weighted average U-factor of 0.054 or less. Attic access doors must have permanently attached insulation using adhesive or mechanical fasteners. The attic access must be gasketed to prevent air teakage. Insulation must be installed in direct contact with a roof or ceiling which is sealed to limit infiltration and exfiltration as specified in § 110.7, including but not limited to placing insulation either above or below the roof deck or on top of a dywall ceiling. § 150.0(a); Loose-fill Insulation. Loose fill insulation must meet the manufacturer's required density for the labeled R-value. Wall Insulation. Minimum R-13 insulation in 2x4 inch wood framing wall or have a U-factor of 0.102 or less, or R-20 in 2x6 inch wood § 150.0(b): § 150.0(c): framing or have a U-factor of 0.071 or less. Opaque non-framed assemblies must have an overall assembly U-factor not exceeding 0.10 Masonry walls must meet Tables 150.1-A or B. Raised-floor Insulation. Minimum R-19 insulation in raised wood framed floor or 0.037 maximum U-factor.* Slab Edge Insulation. Slab edge insulation must meet all of the following: have a water absorption rate, for the insulation material alone without facings, no greater than 0.3 percent; have a water vapor permeance no greater than 2.0 perm per inch; be protected from physical diamage and UV light deterioration; and, when installed as part of a headed slab floor, meet the requirements of § 110.8(g). Vapor Retarder, In climate zones 1 through 16, the earth floor of unvented crawl space must be covered with a Class I or Class II vapor retarder. This requirement also applies to controlled ventibilition crawl space for buildings complying with the exception to §100.(g). Vapor Retarder, In climate zones 14 and 16, a Class I or Class II vapor retarder must be installed on the conditioned space side of all insulation in all advirtual affice and unvented affice and unvented affice. § 150.0(d): § 150.0(f): § 150.0(g)1: S 150.0(g)2 all insulation in all existence wells were at the second and the second and the second at the sec Fireplaces, Decorative Gas Appliances, and Gas Log: § 110.5(e) Pilot Light. Continuously burning pilot lights are not allowed for indoor and outdoor fireplaces. Closable Doors. Masonry or factory-built freplaces must have a closable metal or glass door covering the entire opening of the firebo § 150.0(e)1: Combustion Intake. Masonry or factory-built fireplaces must have a combustion outside air intake, which is at least six square inches in area and is equipped with a readily accessible, operable, and tight-fitting damper or combustion air control device. § 150.0(e)2: § 150.0(e)3: Flue Damper. Masonry or factory-built fireplaces must have a flue damper with a readily accessible control.* Space Cenditioning, Water Heating, and Plumbing System: Certification. Heating, ventilation, and air conditioning (HVAC) equipment, water heaters, showerheads, faucets, and all other

 § 110.0-§ 110.3:
 Certification. Heating, ventilation, and air conditioning (HVAC) equipment, water heaters, showerheads, faucets, and all other regulated applicances must be certified by the manufacturer to the California Energy Commission.

 § 110.2(a):
 HVAC Efficiency. Equipment must meet the applicable efficiency requirements in Table 110.2- A through Table 110.2-N.

 Controls for Heat Pumps with Supplementary Electric Resistance Heaters. Heat pumps with supplementary electric resistance heaters must have controls that prevent supplementary heater operation when the heating load can be met by the heat pump alone; and in which the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating.

 § 110.2(b):
 Thermostats. All heating or cooling systems not controlled by a central energy management control system (EMCS) must have a

 § 110.2(c): setback thermostat.* Insulation. Unfired service water heater storage tanks and solar water-heating backup tanks must have adequate insulation, or tank surface heat loss rating. § 110.3(c)3: Isolation Valves. Instantaneous water heaters with an input rating greater than 6.8 kBtu per hour (2 kW) must have isolation valves with § 110.3(c)6: hose bibbs or other fittings on both cold and hot water lines to allow for flushing the water heater when the valves are closed.

5/6/22

CERTIFICATE OF COM	IPLIANCE - RESI	DENTIA	L PERFORMAN	ICE COM	IPLIANCE M	IETHOD							CF1R-PRF-01	
Project Name: 3 Bedi								ion Date/Ti				00	(Page 10 of 1	
Calculation Description		ilysis					Input Fi	e Name: 3	Bearoom	- Riversia	e.ribd22x			
01	02		03			04		05	()6	07	08		
Construction Name	Surface	Туре	Constructio	in Type	F	raming		Total Cavity R-value	Conti	/ Exterior nuous alue	U-factor	Asse	nbly Layers	
R-30 Roof No Attic	Cathedral	Ceilings	Wood Fra Ceilin		2x12 (@ 24 in. Q.	C.	R-30	None	/ None	0.033	Roofing: 10 PSF (Roof TileAirC Tile Gap: present Roof Deck: Wood Siding/sheathing/decking Cavity / Frame: R-30 / 2x1 Inside Finish: Gypsum Boar		
BUILDING ENVELOPE -	HERS VERIFICATI	ON												
01)3			04			05			
Quality Insulation Inst		n Insulati	on Buil	ding Envelo		akage		CFM50		_	CFM50			
Required					R		n/a			n/a				
WATER HEATING SYSTE	MS	15			2016	56								
01	02		03	H.	64 R S	5 R)5 R ($\mathcal{P} \vee \mathbf{a}$	5 D (IR.	17	08	09	
Name	System Type	Water H	eater Name	Number	her of Linits I		leating tem		pact bution	HERS Verification	Water Heater Name (#)			
DHW Sys 1	Domestic Hot Water (DHW)	Heater 1		1 n/a None				ne	n/a	DHW Heater 1 (1				
WATER HEATERS - NEE/	A HEAT PUMP													
01	02		03		04	ļ		05		06		07	08	
Name	# of Unit	s	Tank Vol. (gal)	NEEA Hea Bran			Heat Pump Model	Tai	nk Location	n Duct	Inlet Air Source	Duct Outlet Air Sour	
DHW Heater 1	1		50		Rhee	em		0HS45U0 (50 al, JA13))	Outside		ADU	ADU	
CA Building Energy Effi CERTIFICATE OF COM Project Name: 3 Bedi Calculation Descriptio	IPLIANCE - RESI room - Riverside	DENTIA e ADU			IPLIANCE M	Schema	Version: i	222.0.000 rev 20220901 ion Date/Ti le Name: 3	me: 2024		2:01:25-07:		4-04-08 12:03:10 CF1R-PRF-01 (Page 13 of 1	
DOCUMENTATION AUT	HOR'S DECLARA	TION STA	TEMENT											
1. I certify that this Cert		ance doci	umentation is a	ccurate ar	nd complete.									
Documentation Author Na Yvonne St Pierre	me:						Documen	ation Author S		Yvonne St	Pierre			
^{Company:} Design Path Studio	0						Signature 2024-1	Date: 04-08 12:12	2:04			, ,		
Address: PO Box 230165				;			CEA/ HER	Certification I	dentification	n (if applicat	ile):			
City/State/Zip: Encinitas, CA 9202	23						Phone: 619-2	92-8807						
	ESPONSIBLE PERSON'S DECLARATION STATEMENT													
I certify the following under penalty of perjury, under the laws of the State of California: I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Co I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24 The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 									, Part 1 and P					
Responsible Designer Nam Yvonne St Pierre		V					Responsible Designer Signature: Yvonne St.Pierre							
^{Company:} Design Path Studio	•			H	z R S	5 P	Date Signe 2024-1	d: 04-08 12:12	2:04					
Address: PO Box 230165							License: C 34789							
City/State/Zip: Encinitas, CA 9202	//State/Zip: ncinitas, CA 92023								Phone: 619-292-8807					

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.

Registration Number: 224-P010043434A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Date/Time: 2024-04-08 12:12:04 Report Version: 2022.0.000 Schema Version: rev 20220901



HERS Provider: CalCERTS inc. Report Generated: 2024-04-08 12:03:10

2022 Single-Family Residential Mandatory Requirements Summary Pilot Lights. Continuously burning pilot lights are prohibited for natural gas: fan-type central fumaces; household cooking appliances § 110.5; (except appliances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu per hour); and pool spa heater spa heaters. Building Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook, Equipment Volume, Applications Volume, and Fundamentals Volume; the SMACNA Residential Comfort System Installation Standards Manual; or the ACCA Manual J using design conditions specified in § 150.0(h)2. Clearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any design. § 150.0(h)1: § 150.0(h)3A: aryer. Liquid Line Drier. Air conditioners and heat pump systems must be equipped with liquid line filter driers if required, as specified by the § 150.0(h)3B: manufacturer's instructions. Water Piping, Solar Water-heating System Piping, and Space Conditioning System Line Insulation. All domestic hot water piping must be insulated as specified in § 609.11 of the California Plumbing Code. * § 150.0(j)1: Insulation Protection. Piping insulation must be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind as required by §120.3(b). Insulation exposed to weather must be water retardant and protected from UV light (no adhesive tapes). Insulation covering childed water piping and refrigerant suction piping located outside the conditioned space must include, or be protected by, a Class I or Class II vapor retarder. Pipe insulation buned below grade must be installed in a waterproof and § 150.0(j)2: non-crushable casing or sleeve. Gas or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must designate a space at least 2.5 v z.5 x 7' suitable for the future installation of a heat pump water heater, and meet electrical and plumbing requirements, based on the distance between this designated space and the water heater location; and a condensate drain no § 150.0(n)1: painting requirements used on the distance between all designated space and the water reader reader reader. The value of the state of the water heating solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and Certification Corporation (SRCC), the International Association of Plumbing and Mechanical Officials, Research and Testing (IAPMO R&T), or by a listing agency that is approved by the executive director. § 150.0(n)3: Ducts and Fans:
Ducts. Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC). If a
Ducts Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC). If a § 110.8(d)3: contractor installs the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement.
CMC Compliance. All air-distribution system ducts and plenums must meet CMC §§ 601.0-605.0 and ANSI/SMACNA-006-2006 HVAC Duct Construction Standards Metal and Flexible 3rd Edition. Portions of supply-air and return-air ducts and plenums must be insulated to R-6.0 or higher; ducts located entirely in conditioned space as confirmed through field verification and diagnostic testing (RA3.1.4.3.8) do not require insulation. Connections of metal ducts and inner core of flaxible ducts must be mechanically fastened. Openings must be sealed with mastic, tape, or other duct-closure system that meets the applicable UL requirements, or aerocol sealent that meets UL 723. The combination of mastic and either mesh or tape must be used to seal openings greater than ¼, if mastic or tape is used. Building § 150.0(m)1: cavifes, air handler support platforms, and plenums designed or constructed with materials other than sealed sheet melal, duct board o flexible duct must not be used to convey conditioned air. Building cavities and support platforms may contain ducts; ducts installed in these spaces must not be compressed. Factory-Fabricated Duct Systems. Factory-fabricated duct systems must comply with applicable requirements for duct construction, connections, and closures; joints and seams of duct systems and their components must not be sealed with cloth back rubber adhesive duct tapes unless such tape is used in combination with mastic and draw bands. Field-Fabricated Duct Systems. Field-fabricated duct systems suct comply with applicable requirements for: pressure-sensitive tapes, mastics, sealants, and other requirements specified for duct construction. Backdraft Damper, Fan systems that exchange air between the conditioned space and outdoors must have backdraft or automatic dampers. § 150.0(m)2: § 150.0(m)3: § 150.0(m)7: Backtratt varinger. Fait systemis und datering en sourcent are orthationed space must have either automatic or readily accessible, manually operated dampers in all openings to the outside, except combustion linkt and outlet aria openings and elevator shaft vents. Protection of Insulation. Insulation must be protected from damage due toxunight, moisture, equipment maintenance, and wind. Insulation exposed to weather must be protected as above or painted with a water retardant and solar radiation-resistant coating. Protection Finsulation must be protected as above or painted with a water retardant and solar radiation-resistant coating. Protous Inner Core Fiex Duct. Porcus inner cores of flex ducts must have a non-porcus layer or air barrier between the inner core and outer varior barrier. § 150.0(m)8: § 150.0(m)9: § 150.0(m)10: solution and the second matching of the ccordance with Reference Residential Appendix RA3.1. Air Filtration. Space conditioning systems with ducts exceeding 10 feet and the supply side of ventilation systems must have MERV 13 or equivalent filters. Filters for space conditioning systems must have a two inch depth or can be one inch if sized per Equation 150.0-A Clean-filter pressure drop and labeling must meet the requirements in §150.0(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 § 150.0(m)12:

CERTIFICATE OF COMPLIANCE - RESIDEN Project Name: 3 Bedroom - Riverside Al Calculation Description: Title 24 Analysis WATER HEATING - HERS VERIFICATION 01 Pipe Insula Name DHW Sys 1 - 1/1 Not Regu SPACE CONDITIONING SYSTEMS 01 02 Name System Type Heat pump Mini Split1 heating cooling HVAC - HEAT PUMPS 01 02 Name System Type Heat Pump VCHP-ductles System 1 HVAC HEAT PUMPS - HERS VERIFICATION 01 02 Name Verified Airflow Heat Pump System Not Required 1-hers-htpump

CA Building Energy Efficiency Standards - 2022 Residential Compliance

5/6/22

ENTIAL PERF ADU /sis	ORMAN	ICE C	OMPLIAN	CE METH	Calcu			-		-12:01:25-07 ide.ribd22x	:00		CF1R-PRF-01-E (Page 11 of 13)	
							<u> </u>							
2		03	;		04			05			06		07	
ulation	Pa	rallel	Piping	Com	pact Distrib	ution	C	ompact Dist Type		Recircula	tion Control	Show	ver Drain Water Heat Recovery	
quired	N	ot Rec	quired		Not Required	d		None	1	Not R	equired		Not Required	
03			04		05 06 07 03						08		09	
Heating Un	it Name	Heat	ting Equipm Count	ent Coo	oling Unit Na	ame		g Equipmer Count	^{it} Fa	n Name	Distribution N	lame	Required Thermostat Type	
Heat Pump	System		1	Hea	at Pump Syst 1	tem		1		n/a	n/a		Setback	
03	04		05	06	07 <		08	09	10	11	12		13	
		$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$	Heatir	lg			\sim	Cooling						
Number of Units	Heat Efficie Typ	ncy	HSPF/HS PF2/COP	Cap 47	Cap 17	Eff	ooling iciency Type	SEER/SE ER2	EER/EER 2/CEER	Zonally Controlled	Compressor Type	H	IERS Verification	
1	HSP	۴	8.2	36000	33000	EE	RSEER	14	11.7	Not Zonal	Single Speed		eat Pump System 1-hers-htpump	
03			04		05			06		07	08		09	
Airflow T	arget	Veri	fied EER/EE	R2	Verified SEER/SEER2	!		l Refrigeraı Charge		erified PF/HSPF2	Verified Hea Cap 47	ting	Verified Heating Cap 17	
0		N	lot Required	1 1	Not Required	d		Yes		No	Yes		Yes	
							2							

Registration Number: 224-P010043434A-000-000-0000000-0000

Registration Date/Time: 2024-04-08 12:12:04 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2024-04-08 12:03:10

RES	IDENTIAL I	MEASURES S	UMMARY				RMS-1		
Project Name 3 Bedroom - Riverside ADU Project Address			Building Type				Date 4/8/2024		
			California Ene	rgy Climate Zone	Total Cond. Floor Area	*			
Rive	rside		CA Clima	ate Zone 10	1,200	n/a	1		
INSU	LATION			Area					
Cons	truction Ty	pe	Cavity	(ft ²) S	pecial Features		Status		
Wall	Wood Framed		R 19	1,036			New		
Door	Opaque Door		- no insulation	15			New		
Roof	Wood Framed Rafter		R 30	R 30 1,200			New		
Slab	Unheated Slab-c	n-Grade	- no insulation	1,200 Perim	= 145		New		
FENE	ESTRATION	Total Area:	201 Glazing	Percentage:	6.7% New/Altered Aver	age U-Factor:	0.30		
Orier	tation Area	<u>a(ft²) U-Fac S</u>	HGC Overl	nang Sidef	ins Exterior Sh	ades	Status		
Front (N)	61.3 0.300	0.23 none	none	N/A		New		
Right (W		32.0 0.300	0.23 none	none	N/A		New		
Rear (S))	92.0 0.300	0.23 none	none	N/A		New		
.eft (E)		15.5 0.300	0.23 none	none	N/A		New		
HVA	CSYSTEMS								
Qty.	Heating	Min. Eff	Cooling	Mir	.Eff The	rmostat	Status		
1	Electric Heat Pum	0 8.20 HSPF	Split Heat Pu	mp 14.0	SEER Setback	¢	New		
			4						
HVA	C DISTRIBUT	ION			1	Duct			
Loca		Heating	Cooling	Duct Loca		R-Value	Status		
Vini Soli		Ductless / with Fan	Ductless	n/a		n/a	New		
race apro									
WAT	ER HEATING								
	Туре		lons Min.	Eff Distri	bution		Status		
1	Heat Pump	50	3.20	Standar			New		
	-								
			*						
Enormi	Pro 9.2 by EnergySo	ft User Number: 5025	6		ID;		Page 15 of 3		

	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 eir-handling unit fan efficacy \leq 0.45 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 eir-handling unit fan efficacy \leq 0.62 watts per CFM. Field verification testing is required in accordance with Reference Residential Appendix RA3.3. *
Ventilation and Inc	
§ 150.0(o)1:	Requirements for Ventilation and Indoor Air Quality. All dwelling units must meet the requirements of ASHRAE Standard 62.2, Ventilation and Acceptable Indoor Air Quality in Residential Buildings subject to the amendments specified in § 150.0(o)1.*
§ 150.0(o)1B:	Central Fan Integrated (CFI) Ventilation Systems. Continuous operation of CFI air handlers is not allowed to provide the whole- 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)1Biii&v. 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:	Whoke-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(c)(1CHii.
§ 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)16vi.*
§ 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.
0.450.01-30	Field Verification and Diagnostic Testing. Whole-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating,
§ 150.0(o)2:	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
Deel and One Curi	rates and sound requirements per §150.0(o)1G terms and Equipment:
§ 110.4(a):	Certification by Manufacturers. Any pool or spaheating 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 of 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, dedicated suction and return lines, or built-in or built-up connections to allow for future solar heating.
§ 110.4(b)2:	Covers. Outdoor pools or spas that have a heat pump or gas heater must have a cover.
§ 110.4(b)3:	Directional Inlets and Time Switches for Pools. Pools must have directional inlets that adequately mix the pool water, and a time switch that will allow all pumps to be set or programmed to run only during off-peak electric demand periods.
§ 110.5:	Pilot Light. Natural gas pool and spa heaters must not have a continuously burning pilot light.
§ 150.0(p):	Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump sizing, flow rate, piping, filters, and valves.
Lighting:	
§ 110.9:	Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable requirements of § 110.9. *
§ 150.0(k)1A:	Luminaire Efficacy. All installed luminaires must meet the requirements in Table 150.0-A, except lighting integral to exhaust fans, kitchen range hoods, bath vanity mirrors, and garage door openers; navigation lighting less than 5 watts; and lighting internal to drawers, cabinets, and lin cbsets with an efficacy of at least 45 lumens per watt.
§ 150.0(k)1B:	Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8.*
§ 150.0(k)1C:	Recessed Downlight Luminaires in Ceilings. Luminaires recessed into ceilings must not contain screw based sockets, must be airtigh and must be sealed with a gasket or cault. 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 ExhaustFans. Lighting integral to exhaust fans (except when installed by the manufacturer in kitchen exhaust hoods) must meet the applicable requirements of § 150.0(k).

D O \square \supset S Т \cap \sim \square Ω Ζ \sim C \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 WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE

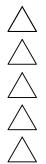
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IMPROVEMENT UNDER THESE PLANS AT ALL.

project

City of Riverside Pre-Approved ADU Program

revisions



description

Energy

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

Calculations

	2022 Single-Family Residential Mandatory Requirements Summary
§ 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 requir 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, cabine 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 instal 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 specifi in § 150.0(k)2A
§ 150.0(k)2E:	Automatic Shutoff Controls. In bathrooms, garages, laundry nooms, 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., fiving 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 is 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, 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 meet
§ 150.0(k)4:	applicable requirements may be used to meet these requirements. Internality illuminated address signs. Internally illuminated address signs must either comply with § 140.8 or consume no more than 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 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)-(e).
§110.10(b)1.A:	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 6 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 16 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 ro 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 if 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 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-fam 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(b)(-(c) must be compared by the construction documents or a comparable document indicating the information from §110(b)(-(c) must be compared by the construction documents or a comparable document indicating the information from §110(b)(-(c) must be compared by the construction documents or a comparable document indicating the information from §110(b)(-(c) must be compared by the construction documents or a comparable document indicating the information from §110(b)(-(c) must be compared by the construction documents or a comparable document indicating the information from §110(b)(-(c) must be compared by the construction document indicating the information from §110(b)(-(c) must be compared by the construction document indicating the information from §110(b)(-(c) must be compared by the construction document indicating the information from §110(b)(-(c) must be compared by the construction document indicating the information from §110(b)(-(c) must be compared by the construction document (c) be compared by the construction document (c) be constructing (c) be constr
§ 110.10(d);	provided to the occupant
<u>§ 110.10(e)1:</u> § 110.10(e)2:	Main Electrical Service Panel. The main electrical service panel must have a minimum bushar rating of 200 amps. Main Electrical Service Panel. The main electrical service panel must have a reserved space to allow for the installation of a double p 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 skeping room receptacle outlet; main paneboard 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 paneboard, with raceways installed between the paneboard 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 wining 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 permanenthy 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 wining 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 wining 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.

5/6/22

project no. Riverside ADU drawn by DESIGN PATH STUDIO ^{sheet no.} **T24.3**

October 2023

description Energy Calculations

revisions \triangle \triangle \triangle \bigtriangleup \wedge

date

City of Riverside Pre-Approved ADU Program

project

			C CI IM	MADY			
Project Name	ATING	AND COOLING LOAD	5 5011	WART	_	Date	
3 Bedroom - Riverside Al	DU						8/2024
System Name						Floor	
Mini Split ENGINEERING CHECKS		OVOTENIOAD			_		1,200
	4	SYSTEM LOAD	0.011				
Number of Systems				COOLING P			IG. PEAK
Heating System	36,000	Total Down Londo	CFM 525	Sensible 10,988	Latent 370	CFM 364	Sensible 14,106
Output per System	36,000	Total Room Eouda	010	0	510	001	14,100
Total Output (Btuh)	30.0	Return Vented Lighting		0			0
Output (Btuh/sqft)	00.0	Return Air Ducts Return Fan		0			0
Cooling System Output per System	36,000	Ventilation	0	0	0	0	0
	36.000	Supply Fan	~	0			0
Total Output (Btuh)	3.0			0			0
Total Output (Tons)	30.0	Supply Air Ducts		•			
Total Output (Btuh/sqft)	400.0	TOTAL SYSTEM LOAD		10.988	370		14,106
Total Output (sqft/Ton)	400.0	TOTAL SYSTEM LOAD		10,500	570		14,100
Air System	300						
CFM per System	300	HVAC EQUIPMENT SELECTION Minisplit		32,501	0		00.400
Airflow (cfm)	0.25	Millispit.		32,301	0	F	23,102
Airflow (cfm/sqft)	100.0					-	
Airflow (cfm/Ton)	0.0%			32,501	0	-	23,102
Outside Air (%)	0.0%	Total Adjusted System Output (Adjusted for Peak Design conditions)		32,501	U	L	23,102
Outside Air (cfm/sqft)					Aug 3 PM		Jan 1 AM
Note: values above given at AR		TIME OF SYSTEM PEAK (Airstream Temperatures at Time of	flicting	Deels	Aug 3 PM		Jan 1 AM
27 °F 68 °F Outside Air 0 cfm Supply Far 300 cfm	-				RC	MOK	05 °F
COOLING SYSTEM PSYCHR	OMETRICS	(Airstream Temperatures at Time	of Cooling	Peak)			
100/69 9 75/6	2ºF 75	5/62 9 55/54 9					
Outside Air 0 cfm 75 / 62 @	Supply Fan 300 cfm	Cooling Coil	-	47.9%	% R	MO	/ 54 °F / 62 °F

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