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 SOILS CONDITIONS AND LEVEL TOPOGRAPHY. IF SITE SPECIFIC CONDITIONS REQUIRE A FOUNDATION DESIGN BEYOND WHAT IS PROVIDED IN THESE DOCUMENTS THEN 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.		2 Bedroom - Plan A - 800 s.f. 1 Bedroom Option - Plan B - 800 s.f. <b>ty of Riverside, C/</b>		<ul> <li>1. PROPERLY COMPLETED AND ELECTRONICALLY SIGNED CERTIFICATE OF INSTALLATION (CF2R FORMS) SHALL BE POSTED WEATHER PROTECTED WITHIN BUILDING FOR REVIEW BY INSPECTORS – EES 10–103(a)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 CF1R FORM. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE CF2R FORMS ARE REVIEWED AND APPROVED.</li> <li>2. PROPERLY COMPLETED &amp; 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 CERTIFICATE NA REGISTERED CERTIFICATE IN A REGISTERED COMPLETED AT THE BOTTOM OF EACH PAGE. THE FIRST 20 DIGITS OF THE NUMBER RULL MATCH THE REGISTRATION NUMBER ASSOCIATED WITH THE CF2R. CERTIFICATE OF OCCUPANCY WILL NOT BE</li> </ul>	TH STUDI neering + planni studio.com
SIGNATURE: DATE:		cy of i diversion, or		ASSOCIATED WITH THE CF2R. CERTIFICATE OF OCCUPANCE WILL NOT BE ISSUED UNTIL THE CF3R IS REVIEWED AND APPROVED. EES 10–103(a)3, 10–103(b)1.A. 3. CF1R REGISTRATION FORMS ARE LOCATED ON THE PLANS. IF REGISTRATION IS REQUIRED, A WATER-MARK AND REGISTRATION NUMBER WILL BE VISIBLE.	P A P A TH
T1.1       TITLE SHEET         T1.2       EXTERIOR STYLE OPTIONS         AS.1       SITE INFORMATION		ITY COMPANIES REGARDING GAS AND SEE EXAMPLE SITE PLAN, SHEET AS.2		<ul> <li>4. HERS TESTS REQUIRED FOR THIS PROJECT ARE: VARIABLE CAPACITY HEAT PUMP – Ductless units entirely located in conditioned space, Airflow in habitable rooms, wall mounted thermostat in zones greater than 150 s.f., verify heat pump rated capacity, and Refrigerant charge. KITCHEN RANGE HOOD CFM VERIFICATION (160 CFM) OR PER CEC TABLE 150.0-G IAQ MECHANICAL VENTILATION – PER ASHARE STANDARD 62.2 TABLE 7.1 – SEE MECHANICAL SHEET FOR MORE INFORMATION.</li> <li>5. FOR IAQ FAN – CFM REQUIRED FOR A CONTINUOUSLY OPERATING EXHAUST FAN. PROVIDE A TIMER SWITCH WITH A MANUAL OFF AND A SOUND</li> </ul>	e cture + e DESIGNP
AS.2SITE PLAN (PROVIDED BY OWNER)G0.1RESIDENTIAL MANDATORY FEATURES 2022 CALGREENG0.2GENERAL NOTESG0.3GENERAL NOTESA0.1DOOR AND WINDOW SCHEDULESA1.1FLOOR PLAN/ ROOF PLAN CRAFTSMANA1.2FLOOR PLAN/ ROOF PLAN RANCHA1.3FLOOR PLAN/ ROOF PLAN SPANISHA2.1MECHANICAL/PLUMBING/ELECTRICAL PLANSA3.1EXTERIOR ELEVATIONS CRAFTSMANA3.2EXTERIOR ELEVATIONS SPANISHA4.1BUILDING SECTIONS CRAFTSMANA4.2BUILDING SECTIONS RANCHA4.3BUILDING SECTIONS RANCHA4.4BUILDING SECTIONS RANCHA4.5BUILDING SECTIONS SPANISH	ZONING INFORMATION BELOW         CONTACT CITY OF RIVERSIDE FOR THE INFORMATION BELOW         EMAIL: CODINFO@RIVERSIDECA.GOV PHONE: 951-826-5800         ZONING :         OVERLAY :         LOT SIZE :         EXISTING HABITABLE SQ. FT. :         LOT SLOPE :	DIRECTORY SITE PLAN & TITLE SHEET INFORMATION PREPARED BY: COMPANY CONTACT PERSON ADDRESS PHONE EMAIL PROPERTY OWNER:	VICINITY MAP	<ul> <li>RATING OF 1 SONE (3 SONES MAX FOR AN INTERMITTENT FAN). THIS FAN TO PROVIDE A WHOLE BUILDING INDOOR AIR QUALITY VENTILATION WITH OUTDOOR AIR IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADOPTED BY THE CALIFORNIA ENERGY COMMISSION. SEE SITE SPECIFIC REPORT FOR CFM REQUIRED.SEE SITE SPECIFIC REPORT FOR CFM REQUIRED.</li> <li>6. SOLAR IS REQUIRED: APPROXIMATE BASED ON INITIAL REPORTS POSSIBLE PV EXCEPTION 2: NO PV REQUIRED WHEN MINIMUM PV SIZE &lt; 1.8 KWDC (SECTION 150.1(C)14) PV EXEMPTION BASED ON UPDATED ENERGY CALCULATIONS WITH SITE SPECIFIC INFORMATION.</li> <li>7. SPECIAL FEATURES: VCHP required items listed above, exposed slab flooring, and NEEA rated heat pump water heater; specific brand/model or eq.</li> <li>8. NEW 2022 ELECTRIC READY REQUIREMENTS: PROVIDE SPACE FOR HEAT PUMP WATER HEATER. WITH ELECTRICAL PROVISIONS PER CEC 150.0(N)1.A – SEE ELECTRICAL NOTE #16 ON SHEET GO.2. A 240v OUTLET IS REQUIRED FOR WATER HEATER, DRYER, AUTO CHARGING, AND STOVE INCLUDING BREAKER SPACE. ENERGY STORAGE SYSTEM FOR A FUTURE BATTERY SYSTEM (BATTERY READY) IS REQUIRED IF FULL SYSTEM IS NOT INSTALLED.</li> </ul>	BY USING THESE PERMIT READY CONSTRU DOCUMENTS, THE RECIPIENT ACKNOWLEDG ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT F IT WAS PREPARED FOR THE PERMIT READ ACCESSORY DWELLING UNIT (ADU) PROGR THE CITY OF RIVERSIDE ONLY. THIS IS A SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY RIVERSIDE BUILDING DEPARTMENT. BUILDIN DO CHANGE OVER TIME AND RECIPIENT
A4.6BUILDING SECTIONS SPANISHA5.1ARCHITECTURAL WALL FINISH DETAILSA5.2ARCHITECTURAL ROOF FINISH DETAILSA5.3ARCHITECTURAL DETAILSS.1STRUCTURAL NOTES & SPECIFICATIONSS.2FOUNDATION AND FRAMING PLANS CRAFTSMANS.3FOUNDATION AND FRAMING PLANS SPANISHS.4FOUNDATION AND FRAMING PLANS SPANISHS.5STRUCTURAL DETAILSS.6STRUCTURAL DETAILSS.6STRUCTURAL DETAILSS.6STRUCTURAL DETAILST24.1ENERGY CALC.T24.3ENERGY CALC.T24.3ENERGY CALC.T24.3ENERGY CALC.T24.3ENERGY CALC.	ADU SETBACKS FROM PROPERTY LINE ALLOWED : FRONT- REAR- SIDE- SIDE- STREET SIDE- ADU SETBACKS FROM MAIN RESIDENCE ALLOWED : PROPOSED :	NAME ADDRESS PHONE EMAIL BUILDING DEPARTMENT: CITY OF RIVERSIDE BUILDING & SAFETY DEPARTMENT 3900 MAIN STREET, RIVERSIDE, CA 92522 P. (951)826–5800		DESCRIPTION OF THE SPECIFIC CONDITIONS         DESCRIPTION OF THE SPECIFIC CONDITIONS         NOTE: EXISTING GAS SERVICE AND METER SIZE TO BE PROVIDED BY HOMEOWNER AND UPDATED ISOMETRIC LAYOUT PROVIDED BY DESIGNER OF CHOICE. CFH & BTUS PROVIDED AS SUGGESTED LOADS. OWNER/DESIGNER IS TO PROVIDE ACCURATE INFORMATION.         SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE CITY OF RIVERSIDE BUILDING INSPECTOR         PIPE SIZE SCHEDULE 40 METALLIC PIPE 125' LENGTH PER TABLE 1216.2(1) CALIFORNIA PLUMBING CODE SIZE ½" ¾" 1" 1¼" 1½" 2"	ENSURE FULL COMPLIANCE UNDER ALL C THEN IN EFFECT AT THE TIME OF THE SI PERMIT. THIS DOES NOT ELIMINATE OR R RECIPIENT'S RESPONSIBILITY TO VERIFY A ALL INFORMATION RELEVANT TO THE REC WORK AND RESPONSIBILITY ON THIS PRO DESIGN PATH STUDIO SHALL NOT BE RES FOR TRANSLATION ERRORS. DO NOT USE CONSTRUCTION DOCUMENTS IF THE PERM EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKI THAT THE USE OF THIS INFORMATION WIL THEIR SOLE RISK AND WITHOUT ANY LIAE LEGAL EXPOSURE TO DESIGN PATH STUD WARRANTIES OF ANY NATURE, WHETHER OR IMPLIED, SHALL ATTACH TO THESE DO AND THE INFORMATION CONTAINED THERE USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY O WILL BE AT THE RECIPIENT'S RISK AND F LEGAL RESPONSIBILITY. FURTHERMORE, TI DECIDIENT WING TO THE ELLINE OF STATUMENT
GOVERNING CODES: APPROVAL OF THIS PROJECT SHALL COMPLY WITH THE 2022 CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL CODE (CRC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA ELECTRICAL CODE (CEC), CALIFORNIA ENERGY CODE (CEC), CALIFORNIA GREEN BUILDING CODE (CGBC) AND CITY OF RIVERSIDE MUNICIPAL CODE.	OFF STREET PARKING : REQUIRED: PROVIDED:	NEW CONSTRUCTION OF A ONE STORY, DETACHED 800 S.F. ACCESSORY DWELLING UNIT         2 BEDROOM PLAN A         1 BEDROOM OPTION PLAN B         PORCH AREAS:         CRAFTSMAN: 212 S.F.         RANCH: 158 S.F.    SPANISH: 46 S.F.		CFH 44 92 173 355 532 1,020 (E)GAS METER -" PIPE CFH (-' LENGTH) EMERGENCY GAS SHUT OFF VALVE -" PIPE (N)DRYER GAS CALCULATIONS APPLIANCE QTY CFH TOTAL CFH	RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY, DESIGN PATH STUDIO AND ITS ARCHITECT HARMLESS FROM ANY AND ALL CLAIMS, S LIABILITY, DEMANDS, JUDGMENTS, OR COS ARISING OUT OF OR RESULTING THERE FF USE OF THESE CONSTRUCTION DOCUMEN OR ON ACCOUNT OF ANY INJURY, DEATH OR LOSS TO PERSONS OR PROPERTY, DIF CONSEQUENTIAL DAMAGES IN ANY AMOUN INDEMNITY DOES NOT APPLY TO THE SOL NEGLIGENCE OR WILLFUL MISCONDUCT OF PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE
SITE ADDRESS: GOVERNING AGENCY: CITY OF RIVERSIDE, CA. OCCUPANCY GROUP: R3 STORIES: 1 TYPE OF CONSTRUCTION: VB	APN	LEGAL DESCRIPTION		(NEW) DRYER       1       35       35         (NEW) OVEN & RANGE       1       65       65	ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE ABOVE CONDITIONS, DO NOT PROCEED CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT
CITY STAFF	CHECKLIST		APPLICA	NTCHECKLIST	
site characteristics	electrical service information:	deferred submittal under a	exterior style:	roof material:	
X SELECTION(S) THE BUILDING IS IN THE FLOOD HAZARD AREA.	X SELECTION: RELOCATE OR UPGRADE SERVICE A SEPARATE PERMIT WILL BE REQUIRED TO RELOCATE OR UPGRADE THE SERVICE UNDER THE FOLLOWING	separate permit (to be obtained by applicant):	X SELECTION (SEE SHEET T1.2 FOR EXTERIOR RENDERING)	X SELECTION ROOFING MATERIAL MUST MEET CLASS A	project
NOTE: CITY STANDARD ADU PLANS ARE NOT APPLICABLE TO BUILDINGS IN THE FLOOD HAZARD AREA. A LICENSED PROFESSIONAL SHOULD BE CONSULTED FOR A SITE-SPECIFIC DESIGN.	CIRCUMSTANCES: 1. THE EXISTING ELECTRICAL SERVICE IS LESS THAN 200A. 2. AN ELECTRICAL SERVICE GREATER THAN 200A IS REQUESTED. 3. EXISTING OVERHEAD SERVICE ENTRANCE WIRES COINCIDE WITH LOCATION OF THE PROPOSED ADU. 4. A SEPARATE METER IS DESIRED FOR THE ADU.	X TO BE COMPLETED FIRE SPRINKLERS (WHEN REQUIRED)	SPANISH	ROOF COLOR OF PRINCIPAL DWELLING UNIT (ROOF COLOR OF ADU IS TO MATCH PRINCIPAL DWELLING UNIT)	City of Riverside Pre-Approved
THE BUILDING IS LOCATED IN A VERY HIGH FIRE SEVERITY ZONE (VHFSZ) THE BUILDING IS IN AN AREA IMPACTED BY A CNEL NOISE LEVEL OF 60dBA OR ABOVE.	EXISTING SERVICE TO REMAIN         SIZE OF EXISTING SERVICE    SIZE OF NEW SERVICE		<b>exterior wall material:</b> <b>x</b> SELECTION(S)	TRIM COLOR OF PRINCIPAL DWELLING	ADU Program
NOTE: APPLICANT MUST COMPETE THE PRESCRIPTIVE NOISE INSULATION REQUIREMENTS         CHECKLIST ON AS.1         THE BUILDING IS IN A CULTURAL RESOURCES OVERLAY ZONE. NOTE: CITY STANDARD ADU         PLANS ARE NOT APPLICABLE. A LICENSED PROFESSIONAL SHOULD BE CONSULTED FOR A	sewer waste water information:	PHOTOVOLTAIC SYSTEM - THE PV SYSTEM MUST BE INSTALLED, OPERATIONAL AND FINAL PRIOR TO FINAL BUILDING INSPECTION AND APPROVAL FOR THE ADU.	EXTERIOR WALL COLOR OF PRINCIPAL DWELLING UNIT	MINIMUM 2-1/2:12 ROOF SLOPE. COLOR OF CONCRETE TILE ROOF ARCHITECTURAL GRADE SHINGLE - CERTAINTEED - ICC-ES ESR-3537 MINIMUM 2:12 ROOF SLOPE.	revisions $\triangle$
SITE-SPECIFIC DESIGN PARK OR TRAIL IMPACT 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 ADU TO HAVE NEW CONNECTION TO CITY SEWER MAIN	application documents (to be provided by the applicant):	STONE VENEER / COLOR         FIBER CEMENT - SIDING / COLOR	COLOR OF ARCHITECTURAL GRADE SHINGLES OTHER ROOF MATERIAL / COLOR / ICC / UL:	
fire rated details:	ADU TO CONNECT TO EXISTING RESIDENCE SEWER LATERAL *IF EXISTING HOUSE HAS 35 OR MORE EXISTING FIXTURE UNITS PER TABLE 702.1, OR FIVE OR MORE TOILETS WITH AN EXISTING 3 INCH SEWER DRAIN, A SEPARATE CONNECTION TO THE CITY SEWER MAIN IS REQUIRED FOR THE NEW ADU. REFER TO CURRENT CPC SECTION	X COMPLETED TITLE SHEET (T1.1) INFORMATION FILLED OUT	WOOD SIDING / COLOR         OTHER	PROPERTIES LOCATED IN VHFHSZ OR WUI ZONES ARE TO USE WUI COMPLIANT SPECIFICATION. APPLICANT IS TO PROVIDE WUI COMPLIANT INFORMATION IF DIFFERENT THAN LISTING ON SHEET G0.3	$\wedge$
X SELECTION(S) ROOF EAVE DETAIL 1,2,3,5,6,7/A5.2	703.2 FOR PIPE SIZING REQUIREMENTS ADU TO CONNECT TO AN EXISTING OR NEW SEPTIC APPROVAL FROM THE COUNTY OF RIVERSIDE ENVIRONMENTAL HEALTH WILL BE REQUIRED FOR THE INSTALLATION OR MODIFICATION OF THE SEPTIC SYSTEM. GO TO HTTPS://RIVCOEH.ORG/SEPTIC-SYSTEMS FOR MORE INFORMATION. APPLICANT MUST	SITE PLAN SHEET (AS.2) PROVIDED IN PLAN SET FOR CITY REVIEW UPDATED TITLE 24 ENERGY CALCULATION REPORT WITH CORRECT NAME, ADDRESS, AND EXACT ORIENTATION FOR SITE SPECIFIC CONDITIONS. OWNER MAY CONTACT	PROPERTIES LOCATED IN VHFHSZ OR WUI ZONES ARE TO USE WUI COMPLIANT SPECIFICATION. APPLICANT IS TO PROVIDE WUI COMPLIANT INFORMATION IF DIFFERENT THAN LISTING ON SHEET G0.3	window and trim color:	description
WALL FINISH DETAIL 9B,12B,15B/ A5.1 FIRE RATED DETAILS ABOVE ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE (VHFSZ) OR WHEN WALLS AND ROOF EAVES ARE LESS THAN 5 FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3 FT FROM PROPERTY LINE IN SPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ABOVE ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 FT FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILDING OR LESS THAN 6 FT FROM THE MAIN DWELLING UNIT IN A SPRINKLERED BUILDING. SEE SITE INFORMATION SHEET AS.1	SUBMIT THE COUNTY APPROVED CERTIFICATION DOCUMENTS FIRST, PRIOR TO THE APPROVAL OF THE STANDARD ADU PLANS. <b>Water service information:</b> X SELECTION	AND EXACT ORIENTATION FOR SITE SPECIFIC CONDITIONS. OWNER MAY CONTACT THE ENTITY WHO PREPARED THE ORIGINAL REPORT (SHOWN ON T24.1) TO OBTAIN UPDATES TO THE REPORT. CONSTRUCTION AND DEMOLITION FORM HOLD HARMLESS AGREEMENT GRADING EXCEPTION JUSTIFICATION FORM	x       SELECTION         ROOF FRAMING PER PLAN         ROOF TRUSSES - IN LIEU OF ROOF DETAILS PROVIDED ON THESE PLANS. HOMEOWNER IS	X       SELECTION         WINDOW COLOR OF PRINCIPAL DWELLING UNIT	Title Sheet 2 Bedroom 800 S.F.
FOR FURTHER INFORMATION ON BUILDING SEPARATION/PROJECTIONS AND FIRE RATING REQUIREMENTS.	ADU SERVED FROM EXISTING METER METER UPGRADE REQUIRED	FOR PROJECTS ON SEPTIC: APPROVED CERTIFICATION DOCUMENTS FROM THE COUNTY OF RIVERSIDE HEALTH DEPARTMENT	ROOF TRUSSES - IN LIEU OF ROOF DETAILS PROVIDED ON THESE PLANS. HOMEOWNER IS TO CONTRACT WITH AN INDEPENDENT TRUSS COMPANY AND SUBMIT TRUSS CALCULATIONS TO THE CITY OF RIVERSIDE FOR APPROVAL. INDICATE ON DEFERRED SUBMITTAL CHECKLIST ABOVE IF TRUSS PACKAGE WILL BE PROVIDED AS A DEFERRED SUBMITTAL	DARK BRONZE         OTHER WINDOW COLOR	
	SEPARATE METER REQUESTED FOR ADU         SIZE OF EXISTING SERVICE         SIZE OF EXISTING SERVICE         SERVED BY WESTERN WATER	WAIVER OF GEOTECHNICAL INVESTIGATION FORM	fire sprinklers:	gas service: X SELECTION UPGRADED SERVICE	date October 2023 project no. Riverside ADU drawn by DESIGN PATH STU
			ADU TO BE EQUIPPED WITH AUTOMATIC FIRE SPRINKLERS	EXISTING SERVICE TO REMAIN  NEW SERVICE SIZE OF EXISTING SERVICE SIZE OF NEW SERVICE	sheet no. <b>T</b>

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<text></text>	AS THE IS JECT FOR WHICH T READY PROGRAM FOR S AND CITY OF BUILDING CODES PIENT SHALL ALL CODES THE SUBJECT OR REDUCE THE RECIPIENT'S S PROJECT. SE RESPONSIBLE T USE THESE PERMIT HAS O ACKNOWLEDGES ON WILL BE AT Y LIABILITY OR STUDIO. NO THERE EXPRESS ESE DOCUMENTS THEREON. ANY HESE BY OTHERS AND FULL WITH THE CT OF DESIGN THESE PLANS CT OF DESIGN THESE PLANS CT OF DESIGN THESE PLANS CT OF DESIGN THESE PLANS CT OF JESIGN THESE PLANS CT OF
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### 3900 Main Street, 3<sup>rd</sup> 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	INCORPORATED IN DESIGN?* *If No, provide Acoustical analysis report	
EXTERIOR WALLS		
Minimum 2x4" studs	X Yes	
Exterior finish: 7/8" stucco, brick veneer, masonry. Wood/metal siding must be backed 1/2" solid sheathing.	X Yes	
Masonry walls (<40psf) must be supported by stud-wall w/ 5/8" gyp-board/plaster. N/A	- 🗌 Yes	
Wall Insulation: Minimum R-13 glass fiber/mineral wool installed throughout stud bay	X Yes	
Exterior solid sheathing must be covered with overlapping asphalt felt.	X Yes	
Interior wall finish: 5/8" min. gyp-board/plaster.	X Yes	
EXTERIOR WINDOWS		(h)
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
<ul> <li>Fixed Windows must be:</li> <li>STC 40 dB, or</li> <li>5/8-inch laminated glass STC 40 dB and set in non-hardening glazing material, or</li> <li>Glass block at least 3-1/2 inches thick</li> </ul>	X Yes	
Max glazing in sleeping rooms: Total area of glazing shall not exceed 20% of floor or wall area	X Yes	
EXTERIOR DOORS		
Exterior hinged doors facing the source of the noise must be min. STC 40 dB.	X Yes	
Sliding glass doors not facing source of noise must be min STC 35 dB. Direct exposure not permitted.	X Yes	□ No
Access doors from attached garage to residence interior: STC 30 dB min. N/A	- 🗌 Yes	

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
<ul> <li>Attic ventilation:</li> <li>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</li> <li>2. Noise control louver vents, or</li> <li>3. Eave vents located under the eave overhang</li> </ul>
Ceilings: 5/8" gypsum wallboard/plaster and mounted on resilient channel.
<ul> <li>Skylights: Completely enclosed light well from the roof opening to the ceiling opening laminated glass secondary openable glazing panel:</li> <li>1. Mounted at the ceiling line, and</li> <li>2. 4" min. between panels. Size not to exceed 20% of roof area of room.</li> </ul>
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, 3<sup>rd</sup> 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
<ol> <li>Gable vents or metal du of sight from</li> </ol>	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					<ul> <li>Foundation vents complying with code are allowed in any condition. They don't count</li> </ul>
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.	
	<b>DIVISION 2 - SITEWORK</b>						
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	FIRE	
Walls	Fire- resistance rated	1 hour—tested in accordance with ASTM E119, UL 263 or Section 703.3 of the <i>California Building Code</i> with exposure from both sides	0 feet	
	Not fire- resistance rated	0 hours	SEPARATION DISTANCE         0 feet         0 feet         ≥ 5 feet         <2 feet to < 5 feet         ≥ 2 feet to < 5 feet         ≥ 5 feet         ≤ 5 feet         ≤ 3 feet         3 feet         5 feet         ≤ 1 feet	
	Not allowed	NA	< 2 feet	
Projections	Fire- resistance rated	1 hour on the underside, or heavy timber, or fire- retardant-treated wood <sup>a, b</sup>		
	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** 

1200.00	RIOR LEMENT	MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire- resistance rated	1 hour—tested in accordance with ASTM E119, UL 263 or Section 703.2.2 of the <i>California Building Code</i> with exposure from the outside	0 feet
	Not fire- resistance rated	0 hours	3 feetª
	Not allowed	NA	< 2 feet
Projections	resistance timber, or fire-	1 hour on the underside, or heavy timber, or fire- retardant-treated wood <sup>b, c</sup>	2 feetª
	Not fire- resistance rated	0 hours	3 feet
Openings in	Not allowed	NA	< 3 feet
walls	Unlimited	0 hours	3 feetª
Barata	×0	Comply with Section R302.4	< 3 feet
Penetrations	All	None required	3 feet <sup>a</sup>

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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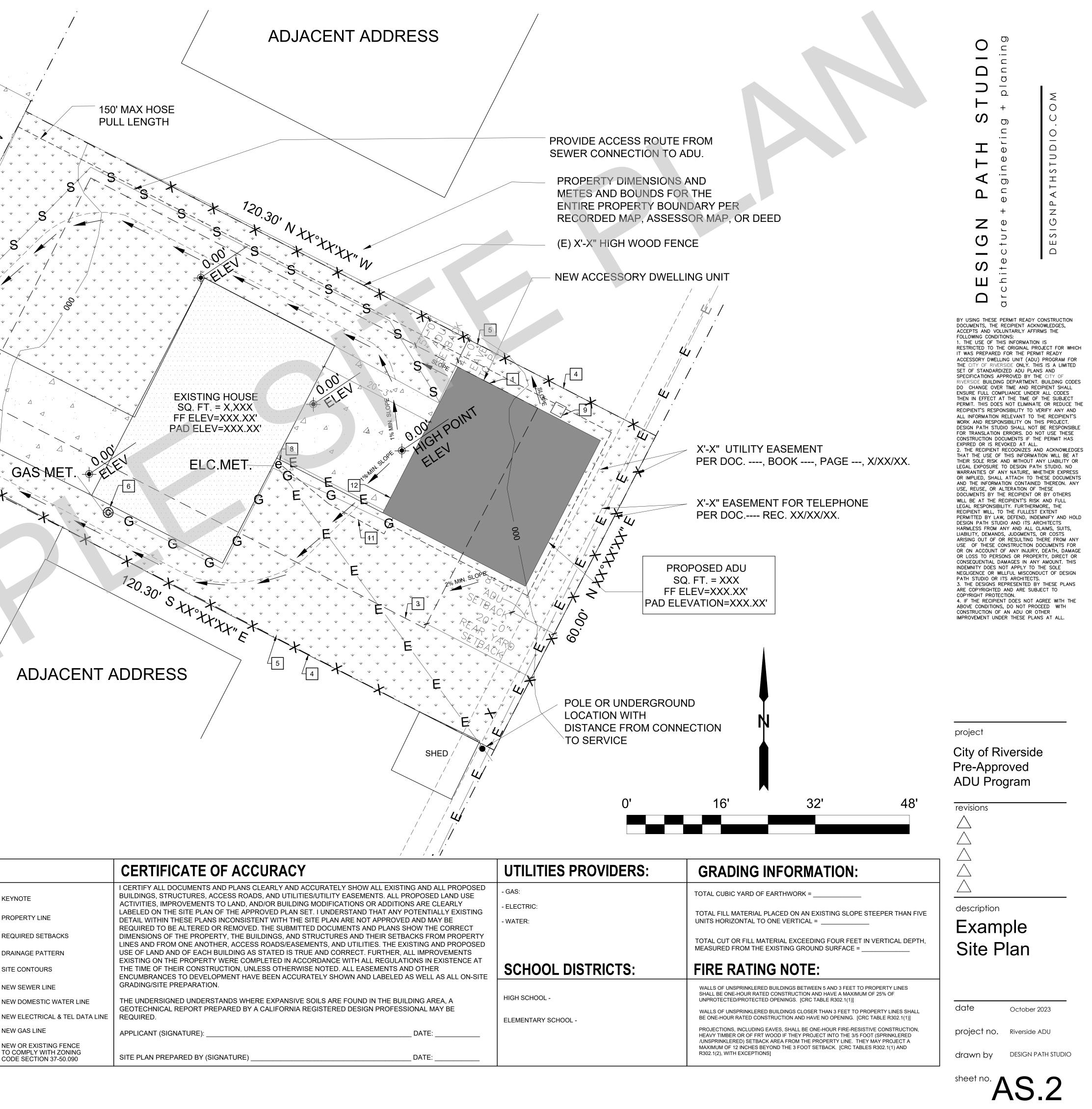
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### **GENERAL NOTES KEYNOTES** LEGEND 1 LINE OF EXTERIOR WALL, TYP. SPOT DIMENSIONS INDICATE ESTIMATED 1 GRADE HEIGHTS. VERIFY IN FIELD PRIOR TO KEYN 2 LINE OF ROOF OVERHANG / CONSTRUCTION. DECK / AWNING / STRUCTURE ABOVE SPOT GRADE ELEVATION SEE BUILDING 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.
		<b>301.1 SCOPE.</b> 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. <b>301.1.1 Additions and alterations. [HCD]</b> 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		<ul> <li>per minute at 60 psi. Kitchen faucets may ter</li> </ul>	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. <b>Note:</b> 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	
		<b>Note:</b> 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)		<b>4.304 OUTDOOR WATER USE</b> <b>4.304.1 OUTDOOR POTABLE WATER USE IN LANDSO</b> a local water efficient landscape ordinance or the current ( Efficient Landscape Ordinance (MWELO), whichever is mo NOTES:	
		<b>FRENCH DRAIN.</b> 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
		<b>WATTLES.</b> 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
		<ul> <li>4.106 SITE DEVELOPMENT</li> <li>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.</li> </ul>		EFFICIENCY 4.406 ENHANCED DURABILITY AND RE	
		<b>4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION.</b> 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.		<ul> <li>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.</li> <li>4.408 CONSTRUCTION WASTE REDUCT</li> </ul>	a against the passage of rodents by closing such a similar method acceptable to the enforcing
	1	<ol> <li>Retention basins of sufficient size shall be utilized to retain storm water on the site.</li> <li>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.</li> <li>Compliance with a lawfully enacted storm water management ordinance.</li> </ol>		<ul> <li>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.</li> <li>Exceptions:</li> </ul>	olition waste in accordance with either Section
	]	<b>Note:</b> 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)		<ol> <li>Excavated soil and land-clearing debris.</li> <li>Alternate waste reduction methods developed b recycle facilities capable of compliance with this close to the jobsite.</li> <li>The enforcing agency may make exceptions to the</li> </ol>	item do not exist or are not located reasonably
		<b>4.106.3 GRADING AND PAVING.</b> 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
		<ol> <li>Swales</li> <li>Water collection and disposal systems</li> <li>French drains</li> <li>Water retention gardens</li> <li>Other water measures which keep surface water away from buildings and aid in groundwater</li> </ol>		<ol> <li>necessary and shall be available during construction</li> <li>1. Identify the construction and demolition waste mareuse on the project or salvage for future use or</li> <li>2. Specify if construction and demolition waste mareuse</li> </ol>	naterials to be diverted from disposal by recycling, sale.
		recharge. Exception: Additions and alterations not altering the drainage path.		<ul><li>bulk mixed (single stream).</li><li>3. Identify diversion facilities where the constructio taken.</li></ul>	
	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		<ol> <li>Identify construction methods employed to reduce generated.</li> <li>Specify that the amount of construction and dent by weight or volume, but not by both.</li> </ol>	ce the amount of construction and demolition waste nolition waste materials diverted shall be calculated
		multifamily buildings NOT USED DIVISION 4.2 ENERGY EFFICIENCY		<b>4.408.3 WASTE MANAGEMENT COMPANY.</b> 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
		<ul> <li>4.201 GENERAL</li> <li>4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy</li> </ul>		<b>Note:</b> 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		<b>4.408.4 WASTE STREAM REDUCTION ALTERNATIVE</b> 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
		<ul> <li>4.303 INDOOR WATER USE</li> <li>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.</li> </ul>		<b>4.408.4.1 WASTE STREAM REDUCTION ALTER</b> 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
		<b>Note:</b> 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.		<ul> <li>4.408.5 DOCUMENTATION. Documentation shall be proceeded on the compliance with Section 4.408.2, items 1 through 5, Notes:</li> </ul>	
	1	<b>4.303.1.1 Water Closets.</b> 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.		<ol> <li>Sample forms found in "A Guide to the Ca (Residential)" located at www.hcd.ca.gov. documenting compliance with this section</li> <li>Mixed construction and demolition debris Department of Resources Recycling and</li> </ol>	/CALGreen.html may be used to assist in  (C & D) processors can be located at the California
		<ul> <li>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.</li> <li>4.303.1.2 Urinals NOT USED</li> <li>4.303.1.3 Showerheads</li> </ul>		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:	<b>PERATION</b> It the time of final inspection, a manual, compact
		<ul> <li>4.303.1.3 Showerheads.</li> <li>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</li> </ul>		<ol> <li>Directions to the owner or occupant that the mainlife cycle of the structure.</li> <li>Operation and maintenance instructions for the</li> </ol>	
		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. <b>Note</b> : A hand-held shower shall be considered a showerhead.		<ul> <li>b. Roof and yard drainage, including gutters</li> <li>c. Space conditioning systems, including co</li> <li>d. Landscape irrigation systems.</li> <li>e. Water reuse systems.</li> <li>3. Information from local utility, water and waste re</li> </ul>	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 O<sup>3</sup>/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)
<b>4.504.5 COMPOSITE WOOD PRODUCTS.</b> 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
<b>4.504.5.1 Documentation.</b> Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
<ol> <li>Product certifications and specifications.</li> <li>Chain of custody certifications.</li> <li>Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).</li> <li>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.</li> <li>Other methods acceptable to the enforcing agency.</li> </ol>
<b>4.505 INTERIOR MOISTURE CONTROL</b> <b>4.505.1 General.</b> Buildings shall meet or exceed the provisions of the <i>California Building Standards Code</i> .
<b>4.505.2 CONCRETE SLAB FOUNDATIONS.</b> 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.
<b>4.505.2.1 Capillary break.</b> A capillary break shall be installed in compliance with at least one of the following:
<ol> <li>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.</li> <li>Other equivalent methods approved by the enforcing agency.</li> <li>A slab design specified by a licensed design professional.</li> </ol>
<b>4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS.</b> 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:
<ol> <li>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.</li> <li>Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end</li> </ol>
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.
<b>4.506 INDOOR AIR QUALITY AND EXHAUST</b> <b>4.506.1 Bathroom exhaust fans.</b> Each bathroom shall be mechanically ventilated and shall comply with the following:
<ol> <li>Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building.</li> <li>Unless functioning as a component of a whole house ventilation system, fans must be controlled by a humidity control.</li> </ol>
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.
<li>A humidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in)</li>

Notes

N/A RESPON

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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:

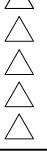
USE OF THIS INFORMATION IS CTED TO THE ORIGINAL PROJECT FOR WHICH PREPARED FOR THE PERMIT READY SORY DWELLING UNIT (ADU) PROGRAM FOR OF RIVERSIDE ONLY. THIS IS A LIMITED STANDARDIZED ADU PLANS AND FICATIONS APPROVED BY THE CITY C DE BUILDING DEPARTMENT. BUILDING CODES ANGE OVER TIME AND RECIPIENT SHALL 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.

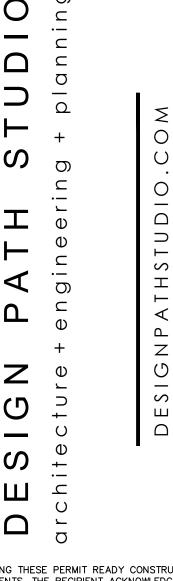
WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED INSTALLED, THE SMOKE ALARMS SHALL BE INTERCON SUCH A MANNER THAT THE ACTIVATION OF ONE ALAR ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL DWELL THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDR OVER BACKGROUND NOISE LEVELS WITH ALL INTERV DOORS CLOSED.

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)	<ul> <li>FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER</li> <li>HEATER WITH NO OBSTRUCTIONS; AND</li> <li>BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE</li> </ul>
BLE 703.2) RTICAL	<ul> <li>LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED; AND</li> <li>A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE</li> </ul>
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	<ul> <li>INCHES FROM EXTERIOR FLOOR.</li> <li>19. LUMINAIRE EFFICACY - ALL INSTALLED LUMINAIRES SHALL MEET THE REQUIREMENTS OF 2022 BUILDING ENERGY EFFICIENCY</li> </ul>
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	<ol> <li>THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS.</li> <li>SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW</li> </ol>
, 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



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

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

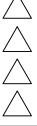
project

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	<ol> <li>707A.7 EXTERIOR PORCH CEILINGS. THE EXPOSED UNDERSIDE OF THE EXTERIOR PORCH CEILINGS SHALL BE PROTECTED BY ONE OF THE FOLLOWING:         <ol> <li>NON COMBUSTIBLE MATERIAL</li> </ol> </li> </ol>	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	<ol> <li>IF FIRE SPRINKLERS ARE REQUIRED AT PROPOSED DWELLING OR ADU THEN THE FOLLOWING NOTES APPLY.</li> <li>AUTOMATIC FIRE SPRINKLER SYSTEM - AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AS PER NFPA 13D THE</li> </ol>	
MINATED WOOD MENSION OF 4 KS SPLINED, ETHER AND WELL	<ol> <li>NON COMBOSTIBLE MATERIAL</li> <li>IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2</li> <li>FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2</li> </ol>	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	<ol> <li>FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2</li> <li>MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR</li> </ol>	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 <sup>5</sup> / <sub>8</sub> " 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	<ul> <li>7. THE UNDERSIDE OF AN APPENDAGE ASSEMBLY THAT</li> <li>MEETS THE PERFORMANCE CRITERIA IN SECTION 707A.11</li> <li>WHEN TESTED IN ACCORDANCE WITH THE TEST</li> <li>PROCEDURES SET FORTH IN ASTM E2957.</li> <li>8. THE UNDERSIDE OF AN APPENDAGE ASSEMBLY THAT</li> </ul>	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 <b>Deck:</b> 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. <b>Underlayment:</b> Titanium UDL 30® stapled to face with 3" overlap.	
DECK ON THE CONSIST OF ONE	<ol> <li>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:         <ol> <li>NONCOMBUSTIBLE MATERIAL</li> <li>IONITION DESIGNATION AND AND AND AND AND AND AND AND AND AN</li></ol></li></ol>	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	<b>Roof Covering:</b> Metal Sales Image II <sup>™</sup> 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	<ol> <li>IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2</li> <li>FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND</li> </ol>	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,	<ol> <li>5. EXTERIOR STRUCTURAL GLASS VENEERS</li> <li>6. SKYLIGHTS</li> <li>7. VENTS</li> <li>16. 708A.2.1 EXTERIOR WINDOWS AND EXTERIOR GLAZED DOOR</li> </ol>	(W.U.I.) <b>LISTEE:</b> 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 <b>DESIGN:</b> 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.	<ul> <li>4. BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2.</li> <li>17. 708A.3 EXTERIOR DOORS. EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING: <ol> <li>THE EXTERIOR SURFACE OR CLADDING SHALL BE OF</li> </ol> </li> </ul>	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. <b>RATING:</b> Tested in accordance with ASTM E2886	
ES HAVING IORIZONTAL	<ul> <li>EXCEPTION TO SECTION 707A.8: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION</li> <li>3. 707A.9 UNDERFLOOR PROTECTION. THE UNDERFLOOR AREA OF ELEVATED OR OVERHANGING BUILDINGS SHALL BE ENCLOSED TO</li> </ul>	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	<ol> <li>IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2</li> <li>FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2</li> <li>MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR</li> </ol>	<ul> <li>EXCEPT FOR THE EXTERIOR PERIMETER OF THE PANEL THAT SHALL BE PERMITTED TO TAPER TO A TONGUE NOT LESS THAN <sup>3</sup>/<sub>8</sub>" THICK.</li> <li>4. THE EXTERIOR DOOR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO THE NFPA 252.</li> <li>5. THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED</li> </ul>	Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Email: rathisha.sabaratnam@jhresearchusa.com <b>DESIGN:</b> "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. <b>RATING:</b> 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	<ol> <li>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.</li> <li>7. THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE</li> </ol>	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		<b>LISTING No.</b> 8140-2026:0001 <b>DESIGN: "</b> 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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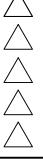
1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJEC PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBL FOR TRANSLATION 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 DOCUMENT AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL. TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM AN' USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS NDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT 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

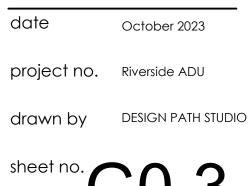
City of Riverside Pre-Approved ADU Program

revisions

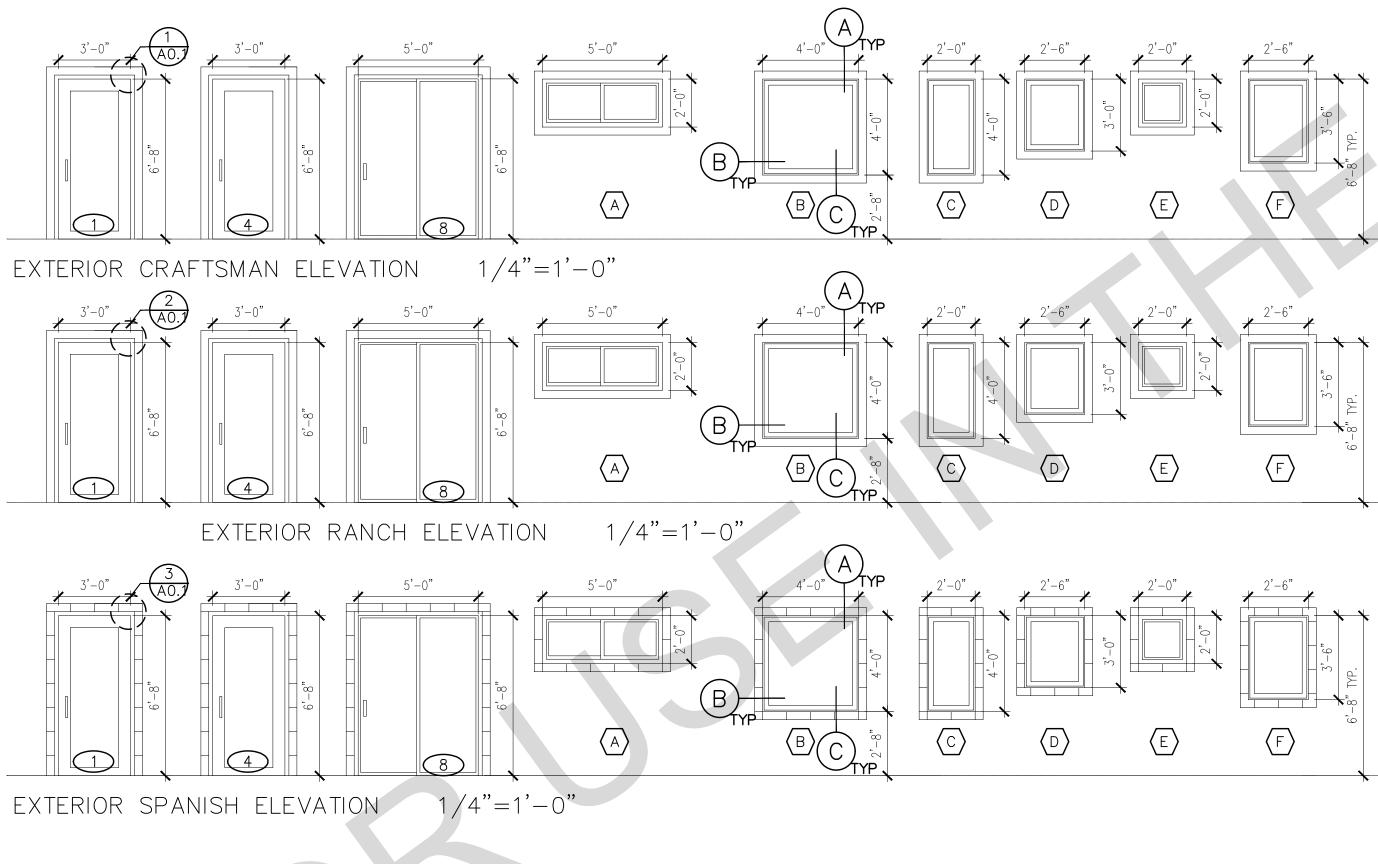


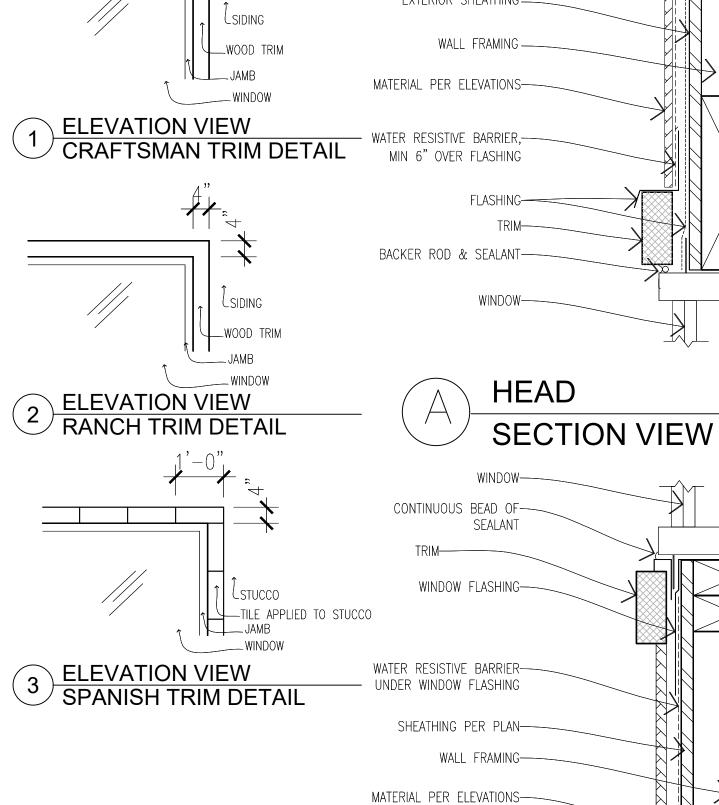
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General Notes



WINDOW SCH	IEDULE	E									OR SCHEDUI	LE								
NDOW WINDOW SIZE		ER.	QNTY	FRAME	HEAD HEIGHT	LOCATION	REMARKS STC DB	ANTI INFILTRATION RATE CF/M MAX	VHFSZ NOTES SEE SHEET G0.3 ( (WHEN REQ'D)	B DOOR	DOOR TYPE		DOOR SI HEIGHT		CORE	MATERIAL	FRAME	LOCATION	REMARKS	VHFSZ NOTES SEE SHEET G0. (WHEN REQ'D)
A 5'- <sup>0"</sup> 2'-		IDER	2	VINYL	6'-8"	BEDROOM 1& 2	40	0.5	NOTE 15 & 16	1	ENTRY DOOR	3'- <sup>0"</sup>	6'- <sup>8"</sup>	1-3/4"	GL	VNL/GLASS	VINYL	BEDROOM PATIO ACCESS	TEMPERED	NOTE 15, 16, 17, 8
B 4'- <sup>0"</sup> 4'-		SEMENT	2	VINYL	6'-8"	LIVING ROOM	40	0.5	NOTE 15 & 16	2	CLOSET DOORS	9'- <sup>0"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	OPTIONAL BEDROOM		
C 2'- <sup>0"</sup> 4'-		SEMENT	2	VINYL	6'-8"	BEDROOM 1	40	0.5	NOTE 15 & 16	3	SINGLE DOOR	2'- <sup>6"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD		OPTIONAL BEDROOM		
D 2'- <sup>6"</sup> 3'- E 2'- <sup>0"</sup> 2'-		SEMENT /NING	1	VINYL VINYL	6'-8"	KITCHEN	TEMPERED 40	0.5	NOTE 15 & 16 NOTE 15 & 16	4 5		3'- <sup>0"</sup> 3'- <sup>0"</sup>	6'- <sup>8</sup>	1-3/4" 1-3/4"	GL HLW	VNL/GLASS WOOD		FRONT ENTRY	TEMPERED	NOTE 15, 16, 17,
F 2'- <sup>6</sup> 2'-		SEMENT	1	VINYL	6'-8" 6'-8"	BATHROOM BEDROOM 1	NOTE 7 40	0.5	NOTE 15 & 16	5	SINGLE DOOR	2'-4"	6'-°	1-3/4		WOOD	WD WD	BATHROOM CLOSET	LOUVERED	
1 2- 3-					0-0					7	SINGLE DOOR	3'- <sup>0"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD		BEDROOM	LOOVERED	
	FS			1						8	CLOSET DOORS	6'- <sup>0"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD		BEDROOM 1		
1. SEE EXTERIOR ELEVATION FOR DIRECTION OF OPERATION OF WINDOWS (ALL OPERABLE WINDOWS TO HAVE SCREENS).							9	SINGLE DOOR	2'- <sup>6"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	BATHROOM					
ALL WINDOW DIMENSIONS PR	PERTAIN TO RC	ROUGH OPENING	GS (R.O.), CON	ITRACTOR TO F	IELD VERIF	Y ACTUAL DIMENSIONS FOR WINDOWS				10	SINGLE DOOR	2'- <sup>4</sup> "	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	WATER HEATER CLOSET		
ALL GLAZING WILL BE INSTAL ALL GLAZING SHALL BE SPEC																				
WINDOWS SHALL MEET THE VENTILATION SHALL COMPLY	MINIMUM INFI	FILTRATION REQ	QUIREMENTS																	
EVERY SLEEPING ROOM SHA	ALL HAVE ONE	IE OPERABLE WI	INDOW FOR E				BLE AREA OF 5.7 SQ. FT, MIN. NET CLEAF	R OPENABLE HEIGH	T OF 24" MIN., NET											
EAR WIDTH OF 20" AND A FIN TEMPERED GLASS SHALL BE										DOO	R NOTES									
. FIRE-RESISTANCE RATED G . THE FOLLOWING WINDOWS -SLIDING/SWING -GLAZING IN WA ABOVE THE STA -GLAZING WITHI CLOSED POSITIO -GLAZING WHER BOTTOM TREAD -GLAZING IN GU/	GLAZING TEST S SHALL BE FU GING GLASS DO ALLS AND ENCI ANDING SURFA IIN A 24" ARC O ION AND WITHI RE THE EXPOS O OF A STAIRW JARDS AND RA	STED AS PART O FULLY TEMPERE DOORS CLOSURES FACI FACE WITHIN TH OF A DOOR THA HIN 24" OF HINGE OSED AREA IS GF WAY AND LESS T CAILINGS	OF A FIRE-RES ED: (CRC R308 HE COMPARTM AT IS LESS TH, E SIDE OF AN REATER THAN THAN 36IN. AE	ISTANCE-RATEI .4) IENT AND WITH AN 60 INCHES A IN-SWING DOO 9SQ.FT, BOTT( 30VE THE LAND	D WALL ASS POOLS, SAU IN 60 INCHE BOVE THE I R. (R308.4.2 DM IS LESS VING	EMBLY IN ACCORDANCE WITH ASTM E INAS, STEAM ROOMS, BATHTUBS, SHO' S HORIZONTALLY OF THE WATER'S ED FLOOR. SAFETY GLAZING REQUIRED OI ) THAN 18 IN. AND AT LEAST 36 IN. ABOV	ASS UNITS WITH A MINIMUM OF ONE TEI 119 OR UL 263 TO BE CONSTRUCTED PE WERS AND SWIMMING POOLS WHERE TH OGE (CRC R308.4.5) N A WALL LESS THAN 180 DEGREES FRO E THE FLOOR, AND ADJACENT TO A WAL SS THAN 36IN. ABOVE THE WALKING SUR	R NOTE #13 IE GLAZING IS LESS M THE PLANE OF TH KING SURFACE WITI	IE DOOR IN A	<ol> <li>VENTIL</li> <li>DOORS THAN T</li> <li>GLAZE</li> <li>THE FO</li> <li>THE FO</li> <li>NOT US</li> <li>NOT US</li> <li>NOT US</li> <li>LEXTER</li> </ol>	INCHES ABOVE THE S -GLAZING WITHIN A 2 CLOSED POSITION AI -GLAZING WHERE TH THE BOTTOM TREAD -GLAZING IN GUARDS -GLAZING ADJACENT ED	TH C.B.C. 120 RIOR ONLY IF SECTION R31 ERIOR DOOR L BE FULLY GLASS DOOF AND ENCLOS STANDING SI 24" ARC OF A ND WITHIN 2 E EXPOSED OF A STAIR S AND RAILIN T O STAIRW.	3.4 AND R30 THE FLOOF 1.3.1 CRC S SHALL BE TEMPERED: RS SURES FACIN URFACE WIT . DOOR THAT 4" OF HINGE AREA IS GR WAY AND LE IGS AYS, LANDIN RCE OF NOIS	3. R OR LANDIN INSULATNG (CRC R308. NG HOT TUE THIN THE CO T IS LESS TH SIDE OF AN EATER THA SS THAN 36 IGS, AND RA	IG IS NOT I -GLASS UN 4) IS, SPAS, W MPARTME IAN 60 INCH IN-SWING N 9SQ.FT, E IN. ABOVE AMPS WITH MIN. STC 4	NORE THAN 1-2 ITS WITH A MIN HIRLPOOLS, S NT AND WITHIN IES ABOVE THI DOOR. (R308.4 SOTTOM IS LES THE LANDING IN 36IN. HORIZO 0 DB	AUNAS, STE 60 INCHES FLOOR. SA .2) S THAN 18 I	NE TEMPERED PANE, EAM ROOMS, BATHTUBS, SHOWERS A HORIZONTALLY OF THE WATER'S ED AFETY GLAZING REQUIRED ON A WAL IN. AND AT LEAST 36 IN. ABOVE THE F F THE WALKING SURFACE LESS THAN	DGE (CRC R308.4.5) L LESS THAN 180 DEGREES FRO LOOR, AND ADJACENT TO A WAL	M THE PLANE OF THE DOC



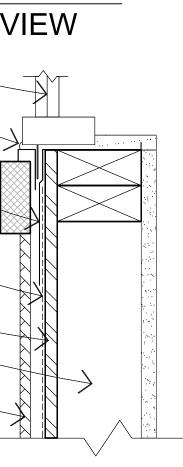


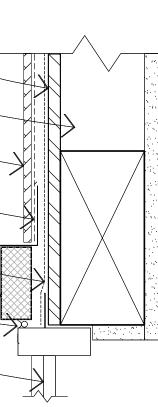
# WINDOW DETAILS SCALE: 3"=1'-0"

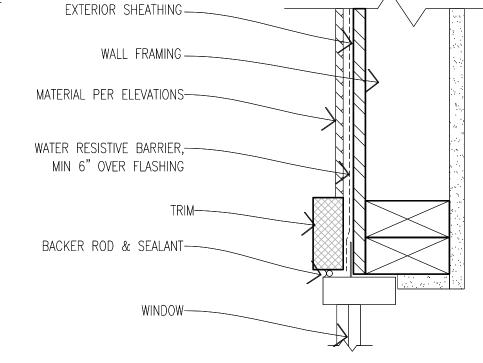
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## SECTION VIEW







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PLAN VIEW

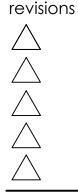
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sheet no. <b>ΔΛ 1</b>				
drawn by	DESIGN PATH STUDIO			
project no.	Riverside ADU			

October 2023

Window &
Door
Schedules

description



date

project

City of Riverside Pre-Approved ADU Program

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.

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

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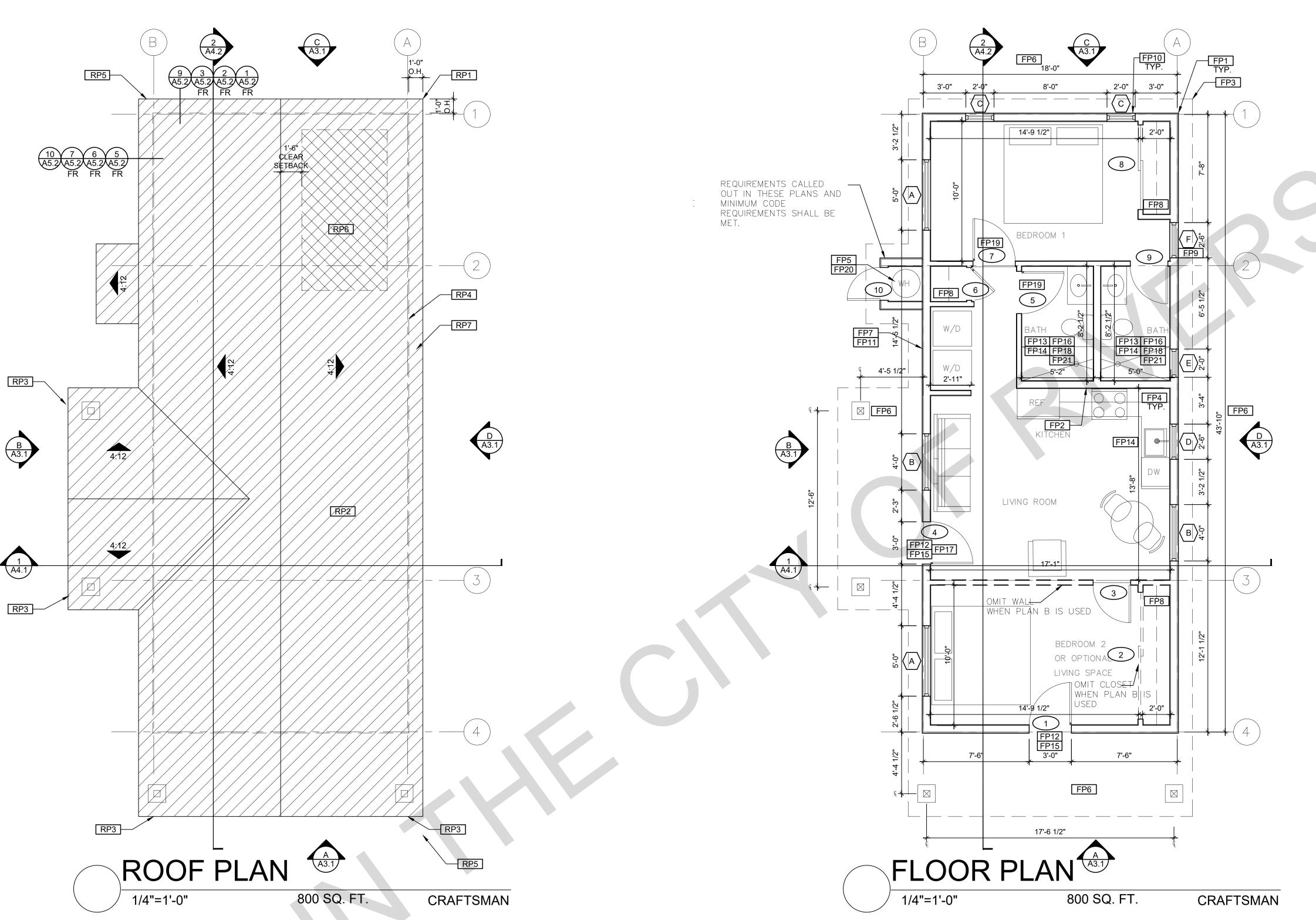
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ROOF	<b>KEYNOTES</b>
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ROOF KEYNOTES	FLOOR PLAN KEYNOTES	
<ul> <li>RP1 LINE OF ROOF OVERHANG</li> <li>RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2</li> <li>RP3 SUPPORT POST BELOW</li> <li>RP4 LINE OF WALLS BELOW</li> <li>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.</li> <li>RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET</li> <li>RP7 RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX ¼", MIN</li> </ul>	<ul> <li>FP1 STUD WALL SIZED PER STRUCTURAL</li> <li>FP2 2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING</li> <li>FP3 LINE OF OVERHANG ABOVE</li> <li>FP4 36" HIGH COUNTER</li> <li>FP5 WATER HEATER</li> <li>FP6 SLOPE SURFACE AWAY FROM BUILDING</li> <li>FP7 DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING</li> <li>FP8 CLOSET SHELF AND POLE</li> <li>FP9 EMERGENCY EGRESS WINDOW</li> </ul>	<ul> <li>FP13 SHOWER ENCLOSURE MUST BE TEMPERED. GLAZING IN THE WALLS/DOORS FACING OR CONTAINING BATHTUBS, SHOWERS, HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS AND INDOOR/OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS MORE THAN 60", MEASURED HORIZONTALLY, FROM THE WATER'S EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL OR SWIMMING POOL. SHOWER DOORS SHALL OPE AS TO MAINTAIN NOT LESS THAN A 22-INCH UNOBSTRUCTED OPENING FOR EGRESS.</li> <li>FP14 PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 1101.3(c), ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER -CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING PLANS FOR ENDEDMATION</li> </ul>
AREA FOR ENCLOSED RAFTER SPACES. MAX $\chi_4$ , MIN $\chi_6$ " 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 SEE VENTING CALCULATIONS OF THIS SHEET	<ul> <li>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</li> <li>FP11 VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION</li> <li>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</li> </ul>	FURTHER INFORMATION FP15 LANDING OR FLOOR REQUIRED AT EACH SIDE OF EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN TH DOOR SERVED AND HAVE A MIN 36 INCH DEPTH MEASURED IN THE DIRECTION OF TRAVEL. EXTERI LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED <sup>1</sup> / <sub>4</sub> " PER FOOT, (CRC 3111.3) LANDIN OR FINISHED FLOORS AT EGRESS DOOR SHALL NO BE MORE THAN 1.5" LOWER THAN THE TOP OF THE THRESHOLD FOR OUTWARD SWINGING DOORS OF 7.75" FOR DOORS THAT DO NOT SWING OUTWARD. (CRC 3111.3.1) DOORS OTHER THAN THE REQUIRED EGRESS DOOC SHALL BE PROVIDED WITH LANDINGS OR FLOORS MORE THAN 7.75" BELOW THE TOP OF THE THRESHOLD (CRC 3111.3.2)

THRESHOLD TO THE BOTTOM OF THE STOP

## 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.

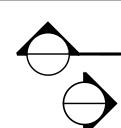
FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (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: 800 SF.

VENTILATION AREA REQUIRED: 800 SF./150SF.= 5.33 SF. CONVERT TO SQ. IN: 5.33 SF. x 144 = 768 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 768 SQ. IN.



LEGEND

OOLS, SAUNAS, STEAM ROOMS AND OR SWIMMING POOLS WHERE THE ED EDGE OF THE GLAZING IS LESS THE STANDING SURFACE. AZING THAT IS MORE THAN 60", RIZONTALLY, FROM THE WATER'S HTUB, HOT TUB, SPA, WHIRLPOOL POOL. SHOWER DOORS SHALL OPEN I NOT LESS THAN A 22-INCH O OPENING FOR EGRESS.

01.1.1 CALGREEN AND CIVIL CODE UMBING FIXTURES SHALL BE TER -CONSERVING PLUMBING MECHANICAL / PLUMBING PLANS FOR MATION

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

HAN THE REQUIRED EGRESS DOOR DED WITH LANDINGS OR FLOORS NOT MORE THAN 7.75" BELOW 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 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"

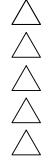
FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(N)

FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

SECTION CUT	<u> </u>	- KEYNOTE
ELEVATION CALLOUT	X	DOOR SYMBOL
DETAIL DRAWING REF.	$\langle x \rangle$	WINDOW SYMBOL
WALL BELOW OR ROOF ABOVE	X'-X"	CEILING HEIGHTS
SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2	VARIES	VAULTED CEILING
ROOFING	X:12	ROOF SLOPE
	ELEVATION CALLOUT DETAIL DRAWING REF. WALL BELOW OR ROOF ABOVE SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2	ELEVATION CALLOUT X DETAIL DRAWING REF. WALL BELOW OR ROOF ABOVE X'-X" SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET GO.2 X:12

Gransman						
date	October 2023					
project no.	Riverside ADU					
drawn by	DESIGN PATH STUDIO					
sheet no. A1.1						

## description Roof & Floor Plan Craftsman



revisions

ADU Program

project City of Riverside Pre-Approved

SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL 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.

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LEGAL RESPONSIBILITY, FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD

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DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS,

LIABILITY, DEMANDS, JUDGMENTS, OR COSTS

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 ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE

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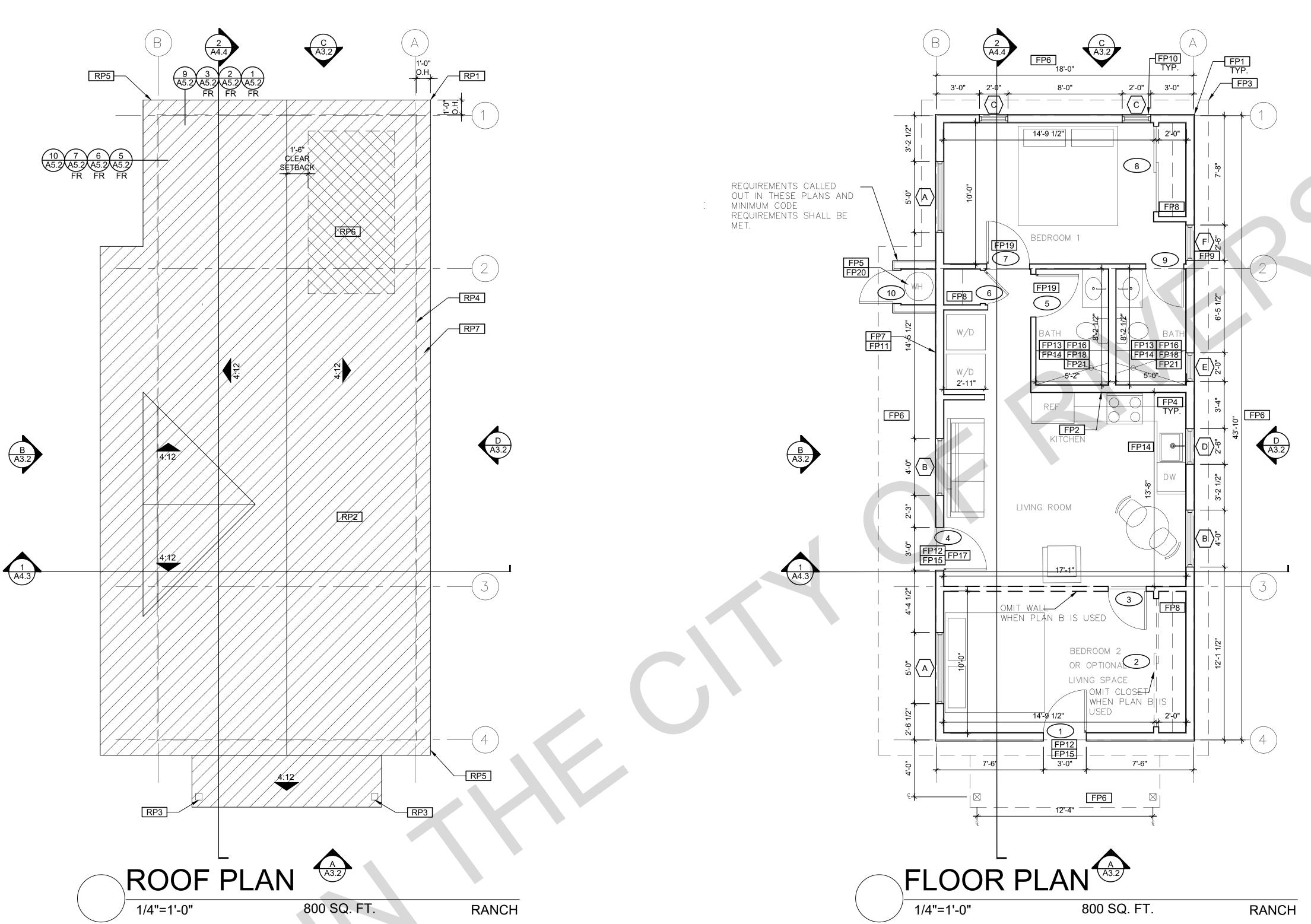
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RP1	LINE OF ROOF OVERHANG

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

FP1 STUD WALL SIZED PER STRUCTURAL	FP13 SHOWER ENCLOSURE MUST BE TEMPERED.
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FP3 LINE OF OVERHANG ABOVE	INDOOR/OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS
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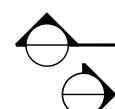
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CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF: TO BE UPDATED WITH SITE SPECIFIC NUMBERS.

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LEGEND

OR REQUIRED AT EACH SIDE OF WIDTH TO BE NOT LESS THAN THE ND 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 5" LOWER THAN THE TOP OF THE OUTWARD SWINGING DOORS OR THAT DO NOT SWING OUTWARD.

HAN THE REQUIRED EGRESS DOOR DED WITH LANDINGS OR FLOORS NOT BELOW THE TOP OF THE C 3111.3.2)

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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

END			
<b>^</b>	SECTION CUT	<u> </u>	- KEYNOTE
$\Theta$	ELEVATION CALLOUT	X	DOOR SYMBOL
$\Box$	DETAIL DRAWING REF.	$\langle x \rangle$	WINDOW SYMBOL
	WALL BELOW OR ROOF ABOVE	χ'-χ"	CEILING HEIGHTS
	SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2	VARIES	VAULTED CEILING
	ROOFING	X:12	ROOF SLOPE

revisions description Roof & Floor Plan Ranch date October 2023 project no. Riverside ADU

DESIGN PATH STUDIO

City of Riverside Pre-Approved ADU Program

project

drawn by

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 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

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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

DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

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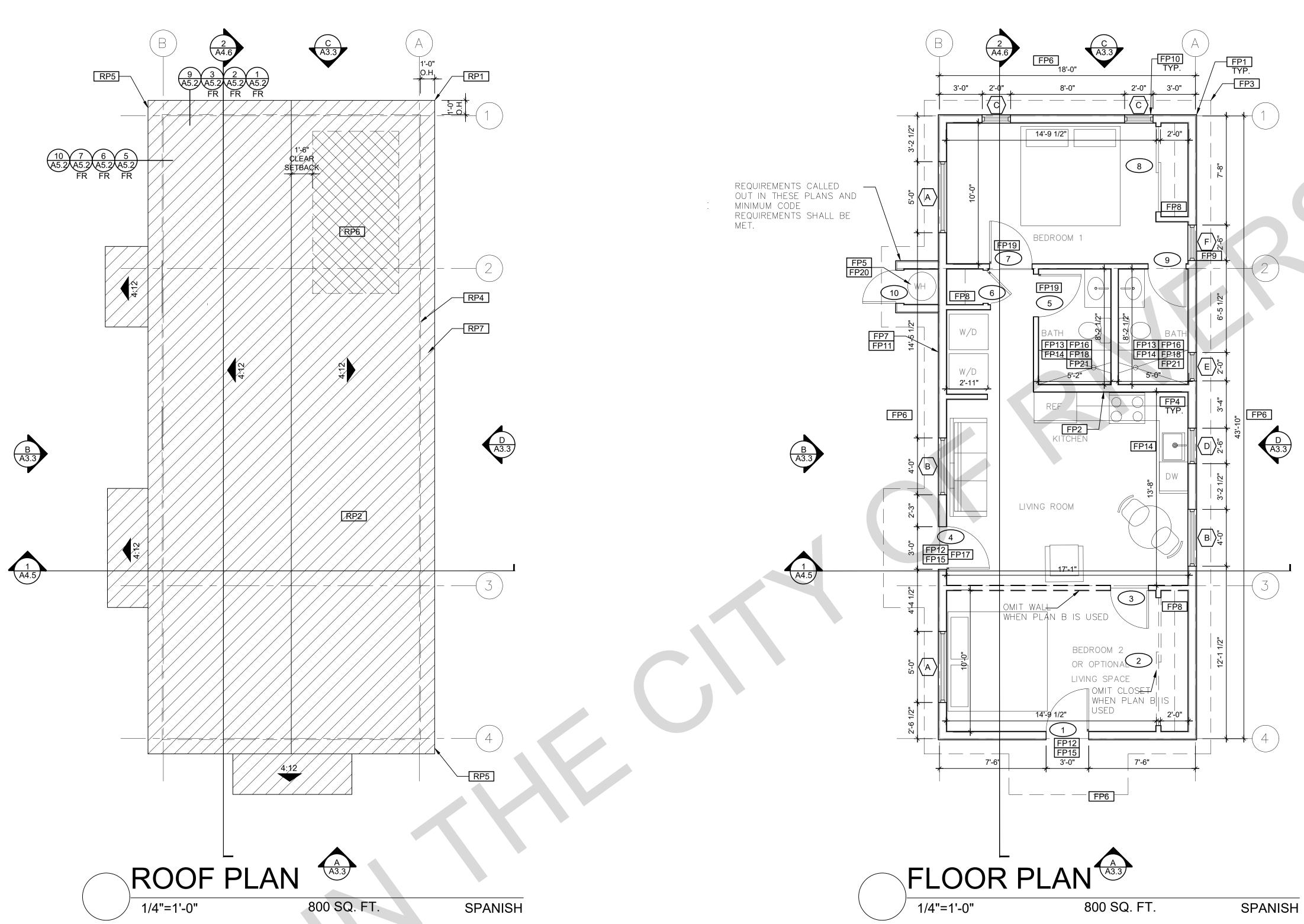
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FOLLOWING CONDITIONS:



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
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## FLOOR PLAN KEYNOTES

THRESHOLD TO THE BOTTOM OF THE STOP

<ul> <li>FP1 STUD WALL SIZED PER STRUCTURAL</li> <li>FP2 2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING</li> <li>FP3 LINE OF OVERHANG ABOVE</li> <li>FP4 36" HIGH COUNTER</li> <li>FP5 WATER HEATER</li> </ul>	FP13 SHOWER ENCLOSURE MUST BE TEMPEREI GLAZING IN THE WALLS/DOORS FACING OF CONTAINING BATHTUBS, SHOWERS, HOT T SPAS, WHIRLPOOLS, SAUNAS, STEAM ROO INDOOR/OUTDOOR SWIMMING POOLS WHE BOTTOM EXPOSED EDGE OF THE GLAZING THAN 60" ABOVE THE STANDING SURFACE EXCEPTION: GLAZING THAT IS MORE THAN MEASURED HORIZONTALLY, FROM THE WA EDGE OF A BATHTUB, HOT TUB, SPA, WHIR
<ul> <li>FP6 SLOPE SURFACE AWAY FROM BUILDING</li> <li>FP7 DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING</li> <li>FP8 CLOSET SHELF AND POLE</li> <li>FP9 EMERGENCY EGRESS WINDOW</li> <li>FP10 WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL</li> </ul>	OR SWIMMING POOL. SHOWER DOORS SHA AS TO MAINTAIN NOT LESS THAN A 22-INCH UNOBSTRUCTED OPENING FOR EGRESS. FP14 PER SECTION 301.1.1 CALGREEN AND CIVIL 1101.3(c), ALL PLUMBING FIXTURES SHALL E COMPLIANT WATER -CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING P FURTHER INFORMATION FP15 LANDING OR FLOOR REQUIRED AT EACH SI
REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS FP11 VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION FP12 MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE	EXTERIOR DOOR. WIDTH TO BE NOT LESS T DOOR SERVED AND HAVE A MIN 36 INCH DE MEASURED IN THE DIRECTION OF TRAVEL. LANDINGS SHALL BE PERMITTED TO HAVE A NOT TO EXCEED <sup>1</sup> / <sub>4</sub> " PER FOOT, (CRC 3111.3) OR FINISHED FLOORS AT EGRESS DOOR SI BE MORE THAN 1.5" LOWER THAN THE TOP THRESHOLD FOR OUTWARD SWINGING DO 7.75" FOR DOORS THAT DO NOT SWING OU (CRC 3111.3.1) DOORS OTHER THAN THE REQUIRED EGRE SHALL BE PROVIDED WITH LANDINGS OR F MORE THAN 7.75" BELOW THE TOP OF THE THRESHOLD D (CRC 3111.3.2)

	_
FLOOR	PLA
1/4"=1'-0"	

## 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.

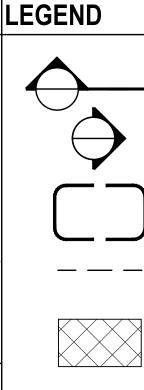
FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (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: 800 SF.

VENTILATION AREA REQUIRED: <u>800</u>SF./150SF.= <u>5.33</u>SF. CONVERT TO SQ. IN: <u>5.33</u> SF. x 144 = <u>768</u> SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 768 SQ. IN.



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

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

OR 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 DUTWARD SWINGING DOORS OR THAT DO NOT SWING OUTWARD.

AN THE REQUIRED EGRESS DOOR ED WITH LANDINGS OR FLOORS NOT BELOW 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 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"

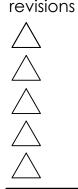
FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(N)

FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

SECTION CUT	X	- KEYNOTE
ELEVATION CALLOUT	X	DOOR SYMBOL
DETAIL DRAWING REF.	$\langle x \rangle$	WINDOW SYMBOL
WALL BELOW OR ROOF ABOVE	X'-X"	CEILING HEIGHTS
SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2	VARIES	VAULTED CEILING
	X:12	ROOF SLOPE
ROOFING	·	

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

## description Roof & Floor Plan Spanish



City of Riverside Pre-Approved ADU Program

project

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.

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

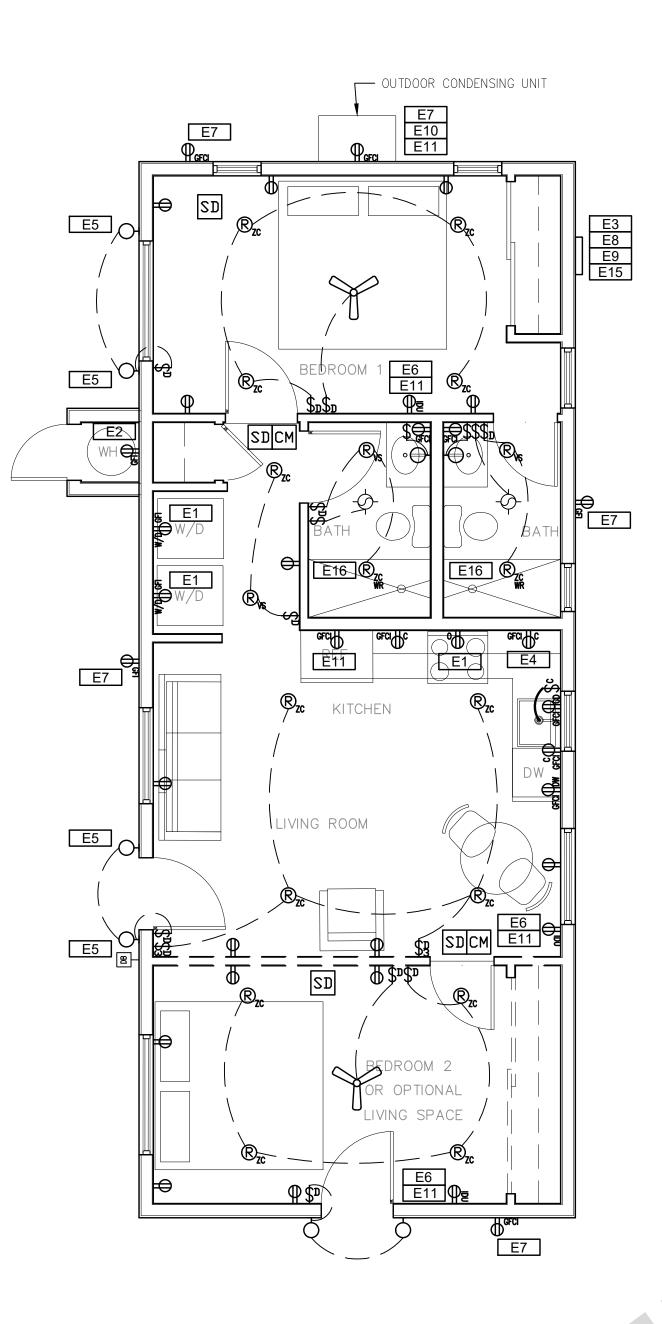
DO CHANGE OVER TIME AND RECIPIENT SHALL

SET OF STANDARDIZED ADU PLANS AND

SPECIFICATIONS APPROVED BY THE CITY C RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES

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## **MECHANICAL / PLUMBING KEYNOTES**

<ul> <li>MEET THE PERFORMANCE CRITERIA OF THE EPA WATERSENCE SPECIFICATIONS FOR SHOWERHEADS. CPC SECTIONS 407, 408, 411, 412 AND SECTION 301.1.1 CALGREEN CODE AND CIVIL CODE 1101.3(c)</li> <li>MP3 EXHAUST HOOD ABOVE/ TO BE SMOOTH METALLIC INTERIOR SURFACE (CMC 504.3)</li> <li>MP4 NEW WATER 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</li> <li>MP5 CONTROL VALVES IN SHOWERS, BATHTUBS, &amp; BIDETS MUST BE PRESSURE BALANCED OR THERMOSTATIC MIX VALVES</li> <li>MP6 MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS</li> <li>MP7 CLEARANCE FOR WATER CLOSET TO BE A MIN. OF 24" IN FRONT, AND 15" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. (CPC 402.5)</li> </ul>	<ul> <li>DRYER EXHAUST OUTLET FROM DRYER TO EXTERIOR MAX LENGTH 14' WITH MAXIMUM OF TWO 90° ELBOWS.EXHAUST VENT MUST TERMINATE A MIN. OF 3' FROM ANY OPENING. MIN. TYPE 1 CLOTHES DRYER EXHAUST DUCTS SHALL BE OF RIGID METAL &amp; SHALL HAVE SMOOTH INTERIOR SURFACES. THE DIAMETER SHALL BE NOT LESS THAN 4 INCHES NOMINAL (100 MM), &amp; THE THICKNESS SHALL BE NOT LESS THAN 0.016 OF AN INCH (0.406 MM). EXHAUST DUCTS &amp; DRYER VENTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPERS</li> <li>NEW WATER HEATER WITH T&amp;P RELIEF VALVE AND DISCHARGE PIPE AT EXTERIOR. PROVIDE COMBUSTION AIR AND CLEARANCES PER MANUFACTURER REQUIREMENTS.</li> <li>NEW WATER HEATERS SHALL HAVE ISOLATION VALVES ON BOTH THE COLD AND THE HOT WATER PIPING LEAVING THE WATER HEATER COMPLETE WITH HOSE BIBS OR OTHER FITTINGS ON EACH VALVES FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED</li> <li>ALL DOMESTIC HOT WATER PIPING TO HAVE THE FOLLOWING MINIMUM INSULATION INSTALLED: ½" PIPE (½" INSULATION); ¾" PIPE (1" INSULATION); ¾" PIPE (1" INSULATION); 1" TO 1-1/2" PIPE (1-1/2" INSULATION)</li> <li>OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT</li> <li>A MINIMUM 100 CFM INTERMITTENT RATED HOOD OVER RANGE IS REQUIRED. IF USED FOR INDOOR AIR QUALITY THE FAN SHALL RUN CONTINUOUSLY AND BE HERS VERIFIED PER CEC TABLE 150.0-G: 160 CFM OR 65% CE AT 755F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 755F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 755F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 755F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 755F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 755F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 705F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 705F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 705F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 705F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 705F, 130 CFM IR 55% CE AT 750-1000SF, 110 CFM OR 50% CE AT 1000-1500SF, OR 110 CFM OR 50% AT 1500SF</li> </ul>	<ul> <li>E1 DEDICATED 30 AMP/ 240V POWER FFOVEN. VERIFY REQUIREMENTS WITH SPECIFICATIONS - ELECTRIC COOKT REQUIREMENTS ARE TO BE IMPLEME ELECTRIC READY 150.0(u) FOR REQUIREMENTS ARE TO BE IMPLEME ELECTRIC READY 150.0(u) FOR REQUIREMENTS ARE TO BE IMPLEMENTS ARE TO BE IMPLEMENTS ARE TO BE IMPLEMENTS ARE TO NEW ELECTRIC HYBRID HEATER WITHIN 3' OF WATER HEATER WITHIN 3' OF WATER HEATER #16 ON G0.2 FOR MORE INFORMATION (E3) SUBPANEL LOCATION. ALTERNATE LED DETERMINED BY OWNER</li> <li>E4 OUTLET AT COUNTER HEIGHT - SHAL ARTICLE 210.52(C): IN KITCHENS AR SHALL BE INSTALLED AT EACH COUNWIDER; SHALL BE INSTALLED AT EACH COUNWIDER; SHALL BE INSTALLED SO TH. WALL IS MORE THAN 24"; ISLAND IN COUNTERTOPS 12" X 24" LONG (OR OLEAST ONCE RECEPTACLE</li> <li>E5 OUTDOOR LIGHTING FIXTURES ARE EFFICACY OR CONTROLLED BY A COPHOTOCONTROL / MOTION SENSOR</li> <li>E6 OUTLET DEDICATED FOR INDOOR HY</li> <li>E7 WEATHER RESISTANT TYPE RECEPT</li> <li>E8 OVER-CURRENT FEEDER TO EXTENALLOWABLE VOLTAGE DROP PER COMMENTED IN ALLOWABLE VOLTAGE DROP PER COMMENTED IN ALLOWABLE VOLTAGE DROP PER COMMENTED IN ALLOWABLE VOLTAGE DROP PER COMMENTED IN THE DEDICATED FOR INDOOR HY</li> </ul>

### **ELECTRICAL KEYNOTES** MECHANICAL LEGEND ELECTRICAL LEGEND FOR ELECTRIC DRYER OR E10 OUTDOOR CONDENSING UNIT RECEPTACLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING MECHANICAL FIRE DETECTION POWER/DATA VITH APPLIANCE SMOKE DETECTORS PER SECTION R314 BATHROOM EXHAUST FAN: MINIMUM 50 CFM TO BE TAMPER RESISTANT REC Ð OF THE HEATING AND COOLING EQUIPMENT AND SHALL BE -()-OKTOP READY DUCTED TO THE EXTERIOR AND SHALL PROVIDE DETECTORS SHALL BE PERMANENTLY WIRED WALL MOUNTED, 110 V D LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE EMENTED, SEE SHEET G0.2, FIVE AIR CHANGES PER HOUR. CFM AND NOISE WITH BATTERY BACKUP. SOUND AN ALARM EQUIPMENT. THIS RECEPTACLE SHALL BE GFCI-WP GFI = WATER PROOF GFCI EQUIREMENTS RATING MAXIMUM 3 SONE FOR INTERMITTENT USE. AUDIBLE IN ALL SLEEPING AREAS. ALARM CT = COOKTOP/ GRILL 240 PROTECTED. DEVICES SHALL BE INTERCONNECTED IN SUCH A SHALL BE ENERGY STAR RATED AND CONTROLLED BRID HEAT PUMP WATER O = OVEN 240 V EATER. SEE ELECTRICAL NOTE E11 A DISCONNECTING MEANS CAPABLE OF DISCONNECTING MANNER THAT THE ACTUATION OF ONE ALARM BY A HUMIDISTAT CAPABLE OF AN ADJUSTMENT MW = MICROWAVE 110 V AIR-CONDITIONING AND REFRIGERATING EQUIPMENT, BETWEEN 50-80% HUMIDITY. WILL ACTIVATE ALL O F THE ALARMS IN THE UNIT. GD = GARBAGE DISPOSAL TION INCLUDING MOTOR-COMPRESSORS AND CONTROLLERS FROM SHALL COMPLY WITH THE FOLLOWING: IQA FAN IS REQUIRED. ONE OR MORE FANS (EITHER R = RANGE 220V E LOCATION TO BE THE CIRCUIT CONDUCTOR IS REQUIRED WITHIN SIGHT FROM • AT LEAST 3' FROM THE TIP OF THE BLADE OF KITCHEN OR BATHROOM) TO OPERATE C = COUNTER HEIGHT 6" THE EQUIPMENT LOCATION PER CEC SECTION 440.11 CONTINUOUSLY AT REQUIRED CFM PER HERS A CEILING-MOUNTED FAN IDU = INDOOR UNIT POWE NOT LESS THAN 3' FROM THE DOOR E12 PER CEC 2022 150.0(N).1.A.: THE DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER HEATER AND IS TO COMPLY WITH NOTES ON T1.1(OR GREATER) TO PROVIDE INDOOR W/D = WASHER/DRYER HALL COMPLY WITH CEC AIR QUALITY. AT THE IAQ FAN SWITCH, A LABEL OPENING OF A BATHROOM 30AMP/ 240AMP A RECEPTACLE OUTLET CLEARLY DISPLAYING THE FOLLOWING OR AT LEAS 20' FROM A COOKING APPLIANCE ELECTRICAL NOTES 15&16 ON SHEET G0.2 PHONE / DATA / MEDIA OUNTER SPACE 12" OR THAT NO POINT ALONG THE E13 NOT USED OR 10' FROM COOKING APPLIANCE WHEN EQUIVALENT TEXT IS REQUIRED: "THIS SWITCH -⊕-CEILING, WATERPROOF CONTROLS THE INDOOR AIR QUALITY VENTILATION THE ALARM IS AN IONIZING SMOKE ALARM FOR THE HOME. LEAVE IT ON UNLESS THE PER NFPA 72 SECTION 29.8.3.4 ITEM 4 FLOOR MOUNTED DUPL OR GREATER) SHALL HAVE AT OUTDOOR AIR QUALITY IS VERY POOR. AT LEAST 3' FROM SUPPLY REGISTERS OF A RECEPTACLE, VERIFY LO E14 ALL SINGLE-FAMILY RESIDENCES THAT INCLUDE ONE OR TWO HEATING /COOLING SYSTEM FIELD. DUCT SYSTEMS ARE SIZED, DESIGNED AND CARBON MONOXIDE ALARM PERMANENTLY DWELLING UNITS SHALL MEET THE FOLLOWING ENERGY SPECIAL PURPOSE CON EQUIPMENT IS SELECTED USING THE FOLLOWING RE REQUIRED TO BE HIGH WIRED WITH BATTERY BACKUP PER SECTION (VOLTAGE SHALL MATCH STORAGE SYSTEMS (ESS) READY REQUIREMENTS. ALL COMBINATION METHODS .: R315. ALARMS SHALL BE INTERCONNECTED IN APPLIANCE REQ.) ELECTRICAL COMPONENTS SHALL BE INSTALLED IN 1. ESTABLISH HEAT LOSS AND HEAT GAIN VALUES SUCH A MANNER THAT THE ACTUATION OF ONE ACCORDANCE WITH THE CEC. SEE SHEET G0.2, ELECTRIC ACCORDING TO ANSI/ ACCA 2 MANUAL J-2011 OR SUB PANEL ALARM WILL ACTIVATE ALL O F THE ALARMS IN R HVAC UNIT READY 150.0(s) FOR REQUIREMENTS EQUIVALENT. CEPTACLES GFCI PROTECTED E15 SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE 2. SIZE DUCT SYSTEMS ACCORDING TOASHARE STANDARD 62.2 TABLE 7.1 PROVIDED ON THIS SHEET NSTALLATION OF A SYSTEM ISOLATION Table 7.1 Prescriptive Duct Sizing Requirement . SELECT HEATING AND COOLING EQUIPMENT EQUIPMENT/TRANSFER SWITCH WITHIN 3FT OF THE MAIN ACCORDING TO ANSI/ ACCA 3 MANUAL S-2014 OR END TO EXISTING PANEL-PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN 100 125 50 80 fm @ 0 EQUIVALENT . UNDER GROUND WITH AWG THE PANELBOARD & THE SYSTEM ISOLATION R CEC 250.4 EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE \_\_\_\_ſ RETURN AIR GRILLE, WALL MOUNTED CONNECTION OF BACKUP POWER SOURCE. SUPPLY AIR DIFFUSER, WALL MOUNTED E16 LIGHTS OVER TUBS AND SHOWERS ARE TO BE MARKED FOR SYSTEM PER CEC 250.4 AMP/WET LOCATIONS WHERE SUBJECT TO SHOWER SPRAY

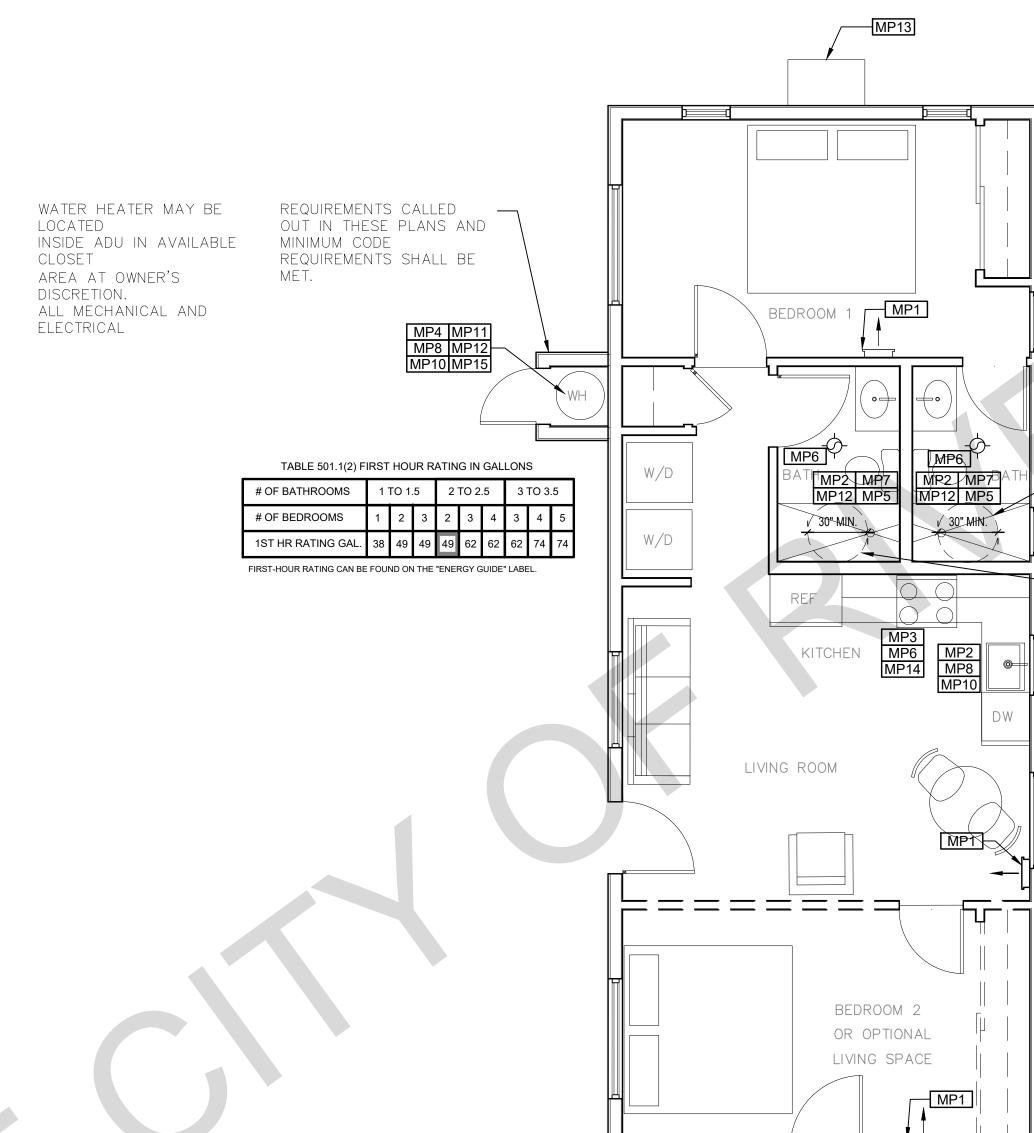
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HOSE BIB

o limit on duct length of this si

ot allowed, any length of duct of this size with assumed turns, elbows, fittings will exceed the rat





SHOWER FLOOR AREA: 1,700 IN <sup>2</sup>
SHOWER FLOOR AREA: 1,767 IN <sup>2</sup>
+
HOSE BIB

		SWI	TCHING	LIGH	ITING
CEPTACLE DUPLEX U.(	D.N.	\$	SWITCH, MOUNT AT 43" AFF	$\mathbb{R}_{D}$	CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB
V		\$ <sub>3</sub> \$ <sub>4</sub>	THREE-WAY SWITCH FOUR-WAY SWITCH	$\mathbb{R}_{\mathrm{zc}}$	CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB
110 V		\$ <sub>D</sub> \$ <sub>C</sub>	DIMMER SWITCH MOUNT 6" ABV COUNTER	$\mathbb{R}_{_{_{WR}}}$	CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB
ABV COUN	ITER	\$ MISC	OCCUPANCY/VACANCY SENSOR	$\mathbb{R}_{\rm VS}$	CEILING, RECESSED, LED BULB WITH OCCUPANT OR VACANCY SENSOR
R 84" AFF			CEILING FAN/LIGHT COMBO	Ю	WALL MOUNTED LIGHT
		$\langle \vee \rangle$		$(\mathbf{J})$	JUNCTION BOX FLUSH CEILING MOUNTED
OUTLET		(	CIRCUIT WIRING	-Õ <sub>uc</sub>	UNDER COUNTER LIGHTING
EX			DOOR BELL	(B <sub>LV</sub>	LOW VOLTAGE, LANDSCAPE LIGHT
	N	I	BUTTON	-	FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)
	BATH	ROOM	EXHAUST FAN REQUIR	EMEN	TS: PER CGBC 4.506.1-
	FANS SI UNLESS CONTRO BETWEI UTILIZE	HALL BE S FUNCTI OLLED B EN A REL MANUAL	ENERGY STAR COMPLIANT A ONING AS A COMPONENT OF Y A HUMIDITY CONTROL. A. H ATIVE HUMIDITY RANGE OF < OR AUTOMATIC MEANS OF A	ND BE D A WHOL UMIDITY = 50 %</td <td>TED AND SHALL COMPLY WITH THE FOLLOWING: 1. UCTED TO TERMINATE OUTSIDE THE BUILDING. 2. E HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLS SHALL BE CAPABLE OF ADJUSTMENT TO A MAXIMUM OF 80 %. A HUMIDITY CONTROL MAY IENT. B. A HUMIDITY CONTROL MAY BE A SEPARATE D TO BE INTEGRAL(I.E. BUILT IN)</td>	TED AND SHALL COMPLY WITH THE FOLLOWING: 1. UCTED TO TERMINATE OUTSIDE THE BUILDING. 2. E HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLS SHALL BE CAPABLE OF ADJUSTMENT TO A MAXIMUM OF 80 %. A HUMIDITY CONTROL MAY IENT. B. A HUMIDITY CONTROL MAY BE A SEPARATE D TO BE INTEGRAL(I.E. BUILT IN)
			ENERGY LIGHTING REC		
	*IN THE	KITCHEI			AGE RATING OF THE FIXTURES MUST BE HIGH
		OOMS, C			ROOMS AND WALK-IN CLOSETS, AT LEAST ONE I OCCUPANCY OR VACANCY SENSOR PROVIDING

AUTOMATIC-OFF FUNCTIONALITY. \*ALL THROUGHOUT THE RESIDENCE, INCLUDING THE GARAGE AND EXTERIOR, SHALL BE HIGH FFFICACY

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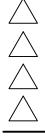
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project

City of Riverside Pre-Approved ADU Program

revisions  $\bigtriangleup$ 



## description Mechanical/ Electrical/ Plumbing

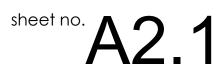
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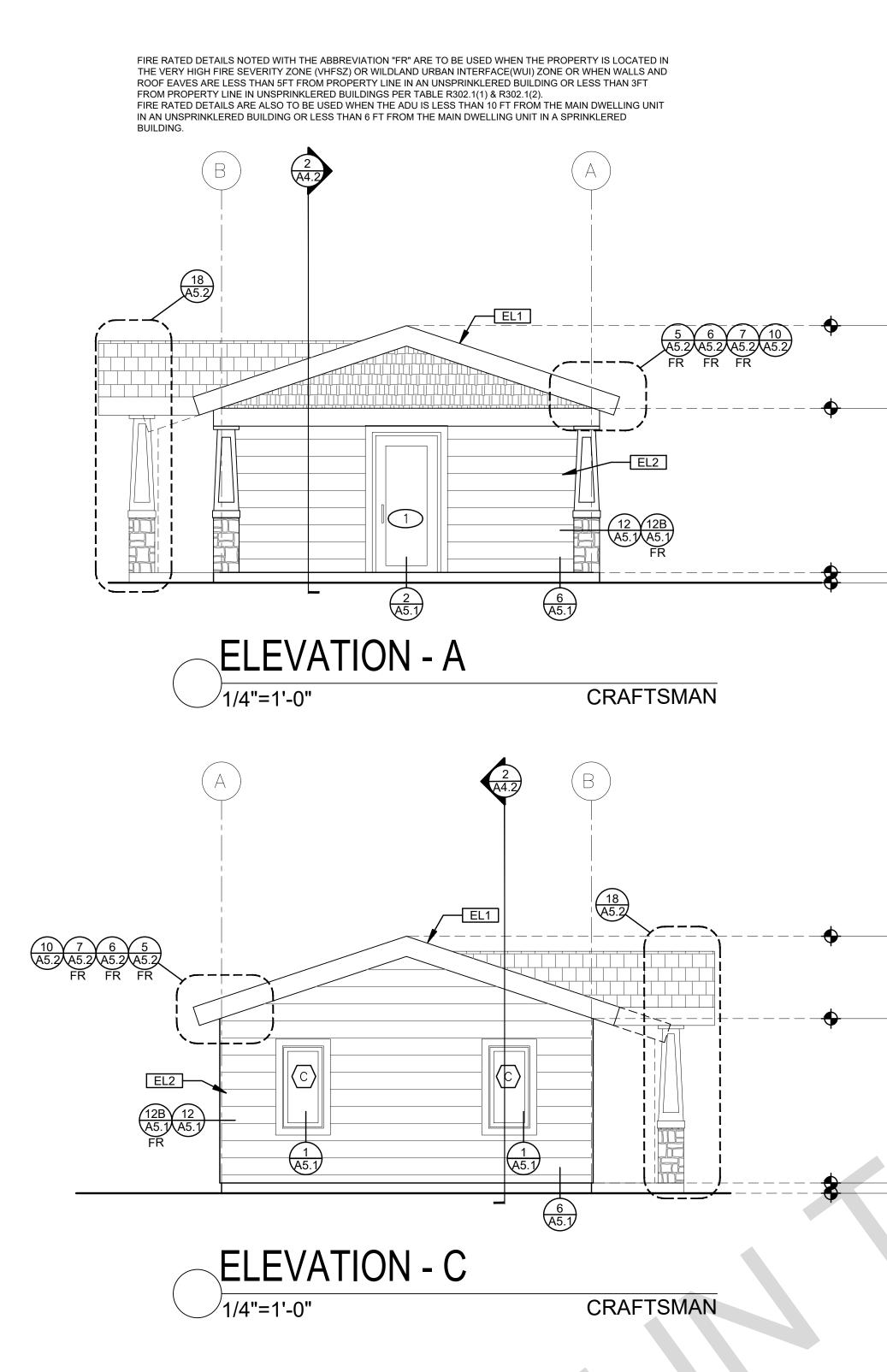
project no. Riverside ADU

drawn by

October 2023

DESIGN PATH STUDIO





## **ELEVATION KEYNOTES**

- EL1 MINIMUM CLASS A ROOF ASSEMBLY SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS
- EL2 SIDING
- EL3 STUCCO
- EL4 STONE VENEER
- EL5 HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND PROPOSED GRADES
- EL6 DRYER VENT TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

## **ELEVATION GENERAL NOTES**

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

3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

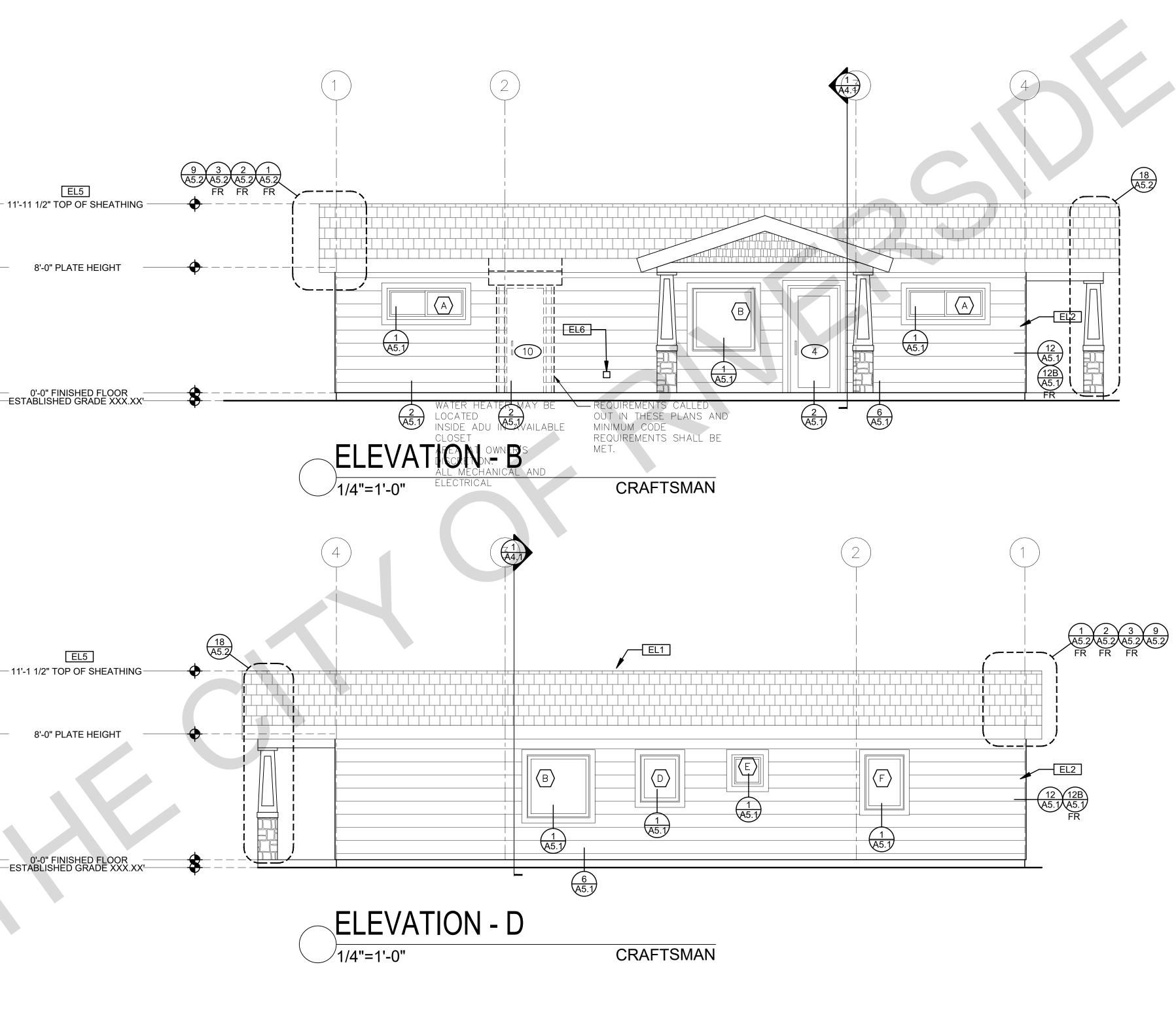
4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS

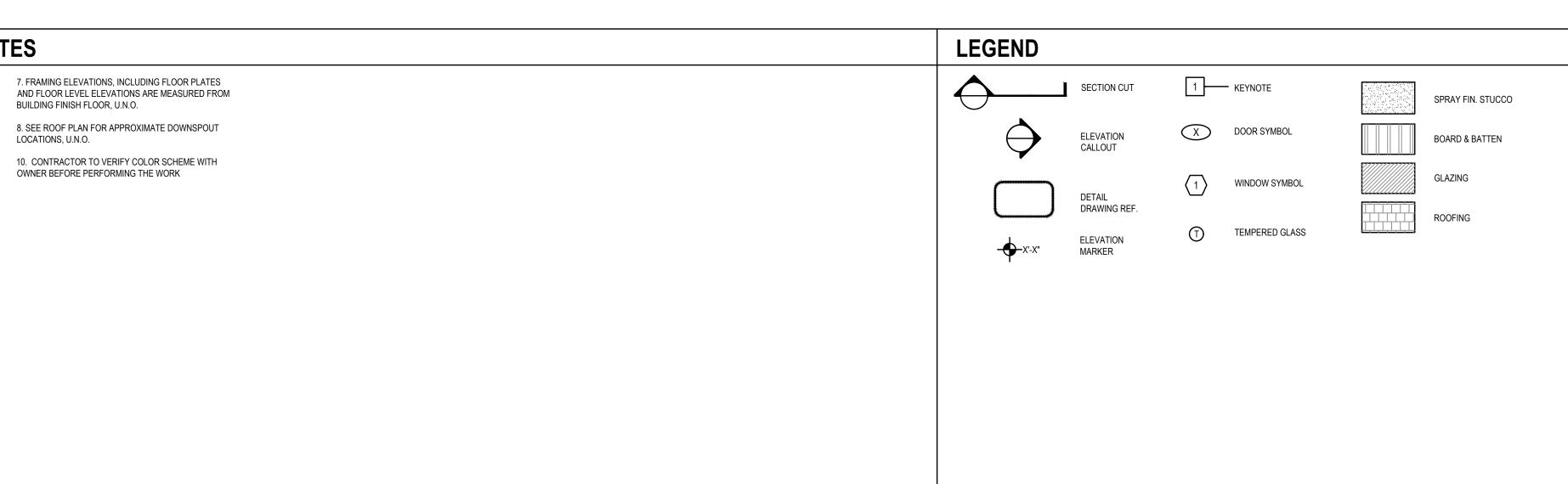
### 5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS

6. LATH & PLASTER

A. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURES, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL. B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREEDS AND ACCESSORIES ARE TO BE GALVANIZED.PROVIDE CASING BEADS AT ALL JOINTS OF STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE

NOTED C. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS ARE TO CONSIST OF A SCRATCH (3/8" AND A TWO COAT FINISH (1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNIA LATHING AND PLASTERING CONTRACTORS ASSOCIATION.





PATH STUDIO	engineering + planning	DESIGNPATHSTUDIO.COM
DESIGN	architecture +	DESIGN

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project

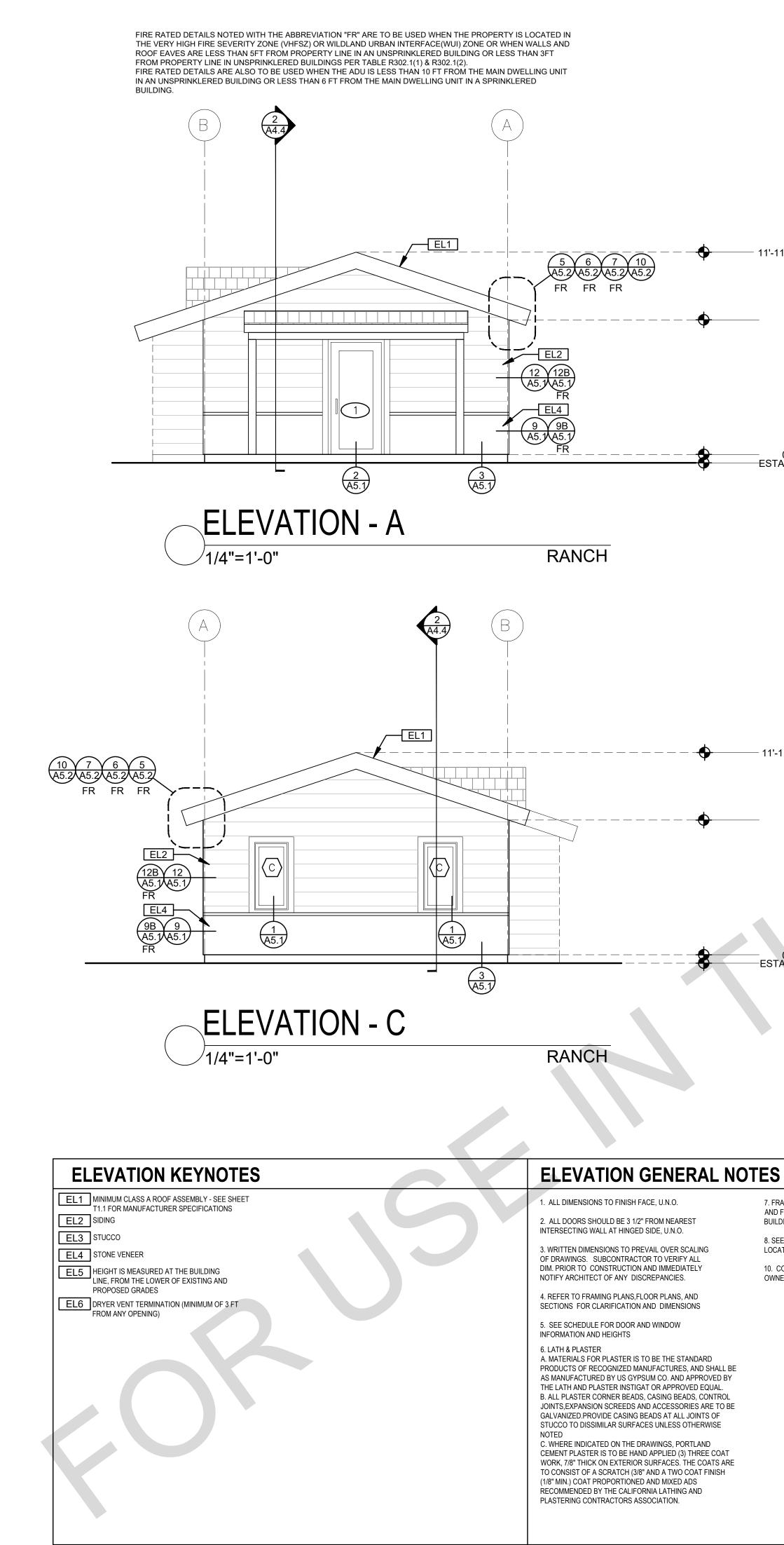
City of Riverside Pre-Approved

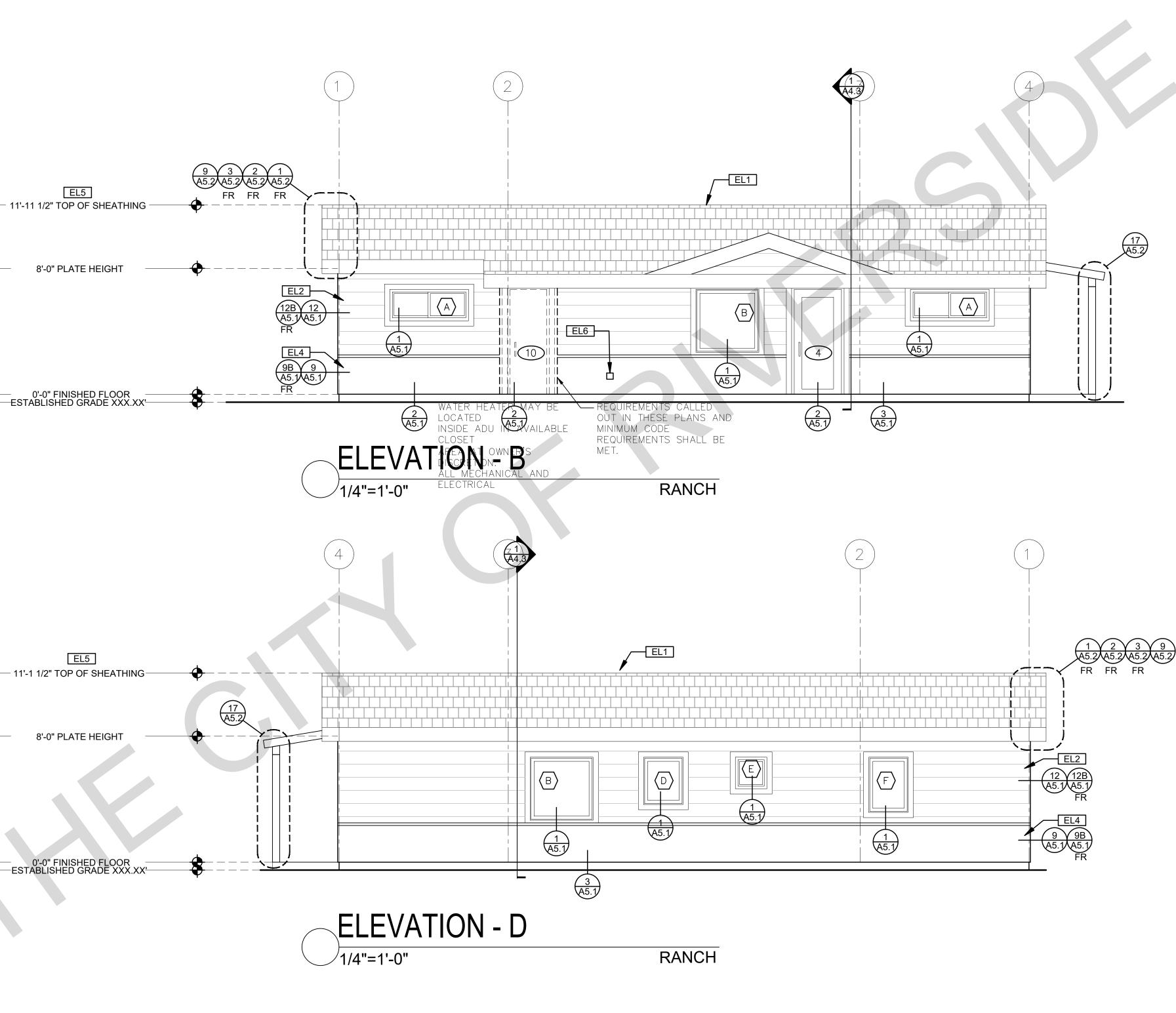
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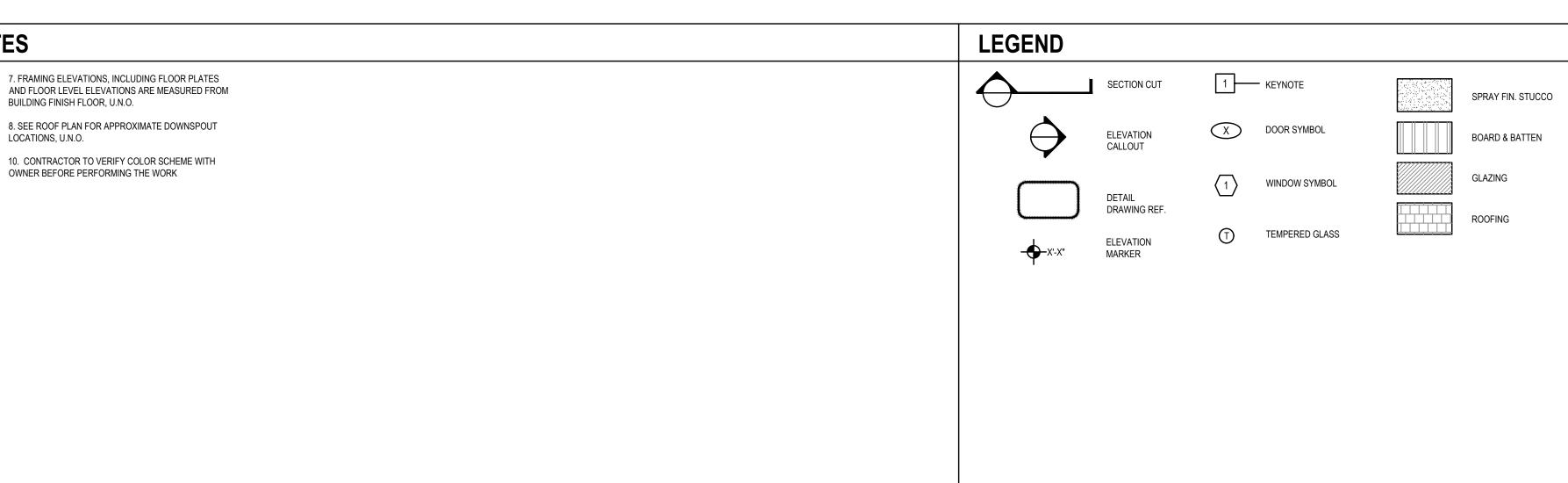
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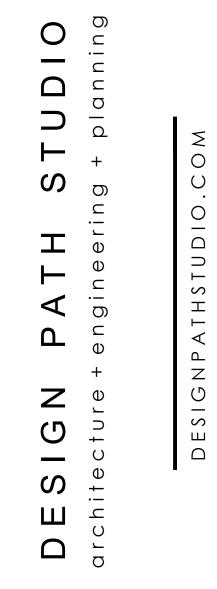
Exterior

Elevations Craftsman date October 2023 project no. Riverside ADU DESIGN PATH STUDIO drawn by sheet no. A3.









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project

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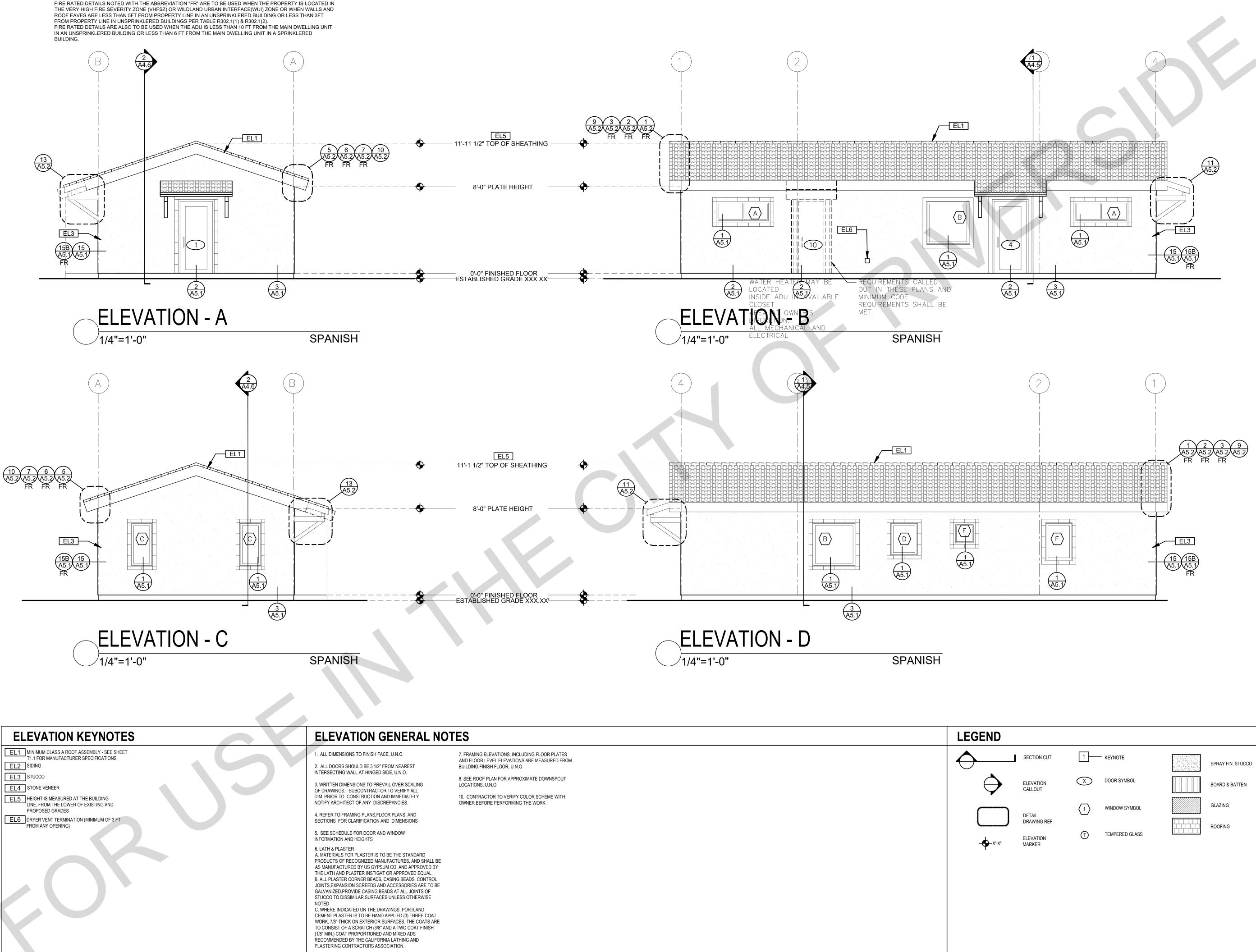
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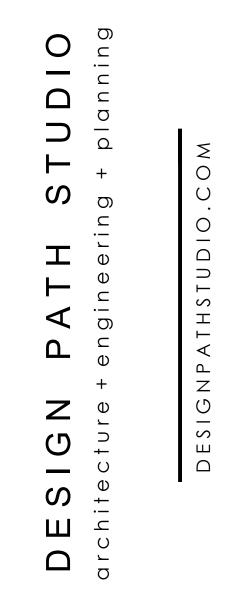
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description

Exterior Elevations Ranch

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





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project

City of Riverside Pre-Approved

ADU Program

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description

Elevations

project no. Riverside ADU

sheet no. A3.3

October 2023

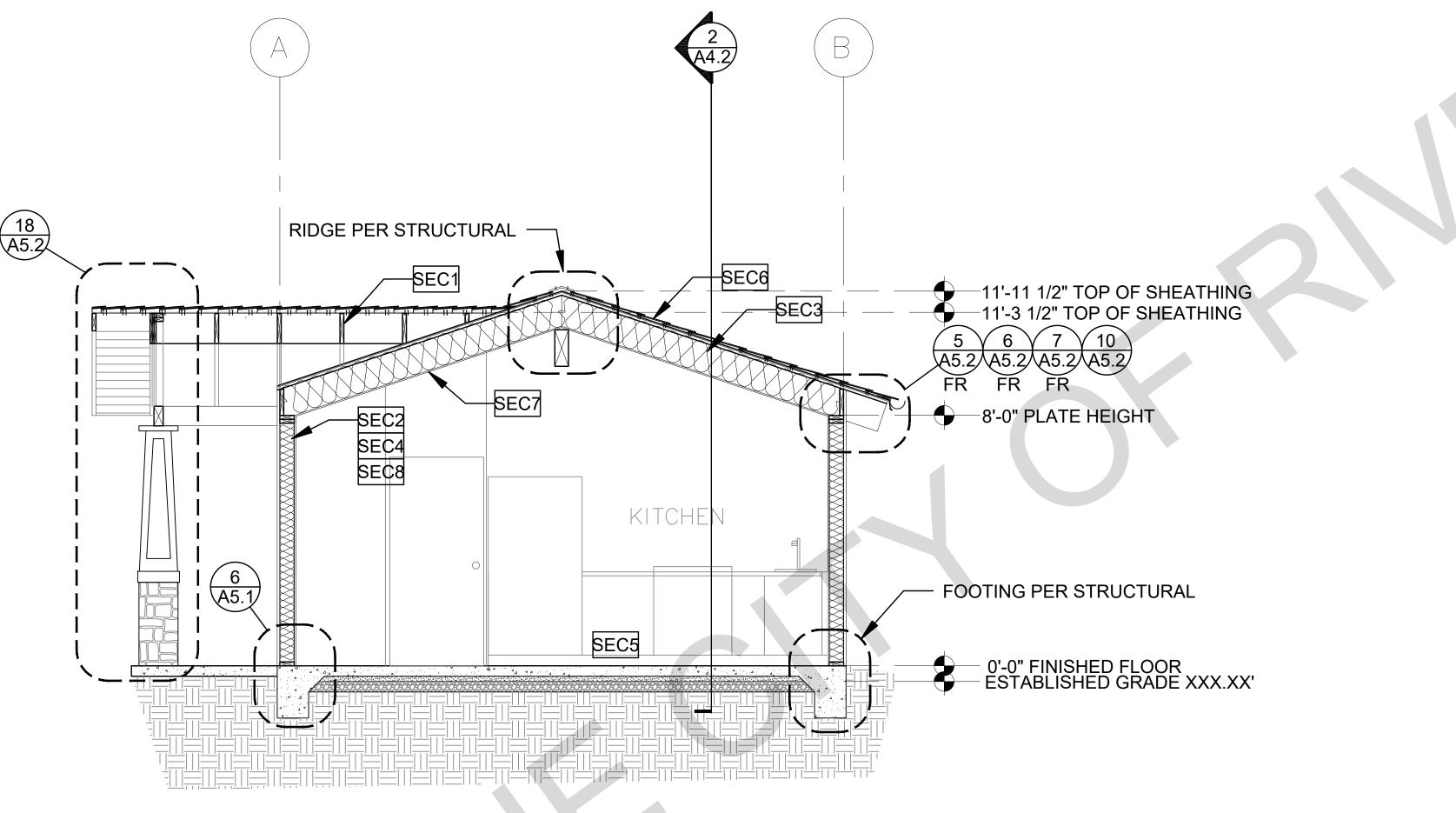
DESIGN PATH STUDIO

Spanish

Exterior

date

drawn by



/3/8"=1'-0"

## **SECTION KEYNOTES**

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 IS TO BE GALVANIZED. STEEL IS TO BE

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.

ASTM A3.

STAPLES ARE NOT PERMITTED 5. INSULATION



CRAFTSMAN

- 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. 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 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

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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 CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC 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 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL NUMBER

- 2.TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS
- 3. THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD
- STRUCTURAL PANELS 4. THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH
- JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5.ONE-HALF-INCH GYPSUM BOARD
- 6.ONE-FOURTH-INCH CEMENT-BASED MILLBOARD 7.BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A
- MANNER AS TO BE SECURELY RETAINED IN PLACE 8.CELLULOSE INSULATION INSTALLED AS TESTED IN

ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION

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LEGEND

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ELEVATION

CALLOUT

DETAIL

DRAWING REF.

ELEVATION

MARKER

Building Sections Craftsman		
date	October 2023	
project no.	Riverside ADU	
drawn by	DESIGN PATH STUDIO	
sheet no. A4.1		

# description

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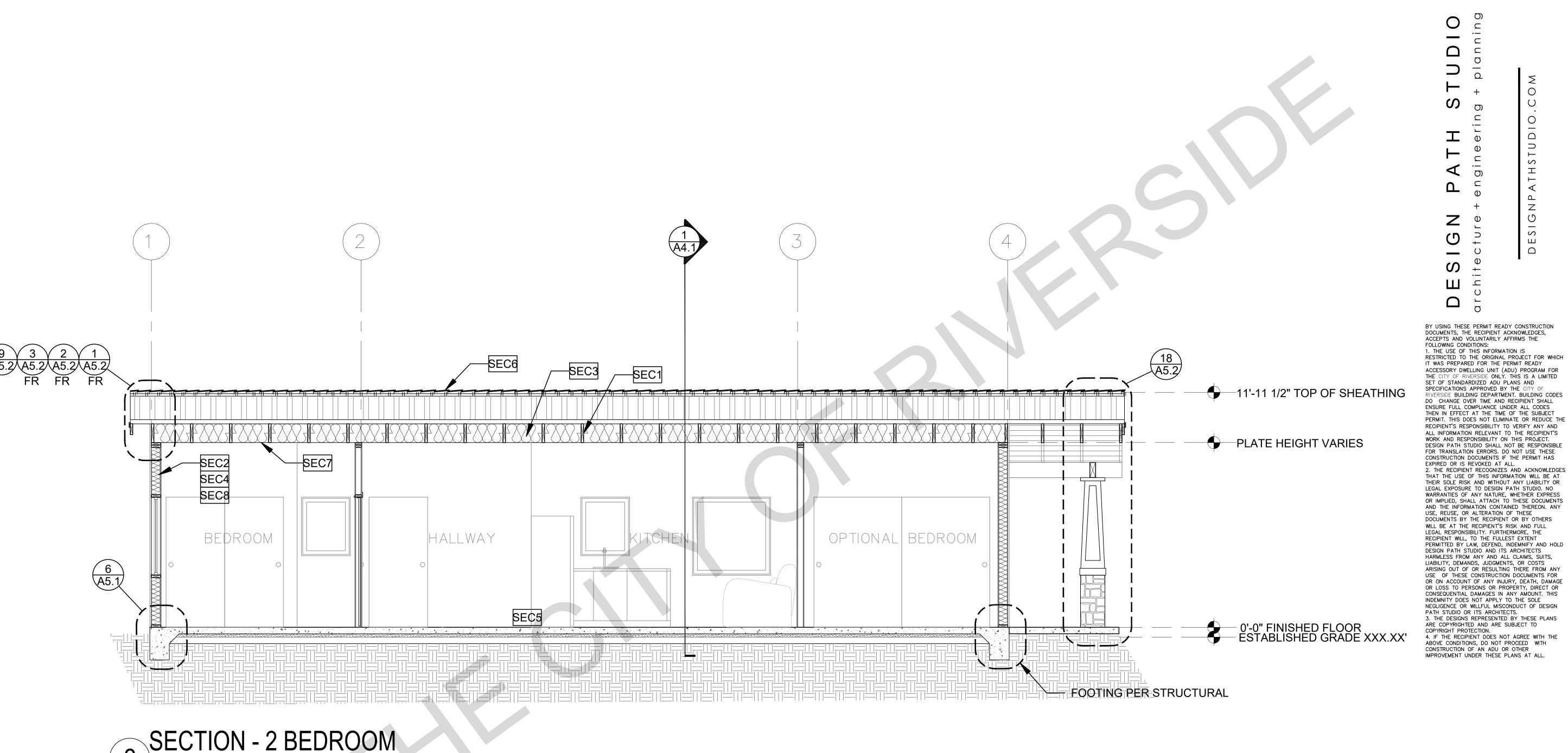
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SEC1	RAFTERS PER PLAN SEE STRUCTURAL
SEC2	2X STUDS @ 16" O.C SEE STRUCTURAL
SEC3	CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS
SEC4	WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS
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ASTM A3.

STAPLES ARE NOT PERMITTED 5. INSULATION

## CRAFTSMAN

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- 3.THE THICKNESS OF 0.719-IN PANELS WITH JOINTS BACKE
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- 6.ONE-FOURTH-INCH CEMENT-7.BATTS OR BLANKETS OF MIN OR OTHER APPROVED MATE
- MANNER AS TO BE SECURE 8.CELLULOSE INSULATION IN
- ACCORDANCE WITH ASTM I SPECIFIC APPLICATION

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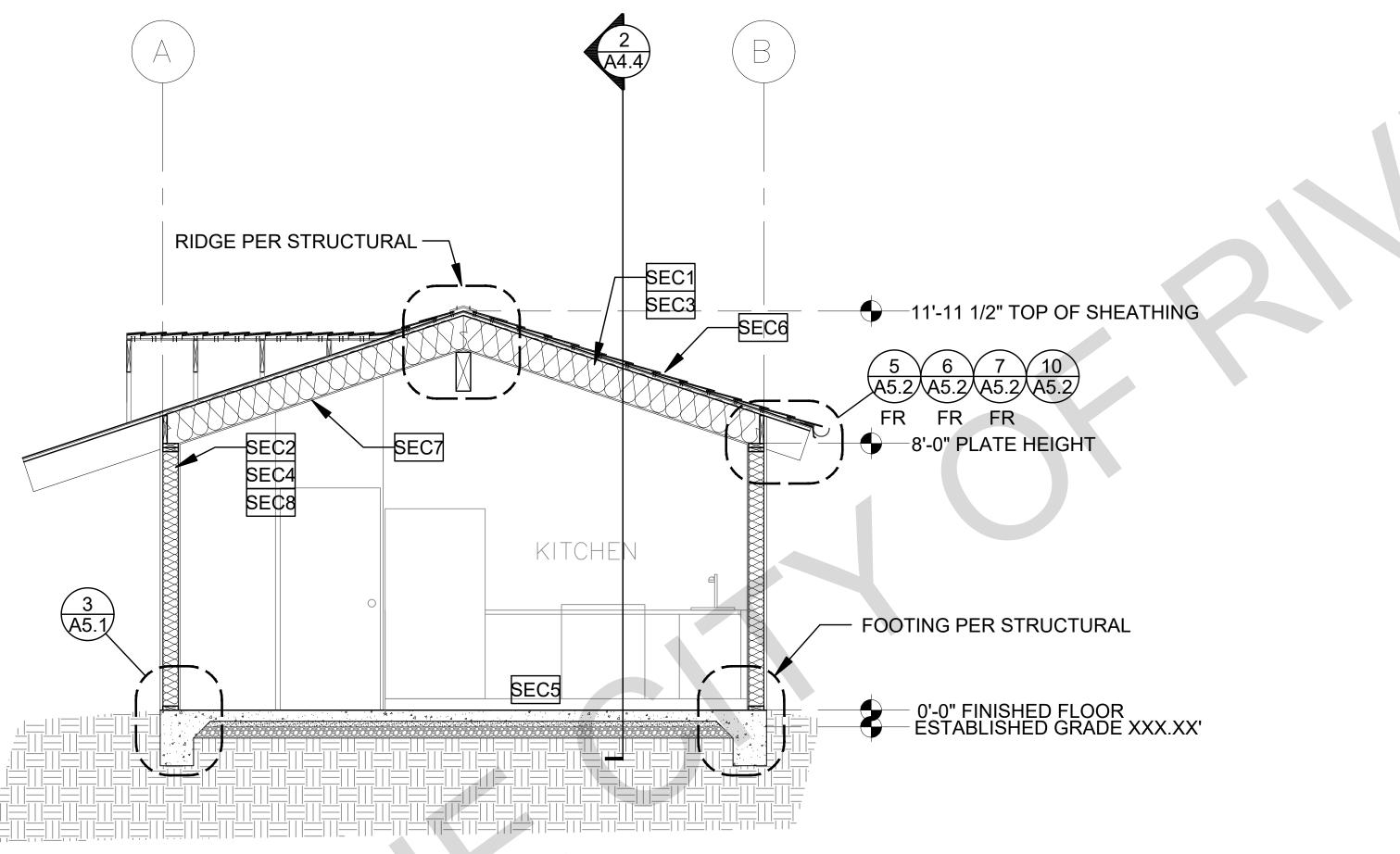
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City of Riverside Pre-Approved ADU Program

# drawn by DESIGN PATH STUDIO



/3/8"=1'-0"

## **SECTION KEYNOTES**

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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ASTM A3.

STAPLES ARE NOT PERMITTED 5. INSULATION BED/BATHROOMS INSULATION IS TO

# SECTION - 2 BEDROOM

RANCH

- 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

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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

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ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

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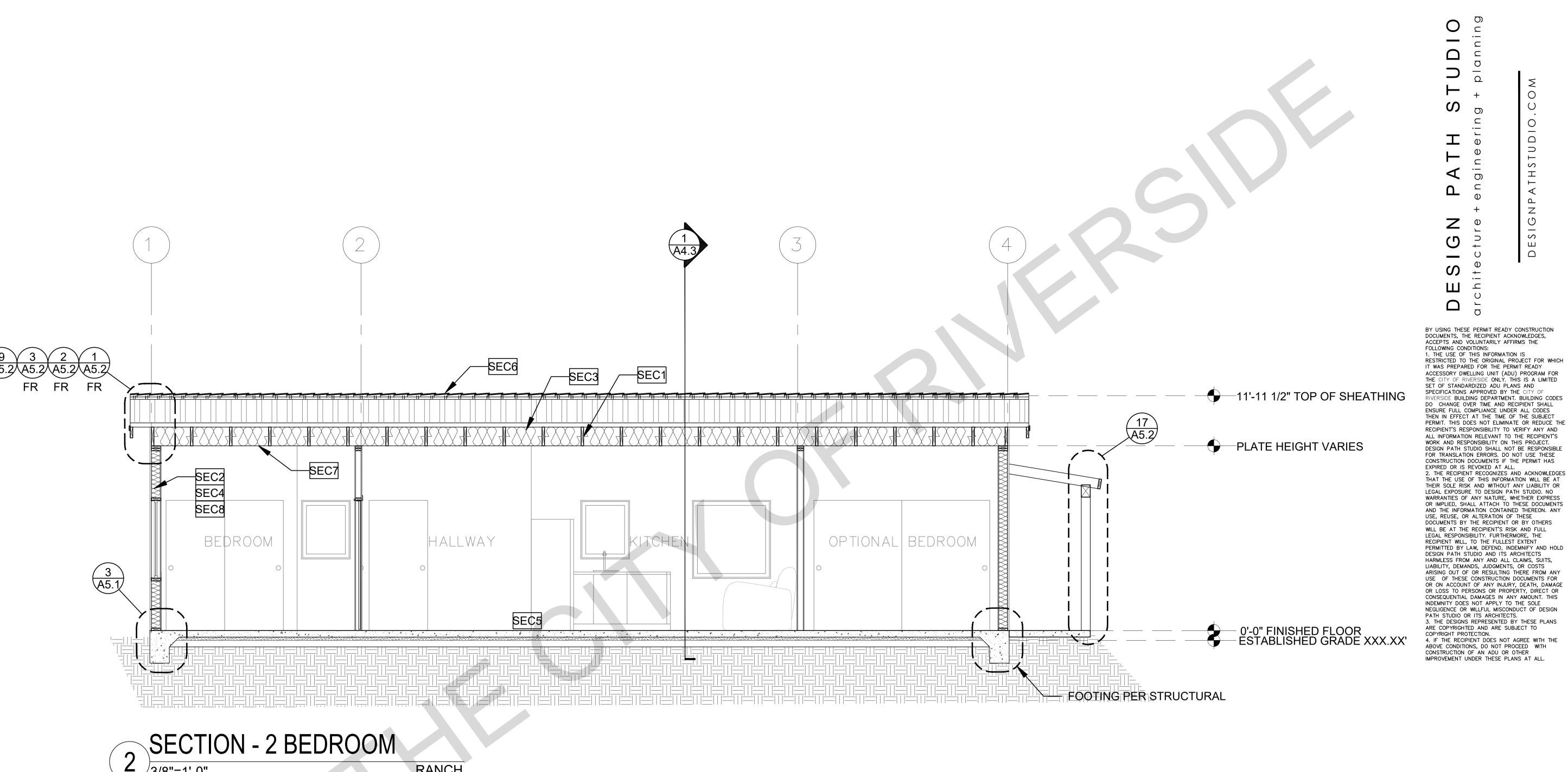
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FOLLOWING CONDITIONS:

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SEC1	RAFTERS PER PLAN SEE STRUCTURAL
SEC2	2X STUDS @ 16" O.C SEE STRUCTURAL
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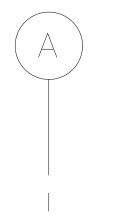
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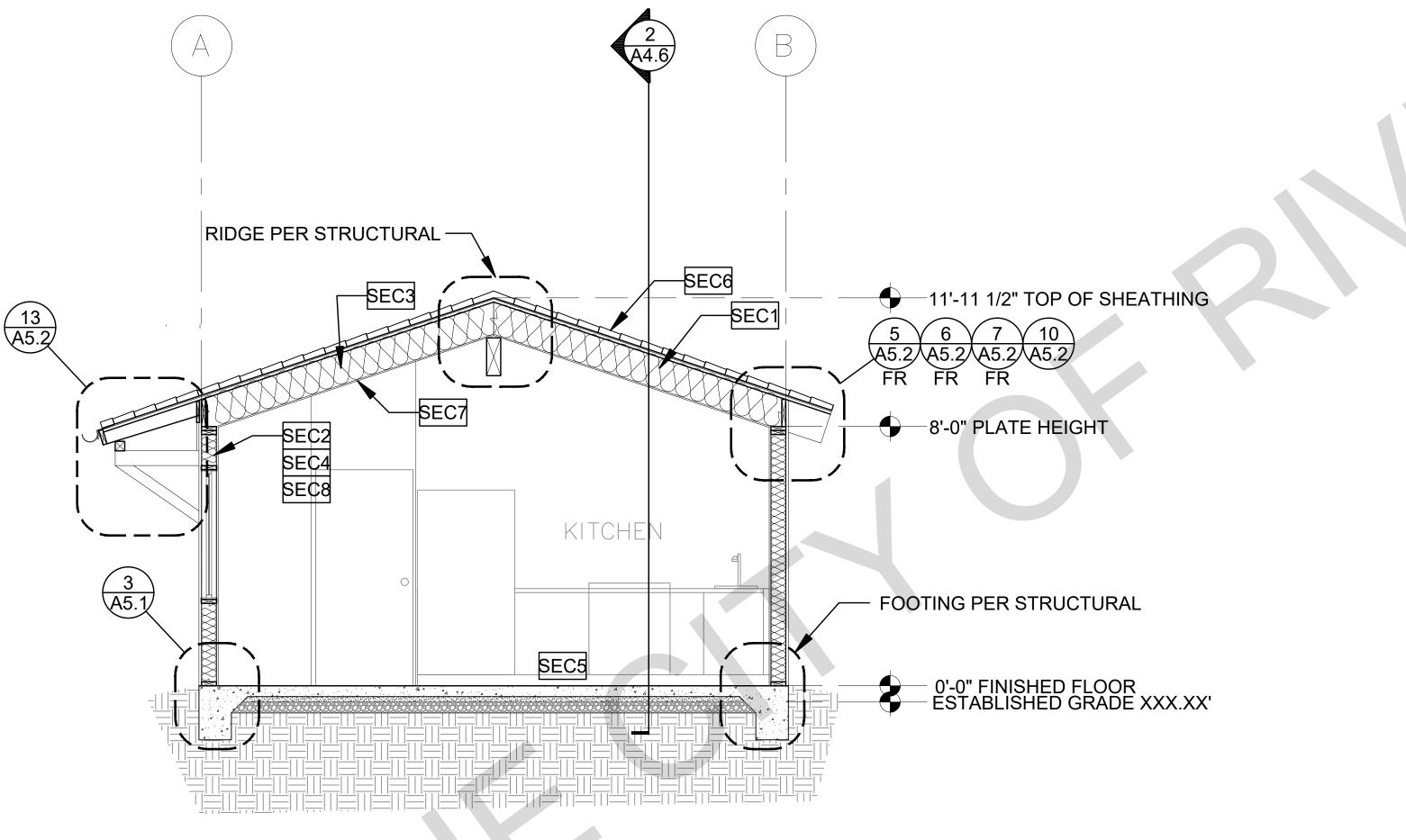
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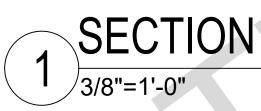
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ASTM A3.

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# SECTION - 2 BEDROOM

SPANISH

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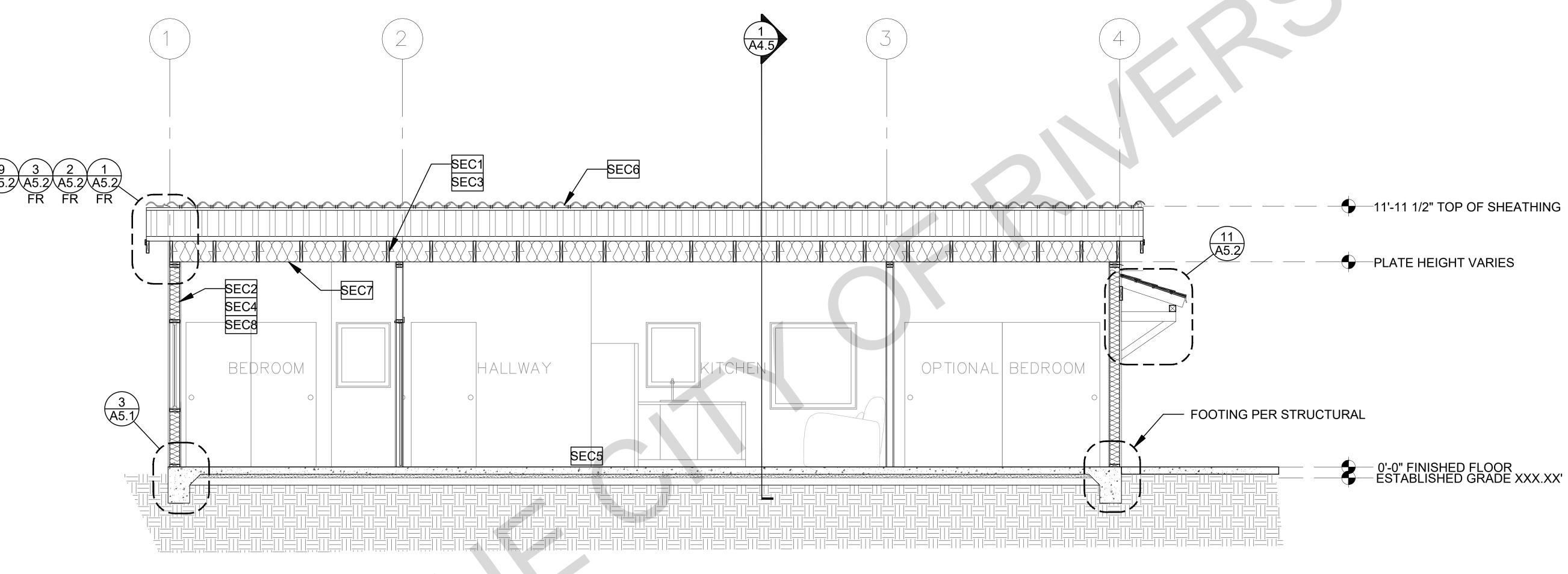
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ALL NAILS, FASTENERS AND HARDWARE MUST BE
TO MAKE A CONDUCT TO MAKE A COMPLETE INSTILLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE

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.

ASTM A3.

5. INSULATION

SPANISH

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 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 CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC 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 - FIREBLOC CONSIST OF FOLLOWING MATERIA 1. TWO-INCH NOMINAL NUMB

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

SPECIFIC APPLICATION

	LEGEND
CKING MATERIALS SHALL IALS: BER INCH NOMINAL LUMBER WITH	SECTION CUT
INCH WOOD STRUCTURAL KED BY 0.719-INCH WOOD	ELEVATION CALLOUT
NCH PARTICLE BOARD WITH NCH PARTICLE BOARD BOARD NT-BASED MILLBOARD MINERAL WOOL, MINERAL FIBER NTERIAL INSTALLED IN SUCH A	DETAIL DRAWING REF.
RELY RETAINED IN PLACE NSTALLED AS TESTED IN /I E119 OR UL 263, FOR THE	

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City of Riverside Pre-Approved ADU Program

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OR LOSS TO PERSONS OR PROPERTY, DIRECT OR

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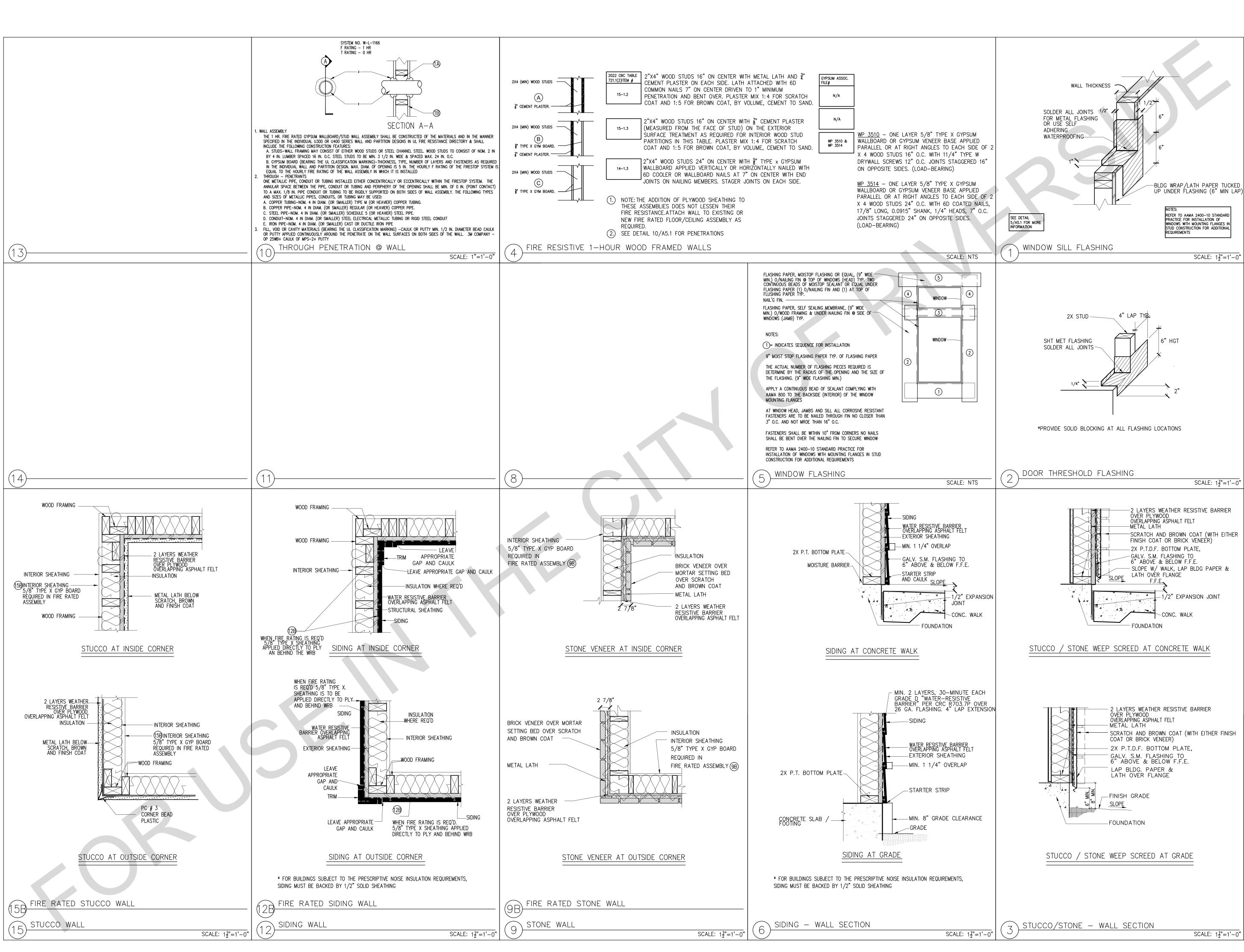
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CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS.



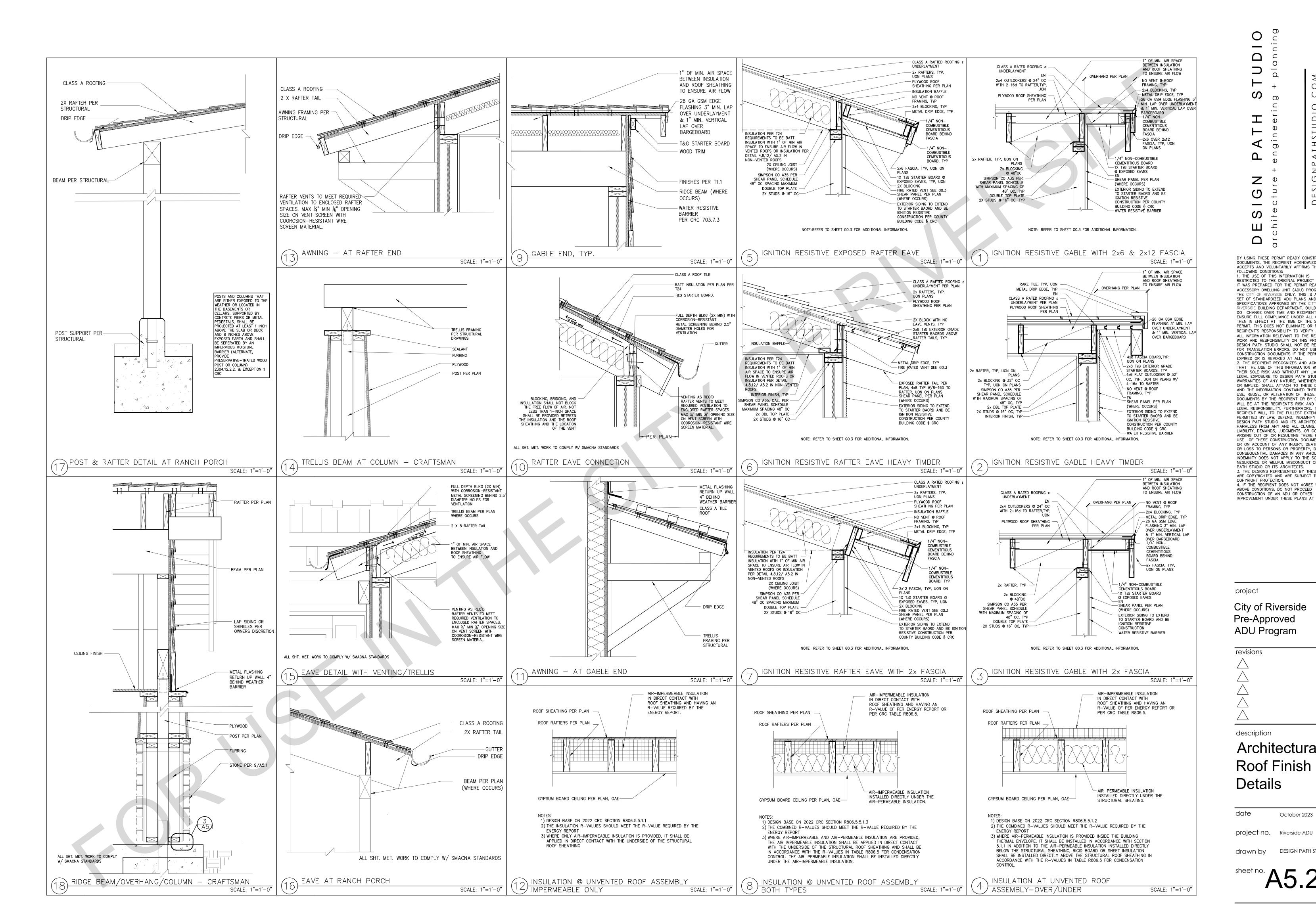
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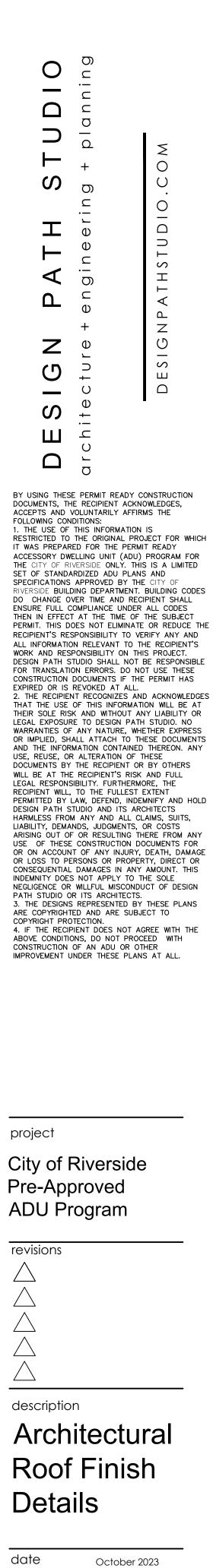
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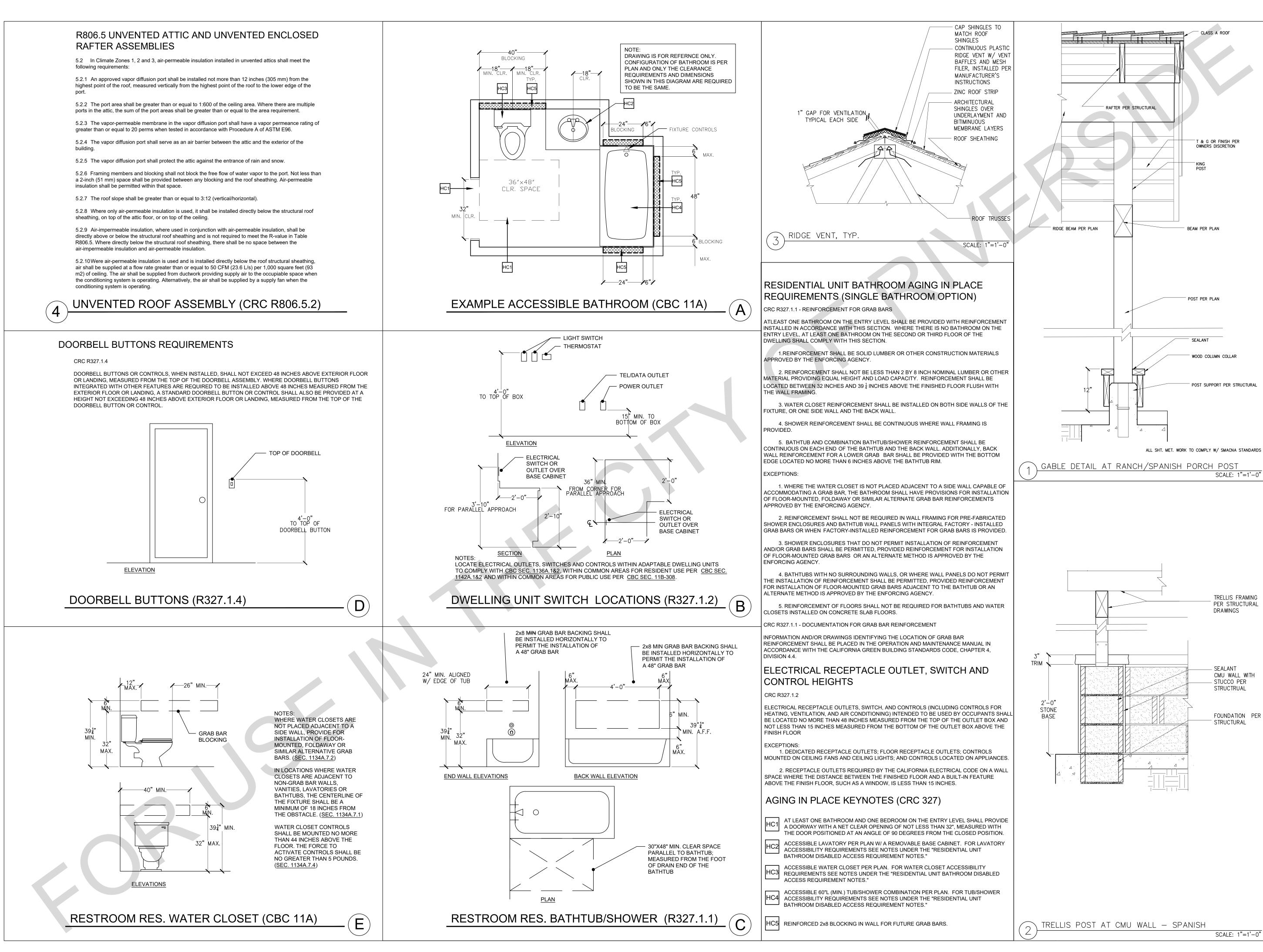
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BY USING THESE PERMIT REA DOCUMENTS, THE RECIPIENT ACCEPTS AND VOLUNTARILY FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMA RESTRICTED TO THE ORIGINAI IT WAS PREPARED FOR THE ACCESSORY DWELLING UNIT ( THE CITY OF RIVERSIDE ONLY SET OF STANDARDIZED 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.		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 staples
201. CONCRETE STRENGTH SHALL BE NO LESS THAN 2,500 PSI @ 28 DAYS, OR HIGHER STRENGTH IF NOTED ON THE PLANS.	ROOF TO WALL: CONNECT ROOF FRAMING TO TOP PLATE W/ SIMPSON H1 @ 24" O/C OR A35 OR RBC @ 24" O/C OR PER SHEAR TRANSFER DETAILS.	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
<ul> <li>200. Reining Britter in the being being being britter bri</li></ul>	BOLTS. AT INTERIOR NON-SHEAR CONDITIONS, 0.145 SHOT PIN ANCHORS @ 32" O/C MAY BE USED TO CONNECT PARTITIONS AND BEARING WALLS TO SLAB.	BEAM OR JOIST SIMPSON/USP HANGER I-JOIST FLOOR JOISTS IUS, IUT, OR ITT HANGERS 1.75 X LSL AND LVL HU, HUS, OR WPU	COLLAR TIE TO RAFTER, F.N.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
	307. ALL WOOD SILL PLATES AND ALL WOOD MEMBERS DIRECTLY AGAINST CONCRETE OR	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           ENDNAIL         2-16d Com, 3-16d box, 3-10d box, 3-3" x 0.131" nails, 3-3" 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 WASHER MAY BE DIAGONALLY SLOTTED (WIDTH >= BOLT DIAMETER + $\frac{3}{16}$ ", LENGTH<= $1\frac{3}{4}$ ")	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	STUD 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
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 THE CALLOUT MAY READ HGUS12. AN HGUS2.75/12 OR HGUS412 (WITH FILLERS)	CONT. HEADER TO STUD, T.N. 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
$206$ . EMBEDDED SILL ANCHOR BOLTS AT TYPICAL NON-SHEARWALL CONDITIONS SHALL BE $\frac{5}{8}$ " DIA. MIN. ANCHOR BOLTS WITH A STANDARD CUT WASHER. SPACING SHALL NOT	ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH ACQ-C, ACQ-D, CA-B, AND CBA-A WITHOUT AMMONIA SHALL BE GALVANIZED PER	ARE APPLICABLE. WHERE HANGERS OFFER (MIN) OR (MAX), NAIL TO APPLY (MAX) LOADS.	TOP PLATE TO TOP PLATE, AT END JOINTS (EACH SIDE OF END JOINT), FACENAIL24" MIN LAP SPLICE EA. SIDE8-16d 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	ASTM A153.	323. WHERE SHEARWALL LENGTHS ARE SPECIFIED ON THE PLANS, THE LENGTH SHOWN IS A MINIMUM DIMENSION. THE SHEARWALL MAY BE LENGTHENED FOR CONSTRUCTION	BOTTOM PLATE TO JOIST, RIM, OR BLKG, FACENAIL
LESS THAN 4" FROM ENDS AND SPLICES. EACH SILL SHALL HAVE (2) SILL BOLTS MIN.	ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH	PURPOSES, BUT SHALL NOT BE REDUCED UNLESS OTHERWISE NOTED. ALL ENGINEERED	UNBRACED WALL: 16" o.c. FN 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.	ACQ-C, ACQ-D, CA-B, AND CBA-A WITH AMMONIA SHALL BE TYPE 303, 304, 305, OR 316 STAINLESS STEEL.	WOOD PANEL SHEAR (PLYWOOD OR OSB) SHALL BE BLOCKED. <sup>324.</sup> 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
	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	STUD TO TOP OR BOTTOM PLATE 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	ENDNAIL3-16d Box, 2-16d Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staplesTOP PLATES LAPS AT CORNERS AND INTERSECTION E N2-16d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples
209. ALL HOLDOWNS SHALL BE PLACED A MINIMUM DIM AS SHOWN IN DETAIL 3&4/S4 FROM EXTERIOR CORNER OF SLAB.	TYPE 303, 304, 305, OR 316 STAINLESS STEEL.	LESS THAN 64 SQ. INCHES (ONE HOLE PER 4' OF SHEARWALL.) C) APPROXIMATELY SQUARE HOLES, LESS THAN 64 SQ. INCHES (ONE HOLE PER 8' OF	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
	309. RE-TIGHTEN ALL HOLDOWN ANCHORS JUST PRIOR TO COVERING THE WALL FRAMING.	SHEARWALL) WITH ALL EDGES BLOCKED & EDGE NAILED. D) HOLES INDIVIDUALLY APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD.	1"x6" SHEATHING TO EACH BEARING, F.N.3-8d Box, 2-1.75" 16 Gage staples, 2-8d Com, 2-10d Box1"x8" SHEATHING AND WIDER TO EACH BEARING, F.N.4-8d box, 4-1.75" 16 Gage staples, 3-8d Com, 3-10d Box
210. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY HOMEOWNER AND	310. ENGINEERED BEAMS ARE AS FOLLOWS:	325. STUDS SHALL BE SPACED @ 16" O/C MAX. UNLESS OTHERWISE SPECIFIED. USE STUD GRADE	JOIST 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
CITY OF RIVERSIDE OF ANY DISCREPANCY, TYPICAL.	"PSL" REFERS TO PARALLEL STRAND LUMBER (E=2.0, FB=2900). "LSL" REFERS TO LAMINATED STRAND LUMBER (E=1.55, FB=2325).	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 1"x6" SUBFLOOR OR LESS TO EACH JOIST, F.N. 2-1.75" Gage Staples, 2-8d Com, 3-10d Box
211. PROVIDE A UFER GROUND FOR ELECTRICAL SYSTEM PER ARTICLE 250.52 N.E.C.	(E=1.3 & FB=1700 AT LSL CONDITIONS WITH D (DEPTH) < 9") "LVL" REFERS TO LAMINATED VENEER LUMBER (E=2.0, FB=2800).	326. ALL FINISHES, WATERPROOFING, DRAINAGE, AND FIRE-RELATED ELEMENTS ARE BY THE ARCHITECT OF RECORD AND ARE REQUIRED EVEN THOUGH THEY MAY NOT BE SHOWN	2" SUBFLOOR TO JOIST OR GIRDER, F.N. or BLIND 3-16d Box, 2-16d Com 21 DI ANKS (DI ANK & DEAM, ELOOP & DOOE), FACENAL & FACILIDEADING
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.	ON THE STRUCTURAL PLANS AND DETAILS.	2" PLANKS (PLANK & BEAM - FLOOR & ROOF), FACENAIL & EACH BEARING 3-16d Box, 2-16d Com BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS
AMOUNT TO BE POURED.	"IJC" ENGINEERED GLU-LAM BEAM MAY BE USED UPON ENGINEER APPROVALS. 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: <u>MISPLACED HOLDOWN</u> <u>RETROFIT BOLT</u> <u>REPLACEMENT H</u> ARDWARE	311. LUMBER SPECIFICATIONS:	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 3-16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES
LSTHD8, HTT4 58 " ALL-THREAD, EMBED 9" HTT4 STHD10, STHD14, HTT5 58 " ALL-THREAD EMBED 9" HTT5	ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH. STUDS, PLATES & BLOCKING:	4. ICC-ES AND NER APPROVALS         400. PLYWOOD AND OSB PANELS:         FULL REPORTS FOUND AT:	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
LTT20B	2X4 FRAMING LUMBER NOT LISTED BELOW 92-1/4", 104-1/4", & 116-1/4" 2X4 STUDS STUD GRADE OR BETTER	APA PLYWOOD & OSBESR-2586 HTTP://WWW.ICC-ES.ORG	WOOD STRUCT. PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHTNG TO FRMG AND PARTICLEBOARD WALL SHEATHING TO FRAMING (IN) SUPPORTS (IN)
LTT20B $a$ TACH TO EXISTING A.B.LT120BHDU8 $\frac{7}{8}$ " ALL-THREAD, EMBED 15"HDU8	2X4 STUDS OVER 10' #2 OR BETTER	401. JOISTS AND RAFTERS AND BEAMS:	16d Com or deformed; or $2\frac{3}{8}$ "x.113" nail (subfloor and wall) 6 12 9d Com or deformed (react) or $2\frac{3}{8}$ "x.142" noil (react) 6 6
8 ALL-ITIKEAD, EMIDED 13	2X6 STUDS, SILLS, & PLATES #2 OR BETTER	TRUS-JOIST TJI JOISTS AND PSL, LSL, & LVLICC-ES ESR-1387, 1153, BOISE CASCADE BCI JOISTS, VERSA-LAM, & VERSA-STRANDICC-ESR-1040, 1336	$\frac{3}{8}$ "- $\frac{1}{2}$ " $\frac{8}{4}$ Com or deformed (roof) or $2\frac{3}{8}$ " x.113" nail (roof) $6^{\circ}$ $6^{\circ}$ $6^{\circ}$ $1\frac{3}{4}$ " 16 Ga Staple, $\frac{7}{16}$ " crown (subfloor and wall) $4_{f}$ $8_{f}$ FOOTNOTES:
214. RETROFIT $\frac{3}{4}$ " & $\frac{5}{8}$ " EMBEDDED ANCHOR BOLTS AS NOTED BELOW. AT EPOXY	4X4 STUDS & POSTSSTANDARD OR BETTER OR #14X6, 6X6, & LARGER STUDS & POSTS#1 OR BETTER	LOUISIANA PACIFIC JOISTS & BEAMSESR-1305, 2403 ROSEBURG JOISTS & BEAMSESR-1210, 1251	$2\frac{3}{4}$ " x.113"x.266" head nail (roof) $1\frac{3}{4}$ " 16 Ga Staple, $\frac{7}{16}$ " crown (roof) $3\frac{1}{4}$ " 16 Ga Staple, $\frac{7}{16}$ " crown (roof) $3\frac{1}{4}$ " crown (roof) $3\frac{1}{4}$ " crown (roof) $3\frac{1}{4}$ " crown (roof) $3\frac{1}{4}$ " crown (roof)
ANCHORS USE SIMPSON SET-XP EPOXY PER SIMPSON'S INSTALLATION REQUIREMENTS.	4X4, 4X6 BEAMS & HEADERS#2 OR BETTER4X8, 4X10, 4X12, 4X14 BEAMS & HEADERS#1 OR BETTER	GLU-LAM BEAMS ESR-1940	Bit Com or deformed (subfloor and wall)     6     12
SLAB EDGE, 1 3/4" DIST. SHEARWALL <sup>§</sup> " ALL-THREAD, EPOXY, EMBED 3" OD <sup>5</sup> " TITEN UD, EMBED 3" MIN	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) <sup>d</sup> 6 <sup>e</sup>
OR $\frac{5}{8}$ " TITEN HD, EMBED 3" MIN. INTERIOR > 6," EDGE DIST. SHEARWALL OR	6X6 & LARGER BEAM & HEADERS#1 OR BETTER2X10 AND LARGER RAFTERS AND JOISTS#1 OR BETTER	402. WOOD CONNECTORS: SIMPSON CONNECTORSICC-ES ESR #S 1161, 1622, 1866, 2105, 2203, 2236, 2320,	$\frac{7}{8}$ "-1 <sup>1</sup> / <sub>4</sub> " 10d Com or (3"x0.148"); or deformed (2 <sup>1</sup> / <sub>2</sub> x.131"x.281 head) 6 12 c. Where a rafter is fastened to an adjacent parallel ceiling joist in
NON-SHEAR $\frac{5}{8}$ " TITEN HD, EMBED 3" MIN.	312. HOLES, CUTOUTS, AND NOTCHES IN FRAMING MEMBERS:	2549, 2551, 2552, 2553, 2330, 2554, 2555, 2604, 2605, 2606, 2607, 2608,	accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the
ANY OTHER NON-SHEAR 0.145 DIA. SHOT PINS SPACED 4 INCHES	BY VIRTUE OF CODE COMPLIANCE WITH ELECTRICAL AND PLUMBING CODES, HOLES AND NOTCHES WILL INEVITABLY BE MADE IN FRAMING MEMBERS. THE CODE	2611, 2613, 2614, 2615, 2616, 2877, 2920, 3046 IAPMO ER-112, 130, 143, 192, 262	$\frac{1}{2}$ and
APART ON SILL. (2) FOR EACH MISSING ANCHOR BOLT. MAX. OF (6) SHOT PINS	RECOGNIZES AND APPROVES VARIOUS HOLES AND NOTCHES WITHOUT ENGINEERING JUSTIFICATION IN CBC SECTION 2308.8.2. ENGINEERED (PSL, LSL) RECTANGULAR	USP LUMBER CONNECTORSICC-ES ESR #S 1178, 1280, 1575, 1702, 1781, 1881, 1970, 2104, 2685, 1831, 1465, 2761, 2787, IAPMO ER-200	$\frac{2}{250}$ b $1\frac{3}{4}$ x0.120", galvanized roofing nail ( $\frac{7}{16}$ " head dia) or $1\frac{1}{2}$ " 16 Ga Staple w/ $\frac{7}{16}$ " or 1" crown 3 6
EVERY 6 FT.	LUMBER BEAMS BEHAVE LIKE ANY OTHER RECTANGULAR SHAPE WHEN NOTCHED OR	QUICK DRIVE WOOD SCREWSICC-ES ESR-1472	WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING sheathing attached to gable-end roof framing and to intermediate supports within 48 inches of roof edges and ridges, nails shall be
<sup>215.</sup> WHEN REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, HAVE CONTRACTOR DOCUMENTATION IN WRITING FOR THE FOLLOWING:	BORED, SO THE ENGINEER OR ARCHITECT MAY SPECIFY LIMITS WITHOUT MANUFACTURER APPROVAL OTHER HOLES AND NOTCHES ARE ALLOWED AS NOTED BELOW:	403. ADHESIVES & ANCHORS: SIMPSON EPOXY-TIE HIGH STRENGTH EPOXY (SET-XP)ICC-ES ESR-1772, 2508.	$\frac{3}{4}$ " & LESS 8d COMMON (2 $\frac{1}{2}$ "x0.131"); or deformed (2"x0.113"); or deformed (2"x0.120") 6 12 spaced at 4 inches on center where the ultimate design wind speed is greater than 130 mph in Exposure B or greater than 110 mph in
<ul> <li>A) THE PAD WAS PREPARED IN ACCORDANCE WITH THE SITE REQUIREMENTS AND CITY OF RIVERSIDE APPROVAL.</li> </ul>	PSL AND LVL BEAMS: A HOLE 1 INCH IN DIAMETER CAN BE DRILLED ANYWHERE,	SIMPSON WEDGE-ALL (WA) WEDGE ANCHORSICC-ES ES-1771 SIMPSON TITEN HDICC-ESR-1056. 2713	$\begin{bmatrix} \frac{7}{8} - 1^{"} \\ 1\frac{1}{8} - 1\frac{1}{4} \end{bmatrix}$ 8d COMMON (2 $\frac{1}{2}$ "x0.131"); or deformed (2"x0.113"); or deformed (2"x0.120") 1d COMMON (3"x0.148"); or deformed (2 $\frac{1}{2}$ "x0.131"); or deformed (2 $\frac{1}{2}$ "x0.120") 6 12 Exposure C. Spacing exceeding 6 inches on center at intermediate supports shall be permitted where the fastening is designed per the AWC NDS.
<ul> <li>B) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED &amp; COMPACTED.</li> <li>C) THE FOUNDATION EXCAVATIONS, EXPANSIVE CHARACTERISTICS AND BEARING</li> </ul>	AND A 2 INCH DIA. HOLE CAN BE DRILLED IN THE MIDDLE THIRD OF THE SPAN IN	SIMPSON SHOT PINS ICC-ES ESR-2138	PANEL SIDING TO FRAMING e. Fastening is only permitted where the ultimate design wind speed is less than or equal to 110 mph
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 5. NAILING & FASTENING	$\frac{1}{2}$ " & LESS 6d corrosion-resistant siding $(1\frac{7}{8}$ "x.106"); or 6d corrosion-resistant $(2$ "x.099") 6 12 ASTM F1667. Connections using nails and staples of other materials, such as stainless steel, shall be designed by acceptable engineering
216. ALL HOLDOWN ANCHORS & HARDWARE MUST BE TIED IN PLACE PRIOR TO CALLING FOR	HOLES IN THOSE CONDITIONS REQUIRE APPROVAL IN WRITING FROM THE ENGINEER.	500. 16D NAILS AS SHOWN ON THE DETAILS MAY BE COMMON, BOX, OR SINKER NAILS (0.135" MIN. DIA)	$\frac{3}{8}$ 8d corrosion-resistant siding ( $2\frac{3}{8}$ "x0.128"); or 8d corrosion-resistant casing ( $2\frac{1}{2}$ "x0.113") o I2 INTERIOR PANELING INTERIOR PANELING
A FOUNDATION INSPECTION. 3. WOOD FRAMING CONSTRUCTION	PSL AND LVL BEAMS: A RAKE CUT (TAPER) AT THE TOP OF THE BEAM AT THE END OF THE SUPPORT IS ALLOWED IF NOTED ON PLANS, TO A		$\frac{1}{4}$ 4d casing (1 <sup>1</sup> / <sub>2</sub> "x0.080"); or 4d finish (1 <sup>1</sup> / <sub>2</sub> "x0.072") 6 12
300. ROOFING MATERIALS SHALL BE PER ARCHITECTURAL DRAWINGS.	MINIMUM OF 4-3/8" AT INSIDE FACE OF SUPPORT. RAKE CUT (TAPER) THAT	501. AS AN ALTERNATE TO THE COMMON AND BOX NAILS SPECIFIED IN THE STRUCTURAL PLANS, THE FOLLOWING "CUTLER" GUN NAILS (OR EQUAL) ARE ACCEPTABLE ALTERNATIVES.	<sup>3</sup> / <sub>8</sub> <sup>3</sup> / <sub>8</sub> <sup>1</sup> / <sub>8</sub>
	RESULTS IN A DEPTH AT THE INSIDE FACE OF THE SUPPORT OF 2/3RDS THE BEAM DEPTH IS ALLOWED AT CONDITIONS NOT SPECIFIED. OTHER TAPERED	502. ALTERNATE NAILING FOR ROOF SHEATHING:	7. DESIGN CRITERIA 8. STATEMENT OF SPECIAL INSPECTIONS
<sup>301.</sup> 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 EDGES AND @ 12" O/C @ ALL INTERMEDIATE SUPPORTS. SEE DETAILS FOR SHEAR AND	STUDS AND PLATES: SEE STRUCTURAL DETAILS 14 & 15 ON SHEET S4 FOR NOTCHING	503. ALTERNATE NAILING FOR FLOOR SHEATHING: #8 X 2" SELF SETTING WOOD SCREWS, OR	701. SEISMIC DESIGN CRITERIA:       SPECIAL INSPECTION. (NO SPECIAL INSPECTION IS REQUIRED FOR RETROFIT ANCHOR BOLTS OR TITEN HD'S WITHOUT A
DRAG NAILING.	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         SITE CLASS       D (Default)
302. TYPICAL WALL SHEATHING:	313. PROVIDE 2X4 TRIMMER & 2X4 KING STUD EACH END OF EACH 4X DROPPED BEAM	504. SHEAR PANELS WHERE 8D COMMON NAILS ARE SPECIFIED:	SEISMIC DESIGN CATEGORY D
INTERIOR SURFACES: WHERE DRYWALL IS SPECIFIED, PROVIDE MIN. 5" GYPSUM	OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 4X10 OR LARGER. PROVIDE DOUBLE TRIMMERS AT EACH 3-1/2 X 7-1/2 PSL OR LSL OR LARGER.		RISK CATEGORY       II       NON-STRUCTURAL SLABS ON GRADE NOR FOR CONCRETE         SEISMIC IMPORTANCE FACTOR       1       FOOTINGS THAT SUPPORT 3 STORIES ABOVE GRADE OR LESS.
WALLBOARD W/ 5D COOLER NAILS OR EQUAL @ 6" O/C TO ALL STUDS AND TO TOP & BOTTOM PLATES (UNBLOCKED) AT INTERIOR SIDE OF EXTERIOR WALLS AND AT BOTH		NAIL SIZESC&C PRESSURESSIZE OFSTANDARD WIRESIZEPENETRATIONROOF: GABLE ROOF, PITCH α = 18.3°	Ss: 1.875 Sds: 1.500 Cs: 0.231
SIDES OF ALL INTERIOR WALLS.	314. PROVIDE 2X6 TRIMMER & 2X6 KING STUD EACH END OF EACH 6X DROPPED BEAM OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 6X8 OR LARGER. PROVIDE DOUBLE	SIZE OFSTANDARDWIRESIZEPENETRATIONROOF: GABLE ROOF, PITCH α = 18.3°NAILLENGTHGAUGE (INCHES)REQUIREDA <sub>EFFECTIVE</sub> = 10 sf28 sf30 sf	SEISMIC COMPONENTS FOR DETTACHED ONE- AND
EXTERIOR SURFACES: SEE PLANS. WHERE "STUCCO" IS SPECIFIED PROVIDE $\frac{7}{8}$ "	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	GRADE.
EXTERIOR CEMENT PLASTER OVER WIRE LATH OVER TYPE 15 BUILDING PAPER. 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 2       -50.6 psf       -45.5 psf       -45.1 psf         8D       2       "       11       0.113       1"       (-) ZONE 3       -87.5 psf       -76.0 psf       -75.2 psf	CALCULATIONS FOR SD1, SDS, DESIGN BASE SHEAR, Cs, & R FACTORS.
OCCURS) W/ 16 GAGE X <sup>7</sup> / <sub>16</sub> " STAPLES @ 6" O/C OR NO. 11 GAGE X 1-1/2" FURRING NAILS WHERE INDICATED ON ELEVATIONS.	<sup>316.</sup> PROVIDE MINIMUM 2-1/4" BEARING @ EACH END OF EACH FLUSH BEAM OR HEADER	10D 3" 10 0.128 1 "	
303. STRUCTURAL SHEATHING MAY BE EITHER OSB OR PLYWOOD. ANY NOTES REFERRING TO	WHERE BEARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3" OF BEARING POINT. PROVIDE (2) 2X STUDS @ 6X OR LSL OR PSL BEAMS.	12D         3"         10         0.128         1         "           16D         3         "         10         0.135         1         "	WIND SPEED (V-ult)124 mphRISK CATEGORYII
PLYWOOD ALSO APPLIES TO OSB. SHEATHING (WOOD STRUCTURAL PANELS) MUST MEET THE REQUIREMENTS OF DOC PS1 OR PS2 IN ACCORDANCE WITH NDS SDPWS.	317. ROOF RAFTERS SHALL BE 2X RAFTERS AS NOTED ON STRUCTURAL DRAWINGS	16D SINKER 3" 9 0.148 1 " WALLS	EXPOSURE       C         INTERNAL PRESSURE COEF       0.18         A GEOTECHNICAL REPORT WILL NOT BE REQUIRED FOR THIS ADU
	318. EAVES SHALL BE PER ARCHITECTURAL PLANS W/ APPLIED TAILS PER ARCHITECTURAL	COMMON NAILS         A_EFFECTIVE =         10 sf         21 sf         48 sf           6D         2"         11         0.113         1"         (-) ZONE 4         -1.28 psf         -34.7 psf         -32.9 psf	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 MIN. @ MINIMUM 4'-0" LAP SPLICES. USE SIMPSON RPS OR CS16 STRAP EACH	PLANS. OVERHANG DETAILS ARE NOT SHOWN ON STRUCTURAL PLANS.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ROOF DL 27 psf I ROOF LL 20 psf
SIDE OR ONE SIDE AND TOP WHERE LAP SPLICE IS NOT POSSIBLE. SEE DETAILS FOR NOTCHES, CUT-OUTS AND COMPLETE PLATE BREAKS AT HEATING, VENTING, AND PLUMBING.	319. SEE THE ARCHITECTURAL ROOF PLANS FOR ROOF PITCH AND ADDITIONAL INFORMATION.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	TRELLIS DL 6 psf I TRELLIS LL 10 psf BUILDING AREA, A GEOTECHNICAL REPORT PREPARED BY A
	320. COMBINE AND GROUP PLUMBING VENTS WHENEVER POSSIBLE TO MINIMIZE ROOF PENETRATIONS.	16D 3 " 8 0.162 $1\frac{1}{2}$ "	CALIFORNIA REGISTERED DESIGN PROFESSIONAL MAY BE REQUIRED.

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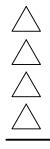
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project

City of Riverside Pre-Approved ADU Program

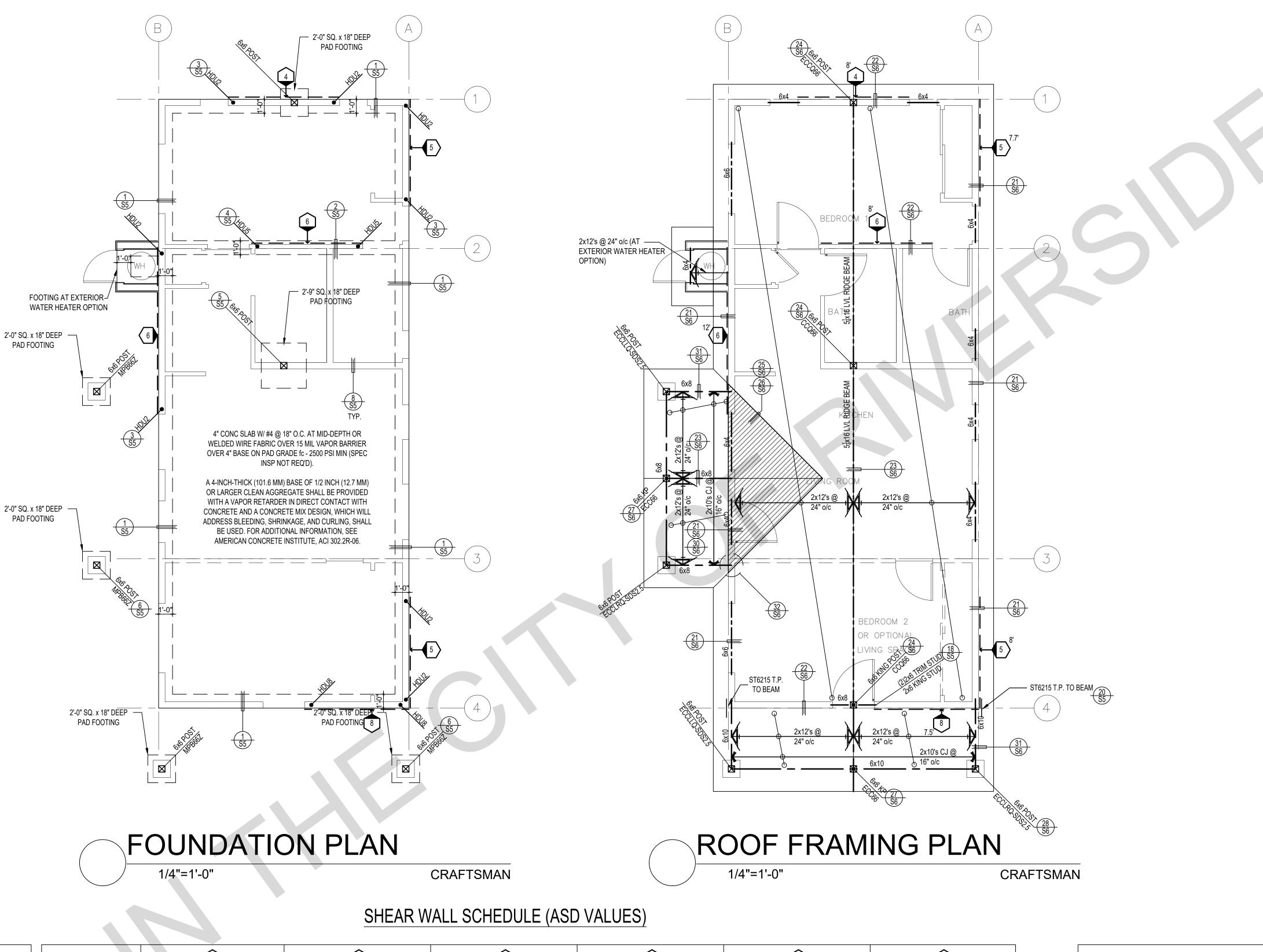
revisions  $\triangle$ 



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.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHORBOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT. 5. PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 6. SEE SHEET S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- 7. POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2)
- 16d T.N. EA SIDE, TYP. 3. 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)	<sup>3</sup> / <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6 )	<sup>3</sup> / <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 4" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6)	<sup>3</sup> ⁄ <sub>8</sub> " 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)	<sup>3</sup> / <sub>8</sub> " 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)	$^{15}\!$	$^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) side w/ 10d @ 2" o/c edge, 12" o/c field 3x abutting panel studs 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 ½" @ 24"	5%" @ 24" or ½" @ 16"	5⁄8" @ 24" or ½" @ 16"	5%" @ 16" or ½" @ 12"	5%" @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	6"	4"	3½"	3"	¼"x4½" SDS screws @ 8"	¼"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.

- (\*) 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.

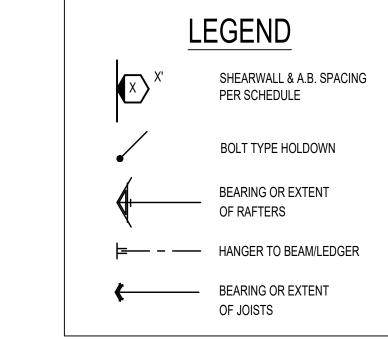
(2) SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209. 307, 308, 309, ETC.)

(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.

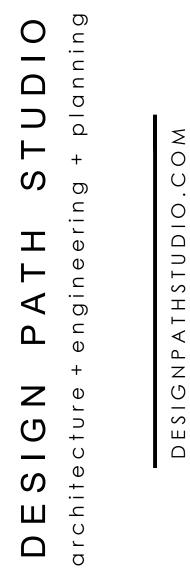
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(5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING.

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



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



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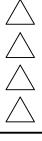
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project

City of Riverside Pre-Approved ADU Program

revisions  $\square$ 



description

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

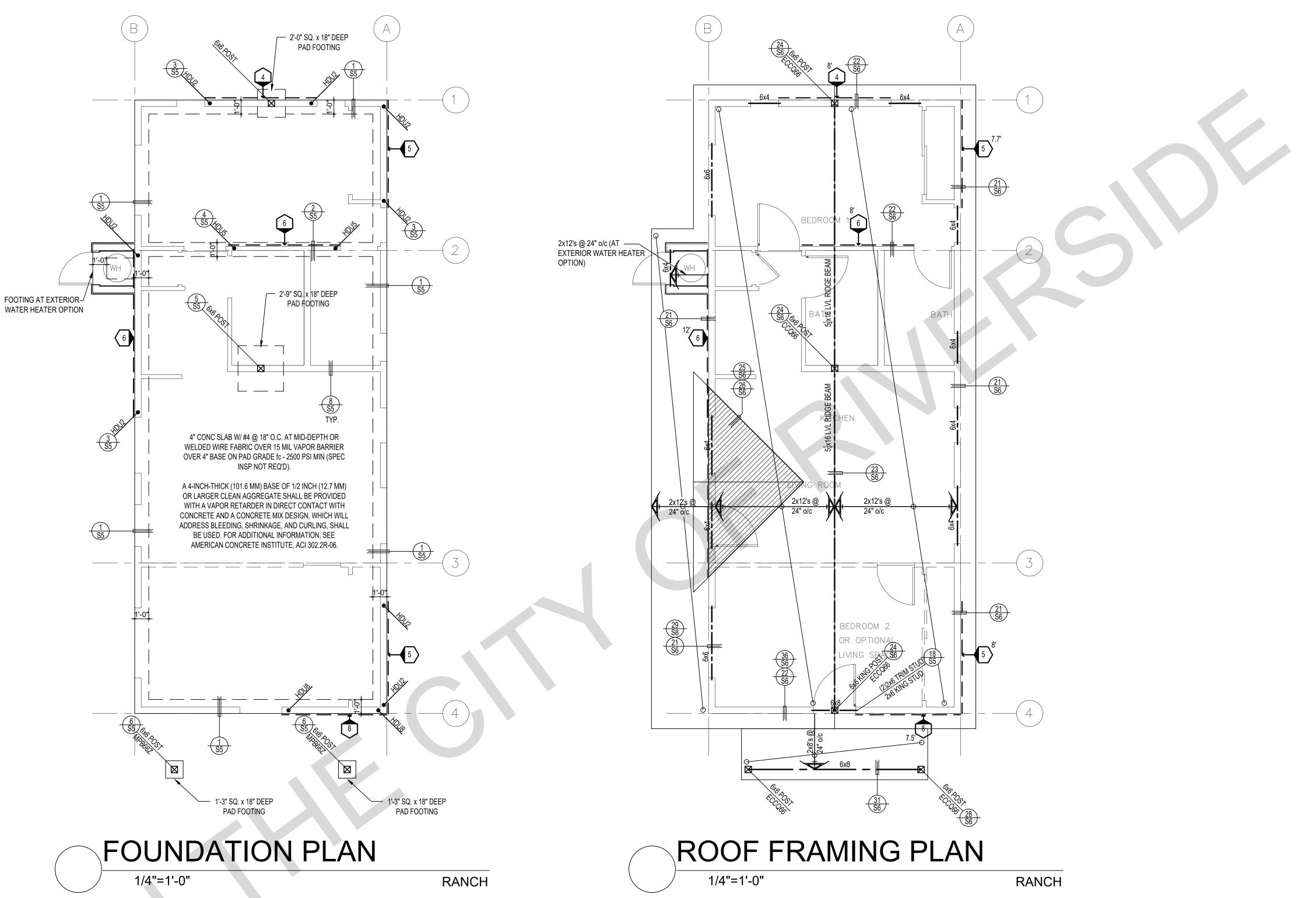
project no. Riverside ADU

date October 2023

drawn by

DESIGN PATH STUDIO

sheet no. C7



## FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHORBOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT. 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)	<sup>3</sup> / <sub>8</sub> " 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⁄ <sub>8</sub> " 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)	<sup>3</sup> / <sub>8</sub> " 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)	$^{15}$ <sub>32</sub> " 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)	$^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) si o/c edge, 12" o/c field 3x abutting p blocked (See footnote 3, 4, 5, & 6)
SHEAR VALUE (PLF)	260*	375*	490*	550*	665*	870*
ANCHOR BOLT SPACING	<sup>5</sup> ⁄ <sub>8</sub> " @ 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%" @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	6"	4"	3½"	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.

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

## SHEAR WALL SCHEDULE (ASD VALUES)

## SHEAR WALL FOOTNOTES

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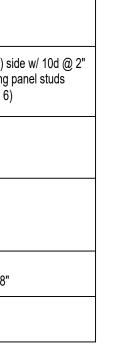
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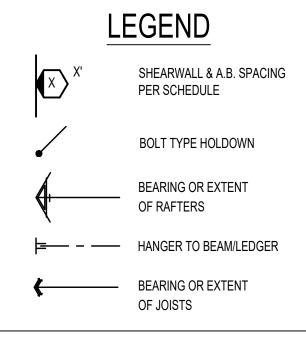
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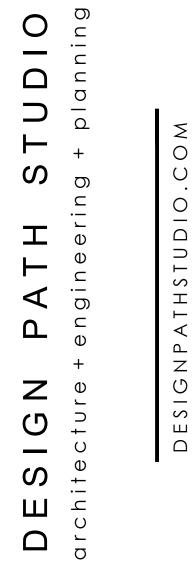
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project

City of Riverside Pre-Approved ADU Program

revisions  $\square$  $\triangle$  $\triangle$ 

description

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

date October 2023

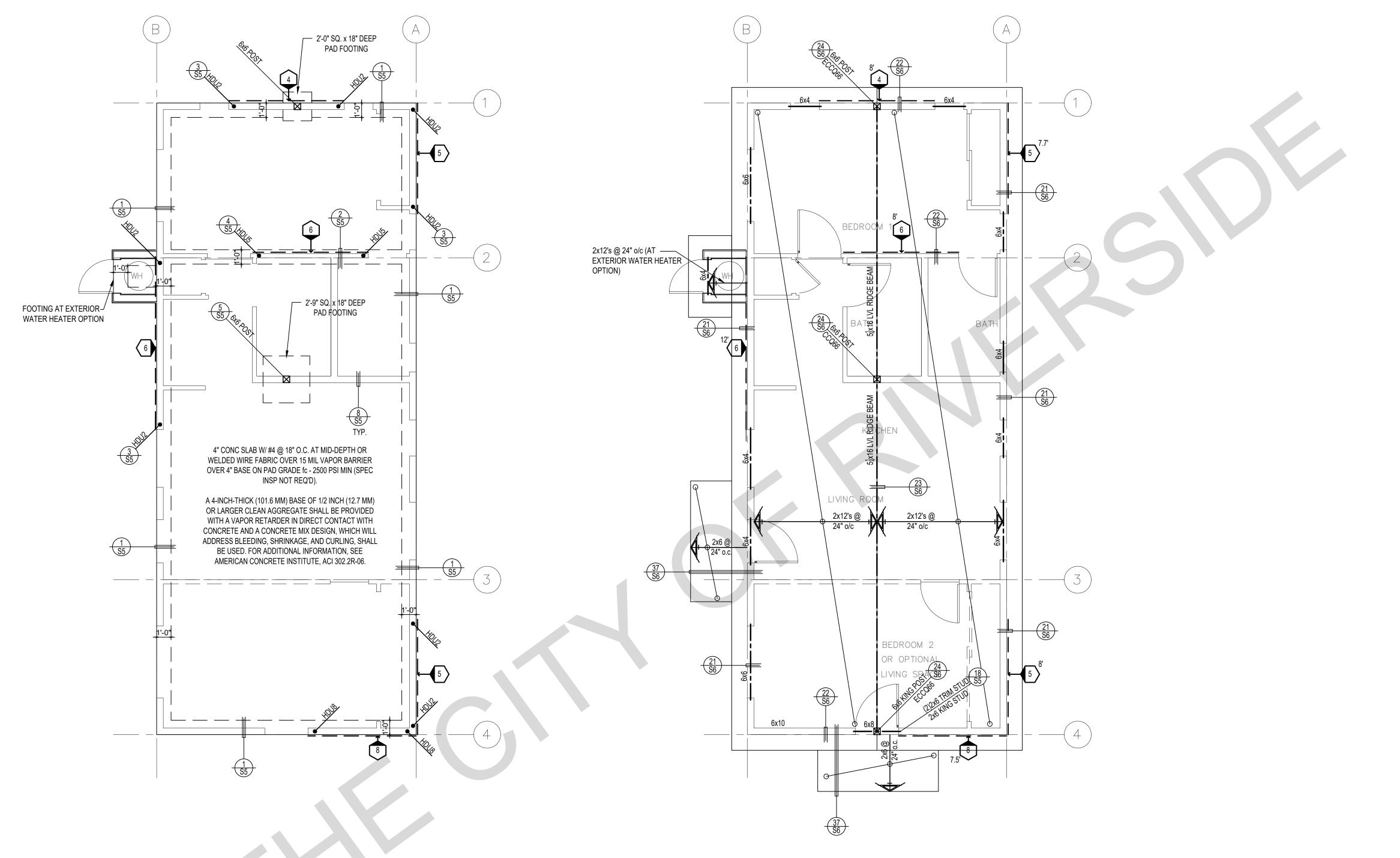
project no. Riverside ADU

drawn by

DESIGN PATH STUDIO

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sheet no. C2



## FOUNDATION NOTES

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1/4"=1'-0"

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FOUNDATION PLAN

SPANISH



## SHEAR WALL SCHEDULE (ASD VALUES)

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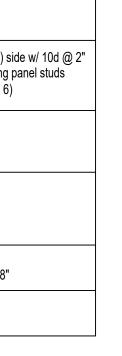
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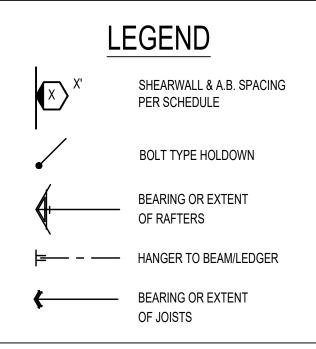
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SPANISH





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project

City of Riverside Pre-Approved ADU Program

revisions  $\square$  $\triangle$  $\triangle$ 

description

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

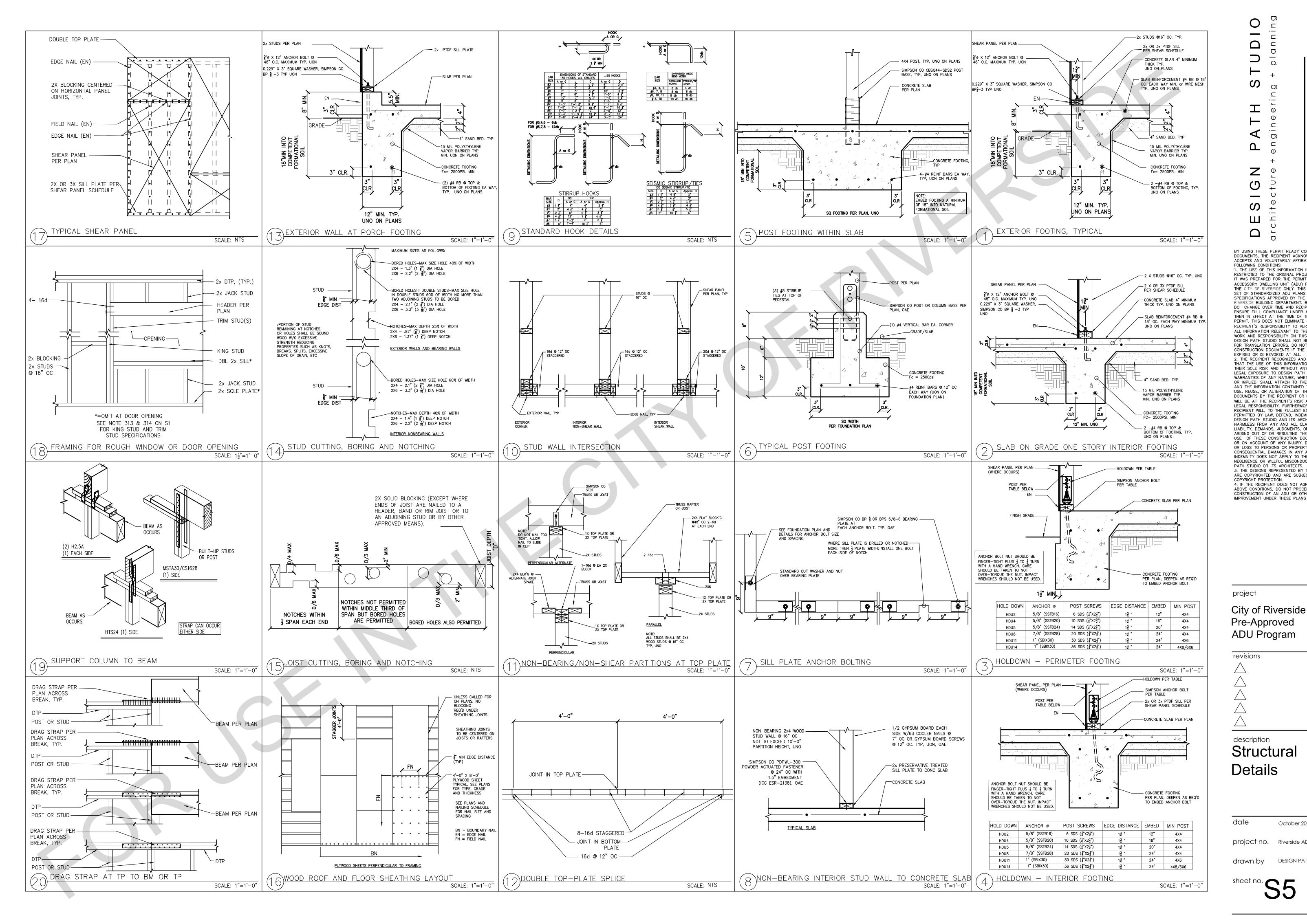
date October 2023

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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LIABILITY, DEMANDS, JUDGMENTS, OR COSTS

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HARMLESS FROM ANY AND ALL CLAIMS, SUITS,

ARISING OUT OF OR RESULTING THERE FROM AN'

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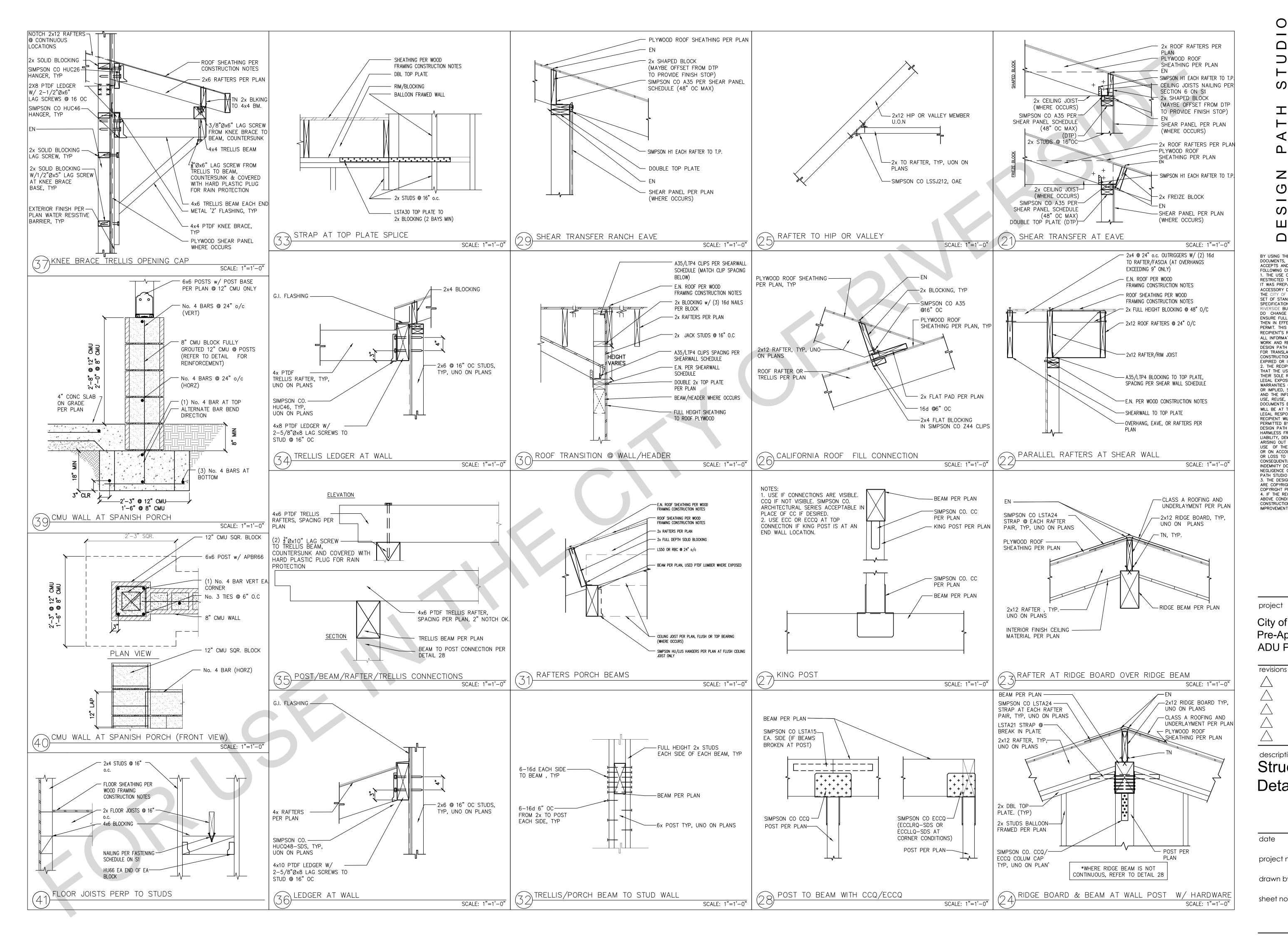
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description Structural Details date October 2023 project no. Riverside ADU DESIGN PATH STUDIO drawn by sheet no. S6

City of Riverside Pre-Approved ADU Program

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

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4. IF THE RECIPIENT DOES NOT AGREE WITH THE

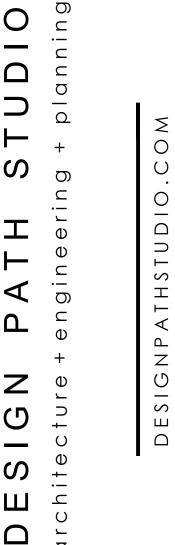
ABOVE CONDITIONS, DO NOT PROCEED WITH

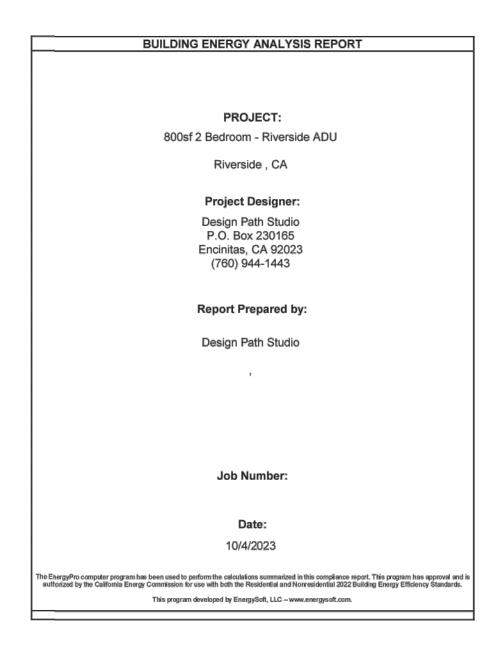
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ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR





CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD		CF1R-PRF-01E
Project Name: 800sf 2 Bedroom - Riverside ADU	Calculation Date/Time: 2023-10-04T13:52:58-07:00	(Page 2 of 12)
Calculation Description: Title 24 Analysis	Input File Name: 800sf 2 Bedroom - Riverside.ribd22x	

		Energy Design Ratings			Compliance Margins	i						
	Source Energy (EDR1)	Efficiency <sup>1</sup> EDR (EDR2efficiency)	Total <sup>2</sup> EDR (EDR2total)	Source Energy (EDR1)	Efficiency <sup>1</sup> EDR (EDR2efficiency)	Total <sup>2</sup> EDR (EDR2total)						
Standard Design	37.3	40	29.9									
Proposed Design												
North Facing	36.2	37.2	28.5	1.1	2.8	1.4						
East Facing	35.1	34.6	27.1	2.2	5.4	2.8						
South Facing	35.9	38	28.9	1.4	2	1						
West Facing	35,6	35	27.3	1.7	5	2.6						
		RESULT	3: PASS	Inc								
<sup>1</sup> Efficiency EDR includes improvements like a better building envelope and more efficient equipment <sup>2</sup> Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries DDER <sup>3</sup> Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded												
<ul> <li>Standard Design PV Capacity: 2.07 kWdc</li> <li>Proposed PV Capacity Scaling: North (2.07</li> </ul>	kWdc) Fast (2.07 kWdc)	South (2.07 kWdc) West	(2.07 kWdc)									

Registration Number: 223-P016596245A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Project Name: 800sf 2 Bedroom - Riverside ADU

Calculation Description: Title 24 Analysis

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

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 13:54:07

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Calculation Date/Time: 2023-10-04T13:52:58-07:00 Input File Name: 800sf 2 Bedroom - Riverside.ribd22x CF1R-PRF-01E (Page 5 of 12)

	Standard Design (kBtu/ft <sup>2</sup> - yr )	Proposed Design (kBtu/ft <sup>2</sup> - yr )	Compliance Margin (kBtu/ft <sup>2</sup> - yr )	Margin Percentage
North Facing				
Gross EUI <sup>1</sup>	24.33	23.16	1.17	4.81
Net EUI <sup>2</sup>	9.29	8.12	1.17	12.59
East Facing				
Gross EUI <sup>1</sup>	24.33	22.65	1.68	6.91
Net EUI <sup>2</sup>	9.29	7.61	1.68	18.08
South Facing				
Gross EUI <sup>1</sup>	24:33	23.14	1.19	4.89
Net EUI <sup>2</sup>	9.29		1.190	12.81
West Facing		KS PROV		
Gross EUI <sup>1</sup>	24.33	22.63	1.7	6.99
Net EUI <sup>2</sup>	9.29	7.59	1.7	18.3

TITLE 24 COMPLIANCE REQUIREMENTS SUMMARY RIVERSIDE ADU – 800SF 2 BEDROOM
Ceiling Insulation = R-30 min. at rafters
Radiant Barrier – No
Roofing – per owner – No Cool Roof Reg'd
Wall Insulation = R-19 at new 2 x 6 walls
Floor Insulation – N/A.
Thermal Mass Areas = Exposed Slab Flooring
QII-Yes-Hire HERS rater early before drywall. Alert insulation contractor.
SOLAR – Minimum Standard Design 2.07 kWdc
Glazing = All new windows & doors are dual glazing. All glass is clear.
Glazing shall be installed with a NFRC certifying label attached showing U-factor.
Solar Heat Gain Co-efficient = 0.23 windows, doors.
U-Factor = 0.30 windows, doors.
*Owner to purchase windows & doors w/ specified Uvalues & SHGC's or better. Hot Water Heater = 40-gal heat pump RHEEM PROPH40T2RH37530 or eq.
Uniform Energy Factor is 3.1 min. NEEA Rated. HERS VERIFIED.
IAQ FAN – 46 cfm & 0.35 cfm power. Verify w/ Mech. (continuous ventilation
per ASHRAE 62.2 is reg'd for IAQ.) HERS VERIFIED. Note IAQ fan on plan w/
timer switch w/ manual off & sound rating of 1 sone.
HSPF – 8.2 min. (New mini-split)
SEER - 14.0 min. (new) HERS REQUIRED:
REFRIGERANT CHARGE, AIRFLOW IN HABITABLE ROOMS (SC3.1.4.1.7), VERIFIED HEAT
PUMP RATED HEATING CAPACITY, WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150 S.F. (SC3.4.5) AND DUCTLESS INDOOR UNITS ARE LOCATED ENTIRELY IN
CONDITIONED SPACE (SC3.1.4.1.8).
Duct Insulation = none
Duct (HERS) 5% Leakage Test – NO
*Heater Sizing
Total Sensible heating load – 10,628 Btu
FUJITSU#AOU12R2 or eq – 24,000 Btu
*A/C Sizing
Total Sensible cooling load – 9,093 Btu WHOLE HOUSE ATTIC COOLING FAN - N/R for compliance
*These load calculations, sizing & equipment are for Title 24 purposes &
should be verified HVAC by a Mechanical Engineer/Contractor.
Owner may install any Make & Model HVAC equipment that is equal or greater
than the min. efficiencies listed above. All equipment is listed "or eq"
ALL LIGHTING TO BE HIGH EFFICACY – SEE MF1R FOR SWITCHING & NOTES. LOCAL EXHAUST FAN RATES BATH = 50 CFM, KITCHEN = 100 CFM, < 3 sones &
listed on CEC directory. HERS VERIFIED **
SONE RATING = 1 FOR CONTINUOUS FAN AND 3 FOR INTERMITTENT FAN.

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD	
Project Name: 800sf 2 Bedroom - Riverside ADU	Calculation Date/Time: 2023-10-04T13:52:58-07:00
Calculation Description: Title 24 Analysis	Input File Name: 800sf 2 Bedroom - Riverside.ribd22x

CF1R-PRF-01E (Page 3 of 12)

ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft <sup>2</sup> -yr)	Standard Design TDV Energy (EDR2) (kTDV/ft <sup>2</sup> -yr)	Proposed Design Source Energy (EDR1) (kBtu/ft <sup>2</sup> -yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft <sup>2</sup> -yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	0.89	4.19	1.79	12.81	-0.9	-8.62
Space Cooling	1.62	33.94	1.17	28.09	0.45	5.85
IAQ Ventilation	0.44	4.66	0.44	4.66	0	0
Water Heating	2.61	26.54	1.73	18.96	0.88	7.58
Self Utilization/Flexibility Credit				0		0
North Facing Efficiency Compliance Total	5.56	69.33	5.13	64.52	0.43	4.81
Space Heating	0.89	4.19		10.46	-0.56	-6.27
Space Cooling	1.62	33.94 R S	P R 100 V II	DE R25.84	0.58	8.1
IAQ Ventilation	0.44	4.66	0.44	4.66	0	0
Water Heating	2.61	26.54	1.73	18.94	0.88	7.6
Self Utilization/Flexibility Credit				0		0
East Facing Efficiency Compliance Total	5,56	69.33	4.66	59.9	0.9	9.43

Registration Date/Time: 2023-10-04 14:05:25 HERS Provider: Registration Number: 223-P016596245A-000-000-0000000-0000 CalCERTS inc. CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2023-10-04 13:54:07 Schema Version: rev 20220901

roject Name: 80	00sf 2 Bedroom	- Riverside ADU		Calculatio	on Date	./Time: 2023	-10-04T	13:52:58-07:0	00	()	Page 6 of 1
alculation Desc	ription: Title 24	1 Analysis		Input File	Name	: 800sf 2 Bed	lroom - F	Riverside.ribd	22x		
REQUIRED PV SYS	TEMS										
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception     Module Type     Array Type     Power Electronics     CFI     Azimuth (deg)     Tilt Input     Array Angle (deg)     Tilt: (x in 12)     Inverter (%)										
2.07	NA	Standard (14-17%)	Fixed	none	true	150-270	n/a	n/a	<=7:12	96	98
EQUIRED SPECIAI	FEATURES										
ne following are f	eatures that mus	st be installed as condition for	meeting the modeled	energy performance f	or this c	computer analy	ysis.				
Northwest E	nergy Efficiency	compliance option (verificati Alliance (NEEA) rated heat pu					talled				
ERS FEATURE SUI	MMARY										
		eatures that must be field-ver bles below. Registered CF2Rs					eled ener	gy performanc	e for this com	puter analysis	. Additional
	lation installatior uality ventilation				$\left  \right\rangle$						
Kitchen rang			HBRS			n Bi	BR				
	rigerant Charge abitable rooms (S										
	t pump rated he										
		zones greater than 150 ft2 (S									
Ductless ind	oor units located	l entirely in conditioned space	e (SC3.1.4.1.8)								
UILDING - FEATU	RES INFORMATIO	NC		-							
01		02	03	04		05			06		07
Project N	ame Co	onditioned Floor Area (ft <sup>2</sup> )	Number of Dwelling Units	Number of Bedroo	oms	Number of I	Zones		f Ventilation g Systems		er of Water Ig Systems
	- Riverside	800	1	2		1			0		1



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

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 13:54:07

CERTIFICATE OF COMPLIANCE - RESIDEN Project Name: 800sf 2 Bedroom - Riversio Calculation Description: Title 24 Analysis GENERAL INFORMATION 01 03 Project 04 06 08 Build Projec 14 Addition Cond. Floor A 16 Existing Cond. Floor A 18 Total Cond. Floor Ar 20 ADU Bedroo 22 COMPLIANCE RESULTS 01 Building Complies with Co 02 This building incorporates 03 This building incorporates

## Registration Number: 223-P016596245A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Project Name: 800sf 2 Bedroom - Riverside ADU Calculation Description: Title 24 Analysis ENERCY LICE CUR

ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft <sup>2</sup> -yr)	Standard Design TDV Energy (EDR2) (kTDV/ft <sup>2</sup> -yr)	Proposed Design Source Energy (EDR1) (kBtu/ft <sup>2</sup> -yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft <sup>2</sup> -yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	0.89	4.19	1.55	11.21	-0.66	-7.02
Space Cooling	1.62	33.94	1.29	31.01	0.33	2.93
IAQ Ventilation	0.44	4.66	0.44	4.66	0	0
Water Heating	2.61	26.54	1.73	18.93	0.88	7.61
Self Utilization/Flexibility Credit				0		0
South Facing Efficiency Compliance Total	5.56	69.33	5.01	65.81	0.55	3.52
Space Heating	0.89	4.19		12.04	-0.76	-7.85
Space Cooling	1.62		PRUSVII	24.91	0.57	9.03
IAQ Ventilation	0.44	4.66	0.44	4.66	0	0
Water Heating	2.61	26.54	1.73	18.99	0.88	7.55
Self Utilization/Flexibility Credit				0		0
West Facing Efficiency Compliance Total	5.56	69.33	4.87	60.6	0.69	8.73

Registration Number: 223-P016596245A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

	300sf 2 Bed	NCE - RESIDENTIAL room - Riverside A tle 24 Analysis		ICE COMF	PLIANCE	METHOD						10-04T13 oom - Riv					CF1R-PRF-01E (Page 7 of 12)
ZONE INFORMAT	10N																
01		02		03			04				05			06			07
Zone Nan	ne	Zone Type	HVAC	System Na	ame	Zone Flo	or Area	1 (ft <sup>2</sup> )	A	vg. Ceil	ling Hei	ight	Water I	Heating Sy	stem 1		Status
ADU		Conditioned	N	/ini Split1			800			9	9.5		I	DHW Sys 1			New
OPAQUE SURFAC	ES																
01		02	0	3		04		05	;		I	06		07	•		08
Name		Zone	Azimuth		Orienta	ation		Gross	Area (ft <sup>2</sup> )		Window a Area (			Tilt (deg)			
Front Wall		ADU	0		Fro	nt		1	137		20			90			
Right Wall		ADU /	R-19	Wall	270	270 Right				11	350		36.25			90	
Back Wall		ADU	R-19	Wall		180					137		16			90	
Left Wall		ADU	R-19	Wall		90		Lef	ft		1	350		69.	3		90
OPAQUE SURFAC	ES - CATHED			66					$\frac{1}{2}$	_							
01	02	03	04		05		06		07			08		09	10		11
Name	Zone	Construction	n Azīmut	h O	rientatio	n An	ea (ft <sup>2</sup> )	Sk	ylight (ft <sup>2</sup> )			Rise (x in 12)		Roof lectance	Roof Emit	ttance	Cool Roof
Roof	ADU	R-30 Roof No Attic	0		Front	ont 746		746		0 4		4	0.1		0.85	;	No
FENESTRATION /	GLAZING																
01	02	03	04	05	0	6 07	08	3 0	9	10	,	11		12	13		14
Name	Туре	Surface	Orientation	Azimuth	n Wid		t Mu	14 1	rea 't <sup>2</sup> )	U-fac	tor	U-factor Source		SHGC	SHGC Sou	irce	Exterior Shading
Glass Door 4	Window	Front Wall	Front	0			1	2	20	0.3	3	NFRC		0.23	NFRC		Bug Screen
Window F	Window	Right Wall	Right	270			1	8.	.75	0.3	3	NFRC		0.23	NFRC		Bug Screen
Window E	Window	Right Wall	Right	270			1		4	0.3	3	NFRC		0.23	NFRC		Bug Screen
Registration Number: 223-P016596245A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance								Date/Tim n: 2022. on: rev 2	2023-10 0.000	0-04 14:0	05:25			HERS Provi Report Ger	der: nerated: 202	3-10-0	CalCERTS inc 4 13:54:07

	ERFORMANCE COMPLIANCE METHOD			CF1R-PRF-01E
rside ADI	J		lation Date/Time: 2023-10-04T13:52:58-0	
/sis		Input	File Name: 800sf 2 Bedroom - Riverside.r	ibd22x
ect Name	800sf 2 Bedroom - Riverside ADU			
Run Title	Title 24 Analysis			
t Location	-			
	Riverside	05	Standards Version	
Zip code		07	Software Version	
nate Zone		09	Front Orientation (deg/ Cardinal)	
	Single family	11	Number of Dwelling Units	
1.	Newly Constructed	13	Number of Bedrooms	
Area (ft <sup>2</sup> )		15	Number of Stories	-
Area (ft <sup>2</sup> )	n/a	17	Fenestration Average U-factor	
Area (ft <sup>2</sup> )	800	19	Glazing Percentage (%)	17.69%
om Count		21	ADU Conditioned Floor Area	
Fuel Type	Natural gas	23	Occupancy U:	No
Computer	Performance	- 65		
es feature	s that require field testing and/or verificatio	n by a c	ertified HERS rater under the supervision of a	CEC-approved HERS provider.
es one or i	more Special Features shown below			

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

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 13:54:07

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Calculation Date/Time: 2023-10-04T13:52:58-07:00 Input File Name: 800sf 2 Bedroom - Riverside.ribd22x

CF1R-PRF-01E (Page 4 of 12)

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

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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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2022 Single-Family Residential Mandatory Requirements Summary 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 Building Envelope:
Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or
is 110.6(a) 1:
Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or
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is 110.6(a) 1:
Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage. Air Leakage

CA Building Energy Efficiency Standards - 2022 Residential Compliance

Schema Version: rev 20220901

CalCERTS inc. Report Generated: 2023-10-04 13:54:07

**Registration Number:** 

Registration Date/Time: 2023-10-04 14:05:25

HERS Provider:

223-P016596245A-000-000-0000000-0000

Report Version: 2022.0.000

HVAC HEAT PUMPS -	HERS VERIFIC	AIION												
01	02			03		04	05	06		07	7		08	09
Name	Verified Ai	rflow	Airflo	w Target	Veri	fied EER/EER2	Verified SEER/SEER2	Verified Refrigerant Charge		nt Verified HSPF/HSPF2		Verified Heating Cap 47		Verified Heating Cap 17
Heat Pump System 1-hers-htpump	Not Requ	ired		0		ot Required	Not Required	Yes	Yes		þ		Yes	Yes
VARIABLE CAPACITY	HEAT PUMP C	OMPLIA	NCE OPT	ON - HERS V	/ERIFI	CATION				-				
01			02	03		04	05	06		07	08	3	09	10
Name		Low	tified -Static System	Airflow Habitab Room	le	Ductless Units in Conditioned Space	Wall Mount Thermostat	Air Filter Sizing & Pressure Drop Rating	Con	Ducts in Airflo anditioned RA3.		mum Certified w per 3 and .3.4.1 Fan		Indoor Fan no Running Continuously
Heat Pump Sy:	stem 1 🛛 🤜	Notr	equired	Require	ed	Required	Required	Not required	No	t required	Not req	uired	Not require	d Not required
INDOOR AIR QUALIT	Y (IAQ) FANS				F		PEDS	RC						
01	02		V	03		(04)	LO5	06		0607	1		08	09
Dwelling Unit Airflow (CFM) Fan Efficacy (W/CFM)		H	AQ Fan Type	Includes Heat/Energy Recovery?	IAQ Recove Effectiveness				HERS	Verification	Status			
SFam IAQVentRpt	SFam IAQVentRpt 46 0.35			Exhaust	No	n/a / n/a		No	þ		Yes			
PROJECT NOTES														
Energy Pro uses ASH	RAE method fo	or HVAC	sizing.											1

Registration Number: 223-P016596245A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Project Name: 800sf 2 Bedroom - Riverside ADU

Calculation Description: Title 24 Analysis

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

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

Calculation Date/Time: 2023-10-04T13:52:58-07:00

Input File Name: 800sf 2 Bedroom - Riverside.ribd22x

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 13:54:07

CF1R-PRF-01E

(Page 11 of 12)

Calculation Desc	ription: Titl	e 24 Analysis					Input Fi	e Name	: 800sf 2 Be	droom - Rivers	side.ribd22x		
FENESTRATION / (	GLAZING												
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Туре	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft <sup>2</sup> )	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Window D	Window	Right Wall	Right	270			1	7.5	0.3	NFRC	0.23	NFRC	Bug Screen
Window B	Window	Right Wall	Right	270			1	16	0.3	NFRC	0.23	NFRC	Bug Screen
Window C	Window	Back Wall	Back	180			1	8	0.3	NFRC	0.23	NFRC	Bug Screen
Window C 2	Window	Back Wall	Back	180			1	8	0.3	NFRC	0.23	NFRC	Bug Screen
Window A	Window	Left Wall	Left	90			1	10	0.3	NFRC	0.23	NFRC	Bug Screen
Window B 2	Window	Left Wall	Left	90			1	16	0.3	NFRC	0.23	NFRC	Bug Screen
Glass Door 4 2	Window	Left Wall	Left	90			1	33.3	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 2	Window	Left Wall	Left	90			₹¶	10	0.3	NFRC	0.23	NFRC	Bug Screen
SLAB FLOORS			141										
01		02	03		<u>04</u>			05		06		07	08
¥2							Edge la	isul. R-val	luo Eda	e Insul. R-value			00
Name		Zone	Area (ft <sup>2</sup>	)	Perimete	r (ft)		d Depth		and Depth	Carpete	d Fraction	Heated
Slab-on-Grade		ADU	746		122			none		0	8	0%	No

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: 800sf 2 Bedroom - Riverside ADU Calculation Date/Time: 2023-10-04T13:52:58-07:00 CF1R-PRF-01E (Page 8 of 12)

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD       CF1R-PRF-         Project Name: 800sf 2 Bedroom - Riverside ADU       Calculation Date/Time: 2023-10-04T13:52:58-07:00       (Page 9 of Calculation Date/Time: 2023-10-04T13:52:58-07:00)											
Calculation Description: Title 24 Analysis Input File Name: 800sf 2 Bedroom - Riverside.ribd22x											
OPAQUE SURFACE CONSTRUCTIONS											
01	02	03	04	05	06	07	08				
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers				
R-19 Wall	Exterior Walls	Wood Framed Wall	2x6 @ 16 in. O. C.	R-19	None / None	0.074	Inside Finish: Gypsum Board Cavity / Frame: R-19 in 5-1/2 in. (R-18) / 2x6 Exterior Finish: 3 Coat Stucco				
	<i></i>	3					Roofing: 10 PSF (RoofTileAirGap) Tile Gap: present				

2x12 @ 24 in. O. C.

N/A

05

1

Wood Framed

Ceiling

02

04

Distribution Type Water Heater Name Number of Units

DHW Heater 1

Quality Insulation Installation (QII) High R-value Spray Foam Insulation Building Envelope Air Leakage

Not Required

03

Standard

Cathedral Ceilings

02

System Type

Domestic Hot

Water (DHW)

Registration Number: 223-P016596245A-000-000-0000000-0000

CA Building Energy Efficiency Standards - 2022 Residential Compliance

R-30 Roof No Attic

BUILDING ENVELOPE - HERS VERIFICATION

01

Required

WATER HEATING SYSTEMS

01

Name

DHW Sys 1

Roof Deck: Wood

Siding/sheathing/decking

Cavity / Frame: R-30 / 2x12

Inside Finish: Gypsum Board

05

CFM50

n/a

09

Water Heater

Name (#)

DHW Heater 1 (1)

CalCERTS inc.

08

**HERS** Verification

n/a

Report Generated: 2023-10-04 13:54:07

HERS Provider:

None / None 0.033

06

Solar Heating

n/a

Registration Date/Time: 2023-10-04 14:05:25

Report Version: 2022.0.000

Schema Version: rev 20220901

System

04

CFM50

n/a

07

Compact

Distribution

None

R-30

**CERTIFICATE OF COMPLIANCE - RESIDE** Project Name: 800sf 2 Bedroom - River Calculation Description: Title 24 Analys WATER HEATERS - NEEA HEAT PUMP 01 02 Name # of Units \_\_\_\_\_ DHW Heater 1 1 WATER HEATING - HERS VERIFICATION 01 Name Pipe Insu DHW Sys 1 - 1/1 Not Rec 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-ductless System 1

Registration Number: 223-P016596245A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD	CF1R-PRF-01E
Project Name: 800sf 2 Bedroom - Riverside ADU	Calculation Date/Time: 2023-10-04T13:52:58-07:00 (Page 12 of 12)
Calculation Description: Title 24 Analysis	Input File Name: 800sf 2 Bedroom - Riverside.ribd22x
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name:	Documentation Author Signature:
Yvonne St Pierre	Grome St Pierre
Company:	Signature Date:
Design Path Studio	2023-10-04 14:05:25
Address:	CEA/ HERS Certification Identification (If applicable):
PO Box 230165	
City/State/Zip:	Phone:
Encinitas, CA 92023	619-292-8807
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
<ol> <li>I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the</li> <li>I certify that the energy features and performance specifications identified on this Certificate of Co</li> </ol>	building design identified on this Certificate of Compliance. Impliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
	are consistent with the information provided on other applicable compliance documents, worksheets,
calculations, plans and specifications submitted to the enforcement agency for approval with this	
Responsible Designer Name: Yvonne St Pierre	Responsible Designer Signature: Yvonne St.Pierre
Company: Design Path Studio	Date Signed: 2023-10-04 14:05:25
Address: PO Box 230165	License: C 34789
City/State/Zip: Encinitas, 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: 223-P016596245A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

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



HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 13:54:07

	2022 Single-Family Residential Mandatory Requirements Summary
§ 110.5:	Pilot Lights. Continuously burning pilot lights are prohibited for natural gas: fan-type central furnaces; household cooking appliances (except appliances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu per hour ); and pool and spa heaters. *
§ 150.0(h)1:	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 Manuat, or the ACCA Manual J using design conditions specified in § 150.0(h)2.
§ 150.0(h)3A:	Clearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any driver;
§ 150.0(h)3B:	Liquid Line Drier. Air conditioners and heat pump systems must be equipped with liquid line filter driers if required, as specified by the manufacturer's instructions.
§ 150.0(j)1:	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)2:	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 chilled 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 buried below grade must be installed in a waterproof and non-crustable casing or sheeve.
§ 150.0(n)1:	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' x 2.5' 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 more than 2' higher than the base of the water heater
§ 150.0(n)3:	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.
ucts and Fans:	
§ 110.8(d)3:	Ducts. Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC). If a contractor installs the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement.
§ 150.0(m)1:	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 flexible ducts must be mechanically fashened. Openings must be sealed with mastic, tape, or other duct-closure system that meets the applicable UL requirements, or aerosol sealant 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 cavities, air handler support platforms, and plenums designed or constructed with materials other than sealed sheet metal, duct board or 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. *
§ 150.0(m)2:	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.
§ 150.0(m)3:	Field-Fabricated Duct Systems. Field-fabricated duct systems must comply with applicable requirements for: pressure-sensitive tapes, mastics, sealants, and other requirements specified for duct construction.
§ 150.0(m)7:	Backdraft Damper. Fan systems that exchange air between the conditioned space and outdoors must have backdraft or automatic dampers.
§ 150.0(m)8:	Gravity Ventilation Dampers. Gravity ventilating systems serving conditioned space must have either automatic or readily accessible, manually operated dampers in all openings to the outside, except combustion inlet and outlet air openings and elevator shaft vents.
§ 150.0(m)9:	Protection of Insulation. Insulation must be protected from damage due tosunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather must be suitable for outdoor service (e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover). Cellular foam insulation must be protected as above or painted with a water retardant and solar radiation-resistant coating.
§ 150.0(m)10:	Porous Inner Core Flex Duct. Porous inner cores of flex ducts must have a non-porous layer or air barrier between the inner core and outer vapor barrier.
§ 150.0(m)11:	Duct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to an occupiable space, the ducts must be sealed and duct leakage tested, as confirmed through field verification and diagnostic testing, in accordance with Reference Residential Appendix RA3.1.
§ 150.0(m)12:	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 dop and labeling must meet the requirements in si 510.0(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 clean-filter prevents of the size of the

5/6/22

e	E <b>NTIAL PERF</b> rside ADU sis	ORMAN	ICE CO	OMPLIAN	CE ME	THOD							13:52:5 Riversid				CF1R-PRF-01E (Page 10 of 12)	
_		03			04		1		05	<u> </u>		06		-	07		08	
		03		NEE		Bump	NE				_	06			07	+	08	
1	Tai	nk Vol. (g	gal)	INEEA	Brand		NET		eat Pum odel	ib.	Tar	nk Locati	on	Duc	ct Inlet Air Source		Duct Outlet Air Source	
		40 Rheem			1	PROPH40 T2 RH37530 (40 gal, JA13)				Outside			ADU		ADU			
								-										
)2	A		03				04 05					06		07				
รเ	lation	Pa	rallel I	Piping	C	ompact	Distribution			Compact Distribution Type			Reci	rcula	tion Control	Shov	wer Drain Water Heat Recovery	
eq	uired	N	ot Req	uired		Not R	Required			I	None N			Not R	equired		Not Required	
0			1		6				Y	(			-					
ý	03		E	04			05			06		))(E	07		08		09	
/			Heat	ing Equipn	ent i				Cooline	Cooling Equipment		RD				Required		
	Heating Uni	t Name		Count		Cooling	Unit Nar	ne		Count		Fan Name			Distribution N		Thermostat Type	
	Heat Pump	System		1		Heat Pu	np Syste 1	m		1		n/a			n/a		Setback	
_	1							_										
Т	03	04		05	06		07		nø	0		10	11		12		12	
+	05			Heatin					08		09 Cooling		11		12		13	
	Number of Units	Efficie Typ		HSPF / HSPF2 / COP	Cap 4	17 Ca	p 17		ciency ype	SEE	R /	EER / EER / CEER	Zona Contro		Compressor Type	I	HERS Verification	
Ī	1	HSP	۴	8.2	2400	0 22	:000	EER	SEER	14	ţ	11.7	Not Zo	nal	Single Speed	Н	leat Pump System 1-hers-htpump	

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

HERS Provider: CalCERTS inc. Report Generated: 2023-10-04 13:54:07

RESI	DENTIA	L MEAS	URES SI	JMM/	ARY						RMS-1
Project N	ame	- Riverside			ing Type		gle Fami ti Family		Addition Alon	e lition/Alteration	Date 10/4/2023
Project Ad			, ADU	Calif	omia Ene				Cond. Floor A		# of Units
River						ate Zon			800	n/a	1
INSUL	ATION					Area					
Const	ruction	Туре		Cav	ity	(ft <sup>2</sup> )	S	pecia	al Feature	es	Status
Wall	Wood Fran	ned		R 19		832					New
Roof	Wood Fran	ned Rafter		R 30		746					New
Slab	Unheated	Slab-on-Grade		- no ins	ulation	746	Perim	= 122			New
FENE	STRATIC	DN	Total Area:	142	Glazing	Percenta	ge: 1	7.7%	New/Altered /	werage U-Factor:	0.30
Orient	tation /	Area(ft <sup>2</sup> )	U-Fac S	HGC	Overl	nang	Sidef	ins	Exterior	Shades	Status
Front (N)		20.0	0.300	0.23	none		none		N/A		New
Right (W)		36.3	0,300	0.23	none		none		N/A		New
Rear (S)		16.0	0.300	0.23	none		none		N/A		New
Left (E)		69.3	0.300	0.23	none		none		N/A		New
	AVATE	10									
	SYSTE	vis		•					_		<b>0</b> 1-1
Qty.	Heating		Min. Eff		oling			. Eff		hermostat	Status
1	Electric Heal	t Pump	8.20 HSPF	Spli	t Heat Pu	mp	14.0	SEER	Set	back	New
10/40	DIATOU	NITION								Durat	
Locati	DISTRIE		tina	<b>C</b> -	olina	Due	4 L	tion		Duct R-Value	Status
Mini Split			s / with Fan		oling		t Loca	ation			
wini apin		Ducies	s / wun ran	Duct	1622.	n/a				n/a	New
WATE	RHEAT	ING									
Qty.	Туре		Gall	ons	Min.	Eff	Distri	butic	on		Status
1	Heat Pump		40		3.10		Standar	đ			New
EnergyPi	ro 9.2 by Ene	rgySoft Use	<sup>•</sup> Number: 50256						ID;		Page 14 of 29

	2022 Single-Family Residential Mandatory Requirements Summary
§ 150.0(m) 13:	Space Conditioning System Airflow Rate and Fan Efficacy. Space conditioning systems that use ducts to supply cooling must have a hole for the placement of a static pressure probe, or a permanently installed static pressure probe in the supply plenum. Airflow must be $\geq$ 350 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy $\leq$ 0.45 watts per CFM for gas furnace air handlers and $\leq$ 0.58 watts per CFM for all others. Small duct high velocity systems must provide an airflow $\geq$ 250 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy $\leq$ 0.62 watts per CFM. Field verification testing is required in accordance with Reference Residential Appendix RA3.3. *
Ventilation and In	idoor Air Quality:
§ 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 airflow required per §150.0(o)1C. A motorized damper(s) must be installed on the ventilation duct(s) that prevents all airflow 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:	Who ke-Dweiling Unit Mechanical Ventilation for Single-Family Detached and townhouses. Single-family detached dwelling units, and attached dwelling units not sharing ceilings or floors with other dwelling units, occupiable spaces, public garages, or commercial spaces must have mechanical ventilation airflow specified in § 150.0(o)(1C+ii.
§ 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)10iii.enclosed kitchens and bathrooms can use demand-controlled or continuous exhaust meeting §150.0(o)1Giii-lv. Airflow must be measured by the installer per §150.0(o)1Gv, and rated for sound per §150.0(o)1Gvi. *
§ 150.0(o)1H&I:	Airflow Measurement and Sound Ratings of Whole-Dwelling Unit Ventilation Systems. The airflow required per § 150.0(o)1C mus be measured by using a flow hood, flow grid, or other airlow measuring device at the fan's inlet or outlet terminals/grilles per Reference Residential Appendix RA37. Whole-Dwelling unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less than th minimum airflow rate required by §150.0(o)1C.
§ 150.0(o)2:	Field Verification and Diagnostic Testing. Whole-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating, and HRV and ERV fan efficacy must be verified in accordance with Reference Residential Appendix R43.7. Vented range hoods
	must be verified per Reference Residential Appendix RA3.7.4.3 to confirm if it is rated by HVI or AHAM to comply with the airflow rates and sound requirements per §150.0(o)1 G
Pool and Spa Sys	stems 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 isting in MAED6S; an on-off switch mounted outside of the heater that allows shutting off the heater without adjusting the thermostat setting; a permanent weatherproof plate or card with operating instructions; and must not use electric resistance heating.
§ 110.4(b)1:	Piping. Any pool or spa heating system or equipment must be installed with at least 36 inches of pipe between the filter and the heater, 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. Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump
§ 150.0(p):	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 minors, and garage door openers, nakgation lighting less than 5 watts; and lighting internal to drawers, cabinets, and in
	cosets with an efficacy of at least 45 lumens per wait.
§ 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 Cellings. Luminaires recessed into cellings 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 Exhaust Fans. Lighting integral to exhaust fans (except when installed by the manufacturer in kitchen exhaust hoods) must meet the applicable requirements of § 150.0(k).

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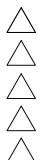
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1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS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

revisions



description

date

Energy

Calculations

project no. Riverside ADU

sheet no. 🕇 🦵

drawn by DESIGN PATH STUDIO

October 2023

	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, cabinet 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 tum the light off when the drawer or door is closed.
§ 150.0(k)2F:	Dimmers. Lighting in habitable spaces (e.g., kving 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 mere
§ 150.0(k)4:	applicable requirements may be used to meet these requirements. Internally 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 9 or other parts of Title 24 or in any requirements adopted by a local jurisdiction. The solar zone total area must be comprised of areas that have no dimension less than 5 feet and are no less than 80 square feet cach for buildings with roof areas less than or equal to 10,000 square feet on loss 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 a comparable document for a service of the construction of the solar zone to the water-heating system and the construction documents or a comparable document indicating the information from § 110(b) (c) must be a comparable document for the solar zone to the solar
§ 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 busbar 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, or a dedicated raceway from the main service to a subpanel that supplies the branch circuits in § 150.0(s); at least four branch circuits must be identified and have their source collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit near the primary exit, and one circuit supplying a sleeping room 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 permanently marked as "For Future 240V use."
§ 150.0(u)	Electric Cooktop Ready. Systems using gas or propane cookbop to serve individual dwelling units must include: A dedicated unobstructed 240V branch circuit wining installed within 3' of the cookbop 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 <sup>sheet no.</sup> **T24.3** 

October 2023

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date

City of Riverside Pre-Approved ADU Program

project

HVAC SYSTEM HE Project Name	ATING	AND COOLING LOAD	S SUM	MARY		Date	
800sf 2 Bedroom - Rivers	side ADU					10	/4/2023
System Name Mini Split						Floor	Area 800
ENGINEERING CHECKS		SYSTEM LOAD			_		000
Number of Systems	1	STOTEM LOAD	001	COOLING P	EAK	0	IG. PEAK
Heating System			CFM	Sensible	Latent	CFM	Sensible
Output per System	24,000	Total Room Loads	406	8,496	247	269	10,409
Total Output (Btuh)	24,000	Return Vented Lighting		0			
Output (Btuh/sqft)	30.0	Return Air Ducts		0			C
Cooling System		Return Fan		0			0
Output per System	24,000	Ventilation	0	0	0	0	
Total Output (Btuh)	24,000	Supply Fan	-	0	-	-	0
Total Output (Brun)	2.0	Supply Air Ducts		0			
Total Output (Btuh/sqft)	30.0	Supply All Ducts		-			-
Total Output (Stun/sqit)	400.0	TOTAL SYSTEM LOAD		8,496	247	ł	10,409
Air System	1000	TOTAL STSTEM LOAD		0,100	E-17		10,100
CFM per System	300	HVAC EQUIPMENT SELECTION					
	300	Minisplit		21,668	0		15,402
Airflow (cfm)	0.38	anser over gene		# 1 fana		F	10,102
Airflow (cfm/sqft)	150.0					F	
Airflow (cfm/Ton)	0.0%	Total Advantad Conton Output		21,668	0	F	15,402
Outside Air (%)	0.00	Total Adjusted System Output (Adjusted for Peak Design conditions)		a			r sep r sem
Outside Air (cfm/sqft)		TIME OF SYSTEM PEAK			Aug 3 PM		Jan 1 AM
Note: values above given at AR HEATING SYSTEM PSYCHR		Airstream Temperatures at Time of	of Heating	Peak)	rugorn		04111746
27 °F 68 °F Outside Air 0 cfm Supply Fa 300 cfm	-				RC	MOM	05 °F
		(Airstream Temperatures at Time of	of Cooling	Peak)			
100/69 年 75/	32 °F 75	/ 62 °F 55 / 54 °F					
Outside Air 0 cfm 75 / 62 क	Supply Fan 300 cfm	Cooling Col		47.9%	RC	MOM	/ 54 °F / 62 °F
<u>م</u> دا 		<u></u>					J 

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