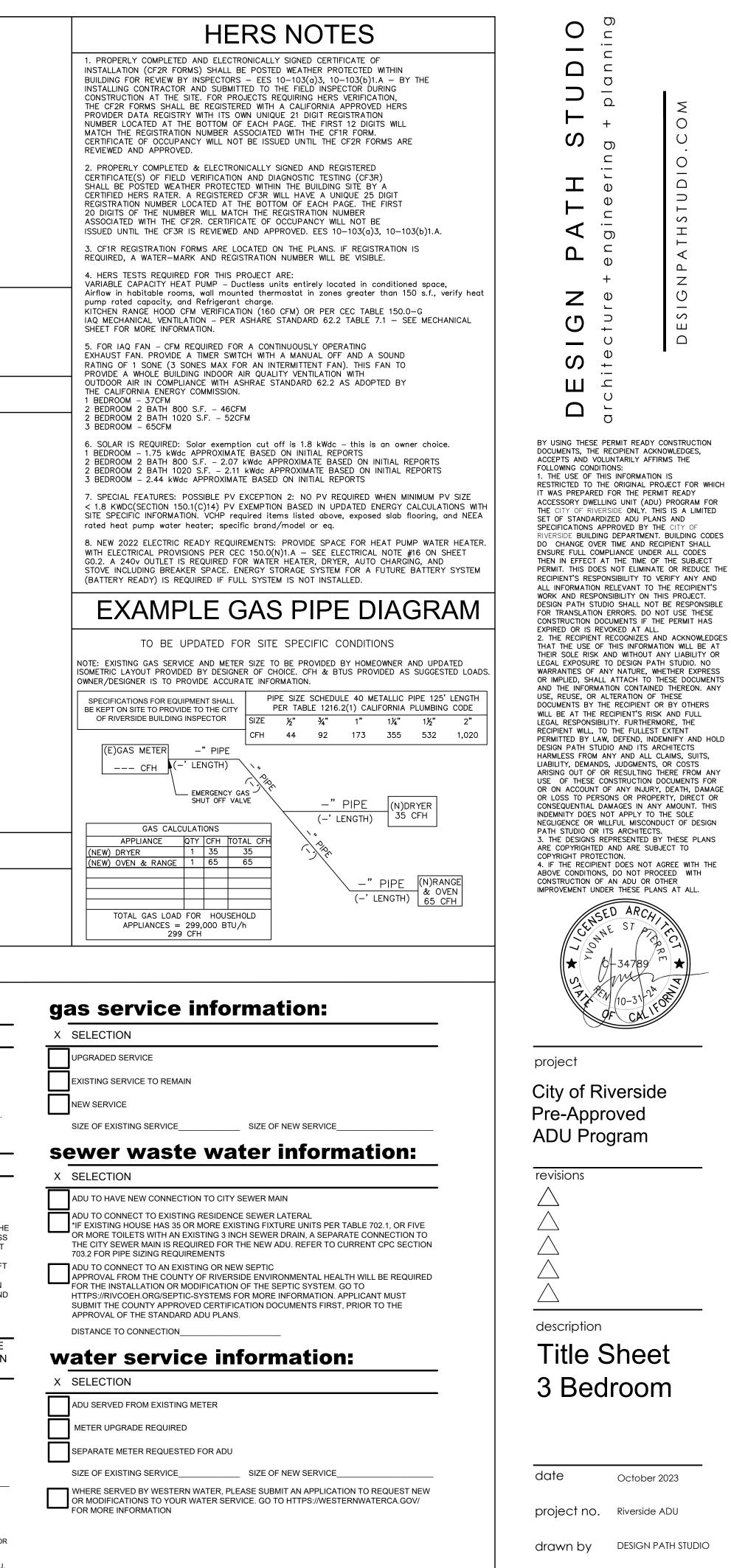
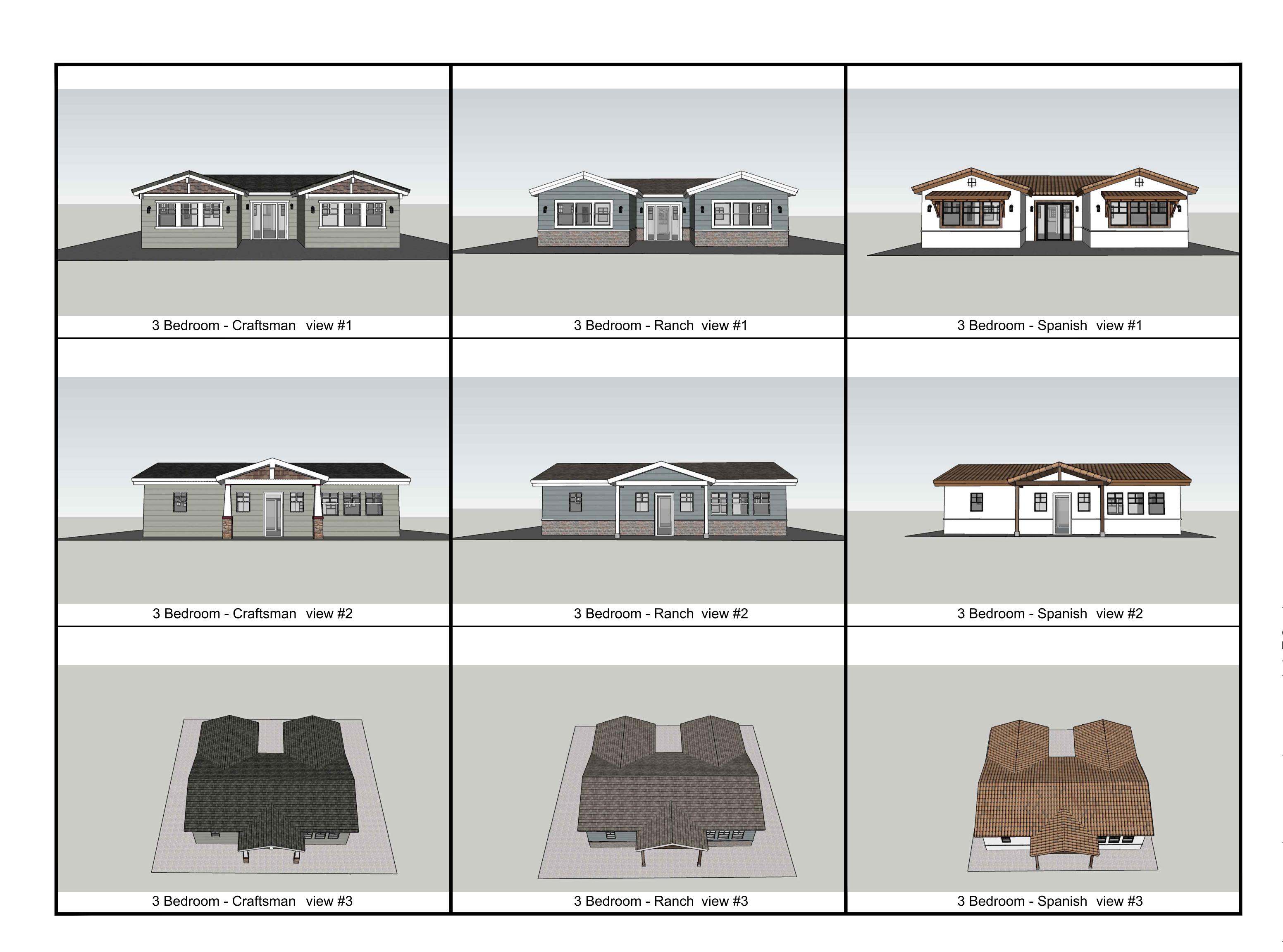
APPLICANT AGREEMENT			
APPLICANT AGREES TO PROVIDE ALL NECESSARY INFORMATION REQUIRED TO COMPLETE THESE CONSTRUCTION DOCUMENTS. MODIFICATIONS TO THE PERMIT READY DOCUMENTS PROVIDED BY DESIGN PATH STUDIO ARE TO BE DISCLOSED BY THE APPLICANT AND APPROVED BY THE AUTHORITY HAVING JURISDICTION. ANY MODIFICATIONS 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.	3	cessory Dwelling L Bedroom - 1200 s. City of Riverside, C	f.
SIGNATURE: DATE:			
SHEET INDEX			
T1.1 TITLE SHEET T1.2 EXTERIOR STYLE OPTIONS AS.1 SITE INFORMATION		FILITY COMPANIES REGARDING GAS AND U. SEE EXAMPLE SITE PLAN, SHEET AS.:	
AS.2 SITE PLAN (PROVIDED BY OWNER) GO.1 RESIDENTIAL MANDATORY FEATURES 2022 CALGREEN GO.2 GENERAL NOTES	ZONING INFORMATION	DIRECTORY	VICINITY MAP
G0.3 GENERAL NOTES A0.1 DOOR AND WINDOW SCHEDULES A1.1 FLOOR PLAN / ROOF PLAN CRAFTSMAN	CONTACT CITY OF RIVERSIDE FOR THE INFORMATION BELOW		
A1.2 FLOOR PLAN/ ROOF PLAN RANCH A1.3 FLOOR PLAN/ ROOF PLAN SPANISH	EMAIL: CDDINFO@RIVERSIDECA.GOV PHONE: 951-826-5800 ZONING :	SITE PLAN & TITLE SHEET INFORMATION PREPARED BY: COMPANY	PROVIDED BY OWNER
A2.1 MECHANICAL/PLUMBING/ELECTRICAL PLANS A3.1 EXTERIOR ELEVATIONS CRAFTSMAN A3.2 EXTERIOR ELEVATIONS RANCH	OVERLAY :	CONTACT PERSON ADDRESS	
A3.3 EXTERIOR ELEVATIONS SPANISH A4.1 BUILDING SECTIONS CRAFTSMAN	LOT SIZE :	PHONE EMAIL	
A4.2 BUILDING SECTIONS CRAFTSMAN A4.3 BUILDING SECTIONS RANCH A4.4 BUILDING SECTIONS RANCH	EXISTING HABITABLE SQ. FT. :	PROPERTY OWNER:	
A4.5BUILDING SECTIONS SPANISHA4.6BUILDING SECTIONS SPANISHA5.1ARCHITECTURAL WALL FINISH DETAILS	LOT SLOPE : ADU SETBACKS FROM PROPERTY LINE	NAME ADDRESS	
A5.2 ARCHITECTURAL ROOF FINISH DETAILS A5.3 ARCHITECTURAL DETAILS S.1 STRUCTURAL NOTES & SPECIFICATIONS	ALLOWED : FRONT- PROPOSED : FRONT-	PHONE	
S.2 FOUNDATION AND FRAMING PLANS CRAFTSMAN S.4 FOUNDATION AND FRAMING PLANS RANCH	REAR- REAR- SIDE- SIDE-	EMAIL	
S.5FOUNDATION AND FRAMING PLANS SPANISHS.6STRUCTURAL DETAILSS.7STRUCTURAL DETAILST24.1ENERGY CALC.	STREET SIDE-	BUILDING DEPARTMENT:	
T24.2 ENERGY CALC. T24.3 ENERGY CALC.	ADU SETBACKS FROM MAIN RESIDENCE	CITY OF RIVERSIDE BUILDING & SAFETY DEPARTMENT 3900 MAIN STREET, RIVERSIDE, CA 92522	
BUILDING INFORMATION	ALLOWED : PROPOSED :	P. (951)826-5800	
GOVERNING CODES: APPROVAL OF THIS PROJECT SHALL COMPLY WITH THE 2022 CALIFORNIA	OFF STREET PARKING :	PROJECT DESCRIPTION	
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.	REQUIRED: PROVIDED:	NEW CONSTRUCTION OF A ONE STORY, 3 BEDROOM 2 BATH, DETACHED 1200 S.F. ACCESSOF DWELLING UNIT PORCH AREAS:	Ŷ
		CRAFTSMAN: 76 S.F. RANCH: 66 S.F. SPANISH: 66 S.F.	
SITE ADDRESS:	APN	LEGAL DESCRIPTION	APN
GOVERNING AGENCY:CITY OF RIVERSIDE, CA.OCCUPANCY GROUP:R3STORIES:1TYPE OF CONSTRUCTION:VB		PROVIDED BY OWNER	PROVIDED BY OWNER
TO BE COMPLETE BY CITY STAFF	REQUIRED SUPPLE	MENTAL INFORMATION - TO BE CO	MPLETED BY OWNER
required supplemental information	additional plan information	roof framing:	fire sprinkler information:
provided by city staff	provided by applicant:	X SELECTION	X SELECTION
X SELECTION THE BUILDING IS IN THE FLOOD HAZARD AREA.	X COMPLETED TITLE SHEET (T1.1) INFORMATION FILLED OUT	ROOF FRAMING PER PLAN ROOF TRUSSES - IN LIEU OF ROOF DETAILS PROVIDED ON THESE PLANS. HOMEOWNER IS	EXISTING RESIDENCE CURRENTLY HAS FIRE SPRINKLERS
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.	SITE PLAN SHEET (AS.2) PROVIDED IN PLAN SET FOR CITY REVIEW	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	FOR ADU'S IN VERY HIGH FIRE SEVERITY ZONES, PLEASE CONTACT THE CITY OF
THE BUILDING IS LOCATED IN A VERY HIGH FIRE SEVERITY ZONE (VHFSZ)	UPDATED TITLE 24 ENERGY CALCULATION REPORT WITH CORRECT NAME, ADDRESS, AND EXACT ORIENTATION FOR SITE SPECIFIC CONDITIONS. OWNER MAY CONTACT	SUBMITTAL roof material:	RIVERSIDE FIRE PREVENTION DIVISION AT 951-826-5737 FOR ADDTIONAL REQUIREMENTS
THE BUILDING IS IN AN AREA IMPACTED BY A CNEL NOISE LEVEL OF 60dBA OR ABOVE.	THE ENTITY WHO PREPARED THE ORIGINAL REPORT (SHOWN ON T24.1) TO OBTAIN UPDATES TO THE REPORT.	x selection	fire rated details:
NOTE: APPLICANT MUST COMPETE THE PRESCRIPTIVE NOISE INSULATION REQUIREMENTS CHECKLIST ON AS.1	HOLD HARMLESS AGREEMENT	ROOF COLOR OF PRINCIPAL DWELLING UNIT	ROOF EAVE DETAIL 1,2,3,5,6,7/A5.2
EASEMENTS OCCUR WITHIN THE PROPERTY. <u>NOTE</u> : SITE PLAN WITH EASEMENT LOCATION TO BE PROVIDED BY CITY STAFF	GRADING EXCEPTION JUSTIFICATION FORM	TRIM COLOR OF PRINCIPAL DWELLING	WALL FINISH DETAIL 9B,12B,15B/ A5.1
SERVED BY WESTERN WATER		(TRIM COLOR OF ADU TO MATCH PRINCIPAL DWELLING UNIT TRIM)	FIRE RATED DETAILS ABOVE ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN T VERY HIGH FIRE SEVERITY ZONE (VHFSZ) OR WHEN WALLS AND ROOF EAVES ARE LES THAN 5 FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3 F FROM PROPERTY LINE IN SPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2).
PARK OR TRAIL IMPACT ASSESSMENT	WAIVER OF GEOTECHNICAL INVESTIGATION FORM	MINIMUM 2-1/2:12 ROOF SLOPE. COLOR OF CONCRETE TILE ROOF	FROM FROPERTY LINE IN SPRINKLERED BUILDINGS FER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ABOVE ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 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
BE ADVISED, SHOULD THE PROPOSED ADU BE 750SF OR OVER AND LOCATED ADJACENT A TRAIL CORRIDOR, A TRAIL EASEMENT WILL NEED TO BE DEDICATED PRIOR TO CERTIFICATE OF OCCUPANCY.	signature required see sheet as.1 exterior style selection:	ARCHITECTURAL GRADE SHINGLE - CERTAINTEED - ICC-ES ESR-3537 MINIMUM 2:12 ROOF SLOPE. COLOR OF ARCHITECTURAL GRADE SHINGLES	sheet as.1 for further information on building separation/projections ar fire rating requirements.
	X SELECTION (SEE SHEET T1.2 FOR EXTERIOR RENDERING)	OTHER ROOF MATERIAL / COLOR / ICC / UL:	SELECTION: INFORMATION BELOW IS TO BE INDICATED ON THE SITE X PLAN SPECIFIC FOR EACH PEROPERTY. SEE AS.1 SITE INFORMATIO
	CRAFTSMAN RANCH	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	CHECKLIST
	SPANISH	window and trim color:	RELOCATE OR UPGRADE SERVICE A SEPARATE PERMIT WILL BE REQUIRED TO RELOCATE OR UPGRADE THE SERVICE UNDER THE FOLLOWING CIRCUMSTANCES: 1. THE EXISTING ELECTRICAL SERVICE IS LESS THAN 200A.
	exterior wall material:	X SELECTION	 AN ELECTRICAL SERVICE OF LESS IN A 200A. AN ELECTRICAL SERVICE GREATER THAN 200A IS REQUESTED. EXISTING OVERHEAD SERVICE ENTRANCE WIRES COINCIDE WITH LOCATION OF THE PROPOSED ADU. A SEPARATE METER IS DESIRED FOR THE ADU.
deferred submittals - separate	X SELECTION(S) EXTERIOR WALL COLOR OF PRINCIPAL DWELLING UNIT	WINDOW COLOR OF PRNCIPAL DWELLING UNIT (WINDOW COLOR SELECTION BELOW FOR THE ADU IS TO MATCH PRINCIPAL DWELLING)	EXISTING SERVICE TO REMAIN
permit to be obtained by applicant:	(EXTERIOR WALL COLOR OF ADU IS TO MATCH PRINCIPAL DWELLING UNIT)	WHITE TAN	SIZE OF EXISTING SERVICE SIZE OF NEW SERVICE A SINGLE POINT OF CONNECTION SHALL BE SUPPLIED FOR THE ADU AND MAIN DWELLING. ADU
X TO BE COMPLETED	STONE VENEER / COLOR	DARK BRONZE	SHALL HAVE A SUBPANEL ONLY, WITH NO METER. APPLICANT TO PULL A SEPARATE PERMIT TO UPGRADE THE EXISTING SERVICE OR UPGRADE THE EXISTING TO A DUAL METER PANEL. 1. CUSTOMER TO REVISE DRAWINGS TO REFLECT SINGLE POINT OF CONNECTION AND MAP ALL
FIRE SPRINKLERS (WHEN REQUIRED)	FIBER CEMENT - SIDING / COLOR	OTHER WINDOW COLOR	ELECTRICAL SERVICES WITHIN PROPERTY FOR ADU AND MAIN DWELLING. CUSTOMER RESPONSIBLE FOR FEE'S ASSOCIATED WITH RELOCATION OF ANY RPU SERVICE CABLES. 2. CUSTOMER TO SHOW CHANGES ON BOTH THE SITE PLAN AND ELECTRICAL PLAN
TRUSS CALCULATIONS (WHEN REQUIRED) PHOTOVOLTAIC SYSTEM - THE PV SYSTEM MUST BE INSTALLED, OPERATIONAL AND FINAL PRIOR	WOOD SIDING / COLOR OTHER		3. CUSTOMER TO SHOW EXISTING MAIN PANEL LOCATION, SIZE AND SUB PANEL LOCATION, SIZE ON AD 4. CUSTOMER WILL NEED TO PULL A SEPARATE PERMIT TO UPGRADE MAIN DWELLING TO DUAL METER PANEL SHOULD SEPARATE ELECTRICAL SERVICES BE REQUESTED. ADD (RELOCATION IF NEEDED TO PERMIT.)
TO FINAL BUILDING INSPECTION AND APPROVAL FOR THE ADU. *IF THERE IS AN EXISTING PHOTOVOLTAIC SYSTEM OF SUFFICIENT SIZE ON THE MAIN HOUSE TO ACCOMMODATE THE NEW ADU THEN HOMEOWNER IS TO PROVIDE A REPORT STATING THE EXISTING SIZE OF THE PV PANEL (WHEN REQUIRED)	PROPERTIES LOCATED IN VHFHSZ OR WUI ZONES ARE TO USE WUI COMPLIANT SPECIFICATION. APPLICANT IS TO PROVIDE WUI COMPLIANT INFORMATION IF DIFFERENT THAN LISTING ON SHEET G0.3		APPLICANT TO MAKE APPLICATION FOR NEW ELECTRIC METER ACCOUNT(S) FOR EACH NEW METER REQUIRED. TO SET UP ACCOUNT(S), CALL RIVERSIDE PUBLIC UTILITIES CUSTOMER SERVICE: 951-782-03 ALL CHANGEMARKS HAVE BEEN RESOLVED. PLEASE REFER TO ANY PROJECT CONDITIONS THAT MAY APPLY IN THE CONDITIONS REPORT PRIOR TO PERMIT ISSUANCE





		DESIGNPATHSTUDIO.COM
BY USING THESE PI DOCUMENTS, THE R ACCEPTS AND VOLU FOLLOWING CONDITI 1. THE USE OF THIS RESTRICTED TO THE IT WAS PREPARED ACCESSORY DWELLII THE CITY OF RIVER SET OF STANDARDIS SPECIFICATIONS API RIVERSIDE BUILDING DO CHANGE OVER ENSURE FULL COMP THEN IN EFFECT AT PERMIT. THIS DOES RECIPIENT'S RESPON ALL INFORMATION F WORK AND RESPON DESIGN PATH STUD FOR TRANSLATION OF CONSTRUCTION DOC EXPIRED OR IS REV 2. THE RECIPIENT F THAT THE USE OF THEIR SOLE RISK A LEGAL EXPOSURE T WARRANTIES OF AN OR IMPLIED, SHALL AND THE INFORMAT USE, REUSE, OR AL DOCUMENTS BY THE RECIPIENT WILL, TO PERMITTED BY LAW, DESIGN PATH STUD HARMLESS FROM AN LIABILITY, DEMANDS ARISING OUT OF OF USE OF THESE CO OR ON ACCOUNT O OR LOSS TO PERSO CONSEQUENTIAL DAS INDEMNITY DOES NO NEGLIGENCE OR WIL PATH STUDIO OR IT 3. THE DESIGNS RE ARE COPYRIGHTED COPYRIGHT PROTEC CA. IF THE RECIPIEN ABOVE CONDITIONS, CONSTRUCTION OF IMPROVEMENT UNDER	ECIPIENT ACKNO JNTARILY AFFIRM ONS: S INFORMATION E ORIGINAL PRO. FOR THE PERMIT NG UNIT (ADU) SIDE ONLY. THIS ZED ADU PLANS PROVED BY THE EDEPARTMENT. I TIME AND RECIP PLIANCE UNDER THE TIME OF NOT ELIMINATE VIBILITY TO VER ELEVANT TO THIS IO SHALL NOT E ERIORNS. DO NO CUMENTS IF THE OKED AT ALL. ECCOGNIZES AND EXECOGNIZES AND THIS INFORMATIC ND WITHOUT AN O DESIGN PATH IN NATURE, WHE ATTACH TO THE ION CONTAINED THE FULLEST E CONTAINED THE FULLEST C R RESULTING THE INSTRUCTION DO F ANY INJURY, DNS OR PROPER MAGES IN ANY DT APPLY TO TH LIFUL MISCONDU IS ARCHITECTS. PRESENTED BY AND ARE SUBJE TION. T DOES NOT AG DO NOT PROCE AN ADU OR OTH	WLEDGES, AS THE IS JECT FOR WHICH T READY PROGRAM FOR IS A LIMITED AND CITY OF BUILDING CODES PIENT SHALL ALL CODES
project City of Ri Pre-Appro ADU Prog	oved	
revisions		
description Exteri Style Option		
date	October 20	023
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drawn by	DESIGN PA	th studio
sheet no.	-1 .2	2



3900 Main Street, 3rd Floor • Riverside, CA 92522 951.826.5800 RiversideCA.gov/Building ffice Hours M-F: 8:00 AM -4:30 PM | Wednesdays 9:00 AM TO 4:30 PM

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

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

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

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

951.826.5800

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VENTILATION

FIREPLACES

EXISTING SWIMMING POOL REQUIREMENTS

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

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

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

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

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

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

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

FIRE NOTES

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

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

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

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

GENERAL NOTES

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

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

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

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

WALL AND PROJECTION SEPARATION REQUIREMENTS TO PROPERTY LINES AND ADJACENT BUILDINGS

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

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

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

TABLE R302.1(2)

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

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

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



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

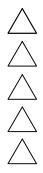
. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT.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



project

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

revisions



description

Site Informatior

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

SITE INFORMATION CHECKLIST:

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

KEYNOTES

DECK / AWNING / STRUCTURE ABOVE

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

10 SURFACE WATER IS TO DRAIN AWAY FROM

11 FEEDER TO EXTEND TO EXISTING PANEL

12 NEW ADU SUB PANEL / DISCONNECT /

SYSTEM PER NEC ARTICLE 250.32

BUILDING. GRADE SHALL FALL A MIN. OF 6"

JUNCTION BOX AND GROUNDING ELECTRODE

2 LINE OF ROOF OVERHANG /

3 REQUIRED SETBACKS

4 PROPERTY LINE, TYP.

6 EXISTING GAS METER

9 CONDENSING UNIT

5 FENCE- HEIGHT PER PLAN

7 EXISTING WATER METER

WITHIN THE FIRST 10 FEET

PROPOSED SITE PLAN

LEGEND

1/16" = 1'-0"

TREET MANE

WAT.MET

13

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CURB

7

5

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DRIVEWAY

1 1% MIN

12% MAL

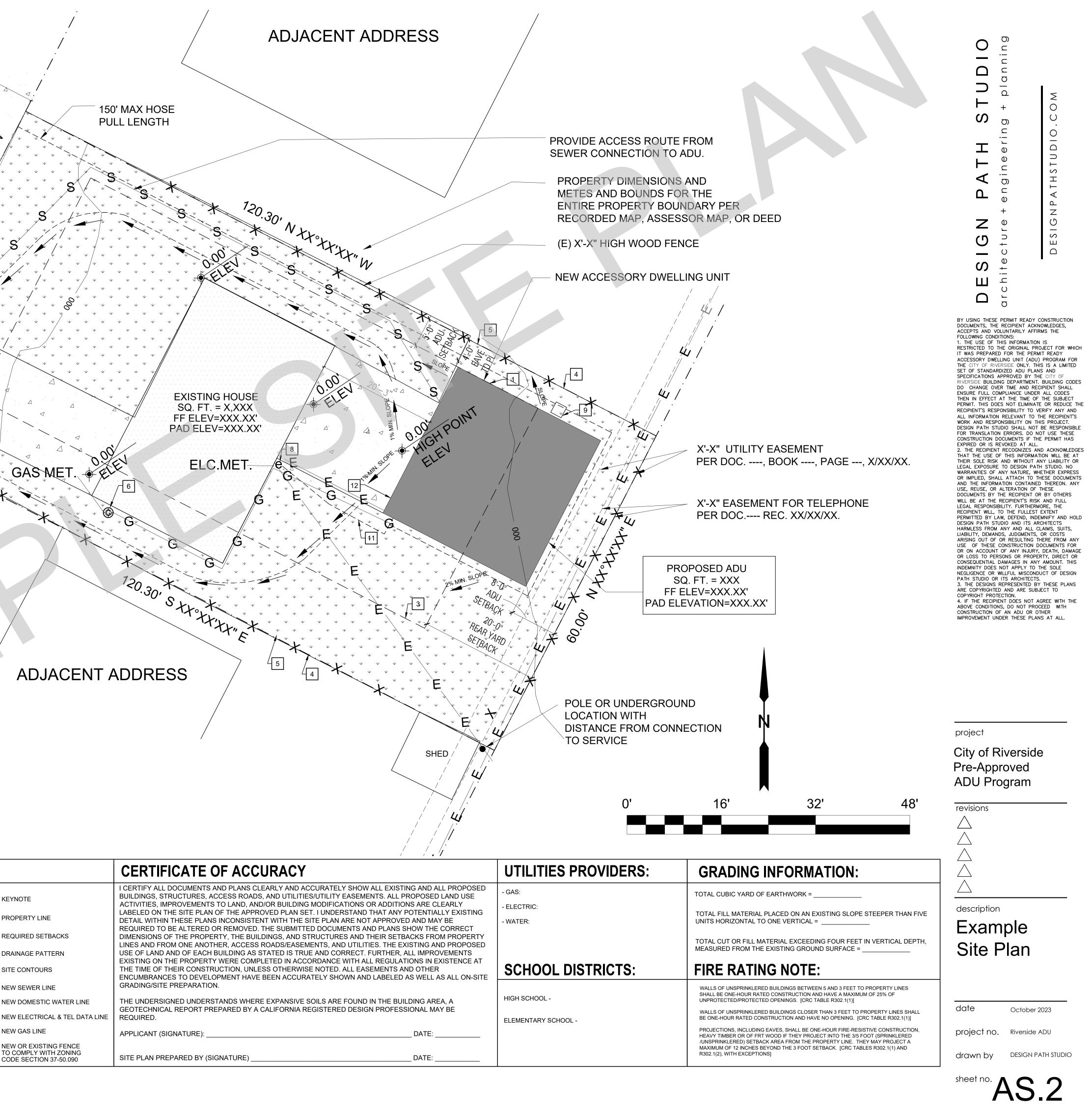
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GENERAL NOTES 1 LINE OF EXTERIOR WALL, TYP.

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

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



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

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

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

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

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

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

- a. Humidity controls shall be capable of adjustment between a relative humidity range less than or equal to 50% to a maximum of 80%. A humidity control may utilize manual or automatic means of adjustment
- b. A humidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in)

acceptable

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

4.507 ENVIRONMENTAL COMFORT

- 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods:
- 1. The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J 2011 (Residential
- Load Calculation), ASHRAE handbooks or other equivalent design software or methods. 2. Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems),
- ASHRAE handbooks or other equivalent design software or methods. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection), or other equivalent design software or methods.
- **Exception:** Use of alternate design temperatures necessary to ensure the system functions are

CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

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

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

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

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

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

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

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

703 VERIFICATIONS

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

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

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

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

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

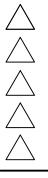
4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.



project

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

revisions



description

Calgreen

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

	ARCHITECTUAL GENERAL NOTES	1 4	ROOF NOTES (CONT'D)	40	FLOOR PLAN NOTES (CONT'D)		
	DO NOT SCALE THE DRAWING, USE THE DIMENSIONS ONLY. IF A DISCREPANCY IS FOUND TO EXIST, NOTIFY THE OWNER. THESE PLANS/SPECIFICATIONS AND ALL WORK SHALL COMPLY	14.	FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH	19.	VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION 4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR: ADHESIVES, PAINTS, STAINS, CAULKS AND COATINGS, CARPET	5.	
	WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CCR AND CURRENT CPC, CMC AND CEC CODES.		SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK		AND COMPOSITION WOOD PRODUCTS.DOCUMENTATION SHALL BE PROVIDED TO VERIFY THAT COMPLIANT VOC LIMIT FINISHED MATERIALS HAVE BEEN USED.	6.	[
8.	DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT THE JOB DIMENSIONS OR CONDITIONS AND IS	15.	IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. PER SECTION R806.5/EM3.9.6:	20.	INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL	7. 8.	г А
	TO BE REVIEWED AND APPROVED BY THE CITY OF RIVERSIDE.		a. WHERE ONLY AIR-IMPERMEABLE IS PROVIDED, IT SHALL BE APPLIED IN DIRECT CONTACT WITH UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING.		ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH	9.	ł
ŀ.	VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO STARTING ANY WORK.		b. WHERE AIR-PERMEABLE INSULATION IS INSTALLED DIRECTLY BELOW THE STRUCT. SHEATHING, RIGID BOARD OR SHEET		A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH	10.	[
5.	ALL WEATHER-EXPOSED SURFACES ARE TO HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL		INSULATION SHALL BE INSTALLED DIRECTLY ABOVE THE STRUCTURAL ROOF SHEATHING w/ MIN. R VALUE BASED ON CLIMATE ZONE PER TABLE R806.5.	21.	MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT	11.	F
	COVERING AND THAT EXTERIOR OPENINGS ARE TO BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.		C. WHERE BOTH AIR-IMPERMEABLE AND AIR-PERMEABLE INSULATION ARE PROVIDED, THE AIR-IMPERMEABLE INSULATION		NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE	12.	(
	SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE CITY OF RIVERSIDE BUILDING INSPECTOR		SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCT. ROOF SHEATHING w/ MIN. R VALUE BASED ON CLIMATE ZONE PER TABLE R806.5.FOR CONDENSATION		SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE OF THE LISTED METHODS LISTED IN CGC SECTION 4.505.3	13.	l
7.	AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY CONSTRUCTION, RECONSTRUCTION, OR CLOSURE OR THE ROADWAY, SIDEWALK OR RIGHT OF WAY. APPLICANT SHALL		CONTROL. FLOOR PLAN NOTES	22.	PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE		
i.	CONTACT ENGINEERING DEPARTMENT TO PROCESS. APPLICANT IS RESPONSIBLE TO PROVIDE SITE PLAN (PLOT PLAN)	1.	ALL DIMENSIONS TO FACE OF STUD, U.N.O.		AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED	14.	
).	TO THE CITY FOR REVIEW AND APPROVAL. APPLICANT IS RESPONSIBLE TO VERIFY WHETHER THE JOB SITE IS	2. 3.	ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF	23.	WITH THE APPROVED PLANS LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER	16.	ľ
	LOCATED WITHIN A FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD ZONE. PROJECTS LOCATED IN A SPECIAL FLOOD HAZARD AREA DESIGNATED ON THE FLOOD INSURANCE RATE MAP	0.	DRAWINGS. CONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY OWNER OF ANY	24.	BASED CONTROLLERS. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL SHALL MANAGE STORM WATER DRAINAGE DURING	10.	 !
	(FIRM) AS ZONE A OR AE, SHALL PROVIDE AN ELEVATION CERTIFICATE WITH SUPPORTED DOCUMENTS TO THE CITY FOR	4.	DISCREPANCIES. REFER TO FRAMING PLANS AND SECTIONS FOR CLARIFICATION AND DIM. NOT SHOWN .		CONSTRUCTION BY ONE OF THE FOLLOWING: A. RETENTION BASIN. B. WHERE STORM WATER IS CONVEYED TO A PUBLIC	17.	F ;
0.	REVIEW AND APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE. SUBMIT GRADING PLANS AND/OR PROVIDE ADU GRADING PERMIT EXEMPTION CHECKLIST FOR REVIEW AND APPROVAL AT	5.	ALL ROOF DRAIN PIPES TO BE MIN. 2" STORM DRAINAGE SYSTEM UNLESS LOCAL CODE REQUIRES LARGER DRAIN SIZES.		DRAINAGE SYSTEM, WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER APPROVED METHOD. CGC 4.106.2.		F
1.	TIME OF PERMIT APPLICATION. THE PV SYSTEM WILL BE SUBMITTED UNDER A SEPARATE PERMIT.		ROOF GUTTERS: <u>STYLE A . INSTALLED AND DESIGNED IN ACCORDANCE WITH</u> SMACNA MANUAL, PLATE #1,#2 & #3,GUTTER. PAGE 6 - 11,	25.	THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN TO THE JURISDICTION AGENCY THAT	18.	ر ۱
	A PHOTOVOLTAIC (SOLAR) SYSTEM BUILDING AND ELECTRICAL PERMIT SHALL BE ISSUED PRIOR TO ADU BUILDING FRAME INSPECTION REQUEST.		WIDTH AS REQUIRED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2.	26.	REGULATES WASTE MANAGEMENT, PER CGC 4.408.2. THE BUILDER IS TO PROVIDE AN OPERATION MANUAL	1	
2.	SOIL REPORT REQUIREMENT: IF A SOILS REPORT IS REQUIRED BY THE LOCAL JURISDICTION, THE GEOTECHNICAL INVESTIGATIONS		GUTTER: SIZE; PAGES 1,2, 3, 4, 5 &6, CHARTS#1,#2,#3,#4,#5#6 & #7 <u>STYLE;</u> PLATE #2, STYLE A, PAGE 9		(CONTAINING INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0		/ [
	SHALL BE CONDUCTED IN ACCORDANCE WITH CBC SECTION 1803.2 AND REPORTED IN ACCORDANCE WITH CBC SECTION 1803.6THE GEOTECHNICAL ENGINEER OF RECORD SHALL REVIEW THE CITY		EXPANSION;PLATE #6, PAGE 16 &17 HANGING; PLATE #19, FIG. C, PAGE 43. DOWN SPOUTS:	27.	DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE	2.	2
	APPROVED PLANS FOR GENERAL CONFORMANCE WITH THE SOIL REPORT; OTHERWISE, AN ALTERNATE FOUNDATION PLAN		PLAIN RECTANGULAR.AS REQUIRED BY SMACNA MANUAL CHART #3, PAGE #3. SEE ARCHITECT FOR LOCATIONS OF	28.	COVERED. CGC 4.504.1 BATHROOM FANS SHALL BE ENERGY STAR RATED, VENTED		1 2 1
	DESIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER IS REQUIRED		DOWN SPOUTS. ALL DOWN SPOUTS ARE TO BE DESIGNED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2. DOWN SPOUTS ARE	29.	DIRECTLY TO THE OUTSIDE AND CONTROLLED BY A HUMIDISTAT. SPECIAL INSPECTORS EMPLOYED BY THE ENFORCING AGENCY		-
	ROOF NOTES		TO DEPOSIT DIRECTLY OVER A NDS 6 INCH SQUARE, MODEL 641 OR APPROVED EQUAL.(SEE SECTION 02710 MORE		MUST BE QUALIFIED AND ABEL TO DEMONSTRATE COMPETENCE IN THE DISCIPLINE THEY ARE INSPECTING.	3.	E
•	FLASHINGS SHALL BE INSTALLED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE	6.	TRANSITION OF FLOOR MATERIALS OCCURRING IN OPENINGS	30.	VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOC. PLANS, SPECIFICATION BUILDER OR INSTALLER CERTIFICATIONS, INSPECTIONS REPORTS, OR OTHER		ł
	MATERIALS AND AT INTERSECTIONS WITH PARAPET WALLS AND OTHER PENETRATIONS THROUGH THE ROOF PLANE.		WITH DOORS TO BE LOCATED UNDER THE CENTER OF THE DOOR IN THE CLOSED POSITION. TRANSITION OF FLOOR MATERIAL OCCURRING WITH NO DOOR TO BE LOCATED TO		METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH TO SHOW SUBSTANTIAL CONFORMATION.		l
<u>}</u> . 8.	UNLESS ROOFS ARE SLOPED TO DRAIN OVER ROOF EDGES, ROOF DRAINS SHALL BE INSTALLED AT EACH LOW POINT OF ROOF. ROOF ASSEMBLIES SHALL BE OF MATERIALS THAT ARE	7.	ALIGN WITH THE FACE OF THE PARTITION, U.O.N DIFFUSERS AND GRILLS TO MATCH COLOR OF SURFACE AT	31.	NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION SHALL BE DESIGNED FOR AGING-IN-PLACE DESIGN AND FALL PREVENTION		(
		8.	WHICH THEY ARE MOUNTED, U.O.N. FLOOR FINISH TO CONTINUE UNDER MILLWORK WHERE FLOOR		PER R327 SEE SHEET A5.3 FOR AGING IN PLACE DETAILS A) AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED. WHERE THERE IS	5.	Ĭ
•	BUILDING-INTEGRATED PHOTOVOLTAIC PRODUCTS INSTALLED AS THE ROOF COVERING SHALL BE TESTED, LISTED AND LABELED FOR FIRE CLASSIFICATION IN ACCORDANCE WITH	0	IS VISIBLE (I.E. TRASH, RECYCLING, ECT.) 8. SILICON SEALANT AT GLAZING TO BE CLEAR, U.O.N. PLUMBING, ELECTRICAL, AND SPRINKLER EQUIPMENT, IF		NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH THIS SECTION.	6.	
	SECTION R902.1 THROUGH R902.4. ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF	9.	REQUIRED TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACE.		B) REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING		
	TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) UP TO	10.	ALL FINISH MATERIAL MUST MEET ALL APPLICATION FIRE, LIFE SAFETY, AND BUILDING CODES. 80% OF FLOOR AREA RECEIVING		AGENCY. C) REINFORCEMENT SHALL NOT BE LESS THAN 2 BY 8 INCH NOMINAL LUMBER. REINFORCEMENT SHALL BE LOCATED	7.	
	FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN		RESILIENT FLOORING SHALL COMPLY WITH SPECIFIED VOC CRITERIA. PARTICLE BOARD, MDF AND PLYWOOD USED IN INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW		BETWEEN 32 INCHES AND 39-1/4 INCHES ABOVE THE FINISHED FLOOR FLUSH WITH THE WALL FRAMING.	8.	
-	ACCORDANCE WITH SECTION R905.1.1. CLAY AND CONCRETE ROOF TILE SHALL BE INSTALLED ON ROOF SLOPES OF TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS	11.	FORMALDEHYDE EMISSION STANDARDS. OPERATION AND MAINTENANCE MANUAL: THE BUILDER IS TO		D) WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.		
	HORIZONTAL (25-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS		PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FOR MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION.		E) SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. F) BATHTUB AND COMBINATION BATHTUB/SHOWER	9.	
	HORIZONTAL (25-PERCENT SLOPE) TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE	12.	WEEP SCREED FOR STUCCO AT THE FOUNDATION PLATE LINE SHALL BE A MIN. OF 4" ABOVE THE EARTH OR 2" ABOVE PAVED		REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL		
		13.	AREAS. CRC R703.7.2.1, CBC 2512.1.2 FASTENERS AND CONNECTIONS (NAILS, ANCHORS BOLTS ECT)		REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES ABOVE THE BATHTUB RIM.		2 1 1
	UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER.		IN CONTACT WITH PRESERVATIVE -TREATED WOOD SHALL BE OF HOT -DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. (CRC R317.3, CBC		MECHANICAL NOTES	10.	
-	THE MINIMUM SLOPE FOR STANDING-SEAM ROOF SYSTEMS SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE).	14.	2304.10.5) ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS A MIN.	1.	CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL		l
).	BUILT-UP ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL		OF 0.229" X 3" X 3" IN SIZE, BETWEEN SILL PLATE AND NUT. (CRC R602.11.1, CBC 2308.3.2 ACCEPTANCE ALTERNATIVE SDPWS 4.3.6.4.3)		ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL DWELLING UNIT. [CRC R315.5] CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE		-
	(2-PERCENT SLOPE) FOR DRAINAGE, EXCEPT FOR COAL-TAR BUILT-UP ROOFS, WHICH SHALL HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL	15.	FUTURE WATER HEATERS AND PLUMBING FIXTURES SHALL MEET THE REQUIREMENTS OF SECTION 2-5314 AND TABLE 2-53G, TITLE		SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND, WHERE PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE	11.	[
0.	(1-PERCENT SLOPE).	16.	24, C.A.C. 15, 20 AND 30 AMP. RECEPTACLE OUTLETS SHALL BE INSTALLED		POWER FROM A BATTERY. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVERCURRENT PROTECTION. [CRC R315.6]	12.	l
	ROOF SLOPES BELOW ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL (8-PERCENT SLOPE).		NO MORE THAN 48" MEASURED FROM THE TOP OF OUTLET BOX AND NOT LESS THAN 15" FROM THE BOTTOM OF OUTLET BOX ABOVE THE FLOOR.	2.	WHERE WATER CLOSET COMPARTMENT IS INDEPENDENT OF THE BATHROOM OR SHOWER AREA, A FAN WILL BE REQ. IN	13.	(F
11.	NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS	17.	SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE APPROVED BY THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE		EACH AREA. BATHROOMS SHALL HAVE AN EXHAUST FAN WITH HUMIDITY CONTROL SENSOR, MIN. 50 CFM CAPACITY. (CRC R303.3.1)	13.	(
2.	HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE. SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS		THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY	3.	ROOMS CONTAINING BATHTUBS, SHOWERS, SPAS AND SIMILAR FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH	14.	
13.	HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE. A CLASS A ROOF ASSEMBLY SHALL BE INSTALLED. IF THE	10	THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPT.		HUMIDITY CONTROL SENSOR HAVING A MIN. CAPACITY OF 50 CFM DUCTED TO TERMINATE OUTSIDE THE BLDG. (CRC R303.3, CAL GREEN 4.505.1, CBC 1203 .5.2.1, CMC 402.5		 :
	APPLICANT DEVIATES FROM THE ROOF SPECIFICATIONS ON	18.	65 % OF CONSTRUCTION WASTE IS TO BE RECYCLED AND 100%				ŀ

MECHANICAL NOTES (CONT'D)

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

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

ELECTRICAL NOTES

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

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

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

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

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

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

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

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

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project

City of Riverside Pre-Approved ADU Program

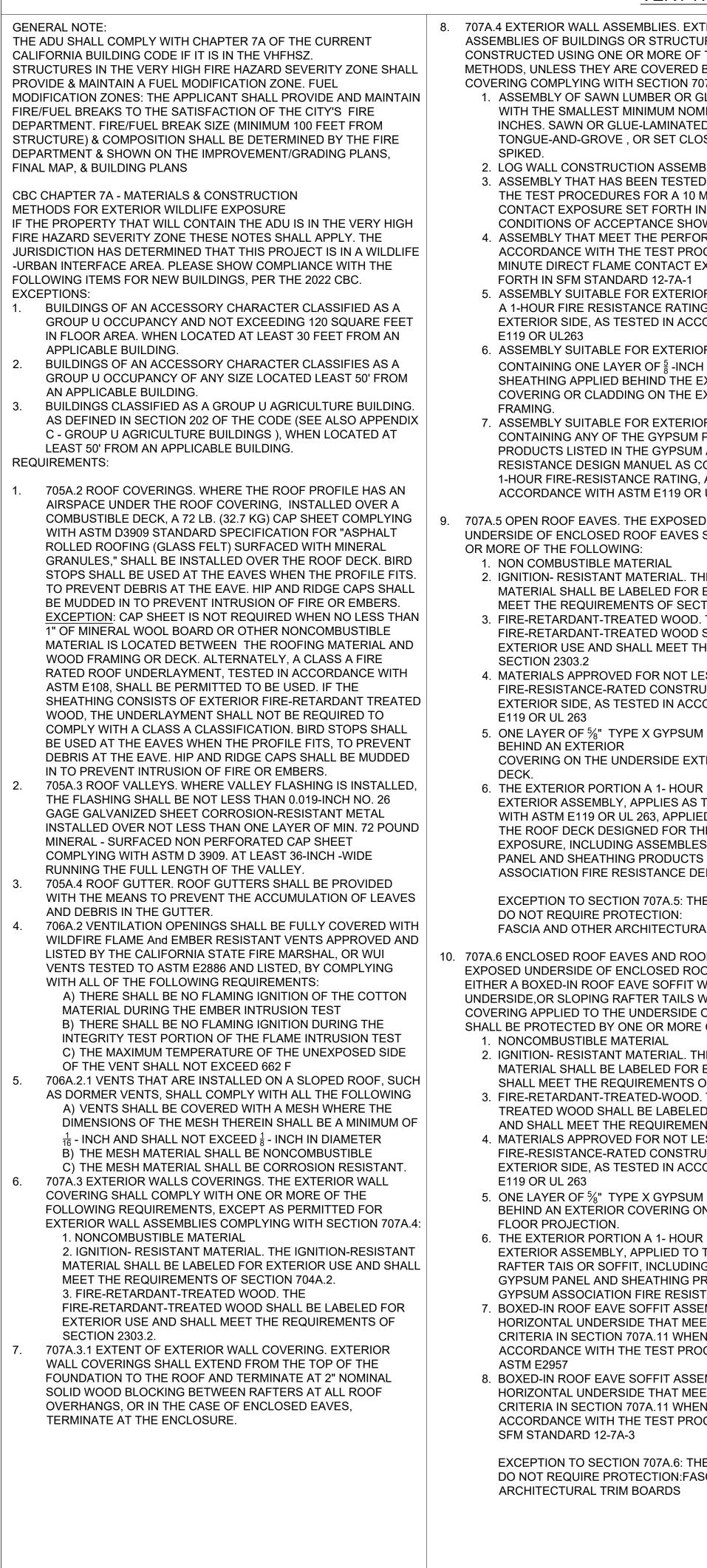
revisions



description

General Notes

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



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

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

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

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

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

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

VERY HIGH FIRE SEVERITY ZONE (VHFSZ) NOTES

RODE PECK ON THE SHALL CONSIST OF ONE EXEMPTION THE SHALL CONSIST OF ONE EXEMPTION THE STENDE OVER AN EXERCISE ONE ALL BE PROTECTED BY ON OF THE FOLLOWING: EXEMPTION THE STENDE OF SECTION TALL BE PROTECTED BY ON OF THE FOLLOWING: EXEMPTION THE STENDE OF SECTION TALL BE PROTECTED BY ON THE FOLLOWING: EXEMPTION THE STENDE OF SECTION TALL BE ADDINATE. MAD BEAMS ADDINESSIST ADDINATES AND SHALL INFORMATION THE STEP OF EXERCISE ON THE INFORMATION SHALL BE LABELED FOR SHALL MEET THE REQUIREMENTS OF SECTION TALL THE REPORT OF SECTION TALL BE ADDINATE. 100 DIVISION SHALL MEET THE REQUIREMENTS OF SECTION TALL THE REPORT OF SECTION TALL SEARCH STAND THE STEP OF THE REQUIREMENTS OF SECTION TALL SAND SHALL MEET THE REQUIREMENTS OF SECTION 23032 100 DIVISION SHALL MEET THE REQUIREMENTS OF SECTION TALL SAND SHALL MEET THE REQUIREMENTS OF SECTION 23032 100 DIVISION SHALL MEET THE REPROVEMENCE ON THE OLINO ASSEMULY TO VENTS STRAN 1-HOUR SECTION ACCORDANCE ESTED IN ACCORDANCE WITH ASTM USING THE CYPSUM USING T	RES SHALL BE THE FOLLOWING BY AN EXTERIOR WALL 7A.3: LUE LAMINATED WOOD INAL DIMENSION OF 4 O PLANKS SPLINED, SE TOGETHER AND WELL LY IN ACCORDANCE WITH IINUTE DIRECT FLAME ASTM E2707 WITH THE VN IN SECTION 707A.4.1. RMANCE CRITERIA IN CEDURES FOR A TEN (POSURE TEST SET R FIRE EXPOSURE WITH G, RATED FROM THE ORDANCE WITH ASTM R FIRE EXPOSURE TYPE X GYPSUM (TERIOR WALL (TERIOR SIDE OF THE R EXPOSURE PANEL AND SHEATHING ASSOCIATION FIRE OMPLYING WITH A AS TESTED IN UL 263	 707A.7 EXTERIOR PORCH CEILINGS. THE EXPOSED UNDERSIDE OF THE EXTERIOR PORCH CEILINGS SHALL BE PROTECTED BY ONE OF THE FOLLOWING: NON COMBUSTIBLE MATERIAL IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2 FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263 ONE LAYER OF ⁵/₈" TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING OR CLADDING ON THE UNDERSIDE OF THE RAFTER TAILS OR SOFFIT. THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119, APPLIED TO THE UNDERSIDE OF THE CEILING ASSEMBLY, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. PORCH CEILING ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957 PORCH CEILING ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3 EXCEPTION TO SECTION 707A.7: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION 707A.8 FLOOR PROJECTIONS. THE EXPOSED UNDERSIDE OF A 		ENFORCING AGEN APPENDAGES SH WITH THE REQUIN OF THE EXPOSED FOLLOWING: 1. NONCOME 2. IGNITION- MATERIAL SH MEET THE RE 3. FIRE-RETA TREATED WO SHALL MEET 4. MATERIAL FIRE-RESISTA SIDE, AS TES 5. ONE LAYE BEHIND THE I THE APPEND 6. THE EXTEN EXTERIOR AS ASTM E119 O APPENDAGE, PANEL AND S ASSOCIATION 7. THE UNDE MEETS THE F WHEN TESTE PROCEDURES 8. THE UNDE MEETS THE F THE TEST PR 12-7A-3.
 ION 274-2 IMEET THE REQUIREMENTS OF SECTION 704.2 MEET THE REQUIREMENTS OF SECTION 704.2 MEET THE REQUIREMENTS OF SECTION 704.2 INREALES APPROVED FOR NOT LESS THAN 1-HOUR FIRE RESISTANT STRUEL ALSALED FOR STRUETION ON THE EXTERIOR SIDE AS TESTED IN ACCORDANCE WITH ASTM SIDE IN ACCORDANCE WITH ASTM THE ERESTIVE STRUE IN SCORDANCE WITH ASTM THE ARESISTANT STRUE IN ACCORDANCE WITH ASTM FOLLOWING MATERIALS FOLLOWING MATERIALS FOLLOWING MATERIALS THE WITH A THE PREPROSENSE OF A FLOOR PROJECTION THE STR PROCEDURES STRUE IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE STR PROCEDURES SET FORT IN ACCORDANCE WITH AN EXTERIOR FOLLOWING MATERIALS FOLLOWING MATERIALS FOLLOWING MATERIALS THE WORDSTRUE OF A FLOOR PROJECTION ASSEMBLY THAN EXTERIOR ASSEMBLY AS TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE STR PROCEDURES SET FORTH IN ASTM 2200°. FORMANUAL TATE WORDSTRUE OF A FLOOR PROJECTIONS ASSEMBLY THAN EXTERIOR ASSEMBLY AST THE PERFORMANCE CARTERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE STR PROCEDURES SET FORTH IN THE EST PROCEDURES SET FORTH IN THE STR PROCEDURES STRUE ASSEMBLY. AST SETSED IN ACCORDANCE TATE STRUE SETS THE AND ASSEMBLY AST SETSED IN ACCORDANCE TATE STRUE STRUE ASSEMBLY AST SETSED IN ACCORDANCE AND ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE TATE STRUE STRUE ASSEMBLY AST SETSED IN ACCORDANCE AND ASSEMBLY THAT STRUE ASSEMBLY AST SETSED IN ACCORDANCE THE WEETS THE PERFORMANCE CRITERIA IN ACCORDANCE THE STRUE ASSEMBLY AST SETSED IN ACCORDANCE THE WEETS THE PERFORMANCE CRITERIA IN ACCORDANCE THE WEETS THE PERFORMANCE CRITE	ROOF DECK ON THE SHALL CONSIST OF ONE E IGNITION-RESISTANT EXTERIOR USE AN SHALL	CANTILEVER FLOOR PROJECTION WHERE A FLOOR ASSEMBLY EXTENDS OVER AN EXTERIOR WALL SHALL BE PROTECTED BY ON OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT		AND BEAMS E CONSTRUCTE WOOD WITH 4 INCHES. SA SPLINED, TOM AND WELL SF
SPIKED.	TION 704A.2 THE SHALL BE LABELED FOR E REQUIREMENTS OF SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIES ERIOR OF THE ROOF FIRE RESISTIVE ESTED IN ACCORDANCE D TO THE UNDERSIDE OF E EXTERIOR FIRE USING THE GYPSUM LISTED IN THE GYPSUM IGN MANUAL. FOLLOWING MATERIALS I TRIM BOARDS F EAVE SOFFITS. THE DF EAVES HAVING (TH A HORIZONTAL (TH AN EXTERIOR DF THE RAFTER TAILS, OF THE FOLLOWING: E IGNITION-RESISTANT EXTERIOR USE AND F SECTION 704A.2 THE FIRE-RETARDANT D FOR EXTERIOR USE ITS OF SECTION 2303.2 SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIED N THE UNDERSIDE OF FIRE RESISTIVE THE UNDERSIDE OF THE CHEATER OF DISCONTAL OF THE SUSTIVE THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.1 SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 SS THAN 1-HOUR CTION ON THE DRDANCE WITH ASTM SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE UNDERSIDE OF THE CHEATER OF SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE NOT SHEAT NOT SHEAT SHEATHING APPLIED N THE SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE SECTION 2003.2 STAN 1-HOUR SHEATHING APPLIED N THE SECTION 2003.2 STAN 1-HOUR SHEAT NOT SHEAT NOT	 MEET THE REQUIREMENTS OF SECTION 704A.2 3. FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2 4. MATERALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE. AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 283 5. ONE LAYER OF %" TYPE X GYPSUM SHEATHING APPLIED BEHIND AND EXTERIOR COVERING ON THE UNDERSIDE OF THE CEILING 6. THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLEY. AST ESTED IN ACCORDANCE WITH ASTM E119, APPLIED TO THE UNDERSIDE OF THE CEILING ASSEMBLY, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. 7. THE UNDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY THAT MEETS THE PERPORMANCE CRITERIA IN SECTION 707A.10 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957. 8. THE VIDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY THAT MEETS THE PERPORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE SFM STD 12.7A-3. EXCEPTION TO SECTION 707A.8: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION 13. 707A 9 UNDERFLOOR RROTECTION. THE UNDERFLOOR AREA OF ELEVATED OR OVERHANGING BUILDINGS SHALL BE ENCLOSED TO GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE UNDERSIDE OF THE EVOSSED UNDERFLOOR SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. (GINTION- RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. (GINTION THE SUSTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL BE PROTECTED BY ONCE OR MORE OF THE FOLLOWING: 1. NONCOMBUSTIBLE MATERIAL 2. (GINTION- RESISTANT MATERIAL SHALL BE ENCLOSED TO GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE REQUIREMENTS OF SECT	16.	 708A.2 EXTERIOR MATERIALS AND/O SECTION: EXTERIOR EXTERIOR GLAZED O GLAZED O GLAZED O GLAZED O GLAZED O SKYLIGHT VENTS 708A.2.1 EXTERIOR SKYLIGHT VENTS 708A.2.1 EXTERIOR SKYLIGHT VENTS 708A.2.1 EXTERIOR MINIMUM OF REQUIREMEN BE CONST HAVE A FIR MINUTES WH BE TESTERIOR HAVE A FIR MINUTES WH BE TESTERIOR THAVE A FIR MINUTES WH BE TESTERIOR THE EXTERIOR THE EXTER

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

USTIBLE MATERIAL

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

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

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

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

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

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

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

DOORS. EXTERIOR DOORS SHALL COM LOWING:

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

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

AND RAILS SHALL NOT BE LESS THAN

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

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

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

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

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

WITH SECTION 708A2.1.

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

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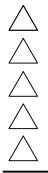
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project

City of Riverside Pre-Approved ADU Program

revisions

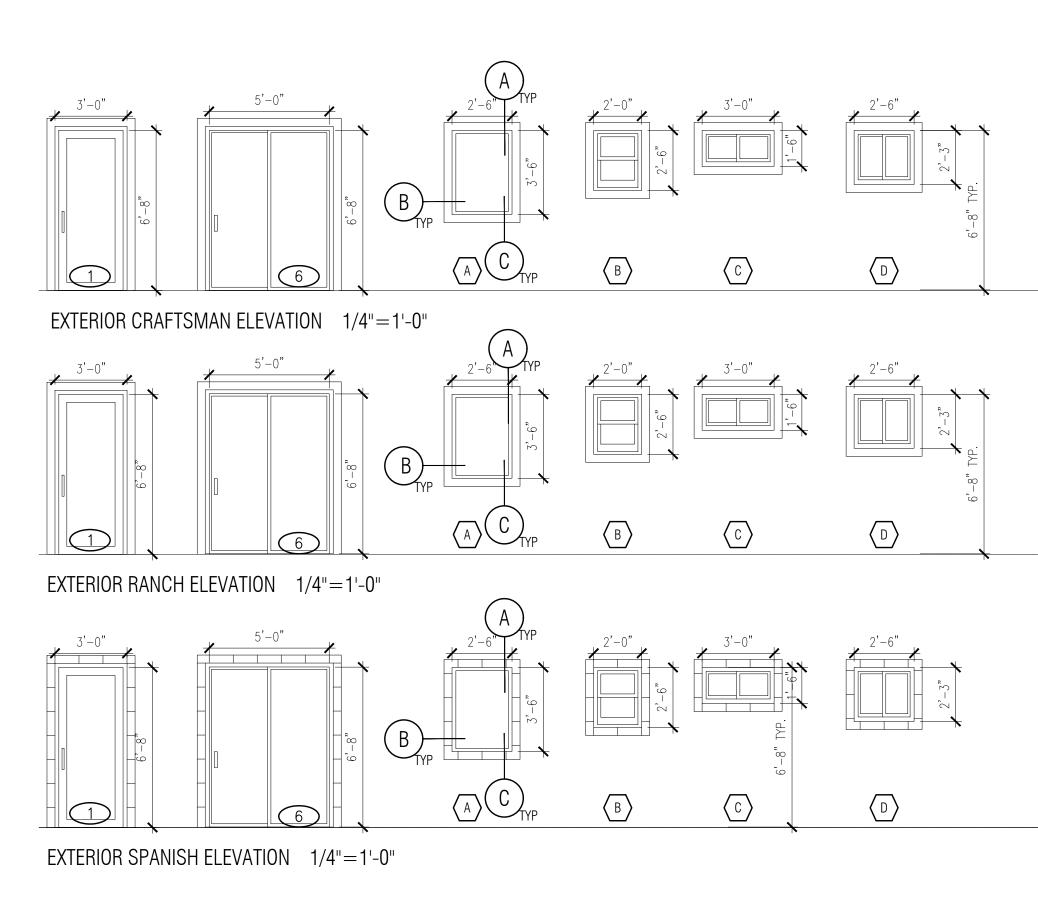


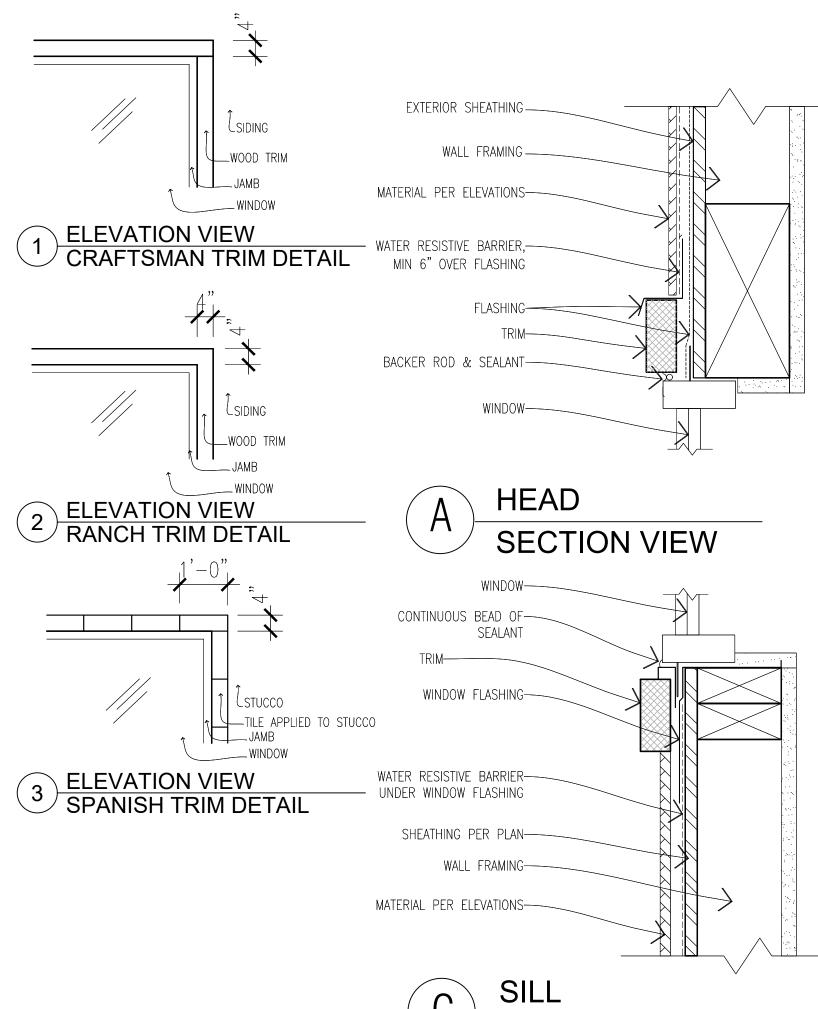
description General

Notes

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

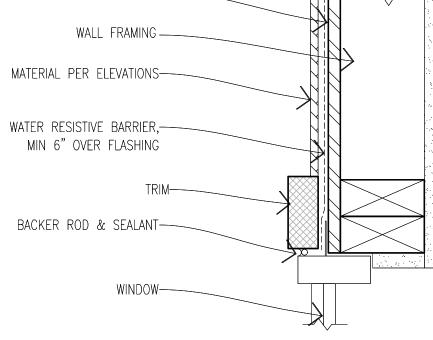
WINDOW SCHEDULE									DO	OR SCHEDUI	E												
NDOW		W SIZE	OPER.	QNTY	FRAM	E HE HE	AD LO GHT	OCATION	REMARKS	STC II DB R		VHFSZ NOTES SEE SHEET G0.3 (WHEN REQ'D)	DOOR	DOOR TYPE		DOOR SI HEIGHT		CORE	MATERIAL	FRAME		REMARKS	VHFSZ NOTES SEE SHEET G0.3 (WHEN REQ'D)
A	2'- ^{6"}		CASEMENT	9	VINYL	6'-8	' BEC	DROOM WINDOWS	NOTE 7	40	0.5	NOTE 15 & 16	1	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	GL	VNL/GLASS	VINYL	FRONT ENTRY	TEMPERED, NOTE 11	NOTE 15, 16, 17, & 2
В	2'- ^{0"}	2'- ^{6"}	DOUBLE-HUNG	3	VINYL	6'-8	' LIVI	ING ROOM/ KICTHEN WINDOWS	TEMPERED	40	0.5	NOTE 15 & 16	2	BI-FOLD DOOR	4'- ^{4 3/4} "	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	W/D DOOR		
С	3'- ^{0"}	1'- ^{6"}	SLIDER	2	VINYL	6'-8	' BAT	THROOM WINDOWS	TEMPERED	40	0.5	NOTE 15 & 16	3	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BATHROOM DOOR		
D	2'- ^{6"}	2'- ^{3"}	SLIDER	7	VINYL	6'-8	' BEC	DROOM WINDOWS		40	0.5	NOTE 15 & 16	4	SLIDING DOOR	8'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM CLOSET DOOR		
													5	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM DOOR		
													6	FRENCH DOOR	6'- ^{0"}	6'- ^{8"}	1-3/4"	GL	VNL/GLASS	VINYL	PATIO ACESS	NOTE 11	NOTE 15, 16, 17, & 1
													7	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM DOOR		
MIN		OTES											8	SLIDING DOOR	8'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM CLOSET DOOR		
													9	SINGLE DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM DOOR		
			RECTION OF OPERATI					O HAVE SCREENS). UAL DIMENSIONS FOR WINDOWS					10	POCKET DOOR	3'- ^{0"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BATHROOM DOOR		
ALL GI	AZING WILL E	E INSTALLED V	VITH A CERTIFYING LA	ABEL ATTACH	ED, SHOWIN	NG THE NF	RC LABEL.						11	SLIDING DOOR	5'- ^{6"}	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	BEDROOM CLOSET DOOR		
			Y SELECTIVE LOW E (UM INFILTRATION RE(IENTS.					12	SINGLE DOOR	2'- ⁴ "	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	CLOSET		
			C.B.C. 1203.4 AND R					E WITH A MIN. NET CLEAR OPENABLE AREA OF 5.7					13	SINGLE DOOR	2'- ⁴ "	6'- ^{8"}	1-3/4"	HLW	WOOD	WD	WATER HEATER	LOUVERED	
			HEIGHT OF NOT MOR					E WITH A MIN. NET CLEAR OPENABLE AREA OF 5.7	SQ. FT, MIIN. NET	GLEAR		OF 24 MIIN., NET	DOOR NOTES										
 TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED AND VISIBLE WHEN THE UNIT IS GLAZED. EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL VENTILATION AND NATURAL LIGHT BY MEANS OF VENTILATION / ARTIFICIAL LIGHT. CBC SECTIONS 1203.4 AND 1205.1 AND R303 THE MINIMUM NET GLAZED AREA FOR NATURAL LIGHT SHALL NOT BE LESS THAN 8%OF THE FLOOR AREA OF THE ROOM SERVED. CBC SECTION 1205.2. THE MINIMUM OPENABLE AREA TO THE OUTDOORS FOR NATURAL VENTILATION SHALL BE 4% OF THE FLOOR AREA BEING VENTILATED. SECTION 1203.4 EXTERIOR WINDOWS, WINDOW WALLS, GLAZED DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE FIRE-RESISTANCE RATED GLAZING TESTED AS PART OF A FIRE-RESISTANCE-RATED WALL ASSEMBLY IN ACCORDANCE WITH ASTM E 119 OR UL 263 TO BE CONSTRUCTED PER NOTE #13 THE FOLLOWING WINDOWS SHALL BE FULLY TEMPERED: (CRC R308.4) SLIDING/SWINGING GLASS DOORS GLAZING IN WALLS AND ENCLOSURES FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND SWIMMING POOLS WHERE THE GLAZING IS LESS THAN 60 INCHES ABOVE THE FLOOR OF A DOOR CO'R ADOW THIN 124''ACC' OF A DOOR THAT IS LESS THAN 700 WITHIN 60 INCHES HORIZONTALLY OF THE WATER'S EDOE (CRC R308.4.5)							THAN 60 INCHES E DOOR IN A	 ALL G ALL G ALL G REFE DOOR VENT OOOR THAN GLAZ THE F NOT L NOT L NOT L 	LASS IN DOORS SHALL BE T LAZING WILL BE INSTALLED TO FLOOR PLANS FOR DIF S SHALL MEET THE MINIMU LATION SHALL COMPLY WIT S MAY OPEN TO THE EXTEF THE DOOR THRESHOLD. S ED OPENINGS WITHIN EXTEF OLLOWING WINDOWS SHAL -SLIDING/SWINGING -GLAZING IN WALLS / INCHES ABOVE THE S -GLAZING WITHIN A 2 CLOSED POSITION A -GLAZING WHERE TH THE BOTTOM TREAD -GLAZING IN GUARDS -GLAZING IN GUARDS -GLAZING ADJACENT	WITH A CER RECTION OF M INFILTRAT H C.B.C. 120 RIOR ONLY IF ECTION R31 RIOR DOOR L BE FULLY GLASS DOOF AND ENCLOS STANDING S 4" ARC OF A ND WITHIN 2 IE EXPOSED OF A STAIR S AND RAILIN TO STAIRW,	TIFYING LAI DOOR SWIN ION REQUIF 3.4 AND R30 THE FLOOI 1.3.1 CRC S SHALL BE TEMPERED: S SHALL BE TEMPERED: S SHALL BE TEMPERED: A SHALL	BEL ATTAC G. REMENTS P 3. R OR LAND INSULATIN (CRC R308 (CRC R308 (CRC R308 (CRC R308 (CRC R308 (CRC R308 (CRC R308 (CRC R308 (CRC R308 (CRC R308) (CRC R308 (CRC R308) (CRC R30	HED, SHOV ER SECTIO NG IS NOT G-GLASS U .4) BS, SPAS, OMPARTM HAN 60 INO N IN-SWIN AN 9SQ.FT, 6IN. ABOV AMPS WIT	VING THE "U" V ON 116 E.E.S. MORE THAN 1- NITS WITH A MI WHIRLPOOLS, S ENT AND WITH CHES ABOVE TH G DOOR. (R308. BOTTOM IS LE E THE LANDING HIN 36IN. HORIZ	ALUE. ½ INCH LOV NIMUM OF C SAUNAS, STI N 60 INCHES IE FLOOR. S 4.2) SS THAN 18		DGE (CRC R308.4.5) L LESS THAN 180 DEGREES FROI LOOR, AND ADJACENT TO A WALI	I THE PLANE OF THE DOOR					







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



JAMB

PLAN VIEW

B

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

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

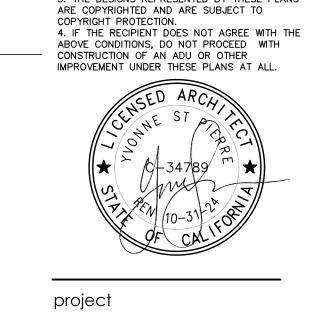
October 2023

description Window & Door Schedules

date

revisions \triangle \triangle \bigtriangleup \triangle

City of Riverside Pre-Approved ADU Program



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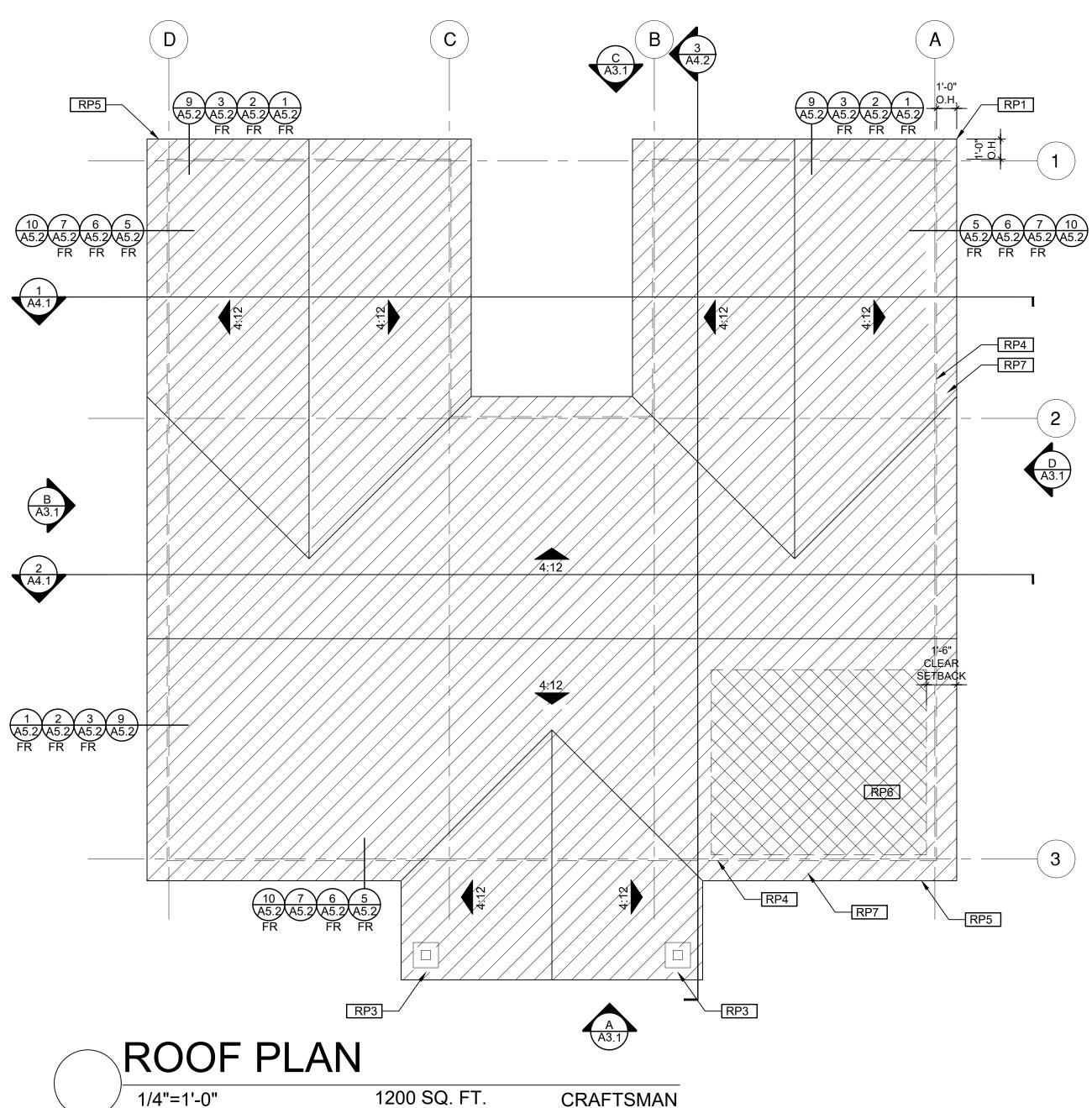
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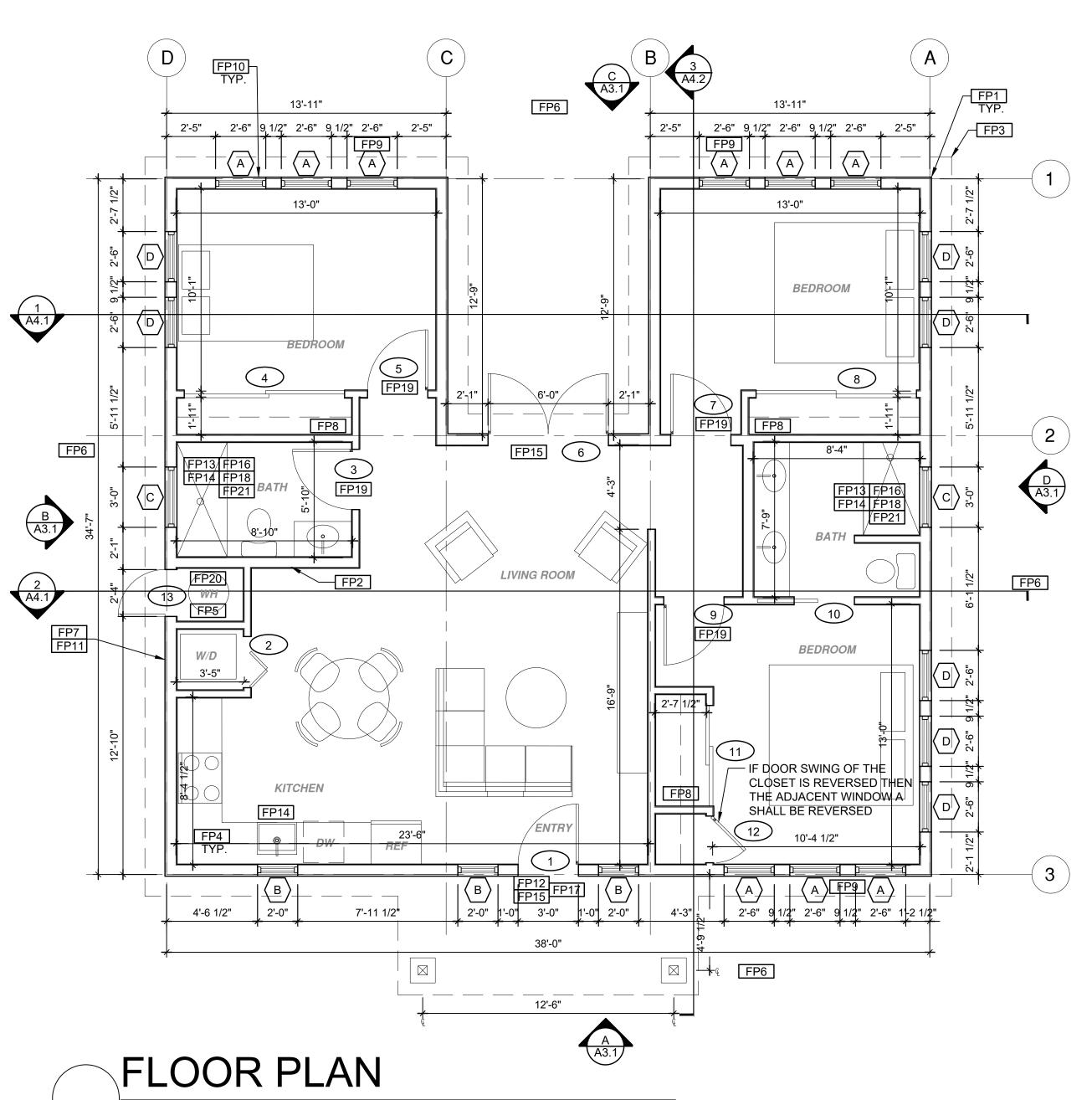
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ROOF	KEYNOTES
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FLOOR PLAN KEYNOTES

FP1	STUD WALL SIZED PER STRUCTURAL	FP13 SHOWER ENCLOSUR
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR	GLAZING IN THE WAL
	MECHANICAL / PLUMBING / VENTING	SPAS, WHIRLPOOLS,
ED3	LINE OF OVERHANG ABOVE	INDOOR/OUTDOOR S
		BOTTOM EXPOSED E
FP4	36" HIGH COUNTER	THAN 60" ABOVE THE
		EXCEPTION: GLAZINO MEASURED HORIZON
FP5	WATER HEATER	EDGE OF A BATHTUE
FP6	SLOPE SURFACE AWAY FROM BUILDING	OR SWIMMING POOL
L L L L		AS TO MAINTAIN NO
FP7	DRYER VENT TERMINATION ON EXTERIOR WALL TO	UNOBSTRUCTED OP
	BE A MINIMUM OF 3 FT FROM ANY OPENING	FP14 PER SECTION 301.1.1
FP8	CLOSET SHELF AND POLE	1101.3(c), ALL PLUMB
		COMPLIANT WATER -
FP9	EMERGENCY EGRESS WINDOW	FIXTURES. SEE MECH
FP10	WINDOW MUST HAVE A FRAME AND SASH	FURTHER INFORMAT
	COMPRISED OF WELDED CORNERS, METAL	
	REINFORCEMENT IN THE INTERLOCK AREA, AND	FP15 LANDING OR FLOOR EXTERIOR DOOR. WI
	CONSTRUCTED OF MULTIPANE TEMPERED GLAZING	DOOR SERVED AND F
	WHERE INDICATED TYPICAL ALL WINDOWS	MEASURED IN THE D
FP11		LANDINGS SHALL BE
	PLUMBING PLANS FOR FURTHER INFORMATION	NOT TO EXCEED ¹ / ₄ " PI OR FINISHED FLOOR
FP12	MIN. 1 HINGED ENTRY DOOR FOR EGRESS	BE MORE THAN 1.5" L
•	COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH	THRESHOLD FOR OU
	OF NOT LESS THAN 32 INCHES WHERE MEASURED	7.75" FOR DOORS TH
	BETWEEN THE FACE OF THE DOOR AND THE STOP,	(CRC 3111.3.1)
	WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE	DOORS OTHER THAN SHALL BE PROVIDED
	DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES	MORE THAN 7.75" BEI
	IN HEIGHT MEASURED FROM THE TOP OF THE	THRESHOLD (CRC 31
	THRESHOLD TO THE BOTTOM OF THE STOP	Υ.



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1/4"=1'-0"

LEGEND

1200 SQ. FT.

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

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

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

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

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

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

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

OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS APPROVED BY THE ENFORCING AGENCY. FP19 DOOR TO HAVE A NET CLEAR OPENING OF 32"

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

FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

SOLAR READY NOTES

SOLAR READY ROOF AREA: MIN DIMENSION > 5FT. MIN. SF. > 80SF. PER CALIFORNIA ENERGY CODE SECTION 110.10(b)

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

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

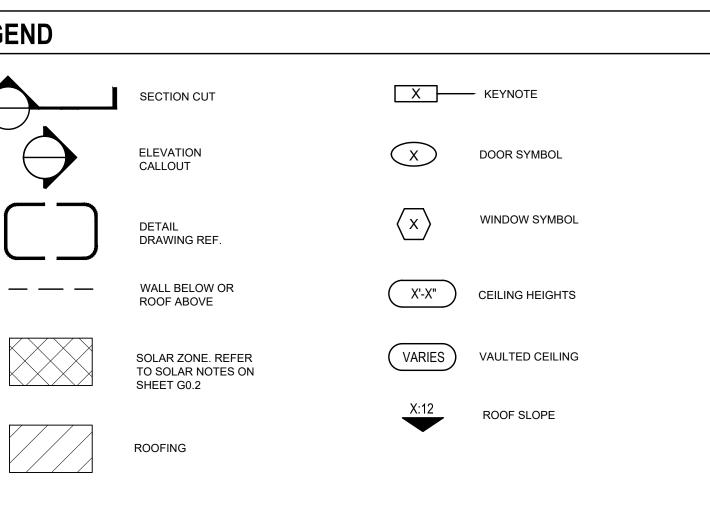
CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF:_ TO BE UPDATED WITH SITE SPECIFIC NUMBERS.

VENTING CALCULATIONS

ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 1200 SF.

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

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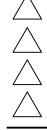
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revisions \bigtriangleup \angle \triangle

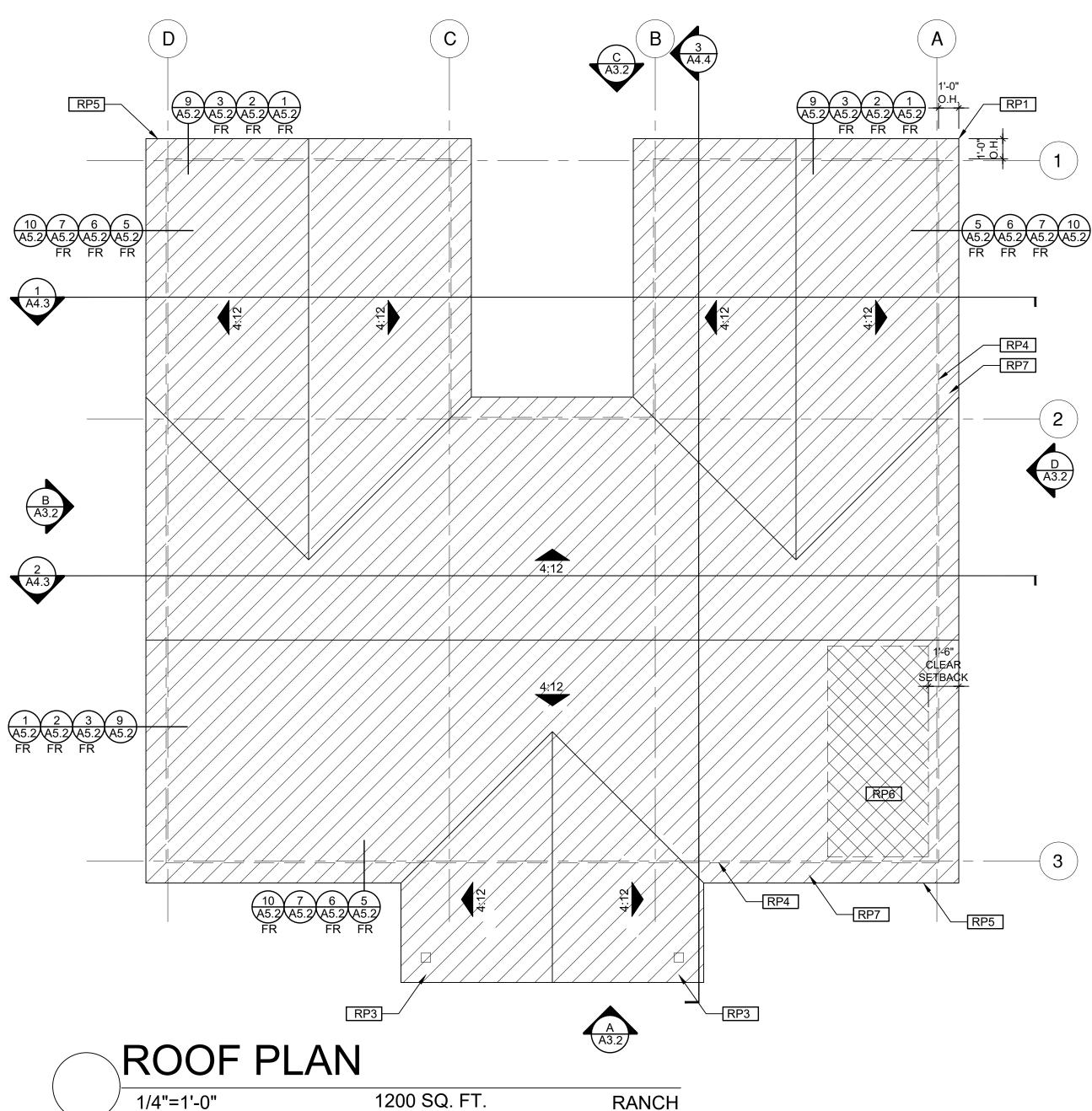


description

Roof & Floor Plan

Craftsman

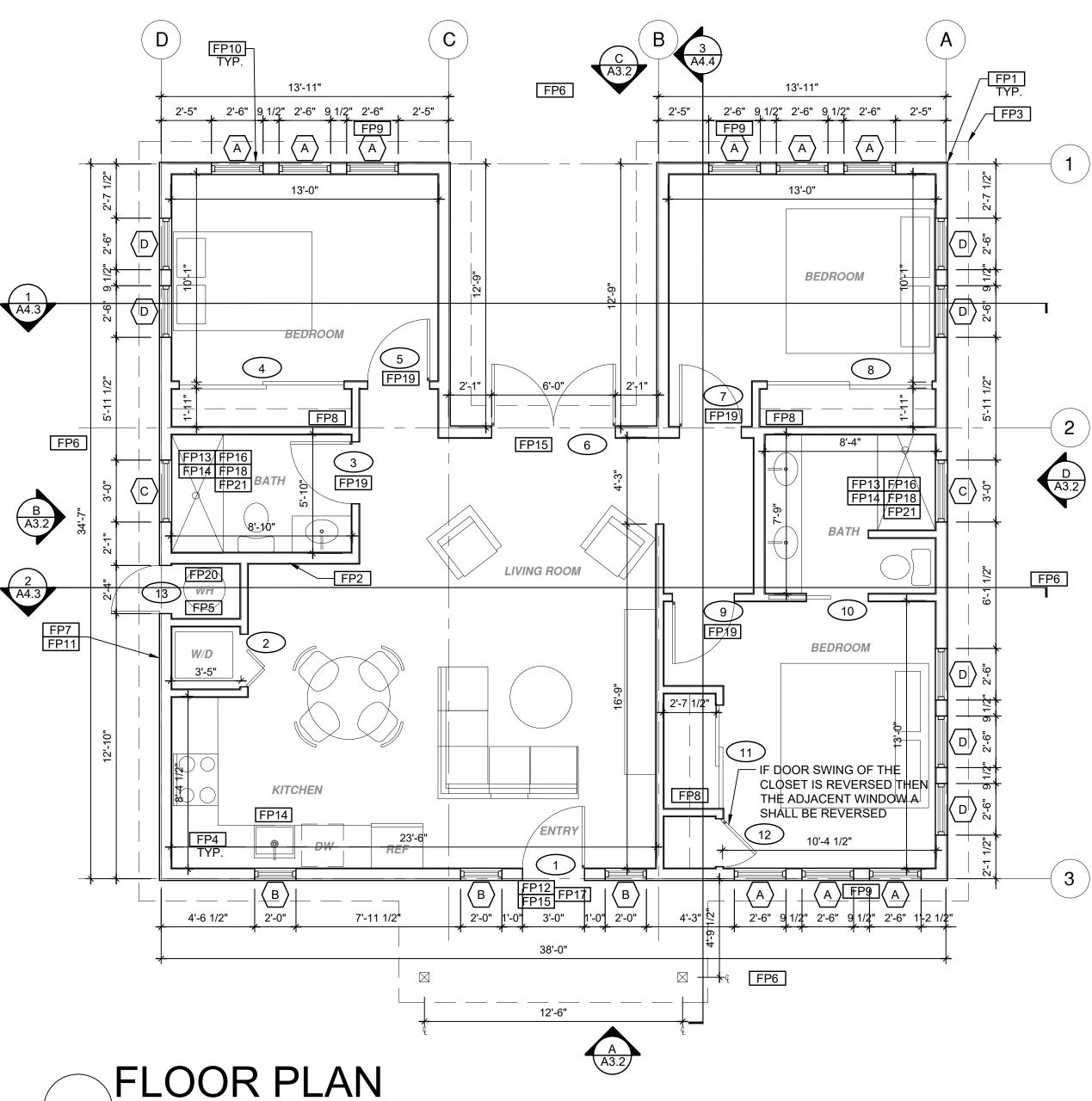
date	October 2023				
project no.	Riverside ADU				
drawn by	DESIGN PATH STUDIC				
sheet no. A 1 1					



ROOF	KEYNOTES

FLOOR PLAN KEYNOTES

 FP1 STUD WALL SIZED PER STRUCTURAL FP2 2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING FP3 LINE OF OVERHANG ABOVE FP4 36" HIGH COUNTER FP5 WATER HEATER FP6 SLOPE SURFACE AWAY FROM BUILDING FP7 DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING FP8 CLOSET SHELF AND POLE 	FP13SHOWER 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.
 FP3 OLOGET GHELT AND FOLL FP9 EMERGENCY EGRESS WINDOW FP10 WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS FP11 VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION FP12 MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP 	



RANCH

1/4"=1'-0"

1200 SQ. FT.

SOLAR READY ROOF AREA:

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

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

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

VENTING CALCULATIONS

ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 1200 SF.

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

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LEGEND

UB, HOT TUB, SPA, WHIRLPOOL OL. SHOWER DOORS SHALL OPEN OT LESS THAN A 22-INCH PENING FOR EGRESS. 1.1 CALGREEN AND CIVIL CODE IBING FIXTURES SHALL BE R -CONSERVING PLUMBING CHANICAL / PLUMBING PLANS FOR TION

R REQUIRED AT EACH SIDE OF WIDTH TO BE NOT LESS THAN THE D HAVE A MIN 36 INCH DEPTH DIRECTION OF TRAVEL. EXTERIOR BE PERMITTED TO HAVE A SLOPE PER FOOT, (CRC 3111.3) LANDINGS ORS AT EGRESS DOOR SHALL NOT LOWER THAN THE TOP OF THE 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 3111.3.2)

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

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

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

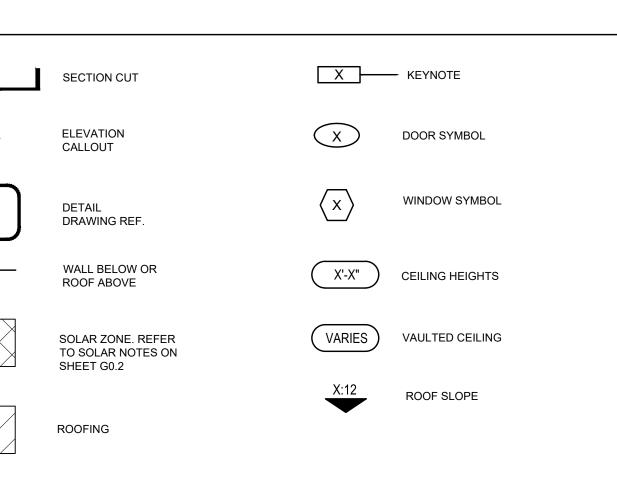
WITH MANUFACTURERS' RECOMMENDATIONS.

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

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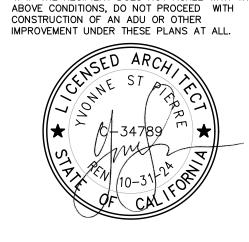
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1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS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



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revisions \bigtriangleup \angle \square

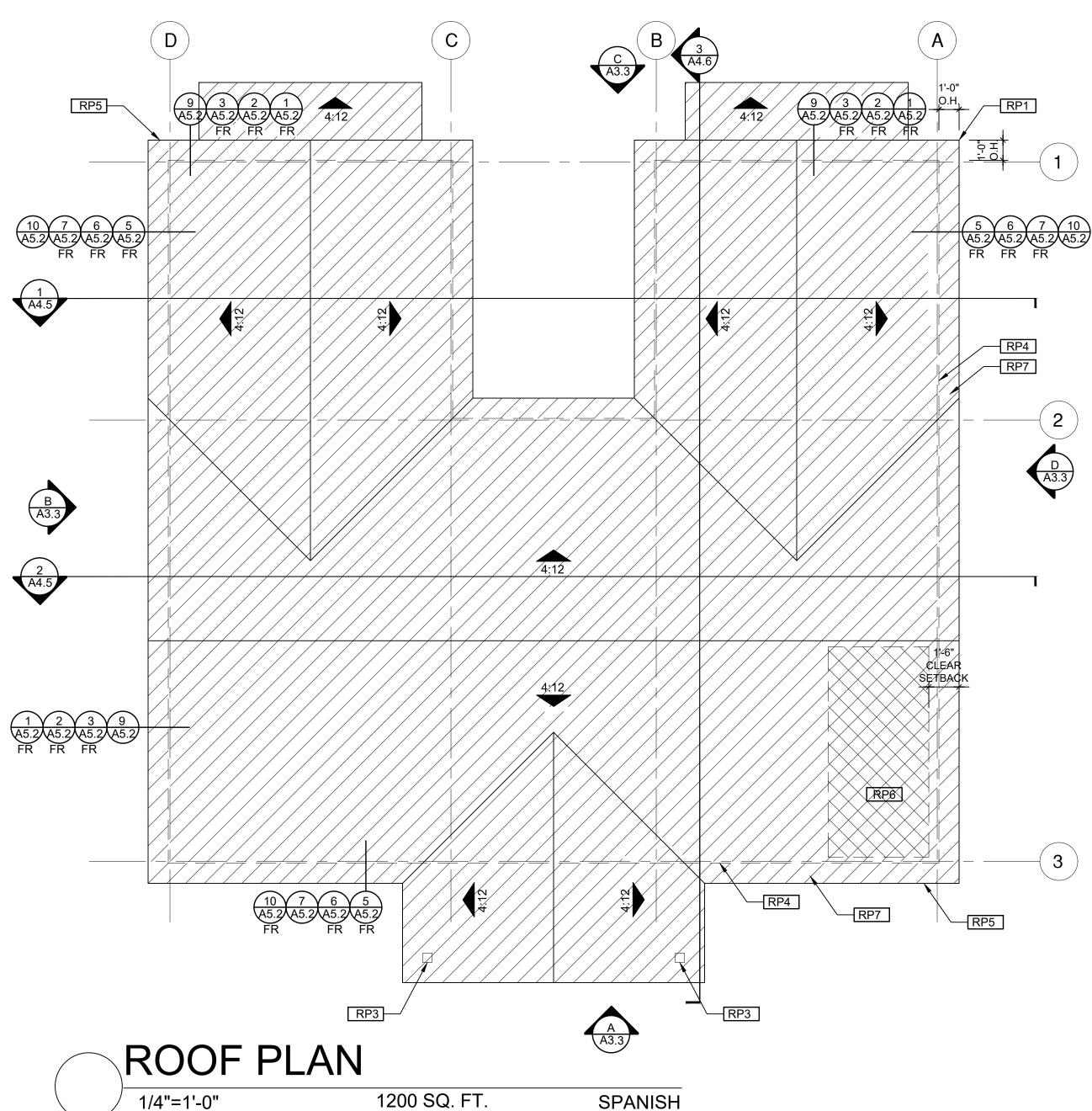
description

Ranch

Roof &

Floor Plan

date	October 2023	
project no.	Riverside ADU	
drawn by	DESIGN PATH STUDIO	
sheet no. A1.2		

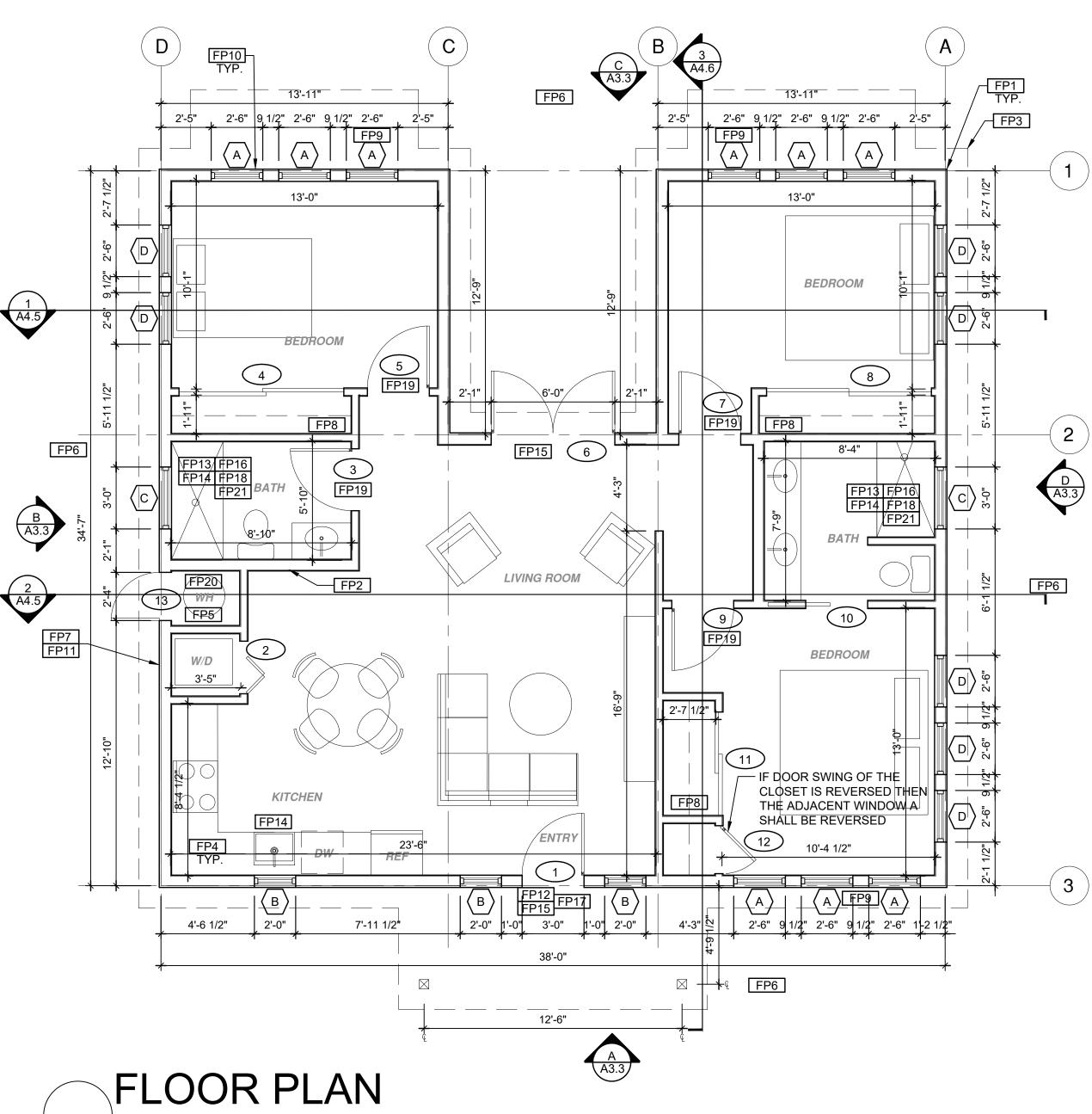


ROOF	KEYNOTES
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RP1 LINE OF ROOF OVERHANG
RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2
RP3 SUPPORT POST BELOW
RP4 LINE OF WALLS BELOW
RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER IN HIGH FIRE SEVERITY ZONES.
RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET
RP7 RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX $\frac{1}{4}$ ", MIN $\frac{1}{16}$ " OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET

FLOOR PLAN KEYNOTES

FP1 STUD WALL SIZED PER STRUCTURAL	FP13 SHOWER ENCLOSURE MUST BE TEMPERED.
FP2 2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING	GLAZING IN THE WALLS/DOORS FACING OR CONTAINING BATHTUBS, SHOWERS, HOT TUB SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS
FP3 LINE OF OVERHANG ABOVE	INDOOR/OUTDOOR SWIMMING POOLS WHERE BOTTOM EXPOSED EDGE OF THE GLAZING IS
FP4 36" HIGH COUNTER	THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS MORE THAN 60
FP5 WATER HEATER	MEASURED HORIZONTALLY, FROM THE WATE EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLP
FP6 SLOPE SURFACE AWAY FROM BUILDING	OR SWIMMING POOL. SHOWER DOORS SHALL AS TO MAINTAIN NOT LESS THAN A 22-INCH
FP7 DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING	UNOBSTRUCTED OPENING FOR EGRESS.
FP8 CLOSET SHELF AND POLE	FP14 PER SECTION 301.1.1 CALGREEN AND CIVIL CO 1101.3(c), ALL PLUMBING FIXTURES SHALL BE
FP9 EMERGENCY EGRESS WINDOW	COMPLIANT WATER -CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING PLA
FP10 WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS	FURTHER INFORMATION FP15 LANDING OR FLOOR REQUIRED AT EACH SIDE EXTERIOR DOOR. WIDTH TO BE NOT LESS TH/ DOOR SERVED AND HAVE A MIN 36 INCH DEP1 MEASURED IN THE DIRECTION OF TRAVEL. EX LANDINGS SHALL BE PERMITTED TO HAVE A S
FP11 VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION	NOT TO EXCEED ⁴ ["] PER FOOT, (CRC 3111.3) LA OR FINISHED FLOORS AT EGRESS DOOR SHA
FP12MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP	BE MORE THAN 1.5" LOWER THAN THE TOP OF THRESHOLD FOR OUTWARD SWINGING DOOR 7.75" FOR DOORS THAT DO NOT SWING OUTW (CRC 3111.3.1) DOORS OTHER THAN THE REQUIRED EGRESS SHALL BE PROVIDED WITH LANDINGS OR FLO MORE THAN 7.75" BELOW THE TOP OF THE THRESHOLD (CRC 3111.3.2)



SPANISH

1200 SQ. FT.

SOLAR READY NOTES

1/4"=1'-0"

SOLAR READY ROOF AREA:

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

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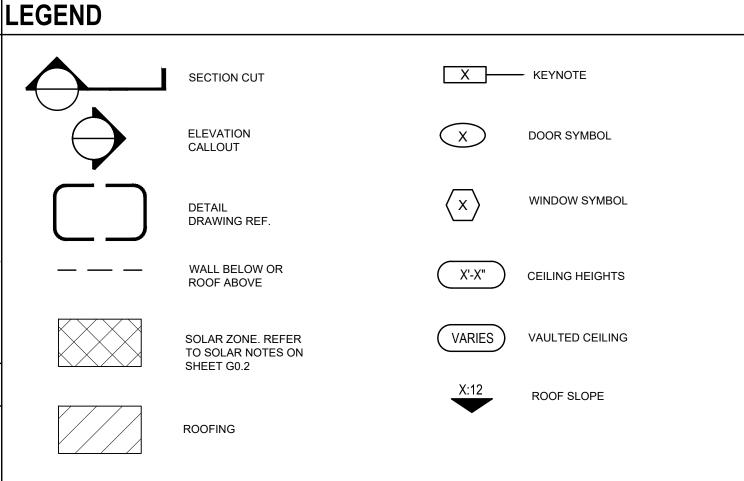
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ITUBS, SHOWERS, HOT TUBS, LS, SAUNAS, STEAM ROOMS AND SWIMMING POOLS WHERE THE DEDGE OF THE GLAZING IS LESS HE STANDING SURFACE. ING THAT IS MORE THAN 60", ONTALLY, FROM THE WATER'S UB, HOT TUB, SPA, WHIRLPOOL OOL. SHOWER DOORS SHALL OPEN OT LESS THAN A 22-INCH OPENING FOR EGRESS.

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FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

SPANISH

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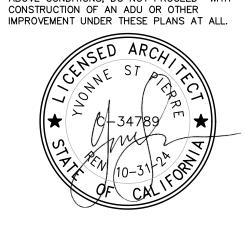
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project City of Riverside

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revisions \square \square

description

Roof &

Floor Plan

project no. Riverside ADU

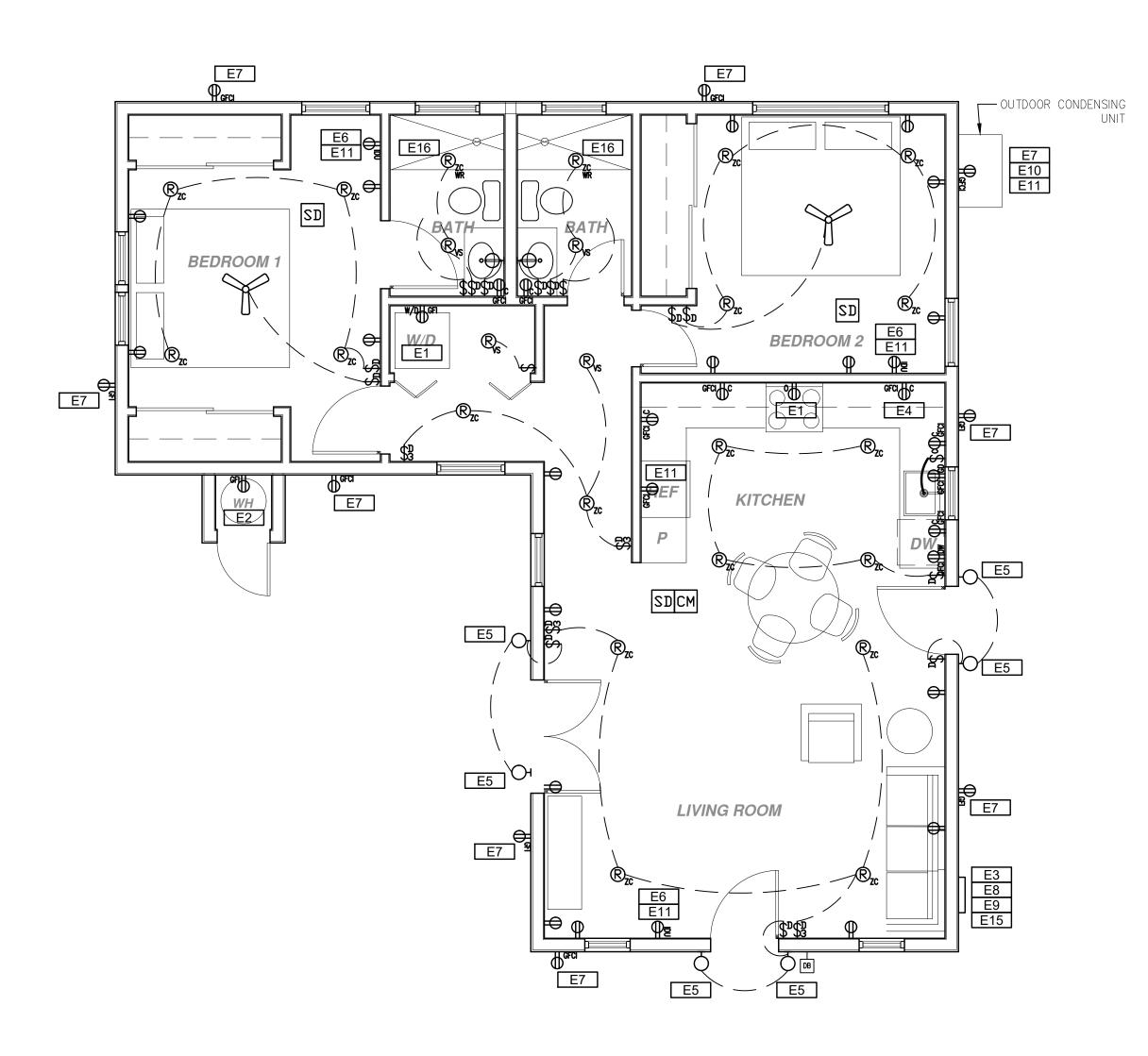
October 2023

DESIGN PATH STUDIO

Spanish

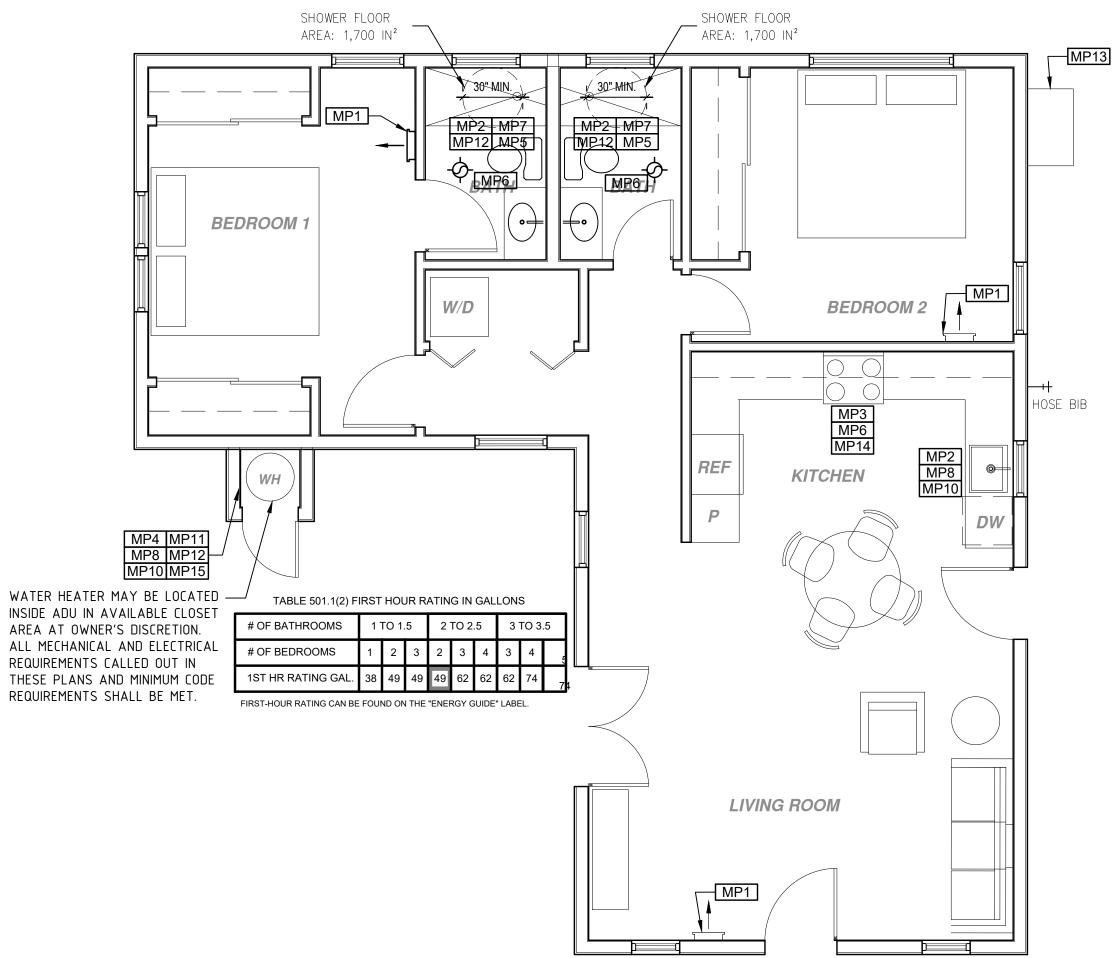
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drawn by





MECHANICAL / PLUMBING KEYNOTES	ELECTRICAL KEYNOTES	MECHANICAL LEGEND	ELECTRICAL LEGEND
MP1 INDOOR UNIT MINI SPLIT SYSTEM. MP9 MP2 WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NO MORE THAN 1.28 CAL. OF WATER PER FLUSH, LAVATORIES NOT EXCEED 2.2 GALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX, FLOW RATE CO T. 86 CALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX, FLOW RATE CO T. 86 CALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX, FLOW RATE CO T. 86 CALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX, FLOW RATE CO T. 86 CALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX FLOW RATE CO T. 86 CALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX FLOW RATE CO T. 86 CALLONS OF REALLY TO A MAX FLOW RATE CONSTRUCT ON THE PER MATERSENCE SPECIFICATIONS FOR SHOWERHEADS. CPC SECTION 3407, 408, 411, 412 AND SECTION 301.11 CALGREEN CODE AND CIVIL CODE 110.3(c) MP13 MP3 EXHAUST HOOD ABOVE/T DB ESMOOTH METALLIC INTERIOR PLEASE SET TABLE 501.1(2) ON THIS SHEET FOR FIRST HOUR RATING IN GALLONS MP13 NEW WATER HEATER PER T24 REQUIREMENTS - TO HAVE CONDENSATE DRAIN INSTALLED ON HINTER TO BLOW COME SUM TO HAVE THE FOLLOWING PLEASE SET TABLE 501.1(2) ON THIS SHEET FOR FIRST HOUR RATING IN FROM INSCLATER THAT ALSO ALLOWS GRAVUT DRAINAGE PLEASE SET TABLE 501.1(2) ON THIS SHEET FOR FIRST HOUR RATING IN FROM INSCLATER THE TATAL SO ALLOWS GRAVITY DRAINAGE PLEASE SET TO THE WATER PIPENCI TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATION INSTALLED ON HINTER PRESSURE BALANCED ON THER MINING	 E1 DEDICATED 30 AMP/240V POWER FOR ELECTRIC DRYER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE SPECIFICATIONS - ELECTRIC COOKTOP READY REQUIREMENTS ARE TO BE IMPLEMENTED, SEE SHEET G0.2, ELECTRIC READY 150.0(u) FOR REQUIREMENTS E2 OUTLET FOR NEW ELECTRIC HYBRID HEAT PUMP WATER HEATER WITHIN 3' OF WATER HEATER. SEE ELECTRICAL NOTE #16 ON G0.2 FOR MORE INFORMATION E3 SUBPANEL LOCATION ALTERNATE LOCATION TO BE DETERMINED BY OWNER E4 OUTLET A COUNTER HEIGHT - SHALL COMPLY WITH GEC ARTICLE 210.52(C): IN NITCHENS A RECEPTACLE OUTLET SHALL BE INSTALLED SO THAT NO POINT ALLONG THE WALL IS MORE THAN 24*; ISLAND IN PENINSULAR COUNTERTOPS 12* X24* LONG (OR GREATER) SHALL HAVE AT LEAST ONCE RECEPTACLE E5 OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICICAL YOR STALLED AF ARE REQUIRED TO BE HIGH EFFICICAL YOR STALLED AF ARE REQUIRED TO BE HIGH EFFICICAL YOR STALLED AF ARE REQUIRED TO BE HIGH EFFICICAL YOR CONTROL ING OR GREATER) SHALL HAVE AT LEAST ONCE RECEPTACLE E5 OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICICAL YOR CONTROL ING OR GREATER) SHALL HAVE AT LEAST ONCE RECEPTACLE E6 OUTLET DEDICATED FOR INDOOR HVAC UNIT E7 WEATHER RESISTANT TYPE RECEPTACLES GFCI PROTECTED E6 OUTLET DEDICATED FOR INDOOR HVAC UNIT E6 OVER-CURRENT FEEDER TO EXTEND TO EXISTING PANEL- ALUMINUM CONDUCTOR BURIED UNDER GROUND WITH AWG ALLOWABLE VOLTAGE DROP PER CEC 250.4 E9 SEPARATE GROUND ELECTRICE SYSTEM PER CEC 250.4 E6 OWING ELECTRICE SYSTEM PER CEC 250.4 E6 SEPARATE GROUND ELECTRICE SYSTEM PER CEC 250.4 	 MECHANICAL BATHROOM EXHAUST FAN: MINIMUM 50 CFM TO BE DUCTED TO THE EXTERIOR AND SHALL PROVIDE FIVE AIR CHANGES PER HOUR. CFM AND NOISE RATING MAXIMUM 3 SONE FOR INTERMITTENT USE. SHALL BE ENERGY STAR RATED AND CONTROLLED BY A HUMIDISTAT CAPABLE OF AN ADJUSTMENT BETWEEN 50-80% HUMIDITY. IQA FAN IS REQUIRED. ONE OR MORE FANS (EITHER KITCHEN OR BATHROOM) TO OPERATE CONTINUOUSLY AT REQUIRED CFM PER HERS NOTES ON T1.1(OR GREATER) TO PROVIDE INDOOR AIR QUALITY. AT THE IAQ FAN SWITCH, A LABEL CLEARLY DISPLAYING THE FOLLOWING OR EQUIVALENT TEXT IS REQUIRED: "THIS SWITCH CONTROLS THE INDOOR AIR QUALITY VENTILATION FOR THE HOME. LEAVE IT ON UNLESS THE OUTDOOR AIR QUALITY IS VERY POOR. DUCT SYSTEMS ARE SIZED, DESIGNED AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS.: STABLISH HEAT LOSS AND HEAT GAIN VALUES ACCORDING TO ANSI/ ACCA 2 MANUAL J-2011 OR EQUIVALENT. SIZE DUCT SYSTEMS ACCORDING TOASHARE STANDARD 62.2 TABLE 7.1 PROVIDED ON THIS SHEET SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ ACCA 3 MANUAL S-2014 OR EQUIVALENT. RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED 	FIRE DETECTION SMOKE DETECTORS PER SECTION R314 DETECTORS SHALL BE PERMANENTLY WIRED WITH BATTERY BACKUP. SOUND AN ALARM AUDIBLE IN ALL SLEEPING AREAS. ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL O F THE ALARMS IN THE UNIT. SHALL COMPLY WITH THE FOLLOWING: • AT LEAST 3' FROM THE TIP OF THE BLADE OF A CEILING-MOUNTED FAN • NOT LESS THAN 3' FROM THE DOOR OPENING OF A BATHROOM • AT LEAST 2' FROM A COOKING APPLIANCE OR 10' FROM COOKING APPLIANCE OR 10' FROM COOKING APPLIANCE WID = WASHER/DRYER 30AMP/ 240AMP • AT LEAST 3' FROM SUPPLY REGISTERS OF A HEATING /COOLING SYSTEM • AT LEAST 3' FROM SUPPLY REGISTERS OF A HEATING /COOLING SYSTEM • CARBON MONOXIDE ALARM PERMANENTLY WIRED WITH BATTERY BACKUP PER SECTION R315. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVETE ALL O F THE ALARMS IN THE UNIT. ALARM WILL ACTUATE ALL O F THE ALARMS IN THE WITT ASHRAE Standard 52.2 Table 7.1 Table 7.1 Table 7.1 Maximum Allowable Duct Length (ft) WIRED WITH BATTERY BACKUP PER SOLON WIRED WITH BATTERY BACKUP PER SECTION R315. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVE ALL O F THE ALARMS IN THE UNIT. ASHRAE Standard 62.2 Table 7.1





		SWI	TCHING	LIGH	ITING
CEPTACLE		\$	SWITCH, MOUNT AT 43" AFF	\mathbb{R}_{D}	CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB
I 0 V		\$ \$ \$ \$ D	THREE-WAY SWITCH FOUR-WAY SWITCH	\mathbb{R}_{zc}	CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB
_ 110 V		↓ \$ C \$ S S	DIMMER SWITCH MOUNT 6" ABV COUNTER OCCUPANCY/VACANCY SENSOR	$\mathbb{R}_{_{_{WR}}}$	CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB
ABV COUN	ITER	MISC		\mathbb{R}_{vs}	CEILING, RECESSED, LED BULB WITH OCCUPANT OR VACANCY SENSOR
R 84" AFF			CEILING FAN/LIGHT COMBO	Ю	WALL MOUNTED LIGHT
		\sim	CIRCUIT WIRING	(J)	JUNCTION BOX FLUSH CEILING MOUNTED
OUTLET		/			
LEA LOCATION II	N	Ļ	DOOR BELL BUTTON		LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW
	DAT				TYPE WHEN UNDER COUNTER)
Ж			EXHAUST FAN REQUIR		
	-				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)
_	RESID	ENTIAL	ENERGY LIGHTING REC	QUIREN	MENTS:ES 150.0(K)
<u> </u>					AGE RATING OF THE FIXTURES MUST BE HIGH
	EFFICA				
					ROOMS AND WALK-IN CLOSETS, AT LEAST ONE
				ED BY AN	I OCCUPANCY OR VACANCY SENSOR PROVIDING
			F FUNCTIONALITY.		
	ALL IH		JUT THE RESIDENCE, INCLUD	ING THE	GARAGE AND EXTERIOR, SHALL BE HIGH
	E1110/1	U			

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

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 Mechanical/ Electrical/ Plumbing Plan

date

project no. Riverside ADU

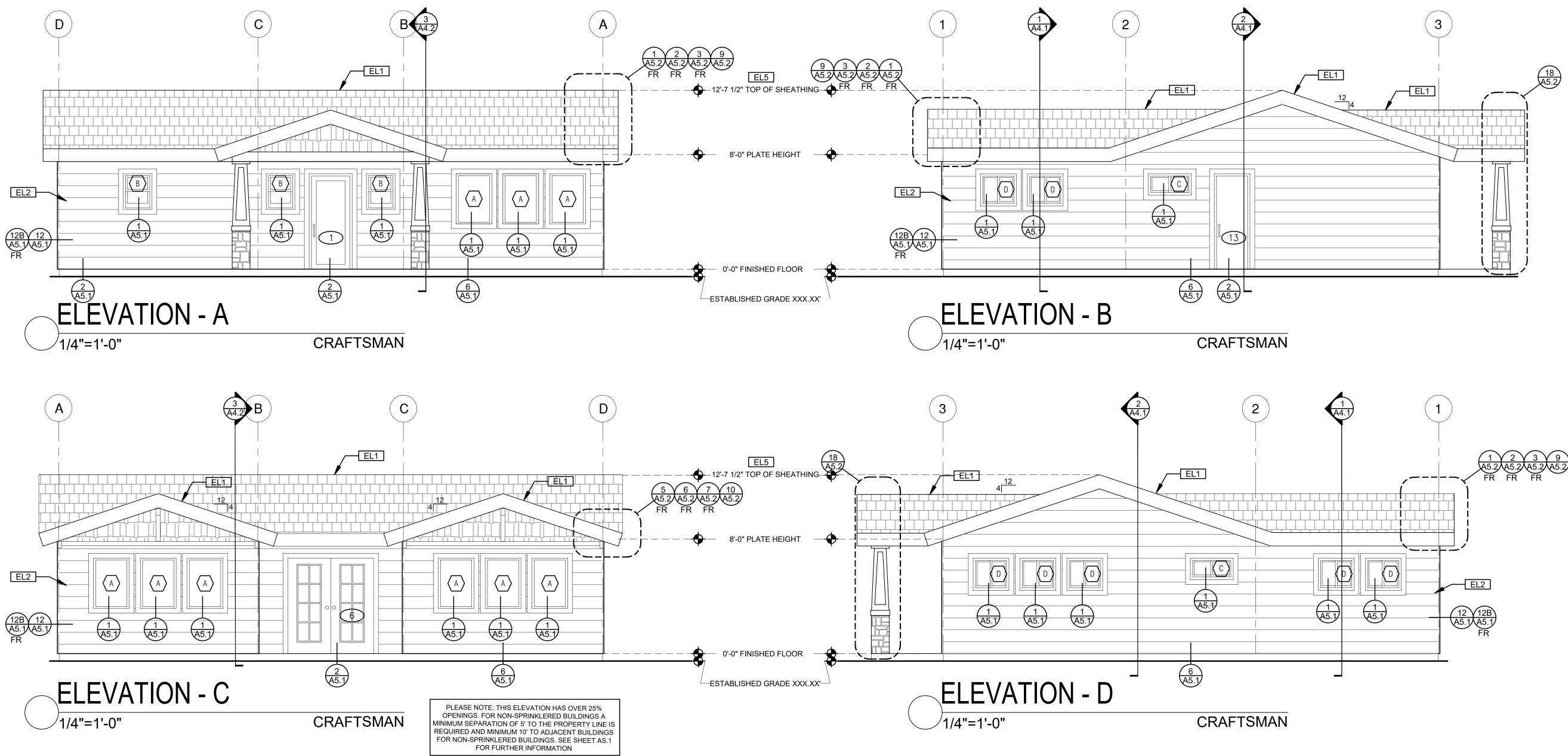
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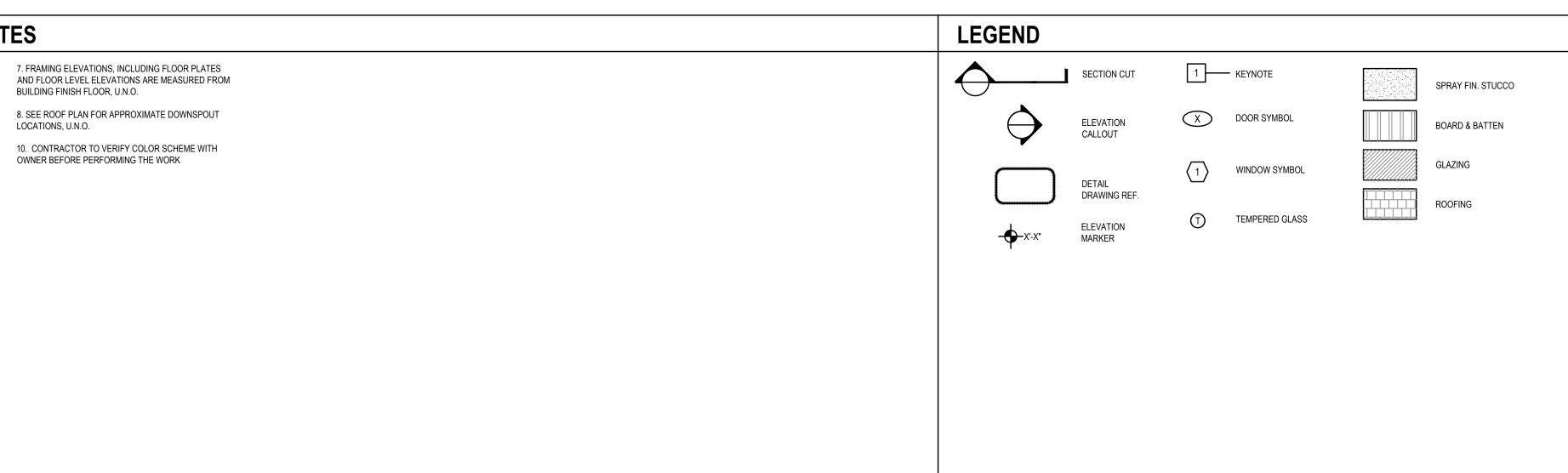
October 2023

sheet no. A2.1

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



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



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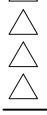
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project

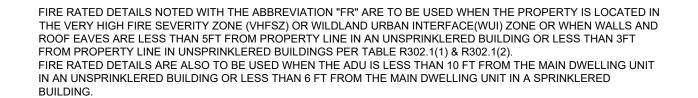
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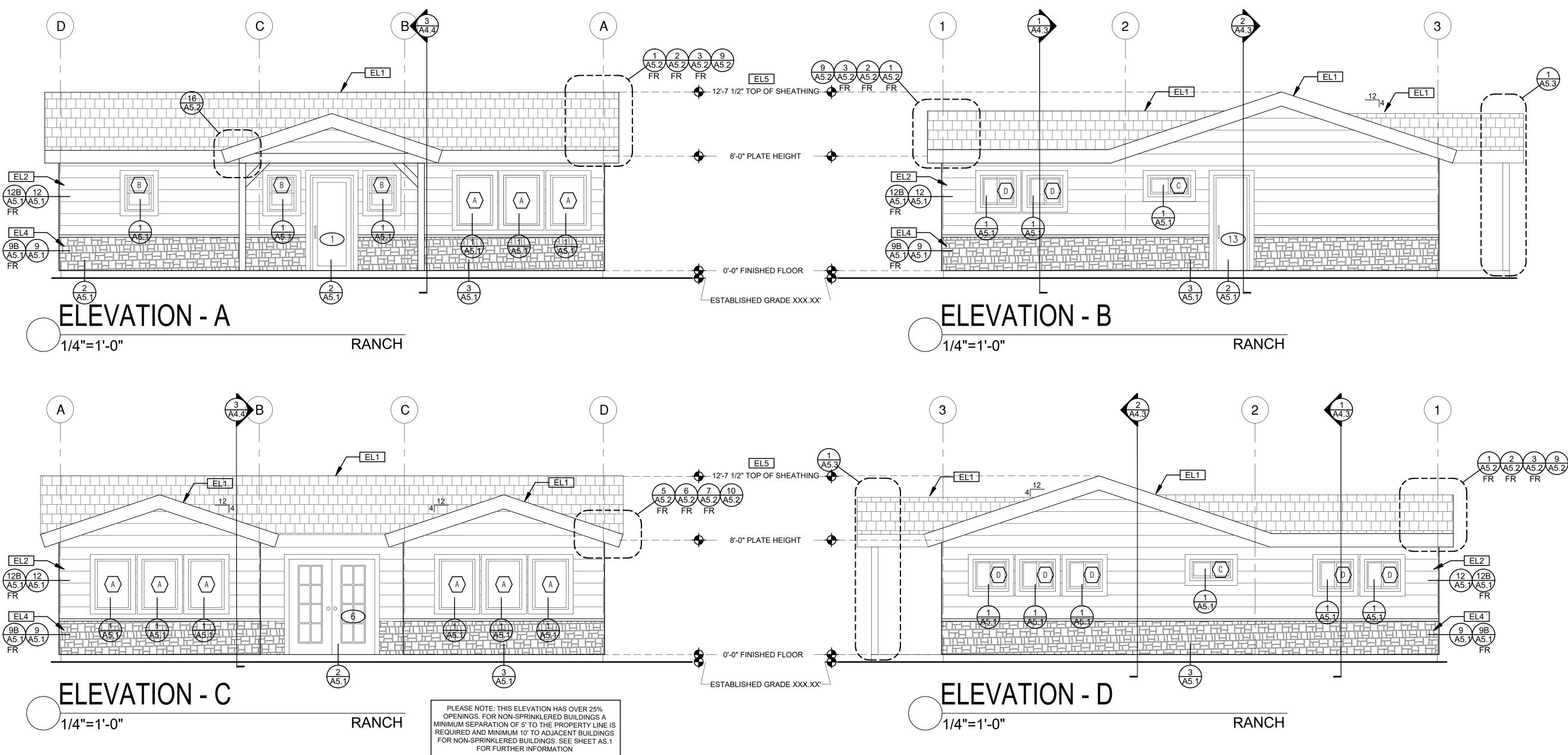
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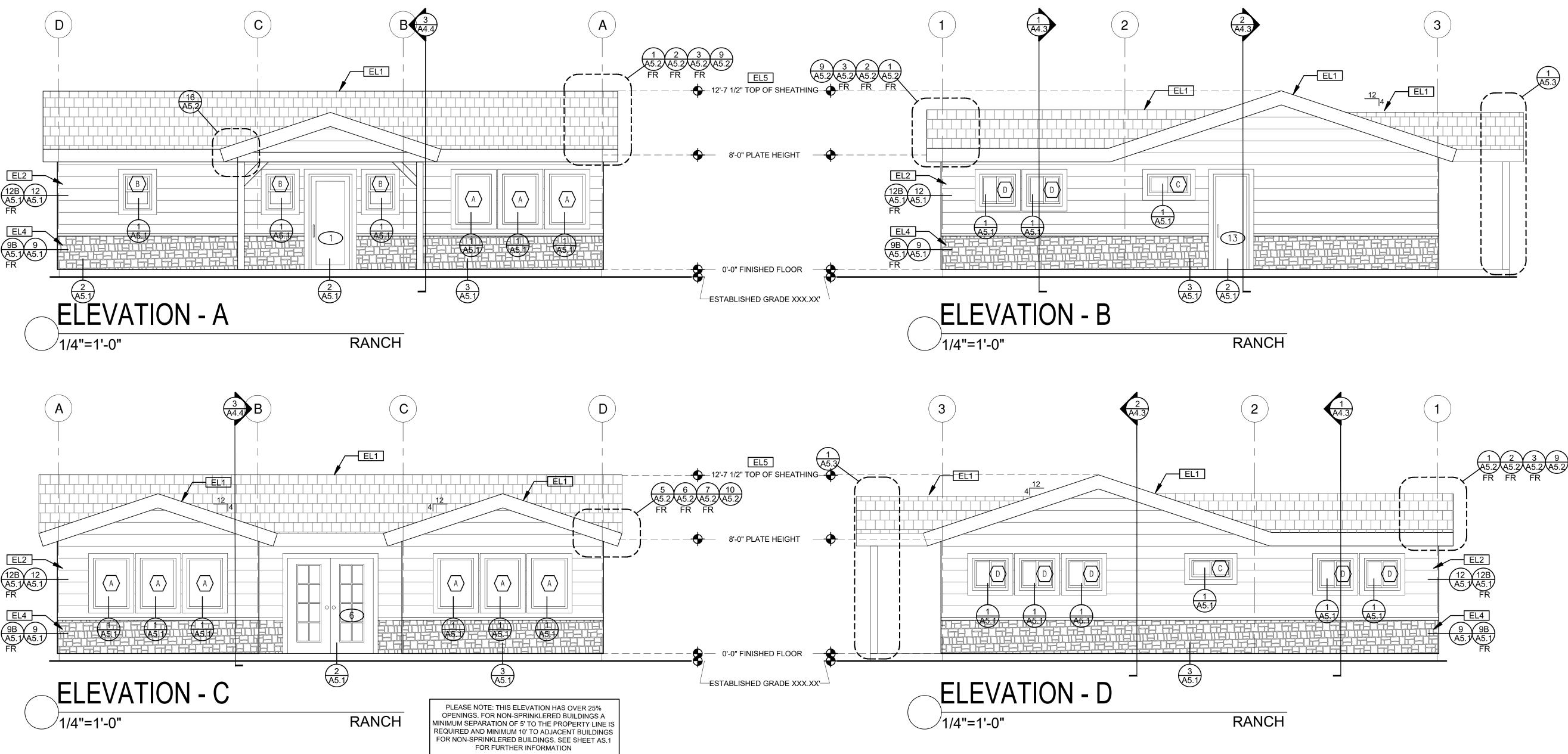


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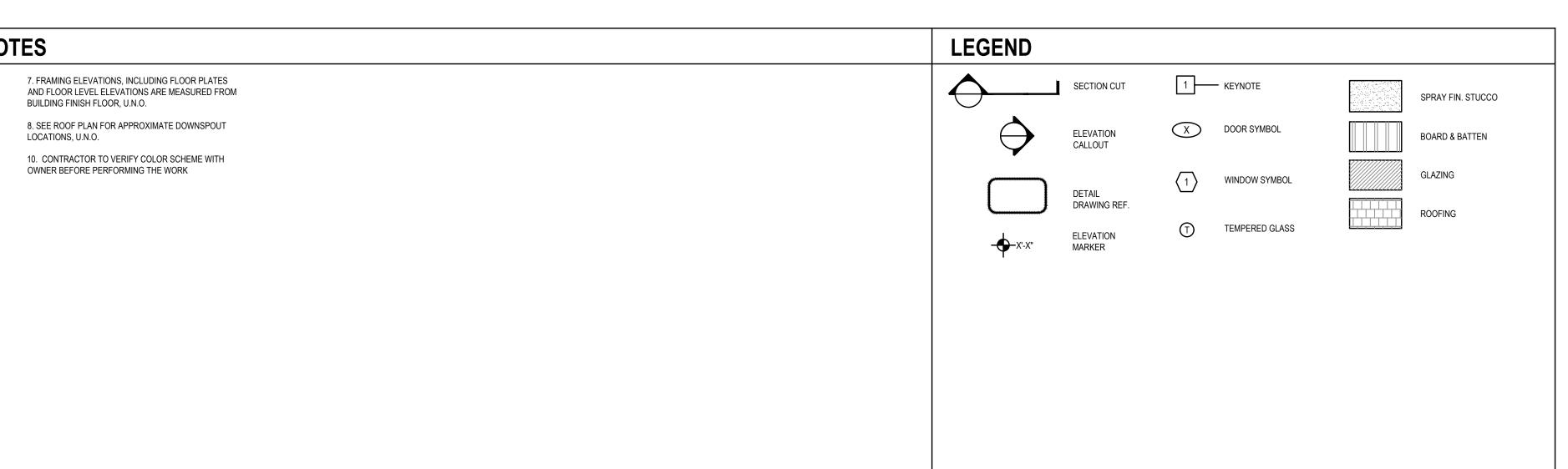
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project no.	Riverside ADU		
drawn by	design path studio		
sheet no. A3.1			







ELEVATION KEYNOTES	ELEVATION GENERAL NOT
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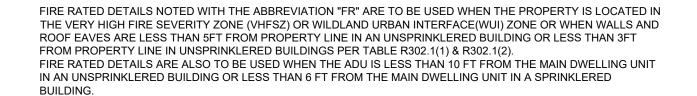
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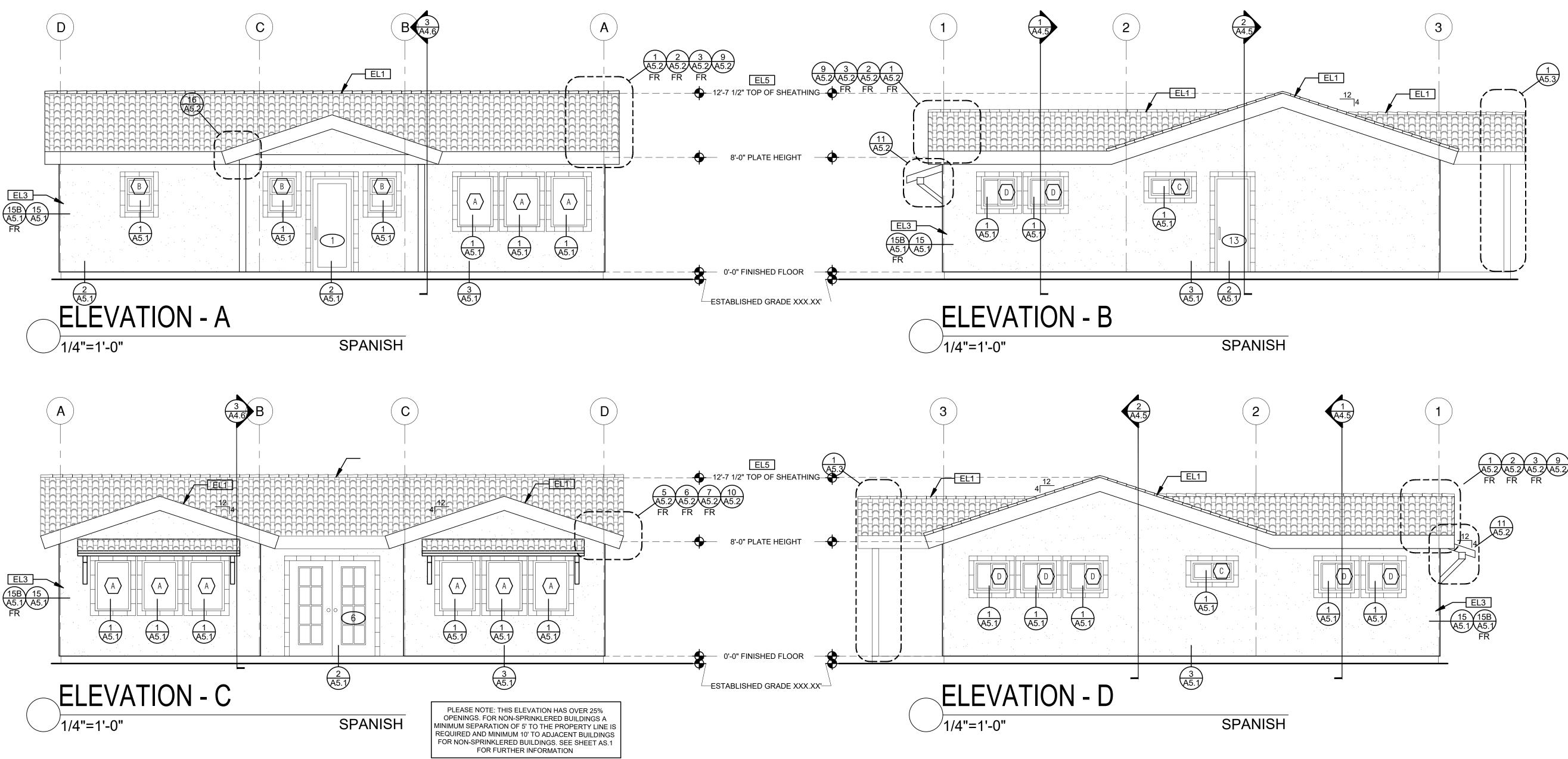
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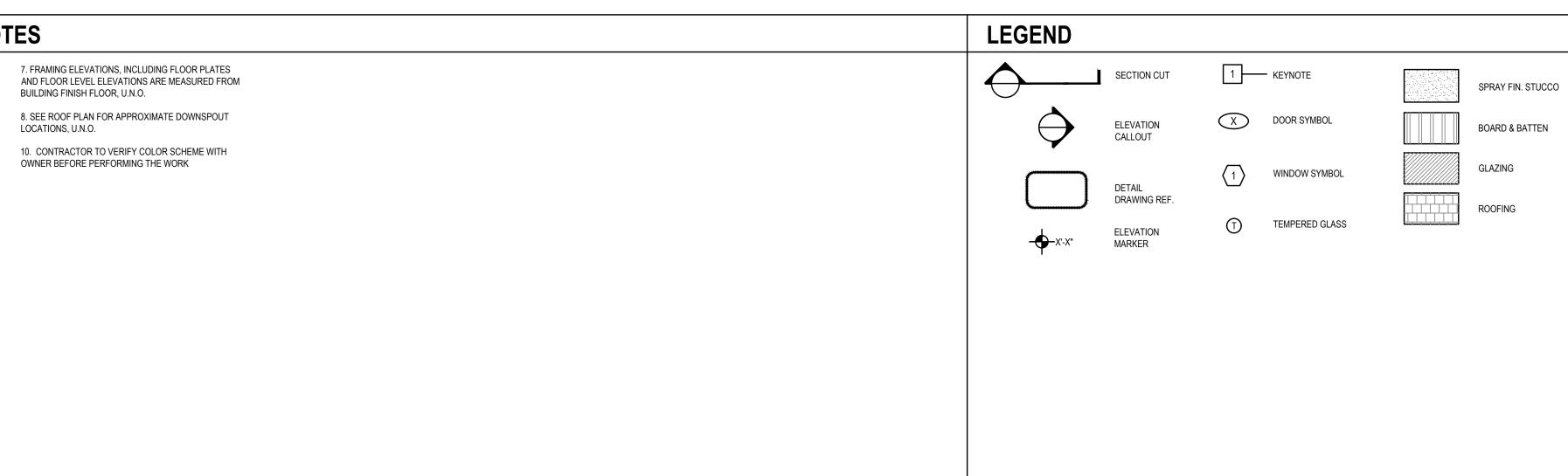
description Exterior Elevations Ranch

date	October 2023
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project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	13.2





ELEVATION KEYNOTES	ELEVATION GENERAL NOT
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)	 ALL DIMENSIONS TO FINISH FACE, U.N.O. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES. REFER TO FRAMING PLANS,FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS 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, CONTROL JOINTS,EXPANSION SCREEDS AND ACCESSORIES ARE TO BE
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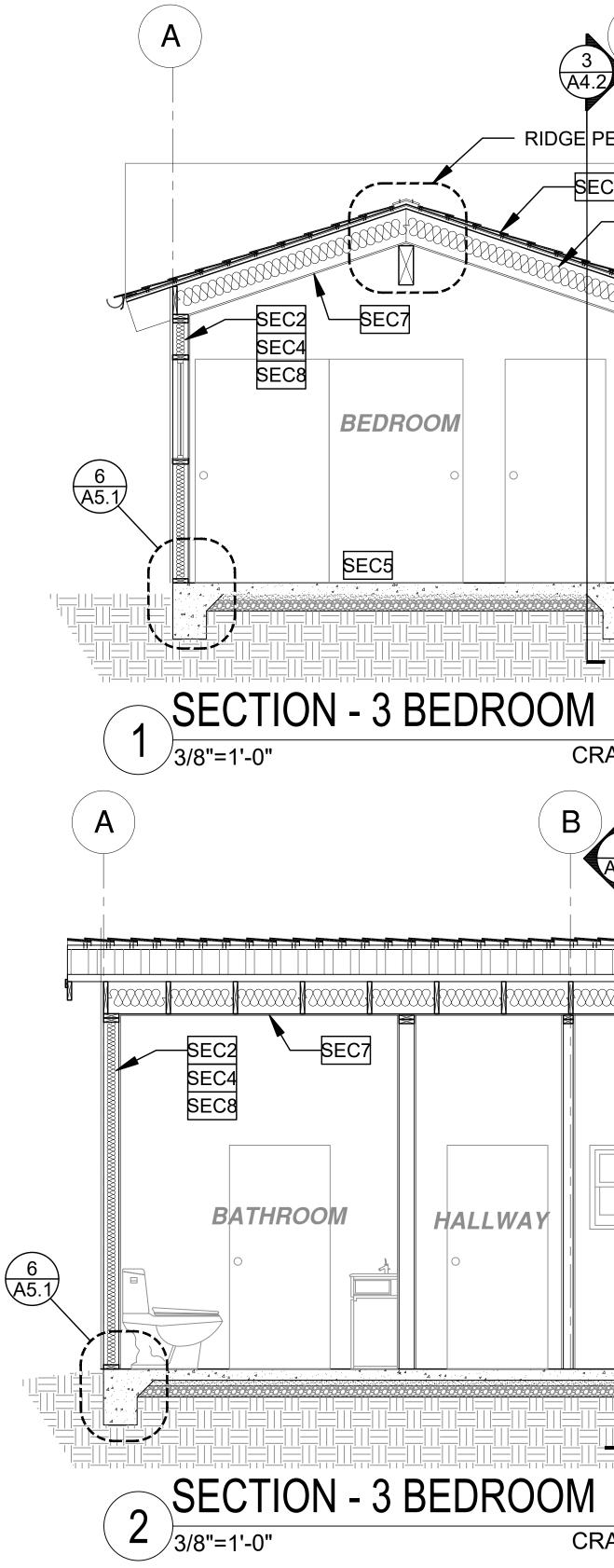
City of Riverside Pre-Approved ADU Program

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description Exterior Elevations Spanish

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



SECTION GENERAL NOTES

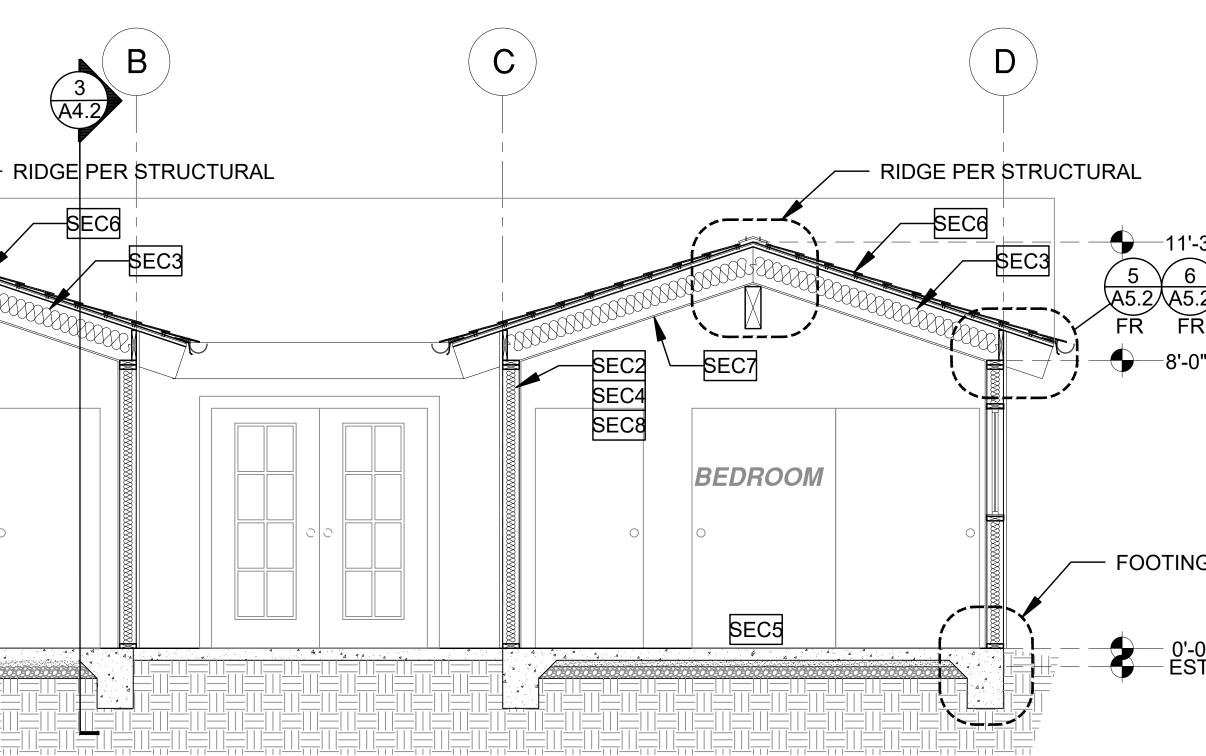
1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTILLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3.	3. F RA EXI ELE 4. V AL ST/ ST/ 5. I TH INS IN
2. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX χ " MIN κ " OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL.	BA BE BE

. INSULATION

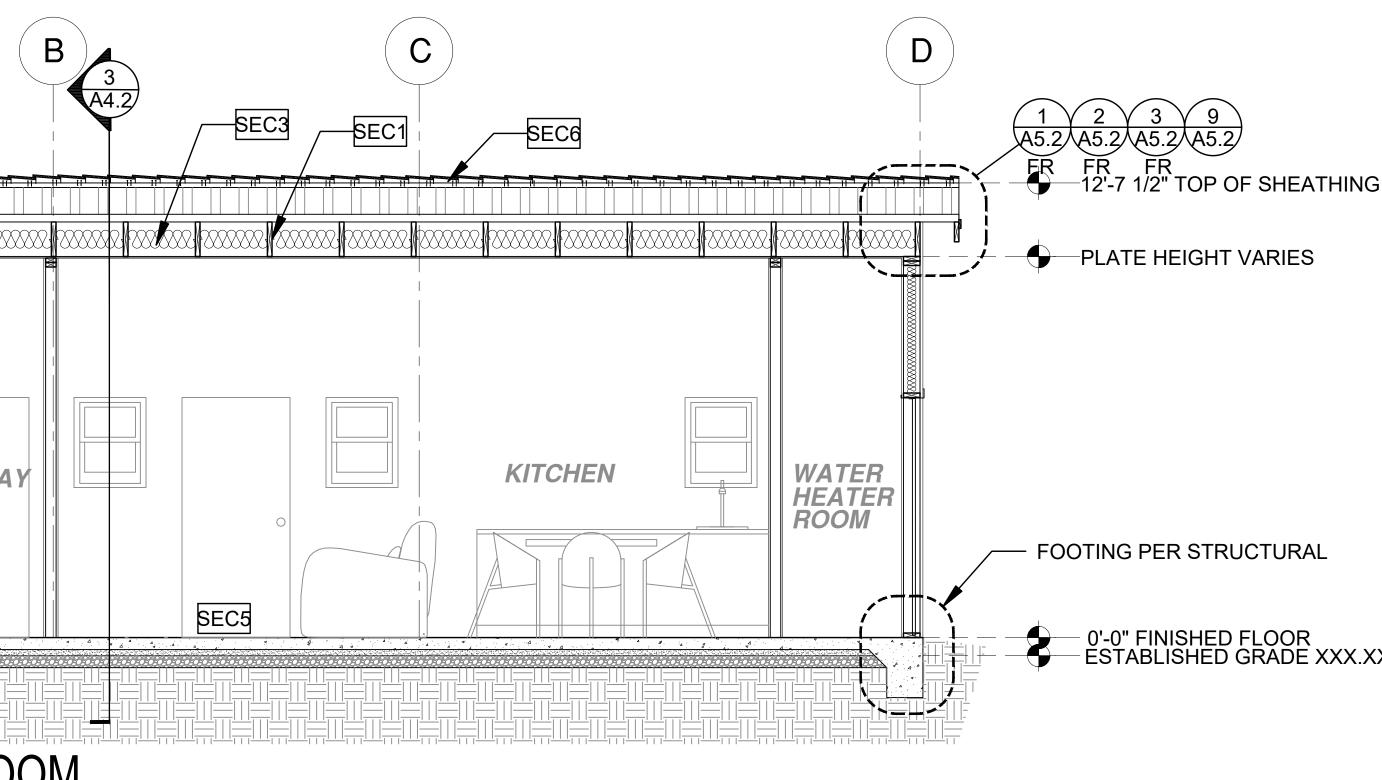
SECTION KEYNOTES

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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CRAFTSMAN

3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL XHAUST FANS OR OTHER LECTRICAL/MECHANICAL FIXTURES. . WOOD SOFFIT/CEILING, SIDING & TRIM ALL NAILS, FASTENERS AND HARDWARE MUST BE TAINLESS STEEL OR HOT-DIPPED GALVANIZED.

STAPLES ARE NOT PERMITTED NSULATION WITH AN R VALUE NOT LESS SPECIFIED WITH SECTION R302.7.

N THE TITLE 24 ENERGY CALCULATIONS. AT ATHROOMS, LAUNDRY ROOM , AND MASTER BED/BATHROOMS INSULATION IS TO E PROVIDED WITH SOUND INSULATION,

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. HERMAL INSULATION IS TO BE FOIL BACKED BATT ENCLOSED SPACES UNDER STAIRS SHALL COMPLY

8. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, & STRUCTURAL PLANS. *KEYNOTES ONLY APPLY IF REFERNCED ON PLANS

1. INSULATION: REFER TO TITLE 24 REPORT FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION 2. FIRE BLOCKING TO BE LOCATED AT THE FOLLOWING LOCATIONS PER 2022 CRC SECTION R302.11:

A. SECTION R302.11-1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS,

INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR I EVELS

B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT

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

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

SECTION R1003.19 FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION

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

11'-3 1/2" TOP OF SHEATHING 6 √ 7 √ 10`

A5.2/A5.2/A5.2/A5.2

-8'-0" PLATE HEIGHT

FOOTING PER STRUCTURAL

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

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

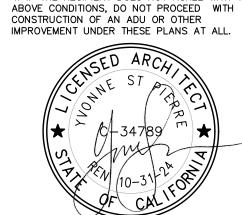
	LEGEND
11. SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL NUMBER 2. TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS	SECTION CUT
3.THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD STRUCTURAL PANELS 4.THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD	ELEVATION CALLOUT
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	DETAIL DRAWING REF.
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	- X'-X" ELEVATION MARKER

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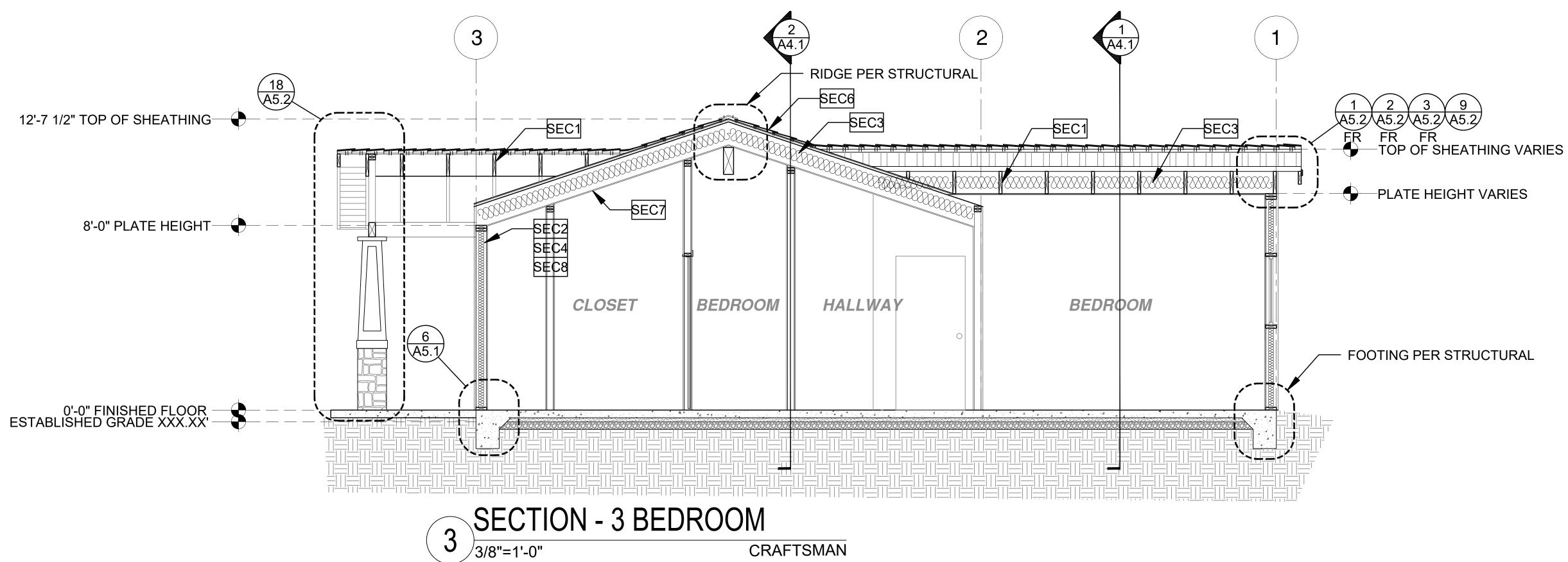
project

City of Riverside Pre-Approved ADU Program

revisions \bigtriangleup description

Building Sections Craftsman

date	October 2023
project no.	Riverside ADU
drawn by	design path studio
sheet no.	4.1



SECTION KEYNOTES	SECTION GENERAL NO)TES
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 SEC78 5/8" GYPSUM WALLBOARD	SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTILLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3. 2. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED	3. FRAMER RAFTERS T ELECTRICA 4. WOOD SC ALL NAILS, STAINLESS STAPLES A 5. INSULATIO IN THE TITI BATHROOM BED/BATHF BE PROVID

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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

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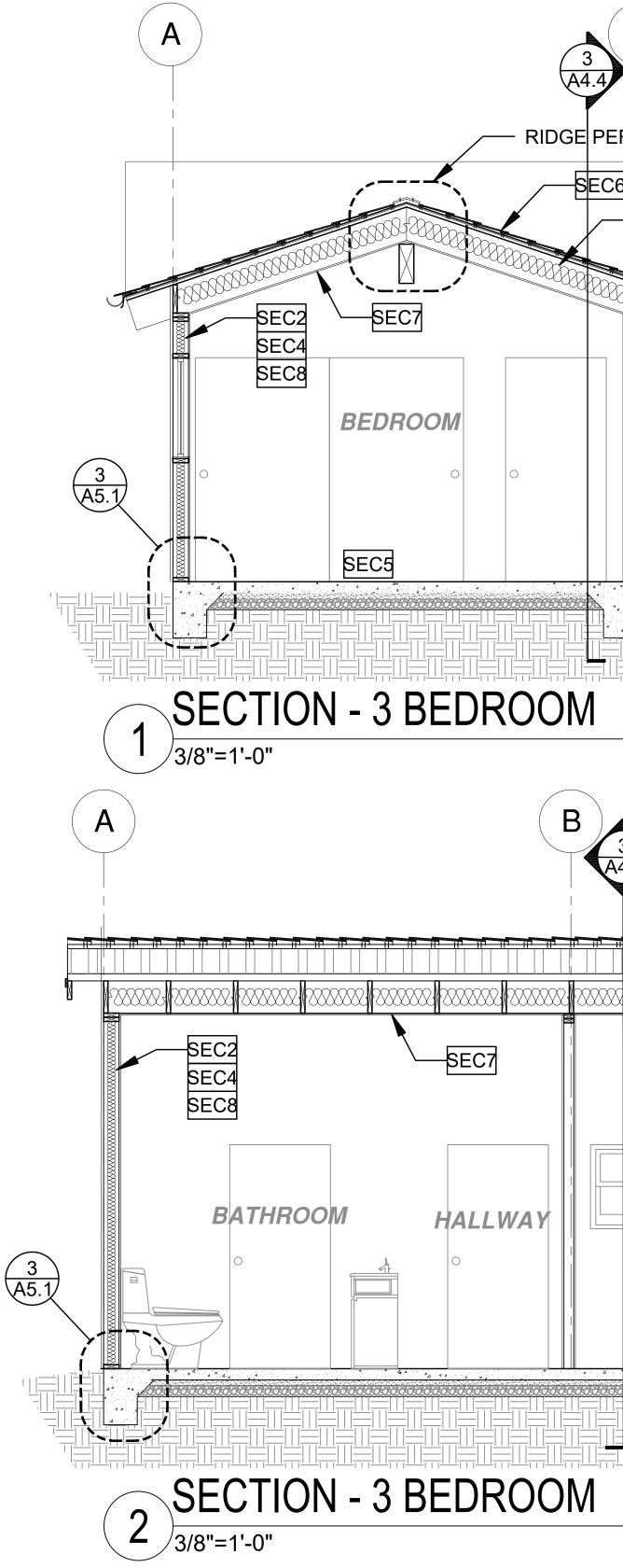
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City of Riverside Pre-Approved ADU Program

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description Building Sections Craftsman

sheet no.	4 2
drawn by	design path studio
project no.	Riverside ADU
date	October 2023



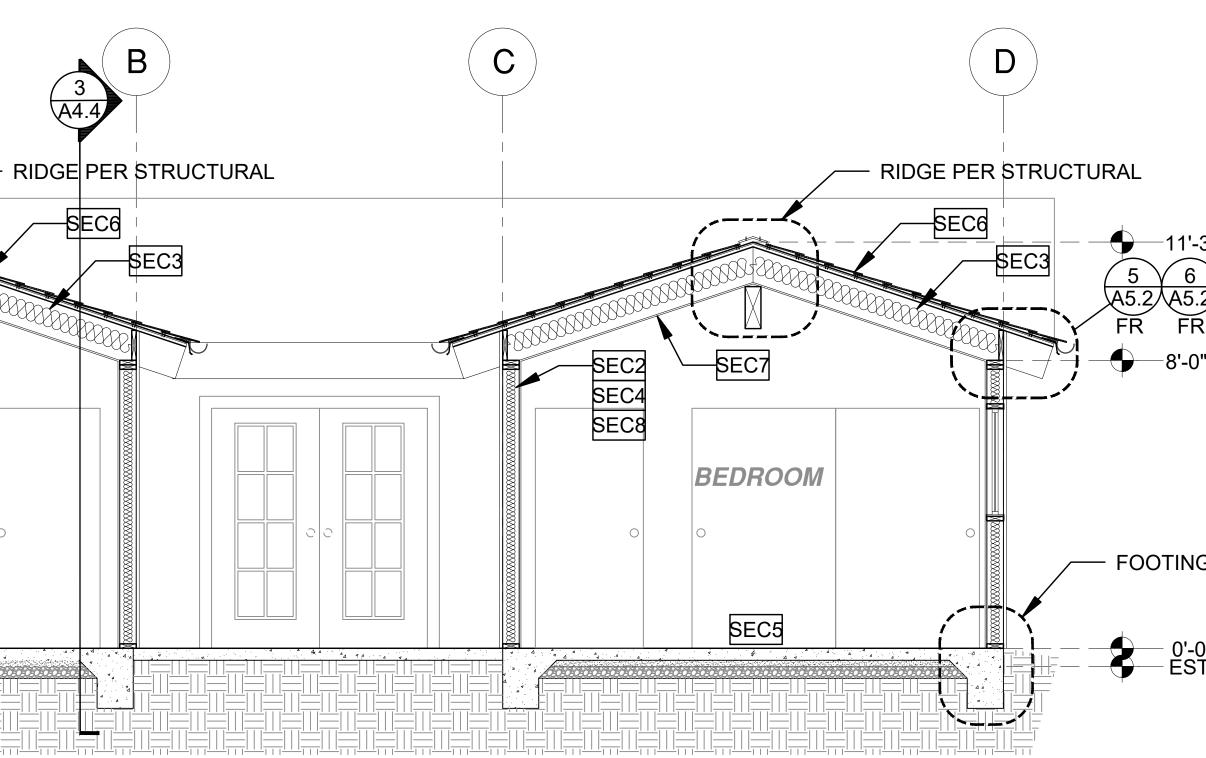
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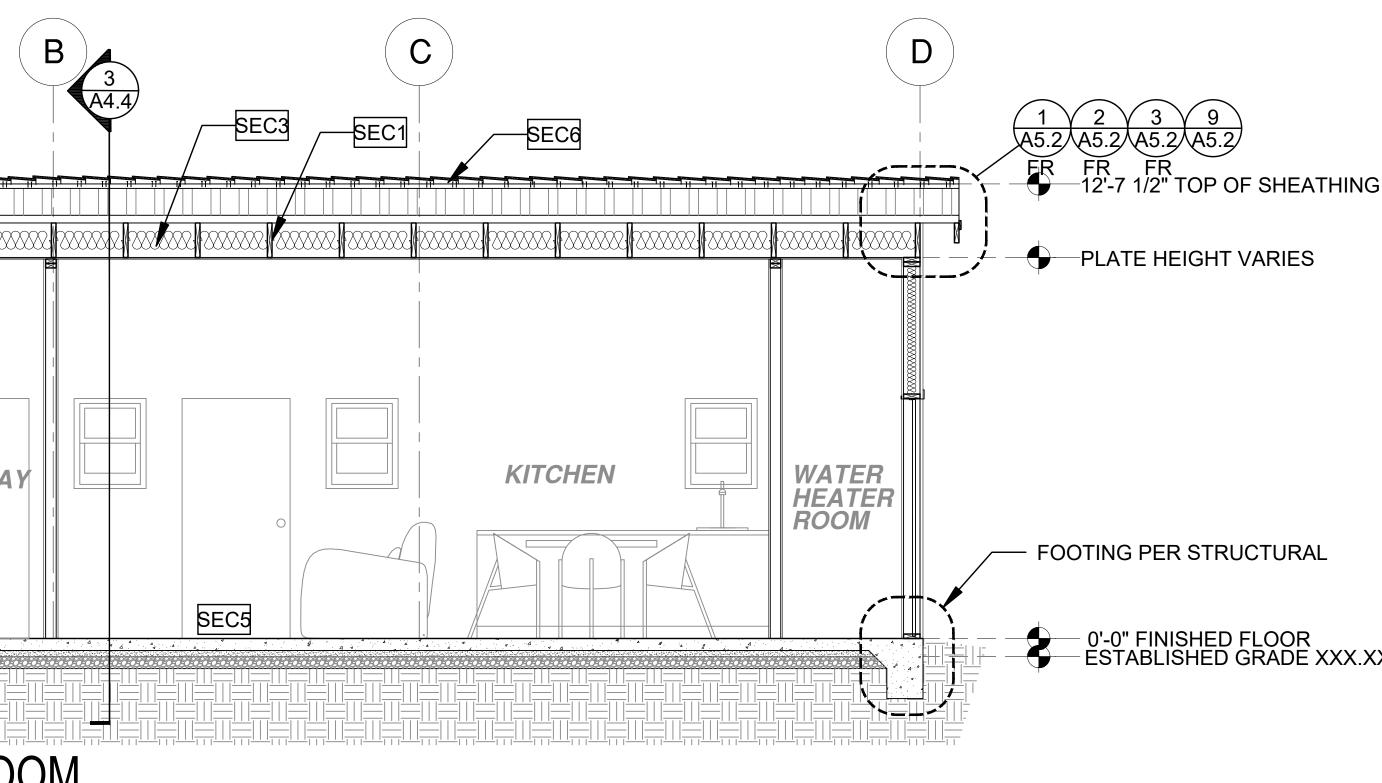
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SEC8 5/8" GYPSUM WALLBOARD



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3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL XHAUST FANS OR OTHER LECTRICAL/MECHANICAL FIXTURES. . WOOD SOFFIT/CEILING, SIDING & TRIM ALL NAILS, FASTENERS AND HARDWARE MUST BE TAINLESS STEEL OR HOT-DIPPED GALVANIZED.

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11. SECTION R302.11.1 - FIREBLO

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

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A5.2/A5.2/A5.2/A5.2

-8'-0" PLATE HEIGHT

FOOTING PER STRUCTURAL

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

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

	LEGEND
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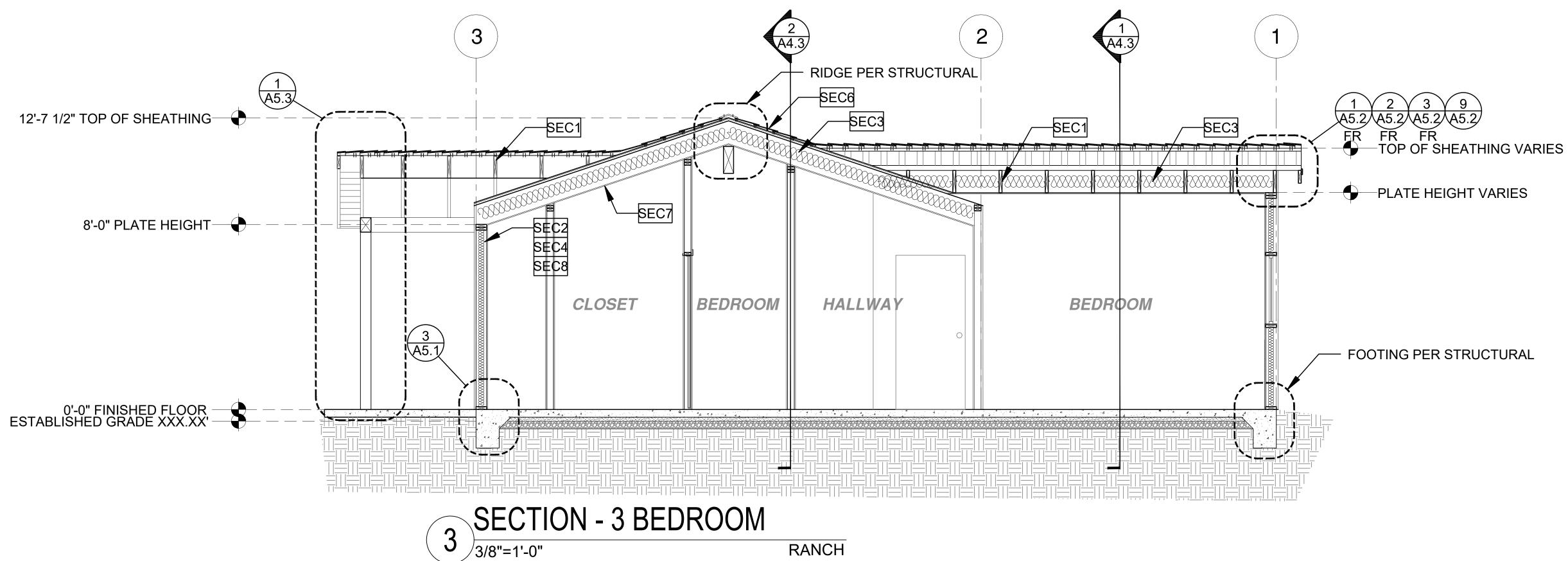
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Building Sections Ranch

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
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SECTION KEYNOTES	SECTION GENERAL NOTES
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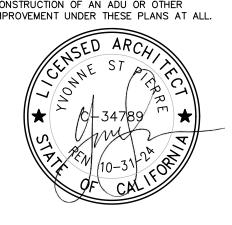


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project

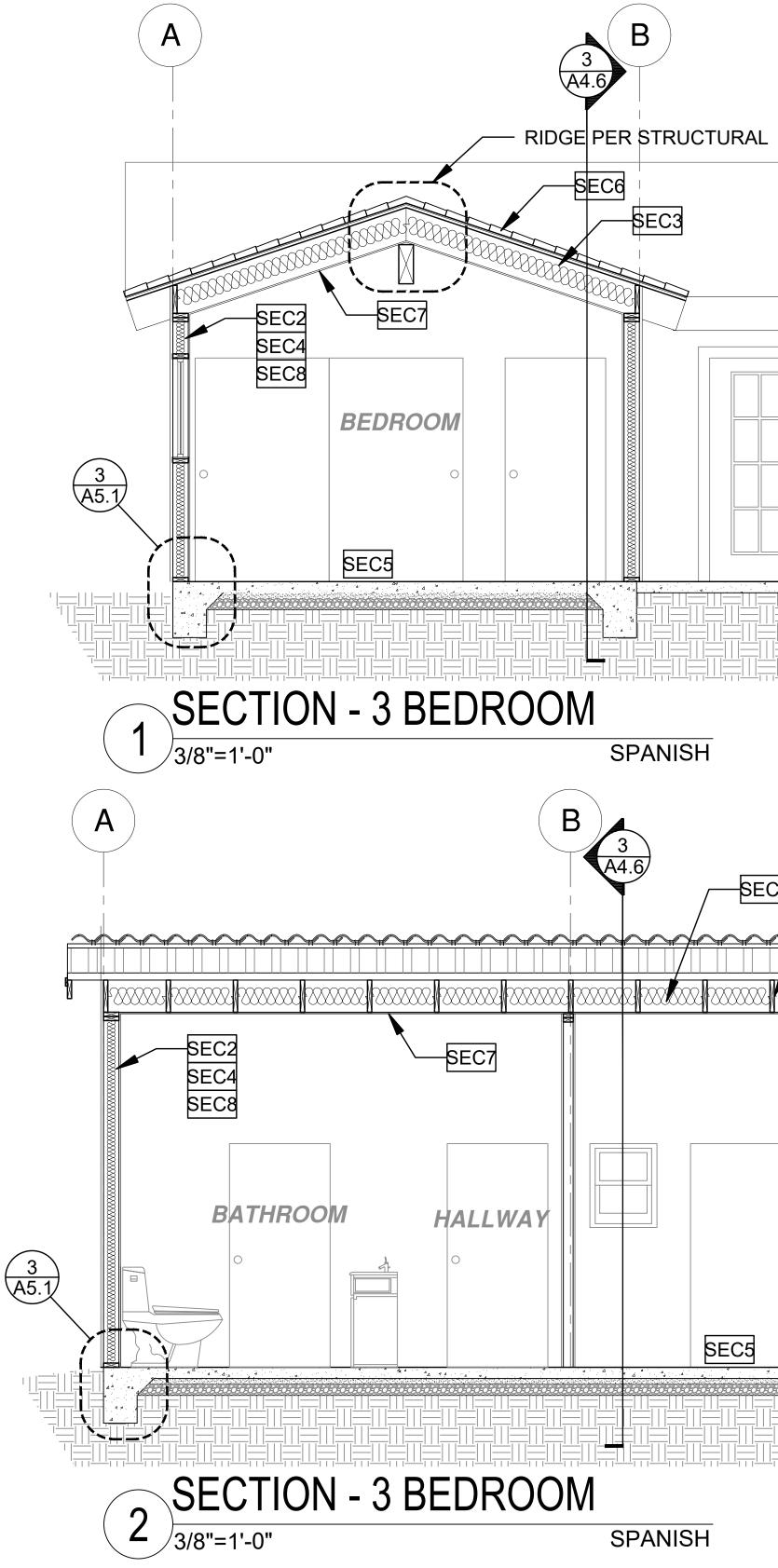
revisions

City of Riverside Pre-Approved ADU Program

 \square description Building

Sections Ranch

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	4.4



SECTION GENERAL NOTES

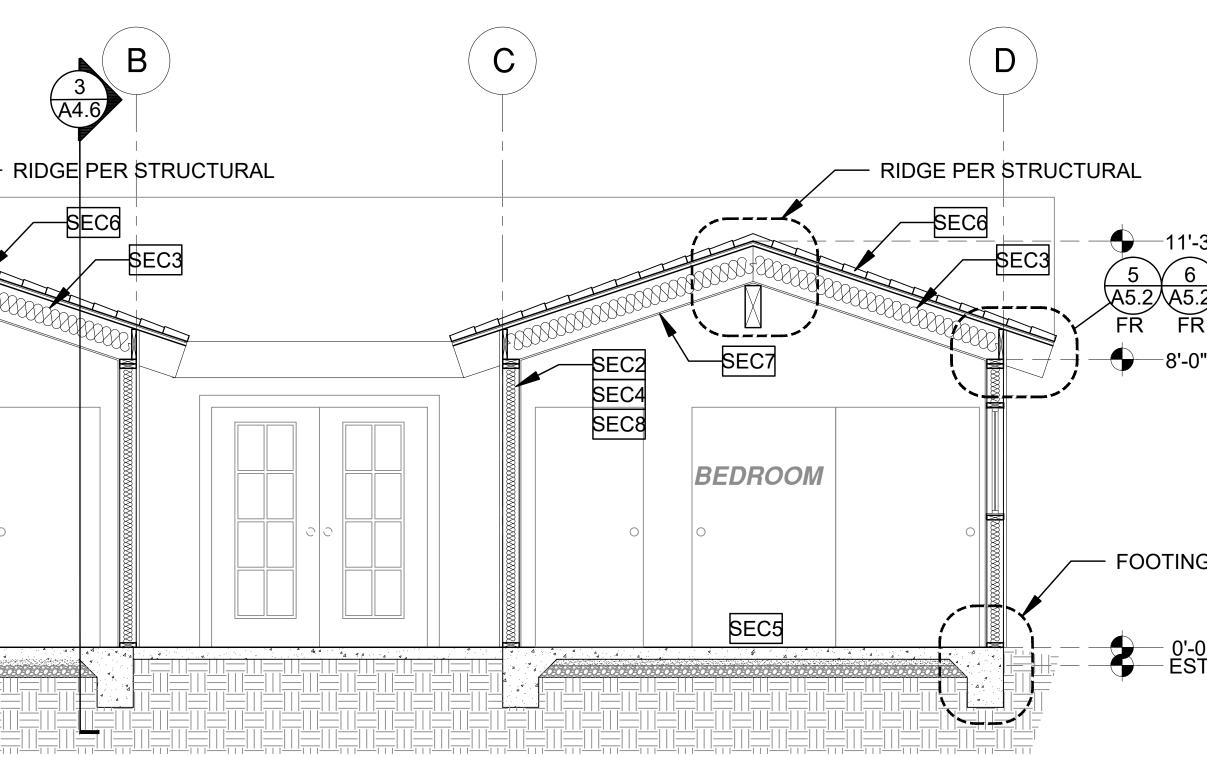
 METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTILLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX 	3. F RA EX ELI 4. V AL ST/ ST/ 5. I TH IN BA BE BF
VENTIAND ARE TO BE SIZED TO MEET REQUIRED VENTIATION TO ENCLOSED RAFTER SPACES. MAX χ^{μ} MIN χ^{μ} OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL.	

. INSULATION

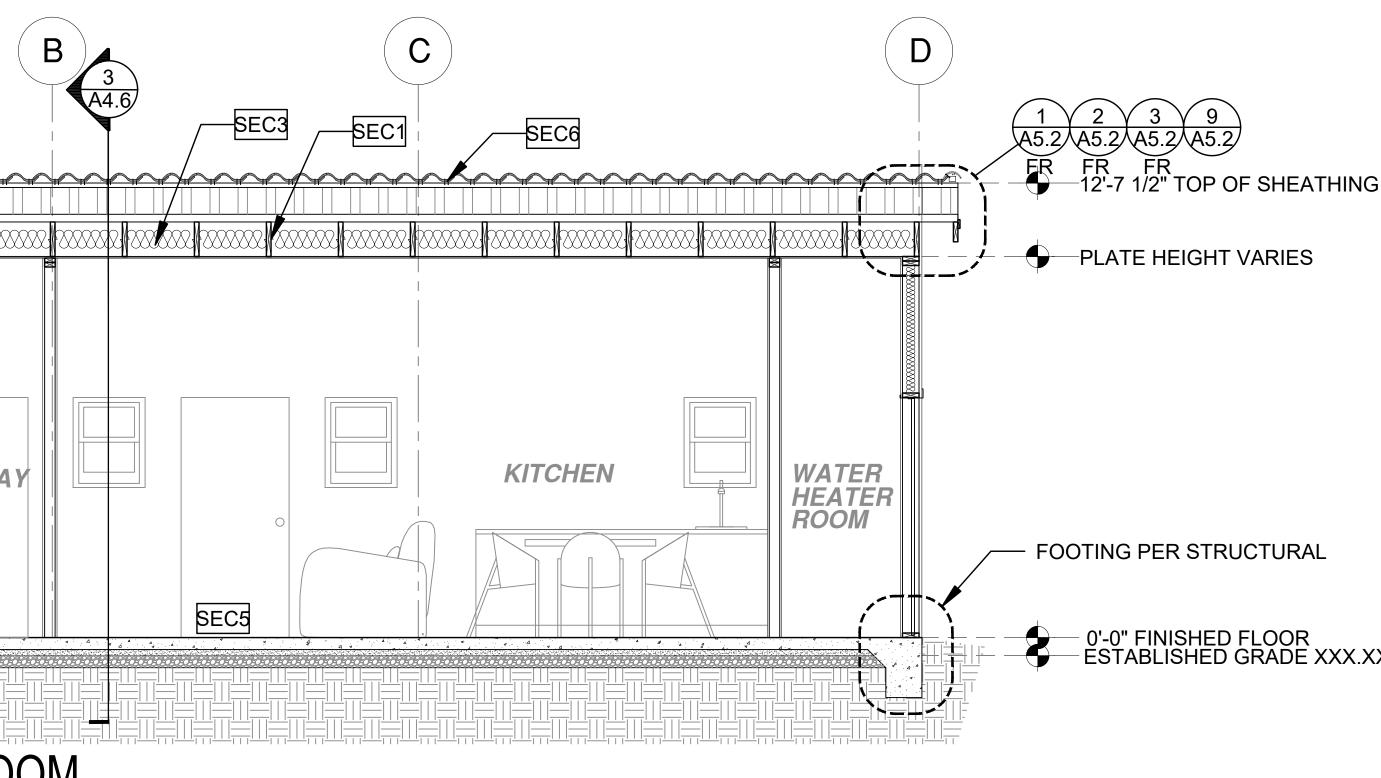
SECTION KEYNOTES

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



SPANISH



SPANISH

3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF 6. FLASHING AND SHEET METAL XHAUST FANS OR OTHER LECTRICAL/MECHANICAL FIXTURES. . WOOD SOFFIT/CEILING, SIDING & TRIM ALL NAILS, FASTENERS AND HARDWARE MUST BE TAINLESS STEEL OR HOT-DIPPED GALVANIZED.

STAPLES ARE NOT PERMITTED NSULATION WITH AN R VALUE NOT LESS SPECIFIED WITH SECTION R302.7.

N THE TITLE 24 ENERGY CALCULATIONS. AT ATHROOMS, LAUNDRY ROOM , AND MASTER ED/BATHROOMS INSULATION IS TO E PROVIDED WITH SOUND INSULATION,

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. HERMAL INSULATION IS TO BE FOIL BACKED BATT ENCLOSED SPACES UNDER STAIRS SHALL COMPLY

8. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, & STRUCTURAL PLANS. *KEYNOTES ONLY APPLY IF REFERNCED ON PLANS

1. INSULATION: REFER TO TITLE 24 REPORT FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION 2. FIRE BLOCKING TO BE LOCATED AT THE FOLLOWING

LOCATIONS PER 2022 CRC SECTION R302.11: A. SECTION R302.11-1. FIREBLOCKING SHALL BE PROVIDED IN

CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR LEVELS

B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT

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

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

SECTION R1003.19 FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION

CONSIST OF FOLLOWING MATER 1. TWO-INCH NOMINAL NUME 2.TWO THICKNESS OF ONE

11. SECTION R302.11.1 - FIREBLO

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

A5.2/A5.2/A5.2/A5.2

-8'-0" PLATE HEIGHT

FOOTING PER STRUCTURAL

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

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

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

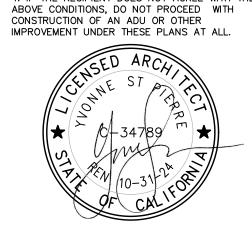
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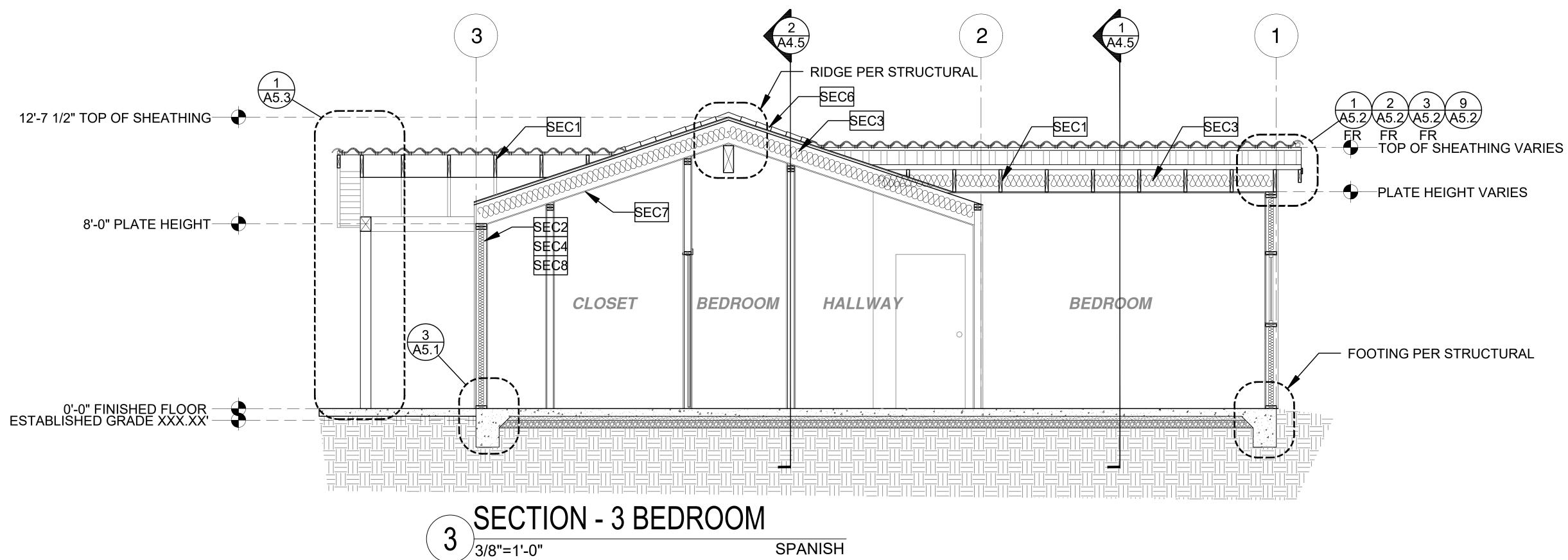
project

City of Riverside Pre-Approved ADU Program

revisions \bigtriangleup \square description

Building Sections Spanish

project no.	Riverside ADU
drawn by sheet no.	DESIGN PATH STUDIO
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SECTION KEYNOTES	SECTION GENERAL NOTE	ES
SEC1 RAFTERS PER PLAN SEE STRUCTURAL SEC2 2X STUDS @ 16" O.C SEE STRUCTURAL SEC3 CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS 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 60dda OR ABOVE SEC8 5/8" GYPSUM WALLBOARD	1. METALS 3. FRA SEE PLANS AND DETAILS FOR LOCATIONS, RAFTE QUANTITY AND CONFIGURATION OF EXHAU MISCELLANEOUS IRON AND STEEL WORK INCLUDING ELECT ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, 4. WOO POST ANCHORS AND LIKE ITEMS. 4. WOO FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY ALL N TO MAKE A COMPLETE STAINI INSTILLATION WHETHER OR NOT SPECIFICALLY STAPL DETAILED OR NOTED ON THE 5. INSI DRAWINGS. ALL EXTERIOR METAL AND HARDWARE THERI IS TO BE GALVANIZED. STEEL IS TO BE INSUL ASTM A3. IN THE 2. RAFTER VENTS ARE TO BE STAINLESS STEEL BATHI MESH AND ARE TO BE SIZED TO MEET REQUIRED BED/B VENTILATION TO ENCLOSED RAFTER SPACES. MAX ½" MIN ½" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. STAINI WIRE SCREEN MATERIAL.	ERS ⁻ JST FRIC/ OD S AILS LESS ES A ULA ⁻ MAL ATIC E TIT ROO ØATH

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- 2.TWO THICKNESS OF ONE-BROKEN LAP JOINTS
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- 6.ONE-FOURTH-INCH CEME 7.BATTS OR BLANKETS OF
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DCKING MATERIALS SHALL RIALS: /BER E-INCH NOMINAL LUMBER WITH	SECTION CUT
9-INCH WOOD STRUCTURAL CKED BY 0.719-INCH WOOD	ELEVATION CALLOUT
INCH PARTICLE BOARD WITH INCH PARTICLE BOARD I BOARD ENT-BASED MILLBOARD MINERAL WOOL, MINERAL FIBER ATERIAL INSTALLED IN SUCH A	DETAIL DRAWING REF.
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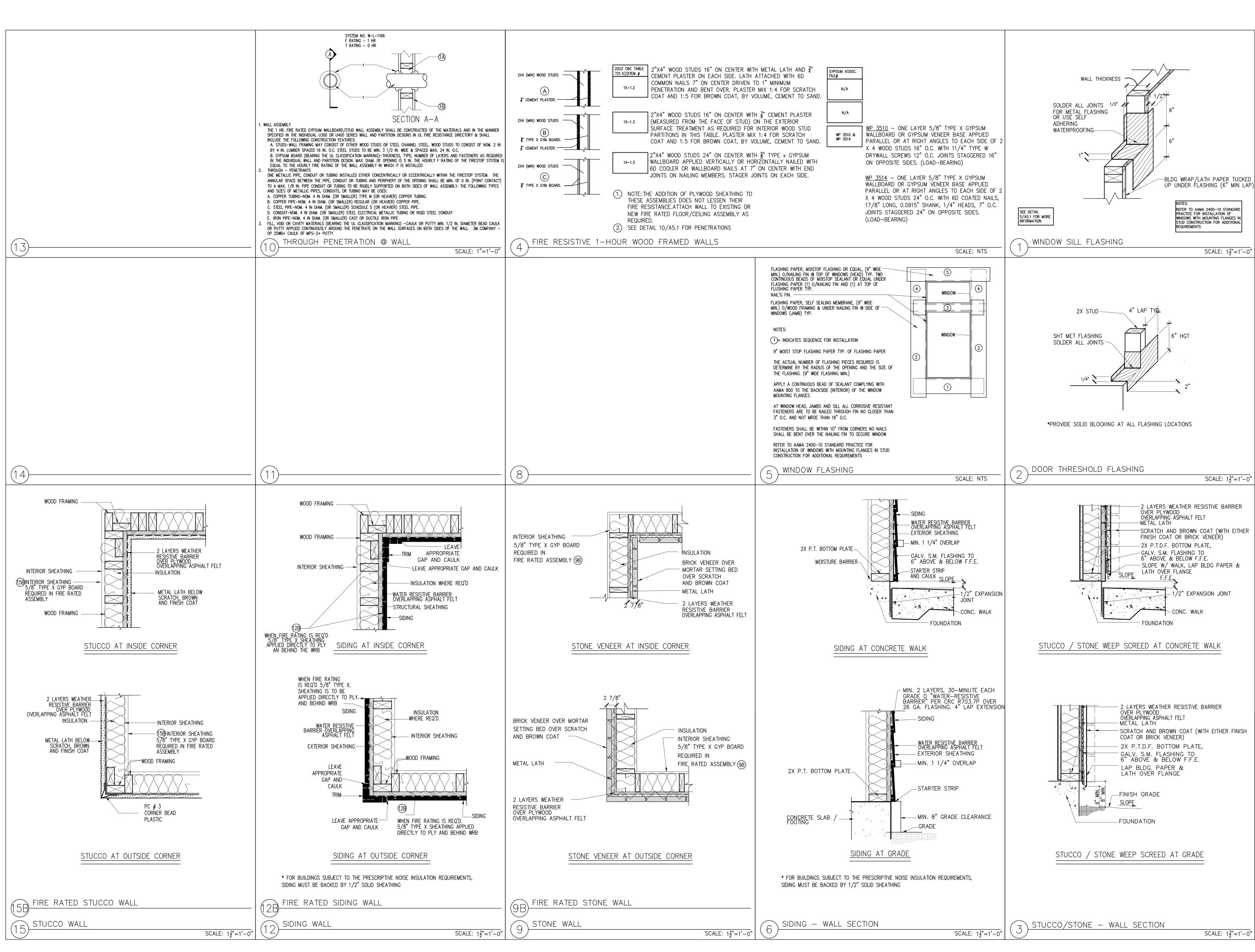
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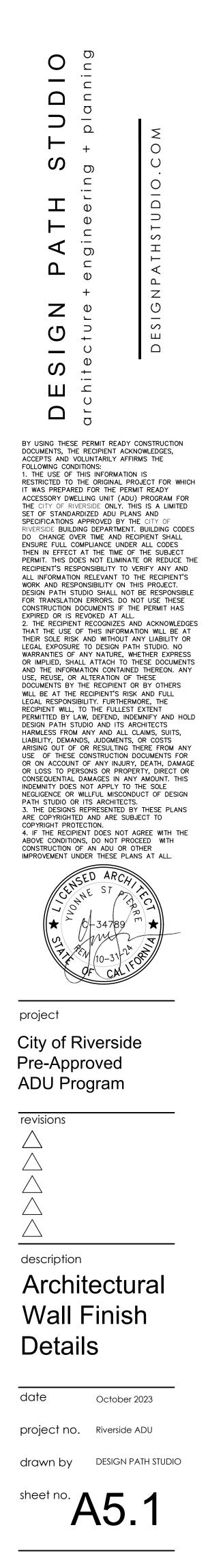
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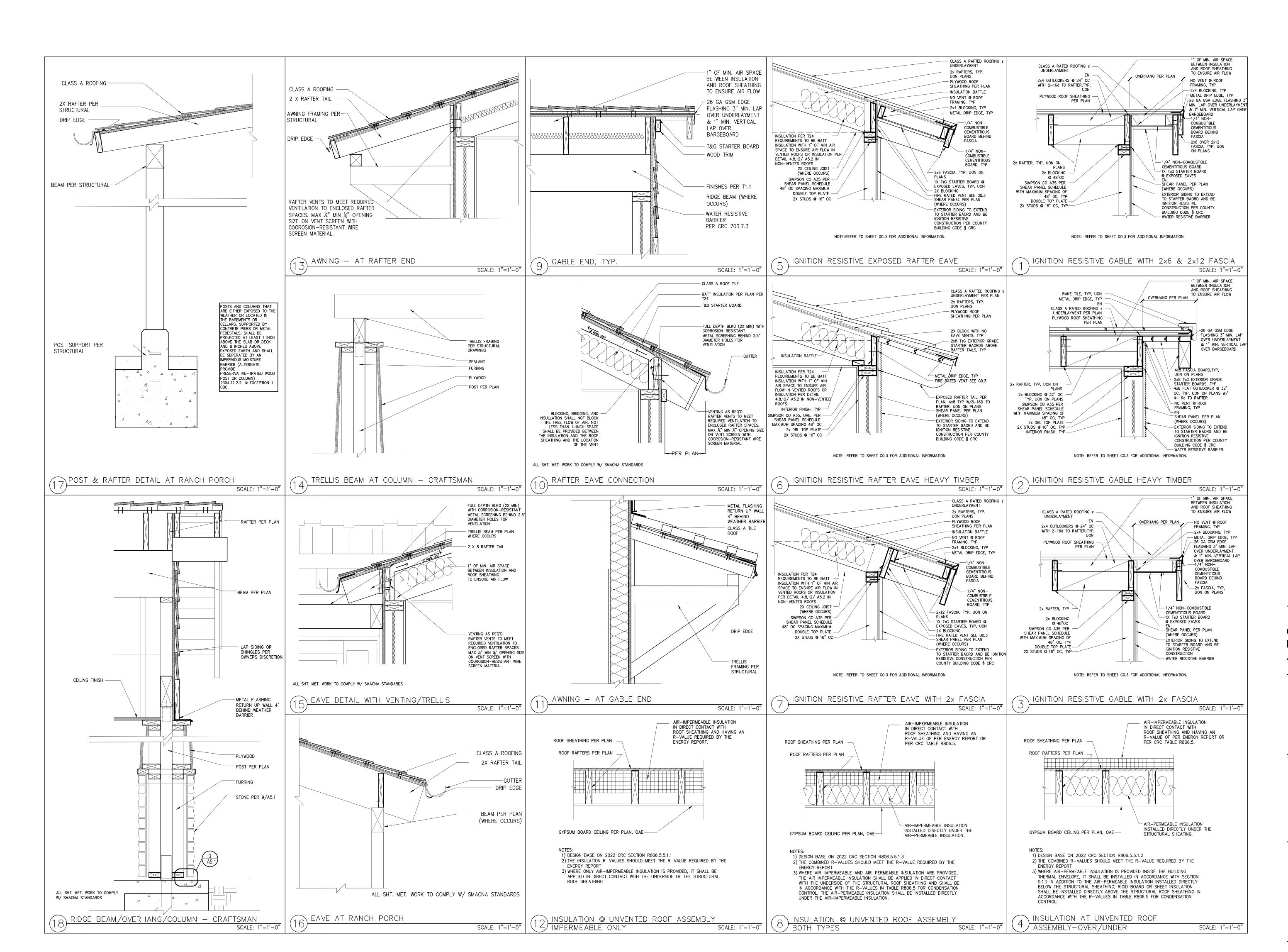
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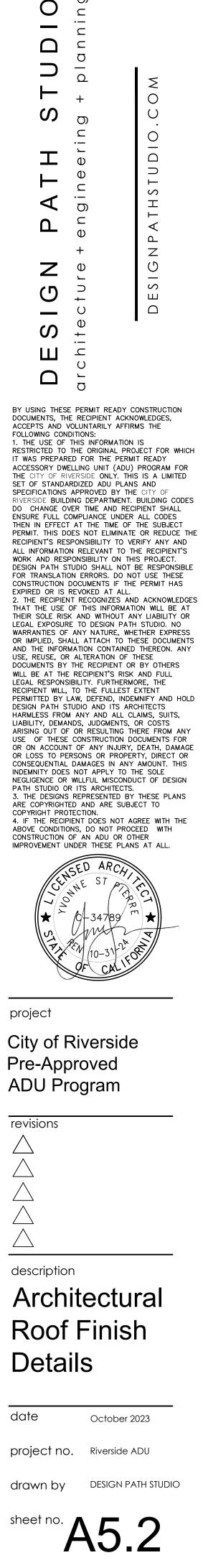
description Building Sections Spanish

sheet no.	4.6
drawn by	DESIGN PATH STUDIO
project no.	Riverside ADU
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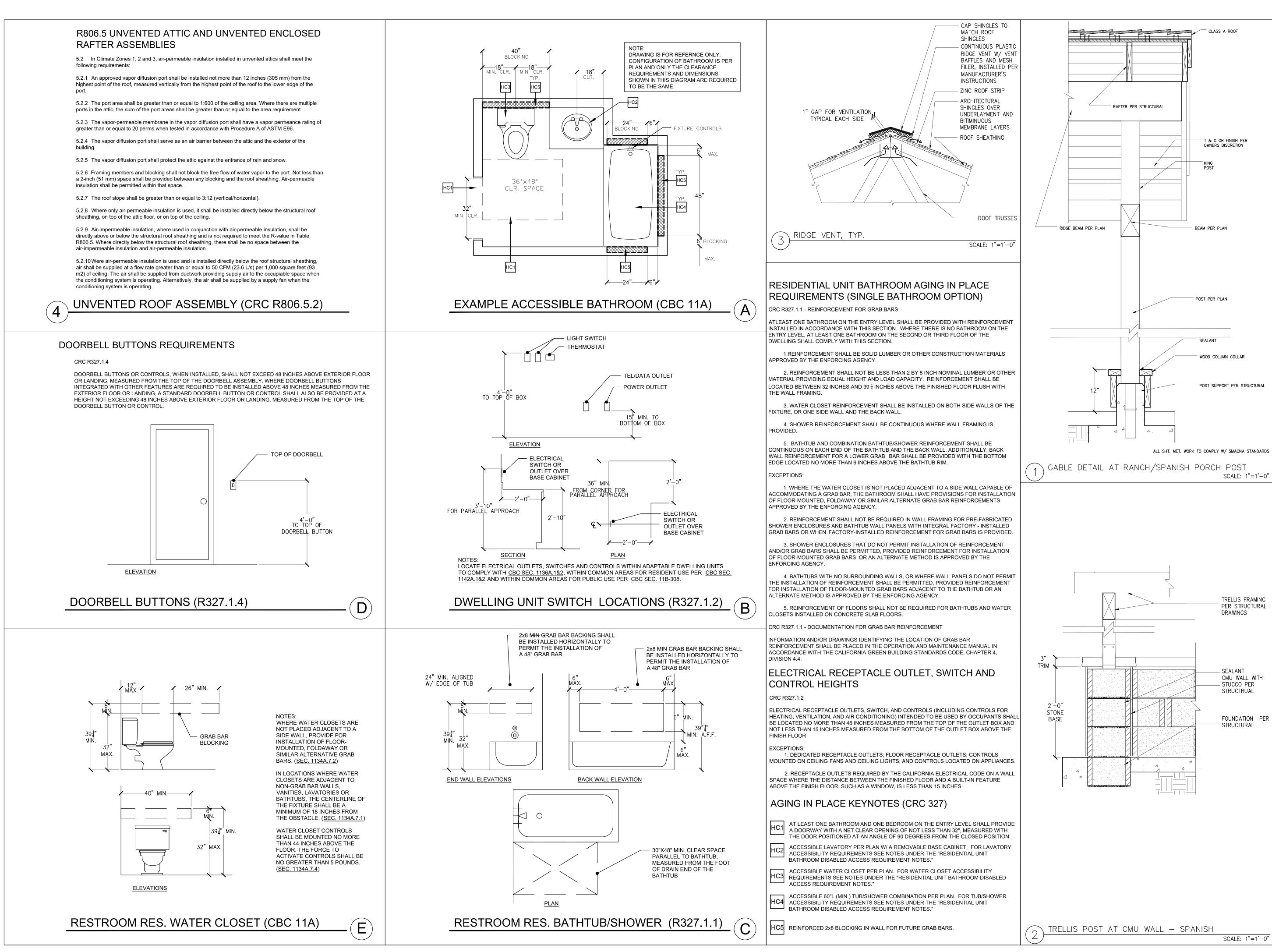








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2. CONCRETE FOUNDATION CONSTRUCTION	3. WOOD FRAMING CONSTRUCTION (CONT.)	3. WOOD FRAMING CONSTRUCTION (CONT.)	6. NAILING SCHEDULE, MINI
 200. THE FIELD INSPECTOR SHALL VERIFY FOUNDATION REQUIREMENTS DURING FOUNDATION INSPECTION. 201. CONCRETE STRENGTH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

IMUMS (CBC CHAPTER 23, TABLE 2304.10.2)

NIMUMS (CBC C	CHAF	PTEF	<u>R 23, TAB</u>	LE 2304.10.2)	
TO TOP PLATE OR OTHER FRAMING, T.N. VALL TOP PLATE TO RAFTER OR TRUSS, T.N. VALL TOP PLATE TO RAFTER OR TRUSS, E.N. ER, LAPS OVER PARTITIONS, F.N. PER 2308.7.3.1 HEEL JOINT), F.N. PER 2308.7.3.1			4-8d Box, 3-8d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples 2-8d Com, 2-3" x 0.131" nails, 2-3" 14 gage staples 2-16d Com, 3-3" x 0.131" nails, 3-3" 14 gage staples 16d Com, 3"x.131" nails, 3"x14 gage staples @ 6" o.c 4-8d box, 3-8d Com, 3-10d box, 3-3"x.131 nails, 3-3" 14 gage staples 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples		
9.7.3.5			3-10d	Com, 4-10d box, 4-3"x0.131" nails, 4-3" 14 gage staples 6d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples	
" RIDGE BEAM			5-100 Com, 5-1	00 01 4-100 box, 4-5 x 0.151 Tialis, 4-5 14 gage staples	
4-16d box, 2 16d Com @ 24" o.d			2-16d Com, 3-16d p.c. FN OR 2-10d b	6d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples l box, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples box, 3" x 0.131" nails, 3-3" 14 gage staples @ 16" o.c. FN Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c OR 16d Box @ 12" o.c. 4-8d Com, 4-10d Box, 5-8d box	
IDE OF END JOINT), FACENAIL	16d	Com @ '	16" o.c. FN OR 100	d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12 o.c. FN	
		8-16d	l Com, 12-16d Box	, 12-10d Box, 12-3" x 0.131" nails, 12-3" 14 gage staples	
			2-16	16d Com 16d Box, 3" x 0.131" nails, 3" 14 gage staples id Com, 3-16d Box,4-3"x.131" nails,4-3" 14 gage staples	
				Com, 3-16d Box, 4-3"x0.131" nails, 4-3" 14 gage staples Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples	
N, F.N. N.			2-16d C 3-8d Box, 2-8d C 3	Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples Com, 2-10d Box, 2-3" x 0.131" nails, 2-3" 14 gage staples A-8d Box, 2-1.75" 16 Gage staples, 2-8d Com, 2-10d Box A-8d box, 4-1.75" 16 Gage staples, 3-8d Com, 3-10d Box	
E, SILL OR OTHER	8d Box @	4" o.c. T		om, 3-10d Box, 3-3" x 0.131" nails, 3-3" 14 gage staples d Box, 3" x 0.131" nails, 3" 14 gage staples @ 6" o.c. TN 2-1.75" Gage Staples, 2-8d Com, 3-10d Box 3-16d Box, 2-16d Com	
IAIL & EACH BEARING				3-16d Box, 2-16d Com	
S PPOSITE SIDES				20d Com	
			4-16d Box, 3- 3-	10d Box, 3"x0.131" nails, 3" 14 gage staples Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples -16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES -16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES	
ISS EACH END, T.N. TERIOR WALL SHTNG TO FRMG	AND	EDGES	INTERMEDIATE	com, 2-10d box, 2-3" x 0.131" nails, 2-3" 14 gage staples	
floor aħd wall)		(IN) 6	SUPPORTS (IN) 12		
(roof)		6 ^e	6 ^e	FOOTNOTES:	
ll)		4 3 ^f	8 3 ^f 3 ^f	a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and	
		3 ^f 6	3 12	particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.	
(roof) ^d		6 ^e	6 ^e	b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel	
e, <u>7</u> " crown 31"x.281 head)		4	8	supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked). c. Where a rafter is fastened to an adjacent parallel ceiling joist in	
51 X.201 Head)		6	12	accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the	
dia) or $1\frac{1}{4}$ " 16 Ga Staple w/ $\frac{7}{16}$ " or	1" crown	3	6	rafter shall be permitted to be reduced by one nail. d. RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.	
dia) or $1\frac{1}{2}$ " 16 Ga Staple w/ $\frac{7}{16}$ " or	1" crown	3	6	e. Tabulated fastener requirements apply where the ultimate design wind speed is less than 140 mph. For wood structural panel roof	
OOR UNDERLAYMENT TO FRA	MING			sheathing attached to gable-end roof framing and to intermediate supports within 48 inches of roof edges and ridges, nails shall be spaced at 4 inches on center where the ultimate design wind speed is	
x0.113"); or deformed (2"x0.120") x0.113"); or deformed (2"x0.120")		6 6	12 12	greater than 130 mph in Exposure B or greater than 110 mph in Exposure C. Spacing exceeding 6 inches on center at intermediate	
$(x0.131); \text{ or deformed } (2\frac{1}{2}x0.120)$		6	12	supports shall be permitted where the fastening is designed per the AWC NDS.	
		6	12	e. Fastening is only permitted where the ultimate design wind speed is less than or equal to 110 mph g. Nails and staples are carbon steel meeting the specifications of	
6d corrosion-resistant (2"x.099") 8d corrosion-resistant casing (2½"	x0.113")	6	12	ASTM F1667. Connections using nails and staples of other materials, such as stainless steel, shall be designed by acceptable engineering	
	- /			practice or approved under Section 104.11.	
72") - (Panel supports at 24 inches)		6 6	12 12		
/	8. 5			OF SPECIAL INSPECTIONS	
DE AND 2022 CALIFORNIA	A	LL-THRE	EAD ROD AND SIN INSPECTION. (NO	FOR MISPLACED HOLDOWNS WITH MPSON SET-XP EPOXY REQUIRE D SPECIAL INSPECTION IS REQUIRED BOLTS OR TITEN HD'S WITHOUT A	
1,500 psf D (Default)			N ATTACHED.)		
D II				ISPECTION IS NOT REQUIRED FOR ON GRADE NOR FOR CONCRETE	
1 Cs: 0.231				T 3 STORIES ABOVE GRADE OR LESS.	
R: 6.5				NSPECTION IS NOT REQUIRED FOR	
ARING WALL ANALYSIS EDURE SEE STRUCTURAL SHEAR, Cs, & R FACTORS.	SEISMIC COMPONENTS FOR DETTACHED ONE- AND TWO-FAMILY DWELLINGS NOT EXCEEDING 2 STORIES ABOVE GRADE.				
124 mph	9. SOILS REPORT				
ll C					
0.18	A GEOTECHNICAL REPORT WILL NOT BE REQUIRED FOR THIS ADU PROGRAM. A CONSERVATIVE VALUE FOR THE SOIL BEARING				
L 20 psf	ALLOWABLE OF 1500 PSF HAS BEEN USED IN DESIGN OF THE BUILDING.				
L 20 psf LL 20 psf S LL 10 psf	IF IT IS UNDERSTOOD THAT EXPANSIVE SOILS MAY BE FOUND IN BUILDING AREA, A GEOTECHNICAL REPORT PREPARED BY A CALIFORNIA REGISTERED DESIGN PROFESSIONAL MAY BE REQUIRED.				

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

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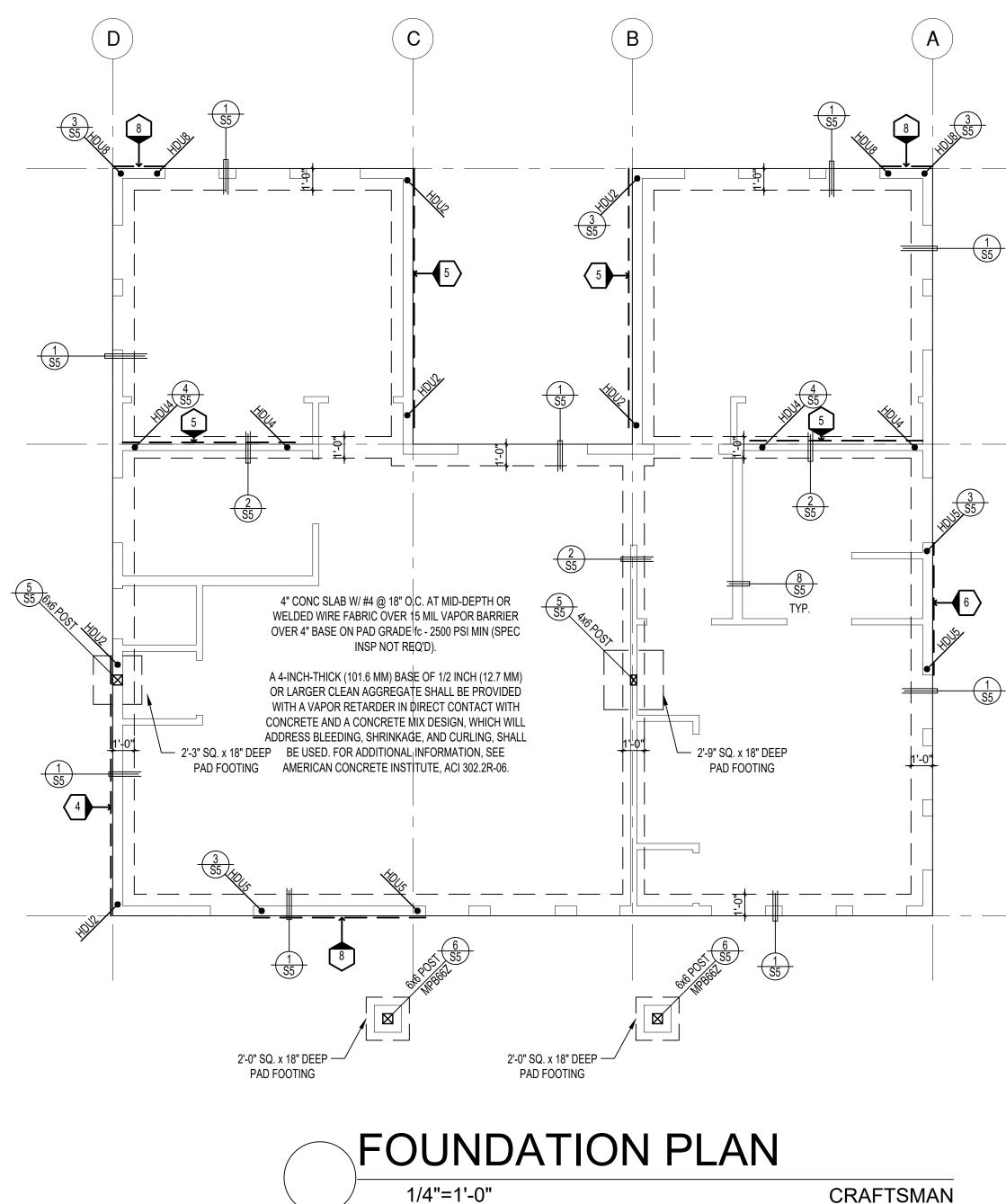
revisions



description

Structural Notes & Specifications

date	October 2023	
project no.	Riverside ADU	
drawn by	design path studio	
sheet no. S1		



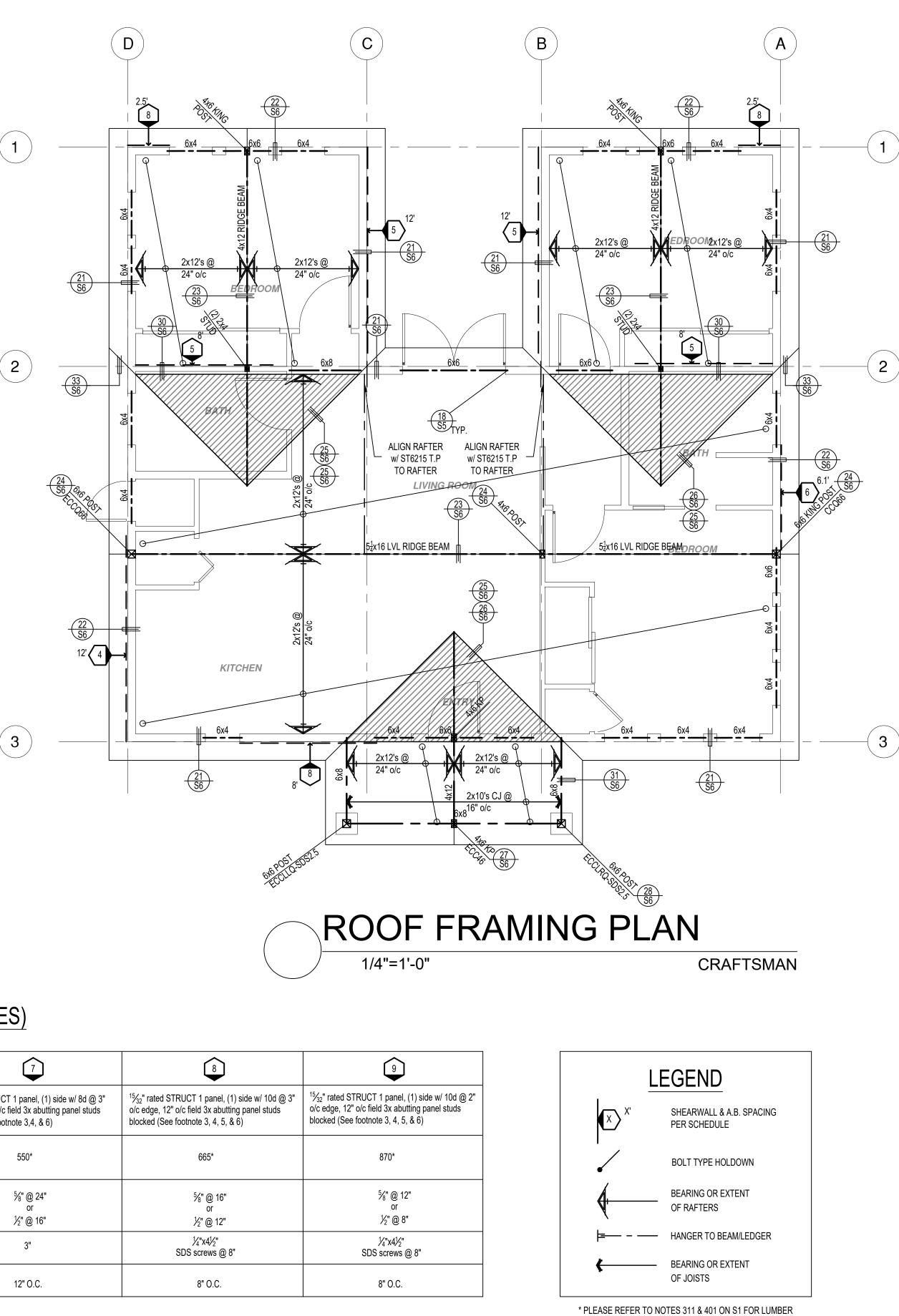
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	4	5	6	7	8	9
SHEARWALL DESCRIPTION (See footnotes 1& 4)	$\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6)	$\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 4" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6)	3/8" ply. C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3,4, & 6)	$\frac{3}{8}$ " rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3,4, & 6)	15 / ₃₂ " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, 5, & 6)	15 / ₃₂ " rated STRUCT 1 panel, (1) sid o/c edge, 12" o/c field 3x abutting pa blocked (See footnote 3, 4, 5, & 6)
SHEAR VALUE (PLF)	260*	375*	490*	550*	665*	870*
ANCHOR BOLT SPACING	5⁄8" @ 48" or 1∕2" @ 32"	5⁄8" @ 32" or 1∕2" @ 24"	5⁄8" @ 24" or 1∕2" @ 16"	5⁄8" @ 24" or 1∕2" @ 16"	5%" @ 16" or ½" @ 12"	5⁄8" @ 12" or 1∕2" @ 8"
16d (0.148") SILL NAILING	6"	4"	31⁄2"	3"	¼"x4½" SDS screws @ 8"	1/4"x41/2" SDS screws @ 8"
SPACING OF A35/LTP4 FRAMING TO TOP PLATE	32" O.C.	16" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.

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SHEAR WALL SCHEDULE (ASD VALUES)

SHEAR WALL FOOTNOTES

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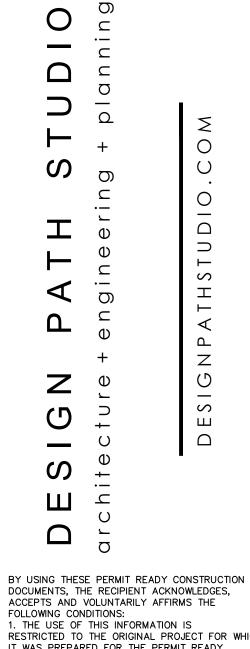
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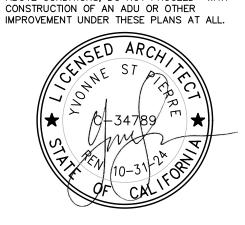
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(5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING.

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



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project

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Foundation & Framing <u>Plan</u>

date October 2023

GRADE SPECIFICATIONS.

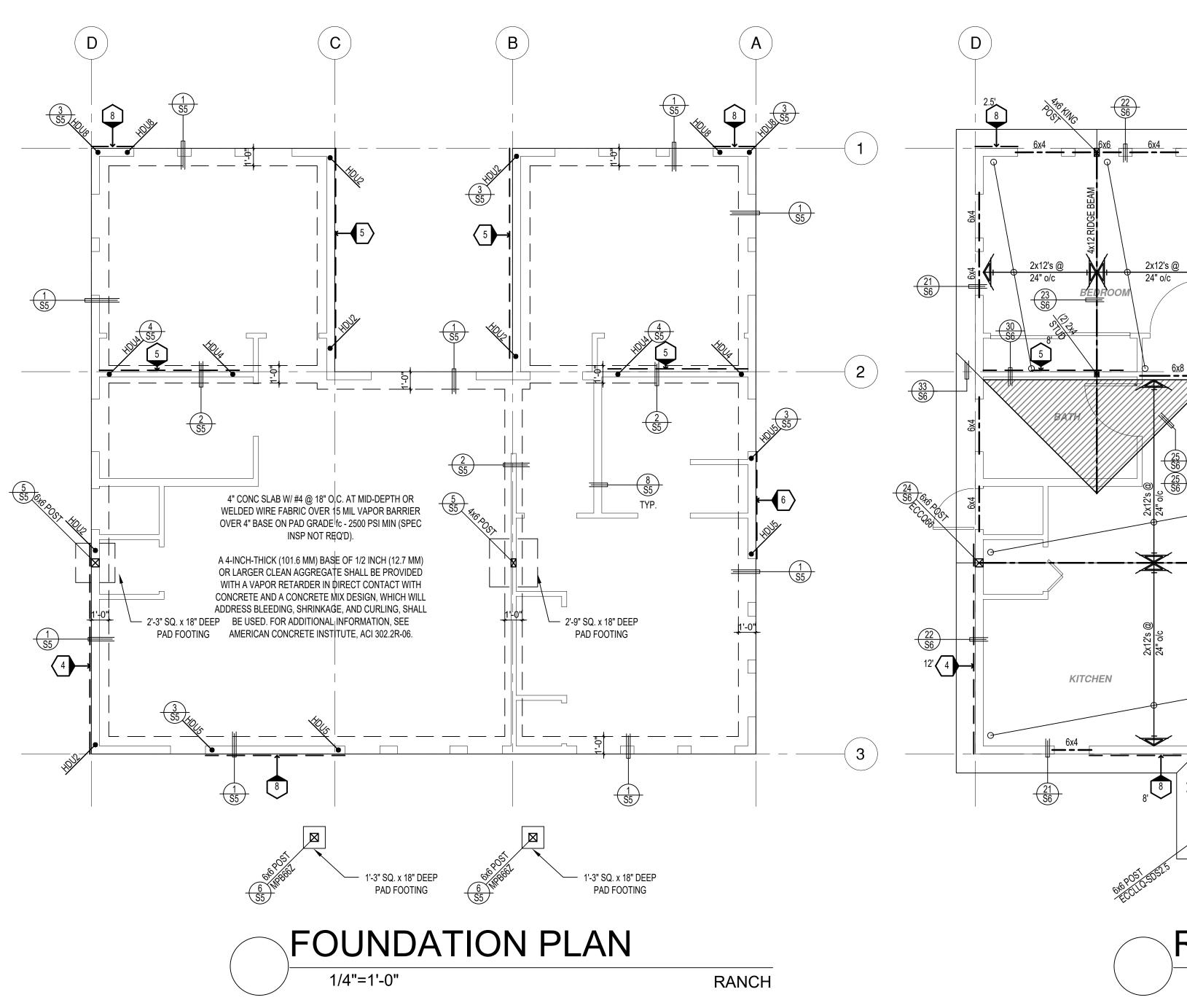
project no. Riverside ADU

drawn by

DESIGN PATH STUDIO

sheet no.





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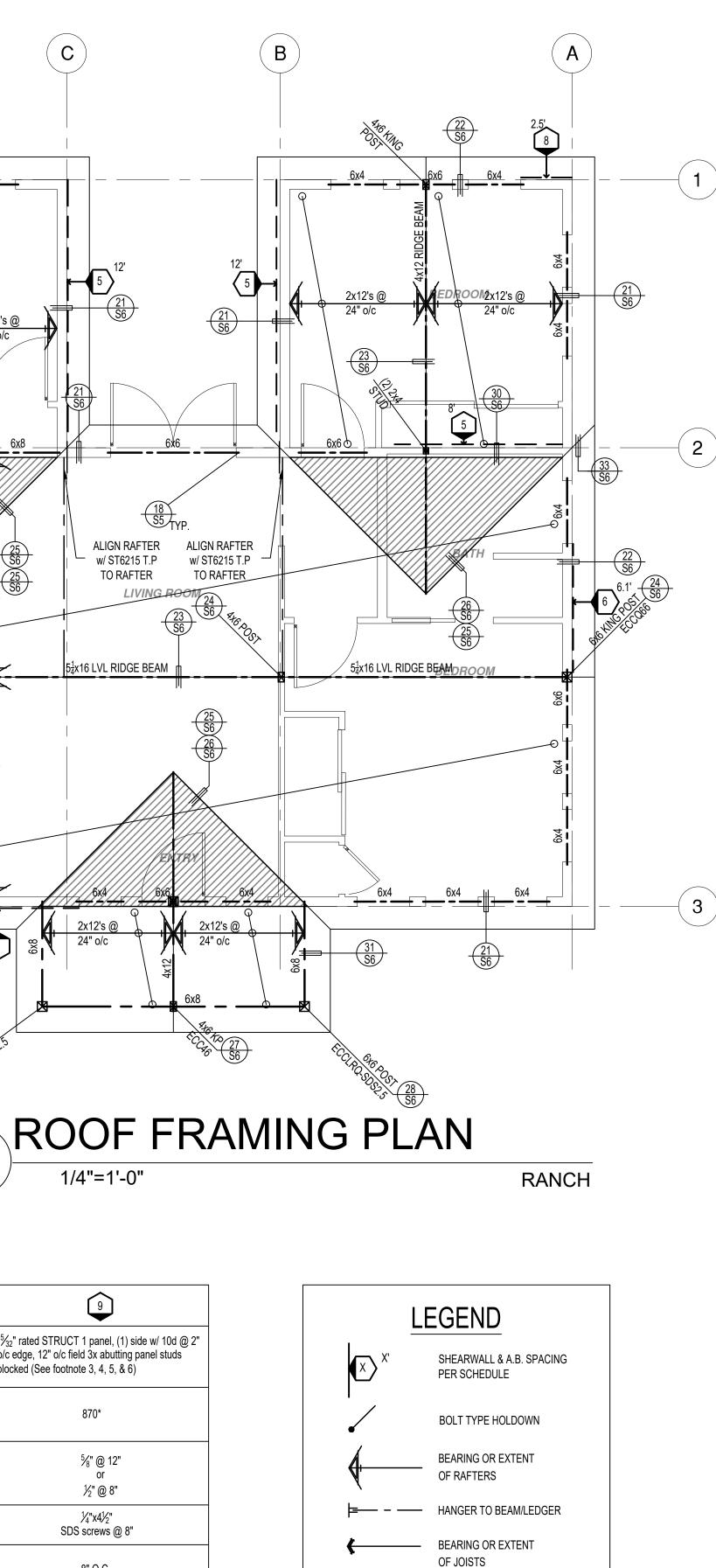
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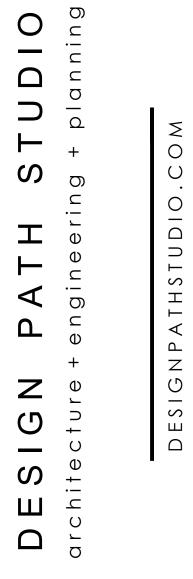
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project

City of Riverside Pre-Approved ADU Program

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Foundation & Framing <u>Plan</u>

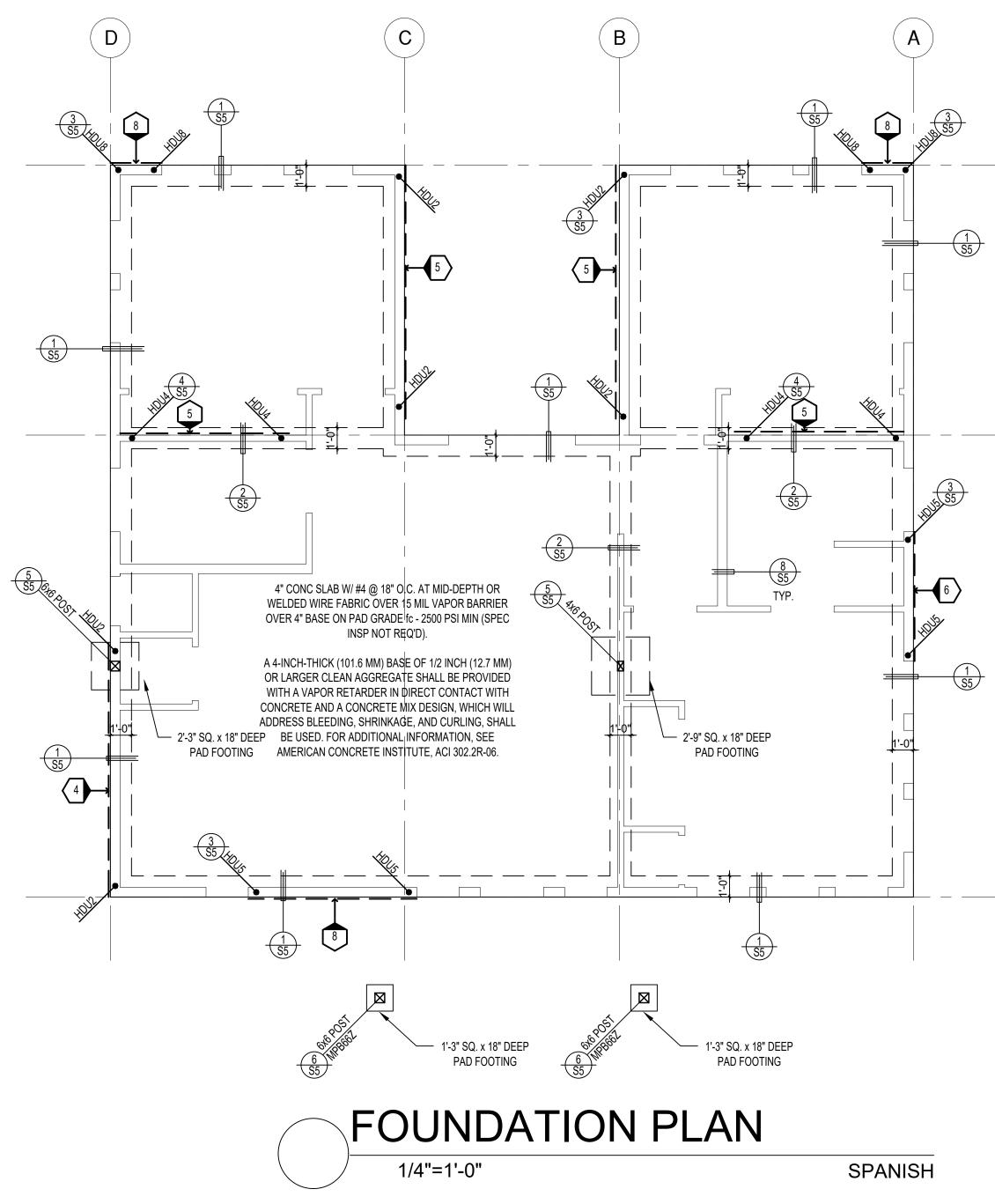
date October 2023

project no. Riverside ADU

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DESIGN PATH STUDIO

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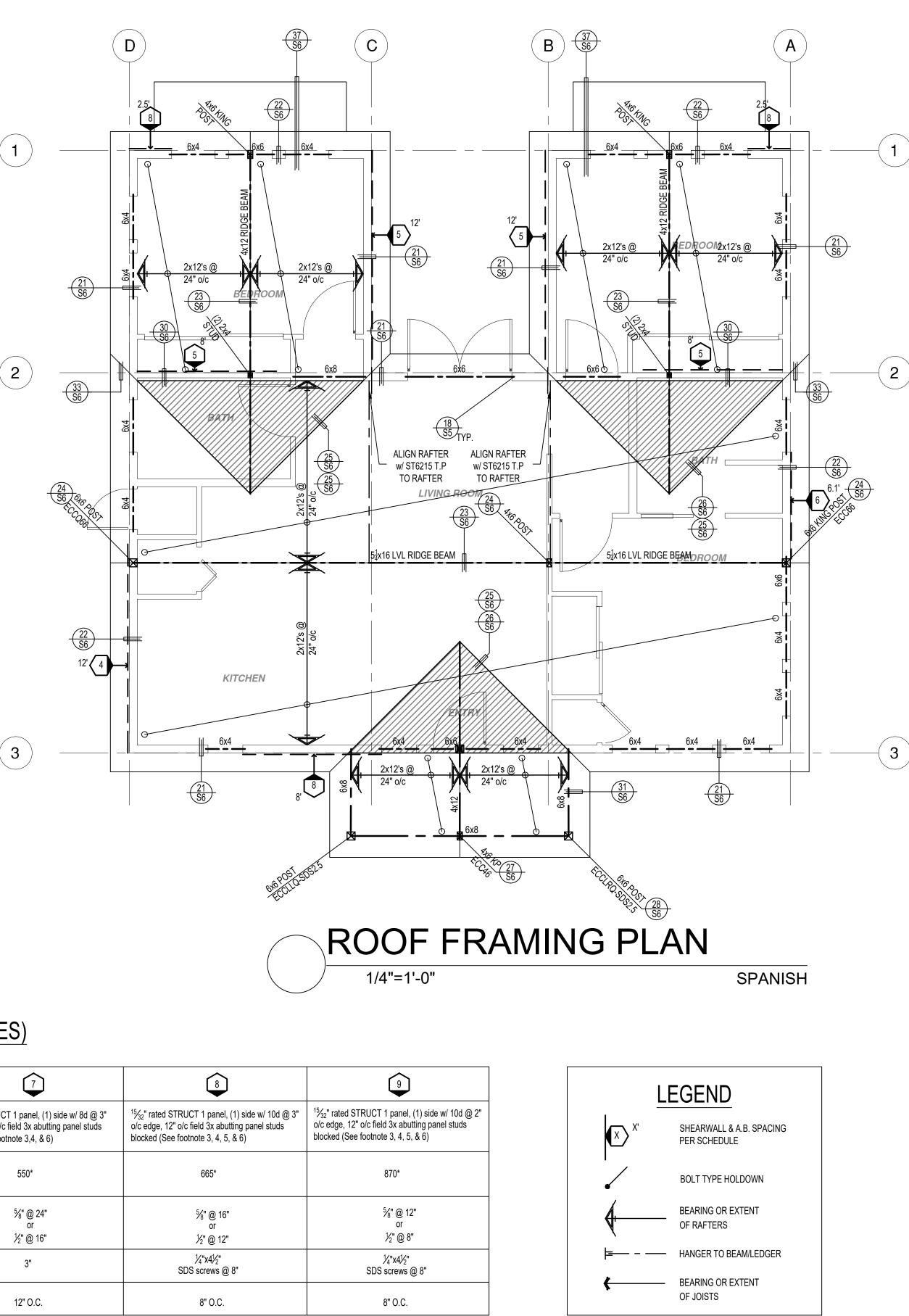
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- . FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

	4	5	6	7	8	9
SHEARWALL DESCRIPTION (See footnotes 1& 4)	$\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6)	³ / ₈ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 4" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6)	³ / ₈ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3,4, & 6)	³ / ₈ " rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3,4, & 6)	15 / ₃₂ " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, 5, & 6)	15/32" rated STRUCT 1 panel, (1) sid o/c edge, 12" o/c field 3x abutting pa blocked (See footnote 3, 4, 5, & 6)
SHEAR VALUE (PLF)	260*	375*	490*	550*	665*	870*
ANCHOR BOLT SPACING	5⁄8" @ 48" or 1∕2" @ 32"	5⁄8" @ 32" or ½" @ 24"	5%" @ 24" or ½" @ 16"	5⁄8" @ 24" or 1∕2" @ 16"	5⁄8" @ 16" or 1∕2" @ 12"	5⁄8" @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	6"	4"	3½"	3"	¼"x4½" SDS screws @ 8"	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

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

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

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

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

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

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



project

City of Riverside Pre-Approved ADU Program

revisions \bigtriangleup \triangle \triangle \square description Spanish

Foundation & Framing <u>Plan</u>

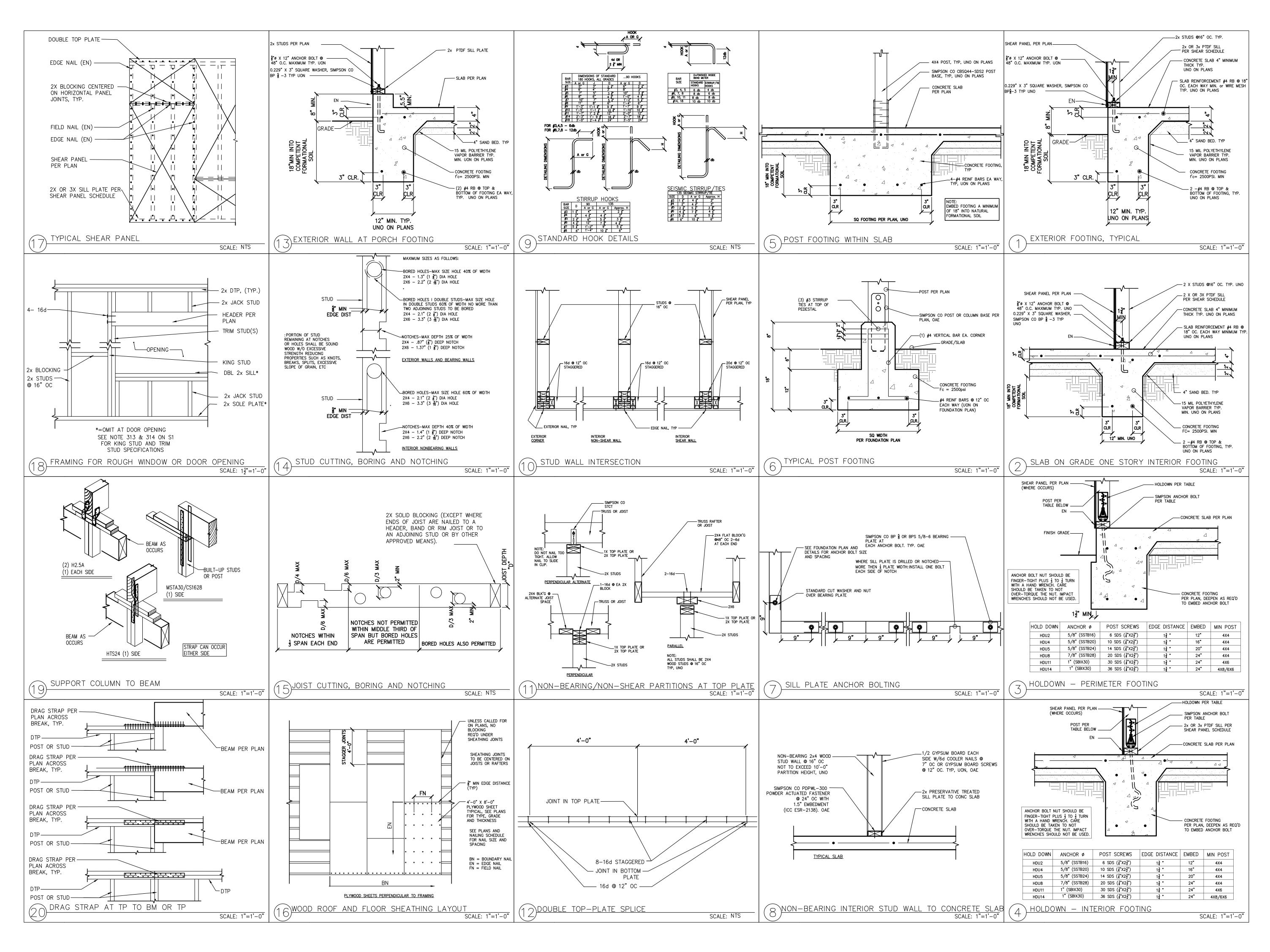
date October 2023

project no. Riverside ADU

drawn by

DESIGN PATH STUDIO

sheet no.

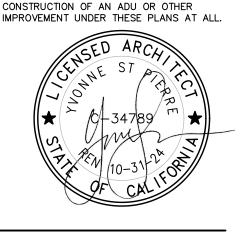


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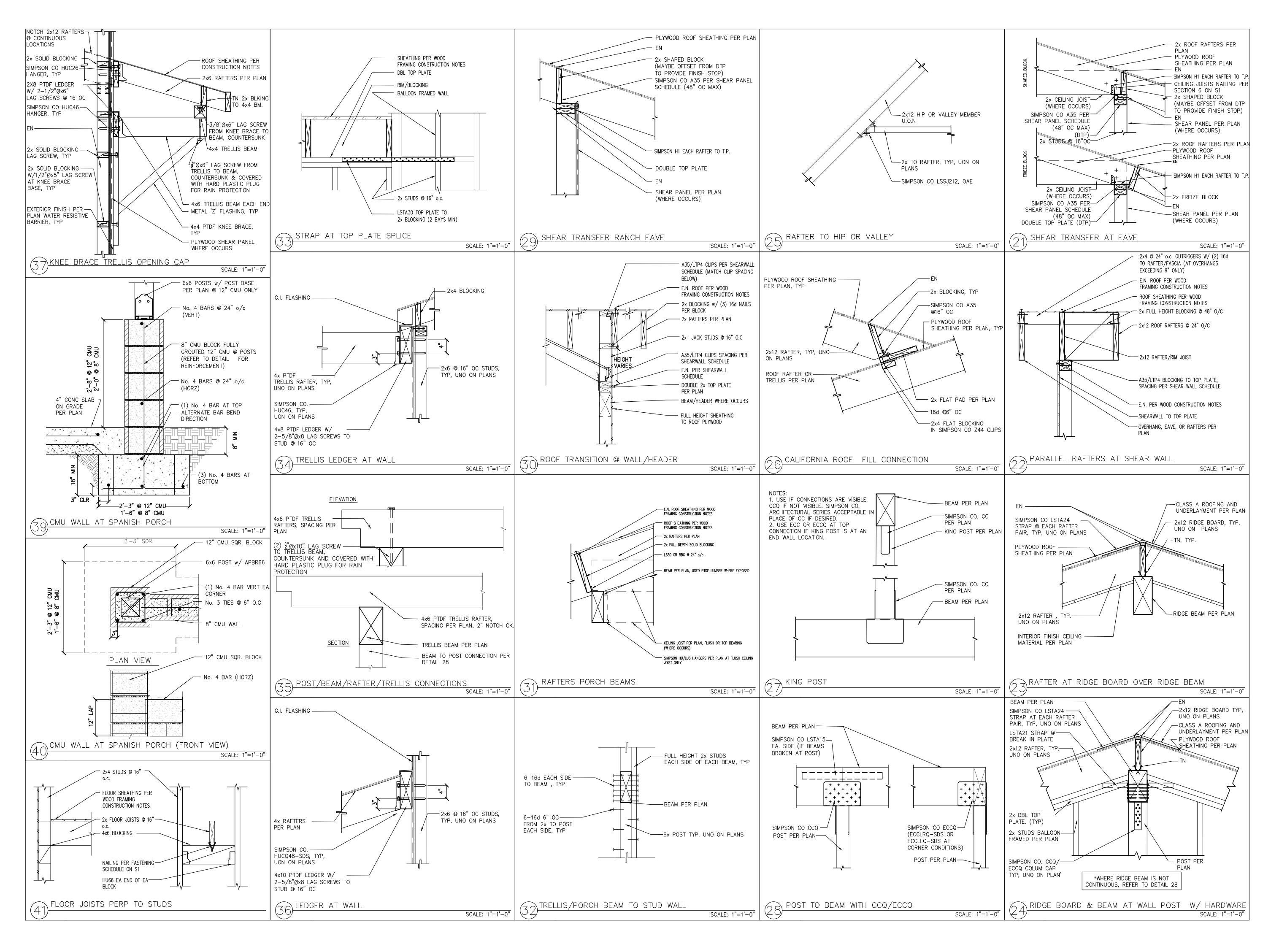
project

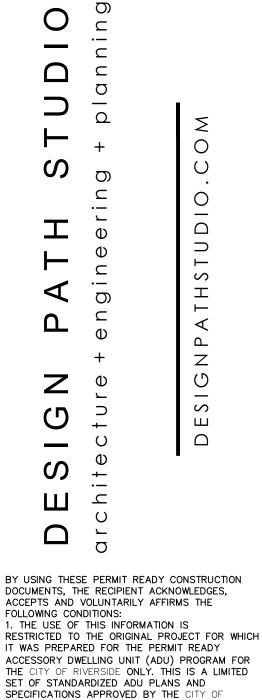
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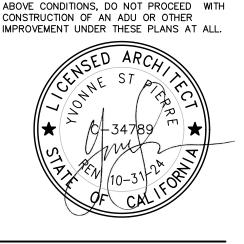
description Structural Details

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	65



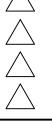


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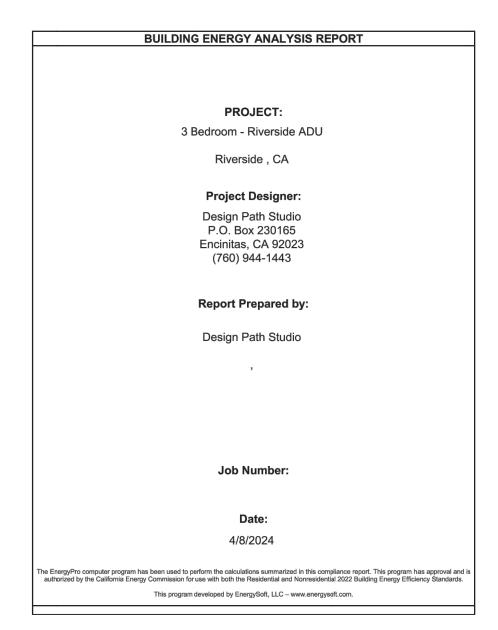
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revisions



description Structural Details

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no.	
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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD		CF1R-PRF-01-E
Project Name: 3 Bedroom - Riverside ADU	Calculation Date/Time: 2024-04-08T12:01:25-07:00	(Page 3 of 13)
Calculation Description: Title 24 Analysis	Input File Name: 3 Bedroom - Riverside.ribd22x	

ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft ² -yr)	Standard Design TDV Energy (EDR2) (kTDV/ft ² -yr)	Proposed Design Source Energy (EDR1) (kBtu/ft ² -yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft ² -yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	1.57	7.18	1.72	12.21	-0.15	-5.03
Space Cooling	1.21	26.69	0.86	22.05	0.35	4.64
IAQ Ventilation	0.42	4.4	0.42	4.4	0	0
Water Heating	2.01	20.41	1.21	13.56	0.8	6.85
Self Utilization/Flexibility Credit	\wedge			0		0
North Facing Efficiency Compliance Total	5.21	58.68		52.22	1	6.46
Space Heating	1,57	7.18		12.24	-0.14	-5.06
Space Cooling	1.21	6 H 26.69 R S	PR 0.97 VII) E R _{25.57}	0.24	1.12
IAQ Ventilation	0.42	4.4	0.42	4.4	0	0
Water Heating	2.01	20.41	1.2	13.54	0.81	6.87
Self Utilization/Flexibility Credit				0		0
East Facing Efficiency Compliance Total	5.21	58.68	4.3	55.75	0.91	2.93

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

CERTIFICATE OF	COMPLIANCE - RE	ESIDENTIAL PERFORMA	NCE COMPLIANCE M	ETHOD						CF	1R-PRF-01-E
Project Name: 3	Bedroom - Rivers	ide ADU		Calculatio	on Date	/Time: 2024	-04-08T	12:01:25-07:0	00	(Page 6 of 13)
Calculation Desc	ription: Title 24 A	nalysis		Input File	Name	: 3 Bedroom	- Riversi	de.ribd22x			
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 I	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
2.44	NA	Standard (14-17%)	Fixed	none	true	150-270	n/a	n/a	<=7:12	96	98
REQUIRED SPECIA	L FEATURES										
The following are	features that must k	pe installed as condition for	meeting the modeled	energy performance f	or this c	omputer anal	ysis.				
		ompliance option (verificati liance (NEE <mark>A) r</mark> ated heat pu					talled				
HERS FEATURE SU	MMARY										
		tures that must be field-ve s below. Registered CF2Rs					eled ener	gy performanc	e for this com	puter analysis	. Additional
 Indoor air q Kitchen ran Verified Ref Airflow in h 	rigerant Charge abitable rooms (SC3	3.1.4.1.7)	HERS	EKI PRC			TC E R	` Ì			
Wall-mount		ng capacity ones greater than 150 ft2 (S ntirely in conditioned space				÷					
BUILDING - FEATU	RES INFORMATION	,									
01		02	03	04		05			06		07
Project N	ame Con	ditioned Floor Area (ft ²)	Number of Dwelling Units	Number of Bedroo	oms	Number of a	Zones		f Ventilation g Systems		er of Water g Systems
3 Bedroom - Riv	erside ADU	1200	1	3		1			0		1

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

Schema Version: rev 20220901

HERS Provider: CalCERTS inc.

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

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

Registration Date/Time: 2024-04-08 12:12:04

Schema Version: rev 20220901

CA Building Energy Efficiency Standards - 2022 Residential Compliance

Report Version: 2022.0.000

HERS Provider: CalCERTS inc.

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

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

umber: 224-P010043434A-000-000-0000000-0000

alysis

Input File Name: 3 Bedroom - Riverside.ribd22x GENERAL INFORMATION Project Name 3 Bedroom - Riverside ADU Run Title Title 24 Analysis Project Location City Riverside 05 Standards Version 2022 Software Version EnergyPro 9.2 07 09 Zip code Climate Zone 10 Front Orientation (deg/ Cardinal) All orientations 11 Building Type Single family Number of Dwelling Units 13

15

17

19

 Fuel Type
 Natural gas
 23
 No Dwelling Unit:
 No

02 This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.

03

04

06

12

14

16

18

20

22

COMPLIANCE RESULTS

Project Scope Newly Constructed

ADU Bedroom Count n/a

- H 5 R S

Standard Design TDV Energy

(EDR2) (kTDV/ft² -yr)

7.18

26.69

4.4

20.41

Addition Cond. Floor Area (ft²) 0

01 Building Complies with Computer Performance

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

Project Name: 3 Bedroom - Riverside ADU

Calculation Description: Title 24 Analysis

ENERGY USE SUMMARY

Energy Use

Space Heating

Space Cooling

IAQ Ventilation

Water Heating

Self

Jtilization/Flexibility

Credit

South Facing

CA Building Energy Efficiency Standards - 2022 Residential Compliance

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Standard Design Source

Energy (EDR1) (kBtu/ft² -yr)

1.57

1.21

0.42

2.01

Existing Cond. Floor Area (ft²) n/a

Total Cond. Floor Area (ft²) 1200

03 This building incorporates one or more Special Features shown below

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Calculation Description: Title 24 Analysis

Project Name: 3 Bedroom - Riverside ADU

Calculation Date/Time: 2024-04-08T12:01:25-07:00

Number of Bedrooms

Fenestration Average U-factor 0.3

ADU Conditioned Floor Area n/a

Registration Date/Time: 2024-04-08 12:12:04

Calculation Date/Time: 2024-04-08T12:01:25-07:00

Input File Name: 3 Bedroom - Riverside.ribd22x

Report Version: 2022.0.000

Schema Version: rev 20220901

Proposed Design Source

Energy (EDR1) (kBtu/ft² -yr)

1.58

0.91

0.42

1.2

Number of Stories

Glazing Percentage (%) 16.73%

HERS Provider: CalCERTS inc.

Proposed Design TDV Energy Compliance

(EDR2) (kTDV/ft² -yr)

11.34

22.93

4.4

13.54

0

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

CF1R-PRF-01-E

(Page 4 of 13)

Compliance

-4.16

3.76

0

6.87

0

Margin (EDR1) Margin (EDR2)

-0.01

0.3

0

0.81

CF1R-PRF-01-E (Page 1 of 13)

CERTIFICATE OF COMPLIANCE - RESIL
Project Name: 3 Bedroom - Riverside
Calculation Description: Title 24 Anal
ENERGY DESIGN RATINGS
Standard Design
North Facing
East Facing
South Facing
West Facing
¹ Efficiency EDR includes improvements li ² Total EDR includes efficiency and dema ³ Building complies when source energy,
Standard Design PV Capacity: 2.44 Proposed PV Capacity Scaling: North

	5.21	58.68	4.11 52.21		1.1	1.1 6.47	
Total			/PPr				
Space Heating	1.57	7,18		1.69	12.05	-0.1	2 -4.87
Space Cooling	1.21	26.69	RS P	R 199 VI	D E R ^{24.5}	0.22	2 2.19
IAQ Ventilation	0.42	4.4		0.42	4.4	0	0
Water Heating	2.01	20.41		1.2	13.54	0.8:	1 6.87
Self Utilization/Flexibility Credit					0		0
West Facing Efficiency Compliance Total	5.21	58.68		4.3	54.49	0.9:	1 4.19
CA Building Energy Effici	iency Standards - 2022 Re	sidential Compliance	- Report Ve	on Date/Time: 202 rsion: 2022.0.000 ersion: rev 20220901	4-04-08 12:12:04		CalCERTS inc. 2024-04-08 12:03:10
CERTIFICATE OF COMP	PLIANCE - RESIDENTIAL	sidential Compliance PERFORMANCE COMPLIAN	Report Ve Schema Ve	rsion: 2022.0.000 ersion: rev 20220901		Report Generated: 2	2024-04-08 12:03:10 CF1R-PRF-C
ERTIFICATE OF COMP	PLIANCE - RESIDENTIAL		Report Ve Schema V ICE METHOD	rsion: 2022.0.000 ersion: rev 20220901 Calculation Date/Tir	ne: 2024-04-08T12:12:04 ne: 2024-04-08T12:1	Report Generated: 2	2024-04-08 12:03:10
ERTIFICATE OF COMP	PLIANCE - RESIDENTIAL		Report Ve Schema V ICE METHOD	rsion: 2022.0.000 ersion: rev 20220901 Calculation Date/Tir	ne: 2024-04-08T12:	Report Generated: 2	2024-04-08 12:03:10 CF1R-PRF-C
ERTIFICATE OF COMP roject Name: 3 Bedro alculation Description	PLIANCE - RESIDENTIAL		Report Ve Schema V ICE METHOD	rsion: 2022.0.000 ersion: rev 20220901 Calculation Date/Tir	ne: 2024-04-08T12:	Report Generated: 2	2024-04-08 12:03:10 CF1R-PRF-C
ERTIFICATE OF COMP roject Name: 3 Bedro alculation Description	PLIANCE - RESIDENTIAL bom - Riverside ADU n: Title 24 Analysis	PERFORMANCE COMPLIAN	Report Ve Schema V ICE METHOD C	rsion: 2022.0.000 ersion: rev 20220901 Calculation Date/Tir nput File Name: 3 B	ne: 2024-04-08T12: edroom - Riverside. 05	Report Generated: : 01:25-07:00 ribd22x	2024-04-08 12:03:10 CF1R-PRF-C (Page 7 of
ERTIFICATE OF COMP roject Name: 3 Bedro alculation Description ONE INFORMATION 01	PLIANCE - RESIDENTIAL bom - Riverside ADU n: Title 24 Analysis 02	PERFORMANCE COMPLIAN	Report Ve Schema V ICE METHOD I I I 04	rsion: 2022.0.000 ersion: rev 20220901 Calculation Date/Tir nput File Name: 3 B	ne: 2024-04-08T12: edroom - Riverside. 05	Report Generated: : 01:25-07:00 ribd22x 06	2024-04-08 12:03:10 CF1R-PRF-0 (Page 7 of 07
ERTIFICATE OF COMP roject Name: 3 Bedro alculation Description ONE INFORMATION 01 Zone Name ADU	PLIANCE - RESIDENTIAL bom - Riverside ADU n: Title 24 Analysis 02 Zone Type	PERFORMANCE COMPLIAN	Report Ve Schema V ICE METHOD C II 04 Zone Floor A	rsion: 2022.0.000 ersion: rev 20220901 Calculation Date/Tir nput File Name: 3 B	ne: 2024-04-08T12: edroom - Riverside. 05 Ceiling Height V	Report Generated: : 01:25-07:00 ribd22x 06 /ater Heating System 1	2024-04-08 12:03:10 CF1R-PRF-C (Page 7 of 07 Status
EERTIFICATE OF COMP Project Name: 3 Bedro Calculation Description CONE INFORMATION 01 Zone Name	PLIANCE - RESIDENTIAL bom - Riverside ADU n: Title 24 Analysis 02 Zone Type	PERFORMANCE COMPLIAN	Report Ve Schema V ICE METHOD C II 04 Zone Floor A	rsion: 2022.0.000 ersion: rev 20220901 Calculation Date/Tir nput File Name: 3 B	ne: 2024-04-08T12: edroom - Riverside. 05 Ceiling Height V	Report Generated: : 01:25-07:00 ribd22x 06 /ater Heating System 1	2024-04-08 12:03:10 CF1R-PRF-C (Page 7 of 07 Status

OPAQUE SURFACI	ES												
01		02	0	3		04		05		06	07	,	08
Name		Zone	Constr	uction	Az	imuth	0	rientation		Gross Area (ft ²)	Window a Area		Tilt (deg)
Front Wall		ADU	R-19	Wall		0		Front		304	61.3	25	90
Right Wall		ADU	R-19	Wall		270		Right		322	32	2	90
Back Wall		ADU /	R-19	Wall		180		Back		304	92	2	90
Left Wall		ADU	R-19	Wall		90	~	Left		322	30.	9	90
OPAQUE SURFAC	ES - CATHEDRA			Ca	TC			ES)	nc			
01	02	03	04		05	0	6	07		08	09	10	11
Name	Zone	Construction	Azimut	h Orie	entation	Area	(ft ²)	Skyligh (ft [:]		Roof Rise (x in 12)	Roof Reflectance	Roof Emittance	e Cool Roof
Roof	ADU	R-30 Roof No Attic	0	F	ront	12	00	0		4	0.1	0.85	No
FENESTRATION /	GLAZING												
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Туре	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft ²)	U-fac	tor U-factor Source	SHGC	SHGC Source	Exterior Shading
Window B	Window	Front Wall	Front	0			1	5	0.3	3 NFRC	0.23	NFRC	Bug Screen
Window B 2	Window	Front Wall	Front	0			1	5	0.3	3 NFRC	0.23	NFRC	Bug Screen
Glass Door 1	Window	Front Wall	Front	0			1	20	0.3	3 NFRC	0.23	NFRC	Bug Screen

Gross EUI ¹ Net EUI ² Facing Gross EUI ¹ Net EUI ² Gross EUI ¹ Inter EUI ² Gross EUI is Energy Use Total (not including)			Net EUI ²
Net EUI ² Facing Gross EUI ¹ Net EUI ² iross EUI is Energy Use Total (not incleitet EUI is Energy Use Total (including)			South Facing
Facing Gross EUI ¹ Net EUI ² Fross EUI is Energy Use Total (not including	7		Gross EUI ¹
Gross EUI ¹ Net EUI ² iross EUI is Energy Use Total (not incl let EUI is Energy Use Total (including	Ĺ		Net EUI ²
Net EUI ² iross EUI is Energy Use Total (not incl let EUI is Energy Use Total (including	/		West Facing
iross EUI is Energy Use Total (not incl let EUI is Energy Use Total (including			Gross EUI ¹
iross EUI is Energy Use Total (not incl let EUI is Energy Use Total (including			Net EUI ²
ration Number: 224-P010043434A-			
	4A-0	224-P0100434	Registration Number:

CA Building Energy Efficiency Standards - 2022 Residential Compliance Project Name: 3 Bedroom - Riverside ADU Calculation Description: Title 24 Analysis

,	GLAZING	
01	02	03
Name	Туре	Surface
Window B 3	Window	Front Wall
Window A	Window	Front Wall
Window A 2	Window	Front Wall
Window A 3	Window	Front Wall
Window D	Window	Right Wall
Window D 2	Window	Right Wall
Window C	Window	Right Wall
Window D 3	Window	Right Wall
Window D 4	Window	Right Wall
Window D 5	Window	Right Wall
Window A 4	Window	Back Wall
Window A 5	Window	Back Wall
Window A 6	Window	Back Wall
French Door 6	Window	Back Wall
Window A 7	Window	Back Wall
Window A 8	Window	Back Wall
Window A 9	Window	Back Wall
Window D 6	Window	Left Wall

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD e ADU

Calculation Date/Time: 2024-04-08T12:01:25-07:00 Input File Name: 3 Bedroom - Riverside.ribd22x

CF1R-PRF-01-E (Page 2 of 13)

		Energy Design Ratings		Compliance Margins									
	Source Energy (EDR1)			Source Energy (EDR1)	Efficiency ¹ EDR (EDR2efficiency)	Total ² EDR (EDR2total)							
	37.6	40.2	29.6		· · · · ·								
Proposed Design													
	34.7	35.8	27.3	2.9	4.4	2.3							
1	35	38.2	28.5	2.6	2	1.1							
11	34.4	35.7	27.3	3.2	4.5	2.3							
	35	37.3	28.1	2.6	2.9	1.5							
	600	RESULT	3: PASS	Inc	`								
a better building envelope and more efficient equipment esponse measures such as photovoltaic (PV) system and batteries													

Proposed PV Capacity Scaling: North (2.44 kWdc) East (2.44 kWdc) South (2.44 kWdc) West (2.44 kWdc)

Registration Number: 224-P0100434	34A-000-000-000000-0000	Registration Date/Time:	2024-04-08 12:12:04 HE	RS Provider: CalCERTS inc.							
CA Building Energy Efficiency Standard	s - 2022 Residential Compliance	Report Version: 2022.0.000 Schema Version: rev 202209		Report Generated: 2024-04-08 12:03:10							
CERTIFICATE OF COMPLIANCE - RES			/Time, 2024 04 08712:01:25 0	CF1R-PRF-01-E							
Project Name: 3 Bedroom - Riversic Calculation Description: Title 24 An			/Time: 2024-04-08T12:01:25-07 3 Bedroom - Riverside.ribd22x	7:00 (Page 5 of 13)							
Calculation Description: The 24 An	aiysis	input rile Name:	5 Bedroom - Riverside.hbd22x								
ENERGY USE INTENSITY											
	Standard Design (kBtu/ft ² - yr)	Proposed Design (kBtu/ft ² - yr)	Compliance Margin (kBtu/ft ² - y	r) Margin Percentage							
North Facing			· · · · · · · · · · · · · · · · · · ·								
Gross EUI ¹	19.72	17.96	1.76	8.92							
Net EUI ²	7.91	6.14	1.77	22.38							
East Facing											
Gross EUI ¹	19.72	18.3	1.42	7.2							

Gross EUI ¹	19.72	17.92	1.8	9.13
Net EUI ²	7.91		1.810	22.88
		KA PKUV	IVER	
Gross EUI ¹	19.72	18.16	1.56	7.91
Net EUI ²	7.91	6.34	1.57	19.85
	t including PV) / Total Building Area. Iding PV) / Total Building Area.			

Registration Date/Time: 2024-04-08 12:12:04

Report Version: 2022.0.000 Schema Version: rev 20220901 HERS Provider: CalCERTS inc. Report Generated: 2024-04-08 12:03:10

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

AL	L PERFORMANCE COMPLIANCE METHOD C Calculation Date/Time: 2024-04-08T12:01:25-07:00													
							: 3 Bedroom				(Page 8 of 13)			
					mparm		····		DULLA					
	04	05	06	07	08	09	10	11	12	13	14			
	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft ²)	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading			
	Front	0			1	5	0.3	NFRC	0.23	NFRC	Bug Screen			
	Front	0			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			
	Front	0			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			
ſ	Front	0			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			
ί,	Right	270			1	5.5	0.3	NFRC	0.23	NFRC	Bug Screen			
1	Right	270			1	5.5	0.3	NFRC	0.23	NFRC	Bug Screen			
,	Right	270			1	4.5	0.3	NFRC	0.23	NFRC	Bug Screen			
	Right	270			Ľ4	5.5	0.3	NFRC	0.23	NFRC	Bug Screen			
	Right	270) 			5.5	0.3	NFRC	0.23	NFRC	Bug Screen			
	Right	270		8	1	5.5	0.3	NFRC	0.23	NFRC	Bug Screen			
	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			
	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			
	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			
	Back	180			1	39.5	0.3	NFRC	0.23	NFRC	Bug Screen			
	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			
	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			
	Back	180			1	8.75	0.3	NFRC	0.23	NFRC	Bug Screen			

0.3

NFRC

Left

90

Registration Date/Time: 2024-04-08 12:12:04

1 5.5

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

0.23

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

NFRC

Bug Screen

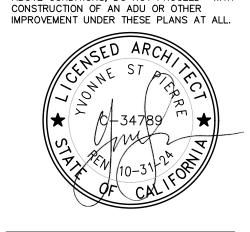
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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

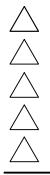
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project

City of Riverside Pre-Approved ADU Program

revisions



description

Energy Calculations

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no. 🗖	
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CERTIFICATE OF	COMPLIA	NCE - RESIDENTIAI	PERFORMAN	CE COMP	PLIANCE ME	THOD								CF1R-PRF-01-
Project Name: 3	Bedroom	- Riverside ADU					Calcula	tion Date/	Time:	2024-04-08T12	2:01:25-07	:00		(Page 9 of 1
Calculation Des	cription: Ti	itle 24 Analysis					Input F	ile Name:	3 Bedr	room - Riverside	e.ribd22x			
FENESTRATION /	GLAZING													
01	02	03	04	05	06	07	08	09	10) 11	12	13		14
Name	Туре	Surface	Orientation	Azimut	h Width (ft)	Height (ft)	Mult.	Area (ft ²)	U-fac	tor U-factor Source	1 540	SC SHGC So	ource	Exterior Shadin
Window D 7	Window	Left Wall	Left	90			1	5.5	0.3	3 NFRC	0.2	3 NFR	C	Bug Screen
Window C 2	Window	Left Wall	Left 90				1	4.5	0.3	3 NFRC	0.2	3 NFR	C	Bug Screen
OPAQUE DOORS														
	01		<u>II.</u>	02		03					04			
	Name	ľ		Side of Bu	ilding		Area (ft ²)					U-	factor	
	Door	1	$\langle \langle \rangle$	Left W	all				15.4	ļ			0.5	
SLAB FLOORS														
				ê.) Heref			Ť				—	
01		02	03		04		$\leq \langle \ \ \rangle$	05		06	_	07	_	08
Name		Zone	Area (ft ²)		Perimeter	r (ft)		nsul. R-valund Depth	Je	Edge Insul. R-va and Depth	lue Ca	rpeted Fraction		Heated
Slab-on-Grad	e	ADU	1200		145			none		0		80%		No
OPAQUE SURFAC	E CONSTRU	CTIONS												
01		02	03			04		05		06	07		08	
Construction Name Surface Type		Surface Type	Construction	n Type	Framing			Total Cavi R-value	ty	terior / Exterior Continuous R-value	U-factor	Assembly Layers		Layers
R-19 Wall	1	Exterior Walls	Wood Frame	Wood Framed Wall 2)		2x6 @ 16 in. O. C.		R-19		None / None 0.0		Inside Finish: Gy Cavity / Frame: R-19 ir 2x6 Exterior Finish: 3		n 5-1/2 in. (R-18)

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

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

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

CERTIFICATE OF CO	MPLIANCE - F	RESIDENTIAL PE	RFORMAN	CE COMPLIANCE M	ETHOD							CF1R-PRF-01-E
Project Name: 3 Be	edroom - River	side ADU			Calculation Date/Time: 2024-04-08T12:01:25-07:00							
Calculation Descrip	otion: Title 24	Analysis			Input File Name: 3 Bedroom - Riverside.ribd22x							
VARIABLE CAPACITY	HEAT PUMP CO	MPLIANCE OPTI	ON - HERS VI	ERIFICATION								i
01		02	03	04	05	06		07	08	1	09	10
Name	Name Certified Airflow to Low-Static Habitable VCHP System Rooms		e in Conditioned	Wall Mount Thermostat	Air Filter Sizing & Pressure Drop Rating	Du Cone	Leakage ucts in ditioned ipace	Airflow per		Certified non-continuo Fan	Indoor Fan not Running Continuously	
Heat Pump Sy	stem 1	tem 1 Not required R		d Required	Required	Not required	Not	required	Not required		Not require	Not required
INDOOR AIR QUALIT	Y (IAQ) FANS 02		03	04	05	06		07	·		08	09
Dwelling Unit	ing Unit Airflow (CFM)		IAQ Fan Type	Includes Heat/Energy	IAQ Recover	includes		Fault	HERS	Verification	Status	

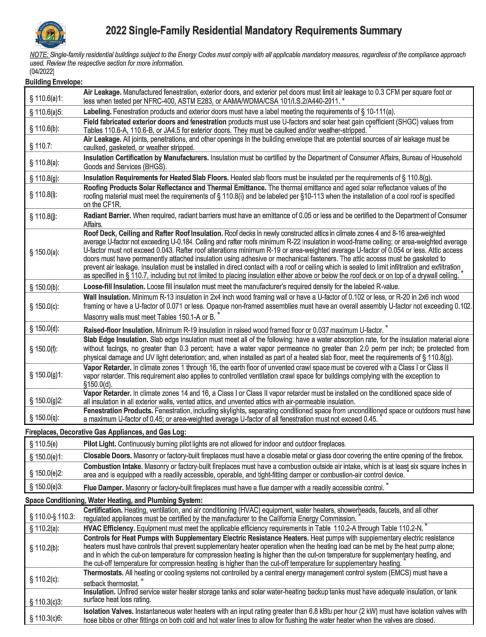
Dwening onit		(W/CFM)		Recovery?	SRE/ASRE	Indicator Display?		
SFam IAQVentRpt	65	0.35	Exhaust		n/a / n/a	No	Yes	
		11/6 1						
PROJECT NOTES					2n			
								_

Energy Pro uses ASHRAE method for HVAC sizing.

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

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

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



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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD	
Project Name: 3 Bedroom - Riverside ADU	Calculation Date/Time: 2024-04-08T12:01:25-07:00
Calculation Description: Title 24 Analysis	Input File Name: 3 Bedroom - Riverside.ribd22x
OPAQUE SUBFACE CONSTRUCTIONS	

CF1R-PRF-01-E (Page 10 of 13)

Calculation Descript	ion: Title 24 An	alysis					Input File	e Name: :	Bedroor	n - Riverside	ribd22	X		
OPAQUE SURFACE CO	NSTRUCTIONS													
01	0	2	03			04		05		06	07		08	
Construction Name	e Surface	Туре	Constructio	on Type	F	raming	1	Fotal Cavit R-value	y Cor	r / Exterior tinuous -value	U-facto	r Asser	nbly Layers	
R-30 Roof No Attic	: Cathedra	Ceilings		Wood Framed Ceiling		፬ 24 in. O. (с.	R-30	None / None		0.033	Tile G Roof I Siding/she Cavity / Fra	Roofing: 10 PSF (RoofTileAirGap) Tile Gap: present Roof Deck: Wood Siding/sheathing/decking Cavity / Frame: R-30 / 2x12 Inside Finish: Gypsum Board	
BUILDING ENVELOPE	- HERS VERIFICAT													
01 02					03					04			05	
Quality Insulation Installation (QII) High R-value			alue Spray Foar	m Insulation Building Envelope Air			pe Air Lea	Leakage CFM50				CFM50		
Require	d		Not Required		$\mathbf{h}_{\mathcal{C}}$	⊇N,	/A			n/a	n/a n/a			
		11/		22	Y II L		$ \leq 1 $					•		
WATER HEATING SYST	EMS		14/	SG.				\geq	/ UU)			
01	02		03		4 R 9	5 P	5 R C	\mathbb{P} \mathbb{V}	06 D	E R o	7	08	09	
Name	System Type	Dist	ribution Type	Water Hea	iter Name	Number	of Units		Heating stem	Com Distrik		HERS Verification	Water Heater Name (#)	
DHW Sys 1	Domestic Hot Water (DHW)		Standard	DHW H	eater 1	1	L		n/a	No	ne	n/a	DHW Heater 1 (1)	
WATER HEATERS - NEI	A HEAT PUMP													
01	02		03		04			05		06		07	08	
Name	# of Uni	ts	Tank Vol. (gal)	NEEA Hea Bran			leat Pump Iodel	' T	ank Location	D	uct Inlet Air Source	Duct Outlet Air Source	
DHW Heater 1	1		50		Rhee	m)HS45U0 (5 , JA13)	(50 Outside			ADU	ADU	

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

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD	CF1R-PRF-01-E
Project Name: 3 Bedroom - Riverside ADU	Calculation Date/Time: 2024-04-08T12:01:25-07:00 (Page 13 of 13)
Calculation Description: Title 24 Analysis	Input File Name: 3 Bedroom - Riverside.ribd22x
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name:	Documentation Author Signature:
Yvonne St Pierre	Gronne St Pierre
Company:	Signature Date:
Design Path Studio	2024-04-08 12:12:04
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	
	Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The are consistent with the information provided on other applicable compliance documents, worksheets,
Responsible Designer Name: Yvonne St Pierre	Responsible Designer Signature: <i>Young St Pierre</i>
Company: Design Path Studio	Date Signed: 2024-04-08 12:12:04
Address: PO Box 230165	License: C 34789
City/State/Zip: Encinitas, CA 92023	Phone: 619-292-8807

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

Report Version: 2022.0.000 Schema Version: rev 20220901

Registration Date/Time: 2024-04-08 12:12:04

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

	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 Manual; 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 dryer.
§ 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-crushable casing or sleeve.
§ 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.
Ducts 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 conditione agrace 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 fastened. 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 carvas, 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 feel 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 150.0-4. Clean-filter pressure drop and labeling must meet the requirements in §150.0(m)12. Filters must be accessible for regular service. Filter racks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to and prevents air from bypassing the

CERTIFICATE OF CO	MPLL	ANCE - RESIDI	INT
Project Name: 3 Be	edroor	n - Riverside A	DU
Calculation Descrip	otion:	Title 24 Analy	sis
WATER HEATING - HI	ERS VE	RIFICATION	
01		02	
Name		Pipe Insu	ılati
DHW Sys 1 - 1/1	L	Not Rec	uire
SPACE CONDITIONIN	C SVS	EME	
			_
01		02	
Name	S	/stem Type	He
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Registration Number: 224-P010043434A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

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Calculation Date/Time: 2024-04-08T12:01:25-07:00

CF1R-PRF-01-E (Page 11 of 13)

02			03		04				05		1	06		07		
Insu	lation	Pa	rallel P	iping		Comp	act Distrib	ution	Co	mpact Dist Type	ribution	Recircula	tion Control	Shower Drain Water H		
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Input File Name: 3 Bedroom - Riverside.ribd22x

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

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

RESI	DENTIAL N	IEASURES S	UMMARY				RMS-1
Project N	ame		Building Type		nily D Addition Alone		Date
B Bedro Project A	oom - Riverside	ADU	Outformin Fra	Multi Fami	, ,		4/8/2024
Rive				ergy Climate Zone ate Zone 10	Total Cond. Floor Are 1.200	a Addition	# of Units
-	ATION		0.10	Area	.)====		
	truction Typ	e	Cavity		pecial Feature	s	Status
Vall	Wood Framed		R 19	1,036			New
Door	Opaque Door		- no insulation	15			New
Roof	Wood Framed Ra	fter	R 30	1,200			New
Slab	Unheated Slab-or	-Grade	- no insulation	1,200 Perim	= 145'		New
	STRATION		201		10 704		
	STRATION tation Area	ft ²) U-Fac S	201 Glazing SHGC Overl	Percentage:		verage U-Factor:	0.30 Status
Front (N)		1.3 0.300	0.23 none	none	N/A	Silaues	New
Right (W)		2.0 0.300	0.23 none	none	N/A		New
lear (S)		2.0 0.300	0.23 none	none	N/A		New
eft (E)		5.5 0.300	0.23 none	none	N/A		New
-IVAC Qty.	SYSTEMS Heating	Min. Ef	f Cooling	Mi	n. Eff Tr	nermostat	Status
1	Electric Heat Pump	8.20 HSPF	Split Heat Pu	mp 14.0	SEER Setb	ack	New
_ocat		Heating	Cooling	Duct Loc	ation	Duct R-Value	Status
Aini Split		Ductless / with Fan	Ductless	n/a		n/a	New
WATE Qty.	R HEATING Type	Gal	lons Min.	Eff Distr	ibution		Status
1	Heat Pump	50	3.20	Standa			New

	2022 Single-Family Residential Mandatory Requirements Summary
150.0(m)13:	Space Conditioning System Airflow Rate and Fan Efficacy. Space conditioning systems that use ducts to supply cooling must have a hole for the placement of a static pressure probe, or a permanently installed static pressure probe in the supply plenum. Airflow must be ≥ 350 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy ≤ 0.45 watts per CFM for gas furnace air handlers and ≤ 0.58 watts per CFM for all others. Small duct high velocity systems must provide an airflow ≥ 250 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy ≤ 0.62 watts per CFM. Field verification testing is required in accordance with Reference Residential Appendix RA3.3.*
tilation and In	door Air Quality:
50.0(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.*
50.0(o)1B:	Central Fan Integrated (CFI) Ventilation Systems. Continuous operation of CFI air handlers is not allowed to provide the whole- dwelling unit ventilation airlfow required per §150.0(o)1C. A motorized damper(s) must be installed on the ventilation duct(s) that prevents all airflow through the space conditioning duct system when the damper(s) is closed andcontrolled per §150.0(o)1Bili&iv. CFI ventilation systems must have controls that track outdoor air ventilation run time, and either open or close the motorized damper(s) for compliance with §150.0(o)1C.
50.0(o)1C:	Whole-Dwelling Unit Mechanical Ventilation for Single-Family Detached and townhouses. Single-family detached dwelling units, and attached dwelling units not sharing ceilings or floors with other dwelling units, occupiable spaces, public garages, or commercial spaces must have mechanical ventilation airflow specified in § 150.0(o)1CI-iii.
50.0(o)1G:	Local Mechanical Exhaust. Kitchens and bathrooms must have local mechanical exhaust; nonenclosed kitchens must have demand- controlled exhaust system meeting requirements of §150.0(o)1Giii,enclosed kitchens and bathrooms can use demand-controlled or continuous exhaust meeting §150.0(o)1Giii-iv. Airflow must be measured by the installer per §150.0(o)1Gv, and rated for sound per §150.0(o)1Gvi. *
50.0(o)1H&I:	Airflow Measurement and Sound Ratings of Whole-Dwelling Unit Ventilation Systems. The airflow required per § 150.0(o)1C must be measured by using a flow hood, flow grid, or other airflow measuring device at the fan's inlet or outlet terminals/grilles per Reference Residential Appendix RA3.7. Whole-Dwelling unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less than the minimum airflow rate required by §150.0(o)1C.
50.0(o)2:	Field Verification and Diagnostic Testing. Whole-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating, and HRV and ERV fan efficacy must be verified in accordance with Reference Residential Appendix RA3.7. Vented range hoods must be verified per Reference Residential Appendix RA3.7.4.3 to confirm if it is rated by HVI or AHAM to comply with the airflow rates and sound requirements per §150.0/01G
l and Spa Sys	tems and Equipment:
10.4(a):	Certification by Manufacturers. Any pool or spa heating system or equipment must be certified to have all of the following: compliance with the Appliance Efficiency Regulations and listing in MAEDbS; an on-off switch mounted outside of the heater that allows shutting off the heater without adjusting the thermostat setting; a permanent weatherproof plate or card with operating instructions; and must not use electric resistance heating.*
10.4(b)1:	Piping. Any pool or spa heating system or equipment must be installed with at least 36 inches of pipe between the filter and the heater, or dedicated suction and return lines, or built-in or built-up connections to allow for future solar heating.
10.4(b)2:	Covers. Outdoor pools or spas that have a heat pump or gas heater must have a cover. Directional Inlets and Time Switches for Pools. Pools must have directional inlets that adequately mix the pool water, and a time
10.4(b)3:	switch that will allow all pumps to be set or programmed to run only during off-peak electric demand periods.
10.5: 50.0(p):	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
	sizing, flow rate, piping, filters, and valves.
nting:	Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable
10.9:	requirements of § 110.9. *
50.0(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 mirors, and garage door openers; navigation lighting less than 5 watts; and lighting internal to drawers, cabinets, and linen closets with an efficacy of at least 45 lumens per watt.
0.0(k)1B:	Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8. *
50.0(k)1C:	Recessed Downlight Luminaires in Ceilings. Luminaires recessed into ceilings must not contain screw based sockets, must be airtight, and must be sealed with a gasket or caulk. California Electrical Code § 410.116 must also be met.
50.0(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.
50.0(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.
50.0(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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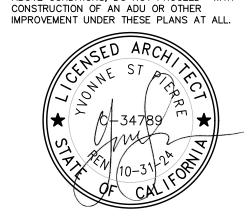
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 \square BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE 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

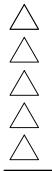


ABOVE CONDITIONS, DO NOT PROCEED WITH

project

City of Riverside Pre-Approved ADU Program

revisions



description

Energy Calculations

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

January P.	
§ 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 required 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 or 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 installer 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, accupancy, and control requirements if it provides the functionality of the specified control per § 110.9 and the physical controls specified in § 150.0(k)2A.
§ 150.0(k)2E:	Automatic Shutoff Controls. In bathrooms, garages, laundry rooms, utility rooms and walk-in-closets, at least one installed luminaire must be controlled by an occupancy or vacancy sensor providing automatic-off functionality. Lighting inside drawers and cabinets with opaque fronts or doors must have controls that turn the light off when the drawer or door is closed.
§ 150.0(k)2F:	Dimmers. Lighting in habitable spaces (e.g., living rooms, dining rooms, kitchens, and bedrooms) must have readily accessible wall- mounted dimming controls that allow the lighting to be manually adjusted up and down. Forward phase cut dimmers controlling LED ligt 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, or other buildings on the same lot, must have a manual on/off switch and either a photocell and motion sensor or automatic time switch control) or an astronomical time clock. An energy management control system that provides the specified control functionality and meet applicable requirements may be used to meet these requirements.
§ 150.0(k)4:	Internally illuminated address signs. Internally illuminated address signs must either comply with § 140.8 or consume no more than 5 watts of power.
§ 150.0(k)5:	Residential Garages for Eight or More Vehicles. Lighting for residential parking garages for eight or more vehicles must comply with t applicable requirements for nonresidential garages in §§ 110.9, 130.0, 130.1, 130.4, 140.6, and 141.0.
olar Readiness:	
§ 110.10(a)1:	Single-family Residences. Single-family residences located in subdivisions with 10 or more single-family residences and where the application for a tentative subdivision map for the residences has been deemed complete and approved by the enforcement agency, which do not have a photovoltaic system installed, must comply with the requirements of § 110.10(b)-(a).
§110.10(b)1A:	Minimum Solar Zone Area. The solar zone must have a minimum total area as described below. The solar zone must comply with access, pathway, smoke ventilation, and spacing requirements as specified in Title 24, Part 9 or other parts of Title 24 or in any requirements adopted by a local jurisdiction. The solar zone total area must be comprised of areas that have no dimension less than 5 feet and are no less than 80 square feet each for buildings with roof areas less than or equal to 10,000 square feet or no less than 160 square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be located on the roof or overhang of the building and have a total area no less than 250 square feet. *
§ 110.10(b)2:	Azimuth. All sections of the solar zone located on steep-sloped roofs must have an azimuth between 90-300° of true north.
§ 110.10(b)3A:	Shading. The solar zone must not contain any obstructions, including but not limited to: vents, chimneys, architectural features, and root mounted equipment.
§ 110.10(b)3B:	Shading. Any obstruction located on the roof or any other part of the building that projects above a solar zone must be located at least twice the horizontal distance of the height difference between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone, measured in the vertical plane. ⁺
§ 110.10(b)4:	Structural Design Loads on Construction Documents. For areas of the roof designated as a solar zone, the structural design loads for roof dead load and roof live load must be clearly indicated on the construction documents.
§ 110.10(c):	Interconnection Pathways. The construction documents must indicate: a location reserved for inverters and metering equipment and a pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service; and for single-family residences and central water-heating systems, a pathway reserved for routing plumbing from the solar zone to the water-heating system. Documentation. A copy of the construction documents or a comparable document indicating the information from § 110.10(b)-(c) must I
§ 110.10(d):	provided to the occupant.
§ 110.10(e)1:	Main Electrical Service Panel. The main electrical service panel must have a minimum busbar rating of 200 amps.
§ 110.10(e)2:	Main Electrical Service Panel. The main electrical service panel must have a reserved space to allow for the installation of a double po circuit breaker for a future solar electric installation. The reserved space must be permanently marked as "For Future Solar Electric."

5/6/22

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

*Exceptions may apply.

Mini Split 1,200 ENGINEERING CHECKS SYSTEM LOAD Number of Systems 1 Heating System 36,000 Output per System 36,000 Output (Btuh/sqft) 30.0 Cooling System 0 Output (Btuh/sqft) 30.0 Cooling System 0 Output (Btuh/sqft) 30.0 Total Output (Sqft/Ton) 400.0 HVAC EQUIPMENT SELECTION	Project Name B Bedroom - Riverside Al System Name	JU					Floor	
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Airflow (cfm) 300 Minisplit 32,501 0 23,11 Airflow (cfm/sqft) 0.25 0 23,11 Airflow (cfm/Ton) 100.0 0 0 Outside Air (%) 0.0% 0.0% 0.00% 0.00% Outside Air (%) 0.00% Total Adjusted System Output 32,501 0 Note: values above given at ARI conditions TIME OF SYSTEM PEAK Aug 3 PM Jan 1 A HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak) 27 °F 68 °F 68 °F 105 °F Outside Air of maximum and theating Coll 105 °F 105 °F 105 °F 105 °F		300	HVAC FOUIPMENT SELECTION					
Airflow (cfm/sqft) 0.25 Airflow (cfm/sqft) 0.06 Outside Air (%) 0.0% Outside Air (%) 0.00 Note: values above given at ARI conditions Note: values above given at ARI conditions TIME OF SYSTEM PEAK Aug 3 PM Jan 1 A HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak) 27 °F 68 °F 68 °F 105 °F Outside Air 0 cfm Supply Fan Heating Coll 105 °F ROOM		300			32,501	0		23.1
Airflow (cfm/Ton) 100.0 Outside Air (%) 0.0% Outside Air (%) 0.0% Outside Air (%) 0.0% Outside Air (%) 0.0% Airflow (cfm/Ton) 0.00 Note: values above given at ARI conditions TIME OF SYSTEM PEAK Aug 3 PM Jan 1A HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak) 27 °F 68 °F 105 °F Outside Air Supply Fan Heating Coil 300 cfm 105 °F						-	-	
Outside Air (%) 0.0% Total Adjusted System Output (Adjusted for Peak Design conditions) 32,501 23,1 Outside Air (¢fm/sqft) 0.00 Total Adjusted System Output (Adjusted for Peak Design conditions) 32,501 0 23,1 Note: values above given at ARI conditions TIME OF SYSTEM PEAK Aug 3 PM Jan 1 / Jan 1							F	
Outside Air (cfm/sqft) 0.00 (Adjusted for Peak Design conditions) Note: values above given at ARI conditions TIME OF SYSTEM PEAK Aug 3 PM HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak) 27 °F 68 °F 105 °F Outside Air Outside Air Supply Fan Heating Coll 105 °F Outside Air Supply Fan Heating Coll 105 °F			Total Adjusted System Output		32.501	0		23.1
Outside All (cliniting) TIME OF SYSTEM PEAK Aug 3 PM Jan 1 A Note: values above given at ARI conditions TIME OF SYSTEM PEAK Aug 3 PM Jan 1 A HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak) 27 °F 68 °F 68 °F 105 °F Outside Air 0 cfm Supply Fan Heating Coll 105 °F 105 °F							L	
HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak) 27 °F 68 °F 68 °F 105 °F Outside Air 0 cfm Supply Fan Heating Coll 105 °F ROOM	Outside All (cliffsqit)		TIME OF SYSTEM DEAK			Aug 3 PM		Jan 1 A
	Outside Air 0 cfm Supply Far 300 cfm	Heating	Coil			RC	MO	2

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project

City of Riverside Pre-Approved ADU Program

revisions



description

Energy Calculations

date	October 2023
project no.	Riverside ADU
drawn by	DESIGN PATH STUDIO
sheet no. 🗕	Γ24.3