

# Accessory Dwelling Unit Studio - 499 s.f. Town of Paradise, CA

CONTACT LOCAL UTILITY COMPANIES REGARDING GAS AND ELECTRIC SERVICES TO THIS DETACHED ADU. SEE EXAMPLE SITE PLAN, SHEET AS.2, FOR MORE INFORMATION

	DIRECTORY	VICINITY MAP
x411	SITE PLAN & TITLE SHEET INFORMATION PREPARED BY: COMPANY CONTACT PERSON ADDRESS PHONE EMAIL PROPERTY OWNER: NAME ADDRESS PHONE EMAIL BUILDING DEPARTMENT: COMMUNITY DEVELOPMENT DEPARTMENT, BUILDING RESILIENCY CENTER 6295 SKYWAY PARADISE, CA 95969 P. (530)872–6291 PROJECT DESCRIPTION NEW CONSTRUCTION OF A ONE STORY STUDIO, 1 BATH, DETACHED 499 S.F. ACCESSORY DWELLING UNIT WITH PORCH AREAS USED BELOW: BARN PORCH: 119 S.F. RANCH PORCH: 119 S.F.	
	LEGAL DESCRIPTION	APN

# REQUIRED SUPPLEMENTAL INFORMATION - TO BE COMPLETED BY OWNER

# fire sprinkler information:

- X SELECTION
- EXISTING RESIDENCE CURRENTLY HAS FIRE SPRINKLERS (NFPA 13D)
- EXISTING RESIDENCE DOES NOT CURRENTLY HAVE FIRE SPRINKLERS

NEW ADU IS REQUIRED TO HAVE FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE SPRINKLERS. FIRE DEPARTMENT TO DETERMINE IF FIRE SPRINKLERS ARE OTHERWISE REQUIRED. SEE NOTES ON G0.4

# required w.u.i. details:

- REFER TO W.U.I. CONFORMANCE CHECKLIST ON SHEET G0.4 IN ADDITION TO THE FOLLOWING
- ROOF DETAILS: SHEET A5.2 & SPECIFICATIONS ON SHEET G0.5
- VENTS: ROOF PLANS & SPECIFICATIONS ON SHEET G0.5
- EXTERIOR WALL COVERING: EXTERIOR ELEVATIONS, SHEET A5.1 & SPECS ON SHEET G0.5
- EXTERIOR WINDOWS: SHEET A0.1 WINDOW NOTES #11 & #13
- EXTERIOR DOORS: SHEET A0.1 DOOR NOTES #9 & #10

# septic waste water information:

### X SELECTION

- ADU TO HAVE NEW SEPTIC SYSTEM (SHOW ON SITE PLAN)
- ADU TO CONNECT TO EXISTING SEPTIC SYSTEM (SHOW ON SITE PLAN)
- SEPTIC SYSTEM REQUIRES TOWN OF PARADISE APPROVAL

# electrical service information:

- X SELECTION
- UPGRADED SERVICE

DISTANCE TO CONNECTION

- EXISTING SERVICE TO REMAIN
- NEW SERVICE

SIZE OF EXISTING SERVICE\_\_\_\_\_\_ SIZE OF NEW SERVICE\_

# gas service information:

- X SELECTION
- UPGRADED SERVICE
- EXISTING SERVICE TO REMAIN
- NEW SERVICE

SIZE OF EXISTING SERVICE

SIZE OF NEW SERVICE

# 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 GEOGRAPHICAL ENGINEER'S REPORT.

BY SIGNING BELOW THE APPLICANT AGREES TO THE STATEMENT ABOVE AND WILL COMPLY WITH ALL LOCAL CODE REQUIREMENTS.

SIGNATURE

# WILDLAND URBAN INTERFACE FIRE AREA

THE TOWN OF PARADISE IS LOCATED WITHIN THE WILDLAND-URBAN INTERFACE AREA (AS DEFINED BY 2022 CRC R377.2). ALL CONSTRUCTION IS TO COMPLY WITH THE 2022 CRC SECTION R337. REFER TO WUI CHECKLIST ON SHEET G0.4 FOR FURTHER INFORMATION.

IF APPLICANT DEVIATES FROM PROVIDED CHECKLIST ON GO.4, APPLICANT MUST PROVIDE A COMPLETE CHECKLIST AND RECEIVE APPROVAL FROM BUILDING DEPARTMENT.

# HERS NOTES

1. PROPERLY COMPLETED AND ELECTRONICALLY SIGNED CERTIFICATE OF INSTALLATION (CF2R FORMS) SHALL BE POSTED WEATHER PROTECTED WITHIN BUILDING FOR REVIEW BY INSPECTORS – EES 10–103(a)3, 10–103(b)1.A – BY THE INSTALLING CONTRACTOR AND SUBMITTED TO THE FIELD INSPECTOR DURING CONSTRUCTION AT THE SITE. FOR PROJECTS REQUIRING HERS VERIFICATION, THE CF2R FORMS SHALL BE REGISTERED WITH A CALIFORNIA APPROVED HERS PROVIDER DATA REGISTRY WITH ITS OWN UNIQUE 21 DIGIT REGISTRATION NUMBER LOCATED AT THE BOTTOM OF EACH PAGE. THE FIRST 12 DIGITS WILL MATCH THE REGISTRATION NUMBER ASSOCIATED WITH THE CF1R FORM. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE CF2R FORMS ARE REVIEWED AND APPROVED.

2. PROPERLY COMPLETED & ELECTRONICALLY SIGNED AND REGISTERED CERTIFICATE(S) OF FIELD VERIFICATION AND DIAGNOSTIC TESTING (CF3R) SHALL BE POSTED WEATHER PROTECTED WITHIN THE BUILDING SITE BY A CERTIFIED HERS RATER. A REGISTERED CF3R WILL HAVE A UNIQUE 25 DIGIT REGISTRATION NUMBER LOCATED AT THE BOTTOM OF EACH PAGE. THE FIRST 20 DIGITS OF THE NUMBER WILL MATCH THE REGISTRATION NUMBER ASSOCIATED WITH THE CF2R. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE CF3R IS REVIEWED AND APPROVED. EES 10–103(a)3, 10–103(b)1.A.

3. CF1R REGISTRATION FORMS ARE LOCATED ON THE PLANS. IF REGISTRATION IS REQUIRED, A WATER-MARK AND REGISTRATION NUMBER WILL BE VISIBLE.

4. HERS TESTS REQUIRED FOR THIS PROJECT ARE: QUALITY INSULATION INSTALLATION (QII), INDOOR AIR QUALITY VENTILATION, KITCHEN RANGE HOOD, VERIFIED REFRIGERANT CHARGE, AIRFLOW IN HABITABLE ROOMS (SC3.1.4.1.7), VERIFIED HEAT PUMP RATED HEATING CAPACITY, WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150 FT2 (SC3.4.5), DUCTLESS INDOOR UNITS LOCATED ENTIRELY IN CONDITIONED SPACE (SC3.1.4.1.8) KITCHEN RANGE HOOD CFM VERIFICATION - 160 cfm FOR DWELLING UNITS <750 SQ. FT IAQ MECHANICAL VENTILATION - See new ducting requirements Table 150.0-H

5. FOR IAQ FAN – 30,30,42,44 CFM REQUIRED FOR A CONTINUOUSLY OPERATING EXHAUST FAN. PROVIDE A TIMER SWITCH WITH A MANUAL OFF AND A SOUND RATING OF 1 SONE (3 SONES MAX FOR AN INTERMITTANT FAN). THIS FAN TO PROVIDE A WHOLE BUILDING INDOOR AIR QUALITY VENTILATION WITH OUTDOOR AIR IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADOPTED BY THE CALIFORNIA ENERGY COMMISION.

6. SOLAR IS REQUIRED: Solar exemption cut off is 1.8 kWdc - this is an owner choice. Studio - SOLAR EXEMPTION TAKEN
1 Bedroom A - 1.68 kWdc IS THE MIN PV REQUIRED TO MEET THE STANDARD DESIGN.
1 Bedroom B - SOLAR EXEMPTION TAKEN
2 Bedroom - SOLAR EXEMPTION TAKEN

7. SPECIAL FEATURES: VCHP required items listed above, exposed slab flooring, and NEEA rated heat pump water heater; specific brand/model or eq.

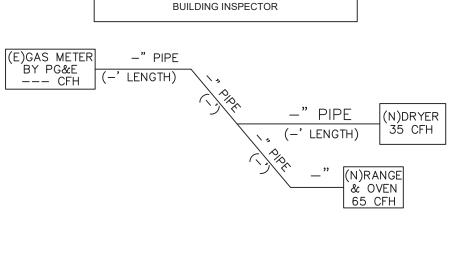
8. NEW 2022 ELECTRIC READY REQUIREMENTS: IF HEAT PUMP WATER HEATER IS NOT INSTALLED, PROVIDE SPACE FOR THIS TYPE OF WATER HEATER. A 240v OUTLET IS REQUIRED FOR WATER HEATER, DRYER, AUTO CHARGING, AND STOVE INCLUDING BREAKER SPACE. ENERGY STORAGE SYSTEM FOR A FUTURE BATTERY SYSTEM (BATTERY READY) IS REQUIRED IF FULL SYSTEM IS NOT INSTALLED.

# GAS PIPE ISOMETRIC DIAGRAM

TO BE UPDATED FOR SITE SPECIFIC CONDITIONS

NOTE: EXISTING GAS SERVICE AND METER SIZE TO BE PROVIDED BY HOMEOWNER AND UPDATED ISOMETRIC LAYOUT PROVIDED BY DESIGNER OF CHOICE. CFH & BTUS PROVIDED AS SUGGESTED LOADS. OWNER/DESIGNER IS TO PROVIDE ACCURATE INFORMATION.

> SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE TOWN OF PARADISE



GAS CALCULATIONS							
APPLIANCE	QTY	CFH	TOTAL CFH				
(NEW) DRYER	1	35	35				
(NEW) OVEN & RANGE	1	65	65				
TOTAL GAS LOAD FOR HOUSEHOLD							
APPLIANCES =		000 B	TU/h				
299	CFH						

 
 PIPE SIZE SCHEDULE 40 METALLIC PIPE 125' LENGTH PER TABLE 1216.2(1) CALIFORNIA PLUMBING CODE

 SIZE
 ½"
 ¾"
 1"
 1¼"
 1½"
 2"

 CFH
 44
 92
 173
 355
 532
 1,020

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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 HE TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN O PARADISE 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 JSE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM AN' USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS 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 1 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

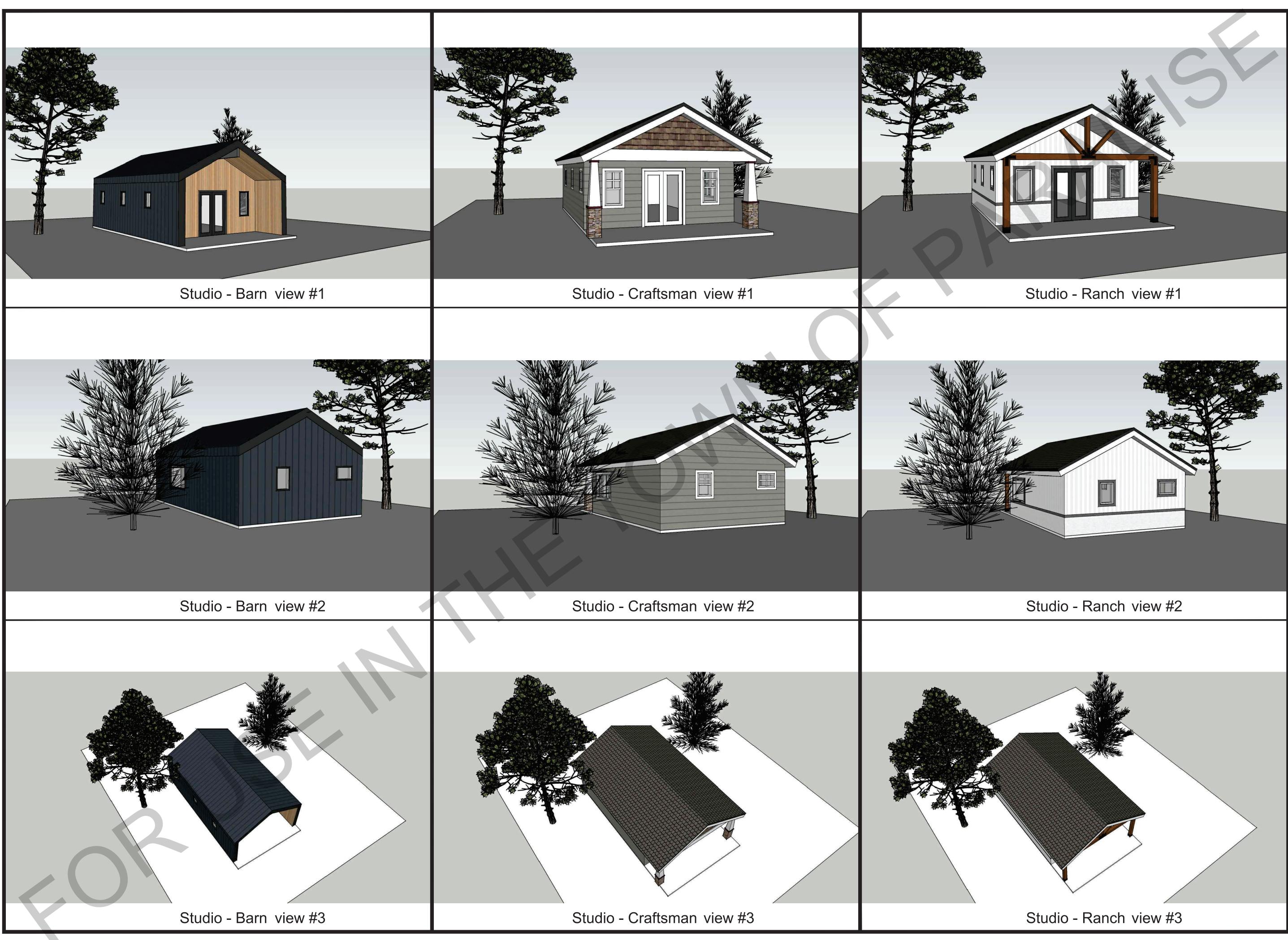
Town of Paradise Pre-Approved ADU Program

revisions

description

Title Sheet Studio

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	
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project

Town of Paradise Pre-Approved ADU Program

revisions  $\triangle$  $\triangle$ description

Exterior Style Options

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	1.2

# **GRADING QUESTIONNAIRE & BEST MANAGEMENT PRACTICES**

Background: Grading is regulated by Chapter 15 of the Town of Paradise Municipal Code (PMC). Grading is the removal or deposition of earth material by artificial means. Earth material is defined as any rock or natural soil or combination thereof. Grading is generally a combination of excavation (cuts) and placement (fill) of soil. Grading does not include routine farming practices. See PMC §15.02.290. Common examples of grading include construction of driveways, building pads, or site improvements, and restoration or stabilization of hillsides, slopes, or stream banks. A grading permit is required prior to commencing any grading or related work, including preparatory site clearing and soil disturbance, except where exempted from permit requirements by PMC §15.02.290 J103.

**Questionnaire:** To determine if a project requires a grading permit, please answer all the questions below. If a response to any question is unknown, contact a design professional for assistance and/or consult with the Town of Paradise Development Services staff. Incorrect or false answers may cause delays processing and/or issuing permits related to the project.

L. Does the project include excavation which exceeds two feet in vertical depth at its deepest point measured from the original ground surface and which does not create a cut slope greater than four feet in height and steeper than one and one-half horizontal to one vertical and does not exceed fifty (50) cubic yards of material.

Does the project have a fill that exceeds one foot in vertical depth and is placed on natural terrain with a slope flatter than five horizontal to one vertical at its deepest point measured from the natural  $|\Box|\Box|$ ground surface, or less than three feet in depth, not intended to support structures, which do not exceed fifty cubic yards on any one lot and does not change the existing drainage pattern 3. Does the project have an excavation below finish grade for a basement, footing, retaining wall, wimming pool, or other structure authorized by a valid permit, which excavation will be completely occupied by and retained by the structure authorized by valid building permit.

ا. Does the project include a fill above existing grade, which fill will be retained by the exterior wall c a building, a retaining wall, swimming pool or other structure authorized by a valid building permit

Acknowledgment: I, as the applicant, understand that a "Yes" answer to any of the above questions means that a grading permit maybe required for my project and that the grading permit must be issued before any related building permit(s) can be issued. If any answers are "Unknown" to me, I should contact my design professional immediately to determine if a grading permit is required for my project or circumstance. Furthermore, I understand that incorrect or false answers may cause delays processing and/or issuing permits related to my project.

Applicant Printed

Applicant Signature

# **EXISTING SWIMMING POOL**

# REQUIREMENTS

WHEN A BUILDING PERMIT IS ISSUED FOR THE CONSTRUCTION OF A NEW MING POOL OR SPA OR THE REMODELING OF AN EXISTING SWIMMING POOL OR SPA AT A PRIVATE DWELLING, 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 DWELLING. (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 DWELLING DOORS PROVIDING DIRECT ACCESS TO THE SWIMMING POOL OR

(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.

- 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 505.1
- ALL FIRE APPARATUS ROADS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED VERTICAL CLEARANCE OF NO LESS THAN 13 FEET 6 INCHES.
- SITE PLAN SHALL PROVIDE DIMENSIONS SHOWING REQUIRED FIRE APPARATUS ACCESS ROADS. FIRE ACCESS ROADWAYS SHALL HAVE AN UNOBSTRUCTED IMPROVED WIDTH OF NOT LESS THAN 20 FEET, EXCLUSIVE OF SHOULDERS

FIRE ACCESS ROADWAYS

**FIRE NOTES** 

- SURFACE FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS NOT LESS THAN 75,000 LBS AND SHALL BE PROVIDED WITH AN APPROVED PACED SURFACE TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.
- SEE PARADISE MUNICIPAL CODE NOTES ON SHEET G0.4 FOR MORE INFORMATION ON FIRE REQUIREMENTS

- SETBACK.

- THE BUILDING PLANS.
- . SITE PREPARATION
- 2. SITE CLEARING
- 3. LINES AND LEVELS
- PLAN.
- 5. EARTH WORK

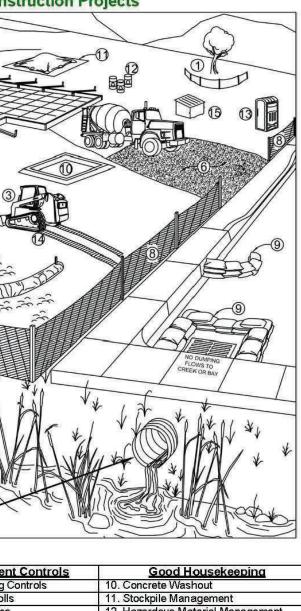
BUILDING.

NOTE: REMEMBER THAT STORM DRAIL AND RUNOFF FLOW DIRECTLY TO REEKS, RIVERS AND BAYS UNTREA

Soil Cove Soil Preparation/ Rougheni Erosion Control Blankets Reveaetati

Note: Select an effective combination of control measures from each category, Erosion Control, Sediment Control, and Good Housekeeping. Control measures shall be continually implemented and maintained throughout the project until activities are complete, disturbed areas are stabilized with permanent erosion controls, and the local agency has signed off on permits that may have been required for the project. Inspect and maintain the control measures before and after rain events and as required by the local agency or state permit More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) and California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the California Best Management Practices Handbook Portal: Construction at http://www.casga.org. Caltrans factsheets are available in the Construction Site BMP Manual March 2003 at http://www.dot.ca.gov/ho/construc/stormwater/manuals.htm.

### own of Paradise Stormwater Pollution Prevention Program Best Managements Practices For Small Construction Projects



olls	11. Stockpile Management		
ICE	12. Hazardous Material Management		
let Protection	13. Sanitary Waste Management		
Dewatering	14. Equipment and Vehicle Maintenance		
	15. Litter and Waste Management		

# **GENERAL NOTES**

SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS AND NOTES NOT

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). 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

NEW ELECTRIC SERVICE IS TO BE LOCATED - POOLS, SPAS, WALLS, FENCES, PATIO COVERS AND OTHER FREESTANDING STRUCTURES REQUIRE SEPARATE REVIEWS AND PERMITS LANDSCAPE AND IRRIGATION WATER USE SHALL HAVE WEATHER OR

SOIL BASED CONTROLLERS 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' INTO WHICH ANY PERSON IS REQUIRED TO DESCEND. 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 WINDOW SILLS, BELT COURSES, CORNICES, FLUES AND CHIMNEYS,

EAVES, AIR CONDITIONING UNITS AND SIMILAR ARCHITECTURAL PROJECTIONS MAY EXTEND NOT MORE THAN TWO (2) FEET INTO A REQUIRED YARD. [PMC 17.06.600 E(1)]

PROJECT IS TO BE STAKED OUT FOR OWNER APPROVAL BEFORE FOR EARTHWORK IS TO BEGIN.

CONTRACTOR WILL VERIFY WITH OWNER ALL PLANTING TO BE REMOVED PRIOR TO STARTING WORK.

THE CONTRACTOR WILL VISIT THE SITE AND EVALUATE GRADE CONDITION. FOR BIDDING PURPOSES, THE CONTRACTOR WILL CALCULATE HIS OWN CUT AND FILL QUANTITIES BASED ON THE SITE

4. SHORING IS TO BE PROVIDED AS REQUIRED

PROJECT SITE COMPACTION REPORT REQUIRED. THE CONTRACTOR IS TO VERIFY THE LOCATION OF UTILITY SERVICE IN THE AREA PRIOR TO EXCAVATION.c.UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL FINISH GRADES ARE TO SLOPE AWAY FROM THE BUILDING AND EXTERIOR PAVING 1/4" PER FOOT MINIMUM FOR A MINIMUM DISTANCE OF 5'-0". LOT DRAINAGE TO AVOID POOLING AT

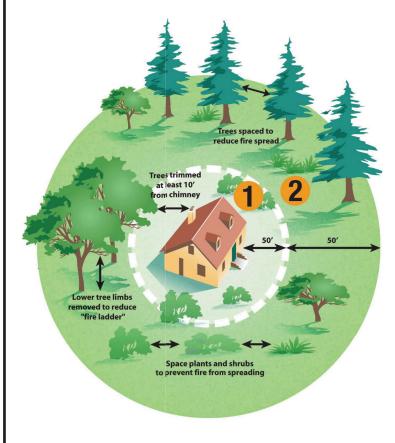
14.200.000	rol Measure	General Description
Eros	ion Control Best M	anagement Practices
N/A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activitie to reduce erosion potential, such as scheduling ground disturbing activities during the summer and phasing projects to minimize the amount of area disturbed. For more info see the following factsheets: CASQA: EC-1 or Caltrans: SS-1.
1	Preserve Existing Vegetation and Creek Setbacks	Preserve existing vegetation to the extent possible, especially along creek buffers. Show creek buffers on maps and identify areas to be preserved in the field with temporary fencing. Check with the local Planning ar Public Works Departments for specific creek set back requirements. <i>For more info see the following factsheets: CASQA: EC-2; or Caltrans: SS-2.</i>
2	Soil Cover	Cover exposed soil with straw mulch and tackifier (or equivalent). For more info see the following factsheets. CASQA: EC-3, EC-5, EC-6, EC-7, EC-8, EC-14, EC-16; or Caltrans: SS-2, SS-4, SS-5, SS-6, SS-7, SS-8.
3	Soil Preparation/ Roughening	Soil preparation is essential to vegetation establishment and BMP installation. It includes soil testing and amendments to promote vegetation growth as well as roughening surface soils by mechanical methods (decompacting, scarifying, stair stepping, etc.). For more info see the following factsheets: CASQA: EC-15.
4	Erosion Control Blankets	Install erosion control blankets (or equivalent) on disturbed sites with 3:1 slopes or steeper. Use wildlife- friendly blankets made of biodegradable natural materials. Avoid using blankets made with plastic netting or fixed aperture netting. See: <u>http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</u> . For more info see the following factsheets: CASQA: EC-7; or Caltrans: SS-7.
5	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical. For more info see the following factsheets: CASQA: EC-4; or Caltrans: SS-4.
Sedi	ment Control Best	Management Practices
6	Tracking Controls	Stabilize site entrance to prevent tracking soil offsite. Inspect streets daily and sweep street as needed. Require vehicles and workers to use stabilized entrance. Place crushed rock 12-inches deep over a geotextile, using angular rock between 4 and 6-in. Make the entrance as long as can be accommodated on the site, ideally long enough for 2 revolutions of the maximum tire size (16-20 feet long for most light trucks). Make the entrance wide enough to accommodate the largest vehicle that will access the site, ideally 10 feet wide with sufficient radii for turning in and out of the site. Rumble pads or rumble racks can be used in lieu or or in conjunction with rock entrances. Wheel washes may be needed where space is limited or where the site entrance and sweeping is not effective. For more info see the following factsheets: CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.
7	Fiber Rolls	Use fiber rolls as a perimeter control measure, along contours of slopes, and around soil stockpiles. On slopes space rolls 10 to 20 feet apart (using closer spacing on steeper slopes). Install parallel to contour. If more than one roll is used in a row overlap roll do not abut. J-hook end of roll upslope. Install rolls per either Type 1 (stake rolls into shallow trenches) or Type 2 (stake in front and behind roll and lash with rope). Use wildlife-friendly fiber rolls made of biodegradable natural materials. Avoid using fiber rolls made with plastic netting or fixed aperture netting. See: <u>http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf</u> . Manufactured linear sediment control or compost socks can be used in lieu of fiber rolls. <i>For more info see the following factsheets: CASQA: SE-5 (Type 1); SE-12, SE-13; or Caltrans: SC-5 (Type 1 and Type 2)</i> .
8	Silt Fence	Use silt fence as a perimeter control measure, and around soil stockpiles. Install silt fence along contours. Key silt fence into the soil and stake. Do not use silt fence for concentrated water flows. Install fence at least 3 feet back from the slope to allow for sediment storage. Wire backed fence can be used for extra strength. Avoid installing silt fences on slopes because they are hard to maintain. Manufactured linear sediment contro can be used in lieu of silt fences. For more info see the following factsheets: CASQA: SE-1; SE-12; or Caltrans: SC-1.
9	Drain Inlet Protection	Use gravel bags, (or similar product) around drain inlets located both onsite and in gutter as a last line of defense. Bags should be made of a woven fabric resistant to photo-degradation filled with 0.5-1-in washed crushed rock. Do not use sand bags or silt fence fabric for drain inlet protection. For more info see the following factsheets: CASQA: SE-10; or. Caltrans: SC-10.
N/A	Trench Dewatering	Follow MCSTOPPP BMPs for trench dewatering. http://www.marincounty.org/depts/pw/divisions/mcstoppp/ development/~/media/Files/Departments/PW/mcstoppp/development/TrenchingSWRegMCSTOPPPFinal6 9.pdf. For more info see the following factsheets: CASQA: NS-2; or Caltrans: NS-2.
Good	Housekeeping Be	est Management Practices
10	Concrete Washout	Construct a lined concrete washout site away from storm drains, waterbodies, or other drainages. Ideally, place adjacent to stabilized entrance. Clean as needed and remove at end of project. For more info see the following factsheets: CASQA: WM-8; or .Caltrans: WM-8.
11	Stockpile Management	Cover all stockpiles and landscape material and berm properly with fiber rolls or sand bags. Keep behind the site perimeter control and away from waterbodies. For more info see the following factsheets: CASQA: WM-or Caltrans: WM-3.
12	Hazardous Material Management	Hazardous materials must be kept in closed containers that are covered and within secondary containment; do not place containers directly on soil. For more info see the following factsheets: CASQA: WM-6; or Caltrans: WM-6.
13	Sanitary Waste Management	Place portable toilets near stabilized site entrance, behind the curb and away from gutters, storm drain inlets and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (most vendors provide these). For more info see the following factsheets: CASQA: WM-9; or Caltrans: WM-9.
14	Equipment and Vehicle Maintenance	Prevent equipment fluid leaks onto ground by placing drip pans or plastic tarps under equipment. Immediate clean up any spills or drips. For more info see the following factsheets: CASQA: NS-8, NS-9, and NS-10; or Caltrans: NS-8, NS-9, and NS-10.
15	Litter and Waste Management	Designate waste collection areas on site. Use watertight dumpsters and trash cans; inspect for leaks. Cover at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up site litter daily. For more info see the following factsheets: CASQA: WM-5; or Caltrans: WM-5.

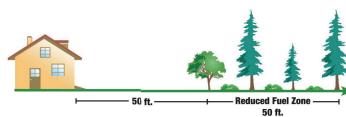
# **100' DEFENSIBLE SPACE**

# A Defensible Space of 100 feet around your home is required by law.

It protects your home while providing a safe area for firefighters.

Contact your local CAL FIRE office, fire department, or Fire Safe Council for tips and assistance. www.fire.ca.gov





50/50 Reduced Fuel Zone applies to residents within the unincorporated areas of San Diego County



# "Lean, Clean and Green Zone"

Lawn, weeds and other landscaping in the first 50 feet around your home should be mowed and properly maintained.

Thinning and pruning the brush and trees in the first 50 feet around your home is critical. Clean all needles and leaves from your roof and

gutters. Trim tree limbs at least 10 feet from chimneys, and

remove dead branches hanging over your home or garage.

The law requires a screen over your chimney outlet of not more than inch mesh.

# (2) "Reduced Fuel Zone"

Create horizontal and vertical spacing between plants to improve your chance of stopping a wildfire before it destroys your home.

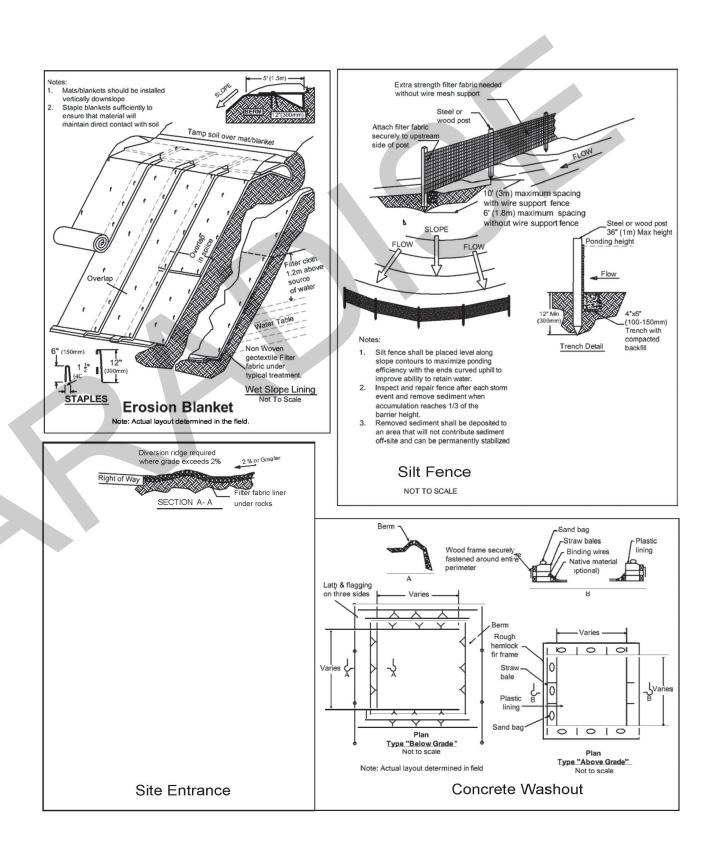
Remove lower tree limbs to reduce the risk of a vertical fire ladder.

### "Additional Tips"

Use care when operating equipment such as lawnmowers. One small spark may start a fire; a string trimmer is much safer.

Check with your local fire department for additional requirements.

Visit www.ReadySanDiego.org

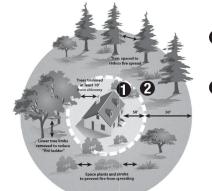


# **100' DEFENSIBLE SPACE**

### To reduce the danger to life and property from destructive brush fires, residents are asked to:

Maintain effective Defensible Space by removing, modifying, or thinning highly ignitable shrubs, trees or plants and other flammable materials from areas within 100 horizontal feet of structures.

In the unincorporated area, the 100 foot fuel modification zone is divided into two zones as follows:



- **O Zone one:** Area within a 50 foot radius of **any** structure. Must be modified/ treated and planted with fire resistive plants.
- **2 Zone two:** Area between 50 to 100 feet from the structure. Native vegetation may remain, but it must be thinned by 50% when the parcel is compared to the natural wildland setting adjacent to it. All dead and dying vegetation must be removed. Grass and other vegetation less than 18" in height above the ground need not be removed when necessary to stabilize the soil and prevent erosion.
- Remove all dead wood from trees adjacent to or overhanging a building. Remove limbs from bottom 1/3 of tree, up to a maximum of 6 feet above the ground, and all limbs within 10 foot radius of the chimney stack opening; remove debris from under trees.
- Remove leaves, needles, or other dead vegetative growth from all roofs and gutters.
- Stack firewood 30 feet away from structures.
- Remove garbage, refuse, rubbish, trash, cuttings, fallen limbs, trimmings, or other easily ignitable waste material from property.
- Remove all combustible vegetation within 10 feet along both sides of roadways and driveways.
- Maintain a 13 foot 6 inch vertical clearance over all roads and driveways for emergency vehicles.
- Remove all items that would easily ignite such as trash or shrubs and trees within 10 feet of propane tanks.

Display address at a location plainly visible to emergency vehicles on the street or roadway fronting your property.

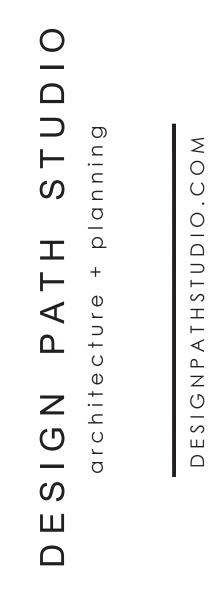
These are the minimum requirements. Your particular parcel may have additional requirements based on topography and native plant conditions. In addition, you may consider locating patio furniture away from structures, to avoid an ignition source.

### For more information visit: www.ReadySanDiego.org



This document was prepared under a grant from FEMA's Grant Programs Directorate, U.S. Department of Homeland Security. Points of view or opinions expressed in this document are those of the authors and do not necessarily represent the official position or policies of FEMA's Grant Programs Directorate or the U.S. Department of Homeland Security

Contact your local CAL FIRE office, fire department, or Fire Safe Council for tips and assistance. www.fire.ca.gov



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 TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN C PARADISE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJEC PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES HAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE. WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENT AND THE INFORMATION CONTAINED THEREON. AN' REUSE, OR ALTERATION OF THESE OCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL EGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL. TO THE FULLEST EXTEN PERMITTED BY LAW. DEFEND. INDEMNIFY AND HOL DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUIT IABILITY, DEMANDS, JUDGMENTS, OR COSTS RISING OUT OF OR RESULTING THERE FROM AN' USE OF THESE CONSTRUCTION DOCUMENTS FOR R ON ACCOUNT OF ANY INJURY, DEATH, DAMAG R LOSS TO PERSONS OR PROPERTY, DIRECT OR ONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS DEMNITY 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 1 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

# Town of Paradise Pre-Approved ADU Program

revisions



description

# Site Information



### SITE INFORMATION CHECKLIST: SEE SITE PLAN NOTES ON SHEET G0.2 FOR FURTHER INFORMATION

### X TO BE INCLUDED ON SITE PLAN

	Χ	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, ACCES	SS ROADS, AND CURB CUTS					
		SHOW FIRE ACCESS ROADS / DRIVEWAY - MAX FIRE H	IOSE PULL OF 150 FT LENGTH					
		LOCATION AND DIMENSIONS OF ALL EASEMENTS (ELE	ECTRIC, 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 SIZE OF OFF-STREET PARKING						
		LOCATION OF EXISTING AND PROPOSED VEGETATION	l.					
		LOCATION OF EXISTING AND PROPOSED UTILITIES TO						
		LOCATION OF EXISTING AND NEW UTILITIES (SEWER I	ATERAL CLEANOUTS. GAS					
		LINES, ELECTRICAL OVERHEAD, OR UNDERGROUND CONDUCTORS.)						
		ADU SEWER LINE CANNOT BE CONNECTED DIRECTLY TO THE EXISTING MAIN DWELLING UNIT IF THERE ARE FOUR 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.)						
		SITE PLAN SIGNED BY PREPARER.						
		LOCATION OF SEPTIC SYSTEM AND LEACH LINES (IF APPLICABLE) EXISTING AND/OR PROPOSED						
		SOILS: LAND NOT SUBJECT TO LIQUEFACTION / GEO HAZARD OR SPECIAL STUDY ZONE						
		FLOOD: NOT SUBJECT TO OVERFLOW, INUNDATION OR FLOOD HAZARD						
		USING THE AS-BUILT ON FILE, ACCURATELY DRAW IN TH BOTH THE SEPTIC TANK AND LEACH FIELD	E SEPTIC SYSTEM INCLUDING					
		TOPOGRAPHY / SLOPE OF LAND AROUND ADU DESIGNE MAIN DWELLING UNIT	D TO DRAIN AWAY FROM ADU AND					
-		ENCROACHMENT PERMIT REQUIRED FOR ANY CONSTRU	JCTION IN THE RIGHT OF WAY					
		KEYNOTES	GENERAL NC					
	1	LINE OF EXTERIOR WALL, TYP.	1. SPOT DIMENSIONS INDI					
	2	LINE OF ROOF OVERHANG / DECK / AWNING / STRUCTURE ABOVE	GRADE HEIGHTS. VERIF					
	3	REQUIRED SETBACKS	2. SEE BUILDING PLANS F DIMENSIONS AND NOTE					
	4	PROPERTY LINE, TYP.	3. SEE BUILDING PLANS AN ALL EXTERIOR DOOR AN					
	5	EXISTING GAS METER	4. YARD SETBACKS ARE T					
	6	EXISTING WATER METER	FROM THE EXTERIOR W PROPERTY LINE AND NO					
	7	EXISTING ELECTRIC METER.	OUTSIDE OF THE FOOTI					
	8	CONDENSING UNIT	STUDS). 5. SEWER DRAIN CLEANOU					
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# WILD FIRE PREPARED HOME STANDARDS SITE NOTES:

Home Ignition Zone – The First 5 Feet Around the Home: The Home Ignition Zone (HIZ) is one of the most critical aspects of wildfire mitigation at the parcel level and includes the space from the edge of the exterior walls to a distance of 5 feet from the building footprint, as shown in Figure 2. Note that when decks and/or covered porches are present, the HIZ must extend around them.

The HIZ must meet and maintain monthly all the following conditions:

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Ground cover must be noncombustible and maintained free of debris (noncombustible hardscape such as gravel or paving stones) recommended). No vegetation (trees, shrubs, bushes, plants, grass, weeds, etc.) should exist within or overhang the HIZ. Any overhanging limbs o

ranches from nearby trees and bushes must be trimmed back to be outside the HIZ. No combustible items (such as furniture, firewood, trash cans, etc.) should be stored in the HIZ. No boats, RVs, or other vehicles should be parked in the HIZ.

Landscaping in the Remainder of the Parcel:

- The remainder of the property beyond the 5-foot HIZ must maintain defensible space. Defensible space separates fuels to reduce flame intensity near a home. This includes:
- Routinely removing fallen pine needles, leaves, and other debris from trees accumulated in the yard. Regularly caring for trees, shrubs, bushes, plants, and grass. Trees should be pruned to have a canopy-to-canopy distance of at least 10 feet. Tree limbs and branches should be pruned to a
- minimum height of 6 feet off the ground, if the trunk is at least 4 inches in diameter Shrubs and bushes should be spaced at a distance of at least twice the height of the bush or shrub. Rows of shrubs or bushes are not allowed.

Routinely removing any dead vegetation.

Fencing within 5 feet of the home must be constructed of a noncombustible material including where fences attach to the home.

n Addition to the requirements listed above, back-to-back fencing (meaning separate fences that are closer than 3 feet apart) is not permitted. Meeting this requirement may necessitate coordination with neighboring parcels to eliminated duplicative fences that can trap debris between them.

### Accessory Structures & Outbuildings:

All unattached accessory structures and outbuildings that are within 30 feet of the home and that have a footprint greater than or equal to 15 square feet—such as sheds, gazebos, accessory dwelling units (ADUs), open covered structures with solid roofs, dog houses, playhouses, etc.—must meet the same wildfire resilience requirements as the home structure. Up to 3 total accessory structures and/or outbuildings are acceptable. Each structure must have its own 5 feet of defensible space (as prescribed under Home Ignition Zone) that does not overlap the 5-foot HIZ required for the home, decks, or other structures within 30 feet of the home.

ADUs attached to the primary home by building permit are considered part of the primary structure and subject to the same requirements.

As of publication of this standard, IBHS continues active research into the spacing required between structures to reduce the likelihood of one igniting the other, including the impact of features such as combustible or noncombustible siding. The provisions of this section of the standard may be updated as this research matures.

KEYNOTES	GENERAL NOTES	LEGEND	
<ol> <li>LINE OF EXTERIOR WALL, TYP.</li> <li>LINE OF ROOF OVERHANG / DECK / AWNING / STRUCTURE ABOVE</li> <li>REQUIRED SETBACKS</li> <li>PROPERTY LINE, TYP.</li> <li>EXISTING GAS METER</li> <li>EXISTING WATER METER</li> <li>EXISTING ELECTRIC METER.</li> <li>CONDENSING UNIT</li> <li>SURFACE WATER IS TO DRAIN AWAY FROM BUILDING. GRADE SHALL FALL A MIN. OF 6" WITHIN THE FIRST 10 FEET</li> <li>FEEDER TO EXTEND TO EXISTING PANEL</li> <li>NEW ADU SUB PANEL / DISCONNECT / JUNCTION BOX AND GROUNDING ELECTRODE</li> </ol>	<ol> <li>SPOT DIMENSIONS INDICATE ESTIMATED GRADE HEIGHTS. VERIFY IN FIELD PRIOR TO CONSTRUCTION.</li> <li>SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS AND NOTES NOT SHOWN.</li> <li>SEE BUILDING PLANS AND SCHEDULES FOR ALL EXTERIOR DOOR AND WINDOW REFERENCES AND LOCATIONS.</li> <li>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).</li> <li>SEWER DRAIN CLEANOUTS REQUIRED AT 100 FOOT INTERVALS AND CHANGES IN DIRECTION OF 135 DEGREES OR MORE.</li> </ol>	Image: Construction       SPOT GRADE ELEVATION         Image: Construction       AREA OF NEW BUILDING FOOTPRINT         Image: Construction       AREA OF EXISTING BUILDING FOOTPRINT         Image: Construction       Construction         Image: Construction       Construction         Image: Construction       Construction         Image: Construction       Landscape	1KEYNOTE $- \cdot \cdot -$ PROPERTY LINE $$ REQUIRED SETBACKS $$ DRAINAGE PATTERN $- 000^{$
SYSTEM PER NEC ARTICLE 250.32			-X X X NEW OR EXISTING FENCE

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**EXISTING HOUSE** 

SQ. FT. = X,XXX

FF ELEV=XXX.XX'

PAD ELEV=XXX.XX'

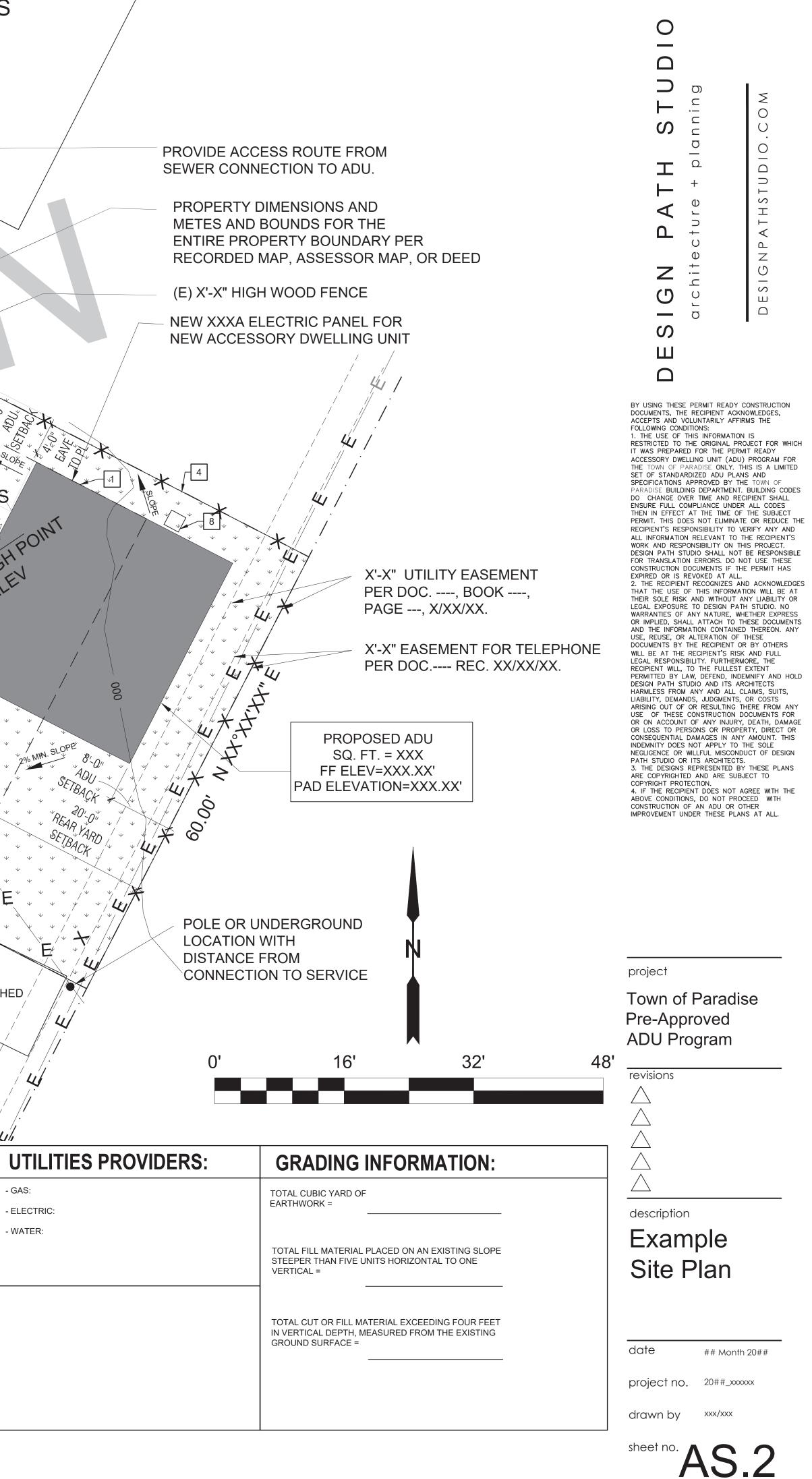
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# **CERTIFICATE OF ACCURACY**

SITE PLAN PREPARED BY (SIGNATURE)

		CAS
	I CERTIFY ALL DOCUMENTS AND PLANS CLEARLY AND ACCURATELY SHOW ALL EXISTING AND ALL PROPOSED	- GAS:
	BUILDINGS, STRUCTURES, ACCESS ROADS, AND UTILITIES/UTILITY EASEMENTS. ALL PROPOSED LAND USE	- ELECTRIC:
	ACTIVITIES, IMPROVEMENTS TO LAND, AND/OR BUILDING MODIFICATIONS OR ADDITIONS ARE CLEARLY	
	LABELED ON THE SITE PLAN OF THE APPROVED PLAN SET. I UNDERSTAND THAT ANY POTENTIALLY EXISTING	- WATER:
	DETAIL WITHIN THESE PLANS INCONSISTENT WITH THE SITE PLAN ARE NOT APPROVED AND MAY BE	
KS	REQUIRED TO BE ALTERED OR REMOVED. THE SUBMITTED DOCUMENTS AND PLANS SHOW THE CORRECT	
	DIMENSIONS OF THE PROPERTY, THE BUILDINGS, AND STRUCTURES AND THEIR SETBACKS FROM PROPERTY	
Ν	LINES AND FROM ONE ANOTHER, ACCESS ROADS/EASEMENTS, AND UTILITIES. THE EXISTING AND PROPOSED	
	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	
	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	
	GRADING/SITE PREPARATION.	
TER LINE		
TEL DATA LINE	APPLICANT (SIGNATURE):	



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

				VDATURT WEASURES, SHE
Y N/A RESPON. PARTY	CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL	Y N	I/A RESPON. PARTY	<ul> <li>4.303.1.4 Faucets.</li> <li>4.303.1.4.1 Residential Lavatory Faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gallons per minute at 60 psi. The minimum flow rate of residential lavatory faucets shall not be less than 0.8 gallons per minute at 20 psi.</li> </ul>
	<b>301.1 SCOPE.</b> Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code,			4.303.1.4.2 Lavatory Faucets in Common and Public Use Areas NOT USED 4.303.1.4.3 Metering Faucets NOT USED
	but are not required unless adopted by a city, county, or city and county as specified in Section 101.7. <b>301.1.1 Additions and alterations. [HCD]</b> The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the			<b>4.303.1.4.4 Kitchen Faucets.</b> The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.
	specific area of the addition or alteration. The mandatory provision of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section			<ul> <li>Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.</li> <li>4.303.1.4.5 Pre-rinse spray valves NOT USED</li> </ul>
	<ul> <li>4.106.4.3 for application.</li> <li>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.</li> </ul>			4.303.2 Submeters for multifamily buildings and dwelling units in mixed-used residential/commercial buildings NOT USED
	<b>Note:</b> On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.			<ul> <li>4.303.3 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the <i>California Plumbing Code</i>, and shall meet the applicable standards referenced in Table 1701.1 of the <i>California Plumbing Code</i>.</li> <li>NOTE: THIS TABLE COMPILES THE DATA IN SECTION 4.303.1, AND IS INCLUDED AS A</li> </ul>
	301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] - NOT USED SECTION 302 MIXED OCCUPANCY BUILDINGS			CONVENIENCE FOR THE USER.         TABLE - MAXIMUM FIXTURE WATER USE         FIXTURE TYPE       FLOW RATE         SHOWER HEADS       (RESIDENTIAL)
	302.1 MIXED OCCUPANCY BUILDINGS NOT USED DIVISION 4.1 PLANNING AND DESIGN			SHOWER HEADS (RESIDENTIAL)       1.8 GMP @ 80 PSI         LAVATORY FAUCETS (RESIDENTIAL)       MAX. 1.2 GPM @ 60 PSI_MIN. 0.8 GPM @ 20
	ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development			LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS 0.5 GPM @ 60 PSI
	BSCCalifornia Building Standards CommissionDSA-SSDivision of the State Architect, Structural SafetyOSHPDOffice of Statewide Health Planning and Development			KITCHEN FAUCETS 1.8 GPM @ 60 PSI
	LR Low Rise HR High Rise AA Additions and Alterations			METERING FAUCETS     0.2 GAL/CYCLE       WATER CLOSET     1.28 GAL/FLUSH
	CHAPTER 4			URINALS 0.125 GAL/FLUSH
	RESIDENTIAL MANDATORY MEASURES SECTION 4.102 DEFINITIONS 4.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference)			<b>4.304 OUTDOOR WATER USE</b> <b>4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS</b> . Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.
	<b>FRENCH DRAIN.</b> A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar pervious material used to collect or channel drainage or runoff water.			<ol> <li>The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code Regulations, Title 23, Chapter 2.7, Division 2. MWELO and supporting documents, including water budget calculator, are</li> </ol>
	<b>WATTLES.</b> Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials such as hay, straw or similar material shaped in the form of tubes and placed on a downflow slope. Wattles are also used for perimeter and inlet controls.			available at: https://www.water.ca.gov/ DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE
	<ul> <li>4.106 SITE DEVELOPMENT</li> <li>4.106.1 GENERAL. Preservation and use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, management of storm water drainage and erosion controls shall comply with this section.</li> </ul>			EFFICIENCY 4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE 4.406.1 RODENT PROOFING. Annular spaces around pipes, electric cables, conduits or other openings in
	<b>4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION.</b> Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site.			<ul> <li>sole/bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency.</li> <li>4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING 4.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65</li> </ul>
	<ol> <li>Retention basins of sufficient size shall be utilized to retain storm water on the site.</li> <li>Where storm water is conveyed to a public drainage system, collection point, gutter or similar disposal method, water shall be filtered by use of a barrier system, wattle or other method approved by the enforcing agency.</li> <li>Compliance with a lawfully enacted storm water management ordinance.</li> </ol>			percent of the non-hazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent local construction and demolition waste management ordinance.  Exceptions:
	<b>Note:</b> Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in total disturbs one acre or more of soil. (Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html)			<ol> <li>Excavated soil and land-clearing debris.</li> <li>Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the jobsite.</li> <li>The enforcing agency may make exceptions to the requirements of this section when isolated</li> </ol>
	<ul> <li>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:         <ol> <li>Swales</li> </ol> </li> </ul>			<ul> <li>4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN. Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as necessary and shall be available during construction for examination by the enforcing agency.</li> </ul>
	<ol> <li>Owales</li> <li>Water collection and disposal systems</li> <li>French drains</li> <li>Water retention gardens</li> <li>Other water measures which keep surface water away from buildings and aid in groundwater recharge.</li> </ol>			<ol> <li>Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale.</li> <li>Specify if construction and demolition waste materials will be sorted on-site (source separated) or bulk mixed (single stream).</li> </ol>
	Exception: Additions and alterations not altering the drainage path. 4.106.4 Electric vehicle (EV) charging for new construction NOT USED			<ol> <li>Identify diversion facilities where the construction and demolition waste material collected will be taken.</li> <li>Identify construction methods employed to reduce the amount of construction and demolition waste generated.</li> </ol>
	4.106.4 Electric vehicle (EV) charging for new construction NOT USED 4.106.4.2 New multifamily dwellings, hotels and motels and new residential parking facilities NOT USED 4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing multifamily buildings NOT USED			<ul> <li>5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.</li> <li>4.408.3 WASTE MANAGEMENT COMPANY. Utilize a waste management company, approved by the</li> </ul>
	DIVISION 4.2 ENERGY EFFICIENCY			enforcing agency, which can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with Section 4.408.1.
	<ul> <li>4.201 GENERAL</li> <li>4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.</li> </ul>			<ul> <li>Note: The owner or contractor may make the determination if the construction and demolition waste materials will be diverted by a waste management company.</li> <li>4.408.4 WASTE STREAM REDUCTION ALTERNATIVE [LR]. Projects that generate a total combined</li> </ul>
	DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION 4.303 INDOOR WATER USE			weight of construction and demolition waste disposed of in landfills, which do not exceed 3.4 lbs./sq.ft. of the building area shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1
	<b>4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.</b> 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.			<b>4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE.</b> Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 2 pounds per square foot of the building area, shall meet the minimum 65% construction waste reduction 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.			<ul> <li>4.408.5 DOCUMENTATION. Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 4.408.2, items 1 through 5, Section 4.408.3 or Section 4.408.4</li> <li>Notes:</li> </ul>
	<b>4.303.1.1 Water Closets.</b> The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets.			<ol> <li>Sample forms found in "A Guide to the California Green Building Standards Code (Residential)" located at www.hcd.ca.gov/CALGreen.html may be used to assist in documenting compliance with this section.</li> <li>Mixed construction and demolition debris (C &amp; D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).</li> </ol>
	<ul> <li>Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.</li> <li>4.303.1.2 Urinals NOT USED</li> <li>4.303.1.3 Showerheads</li> </ul>			<ul> <li>4.410 BUILDING MAINTENANCE AND OPERATION</li> <li>4.410.1 OPERATION AND MAINTENANCE MANUAL. At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building:</li> </ul>
	<ul> <li>4.303.1.3 Showerheads.</li> <li>4.303.1.3.1 Single Showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.</li> </ul>			<ol> <li>Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure.</li> <li>Operation and maintenance instructions for the following:         <ul> <li>Equipment and appliances, including water-saving devices and systems, HVAC systems,</li> </ul> </li> </ol>
	<b>4.303.1.3.2 Multiple showerheads serving one shower</b> . 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 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.			<ul> <li>photovoltaic systems, electric vehicle chargers, water-heating systems and other major appliances and equipment.</li> <li>b. Roof and yard drainage, including gutters and downspouts.</li> <li>c. Space conditioning systems, including condensers and air filters.</li> <li>d. Landscape irrigation systems.</li> </ul>
	<b>Note</b> : A hand-held shower shall be considered a showerhead.			<ul> <li>e. Water reuse systems.</li> <li>3. Information from local utility, water and waste recovery providers on methods to further reduce resource consumption, including recycle programs and locations.</li> </ul>
				DING STANDARDS (CAL GREEN) CODE DUE TO THE VARIABLES BETWEEN BUILDING DERARTMENT JURISDICTIONS THIS CHECK

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 RESPO PART 5. Educational material on the positive impacts of an interior relative humidity between 30-60 percent and what methods an occupant may use to maintain the relative humidity level in that range. 6. Information about water-conserving landscape and irrigation design and controllers which conserve 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation. 8. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc. 9. Information about state solar energy and incentive programs available. 10. A copy of all special inspections verifications required by the enforcing agency or this code. 11. Information from the Department of Forestry and Fire Protection on maintenance of defensible space around residential structures. 12. Information and/or drawings identifying the location of grab bar reinforcements. 4.410.2 RECYCLING BY OCCUPANTS. Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waster, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive. **Exception:** Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82 (a)(2)(A) et seq. are note required to comply with the organic waste portion of this section DIVISION 4.5 ENVIRONMENTAL QUALITY

### SECTION 4.501 GENERAL 4.501.1 Scope

The provisions of this chapter shall outline means of reducing the quality of air contaminants that are odorous, irritating and/or harmful to the comfort and well being of a building's installers, occupants and neighbors. **SECTION 4.502 DEFINITIONS** 

### 5.102.1 DEFINITIONS

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

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

**COMPOSITE WOOD PRODUCTS.** Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of regulations (CCR), title 17, Section 93120.1.

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

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O<sup>3</sup>/g ROC). Note: MIR values for individual compounds and hydrocarbon solvents are specified in CCR, Title 17, Sections 94700 and 94701.

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

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

Note: PWMIR is calculated according to equations found in CCR, Title 17, Section 94521 (a).

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

VOC. A volatile organic compound (VOC) broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).

### 4.503 FIREPLACES

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

### 4.504 POLLUTANT CONTROL 4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING

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

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

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

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

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

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

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

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

**4.504.3 CARPET SYSTEMS.** All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.

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

4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.

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

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

**4.504.4 RESILIENT FLOORING SYSTEMS.** Where resilient flooring is installed , at least 80% of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.

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

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Y = YES N/A = NOT APPLICABLE	
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)	
DIVISION 4.5 ENVIRONMENTAL QUALITY (continued)	⊢ .⊆
<b>4.504.5 COMPOSITE WOOD PRODUCTS.</b> Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5	
<b>4.504.5.1 Documentation.</b> Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:	
<ol> <li>Product certifications and specifications.</li> <li>Chain of custody certifications.</li> </ol>	
<ol> <li>Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).</li> </ol>	
<ol> <li>Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269, European 636 3S standards, and Canadian CSA 0121, CSA 0151, CSA 0153 and CSA 0325 standards.</li> <li>Other methods acceptable to the enforcing agency.</li> </ol>	e G D
<b>4.505 INTERIOR MOISTURE CONTROL</b> <b>4.505.1 General.</b> Buildings shall meet or exceed the provisions of the <i>California Building Standards Code</i> .	
<b>4.505.2 CONCRETE SLAB FOUNDATIONS.</b> Concrete slab foundations required to have a vapor retarder by	<b>U</b> 2
California Building Code, Chapter 19, or concrete slab-on-ground floors required to have a vapor retarder by the California Residential Code, Chapter 5, shall also comply with this section.	- □ □
<b>4.505.2.1 Capillary break.</b> A capillary break shall be installed in compliance with at least one of the following:	Ш
1. A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clean aggregate shall be provided with a vapor barrier in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06.	
<ol> <li>Other equivalent methods approved by the enforcing agency.</li> <li>A slab design specified by a licensed design professional.</li> </ol>	BY USING THESE PERMIT READY CONS DOCUMENTS, THE RECIPIENT ACKNOWL ACCEPTS AND VOLUNTARILY AFFIRMS
<b>4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS.</b> Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19 percent moisture content. Moisture content shall be verified in compliance with the following:	FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJEC IT WAS PREPARED FOR THE PERMIT R ACCESSORY DWELLING UNIT (ADU) PR
<ol> <li>Moisture content shall be determined with either a probe-type or contact-type moisture meter.Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements found in Section 101.8 of this code.</li> <li>Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end</li> </ol>	THE TOWN OF PARADISE ONLY. THIS I SET OF STANDARDIZED ADU PLANS A SPECIFICATIONS APPROVED BY THE TO PARADISE BUILDING DEPARTMENT. BUI DO CHANGE OVER TIME AND RECIPIE
<ol> <li>of each piece verified.</li> <li>At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing.</li> </ol>	ENSURE FULL COMPLIANCE UNDER ALI THEN IN EFFECT AT THE TIME OF THE PERMIT. THIS DOES NOT ELIMINATE OF RECIPIENT'S RESPONSIBILITY TO VERIF
Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.	ALL INFORMATION RELEVANT TO THE WORK AND RESPONSIBILITY ON THIS F DESIGN PATH STUDIO SHALL NOT BE FOR TRANSLATION ERRORS. DO NOT U
4.506 INDOOR AIR QUALITY AND EXHAUST	CONSTRUCTION DOCUMENTS IF THE PE EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND A
<b>4.506.1 Bathroom exhaust fans.</b> Each bathroom shall be mechanically ventilated and shall comply with the following:	THAT THE USE OF THIS INFORMATION THEIR SOLE RISK AND WITHOUT ANY I LEGAL EXPOSURE TO DESIGN PATH S WARRANTIES OF ANY NATURE, WHETH
<ol> <li>Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building.</li> <li>Unless functioning as a component of a whole house ventilation system, fans must be controlled by a humidity control.</li> </ol>	OR IMPLIED, SHALL ATTACH TO THESE AND THE INFORMATION CONTAINED TH USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY
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.	WILL BE AT THE RECIPIENT'S RISK AN LEGAL RESPONSIBILITY. FURTHERMORE RECIPIENT WILL, TO THE FULLEST EXT PERMITTED BY LAW, DEFEND, INDEMNII
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)	DESIGN PATH STUDIO AND ITS ARCHIT HARMLESS FROM ANY AND ALL CLAIM LIABILITY, DEMANDS, JUDGMENTS, OR ARISING OUT OF OR RESULTING THERE
Notes:	USE OF THESE CONSTRUCTION DOCU OR ON ACCOUNT OF ANY INJURY, DEA
<ol> <li>For the purposes of this section, a bathroom is a room which contains a bathtub, shower or tub/shower combination.</li> <li>Lighting integral to bathroom exhaust fans shall comply with the <i>California Energy Code</i>.</li> </ol>	OR LOSS TO PERSONS OR PROPERTY, CONSEQUENTIAL DAMAGES IN ANY AM INDEMNITY DOES NOT APPLY TO THE NEGLIGENCE OR WILLFUL MISCONDUCT PATH STUDIO OR ITS ARCHITECTS.
<b>4.507 ENVIRONMENTAL COMFORT</b> <b>4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN</b> . Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods:	<ol> <li>THE DESIGNS REPRESENTED BY TH ARE COPYRIGHTED AND ARE SUBJECT COPYRIGHT PROTECTION.</li> <li>IF THE RECIPIENT DOES NOT AGREI</li> </ol>
<ol> <li>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.</li> <li>Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods.</li> <li>Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential</li> </ol>	ABOVE CONDITIONS, DO NOT PROCEED CONSTRUCTION OF AN ADU OR OTHEF IMPROVEMENT UNDER THESE PLANS A

Equipment Selection), or other equivalent design software or methods.

Exception: Use of alternate design temperatures necessary to ensure the system functions are

# **CHAPTER 7**

acceptable

N/A RESPON

PARTY

### **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:

- 1. 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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ESE PERMIT READY CONSTRUCTION THE RECIPIENT ACKNOWLEDGES, ID VOLUNTARILY AFFIRMS THE CONDITIONS:

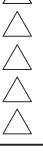
TO THE ORIGINAL PROJECT FOR WHICH PARED FOR THE PERMIT READY DWELLING UNIT (ADU) PROGRAM FOR PARADISE ONLY. THIS IS A LIMITED NDARDIZED ADU PLANS AND ONS APPROVED BY THE TOWN O UILDING DEPARTMENT. BUILDING CODES OVER TIME AND RECIPIENT SHALL COMPLIANCE UNDER ALL CODES ECT AT THE TIME OF THE SUBJECT DOES NOT ELIMINATE OR REDUCE THE RESPONSIBILITY TO VERIFY ANY AND ATION RELEVANT TO THE RECIPIENT'S RESPONSIBILITY ON THIS PROJECT. STUDIO SHALL NOT BE RESPONSIBLE ATION FRRORS, DO NOT USE THESE ON DOCUMENTS IF THE PERMIT HAS IS REVOKED AT ALL. PIENT RECOGNIZES AND ACKNOWLEDGES SE OF THIS INFORMATION WILL BE AT RISK AND WITHOUT ANY LIABILITY OR SURE TO DESIGN PATH STUDIO. NO OF ANY NATURE, WHETHER EXPRESS SHALL ATTACH TO THESE DOCUMENT ORMATION CONTAINED THEREON. ANY OR ALTERATION OF THESE BY THE RECIPIENT OR BY OTHERS THE RECIPIENT'S RISK AND FULL ONSIBILITY. FURTHERMORE, THE ILL. TO THE FULLEST EXTENT BY LAW, DEFEND, INDEMNIFY AND HOLD STUDIO AND ITS ARCHITECTS ROM ANY AND ALL CLAIMS, SUITS, MANDS, JUDGMENTS, OR COSTS OF OR RESULTING THERE FROM ANY ESE CONSTRUCTION DOCUMENTS FOR UNT OF ANY INJURY. DEATH. DAMAGE PERSONS OR PROPERTY, DIRECT OR IAL DAMAGES IN ANY AMOUNT. THIS DES NOT APPLY TO THE SOLE OR WILLFUL MISCONDUCT OF DESIGN OR ITS ARCHITECTS GNS REPRESENTED BY THESE PLANS GHTED AND ARE SUBJECT TO PROTECTION.

CIPIENT DOES NOT AGREE WITH THE ITIONS, DO NOT PROCEED WITH ON OF AN ADU OR OTHER UNDER THESE PLANS AT ALL.

project

# Town of Paradise **Pre-Approved ADU Program**

revisions



description

# Calgreen

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	
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# **GENERAL NOTES**

- 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 WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CRC AND CURRENT 2022 CALIFORNIA PLUBMING CODE, 2022 CALIFORNIA MECHANICAL CODE, AND 2022 CALIFORNIA ELECTRICAL CODE
- 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 TO BE REVIEWED AND APPROVED BY THE TOWN OF PARADISE
- VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO STARTING ANY WORK.
- ALL WEATHER-EXPOSED SURFACES ARE TO HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING AND THAT EXTERIOR OPENINGS ARE TO BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF. SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO
- PROVIDE TO THE TOWN OF PARADISE BUILDING INSPECTOR
- APPLICANT IS RESPONSIBLE TO VERIFY WHETHER THE JOB SITE IS LOCATED WITHIN THE SPECIAL PERMIT ZONE. PROJECTS LOCATED IN THE SPECIAL PERMIT ZONE SHALL PROVIDE AN ELEVATION CERTIFICATE WITH SUPPORTING DOCUMENTS TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE.
- THE PV SYSTEM WILL BE SUBMITTED UNDER A SEPARATE PERMIT A PHOTOVOLTAIC (SOLAR) SYSTEM BUILDING AND ELECTRICAL PERMIT SHALL BE ISSUED PRIOR TO ADU BUILDING FRAME INSPECTION REQUEST.
- SPECIAL INSPECTORS MUST BE QUALIFIED AND ABLE TO DEMONSTRATE COMPETENCE IN THE DISCIPLINE THEY ARE INSPECTING.
- VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOCUMENT PLANS, SPECIFICATION BUILDER OR INSTALLER CERTIFICATIONS, INSPECTIONS REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH TO SHOW SUBSTANTIAL CONFORMATION.
- THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN TO TOWN OF PARADISE BUILDING DEPARTMENT.
- THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FORM MAINTAINING APPLIANCES ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0

# SITE NOTES

- APPLICANT IS RESPONSIBLE TO PROVIDE SITE PLAN (PLOT PLAN) TO THE TOWN FOR REVIEW AND APPROVAL.
- AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY CONSTRUCTION, RECONSTRUCTION, OR CLOSURE OR THE ROADWAY, SIDEWALK OR RIGHT OF WAY. APPLICANT SHALL CONTACT ENGINEERING DEPARTMENT TO PROCESS.
- SITE EXCAVATION AND GRADING SHALL COMPLY WITH PARADISE MUNICIPAL CODE 15.02.100 SECTIONS J101.1 THRU J110.4.
- SOIL REPORT REQUIREMENT: IF A SOILS REPORT IS REQUIRED THE GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 1803.2 AND REPORTED IN ACCORDANCE WITH SECTION 18.3.6, CBC. -THE GEOTECHNICAL ENGINEER OF RECORD SHALL REVIEW THE TOWN APPROVED PLANS FOR GENERAL CONFORMANCE WITH THE SOIL REPORT: OTHERWISE, AN ALTERNATE FOUNDATION PLAN DESIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER IS REQUIRED
- SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE PROVIDED AND APPROVED BY THE TOWN ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY THE TOWN ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPT. SLOPE DRAINAGE 6" WITHIN THE FIRST 10FT. FROM THE FOUNDATION WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT THE 10FT DISTANCE, A 2-5 PERCENT SLOPE SHALL BE PROVIDED TO AN APPROVED ALTERNATIVE METHOD OF DIVERTING THE WATER AWAY FROM THE FOUNDATION. IMPERVIOUS SURFACES SHALL ALSO BE SLOPED A MINIMUM OF 2 PERCENT FOR 10FT AWAY FROM STRUCTURES TO AN APPROVED DRAINAGE WAY. (CRC R401.3) LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER
- PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION BY ONE OF THE FOLLOWING: A. RETENTION BASIN, B. WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER APPROVED METHOD. CGC 4.106.2.

BASED CONTROLLERS.

### FOUNDATIONS & CONCRETE SLAB NOTES

- . INTERIOR MOISTURE CONTROL AT SLAB ON GRADE SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A S ENGINEER HAS NOT PREPARED A SOIL REPORT FO PROJECT, THE FOLLOWING IS REQUIRED: A 4" THIC 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PRO A 10 MIL. VAPOR BARRIER IN DIRECT CONTACT WIT WITH A CONCRETE MIX DESIGN WHICH WILL ADDRE BLEEDING, SHRINKAGE AND CURLING SHALL BE US
- 2. FOOTINGS SHALL EXTEND AT LEAST 12 INCHES UNDISTURBED GROUND SURFACE. (CRC R403.1
- 3. STEPPED FOOTINGS SHALL BE USED WHEN SLO BOTTOM IS GREATER THAN 1 IN 10 (V: H). STEP F SHALL BE SHOWN ON BUILDING ELEVATIONS AN PLAN. (CRC R403.1.5)
- CONCRETE SLABS: 3 ½" MINIMUM (CRC R506.1). LIVING AREAS AND GARAGES SHALL BE REINFOR 6" X 6". 10-GAUGE X 10 GAUGE WELDED MESH OF STEEL REINFORCEMENT AND 4" THICKNESS OF GRAVEL UNDER THE CONCRETE SLAB. SEPARAT WITH A 10-MIL POLYETHYLENE VAPOR RETARDE LAPPED NOT LESS THAN 6 INCHES IN LIVING ARE CAPILLARY BREAK SHALL BE INSTALLED WHEN A RETARDER IS REQUIRED.

# WALL AND WOOD FRAME NO

- . STUCCO SHALL HAVE A MINIMUM CLEARANCE 1 INCHES AND 2 INCHES TO PAVED SURFACES WI APPROVED WEEP SCREED. (CRC R703.7.2.1) MAX VENEER SHALL BE FLASHED BENEATH THE FIRS MASONRY AND PROVIDED WITH WEEP HOLES IN ABOVE THE FLASHING. (CRC R703.8.5 AND R703
- 2. FASTENERS AND CONNECTIONS (NAILS, ANCHORS IN CONTACT WITH PRESERVATIVE -TREATED WOOI HOT -DIPPED ZINC-COATED GALVANIZED STEEL, ST STEEL, SILICON BRONZE OR COPPER. (CRC R317.3 2304.10.5.1)
- 3. ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WAS OF 0.229" X 3" X 3" IN SIZE, BETWEEN SILL PLATE AN R602.11.1, CBC 2308.3.2 ACCEPTANCE. ALTERNATIV USE SDPWS 4.3.6.4.3)
- 4. WEATHER EXPOSED GLU-LAM, BEAMS AND POS PRESSURE TREATED OR SHALL BE WOOD OF N RESISTANCE TO DECAY (CRC R317.1.3 & 5)
- 5. COLUMNS EXPOSED TO THE WEATHER OR IN B WHEN SUPPORTED ON CONCRETE PIER OR ME SHALL BE PRESSURE TREATED OR NATURAL RE DECAY UNLESS THE PIER/PEDESTALS PROJECT CONCRETE OR 6" ABOVE EARTH AND THE EART BY AN APPROVED IMPERVIOUS MOISTURE BARF R317.1)
- 6. COLUMNS IN ENCLOSED CRAWL SPACES OR UN AREAS LOCATED WITHIN THE PERIPHERY OF TH SHALL BE PRESSURE TREATED OR NATURAL RE DECAY UNLESS THE COLUMN IS SUPPORTED BY PIER OR METAL PEDESTAL OF A HEIGHT 8" OR M EARTH IS COVERED BY AN IMPERVIOUS MOISTU (CRC R317.1)
- 7. DECK POSTS SUPPORTED BY CONCRETE PIERS PEDESTALS PROJECTING NOT LESS THAN 1" ABO CONCRETE FLOOR OR 6" ABOVE EXPOSED EART
- 8. SPECIFY POST TO BEAM CONNECTIONS. POSITI SHALL BE PROVIDED TO ENSURE AGAINST UPLIF DISPLACEMENT. (CRC R502.9 & CBC 2304.10.7)
- 9. ALL FASTENERS USED FOR ATTACHMENT OF SIL PRESSURE TREATED LUMBER SHALL BE OF A CC RESISTANT TYPE. (CRC R317.3)
- 10. FIRE-BLOCK IN CONCEALED SPACES OF STUD WALLS/PARTITIONS, VERTICALLY AT CEILING/FL HORIZONTALLY AT 10FT. INTERVALS. FIRE-BLOC DROP CEILINGS/SIMILAR LOCATIONS & IN CONC AT THE TOP/BOTTOM OF STAIR STRINGERS. (CR

# **ROOF NOTES**

- FLASHINGS SHALL BE INSTALLED IN A MANNER T MOISTURE FROM ENTERING THE WALL AND ROOI JOINTS IN COPINGS, THROUGH MOISTURE PERM MATERIALS AND AT INTERSECTIONS WITH PARAF OTHER PENETRATIONS THROUGH THE ROOF PLA
- UNLESS ROOFS ARE SLOPED TO DRAIN OVER RO DRAINS SHALL BE INSTALLED AT EACH LOW POIN ROOF ASSEMBLIES SHALL BE OF MATERIALS THA COMPATIBLE WITH EACH OTHER AND WITH THE E
- STRUCTURE TO WHICH THE MATERIALS ARE APP BUILDING-INTEGRATED PHOTOVOLTAIC PRODUC AS THE ROOF COVERING SHALL BE TESTED, LIST LABELED FOR FIRE CLASSIFICATION IN ACCORDA SECTION R902.1 THROUGH R902.1.4.
- ASPHALT SHINGLES SHALL BE USED ONLY ON RO TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL ( SLOPE) OR GREATER. FOR ROOF SLOPES FROM VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL SLOPE), DOUBLE UNDERLAYMENT APPLICATION ACCORDANCE WITH SECTION R905.1.1.
- CLAY AND CONCRETE ROOF TILE SHALL BE INST. SLOPES OF TWO AND ONE-HALF UNITS VERTICAL HORIZONTAL (25-PERCENT SLOPE) OR GREATER SLOPES FROM TWO AND ONE-HALF UNITS VERTI HORIZONTAL (25-PERCENT SLOPE) TO FOUR UNI 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOU UNDERLAYMENT APPLICATION IS REQUIRED IN A WITH SECTION R905.3.3.

NOTES		ROOF NOTES (CONTINUED)	
FLOORS SOIL R THIS	7.	SLATE SHINGLES SHALL BE USED ONLY ON SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER.	
K BASE OF VIDED WITH H CONCRETE, ESS	8.	THE MINIMUM SLOPE FOR STANDING-SEAM ROOF SYSTEMS SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE).	
ED. INTO THE 4) PE OF FOOTING	9.	BUILT-UP ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE, EXCEPT FOR COAL-TAR BUILT-UP ROOFS, WHICH SHALL HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL	
OOTING DETAIL D FOUNDATION	10.	(1-PERCENT SLOPE). MINERAL-SURFACED ROLL ROOFING SHALL NOT BE APPLIED ON ROOF SLOPES BELOW ONE UNIT VERTICAL IN 12 UNITS	
SLABS UNDER RCED WITH WIRE R EQUIVALENT 3/8 MINIMUM	11.	HORIZONTAL (8-PERCENT SLOPE). MODIFIED BITUMEN ROOFING SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS	
E FROM SOIL R WITH JOINTS AS. A	12.	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 HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE.	
VAPOR TES	13.	A CLASS A WUI COMPLIANT ROOF ASSEMBLY SHALL BE INSTALLED PER THE FOLLOWING:	
O EARTH OF 4		A. ROOF COVERING SHALL COMPLY WITH 2022 CRC R337.5.2.UNDERLAYMENT SHALL BE ONE LAYER OF OF MINIMUM 72 POUND MINERAL-SURFACEDN ON PERFORATED CAP SHEET COMPLYING WITH ASTM D3909 INSTALLED OVER THE	
SONRY STONE ST COURSE OF IMEDIATELY .8.6) BOLTS ECT)		COMBUSTIBLE DECKING. B. ROOF VALLEYS SHALL COMPLY WITH 2022 CRC R337.5.3. VALLEY FLASHING SHALL BE NOT LESS THAN 26 GAGE GALVANIZED SHEET CORROSIVE RESISTANT METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MINIMUM 72 POUND MINERAL-SURFACED NON PERFORATED CAP SHEET	
D SHALL BE ÓF AINLESS CBC		COMPLYING WITH ASTM D3909, AT LEAST 36 INCHES WIDE RUNNING THE FULL LENGTH OF THE VALLEY. C. ROOF GUTTERS SHALL COMPLY WITH 2022 CRC R337.5.4 AND BE OF NON-COMBUSTIBLE MATERIAL [PMC 15.03.070]. ROOF	
SHERS A MIN. ND NUT. (CRC E METHOD		GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER. D. WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED	
ATURAL ATURAL ASEMENTS		RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY	
TAL PEDESTALS SISTANCE TO 1" ABOVE H IS COVERED RIER. (CRC		OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6.1 THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THRU THE VENTILATION	
EXCAVATED E BUILDING SISTANCE TO A CONCRETE		OPENINGS. (R337.6.1) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED BY COMPLYING WITH	
ORE <u>AND</u> THE RE BARRIER. OR METAL		ALL OF THE FOLLOWING REQUIREMENTS i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST. ii. THERE SHALL BE NO FLAMING IGNITION DURING THE	
OVE A TH. (CRC R317.1)		INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. iii. THE MAX. TEMP. OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662° (350°C). (R337.6.2)	
VE CONNECTION T AND LATERAL	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	
DING & INTO DRROSION		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.	
OOR LEVELS, & K AT SOFFITS, EALED SPACES C R302.11)	15.	PER SECTION R806.5/EM3.9.6: a. IF INSULATION IS AIR PERMEABLE AND IT IS INSTALLED DIRECTLY BELOW THE ROOF SHEATHING WITH RIGID BOARD OR SHEET INSULATION WITH A MINIMUM R-4 VALUE INSTALLED ABOVE THE ROOM SHEATHING. (OR)	
HAT PREVENTS F THROUGH EABLE		<ul> <li>b. IF THE INSULATION IS AIR-IMPERMEABLE AND IS IN DIRECT</li> <li>CONTACT WITH THE UNDERSIDE OF THE OF THE ROOF</li> <li>SHEATHING. (OR)</li> <li>c. IF TWO LAYERS OF INSULATION ARE INSTALLED BELOW THE</li> <li>ROOF SHEATHING:</li> </ul>	
PET WALLS AND ANE. OOF EDGES, ROOF		AN AIR-IMPERMEABLE LAYER IN DIRECT CONTACT WITH THE UNDERSIDE OF THE ROOF SHEATHING AND AN ADDITIONAL LAYER OF AIR PERMEABLE INSULATION IS TO BE INSTALLED DIRECTLY UNDER THE AIR-IMPERMEABLE INSULATION.	
IT OF ROOF. AT ARE BUILDING OR PLIED. TS INSTALLED	16.	PROVIDE ATTIC CROSS VENTILATION: 1/150 OF ATTIC AREA OR 1/300 WITH AT LEAST 40% BUT NOT MORE THAN 50% OF VENTS ARE A MAXIMUM 3 FT. BELOW THE RIDGE OR HIGHEST SPACE IN THE ATTIC AND THE BALANCE IS PROVIDED IN THE LOWER THIRD OF THE ATTIC SPACE (NOT LIMITED TO EAVES OR CORNICE	
ED AND NCE WITH DOF SLOPES OF	17.	VENTS). BAFFLES ARE REQUIRED AT VENTS FOR INSULATION. PROVIDE MINIMUM OF 1" INCH OF AIR SPACE BETWEEN INSULATION AND ROOF SHEATHING. (CRC R806.2) ENCLOSED RAFTER SPACES SHALL HAVE A 1-INCH CLEAR CROSS	
17-PERCENT TWO UNITS SLOPE) UP TO	18.	VENTILATION. (PROPERLY SIZED RAFTERS FOR INSULATION) (CRC R806.1) ROOF SHEATHING CAN ONLY CANTILEVER 9 INCHES BEYOND A	
(33-PERCENT IS REQUIRED IN ALLED ON ROOF	19.	GABLE END WALL UNLESS SUPPORTED BY OVERHANG FRAMING. (CRC 803.2.3) PROVIDE A MINIMUM 22" X 30" ACCESS OPENING TO ATTIC (CRC R807.1); MAY BE REQUIRED TO BE 30"X30" TO REMOVE THE	
. IN 12 UNITS FOR ROOF CAL IN 12 UNITS	20.	LARGEST PIECE OF MECHANICAL EQUIPMENT PER THE CALIFORNIA MECHANICAL CODE. ROOF DRAINS/GUTTERS REQUIRED TO BE INSTALLED PER THE	
TS VERTICAL IN JBLE CCORDANCE	21.	CALIFORNIA PLUMBING CODE WITH LEAF/ DEBRIS NONCOMBUSTIBLE PROTECTION ALSO INSTALLED. ROOF CONSTRUCTION AND COVERINGS SHALL COMPLY WITH CRC CHAPTERS 8, 9 AND LOCAL ORDINANCE. ALL ROOFING	

SHALL BE TESTED/LISTED CLASS A MINIMUM.

# FLOOR PLAN NOTES

- ALL DIMENSIONS TO FACE OF STUD, U.N.O.
- ALL DOORS SHOULD BE 3 1/2" FROM NEAREST I WALL AT HINGED SIDE, U.N.O.
- WRITTEN DIMENSIONS TO PREVAIL OVER SCALI DRAWINGS. CONTRACTOR TO VERIFY ALL DIM. CONSTRUCTION AND IMMEDIATELY NOTIFY OWN DISCREPANCIES.
- REFER TO FRAMING PLANS AND SECTIONS FOR AND DIM. NOT SHOWN .
- TRANSITION OF FLOOR MATERIALS OCCURRING WITH DOORS TO BE LOCATED UNDER THE CENT DOOR IN THE CLOSED POSITION. TRANSITION O MATERIAL OCCURRING WITH NO DOOR TO BE LO ALIGN WITH THE FACE OF THE PARTITION, U.O.N
- DIFFUSERS AND GRILLS TO MATCH COLOR OF S WHICH THEY ARE MOUNTED, U.O.N.
- FLOOR FINISH TO CONTINUE UNDER MILLWORK IS VISIBLE (I.E. TRASH, RECYCLING, ECT.) 8. SILI GLAZING TO BE CLEAR, U.O.N.
- PLUMBING, ELECTRICAL, AND SPRINKLER EQUIP 8 REQUIRED TO BE PAINTED TO MATCH COLOR OF SURFACE.
- ALL FINISH MATERIAL MUST MEET ALL APPLICA SAFETY, AND BUILDING CODES. 80% OF FLOOR RESILIENT FLOORING SHALL COMPLY WITH SPE CRITERIA. PARTICLE BOARD, MDF AND PLYWOOI INTERIOR FINISH SYSTEMS SHALL COMPLY WITH FORMALDEHYDE EMISSION STANDARDS.
- 65 % OF CONSTRUCTION WASTE IS TO BE RECY 10. OF INERT MATERIALS ARE RECYCLED SALVAGE
- 11. VOC'S MUST COMPLY WITH THE LIMITATION LIST 4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND ADHESIVES, PAINTS, STAINS, CAULKS AND COAT AND COMPOSITION WOOD PRODUCTS.DOCUMER BE PROVIDED TO VERIFY THAT COMPLIANT VOC MATERIALS HAVE BEEN USED.
- MOISTURE CONTENT OF WOOD SHALL NOT EXCI IT IS ENCLOSED IN CONSTRUCTION. THE MOIST NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS BUILDING MATERIAL WITH VISIBLE SIGNS OF WA 13 SHOULD NOT BE USED IN CONSTRUCTION. THE
- CONTENT MUST BE DETERMINED BY THE CONTF OF THE LISTED METHODS LISTED IN CGC SECTI
- 14. AT LEAST ONE EGRESS DOOR SHALL BE PROVID DWELLING UNIT, THE EGRESS DOOR SHALL BE S WITH A MINIMUM OPENABLE WIDTH OF 32 INCHE CLEAR OPENABLE HEIGHT SHALL BE 78 INCHES DOORS SHALL NOT BE REQUIRED TO COMPLY W DIMENSIONS). EGRESS DOORS SHALL BE READII FROM THE INSIDE WITHOUT THE USE OF A KEY, KNOWLEDGE, OR EFFORT. (CRC R311.2)
- 15. PROVIDE LANDINGS AND A PORCH LIGHT AT ALL DOORS. LANDINGS ARE TO BE MINIMUM 3 FT DEE DOOR. LANDINGS AT REQUIRED EGRESS DOORS DOWN A MAXIMUM OF 7.75 INCHES WHEN THE DO SWING OVER THE LANDING AND 1.5 INCHES WHE ONTO THE LANDING. OTHER THAN REQUIRED EX DOORS MAY HAVE A THRESHOLD OF 7.75 INCHE LANDING IS NOT REQUIRED IF A STAIR WITH TWO RISERS IS LOCATED ON THE EXTERIOR SIDE AND DOES NOT SWING OVER THE STAIRWAY, (CRC R
- NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION DESIGNED FOR AGING-IN-PLACE DESIGN AND FAI **PER R327**

A) AT LEAST ONE BATHROOM ON THE ENTRY LEV PROVIDED WITH GRAB BAR REINFORCEMENT INS THERE IS NO BATHROOM ON THE ENTRY LEVEL. BATHROOM ON THE SECOND OR THIRD FLOOR ( SHALL COMPLY WITH THIS SECTION.

B) REINFORCEMENT SHALL BE SOLID LUMBER OF CONSTRUCTION MATERIALS APPROVED BY THE AGENCY.

C) REINFORCEMENT SHALL NOT BE LESS THAN 2 NOMINAL LUMBER. REINFORCEMENT SHALL BE BETWEEN 32 INCHES AND 39-1/4 INCHES ABOVE FLOOR FLUSH WITH THE WALL FRAMING.

D) WATER CLOSET REINFORCEMENT SHALL BE BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE BACK WALL

E) SHOWER REINFORCEMENT SHALL BE CONTINU WALL FRAMING IS PROVIDED.

F) BATHTUB AND COMBINATION BATHTUB/SHOWI REINFORCEMENT SHALL BE CONTINUOUS ON EA BATHTUB AND THE BACK WALL. ADDITIONALLY, E REINFORCEMENT FOR A LOWER GRAB BAR SHAL WITH THE BOTTOM EDGE LOCATED NO MORE TH ABOVE THE BATHTUB RIM.

INFORMATION IDENTIFYING THE LOCATION OF T REINFORCEMENT SHALL BE PLACED IN THE OPER MAINTENANCE MANUAL. (CRC R327.1.1)

\* EFFIECTIVE JULY 1ST, 2024, AT LEAST ONE AND ONE BEDROOM ON THE ENTRY LEVEL SHAL DOORWAY WITH A NET CLEAR OPENING OF NOT INCHES MEASURED WITH THE DOOR OPEN AT A ANGLE. (CRC R327.1.3)

DOORBELL BUTTONS SHALL BE INSTALLED NOT ABOVE THE FINISHED FLOOR MEASURED TO THE BUTTON. (CRC R327.1.4)

		0
NTERSECTING	<ul> <li>FLOOR PLAN NOTES (CONTINUED)</li> <li>18. PROVIDE EACH BEDROOM, BASEMENT, AND HABITABLE ATTICS WITH A MINIMUM OF ONE EXTERIOR WINDOW WITH A 44" MAXIMUM CLEAR OPENING HEIGHT, 5.7 SQ. FT. MINIMUM CLEAR OPENABLE AREA (MINIMUM 5.0 SQ. FT. AT GRADE FLOOR</li> </ul>	
NG OF PRIOR TO NER OF ANY	OPENINGS), 24" MINIMUM CLEAR OPENABLE HEIGHT AND 20" MINIMUM CLEAR WIDTH, OR AN OPENABLE EXTERIOR EXIT DOOR. (CRC R310.2.1 AND CRC R310.2.2) WINDOW WELLS, LADDERS, AND	
	STEPS SHALL COMPLY WITH CRC R310.2.3. BARS, GRILLES, COVERS, ANDS SCREENS SHALL BE RELEASABLE OR RE- MOVABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE, OR FORCE GREATER THAN 15LBS TO	
G IN OPENINGS TER OF THE F FLOOR DCATED TO	OPERATE THE EMERGENCY ESCAPE AND RESCUE OPENINGS. (CRC R310.4.4) PHOTOVOLTAIC PANELS & MODULES SHALL NOT BE BELOW AN EMERGENCY ESCAPE AND RESCUE OPENING	A A A
N SURFACE AT	WITHIN 36". (R324.6.3)	
WHERE FLOOR CON SEALANT AT	GREEN BUILDING NOTES	
PMENT, IF F ADJACENT FION FIRE, LIFE AREA RECEIVING CIFIED VOC D USED IN H LOW	<ol> <li>PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL AND ARE NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION, 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 (CGBSC 4.106.2):</li> <li>RETENTION BASINS OF SUFFICIENT SIZE SHALL BE UTILIZED TO RETAIN STORM WATER ON SITE</li> <li>WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, COLLECTION POINT, GUTTER, OR</li> </ol>	BY USING THESE P DOCUMENTS, THE F ACCEPTS AND VOLI FOLLOWING CONDITI 1. THE USE OF THI RESTRICTED TO THI IT WAS PREPARED ACCESSORY DWELLI THE TOWN OF PAR SET OF STANDARDI
CLED AND 100% D,COMPOSTED . ED IN SECTION 4.504.4 FOR:	SIMILAR DISPOSAL METHOD, WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER METHOD APPROVED BY THE ENFORCING AGENCY.	SPECIFICATIONS AP PARADISE BUILDING DO CHANGE OVER ENSURE FULL COM THEN IN EFFECT A PERMIT. THIS DOES
INGS, CARPET NTATION SHALL LIMIT FINISHED	<ul> <li>2. ALL NEW RESIDENTIAL CONSTRUCTION WITH ATTACHED PRIVATE GARAGES SHALL HAVE THE FOLLOWING FOR ELECTRIC VEHICLE (EV) CHARGING STATIONS (CGBSC 4.106.4):</li> <li>INSTALL A MINIMUM 1-INCH CONDUIT CAPABLE OF</li> </ul>	RECIPIENT'S RESPO ALL INFORMATION F WORK AND RESPON DESIGN PATH STUD FOR TRANSLATION CONSTRUCTION DOO EXPIRED OR IS REV
EED 19% BEFORE JRE CONTENT S SPECIFIED. TER DAMAGE MOISTURE RACTOR BY ONE ON 4.503.3	<ul> <li>SUPPLYING A 208/240V BRANCH CIRCUIT TO A SUITABLE BOX LOCATION FOR EV CHARGING. THE OTHER END SHALL TERMINATE TO THE MAIN SERVICE AND/OR SUBPANEL.</li> <li>THE MAIN PANEL AND/OR SUBPANEL SHALL BE OF SUFFICIENT SIZE TO INSTALL A 40-AMPERE DEDICATED BRANCH CIRCUIT. THE DEDICATED OVERCURRENT PROTECTION SPACE SHALL BE LABELED "EV CAPABLE".</li> </ul>	2. THE RECIPIENT I THAT THE USE OF THEIR SOLE RISK A LEGAL EXPOSURE T WARRANTIES OF AN OR IMPLIED, SHALL AND THE INFORMAT USE, REUSE, OR AI DOCUMENTS BY TH WILL BE AT THE RE LEGAL RESPONSIBIL RECIPIENT WILL, TO PERMITTED BY LAW
DED FOR EACH BIDE HINGED S; THE MINIMUM MINIMUM (OTHER MINIMUM (OTHER TH THESE Y OPENABLE SPECIAL	<ol> <li>MULTIPLE SHOWER HEADS SERVING A SINGLE SHOWER SHALL HAVE A COMBINED FLOW RATE OF 1.8 GPM OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME. (CGBSC 4.303.1.3.2)</li> <li>AT TIME OF FINAL INSPECTION, A BUILDING OPERATION AND MAINTENANCE MANUAL, COMPACT DISC, ETC SHALL BE</li> </ol>	DESIGN PATH STUD HARMLESS FROM A LIABILITY, DEMANDS ARISING OUT OF OI USE OF THESE CC OR ON ACCOUNT C OR LOSS TO PERSO CONSEQUENTIAL DA INDEMNITY DOES NO NEGLIGENCE OR WIL PATH STUDIO OR I 3. THE DESIGNS RE
EXTERIOR EP X WIDTH OF MAY STEP OOR DOES NOT EN DOOR SWINGS (TERIOR EXIT S MAXIMUM; A D OR FEWER D THE DOOR 311.3-R311.3.2) ON SHALL BE ALL PREVENTION VEL SHALL BE STALLED. WHERE	<ul> <li>PROVIDED CONTAINING THE FOLLOWING: (CGBSC 4.410.1)</li> <li>DIRECTIONS THAT MANUAL SHALL REMAIN ONSITE FOR THE LIFE OF THE BUILDING</li> <li>OPERATION AND MAINTENANCE INSTRUCTIONS FOR EQUIPMENT, APPLIANCES, ROOF/YARD DRAIN- AGE, IRRIGATION SYSTEMS, ETC.</li> <li>INFORMATION FROM LOCAL UTILITY, WATER AND WASTE RECOVERY PROVIDERS</li> <li>PUBLIC TRANSPORTATION AND CARPOOL OPTIONS</li> <li>MATERIAL REGARDING IMPORTANCE OF KEEPING HUMIDITY LEVELS BETWEEN 30-60 PERCENT</li> <li>INFORMATION REGARDING ROUTINE MAINTENANCE PROCEDURES</li> <li>STATE SOLAR ENERGY INCENTIVE PROGRAM INFORMATION</li> <li>A COPY OF ANY REQUIRED SPECIAL INSPECTION VERIFICATIONS THAT WERE REQUIRED (IF ANY)</li> </ul>	ARE COPYRIGHTED COPYRIGHT PROTEC 4. IF THE RECIPIEN ABOVE CONDITIONS CONSTRUCTION OF IMPROVEMENT UND
AT LEAST ONE OF THE DWELLING	5. THE PROJECT SHALL MEET MINIMUM POLLUTANT CONTROL REQUIREMENTS FOR ADHESIVES, SEAL- ANTS, CAULKS, PAINTS, CARPET, RESILIENT FLOORING SYSTEMS, ETC. (CGBSC 4.504.2.1)	Town of I Pre-Appr
R OTHER ENFORCING 2 X 8 INCH OCATED	6. DUCT OPENINGS RELATED TO HVAC SYSTEMS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS TO REDUCE THE AMOUNT OF WATER, DUST AND DEBRIS WHICH MAY ENTER THE SYSTEM. (CGBSC 4.504.1)	ADU Pro
THE FINISHED NSTALLED ON E WALL AND THE		
UOUS WHERE		$\Delta$
ER ACH END OF THE BACK WALL LL BE PROVIDED IAN 6 INCHES		description
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S INFORMATION IS ORIGINAL PROJECT FOR WHICH FOR THE PERMIT READY ING UNIT (ADU) PROGRAM FOR dise only. This is a limited ZED ADU PLANS AND PROVED BY THE TOWN O DEPARTMENT. BUILDING CODES TIME AND RECIPIENT SHALL LIANCE UNDER ALL CODES THE TIME OF THE SUBJECT NOT ELIMINATE OR REDUCE THE NSIBILITY TO VERIFY ANY AND RELEVANT TO THE RECIPIENT'S SIBILITY ON THIS PROJECT. IO SHALL NOT BE RESPONSIBL ERRORS. DO NOT USE THESE CUMENTS IF THE PERMIT HAS VOKED AT ALL. RECOGNIZES AND ACKNOWLEDGES THIS INFORMATION WILL BE AT AND WITHOUT ANY LIABILITY OR TO DESIGN PATH STUDIO, NO NY NATURE, WHETHER EXPRESS ATTACH TO THESE DOCUMENTS ION CONTAINED THEREON. ANY TERATION OF THESE RECIPIENT OR BY OTHERS CIPIENT'S RISK AND FULL ITY. FURTHERMORE, THE THE FULLEST EXTENT DEFEND, INDEMNIFY AND HOLD IO AND ITS ARCHITECTS NY AND ALL CLAIMS, SUITS, JUDGMENTS, OR COSTS RESULTING THERE FROM AN ONSTRUCTION DOCUMENTS FOR F ANY INJURY, DEATH, DAMAGE ONS OR PROPERTY, DIRECT OR MAGES IN ANY AMOUNT. THIS T APPLY TO THE SOLE LLFUL MISCONDUCT OF DESIGN TS ARCHITECTS. EPRESENTED BY THESE PLANS AND ARE SUBJECT TO T DOES NOT AGREE WITH THE DO NOT PROCEED WITH F AN ADU OR OTHER DER THESE PLANS AT ALL.

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### PLUMBING / MECHANICAL NOTES

	PLUMBING / MECHANICAL NOTES	F
1.	GAS VENTS PASSING THROUGH AN INSULATED ASSEMBLY SHALL HAVE A METAL INSULATION SHIELD A MINIMUM 2" ABOVE INSULATION. (CMC 802.6.1.1)	26. 27.
2.	WHERE WATER CLOSET COMPARTMENT IS INDEPENDENT OF THE BATHROOM OR SHOWER AREA, A FAN WILL BE REQ. IN EACH AREA. BATHROOMS SHALL HAVE AN EXHAUST FAN WITH HUMIDITY CONTROL SENSOR, MIN. 50 CFM CAPACITY. (CRC R303.3.)	
3.	ROOMS CONTAINING BATHTUBS, SHOWERS, SPAS AND SIMILAR FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH HUMIDITY CONTROL SENSOR HAVING A MIN. CAPACITY OF 50 CFM DUCTED TO TERMINATE OUTSIDE THE BLDG. (CRC R303.3, CAL GREEN 4.505.1, CBC 1203 .5.2.1, CMC 402.5	28. 29.
4.	SUPPLY AND RETURN AIR DUCTS TO BE INSULATED AT A MIN. OF R-6. (CAL ENERGY CODE TABLE 150.1-A)	30.
5. 6.	WHERE WHOLE HOUSE FANS ARE USED IN BATHROOM AREAS, THE FAN MUST RUN CONTINUOUSLY AND SHALL NOT BE TIED TO HUMIDITY CONTROL SENSOR. (CAL GREEN 4.506.1) ENVIRONMENTAL AIR DUCTS SHALL TERMINATE MIN. 3 FEET FROM PROPERTY LINE OR OPENINGS INTO BLDG., AND 10' FROM A FORCED AIR INLET, 3' TO OPENINGS INTO THE BUILDING AND SHALL NOT DISCHARGE ON TO A PUBLIC WAY. (CMC 502.2.1)	
7. 8.	ALL HOSE BIBS ARE TO HAVE VACUUM BREAKERS. (CPC603.5.7) THE MAX. AMOUNT OF WATER CLOSETS ON A 3"	
9.	HORIZONTAL DRAINAGE SYSTEM LINE IS 3 (CPC TABLE 703.2) THE MAX. AMOUNT OF WATER CLOSETS ON A 3" VERTICAL	31.
9. 10.	DRAINAGE LINE IS 4. (CPC TABLE 703.2) A 3-INCH GRAVITY DRAIN SHALL BE PROVIDED AT THE LOW POINT OF THE SPACE, INSTALLED WHICH PROVIDES 1/4-INCH PER FOOT GRADE AND TERMINATE AT AN EXTERIOR POINT OF THE BUILDING PROTECTED FROM BLOCKAGE. THE OPENING SHALL BE SCREENED WITH A CORROSION- RESISTANT WIRE	
11.	MESH WITH MESH OPENINGS OF 1/4-INCH IN DIMENSION. LENGTHS OF THE GRAVITY DRAINS OVER 10 FEET IN LENGTH SHALL BE FIRST APPROVED BY THE BUILDING OFFICIAL. (L-V 8.8) SHOW LOCATION AND SIZE OF THE WATER HEATER ON PLANS.	32.
	PROVIDE PRESSURE RELIEF VALVE WITH DRAIN TO OUTSIDE FOR WATER HEATER. (CPC 504.6) PROVIDE SEISMIC STRAPPING IN	33.
	THE UPPER & LOWER THIRD OF THE WATER HEATER A MINIMUM OF 4" ABOVE CONTROLS. (CPC 507.2) THE WATER HEATER SHALL	34.
	<ul> <li>BE OF AN INSTANTANEOUS TYPE, OR THE FOLLOWING SHALL BE</li> <li>PROVIDED (NEW CONSTRUCTION ONLY) (CEC 150(N)):</li> <li>A 120V RECEPTACLES PROVIDED WITHIN 3FT</li> <li>A CATEGORY III OR IV VENT, OR A STRAIGHT (WITHOUT BENDS) TYPE B VENT</li> </ul>	35.
	<ul> <li>CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE WATER HEATER</li> </ul>	
	GAS SUPPLY LINE WITH A MINIMUM 200,000 BTU/HR     DEDICATED CAPACITY FOR THE WATER HEATER	36.
	A DEDICATED 120/240, 3 WIRE CIRCUIT WITH 10AWG WIRE     TO A RECEPTACLE OUT- LET WITHIN 3' OF THE WATER     HEATER. THE UNUSED CONDUCTOR SHALL BE     ELECTRICALLY ISOLATED AND HAVE A RESERVED CIRCUIT	37.
	BREAKER SPACE. BOTH ENDS OF THE CONDUCTOR SHALL BE LABELED "SPARE" AND BE ELECTRICALLY ISOLATED. A	
40	RESERVE SINGLE-POLE CIRCUIT BREAKER SPACE NEAR THIS CIRCUIT LABELED "FUTURE 240V USE." (CEC 150.0(N))	1.
12.	DOMESTIC HOT WATER LINES SHALL BE INSULATED. INSULATION SHALL BE THE THICKNESS OF THE PIPE DIAMETER UP TO 2" IN SIZE AND MINIMUM 2" THICKNESS FOR PIPES LARGER THAN 2" IN DIAMETER. (CPC 609.12)	
13.	ISOLATION VALVES ARE REQ. FOR TANKLESS WATER HEATERS ON THE HOT AND COLD SUPPLY LINES WITH HOSE BIBS ON EACH VALVE, TO FLUSH THE HEAT EXCHANGER. (CAL ENERGY	
14.	CODE 110.3(7). EXHAUST DUCTS AND DRYER VENTS SHALL BE EQUIPPED WITH	2.
	BACK DRAFT DAMPERS. EXHAUST OPENINGS TERMINATING TO THE OUTDOORS SHALL BE COVERED WITH A CORROSION RESISTANT SCREEN 1/4"-1/2" IN OPENING SIZE (NOT REQUIRED FOR CLOTHES DRYERS). (CMC 502.1)	
15. 16.	ALL EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEMS. (CENC 150(K) 2B) PLUMBING FIXTURES AND FITTINGS INSTALLED IN RESIDENTIAL	
	BUILDINGS SHALL COMPLY WITH THE PRESCRIPTIVE REQ. OF SECTIONS 4.303.1.1 THROUGH 4.303.1.4.4.	3.
17.	PLUMBING FIXTURES AND FITTINGS REQ. IN SECTION 4.303.1 SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE AND SHALL MEET THE THE APPLICABLE REFERENCE STANDARDS.	4.
18.	EACH BATHROOM CONTAINING A BATHTUB, SHOWER OR TUB/SHOWER COMBINATION SHALL BE MECHANICALLY VENTILATED WITH ENERGY STAR APPROVED EQUIPMENT (MINIMUM 50CFM) WITH AN INTEGRAL HUMIDISTAT INSTALLED.	
19.	(CRC R303.3.1) DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE	
20.	COVERED. CGC 4.504.1 FUTURE WATER HEATERS AND PLUMBING FIXTURES SHALL MEET THE REQUIREMENTS OF SECTION 2-5314 AND TABLE 2-53G, TITLE 24, C.A.C.	5. 6.
21.	PROVIDE COMBUSTION AIR FOR ALL GAS FIRED APPLIANCES PER CMC CHAPTER 7.	
22.	GAS WATER HEATER AND FURNACE ARE NOT ALLOWED IN AREAS OPENING INTO BATHROOMS, CLOSETS OR BEDROOMS UNLESS INSTALLED IN A CLOSET EQUIPPED WITH A LISTED	7.
	GASKETED DOOR ASSEMBLY AND A LISTED SELF-CLOSING DEVICE WITH ALL COMBUSTION AIR OBTAINED FROM THE OUTDOORS. (CPC 504)	8.
23.	VENT DRYER TO OUTSIDE OF BUILDING. VENT LENGTH SHALL BE 14 FT. MAXIMUM. SHALL TERMINATE A MINIMUM OF 3' FROM THE PROPERTY LINE AND ANY OPENING INTO THE BUILDING.	

THE PROPERTY LINE AND ANY OPENING INTO THE BUILDING. (CMC 504.4.2)
24. PROVIDE MINIMUM 100 SQUARE INCHES MAKE-UP AIR FOR CLOTHES DRYERS INSTALLED IN CLOS- ETS. (CMC 504.4.1(1))
25. HEATING SYSTEM IS REQUIRED TO MAINTAIN 68 DEGREES AT 3 FT. ABOVE FLOOR LEVEL AND 2FT FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS. (CRC R303.10)

### PLUMBING / MECHANICAL NOTES

- KITCHEN SINKS REQUIRE A CLEANOUT ABOVE LEVEL OF THE LOWEST FLOOR OF THE BUILDIN
- ABS PIPING SHALL NOT BE EXPOSED TO DIREC UNLESS PROTECTED BY WATER BASED SYNTH PAINTS. (CPC 906.1) PVC PIPING SHALL NOT BE DIRECT SUNLIGHT UNLESS PROTECTED BY WA SYNTHETIC LATEX PAINT, .04" THICK WRAP OR PROTECTED FROM UV DEGRADATION. (CPC 605 8. UNDERGROUND WATER SUPPLY LINES SHALL F
- BLUE TRACER WIRE. (CPC 604.10.1)
- THE ENTIRE FLOOR SPACE IN A ROOM CONTAIN WITHOUT THRESHOLDS SHALL BE CONSIDERED LOCATION" WHEN USING THE CRC, CBC, AND TH 408.5)
- SHOWER COMPARTMENTS, REGARDLESS OF SH HAVE A MINIMUM FINISHED INTERIOR OF 1024 Si (32" BY 32") AND SHALL ALSO BE CAPABLE OF EN 30" CIRCLE. THE REQUIRED AREA AND DIMENSION MEASURED AT A HEIGHT EQUAL TO THE TOP OF THRESHOLD AND SHALL BE MAINTAINED TO A P LESS THAN 70" ABOVE THE SHOWER DRAIN OUT PROVIDE CURTAIN ROD OR DOOR A MINIMUM O (CPC 408.5) SHOWERS AND TUBS WITH SHOWEF NON- ABSORBENT SURFACE UP TO 6' ABOVE TH R307.2) MINIMUM SHOWER RECEPTOR SLOPE IS (408.5)
- ISOLATION WATER VALVES REQUIRED FOR INST WATER HEATERS 6.8KBTU/HR AND ABOVE. VALV INSTALLED ON BOTH COLD AND HOT WATER LIN WILL NEED A HOSE BIB OR OTHER FITTING ALLO FLUSHING THE WATER HEATER WHEN THE VALV CLOSED. (CEC 110.3(C)6) 13. WATER CLOSET SH IN A SPACE NOT LESS THAN 30" IN WIDTH (15" O AND 24" MINIMUM CLEARANCE IN FRONT. (CPC 4
- INDICATE ON THE PLANS THAT THE MAXIMUM F TEMPERATURE DISCHARGING FROM A BATHTU BATHTUB FILLER SHALL NOT EXCEED 120 DEGF 408.3.2)
- PROVIDE ANTI-SIPHON VALVES ON ALL HOSE BI FLOOR DRAINS SHALL BE PROVIDED WITH A TR 1007)
- CLEARLY LABEL ON THE PLANS THE MAXIMUM RATES PER THE (CGBSC 4.303.1):
- WATER CLOSETS: 1.28GPF
- URINALS: .125GPF
  KITCHEN FAUCETS: 1.8GPM @ 60PSI
- LAVATORY FAUCETS: 1.2GPM @ 60PSI
- WATER CLOSET SHALL BE LOCATED IN A SPACE
   30" IN WIDTH (15" ON EACH SIDE) AND 24" MINIM
   IN FRONT. (CPC 402.5)
- 7. A MINIMUM 110 CFM HOOD OVER ELECTRICAL F MINIMUM 180 CFM HOOD OVER NATURAL GAS R AIR QUALITY FAN IS REQUIRED IN THE KITCHEN HERS VERIFIED.

# ELECTRICAL NOTES

- ALL 15/20 AMPERE RECEPTACLES INSTALLED PE INCLUDING ATTACHED AND DETACHED GARAGE ACCESSORY BUILDINGS SHALL BE LISTED TAMF RECEPTACLES. (CEC 406.12) RECEPTACLE OUTL WILL COMPLY WITH CEC ARTICLE 210.52. & CRC R327.1.2. TAMPER RESISTANT RECEPTACLE OUT SHALL COMPLY W/ NEC ART. 210-52 AND 550.13 RECEPTACLES IN A DWELLING).
- ALL BRANCH CIRCUITS SUPPLYING 15/20 AMPER ROOMS DESCRIBED IN NEC 210.12(A): FAMILY RO ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, D BEDROOMS, SUNROOMS, RECREATION ROOMS, HALLWAYS, KITCHENS, LAUNDRY ROOM OR SIM ROOMS/AREAS SHALL BE PROTECTED BY A LIST COMBINATION TYPE ARC-FAULT CIRCUIT INTERF 210.12). THERE ARE TO BE A MINIMUM OF 2 SMA BRANCH CIRCUITS WITHIN THESE AREAS CEC 2 BATHROOM CIRCUITING SHALL BE EITHER:
- a) A 20 AMPERE CIRCUIT DEDICATED TO EACH BA b) AT LEAST ONE 20 AMPERE CIRCUIT SUPPLYING BATHROOM RECEPTACLE OUTLETS PER NEC AF
- GFCI OUTLETS ARE REQUIRED: FOR ALL KITCHE THAT ARE DESIGNED TO SERVE COUN- TERTOP DISHWASHERS, BATHROOMS, IN UNDER-FLOOR BELOW GRADE LEVEL, IN UNFINISHED BASEMEN SPACE LIGHTING OUTLETS, IN EXTERIOR OUTLE A LAUNDRY/UTILITY/WET BAR SINKS, INDOOR DA MUD ROOMS, FINISHED BASEMENTS, LAUNDRY ALL GARAGE OUTLETS INCLUDING OUTLETS DE SINGLE DEVICE OR GARAGE DOOR OPENER. (CE
- WEATHER RESISTANT TYPE FOR RECEPTACLES DAMP OR WET LOCATIONS (OUTSIDE) NEC 406.4 PER LIGHTING MEASURES 150(K)4 N T-24, THE BEDROOMS, HALLWAY, LIVING ROOM AND OFFIC REQUIRED TO HAVE ANY INSTALLED FIXTURE T BE ON A DIMMER SWITCH OR THE FIXTURE NEE BE HIGH EFFICACY.
- OUTDOOR LIGHTING FIXTURES ARE REQUIRED T EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.
- RECEPTACLES SHALL BE INSTALLED AT 12' O.C. WALLS STARTING AT 6' MAXIMUM FROM THE WA LONGER THAN TWO FEET SHALL HAVE A RECEF HALLWAY WALLS LONGER THAN 10 FT SHALL HA RECEPTACLE IN HALLWAYS. (CEC 210.52(A))
- 8.1. SURGE PROTECTION DEVICE (SPD) REQUIRED F SERVICES SUPPLYING DWELLING UNITS. THE SF INTEGRAL PART OF THE SERVICE EQUIPMENT C LOCATED IMMEDIATELY ADJACENT THERETO. T BE A TYPE 1 OR TYPE 2 SPD. [CEC 230.67]

S (CONT'D)			
VE THE FLOOR _DING.	9.	SMOKE ALARMS SHALL BE INSTALLED (CRC (R314.3): IN EACH ROOM USED FOR SLEEPING PURPOSES.	25
RECT SUNLIGHT		OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE	
NTHETIC LATEX		IMMEDIATE VICINITY OF BEDROOMS. IN EACH STORY, INCLUDING BASEMENTS.	
WATER BASED		AT THE TOP OF STAIRWAYS BETWEEN HABITABLE FLOORS	
OR OTHERWISE \$605.12)		WHERE AN INTERVENING DOOR OR OBSTRUCTION PREVENTS SMOKE FROM REACHING THE SMOKE DETECTOR.	
LL HAVE A 14 AWG		SHALL NOT BE INSTALLED WITHIN 20FT HORIZONTALLY OF	
		COOKING APPLIANCES AND NO CLOSER THAN 3FT TO MECHANICAL REGISTERS, CEILING FANS AND BATHROOM	
TAINING A SHOWER RED A "WET		DOORS WITH A BATHTUB OR SHOWER UNLESS THIS WOULD	
D THE CEC. (CPC		PREVENT PLACEMENT OF A SMOKE DETECTOR (314.3(4)). ALTERATIONS, REPAIRS, OR ADDITIONS EXCEEDING 1,000	
		DOLLARS. (MAY BE BATTERY OPERATED.)	
0F SHAPE, SHALL 24 SQUARE INCHES		ALL SMOKE AND CARBON-MONOXIDE ALARMS SHALL BE HARDWIRED WITH A BATTERY BACKUP (SMOKE ALARMS SHALL	26
F ENCOMPASSING A		HAVE A 10-YEAR SEALED BATTERY). (CRC R314.4 & R315.1) SMOKE DETECTORS WITHIN 10 FEET TO 20 FEET OF THE STOVE	
NSIONS SHALL BE P OF THE		SHALL BE IONIZATION TYPE WITH ALARM SILENCING SWITCH.	
A POINT OF NOT OUTLET. (CPC 408.6)		CRC R314.3.3.	
M OF 22" IN WIDTH.	10.	CARBON-MONOXIDE ALARMS SHALL BE INSTALLED IN DWELLING UNITS WITH FUEL-BURNING APPLI- ANCES OR WITH ATTACHED	27
WERS REQUIRE A E THE FLOOR. (CRC		GARAGES (CRC R315.3):	
PE IS 1/8" PER FOOT.		OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE     IMMEDIATE VICINITY OF BEDROOMS	
INSTANTANEOUS		ON EVERY LEVEL OF A DWELLING UNIT INCLUDING	
VALVES SHALL BE		BASEMENTS ALTERATIONS, REPAIRS, OR ADDITIONS EXCEEDING 1,000	(S
R LINES. EACH VALVE		DOLLARS (MAY BE BATTERY OPERATED)	Ř
VALVES ARE	11.	WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED, THE SMOKE ALARMS SHALL BE INTERCONNECTED IN	M IN
T SHALL BE LOCATED 5" ON EACH SIDE)		SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL	. •
PC 402.5)		ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL DWELLING UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS	
M HOT WATER		OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED.	
EGREES F. (CPC	12.	ALL EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM	
E BIBS. (CPC 603.5.7)	10	LIGHTING SYSTEMS. (CENC 150(K) 2B)	
TRAP PRIMER. (CPC	13.	A MINIMUM OF ONE LUMINAIRE SHALL BE INSTALLED IN BATHROOM CONTROLLED BY AN OCCUPANT OR VACANCY	
		SENSOR PROVIDING AUTOMATIC -OFF FUNCTIONALLY (CENC 150	
UM WATER FLOW	14.	.0(K)21) LAUNDRY AREA SHALL AT LEAST 1-20 AMP DEDICATED BRANCH	l
	17.	CIRCUIT (CEC 210 .11 (C)(2)	
	15.	PROVIDE A DEDICATED CIRCUIT FOR THE A.C./FAU (CEC 422.12)	1
	16.	A DEDICATED 125V, 20AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRICAL PANEL WITH A $\frac{120}{240}$ -VOLT 3	
PACE NOT LESS THAN		CONDUCTOR, 10 AWG COPPER BRANCH CIRCUIT, WITHIN 3 FEET	
		FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS (CENC 150.0(N)1A)	
AL RANGE OR AS RANGE INDOOR		PER CEC 2022 150.0(N).1.A.:	
HEN AND SHALL BE		IF DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER HEATER, THEN THIS SPACE SHALL INCLUDE THE FOLLOWING:A	
		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	
D PER CEC 210.52		FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER	
AGES AND AMPER-RESISTANT		<ul> <li>HEATER WITH NO OBSTRUCTIONS; AND</li> <li>BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE</li> </ul>	
OUTLET LOCATIONS		LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED: AND	
CRC SECTION OUTLET LOCATIONS		A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE	(T Pl
).13 (I.E. ALL		ELECTRICAL PANEL ADJACENT TO THE CIRCUIT BREAKER FOR THE BRANCH CIRCUIT IN A ABOVE AND LABELED WITH	IN
IPERE OUTLETS IN		THE WORDS "FUTURE 240V USE"; AND	
Y ROOMS, DINING ES, DENS,		<ul> <li>A CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE INSTALLED WATER</li> </ul>	
MS, CLOSETS,		HEATER, AND ALLOWS NATURAL DRAINING WITHOUT PUMP	
SIMILAR LISTED	17.	ASSISTANCE. ELECTRICAL RECEPTACLE OUTLETS, SWITCHES AND CONTROLS	
TERRUPTER. (CEC	17.	SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED	
SMALL APPLIANCE EC 210.11(C)1		FROM THE TOP OF THE OUTLET BOX OR LESS THAN 15-INCHES MEASURE FROM BOTTOM OF THE OUTLET BOX ABOVE THE	
CH BATHROOM.		FINISHED FLOOR (CRC R327.1.2)	
LYING ONLY	18.	DOORBELL BUTTON MUST BE INSTALLED NO MORE THAN 48 INCHES FROM EXTERIOR FLOOR.	(1
EC ART. 210-11(c)3.	19.	LUMINAIRE EFFICACY - ALL INSTALLED LUMINAIRES SHALL MEET	(L C
CHEN RECEPTACLES TOP SURFACES,	-	THE REQUIREMENTS OF 2022 BUILDING ENERGY EFFICIENCY	F
DOR SPACES OR	20.	STANDARDS TABLE 150.0-A PER SECTION 150.0(K). NO ELECTRICAL PANELS IN CLOSETS OF BATHROOMS. MAINTAIN	
MENTS, CRAWL JTLETS, WITHIN 6' OF	20.	A CLEARANCE OF 36" INCHES IN FRONT OF PANELS, 30" WIDE OR	
R DAMP LOCATIONS, DRY AREAS AND IN		WIDTH OF EQUIPMENT AND 6'-6" HIGH FOR HEADROOM. (CEC 110.26)	
S DEDICATED TO A	21.	PROVIDE A MINIMUM 3 LUG INTERSYSTEM BONDING BUSBAR AT	
R. (CEC 210.8)		THE MAIN ELECTRICAL SERVICE. (CEC 250.94)	
CLES INSTALLED IN 106.4(D)(6)	22.	A CONCRETE-ENCASED ELECTRODE (UFER) CONSISTING OF 20' OF REBAR OR #4 COPPER WIRE PLACED IN THE BOTTOM OF A	
HE DFFICE ARE		FOOTING IS REQUIRED FOR ALL NEW CONSTRUCTION. (CEC	
RE TO		250.52(A) (3)) BOND ALL METAL GAS AND WATER PIPES TO GROUND. ALL GROUND CLAMPS SHALL BE ACCESSIBLE AND OF	(\
NEEDS TO		AN APPROVED TYPE. (CEC 250.104)	W U
ED TO BE HIGH	23.	PROVIDE AT LEAST 1 OUTLET IN BASEMENTS, GARAGES, LAUNDRY ROOMS, DECKS, BALCONIES, PORCHES AND WITHIN 3'	U
TION		OF THE OUTSIDE OF EACH BATHROOM BASIN. (CEC 210.52 (D),	
O.C. MAXIMUM IN	25.	(F) & (G)) ALL DWELLINGS MUST HAVE ONE EXTERIOR OUTLET AT THE	
E WALL END. WALLS CEPTACLE.		FRONT AND THE BACK OF THE DWELLING. (CEC 210.52(E))	
L HAVE A	24.	AT LEAST ONE WALL SWITCHED LIGHTING OUTLET OR FIXTURE SHALL BE INSTALLED IN EVERY HABITABLE ROOM, BATHROOM,	
		HALLWAYS, STAIRWAYS, ATTACHED GARAGES AND DETACHED	
ED FOR ALL E SPD SHALL BE AN		GARAGES WITH ELECTRICAL POWER, EQUIPMENT SPACES (ATTICS, BASEMENTS, ETC). (CEC 210.70)	
NT OR SHALL BE	25.	ALL 15/20 AMPERE RECEPTACLES IN WET LOCATIONS SHALL	
O. THE SPD SHALL		HAVE IN-USE (BUBBLE) COVERS IN- STALLED. ALL RECEPTACLES IN WET LOCATIONS SHALL ALSO BE LISTED	
		WEATHER-RESISTANT TYPE. (CEC 406.9(B)(1))	L_

# ELECTRICAL NOTES (CONTINUED)

- KITCHENS, DINING ROOMS, PANTRIES, BREAKFAST NO SIMILAR AREAS MUST HAVE A MINIMUM OF TWO 20A CI KITCHEN, PANTRY, BREAKFAST NOOKS, DINING ROOMS SURFACES AND SIMILAR AREAS COUNTER OUTLETS M INSTALLED IN EVERY COUNTER SPACE 12" INCHES OR NOT GREATER THAN 4' O.C., WITHIN 24" INCHES OF THE ANY COUNTER SPACE AND NOT HIGHER THAN 20" ABO COUNTER. (CEC 210.52 (C)) ISLAND COUNTER SPACES HAVE AT LEAST 1 RECEPTACLE OUTLET UNLESS A RAN OR SINK IS INSTALLED THAN 2 RECEPTACLES MAY BE REQUIRED. 1 RECEPTACLE IS REQUIRED FOR PENINSU COUNTER SPACES. RECEPTACLES SHALL BE LOCATED KITCHEN SINKS IF THE COUNTER AREA DEPTH BEHIND IS MORE THAN 12" FOR STRAIGHT COUNTERS AND 18" CORNER INSTALLATIONS. (CEC FIGURE 210.52(C)(1))
- RECEPTACLES SHALL NOT BE INSTALLED WITHIN OR D OVER A BATHTUB OR SHOWER STALL. (CEC 406.9(C) LI PENDANTS, CEILING FANS, LIGHTING TRACKS, ETC SH, BE LOCATED WITHIN 3FT HORIZONTALLY AND 8FT VER ABOVE A SHOWER AND/OR BATHTUB THRESHOLD. (CE 410.10(D))
- ALL LIGHTING/FAN FIXTURES LOCATED IN WET OR DAN LOCATIONS SHALL BE RATED FOR THE APPLI- CATION. 410.10)

# ELECTRIC READY NOTES:

2022 ENERGY EFFICIENCY STANDARDS

(S) ENERGY STORAGE SYSTEMS (ESS) READY. ALL SINGLE-FA RESIDENCES THAT INCLUDE ONE OR TWO DWELLING UNITS S MEET THE FOLLOWING. ALL ELECTRICAL COMPONENTS SHAL INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRIC

- 1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED A. ESS READY INTERCONNECTION EQUIPMENT WITH A MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, C
- MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, C B. A DEDICATED RACEWAY FROM THE MAIN SERVICE TO PANELBOARD (SUBPANEL) THAT SUPPLIES THE FOLLOW BRANCH CIRCUITS: REFRIGERATOR, LIGHTING CIRCUIT PRIMARY EGRESS DOOR, SLEEPING ROOM RECEPTACL ONE ADDITIONAL.SECTION 150.0(S)(2). ALL BRANCH CIRC ARE PERMITTED TO BE SUPPLIED BY THE MAIN SERVICE PANEL PRIOR TO THE INSTALLATION OF AN ESS. THE TRADE SIZE OF THE RACEWAY SHALL BE NOT LESS THA INCH. THE PANELBOARD THAT SUPPLIES THE BRANCH ( SUBPANEL) MUST BE LABELED "SUBPANEL SHALL INCL BACKED-UP LOAD CIRCUITS."
- 2. A MINIMUM OF FOUR BRANCH CIRCUITS SHALL BE IDENTIFIED AND HAVE THEIR SOURCE OF SUPPLY COLLOCATED AT A SINGLE PANELBOARD SUITABLE TO I SUPPLIED BY THE ESS. AT LEAST ONE CIRCUIT SHALL S THE REFRIGERATOR, ONE LIGHTING CIRCUIT SHALL BE NEAR THE PRIMARY EGRESS, AND AT LEAST ONE CIRCU SUPPLY A SLEEPING ROOM RECEPTACLE OUTLET.
- 3. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBA RATING OF 225 AMPS.
- 4. SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE INSTALLATION OF A SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH WITHIN 3 FEET OF THE MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN THE PANELBOARD AND THE SYSTEM ISOLATI EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW T CONNECTION OF BACKUP POWER SOURCE.

(T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS S INCLUDE THE FOLLOWING:

- 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL INSTALLED WITHIN 3 FEET FROM THE FURNACE AND AC TO THE FURNACE WITH NO OBSTRUCTIONS. THE BRANC CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS M THE BLANK COVER SHALL BE IDENTIFIED AS "240V REAL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN
- ACCORDANCE WITH THE CALIFORNIA ELECTRICAL COD 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A R SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE CIRCUIT BREAKER FOR A FUTURE HEAT PUMP SPACE H INSTALLATION. THE RESERVED SPACE SHALL BE PERM/ MARKED AS "FOR FUTURE 240V USE."

(U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PRO COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS SHALL INC FOLLOWING:

- 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL INSTALLED WITHIN 3 FEET FROM THE COOKTOP AND ACCESSIBLE TO THE COOKTOP WITH NO OBSTRUCTION BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 50 MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "2 READY." ALL ELECTRICAL COMPONENTS SHALL BE IN IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CO
- 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION O DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECT COOKTOP INSTALLATION. THE RESERVED SPACE SHALL PERMANENTLY MARKED AS "FOR FUTURE 240V USE."

(V) ELECTRIC CLOTHES DRYER READY. CLOTHES DRYER LOC WITH GAS OR PROPANE PLUMBING TO SERVE INDIVIDUAL DW JNITS SHALL INCLUDE THE FOLLOWING:

1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL INSTALLED WITHIN 3 FEET FROM THE CLOTHES DRYER LOCATION AND ACCESSIBLE TO THE CLOTHES DRYER LOCATION WITH NO OBSTRUCTIONS. THE BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.

2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC CLOTHE INSTALLATION. THE RESERVED SPACE SHALL BE PERMANE MARKED AS "FOR FUTURE 240V USE."

) DOKS, AND CIRCUITS. IS, WORK	1.	ALL DUCTS IN CONDITIONED SPACES MUST INCLUDE R-4.2 INSULATION. (150.1(C)9) MINIMUM HEATING AND COOLING FILTER RATINGS SHALL BE MRV 13 (150.0(M)12)	
MUST BE R WIDER, IE END OF	2.	ISOLATION WATER VALVES REQUIRED FOR INSTANTANEOUS WATER HEATERS. SEE PLUMBING NOTE 31 ON THIS SHEET	
OVE S SHALL NGE TOP ULAR D BEHIND D THE SINK ' FOR	3.	ENERGY STORAGE SYSTEM (ESS) READY. • ENERGY STORAGE SYSTEMS SHALL ONLY BE INSTALLED IN DETACHED GARAGES AND ACCESSORY STRUCTURES, ATTACHED GARAGES, OUTDOOR NOT LESS THAN 3' FROM DOOR AND WINDOWS AND ENCLOSED UTILITY CLOSETS, BASEMENTS, STORAGE OR UTILITY CLOSETS WITHIN DWELLING UNITS WITH FINISHED OR NONCOMBUSTIBLE WALLS AND CEILING. (CRC R328.4)	
DIRECTLY LIGHT HALL NOT RTICALLY EC		• INDIVIDUAL ESS UNITS SHALL HAVE A MAX RATING OF 20 KWH. THE AGGREGATE RATING OF THE ESS SHALL NOT EXCEED 40 KWH WITHIN UTILITY CLOSETS, BASEMENTS AND STORAGE OR UTILITY SPACES, 80 KWH IN ATTACHED OR DETACHED GARAGES OR DETACHED ACCESSORY STRUCTURES, 80 KWH ON EXTERIOR WALLS AND 80 KWH OUTDOORS ON THE GROUND. (CRC R328.5)	
MP J. (CEC 150.0 FAMILY SHALL		<ul> <li>ROOMS AND AREAS WITHIN STRUCTURES IN WHICH ESS ARE INSTALLED SHALL BE PROTECTED BY SMOKE ALARMS. A HEAT DETECTOR SHALL BE INSTALLED IN LOCATIONS WITHIN STRUCTURES WHERE SMOKE ALARMS CANNOT BE INSTALLED BASED ON THEIR LISTING. (CRC R328.7)</li> <li>ESS INSTALLED IN LOCATIONS SUBJECT TO VEHICLE DAMAGE SHALL BE PROVIDED WITH IMPACT PROTECTION. (CRC R328.8)</li> <li>SEE ELECTRIC READY NOTES ON THIS SHEET FOR</li> </ul>	
LL BE ICAL CODE: D:	4.	ADDITIONAL REQUIREMENTS.	
OR	т.	RATING OF 225 AMPS. SPACE SHALL BE RESERVED PER ELECTRIC READY NOTES ON THIS SHEET FOR REQUIREMENTS	
Ο Α WING Γ NEAR	5.	HEAT PUMP SPACE HEATER READY. SEE ELECTRIC READY NOTES ON THIS SHEET FOR REQUIREMENTS	
LE AND RCUITS CE	6.	ELECTRIC COOKTOP READY. SEE ELECTRIC READY NOTES ON THIS SHEET FOR REQUIREMENTS	
IAN ONE CIRCUITS	7.	ELECTRICAL CLOTHES DRYER READY. SEE ELECTRIC READY NOTES ON THIS SHEET FOR REQUIREMENTS	
LUDE ALL	8.	<ul> <li>ALL LUMINAIRES MUST BE HIGH EFFICACY (150.0(K)1A)</li> <li>LUMINARIES RECESSED IN INSULATED CEILINGS MUST MEET FIVE REQUIREMENTS (150.0(K) 1C):</li> <li>THEY MUST BE RATED FOR DIRECT INSULATION CONTACT</li> </ul>	
) BE SUPPLY E LOCATED CUIT SHALL		<ul> <li>THEY MUST BE NATED FOR DIRECT INSOLATION CONTACT (IC).</li> <li>THEY MUST BE CERTIFIED AS AIRTIGHT (AT) CONSTRUCTION.</li> <li>THEY MUST HAVE A SEALED GASKET OR CAULKING BETWEEN THE HOUSING AND CEILING TO PREVENT FLOW OF HEATED OR COOLED AIR OUT OF LIVING AREAS AND INTO THE CEILING CAVITY.</li> <li>THEY MAY NOT CONTAIN A SCREW BASE SOCKETS</li> <li>THEY SHALL CONTAIN A JA8 COMPLIANT LIGHT SOURCE</li> </ul>	
- TION THE S OR S SHALL	9.	IN BATHROOMS, GARAGES, WALK-IN CLOSET, LAUNDRY ROOMS, AND UTILITY ROOMS, AT LEAST ON LUMINAIRE IN EACH OF THESE SPACES SHALL BE CONTROLLED BY A VACANCY SENSOR OR OCCUPANT SENSOR PROVIDED THE OCCUPANT SENSOR IS INITIALLY PROGRAMMED LIKE A VACANCY SENSOR (MANUAL-ON OPERATION). (150.0(K)2I)	
LL BE CCESSIBLE ICH MINIMUM. ADY." ALL	10.	LIGHTING IN HABITABLE SPACES, INCLUDING BUT NOT LIMITED TO LIVING ROOMS, DINING ROOMS, KITCHENS AND BEDROOMS, SHALL HAVE READILY ACCESSIBLE DIMMING CONTROLS. (CALIFORNIA ENERGY CODE 150(K) 2F)	-
DE. RESERVED LE POLE HEATER	11.	JOINT APPENDIX A (JA8) CERTIFIED LAMPS SHALL BE CONSIDERED HIGH EFFICACY. JA8 COMPLI- ANT LIGHT SOURCES SHALL BE CONTROLLED BY A VACANCY SENSOR OR DIMMER. (EXCEPTION: <70SF CLOSETS AND HALLWAY) (150.0(K)2K)	- F
ANENTLY	12.	UNDER-CABINET LIGHTING SHALL BE SWITCHED SEPARATELY FROM OTHER LIGHTING SYSTEMS. (150.0(K)2L)	-
CLUDE THE L BE NS. THE 50 AMPS "240V INSTALLED CODE.	13.	<ul> <li>ALL EXTERIOR LIGHTING SHALL BE HIGH EFFICACY, BE</li> <li>CONTROLLED BY A MANUAL ON/OFF SWITCH AND HAVE ONE OF</li> <li>THE FOLLOWING CONTROLS (THE MANUAL SWITCH SHALL NOT</li> <li>OVERRIDE THE AUTOMATIC CONTROL DEVICE): (150.0(K)3A)</li> <li>PHOTO-CONTROL AND MOTION SENSOR</li> <li>PHOTO-CONTROL AND AUTOMATIC TIME SWITCH CONTROL</li> <li>ASTRONOMICAL TIME CLOCK CONTROL TURNING LIGHTS OFF DURING THE DAY</li> </ul>	
OF A TRIC _L BE	14.	ALL HIGH EFFICACY LIGHT FIXTURES SHALL BE CERTIFIED AS "HIGH-EFFICACY" LIGHT FIXTURES BY THE CALIFORNIA ENERGY COMMISSION.	
CATIONS WELLING	15.	CONTRACTOR SHALL PROVIDE THE HOMEOWNER WITH A LUMINAIRE SCHEDULE GIVING THE LAMPS USED IN THE LUMINAIRES INSTALLED. (10-103(B))	
L BE	16.	THE NUMBER OF BLANK ELECTRICAL BOXES MORE THAN 5 FEET ABOVE THE FINISHED FLOOR SHALL NOT BE GREATER THAN THE NUMBER OF BEDROOMS. THESE ELECTRICAL BOXES MUST BE SERVED BY A DIMMER, VACANCY SENSOR, OR FAN SPEED CONTROL. (150(K)1B)	-
BE A DOUBLE IES DRYER NENTLY	17.	BUILDING SHALL MEET THE MINIMUM VENTILATION AND ACCEPTABLE INDOOR AIR QUALITY REQUIREMENTS PER ASHRAE STANDARD 62.2. AND IS SUBJECT TO HERS TESTING. THE FOLLOWING LABEL MUST BE ATTACHED TO THE FAN SWITCH: "TO MAINTAIN MINIMUM LEVELS OF OUTSIDE AIR VENTILATION REQUIRED FOR GOOD HEALTH, THE FAN CONTROL SHOULD BE ON AT ALL TIMES WHEN THE BUILDING IS OCCUPIED, UNLESS THERE IS SEVERE OUTDOOR AIR CONTAMINATION." (CALIFORNIA ENERGY CODE 150.0(O))	-

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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 TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN O PARADISE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION FRRORS, DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE. WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL. TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, 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 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

# Town of Paradise Pre-Approved ADU Program

revisions

description

General Notes

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	30.3

# NUL DI AND LIDDANI INTEDEA OF (MULLI) OONEODMANIOF OLIFOVULOT FOD OTIOV DUU T LIOMEO

WILDLAND-URBAN INTERFACE (W.U.I.) CONFORMANCE CHECKLIST FOR STICK BUILT HOMES				
BARN	CRAFTSMAN	RANCH	1.THE	
PMC 8.58.060 DEFENSIBLE SPACE/HAZARDOUS FUEL MANAGEMENT REQUIREMENTS	PMC 8.58.060 DEFENSIBLE SPACE/HAZARDOUS FUEL MANAGEMENT REQUIREMENTS	PMC 8.58.060 DEFENSIBLE SPACE/HAZARDOUS FUEL MANAGEMENT REQUIREMENTS	SHA 2.(EX	
<ul> <li>Maintain immediately around and adjacent to any building or structure free of combustible materials. Only noncombustible material shall be allowed within five (5) feet of any building or structure. No vegetation shall exist within or overhang within five (5) feet of the structure. Any overhanging limbs or branches shall be removed. All exterior walls shall have a six (6) inch noncombustible vertical clearance from grade.</li> <li>All unattached accessory structures and outbuildings shall be a minimum of ten (10) feet away from the primary dwelling.</li> <li>Remove or prune flammable plants and shrubs near windows and under eave vents (a recommended no-planting zone). Combustible materials shall not be stored under decks and the area under decks shall be maintained free of vegetative material. Decks or porches four (4) feet or less above the grade shall be fully enclosed to reduce the accumulation of debris with noncombustible wall material. Noncombustible, corrosion-resistant mesh material with openings not to exceed one-eighth (1/4) inch may be used.</li> <li>Fencing material constructed of combustible material shall not be within five (5) feet from any structure. All fencing shall be a single line; back-to-back fencing is not permitted in which fences are nominally parallel and spaced less than three (3) feet apart.</li> <li>701A.5 and R337.1.5 VEGETATION MANAGEMENT COMPLIANCE</li> <li>Provide documentation (on plot plan, or landscape plan) of compliance with PRC 4291. We suggest scheduling design/pre-construction meeting with the Fire Marshal to review/clarify what their requirements will be for your particular parcel/project.</li> <li>Plans shall specify and demonstrate requirement to maintain fire break:</li> <li>Remove any tree limbs within 10 feet of chimney outlet.</li> <li>Eliminate any dead wood from trees overhanging building. Maintain the roof to be free of leaves, needles or dead vegetation.</li> <li>Inspection and written approval by the Fire Marsha</li></ul>	<ul> <li>Maintain immediately around and adjacent to any building or structure free of combustible materials. Only noncombustible material shall be allowed within five (5) feet of any building or structure. No vegetation shall exist within or overhang within five (5) feet of the structure. Any overhanging limbs or branches shall be removed. All exterior walls shall have a six (6) inch noncombustible vertical clearance from grade.</li> <li>All unattached accessory structures and outbuildings shall be a minimum of ten (10) feet away from the primary dwelling.</li> <li>Remove or prune flammable plants and shrubs near windows and under eave vents (a recommended no-planting zone). Combustible materials shall not be stored under decks and the area under decks shall be maintained free of vegetative material. 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We suggest scheduling design/pre-construction meeting with the Fire Marshal to review/clarify what their requirements will be for your particular parcel/project.</li> <li>Plans shall specify and demonstrate requirement to maintain fire break:</li> <li>Remove and clear away all flammable vegetation or combustible growth for 30' from each side of building.</li> <li>Remove any tree limbs within 10 feet of chimney outlet.</li> <li>Eliminate any dead wood from trees overhanging building. Maintain the</li></ul>	<ul> <li>Maintain immediately around and adjacent to any building or structure free of combustible materials. Only noncombustible material shall be allowed within five (5) feet of any building or structure. No vegetation shall exist within or overhang within five (5) feet of the structure. Any overhanging limbs or branches shall be removed. 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<b>705A and R323.5 ROOFING / 705A.2, R337.5.2 Roof Coverings:</b> Is space proposed between the roof covering and roof decking?	<b>705A and R323.5 ROOFING / 705A.2, R337.5.2 Roof Coverings:</b> Is space proposed between the roof covering and roof decking?	<b>705A and R323.5 ROOFING / 705A.2, R337.5.2 Roof Coverings:</b> Is space proposed between the roof covering and roof decking?	TO 15.0 HUN	
☑ Yes □ No           If yes, the spaces shall be constructed to prevent the intrusion of flames and embers, and be fire stopped with approved materials, or have one layer of No.           72 ASTM cap sheet installed over the combustible decking. Provide detail for method of compliance, incorporate into plans and provide reference to detail location: DETAILS 11, 13, & 18 ON A5.2           705A.4, R337.5.4 Roof gutters:           ☑ Roof gutters of a non-combustible material shall be provided with the means to prevent the accumulation of leaves and debris in the gutter. Indicate where specification has been incorporated into drawings: KEY NOTE ON ROOF PLAN           706A.3 tave or Cornice Vents shall not be installed on the underside of eaves and cornices, unless they resist the intrusion of flame and burning embers into the attic area of the structure.           □/ Frenet or of system is proposed:         □           □ Plans shall define and detail how attic and/or rafter bays will be vented, i.e. gable end vents, eave vents, ridge vent(s).           □ Detail/indicate how proposed eave/cornice vents will resist the intrusion of flame and embers into attic/rafter bay area of the structure. NON-VENTED EAVE Reference to detail location: DETAILS 11, 13, & 18 ON A5.2           707A and R337.7.3 EXTERIOR COVERINGS           707A.3, R337.7.3 EXTERIOR COVERINGS           ②707A.3, R337.7.3 EXTERIOR MAIDDooK? ⊠ Yes □ No (provide test data)           ◎ One layer of 5/K* Type X gypous sheating applied behind the exterior covering or cladding on the exterior side of the framing Reference to detail location: DETAILS 6 & 12 ON A5.1           ?07A.3, R337.3.5 EXTER	<ul> <li>▷ Yes □ No</li> <li>If yes, the spaces shall be constructed to prevent the intrusion of flames and embers, and be fire stopped with approved materials, or have one layer of No. 72 ASTM cap sheet installed over the combustible decking. Provide detail for method of compliance, incorporate into plans and provide reference to detail location: DETAILS 1,2,3,5,6,7 ON A5.2</li> <li><b>705A.4</b>, <b>R337.5.4</b> Roof gutters:</li> <li>B Roof gutters of a non-combustible material shall be provided with the means to prevent the accumulation of leaves and debris in the gutter. Indicate where specification has been incorporated into drawings: KEY NOTE ON ROOF PLAN</li> <li><b>706A.3</b> are er Cornice Vents shall not be installed on the underside of eaves and cornices, unless they resist the intrusion of flame and burning embers into the attic area of the structure.</li> <li>If vented roof system is proposed:</li> <li>▷ Plans shall define and detail how attic and/or rafter bays will be vented, i.e. gable end vents, eave vents, ridge vent(s).</li> <li>▷ Detail/indicate how proposed eave/cornice vents will resist the intrusion of flame and embers into attic/rafter bay area of the structure. VULCAN TECHNOLOGIES - USE VV/ER (RECTANGULAR OR CIRCULAR)</li> <li>Reference to detail location: DETAILS 1,2,3,5,6,7 ON A5.2</li> <li><b>707A</b> and <b>R337.7.3</b> EXTERIOR COVERING</li> <li>○ One layer of 5/8" Type X gypous sheating applied behind the exterior covering or cladding on the exterior side of the framing</li> <li><b>707A.3.1</b>, <b>R337.7.3</b> LEXTERIOR WALL COVERING</li> <li>○ One layer of 5/8" Type X gypous sheating applied behind the exterior covering or cladding on the exterior side of the following: DETAILS 1,2,3,5,6,7 ON A5.1</li> <li><b>707A.4</b>, <b>R337.7.4</b> Open roof eaves (Solid wood rafter tails on the exposed underside of open roof eaves (Solid wood rafter tails on the exposed underside of open roof eaves and the applice.</li> <li>○ One layer of 5/8" Type X gypous sheatting appli</li></ul>	<ul> <li>☑ Yes □ No</li> <li>If yes, the spaces shall be constructed to prevent the intrusion of flames and embers, and be fire stopped with approved materials, or have one layer of No. 72 ASTM cap sheet installed over the combustible decking. Provide detail for method of compliance, incorporate into plans and provide reference to detail location: DETALIS 12,3,5,6,7 ON A5.2</li> <li><b>705A.4, R337.5.4 Roof gutters:</b></li> <li>☑ Roof gutters of a non-combustible material shall be provided with the means to prevent the accumulation of leaves and debris in the gutter. Indicate where specification has been incorporated into drawings; KEY <u>NOTE ON ROOF PLAN</u></li> <li><b>706A.1 and R337.6.3 VENTS</b></li> <li><b>706A.3</b> and rear of the structure.</li> <li>If vented roof system is proposed:</li> <li>☑ Plans shall define and detail how attic and/or rafter bays will be vented, i.e. gable end vents, eave vents, ridge vent(s).</li> <li>☑ Detail/indicate how proposed eave/cornice vents will resist the intrusion of flame and embers into attic/rafter bay rea of the structure. VULCAN TECHNOLOGIES - USE VE/VER (RECTANGULAR OR CIRCULAR) Reference to detail location: DETAILS 1,2,3,5,6,7 ON A5.2</li> <li><b>707A and R337.7.3 EXTERIOR COVERINGS</b></li> <li><b>707A.3, R337.7.3 EXTERIOR COVERINGS</b></li> <li><b>707A.3, R337.7.3 EXTERIOR WALL COVERING</b></li> <li><b>707A.3, R337.7.3 EXTERIOR WALL COVERING</b></li> <li><b>707A.3, R337.7.3 EXTERIOR WALL COVERING</b></li> <li><b>707A.3, R337.7.4 EXTERIOR WALL COVERING</b></li> <li><b>707A.3, R337.7.4 EXTERIOR WALL COVERING</b></li> <li><b>707A.3, R337.7.5 LEXERIOR WALL COVERING</b></li> <li><b>707A.3, R337.7.5 LEXTERIOR WALL COVERING</b></li> <li><b>707A.3, R337.7.4 EXTERIOR WALL COVERING</b></li> <li><b>707A.3, R337.7.4 EXTERIOR WALL COVERING</b></li> <li><b>707A.4, R337.7.4 CPC ROM WALL COVERING</b></li> <li><b>707A.4, R337.7.4 CPC ROM WALL COVERING</b></li> <li><b>707A.4, R337.7.4 CPC ROM WALL COVERING</b></li> <li><b>707A.4, R337.7.4 Open roof eaves</b> (solid wood r</li></ul>	d WIT INS 15.0 6.(SLC PRC SUF THE DRA PRC SUF THE DRA PRC SUF SLC GRO FLO APF 15.0 8.BUII GRO BAS SHA INTE 9.ROO LEA 10. COM TRE SHA 11. COM ANT COM FEE NOM FEE NOM	
<ul> <li>glazed openings within exterior garage doors; exterior structural glass veneer.</li> <li><b>708A.2.1, R337.8.2.1 Exterior windows and exterior glazed door assemblies:</b></li> <li>Exterior windows and exterior glazed door assemblies shall comply with one of the following:</li> <li>Constructed of multi-pane glazing with a minimum of one tempered pane meeting the requirements of CBC 2406.</li> <li><b>708A.3, R337.8.3 Exterior doors:</b></li> <li>Exterior doors shall comply with one of the following:</li> <li>Exterior surface or cladding shall be of noncombustible or ignition-resistant material, or</li> <li><b>708A.3.1, R337.8.3.1 Exterior door glazing:</b></li> <li>Glazing in exterior doors shall comply with Sections 708A.2.1 and R337.8.2.1.</li> </ul>	<ul> <li>Exterior windows; exterior glazed doors; glazed openings within exterior doors; glazed openings within exterior garage doors; exterior structural glass veneer.</li> <li><b>708A.2.1, R337.8.2.1 Exterior windows and exterior glazed door assemblies:</b></li> <li>Exterior windows and exterior glazed door assemblies shall comply with one of the following:</li> <li>Constructed of multi-pane glazing with a minimum of one tempered pane meeting the requirements of CBC 2406.</li> <li><b>708A.3, R337.8.3 Exterior doors:</b></li> <li>Exterior doors shall comply with one of the following:</li> <li>Exterior surface or cladding shall be of noncombustible or ignition-resistant material, or</li> <li><b>708A.3.1, R337.8.3.1 Exterior door glazing:</b></li> <li>Glazing in exterior doors shall comply with Sections 708A.2.1 and R337.8.2.1.</li> </ul>	<ul> <li>Exterior windows; exterior glazed doors; glazed openings within exterior doors; glazed openings within exterior garage doors; exterior structural glass veneer.</li> <li><b>708A.2.1, R337.8.2.1 Exterior windows and exterior glazed door assemblies:</b></li> <li>Exterior windows and exterior glazed door assemblies shall comply with one of the following:</li> <li>Constructed of multi-pane glazing with a minimum of one tempered pane meeting the requirements of CBC 2406.</li> <li><b>708A.3, R337.8.3 Exterior doors:</b></li> <li>Exterior doors shall comply with one of the following:</li> <li>Exterior surface or cladding shall be of noncombustible or ignition-resistant material, or</li> <li><b>708A.3.1, R337.8.3.1 Exterior door glazing:</b></li> <li>Glazing in exterior doors shall comply with Sections 708A.2.1 and R337.8.2.1.</li> </ul>	SHA OR PEN OU TO SOI OF THA	

# PARADISE MUNICIPAL CODE

THE ENTIRE ROOF COVERING OF EVERY NEW STRUCTUR SHALL BE A MINIMUM CLASS "A" ROOF COVERING. [PMC 1

- EXISTING) ANY ROOF COVERING MATERIAL APPLIED IN 1 ALTERATION, REPAIR OR REPLACEMENT OF THE ROOF O XISTING STRUCTURE SHALL BE A MINIMUM OF A CLASS COVERING. THE ENTIRE ROOF COVERING OF EVERY EXIS STRUCTURE WHERE MORE THAN 50 PERCENT OF THE TO ROOF AREA IS REPLACED WITHIN A ONE-YEAR PERIOD SH MINIMUM OF A CLASS "A" ROOF COVERING. [PMC 15.03.
- ONE EXTERIOR APPROVED AUDIBLE SPRINKLER WATER LOW ALARM DEVICE SHALL BE CONNECTED TO EVERY AUTOMATIC FIRE SPRINKLER SYSTEM IN AN APPROVED OCATION. SUCH DEVICE SHALL BE ACTIVATED BY WATE QUIVALENT TO THE FLOW OF A SINGLE SPRINKLER OF <sup>-</sup> SMALLEST ORIFICE SIZE INSTALLED IN THE SYSTEM. [PM0 5.03.060]
- FOR THE PURPOSES OF ENFORCING THE PROVISION CALIFORNIA FIRE CODE, CALIFORNIA BUILDING CODE, AN CALIFORNIA RESIDENTIAL BUILDING CODE, ANY WORK, A O, REMODEL, REPAIR, RENOVATION, OR ALTERATION OF SUILDING(S) OR STRUCTURE(S) SHALL BE CONSIDERED CONSTRUCTION" WHEN 50 PERCENT OR MORE OF THE E VEIGHT BEARING WALLS ARE REMOVED OR DEMOLISHEI 5.03.050]
- ACCESS ROADS) FIRE APPARATUS ACCESS ROADS SHAL IAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 I XCLUSIVE OF SHOULDERS, EXCEPT FOR APPROVED SE GATES IN ACCORDANCE WITH SECTION (CFC 503.6), AND INOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS TH EET 6 INCHES, EXCEPTION: RESIDENTIAL DRIVEWAYS SH COMPLY WITH TOWN OF PARADISE ROAD STANDARDS. [ 5.09.120] FIRE APPARATUS ACCESS ROADS SHALL BE DE ND MAINTAINED TO SUPPORT THE IMPOSED LOAD OF FI PPARATUS AT 75,000 POUNDS AND SHALL BE SURFACED O PROVIDE ALL-WEATHER DRIVING CAPABILITIES. [PMC 5.09.130] ROADWAY DESIGN FEATURES (SPEED BUMPS, UMPS, SPEED CONTROL DIPS, ETC.) WHICH MAY INTERF VITH EMERGENCY APPARATUS RESPONSES SHALL NOT NSTALLED ON FIRE APPARATUS ACCESS ROADWAYS. [PI 5.09.140]
- SLOPES) BERMS, SWALES OR OTHER DEVICES SHALL BE PROVIDED AT THE TOP OF CUT OR FILL SLOPES TO PREV SURFACE WATERS FROM OVERFLOWING ONTO AND DAM THE FACE OF THE SLOPE. GUTTERS OR OTHER SPECIAL RAINAGE CONTROLS SHALL BE PROVIDED WHERE THE PROXIMITY OF RUNOFF FROM BUILDINGS OR OTHER STRUCTURES IS SUCH AS TO POSE A POTENTIAL HAZARI SLOPE INTEGRITY. [PMC 15.02.210]
- BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIEI SROUP U OCCUPANCY AND NOT EXCEEDING 120 SQUARE LOOR AREA, WHEN LOCATED AT LEAST 50 FEET FROM A APPLICABLE BUILDING (AS WRITTEN IN CURRENT CODE). 5.03.070] (CRC 337.1.3)
- BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIED GROUP U OCCUPANCY EXCEEDING 120 SQUARE FEET IN BASED ON THE EXTERIOR MEASUREMENTS OF THE STRU SHALL COMPLY WITH SECTION R337 AND WILDLAND URB NTERFACE REQUIREMENTS. [PMC 15.03.070]
- ROOF GUTTERS OF A NON-COMBUSTIBLE MATERIAL SHAL PROVIDED WITH MEANS OF PREVENTING ACCUMULATION EAVES AND DEBRIS IN THE GUTTER. [PMC 15.03.070] (R33
- APPLICABILITY. THE USE OF ANY SITE STRUCTURE COMPOSED OF RAILROAD TIE MATERIAL (OR SIMILAR MA REATED WITH CREOSOTE AND/OR FLAMMABLE FLUID/LI SHALL BE UNLAWFUL AND PROHIBITED [PMC17.06.960]

DEFENSIBLE SPACE/HAZARDOUS FUELS REDUCTION REQUIREMENTS MAINTAIN IMMEDIATELY AROUND AND AI O ANY BUILDING OR STRUCTURE FREE OF COMBUSTIBL IATERIALS SUCH AS FIREWOOD, LUMBER AND RUBBISH COMBUSTIBLE MATERIALS SHALL NOT BE STORED UNDEF AND THE AREA UNDER DECKS SHALL BE MAINTAINED TO )F VEGETATIVE MATERIAL. DECKS OR PORCHES FOUR (4 OR LESS ABOVE THE GRADE SHALL BE FULLY ENCLOSED REDUCE THE ACCUMULATION OF DEBRIS WITH IONCOMBUSTIBLE WALL MATERIAL. NONCOMBUSTIBLE CORROSION-RESISTANT MESH MATERIAL WITH OPENING O EXCEED 1/8" INCH MAY BE USED. FENCING MATERIAL CONSTRUCTED OF COMBUSTIBLE MATERIAL MUST REMA EET AWAY FROM ANY BUILDING OR STRUCTURE. ONLY IONCOMBUSTIBLE MATERIAL SHALL BE ALLOWED WITHIN EET OF ANY BUILDING OR STRUCTURE. NO VEGETATION XIST WITHIN OR OVERHANG WITHIN 5 FT OF THE STRUC ANY OVERHANGING LIMBS OR BRANCHES SHALL BE REM ALL EXTERIOR WALLS SHALL HAVE A SIX-INCH NONCOME /ERTICAL CLEARANCE FROM GRADE. ALL UNATTACHED ACCESSORY STRUCTURES AND OUTBUILDINGS SHALL BE /INIMUM OF TEN (10) FEET AWAY FROM THE PRIMARY DV CLEAN ROOFS AND GUTTERS OF DEAD LEAVES, DEBRIS / IEEDLES. IN ADDITION TO THE MANAGEMENT OF COMBU IATERIAL AROUND A STRUCTURE OR BUILDING THE FOL SHALL BE ACCOMPLISHED: 1) REPLACE OR REPAIR ANY L OR MISSING SHINGLES OR ROOF TILES TO PREVENT EME PENETRATION. 2) PROVIDE AND MAINTAIN A SCREEN OVE DUTLET OF EVERY CHIMNEY OR STOVEPIPE THAT IS ATT. O ANY FIREPLACE, STOVE, OR OTHER DEVICE THAT BUR SOLID OR LIQUID FUEL. THE SCREEN SHALL BE CONSTRU OF NONFLAMMABLE MATERIAL WITH OPENINGS OF NOT N HAN 1/2 INCH. [PMC 8.58.060]

	FIRE SPRINKLER NOTES
RE	1. IF FIRE SPRINKLERS ARE REQUIRED AT PROPOSED ADU THEN THE FOLLOWING NOTES APPLY.
15.02.230] THE DF THE 5 "A" ROOF	2. 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 BUILDING DEPARTMENT AND APPROVED PRIOR
STING OTAL SHALL BE .080]	TO INSTALLATION. 3. SECTION 903.2.1 GROUP R AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 9033 SHALL BE PROVIDED THROUGHOUT ALL BUILDINGS WITH A GROUP R FIRE AREA. THIS INCLUDES SINGLE FAMILY DWELLINGS, MULTI-FAMILY DWELLINGS AND ALL DESIDENTIAL CARE FACILITIES DECARD LESS OF
ER FLOW	<ul> <li>DWELLINGS AND ALL RESIDENTIAL CARE FACILITIES REGARDLESS OF OCCUPANT LOAD.</li> <li>4. SECTION 903.2.1.1 ADDITIONS AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH 903.3 MAY BE REQUIRED</li> </ul>
	TO BE INSTALLED THROUGHOUT STRUCTURES WHEN THE ADDITION IS MORE THAN 50% OF THE EXISTING BUILDING OR WHEN THE ALTERED BUILDING WILL EXCEED A FIRE FLOW OF 1,500 GALLONS PER MINUTE AS CALCULATED PER SECTION 507.3. THE FIRE CODE
ND THE	OFFICIAL MAY REQUIRE AN AUTOMATIC SPRINKLER SYSTEM BE INSTALLED IN BUILDINGS WHERE NO WATER MAIN EXISTS TO
F ANY 'NEW EXTERIOR	PROVIDE THE REQUIRED FIRE FLOW OR WHERE A SPECIAL HAZARD EXISTS SUCH AS: POOR ACCESS ROADS, GRADE, BLUFFS AND CANYON RIMS, HAZARDOUS BRUSH AND RESPONSE TIMES GREATER THAN 5 MINUTES BY A FIRE DEPARTMENT.
D. [PMC LL FEET, CURITY AN IAN 13	<ol> <li>SECTION 903.2.1.2 REMODELS OR RECONSTRUCTION AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3 MAY BE REQUIRED IF THE SCOPE OF WORK INCLUDES SIGNIFICANT MODIFICATION TO THE INTERIOR AND/OR ROOF OF THE BUILDING, AND THE COST OF THE INSTALLATION DOES NOT EXCEED 15 PERCENT OF THE CONSTRUCTION COSTS OF THE REMODEL.</li> <li>LOCATION AND SIZE OF WATER SERVICE UNDERGROUND</li> </ol>
HALL PMC ESIGNED	<ul> <li>SHALL BE INSTALLED AS SHOWN ON APPROVED FIRE SPRINKLER</li> <li>PLANS. A MINIMUM 1 INCH WATER SHALL BE INSTALLED.</li> <li>7. A FIRE UNDERGROUND FLUSH CERTIFICATION SHALL BE</li> <li>REQUIRED AT FINAL INSPECTION.</li> </ul>
IRE D SO AS	8. A HYDRO INSPECTION OF THE FIRE SPRINKLER SYSTEM IS REQUIRED PRIOR TO FRAME INSPECTION. ONLY THE NEW PIPING SHALL BE TESTED.
SPEED FERE BE MC	
Ξ	WILDLAND URBAN INTERFACE (WUI) NOTES
/ENT 1AGING	1. EXTERIOR WALL COVERINGS SHALL BE NONCOMBUSTIBLE, IGNITION RESISTANT, HEAVY TIMBER, LOG WALL OR FIRE
D TO	RESISTIVE CONSTRUCTION. (CRC R337.7) 2. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE FOUNDATION TO THE ROOF AND TERMINATE AT 2-INCH NOMINAL SOLID BLOCKING BETWEEN RAFTERS AND OVERHANGS. (CRC
D AS E FEET IN AN	<ul> <li>R337.7.3.1)</li> <li>3. OPEN/ENCLOSED ROOF EAVES AND SOFFITS, EXTERIOR PORCH CEILINGS, FLOOR PROJECTIONS, UNDER-FLOOR AREAS AND UNDERSIDES OF APPENDAGES TO COMPLY WITH IGNITION</li> </ul>
. [PMC AS SIZE, JCTURE,	<ul> <li>RESISTANT CONSTRUCTION REQUIREMENTS. (CRC R337.5-9)</li> <li>4. SPACES CREATED BETWEEN ROOF COVERINGS AND ROOF DECKING SHALL BE FIRE STOPPED BY APPROVED MATERIALS OR HAVE ONE LAYER OF MINIMUM 72LB MINERAL SURFACED NON- PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909. (CRC</li> </ul>
AN LL BE	R337.5.2) 5. INDICATE ON THE PLANS WHERE VALLEY FLASHING IS INSTALLED, THE FLASHING SHALL BE NOT LESS THAN 26AWG AND INSTALLED OVER NOT LESS THAN ONE LAYER OF MINIMUM
N OF 37.5.4)	72LB MINERAL SURFACED NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 AND AT LEAST 36 INCHES WIDE RUNNING THE FULL LENGTH. (CRC R337.5.3)
TERIAL IQUID)	6. ALL VENTILATION OPENINGS FOR ENCLOSED ATTICS, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF
DJACENT _E	ROOF RAFTERS, AND UNDERFLOOR VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDLAND FLAME AND EMBER RESISTANT (WUI) VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS LISTED TO
R DECKS BE FREE 4) FEET	ASTM E2886. (CRC R337.6) 7. INDICATE ON PLANS EXTERIOR GLAZING SHALL HAVE A MINIMUM OF ONE-TEMPERED PANE, GLASS BLOCK, HAVE A FIRE RESISTIVE
то	<ul> <li>RATING OF 20 MINUTES OR BE TESTED TO MEET PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2. (CRC R337.8.2.1)</li> <li>8. OPERABLE SKYLIGHTS SHALL BE PROTECTED BY A NONCOMBUSTIBLE MESH SCREEN 1/8" MAX OPENINGS</li> </ul>
S NOT	(R337.8.2.2) 9. EXTERIOR DOORS INCLUDING GARAGE DOORS SHALL BE
N FIVE (5) N SHALL	NONCOMBUSTIBLE, IGNITION RESISTANT MATERIAL, MINIMUM 1 3/8 INCH SOLID CORE, MINIMUM 20 MINUTE FIRE RESISTIVE RATING OR SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1. (CRC R337.8.3)
CTURE. 10VED. BUSTIBLE	<ol> <li>GARAGE DOOR PERIMETER GAP MAXIMUM 1/8". METAL FLASHING, JAMB AND HEADER OVERLAP, AND WEATHER-STRIPPING MEETING SECTION REQUIREMENTS ARE PERMITTED. (R337.8.4)</li> </ol>
E A WELLING. AND PINE JSTIBLE	<ul> <li>11. THE WALKING SURFACE MATERIAL OF DECKS, PORCHES, BALCONIES AND STAIRS WITHIN 10FT OF GRADE LEVEL SHALL BE IGNITION RESISTANT MATERIAL, EXTERIOR FIRE-RETARDANT TREATED WOOD OR NONCOMBUSTIBLE MATERIAL. (CRC R337.9.2)</li> </ul>
LOWING LOOSE BER ER THE	12. ROOF GUTTERS SHALL COMPLY WITH 2022 CRC R337.5.4. ROOF GUTTERS SHALL BE PROVIDE WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER
ACHED RNS ANY UCTED MORE	

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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 TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF PARADISE 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

project

Town of Paradise Pre-Approved ADU Program

IMPROVEMENT UNDER THESE PLANS AT ALL.

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

description

General Notes

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	GO.4

	OSFM LISTED WILDLAND URBA
BARN	CRAFTSMAN
ROOF Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180)	ROOF Non-Wood Roof Covering/Assemblies for WU (ASTM E 108, SFM Listing Category 8180)
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 <sup>™</sup> 16" wide 26 GA Standing Seam Metal Roof System Deck: 5:12 Slope Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fastened with 2" nails, 8" OC spacing. Nominal 1/2" Densdeck installed per manufacturer's instructions for joints (staggered from sheathing) fastened with 8 -2" nails per 4'x8' sheet. Underlayment: Titanium UDL 30® stapled to face with 3" overlap. Roof Covering: Metal Sales Image II <sup>™</sup> 16" wide 26 GA Standing Seam Metal Roof System with rib/joint placed 6" from OSB joint fastened with #10-12 (1") pancake head wood screws in the nail strip. Refer to listee's data sheet for additional detailed product description. RATING: Class A	LISTING No. 8180-2299:0501 CATEGORY: 8180 NON-WOOD ROOF COVERING/ASS 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 <sup>™</sup> 16" wide 26 GA Standing Seam Meta Deck: 5:12 Slope Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fas nails, 8" OC spacing. Nominal 1/2" Densdeck installed per m instructions for joints (staggered from sheathing) fastened w per 4'x8' sheet. Underlayment: Titanium UDL 30® stapled to face with 3" overlap. Roof Covering: Metal Sales Image II <sup>™</sup> 16" wide 26 GA Standing Seam Meta with rib/joint placed 6" from OSB joint fastened with #10-12 (
UNDER EAVE (SFM Standard 12-7A-3, SFM Listing Category 8160)	VENTS (ASTM E 2886/2886M, E 2912, SFM Listing Ca 8165)
LISTING No. 8160-2026:0006 CATEGORY: 8160 - UNDER EAVE FOR WILDLAND URBAN INTERACE (W.U.I) LISTEE: JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratnam@ijhresearchusa.com DESIGN: "CemSofti@" un-vented, fiber-cement softit, 3/16" thick and %" thick, under eave material. Refer to the manufacturer's installation instructions and product data sheets. RATING: Noncombustible CETERIOR WALL SIDING (SFM Standard 12-7A-1, SFM Listing Category 8140) 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@ijhresearchusa.com LISTING No. 8140-2026:0003 DESIGN: "Cempanel@" vertical siding, fiber-cement, 5/16" thick. Refer to the manufacturer's installation instructions and product data sheets.	LISTING No. 8165-2192:0500 CATEGORY: 8165 - VENTS FOR WILDLAND URBAN INT (W.U.I.) LISTEE: Vulcan Technologies8 Commercial Bivd, Suite E 94949 Contact: Larry Dumm (916) 626-2400 Fax (916) 647-0477 Email: Larry@newcalmetals.com DESIGN: Models VER2, VER2M, VER3, VER3M, VER4, ' VER6M Vulcan Eave Round Vents, Products are in sizes 2" diameter opening with a 1/4" flange, and a depth of 3/4". The manufactured out of 0.020" aluminum incorporating a 5mm 1 aluminum matrix core made of 0.05mm aluminum foil with a coating underneath the louver cap. Models with "M" contain steel, type 304 woven, 1/16" opening mesh screen, instaled louvers and the honeycomb core. Refer to manufacturer's in instructions and product data sheets. RATING: Tested in accordance with ASTM E2886 UNDER EAVE (SFM Standard 12-7A-3, SFM Listing Categor LISTING No. 8160-2026:0006 CATEGORY: 8160 – UNDER EAVE FOR WILDLAND URB. INTERFACE (W.U.I) LISTEE: JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratham (909) 641-0488 Fax (909) 42 Email: rathisha.sabaratham (909) 641-0488 Fax (909) 42 Email

### OSFM LISTED WILDLAND URBAN INTERFACE (WUI) PRODUCTS AND ASSEMBLIES COOP RANCH ROOF ROOF VUI Non-Wood Roof Covering/Assemblies for WUI Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180) (ASTM E 108, SFM Listing Category 8180) LISTING No. 8180-2299:0501 LISTING No. 8180-2299:0501 SEMBLIES FOR CATEGORY: 8180 -- NON-WOOD ROOF COVERING/ASSEMBLIES FOR CATEGORY: 8180 -- NON-WOOD ROOF COVERING/ASSEM WILDLAND URBAN INTERFACE (W.U.I) WILDLAND URBAN INTERFACE (W.U.I) **LISTEE:** Metal Sales Manufacturing Corporation **LISTEE:** Metal Sales Manufacturing Corporation 545 South 3rd Street, Suite 200, Louisville, KY 40202 545 South 3rd Street, Suite 200, Louisville, KY 40202 Contact: David Stermer (502) 855-4342 Fax (502) 855-4242 Contact: David Stermer (502) 855-4342 Fax (502) 855-4242 Email: dstermer@metalsales.us.com Email: dstermer@metalsales.us.com etal Roof System Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System Metal Sales Image II<sup>™</sup> 16" wide 26 GA Standing Seam Metal F Deck: 5:12 Slope Deck: 5:12 Slope astened with 2" Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fastened with 2" Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fasten manufacturer's nails, 8" OC spacing. Nominal 1/2" Densdeck installed per manufacturer's nails, 8" OC spacing. Nominal 1/2" Densdeck installed per man with 8 -2" nails instructions for joints (staggered from sheathing) fastened with 8 -2" nails instructions for joints (staggered from sheathing) fastened with per 4'x8' sheet. per 4'x8' sheet. Underlayment: Underlayment: Titanium UDL 30<sup>®</sup> stapled to face with 3" overlap. Titanium UDL 30® stapled to face with 3" overlap. Roof Covering: Roof Covering: etal Roof System │ Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System Metal Sales Image II<sup>™</sup> 16" wide 26 GA Standing Seam Metal F 2 (1") pancake with rib/joint placed 6" from OSB joint fastened with #10-12 (1") pancake with rib/joint placed 6" from OSB joint fastened with #10-12 (1" neet for additional head wood screws in the nail strip. Refer to listee's data sheet for additional head wood screws in the nail strip. Refer to listee's data sheet detailed product description. detailed product description. RATING: Class A RATING: Class A VENTS VENTS (ASTM E 2886/2886M, E 2912, SFM Listing Cate (ASTM E 2886/2886M, E 2912, SFM Listing Category Category 8165) 8165) LISTING No. 8165-2192:0500 **LISTING No.** 8165-2192:0500 ITERFACE CATEGORY: 8165 -- VENTS FOR WILDLAND URBAN INTERFACE CATEGORY: 8165 -- VENTS FOR WILDLAND URBAN INTER (W.U.I.) (W.U.I.) E, Novato, CA **LISTEE:** Vulcan Technologies8 Commercial Blvd, Suite E, Novato, CA LISTEE: Vulcan Technologies8 Commercial Blvd, Suite E, N 94949 94949 Contact: Larry Dumm (916) 626-2400 Fax (916) 647-0477 Contact: Larry Dumm (916) 626-2400 Fax (916) 647-0477 Email: Larry@newcalmetals.com Email: Larry@newcalmetals.com , VER4M, and **DESIGN:** Models VER2, VER2M, VER3, VER3M, VER4, VER4M, and **DESIGN:** Models VER2, VER2M, VER3, VER3M, VER4, VEI VER6M Vulcan Eave Round Vents. Products are in sizes 2", 3", 4", or 6" VER6M Vulcan Eave Round Vents. Products are in sizes 2", 3" 2", 3", 4", or 6" diameter opening with a 1/4" flange, and a depth of 3/4". The vents are diameter opening with a 1/4" flange, and a depth of 3/4". The ve he vents are manufactured out of 0.020" aluminum incorporating a 5mm hexagonal manufactured out of 0.020" aluminum incorporating a 5mm hexa n hexagonal aluminum matrix core made of 0.05mm aluminum foil with an intumescent aluminum matrix core made of 0.05mm aluminum foil with an in an intumescent coating underneath the louver cap. Models with "M" contain a stainless coating underneath the louver cap. Models with "M" contain a s in a stainless steel, type 304 woven, 1/16" opening mesh screen, installed between the steel, type 304 woven, 1/16" opening mesh screen, installed be ed between the installation louvers and the honeycomb core. Refer to manufacturer's installation louvers and the honeycomb core. Refer to manufacturer's insta instructions and product data sheets. instructions and product data sheets. **RATING:** Tested in accordance with ASTM E2886 **RATING:** Tested in accordance with ASTM E2886 UNDER EAVE UNDER EAVE ory 8160) (SFM Standard 12-7A-3, SFM Listing Category 8160) (SFM Standard 12-7A-3, SFM Listing Category LISTING No. 8160-2026:0006 LISTING No. 8160-2026:0006 CATEGORY: 8160 -- UNDER EAVE FOR WILDLAND URBAN BAN CATEGORY: 8160 -- UNDER EAVE FOR WILDLAND URBAN INTERFACE (W.U.I) INTERFACE (W.U.I) LISTEE: JAMES HARDIE BUILDING PRODUCTS, INC. **LISTEE:** JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 10901 Elm Avenue, Fontana, CA 92337 427-0634 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0

/16" thick and ¼" DESIGN: "CemSoffit®" un-vented, fiber-cement soffit, 3/16" thick and ¼ allation

Email: rathisha.sabaratnam@jhresearchusa.com

instructions and product data sheets.

WILDLAND URBAN INTERFACE (W.U.I)

10901 Elm Avenue, Fontana, CA 92337

**LISTING No.** 8140-2026:0003

JAMES HARDIE BUILDING PRODUCTS, INC.

Email: rathisha.sabaratnam@jhresearchusa.com

**RATING:** Noncombustible

thick, under eave material. Refer to the manufacturer's installation

**EXTERIOR WALL SIDING** 

(SFM Standard 12-7A-1, SFM Listing Category 8140)

Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634

manufacturer's installation instructions and product data sheets.

**DESIGN:** "Cempanel®" lap siding, fiber-cement, 5/16" thick. Refer to the

ory 8140)

EATHING FOR **CATEGORY:** 8140 -- EXTERIOR WALL SIDING AND SHEATHING FOR

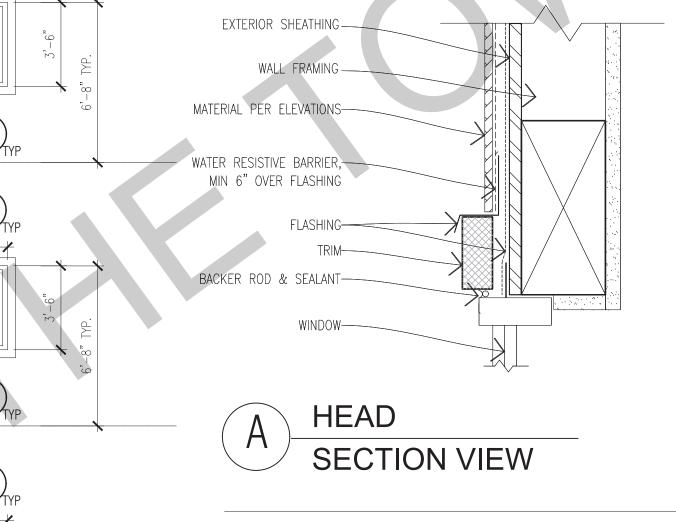
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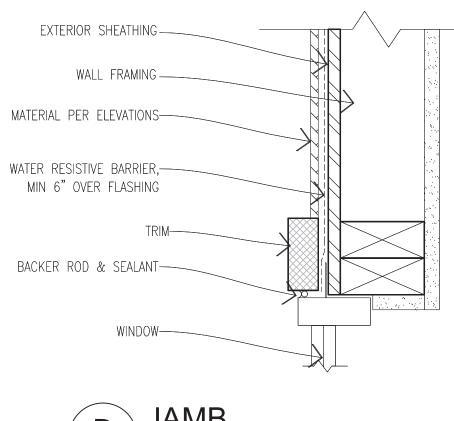
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COOP           ROOF           NOOF           Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180)           Listing Category 8180           Listing No. 8180-2299-0501           CATEGORY: 8180 - NON-WOOD ROOF COVERING/ASSEMBLIES FOR           WILDLAND URBAN INTERFACE (W.U.I)           Listing Category 8180           Metal Sales Manufacturing Corporation           S45 South 376 Street, Suite 200, Losize (W.U.I)           Listing Category 8120           Metal Sales Manufacturing Corporation           S45 South 376 Street, Suite 200, Losize (W.U.I)           Listing Category 8120           Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System With ribjoint placed 6" from CSI point fastened with #10-12 (1") pancake head wood screws in the nall strip. Refer to liste's data sheet for additional detailed product description.           RATINE Cases VENTS           VENTS           ASSIG/S886/M. E 2912, SFM Listing Category 8165           NULLIAND URBAN INTERFACE           WENTS           Contact Larry Dumm (916) 626-2400 Fax (916) 647-0477           Email: distree data sheet for additional detailed product description.	Union       Union       Union       Union         Union       Union       Union       Union       Union         Union       Union       Union       Union       Union       Union         Union<
EXTERIOR WALL SIDING (SFM Standard 12-7A-1, SFM Listing Category 8140)	Town of Paradise Pre-Approved
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. 8140-2026:0003 DESIGN: "Cempanel®" lap siding, fiber-cement, 5/16" thick. Refer to the manufacturer's installation instructions and product data sheets.	revisions ADU Program revisions A C C C C C C C C C C C C C

WIN	DOW	SCHE	DULE							DO	OR SCHEDU	LE								
VINDOW		OW SIZE	OPER.	QNTY	FRAME	HEAD	LOCATION	REMARK	6	DOOR	DOOR TYPE		DOOR SIZ		CORE	MATERIAL	FRAME	LOCATION	REMARKS	
	WIDTH 2'- <sup>0"</sup>	HEIGHT	SINGLE HUNG	2	VINYL	HEIGHT 6'-8" LIN	VING ROOM		)	1	FRENCH DOOR	WIDTH	HEIGHT 6'- <sup>8"</sup>	THICK.	CI			FRONT ENTRY		
B	2'-° 2'- <sup>0"</sup>	2'- <sup>4</sup> "	CASEMENT	3	VINYL	+	VING ROOM & BATHROOM	TEMPEREL		2	SINGLE DOOR	2'- <sup>6"</sup>	6'- <sup>8</sup> "	1-3/4"	GL HLW	VNL/GLASS WOOD	WD	WATER HEATER CLOSET	LOUVERED	
С	2'- <sup>10"</sup>	1'- <sup>10"</sup>	AWNING	1	VINYL	6'-8" BA	ATHROOM	TEMPEREI	)	3	CLOSET DOOR	4'- <sup>8"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	CLOSET		
D	2'- <sup>4</sup> "	3'- <sup>0"</sup>	SINGLE HUNG	1	VINYL		TCHEN	TEMPERE		4	BI-FOLD DOOR	3'- <sup>0"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	WASH ROOM		
E	6'- <sup>0"</sup>	3'- <sup>6"</sup>	SLIDER	1	VINYL	6'-8" LI\	VING ROOM		)	5	SINGLE DOOR	3'- <sup>0"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	BATHROOM		
WIN	DOW	NOTES				<u> </u>														
1. SEI	EXTERIO	OR ELEVAT	ION FOR DIRECT				(ALL OPERABLE WINDOWS		201/2	┥										
3. ALI	GLAZING	G WILL BE I	NSTALLED WITH .	A CERTIFY	ING LABEL	ATTACHED, S	ACTOR TO FIELD VERIFY AC SHOWING THE NFRC LABEL.		DOWS											
5. WI	IDOWS SI	HALL MEET		FILTRATIO	ON REQUIRE		TITLE 24 ENERGY REQUIRE SECTION 116 E.E.S.D	VIENTS.												
7. EV	RY SLEE	PING ROO	M SHALL HAVE O	NE OPERA	ABLE WINDC				DPENABLE AREA OF 5.7 SQ. FT, F. PER CRC SECTION 310.1.	DOC	OR NOTES									
8. TEI	/IPERED (	GLASS SHA	LL BE PERMANE	NTLY IDEN	ITIFIED AND	VISIBLE WHE	EN THE UNIT IS GLAZED. WITH NATURAL VENTILATIO			1. ALL 0	GLASS IN DOORS SHAL	L BE TEMPI	ERED. TEM	PERED G	LASS SH	ALL BE PERN	MANENTLY	/ IDENTIFIED AND VISIBLE WHE	N THE UNIT IS GLAZED.	
	ARTIFICIA	AL LIGHT. (	CBC SECTIONS 12	203.4 AND	1205.1 AND	R303	ESS THAN 8%OF THE FLOO			2. ALL C 3. REFE	GLAZING WILL BE INST ER TO FLOOR PLANS F	ALLED WITH	H A CERTIF	ING LAE	BEL ATTA G.	CHED, SHOW	VING THE "	"U" VALUE.		
		MUM OPEN	ABLE AREA TO T	HE OUTDO	ORS FOR N	IATURAL VEN	ITILATION SHALL BE 4% OF PENINGS WITHIN EXTERIOR	HE FLOOR AREA BEING VE	NTILATED. SECTION 1203.4	5. VENT	RS SHALL MEET THE M TILATION SHALL COMP RS MAX OPEN TO THE	LY WITH C.E	B.C. 1203.4	ND R30	3.					
	MINIMUM	OF ONE TE	EMPERED PANE				NCE-RATED WALL ASSEMB			THAN	RS MAY OPEN TO THE N THE DOOR THRESHO ZED OPENINGS WITHIN	DLD. SECTI	ON R311.3.	CRC				AN 1-22 INCH LOWER	D PANE.	
			NOTE #13 DOWS SHALL BE	FULLY TE	MPERED: (C	RC R308.4)					FOLLOWING WINDOWS -SLIDING/SWINGIN	S SHALL BE IG GLASS D	FULLY TEN OORS	PERED:	(CRC R30	08.4)				
			IGING GLASS DO /ALLS AND ENCLO	-	ACING HOT	, TUBS, SPAS,	WHIRLPOOLS, SAUNAS, ST	EAM ROOMS, BATHTUBS, SH	IOWERS AND SWIMMING		GLAZING IS L	LESS THAN				, ,	,	, , , ,	HTUBS, SHOWERS AND SWIMMING POOLS W THIN 60 INCHES HORIZONTALLY OF THE WA	
			VHERE THE GLAZ				VE THE STANDING SURFAC	E WITHIN THE COMPARTMEN	NT AND WITHIN 60 INCHES			A 24" ARC O						HE FLOOR. SAFETY GLAZING R SE SIDE OF AN IN-SWING DOOR	REQUIRED ON A WALL LESS THAN 180 DEGRE	EES FRO
	-GL	AZING WIT	HIN A 24" ARC OF	A DOOR 1	THAT IS LES	S THAN 60 IN	CHES ABOVE THE FLOOR. S SITION AND WITHIN 24" OF				-GLAZING WHERE	THE EXPOS	SED AREA IS	GREAT	ER THAN	9SQ.FT, BOT	TTOM IS LE		36 IN. ABOVE THE FLOOR, AND ADJACENT T	ΟA
	-GL						, BOTTOM IS LESS THAN 18 OTTOM TREAD OF A STAIRV		,					NDINGS,	AND RAM	MPS WITHIN 3	36IN. HORI	IZONTALLY OF THE WALKING S	URFACE LESS THAN 36IN. ABOVE THE WALK	ING
	_		UARDS AND RAIL ACENT TO STAIR	-	NDINGS, AN	D RAMPS WIT	THIN 36IN. HORIZONTALLY C	F THE WALKING SURFACE L	ESS THAN 36IN. ABOVE THE	9. 708	SURFACE 3A.2.1 EXTERIOR WIND 1 RECONSTRUCTED								EMENTS OF SECTION 2406 SAFETY GLAZING	
13. 70	-	TERIOR WI	-				REQUIREMENTS:				2. BE CONSTRUCTED	O OF GLASS	BLOCK UN	TS, OR				D IN ACCORDANCE TO NFPA 25		J, UK
	GLAZIN	NG, OR				MINIMUM OF	ONE TEMPERED PANE MEE	TING THE REQUIREMENTS (	OF SECTION 2406 SAFETY		4. BE TESTED TO ME A.3 EXTERIOR DOORS.	ET THE PEF	RFORMANC DOORS SH	E REQUI	REMENT: IPLY WIT	S OF SFM STA H ONE OF TH	ANDARD 1 IE FOLLOV	12-7A-2. VING:	.,	
	3. HAV	/E A FIRE-F		IG OF NOT	LESS THAN		WHEN TESTED IN ACCORD	ANCE TO NFPA 257, OR			2. THE EXTERIOR SU	JRFACE OR	CLADDING	SHALL B	E IGNITIC	ON RESISTAN	IT MATERI			
	4. BE	TESTED TC	MEET THE PERF	ORMANCE	EREQUIREN	MENTS OF SF	M STANDARD 12-7A-2.				3. THE EXTERIOR DO 3.1 STILES AND RA 3.2 RAISED PANEL	AILS SHALL I	NOT BE LES	S THAN	1-3/8" TH	ICK.	DIHATCO	OMPLY WITH THE FOLLOWING I	REQUIREMENTS:	
											EXCEPT FOR THE	EXTERIOR I	PERIMETER	OF THE	PANEL T	HAT SHALL E		TTED TO TAPER TO A TONGUE I HAN 20 MINUTES WHEN TESTED	NOT LESS THAN ¾" THICK. D ACCORDING TO THE NFPA 252.	
											5. THE EXTERIOR SU	JRFACE OR	CLADDING	SHALL B	E TESTEI	D TO MEET T	HE PERFC		WHEN TESTED IN ACCORDANCE WITH ASTM	i E2707.
									A											
/	5'-0"	///////	2'-	0"	<u>2'-</u>	·0"	2'-10"	2'-4"	6'-0" TYP											
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						2'-4		3,-0,			EXTERIOR SI	HEATHING					18. 	EXTERIOR SHEATHING		
	00	∞ 								8" TYP	WALL	FRAMING —				12 - 1 14 - 1 14 - 1		WALL FRAMING		
				<u></u> + \		7				6,	MATERIAL PER EL	_EVATIONS						MATERIAL PER ELEVATIONS-		
				]	< E	<u>}</u>	<pre>C</pre>		(E) (C)											
FXTF	RIOR RA	RN FI FVA	TION 1/4"=1	'_0"						N	WATER RESISTIVE MIN 6" OVER							WATER RESISTIVE BARRIER,— MIN 6" OVER FLASHING		
	5'-0"				o'	o"			(A) TYP			FLASHING		$\rightarrow \boxtimes$				TDIM		
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							- 10"				BACKER ROD &	SEALANT					- 14 	BACKER ROD & SEALANT—		
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EXTE	RIOR CR	AFTSMAN	I ELEVATION	1/4"=1'-	0"				$\frown$			SE	CTIO	N V	IEW			F	YLAN VIEW	
	5'-0"		? <b>'</b> _	∩"	2'-	·()"	2'-10"	2'_4"	6'-0"											
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						2'-4"		"0 -	, , , , , , , , , , , , , , , , , , ,			: 3"=1'-			-					
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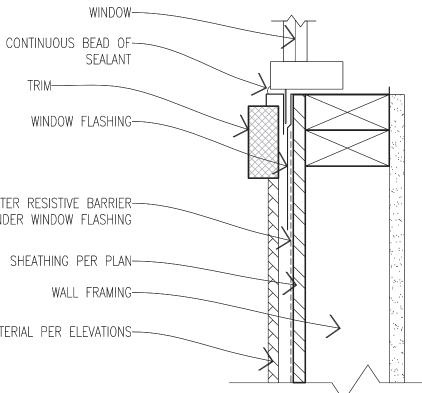














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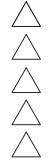
BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING LINIT, (ADL), DECRAM FOR

ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF PARADISE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S ALL INFORMATION RELEVANT TO THE RECIPIENT'S 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 DE AT THAT THE USE OF THIS INFORMATION WILL BE AT 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 OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL 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 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

Town of Paradise Pre-Approved ADU Program

revisions



description

Window & Door Schedules

date	## Month 20##
project no.	20##_xxxxx
drawn by	xxx/xxx
sheet no.	<b>\0.1</b>

The roof must be Class A fire-resistant rated and kept clear of debris. Several roofing materials have been tested as a roofing system to meet the ASTM E108 or UL 790 Class A requirements, including but

### not limited to the following:

Asphalt shingles Concrete, brick, or masonry tiles with bird stops to reduce debris accumulation Metal shingles or sheets

Gutters & Downspouts: Gutters and downspouts must be made out of noncombustible material. Gutters and

### downspouts must

be kept clear of debris such as leaves and pine needles. Gutters must be covered (with a noncombustible material) to prevent the collection of debris such as

leaves and pine needles

### Building Features:

Ventilation openings for enclosed attics, gable ends, ridge ends, enclosed eave soffit spaces, enclosed

### rafter spaces formed where ceilings are applied directly to the underside of roof rafters,

underfloor ventilation, foundations, and crawl spaces; under eaves and cornices; or for any other opening intended to permit ventilation, either in a horizontal or vertical surface, must resist the intrusion of

embers and flames by meeting one of the following requirements: Performance: Corrosion-resistant vents conforming with the following ASTM E2886 test requirements:

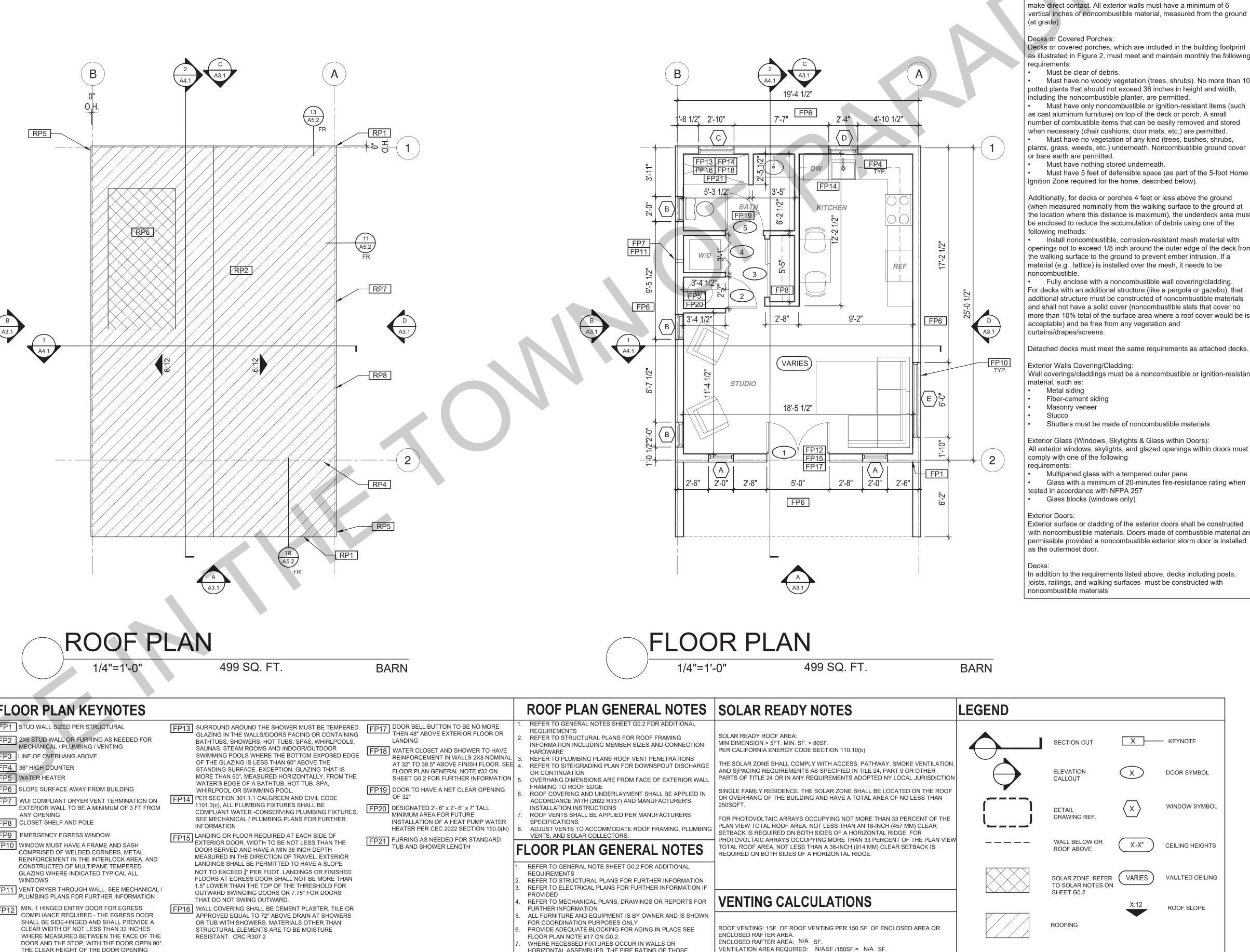
- No flaming ignition of the cotton material during the Ember Intrusion Test. No flaming ignition during the Integrity Test portion of the Flame Intrusion Test ••
- Temperature of the unexposed side of the vent does not exceed 662°F. Prescriptive: Vents must be made of a noncombustible material and covered with noncombustible, corrosion-resistant mesh with openings not to exceed 1/8 inch.
- •• Exceptions: Dryer vents must have a louver or flap in lieu of mesh. Plumbing vents are excluded from these requirements.

### Eaves & Soffits:

In addition to the requirement for vent openings at eaves and soffits listed above, eaves and soffits must be enclosed or protected on the exposed underside by one of the following:

- Noncombustible materials
- Ignition-resistant materials
- Materials approved for not less than 1-hour fire-resistance-rated construction 2-inch nominal dimension lumber

Dryer vents must be made of noncombustible (i.e., metal) material and have a louver or





ROOF KEYNOTES	
RP1 LINE OF ROOF OVERHANG	
RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 AND WUI SPEC ON G0.5	
RP3 SUPPORT POST BELOW	
RP4 LINE OF WALLS BELOW	
RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS	
RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READ ON THIS SHEET	Y NOTES
RP7 WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, EN	

R EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES. OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6. THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THRU THE VENTILATION OPENINGS. (R337 6 1)

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

- i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST.
- ii. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. iii. THE MAX, TEMP, OF THE UNEXPOSED SIDE OF THE VENT SHALI NOT EXCEED 662° (350°C). (R337.6.2)
- ROOF GUTTERS OF A NON-CUMBUSTIBLE MATERIAL SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF
- LEAVES AND DEBRIS IN THE GUTTER.

# **FLOOR PLAN KEYNOTES**

FP1	STUD WALL SIZED PER STRUCTURAL	FP13	SURROUND AROUND THE
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING		GLAZING IN THE WALLS/D BATHTUBS, SHOWERS, HO SAUNAS, STEAM ROOMS
FP3	LINE OF OVERHANG ABOVE		SWIMMING POOLS WHERI
FP4	36" HIGH COUNTER		OF THE GLAZING IS LESS STANDING SURFACE. EXC
FP5	WATER HEATER		MORE THAN 60", MEASUR WATER'S EDGE OF A BAT
FP6	SLOPE SURFACE AWAY FROM BUILDING		WHIRLPOOL OR SWIMMIN
FP7 FP8	WUI COMPLIANT DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING CLOSET SHELF AND POLE	FP14	PER SECTION 301.1.1 CAL 1101.3(c), ALL PLUMBING F COMPLIANT WATER -CON SEE MECHANICAL / PLUMI INFORMATION
FP9	EMERGENCY EGRESS WINDOW	FP15	LANDING OR FLOOR REQU
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		DOOR SERVED AND HAVE MEASURED IN THE DIREC LANDINGS SHALL BE PERI NOT TO EXCEED <sup>1</sup> / <sub>4</sub> " PER FO FLOORS AT EGRESS DOO
FP11	VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION		1.5" LOWER THAN THE TO OUTWARD SWINGING DOO THAT DO NOT SWING OUT
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 OPEN 90°.	FP16	WALL COVERING SHALL E APPROVED EQUAL TO 72" OR TUB WITH SHOWERS. STRUCTURAL ELEMENTS RESISTANT. CRC R307.2

SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT

MEASURED FROM THE TOP OF THE THRESHOLD

TO THE BOTTOM OF THE STOP

- HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE
- ASSEMBLIES SHALL BE MAINTAINED AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING

VENTILATION AREA REQUIRED: N/A SF./150SF.= N/A SF. CONVERT TO SQ. IN: N/A SF. x  $\overline{144} = N/A$  SQ. IN. MINIMUM VENTILATION AREA REQUIRED: N/A SQ. IN. VENTS ARE TO BE MANUFACTURED BY VULCAN AND WUI COMPLIANT.

STANDARD OR ROUND BOTH ARE ACCEPTABLE METHODS TO ACHIEVE MIN. AREA

# WILD FIRE PREPARED HOME **STANDARDS FLOOR PLAN NOTES:**

Ground Clearance for Exterior Walls Covering/Cladding: Exterior walls are vulnerable because embers can accumulate and make direct contact. All exterior walls must have a minimum of 6 vertical inches of noncombustible material, measured from the ground

Decks or covered porches, which are included in the building footprint as illustrated in Figure 2, must meet and maintain monthly the following

Must have no woody vegetation (trees, shrubs). No more than 10 potted plants that should not exceed 36 inches in height and width,

Must have only noncombustible or ignition-resistant items (such as cast aluminum furniture) on top of the deck or porch. A small number of combustible items that can be easily removed and stored when necessary (chair cushions, door mats, etc.) are permitted. Must have no vegetation of any kind (trees, bushes, shrubs,

Must have 5 feet of defensible space (as part of the 5-foot Home

Additionally, for decks or porches 4 feet or less above the ground (when measured nominally from the walking surface to the ground at the location where this distance is maximum), the underdeck area must be enclosed to reduce the accumulation of debris using one of the

 Install noncombustible, corrosion-resistant mesh material with openings not to exceed 1/8 inch around the outer edge of the deck from the walking surface to the ground to prevent ember intrusion. If a

Fully enclose with a noncombustible wall covering/cladding. For decks with an additional structure (like a pergola or gazebo), that additional structure must be constructed of noncombustible materials and shall not have a solid cover (noncombustible slats that cover no more than 10% total of the surface area where a roof cover would be is

Wall coverings/claddings must be a noncombustible or ignition-resistant

All exterior windows, skylights, and glazed openings within doors must

Glass with a minimum of 20-minutes fire-resistance rating when

Exterior surface or cladding of the exterior doors shall be constructed with noncombustible materials. Doors made of combustible material are permissible provided a noncombustible exterior storm door is installed

joists, railings, and walking surfaces must be constructed with

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

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

broject

# -Town of Paradise Pre-Approved ADU Program

revisions



description

Floor/Roof Plan Barn

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	1.1

The roof must be Class A fire-resistant rated and kept clear of debris. Several roofing materials have been tested as a roofing system to meet the ASTM E108 or UL 790 Class A requirements, including but

### not limited to the following:

Asphalt shingles Concrete, brick, or masonry tiles with bird stops to reduce debris accumulation Metal shingles or sheets

### Gutters & Downspouts:

Gutters and downspouts must be made out of noncombustible material. Gutters and downspouts must

### be kept clear of debris such as leaves and pine needles.

Gutters must be covered (with a noncombustible material) to prevent the collection of debris such as leaves and pine needles

### Building Features:

Ventilation openings for enclosed attics, gable ends, ridge ends, enclosed eave soffit spaces, enclosed

### rafter spaces formed where ceilings are applied directly to the underside of roof rafters, underfloor

ventilation, foundations, and crawl spaces; under eaves and cornices; or for any other opening intended to permit ventilation, either in a horizontal or vertical surface, must resist the intrusion of

### embers and flames by meeting one of the following requirements:

Performance: Corrosion-resistant vents conforming with the following ASTM E2886 test requirements: No flaming ignition of the cotton material during the Ember Intrusion Test.

- No flaming ignition during the Integrity Test portion of the Flame Intrusion Test •• Temperature of the unexposed side of the vent does not exceed 662°F. Prescriptive: Vents must be made of a noncombustible material and covered with
- noncombustible, corrosion-resistant mesh with openings not to exceed 1/8 inch.
- •• Exceptions: Dryer vents must have a louver or flap in lieu of mesh. Plumbing vents are excluded from these requirements.

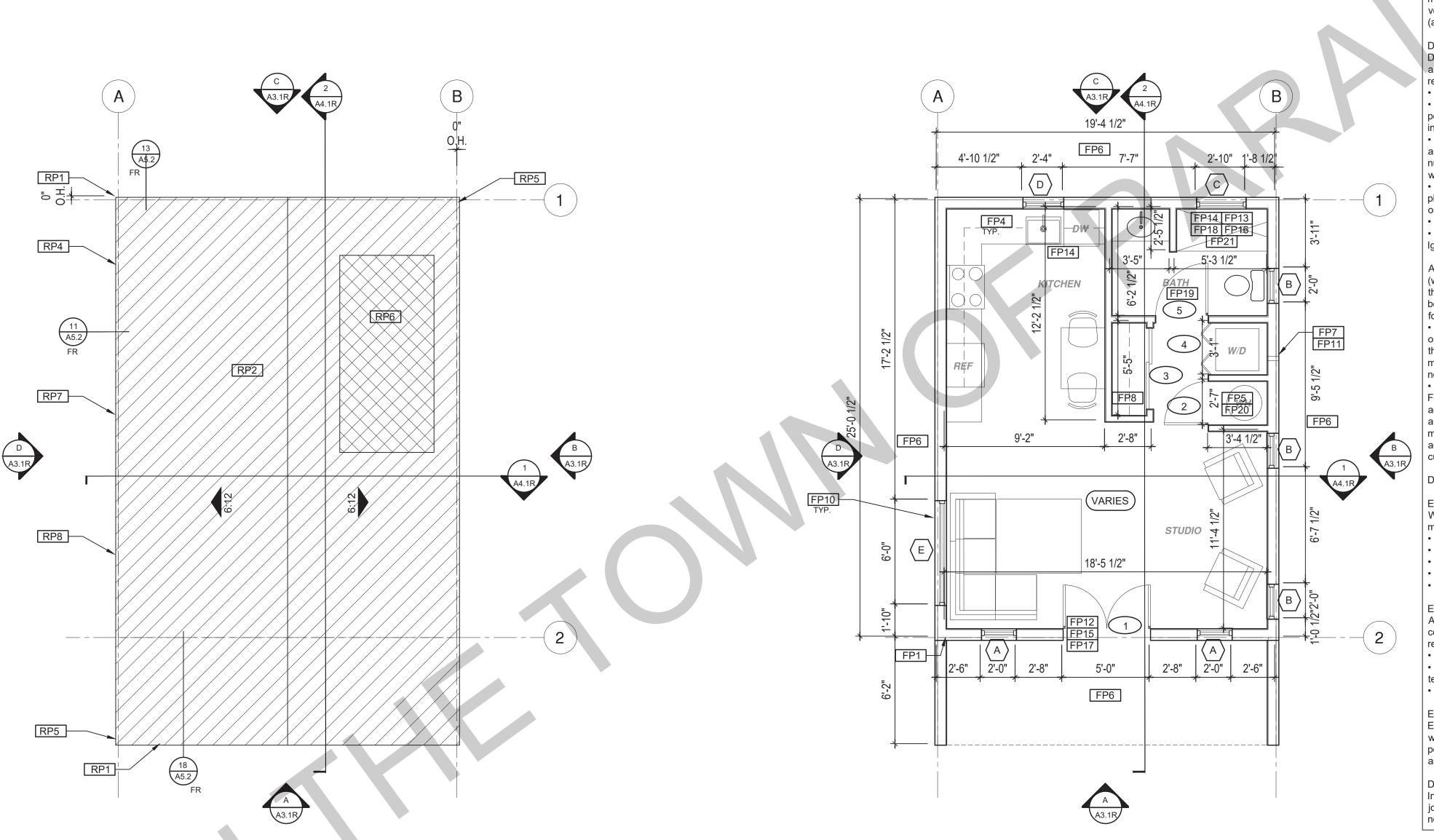
### Eaves & Soffits:

In addition to the requirement for vent openings at eaves and soffits listed above, eaves and soffits must be enclosed or protected on the exposed underside by one of the following:

### Noncombustible materials Ignition-resistant materials

Materials approved for not less than 1-hour fire-resistance-rated construction 2-inch nominal dimension lumber

Dryer vents must be made of noncombustible (i.e., metal) material and have a louver or





### **ROOF KEYNOTES** RP1 LINE OF ROOF OVERHANG RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 AND WUI SPEC ON G0.5 RP3 SUPPORT POST BELOW RP4 LINE OF WALLS BELOW RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET RP7 WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES. OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6.1 THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THRU THE VENTILATION OPENINGS. (R337 6 1) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE

FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON

- MATERIAL DURING THE EMBER INTRUSION TEST.
- ii. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. iii. THE MAX. TEMP. OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662° (350°C). (R337.6.2)
- ROOF GUTTERS OF A NON-CUMBUSTIBLE MATERIAL SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

**FLOOR PLAN KEYNOTES** 

_		
	FP1 STUD WALL SIZED PER STRUCTURAL	FP13 SURROUND AROUND THE SHOWER MUST BE TEMPERED GLAZING IN THE WALLS/DOORS FACING OR CONTAINING
	FP2 2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING	BATHTUBS, SHOWERS, HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS AND INDOOR/OUTDOOR
	FP3 LINE OF OVERHANG ABOVE	SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDG OF THE GLAZING IS LESS THAN 60" ABOVE THE
	FP4 36" HIGH COUNTER FP5 WATER HEATER	STANDING SURFACE. EXCEPTION: GLAZING THAT IS MORE THAN 60", MEASURED HORIZONTALLY, FROM THE
	FP6 SLOPE SURFACE AWAY FROM BUILDING	WATER'S EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL OR SWIMMING POOL.
	FP7WUI COMPLIANT DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENINGFP8CLOSET SHELF AND POLE	FP14 PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 1101.3(c), ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER -CONSERVING PLUMBING FIXTURES SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION
	FP9 EMERGENCY EGRESS WINDOW	FP15 LANDING OR FLOOR REQUIRED AT EACH SIDE OF
, .1 =	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	EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN THE DOOR SERVED AND HAVE A MIN 36 INCH DEPTH MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED <sup>1</sup> / <sub>4</sub> " PER FOOT. LANDINGS OR FINISHED FLOORS AT EGRESS DOOR SHALL NOT BE MORE THAN
	FP11 VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION	1.5" LOWER THAN THE TOP OF THE THRESHOLD FOR OUTWARD SWINGING DOORS OR 7.75" FOR DOORS THAT DO NOT SWING OUTWARD.
Y	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	FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R307.2
L	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

### BARN - REVERSE



499 SQ. FT.

		RUUI
<ul> <li>THE SHOWER MUST BE TEMPERED.</li> <li>S/DOORS FACING OR CONTAINING</li> <li>S, HOT TUBS, SPAS, WHIRLPOOLS,</li> <li>MS AND INDOOR/OUTDOOR</li> <li>IERE THE BOTTOM EXPOSED EDGE</li> <li>ESS THAN 60" ABOVE THE</li> <li>EXCEPTION: GLAZING THAT IS</li> <li>SURED HORIZONTALLY, FROM THE</li> <li>BATHTUB, HOT TUB, SPA,</li> <li>MING POOL.</li> <li>CALGREEN AND CIVIL CODE</li> <li>NG FIXTURES SHALL BE</li> <li>CONSERVING PLUMBING FIXTURES.</li> <li>UMBING PLANS FOR FURTHER</li> <li>EQUIRED AT EACH SIDE OF</li> <li>TU TO DE NOT L SOO TUAN TUE</li> </ul>	<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> <li>7.</li> <li>8.</li> </ol>	REFER TO REQUIREN REFER TO INFORMAT HARDWAR REFER TO REFER TO OR CONTI OVERHAN FRAMING ROOF COT ACCORDA INSTALLA ROOF VEN SPECIFICA ADJUST V VENTS, AN
TH TO BE NOT LESS THAN THE AVE A MIN 36 INCH DEPTH RECTION OF TRAVEL. EXTERIOR	FI	LOOR

# **ROOF PLAN GENERAL NOTES** | SOLAR READY NOTES

- O GENERAL NOTES SHEET G0.2 FOR ADDITIONAL EMENTS TO STRUCTURAL PLANS FOR ROOF FRAMING
- ATION INCLUDING MEMBER SIZES AND CONNECTION
- O PLUMBING PLANS ROOF VENT PENETRATIONS TO SITE/GRADING PLAN FOR DOWNSPOUT DISCHARGE TINUATION
- NG DIMENSIONS ARE FROM FACE OF EXTERIOR WAL G TO ROOF EDGE
- OVERING AND UNDERLAYMENT SHALL BE APPLIED IN DANCE WITH (2022 R337) AND MANUFACTURER'S
- ATION INSTRUCTIONS ENTS SHALL BE APPLIED PER MANUFACTURERS CATIONS
- VENTS TO ACCOMMODATE ROOF FRAMING, PLUMBIN AND SOLAR COLLECTORS.

# LOOR PLAN GENERAL NOTES

- REFER TO GENERAL NOTE SHEET G0.2 FOR ADDITIONAL REQUIREMENTS REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION IF PROVIDED
- REFER TO MECHANICAL PLANS, DRAWINGS OR REPORTS FOR FURTHER INFORMATION ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN
- FOR COORDINATION PURPOSES ONLY PROVIDE ADEQUATE BLOCKING FOR AGING IN PLACE SEE
- FLOOR PLAN NOTE #17 ON G0.2 WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE
- ASSEMBLIES SHALL BE MAINTAINED AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING

# 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.

# VENTING CALCULATIONS

ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: N/A SF

VENTILATION AREA REQUIRED: <u>N/A</u>SF./150SF.=<u>N/A</u>SF. CONVERT TO SQ. IN: N/A SF. x 144 = N/A SQ. IN. MINIMUM VENTILATION AREA REQUIRED: N/A SQ. IN. VENTS ARE TO BE MANUFACTURED BY VULCAN AND WUI COMPLIANT. STANDARD OR ROUND BOTH ARE ACCEPTABLE METHODS TO ACHIEVE MIN. AREA

# WILD FIRE PREPARED HOME **STANDARDS FLOOR PLAN NOTES:**

Ground Clearance for Exterior Walls Covering/Cladding: Exterior walls are vulnerable because embers can accumulate and make direct contact. All exterior walls must have a minimum of 6 vertical inches of noncombustible material, measured from the ground (at grade)

Decks or Covered Porches:

Decks or covered porches, which are included in the building footprint as illustrated in Figure 2, must meet and maintain monthly the following requirements: Must be clear of debris.

Must have no woody vegetation (trees, shrubs). No more than 10 potted plants that should not exceed 36 inches in height and width, including the noncombustible planter, are permitted.

Must have only noncombustible or ignition-resistant items (such as cast aluminum furniture) on top of the deck or porch. A small number of combustible items that can be easily removed and stored when necessary (chair cushions, door mats, etc.) are permitted. Must have no vegetation of any kind (trees, bushes, shrubs, plants, grass, weeds, etc.) underneath. Noncombustible ground cover

or bare earth are permitted.

Must have nothing stored underneath. Must have 5 feet of defensible space (as part of the 5-foot Home Ignition Zone required for the home, described below).

Additionally, for decks or porches 4 feet or less above the ground (when measured nominally from the walking surface to the ground at the location where this distance is maximum), the underdeck area must be enclosed to reduce the accumulation of debris using one of the following methods:

 Install noncombustible, corrosion-resistant mesh material with openings not to exceed 1/8 inch around the outer edge of the deck from the walking surface to the ground to prevent ember intrusion. If a material (e.g., lattice) is installed over the mesh, it needs to be noncombustible.

• Fully enclose with a noncombustible wall covering/cladding. For decks with an additional structure (like a pergola or gazebo), that additional structure must be constructed of noncombustible materials and shall not have a solid cover (noncombustible slats that cover no more than 10% total of the surface area where a roof cover would be is acceptable) and be free from any vegetation and curtains/drapes/screens.

Detached decks must meet the same requirements as attached decks.

Exterior Walls Covering/Cladding:

Wall coverings/claddings must be a noncombustible or ignition-resistant material, such as:

- Metal siding
- Fiber-cement siding Masonry veneer
- Stucco

Shutters must be made of noncombustible materials

Exterior Glass (Windows, Skylights & Glass within Doors): All exterior windows, skylights, and glazed openings within doors must comply with one of the following requirements:

Multipaned glass with a tempered outer pane Glass with a minimum of 20-minutes fire-resistance rating when

tested in accordance with NFPA 257

Glass blocks (windows only)

### Exterior Doors:

Exterior surface or cladding of the exterior doors shall be constructed with noncombustible materials. Doors made of combustible material are permissible provided a noncombustible exterior storm door is installed as the outermost door.

### Decks:

In addition to the requirements listed above, decks including posts, joists, railings, and walking surfaces must be constructed with noncombustible materials



 $\Box$ 

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project

# Pre-Approved ADU Program

revisions

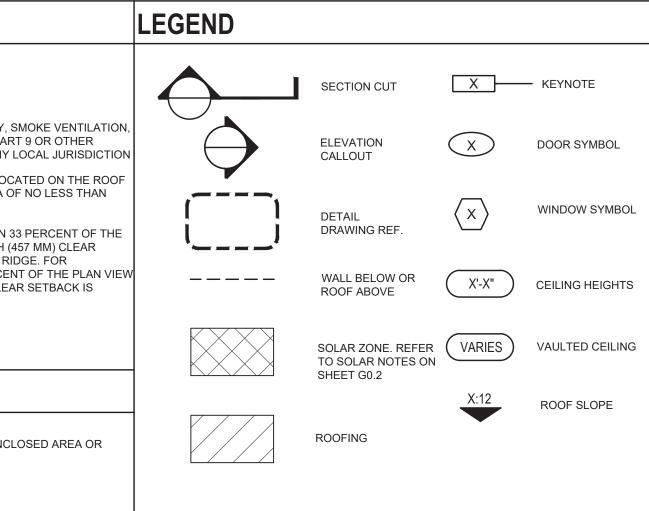


description

Floor/Roof Plan Barn - Reverse

date	## Month 20##
project no.	20##_xxxxx
drawn by	xxx/xxx
sheet no.	1.1R

# BARN - REVERSE



The roof must be Class A fire-resistant rated and kept clear of debris. Several roofing materials have been tested as a roofing system to meet the ASTM E108 or UL 790 Class A requirements, including but

### not limited to the following:

Asphalt shingles Concrete, brick, or masonry tiles with bird stops to reduce debris accumulation Metal shingles or sheets

### Gutters & Downspouts:

Gutters and downspouts must be made out of noncombustible material. Gutters and downspouts must

### be kept clear of debris such as leaves and pine needles.

Gutters must be covered (with a noncombustible material) to prevent the collection of debris such as

### leaves and pine needles

Building Features:

Ventilation openings for enclosed attics, gable ends, ridge ends, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters,

### underfloor

ventilation, foundations, and crawl spaces; under eaves and cornices; or for any other opening intended to permit ventilation, either in a horizontal or vertical surface, must resist the intrusion of

embers and flames by meeting one of the following requirements: Performance: Corrosion-resistant vents conforming with the following ASTM E2886 test requirements:

- No flaming ignition of the cotton material during the Ember Intrusion Test. No flaming ignition during the Integrity Test portion of the Flame Intrusion Test ••
- Temperature of the unexposed side of the vent does not exceed 662°F. Prescriptive: Vents must be made of a noncombustible material and covered with noncombustible, corrosion-resistant mesh with openings not to exceed 1/8 inch.
- •• Exceptions: Dryer vents must have a louver or flap in lieu of mesh.
- Plumbing vents are excluded from these requirements.

### Eaves & Soffits:

In addition to the requirement for vent openings at eaves and soffits listed above, eaves and soffits must be enclosed or protected on the exposed underside by one of the following:

### Noncombustible materials Ignition-resistant materials

Materials approved for not less than 1-hour fire-resistance-rated construction 2-inch nominal dimension lumber

Dryer vents must be made of noncombustible (i.e., metal) material and have a louver or

# В 1'-0" O.H. RP5 RP6 (RP2)



### RP1 LINE OF ROOF OVERHANG RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 AND WUI SPEC ON G0.5 RP3 SUPPORT POST BELOW RP4 LINE OF WALLS BELOW RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS

**ROOF KEYNOTES** 

RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET RP7 WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6.

> THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THRU THE VENTILATION OPENINGS. (R337 6 1) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED BY COMPLYING WITH ALL OF THE FOLLOWING

- REQUIREMENTS i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST.
- ii. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. iii. THE MAX, TEMP, OF THE UNEXPOSED SIDE OF THE VENT SHALI NOT EXCEED 662° (350°C). (R337.6.2)
- ROOF GUTTERS OF A NON-CUMBUSTIBLE MATERIAL SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

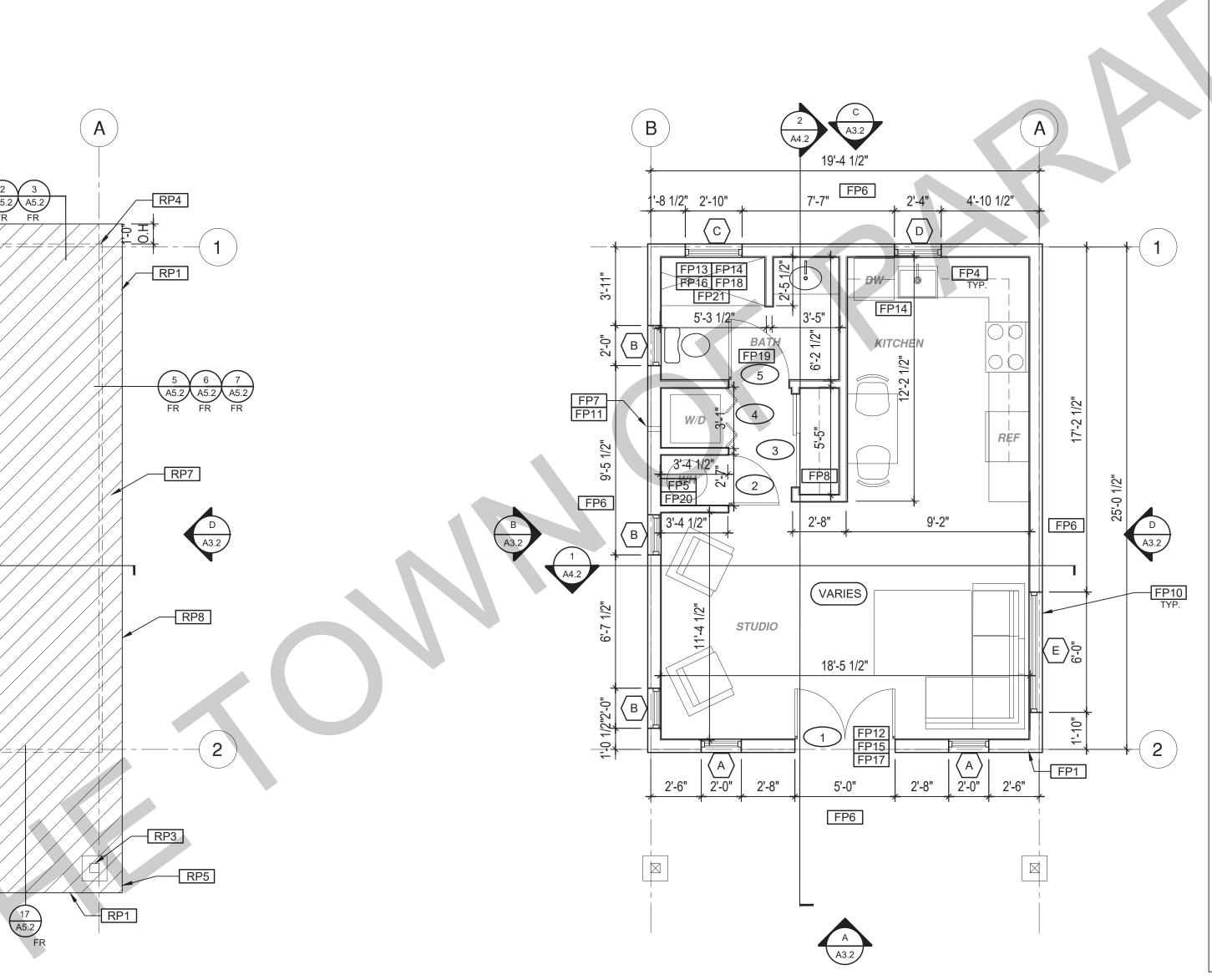
# **FLOOR PLAN KEYNOTES**

FP1	STUD WALL SIZED PER STRUCTURAL	FP13 SURROUND AROUND THE SHOWER MUST BE TEMPERED. GLAZING IN THE WALLS/DOORS FACING OR CONTAINING
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING	BATHTUBS, SHOWERS, HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS AND INDOOR/OUTDOOR
FP3	LINE OF OVERHANG ABOVE	SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE
FP4	36" HIGH COUNTER	OF THE GLAZING IS LESS THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS
FP5	WATER HEATER	MORE THAN 60", MEASURED HORIZONTALLY, FROM THE WATER'S EDGE OF A BATHTUB, HOT TUB, SPA,
FP6	SLOPE SURFACE AWAY FROM BUILDING	WHIRLPOOL OR SWIMMING POOL.
FP7	ANY OPENING	FP14 PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 1101.3(c), ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER -CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION
FP9	EMERGENCY EGRESS WINDOW	FP15 LANDING OR FLOOR REQUIRED AT EACH SIDE OF
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	EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN THE DOOR SERVED AND HAVE A MIN 36 INCH DEPTH MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED $\frac{1}{4}$ " PER FOOT. LANDINGS OR FINISHED FLOORS AT EGRESS DOOR SHALL NOT BE MORE THAN
FP1	VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION	1.5" LOWER THAN THE TOP OF THE THRESHOLD FOR OUTWARD SWINGING DOORS OR 7.75" FOR DOORS THAT DO NOT SWING OUTWARD.
FP1	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	FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R307.2

SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT

MEASURED FROM THE TOP OF THE THRESHOLD

TO THE BOTTOM OF THE STOP



# FLOOR PLAN 1/4"=1'-0"

499 SQ. FT.

HE SHOWER MUST BE TEMPERED. //DOORS FACING OR CONTAINING HOT TUBS, SPAS, WHIRLPOOLS,	FP17 DOOR BELL BUTTON TO BE NO MORE THEN 48" ABOVE EXTERIOR FLOOR OR LANDING	1. 2.	REFER TO GENERAL NOTES REQUIREMENTS REFER TO STRUCTURAL PLA INFORMATION INCLUDING MI
S AND INDOOR/OUTDOOR RE THE BOTTOM EXPOSED EDGE SS THAN 60" ABOVE THE XCEPTION: GLAZING THAT IS	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 #32 ON	0.	HARDWARE REFER TO PLUMBING PLANS REFER TO SITE/GRADING PL OR CONTINUATION

SHEET G0.2 FOR FURTHER INFORMATION FP19 DOOR TO HAVE A NET CLEAR OPENING

FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR FUTURE INSTALLATION OF A HEAT PUMP WATER

HEATER PER CEC 2022 SECTION 150.0(N) FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

- TO BE NOT LESS THAN THE 'E A MIN 36 INCH DEPTH CTION OF TRAVEL. EXTERIOR RMITTED TO HAVE A SLOPE FOOT. LANDINGS OR FINISHED OR SHALL NOT BE MORE THAN OP OF THE THRESHOLD FOR OORS OR 7.75" FOR DOORS
- BE CEMENT PLASTER, TILE OR " ABOVE DRAIN AT SHOWERS . MATERIALS OTHER THAN S ARE TO BE MOISTURE

- **ROOF PLAN GENERAL NOTES** | SOLAR READY NOTES
- S SHEET G0.2 FOR ADDITIONAL
- ANS FOR ROOF FRAMING MEMBER SIZES AND CONNECTION
- NS ROOF VENT PENETRATIONS
- LAN FOR DOWNSPOUT DISCHARGE
- OVERHANG DIMENSIONS ARE FROM FACE OF EXTERIOR WAL FRAMING TO ROOF EDGE
- ROOF COVERING AND UNDERLAYMENT SHALL BE APPLIED IN ACCORDANCE WITH (2022 R337) AND MANUFACTURER'S INSTALLATION INSTRUCTIONS
- ROOF VENTS SHALL BE APPLIED PER MANUFACTURERS SPECIFICATIONS
- ADJUST VENTS TO ACCOMMODATE ROOF FRAMING, PLUMBI VENTS, AND SOLAR COLLECTORS.

# FLOOR PLAN GENERAL NOTES

- REFER TO GENERAL NOTE SHEET G0.2 FOR ADDITIONAL REQUIREMENTS REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION IF PROVIDED
- REFER TO MECHANICAL PLANS, DRAWINGS OR REPORTS FOR FURTHER INFORMATION ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN
- FOR COORDINATION PURPOSES ONLY PROVIDE ADEQUATE BLOCKING FOR AGING IN PLACE SEE FLOOR PLAN NOTE #17 ON G0.2
- WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE ASSEMBLIES SHALL BE MAINTAINED
- AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING

# 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.

# VENTING CALCULATIONS

ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 499 SF

VENTILATION AREA REQUIRED: 499 SF./150SF.= 3.33 SF. CONVERT TO SQ. IN: 3.33 SF. x 144 = 479 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 479 SQ. IN. VENTS ARE TO BE MANUFACTURED BY VULCAN AND WUI COMPLIANT. STANDARD OR ROUND BOTH ARE ACCEPTABLE METHODS TO ACHIEVE MIN. AREA

# WILD FIRE PREPARED HOME **STANDARDS FLOOR PLAN NOTES:**

Ground Clearance for Exterior Walls Covering/Cladding: Exterior walls are vulnerable because embers can accumulate and make direct contact. All exterior walls must have a minimum of 6 vertical inches of noncombustible material, measured from the ground (at grade)

Decks or Covered Porches:

Decks or covered porches, which are included in the building footprint as illustrated in Figure 2, must meet and maintain monthly the following requirements: Must be clear of debris.

Must have no woody vegetation (trees, shrubs). No more than 10 potted plants that should not exceed 36 inches in height and width, including the noncombustible planter, are permitted.

Must have only noncombustible or ignition-resistant items (such as cast aluminum furniture) on top of the deck or porch. A small number of combustible items that can be easily removed and stored when necessary (chair cushions, door mats, etc.) are permitted. Must have no vegetation of any kind (trees, bushes, shrubs, plants, grass, weeds, etc.) underneath. Noncombustible ground cover

or bare earth are permitted.

Must have nothing stored underneath. Must have 5 feet of defensible space (as part of the 5-foot Home Ignition Zone required for the home, described below).

Additionally, for decks or porches 4 feet or less above the ground (when measured nominally from the walking surface to the ground at the location where this distance is maximum), the underdeck area must be enclosed to reduce the accumulation of debris using one of the following methods:

• Install noncombustible, corrosion-resistant mesh material with openings not to exceed 1/8 inch around the outer edge of the deck from the walking surface to the ground to prevent ember intrusion. If a material (e.g., lattice) is installed over the mesh, it needs to be noncombustible.

Fully enclose with a noncombustible wall covering/cladding. For decks with an additional structure (like a pergola or gazebo), that additional structure must be constructed of noncombustible materials and shall not have a solid cover (noncombustible slats that cover no more than 10% total of the surface area where a roof cover would be is acceptable) and be free from any vegetation and curtains/drapes/screens.

Detached decks must meet the same requirements as attached decks.

Exterior Walls Covering/Cladding:

Wall coverings/claddings must be a noncombustible or ignition-resistant material, such as:

Metal siding Fiber-cement siding

Masonry veneer

Stucco

Shutters must be made of noncombustible materials

Exterior Glass (Windows, Skylights & Glass within Doors): All exterior windows, skylights, and glazed openings within doors must comply with one of the following requirements:

Multipaned glass with a tempered outer pane

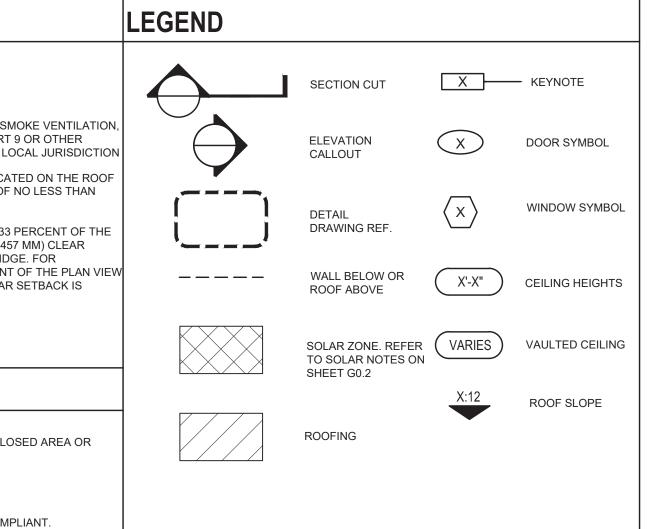
Glass with a minimum of 20-minutes fire-resistance rating when tested in accordance with NFPA 257 Glass blocks (windows only)

### Exterior Doors:

Exterior surface or cladding of the exterior doors shall be constructed with noncombustible materials. Doors made of combustible material are permissible provided a noncombustible exterior storm door is installed as the outermost door.

### Decks:

In addition to the requirements listed above, decks including posts, joists, railings, and walking surfaces must be constructed with noncombustible materials





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project

# Pre-Approved ADU Program

revisions



description

# Floor/Roof Plan Craftsman

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	1.2

The roof must be Class A fire-resistant rated and kept clear of debris. Several roofing materials have been tested as a roofing system to meet the ASTM E108 or UL 790 Class A requirements, including but

### not limited to the following:

Asphalt shingles Concrete, brick, or masonry tiles with bird stops to reduce debris accumulation Metal shingles or sheets

### Gutters & Downspouts:

Gutters and downspouts must be made out of noncombustible material. Gutters and downspouts must

### be kept clear of debris such as leaves and pine needles.

Gutters must be covered (with a noncombustible material) to prevent the collection of debris such as

### leaves and pine needles

### Building Features:

Ventilation openings for enclosed attics, gable ends, ridge ends, enclosed eave soffit spaces, enclosed

### rafter spaces formed where ceilings are applied directly to the underside of roof rafters, underfloor

ventilation, foundations, and crawl spaces; under eaves and cornices; or for any other opening intended to permit ventilation, either in a horizontal or vertical surface, must resist the intrusion of

### embers and flames by meeting one of the following requirements:

Performance: Corrosion-resistant vents conforming with the following ASTM E2886 test requirements:

- No flaming ignition of the cotton material during the Ember Intrusion Test. No flaming ignition during the Integrity Test portion of the Flame Intrusion Test. •• Temperature of the unexposed side of the vent does not exceed 662°F.
- Prescriptive: Vents must be made of a noncombustible material and covered with noncombustible, corrosion-resistant mesh with openings not to exceed 1/8 inch.
- •• Exceptions: Dryer vents must have a louver or flap in lieu of mesh.
- Plumbing vents are excluded from these requirements.

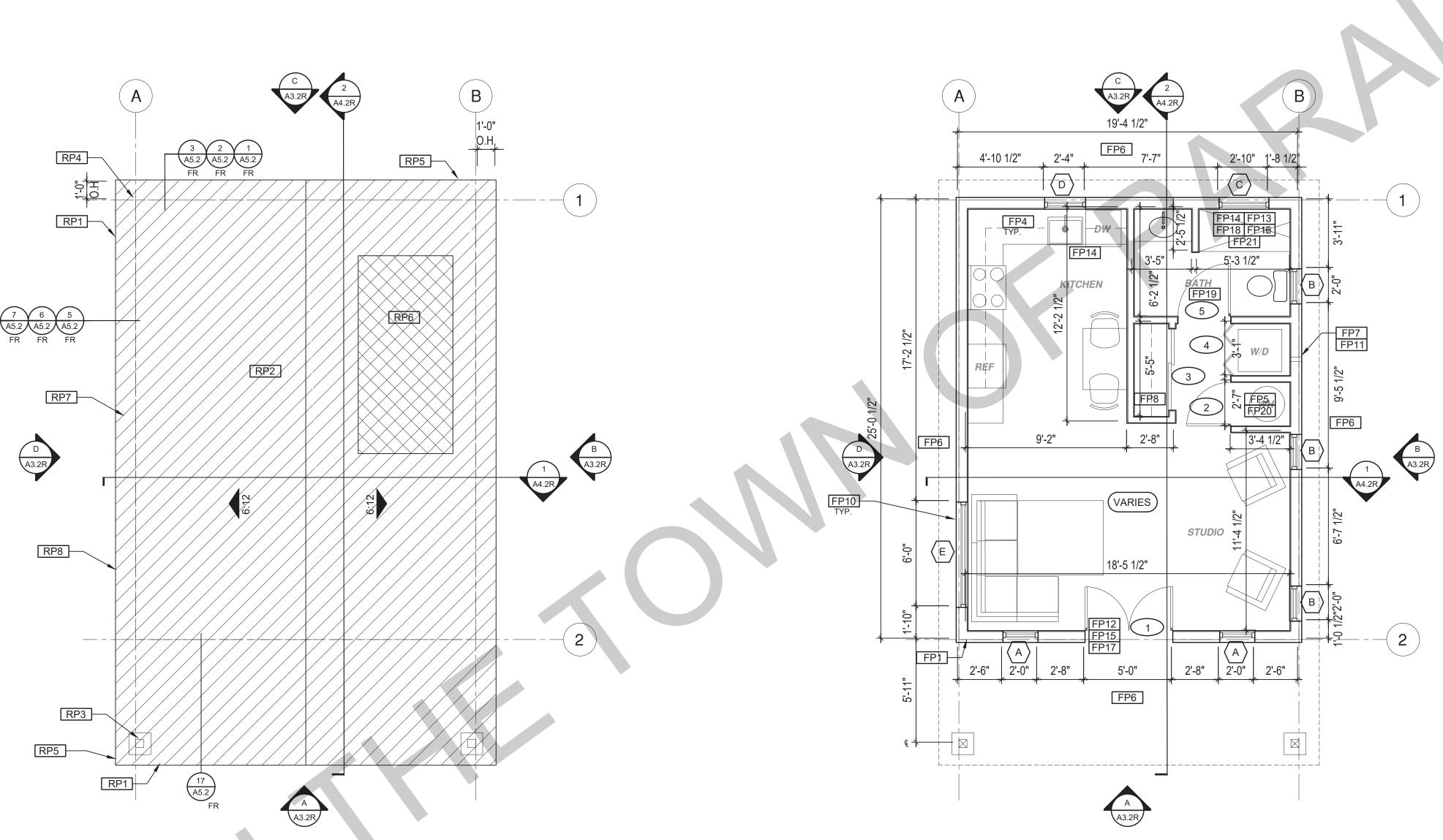
### Eaves & Soffits:

In addition to the requirement for vent openings at eaves and soffits listed above, eaves and soffits must be enclosed or protected on the exposed underside by one of the following:

### Noncombustible materials Ignition-resistant materials

- Materials approved for not less than 1-hour fire-resistance-rated construction 2-inch nominal dimension lumber

Dryer vents must be made of noncombustible (i.e., metal) material and have a louver or





499 SQ. FT.

_	
	ROOF KEYNOTES
ſ	RP1 LINE OF ROOF OVERHANG
	RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 AND WUI SPEC ON G0.5
	RP3 SUPPORT POST BELOW
	RP4 LINE OF WALLS BELOW
	RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS
	RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET
	RP7 WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6. THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THRU THE VENTILATION OPENINGS. (R337.6.1) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM
ľ	E2886 AND LISTED BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS
N	i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON

### MATERIAL DURING THE EMBER INTRUSION TEST. ii. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. iii. THE MAX, TEMP, OF THE UNEXPOSED SIDE OF THE VENT SHALI

NOT EXCEED 662° (350°C). (R337.6.2) ROOF GUTTERS OF A NON-CUMBUSTIBLE MATERIAL SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

# **FLOOR PLAN KEYNOTES**

FP1	STUD WALL SIZED PER STRUCTURAL	FP13	SURROUND AROUND THE
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING		GLAZING IN THE WALLS/DO BATHTUBS, SHOWERS, HO SAUNAS, STEAM ROOMS A
FP3	LINE OF OVERHANG ABOVE		SWIMMING POOLS WHERE
FP4	36" HIGH COUNTER		OF THE GLAZING IS LESS STANDING SURFACE. EXC
FP5	WATER HEATER		MORE THAN 60", MEASURE WATER'S EDGE OF A BATH
FP6	SLOPE SURFACE AWAY FROM BUILDING		WHIRLPOOL OR SWIMMIN
FP7 FP8	WUI COMPLIANT DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING CLOSET SHELF AND POLE	[FP14]	PER SECTION 301.1.1 CALC 1101.3(c), ALL PLUMBING F COMPLIANT WATER -CONS SEE MECHANICAL / PLUME INFORMATION
	EMERGENCY EGRESS WINDOW WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS	FP15	LANDING OR FLOOR REQU EXTERIOR DOOR. WIDTH T DOOR SERVED AND HAVE MEASURED IN THE DIRECT LANDINGS SHALL BE PERM NOT TO EXCEED <sup>1</sup> / <sub>4</sub> " PER FC FLOORS AT EGRESS DOOF 1.5" LOWER THAN THE TOF
FP11	VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION		OUTWARD SWINGING DOC THAT DO NOT SWING OUT
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	FP16	WALL COVERING SHALL B APPROVED EQUAL TO 72" OR TUB WITH SHOWERS. I STRUCTURAL ELEMENTS RESISTANT. CRC R307.2

SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT

MEASURED FROM THE TOP OF THE THRESHOLD

TO THE BOTTOM OF THE STOP

FLOOR PLAN 1/4"=1'-0"

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I ANDING

REINFORCEMENT IN WALLS 2X8 NOMINAL

AT 32" TO 39.5" ABOVE FINISH FLOOR. SEE

SHEET G0.2 FOR FURTHER INFORMATION

INSTALLATION OF A HEAT PUMP WATER

HEATER PER CEC 2022 SECTION 150.0(N)

FLOOR PLAN GENERAL NOTE #32 ON

FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL

MINIMUM AREA FOR FUTURE

FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

SERVING PLUMBING FIXTURES. IBING PLANS FOR FURTHER UIRED AT EACH SIDE OF

TO BE NOT LESS THAN THE E A MIN 36 INCH DEPTH CTION OF TRAVEL. EXTERIOR RMITTED TO HAVE A SLOPE OOT. LANDINGS OR FINISHED OR SHALL NOT BE MORE THAN OP OF THE THRESHOLD FOR ORS OR 7.75" FOR DOORS BE CEMENT PLASTER, TILE OR

" ABOVE DRAIN AT SHOWERS . MATERIALS OTHER THAN ARE TO BE MOISTURE

# **ROOF PLAN GENERAL NOTES** | SOLAR READY NOTES

- REFER TO GENERAL NOTES SHEET G0.2 FOR ADDITIONAL REQUIREMENTS
- REFER TO STRUCTURAL PLANS FOR ROOF FRAMING INFORMATION INCLUDING MEMBER SIZES AND CONNECTION
- HARDWARE REFER TO PLUMBING PLANS ROOF VENT PENETRATIONS
- REFER TO SITE/GRADING PLAN FOR DOWNSPOUT DISCHARGE OR CONTINUATION OVERHANG DIMENSIONS ARE FROM FACE OF EXTERIOR WAL
- FRAMING TO ROOF EDGE ROOF COVERING AND UNDERLAYMENT SHALL BE APPLIED IN
- ACCORDANCE WITH (2022 R337) AND MANUFACTURER'S INSTALLATION INSTRUCTIONS
- ROOF VENTS SHALL BE APPLIED PER MANUFACTURERS SPECIFICATIONS
- ADJUST VENTS TO ACCOMMODATE ROOF FRAMING, PLUMBI VENTS, AND SOLAR COLLECTORS.

# FLOOR PLAN GENERAL NOTES

- REFER TO GENERAL NOTE SHEET G0.2 FOR ADDITIONAL REQUIREMENTS REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION IF PROVIDED
- REFER TO MECHANICAL PLANS, DRAWINGS OR REPORTS FOR FURTHER INFORMATION ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN
- FOR COORDINATION PURPOSES ONLY PROVIDE ADEQUATE BLOCKING FOR AGING IN PLACE SEE FLOOR PLAN NOTE #17 ON G0.2
- WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE ASSEMBLIES SHALL BE MAINTAINED
- AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS, PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING

### 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.

# VENTING CALCULATIONS

ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 499 SF

VENTILATION AREA REQUIRED: <u>499</u>SF./150SF.=<u>3.33</u>SF. CONVERT TO SQ. IN: 3.33 SF. x 144 = 479 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 479 SQ. IN. VENTS ARE TO BE MANUFACTURED BY VULCAN AND WUI COMPLIANT. STANDARD OR ROUND BOTH ARE ACCEPTABLE METHODS TO ACHIEVE MIN. AREA

# WILD FIRE PREPARED HOME **STANDARDS FLOOR PLAN NOTES:**

Ground Clearance for Exterior Walls Covering/Cladding: Exterior walls are vulnerable because embers can accumulate and make direct contact. All exterior walls must have a minimum of 6 vertical inches of noncombustible material, measured from the ground (at grade)

Decks or Covered Porches:

Decks or covered porches, which are included in the building footprint as illustrated in Figure 2, must meet and maintain monthly the following requirements: Must be clear of debris.

Must have no woody vegetation (trees, shrubs). No more than 10 potted plants that should not exceed 36 inches in height and width, including the noncombustible planter, are permitted.

Must have only noncombustible or ignition-resistant items (such as cast aluminum furniture) on top of the deck or porch. A small number of combustible items that can be easily removed and stored when necessary (chair cushions, door mats, etc.) are permitted. Must have no vegetation of any kind (trees, bushes, shrubs, plants, grass, weeds, etc.) underneath. Noncombustible ground cover

or bare earth are permitted.

Must have nothing stored underneath. Must have 5 feet of defensible space (as part of the 5-foot Home Ignition Zone required for the home, described below).

Additionally, for decks or porches 4 feet or less above the ground (when measured nominally from the walking surface to the ground at the location where this distance is maximum), the underdeck area must be enclosed to reduce the accumulation of debris using one of the following methods:

 Install noncombustible, corrosion-resistant mesh material with openings not to exceed 1/8 inch around the outer edge of the deck from the walking surface to the ground to prevent ember intrusion. If a material (e.g., lattice) is installed over the mesh, it needs to be noncombustible.

• Fully enclose with a noncombustible wall covering/cladding. For decks with an additional structure (like a pergola or gazebo), that additional structure must be constructed of noncombustible materials and shall not have a solid cover (noncombustible slats that cover no more than 10% total of the surface area where a roof cover would be is acceptable) and be free from any vegetation and curtains/drapes/screens.

Detached decks must meet the same requirements as attached decks.

Exterior Walls Covering/Cladding:

Wall coverings/claddings must be a noncombustible or ignition-resistant material, such as:

- Metal siding Fiber-cement siding
- Masonry veneer

Stucco

Shutters must be made of noncombustible materials

Exterior Glass (Windows, Skylights & Glass within Doors): All exterior windows, skylights, and glazed openings within doors must comply with one of the following requirements:

Multipaned glass with a tempered outer pane

Glass with a minimum of 20-minutes fire-resistance rating when tested in accordance with NFPA 257

Glass blocks (windows only)

### Exterior Doors:

Exterior surface or cladding of the exterior doors shall be constructed with noncombustible materials. Doors made of combustible material are permissible provided a noncombustible exterior storm door is installed as the outermost door.

### Decks:

In addition to the requirements listed above, decks including posts, joists, railings, and walking surfaces must be constructed with noncombustible materials



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

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THE USE OF THIS INFORMATION IS ESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN O ADISE BUILDING DEPARTMENT. BUILDING CODES 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 ECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND L 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. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES HAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR FGAL 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 OCUMENTS BY THE RECIPIENT OR BY OTHERS MILL 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 SIGN PATH STUDIO AND ITS ARCHITECTS ARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS RISING OUT OF OR RESULTING THERE FROM ANY JSE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS NDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT 1 COPYRIGHT PROTECTION.

. 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

# -Town of Paradise Pre-Approved ADU Program

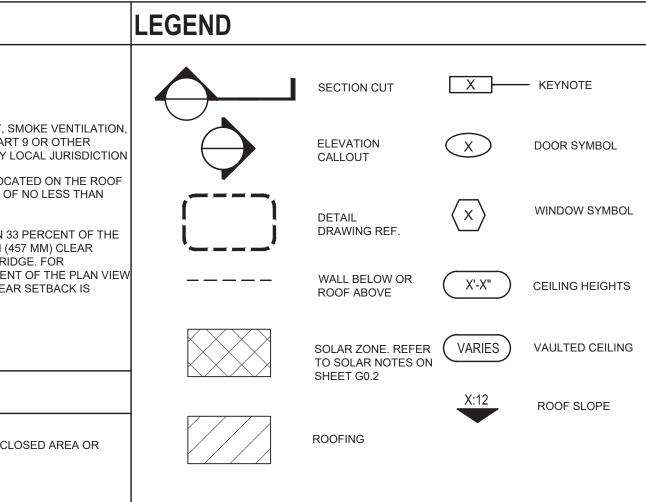
revisions

description

# Floor/Roof Plan Craftsman -Reverse

date	## Month 20##
project no.	20##_xxxxx
drawn by	xxx/xxx
sheet no.	1.2R

# 499 SQ. FT. RANCH - REVERSE



The roof must be Class A fire-resistant rated and kept clear of debris. Several roofing materials have been tested as a roofing system to meet the ASTM E108 or UL 790 Class A requirements, including but

### not limited to the following:

Asphalt shingles Concrete, brick, or masonry tiles with bird stops to reduce debris accumulation Metal shingles or sheets

### Gutters & Downspouts:

Gutters and downspouts must be made out of noncombustible material. Gutters and downspouts must

### be kept clear of debris such as leaves and pine needles.

Gutters must be covered (with a noncombustible material) to prevent the collection of debris such as

### leaves and pine needles

Building Features:

Ventilation openings for enclosed attics, gable ends, ridge ends, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters,

### underfloor

ventilation, foundations, and crawl spaces; under eaves and cornices; or for any other opening intended to permit ventilation, either in a horizontal or vertical surface, must resist the intrusion of

### embers and flames by meeting one of the following requirements:

Performance: Corrosion-resistant vents conforming with the following ASTM E2886 test requirements:

- No flaming ignition of the cotton material during the Ember Intrusion Test. No flaming ignition during the Integrity Test portion of the Flame Intrusion Test ••
- Temperature of the unexposed side of the vent does not exceed 662°F. Prescriptive: Vents must be made of a noncombustible material and covered with noncombustible, corrosion-resistant mesh with openings not to exceed 1/8 inch.
- •• Exceptions: Dryer vents must have a louver or flap in lieu of mesh. Plumbing vents are excluded from these requirements.

### Eaves & Soffits:

In addition to the requirement for vent openings at eaves and soffits listed above, eaves and soffits must be enclosed or protected on the exposed underside by one of the following:

Noncombustible materials

### Ignition-resistant materials

Materials approved for not less than 1-hour fire-resistance-rated construction 2-inch nominal dimension lumber

Dryer vents must be made of noncombustible (i.e., metal) material and have a louver or

# 1'-0" O.H. RP5 RP6 (RP2)

В



# 499 SQ. FT.

### **ROOF KEYNOTES** RP1 LINE OF ROOF OVERHANG RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 AND WUI SPEC ON G0.5 RP3 SUPPORT POST BELOW RP4 LINE OF WALLS BELOW RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS RP6 DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET RP7 WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED

EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6. THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THRU THE VENTILATION OPENINGS. (R337 6 1)

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

- i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST.
- ii. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. iii. THE MAX, TEMP, OF THE UNEXPOSED SIDE OF THE VENT SHALI
- NOT EXCEED 662° (350°C). (R337.6.2) ROOF GUTTERS OF A NON-CUMBUSTIBLE MATERIAL SHALL BE

PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

# FLOOR PLAN KEYNOTES

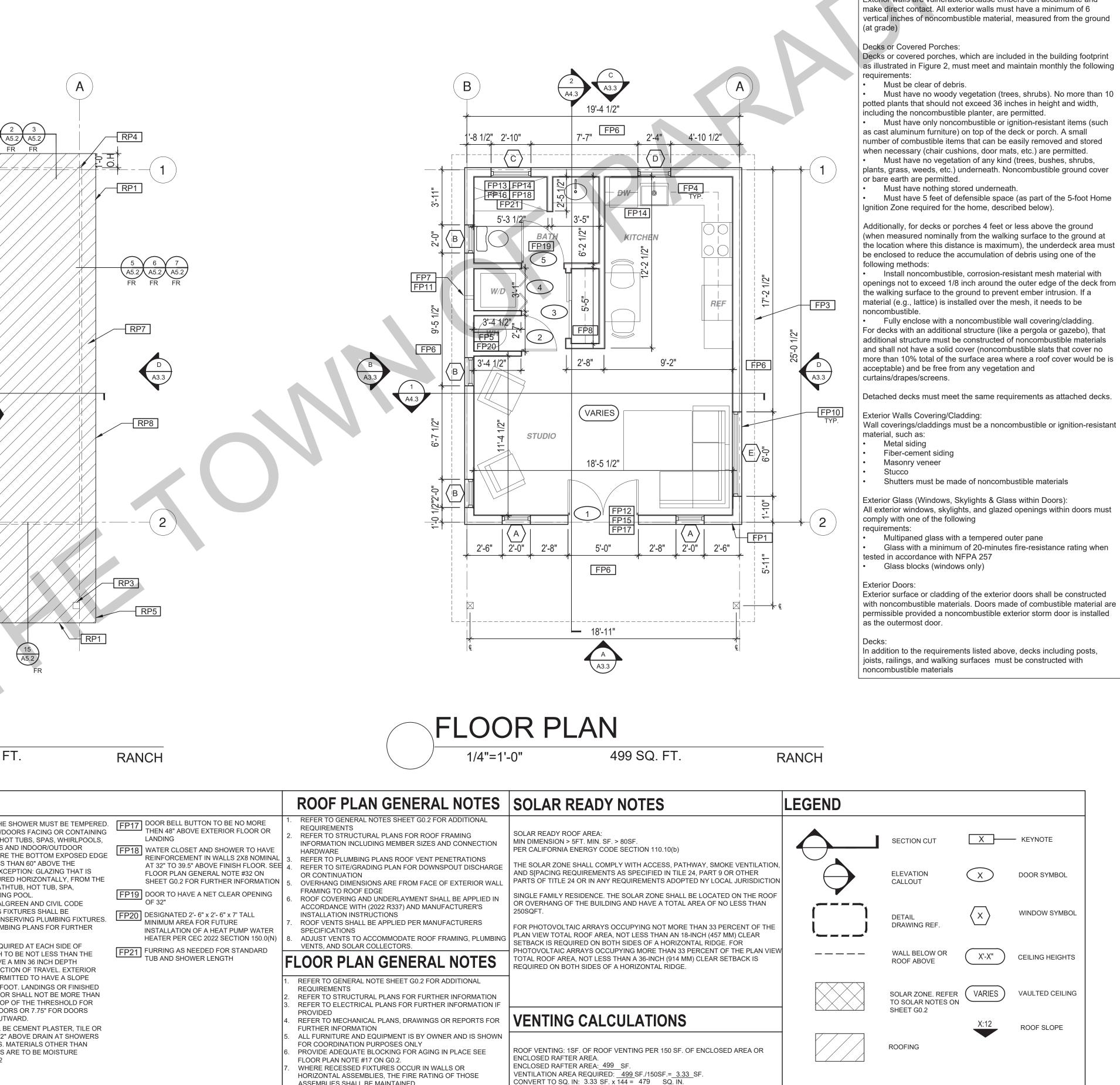
THE CLEAR HEIGHT OF THE DOOR OPENING

TO THE BOTTOM OF THE STOP

SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT

MEASURED FROM THE TOP OF THE THRESHOLD

FP1	STUD WALL SIZED PER STRUCTURAL	FP13	SURROUND AROUND THE
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING		GLAZING IN THE WALLS/D BATHTUBS, SHOWERS, HO SAUNAS, STEAM ROOMS
FP3	LINE OF OVERHANG ABOVE		SWIMMING POOLS WHER
FP4	36" HIGH COUNTER		OF THE GLAZING IS LESS STANDING SURFACE. EXC
FP5	WATER HEATER		MORE THAN 60", MEASUR WATER'S EDGE OF A BAT
FP6	SLOPE SURFACE AWAY FROM BUILDING		WHIRLPOOL OR SWIMMIN
FP7 FP8	WUI COMPLIANT DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING CLOSET SHELF AND POLE	FP14	PER SECTION 301.1.1 CAL 1101.3(c), ALL PLUMBING F COMPLIANT WATER -CON SEE MECHANICAL / PLUMI INFORMATION
FP9	EMERGENCY EGRESS WINDOW	FP15	LANDING OR FLOOR REQU
	WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS VENT DRYER THROUGH WALL. SEE MECHANICAL /		EXTERIOR DOOR. WIDTH T DOOR SERVED AND HAVE MEASURED IN THE DIRECT LANDINGS SHALL BE PERM NOT TO EXCEED $\frac{1}{4}$ " PER FO FLOORS AT EGRESS DOOT 1.5" LOWER THAN THE TO
FP11	PLUMBING PLANS FOR FURTHER INFORMATION		OUTWARD SWINGING DOO THAT DO NOT SWING OUT
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°.	FP16	WALL COVERING SHALL E APPROVED EQUAL TO 72" OR TUB WITH SHOWERS. STRUCTURAL ELEMENTS RESISTANT. CRC R307.2



- - ASSEMBLIES SHALL BE MAINTAINED AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS, PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING

# WILD FIRE PREPARED HOME **STANDARDS FLOOR PLAN NOTES:**

Ground Clearance for Exterior Walls Covering/Cladding: Exterior walls are vulnerable because embers can accumulate and make direct contact. All exterior walls must have a minimum of 6 vertical inches of noncombustible material, measured from the ground

Decks or covered porches, which are included in the building footprint as illustrated in Figure 2, must meet and maintain monthly the following

Must have no woody vegetation (trees, shrubs). No more than 10 potted plants that should not exceed 36 inches in height and width,

Must have only noncombustible or ignition-resistant items (such as cast aluminum furniture) on top of the deck or porch. A small number of combustible items that can be easily removed and stored when necessary (chair cushions, door mats, etc.) are permitted. Must have no vegetation of any kind (trees, bushes, shrubs,

Must have 5 feet of defensible space (as part of the 5-foot Home

Additionally, for decks or porches 4 feet or less above the ground (when measured nominally from the walking surface to the ground at the location where this distance is maximum), the underdeck area must be enclosed to reduce the accumulation of debris using one of the

 Install noncombustible, corrosion-resistant mesh material with openings not to exceed 1/8 inch around the outer edge of the deck from the walking surface to the ground to prevent ember intrusion. If a

Fully enclose with a noncombustible wall covering/cladding. For decks with an additional structure (like a pergola or gazebo), that additional structure must be constructed of noncombustible materials and shall not have a solid cover (noncombustible slats that cover no more than 10% total of the surface area where a roof cover would be is

All exterior windows, skylights, and glazed openings within doors must

Glass with a minimum of 20-minutes fire-resistance rating when

Exterior surface or cladding of the exterior doors shall be constructed with noncombustible materials. Doors made of combustible material are permissible provided a noncombustible exterior storm door is installed

joists, railings, and walking surfaces must be constructed with



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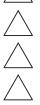
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project

# Pre-Approved ADU Program

revisions



description

# Floor/Roof Plan Ranch

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no. 🗖	
	$\mathbf{X1}$

MINIMUM VENTILATION AREA REQUIRED: 479 SQ. IN.

VENTS ARE TO BE MANUFACTURED BY VULCAN AND WUI COMPLIANT.

STANDARD OR ROUND BOTH ARE ACCEPTABLE METHODS TO ACHIEVE MIN. AREA

The roof must be Class A fire-resistant rated and kept clear of debris. Several roofing materials have been tested as a roofing system to meet the ASTM E108 or UL 790 Class A requirements, including but

### not limited to the following:

Asphalt shingles Concrete, brick, or masonry tiles with bird stops to reduce debris accumulation Metal shingles or sheets

### Gutters & Downspouts:

Gutters and downspouts must be made out of noncombustible material. Gutters and downspouts must

### be kept clear of debris such as leaves and pine needles.

Gutters must be covered (with a noncombustible material) to prevent the collection of debris such as

### leaves and pine needles

### Building Features:

Ventilation openings for enclosed attics, gable ends, ridge ends, enclosed eave soffit spaces, enclosed

### rafter spaces formed where ceilings are applied directly to the underside of roof rafters, underfloor

ventilation, foundations, and crawl spaces; under eaves and cornices; or for any other opening intended to permit ventilation, either in a horizontal or vertical surface, must resist the intrusion of

embers and flames by meeting one of the following requirements: Performance: Corrosion-resistant vents conforming with the following ASTM E2886 test requirements:

- No flaming ignition of the cotton material during the Ember Intrusion Test. No flaming ignition during the Integrity Test portion of the Flame Intrusion Test. ••
- Temperature of the unexposed side of the vent does not exceed 662°F. Prescriptive: Vents must be made of a noncombustible material and covered with
- noncombustible, corrosion-resistant mesh with openings not to exceed 1/8 inch. •• Exceptions:
- Dryer vents must have a louver or flap in lieu of mesh. Plumbing vents are excluded from these requirements.

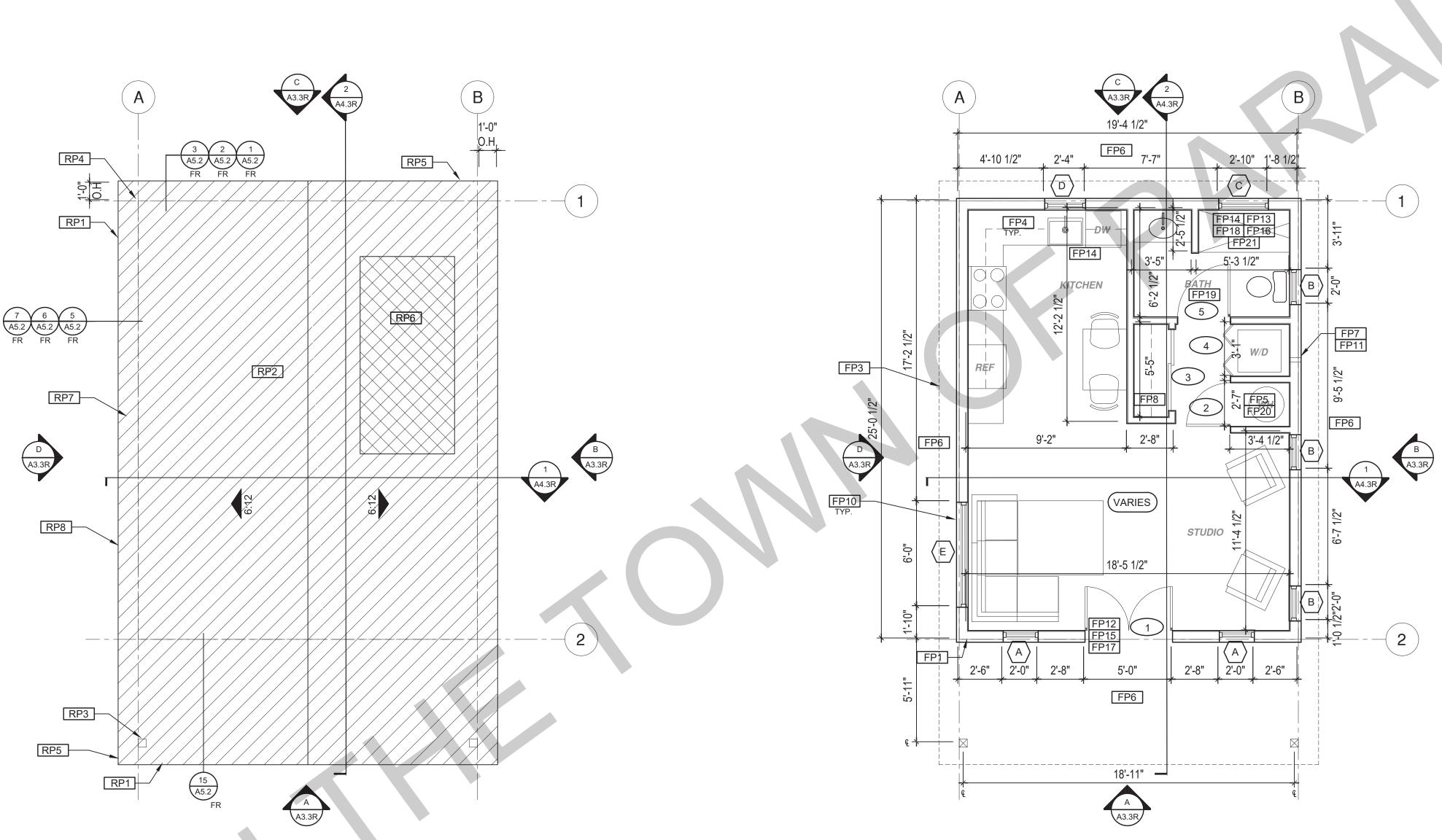
### Eaves & Soffits:

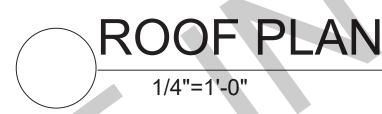
In addition to the requirement for vent openings at eaves and soffits listed above, eaves and soffits must be enclosed or protected on the exposed underside by one of the following:

### Noncombustible materials Ignition-resistant materials

Materials approved for not less than 1-hour fire-resistance-rated construction 2-inch nominal dimension lumber

Dryer vents must be made of noncombustible (i.e., metal) material and have a louver or





499 SQ. FT.

RC	OF KEYNOTES
RP1	LINE OF ROOF OVERHANG
RP2	CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 AND WUI SPEC ON G0.5
RP3	SUPPORT POST BELOW
RP4	LINE OF WALLS BELOW
RP5	ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS
RP6	DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTE ON THIS SHEET
RP7	WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSE EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337 THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION BURNING EMBERS AND FLAME THRU THE VENTILATION OPENINGS. (R337.6.1) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY TI CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED BY COMPLYING WITH ALL OF THE FOLLOWING
	REQUIREMENTS
	i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON

### MATERIAL DURING THE EMBER INTRUSION TEST. ii. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST.

- iii. THE MAX, TEMP, OF THE UNEXPOSED SIDE OF THE VENT SHALI NOT EXCEED 662° (350°C). (R337.6.2) ROOF GUTTERS OF A NON-CUMBUSTIBLE MATERIAL SHALL BE
- PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

# **FLOOR PLAN KEYNOTES**

FP1	STUD WALL SIZED PER STRUCTURAL	FP13 SURROUND AROUND THE SHOWER MUST BE TEMPERE
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING	GLAZING IN THE WALLS/DOORS FACING OR CONTAININ BATHTUBS, SHOWERS, HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS AND INDOOR/OUTDOOR
FP3	LINE OF OVERHANG ABOVE	SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDG
FP4	36" HIGH COUNTER	OF THE GLAZING IS LESS THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS
FP5	WATER HEATER	MORE THAN 60", MEASURED HORIZONTALLY, FROM THE
FP6	SLOPE SURFACE AWAY FROM BUILDING	WATER'S EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL OR SWIMMING POOL.
FP7 FP8	WUI COMPLIANT DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING CLOSET SHELF AND POLE	FP14 PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 1101.3(c), ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER -CONSERVING PLUMBING FIXTURES SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION
FP9 FP10	EMERGENCY EGRESS WINDOW WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS VENT DRYER THROUGH WALL. SEE MECHANICAL /	FP15 LANDING OR FLOOR REQUIRED AT EACH SIDE OF EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN THE DOOR SERVED AND HAVE A MIN 36 INCH DEPTH MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED <sup>1</sup> / <sub>4</sub> " PER FOOT. LANDINGS OR FINISHED FLOORS AT EGRESS DOOR SHALL NOT BE MORE THAN 1.5" LOWER THAN THE TOP OF THE THRESHOLD FOR OUTWARD SWINGING DOORS OR 7.75" FOR DOORS
	PLUMBING PLANS FOR FURTHER INFORMATION	THAT DO NOT SWING OUTWARD.
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	FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R307.2

SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT

MEASURED FROM THE TOP OF THE THRESHOLD

TO THE BOTTOM OF THE STOP

### RANCH - REVERSE



### REFER TO GENERAL NOTES SHEET G0.2 FOR ADDITIONAL E SHOWER MUST BE TEMPERED. DOORS FACING OR CONTAINING FP17 DOOR BELL BUTTON TO BE NO MORE THEN 48" ABOVE EXTERIOR FLOOR OR REQUIREMENTS DOORS FACING OR CONTAINING REFER TO STRUCTURAL PLANS FOR ROOF FRAMING IOT TUBS, SPAS, WHIRLPOOLS, I ANDING INFORMATION INCLUDING MEMBER SIZES AND CONNECTION AND INDOOR/OUTDOOR FP18 WATER CLOSET AND SHOWER TO HAVE HARDWARE RE THE BOTTOM EXPOSED EDGE REINFORCEMENT IN WALLS 2X8 NOMINAL REFER TO PLUMBING PLANS ROOF VENT PENETRATIONS THAN 60" ABOVE THE AT 32" TO 39.5" ABOVE FINISH FLOOR. SEE REFER TO SITE/GRADING PLAN FOR DOWNSPOUT DISCHARGE CEPTION: GLAZING THAT IS FLOOR PLAN GENERAL NOTE #32 ON OR CONTINUATION RED HORIZONTALLY, FROM THE SHEET G0.2 FOR FURTHER INFORMATION OVERHANG DIMENSIONS ARE FROM FACE OF EXTERIOR WAL THTUB, HOT TUB, SPA, FRAMING TO ROOF EDGE FP19 DOOR TO HAVE A NET CLEAR OPENING NG POOL. ROOF COVERING AND UNDERLAYMENT SHALL BE APPLIED IN LGREEN AND CIVIL CODE ACCORDANCE WITH (2022 R337) AND MANUFACTURER'S FIXTURES SHALL BE FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL INSTALLATION INSTRUCTIONS SERVING PLUMBING FIXTURES. MINIMUM AREA FOR FUTURE ROOF VENTS SHALL BE APPLIED PER MANUFACTURERS IBING PLANS FOR FURTHER INSTALLATION OF A HEAT PUMP WATER SPECIFICATIONS HEATER PER CEC 2022 SECTION 150.0(N) ADJUST VENTS TO ACCOMMODATE ROOF FRAMING, PLUMBI VENTS, AND SOLAR COLLECTORS. UIRED AT EACH SIDE OF FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH TO BE NOT LESS THAN THE FLOOR PLAN GENERAL NOTES E A MIN 36 INCH DEPTH CTION OF TRAVEL. EXTERIOR RMITTED TO HAVE A SLOPE REFER TO GENERAL NOTE SHEET G0.2 FOR ADDITIONAL OOT. LANDINGS OR FINISHED REQUIREMENTS OR SHALL NOT BE MORE THAN

- REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION IF PROVIDED
- REFER TO MECHANICAL PLANS, DRAWINGS OR REPORTS FOR FURTHER INFORMATION ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN
- FOR COORDINATION PURPOSES ONLY PROVIDE ADEQUATE BLOCKING FOR AGING IN PLACE SEE
- FLOOR PLAN NOTE #17 ON G0.2 WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE
- ASSEMBLIES SHALL BE MAINTAINED AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED
- PARTITIONS, PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING

### **ROOF PLAN GENERAL NOTES** | SOLAR READY NOTES

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

PER CALIFORNIA ENERGY CODE SECTION 110.10(b)

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.

# VENTING CALCULATIONS

ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 499 SF.

VENTILATION AREA REQUIRED: <u>499</u>SF./150SF.=<u>3.33</u>SF. CONVERT TO SQ. IN: 3.33SF. x 144 = 479 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 479 SQ. IN. VENTS ARE TO BE MANUFACTURED BY VULCAN AND WUI COMPLIANT. STANDARD OR ROUND BOTH ARE ACCEPTABLE METHODS TO ACHIEVE MIN. AREA

# WILD FIRE PREPARED HOME **STANDARDS FLOOR PLAN NOTES:**

Ground Clearance for Exterior Walls Covering/Cladding: Exterior walls are vulnerable because embers can accumulate and make direct contact. All exterior walls must have a minimum of 6 vertical inches of noncombustible material, measured from the ground (at grade)

Decks or Covered Porches:

Decks or covered porches, which are included in the building footprint as illustrated in Figure 2, must meet and maintain monthly the following requirements: Must be clear of debris.

Must have no woody vegetation (trees, shrubs). No more than 10 potted plants that should not exceed 36 inches in height and width, including the noncombustible planter, are permitted.

Must have only noncombustible or ignition-resistant items (such as cast aluminum furniture) on top of the deck or porch. A small number of combustible items that can be easily removed and stored when necessary (chair cushions, door mats, etc.) are permitted. Must have no vegetation of any kind (trees, bushes, shrubs, plants, grass, weeds, etc.) underneath. Noncombustible ground cover

or bare earth are permitted.

Must have nothing stored underneath. Must have 5 feet of defensible space (as part of the 5-foot Home Ignition Zone required for the home, described below).

Additionally, for decks or porches 4 feet or less above the ground (when measured nominally from the walking surface to the ground at the location where this distance is maximum), the underdeck area must be enclosed to reduce the accumulation of debris using one of the following methods:

 Install noncombustible, corrosion-resistant mesh material with openings not to exceed 1/8 inch around the outer edge of the deck from the walking surface to the ground to prevent ember intrusion. If a material (e.g., lattice) is installed over the mesh, it needs to be noncombustible.

• Fully enclose with a noncombustible wall covering/cladding. For decks with an additional structure (like a pergola or gazebo), that additional structure must be constructed of noncombustible materials and shall not have a solid cover (noncombustible slats that cover no more than 10% total of the surface area where a roof cover would be is acceptable) and be free from any vegetation and curtains/drapes/screens.

Detached decks must meet the same requirements as attached decks.

Exterior Walls Covering/Cladding:

Wall coverings/claddings must be a noncombustible or ignition-resistant material, such as:

- Metal siding Fiber-cement siding
- Masonry veneer

Stucco Shutters must be made of noncombustible materials

Exterior Glass (Windows, Skylights & Glass within Doors): All exterior windows, skylights, and glazed openings within doors must comply with one of the following requirements:

Multipaned glass with a tempered outer pane

Glass with a minimum of 20-minutes fire-resistance rating when tested in accordance with NFPA 257

Glass blocks (windows only)

### Exterior Doors:

Exterior surface or cladding of the exterior doors shall be constructed with noncombustible materials. Doors made of combustible material are permissible provided a noncombustible exterior storm door is installed as the outermost door.

### Decks:

In addition to the requirements listed above, decks including posts, joists, railings, and walking surfaces must be constructed with noncombustible materials



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

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

project

# Pre-Approved ADU Program

revisions

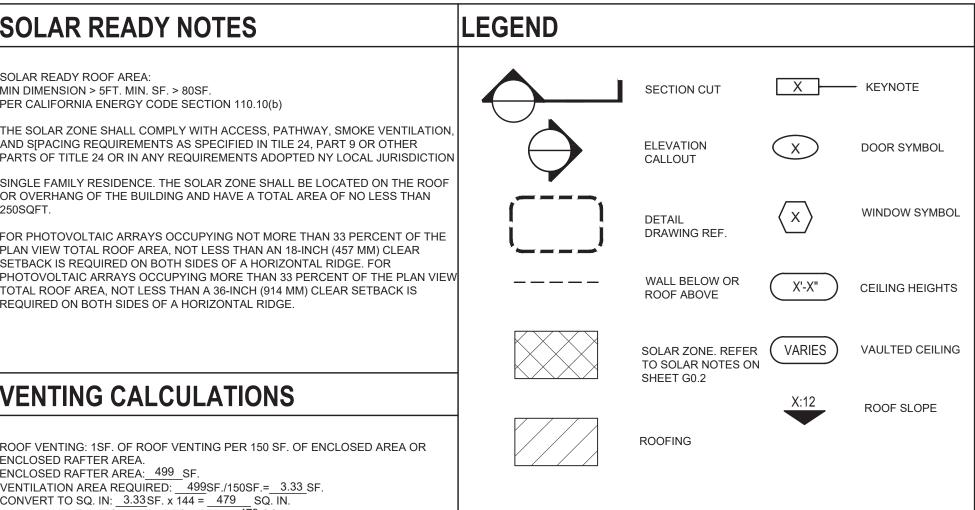


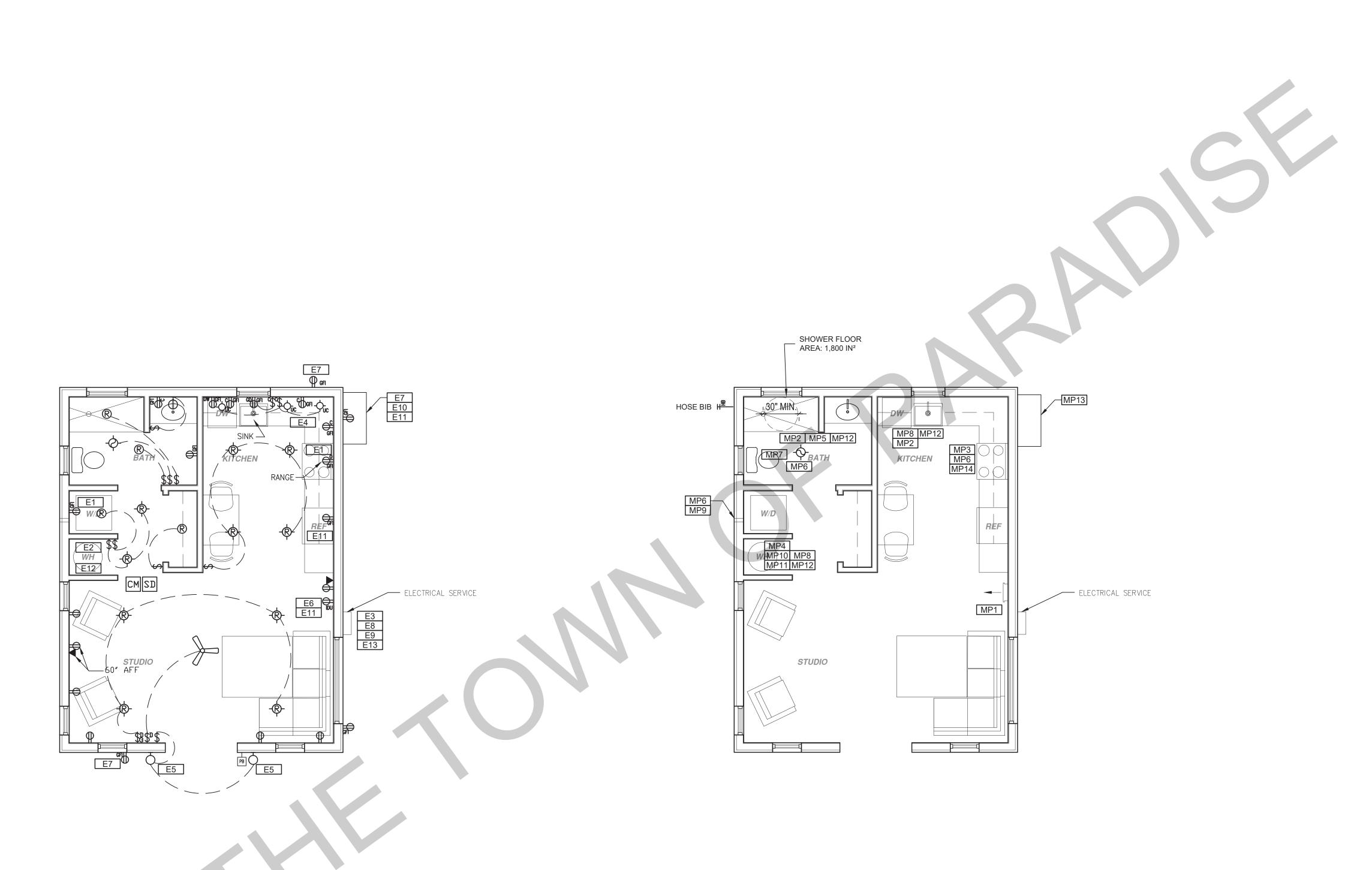
description

# Floor/Roof Plan Ranch - Reverse

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	A1.3R

# 499 SQ. FT. RANCH - REVERSE







MECHANICAL / PLUMBING KEYNOTES	ELECTRICAL KEYNOTES	MECHANICAL / PLUMBING LEGEND	ELECTRICAL LEGEND
IMP1       INDOOR UNIT MINI SPLIT SYSTEM.       IMP3       DRVER EXHAUST OUTLET FROM DRVER TO CLOSETS SHALL USE NO MORE THAN 128 GAL       IMP3       DRVER EXHAUST OUTLET FROM DRVER TO CLOSETS SHALL USE NO MORE THAN 128 GAL       IMP3       DRVER PREVENTIONS SHALL USE CLOSETS SHALL USE NO MORE THAN 128 GAL       IMP3       DRVER PREVENTIONS SHALL USE CLOSETS SHALL USE NO MORE THAN 128 GAL       IMP3       DRVER PREVENTIONS FOR CLOSETS SHALL USE NO MORE THAN 128 GAL       IMP3       DRVER PREVENTIONS FOR CLOSETS SHALL USE NO TO EXCEED 13 GPM AT 0P SH THE CAN INCREASE THE FLOW MOMENTARLY BUT CAN TEXCERD 2 2204LONS PREVENTION TO EXCEED 13 GPM AT 0P SH THE CAN INCREASE THE FLOW MOMENTARLY BUT CAN TEXCERD 2 204LONS PREVENTION STORE STATUS TO TO EXCEED 13 GPM AT 0 DUST HEY CAN INCREASE THE FLOW MOMENTARLY BUT CAN TEXCERD 2 204LONS PREVENTION STORE STATUS TO TO EXCEED 13 GPM AT 0 DUST HEY CAN INCREASE SHOUTH ON THE SHALL AND SMOOTH PSI AND ALL SHALL USE CONFIDENTION STORE SHOWERHEADS. CPC SECTIONS AND, 411, 412 AND SECTION 301.11 CALGREEN CODE AND CIVIL MAUFACTURER REQUIREMENTS.       MP11 MAUFACTURER REQUIREMENTS.       MP11 MAUFACTURER REQUIREMENTS.         IMP3       EXHAUST HOOD ABOVE TO BE SMOOTH BALLOW WATER HEATER. TH 14 X 200 SC 10.11 MAUFACTURER REQUIREMENTS.       MP11 MAUFACTURER REQUIREMENTS.       MP11 MAUFACTURER REQUIREMENTS.         IMP3       EXHAUST HOOD ABOVE TO BE SMOOTH BALLOW WATER HEATER. TH 14 X 200 SC 10.11 MAUFACTURER REQUIREMENTS.       MP11 MAUFACTURER REQUIREMENTS.       MP11 MAUFACTURER REQUIREMENTS.         IMP3       DOWNERNERS BATHTURS, A MAUFACTURER REQUIREMENTS.       MP11 MAUFACTURER REQUIREMENTS.       MP11 MAUFACTURER REATERS SHALL HAVE MAUFACTURER REATER SHALL	E1       DEDICATED 30 AMP/ 240V POWER FOR ELECTRIC       E9       SEPARATE GROUND ELECTRODE SYSTEM PER         DYPER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE SPECIFICATIONS       E10       OUTDOOR CONDENSING UNIT RECEPTACLE         E2       OUTLET FOR NEW WATER HEATER WITHIN 3'OF WATER HEATER.       E10       OUTDOOR CONDENSING UNIT RECEPTACLE         E3       ELECTRICAL - SUB PANEL LOCATION       E10       OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE EQUIPMENT AND SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE EQUIPMENT. THIS RECEPTACLE SHALL BE GFCI-WP PROTECTED.         E4       OUTLET AT COUNTER SPACE IS INSTALLED AT RECEPTACLE OUTLET SHALL BE INSTALLED AT RECEPTACLE OUTLET SHALL DE ON THE ORDIPMENT, INCLUDING MOTOR-COMPRESSORS AND CONTROLLED ST SHALL HAVE AT LEAST ONCE RECEPTACLE OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.       E13       CONTRACTOR TO VERIFY MAIN PANEL         E7       WEATHER RESISTANT TYPE RECEPTACLES GFCI PROTECTED       E13       CONTRACTOR TO VERIFY MAIN PANEL         E8       OVER-CURRENT FEEDER TO EXTEND TO EXISTING PANEL ALUMINUM CONDUCTOR BURIED UNDER GROUND WITH AWG ALLOWABLE VOLTAGE DROP PER CEC 250.4	MECHANICAL         Image: Strategy of the strategy of	<ul> <li>FIRE DETECTION</li> <li>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.</li> <li>SHALL COMPLY WITH THE FOLLOWING: <ul> <li>AT LEAST 3' FROM THE TIP OF THE BLADE OF A CEILING-MOUNTED FAN</li> <li>NOT LESS THAN 3' FROM THE DOOR OPENING OF A BATHROOM</li> <li>AT LEAST 3' FROM THE TIP OF THE BLADE OF A CEILING-MOUNTED FAN</li> <li>NOT LESS THAN 3' FROM THE DOOR OPENING OF A BATHROOM</li> <li>AT LEAST 3' FROM A COOKING APPLIANCE OR 10' FROM COOKING APPLIANCE WHEN THE ALARM IS AN IONIZING SMOKE ALARM PER NFPA 72 SECTION 29.8.3.4 ITEM 4</li> <li>AT LEAST 3' FROM SUPPLY REGISTERS OF A HEATING /COOLING SYSTEM</li> </ul> </li> <li>CM 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 ACTIVATE ALL O F THE ALARMS IN THE UNIT.</li> </ul>

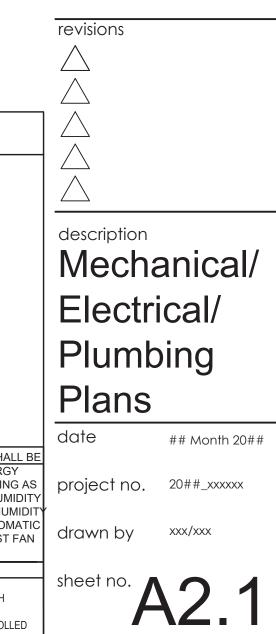


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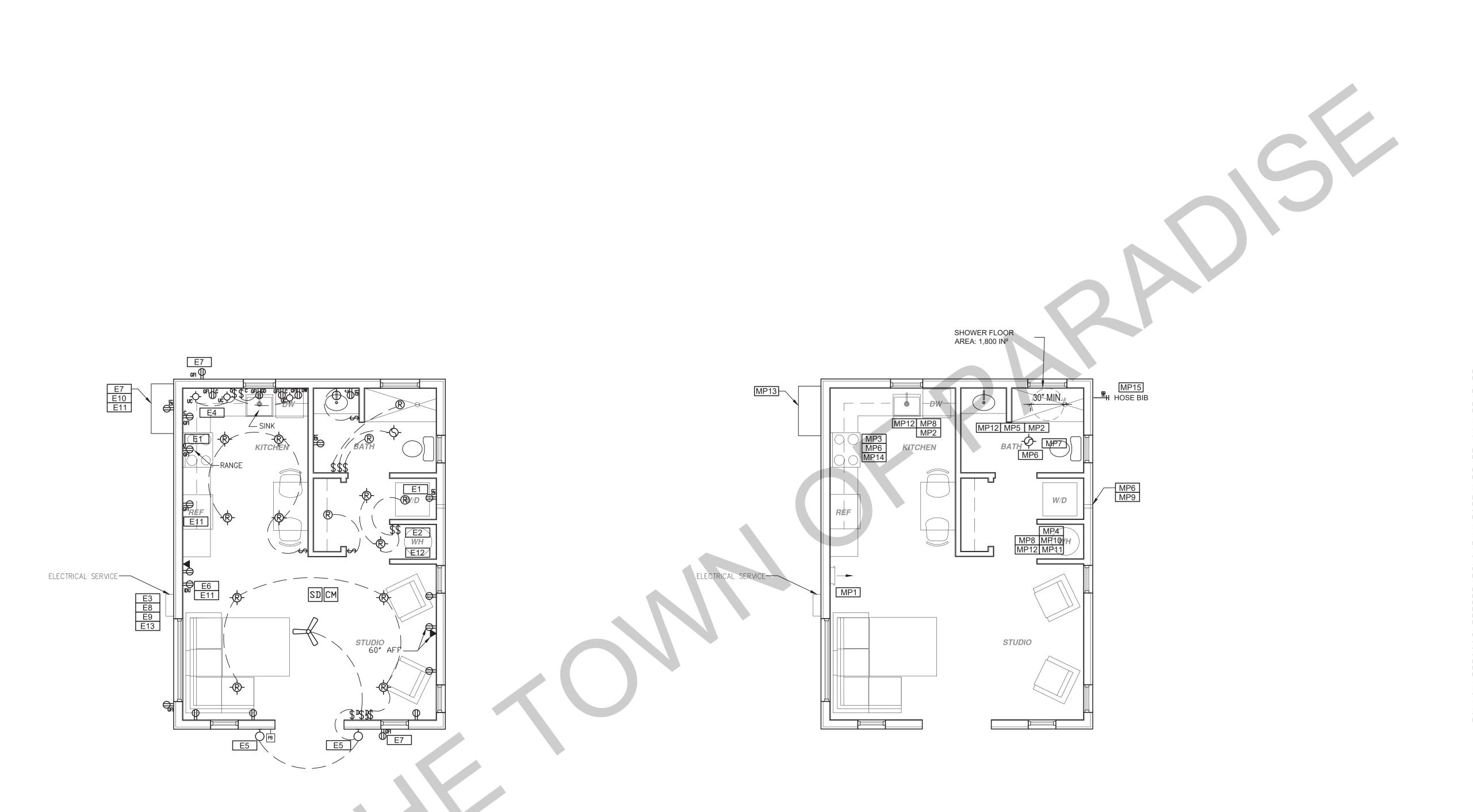
# project

Town of Paradise Pre-Approved ADU Program



BY VACANCY SENSORS.

ER/DATA	S	SWITCHING	LIGH	HTING	
TAMPER RESISTANT RECEPTACLE WALL MOUNTED, 110 V DUPLEX U.(	D.N. \$	SWITCH, MOUNT AT 43	B" AFF ®	CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB	
= WATER PROOF GFCI = COOKTOP/ GRILL 240 V	איי. געניין	4 FOUR-WAY SWITCH	R	CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB	
= OVEN 240 V = MICROWAVE 110 V = GARBAGE DISPOSAL 110 V	\$_ \$_		er ®	CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB	
= RANGE 220V		ISC.	Ю	WALL MOUNTED LIGHT	
= COUNTER HEIGHT 6" ABV COUN = INDOOR UNIT POWER 84" AFF		CEILING FAN/LIGHT COI	MBO J	JUNCTION BOX FLUSH CEILING MOUNTED	
= WASHER/DRYER 30AMP/ 240AMP		$\sim$		UNDER COUNTER LIGHTING	
PHONE / DATA / MEDIA	(	CIRCUIT WIRING	I	LOW VOLTAGE, LANDSCAPE LIGHT	
CEILING, WATERPROOF OUTLET FLOOR MOUNTED DUPLEX RECEPTACLE, VERIFY LOCATION I	n E	DOOR BELL T BUTTON		FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)	
FIELD. SPECIAL PURPOSE CONNECTION					
				S:PER CGBC 4.506.1- EACH BATHROOM SHALL BE	
				H THE FOLLOWING: 1. FANS SHALL BE ENERGY	
				STEM, FANS MUST BE CONTROLLED BY A HUMIDITY	
				E OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY	
				TY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC	
				Y BE A SEPARATE COMPONENT TO EXHAUST FAN	
		REQUIRED TO BE INTEGR	, ,		
	RESIDENTIAL ENERGY LIGHTING REQUIREMENTS:ES 150.0(K)				
*IN THE KITCHEN, AT LEAST ONE-HALF OF THE WATTAGE RATING OF THE FIXTURES MUST BE HIGH EFFICACY. *IN THE BATHROOMS, AT LEAST ONE FIXTURE SHALL BE HIGH EFFICACY AND ALL REMAINING FIXTURES SHALL BE HIGH					
EFFICACY OR BE CONTROLLED BY A VACANCY SENSOR.				IOAUT AND ALL REMAINING FIATURES SHALL DE HIGH	
				TY ROOMS SHALL BE HIGH EFFICACY AND BE CONTROLLED	

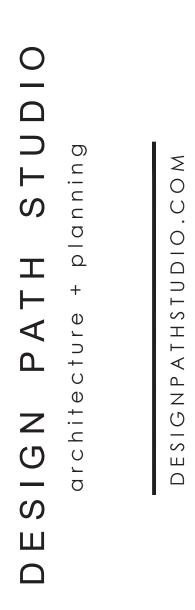




MECHANICAL / PLUMBING KEYNOTES	ELECTRICAL KEYNOTES	MECHANICAL / PLUMBING LEGEND	ELECTRICAL LEGEND
IMP1       INDOOR UNIT MINI SPLIT SYSTEM.       IMP3       DRYEE REXAUST OUTLET FROM DRYEE TO EXTERIOR MAX LENGTH 144 WITH MXIMUM OF WITH NOW REMOVABLE BACK FLOW PREVENTERS.         IMP2       WATER CONSERVING FUTURES: NEW WATER TO SO THE CONSERVING FUTURES: NEW WATER OF WATER PER FLUSH, LWATORES I MITEO TO 12 GPM REVENTES SHALL USE NO MORE TWAT IN TA GO GPM AT 60 P3 THEY CAN INCRESS THE FLOW MORE THAN TO REVENTE SO THE FLOW MORE THAN TO PS I AND AUST DEFAULT TO A PREVENTIAL CONSERVING FUTURES INTED TO 12 GPM RATE OF 18 GALLONS PER MIN AT 60 OF AN INCH (2466 MM). EXPANSITE DUTY SHALL BE OF RUID META & SHALL HAVE SMOOTH INTEROR SURFACES. THE COMMENT DUTY SHALL BE OF RUID META & SHALL HAVE SMOOTH INTEROR SURFACES. THE COMMENT DUTY SHALL BE OF RUID META & SHALL HAVE SMOOTH INTEROR SURFACES. THE COMMENT DUTY SHALL BE COMPOSITE WITH AN INCH (2466 MM). EXPANSITE DUTY SHALL BE COMPOSITE WITH BE CONSERVED FER MIN AT 60 OF AN INCH (2466 MM). EXPANSITE DUTY SHALL BE COMBINE TO AN INCH (2466 MM). EXPANSITE DUTY SHALL BE COMBINE TO AN INCH (2466 MM). EXPANSITE DUTY SHALL BE COMBINE TO AN INCH (2466 MM). EXPANSITE DUTY SHALL BE COMBINE TO AN INCH (2466 MM). EXPANSITE DUTY SHALL BE COMPOSITE WATER READ CORE SPECIFICATIONS FOR WATER READ CORE SPECIFICATIONS FOR WATER READ CORE SPECIFICATIONS FOR WATER READ CORE SPECIFICATIONS FOR WATER REATER. TO HAVE COMPONING SHOWERS SHALL ENCY COMERS FER WATER REATER. TO HAVE COMPONING COMBINE TO WATER REATER TO HAVE COMPONING COMBINE TO BE SHALL SPACE (CORE SALLS)         MP2       NEW WATER REATER. TO HAVE COMPONING COMBINE TO WATER REATER TO HAVE COMPONING SHOWER HEATER THAT ALSO ALLOWS GRAVITY DRAINAGE       MP11 INSTANTANEOUS WATER REATER FOR THE REATER SHALL HAVE BOS OF THE HATER THAT ALSO ALLOWS GRAVITY DRAINAGE       MP12 INSTANTANEOUS WATER REATER TO HAVE COMPONING PIPE (1100000000000000000000000000000000000	<ul> <li>E1 DEDICATED 30 AMP/ 240V POWER FOR ELECTRIC DRYER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE SPECIFICATIONS</li> <li>E2 OUTLET FOR NEW WATER HEATER WITHIN 3' OF WATER HEATER.</li> <li>E3 ELECTRICAL - SUB PANEL LOCATION</li> <li>E4 OUTLET AT COUNTER HEIGHT - SHALL COMPLY WITH CEC ARTICLE 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL BE INSTALLED AT A DISCONNECTING MEANS CAPABLE OF DISCONNECTING AND CONTROLLERS NALL HAVE AT LEAST ONCE RECEPTACLE SHALL HAVE AT LEAST ONCE RECEPTACLE DISCONNECTING AND CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.</li> <li>E6 OUTLET DEDICATED FOR INDOOR HVAC UNIT</li> <li>E7 WEATHER RESISTANT TYPE RECEPTACLES GFCI PROTECTED</li> <li>E8 OVER-CURRENT FEEDER TO EXTEND TO EXISTING PANEL- ALUMINUM CONDUCTOR BURIED UNDER GROUND WITH AWG ALLOWABLE VOLTAGE DROP PER CEC 250.4</li> </ul>	<ul> <li>★ EXHAUST FAN: MINIMUM 50 CFM TO BE DUCTED TO THE EXTERIOR AND SHALL PROVIDE FIVE AIR CHANGES PER HOUR; SECTION 1203.3. 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.</li> <li>DUCT SYSTEMS ARE SIZED, DESIGNED AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS:         <ol> <li>ESTABLISH HEAT LOSS AND HEAT GAIN VALUES ACCORDING TO ANSI/ ACCA 2 MANUAL J-2011 OR EQUIVALENT.</li> <li>SIZE DUCT SYSTEMS ACCORDING TO ANSI/ ACCA 1 MANUEL D-2014 OR EQUIVALENT.</li> <li>SIZE DUCT SYSTEMS ACCORDING TO ANSI/ ACCA 1 MANUEL D-2014 OR EQUIVALENT.</li> <li>SIZE CT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ ACCA 3 MANUAL S-2014 OR EQUIVALENT.</li> <li>SUPPLY AIR DIFFUSER, WALL MOUNTED</li> <li>THERMOSTAT</li> <li>HOSE BIB</li> </ol> </li> </ul>	<ul> <li>FIRE DETECTION</li> <li>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.</li> <li>SHALL COMPLY WITH THE FOLLOWING: <ul> <li>AT LEAST 3' FROM THE TIP OF THE BLADE OF A CEILING-MOUNTED FAN</li> <li>NOT LESS THAN 3' FROM THE DOOR OPENING OF A BATHROOM</li> <li>AT LEAS 20' FROM A COOKING APPLIANCE OR 10' FROM COOKING APPLIANCE WHEN THE ALARM IS AN IONIZING SMOKE ALARM PER NFPA 72 SECTION 29.8.3.4 ITEM 4</li> <li>AT LEAST 3' FROM SUPPLY REGISTERS OF A HEATING /COOLING SYSTEM</li> </ul> </li> <li>CM 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 ACTIVATE ALL O F THE ALARMS IN THE UNIT.</li> </ul>







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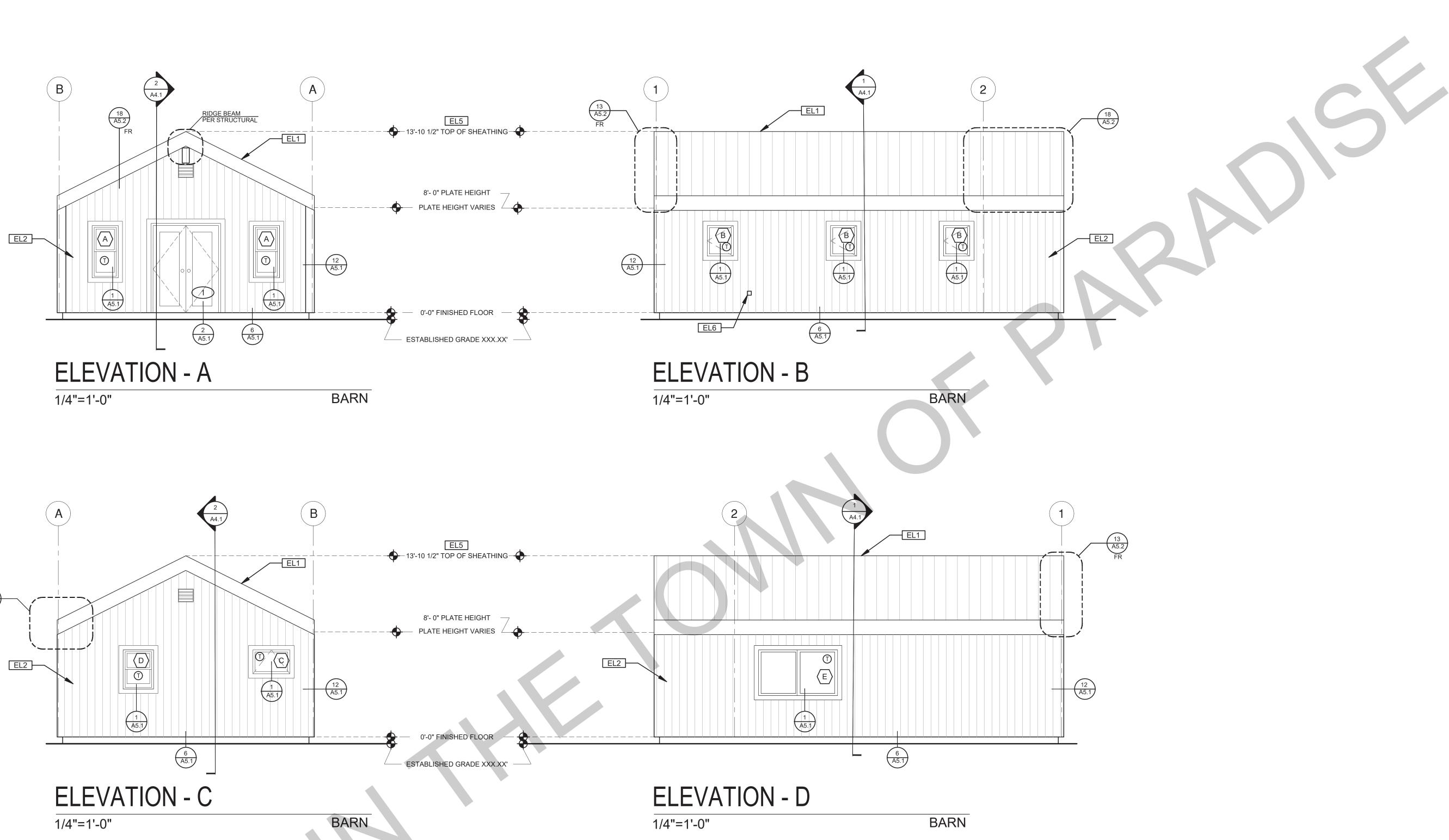
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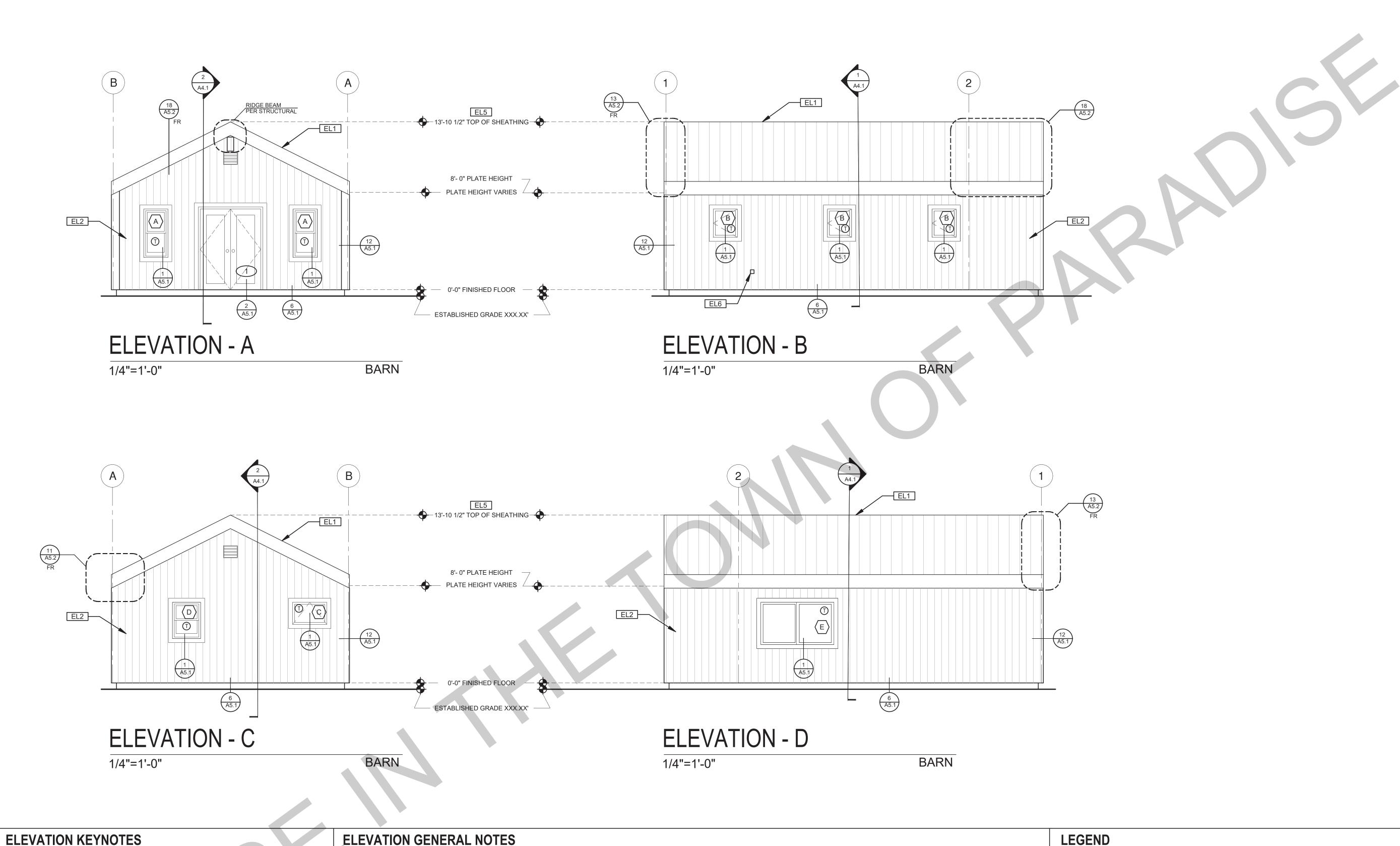
# project

Town of Paradise Pre-Approved ADU Program

revisions  $\triangle$  $\square$ description Mechanical/ Electrical/ Plumbing Plans - Reverse date ## Month 20## project no. 20##\_xxxxx drawn by xxx/xxx sheet no. A2.1R

ER/DATA	SWI	TCHING	LIGH	ITING
TAMPER RESISTANT RECEPTACLE WALL MOUNTED, 110 V DUPLEX U.	<b>○</b> N <sup>\$</sup>	SWITCH, MOUNT AT 43" AFF	R	CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB
= WATER PROOF GFCI = COOKTOP/ GRILL 240 V	\$3 \$4 \$0	THREE-WAY SWITCH FOUR-WAY SWITCH	R	CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB
= OVEN 240 V = MICROWAVE 110 V = GARBAGE DISPOSAL 110 V	↓ <sub>D</sub> \$ <sub>C</sub>	DIMMER SWITCH MOUNT 6" ABV COUNTER	R	CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB
= RANGE 220V	MISC	).	Ю	WALL MOUNTED LIGHT
= COUNTER HEIGHT 6" ABV COUI = INDOOR UNIT POWER 84" AFF	NTER	CEILING FAN/LIGHT COMBO	L	JUNCTION BOX FLUSH CEILING MOUNTED
= WASHER/DRYER 30AMP/ 240AMP	$\sim$		- <b>(</b> -	UNDER COUNTER LIGHTING
PHONE / DATA / MEDIA	(	CIRCUIT WIRING	Ś	LOW VOLTAGE, LANDSCAPE LIGHT
CEILING, WATERPROOF OUTLET FLOOR MOUNTED DUPLEX RECEPTACLE, VERIFY LOCATION	IN	DOOR BELL BUTTON		FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)
FIELD. SPECIAL PURPOSE CONNECTION				
				S:PER CGBC 4.506.1- EACH BATHROOM SHALL BE
APPLIANCE REQ.)				THE FOLLOWING: 1. FANS SHALL BE ENERGY
				TSIDE THE BUILDING. 2. UNLESS FUNCTIONING AS
				TEM, FANS MUST BE CONTROLLED BY A HUMIDITY E OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY
				Y CONTROL MAY UTILIZE MANUAL OR AUTOMATIC
		UIRED TO BE INTEGRAL(I.)		Y BE A SEPARATE COMPONENT TO EXHAUST FAN
		ENERGY LIGHTING F	,	ENTS:ES 150.0(K)
F	*IN THE KITCHEN, AT	LEAST ONE-HALF OF THE WAT	TAGE RATING (	DF THE FIXTURES MUST BE HIGH EFFICACY.
		S, AT LEAST ONE FIXTURE SHAL NTROLLED BY A VACANCY SEN		ICACY AND ALL REMAINING FIXTURES SHALL BE HIGH
		D IN GARAGES, LAUNDRY ROOI		Y ROOMS SHALL BE HIGH EFFICACY AND BE CONTROLLED





# 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 (WUI COMPLIANT) TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

ALL DIMENSIONS TO FINISH FACE, U.N.O. 2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST

INTERSECTING WALL AT HINGED SIDE, U.N.O. 3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING

OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

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

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

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

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



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# project

Town of Paradise Pre-Approved ADU Program

revisions  $\square$  $\square$  $\square$ description Exterior Elevations Barn

date	## Month 20##
project no.	20##_xxxxxx
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drawn by	xxx/xxx
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ELEVATION ELEVATION MARKER

SECTION CUT

CALLOUT

DETAIL

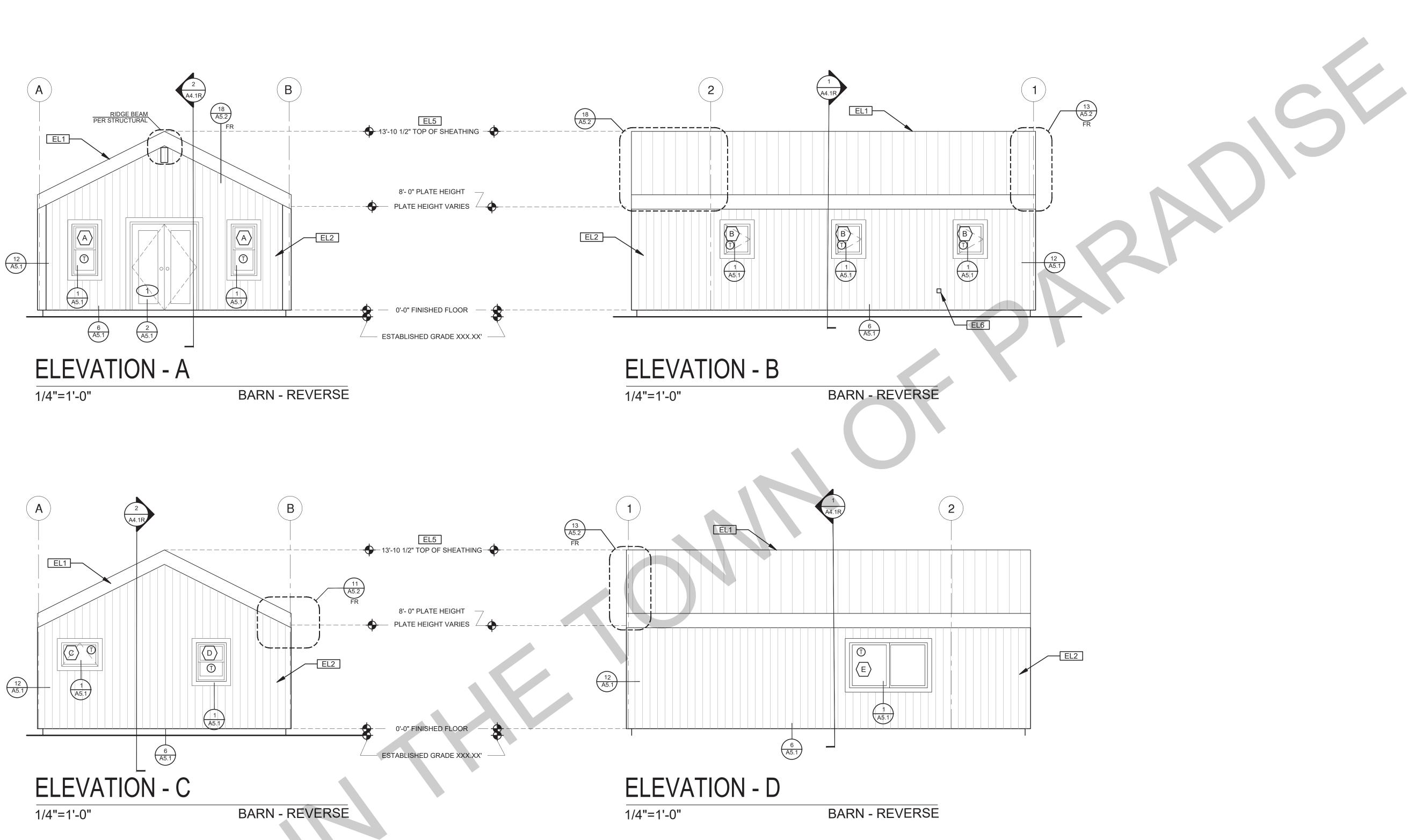
DRAWING REF.  $(\overline{})$ TEMPERED GLASS

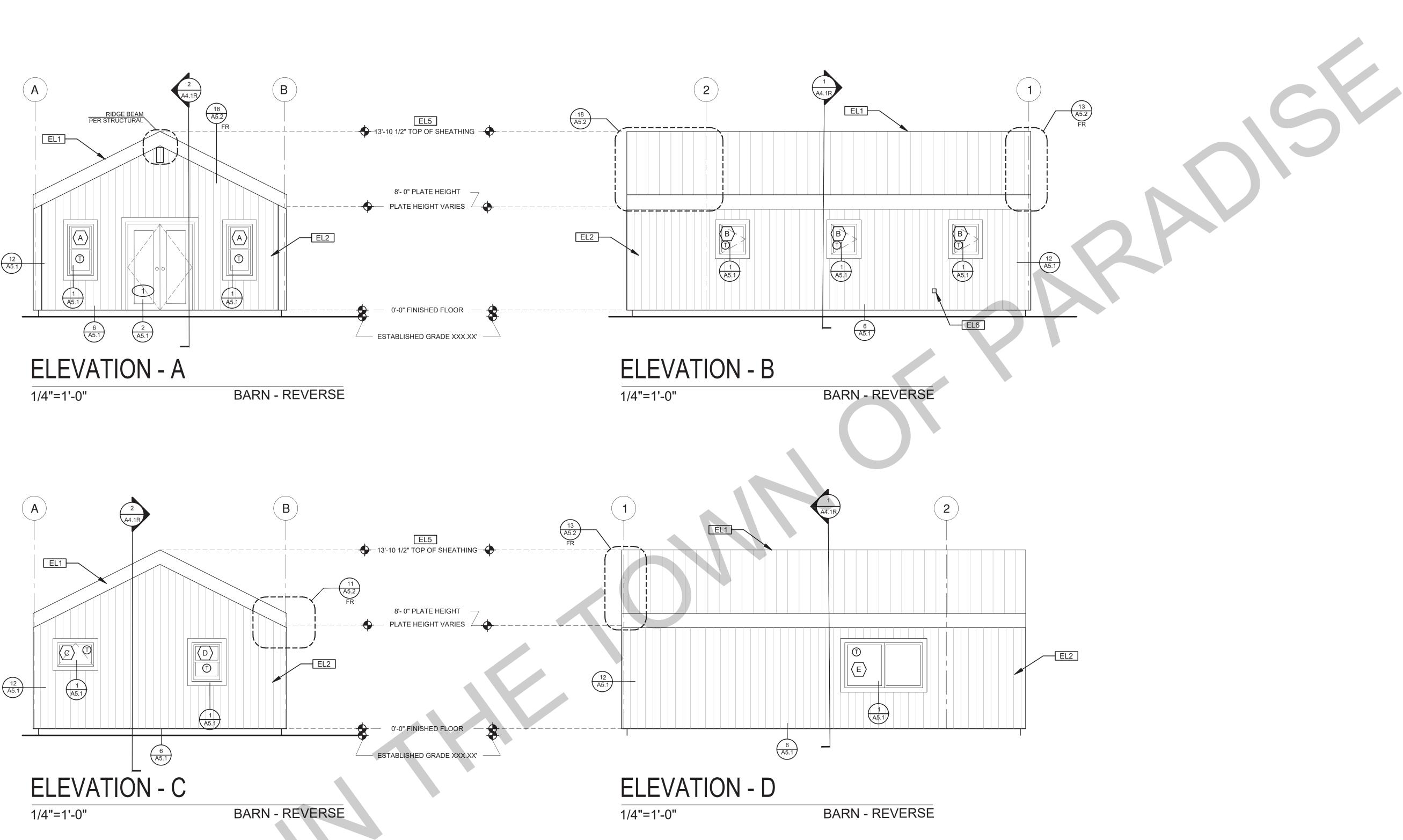
X DOOR SYMBOL WINDOW SYMBOL

1 KEYNOTE

SPRAY FIN. STUCCO **BOARD & BATTEN** GLAZING

ROOFING





# **ELEVATION KEYNOTES**

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

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# project

Town of Paradise Pre-Approved ADU Program



ELEVATION CALLOUT DETAIL DRAWING REF. ELEVATION MARKER

SECTION CUT

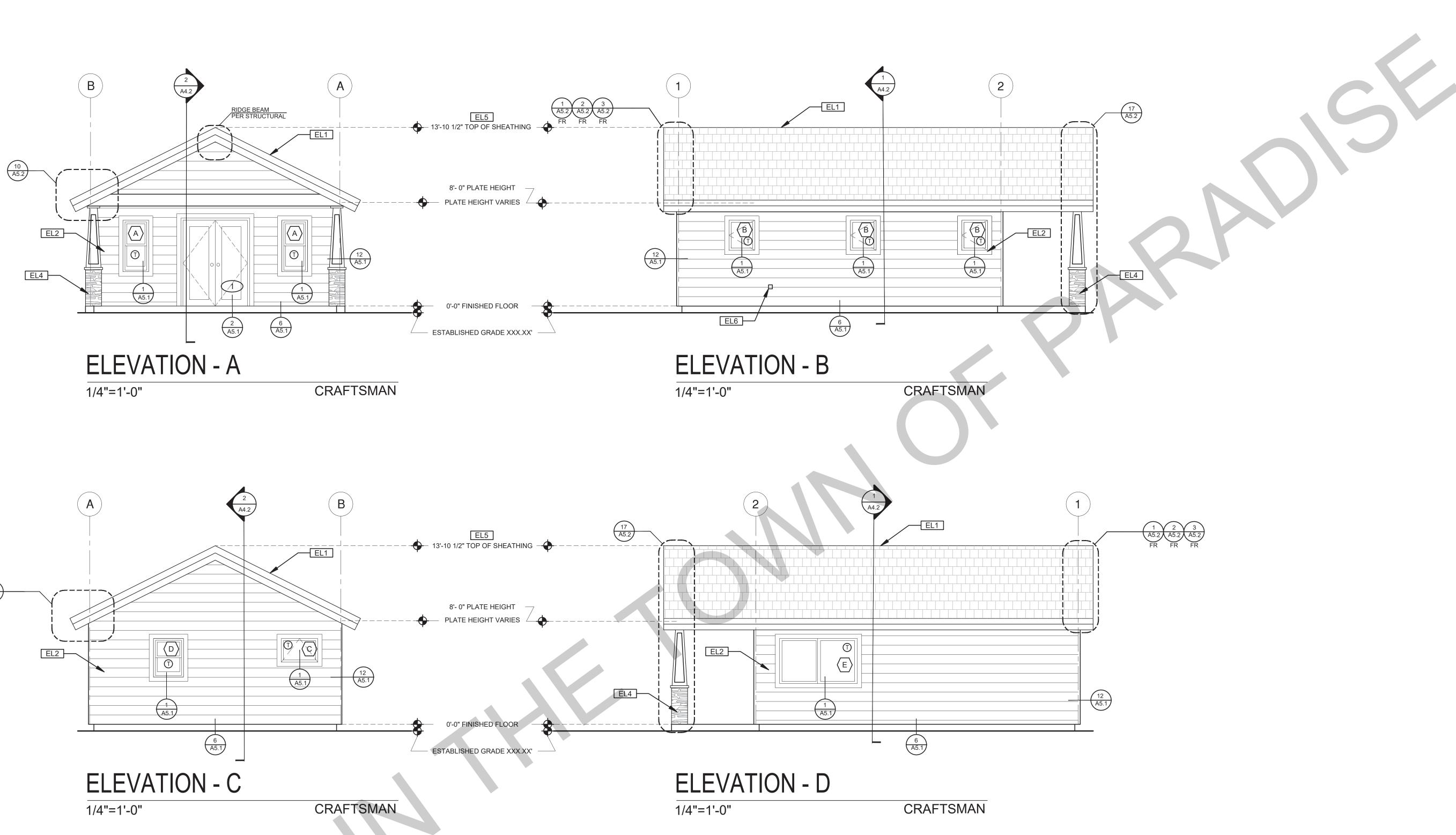
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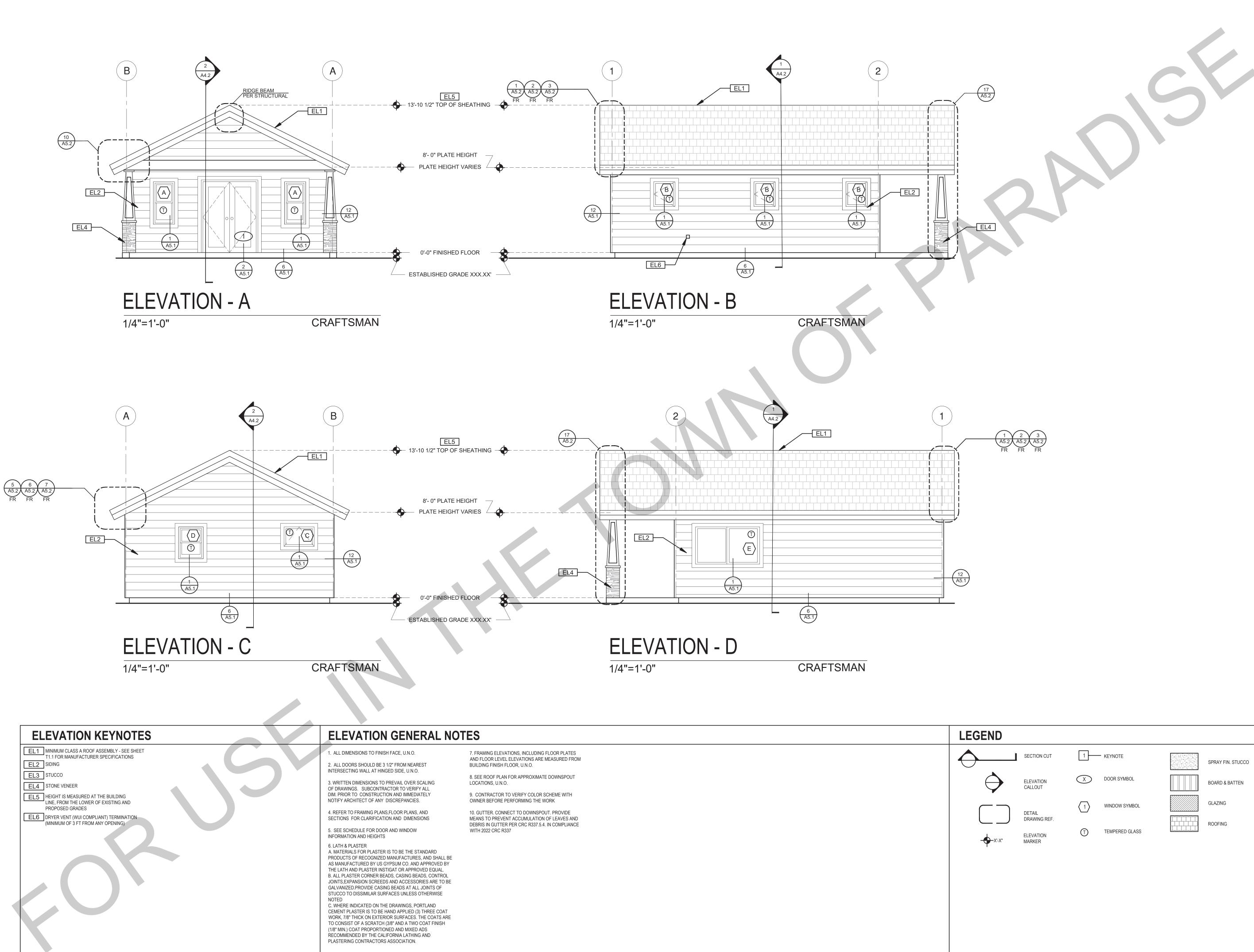
1 KEYNOTE

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GLAZING ROOFING

SPRAY FIN. STUCCO **BOARD & BATTEN** 





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project

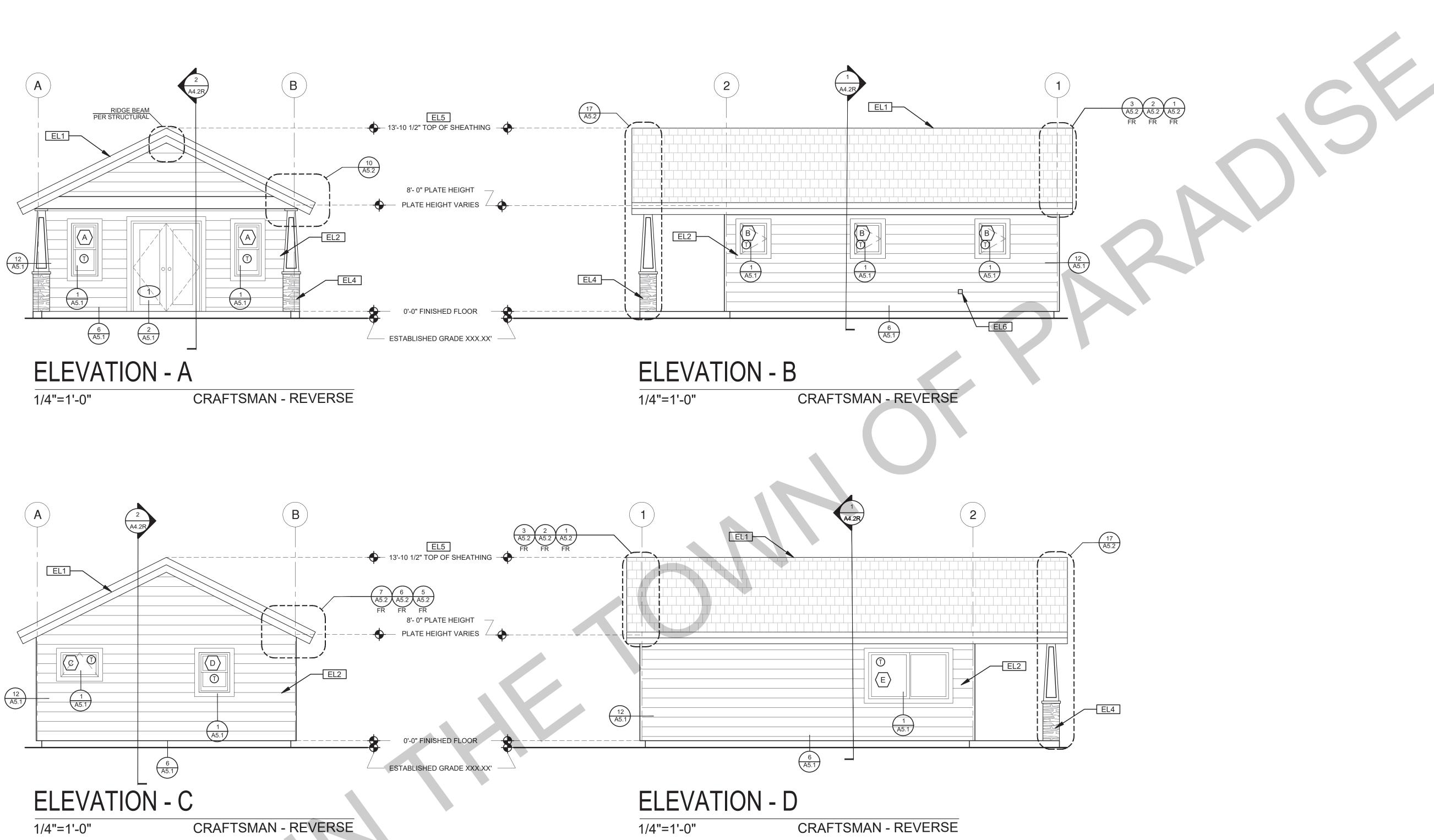
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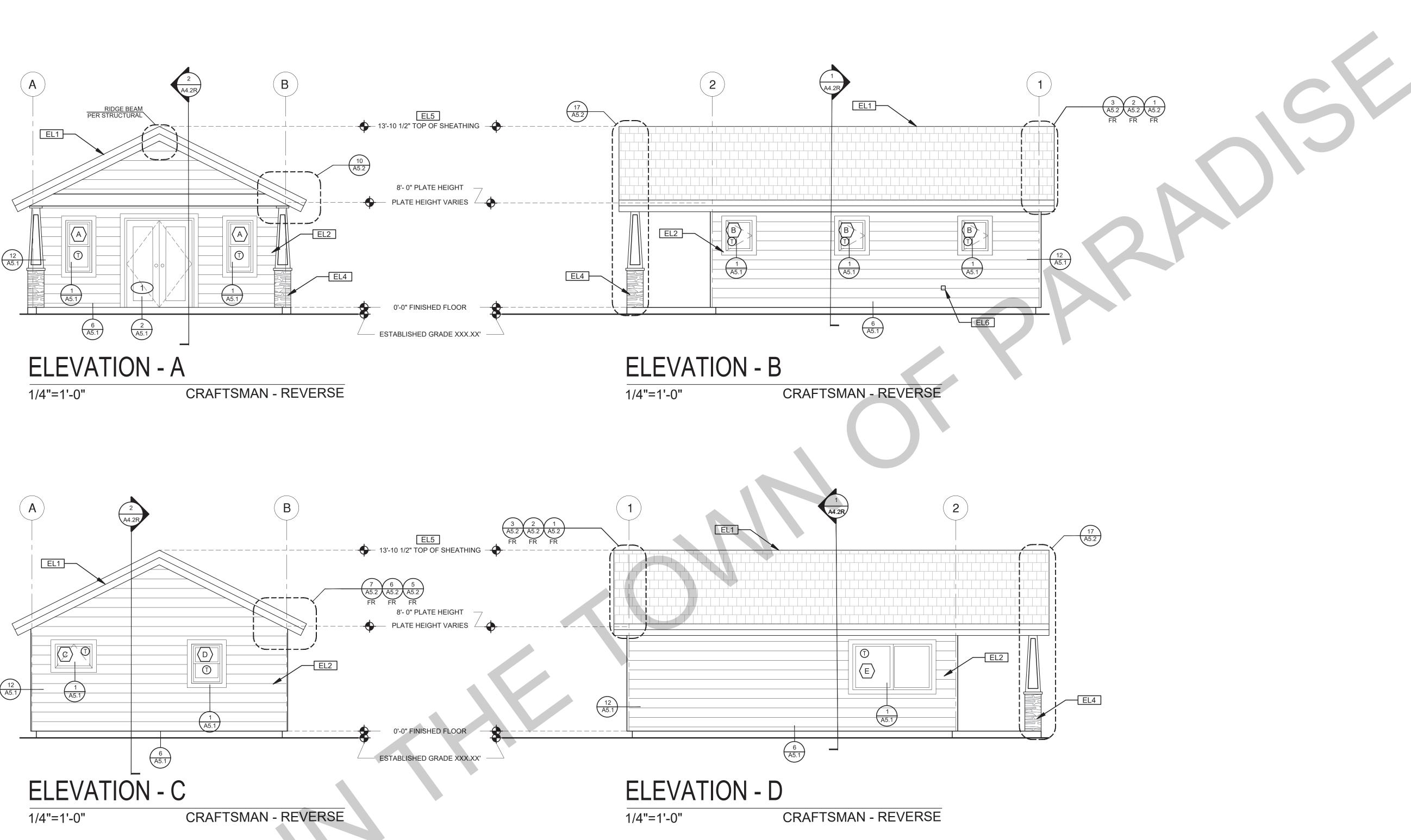
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Town of Paradise Pre-Approved ADU Program

 $\square$ description Exterior Elevations Craftsman

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

- 6. LATH & PLASTER
- A. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURES, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL. B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREEDS AND ACCESSORIES ARE TO BE
- GALVANIZED.PROVIDE CASING BEADS AT ALL JOINTS OF STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE NOTED C. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT
- WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS ARE TO CONSIST OF A SCRATCH (3/8" AND A TWO COAT FINISH (1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNIA LATHING AND PLASTERING CONTRACTORS ASSOCIATION.



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# project

Town of Paradise Pre-Approved ADU Program



SECTION CUT ELEVATION  $\square$ CALLOUT DETAIL DRAWING REF. ELEVATION -**---**X'-X" MARKER

 $(\overline{})$ TEMPERED GLASS

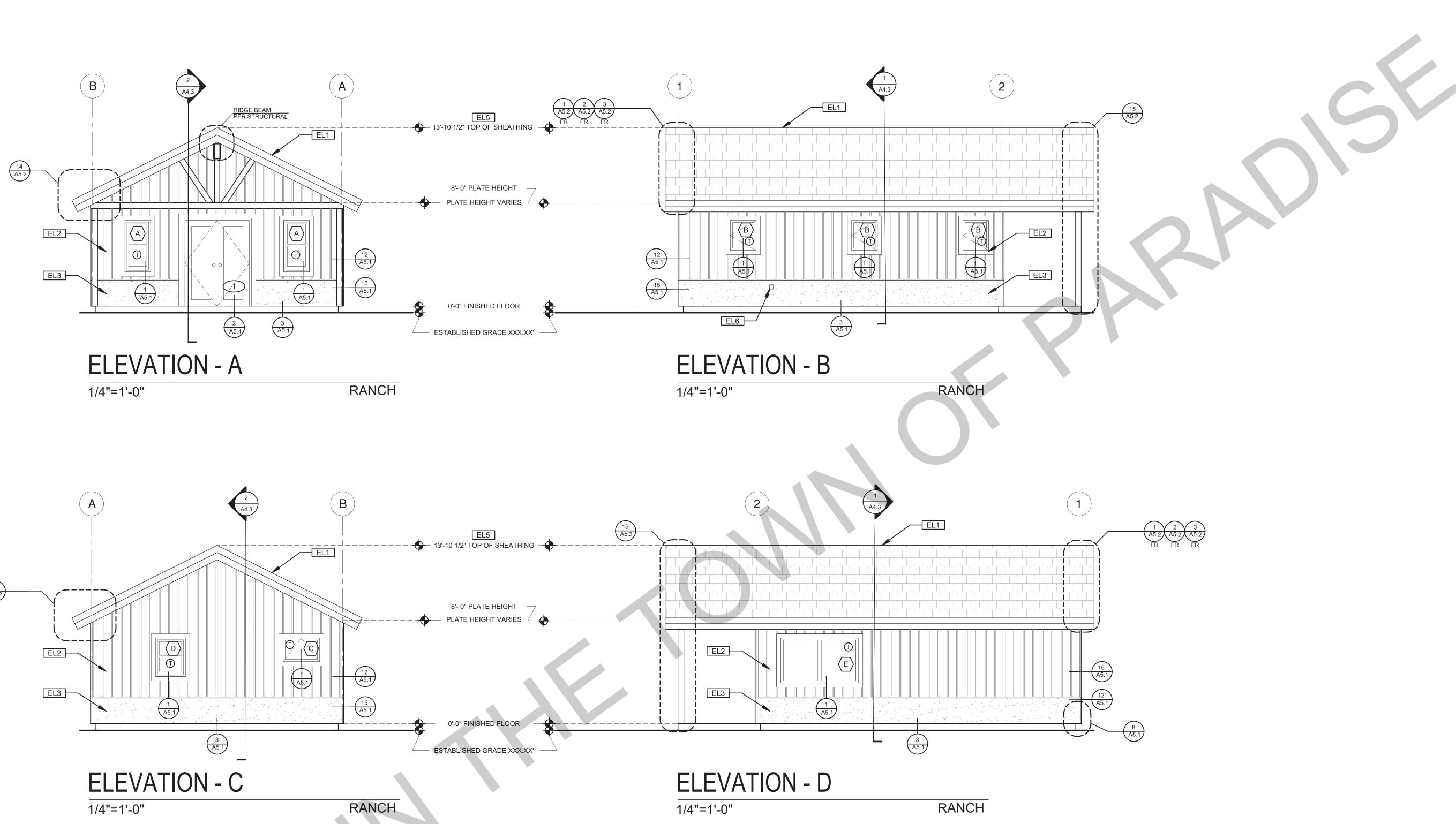
1 KEYNOTE

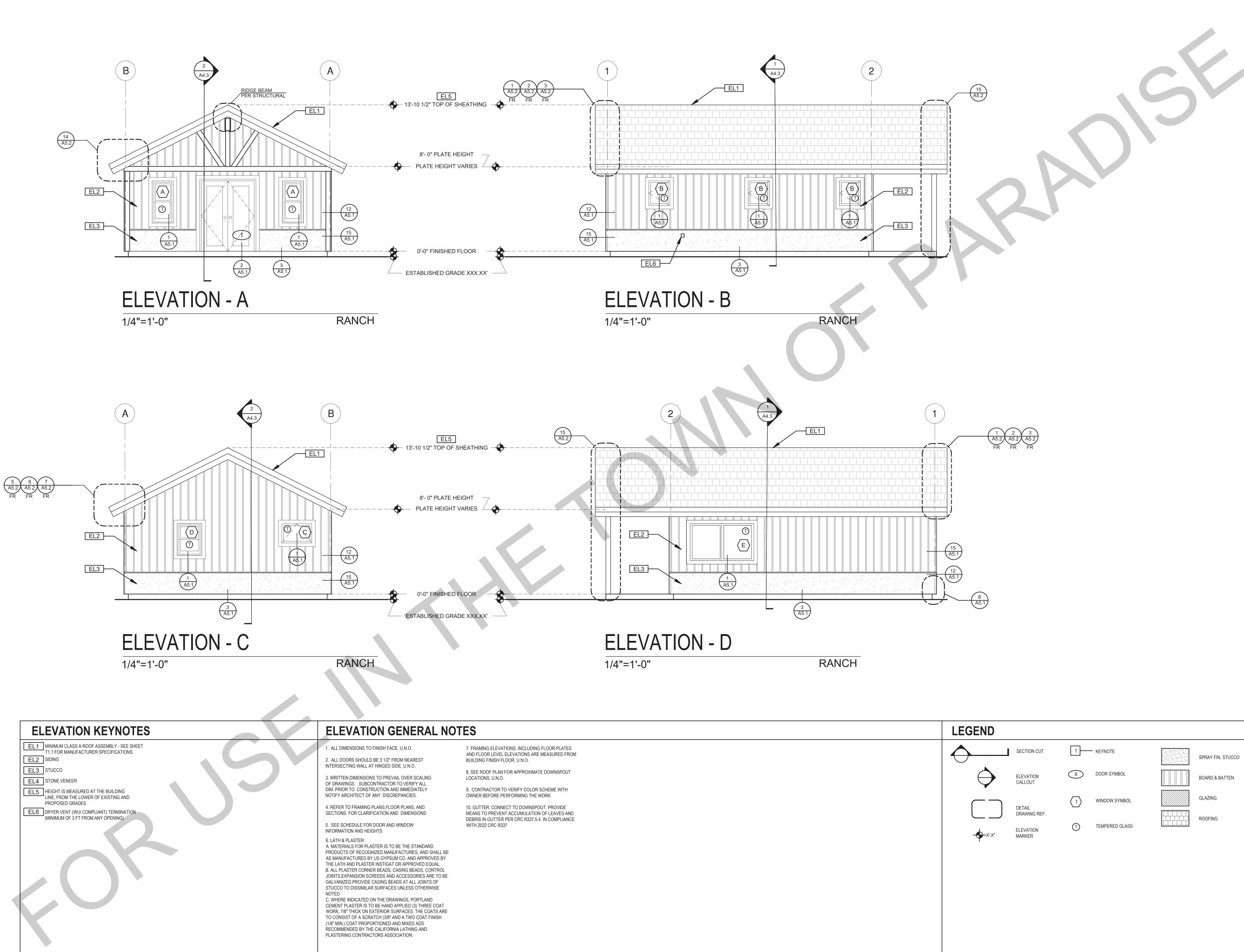
X DOOR SYMBOL WINDOW SYMBOL

GLAZING

SPRAY FIN. STUCCO **BOARD & BATTEN** 

ROOFING





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project

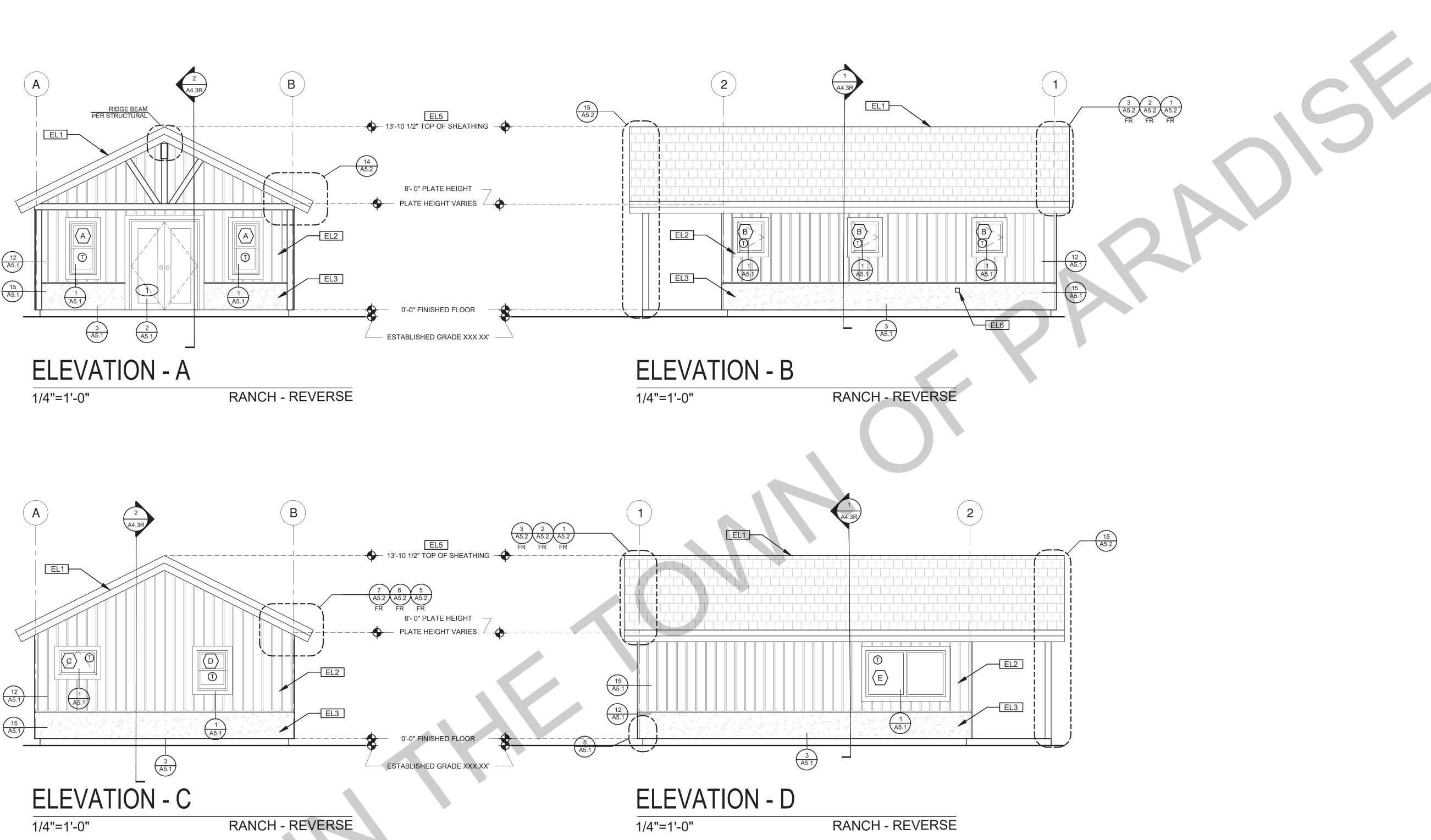
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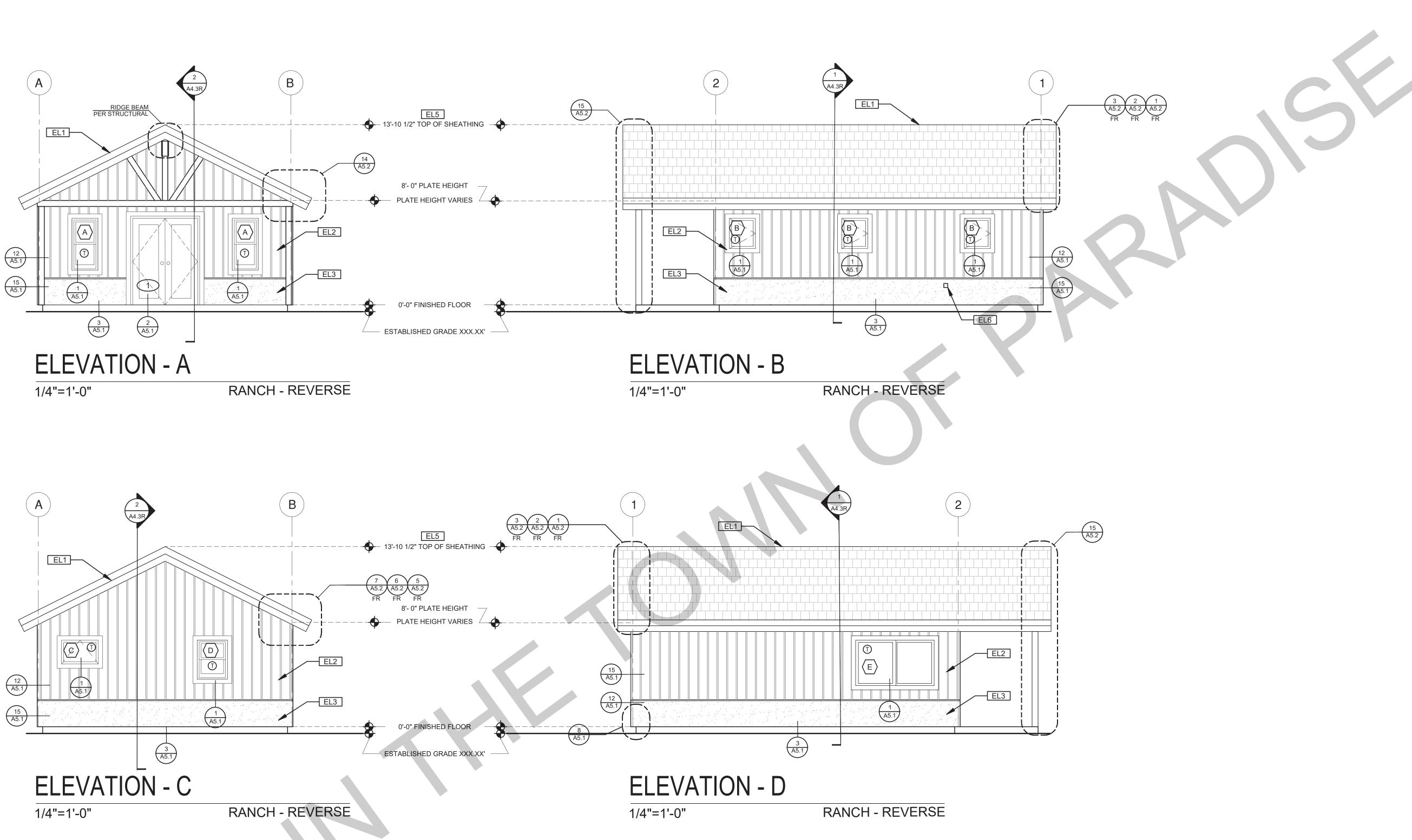
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Town of Paradise Pre-Approved ADU Program

 $\square$ description Exterior Elevations Ranch

date	## Month 20##
project no.	20##_xxxxxx
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# **ELEVATION KEYNOTES**

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

- EL2 SIDING
- EL3 STUCCO
- EL4 STONE VENEER
- EL5 HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND PROPOSED GRADES
- EL6 DRYER VENT (WUI COMPLIANT) TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

# **ELEVATION GENERAL NOTES**

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

### OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

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

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

- 6. LATH & PLASTER A. MATERIALS FOR PLASTER IS TO BE THE STANDARD
- PRODUCTS OF RECOGNIZED MANUFACTURES, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL. B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS EXPANSION SCREEDS AND ACCESSORIES ARE TO BE
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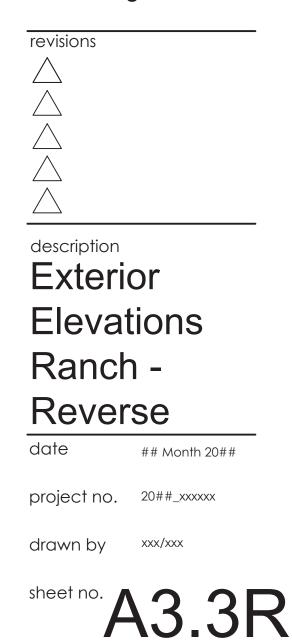
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SECTION CUT ELEVATION CALLOUT DETAIL ELEVATION MARKER

DRAWING REF.  $(\overline{})$ 

X DOOR SYMBOL WINDOW SYMBOL

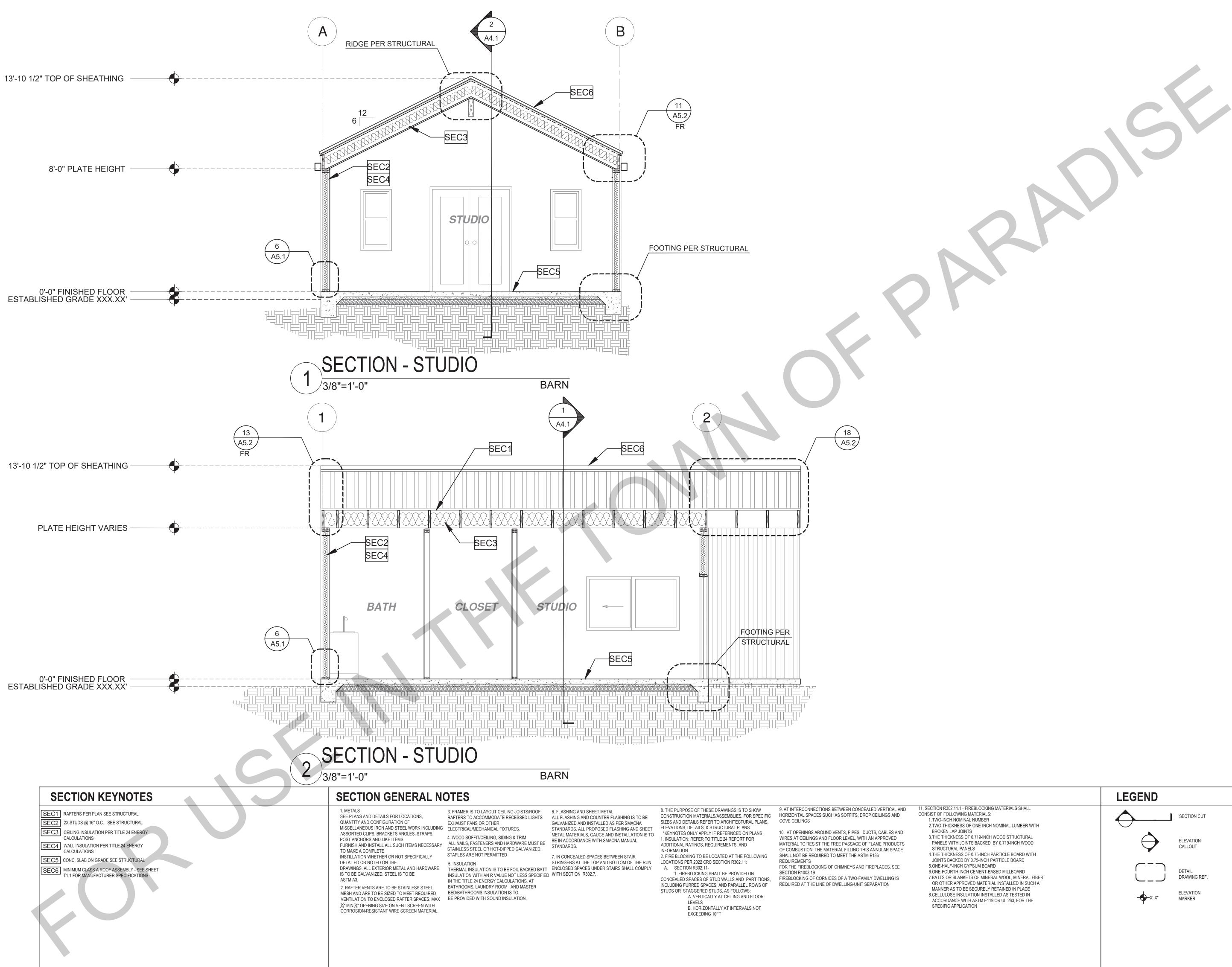
TEMPERED GLASS

1 KEYNOTE

SPRAY FIN. STUCCO **BOARD & BATTEN** 

GLAZING

ROOFING



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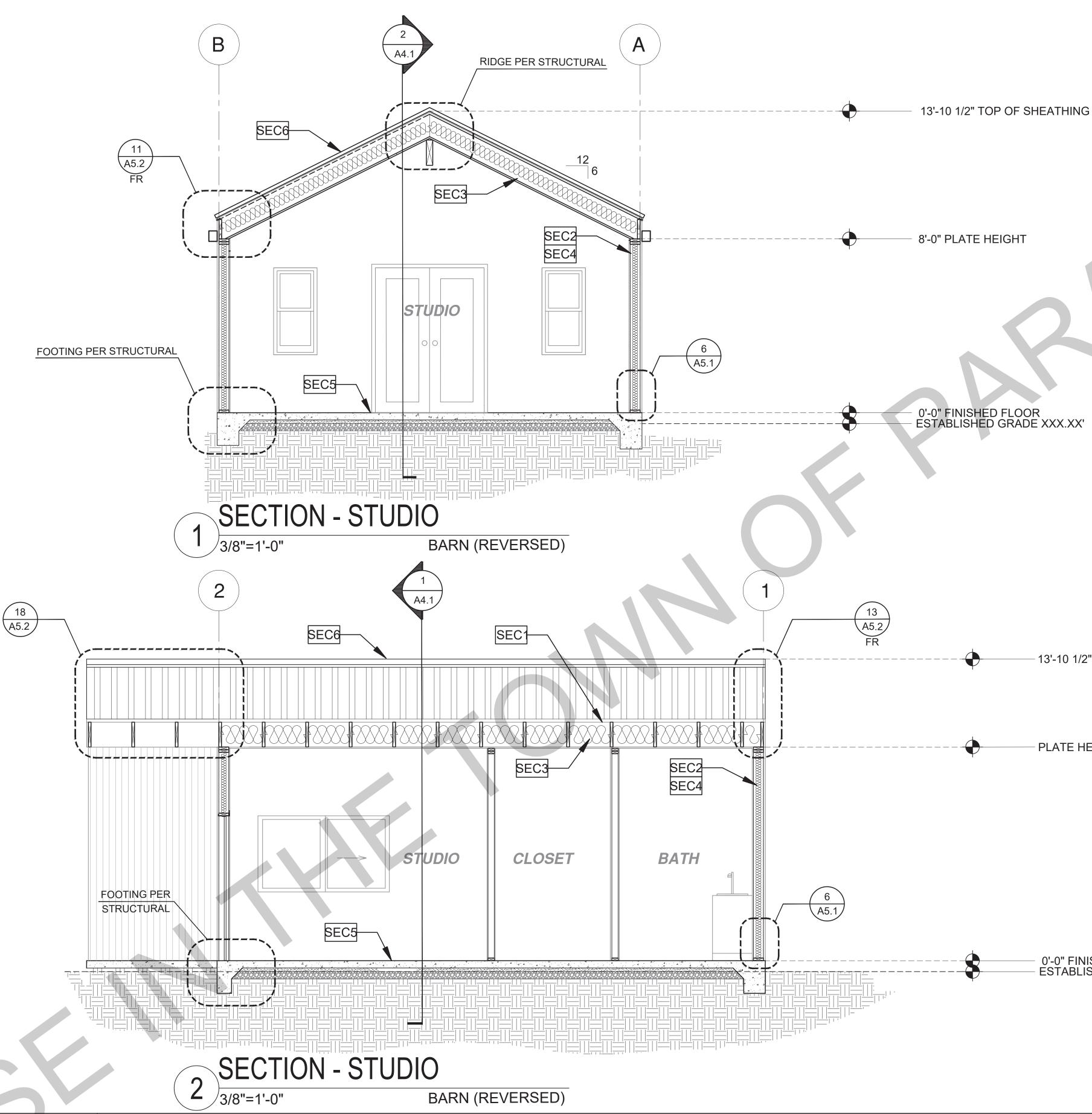
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Town of Paradise Pre-Approved ADU Program

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description Building Sections Barn

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project no.	20##_xxxxxx
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# SECTION KEYNOTES

SEC1 RAFTERS PER PLAN SEE STRUCTURAL EC2 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 **SECTION GENERAL NOTES** 

18

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

IS TO BE GALVANIZED. STEEL IS TO BE

ASTM A3.

5. INSULATION DRAWINGS. ALL EXTERIOR METAL AND HARDWARE

2. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX BE PROVIDED WITH SOUND INSULATION,  $\frac{1}{4}$ " MIN  $\frac{1}{6}$ " OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL

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

STAINLESS STEEL OR HOT-DIPPED GALVANIZED. STAPLES ARE NOT PERMITTED

INSULATION WITH AN R VALUE NOT LESS SPECIFIED WITH SECTION R302.7. IN THE TITLE 24 ENERGY CALCULATIONS. AT BATHROOMS, LAUNDRY ROOM , AND MASTER BED/BATHROOMS INSULATION IS TO

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

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

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

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

1. FIREBLOCKING SHALL BE PROVIDED IN INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR LEVELS B. HORIZONTALLY AT INTERVALS NOT

EXCEEDING 10FT

9. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND COVE CEILINGS

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

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

11. SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL NUMBER BROKEN LAP JOINTS 3. THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL STRUCTURAL PANELS JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5.ONE-HALF-INCH GYPSUM BOARD 6.ONE-FOURTH-INCH CEMENT-BASED MILLBOARD MANNER AS TO BE SECURELY RETAINED IN PLACE 8.CELLULOSE INSULATION INSTALLED AS TESTED IN

SPECIFIC APPLICATION

- 13'-10 1/2" TOP OF SHEATHING

- PLATE HEIGHT VARIES

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

LEGEND SECTION CUT 2. TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH ELEVATION  $\rightarrow$ PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD CALLOUT 4.THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH DETAIL DRAWING REF. 7.BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A ELEVATION MARKER ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE

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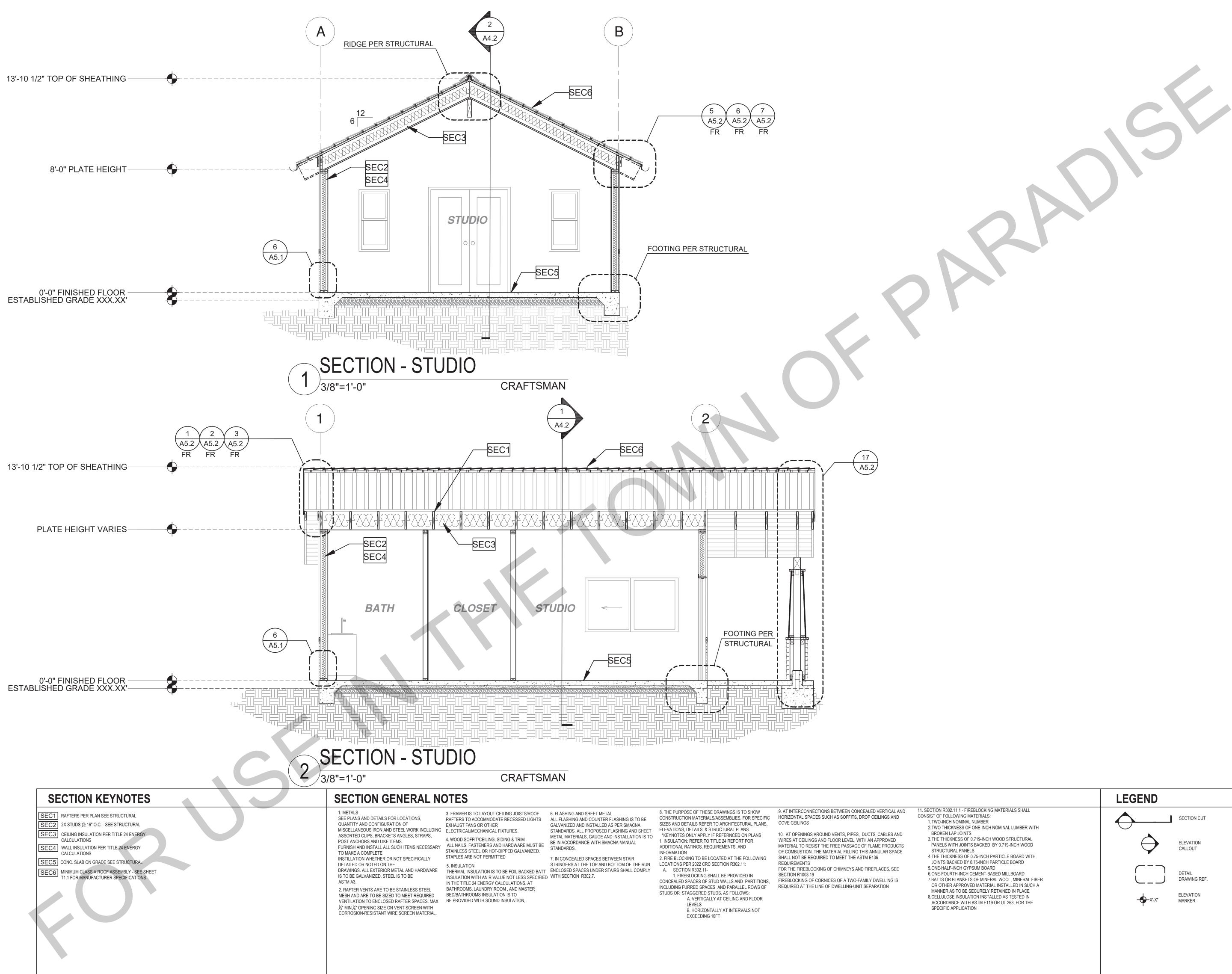
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project

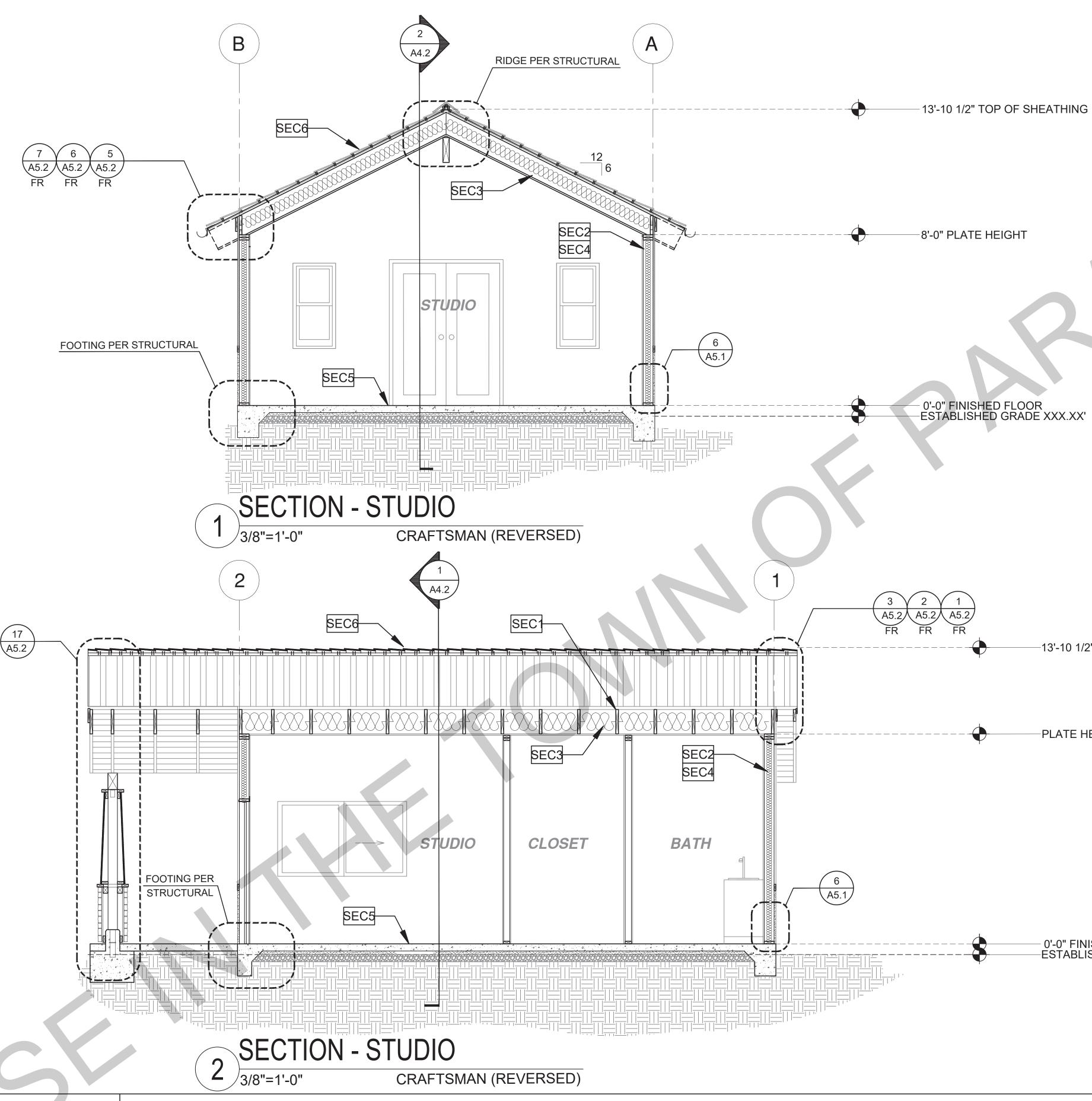
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Town of Paradise Pre-Approved ADU Program

# description Building Sections Craftsman

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
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# SECTION KEYNOTES

SEC1 RAFTERS PER PLAN SEE STRUCTURAL EC2 2X STUDS @ 16" O.C. - SEE STRUCTURAL SEC3 CEILING INSULATION PER TITLE 24 ENERGY

CALCULATIONS SEC4 WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS

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

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1. FIREBLOCKING SHALL BE PROVIDED IN INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR LEVELS B. HORIZONTALLY AT INTERVALS NOT

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

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FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION R1003.19

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SPECIFIC APPLICATION

13'-10 1/2" TOP OF SHEATHING

-PLATE HEIGHT VARIES

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

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

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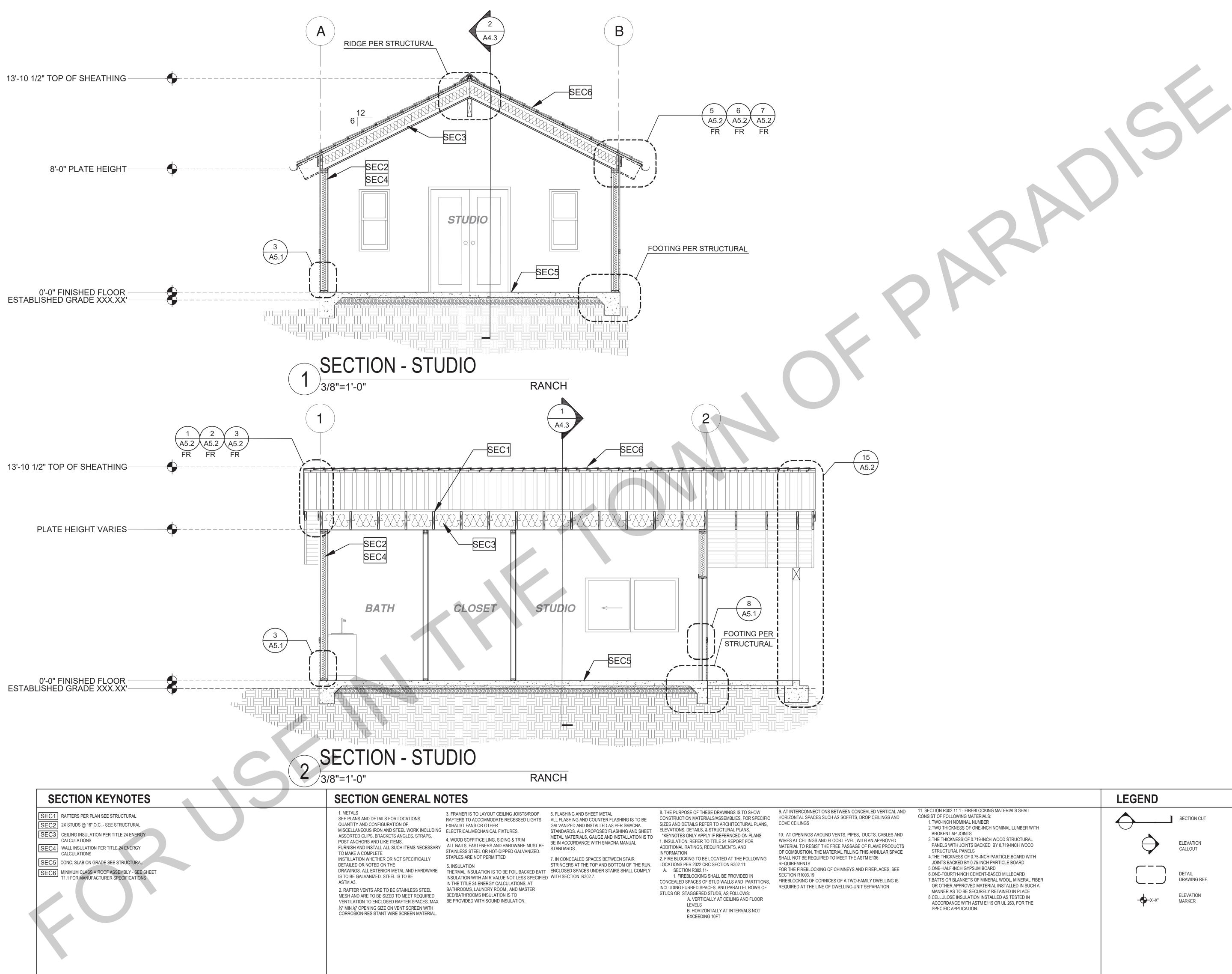
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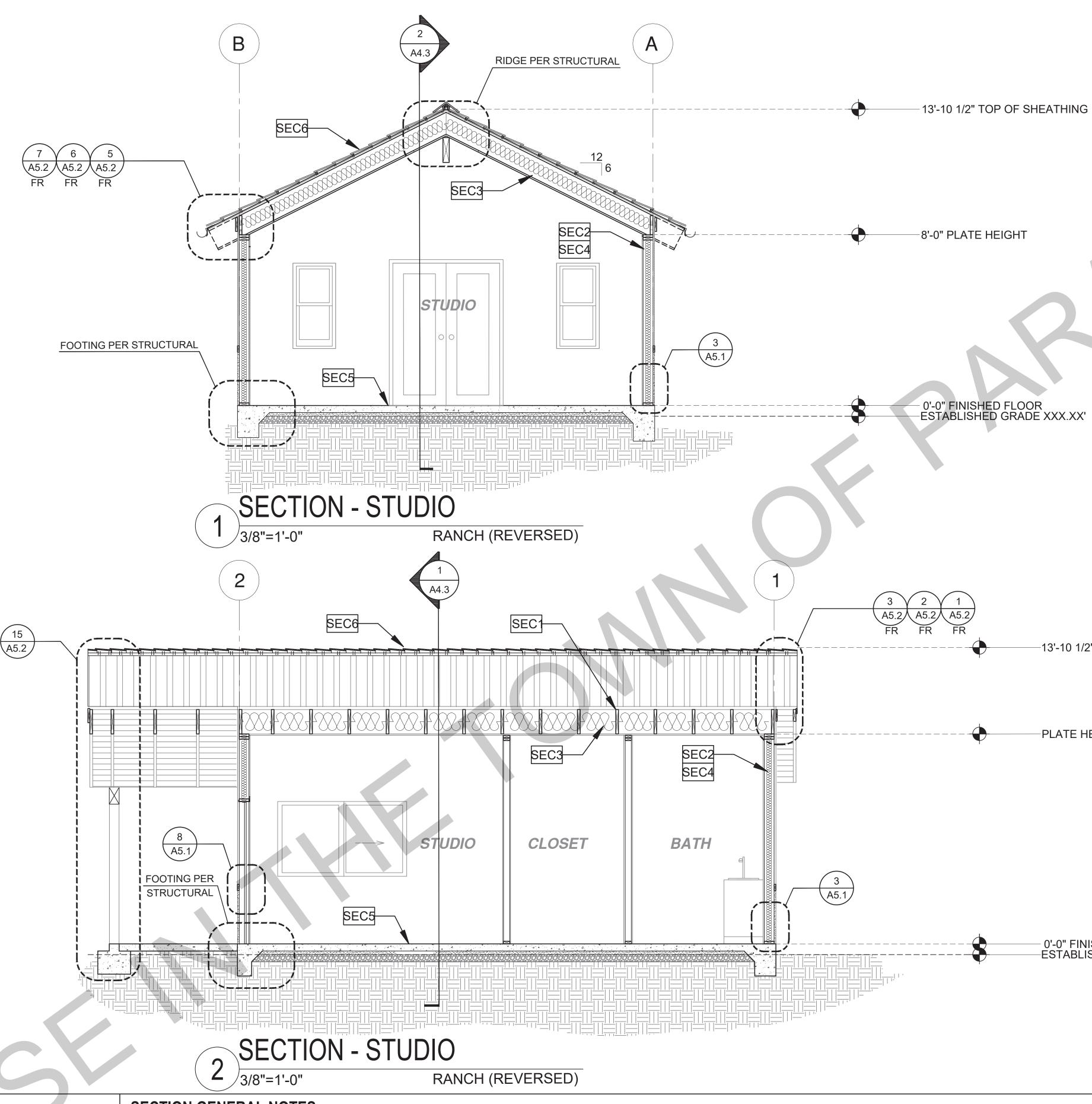
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description Building Sections Ranch

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drawn by	xxx/xxx
sheet no.	43



# SECTION KEYNOTES

SEC1 RAFTERS PER PLAN SEE STRUCTURAL EC2 2X STUDS @ 16" O.C. - SEE STRUCTURAL SEC3 CEILING INSULATION PER TITLE 24 ENERGY

CALCULATIONS SEC4 WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS

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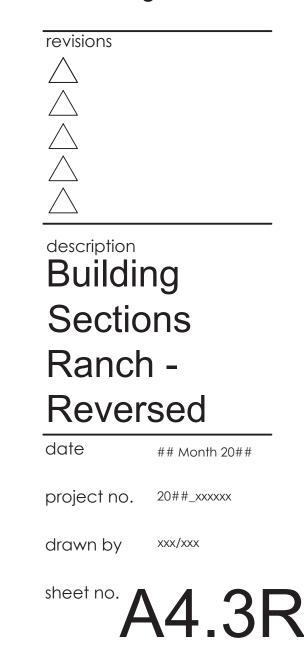
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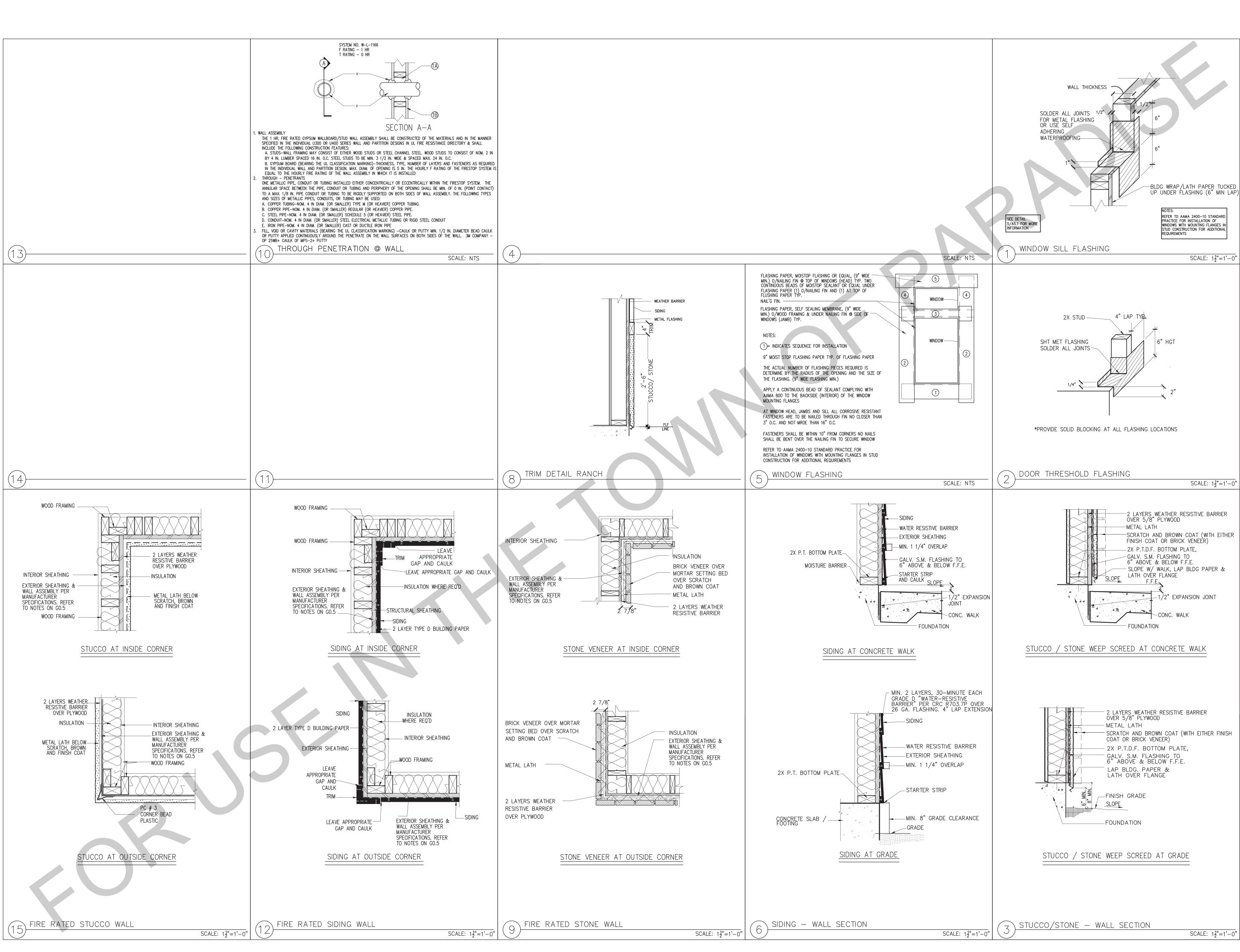
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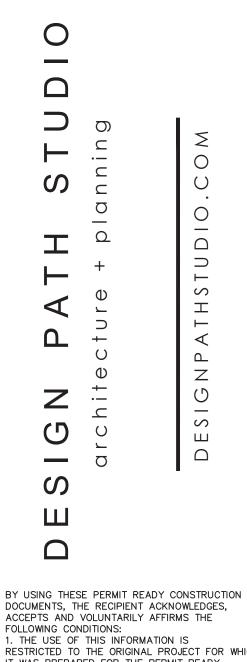
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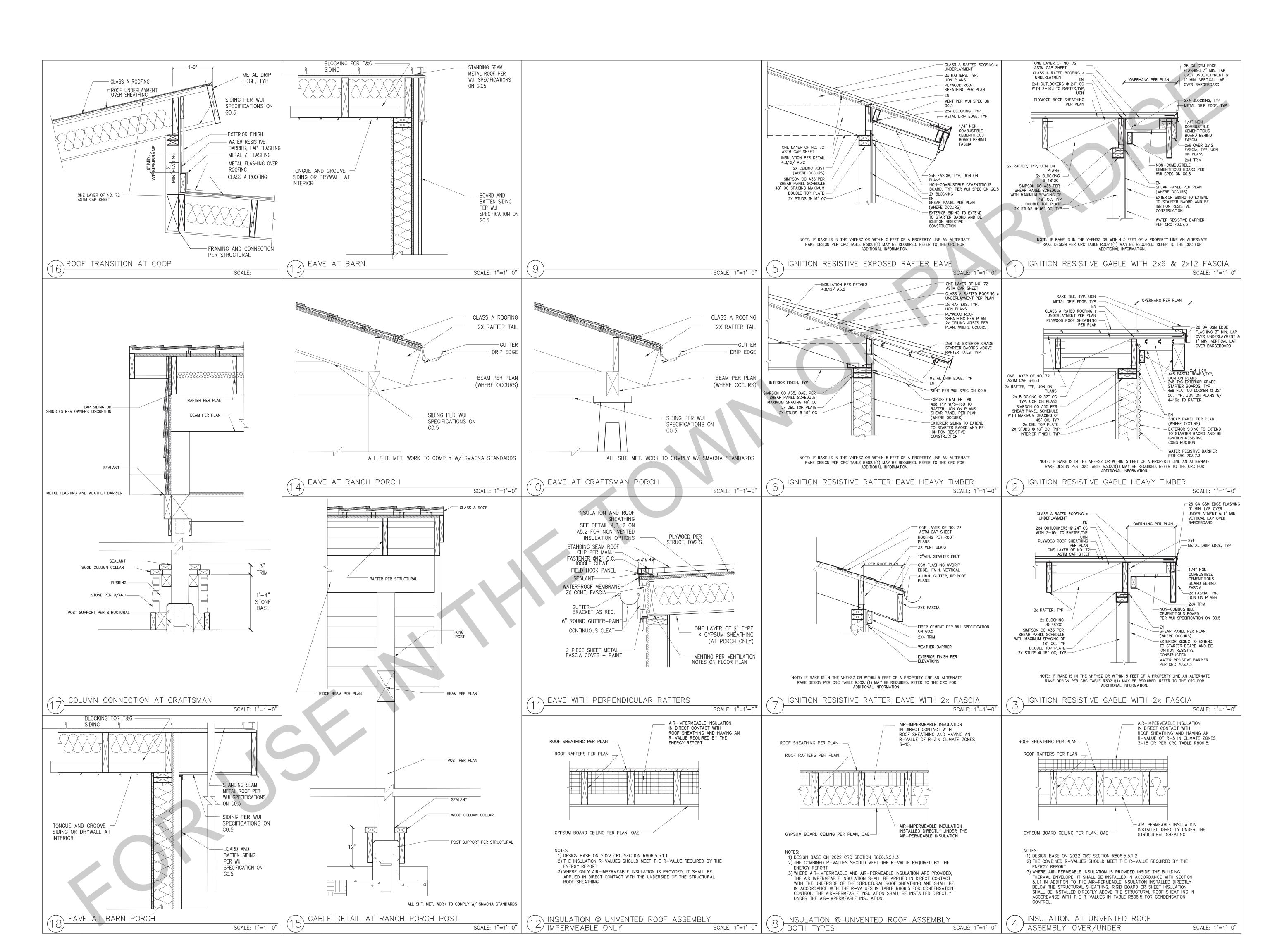
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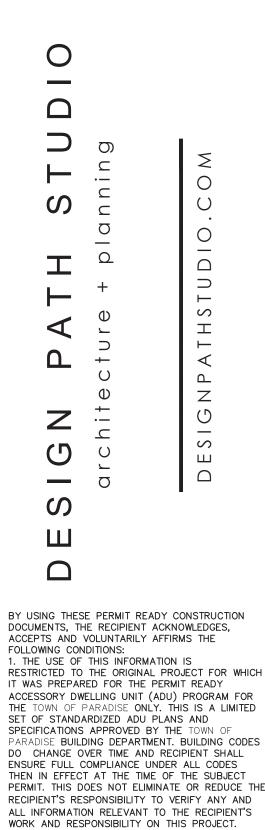
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revisions  $\triangle$  $\square$ description Architectural Wall Finish

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PATH STUDIO OR ITS ARCHITECTS.

DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS

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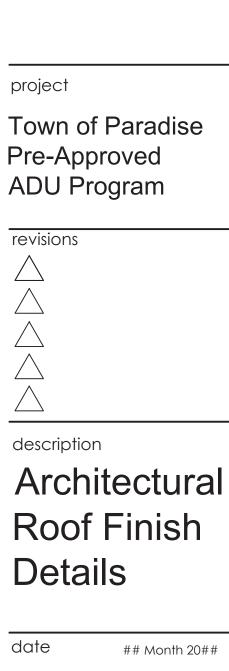
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2.	CONCRETE FOUNDATION CONSTRUCTION	3.	WOOD FRAMING CONSTRUCTION (C
	THE FIELD INSPECTOR SHALL VERIFY FOUNDATION REQUIREMENTS DURING FOUNDATION INSPECTION.	305.	TYPICAL SHEAR TRANSFER: ROOF TO WALL: CONNECT ROOF FRAMING TO TOP PLATE W/ SIMPSON
201.	CONCRETE STRENGTH SHALL BE NO LESS THAN 2,500 PSI @ 28 DAYS, OR HIGHER STRENGTH IF NOTED ON THE PLANS.		OR A35 OR RBC @ 24" O/C OR PER SHEAR TRANSFER DETAILS.
202.	SLAB REINFORCEMENT & FOOTINGS SHALL BE PER STRUCTURAL DETAILS CENTERED IN SLAB.	306.	GROUND FLOOR / SLAB ON GRADE WALLS: PROVIDE 2X (MIN.) PTDF SIL
203.	REINFORCING BARS TO BE GRADE 40 FOR #3 BARS, GRADE 60 FOR #4 BARS & LARGER		SEE CONCRETE FOUNDATION CONSTRUCTION NOTES 206, 207 & 208 F BOLTS. AT INTERIOR NON-SHEAR CONDITIONS, 0.145 SHOT PIN ANCHO
204.	PROVIDE WEAKENED PLANE JOINTS FOR CRACK CONTROL (SAWCUT OR TOOLED JOINT) AT 14'-0" O/C MAX.		MAY BE USED TO CONNECT PARTITIONS AND BEARING WALLS TO SLAP
205.	SILL ANCHORAGE AT ALL SHEARWALL LOCATIONS SHALL BE PER THE SHEARWALL SCHEDULE. ALL SHEARWALL ANCHOR BOLTS SHALL RECEIVE A 3" SQUARE X 0.229" THICK WASHER. THE WASHER MAY BE DIAGONALLY SLOTTED (WIDTH >= BOLT DIAMETER + $\frac{3}{16}$ ", LENGTH<=1 $\frac{3}{4}$ ") PROVIDED THAT A STANDARD CUT WASHER IS USED ON TOP OF THE SQUARE WASHER. SHEARWALL ANCHORS SHALL BE PLACED A MIN. OF 1 $\frac{3}{4}$ " FROM THE EDGE OF CONCRETE.		ALL WOOD SILL PLATES AND ALL WOOD MEMBERS DIRECTLY AGAINS MASONRY SHALL BE FOUNDATION GRADE REDWOOD SILLS OR PTDF S SODIUM BORATE (SBX/DOT) WHEN INSTALLED IN A DRY OR ENCLOSED (SODIUM BORATE TREATMENT DOES NOT REQUIRE CORROSION RESIS IF OTHER TREATMENTS ARE USED, SEE NOTE 309.
206.	EMBEDDED SILL ANCHOR BOLTS AT TYPICAL NON-SHEARWALL CONDITIONS SHALL BE $\frac{5}{8}$ " DIA. MIN. ANCHOR BOLTS WITH A STANDARD CUT WASHER. SPACING SHALL NOT 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 LU ACQ-C, ACQ-D, CA-B, AND CBA-A WITHOUT AMMONIA SHALL BE GALVA ASTM A153. ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LU
207.	ANCHOR BOLTS SHALL BE EMBEDDED A MIN. OF 7 INCHES INTO CONCRETE. IN A TWO-POUR SYSTEM, ANCHOR BOLTS TO BE EMBEDDED 5 INCHES MIN. INTO FIRST POUR.		ACQ-C, ACQ-D, CA-B, AND CBA-A WITH AMMONIA SHALL BE TYPE 303, 3 OR 316 STAINLESS STEEL.
208.	SEE WOOD FRAMING CONSTRUCTION NOTES FOR ALTERNATE SILL ANCHORAGE.		WHERE PRESSURE TREATED LUMBER IS INSTALLED IN AN EXTERIOR WALL NAILS AND FASTENERS IN CONTACT WITH THE PRESSURE TREATE
209.	ALL HOLDOWNS SHALL BE PLACED A MINIMUM DIM AS SHOWN IN DETAIL 3&4 ON FND DETAIL SHEET FROM EXTERIOR CORNER OF SLAB.		TYPE 303, 304, 305, OR 316 STAINLESS STEEL.
210.	VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SUBCONTRACTOR TO VERIFY		RE-TIGHTEN ALL HOLDOWN ANCHORS JUST PRIOR TO COVERING THE
	ALL DIMENSIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY HOMEOWNER AND TOWN OF PARADISE OF ANY DISCREPANCY, TYPICAL.	310.	ENGINEERED BEAMS ARE AS FOLLOWS: "PSL" REFERS TO PARALLEL STRAND LUMBER (E=2.0, FB=2900). "LSL" REFERS TO LAMINATED STRAND LUMBER (E=1.55, FB=2325).
211.	PROVIDE A UFER GROUND FOR ELECTRICAL SYSTEM PER ARTICLE 250.52 N.E.C.		(E=1.3 & FB=1700 AT LSL CONDITIONS WITH D (DEPTH) < 9") "LVL" REFERS TO LAMINATED VENEER LUMBER (E=2.0, FB=2800). "GLB" REFERS TO 24F-1.8E GLU-LAM WITH STANDARD CAMBER, U.N.O.
212.	ALL SURROUNDING FLAT WORK SHALL BE VERIFIED WITH HOMEOWNER FOR LOCATION AND AMOUNT TO BE POURED.		"IJC" ENGINEERED GLU-LAM BEAM MAY BE USED UPON ENGINEER APP AN A.I.T.C CERTIFICATE OF COMPLIANCE ISSUED BY A CURRENT ICC APPROVED QUALITY CONTROL AGENCY FOR GLUED LAMINATED WOO
213.	RETROFIT MISPLACED HOLDOWNS AS NOTED BELOW. AT EPOXY ANCHORS USE SIMPSON SET-XP EPOXY PER MANUFACTURERS INSTALLATION REQUIREMENTS AS FOLLOWS:MISPLACED HOLDOWN LSTHD8, HTT4RETROFIT BOLTREPLACEMENT HARDWARE5" ALL-THREAD, EMBED 9"HTT45" ALL-THREAD, EMBED 9"HTT5LTT20B b" ALL-THREAD, EMBED 7" 5" ALL-THREAD, EMBED 7" ATTACH TO EXISTING A.B.LTT20B HDU87" ALL-THREAD, EMBED 15"	311.	APPROVED QUALITY CONTROL AGENCY FOR GLOED LAMINATED WOOD SHALL BE GIVEN TO THE BUILDING INSPECTOR PRIOR TO INSTALLATIO LUMBER SPECIFICATIONS: ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH. STUDS, PLATE 2X4 FRAMING LUMBER NOT LISTED BELOW 92-1/4", 104-1/4", & 116-1/4" 2X4 STUDS 2X4 STUDS OVER 10' 2X4 SILLS & PLATES 2X6 STUDS, SILLS, & PLATES 326 STUDS, SILLS, & PLATES 327 STANDARD OR BETTER 328 STUDS, SILLS, & PLATES 328 STUDS, SILLS, & PLATES 328 STUDS, SILLS, & PLATES 328 STUDS, SILLS, & PLATES 329 STUDS, SILLS, & PLATES 320 ST
214.	RETROFIT $\frac{3}{4}$ " & $\frac{5}{8}$ " EMBEDDED ANCHOR BOLTS AS NOTED BELOW. AT EPOXY         ANCHORS USE SIMPSON SET-XP EPOXY PER SIMPSON'S INSTALLATION REQUIREMENTS.         LOCATION       TYPE         SLAB EDGE, 1 3/4" DIST.       TYPE         SHEARWALL $\frac{5}{8}$ " ALL-THREAD, EPOXY, EMBED 3"         OR $\frac{5}{8}$ " TITEN HD, EMBED 3" MIN.		4X4 STUDS & POSTSSTANDARD OR BETTER4X6, 6X6, & LARGER STUDS & POSTS#1 OR BETTER4X4, 4X6, 4X8, 4X10 BEAMS & HEADERS#2 OR BETTER4X12, 4X14 BEAMS & HEADERS#1 OR BETTER6X4 BEAMS & HEADERS#2 OR BETTER6X6 & LARGER BEAM & HEADERS#2 OR BETTER2X6 AND LARGER RAFTERS AND JOISTS#2 OR BETTER
	INTERIOR > 6," EDGE DIST. SHEARWALL OR NON-SHEAR $\frac{5}{8}$ " TITEN HD, EMBED 3" MIN.	312.1	HOLES, CUTOUTS, AND NOTCHES IN FRAMING MEMBERS:
	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.		BY VIRTUE OF CODE COMPLIANCE WITH ELECTRICAL AND PLUMBING C AND NOTCHES WILL INEVITABLY BE MADE IN FRAMING MEMBERS. THE RECOGNIZES AND APPROVES VARIOUS HOLES AND NOTCHES WITHOUT JUSTIFICATION IN CBC SECTION 2308.8.2. ENGINEERED (PSL, LSL) RECT LUMBER BEAMS BEHAVE LIKE ANY OTHER RECTANGULAR SHAPE WHEN
215.	<ul> <li>WHEN REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, HAVE CONTRACTOR DOCUMENTATION IN WRITING FOR THE FOLLOWING:</li> <li>A) THE PAD WAS PREPARED IN ACCORDANCE WITH THE SITE REQUIREMENTS AND TOWN OF PARADISE APPROVAL.</li> <li>B) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED &amp; COMPACTED.</li> <li>C) THE FOUNDATION EXCAVATIONS, EXPANSIVE CHARACTERISTICS AND BEARING CAPACITY COMPLIES WITH THE TOWN OF PARADISE RECOMMENDATIONS .</li> </ul>		BORED, SO THE ENGINEER OR ARCHITECT MAY SPECIFY LIMITS WITHOU APPROVAL OTHER HOLES AND NOTCHES ARE ALLOWED AS NOTED BEL PSL AND LVL BEAMS: A HOLE 1 INCH IN DIAMETER CAN BE DRILLED ANY AND A 2 INCH DIA. HOLE CAN BE DRILLED IN THE MIDDLE THIRD OF THE THE MIDDLE THIRD OF THE DEPTH OF THE BEAM FOR ANY PSL OR LVL E EXCEPT CANTILEVERED BEAMS AND BEAMS SUPPORTING CONCENTRA
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 T PSL AND LVL BEAMS: A RAKE CUT (TAPER) AT THE TOP OF THE BEAM A
	WOOD FRAMING CONSTRUCTION		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) TH
	ROOFING MATERIALS SHALL BE PER ARCHITECTURAL DRAWINGS.		RESULTS IN A DEPTH AT THE INSIDE FACE OF THE SUPPORT OF 2/3RDS BEAM DEPTH IS ALLOWED AT CONDITIONS NOT SPECIFIED. OTHER TAP
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/ 8D COMMON NAILS @ 6" O/C @ ALL PERIMETER EDGES AND ALL INTERIOR SUPPORTED EDGES AND @ 12" O/C @ ALL INTERMEDIATE SUPPORTS PER AWC NDS. SEE DETAILS FOR SHEAR AND DRAG NAILING.		ENDS AND SQUARE NOTCHES IN TOP OR BOTTOM FACE REQUIRE APPR WRITING FROM THE ENGINEER OR ARCHITECT. SEE STRUCTURAL DETAILS 14 & 15 ON DETAIL SHEETS NOTCHING AND BORING.
302.	TYPICAL WALL SHEATHING: INTERIOR SURFACES: WHERE DRYWALL IS SPECIFIED, PROVIDE MIN. <sup>5</sup> / <sub>8</sub> " GYPSUM WALLBOARD W/ 5D COOLER NAILS OR EQUAL @ 7" O/C TO ALL STUDS AND TO TOP & BOTTOM PLATES (UNBLOCKED) AT INTERIOR SIDE OF EXTERIOR WALLS AND AT BOTH		PROVIDE 2X4 TRIMMER & 2X4 KING STUD EACH END OF EACH 4X DROPP OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 4X10 OR LARGER. F TRIMMERS AT EACH 3-1/2 X 7-1/2 PSL OR LSL OR LARGER.
	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.		PROVIDE 2X6 TRIMMER & 2X6 KING STUD EACH END OF EACH 6X DROPP OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 6X8 OR LARGER. PF TRIMMERS AT EACH 5-1/4 X 7-1/2 PSL OR LSL OR LARGER.
	LATH ATTACHED TO ALL STUDS AND TOP AND BOTTOM PLATES (OR BLOCKING AS		PROVIDE DOUBLE KING STUDS AT ALL OPENINGS 8'-1" WIDE AND WIDEF
303.	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. STRUCTURAL SHEATHING MAY BE EITHER OSB OR PLYWOOD. ANY NOTES REFERRING TO		PROVIDE MINIMUM 2-1/4" BEARING @ EACH END OF EACH FLUSH BEAM ( WHERE BEARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3" OF BE PROVIDE (2) 2X STUDS @ 6X OR LSL OR PSL BEAMS.
	PLYWOOD ALSO APPLIES TO OSB.		ROOF RAFTERS SHALL BE 2X RAFTERS AS NOTED ON STRUCTURAL DRA
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		EAVES SHALL BE PER ARCHITECTURAL PLANS W/ APPLIED TAILS PER A PLANS. OVERHANG DETAILS ARE NOT SHOWN ON STRUCTURAL PLANS.
	NOTCHES, CUT-OUTS AND COMPLETE PLATE BREAKS AT HEATING, VENTING, AND PLUMBING.		SEE THE ARCHITECTURAL ROOF PLANS FOR ROOF PITCH AND ADDITIO

320. COMBINE AND GROUP PLUMBING VENTS WHENEVER POSSIBLE TO MIN PENETRATIONS.

I (CONT.)	3. WOOD FRAMING CONSTRUCTION (CONT.)	6. NAILING SCHEDULE, MINIMUMS (CBC CHAPTER 23, TABLE 2304.10.2)
PSON H1 @ 24" O/C	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 CATALOG VALUES. ANY OTHER ICC APPROVED METAL CONNECTOR MAY BE USED UPON APPROVAL BY THE ENGINEER OR ARCHITECT.	BLKNG AT CEILING JOISTS, RAFTERS, OR TRUSSES TO TOP PLATE OR OTHER FRAMING, T.N.       4-8d Box, 3-8d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples         BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL TOP PLATE TO RAFTER OR TRUSS, T.N.       2-8d Com, 2-3" x 0.131" nails, 2-3" 14 gage staples         BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL TOP PLATE TO RAFTER OR TRUSS, E.N.       2-16d Com, 3-3" x 0.131" nails, 3-3" 14 gage staples         FLAT BLKNG TO TRUSS AND WEB, F.N.       16d Com, 3"x.131" nails, 3"x14 gage staples @ 6" o.c         CEILING JOISTS TO TOP PLATE, T.N.       4-8d box, 3-8d Com, 3-10d box, 3-3" x.131 nails, 3-3" 14 gage staples
DF SILL PLATES. 208 FOR ANCHOR NCHORS @ 32" O/C SLAB.	322. ICC APPROVED CONNECTORS SHALL BE USED WHERE CONNECTORS ARE SPECIFIED. UNLESS OTHERWISE NOTED, THE FOLLOWING BEAM AND JOIST HANGERS SHALL BE USED: BEAM OR JOIST SIMPSON/USP HANGER	CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS, F.N. PER 2308.7.3.1 CEILING JOISTS ATTACHED TO PARALLEL RAFTER (HEEL JOINT), F.N. PER 2308.7.3.1 COLLAR TIE TO RAFTER, F.N. RAFTER/TRUSS TO TOP PLATE, T.N. PER TABLE 2308.7.3.5 RAFTER/TRUSS TO TOP PLATE, T.N. PER TABLE 2308.7.3.5 DAFTERS TO DIDCE VALLEY OF LUD: OF FATER TO 3" DIDCE REAM
AINST CONCRETE OR IDF SILLS, TREATED WITH OSED ENVIRONMENT. RESISTANT CONNECTORS.)	RAFTERSLU, LUS, LUC, OR HU1.75 X LSL AND LVLHU, HUS, OR WPU2.69 X PSL AND LVLHU OR HWU3.5 X PSL AND LVLHHUS OR HWU5.25 X PSL AND LVLHHUS OR HWU7 X PSL AND LVLHHUS OR HWU	RAFTERS TO RIDGE VALLEY OR HIP; OR FATER TO 2" RIDGE BEAM TOENAIL ENDNAIL STUD TO STUD (NOT AT BRACED WALL PANELS) STUD TO STUD AT INTERSECTING WALL CORNERS (BRACED WALL) BUILT-UP HEADER (2" TO 2"), FN EA. EDGE A-16d box, 3-10d Com, 3-16d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples 2-16d Com, 3-16d box, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box @ 12" o.c. FN 16d Com @ 16" o.c. FN OR 16d Box @ 12" o.c. FN 16d
ED LUMBER TREATED WITH	AT BEAM HANGER CALLOUTS, IE HGUS OR HU BEAMS, THE CALLOUT IS ABBREVIATED. THE HANGER WIDTH MAY BE OMITTED TO ALLOW FLEXIBILITY IN ORDERING. EXAMPLE: 2.69 PSL THE CALLOUT MAY READ HGUS12. AN HGUS2.75/12 OR HGUS412 (WITH FILLERS)	CONT. HEADER TO STUD, T.N. TOP PLATE TO TOP PLATE TOP PLATE TO TOP PLATE, AT END JOINTS (EACH SIDE OF END JOINT), FACENAIL 4-8d Com, 4-10d Box, 5-8d box 16d Com @ 16" o.c. FN OR 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12 o.c. FN 16d Com @ 16" o.c. FN OR 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12 o.c. FN
ED LUMBER TREATED WITH 303, 304, 305,	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 DANIEL OUT AN OOD OD OOD OLD ALL DE DLOOKED	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 BRACED WALL: 16" o.c. FN 2-16d Com, 12-16d Box, 12-3" x 0.131" nails, 12-3" 14 gage staples 2-16d Com, 3-16d Box, 4-3" x 0.131" nails, 4-3" 14 gage staples
OR WET ENVIRONMENT, EATED LUMBER SHALL BE	WOOD PANEL SHEAR (PLYWOOD OR OSB) SHALL BE BLOCKED. <sup>324.</sup> THE FOLLOWING HOLES IN SHEARWALLS ARE ALLOWED: A) APPROXIMATELY SQUARE HOLES NOTCHED, PUNCHED, OR CUT THAT ARE LESS THAN 25 SQ. INCHES	STUD TO TOP OR BOTTOM PLATE TOENAIL ENDNAIL TOP PLATES, LAPS AT CORNERS AND INTERSECTION, F.N. STUD TO TOP OR BOTTOM PLATE 4-8d Box, 4x10d Box, 4-8d Com, 3-16d Box, 4-3"x0.131" nails, 4-3" 14 gage staples 3-16d Box, 2-16d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples 2-16d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples
THE WALL FRAMING.	<ul> <li>B) APPROXIMATELY SQUARE HOLES CLEAN CUT OR BORED IN SHEARWALLS THAT ARE LESS THAN 64 SQ. INCHES (ONE HOLE PER 4' OF SHEARWALL.)</li> <li>C) APPROXIMATELY SQUARE HOLES, LESS THAN 64 SQ. INCHES (ONE HOLE PER 8' OF SHEARWALL) WITH ALL EDGES BLOCKED &amp; EDGE NAILED.</li> <li>D) HOLES INDIVIDUALLY APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD.</li> </ul>	1" BRACE TO EACH STUD AND PLATE, F.N.1" BRACE TO EACH STUD AND PLATE, F.N.1"x6" SHEATHING TO EACH BEARING, F.N.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, SILL OR OTHER8d Box @ 4" o.c. TN OR 8d Com, 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 6" o.c. TN
	<ul> <li>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</li> <li>326. ALL FINISHES, WATERPROOFING, DRAINAGE, AND FIRE-RELATED ELEMENTS ARE BY THE</li> </ul>	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 & EACH BEARING BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS
APPROVALS. CC NOOD MEMBERS .ATION.	ARCHITECT OF RECORD AND ARE REQUIRED EVEN THOUGH THEY MAY NOT BE SHOWN ON THE STRUCTURAL PLANS AND DETAILS. 4. ICC-ES AND NER APPROVALS 400. PLYWOOD AND OSB PANELS: FULL REPORTS FOUND AT:	32" o.c. FN Top & BTTM STAGGERED ON OPPOSITE SIDES 24" o.c. FN Top & BTTM ENDS & SPLICES, FN LEDGER SUPPORTING JOISTS/RAFTERS 2-20d Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples 4-16d Box, 3-16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES
LATES & BLOCKING: E OR BETTER BETTER	APA PLYWOOD & OSBESR-2586 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	JOIST TO BAND OR RIM JOIST, END NAIL       3-16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES         BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS EACH END, T.N.       2-8d Com, 2-10d box, 2-3" x 0.131" nails, 2-3" 14 gage staples         WOOD STRUCT. PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHTNG TO FRMG AND       EDGES       INTERMEDIATE         PARTICLEBOARD WALL SHEATHING TO FRAMING       (IN)       SUPPORTS (IN)         16d Com or deformed; or $2\frac{3}{8}$ "x.113" nail (subfloor afld wall)       6       12
ITER ITER OR #1	LOUISIANA PACIFIC JOISTS & BEAMSESR-1305, 2403 ROSEBURG JOISTS & BEAMSESR-1210, 1251 GLU-LAM BEAMS ESR-1940 PACIFIC WOOD TECH - ESR 2909	$\frac{3}{8}^{-1} = \begin{bmatrix} 8d \text{ Com or deformed (roof) or } 2\frac{3}{8}^{+} \text{ x.113" nail (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (subfloor and wall)} \\ 2\frac{3}{8}^{+} \text{ x.113" x.266" head nail (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 1\frac{3}{4}^{+} 16 \text{ Ga Staple}, \frac{7}{16}^{+} \text{ crown (roof)} \\ 100000000000000000000000000000000000$
	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, 2611, 2613, 2614, 2615, 2616, 2877, 2920, 3046	$\frac{19}{32} - \frac{3}{4}$ $\frac{8}{32} - \frac{3}{4}$ $\frac{8}{32} - \frac{3}{4}$ $\frac{8}{32} - \frac{3}{4}$ $\frac{8}{3} - \frac{14}{4}$ $\frac{19}{32} - \frac{3}{4}$ $\frac{8}{3} - \frac{14}{4}$ $\frac{8}{3}$ $\frac{8}{3} - \frac{14}{4}$ $\frac{8}{3}$ $\frac{8}{3} - \frac{14}{3}$ $\frac{10}{3} - \frac{14}{3}$ $10$
NG CODES, HOLES THE CODE HOUT ENGINEERING	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	$\frac{1}{2}$ $\frac{1}$
RECTANGULAR WHEN NOTCHED OR THOUT MANUFACTURER 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 SIMPSON TITEN HDICC-ESR-1056, 2713 SIMPSON SHOT PINS ICC-ES ESR-2138	$\frac{25\pi^{3}}{32}$ $\frac{14}{2} \times 0.120$ , gaivanized rooling half ( $\frac{16}{16}$ head dia) of $\frac{12}{2}$ to Ga Staple w/ $\frac{16}{16}$ of 1 crown 3 6 wind speed is less than 140 mph. For wood structural panel roof 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 greater than 130 mph in Exposure B or greater than 110 mph in Exposure C. Spacing exceeding 6 inches on center at intermediate
D ANYWHERE, THE SPAN IN LVL BEAM, ITRATED LOADS.	HILTI X-DN, X-ZF, X-CF SHOT PINSICC-ES ER-1663, 1752, 2269 <b>5.</b> NAILING & FASTENING         500. 16D NAILS AS SHOWN ON THE DETAILS MAY BE COMMON, BOX, OR SINKER NAILS (0.135" MIN. DIA)	$\frac{1\frac{1}{8}"-1\frac{1}{4}"}{10d \text{ COMMON } (3"x0.148"); \text{ or deformed } (2\frac{1}{2}"x0.131"); \text{ or deformed } (2\frac{1}{2}"x0.120")}{18"-1\frac{1}{4}"} 6 12$ $\frac{1}{8}"-1\frac{1}{4}"}{10d \text{ COMMON } (3"x0.148"); \text{ or deformed } (2\frac{1}{2}"x0.131"); \text{ or deformed } (2\frac{1}{2}"x0.120")}{12} 6 12$ $\frac{1}{8}"-1\frac{1}{4}"}{10d \text{ COMMON } (3"x0.148"); \text{ or deformed } (2\frac{1}{2}"x0.131"); \text{ or deformed } (2\frac{1}{2}"x0.120")}{12} 6 12$ $\frac{1}{2}" \& \text{ LESS } 6d \text{ corrosion-resistant siding } (1\frac{7}{8}"x.106"); \text{ or 6d corrosion-resistant } (2"x.099")}{12} 6 12$ $\frac{1}{2}" \& \text{ LESS } 6d \text{ corrosion-resistant siding } (1\frac{7}{8}"x.106"); \text{ or 6d corrosion-resistant } (2"x.099")}{12} 6 12$
OM THE ENGINEER.	<ul> <li>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.</li> <li>502. ALTERNATE NAILING FOR ROOF SHEATHING:</li> </ul>	$\frac{5}{8}$ 8d corrosion-resistant siding ( $2\frac{3}{8}$ "x0.128"); or 8d corrosion-resistant casing ( $2\frac{1}{2}$ "x0.113")       6       12         INTERIOR PANELING       4d casing ( $1\frac{1}{2}$ "x0.080"); or 4d finish ( $1\frac{1}{2}$ "x0.072")       6       12 $\frac{1}{4}$ 4d casing ( $2^{1}x0.080$ "); or 6d finish ( $2^{1}x0.072$ ")       6       12 $\frac{3}{8}$ "       6d casing ( $2^{1}x0.099$ "); or 6d finish ( $2^{1}x0.092$ ") - (Panel supports at 24 inches)       6       12
R) THAT BRDS THE R TAPERED APPROVAL IN	<ul> <li>8D 2<sup>1</sup>/<sub>2</sub>" X 0.135 WIRE BARBED NAILS BY CUTLER OR EQUAL.</li> <li>503. ALTERNATE NAILING FOR FLOOR SHEATHING: #8 X 2" SELF SETTING WOOD SCREWS, OR 8D 2<sup>1</sup>/<sub>2</sub>" X 0.135 OR 0.148 SCREW SHANK FLOOR NAILS BY CUTLER OR EQUAL</li> </ul>	*       *       *         7. DESIGN CRITERIA       8. STATEMENT OF SPECIAL INSPECTIONS         700. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE AND 2022 CALIFORNIA RESIDENTIAL CODE.       800. RETROFIT ANCHOR BOLTS FOR MISPLACED HOLDOWNS WITH ALL-THREAD ROD AND SIMPSON SET-XP EPOXY REQUIRE
	504. SHEAR PANELS WHERE 8D COMMON NAILS ARE SPECIFIED: 10D 2 <sup>1</sup> / <sub>2</sub> " X 0.148" WIRE BARBED NAILS BY CUTLER OR EQUAL NAIL SIZES	701. SEISMIC DESIGN CRITERIA:       501 BEARING VALUE       1,500 psf       SPECIAL INSPECTION. (NO SPECIAL INSPECTION IS REQUIRED FOR RETROFIT ANCHOR BOLTS OR TITEN HD's WITHOUT A HOLDOWN ATTACHED.)         SITE CLASS       D (Default)       D (Default)
OPPED BEAM ER. PROVIDE DOUBLE	SIZE OF STANDARD WIRE SIZE PENETRATION NAIL LENGTH GAUGE (INCHES) REQUIRED	SEISMIC DESIGN CATEGORY       D       801. PER CBC 1705.3 SPECIAL INSPECTION IS NOT REQUIRED FOR         RISK CATEGORY       II       NON-STRUCTURAL SLABS ON GRADE NOR FOR CONCRETE         SEISMIC IMPORTANCE FACTOR       1       FOOTINGS THAT SUPPORT 3 STORIES ABOVE GRADE OR LESS.         Ss       0.693       0.290         S1       0.290       802 PER CBC 1705.11 SPECIAL INSPECTION IS NOT REQUIRED FOR
OPPED BEAM R. PROVIDE DOUBLE /IDER OR PER PLAN.	6D       2"       12       0.099       1 "         8D       2       "       11       0.113       1 "         10D       3"       10       0.128       1 "         12D       3"       10       0.128       1 "	BASIC SEISMIC FORCE RESISTING SYSTEM:BEARING WALL ANALYSIS METHOD: EQUIVALENT LATERAL FORCE PROCEDURE SEE STRUCTURAL CALCULATIONS FOR SD1, SDS, DESIGN BASE SHEAR, Cs, & R FACTORS.
AM OR HEADER DF BEARING POINT.	16D       3       "       10       0.135       1       "         16D       SINKER       3"       9       0.148       1       "         COMMON NAILS	702. WIND DESIGN CRITERIA :       123 mph         WIND SPEED (V-ult)       123 mph         RISK CATEGORY       II         EXPOSURE       C
DRAWINGS PER ARCHITECTURAL ANS.	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	703. DESIGN LOADING:       A SOILS REPORT MAY BE REQUIRED BY THE BUILDING OFFICIAL.         Coop ROOF DL       27 psf         Barn/Ranch/Craftsman ROOF DL 28 psf       ROOF LL       20 psf         PORCH DL       35 psf       PORCH LL       20 psf         TRELLIS DL       7 psf       TRELLIS LL       10 psf
DITIONAL INFORMATION. MINIMIZE ROOF		704. GROUND SNOW LOAD:     30 psf       ROOF SNOW LOAD:     30 psf

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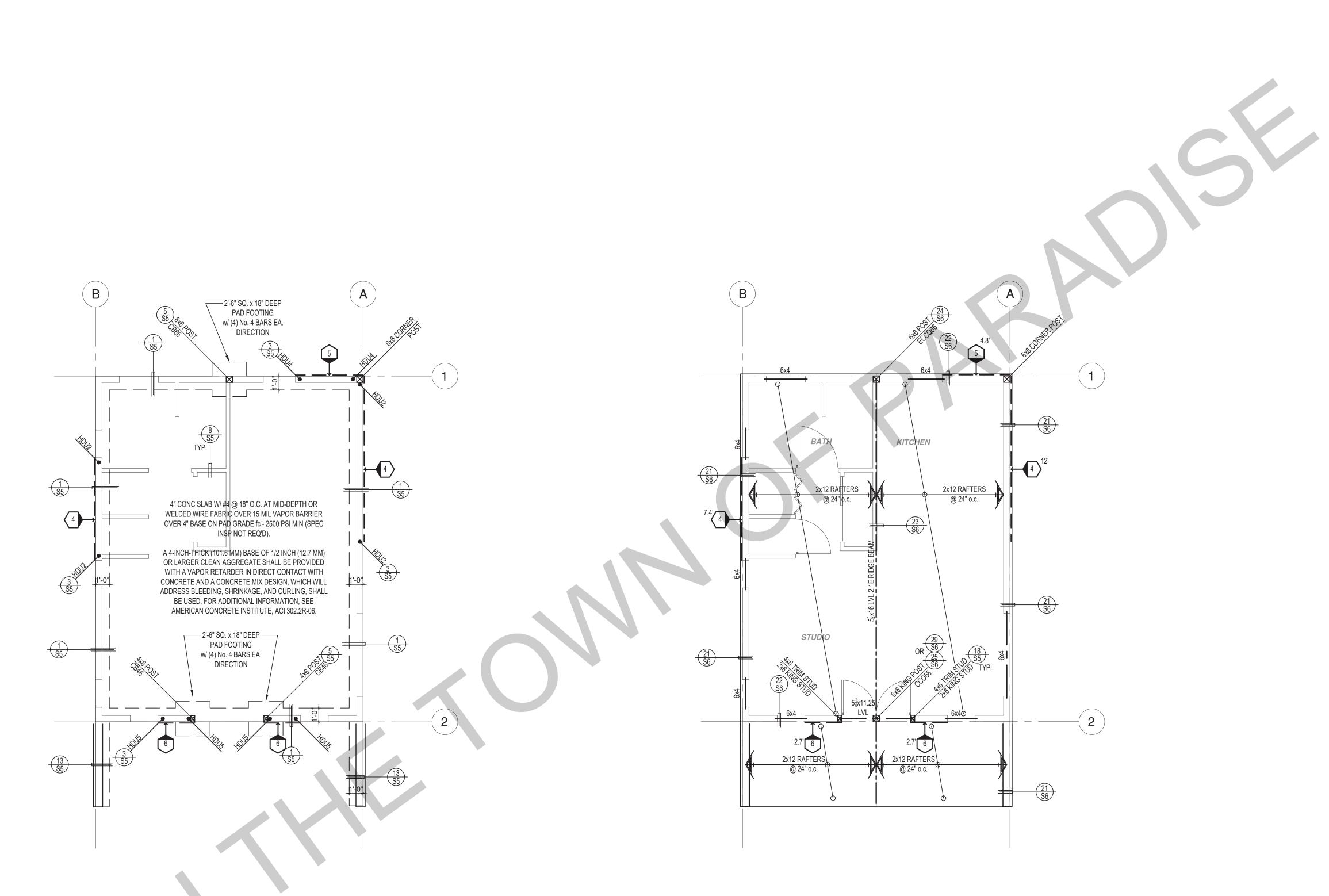
project

Town of Paradise Pre-Approved ADU Program

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

description Structural Notes & Specifications

date ## Month 20## project no. 20##\_xxxxx drawn by xxx/xxx sheet no. S1



# FOUNDATION PLAN

1/4"=1'-0"

# FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHORBOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- 4. PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH
- ANCHOR BOLT. 5. PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 6. SEE SHT S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- . POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2)
- 16d T.N. EA SIDE, TYP. 8. 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 footnote 3 )	$\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ $4\frac{1}{2}$ " o/c edge, 12" o/c field, blocked (See footnote 3)	<sup>3</sup> / <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	<sup>3</sup> / <sub>8</sub> " rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	$^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, & 5)	$^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) side o/c edge, 12" o/c field 3x abutting patholocked (See footnote 3, 4, & 5)
SHEAR VALUE (PLF)	260*	350*	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" @ 24"	5∕8" @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	6"	4½"	3½"	3"	¼"x4½" SDS screws @ 8"	½"x4½" SDS screws @ 8"
SPACING OF A35/LTP4 FRAMING TO TOP PLATE	32" O.C.	18" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.

ROOF FRAMING PLAN

1/4"=1'-0"

# 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 1/2" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/6" MIN. FROM THE EDGE OF SHEATHING.

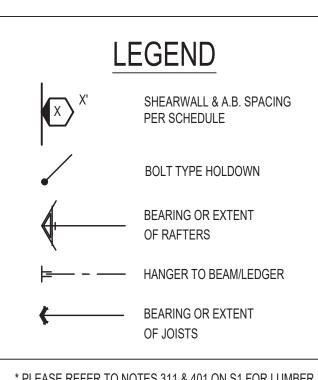
(4) WHERE ALLOWABLE SHEAR VALUES EXCEED 350 PLF (SHEARWALL TYPES 6, 7, 8, & 9) ALL FRAMING RECEIVING NAILING FROM ABUTTING PANEL EDGES SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR (2) 2X MEMBERS NAILED WITH 10D, SPACING EQUAL TO THE E.N. SPACING. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.

(5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING. (\*) ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

BARN



# BARN



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

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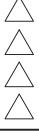
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project

# Town of Paradise Pre-Approved ADU Program

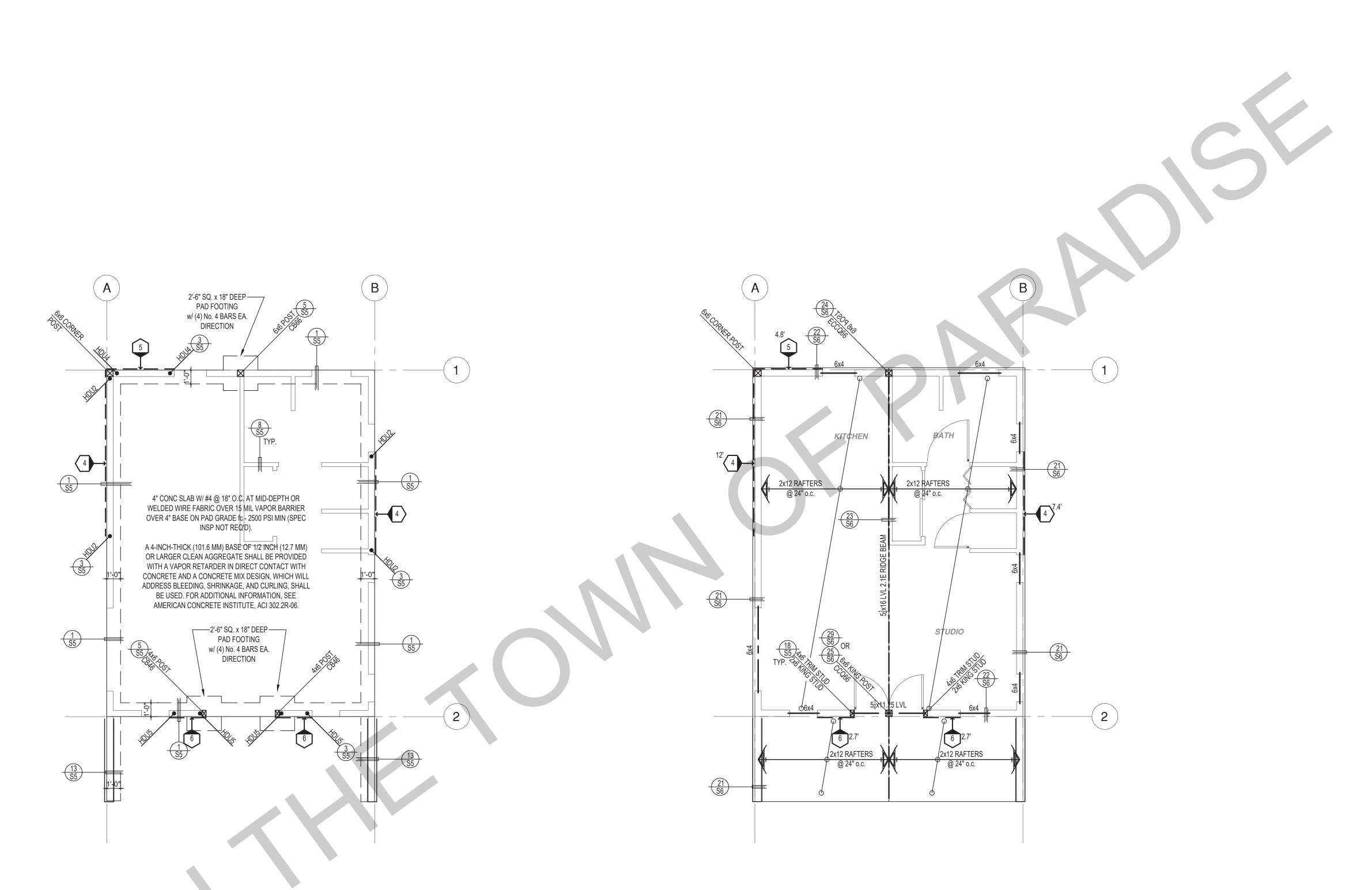
revisions  $\square$ 



description

# Foundation & Framing Plan Barn

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	52



# FOUNDATION PLAN 1/4"=1'-0"

FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED
- IN PLACE PRIOR TO FDTN. INSP. ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHORBOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- 4. PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH
- ANCHOR BOLT. 5. PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 6. SEE SHT S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- 7. POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2)
- 16d T.N. EA SIDE, TYP. 8. FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

	4
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 footnote 3 )
SHEAR VALUE (PLF)	260*
ANCHOR BOLT SPACING	<sup>5</sup> ⁄ <sub>8</sub> " @ 48" or 1∕2" @ 32"
16d (0.148") SILL NAILING	6"
SPACING OF A35/LTP4 FRAMING TO TOP PLATE	32" O.C.

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

N	
BARN - REVERSE	

# ROOF FRAMING PLAN

1/4"=1'-0"

### SHEAR WALL SCHEDULE (ASD VALUES) 9 7 8 5 6 $\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4) <sup>15</sup>/<sub>32</sub>" rated STRUCT 1 panel, (1) side w/ 10d @ 2" 6" $\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3/8" rated STRUCT 1 panel, (1) side w/ 8d @ 3" <sup>15</sup>/<sub>32</sub>" rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4) o/c edge, 12" o/c field 3x abutting panel studs o/c edge, 12" o/c field 3x abutting panel studs $4\frac{1}{2}$ " o/c edge, 12" o/c field, blocked blocked (See footnote 3, 4, & 5) blocked (See footnote 3, 4, & 5) (See footnote 3) 550\* 665\* 870\* 350\* 490\* 5⁄8" @ 32" 5⁄8" @ 24" <sup>5</sup>∕8" @ 24" 5⁄8" @ 12" 5∕8"@16" or or or 1⁄2" @ 24" ½" @ 16" 1⁄2" @ 8" 1⁄2" @ 16" 1⁄2" @ 24" 1⁄4"x41⁄2" 1∕4"x41∕2" 31/2" 41⁄2" 3" SDS screws @ 8" SDS screws @ 8" 18" O.C. 12" O.C. 12" O.C. 8" O.C. 8" O.C.

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.

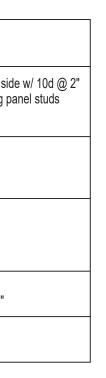
(2) SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209. 307, 308, 309, ETC.)

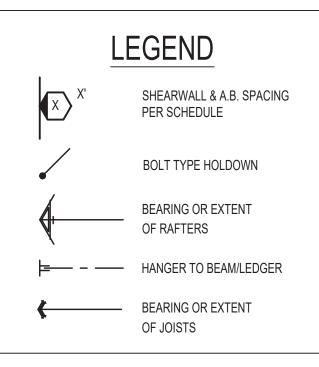
(3) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE  $\frac{1}{2}$ " OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE  $\frac{3}{8}$ " MIN. FROM THE EDGE OF SHEATHING.

(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. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.

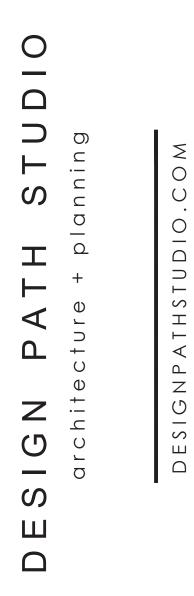
(5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING.







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



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project

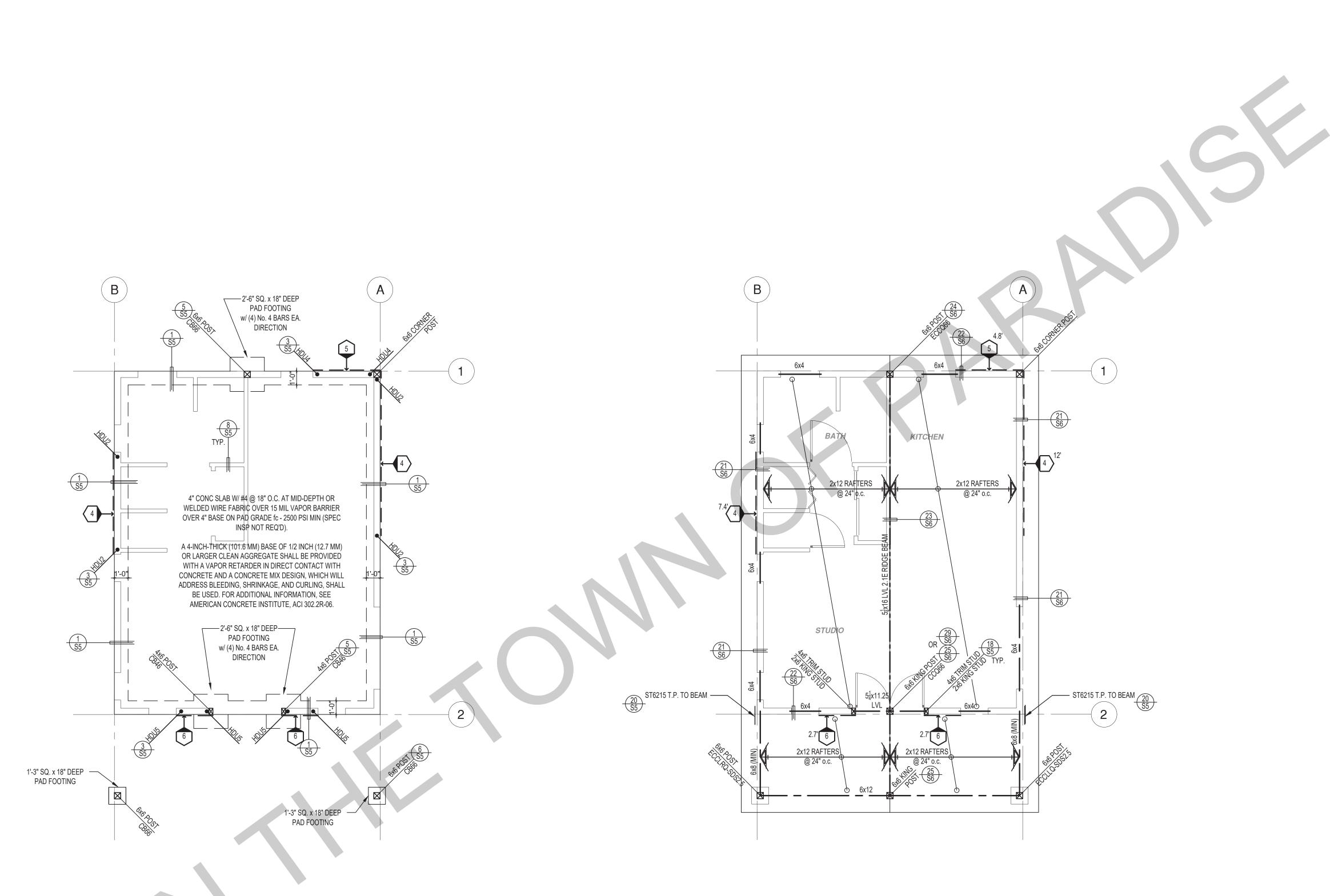
Town of Paradise Pre-Approved ADU Program

revisions  $\square$ 

description

# Foundation & Framing Plan Barn

date	## Month 20##
project no.	20## xxxxxx
project no.	2011 11 _ XXXXXX
drawn by	xxx/xxx
sheet no.	
3	DZR



# FOUNDATION PL 1/4"=1'-0"

# FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHORBOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- 4. PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH
- ANCHOR BOLT. 5. PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 6. SEE SHT S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- . POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2)
- 16d T.N. EA SIDE, TYP. 8. 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 footnote 3 )	$\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ $\frac{41}{2}$ " o/c edge, 12" o/c field, blocked (See footnote 3)	<sup>3</sup> / <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	<sup>3</sup> / <sub>8</sub> " rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	$^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, & 5)	$^{15}$ <sub>32</sub> " rated STRUCT 1 panel, (1) side o/c edge, 12" o/c field 3x abutting patholocked (See footnote 3, 4, & 5)
SHEAR VALUE (PLF)	260*	350*	490*	550*	665*	870*
ANCHOR BOLT SPACING	5%" @ 48" or ½" @ 32"	5⁄8" @ 32" or ½" @ 24"	5%" @ 24" or ½" @ 16"	5⁄8" @ 24" or 1∕2" @ 16"	5⁄8" @ 16" or 1∕2" @ 24"	5∕8" @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	6"	41/2"	3½"	3"	¼"x4½" SDS screws @ 8"	½"x4½" SDS screws @ 8"
SPACING OF A35/LTP4 FRAMING TO TOP PLATE	32" O.C.	18" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.

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

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# ROOF FRAMING PLAN

1/4"=1'-0"

# CRAFTSMAN 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.)

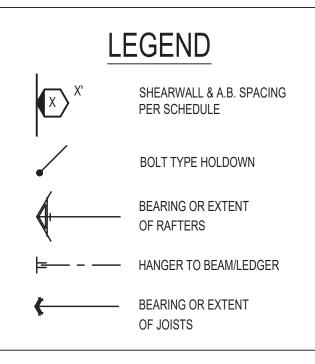
(3) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE 1/2" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/6" MIN. FROM THE EDGE OF SHEATHING.

(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. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.

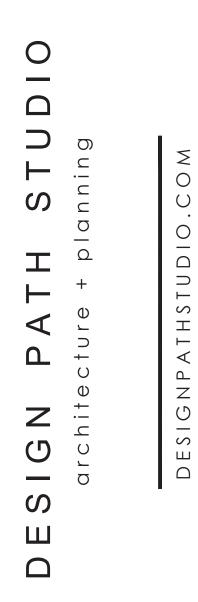
(5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING.







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



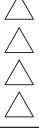
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# project

Town of Paradise Pre-Approved ADU Program

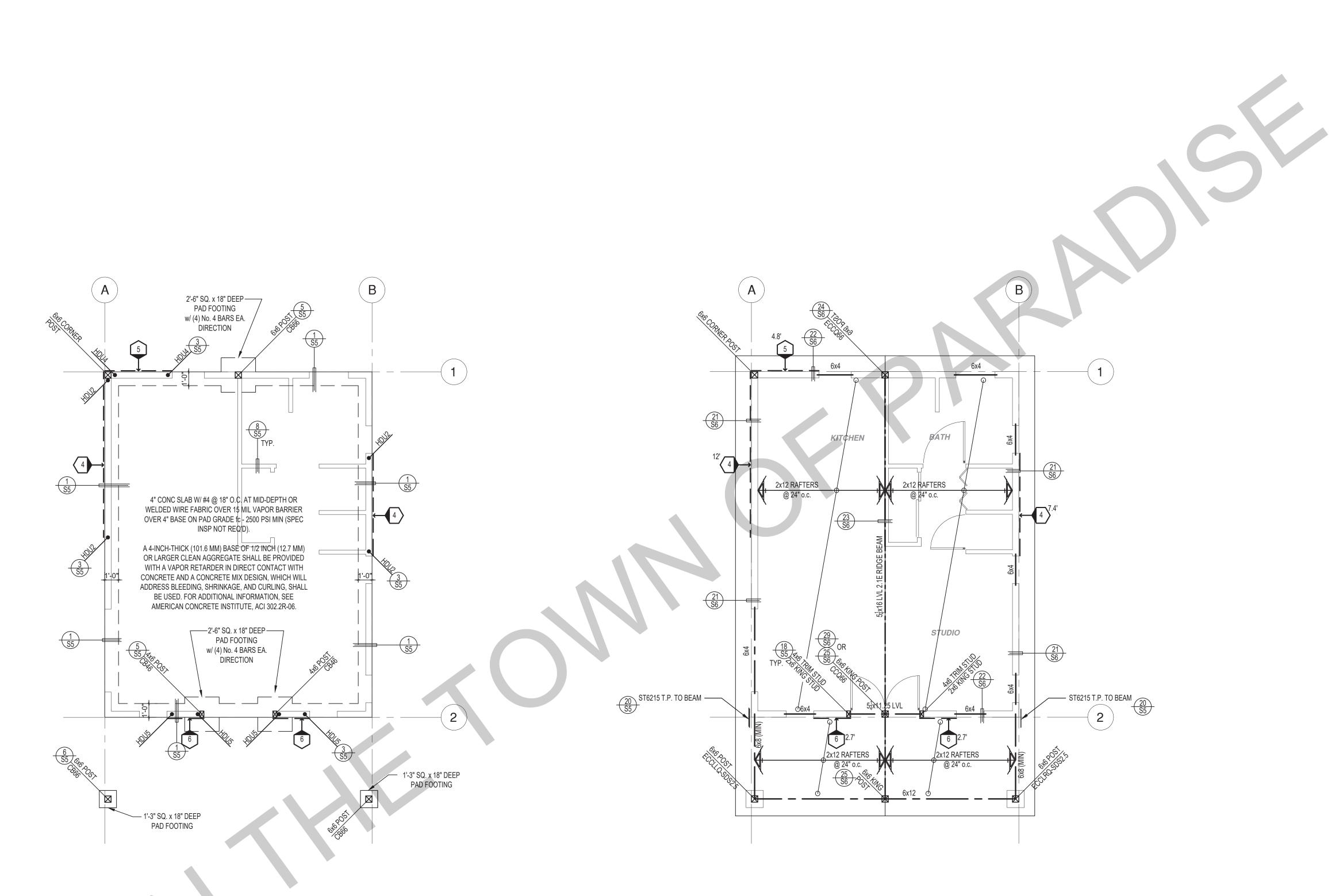
revisions  $\square$ 



description

# Foundation & Framing Plan Craftsman

date	## Month 20##			
project no.	20##_xxxxx			
drawn by	xxx/xxx			
sheet no. <b>S3</b>				



# FOUNDATION PLAN CRAFTSMAN - REVERSE 1/4"=1'-0"

# FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
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SPACING OF A35/LTP4 FRAMING TO TOP PLATE	32" O.C.	18" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.

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1/4"=1'-0"

# SHEAR WALL SCHEDULE (ASD VALUES)

# SHEAR WALL FOOTNOTES

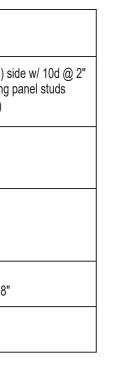
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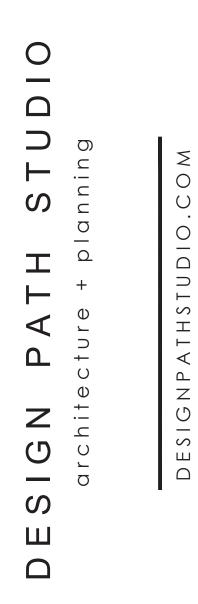
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LEGEND				
X X'	SHEARWALL & A.B. SPACING PER SCHEDULE			
	BOLT TYPE HOLDOWN			
<b>(</b>	BEARING OR EXTENT OF RAFTERS			
╞── - ──	HANGER TO BEAM/LEDGER			
<	BEARING OR EXTENT OF JOISTS			

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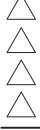
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# project

Town of Paradise Pre-Approved ADU Program

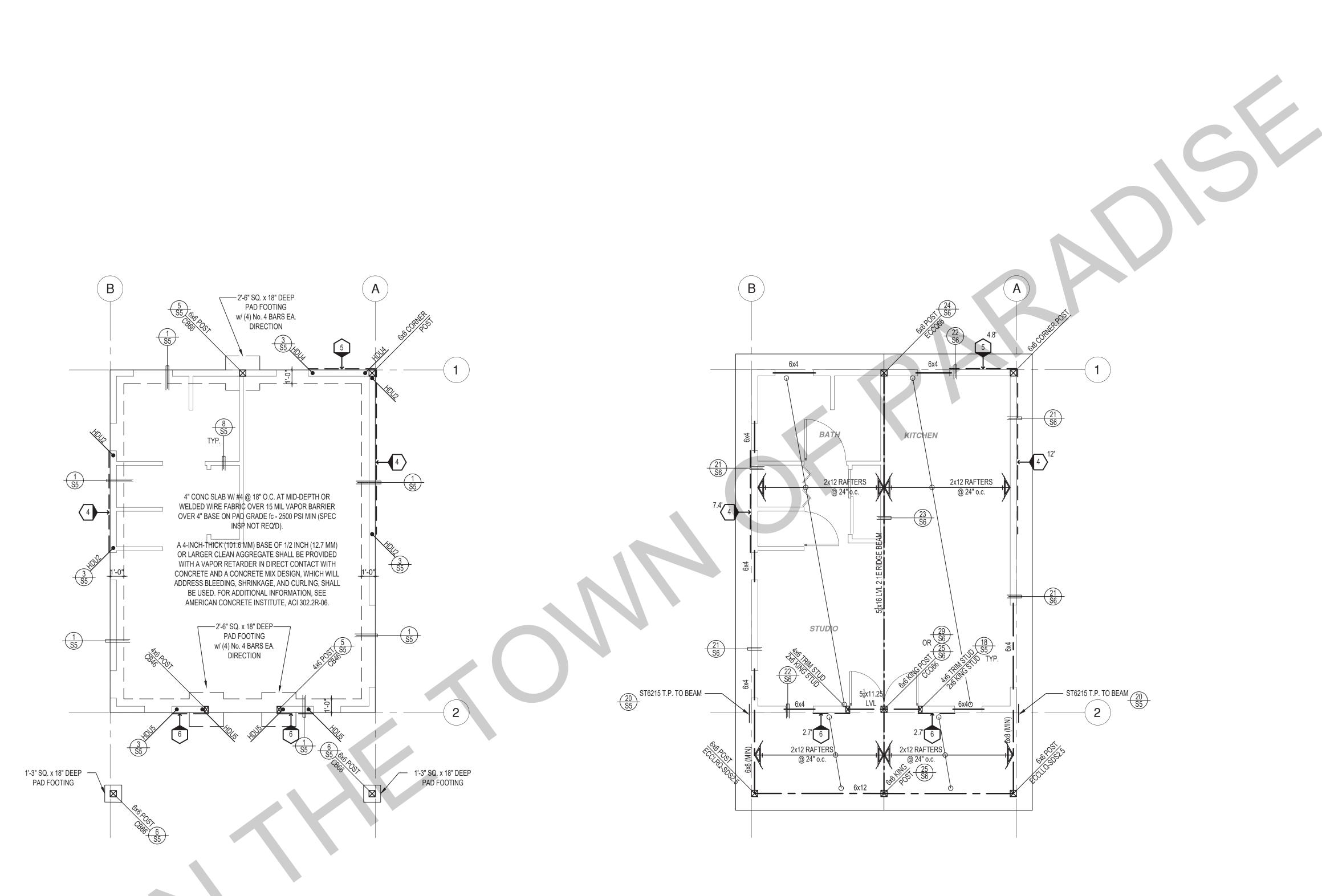
revisions  $\square$ 



description

# Foundation & Framing Plan Barn

date	## Month 20##
project no.	20##_xxxxx
drawn by	xxx/xxx
sheet no.	53R



# FOUNDATION PLAN 1/4"=1'-0"

# FOUNDATION NOTES

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ROOF FRAMING PLAN 1/4"=1'-0"

# SHEAR WALL SCHEDULE (ASD VALUES)

### SHEAR WALL FOOTNOTES

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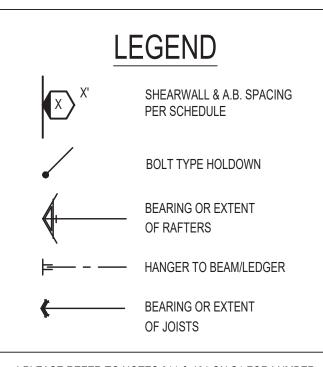
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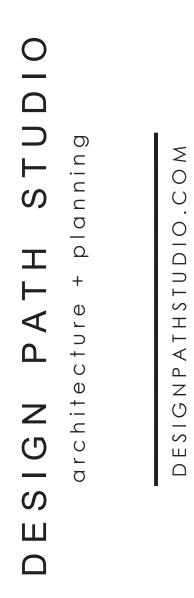
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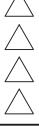
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# project

Town of Paradise Pre-Approved ADU Program

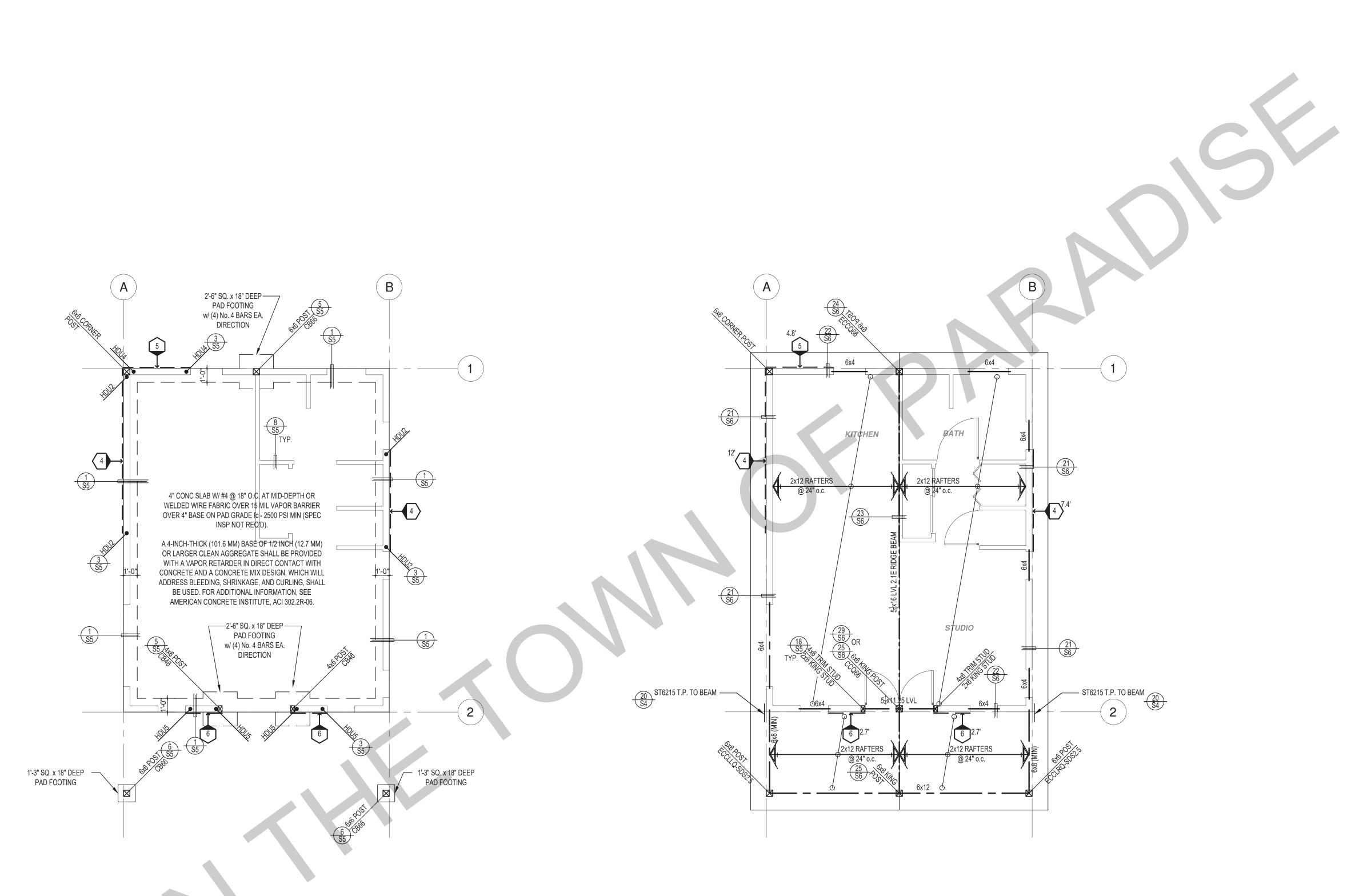
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description

# Foundation & Framing Plan Ranch

date	## Month 20##			
project no.	20##_xxxxx			
drawn by	xxx/xxx			
<sup>sheet no.</sup> S4				



# FOUNDATION PLAN 1/4"=1'-0"

# FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHORBOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- 4. PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH
- ANCHOR BOLT. 5. PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 6. SEE SHT S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2) 16d T.N. EA SIDE, TYP.
- 8. FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

	4
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 footnote 3 )
SHEAR VALUE (PLF)	260*
ANCHOR BOLT SPACING	5⁄8" @ 48" or 1∕2" @ 32"
16d (0.148") SILL NAILING	6"
SPACING OF A35/LTP4 FRAMING TO TOP PLATE	32" O.C.

(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.

(3) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE 1/2" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/8" MIN. FROM THE EDGE OF SHEATHING.

(5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING. (\*) ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

RANCH - REVERSE

# ROOF FRAMING PLAN 1/4"=1'-0" RANCH - REVERSE

# SHEAR WALL SCHEDULE (ASD VALUES)

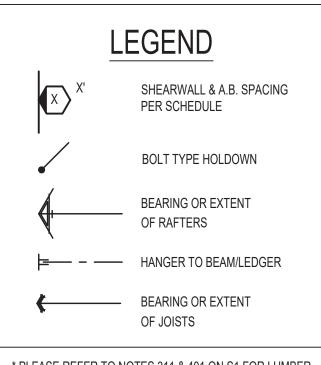
9 7 8 5 6  $\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4) <sup>15</sup>/<sub>32</sub>" rated STRUCT 1 panel, (1) side w/ 10d @ 2" 3/8" rated STRUCT 1 panel, (1) side w/ 8d @ 3" <sup>15</sup>/<sub>32</sub>" rated STRUCT 1 panel, (1) side w/ 10d @ 3"  $\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4) o/c edge, 12" o/c field 3x abutting panel studs o/c edge, 12" o/c field 3x abutting panel studs  $4\frac{1}{2}$ " o/c edge, 12" o/c field, blocked blocked (See footnote 3, 4, & 5) blocked (See footnote 3, 4, & 5) (See footnote 3) 550\* 665\* 870\* 350\* 490\* 5⁄8" @ 32" 5⁄8" @ 24" 5⁄8" @ 24" 5⁄8" @ 12" 5∕8"@16" or or or 1⁄2" @ 24" ½" @ 16" 1⁄2" @ 8" 1⁄2" @ 16" 1⁄2" @ 24" 1⁄4"x41⁄2" 1∕4"x41∕2" 31/2" 41⁄2" 3" SDS screws @ 8" SDS screws @ 8" 18" O.C. 12" O.C. 12" O.C. 8" O.C. 8" O.C.

# SHEAR WALL FOOTNOTES

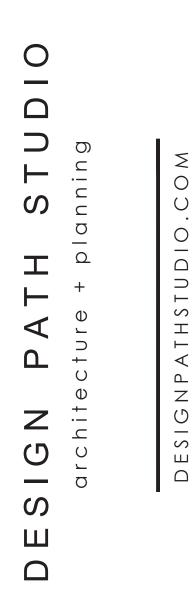
(2) SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209. 307, 308, 309, ETC.)

(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. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.





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



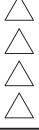
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# project

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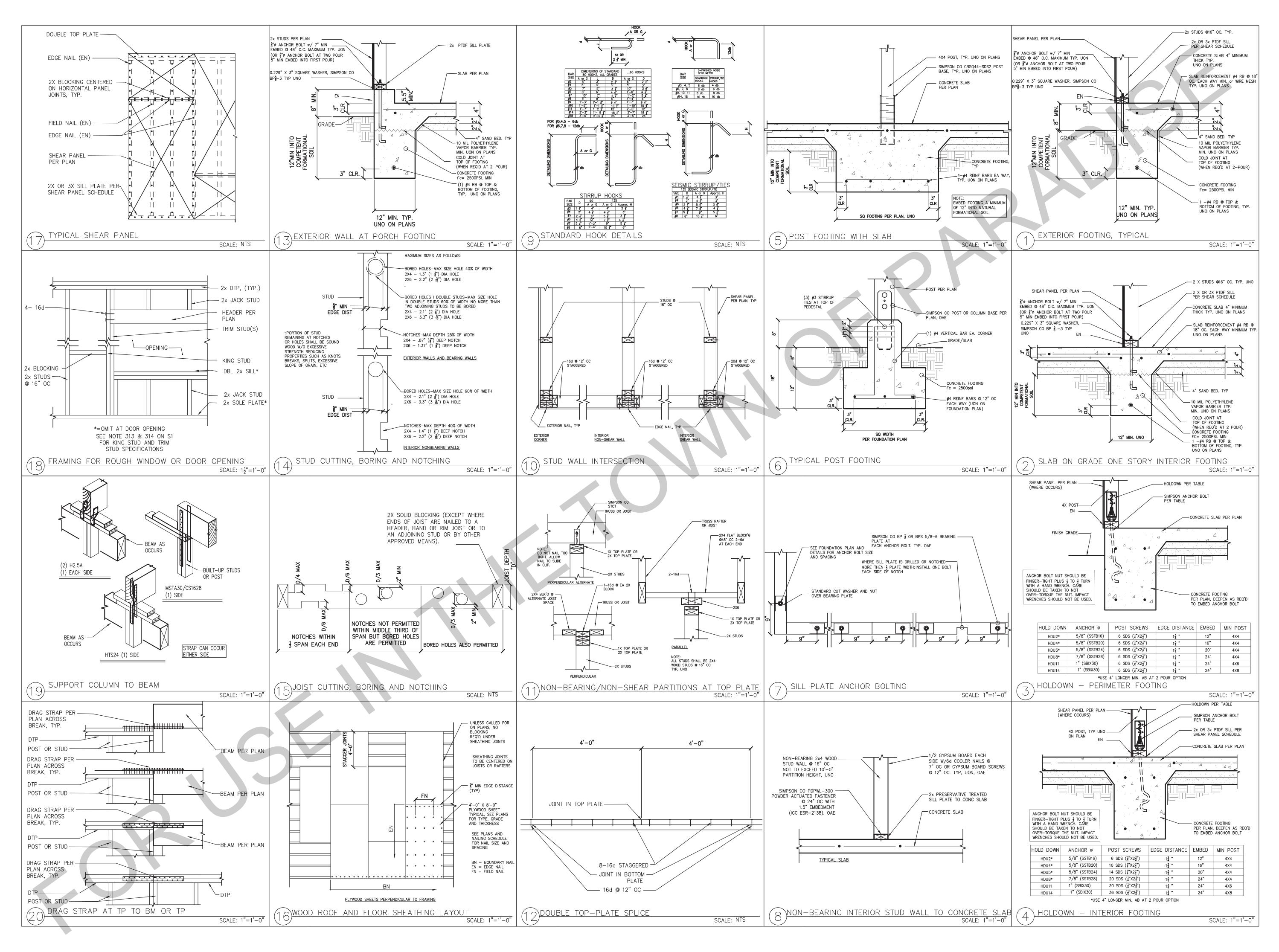
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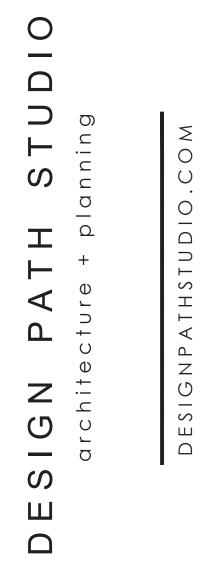


description

# Foundation & Framing Plan Ranch

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	54R





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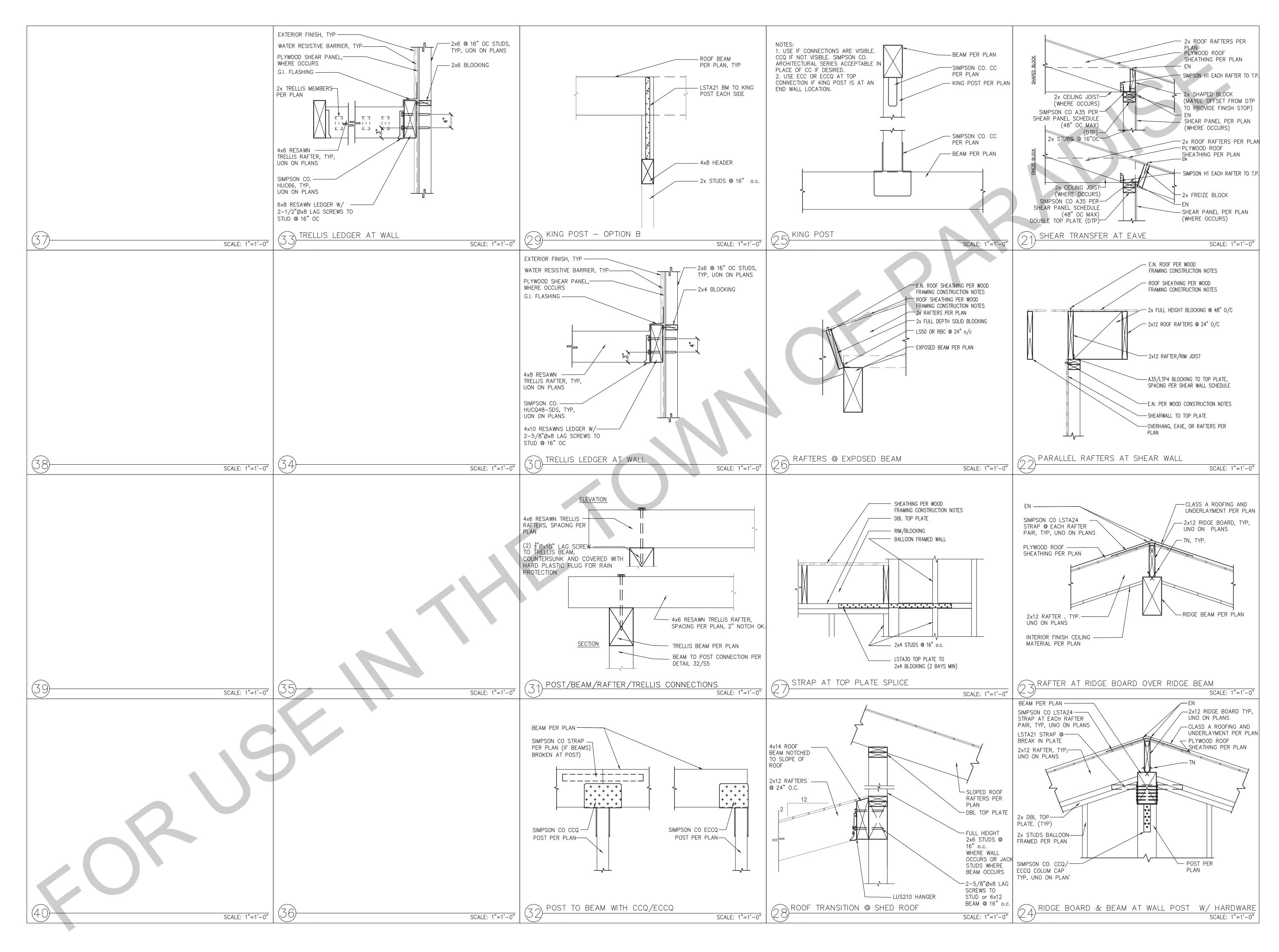
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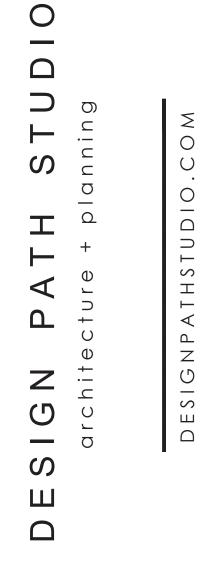
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Town of Paradise Pre-Approved ADU Program

△ △ △ △ description Structural Details

date	## Month 20##		
project no.	20##_xxxxxx		
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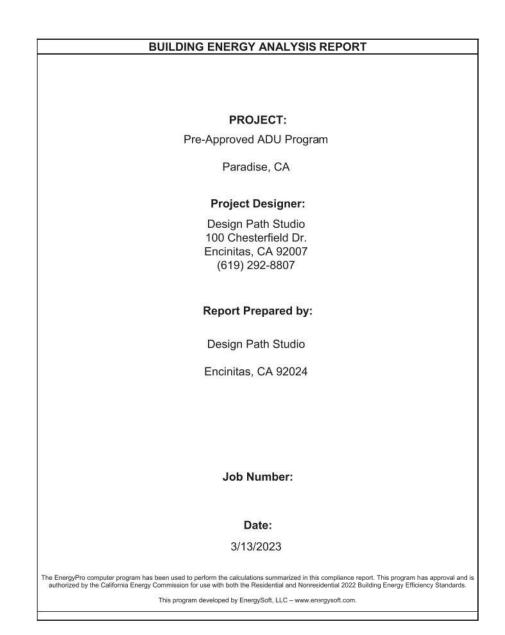
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Town of Paradise Pre-Approved ADU Program

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# description Structural Details

date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
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sheet no. 🟉	
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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD		CF1R-PRF-01E
Project Name: Residential Building	Calculation Date/Time: 2023-03-13T19:51:51-07:00	(Page 2 of 13)
Calculation Description: Title 24 Analysis	Input File Name: OStudio.ribd22x	

ENERGY DESIGN RATINGS **Energy Design Ratings Compliance Margins** Source Energy Efficiency<sup>1</sup> EDR Total<sup>2</sup> EDR Source Energy Efficiency<sup>1</sup> EDR Total<sup>2</sup> EDR (EDR1) (EDR2efficiency) (EDR2total) (EDR1) (EDR2efficiency) (EDR2total) Standard Design 42.2 51.9 42 **Proposed Design** 37.2 41.3 North Facing 51.5 5 0.7 0.4 East Facing 37.4 51.9 4.8 42 0 0 South Facing 37.3 41.2 51.4 4.9 0.8 0.5 West Facing 37.2 40.8 51.2 5 1.2 0.7 RESULT<sup>3</sup>: PASS 21 Inc <sup>1</sup>Efficiency EDR includes improvements like a better building envelope and more efficient equipment Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries  $V \perp D \in \mathbb{R}$ <sup>3</sup>Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded

Standard Design PV Capacity: 0.00 kWdc Proposed PV Capacity Scaling: North (0.00 kWdc) East (0.00 kWdc) South (0.00 kWdc) West (0.00 kWdc)

Registration Number: 223-P010030398A-000-000-000000-0000	Registration Date/Time: 2023-03-13 20:02:24	HERS Provider: CalCERTS inc.
CA Building Energy Efficiency Standards - 2022 Residential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220901	Report Generated: 2023-03-13 19:52:29

CERTIFICATE OF COMPLIANCE	RESIDENTIAL PERFORMANCE COMPLI	ANCE METHOD		CF1F	
Project Name: Residential Building		Calculation Date	(Pag		
Calculation Description: Title 2	4 Analysis	Input File Name: OStudio.ribd22x			
ENERGY USE INTENSITY					
	Standard Design (kBtu/ft <sup>2</sup> - yr )	Proposed Design (kBtu/ft <sup>2</sup> - yr )	Compliance Margin (kBtu/ft <sup>2</sup> - yr )	Margin Percentag	
North Facing					
Gross EUI <sup>1</sup>	36.03	32.16	3.87	10.74	
Net EUI <sup>2</sup>	36.03	32.16	3.87	10.74	
East Facing					

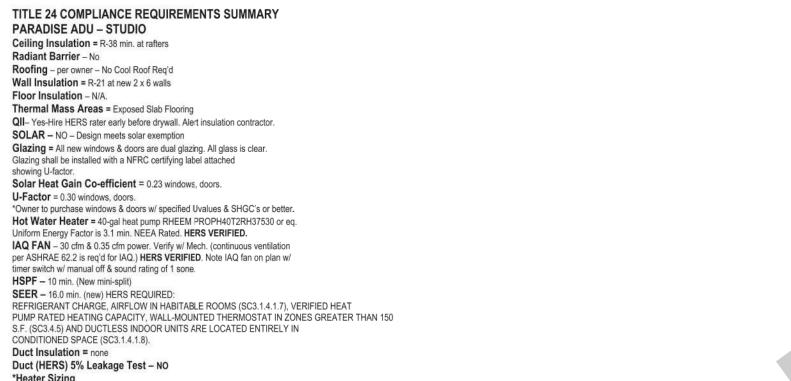
Gross EUI <sup>1</sup>	36.03	32.32	3.71	10.3
Net EUI <sup>2</sup>	36.03	32.32	3.71	10.3
South Facing				
Gross EUI <sup>1</sup>	36.03	32.38	3.65	10.13
Net EUI <sup>2</sup>	36.03	32.38	3.65	10.13
West Facing	THE	RS PROV	TDER	
Gross EUI <sup>1</sup>	36.03	32.15	3.88	10.77
Net EUI <sup>2</sup>	36.03	32.15	3.88	10.77
Notes 1. Gross EUI is Energy Use Total (n 2. Net EUI is Energy Use Total 'incl	ot including PV) / Total Building Area.			

ncluding PV) / Total Building Ar

ration Number 223-P010030398A-000-000-0000000-0000 A Building Energy Efficiency Standards - 2022 Residential Compliance Registration Date/Time: 2023-03-13 20:02:24 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-03-13 19:52:29

CF1R-PRF-01E (Page 5 of 13)



Registration Number: 223-P010030398A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

### Project Name: Residential Building Calculation Description: Title 24 Analysis ENERGY USE SUMMARY

Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft <sup>2</sup> -yr)	Standard Design TDV Energy (EDR2) (kTDV/ft <sup>2</sup> -yr)	Proposed Design Source Energy (EDR1) (kBtu/ft <sup>2</sup> -yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft <sup>2</sup> -yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	5.04	22.18	3.3	24.16	1.74	-1.98
Space Cooling	2.47	54.42	2.72	65.44	-0.25	-11.02
IAQ Ventilation	0.46	4.92	0.46	4.92	0	0
Water Heating	4.73	46.9	2.89	31.58	1.84	15.32
Self Utilization/Flexibility Credit	Å			0	~	0
South Facing Efficiency Compliance Total	12.7	128.42	9.37	126.1	3.33	2.32
Space Heating	5.04	22.18	3.13	22.84	1.91	-0.66
Space Cooling	2.47	H 54:42 R S	P R 2.78 V I I	DE 65.28	-0.31	-10.86
IAQ Ventilation	0.46	4.92	0.46	4.92	0	0
Water Heating	4.73	46.9	2.89	31.56	1.84	15.34
Self Utilization/Flexibility Credit				0		0
West Facing Efficiency Compliance Total	12.7	128.42	9.26	124.6	3.44	3.82

per:
223-P010030398A-000-0
y Efficiency Standards - 20

Project Name: Residential Building Calculation Description: Title 24 Analysis

ONE INFORMAT	TON			
01		02		03
Zone Nan	ne	Zone Type	HVAC	Syste
Studio	š.	Conditioned	HVAC S	
PAQUE SURFAC	ES			
01		02	03	3
Name		Zone	Constru	uctior
Front Wall		Studio	R-21	Wall
Left Wall		Studio	R-21 W	
Rear Wall		Studio	R-21	Wall
Right Wall		Studio	itudio R-21	
PAQUE SURFAC	ES - CATHEDRA		1	
01	02	03	04	
Name	Zone	Construction	Azimuth	
Roof	Studio	R-38 Roof No Attic	0	
ENESTRATION /	GLAZING			
01	02	03	04	
Name	Туре	Surface	Orientation	Azi
Window A	Window	Front Wall	Front	
	Window	Front Wall	Front	

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Calculation Date/Time: 2023-03-13T19:51:51-07:00 Project Name: Residential Building Input File Name: 0Studio.ribd22x Calculation Description: Title 24 Analysis

TITLE 24 COMPLIANCE REQUIREMENTS SUMMARY

QII- Yes-Hire HERS rater early before drywall. Alert insulation contractor.

**Glazing =** All new windows & doors are dual glazing. All glass is clear. Glazing shall be installed with a NFRC certifying label attached

Uniform Energy Factor is 3.1 min. NEEA Rated. HERS VERIFIED. IAQ FAN - 30 cfm & 0.35 cfm power. Verify w/ Mech. (continuous ventilation

WHOLE HOUSE ATTIC COOLING FAN - N/R for compliance

\*These load calculations, sizing & equipment are for Title 24 purposes & should be verified HVAC by a Mechanical Engineer/Contractor.

Owner may install any Make & Model HVAC equipment that is equal or greater than the min. efficiencies listed above. All equipment is listed "or eq"

listed on CEC directory. HERS VERIFIED \*\* SONE RATING = 1 FOR CONTINUOUS FAN AND 3 FOR INTERMITTENT FAN.

ALL LIGHTING TO BE HIGH EFFICACY - SEE MF1R FOR SWITCHING & NOTES.

LOCAL EXHAUST FAN RATES BATH = 50 CFM, KITCHEN = 100 CFM, < 3 sones &

\*Owner to purchase windows & doors w/ specified Uvalues & SHGC's or better.

Hot Water Heater = 40-gal heat pump RHEEM PROPH40T2RH37530 or eq.

per ASHRAE 62.2 is req'd for IAQ.) HERS VERIFIED. Note IAQ fan on plan w/ timer switch w/ manual off & sound rating of 1 sone.

PARADISE ADU - STUDIO

Radiant Barrier - No

Floor Insulation – N/A.

U-Factor = 0.30 windows, doors.

HSPF - 10 min. (New mini-split)

SEER – 16.0 min. (new) HERS REQUIRED:

CONDITIONED SPACE (SC3.1.4.1.8). Duct Insulation = none

Total Sensible heating load - 8,735 Btu

Mini-Split Heat Pump or eq - 12,000 Btu

\*A/C Sizing Total Sensible cooling load – 7,474 Btu – 1 ton

\*Heater Sizing

Duct (HERS) 5% Leakage Test – NO

showing U-factor.

Ceiling Insulation = R-38 min. at rafters

Roofing - per owner - No Cool Roof Req'd

Wall Insulation = R-21 at new 2 x 6 walls

Thermal Mass Areas = Exposed Slab Flooring

SOLAR - NO - Design meets solar exemption

Solar Heat Gain Co-efficient = 0.23 windows, doors.

CF1R-PRF-01E (Page 3 of 13)

NERGY USE SUMMARY						~
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft <sup>2</sup> -yr)	Standard Design TDV Energy (EDR2) (kTDV/ft <sup>2</sup> -yr)	Proposed Design Source Energy (EDR1) (kBtu/ft <sup>2</sup> -yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft <sup>2</sup> -yr)	Compliance Margin (EDR1)	Compliance Margin (EDR
Space Heating	5.04	22.18	3.2	23.35	1.84	-1.17
Space Cooling	2.47	54.42	2.74	66.31	-0.27	-11.89
IAQ Ventilation	0.46	4.92	0.46	4.92	0	0
Water Heating	4.73	46.9	2.89	31.57	1.84	15.33
Self Utilization/Flexibility Credit	٨			0		0
North Facing Efficiency Compliance Total	12.7	128.42	50 <sup>-9.29</sup> C	126.15	3.41	2.27
Space Heating	5.04	22.18	<b>3.27</b>	23.97	1.77	-1.79
Space Cooling	2.47	H 54.42 K S	PR28VII	D E R <sub>67.79</sub>	-0.33	-13.37
IAQ Ventilation	0.46	4.92	0.46	4.92	0	0
Water Heating	4.73	46.9	2.89	31.58	1.84	15.32
Self Utilization/Flexibility Credit				0		0
East Facing Efficiency Compliance Total	12.7	128.42	9.42	128.26	3.28	0.16

Registration Number: 223-P010030398A-000-000-00000-0000	Registration Date/Time: 2023-03-13 20:02:24	HERS Provider:	CalCERTS inc.	Re
CA Building Energy Efficiency Standards - 2022 Residential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220901	Report Generated: 2023-03-13	19:52:29	CA
CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE ME	тнор		CF1R-PRF-01E	CE

CERTIFICATE OF	COMPLIANCE -	RESIDENTIAL PERFORINA		ETHOD						L L	FIR-PRF-UIE
Project Name: R	esidential Buildi	ing		Calculati	ion Dat	e/Time: 2023	3-03-13T	19:51:51-07:0	00	(	Page 6 of 13)
Calculation Desc	ription: Title 24	Analysis		Input Fil	e Name	e: 0Studio.rib	d22x				
REQUIRED PV SYS	TEMS										
				(i.e.e.	141400					1	
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type F	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
0		Standard (14-17%)	Fixed	none	true	n/a	n/a	n/a	n/a	n/a	
REQUIRED SPECIA	L FEATURES							2			
The following are	features that mus	t be installed as condition fo	r meeting the modeled	energy performance	for this	computer anal	ysis.				
<ul> <li>Window ov</li> <li>Variable car</li> </ul>	erhangs and/or fin bacity heat pump	ed when minimum PV size (S ns compliance <mark>optio</mark> n (verificat Alliance (NEEA) rated heat p	ion details from VCHP S	taff report, Appendix		20. DO 10.	stalled				
HERS FEATURE SU	MANADY		-		_			2			
The following is a	summary of the fe	eatures <mark>th</mark> at must be field-ve les be <mark>low. R</mark> egistered CF2Rs						gy performanc	e for this com	nputer analysis	. Additional
<ul> <li>Indoor air q</li> <li>Kitchen ran</li> <li>Verified EEF</li> <li>Verified SEE</li> <li>Verified Ref</li> <li>Airflow in h</li> <li>Verified HSI</li> <li>Verified HSI</li> <li>Verified HSI</li> <li>Wall-mount</li> </ul>	(/EER2 irgerant Charge abitable rooms (S PF2 at pump rated hea red thermostat in	C3.1.4.1.7)		5 PRO	V V	(ID)	ER				
BUILDING - FEATU	RES INFORMATIC	DN									
01		02	03	04		05			06		07
Project N	ame Co	onditioned Floor Area (ft <sup>2</sup> )	Number of Dwelling Units	Number of Bedro	ooms	Number of	Zones	A 400 Mod Co	of Ventilation g Systems		er of Water og Systems
Residential I	Building	499	1	0		1			0		1
Registration Num		98A-000-000-0000000-0000		Registration Date/		-03-13 20:02:24		HERS	Provider:		CalCERTS inc.

CA Building Energy Efficiency Standards - 2022 Residential Compliance

Report Version: 2022.0.000 Schema Version: rev 20220901

RTS inc. Report Generated: 2023-03-13 19:52:29

# **CERTIFICATE OF COMPLIANCE - RESIDENTIA**

CERTIFICAT	<b>FE OF COMPLIANCE - RESIDENTIAL P</b>	ERFORMANCE COMPLIANCE METHOD			CF1R-PRF-01E
Project Na	me: Residential Building		Calculatio	on Date/Time: 2023-03-13T19:51:51-0	07:00 (Page 1 of 13)
Calculation	n Description: Title 24 Analysis		Input File	Name: 0Studio.ribd22x	
	NFORMATION				
01		Residential Building			
02		Title 24 Analysis			
03	Project Location				
04	•	– Paradise	05	Standards Version	2022
06	Zip code	Construction of the Constr	07	Software Version	EnergyPro 9.1
08	Climate Zone	11	09	Front Orientation (deg/ Cardinal)	All orientations
10	Building Type	Single family	11	Number of Dwelling Units	1
12	Project Scope	Newly Constructed	13	Number of Bedrooms	0
14	Addition Cond. Floor Area (ft <sup>2</sup> )	0	15	Number of Stories	1
16	Existing Cond. Floor Area (ft <sup>2</sup> )		17	Fenestration Average U-factor	0.55
18	Total Cond. Floor Area (ft <sup>2</sup> )		19	Glazing Percentage (%)	16.70%
20	ADU Bedroom Count				
			121	SIDC	
COMPLIANC				J, IIIC.	
01	Building Complies with Computer		RC	VIDER	
02		s that require field testing and/or verification	on by a certif	ied HERS rater under the supervision of a	CEC-approved HERS provider.
03	This building incorporates one or	more Special Features shown below			

Registration Date/Time: 2023-03-13 20:02:24 Report Version: 2022.0.000

Schema Version: rev 20220901

Input File Name: OStudio.ribd22x

HERS Provider: CalCERTS inc. Report Generated: 2023-03-13 19:52:29

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Calculation Date/Time: 2023-03-13T19:51:51-07:00

(Page 4 of 13)

CF1R-PRF-01E

CalCERTS inc.

Registration Date/Time: 2023-03-13 20:02:24 HERS Provider: 000-0000000-0000 022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2023-03-13 19:52:29 Schema Version: rev 20220901

AL	PERFORMAN	ICE COMPLI	ANCE ME	THOD									CF1R-PRF-01E
					Calculat	tion Date	/Time:	2023	-03-13T19:5	51:51-07:00			(Page 7 of 13
					Input Fi	le Name	: OStud	io.ribo	122x				
		03		04	4		1	05		06			07
	HVAC	System Nam	e z	one Floor	Area (ft	2)	Avg. Cei	iling H	eight W	ater Heating Sy	stem 1		Status
ł	HV	AC System1		49	12.1	·		8		DHW Sys 1			New
2	110	Ac Systemi			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			0		DIIW Sys 1			
Τ	0	3		04		05			06	07			08
	Constr	uction	Az	imuth	Or	ientation		Gross	Area (ft <sup>2</sup> )	Window a Area (			Tilt (deg)
	R-21	Wall		0		Front			156	49			90
	R-21	Wall		90		Left			200	13.9	8		90
	R-21	Wall		180		Back			156	32.4	1		90
	R-21	Wall	-	270	_	Right			200	21			90
-	5				-			۱r	10				
-	04	44	05	0	6	07	, [		08	09	10		11
ion	Azimut	h Orie	R S ntation	Area	(ft <sup>2</sup> )	Skyligh (ft		Roo	f Rise (x in 12)	Roof Reflectance	Roof Emi	ttance	Cool Roof
No	0	F	ront	49	99	0			4	0.1	0.8	5	No
_													·····
	04	05	06	07	08	09	10	)	11	12	13		14
	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft <sup>2</sup> )	U-fac	tor	U-factor Source	SHGC	SHGC Sou	urce	Exterior Shading
	Front	0	2	4	1	8	0.5	5	Table 110.6-A	0.67	Table 110	.6-B	Bug Screen
	Front	0	2	4	1	8	0.5	5	Table 110.6-A	0.67	Table 110	.6-B	Bug Screen

Registration Date/Time: 2023-03-13 20:02:24 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-03-13 19:52:29

### Ο $\square$ $\supset$ $\mathcal{O}$ $\vdash$ S $\Box$ Т Q $\cap$ - - $\sim$ - H Ω Ζ () $\sim$ C Ш $\square$ S Ш

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 TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF PARADISE 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

revisions

Town of Paradise Pre-Approved ADU Program

 $\square$  $\triangle$ description Energy Calculations Studio

date	## Month 20##
project no.	20##_xxxxx
drawn by	xxx/xxx
sheet no.	Γ24.1

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD** 

Project Name: Residential Building

### Calculation Date/Time: 2023-03-13T19:51:51-07:00

CF1R-PRF-01E (Page 8 of 13)

	alculation Description: Title 24 Analysis Input File Name: OStudio.ribd22x														
FENESTRATION /	GLAZING														
01	02	03		04	05	06	07	08	09	10	11	12	13		14
Name	Туре	Surface	e 0	rientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft <sup>2</sup> )	U-factor	U-factor Source	SHGC	SHGC Sou	irce E	xterior Shading
Window B	Window	Left Wa	11	Left	90			1	4.66	0.55	Table 110.6-A	0.67	Table 110	.6-B	Bug Screen
Window B 2	Window	Left Wa	11	Left	90			1	4.66	0.55	Table 110.6-A	0.67	Table 110	.6-B	Bug Screen
Window B 3	Window	Left Wa		Left	90			1	4.66	0.55	Table 110.6-A	0.67	Table 110	.6-B	Bug Screen
Window C	Window	Rear Wa	all 🕴	Back	180	2	3	1	8.4	0.55	Table 110.6-A	0.67	Table 110	.6-B	Bug Screen
Window D	Window	Rear Wa	all	Back	180	6	4	1	24	0.55	Table 110.6-A	0.67	Table 110	.6-B	Bug Screen
Window E	Window	Right Wa	all	Right	270		Ľ		21	0.55	Table 110.6-A	0.67	Table 110	.6-B	Bug Screen
OPAQUE DOORS				and the	7 7 <b>1</b> 100	5 % A.	*				. * *				
	01				02					03			(	)4	
	Name				Side of Buildi	ng				Area (ft <sup>2</sup> )			U-fa	actor	
	Door 1	-1			Front Wall					33			0	).5	
OVERHANGS AND	FINS														
01		02	03	04	05	0	6	07	08	09	10	11	12	13	14
20-18	Overhang									left Fin			Right	t Fin	
Windo	w	Depth	Dist Up	Left Ext	ent Right Extent		Ht.	Depth	Top Up	Dist L	Bot Up	Depth	Тор Uр	Dist F	8 Bot Up
Window	/ A	6	0.1	6	6		D I	0	0	0	0	0	0	0	0

**Registration Number:** 223-P010030398A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Date/Time: 2023-03-13 20:02:24 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-03-13 19:52:29

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD** CF1R-PRF-01E Project Name: Residential Building Calculation Date/Time: 2023-03-13T19:51:51-07:00 (Page 11 of 13) Calculation Description: Title 24 Analysis Input File Name: OStudio.ribd22x

01	02	03			04			05			06			07		08		09
Name	System Type	Heating Un	it Name	Heat	ting Equipm Count	ient (	Cooling	Unit Na	me		Equipme count	ent	Far	Name	Distrib	oution Na	ame	Required Thermostat Typ
HVAC System1	Heat pump heating cooling	Heat Pump 1	System		1	ŀ	Heat Pu	ımp Syste 1	em		1			n/a		n/a		Setback
HVAC - HEAT PUMPS																		
01	02	03	04	1	05	06		07		08	09	Τ	10	11	1	2		13
					Heati	ng				(	Cooling				1			
Name	System Type	Number of Units	Efficie Typ		HSPF / HSPF2 / COP	Cap 4	17 Ca	ap 17		ciency ype	SEER / SEER2		EER / EER / CEER	Zonally Controlled		ressor pe	HEF	RS Verification
Heat Pump System 1	VCHP-ductless	1	HSP	F2	10	1200	0 1	1400	EER	2SEER2	16	ľ	13	Zonally Controlled		igle eed		t Pump System hers-htpump
HVAC HEAT PUMPS -	HERS VERIFICATIO	N	-	H	ER	S	F	$\frac{1}{2}$ R	Ċ	5V	TD		ER					
01	02	03			04			05			06			07		08		09
Name	Verified Airflow	Airflow	arget	Veri	ified EER/EI	R2		erified R/SEER2			Refrigera harge	ant		erified F/HSPF2		ied Heat Cap 47	ing	Verified Heatin Cap 17
Heat Pump System 1-hers-htpump	Not Required	0		N	lot Required	ł	Not F	Required			Yes			No		Yes		Yes
VARIABLE CAPACITY	HEAT PUMP COMP	LIANCE OPTION	- HERS	VERIFI	CATION													
01		02	03		04			05	Т	06			07	08		0	09	10
Name	L	Certified ow-Static HP System	Airflow Habital Room	ole	Ductless in Condit Spac	ioned		l Mount rmostat		Air Filter S amp; Pre Drop Ra	essure	D Con	/ Leakage oucts in ditioned Space	Airflow RA3.3	1inimum rflow per A3.3 and 3.3.3.4.1 Certifie non-contir Fan		ntinuou	Indoor Fan r s Running Continuous
Heat Pump Sys	No.	t required	Require		Requir		De	quired	+	Not requ	due d	Net	required	Nation	required Not required Not requ			Not roquin

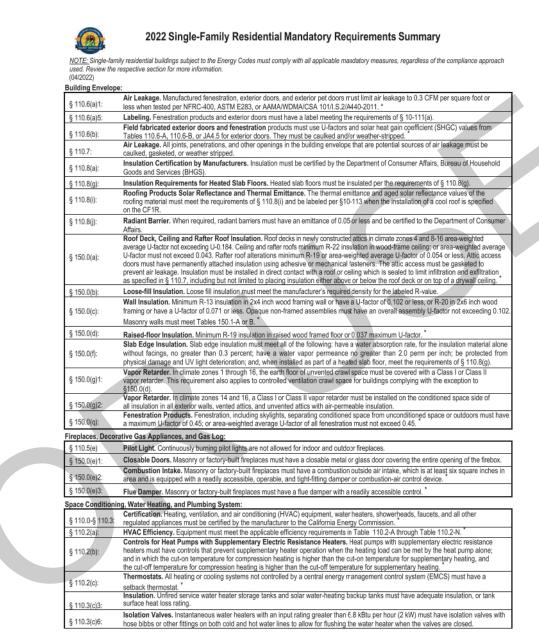
Registration Number: 223-P010030398A-000-000-0000000-0000

CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Date/Time: 2023-03-13 20:02:24 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: CalCERTS inc.

Report Generated: 2023-03-13 19:52:29



5/6/22

CERTIFICATE OF COMI Project Name: Resider Calculation Descriptio	ntial Building		PERFORMANCE	COM	PLIAN	CE METHOD		ition Date/Ti ile Name: OS			9:51:51-0	7:00			1R-PRF-01 age 9 of 1
OVERHANGS AND FINS															
01	02	03	04	0	05	06	07	08	09	10	1	1	12	13	14
			Overhang					Left	Fin				Righ	t Fin	
Window	Depth	Dist	Up Left Extent		ght tent	Flap Ht.	Depth	Тор Uр	Dist L	Bot U	p De	pth	Тор Uр	Dist R	Bot Up
Window A 2	6	0.:	1 6		6	0	0	0	0	0	(	D	0	0	0
Window C	2	0.:	1 6		6	0	0	0	0	0	(	D	0	0	0
Window D	2	0.:	1 6		6	0	0	0	0	0	(	D	0	0	0
SLAB FLOORS															
01	1		03			04	05		06			07		08	
Name	Zone		Area (ft <sup>2</sup> )	Area (ft <sup>2</sup> ) Perimeter				Insul. R-value nd Depth	Edge Insul. R-value and Depth			Carpeted Fraction		Heated	
Slab	Studio		499			90	none				8	30%	1	No	
OPAQUE SURFACE CONS				-		5	S R		DF	R					
01	02		03		aas 8 1	04		05	00	5	07	Т		08	
Construction Name	Surface Ty	pe	Construction T	ype		Framing		Total Cavity R-value	Contin	Interior / Exterior		actor A		Assembly Layers	
R-21 Wall	R-21 Wall Exterior Walls		Wood Framed	Wall	2	2x6 @ 16 in. O	. C.	R-21	None /	None	0.068	Inside Finish: Gypsum E Cavity / Frame: R-21 / Exterior Finish: All Other		2x6	
R-38 Roof No Attic	R-38 Roof No Attic Cathedral Ceilings		Wood Frame Ceiling	d	2:	x12 @ 16 in. C	). C.	R-35	None /	None	0.031		Roof Siding/sh Cavity / Fr	PSF (RoofTile Gap: present Deck: Wood eathing/dec ame: R-35 / sh: Gypsum	king 2x12



Registration Number: 223-P010030398A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Registration Date/Time: 2023-03-13 20:02:24 Report Version: 2022.0.000 Schema Version: rev 20220901

HERS Provider: Report Generated: 2023-03-13 19:52:29

CF1R-PRF-01E CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 12 of 13) Calculation Date/Time: 2023-03-13T19:51:51-07:00 Project Name: Residential Building Input File Name: 0Studio.ribd22x Calculation Description: Title 24 Analysis

INDOOR AIR QUALIT	Y (IAQ) FANS							
01	02	03	04	05	06	07	08	09
Dwelling Unit	Airflow (CFM)	Fan Efficacy (W/CFM)	IAQ Fan Type	Includes Heat/Energy Recovery?	IAQ Recovery Effectiveness - SRE	Includes Fault Indicator Display?	HERS Verification	Status
SFam IAQVentRpt	30	0.35	Exhaust	No	n/a	No	Yes	



Registration Number: 223-P010030398A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance Registration Date/Time: 2023-03-13 20:02:24

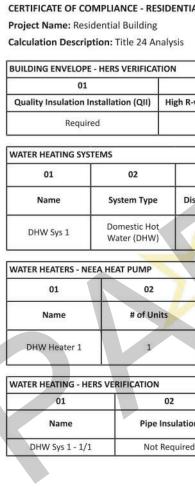
Report Version: 2022.0.000

Schema Version: rev 20220901

HERS Provider: CalCERTS inc. Report Generated: 2023-03-13 19:52:29

2022 Single-Family Residential Mandatory Requirements Summary 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 a 110.5: pa neaters. wilding Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook, § 150.0(h)1: Equipment Volume, Applications Volume, and Fundamentals Volume; the SMACNA Residential Comfort System Installation § 150.0(h)/A: Clearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any aryer. Liquid Line Drier. Air conditioners and heat pump systems must be equipped with liquid line filter driers if required, as specified by the § 150.0(h)3B: Water Piping, Solar Water-heating System Piping, and Space Conditioning System Line Insulation. All domestic hot water 150.0(j)1: piping must be insulated as specified in § 609.11 of the California Plumbing Code.\*

 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 § 150.0(j)2: 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 ion-crusnable casing or sleeve. Sas 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 § 150.0(n)1: more than 2° higher than the base of the water heater Solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and Certification Corporation (SRCC), the International Association of Plumbing and Mechanical Officials, Research and Testing (IAPMO R&T), or by a listing agency that is approved by the executive director. § 150.0(n)3: Ducts and Fans: Ducts, Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC). If a Contractor installast the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement. CMC Compliance. All air-distribution system ducts and plenums must meet CMC §§ 601.0-605.0 and ANSI/SMACNA-006-2006 HVAC 10.8(d)3: Duct Construction Standards Metal and Flexible 3rd Edition. Portions of supply-air and return-air ducts and plenums must be insulated to R-6.0 or higher; ducts located entirely in conditioned space as confirmed through field verification and diagnostic testing (RA3.1.4.3.8) do not require insulation. Connections of metal ducts and inner core of flexible ducts must be mechanically 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 ½", 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 o flexible duct must not be used to convey conditioned air. Building cavities and support platforms may contain ducts; ducts installed in these spaces must not be compressed. \*
Factory-Fabricated Duct Systems. Factory-fabricated duct systems must comply with applicable requirements for duct construction, \$ 150.0(m)2: connections, and closures; joints and seams of duct systems and their components must not be sealed with cloth back rubber adhesive duct tapes unless such tape is used in combination with mastic and draw bands. Field-Fabricated Duct Systems. Field-fabricated duct systems must comply with applicable requirements for: pressure-sensitive tapes 150 0(m)3<sup>-</sup> mastics, sealants, and other requirements specified for duct construction. Backdraft Damper. Fan systems that exchange air between the conditioned space and outdoors must have backdraft or automatic \$ 150.0(m)7: dampers. Gravity Ventilation Dampers. Gravity ventilating systems serving conditioned space must have either automatic or readily accessible, 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.
 Protection of Insulation. Insulation must be protected from damage due tosunlight, moisture, equipment maintenance, and wind.
 Iso.0(m)9: Insulation exposed to weather must be suitable for outdoor service (e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover). Cellular foam insulation must be protected as above or painted with a water retardant and solar radiation-resistant coating. \$ 150.0(m)10: Porous Inner Core Flex Duct. Porous inner cores of flex ducts must have a non-porous layer or air barrier between the inner core and outer vapor barrier. Duct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to an 150.0(m)11: 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.
 Air Filtration. Space conditioning systems with ducts exceeding 10 feet and the supply side of ventilation systems must have MERV 13 § 150.0(m)12: or equivalent filters. Filters for space conditioning systems must have a two inch depth or can be one inch if sized per Equation 150.0-A. Clean-filter pressure drop and labeling must meet the requirements in §150.0(m)12. Filters must be accessible for regular service. Filter racks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to and prevents air from bypassing the club of the second seco



Registration Number: 223-P010030398A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

DOCUDATA		
	TATION AUTHOR'S DECLARATION STATEMENT	
	hat this Certificate of Compliance documentation is accurat	e
	ion Author Name:	
Yvonne	St Pierre	
Company:		
Design F	Path Studio	
Address:		-
PO Box	230165	
City/State/Zi	p:	-
Encinita	s, CA 92023	
PERPONEIP		
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	BLE PERSON'S DECLARATION STATEMENT	
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Registration Provider responsibility for the accuracy of the information.

Registration Number: 223-P010030398A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2022 Residential Compliance





5/6/22

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NTIAL PER	FORMAN	NCE COMPL	ANCE		Calculation Input File N				19:51:5	1-07:00			CF1R-PRF-01E (Page 10 of 13)		
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	Calculation Date/Time: 2023-03-13T19:51:51-07:00	(Page 13 of 13)
ysis	Input File Name: 0Studio.ribd22x	
ON STATEMENT		
nce documentation is accurate and complete.		
	Documentation Author Signature: <i>Yvonne St Pierre</i>	
	Signature Date: 2023-03-13 20:02:24	
	CEA/ HERS Certification Identification (If applicable):	
	Phone: 619-292-8807	
ATEMENT		
d performance specifications identified on this Certificate of	he building design identified on this Certificate of Compliance. Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Co ce are consistent with the information provided on other applicable compliance documen is building permit application.	
<b>L</b> aice	Responsible Designer Signature: Yvonne St Pierre	
HERSI	Date Signed: 2023-03-13 20:02:24	
	License:	

HERS Provider:

Report Generated: 2023-03-13 19:52:29

CalCERTS inc.

C 34789 Phone: 619-292-8807



Report Generated: 2023-03-13 19:52:29

CalCERTS inc.

HERS Provider:

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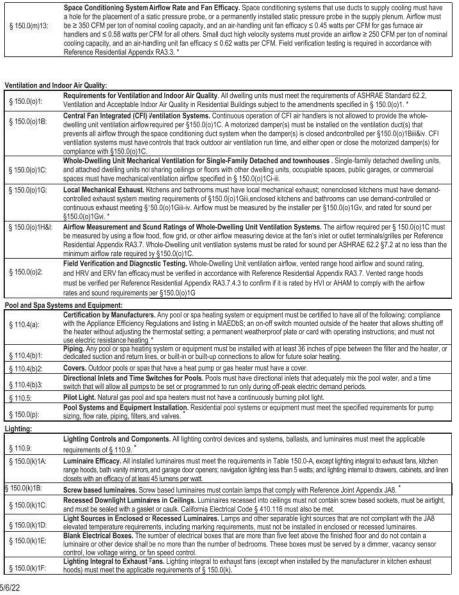
Registration Date/Time:

2023-03-13 20:02:24

2022 Single-Family Residential Mandatory Requirements Summary

Report Version: 2022.0.000

Schema Version: rev 20220901



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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 TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF PARADISE 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

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project

Town of Paradise Pre-Approved ADU Program

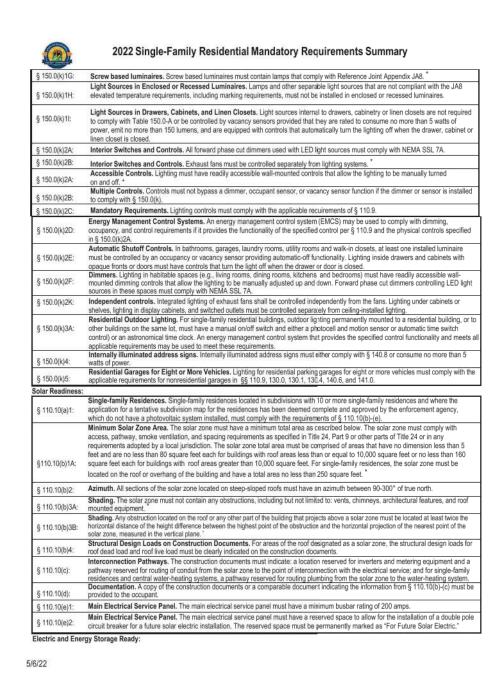
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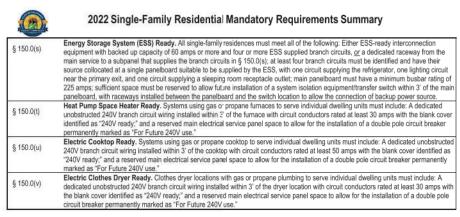


description

Energy Calculations Studio

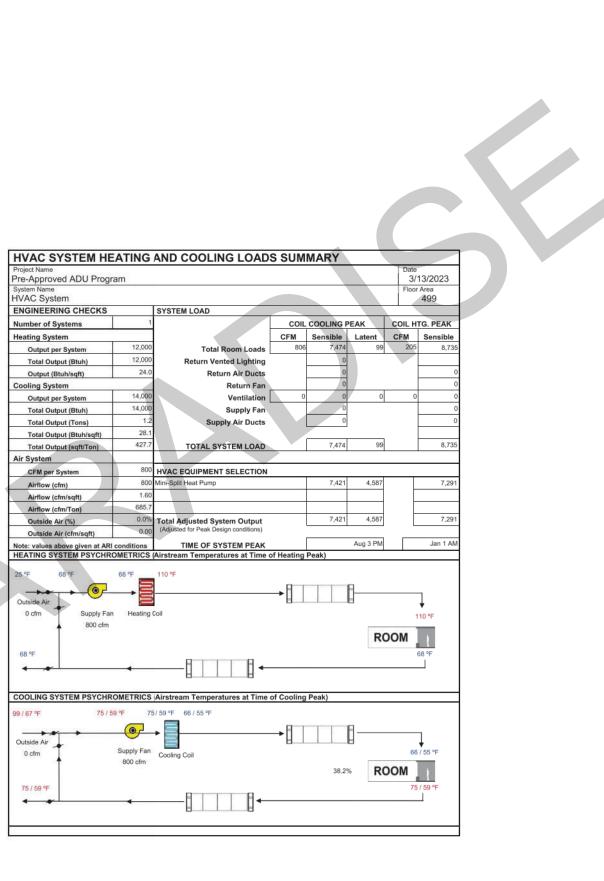
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\*Exceptions may apply.

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project

Town of Paradise Pre-Approved ADU Program

revisions



description

Energy Calculations Studio

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