

# Accessory Dwelling Unit 2 Bedroom 2 Bath Plan - 800 s.f. County of Orange, CA

(FOR USE IN THE UNINCORPORATED COUNTY OF ORANGE)

## APPLICANT AGREEMENT

APPLICANT AGREES TO PROVIDE ALL NECESSARY INFORMATION REQUIRED TO COMPLETE THESE CONSTRUCTION DOCUMENTS. MODIFICATIONS TO THE PERMIT READY DOCUMENTS PROVIDED BY DESIGN PATH STUDIO ARE TO BE DISCLOSED BY THE APPLICANT AND APPROVED BY THE AUTHORITY HAVING JURISDICTION. ANY MODIFICATIONS TO THESE CONSTRUCTION DOCUMENTS REQUIRES EACH SHEET TO BE SIGNED BY THE PERSON WHO MADE THE CHANGES. ANY ADDITIONAL SHEETS INCORPORATED INTO THESE DOCUMENTS ALSO REQUIRES A SIGNATURE BY THE PERSON WHO PREPARED THE INFORMATION. THE FOUNDATION DESIGN FOR THESE PERMIT READY CONSTRUCTION DOCUMENTS ASSUMES STANDARD SOILS CONDITIONS AND LEVEL TOPOGRAPHY. IF SITE SPECIFIC CONDITIONS REQUIRE A FOUNDATION DESIGN BEYOND WHAT IS PROVIDED IN THESE DOCUMENTS THEN THE APPLICANT IS TO PROVIDE A NEW FOUNDATION DESIGN WHICH COMPLIES WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER'S REPORT.

BY SIGNING BELOW THE APPLICANT AGREES TO AND AFFIRMS ALL STATEMENTS INCLUDED HEREIN AND WILL COMPLY WITH ALL LOCAL CODE REQUIREMENTS.

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

## EMERGENCY CONTACT

INCASE OF EMERGENCY CALL:  
NAME: \_\_\_\_\_  
WORK PHONE: \_\_\_\_\_  
HOME PHONE: \_\_\_\_\_  
CELL PHONE: \_\_\_\_\_

## 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 CF2R FORM. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE CF2R FORMS ARE REVIEWED AND APPROVED.

2. PROPERLY COMPLETED & ELECTRONICALLY SIGNED & 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. CF2R REGISTRATION FORMS ARE LOCATED ON THE PLANS. A WATER-MARK AND REGISTRATION NUMBER WILL BE VISIBLE.

4. HERS TESTS REQUIRED FOR THIS PROJECT ARE:  
QUALITY INSULATION INSTALLATION (QI), 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 FT<sup>2</sup> (SC3.4.5, DUCTLESS INDOOR UNITS LOCATED ENTIRELY IN CONDITIONED SPACE (SC3.1.4.1.8))  
KITCHEN RANGE HOOD CFM VERIFICATION(100 CFM & <= 3 SONES, CEC LISTED)  
IAQ MECHANICAL VENTILATION - STUDIO-26, 1BED-32 CFM, 2BED1BATH-45 CFM, 2BED2BATH-46 CFM, 3BEDA-59 CFM, 3BED-66 CFM  
5. FOR IAQ FAN - ABOVE CFM REQUIRED FOR A CONTINUOUSLY OPERATING EXHAUST FAN.  
6. PROVIDE A TIMER SWITCH WITH A MANUAL OFF AND A SOUND RATING OF 1 SONE (3 SONES MAX FOR AN INTERMITTENT FAN). THIS FAN TO PROVIDE WHOLE BUILDING INDOOR AIR QUALITY VENTILATION WITH OUTDOOR AIR IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADOPTED BY THE CALIFORNIA ENERGY COMMISSION.

7. SOLAR:  
STUDIO - 1.4kWdc APPROXIMATE BASED ON INITIAL REPORTS  
1 BEDROOM - 1.4kWdc APPROXIMATE BASED ON INITIAL REPORTS  
2 BED 1 BATH - 2.0kWdc APPROXIMATE BASED ON INITIAL REPORTS  
2 BED 2 BATH - 2.1kWdc APPROXIMATE BASED ON INITIAL REPORTS  
3 BED A - 2.4kWdc APPROXIMATE BASED ON INITIAL REPORTS  
3 BED B - 2.4kWdc APPROXIMATE BASED ON INITIAL REPORTS  
8. SPECIAL FEATURES: PV EXEMPTION 2. NO PV REQUIRED WHEN MINIMUM PV SIZE < 1.8 KWDC (SECTION 150.1(C)14) PV EXEMPTION BASED IN UPDATED ENERGY CALCULATIONS WITH SITE SPECIFIC INFORMATION.  
9. AIRABLE CAPACITY HEAT PUMP COMPLIANCE OPTION (VERIFICATION DETAILS FROM VCHP STAFF REPORT, APPENDIX B, AND RA3)  
10. NORTHWEST ENERGY EFFICIENCY ALLIANCE (NEEA) RATED HEAT PUMP WATER HEATER; SPECIFIC BRAND/MODEL, OR EQUIVALENT, MUST BE INSTALLED

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 COUNTY OF ORANGE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF ORANGE 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 AND AGAINST ALL CLAIMS, SUITS, LIABILITIES, 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 INDIRECT, 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.

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G0.2	GENERAL NOTES
G0.3	GENERAL NOTES
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CONTACT LOCAL UTILITY COMPANIES REGARDING GAS AND ELECTRIC SERVICES TO THIS DETACHED ADU. SEE EXAMPLE SITE PLAN, SHEET AS.2, FOR MORE INFORMATION. ADUs MAY BE SUBJECT TO IMPACT FEES, INCLUDING , BUT NOT LIMITED TO SCHOOL, ROAD, AND PARK FEES. ADUs SHALL NOT BE USED FOR ANY SHORT TERM RENTALS: ADUs CAN BE RENTED/LEASED FOR MONTHLY OR YEARLY PERIODS ONLY OR AS REQUIRED BY STATE AND LOCAL LAWS.

## ZONING INFORMATION

CONTACT THE COUNTY OF ORANGE FOR THE INFORMATION BELOW  
<https://myocservices.ocgov.com/> PHONE:(714)573-6100

ZONING : \_\_\_\_\_  
OVERLAY : \_\_\_\_\_  
SCHOOL DISTRICT: \_\_\_\_\_  
LOT SIZE : \_\_\_\_\_  
EXISTING HABITABLE SQ. FT. : \_\_\_\_\_  
EXISTING FAR : \_\_\_\_\_  
MAX. ALLOWABLE FAR : \_\_\_\_\_  
PROPOSED FAR : \_\_\_\_\_  
FLOOR AREA OF GARAGE: \_\_\_\_\_  
EXISTING LOT COVERAGE: \_\_\_\_\_  
ALLOWABLE LOT COVERAGE : \_\_\_\_\_  
PROPOSED LOT COVERAGE : \_\_\_\_\_  
LOT SLOPE : \_\_\_\_\_  
ADU SETBACKS FROM PROPERTY LINE:  
ALLOWED : FRONT- \_\_\_\_\_ PROPOSED : FRONT- \_\_\_\_\_  
REAR- \_\_\_\_\_ REAR- \_\_\_\_\_  
SIDE- \_\_\_\_\_ SIDE- \_\_\_\_\_  
STREET SIDE- \_\_\_\_\_ STREET SIDE- \_\_\_\_\_  
ADU SETBACKS FROM MAIN RESIDENCE:  
ALLOWED : \_\_\_\_\_ PROPOSED : \_\_\_\_\_  
OFF STREET PARKING REQUIRED: \_\_\_\_\_ PROVIDED: \_\_\_\_\_

## DIRECTORY

SITE PLAN & TITLE SHEET INFORMATION PREPARED BY:  
COMPANY \_\_\_\_\_  
CONTACT PERSON \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY STATE ZIP \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_  
PROPERTY OWNER:  
NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY STATE ZIP \_\_\_\_\_  
PHONE: \_\_\_\_\_  
EMAIL: \_\_\_\_\_  
BUILDING DEPARTMENT:  
ORANGE COUNTY PUBLIC WORKS  
601 N. ROSS ST.  
SANTA ANA, CA 92701  
P. (714)667-8800

## VICINITY MAP

PROVIDED BY OWNER

## BUILDING INFORMATION

GOVERNING CODES: APPROVAL OF THIS PROJECT SHALL COMPLY WITH THE 2022 CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL CODE (CRC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA ELECTRICAL CODE (CEC), CALIFORNIA ENERGY CODE (CEC), CALIFORNIA GREEN BUILDING CODE (CGBC) AND THE COUNTY OF ORANGE MUNICIPAL CODE.

SITE ADDRESS: \_\_\_\_\_

ADU ADDRESS ASSIGNED BY ORANGE COUNTY: \_\_\_\_\_

GOVERNING AGENCY: COUNTY OF ORANGE, CA.  
OCCUPANCY GROUP: R3  
STORIES: 1  
TYPE OF CONSTRUCTION: VB

## PROJECT DESCRIPTION

NEW CONSTRUCTION OF A ONE STORY, 2 BEDROOM, 2 BATH, DETACHED 800 S.F. ACCESSORY DWELLING UNIT WITH PORCH AREAS USED BELOW:  
CRAFTSMAN PORCH: 129 S.F.  
RANCH PORCH: 129 S.F.  
SPANISH PORCH: 129 S.F.

## LEGAL DESCRIPTION

## APN

## REQUIRED SUPPLEMENTAL INFORMATION - TO BE COMPLETED BY OWNER

### additional plan information provided by applicant:

- COMPLETED
- TITLE SHEET (T1-1) INFORMATION FILLED OUT
- FILL OUT TITLEBLOCK WITH OWNER NAME, ADDRESS, APN, AND LEGAL DESCRIPTION ON EACH SHEET
- SITE PLAN SHEET (AS.2) PROVIDED IN PLAN SET FOR CITY REVIEW
- UPDATED TITLE 24 ENERGY CALCULATION REPORT WITH CORRECT NAME, ADDRESS, AND EXACT ORIENTATION FOR SITE SPECIFIC CONDITIONS. OWNER MAY CONTACT THE ENTITY WHO PREPARED THE ORIGINAL REPORT (SHOWN ON T24.1) TO OBTAIN UPDATES TO THE REPORT.
- CONSTRUCTION AND DEMOLITION FORM
- HOLD HARMLESS AGREEMENT
- PHOTOVOLTAIC SYSTEM - THE PV SYSTEM MUST BE INSTALLED, OPERATIONAL AND FINAL PRIOR TO FINAL BUILDING INSPECTION AND APPROVAL FOR THE ADU. (WHEN REQUIRED) IF THERE IS AN EXISTING PHOTOVOLTAIC SYSTEM OF SUFFICIENT SIZE ON THE MAIN HOUSE TO ACCOMMODATE THE NEW ADU THEN HOMEOWNER IS TO PROVIDE A REPORT STATING THE EXISTING SIZE OF THE PV PANEL
- MEP PERMIT REQUIRED FOR ADUS OVER 500SF

### exterior style selection:

- SELECTION - SEE SHEET T1.2 FOR EXTERIOR RENDERING
- CRAFTSMAN
- RANCH
- SPANISH

### exterior wall material:

- SELECTION(S)
- STUCCO / COLOR \_\_\_\_\_
- STONE VENEER / COLOR \_\_\_\_\_
- FIBER CEMENT - SIDING / COLOR \_\_\_\_\_
- WOOD SIDING / COLOR \_\_\_\_\_
- OTHER \_\_\_\_\_

### deferred submittals - separate permit to be obtained by applicant:

- TO BE COMPLETED
- FIRE SPRINKLERS (WHEN REQUIRED)

### roof material:

- SELECTION
- ROOF COLOR OF PRINCIPAL DWELLING UNIT (ROOF COLOR OF ADU IS TO MATCH PRINCIPAL DWELLING UNIT)
- TRIM COLOR OF PRINCIPAL DWELLING (TRIM COLOR OF ADU TO MATCH PRINCIPAL DWELLING UNIT TRIM)
- CONCRETE TILE ROOF - EAGLE ROOF PRODUCTS INC. - IAMPO UES-ER 1900 MINIMUM 2-1/2" ROOF SLOPE. COLOR OF CONCRETE TILE ROOF: \_\_\_\_\_
- FIRE RATED DETAILS ABOVE ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE (VHFS2) OR WHEN WALLS AND ROOF EAVES ARE LESS THAN 5 FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3 FT FROM PROPERTY LINE IN SPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ABOVE ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 FT FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILDING OR LESS THAN 6 FT FROM THE MAIN DWELLING UNIT IN A SPRINKLERED BUILDING.
- ARCHITECTURAL GRADE SHINGLE - CERTAINTED - ICC-ES ESR-3537 MINIMUM 2-1/2" ROOF SLOPE. COLOR OF ARCHITECTURAL GRADE SHINGLES: \_\_\_\_\_
- OTHER ROOF MATERIAL / COLOR / ICC / UL: \_\_\_\_\_

### lot size and impervious area:

Total Lot Size = \_\_\_\_\_  
(Existing building footprint, patios, decks, hardscape, etc.)  
Total Area of Existing Impervious Surfaces = \_\_\_\_\_  
(Existing building footprint, patios, decks, hardscape, etc.)  
Total Area of New Impervious Surfaces = \_\_\_\_\_  
(Increase to building footprint, patios, decks, hardscape, etc.)  
Total Area of Replaced Impervious Surfaces = \_\_\_\_\_  
(Replacement to building footprint, patios, decks, hardscape, etc.)

### fire sprinkler information:

- SELECTION
- EXISTING RESIDENCE CURRENTLY HAS FIRE SPRINKLERS
- EXISTING RESIDENCE DOES NOT CURRENTLY HAVE FIRE SPRINKLERS
- PROPERTY IS LOCATED IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE
- PROPERTY IS NOT LOCATED IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE (VHFS2)
- NEW ADU IS REQUIRED TO HAVE FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE SPRINKLERS OR IS LOCATED IN VHFS2. SEE NOTES ON AD.1 AND FIRE RATED DETAIL CHECKLIST ON THIS SHEET

### fire rated details:

- SELECTION
- ROOF EAVE DETAIL 1,2,3,5,6,7/A,5,2
- WALL FINISH DETAIL 9B,12B,15B/A,5,1
- FIRE RATED DETAILS ABOVE ARE TO BE USED WHEN THE PROPERTY IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE (VHFS2) OR WHEN WALLS AND ROOF EAVES ARE LESS THAN 5 FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3 FT FROM PROPERTY LINE IN SPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). FIRE RATED DETAILS ABOVE ARE ALSO TO BE USED WHEN THE ADU IS LESS THAN 10 FT FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILDING OR LESS THAN 6 FT FROM THE MAIN DWELLING UNIT IN A SPRINKLERED BUILDING.

### window and trim color:

- SELECTION
- WINDOW COLOR OF PRINCIPAL DWELLING UNIT (WINDOW COLOR SELECTION BELOW FOR THE ADU IS TO MATCH PRINCIPAL DWELLING UNIT WINDOW COLOR)
- WHITE
- TAN
- DARK BRONZE
- OTHER WINDOW COLOR \_\_\_\_\_

### sewer waste water information:

- SELECTION
- ADU TO HAVE NEW CONNECTION TO CITY SEWER MAIN
- ADU TO CONNECT TO EXISTING RESIDENCE SEWER LATERAL IF EXISTING HOUSE HAS FOUR OR MORE TOILETS WITH AN EXISTING 3 INCH SEWER DRAIN, A SEPARATE CONNECTION TO THE CITY SEWER MAIN IS REQUIRED FOR THE NEW ADU. REFER TO CURRENT CPC SECTION 703.2 FOR PIPE SIZING REQUIREMENTS. SHOW LOCATION AND SIZE OF EXISTING MAIN HOUSE SEWER LINE. 2% SLOPE REQUIRED FOR ALL NEW SEWER LINES. LIST NUMBER OF BATHROOMS IN EXISTING HOME
- SEPTIC - REQUIRES REGIONAL WATER BOARD APPROVAL NEW SEPTIC TANKS WILL REQUIRE SEPARATE PLUMBING PERMIT AND SOILS REPORT.
- DISTANCE TO CONNECTION: \_\_\_\_\_

### electrical service information:

- SELECTION
- UPGRADED SERVICE
- EXISTING SERVICE TO REMAIN
- NEW SERVICE
- SIZE OF EXISTING SERVICE \_\_\_\_\_ SIZE OF NEW SERVICE \_\_\_\_\_

### gas service information:

- SELECTION
- UPGRADED SERVICE
- EXISTING SERVICE TO REMAIN
- NEW SERVICE
- SIZE OF EXISTING SERVICE \_\_\_\_\_ SIZE OF NEW SERVICE \_\_\_\_\_

### off site work

- SELECTION
- NO
- YES
- IF YES, AN ENCROACHMENT PERMIT WILL BE REQUIRED FROM OC PUBLIC WORKS

### EXAMPLE GAS PIPE DIAGRAM

TO BE UPDATED FOR SITE SPECIFIC CONDITIONS

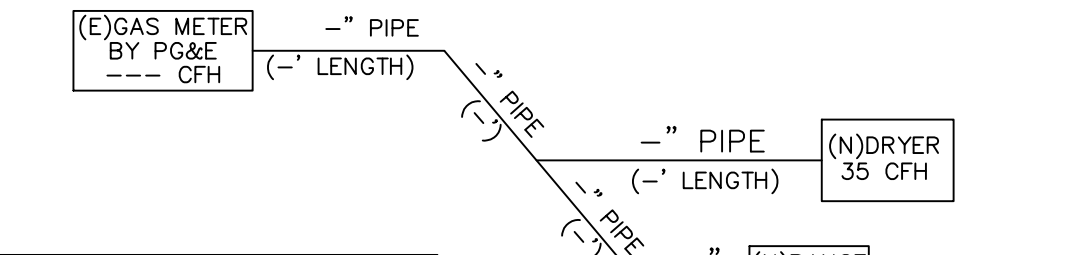
NOTE: EXISTING GAS SERVICE AND METER SIZE TO BE PROVIDED BY HOMEOWNER AND UPDATED ISOMETRIC LAYOUT PROVIDED BY DESIGNER OF CHOICE. CFH & BTUS PROVIDED AS SUGGESTED. GAS PIPES BELOW GRADE SHALL BE POLYETHYLENE.

CEC TABLES FOR SIZING GAS PIPING SYSTEMS  
TABLE 1218.2(1) THROUGH TABLE 1218.2(30) SHALL BE USED TO SIZE GAS PIPING IN CONJUNCTION WITH ONE OF THE METHODS DESCRIBED IN SECTION 1218.1.1 THROUGH SECTION 1218.1.3

ALLOWABLE GAS PIPING MATERIALS ABOVE GRADE:  
1208.6.3 METALLIC PIPE - CAST-IRON PIPE SHALL NOT BE USED.  
1208.6.3.1 STEEL AND WROUGHT-IRON PIPE  
1208.6.3.2 COPPER AND COPPER ALLOY PIPE  
1208.6.3.3 ALUMINUM ALLOY PIPE

1208.6.4 METALLIC TUBING - SEAMLESS COPPER, ALUMINUM ALLOY, OR STEEL TUBING SHALL NOT BE USED WITH GASES CORROSIVE TO SUCH MATERIAL.  
1208.6.4.1 STEEL TUBING  
1208.6.4.2 COPPER AND COPPER ALLOY TUBING  
1208.6.4.3 ALUMINUM ALLOY TUBING  
1208.6.4.4 CORRUGATED STAINLESS STEEL TUBING

1210.1.7 PLASTIC PIPING  
PLASTIC PIPING SHALL BE INSTALLED OUTDOORS, UNDERGROUND ONLY.



GAS CALCULATIONS			
APPLIANCE	QTY	CFH	TOTAL CFH
(NEW) DRYER	1	35	35
(NEW) OVEN & RANGE	1	65	65
(NEW) WATER HEATER	1	199	199
TOTAL GAS LOAD FOR HOUSEHOLD APPLIANCES = 299,000 BTU/h 299 CFH			
USE OF PROPANE TANKS REQUIRE OCEFA APPROVAL.			

SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE COUNTY OF ORANGE BUILDING INSPECTOR

project  
County of Orange  
Pre-Approved  
ADU Program

OWNER NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
APN: \_\_\_\_\_  
LEGAL DESCRIPTION: \_\_\_\_\_

- revisions
- △
- △
- △

description  
Title Sheet  
2 Bedroom  
2 Bath

date 2024

project no. \_\_\_\_\_

drawn by DESIGN PATH STUDIO

sheet no. T1.1

CRAFTSMAN

RANCH

SPANISH



2 Bedroom/2 Bath - Craftsman view #1



2 Bedroom/2 Bath - Ranch view #1



2 Bedroom/2 Bath - Spanish view #1



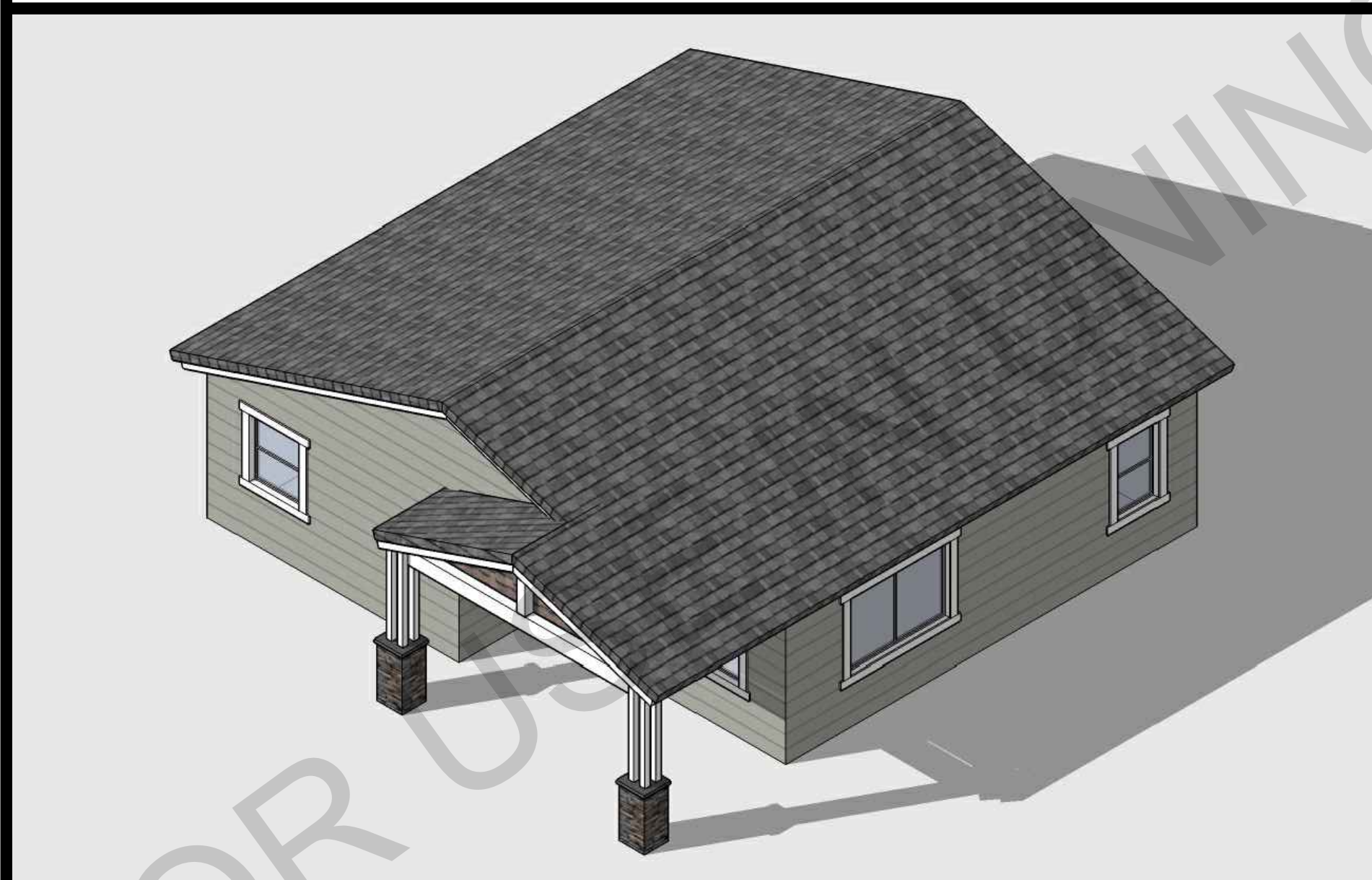
2 Bedroom/2 Bath - Craftsman view #2



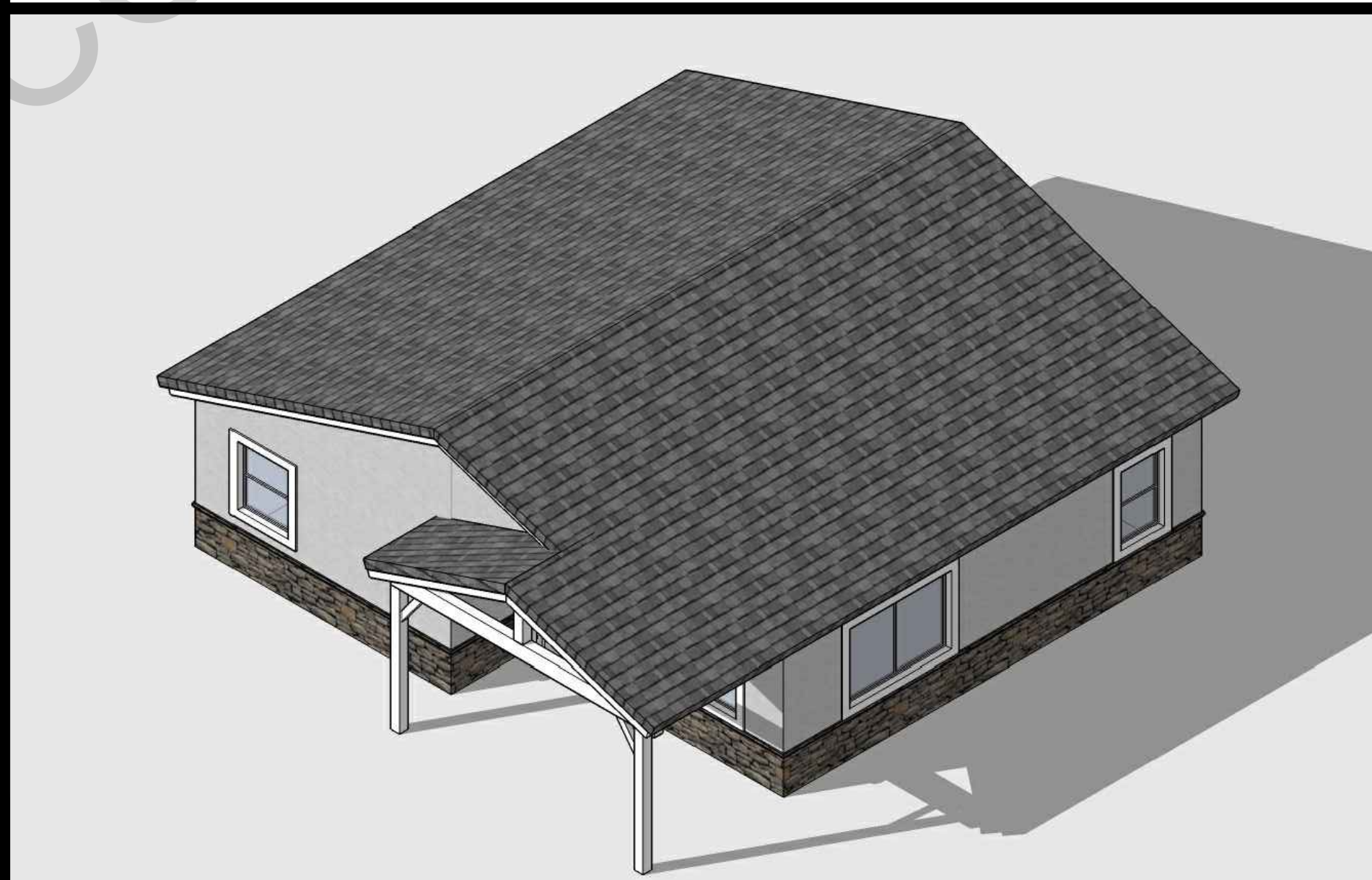
2 Bedroom/2 Bath - Ranch view #2



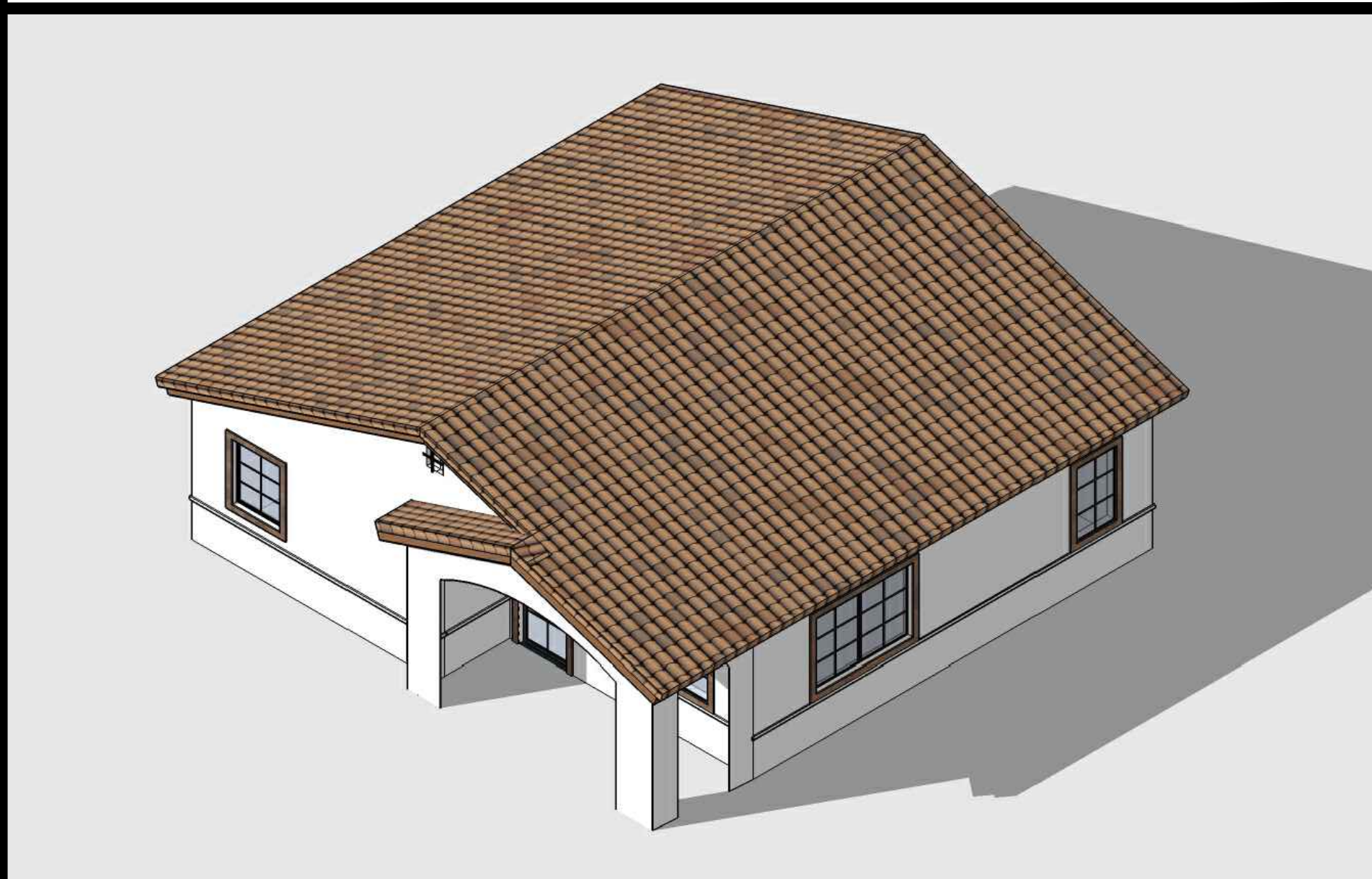
2 Bedroom/2 Bath - Spanish view #2



2 Bedroom/2 Bath - Craftsman view #3



2 Bedroom/2 Bath - Ranch view #3



2 Bedroom/2 Bath - Spanish view #3

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project  
County of Orange  
Pre-Approved  
ADU Program

OWNER NAME:  
ADDRESS:  
APN:  
LEGAL DESCRIPTION:

revisions  
△  
△  
△

description  
Exterior  
Style Option:  
Select one option

date 2024

project no.

drawn by DESIGN PATH STUDIO

sheet no. T1.2

3.2 Minimum Site BMP Requirements

The following requirements are for deployment of selected construction BMPs and apply year-round (not just during the rainy season) to all projects.

- A. Pollution prevention where appropriate.
- B. Development and implementation of a site specific run-off management plan.
- C. Minimization of areas that are cleared and graded to only the portion of the site that is necessary for construction.
- D. Minimization of exposure time of disturbed soil areas.
- E. Minimization of grading during the wet season and correlation of grading with seasonal dry weather periods to the extent feasible.
- F. Limitation of grading to a maximum disturbed area as determined by the County / city before either temporary or permanent erosion controls are implemented to prevent stormwater pollution. The County / city has the option of temporarily increasing the size of disturbed soil areas by a set amount beyond the maximum, if the individual site is in compliance with applicable stormwater regulations and the site has adequate control practices implemented to prevent stormwater pollution.
- G. Temporary stabilization and reseeded of disturbed soil areas as rapidly as feasible.
- H. Non-stormwater management measures to prevent illicit discharges and control stormwater pollution sources.
- I. Erosion Control BMPs shall be implemented.
- J. Wind erosion control BMPs (dust control) shall be implemented.
- K. Sediment control BMPs shall be implemented at all appropriate locations along the site perimeter, at all operational storm drain inlets and at all non-active slopes.
- L. Tracking control BMPs to control off-site sediment tracking shall be implemented and maintained.
- M. Waste management and materials pollution control BMPs shall be implemented to prevent the contamination of stormwater by construction wastes and materials.
- N. Non-stormwater BMPs shall be implemented to reduce or prevent the contamination of stormwater from construction activities.
- O. Weather tracking: projects shall monitor the National Weather Service ([www.weather.gov](http://www.weather.gov)) probability of precipitation. When a rain event is predicted (forecast predicts a greater than 50% probability of precipitation), the project must be inspected and BMPs must be maintained or deployed as needed to protect the project from discharging pollutants. (CGP projects only)
- P. BMP failures must be repaired or replaced with an acceptable alternate as soon as it is safe to do so. Repairs or replacements must result in an adequate BMP, or additional BMPs should be installed to provide adequate protection.

EXISTING SWIMMING POOL REQUIREMENTS

WHEN A BUILDING PERMIT IS ISSUED FOR THE CONSTRUCTION OF A NEW SWIMMING POOL OR SPA OR THE REMODELING OF AN EXISTING SWIMMING POOL OR SPA AT A PRIVATE SINGLE-FAMILY HOME, THE RESPECTIVE SWIMMING POOL OR SPA SHALL BE EQUIPPED WITH AT LEAST TWO OF THE FOLLOWING SEVEN DROWNING PREVENTION SAFETY FEATURES:

- (1) AN ENCLOSURE THAT MEETS THE REQUIREMENTS OF SECTION 115923 AND ISOLATES THE SWIMMING POOL OR SPA FROM THE PRIVATE SINGLE-FAMILY HOME
- (2) REMOVABLE MESH FENCING THAT MEETS AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) SPECIFICATIONS F2286 STANDARDS IN CONJUNCTION WITH A GATE THAT IS SELF-CLOSING AND SELF-LATCHING AND CAN ACCOMMODATE A KEY LOCKABLE DEVICE.
- (3) AN APPROVED SAFETY POOL COVER, AS DEFINED IN SUBDIVISION (D) OF SECTION 115921.
- (4) EXIT ALARMS ON THE PRIVATE SINGLE-FAMILY HOME'S DOORS THAT PROVIDE DIRECT ACCESS TO THE SWIMMING POOL OR SPA. THE EXIT ALARM MAY CAUSE EITHER AN ALARM NOISE OR A VERBAL WARNING, SUCH AS A REPEATING NOTIFICATION THAT "THE DOOR TO THE POOL IS OPEN."
- (5) A SELF-CLOSING, SELF-LATCHING DEVICE WITH A RELEASE MECHANISM PLACED NO LOWER THAN 54 INCHES ABOVE THE FLOOR ON THE PRIVATE SINGLE-FAMILY HOME'S DOORS PROVIDING DIRECT ACCESS TO THE SWIMMING POOL OR SPA.
- (6) AN ALARM THAT, WHEN PLACED IN A SWIMMING POOL OR SPA, WILL SOUND UPON DETECTION OF ACCIDENTAL OR UNAUTHORIZED ENTRANCE INTO THE WATER. THE ALARM SHALL MEET AND BE INDEPENDENTLY CERTIFIED TO THE ASTM STANDARD F2208 "STANDARD SAFETY SPECIFICATION FOR RESIDENTIAL POOL ALARMS," WHICH INCLUDES SURFACE MOTION, PRESSURE, SONAR, LASER, AND INFRARED TYPE ALARMS. A SWIMMING PROTECTION ALARM FEATURE DESIGNED FOR INDIVIDUAL USE, INCLUDING AN ALARM ATTACHED TO A CHILD THAT SOUNDS WHEN THE CHILD EXCEEDS A CERTAIN DISTANCE OR BECOMES SUBMERGED IN WATER, IS NOT A QUALIFYING DROWNING PREVENTION SAFETY FEATURE.
- (7) OTHER MEANS OF PROTECTION, IF THE DEGREE OF PROTECTION AFFORDED IS EQUAL TO OR GREATER THAN THAT AFFORDED BY ANY OF THE FEATURES SET FORTH ABOVE AND HAS BEEN INDEPENDENTLY VERIFIED BY AN APPROVED TESTING LABORATORY AS MEETING STANDARDS FOR THOSE FEATURES ESTABLISHED BY THE ASTM OR THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME).
- (8) 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.

FIRE NOTES

1. NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM 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.
2. ALL FIRE APPARATUS ROADS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED VERTICAL CLEARANCE OF NO LESS THAN 13 FEET 6 INCHES.
3. SITE PLAN SHALL PROVIDE DIMENSIONS SHOWING REQUIRED FIRE APPARATUS ACCESS ROADS. FIRE ACCESS ROADWAYS SHALL HAVE AN UNOBSTRUCTED IMPROVED WIDTH OF NOT LESS THAN 24 FEET. EXCEPTIONS: 1. RESIDENTIAL DWELLINGS NOT IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE SHALL HAVE A MINIMUM OF 20 FEET OF UNOBSTRUCTED IMPROVED WIDTH. 2. SINGLE-FAMILY RESIDENTIAL DRIVEWAYS SERVING NO MORE THAN TWO SINGLE-FAMILY DWELLING SHALL HAVE A MINIMUM OF 16 FEET OF UNOBSTRUCTED IMPROVED WIDTH.

GENERAL NOTES

1. SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS AND NOTES NOT SHOWN.
2. SEE BUILDING PLANS AND SCHEDULES FOR ALL EXTERIOR DOOR AND WINDOW REFERENCES AND LOCATIONS.
3. YARD SETBACKS ARE TO BE MEASURED FROM THE EXTERIOR WALL FINISH TO THE PROPERTY LINE AND NOT FROM THE OUTSIDE OF THE FOOTING (OR FACE OF STUDS). THE PLANS MUST BE DESIGNED WITH THE WALL FINISH THICKNESS (I.E. 7/8" STUCCO, ETC.) ADDED TO THE PLAN FOR THE SETBACK MEASUREMENT. THE FIELD INSPECTOR WILL ADD THE PLANNED WALL FINISH THICKNESS TO THE FOUNDATION SETBACK.
4. NEW ELECTRIC SERVICE IS TO BE LOCATED - POOLS, SPAS, WALLS, FENCES, PATIO COVERS AND OTHER FREESTANDING STRUCTURES REQUIRE SEPARATE REVIEWS AND PERMITS.
5. LANDSCAPE AND IRRIGATION WATER USE SHALL HAVE WEATHER OR SOIL BASED CONTROLS.
6. ADU WILL BE CONNECTED TO THE PUBLIC SEWER SYSTEM OR WILL PROVIDE A COMPLYING SEPTIC SYSTEM.
7. CAL-OSHA PERMIT IS REQUIRED FOR EXCAVATIONS DEEPER THAN 5' AND SHORING AND UNDERPINNING.
8. 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.
9. IF A GRADING PLAN IS REQUIRED, INCORPORATE THE ENTIRE APPROVED GRADING PLAN IMPROVEMENT PLAN (ALL SHEETS) WITH THE BUILDING PLANS.
10. PROJECTIONS, INCLUDING EAVES, MUST BE AT LEAST 24" FROM PROPERTY LINES.

- Q. Active exposed areas: Sufficient materials needed to install standby erosion and sediment control BMPs necessary to protect all active exposed areas from erosion and to reduce or prevent sediment discharges shall be stored on site. The total active exposed area shall not exceed that which can be adequately protected by deploying standby erosion control and sediment control BMPs prior to a predicted rain event.
- R. Inactive exposed areas: All exposed areas not being actively worked in shall be protected from erosion with temporary or permanent BMPs (erosion and sediment control). The ability to deploy standby BMP materials is not sufficient for these areas; erosion and sediment control BMPs must actually be deployed.
- S. Completed areas: Areas that have already been protected from erosion using permanent erosion control BMPs (physical or vegetation) are not considered "exposed". Deployment of permanent erosion control BMPs should commence as soon as practical on completed areas.
- T. Preservation of natural hydrologic features where feasible.
- U. Preservation of riparian buffers and corridors where feasible.
- V. Evaluation and maintenance of all BMPs, until removed.
- W. Retention, reduction, and proper management of all stormwater pollutant discharges on site to the Maximum Extent Practicable (MEP) standard.

NPDES NOTES

2. SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING STRUCTURAL CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE.
3. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
4. APPROPRIATE BMP'S FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS SHALL BE IMPLEMENTED TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
5. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITES UNLESS TREATED TO REDUCE OR REMOVE SEDIMENT AND OTHER POLLUTANTS.
6. ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
7. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR RECYCLE BINS.
8. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORMWATER ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.
9. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING AND SUPER CHLORINATED POTABLE WATER LINE FLUSHING. DURING CONSTRUCTION, PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
10. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
11. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
12. THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS SITUATION.
13. THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
14. THE PERMITTEE SHALL NOTIFY ALL GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESSEES, AND PROPERTY OWNERS: THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
15. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
16. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
17. SEDIMENTS FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE, AND STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
18. APPROPRIATE BMPs FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.

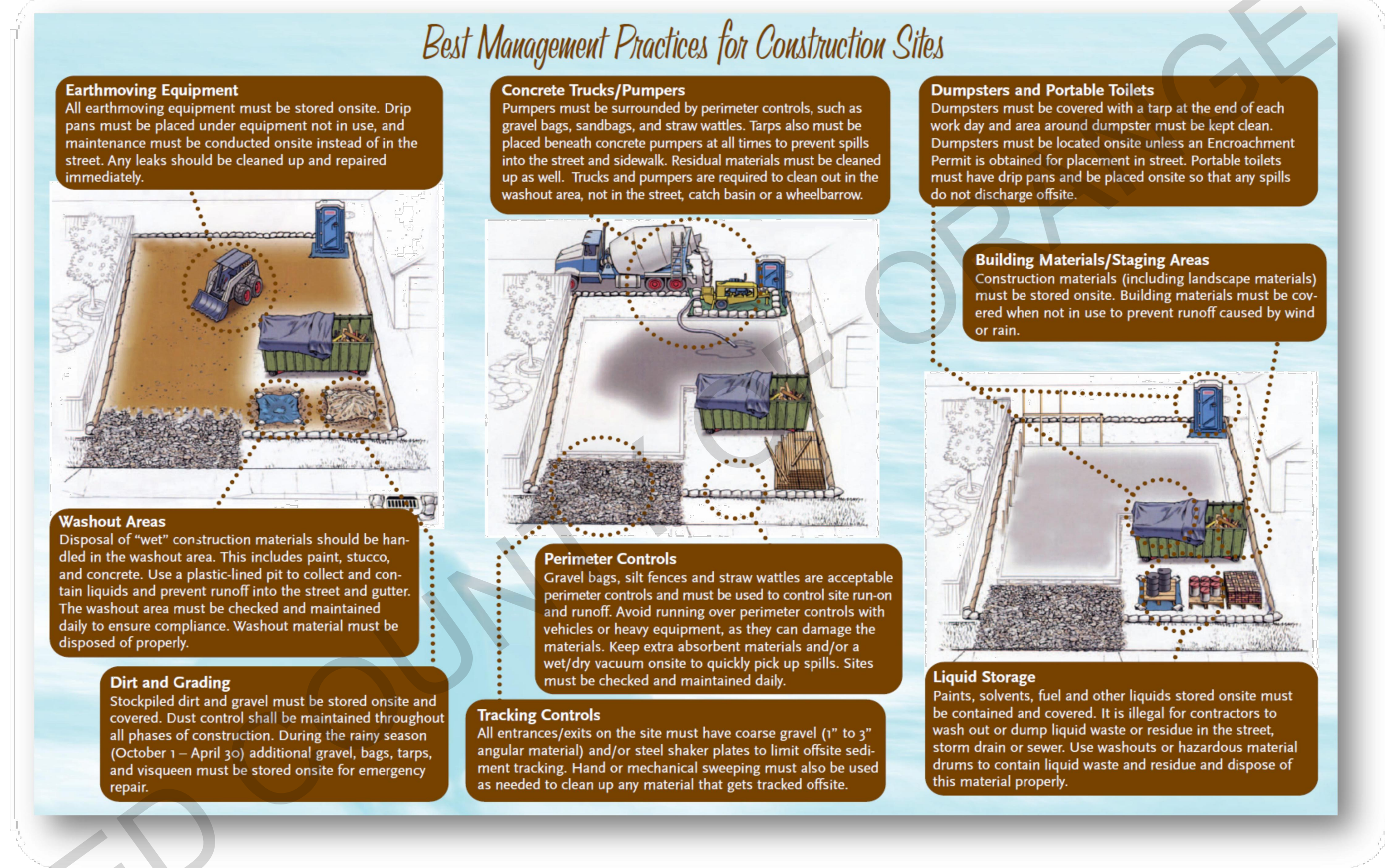
GREEN BUILDING CODE NOTES

1. SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE PROVIDED AND APPROVED BY THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPT.
2. 65% OF CONSTRUCTION WASTE IS TO BE RECYCLED.
3. VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION 4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR: ADHESIVES, PAINTS AND COATINGS, CARPET AND COMPOSITION WOOD PRODUCTS.
4. INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING SHALL BE USED.
5. MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 10% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE OF THE LISTED METHODS LISTED IN CGC SECTION 4.503.3
6. PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED WITH THE APPROVED PLANS
7. LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS.

- EXISTING LEGAL LOTS THAT HAVE EASEMENTS ACCESS ROADWAYS LESS THAN 20 FEET WIDE THAT PROVIDE PRIMARY ACCESS TO OTHER LOTS SHALL RECORD A COVENANT GRANTING EASEMENT RIGHTS FOR EMERGENCY VEHICLE INGRESS AND EGRESS PURPOSES AND SHALL RELINQUISH RIGHTS TO BUILD ANY BUILDING, WALL, FENCE, OR OTHER STRUCTURE WITHIN 5 FEET OF THE EXISTING ACCESS EASEMENT.
- ALL DEAD END FIRE APPARATUS ACCESS ROADWAY IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AND APPROVED AREA FOR TURNING AROUND FIRE APPARATUS. ACCESS ROADS SERVING MORE THAN (4) FOUR DWELLING UNITS SHALL BE PROVIDED WITH A CUL-DE-SAC. THE MINIMUM UNOBSTRUCTED PAVED RADIUS WIDTH FOR A CUL-DE-SAC SHALL BE 36 FEET CURB LINE TO CURB LINE WITH NO PARKING. ALTERNATE TYPES OF TURN-AROUND (HAMMERHEADS, ETC.) MAY BE CONSIDERED BY THE FIRE MARSHAL AS NEEDED TO ACCOMPLISH THE INTENT OF THE FIRE CODE.

4. SECURITY GATES: AN AUTOMATIC GATE ACROSS A FIRE ACCESS ROADWAY OR DRIVEWAY SHALL BE EQUIPPED WITH AN APPROVED EMERGENCY KEY-OPERATED SWITCH OVERRIDING ALL COMMAND FUNCTIONS AND OPENING THE GATE. WHERE THIS SECTION REQUIRES AN APPROVED KEY-OPERATED SWITCH, IT MAY BE DUAL-KEYED OR EQUIPPED WITH DUAL SWITCHES PROVIDED TO FACILITATE ACCESS BY LAW ENFORCEMENT PERSONNEL. (CFC SECTION 503.6 AMENDMENT)
- ALL GATES PROVIDING ACCESS FROM A ROAD TO A DRIVEWAY SHALL BE LOCATED A MINIMUM OF 30 FEET FROM THE NEAREST EDGE OF THE ROADWAY AND SHALL BE AT LEAST TWO FEET WIDER THAN THE WIDTH OF THE TRAFFIC LANE(S) SERVING THE GATE

Figure 2: Typical Construction Site BMPs (Graphic provided by the City of San Clemente)



BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AGREES TO 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 COUNTY OF ORANGE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF ORANGE BUILDING DEPARTMENT. BUILDING CODES DO NOT 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, ADJUSTMENTS, 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  
County of Orange  
Pre-Approved  
ADU Program

OWNER NAME:

ADDRESS:

APN:

LEGAL DESCRIPTION:

revisions

- △
- △
- △

description

Site  
Information

date 2024

project no.

drawn by DESIGN PATH STUDIO

sheet no.

AS.1

**SITE INFORMATION CHECKLIST:**

- X TO BE INCLUDED ON SITE PLAN**
- ALL EXTERIOR SITE BOUNDARIES CORRECTLY SCALED AND DIMENSIONED
  - NORTH ARROW
  - SCALE OF PLANS, GRAPHIC AND WRITTEN
  - LEGEND OF SYMBOLS, LINES, ABBREVIATIONS, ETC. USED ON PLANS
  - SITE CONTOURS, GRADE ELEVATIONS, AND OTHER TOPOGRAPHIC FEATURES
  - LOCATION AND DIMENSION OF ALL DRIVEWAY, ACCESS ROADS, AND CURB CUTS
  - SHOW FIRE ACCESS ROADS / DRIVEWAY - MAX FIRE HOSE PULL OF 150 FT LENGTH
  - LOCATION AND DIMENSIONS OF ALL EASEMENTS (ELECTRIC, WATER, SEWER, ETC)
  - REQUIRED AND PROPOSED BUILDING SETBACKS
  - LOCATION OF EXISTING AND PROPOSED BUILDINGS AND STRUCTURES
  - ROOF OVERHANGS WITHIN 5' OF THE PROPERTY LINE ARE REQUIRED TO BE 1HR FIRE RATED. OPENINGS FOR VENTILATION ARE NOT ALLOWED SEE TABLE R302.1(1)
  - DISTANCE OF ALL STRUCTURES FROM EACH OTHER AND FROM PROPERTY LINES
  - LOCATION AND HEIGHT OF ALL FENCES AND RETAINING WALLS
  - LOCATION AND SIZE OF OFF-STREET PARKING
  - LOCATION OF EXISTING AND PROPOSED VEGETATION
  - LOCATION OF EXISTING AND PROPOSED UTILITIES TO NEW ADU
  - LOCATION OF EXISTING AND NEW UTILITIES (SEWER LATERAL, CLEANOUTS, GAS LINES, ELECTRICAL OVERHEAD, OR UNDERGROUND CONDUCTORS.)
  - NEW SEWER LATERAL SERVING THE NEW ADU IS TO COMPLY WITH CPC 311.1. SHOW LOCATION AND SIZE OF EXISTING MAIN HOUSE SEWERLINE AND NUMBER OF BATHROOMS 2% SLOPE REQUIRED FOR ALL NEW SEWER LINES.
  - 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
  - FLOOD ZONE
  - FIRE: NOT WITHIN FIRE HAZARD SENSITIVITY ZONE
  - TOPOGRAPHY / SLOPE OF LAND AROUND ADU DESIGNED TO DRAIN AWAY FROM ADU AND MAIN DWELLING UNIT. PROVIDE SITE DRAINAGE ON PLAN TO SHOW YARD AROUND FOUNDATION TO BE SLOPED AWAY FROM FOUNDATION WITH 5% SLOPE FOR A DISTANCE OF 10' (2% IF HARD SCAPE)
  - IF NO SITE PARKING PROPOSED, INCLUDE WALKING DISTANCE IN MILES TO NEAREST BUS STOP, ALONG WITH DIAGRAM SHOWING PATH OF TRAVEL
  - OBTAIN RECEIPT VERIFYING SCHOOL FEE PAYMENT OR WAIVER
  - OBTAIN NEW ADDRESS FOR ADU. UPDATE ALL SHEETS WITH NEW ADDRESS FOR ADU

KEYNOTES
1 LINE OF EXTERIOR WALL, TYP.
2 LINE OF ROOF OVERHANG / DECK / AWNING / STRUCTURE ABOVE
3 REQUIRED SETBACKS
4 PROPERTY LINE, TYP.
5 FENCE- HEIGHT PER PLAN
6 EXISTING GAS METER
7 EXISTING WATER METER
8 EXISTING ELECTRIC METER.
9 CONDENSING UNIT
10 SLOPE AWAY FROM FOUNDATION PER CRC R401.3. IF SETBACKS DO NOT ALLOW FOR MIN. SLOPE DROP, PROVIDE DRAIN OR SWALE TO DIVERT WATER AWAY FROM THE BUILDING AND ON TO POINT OF COLLECTION.
11 FEEDER TO EXTEND TO EXISTING PANEL
12 NEW ADU SUB PANEL / DISCONNECT / JUNCTION BOX AND GROUNDING ELECTRODE SYSTEM PER NEC ARTICLE 250.32

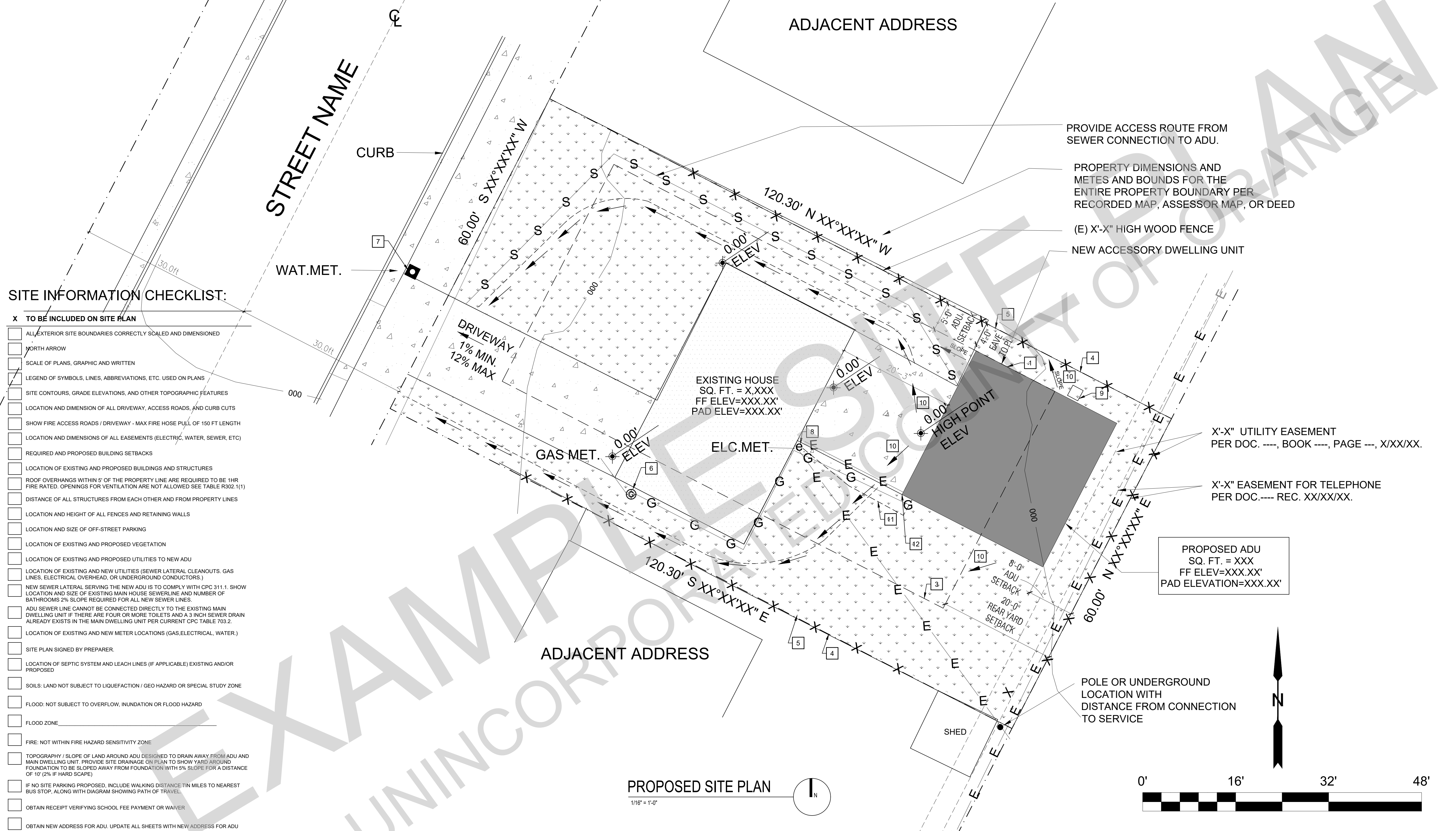
GENERAL NOTES
1. SPOT DIMENSIONS INDICATE ESTIMATED GRADE HEIGHTS. VERIFY IN FIELD PRIOR TO CONSTRUCTION.
2. SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS AND NOTES NOT SHOWN.
3. SEE BUILDING PLANS AND SCHEDULES FOR ALL EXTERIOR DOOR AND WINDOW REFERENCES AND LOCATIONS.
4. YARD SETBACKS ARE TO BE MEASURED FROM THE EXTERIOR WALL FINISH TO THE PROPERTY LINE AND NOT FROM THE OUTSIDE OF THE FOOTING (OR FACE OF STUDS).
5. SEWER DRAIN CLEANOUTS REQUIRED AT 100 FOOT INTERVALS AND CHANGES IN DIRECTION OF 135 DEGREES OR MORE.
6. 2% SLOPE REQUIRED FOR ALL NEW SEWER LINES.

LEGEND	
SPOT GRADE ELEVATION	KEYNOTE
AREA OF NEW BUILDING FOOTPRINT	PROPERTY LINE
AREA OF EXISTING BUILDING FOOTPRINT	REQUIRED SETBACKS
CONCRETE PAVING	DRAINAGE PATTERN
LANDSCAPE	SITE CONTOURS
	NEW SEWER LINE
	NEW DOMESTIC WATER LINE
	NEW ELECTRICAL & TEL DATA LINE
	NEW GAS LINE
	NEW OR EXISTING FENCE TO COMPLY WITH ZONING CODE SECTION 37-50.050

CERTIFICATE OF ACCURACY
I CERTIFY ALL DOCUMENTS AND PLANS CLEARLY AND ACCURATELY SHOW ALL EXISTING AND ALL PROPOSED BUILDINGS, STRUCTURES, ACCESS ROADS, AND UTILITIES/UTILITY EASEMENTS. ALL PROPOSED LAND USE ACTIVITIES, IMPROVEMENTS TO LAND, AND/OR BUILDING MODIFICATIONS OR ADDITIONS ARE CLEARLY LABELED ON THE SITE PLAN OF THE APPROVED PLAN SET. I UNDERSTAND THAT ANY POTENTIALLY EXISTING DETAIL WITHIN THESE PLANS INCONSISTENT WITH THE SITE PLAN ARE NOT APPROVED AND MAY BE REQUIRED TO BE ALTERED OR REMOVED. THE SUBMITTED DOCUMENTS AND PLANS SHOW THE CORRECT DIMENSIONS OF THE PROPERTY, THE BUILDINGS, AND STRUCTURES AND THEIR SETBACKS FROM PROPERTY LINES AND FROM ONE ANOTHER, ACCESS ROADS/EASEMENTS, AND UTILITIES. THE EXISTING AND PROPOSED 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.
APPLICANT (SIGNATURE): _____ DATE: _____
SITE PLAN PREPARED BY (SIGNATURE) _____ DATE: _____

UTILITIES PROVIDERS:
- GAS:
- ELECTRIC:
- WATER:
<b>SCHOOL DISTRICTS:</b>
HIGH SCHOOL -
ELEMENTARY SCHOOL -

GRADING INFORMATION:
TOTAL CUBIC YARD OF EARTHWORK = _____
TOTAL FILL MATERIAL PLACED ON AN EXISTING SLOPE STEEPER THAN FIVE UNITS HORIZONTAL TO ONE VERTICAL = _____
TOTAL CUT OR FILL MATERIAL EXCEEDING FOUR FEET IN VERTICAL DEPTH, MEASURED FROM THE EXISTING GROUND SURFACE = _____



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

- THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF ORANGE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF ORANGE 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.
- 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, ADJUSTMENTS, OR COSTS ARISING OUT OF OR RESULTING THEREFROM 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.
- THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO 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  
County of Orange  
Pre-Approved  
ADU Program

OWNER NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

APN: \_\_\_\_\_

LEGAL DESCRIPTION: \_\_\_\_\_

revisions  
△  
△  
△

description  
**Example Site Plan**

date 2024

project no. \_\_\_\_\_

drawn by DESIGN PATH STUDIO

sheet no. **AS.2**



**ARCHITECTUAL GENERAL NOTES**

- 1. DO NOT SCALE THE DRAWING. USE THE DIMENSIONS ONLY. IF A DISCREPANCY IS FOUND TO EXIST, NOTIFY THE OWNER.
- 2. THESE PLANS/SPECIFICATIONS AND ALL WORK SHALL COMPLY WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CCR AND CURRENT CPC, CMC AND CEC CODES.
- 3. 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 COUNTY OF ORANGE.
- 4. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO STARTING ANY WORK.
- 5. 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.
- 6. SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE COUNTY OF ORANGE BUILDING INSPECTOR
- 7. 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.
- 8. APPLICANT IS RESPONSIBLE TO PROVIDE SITE PLAN (PLOT PLAN) TO THE CITY FOR REVIEW AND APPROVAL.
- 9. APPLICANT IS RESPONSIBLE TO VERIFY WHETHER THE JOB SITE IS LOCATED WITHIN A FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD ZONE. PROJECTS LOCATED IN A SPECIAL FLOOD HAZARD AREA DESIGNATED ON THE FLOOD INSURANCE RATE MAP (FIRM) AS ZONE A OR AE, SHALL PROVIDE AN ELEVATION CERTIFICATE WITH SUPPORTED DOCUMENTS TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE.
- 10. SUBMIT GRADING PLANS AND/OR PROVIDE ADU GRADING PERMIT EXEMPTION CHECKLIST FOR REVIEW AND APPROVAL AT TIME OF PERMIT APPLICATION.
- 11. THE PV SYSTEM WILL BE SUBMITTED UNDER A SEPARATE PERMIT. A PHOTOVOLTAIC (SOLAR) SYSTEM BUILDING AND ELECTRICAL PERMIT SHALL BE ISSUED PRIOR TO ADU BUILDING FRAME INSPECTION REQUEST.
- 12. SOIL REPORT REQUIREMENT: IF A SOILS REPORT IS REQUIRED BY THE LOCAL JURISDICTION, THE GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH CBC SECTION 1803.2 AND REPORTED IN ACCORDANCE WITH CBC SECTION 1803.6. -THE GEOTECHNICAL ENGINEER OF RECORD SHALL REVIEW THE CITY APPROVED PLANS FOR GENERAL CONFORMANCE WITH THE SOIL REPORT, OTHERWISE, AN ALTERNATE FOUNDATION PLAN DESIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER IS REQUIRED

**ROOF NOTES**

- 1. FLASHINGS SHALL BE INSTALLED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE MATERIALS AND AT INTERSECTIONS WITH PARAPET WALLS AND OTHER PENETRATIONS THROUGH THE ROOF PLANE.
- 2. UNLESS ROOFS ARE SLOPED TO DRAIN OVER ROOF EDGES, ROOF DRAINS SHALL BE INSTALLED AT EACH LOW POINT OF ROOF.
- 3. ROOF ASSEMBLIES SHALL BE OF MATERIALS THAT ARE COMPATIBLE WITH EACH OTHER AND WITH THE BUILDING OR STRUCTURE TO WHICH THE MATERIALS ARE APPLIED.
- 4. BUILDING-INTEGRATED PHOTOVOLTAIC PRODUCTS INSTALLED AS THE ROOF COVERING SHALL BE TESTED, LISTED AND LABELED FOR FIRE CLASSIFICATION IN ACCORDANCE WITH SECTION R902.1 THROUGH R902.1.4.
- 5. ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R905.1.1.
- 6. CLAY AND CONCRETE ROOF TILE SHALL BE INSTALLED ON ROOF SLOPES OF TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS HORIZONTAL (25-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS HORIZONTAL (25-PERCENT SLOPE) TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R905.3.3.
- 7. SLATE SHINGLES SHALL BE USED ONLY ON SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER.
- 8. THE MINIMUM SLOPE FOR STANDING-SEAM ROOF SYSTEMS SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE).
- 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 (1-PERCENT SLOPE).
- 10. MINERAL-SURFACED ROLL ROOFING SHALL NOT BE APPLIED ON ROOF SLOPES BELOW ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL (8-PERCENT SLOPE).
- 11. MODIFIED BITUMEN ROOFING SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE.
- 12. 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.
- 13. A CLASS A ROOF ASSEMBLY SHALL BE INSTALLED. IF THE APPLICANT DEVIATES FROM THE ROOF SPECIFICATIONS ON SHEET T1.1, THE APPLICANT SHALL PROVIDE A COPY OF THE ICC/UL LISTING

**ROOF NOTES (CONT'D)**

- 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 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.
- 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)
  - b. IF THE INSULATION IS AIR-IMPERMEABLE AND IS IN DIRECT CONTACT WITH THE UNDERSIDE OF THE OF THE ROOF SHEATHING. (OR)
  - c. IF TWO LAYERS OF INSULATION ARE INSTALLED BELOW THE ROOF SHEATHING:
    - 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.

**FLOOR PLAN NOTES**

- 1. ALL DIMENSIONS TO FACE OF STUD, 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. CONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY OWNER OF ANY DISCREPANCIES.
- 4. REFER TO FRAMING PLANS AND SECTIONS FOR CLARIFICATION AND DIM. NOT SHOWN.
- 5. ALL ROOF DRAIN PIPES TO BE MIN. 2" STORM DRAINAGE SYSTEM UNLESS LOCAL CODE REQUIRES LARGER DRAIN SIZES. ROOF GUTTERS:
  - STYLE A - INSTALLED AND DESIGNED IN ACCORDANCE WITH SMACNA MANUAL, PLATE #1, #2 & #3, GUTTER, PAGE 6 - 11, WIDTH AS REQUIRED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2.
  - GUTTER: SIZE; PAGES 1,2, 3, 4, 5 & 6, CHARTS #1, #2, #3, #4, #5 & #6 & #7
  - STYLE: PLATE #2, STYLE A, PAGE 9
  - EXPANSION: PLATE #6, PAGE 16 & 17
  - HANGING: PLATE #19, FIG. C, PAGE 43.
  - DOWN SPOUTS:
    - PLAIN RECTANGULAR AS REQUIRED BY SMACNA MANUAL CHART #3, PAGE #3. SEE ARCHITECT FOR LOCATIONS OF DOWN SPOUTS. ALL DOWN SPOUTS ARE TO BE DESIGNED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2. DOWN SPOUTS ARE TO DEPOSIT DIRECTLY OVER A NDS 6 INCH SQUARE, MODEL 641 OR APPROVED EQUAL (SEE SECTION 02710 MORE INFORMATION)
- 6. TRANSITION OF FLOOR MATERIALS OCCURRING IN OPENINGS WITH DOORS TO BE LOCATED UNDER THE CENTER OF THE DOOR IN THE CLOSED POSITION. TRANSITION OF FLOOR MATERIAL OCCURRING WITH NO DOOR TO BE LOCATED TO ALIGN WITH THE FACE OF THE PARTITION, U.O.N
- 7. DIFFUSERS AND GRILLS TO MATCH COLOR OF SURFACE AT WHICH THEY ARE MOUNTED, U.O.N.
- 8. FLOOR FINISH TO CONTINUE UNDER MILLWORK WHERE FLOOR IS VISIBLE (I.E. TRASH, RECYCLING, ECT.) 8. SILICON SEALANT AT GLAZING TO BE CLEAR, U.O.N.
- 9. PLUMBING, ELECTRICAL, AND SPRINKLER EQUIPMENT, IF REQUIRED TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACE.
- 10. ALL FINISH MATERIAL MUST MEET ALL APPLICATION FIRE, LIFE SAFETY, AND BUILDING CODES. 80% OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH SPECIFIED VOC CRITERIA. PARTICLE BOARD, MDF AND PLYWOOD USED IN INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW FORMALDEHYDE EMISSION STANDARDS.
- 11. OPERATION AND MAINTENANCE MANUAL: THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FOR MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION.
- 12. WEEP SCREED FOR STUCCO AT THE FOUNDATION PLATE LINE SHALL BE A MIN. OF 4" ABOVE THE EARTH OR 2" ABOVE PAVED AREAS. CRC R703.7.2.1, CBC 2512.1.2
- 13. FASTENERS AND CONNECTIONS (NAILS, ANCHORS BOLTS ECT) IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. (CRC R317.3, CBC 2304.10.5.1)
- 14. ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS A MIN. OF 0.229" x 3" x 3" IN SIZE, BETWEEN SILL PLATE AND NUT. (CRC R602.11.1, CBC 2308.3.2 ACCEPTANCE ALTERNATIVE SDPWS 4.3.6.4.3)
- 15. FUTURE WATER HEATERS AND PLUMBING FIXTURES SHALL MEET THE REQUIREMENTS OF SECTION 2-5314 AND TABLE 2-53G, TITLE 24, C.A.C.
- 16. 15, 20 AND 30 AMP. RECEPTACLE OUTLETS SHALL BE INSTALLED NO MORE THAN 48" MEASURED FROM THE TOP OF OUTLET BOX AND NOT LESS THAN 15" FROM THE BOTTOM OF OUTLET BOX ABOVE THE FLOOR.
- 17. SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE PROVIDED AND APPROVED BY THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMPs THAT ARE CURRENTLY ENFORCED BY THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPT.
- 18. 65 % OF CONSTRUCTION WASTE IS TO BE RECYCLED AND 100% OF INERT MATERIALS ARE RECYCLED SALVAGED, COMPOSTED.

**FLOOR PLAN NOTES (CONT'D)**

- 19. VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION 4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR: ADHESIVES, PAINTS, STAINS, CAULKS AND COATINGS, CARPET AND COMPOSITION WOOD PRODUCTS. DOCUMENTATION SHALL BE PROVIDED TO VERIFY THAT COMPLIANT VOC LIMIT FINISHED MATERIALS HAVE BEEN USED.
- 20. INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING SHALL BE USED.
- 21. MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE OF THE LISTED METHODS LISTED IN CGC SECTION 4.503.3
- 22. PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED WITH THE APPROVED PLANS
- 23. LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS.
- 24. 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.
- 25. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN TO THE JURISDICTION AGENCY THAT REGULATES WASTE MANAGEMENT, PER CGC 4.408.2.
- 26. THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0
- 27. DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE COVERED. CGC 4.504.1
- 28. BATHROOM FANS SHALL BE ENERGY STAR RATED, VENTED DIRECTLY TO THE OUTSIDE AND CONTROLLED BY A HUMIDISTAT.
- 29. SPECIAL INSPECTORS EMPLOYED BY THE ENFORCING AGENCY MUST BE QUALIFIED AND ABLE TO DEMONSTRATE COMPETENCE IN THE DISCIPLINE THEY ARE INSPECTING.
- 30. VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOC, PLANS, SPECIFICATION BUILDER OR INSTALLER CERTIFICATIONS, INSPECTIONS REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH TO SHOW SUBSTANTIAL CONFORMANCE.
- 31. NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION SHALL BE DESIGNED FOR AGING-IN-PLACE DESIGN AND FALL PREVENTION PER R327
  - A) AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED. WHERE THERE IS NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH THIS SECTION.
  - B) REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY.
  - C) REINFORCEMENT SHALL NOT BE LESS THAN 2 BY 8 INCH NOMINAL LUMBER. REINFORCEMENT SHALL BE LOCATED BETWEEN 32 INCHES AND 39-1/4 INCHES ABOVE THE FINISHED FLOOR FLUSH WITH THE WALL FRAMING.
  - D) WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.
  - E) SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED.
  - F) BATHTUB AND COMBINATION BATHTUB/SHOWER REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES ABOVE THE BATHTUB RIM.

**MECHANICAL NOTES**

- 1. SMOKE DETECTORS MUST BE PERMANENTLY WIRED. IN NEW CONSTRUCTION, REQUIRED SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACK-UP. SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVER CURRENT PROTECTION.
- 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
- 4. SUPPLY AND RETURN AIR DUCTS TO BE INSULATED AT A MIN. OF R-6. (CAL ENERGY CODE TABLE 150.1-A)

**MECHANICAL NOTES (CONT'D)**

- 5. 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)
- 6. ENVIRONMENTAL AIR DUCTS SHALL TERMINATE MIN. 3 FEET FROM PROPERTY LINE OR OPENINGS INTO BLDG., AND 10" FROM A FORCED AIR INLET. (CMC 502.2.1)
- 7. ALL HOSE BIBS ARE TO HAVE VACUUM BREAKERS. (CPC603.5.7)
- 8. THE MAX. AMOUNT OF WATER CLOSETS ON A 3" HORIZONTAL DRAINAGE SYSTEM LINE IS 3 (CPC TABLE 703.2)
- 9. THE MAX. AMOUNT OF WATER CLOSETS ON A 3" VERTICAL DRAINAGE LINE IS 4. (CPC TABLE 703.2)
- 10. PROVIDE GAS LINES WITH A MN. CAPACITY OF 200,000BTU FOR WATER HEATER. (CAL ENERGY CODE 150.0(N)).
- 11. PROVIDE A CONDENSATE DRAIN NO MORE THAN 2" ABOVE THE BASE OF THE WATER HEATER SPACE. (CAL ENERGY CODE 150.0 (N).
- 12. INSULATE ALL HOT WATER PIPES. CAL ENERGY CODE 150.0(j) (2), and CPC 609.11)
- 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 CODE 110.3(7)).
- 14. EXHAUST DUCTS AND DRYER VENTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPERS
- 15. ALL EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEMS. (CENC 150(K) 2B)
- 16. 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.
- 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.

**ELECTRICAL NOTES**

- 1. RECEPTACLE OUTLET LOCATIONS WILL COMPLY WITH CEC ARTICLE 210.52 & CRC SECTION R327.1.2. TAMPER RESISTANT RECEPTACLE OUTLET LOCATIONS SHALL COMPLY W/ NEC ART. 210.52 AND 550.13 (I.E. ALL RECEPTACLES IN A DWELLING).
- 2. ARC-FAULT PROTECTION FOR ALL OUTLETS (NOT JUST RECEPTACLES) LOCATED IN ROOMS DESCRIBED IN NEC 210.12(A); KITCHENS, LAUNDRY AREAS, FAMILY, LIVING, BEDROOMS, DINING, HALLS, ETC. ALL BRANCH CIRCUITS WILL BE ARC FAULT CIRCUIT PROTECTED PER NEC ART. 210-12(B). THERE ARE TO BE A MINIMUM OF 2 SMALL APPLIANCE BRANCH CIRCUITS WITHIN THESE AREAS CEC 210.11(C)1
- 3. BATHROOM CIRCUITING SHALL BE EITHER: a) A 20 AMPERE CIRCUIT DEDICATED TO EACH BATHROOM. b) AT LEAST ONE 20 AMPERE CIRCUIT SUPPLYING ONLY BATHROOM RECEPTACLE OUTLETS PER NEC ART. 210-11(c)3.
- 4. ALL 125-VOLT, SINGLE-PHASE, 15- AND 20- AMPERE RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, BASEMENTS, OUTDOORS, LAUNDRY AREA, KITCHEN DISHWASHERS, KITCHEN COUNTERS AND AT WET BAR SINKS, WITHIN 6' OF A SINK, SHALL BE GFCI PROTECTED PER NEC ART. 210-8(A).
- 5. WEATHER RESISTANT TYPE FOR RECEPTACLES INSTALLED IN DAMP OR WET LOCATIONS (OUTSIDE) NEC 406.4(D)(6)
- 6. PER LIGHTING MEASURES 150(K)4 N-24, THE BEDROOMS, HALLWAY, LIVING ROOM AND OFFICE ARE REQUIRED TO HAVE ANY INSTALLED FIXTURE TO BE ON A DIMMER SWITCH OR THE FIXTURE NEEDS TO BE HIGH EFFICACY.
- 7. OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.
- 8. A RECEPTACLE OUTLET MUST BE INSTALLED IN EVERY ROOM SO THAT NO POINT ALONG THE WALL SPACE IS MORE THAN 6 FEET, MEASURED HORIZONTALLY ALONG THE FLOOR LINE FROM A RECEPTACLE OUTLET CEC 210.52(A)
- 9. SMOKE DETECTORS MUST BE PERMANENTLY WIRED. IN NEW CONSTRUCTION, REQUIRED SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACK-UP. SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVERCURRENT PROTECTION.
- 10. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED, THE SMOKE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL DWELLING UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED.
- 11. ALL EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEMS. (CENC 150(K) 2B)
- 12. A MINIMUM OF ONE LUMINAIRE SHALL BE INSTALLED IN BATHROOM CONTROLLED BY AN OCCUPANT OR VACANCY SENSOR PROVIDING AUTOMATIC -OFF FUNCTIONALLY (CENC 150.0(K)21)
- 13. LAUNDRY AREA SHALL AT LEAST 1-20 AMP DEDICATED BRANCH CIRCUIT (CEC 210 .11 (C)2)
- 14. PROVIDE A DEDICATED CIRCUIT FOR THE A.C./FAU (CEC 422.12)
- 15. A DEDICATED 125V, 20AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRICAL PANEL WITH A 120V, VOLT 3 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)

**ELECTRICAL NOTES (CONT'D)**

- 16. PER CEC 2022 150.0(N), 1.A.: IF THE DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER HEATER, THEN THIS SPACE SHALL INCLUDE THE FOLLOWING: A 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 FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS; AND
  - BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED; AND
  - A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE ELECTRICAL PANEL ADJACENT TO THE CIRCUIT BREAKER FOR THE BRANCH CIRCUIT IN A ABOVE AND LABELED WITH THE WORDS "FUTURE 240V USE"; AND
  - A CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE INSTALLED WATER HEATER, AND ALLOWS NATURAL DRAINING WITHOUT PUMP ASSISTANCE.
- 17. ELECTRICAL RECEPTACLE OUTLETS IN BATHROOM MUST BE NO MORE THAN 48 INCHES OR LESS THAN 15-INCHES MEASURE FROM THE FINISHED FLOOR.
- 18. DOORBELL BUTTON MUST BE INSTALLED NO MORE THAN 48 INCHES FROM EXTERIOR FLOOR.
- 19. LUMINAIRE EFFICACY - ALL INSTALLED LUMINAIRES SHALL MEET THE REQUIREMENTS OF 2022 BUILDING ENERGY EFFICIENCY STANDARDS TABLE 150.0-A PER SECTION 150.0(K).

**ELECTRIC READY NOTES:  
2022 ENERGY EFFICIENCY STANDARDS 150.0**

- (S) ENERGY STORAGE SYSTEMS (ESS) READY. ALL SINGLE-FAMILY RESIDENCES THAT INCLUDE ONE OR TWO DWELLING UNITS SHALL MEET THE FOLLOWING. ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE:
  - 1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED:
    - A. ESS READY INTERCONNECTION EQUIPMENT WITH A MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR B. A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE BRANCH CIRCUITS IN SECTION 150.0(S)(2). ALL BRANCH CIRCUITS ARE PERMITTED TO BE SUPPLIED BY THE MAIN SERVICE PANEL PRIOR TO THE INSTALLATION OF AN ESS. THE TRADE SIZE OF THE RACEWAY SHALL BE NOT LESS THAN ONE INCH. THE PANELBOARD THAT SUPPLIES THE BRANCH CIRCUITS (SUBPANEL) MUST BE LABELED "SUBPANEL SHALL INCLUDE ALL 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 BE SUPPLIED BY THE ESS. AT LEAST ONE CIRCUIT SHALL SUPPLY THE REFRIGERATOR, ONE LIGHTING CIRCUIT SHALL BE LOCATED NEAR THE PRIMARY EGRESS, AND AT LEAST ONE CIRCUIT SHALL SUPPLY A SLEEPING ROOM RECEPTACLE OUTLET.
    - 3. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR 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 ISOLATION EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE CONNECTION OF BACKUP POWER SOURCE.
- (T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:
  - 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITHIN 3 FEET FROM THE FURNACE AND ACCESSIBLE TO THE FURNACE WITH NO OBSTRUCTIONS. THE BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL 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 DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE HEAT PUMP SPACE HEATER INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED AS "FOR FUTURE 240V USE."
- (U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PROPANE COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:
  - 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITHIN 3 FEET FROM THE COOKTOP AND ACCESSIBLE TO THE COOKTOP WITH NO OBSTRUCTIONS. THE BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 50 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 DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC COOKTOP INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED AS "FOR FUTURE 240V USE."
- (V) ELECTRIC CLOTHES DRYER READY. CLOTHES DRYER LOCATIONS WITH GAS OR PROPANE PLUMBING TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:
  - 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE 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 DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC CLOTHES DRYER INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED AS "FOR FUTURE 240V USE."

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AGREES TO 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 COUNTY OF ORANGE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF ORANGE 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  
**County of Orange  
Pre-Approved  
ADU Program**

OWNER NAME:  
ADDRESS:  
APN:  
LEGAL DESCRIPTION:

revisions  
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description  
**General  
Notes**

date 2024

project no.  
drawn by DESIGN PATH STUDIO

sheet no. **G0.2**

VERY HIGH FIRE SEVERITY ZONE (VHFSZ) NOTES

GENERAL NOTE:  
THE ADU SHALL COMPLY WITH CHAPTER 7A OF THE CURRENT CALIFORNIA BUILDING CODE IF IT IS IN THE VHFSZ. STRUCTURES IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE SHALL PROVIDE & MAINTAIN A FUEL MODIFICATION ZONE. FUEL MODIFICATION ZONES: THE APPLICANT SHALL PROVIDE AND MAINTAIN FIRE/FUEL BREAKS TO THE SATISFACTION OF THE CITY'S FIRE DEPARTMENT. FIRE/FUEL BREAK SIZE (MINIMUM 100 FEET FROM STRUCTURE) & COMPOSITION SHALL BE DETERMINED BY THE FIRE DEPARTMENT & SHOWN ON THE IMPROVEMENT/GRADING PLANS, FINAL MAP, & BUILDING PLANS

CBC CHAPTER 7A - MATERIALS & CONSTRUCTION METHODS FOR EXTERIOR WILDLIFE EXPOSURE  
IF THE PROPERTY THAT WILL CONTAIN THE ADU IS IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE THESE NOTES SHALL APPLY. THE JURISDICTION HAS DETERMINED THAT THIS PROJECT IS IN A WILDLIFE -URBAN INTERFACE AREA. PLEASE SHOW COMPLIANCE WITH THE FOLLOWING ITEMS FOR NEW BUILDINGS, PER THE 2022 CBC. EXCEPTIONS:

- BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIED AS A GROUP U OCCUPANCY AND NOT EXCEEDING 120 SQUARE FEET IN FLOOR AREA. WHEN LOCATED AT LEAST 30 FEET FROM AN APPLICABLE BUILDING.
- BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIES AS A GROUP U OCCUPANCY OF ANY SIZE LOCATED LEAST 50' FROM AN APPLICABLE BUILDING.
- BUILDINGS CLASSIFIED AS A GROUP U AGRICULTURE BUILDING. AS DEFINED IN SECTION 202 OF THE CODE (SEE ALSO APPENDIX C - GROUP U AGRICULTURE BUILDINGS ), WHEN LOCATED AT LEAST 50' FROM AN APPLICABLE BUILDING.

REQUIREMENTS:

- 705A.2 ROOF COVERINGS. WHERE THE ROOF PROFILE HAS AN AIRSPACE UNDER THE ROOF COVERING, INSTALLED OVER A COMBUSTIBLE DECK, A 72 LB. (32.7 KG) CAP SHEET COMPLYING WITH ASTM D3909 STANDARD SPECIFICATION FOR "ASPHALT ROLLED ROOFING (GLASS FELT) SURFACED WITH MINERAL GRANULES," SHALL BE INSTALLED OVER THE ROOF DECK. BIRD STOPS SHALL BE USED AT THE EAVES WHEN THE PROFILE FITS. TO PREVENT DEBRIS AT THE EAVE. HIP AND RIDGE CAPS SHALL BE MUDDIED IN TO PREVENT INTRUSION OF FIRE OR EMBERS. EXCEPTION: CAP SHEET IS NOT REQUIRED WHEN NO LESS THAN 1" OF MINERAL WOOL BOARD OR OTHER NONCOMBUSTIBLE MATERIAL IS LOCATED BETWEEN THE ROOFING MATERIAL AND WOOD FRAMING OR DECK. ALTERNATELY, A CLASS A FIRE RATED ROOF UNDERLAYMENT, TESTED IN ACCORDANCE WITH ASTM E108, SHALL BE PERMITTED TO BE USED. IF THE SHEATHING CONSISTS OF EXTERIOR FIRE-RETARDANT TREATED WOOD, THE UNDERLAYMENT SHALL NOT BE REQUIRED TO COMPLY WITH A CLASS A CLASSIFICATION. BIRD STOPS SHALL BE USED AT THE EAVES WHEN THE PROFILE FITS, TO PREVENT DEBRIS AT THE EAVE. HIP AND RIDGE CAPS SHALL BE MUDDIED IN TO PREVENT INTRUSION OF FIRE OR EMBERS.
- 705A.3 ROOF VALLEYS. WHERE VALLEY FLASHING IS INSTALLED, THE FLASHING SHALL BE NOT LESS THAN 0.019-INCH NO. 26 GAGE GALVANIZED SHEET CORROSION-RESISTANT METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MIN. 72 POUND MINERAL - SURFACED NON PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909. AT LEAST 36-INCH -WIDE RUNNING THE FULL LENGTH OF THE VALLEY.
- 705A.4 ROOF GUTTER. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.
- 706A.2 VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED, BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS:
  - THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST
  - THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST
  - THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662 F
- 706A.2.1 VENTS THAT ARE INSTALLED ON A SLOPED ROOF, SUCH AS DORMER VENTS, SHALL COMPLY WITH ALL THE FOLLOWING
  - VENTS SHALL BE COVERED WITH A MESH WHERE THE DIMENSIONS OF THE MESH THEREIN SHALL BE A MINIMUM OF  $\frac{1}{16}$  - INCH AND SHALL NOT EXCEED  $\frac{1}{4}$  - INCH IN DIAMETER
  - THE MESH MATERIAL SHALL BE NONCOMBUSTIBLE
  - THE MESH MATERIAL SHALL BE CORROSION RESISTANT.
- 707A.3 EXTERIOR WALLS COVERINGS. THE EXTERIOR WALL COVERING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING REQUIREMENTS, EXCEPT AS PERMITTED FOR EXTERIOR WALL ASSEMBLIES COMPLYING WITH SECTION 707A.4:
  - NONCOMBUSTIBLE MATERIAL
  - IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2.
  - FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2.
- 707A.3.1 EXTENT OF EXTERIOR WALL COVERING. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF AND TERMINATE AT 2" NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN THE CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.

- 707A.4 EXTERIOR WALL ASSEMBLIES. EXTERIOR WALL ASSEMBLIES OF BUILDINGS OR STRUCTURES SHALL BE CONSTRUCTED USING ONE OR MORE OF THE FOLLOWING METHODS, UNLESS THEY ARE COVERED BY AN EXTERIOR WALL COVERING COMPLYING WITH SECTION 707A.3:
  - ASSEMBLY OF SAWN LUMBER OR GLUE LAMINATED WOOD WITH THE SMALLEST MINIMUM NOMINAL DIMENSION OF 4 INCHES. SAWN OR GLUE-LAMINATED PLANKS SPLINED, TONGUE-AND-GROOVE, OR SET CLOSE TOGETHER AND WELL SPIKED.
  - LOG WALL CONSTRUCTION ASSEMBLY
  - ASSEMBLY THAT HAS BEEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES FOR A 10 MINUTE DIRECT FLAME CONTACT EXPOSURE SET FORTH IN ASTM E2707 WITH THE CONDITIONS OF ACCEPTANCE SHOWN IN SECTION 707A.4.1.
  - ASSEMBLY THAT MEET THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES FOR A TEN MINUTE DIRECT FLAME CONTACT EXPOSURE TEST SET FORTH IN SFM STANDARD 12-7A-1
  - ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE WITH A 1-HOUR FIRE RESISTANCE RATING, RATED FROM THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263
  - ASSEMBLY SUITABLE FOR EXTERIOR FIRE EXPOSURE CONTAINING ONE LAYER OF  $\frac{5}{8}$  -INCH TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR WALL COVERING OR CLADDING ON THE EXTERIOR SIDE OF THE FRAMING.
  - ASSEMBLY SUITABLE FOR EXTERIOR EXPOSURE CONTAINING ANY OF THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUEL AS COMPLYING WITH A 1-HOUR FIRE-RESISTANCE RATING, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263
- 707A.5 OPEN ROOF EAVES. THE EXPOSED ROOF DECK ON THE UNDERSIDE OF ENCLOSED ROOF EAVES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING:
  - NON COMBUSTIBLE MATERIAL
  - IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AN SHALL MEET THE REQUIREMENTS OF SECTION 704A.2
  - FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2
  - MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263
  - ONE LAYER OF  $\frac{5}{8}$ " TYPE X GYPSUM SHEATHING APPLIES BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE EXTERIOR OF THE ROOF DECK.
  - THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, APPLIED TO THE UNDERSIDE OF THE ROOF DECK DESIGNED FOR THE EXTERIOR FIRE EXPOSURE, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DEIGN MANUAL.

EXCEPTION TO SECTION 707A.5: THE FOLLOWING MATERIALS DO NOT REQUIRE PROTECTION:  
FASCIA AND OTHER ARCHITECTURAL TRIM BOARDS
- 707A.6 ENCLOSED ROOF EAVES AND ROOF EAVE SOFFITS. THE EXPOSED UNDERSIDE OF ENCLOSED ROOF EAVES HAVING EITHER A BOXED-IN ROOF EAVE SOFFIT WITH A HORIZONTAL UNDERSIDE, OR SLOPING RAFTER TAILS WITH AN EXTERIOR COVERING APPLIED TO THE UNDERSIDE OF THE RAFTER TAILS, SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING:
  - NONCOMBUSTIBLE MATERIAL
  - IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2
  - FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2
  - MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263
  - ONE LAYER OF  $\frac{5}{8}$ " TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE OF FLOOR PROJECTION.
  - THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, APPLIED TO THE UNDERSIDE OF THE RAFTER TAILS OR SOFFIT, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL
  - BOXED-IN ROOF EAVE SOFFIT ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957
  - BOXED-IN ROOF EAVE SOFFIT ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3

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

- 707A.7 EXTERIOR PORCH CEILINGS. THE EXPOSED UNDERSIDE OF THE EXTERIOR PORCH CEILINGS SHALL BE PROTECTED BY ONE OF THE FOLLOWING:
  - NON COMBUSTIBLE MATERIAL
  - IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2
  - FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2
  - MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263
  - ONE LAYER OF  $\frac{5}{8}$ " TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING OR CLADDING ON THE UNDERSIDE OF THE RAFTER TAILS OR SOFFIT.
  - THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119, APPLIED TO THE UNDERSIDE OF THE CEILING ASSEMBLY, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL
  - PORCH CEILING ASSEMBLIES WITH A HORIZONTAL UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3

EXCEPTION TO SECTION 707A.7: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION
- 707A.8 FLOOR PROJECTIONS. THE EXPOSED UNDERSIDE OF A CANTILEVER FLOOR PROJECTION WHERE A FLOOR ASSEMBLY EXTENDS OVER AN EXTERIOR WALL SHALL BE PROTECTED BY ON OF THE FOLLOWING:
  - NONCOMBUSTIBLE MATERIAL
  - IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2
  - FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2
  - MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263
  - ONE LAYER OF  $\frac{5}{8}$ " TYPE X GYPSUM SHEATHING APPLIED BEHIND AND EXTERIOR COVERING ON THE UNDERSIDE OF THE CEILING
  - THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119, APPLIED TO THE UNDERSIDE OF THE CEILING ASSEMBLY, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL
  - THE UNDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN SECTION 707A.10 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957.
  - THE UNDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN THE SFM STD 12-7A-3.

EXCEPTION TO SECTION 707A.8: ARCHITECTURAL TRIM BOARDS DO NOT REQUIRE PROTECTION
- 707A.9 UNDERFLOOR PROTECTION. THE UNDERFLOOR AREA OF ELEVATED OR OVERHANGING BUILDINGS SHALL BE ENCLOSED TO GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE UNDERSIDE OF THE EXPOSED UNDERFLOOR SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING:
  - NONCOMBUSTIBLE MATERIAL
  - IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2
  - FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2
  - MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263
  - ONE LAYER OF  $\frac{5}{8}$ " TYPE X GYPSUM SHEATHING APPLIED BEHIND AND EXTERIOR COVERING ON THE UNDERSIDE OF THE FLOOR PROJECTION
  - THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, APPLIED TO THE UNDERSIDE OF THE FLOOR, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL
  - THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957.
  - THE UNDERSIDE OF A FLOOR ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3.

EXCEPTION TO SECTION 707A.9: STRUCTURAL COLUMNS AND BEAMS DO NOT REQUIRE PROTECTION WHEN CONSTRUCTED WITH SAWN LUMBER OR GLUE-LAMINATED WOOD WITH THE SMALLEST MINIMUM NOMINAL DIMENSION OF 4 INCHES. SAWN OR GLUE-LAMINATED PLANKS SHALL BE SPLINED, TONGUE-AND-GROOVE, OR SET CLOSE TOGETHER AND WELL SPIKED.

- 707A.10 UNDERSIDE OF APPENDAGES. WHEN REQUIRED BY THE ENFORCING AGENCY THE UNDERSIDE OF OVERHANGING APPENDAGES SHALL BE ENCLOSED TO GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS CHAPTER OR THE UNDERSIDE OF THE EXPOSED UNDER FLOOR SHALL CONSIST OF ONE OF THE FOLLOWING:
  - NONCOMBUSTIBLE MATERIAL
  - IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 704A.2
  - FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2
  - MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263
  - ONE LAYER OF  $\frac{5}{8}$ " TYPE X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING ON THE UNDERSIDE OF THE APPENDAGE PROJECTION
  - THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, APPLIED TO THE UNDERSIDE OF THE APPENDAGE, INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL
  - THE UNDERSIDE OF AN APPENDAGE ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN SECTION 707A.11 WHEN TESTED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E2957.
  - THE UNDERSIDE OF AN APPENDAGE ASSEMBLY THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-7A-3.

EXCEPTION TO SECTION 707A.10: STRUCTURAL COLUMNS AND BEAMS DO NOT REQUIRE PROTECTION WHEN CONSTRUCTED WITH SAWN LUMBER OR GLUE-LAMINATED WOOD WITH THE SMALLEST MINIMUM NOMINAL DIMENSION OF 4 INCHES. SAWN OR GLUE-LAMINATED PLANKS SHALL BE SPLINED, TONGUE-AND-GROOVE, OR SET CLOSE TOGETHER AND WELL SPIKED
- 708A.2 EXTERIOR GLAZING. THE FOLLOWING EXTERIOR GLAZING MATERIALS AND/OR ASSEMBLIES SHALL COMPLY WITH THIS SECTION:
  - EXTERIOR WINDOWS
  - EXTERIOR GLAZED DOORS
  - GLAZED OPENINGS WITHIN EXTERIOR DOORS
  - GLAZED OPENINGS WITHIN EXTERIOR GARAGE DOORS
  - EXTERIOR STRUCTURAL GLASS VENEERS
  - SKYLIGHTS
  - VENTS
- 708A.2.1 EXTERIOR WINDOWS AND EXTERIOR GLAZED DOOR ASSEMBLY REQUIREMENTS:
  - BE CONSTRUCTED OF MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENTS OF SECTION 2406 SAFETY GLAZING, OR
  - BE CONSTRUCTED OF GLASS BLOCK UNITS, OR
  - HAVE A FIRE-RESISTANT RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED IN ACCORDANCE TO NFPA 257, OR
  - BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2.
- 708A.3 EXTERIOR DOORS. EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING:
  - THE EXTERIOR SURFACE OR CLADDING SHALL BE OF NON-COMBUSTIBLE OR IGNITION-RESISTANT MATERIAL
  - THE EXTERIOR SURFACE OR CLADDING SHALL BE IGNITION RESISTANT MATERIAL
  - TEH EXTERIOR DOOR SHALL BE CONSTRUCTED OF SOLID CORE WOOD THAT COMPLY WITH THE FOLLOWING REQUIREMENTS:
    - STILES AND RAILS SHALL NOT BE LESS THAN 1-3/8" THICK.
    - RAISED PANELS SHALL NOT BE LESS THAN 1-1/4" THICK. EXCEPT FOR THE EXTERIOR PERIMETER OF THE PANEL THAT SHALL BE PERMITTED TO TAPER TO A TONGUE NOT LESS THAN  $\frac{3}{8}$ " THICK.
    - THE EXTERIOR DOOR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO THE NFPA 252.
    - THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE IN SECTION 707A.3.1 WHEN TESTED IN ACCORDANCE WITH ASTM E2707.
    - THE EXTERIOR SURFACE OR CLADDING SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1.
- 708A.3.1 EXTERIOR DOOR GLAZING. GLAZING IN EXTERIOR DOORS SHALL COMPLY WITH SECTION 708A2.1.

FIRE SPRINKLER NOTES

- IF FIRE SPRINKLERS ARE REQUIRED AT PROPOSED ADU THEN THE FOLLOWING NOTES APPLY.
- AUTOMATIC FIRE SPRINKLER SYSTEM - AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AS PER NFPA 13D THE MOST CURRENT EDITION. DETAILED SPRINKLER PLANS SHALL BE SUBMITTED TO THE FIRE PREVENTION BUREAU AND APPROVED PRIOR TO INSTALLATION. PLANS AND INSTALLATION MUST BE BY A C16 LICENSED SPRINKLER CONTRACTOR.
- SECTION 903.2.8 GROUP R AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.3 SHALL BE PROVIDED THROUGHOUT ALL BUILDINGS WITH A GROUP R FIRE AREA. THIS INCLUDES SINGLE FAMILY DWELLINGS, MULTI-FAMILY DWELLINGS AND ALL RESIDENTIAL CARE FACILITIES REGARDLESS OF OCCUPANT LOAD.
- SECTION 903.3.2 WHERE AUTOMATIC SPRINKLER SYSTEMS ARE REQUIRED, QUICK-RESPONSE OR RESIDENTIAL AUTOMATIC SPRINKLERS SHALL BE INSTALLED IN ALL OF THE FOLLOWING AREAS IN ACCORDANCE WITH SECTION 903.3.1 AND THEIR LISTINGS:
  - THROUGHOUT ALL SPACES WITHIN A SMOKE COMPARTMENT CONTAINING CARE RECIPIENT SLEEPING UNITS IN GROUP I-2 IN ACCORDANCE WITH THIS CODE.
  - THROUGHOUT ALL SPACES WITHIN A SMOKE COMPARTMENT CONTAINING TREATMENT ROOMS IN AMBULATORY CARE FACILITIES.
  - DWELLING UNITS AND SLEEPING UNITS IN GROUP I-1 AND R OCCUPANCIES.
  - LIGHT-HAZARD OCCUPANCIES AS DEFINED IN NFPA 13.
- A FIRE UNDERGROUND FLUSH CERTIFICATION SHALL BE REQUIRED AT FINAL INSPECTION.
- SECTION 903.5 SPRINKLER SYSTEMS SHALL BE TESTED AND MAINTAINED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE.

ABBREVIATIONS

ADU	ACCESSORY DWELLING UNIT
AFF	ABOVE FINISH FLOOR
AMP	AMPERE
AWG	AMERICAN WIRE GAUGE
BMP	BEST MANAGEMENT PRACTICE
BM	BEAM
BN	BOUNDARY NAILING
BTTM	BOTTOM
C	COUNTER
CALC	CALCULATION
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CONC	CONCRETE
CONT	CONTINUOUS
DBL	DOUBLE
DIA	DIAMETER
DTP	DOUBLE TOP PLATE
DW	DISH WASHER
EQ	EQUAL
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FR	FIRE RATED
GAL	GALLON
GD	GARBAGE DISPOSAL
GFI	GROUND-FAULT CIRCUIT INTERRUPTER
GI	GALVANIZED IRON
GL	GLASS
GPM	GALLON PER MINUTE
GYP	GYPSUM
HLW	HOLLOW
HGT	HEIGHT
HDR	HEADER
HDU	HOLDOWN INSTALLATION
LVL	LEVEL
MIN	MINIMUM
OAE	OR APPROVED EQUIVALENT
OC	ON CENTER
OPER	OPERATION
O	OVEN
OSB	ORIENTED STRAND BOARD
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL-STRAND LUMBER
PT	POST TENTION
QNTY	QUANTITY
REQ	REQUIRED
REF	REFRIGERATOR
REINF	REINFORCED
SDS	SAFETY DATA SHEET
SIM	SIMILAR
SF	SQUARE FOOTAGE
SHT	SHEET
T	TEMPERED
THICK	THICKNESS
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	TYPE 5 B CONSTRUCTION
WD	WASHER AND DRYER
WD	WOOD
WH	WATER HEATER
WR	WEATHER RESISTANT
V	VOLT

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County of Orange  
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ADU Program

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General  
Notes

date 2024

project no.

drawn by DESIGN PATH STUDIO

sheet no. **G0.3**

WINDOW SCHEDULE										DOOR SCHEDULE														
WINDOW	WINDOW SIZE		OPER.	QNTY	FRAME	HEAD HEIGHT	LOCATION	REMARKS	VHFSZ NOTES SEE SHEET G0.3 (WHEN REQ'D)	SHGC	U- FACTOR	DOOR	DOOR TYPE	DOOR SIZE			CORE	MATERIAL	FRAME	LOCATION	REMARKS	VHFSZ NOTES SEE SHEET G0.3 (WHEN REQ'D)	SHGC	U- FACTOR
	WIDTH	HEIGHT												WIDTH	HEIGHT	THICK.								
A	3'-0"	3'-0"	DOUBLE-HUNG	1	VINYL	6'-8"	KITCHEN WINDOW		NOTE 15 & 16	0.23	0.3	1	SINGLE DOOR	3'-0"	6'-8"	1-3/4"	GL	VNL/GLASS	VINYL	FRONT ENTRY	TEMPERED	NOTE 15,16,17, & 18	0.23	0.3
B	2'-6"	2'-0"	SLIDER	2	VINYL	6'-8"	BATHROOM WINDOWS	TEMPERED GLASS	NOTE 15 & 16	0.23	0.3	2	BI-FOLD DOOR	3'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	WASHER/DRYER				
C	2'-6"	4'-0"	CASEMENT	2	VINYL	6'-8"	BEDROOM WINDOWS	NOTE 7 PER PLAN	NOTE 15 & 16	0.23	0.3	3	SINGLE DOOR	3'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	BATHROOM				
D	5'-0"	2'-0"	SLIDER	2	VINYL	6'-8"	BEDROOM WINDOWS		NOTE 15 & 16	0.23	0.3	4	SLIDING DOOR	4'-7"	6'-8"	1-3/4"	HLW	WOOD	WD	BEDROOM CLOSET				
E	6'-0"	4'-0"	SLIDER	1	VINYL	6'-8"	LIVING ROOM WINDOW		NOTE 15 & 16	0.23	0.3	5	SINGLE DOOR	3'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	BEDROOM				
F	5'-0"	4'-0"	SLIDER	1	VINYL	6'-8"	LIVING ROOM WINDOW		NOTE 15 & 16	0.23	0.3	6	SINGLE DOOR	2'-6"	6'-8"	1-3/4"	HLW	WOOD	WD	BATHROOM				
												7	SLIDING DOOR	6'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	BEDROOM CLOSET				
												8	SINGLE DOOR	2'-6"	6'-8"	1-3/4"	HLW	WOOD	WD	BEDROOM				
												9	SINGLE DOOR	2'-4"	6'-8"	1-3/4"	HLW	WOOD	WD	WATER HEATER	LOUVERED			

**WINDOW NOTES**

- SEE EXTERIOR ELEVATION FOR DIRECTION OF OPERATION OF WINDOWS (ALL OPERABLE WINDOWS TO HAVE SCREENS).
- ALL WINDOW DIMENSIONS PERTAIN TO ROUGH OPENINGS (R.O.), CONTRACTOR TO FIELD VERIFY ACTUAL DIMENSIONS FOR WINDOWS
- ALL GLAZING WILL BE INSTALLED WITH A CERTIFYING LABEL ATTACHED, SHOWING THE NFRC LABEL.
- ALL GLAZING SHALL BE SPECTRALLY SELECTIVE LOW E COATED TO MEET TITLE 24 ENERGY REQUIREMENTS.
- WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 116 E.E.S.D
- VENTILATION SHALL COMPLY WITH C.B.C. 1203.4 AND R303
- EVERY SLEEPING ROOM SHALL HAVE ONE OPERABLE WINDOW FOR EMERGENCY ESCAPE OR RESCUE WITH A MIN. NET CLEAR OPENABLE AREA OF 5.7 SQ. FT., MIN. NET CLEAR OPENABLE HEIGHT OF 24" MIN., NET CLEAR WIDTH OF 20" AND A FIN. SILL HEIGHT OF NOT MORE THAN 44" A.F.F. PER CRC SECTION 310.1.
- TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED AND VISIBLE WHEN THE UNIT IS GLAZED.
- EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL VENTILATION AND NATURAL LIGHT BY MEANS OF VENTILATION / ARTIFICIAL LIGHT. C.B.C SECTIONS 1203.4 AND 1205.1 AND R303

THE MINIMUM NET GLAZED AREA FOR NATURAL LIGHT SHALL NOT BE LESS THAN 8% OF THE FLOOR AREA OF THE ROOM SERVED. C.B.C SECTION 1205.2.  
THE MINIMUM OPENABLE AREA TO THE OUTDOORS FOR NATURAL VENTILATION SHALL BE 4% OF THE FLOOR AREA BEING VENTILATED. SECTION 1203.4

- EXTERIOR WINDOWS, WINDOW WALLS, GLAZED DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE
- FIRE-RESISTANCE RATED GLAZING TESTED AS PART OF A FIRE-RESISTANCE-RATED WALL ASSEMBLY IN ACCORDANCE WITH ASTM E 119 OR UL 263 TO BE CONSTRUCTED PER NOTE #13
- THE FOLLOWING WINDOWS SHALL BE FULLY TEMPERED: (CRC R308.4)
  - SLIDING/SWINGING GLASS DOORS
  - GLAZING IN WALLS AND ENCLOSURES FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND SWIMMING POOLS WHERE THE GLAZING IS LESS THAN 60 INCHES ABOVE THE STANDING SURFACE WITHIN THE COMPARTMENT AND WITHIN 60 INCHES HORIZONTALLY OF THE WATER'S EDGE (CRC R308.4.5)
  - GLAZING WITHIN A 24" ARC OF A DOOR THAT IS LESS THAN 60 INCHES ABOVE THE FLOOR. SAFETY GLAZING REQUIRED ON A WALL LESS THAN 180 DEGREES FROM THE PLANE OF THE DOOR IN A CLOSED POSITION AND WITHIN 24" OF HINGE SIDE OF AN IN-SWING DOOR. (R308.4.2)
  - GLAZING WHERE THE EXPOSED AREA IS GREATER THAN 95Q.FT. BOTTOM IS LESS THAN 18 IN. AND AT LEAST 36 IN. ABOVE THE FLOOR, AND ADJACENT TO A WALKING SURFACE WITHIN 60IN. OF THE BOTTOM TREAD OF A STAIRWAY AND LESS THAN 36IN. ABOVE THE LANDING
  - GLAZING IN GUARDS AND RAILINGS
  - GLAZING ADJACENT TO STAIRWAYS, LANDINGS, AND RAMPS WITHIN 36IN. HORIZONTALLY OF THE WALKING SURFACE LESS THAN 36IN. ABOVE THE WALKING SURFACE

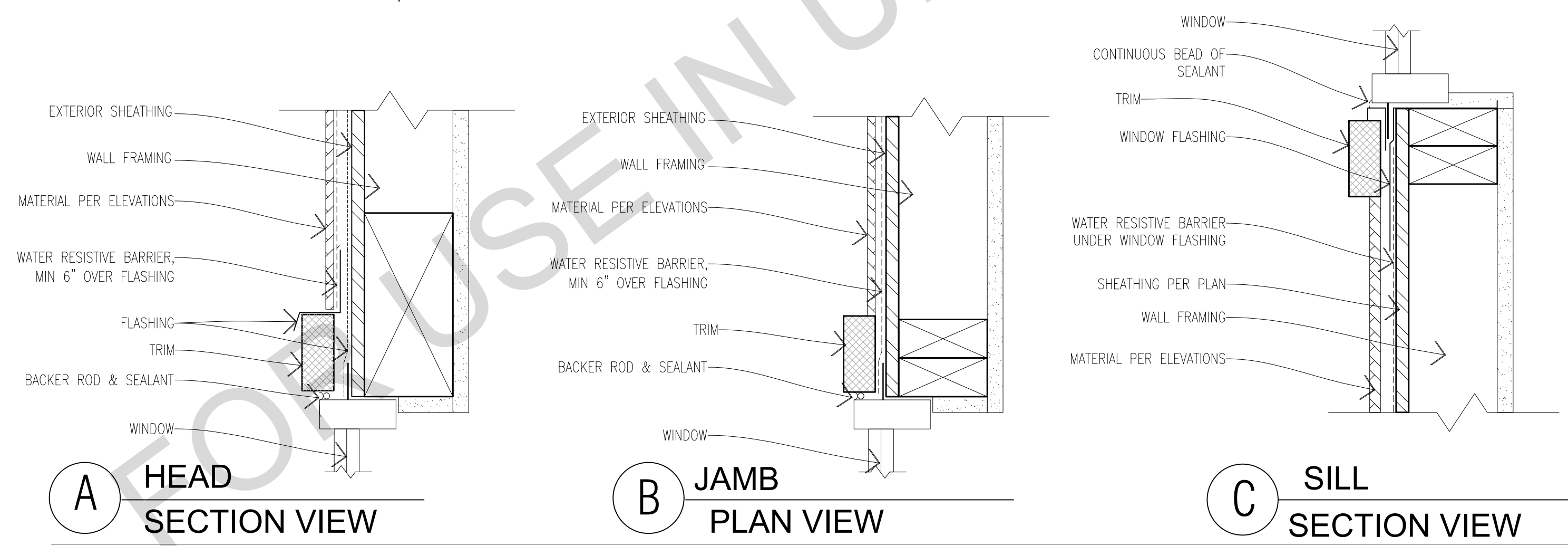
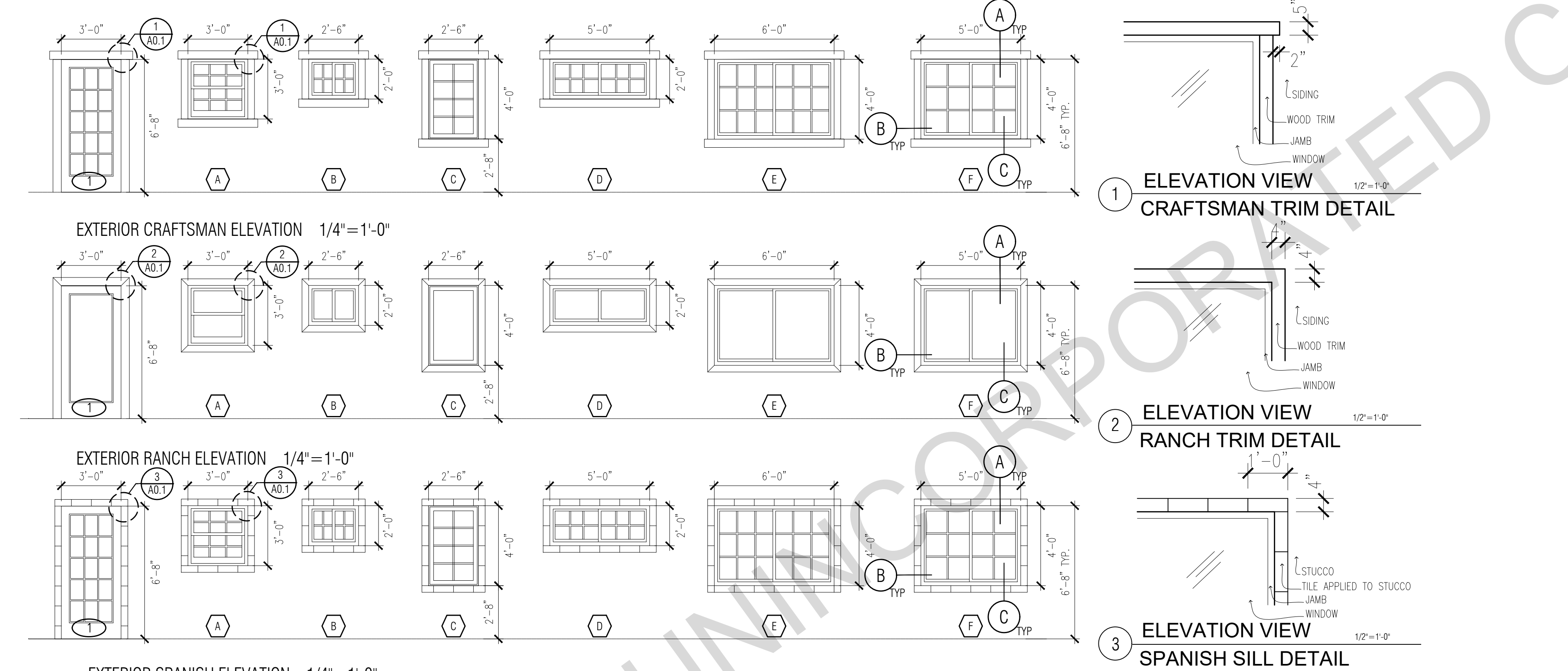
**DOOR NOTES**

- ALL GLASS IN DOORS SHALL BE TEMPERED. TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED AND VISIBLE WHEN THE UNIT IS GLAZED.
- ALL GLAZING WILL BE INSTALLED WITH A CERTIFYING LABEL ATTACHED, SHOWING THE "U" VALUE.
- REFER TO FLOOR PLANS FOR DIRECTION OF DOOR SWING.
- DOORS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 116 E.E.S.
- VENTILATION SHALL COMPLY WITH C.B.C. 1203.4 AND R303.
- DOORS MAY OPEN TO THE EXTERIOR ONLY IF THE FLOOR OR LANDING IS NOT MORE THAN 1-1/2 INCH LOWER THAN THE DOOR THRESHOLD. SECTION R311.3.1 CRC
- GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE.
- THE FOLLOWING WINDOWS SHALL BE FULLY TEMPERED: (CRC R308.4)
  - SLIDING/SWINGING GLASS DOORS
  - GLAZING IN WALLS AND ENCLOSURES FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND SWIMMING POOLS WHERE THE GLAZING IS LESS THAN 60 INCHES ABOVE THE STANDING SURFACE WITHIN THE COMPARTMENT AND WITHIN 60 INCHES HORIZONTALLY OF THE WATER'S EDGE (CRC R308.4.5)
  - GLAZING WITHIN A 24" ARC OF A DOOR THAT IS LESS THAN 60 INCHES ABOVE THE FLOOR. SAFETY GLAZING REQUIRED ON A WALL LESS THAN 180 DEGREES FROM THE PLANE OF THE DOOR IN A CLOSED POSITION AND WITHIN 24" OF HINGE SIDE OF AN IN-SWING DOOR. (R308.4.2)
  - GLAZING WHERE THE EXPOSED AREA IS GREATER THAN 95Q.FT. BOTTOM IS LESS THAN 18 IN. AND AT LEAST 36 IN. ABOVE THE FLOOR, AND ADJACENT TO A WALKING SURFACE WITHIN 60IN. OF THE BOTTOM TREAD OF A STAIRWAY AND LESS THAN 36IN. ABOVE THE LANDING
  - GLAZING IN GUARDS AND RAILINGS
  - GLAZING ADJACENT TO STAIRWAYS, LANDINGS, AND RAMPS WITHIN 36IN. HORIZONTALLY OF THE WALKING SURFACE LESS THAN 36IN. ABOVE THE WALKING SURFACE
- NOTE USED
- NOT USED
- EXTERIOR HINGED DOORS FACING THE SOURCE OF NOISE MUST BE MIN. STC 40 DB
- SLIDING GLASS DOORS NOT FACING SOURCE OF NOISE MUST BE MIN STC 35 DB. DIRECT EXPOSURE NOT PERMITTED

**VERY HIGH FIRE HAZARD SEVERITY ZONE**

**EXTERIOR WINDOWS AND DOORS**

- EXTERIOR GLAZING SHALL BE MULTI-PANE UNITS WITH A MINIMUM OF ONE TEMPERED PANE, OR GLASS BLOCK UNITS, OR MINIMUM 20-MIN. RATED OR COMPLIES WITH SFM 12-7A-2 (708A.1; R327.8.2.1)
- EXTERIOR DOORS SHALL MEET ONE OF THE FOLLOWING
  - A. NONCOMBUSTIBLE MATERIAL OR
  - B. IGNITION-RESISTANT MATERIAL OR
  - C. SOLID CORE WOOD HAVING STILES AND RAILS NOT LESS THAN 1-3/8-IN. THICK WITH INTERIOR PANEL THICKNESS NOT LESS THAN 1-1/4-IN. THICK OR
  - D. MINIMUM 20-MIN. RATE OR
  - E. COMPLIES WITH SFM 12-7A-1 (708A; R327.8)



SCALE: 3" = 1'-0"

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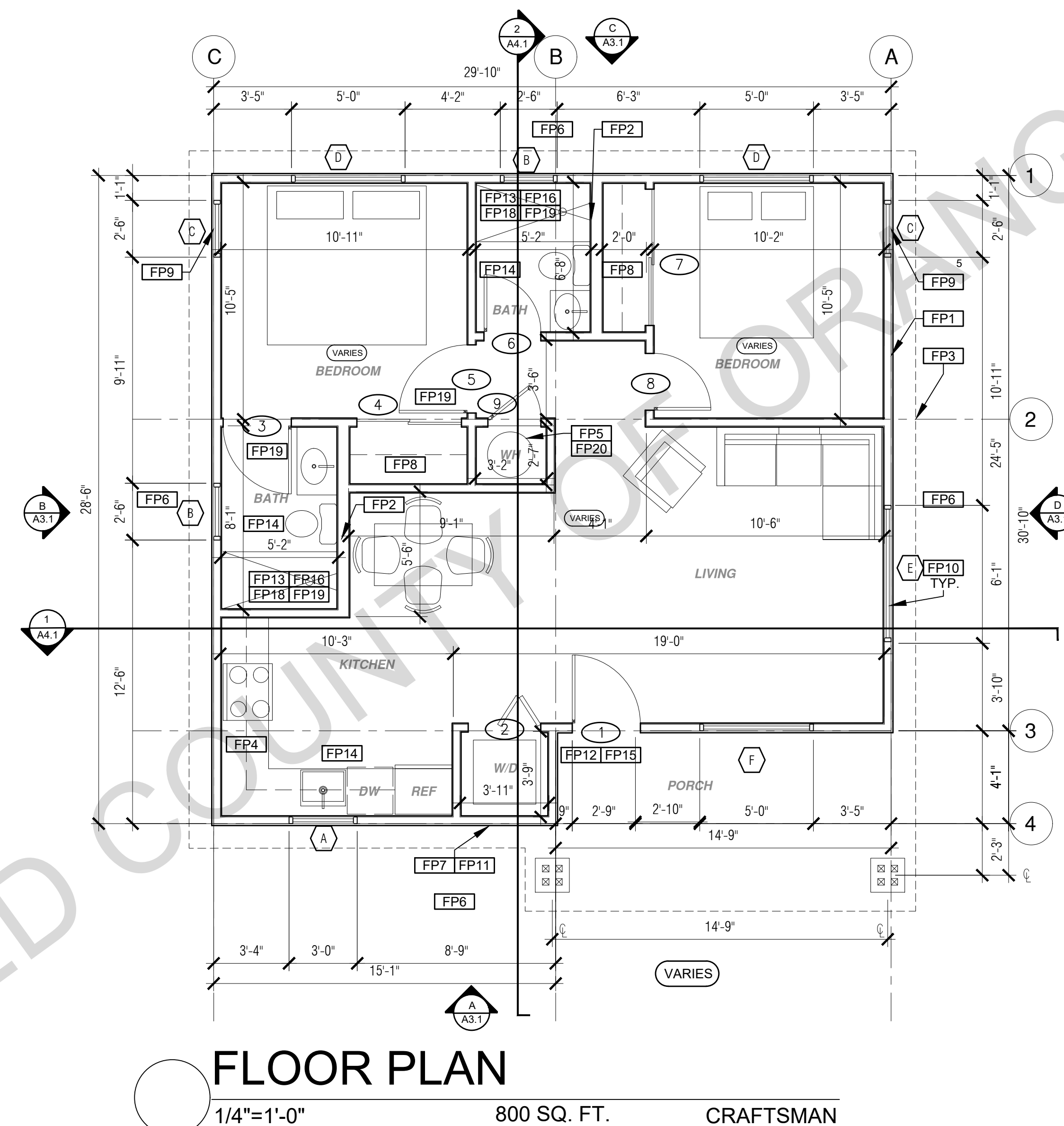
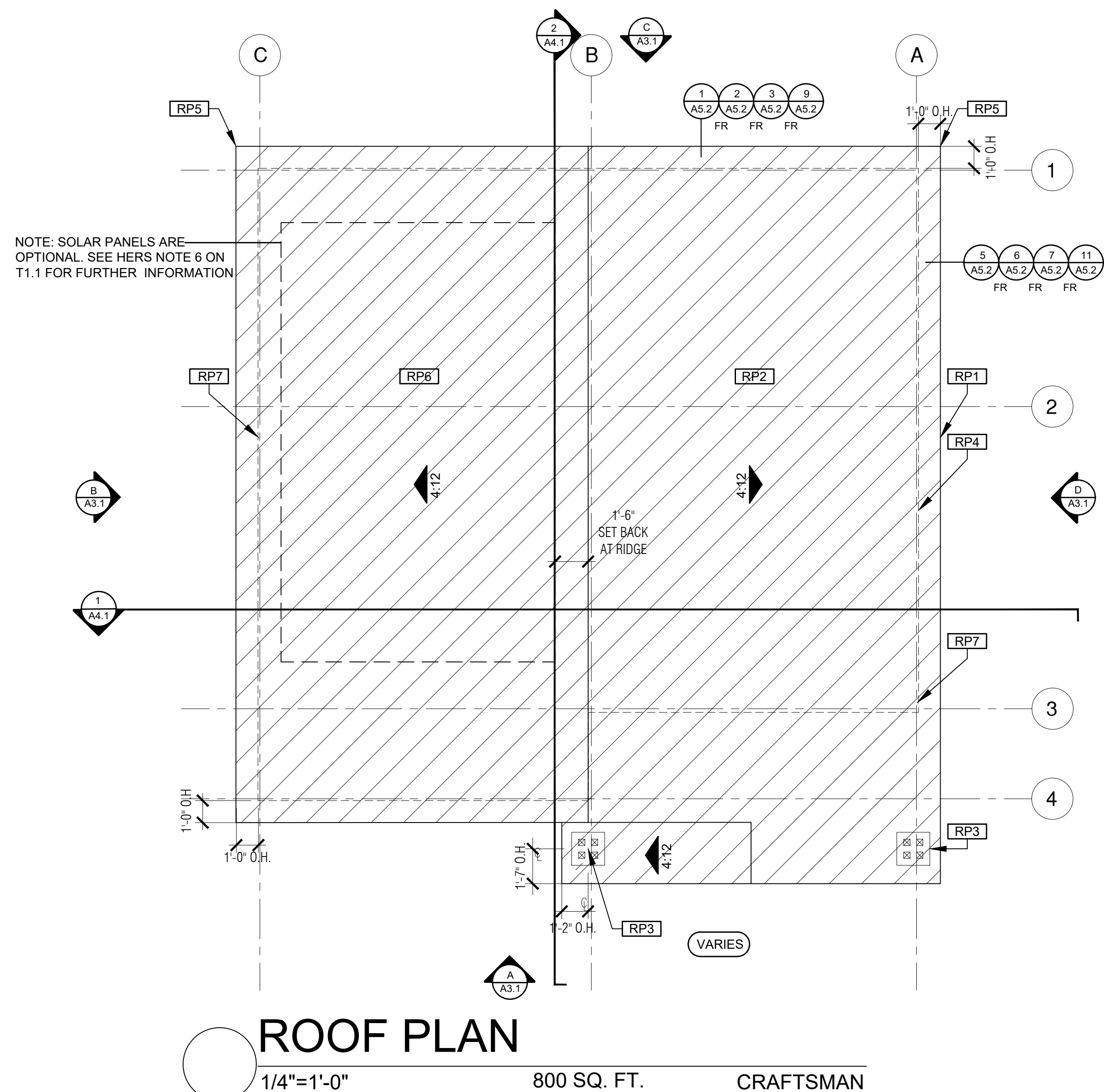
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**Schedules & Notes**

date 2024  
project no.  
drawn by DESIGN PATH STUDIO  
sheet no.

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ROOF KEYNOTES	FLOOR PLAN KEYNOTES	SOLAR READY NOTES	LEGEND	
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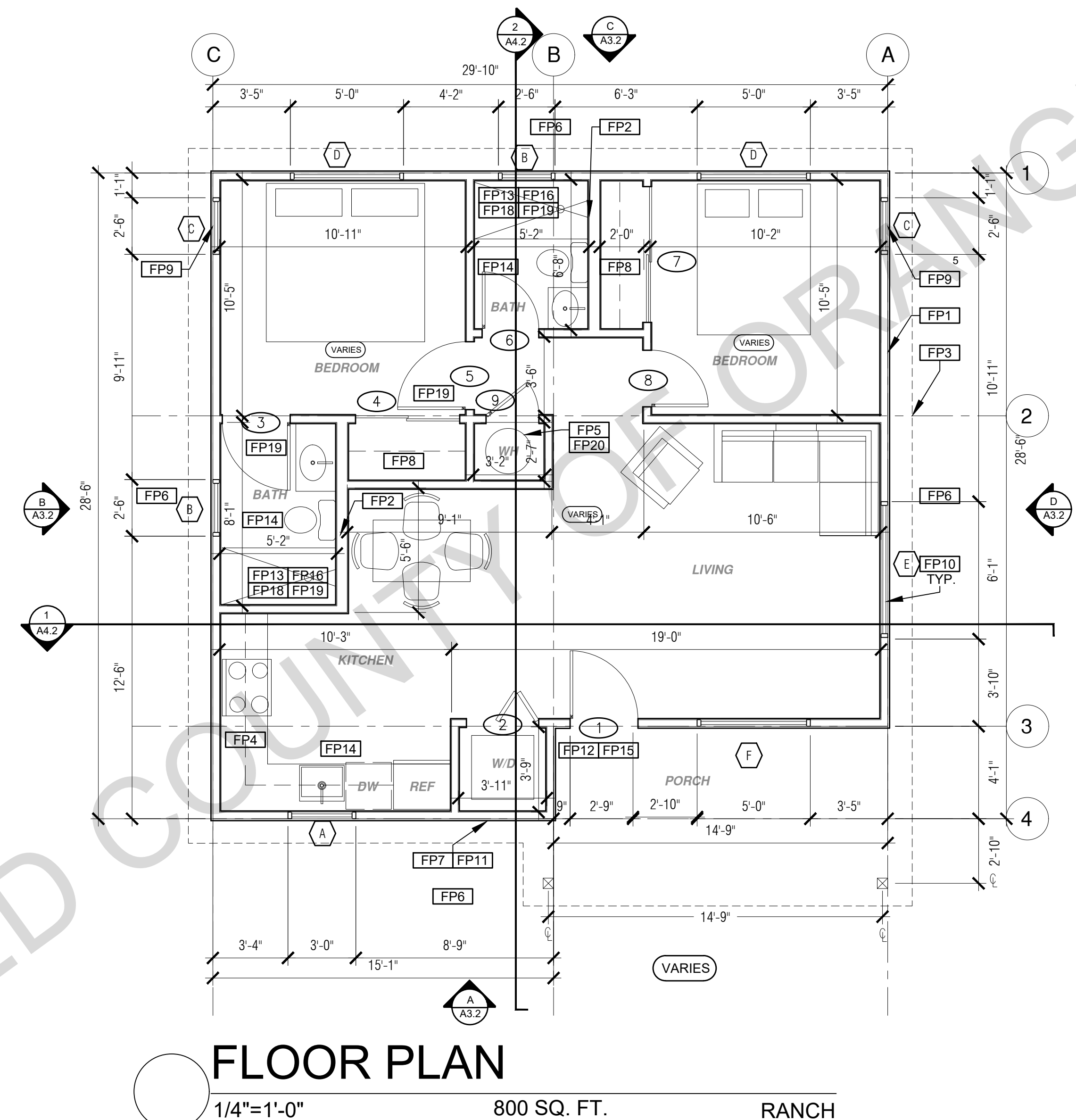
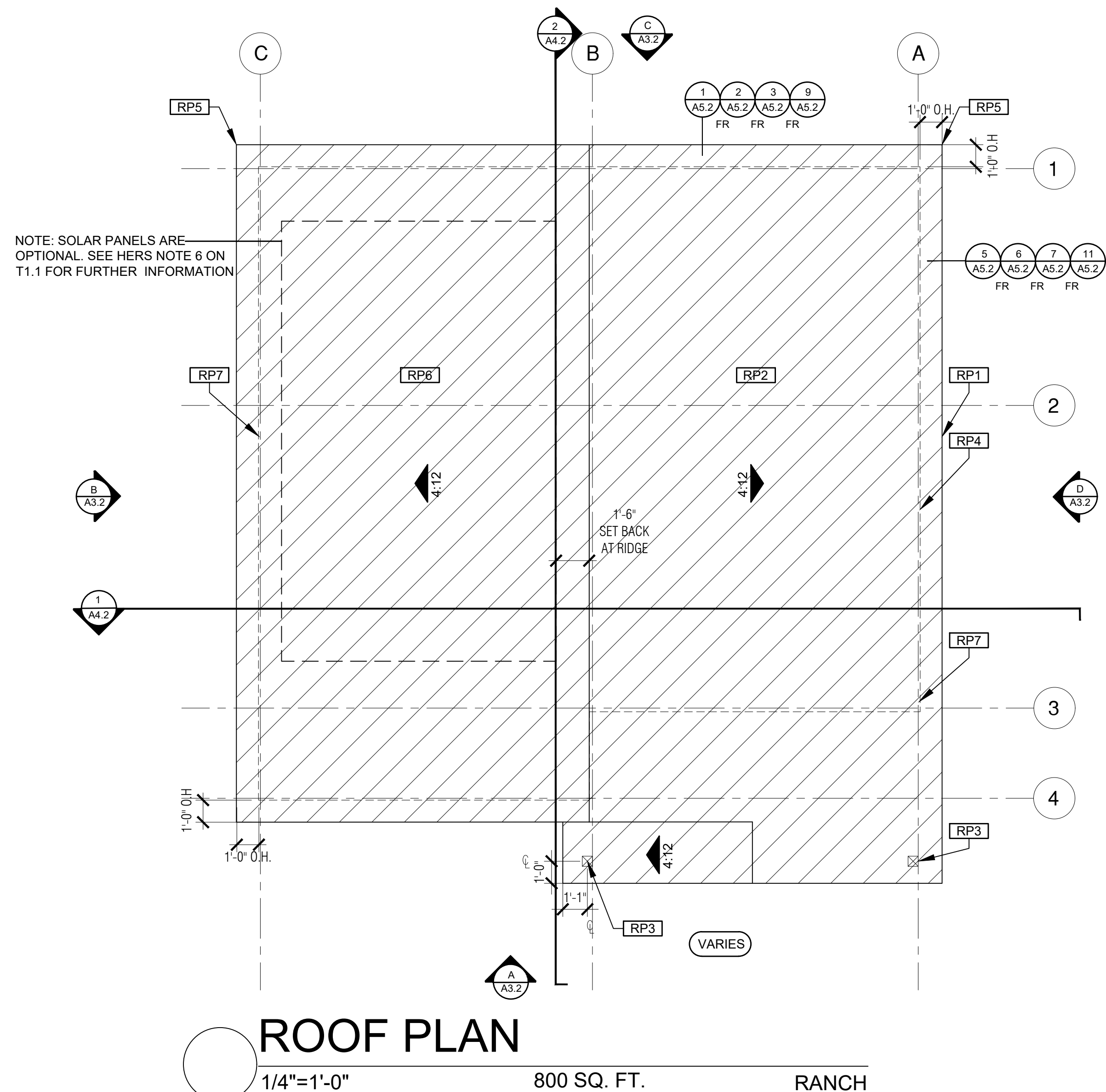
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description  
Craftsman  
Roof/Floor Plan  
2 Bedroom  
2 Bath

date 2024

project no.  
drawn by DESIGN PATH STUDIO  
sheet no. **A1.1**



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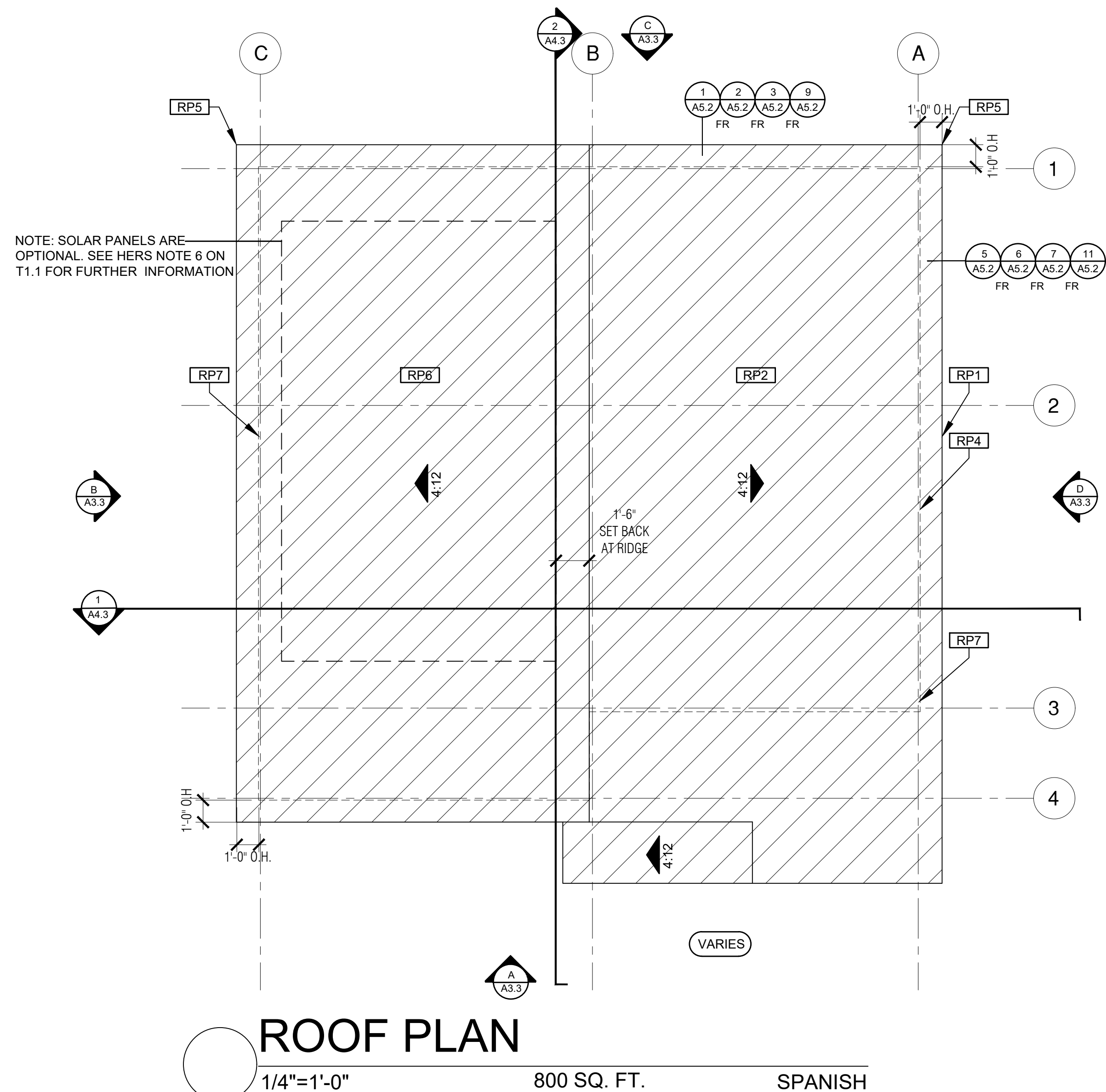
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2 Bath

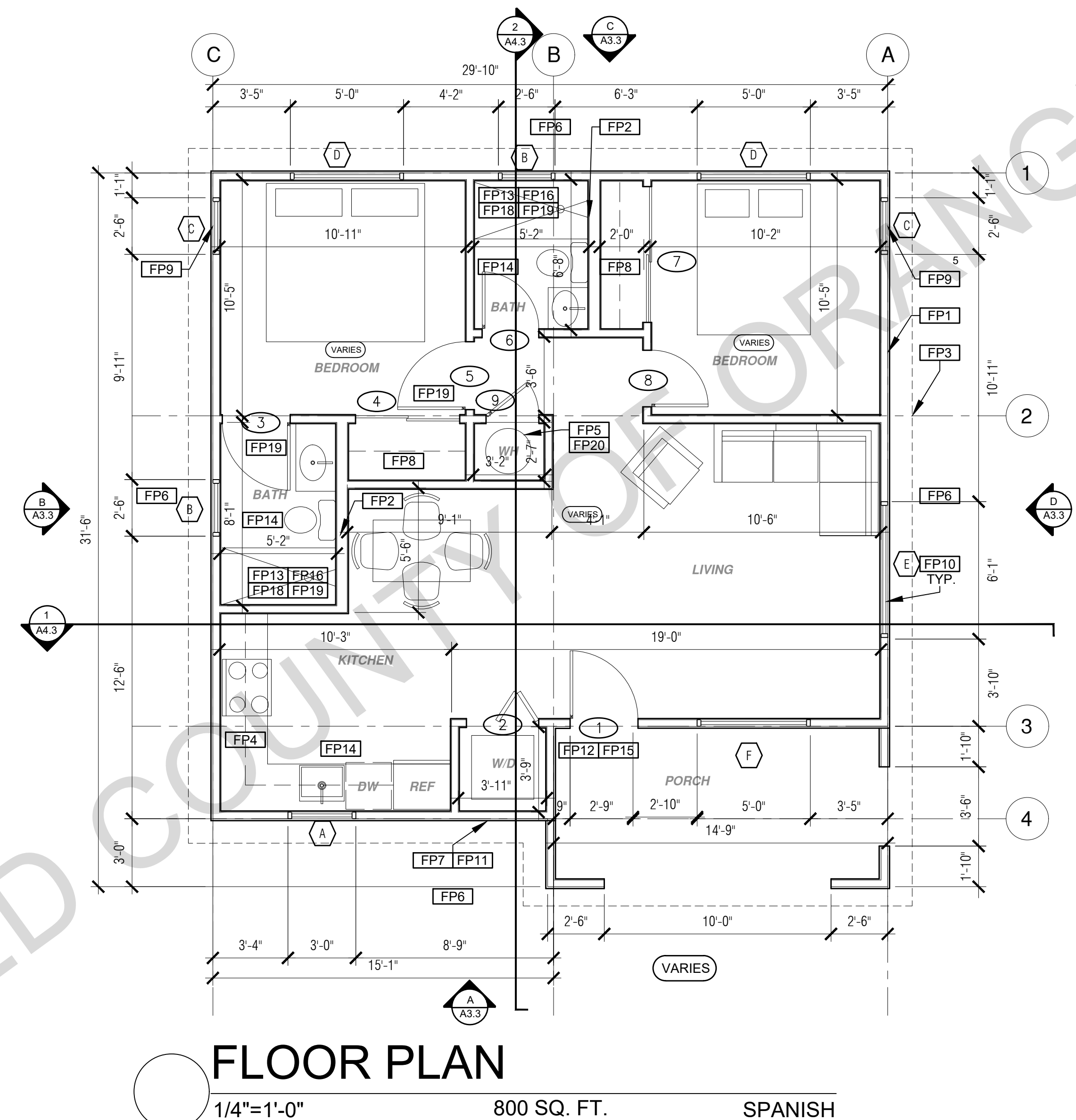
date 2024

project no.  
drawn by DESIGN PATH STUDIO  
sheet no. **A1.2**



NOTE: SOLAR PANELS ARE OPTIONAL. SEE HERS NOTE 6 ON T1.1 FOR FURTHER INFORMATION

**ROOF PLAN**  
1/4"=1'-0" 800 SQ. FT. SPANISH



**FLOOR PLAN**  
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<p><b>RP1</b> LINE OF ROOF OVERHANG</p> <p><b>RP2</b> CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2</p> <p><b>RP3</b> SUPPORT POST BELOW</p> <p><b>RP4</b> LINE OF WALLS BELOW</p> <p><b>RP5</b> ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS</p> <p><b>RP6</b> DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET</p> <p><b>RP7</b> RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX 1/4" MIN 3/4" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET</p>	<p><b>FP1</b> STUD WALL SIZED PER STRUCTURAL</p> <p><b>FP2</b> 2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING</p> <p><b>FP3</b> LINE OF OVERHANG ABOVE</p> <p><b>FP4</b> 36" HIGH COUNTER</p> <p><b>FP5</b> WATER HEATER</p> <p><b>FP6</b> SLOPE SURFACE AWAY FROM FOUNDATION. 5% SLOPE FOR A DISTANCE OF 10' OR 2% IF HARDSCAPED</p> <p><b>FP7</b> DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING</p> <p><b>FP8</b> CLOSET SHELF AND POLE</p> <p><b>FP9</b> EMERGENCY EGRESS WINDOW</p> <p><b>FP10</b> 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</p> <p><b>FP11</b> VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION</p> <p><b>FP12</b> MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HINGED AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP</p> <p><b>FP13</b> SURROUND AROUND THE SHOWER MUST BE TEMPERED. GLAZING IN THE WALLS/DOORS FACING OR CONTAINING BATHTUBS, SHOWERS, HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS AND INDOOR/OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS MORE THAN 60" MEASURED HORIZONTALLY FROM THE WATER'S EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL OR SWIMMING POOL.</p> <p><b>FP14</b> 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</p> <p><b>FP15</b> 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 1/4" 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 THAT DO NOT SWING OUTWARD.</p> <p><b>FP16</b> 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</p> <p><b>FP17</b> DOOR BELL BUTTON TO BE NO MORE THAN 48" ABOVE EXTERIOR FLOOR OR LANDING</p> <p><b>FP18</b> WATER CLOSET AND SHOWER TO HAVE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO 38" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL NOTE #32 ON SHEET G0.2 FOR FURTHER INFORMATION</p> <p><b>FP19</b> DOOR TO HAVE A NET CLEAR OPENING OF 32"</p> <p><b>FP20</b> 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)</p> <p><b>FP21</b> FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH</p>	<p><b>SOLAR READY ROOF AREA:</b> MIN DIMENSION &gt; 5FT. MIN. SF &gt; 80SF. PER CALIFORNIA ENERGY CODE SECTION 110.10(b)</p> <p>THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, AND SPACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED BY LOCAL JURISDICTION</p> <p>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.</p> <p>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.</p> <p><b>VENTING CALCULATIONS</b></p> <p>ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 800_SF VENTILATION AREA REQUIRED: 800_SF / 150SF = 5.33_SF. CONVERT TO SQ. IN. 5.33_SF x 144 = 768 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 768 SQ. IN.</p>	<p><b>SECTION CUT</b></p> <p><b>ELEVATION CALLOUT</b></p> <p><b>DETAIL DRAWING REF.</b></p> <p><b>WALL BELOW OR ROOF ABOVE</b></p> <p><b>SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2</b></p> <p><b>ROOFING</b></p> <p><b>KEYNOTE</b></p> <p><b>DOOR SYMBOL</b></p> <p><b>WINDOW SYMBOL</b></p> <p><b>CEILING HEIGHTS</b></p> <p><b>VAULTED CEILING</b></p> <p><b>ROOF SLOPE</b></p>

project  
County of Orange  
Pre-Approved  
ADU Program

OWNER NAME:  
ADDRESS:  
APN:  
LEGAL DESCRIPTION:

revisions  
△  
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△

description  
Spanish  
Roof/Floor Plan  
2 Bedroom  
2 Bath

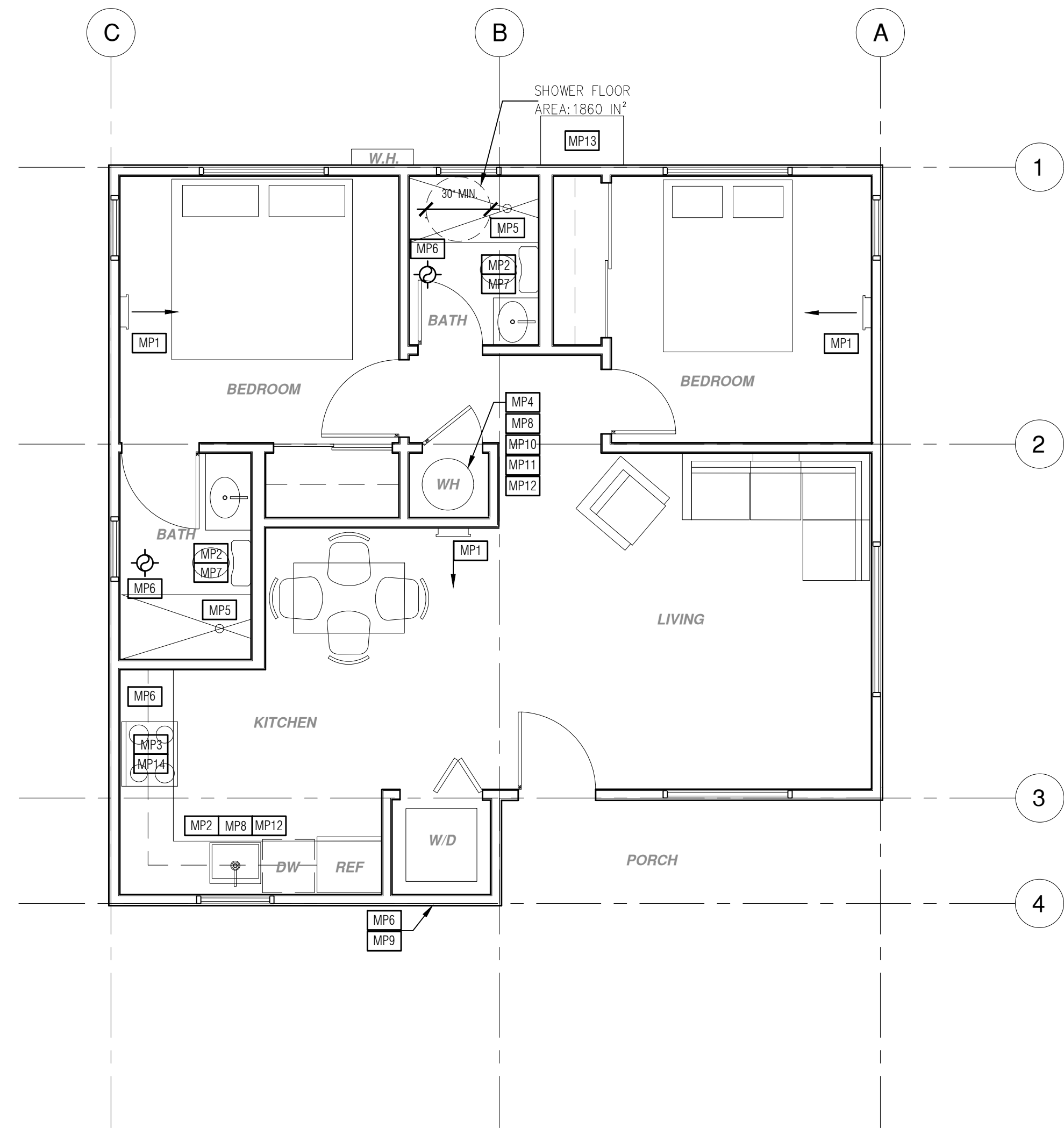
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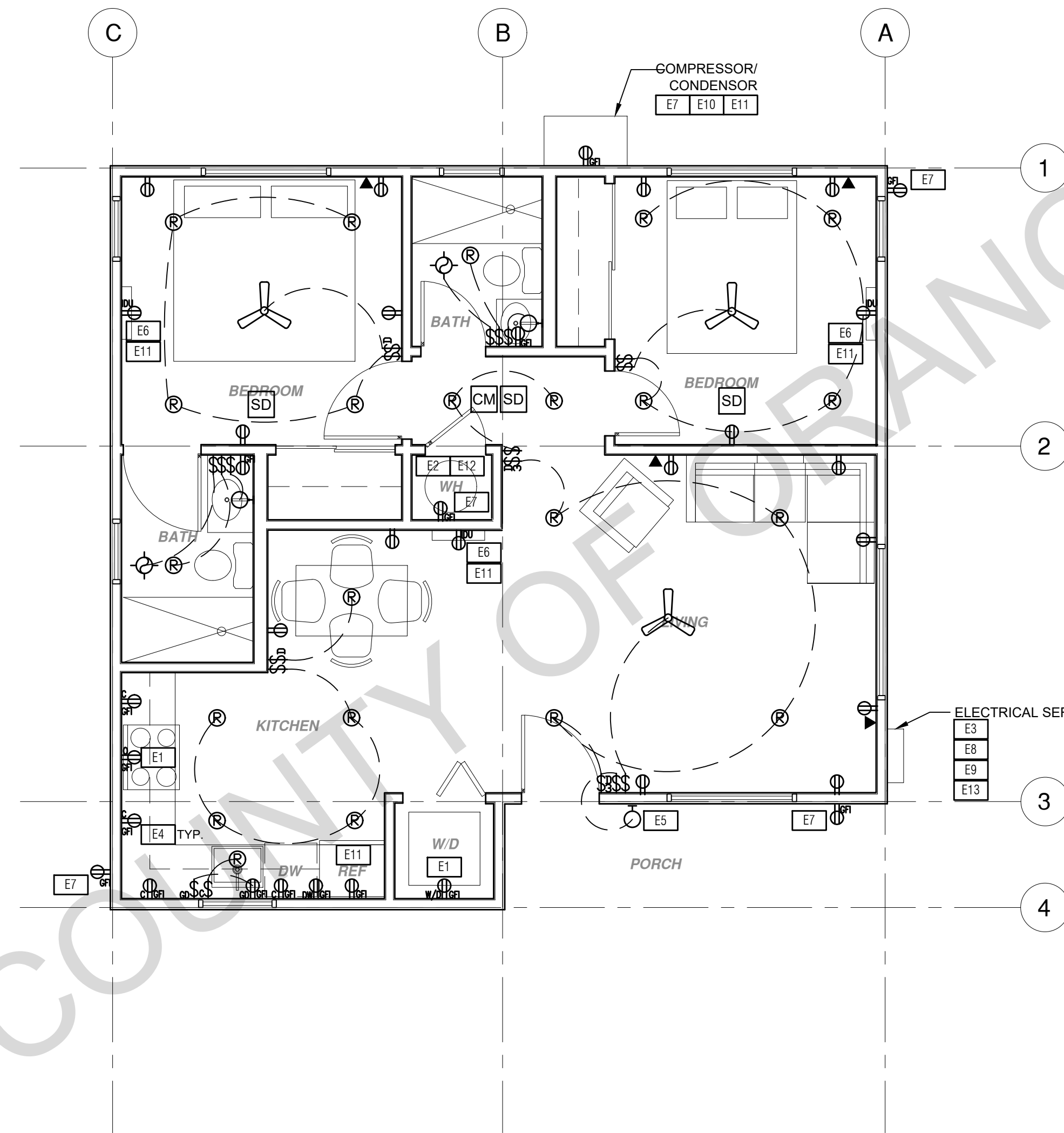
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**A1.3**



MECHANICAL / PLUMBING PLAN

1/4"=1'-0"



ELECTRICAL PLAN

1/4"=1'-0"

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MECHANICAL / PLUMBING KEYNOTES	ELECTRICAL KEYNOTES	MECHANICAL / PLUMBING LEGEND	ELECTRICAL LEGEND
<p><b>MP1</b> INDOOR UNIT MINI SPLIT SYSTEM.</p> <p><b>MP2</b> WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE NO MORE THAN 1.28 GALLONS OF WATER PER FLUSH. LAVATORIES LIMITED TO 1.2 GPM. KITCHEN FAUCETS NOT TO EXCEED 1.8 GPM AT 60 PSI. THEY CAN INCREASE THE FLOW MOMENTARILY BUT CAN EXCEED 2.2 GALLONS PER MIN. AT 80 PSI AND MUST DEFAULT TO A MAX. FLOW RATE OF 1.8 GALLONS PER MIN AT 60 PSI. AND SHOWERS NOT EXCEED 1.8 GPM. AT 80 PSI AND ALL SHALL BE CERTIFIED TO MEET THE PERFORMANCE CRITERIA OF THE EPA WATER SAVING SPECIFICATIONS FOR SHOWERHEADS. CPC SECTIONS 407, 408, 411, 412 AND SECTION 301.1.1 CALGREEN CODE AND CIVIL CODE 1101.36(i).</p> <p><b>MP3</b> EXHAUST HOOD ABOVE TO BE SMOOTH METALLIC INTERIOR SURFACE (CMC 504.3)</p> <p><b>MP4</b> NEW 40 GAL. HEAT PUMP WATER HEATER - TO HAVE CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2" ABOVE THE BASE OF THE HEATER THAT ALSO ALLOWS GRAVITY DRAINAGE</p> <p><b>MP5</b> CONTROL VALVES IN SHOWERS, BATHTUBS, &amp; BIDETS MUST BE PRESSURE-BALANCED OR THERMOSTATIC MIX VALVES</p> <p><b>MP6</b> MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS</p> <p><b>MP7</b> CLEARANCE FOR WATER CLOSET TO BE A MIN. OF 24" IN FRONT, AND 15" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. (CPC 402.5)</p> <p><b>MP8</b> THE 1/2" SIZE HOT WATER PIPE TO THE KITCHEN SINK AND THE COLD WATER PIPE WITHIN 5' OF WATER HEATER BOTH REQUIRE 1" INSULATION</p> <p><b>MP9</b> DRYER EXHAUST OUTLET FROM DRYER TO EXTERIOR MAX LENGTH 14' WITH MAXIMUM OF TWO 90° ELBOWS EXHAUST VENT MUST TERMINATE MIN. OF 3' FROM ANY OPENING MIN. TYPE 1 CLOTHES DRYER EXHAUST DUCTS SHALL BE OF RIGID METAL &amp; SHALL HAVE SMOOTH INTERIOR SURFACES. THE DIAMETER SHALL BE NOT LESS THAN 4 INCHES NOMINAL (100 MM), &amp; THE THICKNESS SHALL BE NOT LESS THAN 0.016 OF AN INCH (0.406 MM). EXHAUST DUCTS &amp; DRYER VENTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPERS</p> <p><b>MP10</b> NEW WATER HEATER WITH T&amp;P RELIEF VALVE AND DISCHARGE PIPE AT EXTERIOR. PROVIDE COMBUSTION AIR AND CLEARANCES PER MANUFACTURER REQUIREMENTS.</p> <p><b>MP11</b> WATER HEATER SHALL HAVE ISOLATION VALVES ON BOTH THE COLD AND THE HOT WATER PIPES LEAVING THE WATER HEATER COMPLETE WITH HOSE BIBS OR OTHER FITTINGS ON EACH VALVES FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED</p> <p><b>MP12</b> ALL DOMESTIC HOT WATER PIPING TO HAVE THE FOLLOWING MINIMUM INSULATION INSTALLED: 2" PIPE (R-INSULATION); 1" TO 1-1/2" PIPE (1-1/2" INSULATION)</p> <p><b>MP13</b> OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT</p> <p><b>MP14</b> A MINIMUM RATING HOOD OVER ELECTRICAL RANGE INDOOR AIR QUALITY FAN IS REQUIRED IN THE KITCHEN AND SHALL BE HERS VERIFIED PER CEC TABLE 150.0-6: 160 cfm OR 65% CE AT &lt;math&gt;750\text{ s.f.}&lt;/math&gt;, 130 cfm OR 65% CE AT &lt;math&gt;750-1000\text{ s.f.}&lt;/math&gt;, 110 cfm OR 65% CE AT &lt;math&gt;1000-1500\text{ s.f.}&lt;/math&gt;, OR 110 cfm OR 65% CE AT &gt;1500 s.f.</p>	<p><b>E1</b> DEDICATED 30 AMP/240V POWER FOR ELECTRIC DRYER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE SPECIFICATIONS</p> <p><b>E2</b> OUTLET FOR NEW WATER HEATER WITHIN 3' OF WATER HEATER.</p> <p><b>E3</b> MAIN ELECTRICAL SERVICE PANEL FOR ADU TO HAVE A 20AMP MINIMUM BUSBAR RATING PER MANDATORY MEASURE 110.10(a) SEE ELECTRIC READY NOTE (5) ON G0.2 FOR MORE INFORMATION</p> <p><b>E4</b> OUTLET AT COUNTER HEIGHT - SHALL COMPLY WITH CEC ARTICLE 210.52(C). IN KITCHENS A RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH COUNTER SPACE 12" OR WIDER. SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL IS MORE THAN 24" ISLAND IN PENINSULAR COUNTERTOPS 12" X 24" LONG OR GREATER)</p> <p><b>E5</b> OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.</p> <p><b>E6</b> OUTLET DEDICATED FOR INDOOR HVAC UNIT</p> <p><b>E7</b> WEATHER RESISTANT TYPE RECEPTABLES GFCI PROTECTED</p> <p><b>E8</b> OVER-CURRENT FEEDER TO EXTEND TO EXISTING PANEL. ALUMINUM CONDUCTOR BURIED UNDER GROUND WITH AWG ALLOWABLE VOLTAGE DROP PER CEC 250.4</p> <p><b>E9</b> SEPARATE GROUND ELECTRODE SYSTEM PER CEC 250.4</p> <p><b>E10</b> OUTDOOR CONDENSING UNIT RECEPTACLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF THE HEATING AND COOLING EQUIPMENT AND SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE EQUIPMENT. THIS RECEPTACLE SHALL BE GFCI-WP PROTECTED.</p> <p><b>E11</b> A DISCONNECTING MEANS CAPABLE OF DISCONNECTING AIR-CONDITIONING AND REFRIGERATING EQUIPMENT, INCLUDING MOTOR-COMPRESSORS AND CONTROLLERS FROM THE CIRCUIT CONDUCTOR IS REQUIRED WITHIN SIGHT FROM THE EQUIPMENT LOCATION PER CEC SECTION 440.11</p> <p><b>E12</b> PER CEC 2022 150.0(N) 1.A. THE DESIGNATED SPACE AND WATER HEATER AND IS TO COMPLY WITH ELECTRICAL NOTES 15816 ON SHEET G0.2</p> <p><b>E13</b> CONTRACTOR TO VERIFY MAIN PANEL</p> <p><b>E14</b> ALL GAS BURNING APPLIANCES SHALL BE ELECTRIC READY PLEASE SEE ELECTRIC READY NOTES ON G0.2</p>	<p><b>MECHANICAL</b></p> <p>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.</p> <p>DUCT SYSTEMS ARE SIZED, DESIGNED AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS:</p> <ol style="list-style-type: none"> <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 MANUAL D-2014 OR EQUIVALENT.</li> <li>SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S-2014 OR EQUIVALENT.</li> </ol> <p>RETURN AIR GRILLE, WALL MOUNTED</p> <p>SUPPLY AIR DIFFUSER, WALL MOUNTED</p> <p>THERMOSTAT</p> <p>HOSE BIB</p>	<p><b>FIRE DETECTION</b></p> <p>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 OF THE ALARMS IN THE UNIT.</p> <p>SHALL COMPLY WITH THE FOLLOWING:</p> <ul style="list-style-type: none"> <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 20" FROM A COOKING APPLIANCE OR 10" FROM COOKING APPLIANCE WHEN THE ALARM IS AN IONIZING SMOKE ALARM PER NFPA 72 SECTION 28.3.4 ITEM 4</li> <li>AT LEAST 3' FROM SUPPLY REGISTERS OF A HEATING/COOLING SYSTEM</li> </ul> <p>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 OF THE ALARMS IN THE UNIT.</p> <p><b>POWER/DATA</b></p> <p>TAMPER RESISTANT RECEPTACLE WALL MOUNTED, 110 V DUPLEX U.O.N</p> <p>ELECTRICAL OUTLETS IN KITCHENS SHALL BE BOTH AFCI AND GFCI. ALL ELECTRICAL OUTLETS WITHIN REACH SHALL BE TAMPER RESISTANT PER CEC 406.11</p> <p>OUTDOOR ELECTRICAL OUTLETS SHALL BE GFCI, W.P. AND HAVE BOBBLE COVER PER CEC406.3.</p> <p>GFI = WATER PROOF GFCI CT = COOKTOP GRILL 240 V O = OVEN 240 V MW = MICROWAVE 110 V GD = GARBAGE DISPOSAL 110 V R = RANGE 220V C = COUNTER HEIGHT 6" ABV COUNTER IDU = INDOOR UNIT POWER 84" AFF WD = WASHER/DRYER 30AMP/240AMP PHONE / DATA / MEDIA</p> <p>CEILING, WATERPROOF OUTLET FLOOR MOUNTED DUPLEX RECEPTACLE, VERIFY LOCATION IN FIELD SPECIAL PURPOSE CONNECTION (VOLTAGE SHALL MATCH APPLIANCE REQ.) SUB PANEL</p> <p><b>SWITCHING</b></p> <p>SWITCH MOUNT AT 48" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER</p> <p><b>MISC.</b></p> <p>CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON</p> <p><b>LIGHTING</b></p> <p>CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SLOWLY TYPE WHEN UNDER COUNTER)</p> <p><b>BATHROOM EXHAUST FAN REQUIREMENTS:</b> PER CGBC 4.506.1-1 EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING: 1. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING. 2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL. A. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF &lt;math&gt;\leq 50\%&lt;/math&gt; TO A MAXIMUM OF 80%. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT. B. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL (I.E. BUILT IN)</p> <p><b>RESIDENTIAL ENERGY LIGHTING REQUIREMENTS:</b> "ALL LIGHT FIXTURES TO BE HIGH EFFICIENCY 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-HALF OF THE WATTAGE RATING OF ALL REMAINING FIXTURES SHALL BE HIGH EFFICACY OR BE CONTROLLED BY A VACANCY SENSOR. *LIGHTING INSTALLED IN GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS SHALL BE HIGH EFFICACY AND BE CONTROLLED BY VACANCY SENSORS.</p>

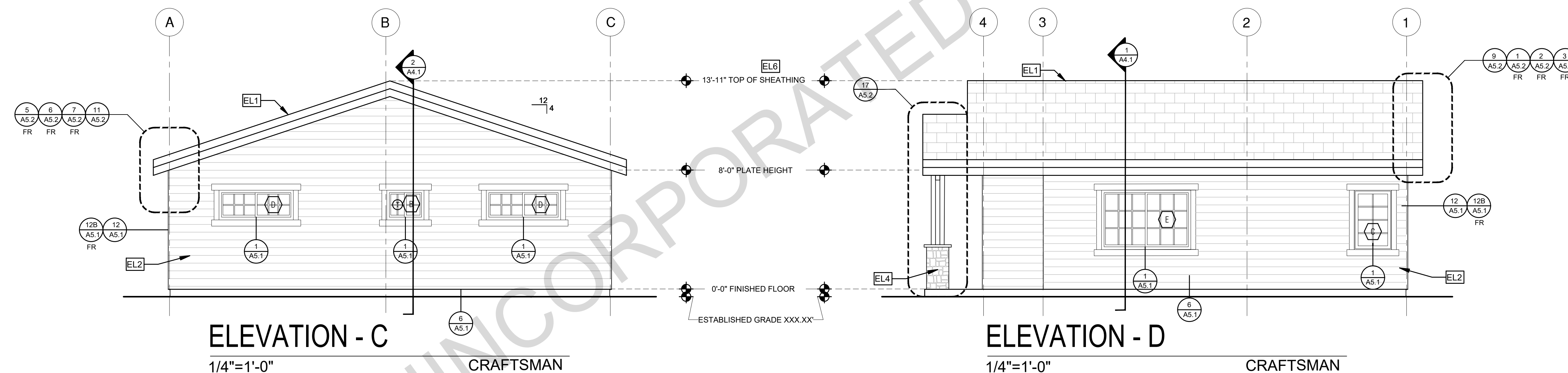
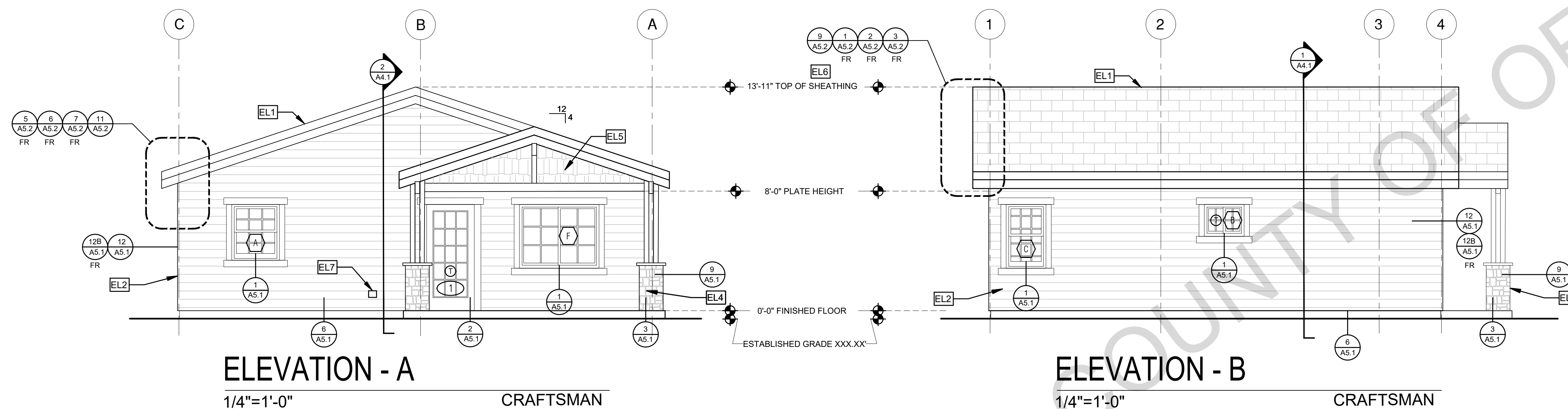
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Plans

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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 TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

ELEVATION GENERAL NOTES	
1. ALL DIMENSIONS TO FINISH FACE, U.N.O.	7. FRAMING ELEVATIONS, INCLUDING FLOOR PLATES AND FLOOR LEVEL ELEVATIONS ARE MEASURED FROM BUILDING FINISH FLOOR, U.N.O.
2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.	8. SEE ROOF PLAN FOR APPROXIMATE DOWNSPOUT LOCATIONS, 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.	10. CONTRACTOR TO VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK
4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS	
5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS	
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LEGEND			
	SECTION CUT		KEYNOTE
	ELEVATION CALLOUT		DOOR SYMBOL
	DETAIL DRAWING REF.		WINDOW SYMBOL
	ELEVATION MARKER		TEMPERED GLASS
			GLAZING
			ROOFING
			SHINGLES
			SIDING
			SPRAY FIN STUCCO
			STONE VENEER

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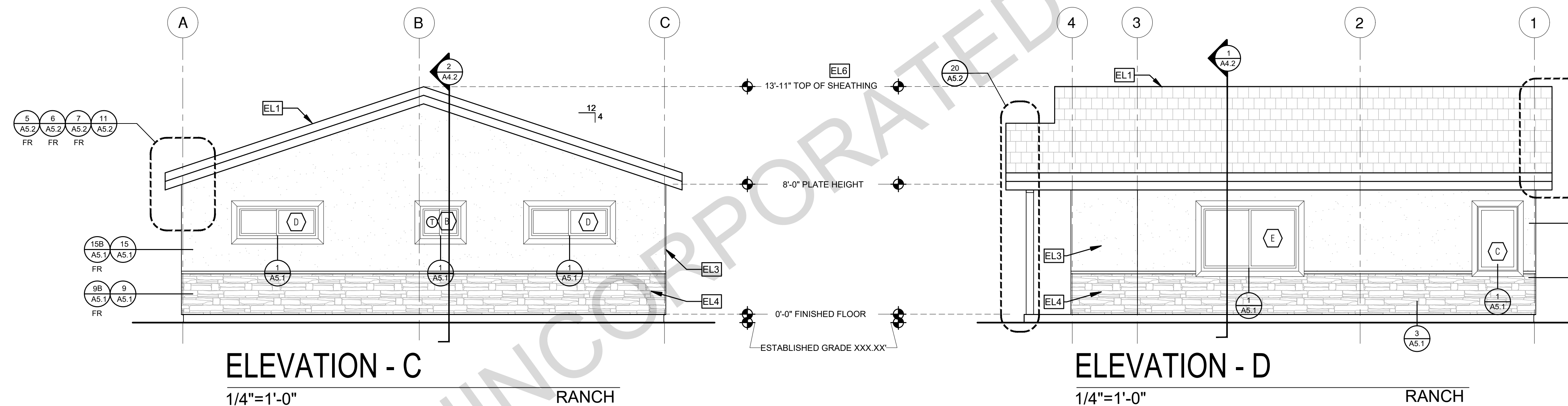
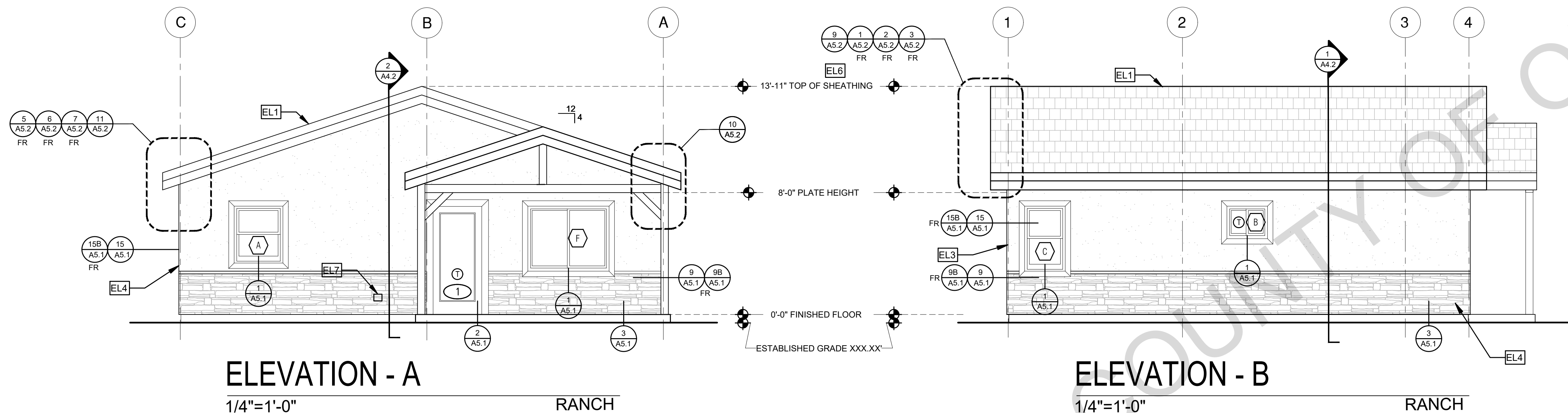
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ADDRESS:  
APN:  
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revisions  
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description  
Exterior Elevations  
Craftsman  
2 Bedroom  
2 Bath

date 2024  
project no.  
drawn by DESIGN PATH STUDIO  
sheet no.

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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 TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

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LEGEND			
	SECTION CUT		KEYNOTE
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	DETAIL DRAWING REF.		WINDOW SYMBOL
	ELEVATION MARKER		TEMPERED GLASS
			GLAZING
			ROOFING
			SHINGLES
			SIDING
			SPRAY FIN STUCCO
			STONE VENEER

project  
County of Orange  
Pre-Approved  
ADU Program

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ADDRESS:  
APN:  
LEGAL DESCRIPTION:

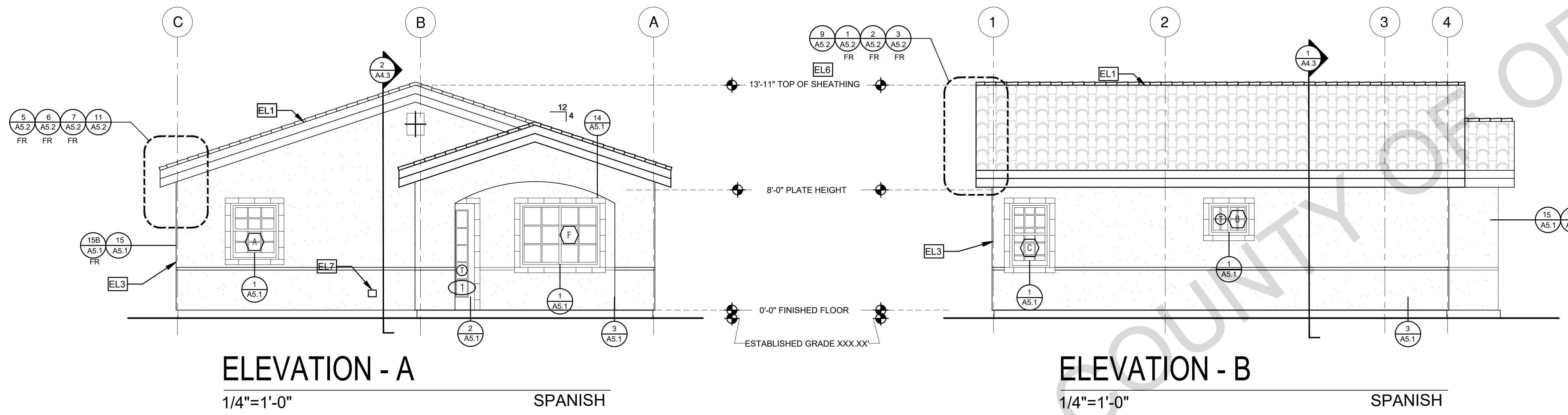
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description  
Exterior  
Elevations Ranch  
2 Bedroom  
2 Bath

date 2024  
project no.  
drawn by DESIGN PATH STUDIO  
sheet no.

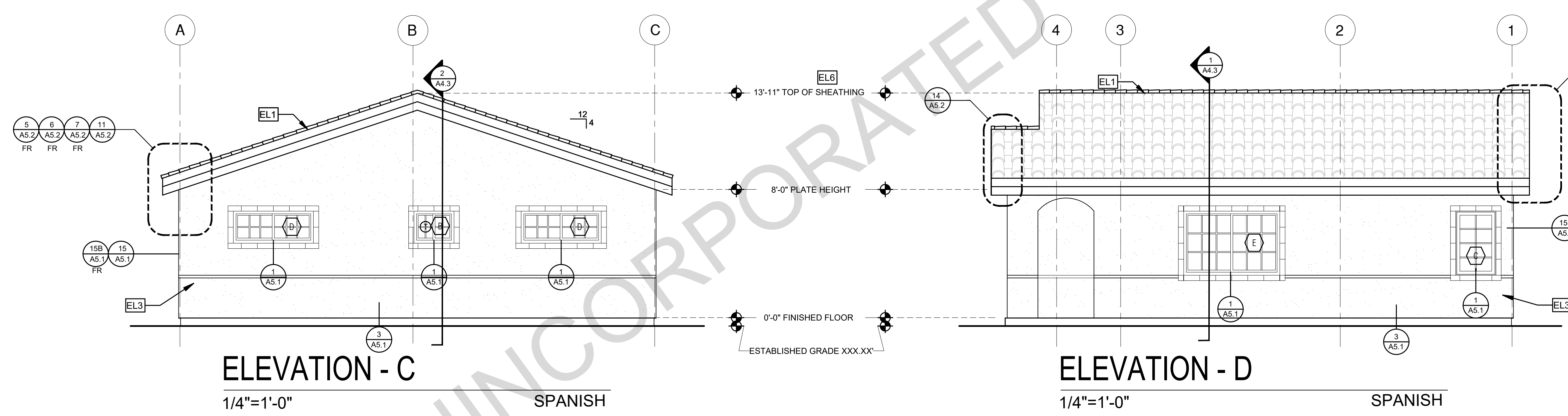
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ELEVATION - A  
1/4"=1'-0"

ELEVATION - B  
1/4"=1'-0"



ELEVATION - C  
1/4"=1'-0"

ELEVATION - D  
1/4"=1'-0"

ELEVATION KEYNOTES	
EL1	MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS
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LEGEND			
	SECTION CUT		KEYNOTE
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	DETAIL DRAWING REF.		WINDOW SYMBOL
	ELEVATION MARKER		TEMPERED GLASS
			GLAZING
			ROOFING
			SHINGLES
			SIDING
			SPRAY FIN STUCCO
			STONE VENEER

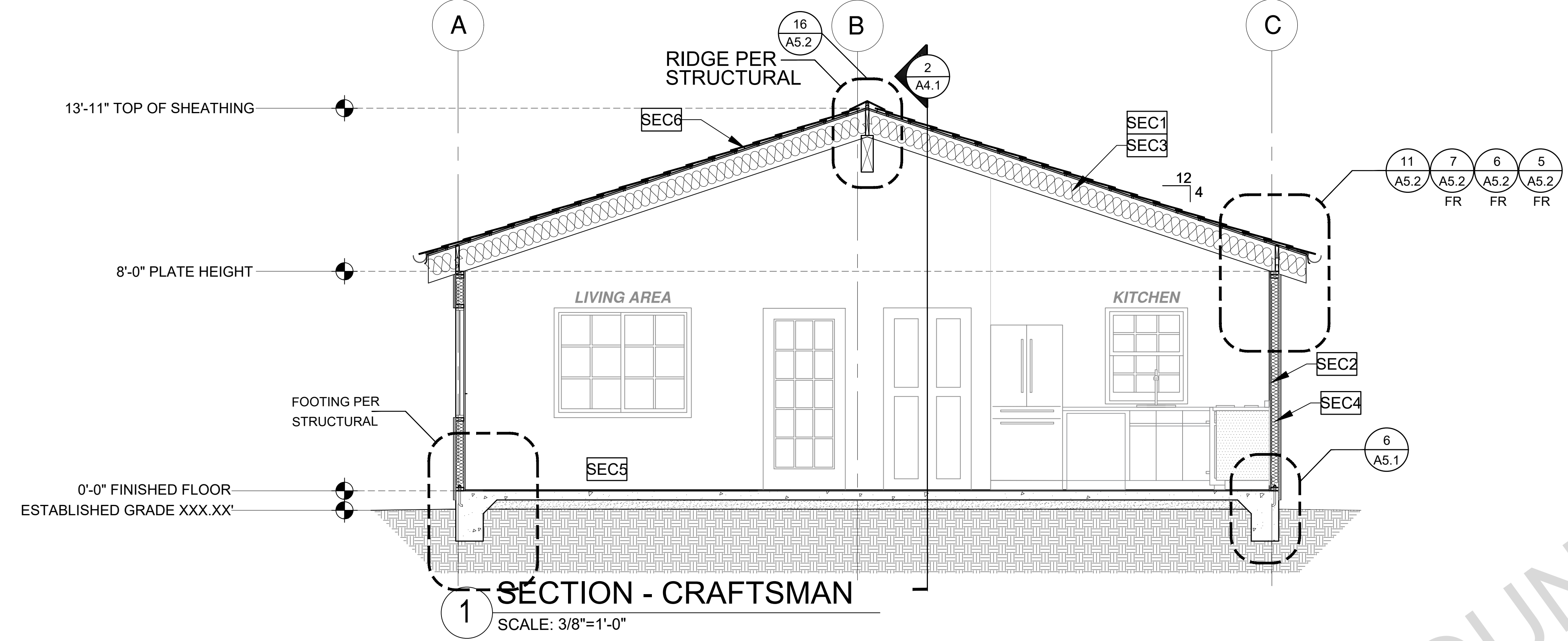
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County of Orange  
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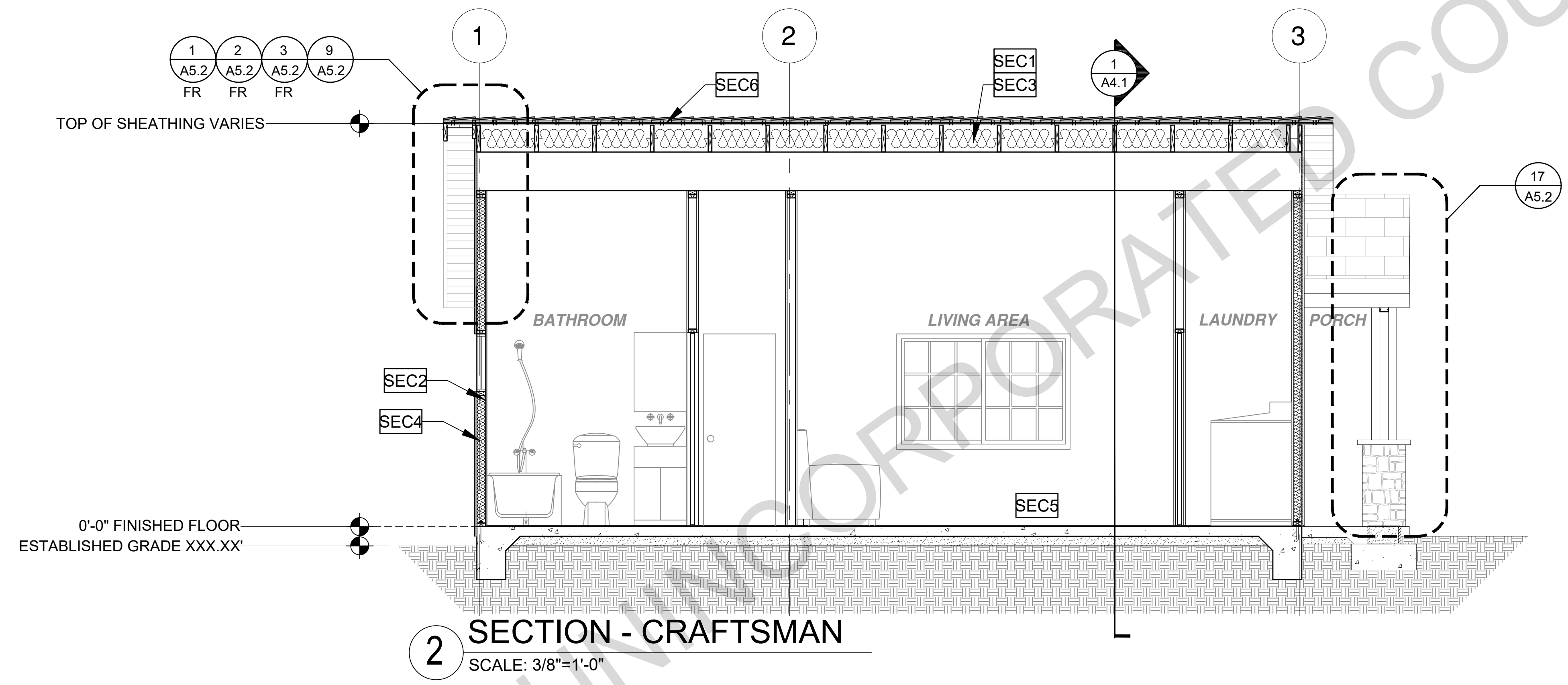
revisions  
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description  
Exterior Elevations  
Spanish  
2 Bedroom  
2 Bath

date 2024  
project no.  
drawn by DESIGN PATH STUDIO  
sheet no.



1 SECTION - CRAFTSMAN  
SCALE: 3/8"=1'-0"



2 SECTION - CRAFTSMAN  
SCALE: 3/8"=1'-0"

SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
<p><b>SEC1</b> RAFTERS PER PLAN SEE STRUCTURAL</p> <p><b>SEC2</b> 2X STUDS @ 16" O.C. - SEE STRUCTURAL</p> <p><b>SEC3</b> CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p><b>SEC4</b> WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p><b>SEC5</b> CONC. SLAB ON GRADE SEE STRUCTURAL</p> <p><b>SEC6</b> MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS</p>	<p>1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS, ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTALLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3.</p> <p>2. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX 1/2" MIN 1/4" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL.</p> <p>3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF RAFTERS TO ACCOMMODATE RECESSED LIGHTS EXHAUST FANS OR OTHER ELECTRICAL/MECHANICAL FIXTURES.</p> <p>4. WOOD SOFFIT/CEILING, SIDING &amp; TRIM ALL NAILS, FASTENERS AND HARDWARE MUST BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. STAPLES ARE NOT PERMITTED.</p> <p>5. INSULATION THERMAL INSULATION IS TO BE FOIL BACKED BATT INSULATION WITH AN R VALUE NOT LESS SPECIFIED IN THE TITLE 24 ENERGY CALCULATIONS. AT BATHROOMS, LAUNDRY ROOM, AND MASTER BED/BATHROOMS INSULATION IS TO BE PROVIDED WITH SOUND INSULATION.</p> <p>6. FLASHING AND SHEET METAL ALL FLASHING AND COUNTERTOP FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.</p> <p>7. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.</p> <p>8. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, &amp; STRUCTURAL PLANS. "KEYNOTES ONLY APPLY IF REFERENCED ON PLANS"</p> <p>1. INSULATION: REFER TO TITLE 24 REPORT FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION</p> <p>2. FIRE BLOCKING TO BE LOCATED AT THE FOLLOWING LOCATIONS PER 2019 CRC SECTION R302.11: A. SECTION R302.11-1 1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR LEVELS B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT</p> <p>9. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND COVE CEILINGS</p> <p>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</p> <p>FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION</p> <p>11. SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL NUMBER 2. TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 3. THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD STRUCTURAL PANELS 4. THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5. ONE HALF-INCH GYPSUM BOARD 6. ONE FOURTH-INCH CEMENT-BASED MILLBOARD 7. BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE 8. CELLULOSE INSULATION INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION</p>	<p><b>LEGEND</b></p> <p> SECTION CUT</p> <p> ELEVATION CALLOUT</p> <p> DETAIL DRAWING REF.</p> <p> ELEVATION MARKER</p>

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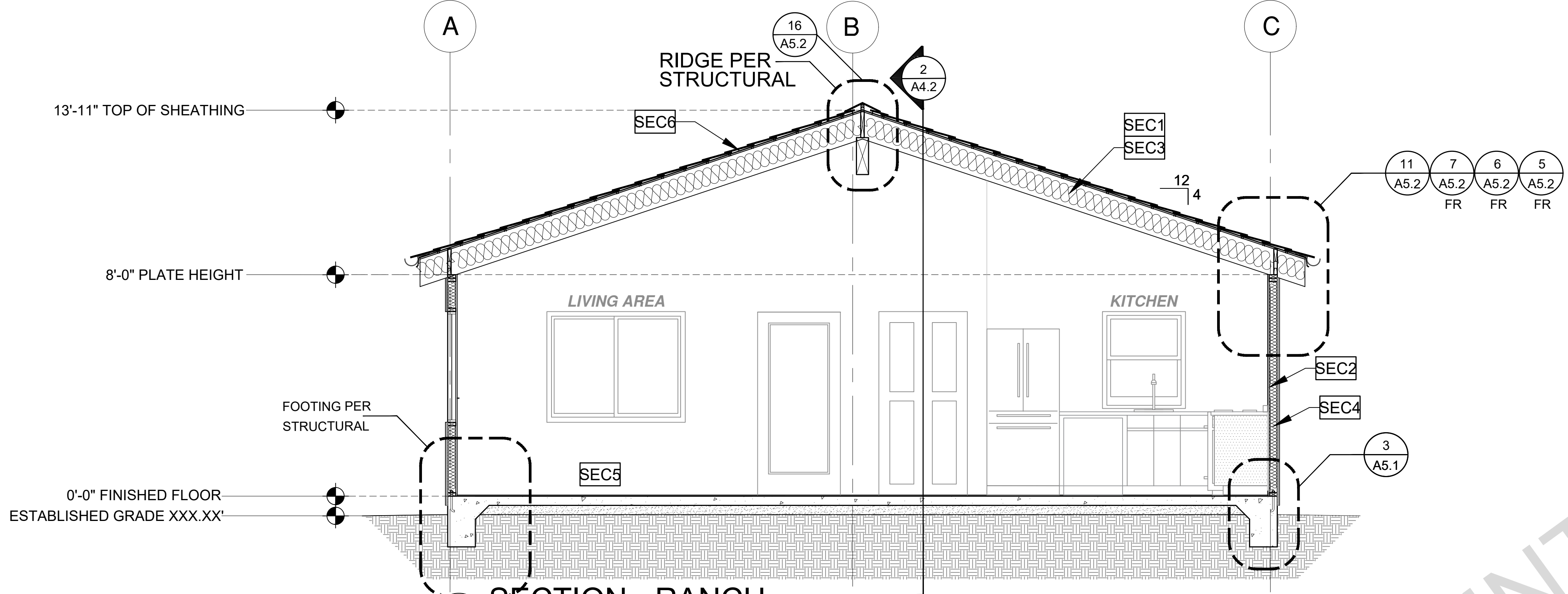
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2 Bedroom  
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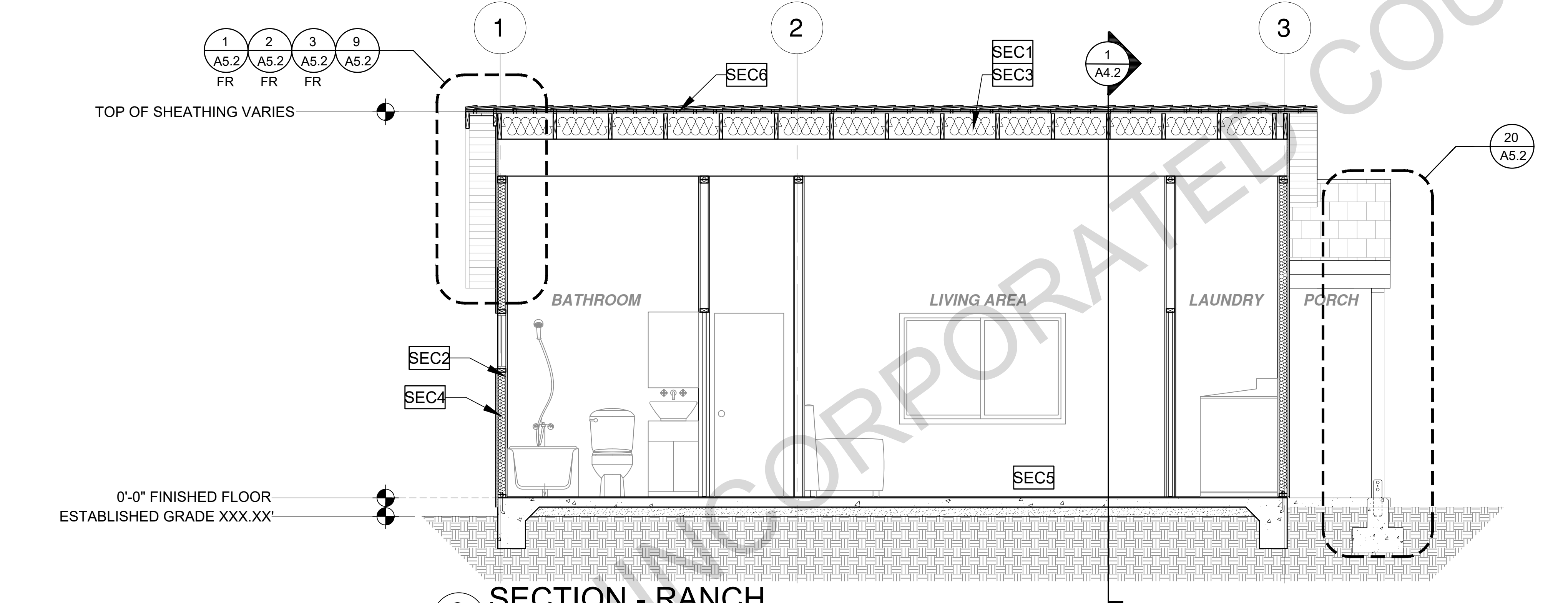
project no.

drawn by DESIGN PATH STUDIO

sheet no.



1 SECTION - RANCH  
SCALE: 3/8"=1'-0"



2 SECTION - RANCH  
SCALE: 3/8"=1'-0"

SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
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County of Orange  
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OWNER NAME:  
ADDRESS:  
APN:  
LEGAL DESCRIPTION:

revisions  
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description  
Sections  
Ranch  
2 Bedroom  
2 Bath

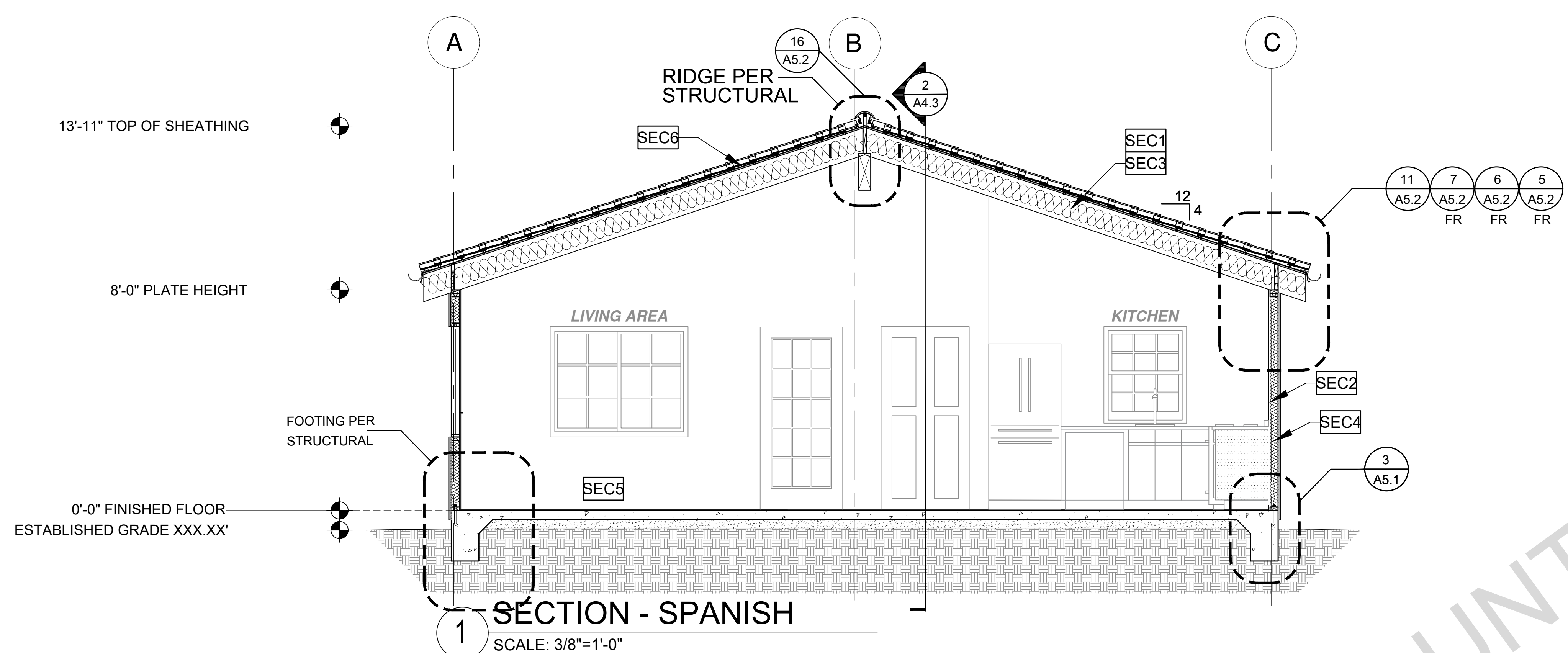
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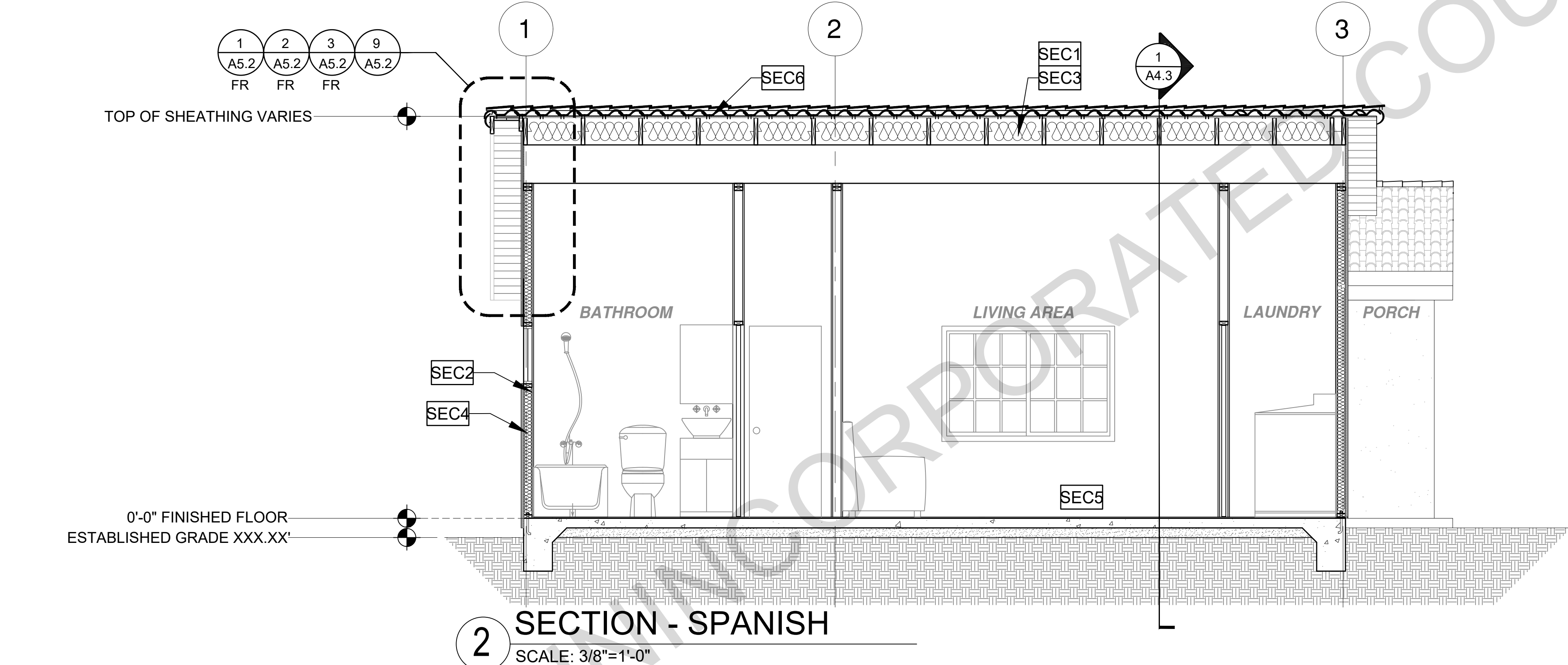
drawn by DESIGN PATH STUDIO

sheet no.

A4.2



1 SECTION - SPANISH  
SCALE: 3/8"=1'-0"



2 SECTION - SPANISH  
SCALE: 3/8"=1'-0"

SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
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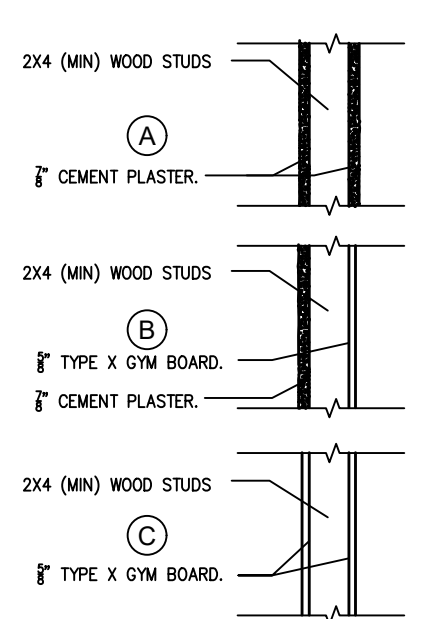
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Spanish  
2 Bedroom  
2 Bath

date 2024

project no.

drawn by DESIGN PATH STUDIO

sheet no.

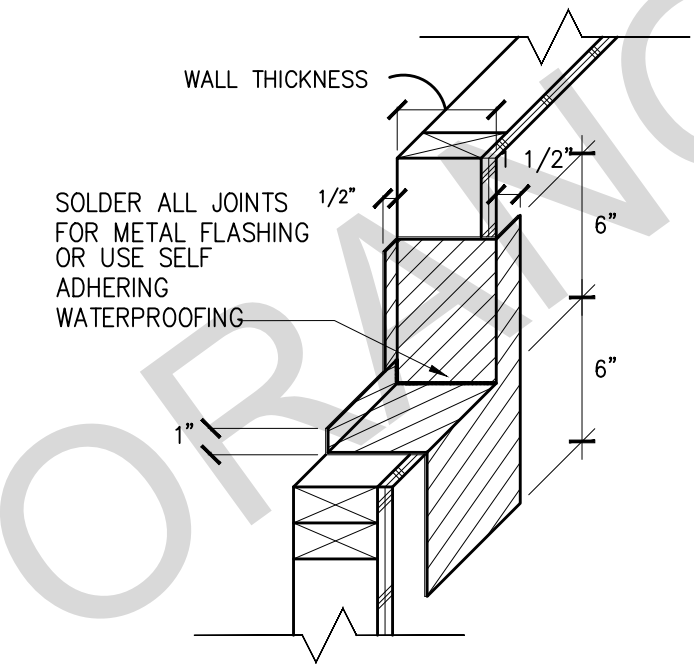


2019 CBC TABLE 721.12/ITEM #	DESCRIPTION	GYPSUM ASSOC. FILE#
15-1.2	2"x4" WOOD STUDS 16" ON CENTER WITH METAL LATH AND 1/2" CEMENT PLASTER ON EACH SIDE. LATH ATTACHED WITH 6D COMMON NAILS 7" ON CENTER DRIVEN TO 1" MINIMUM PENETRATION AND BENT OVER. PLASTER MIX 1:4 FOR SCRATCH COAT AND 1:5 FOR BROWN COAT, BY VOLUME, CEMENT TO SAND.	N/A
15-1.3	2"x4" WOOD STUDS 16" ON CENTER WITH 1/2" CEMENT PLASTER (MEASURED FROM THE FACE OF STUD) ON THE EXTERIOR SURFACE TREATMENT AS REQUIRED FOR INTERIOR WOOD STUD PARTITIONS IN THIS TABLE. PLASTER MIX 1:4 FOR SCRATCH COAT AND 1:5 FOR BROWN COAT, BY VOLUME, CEMENT TO SAND.	N/A
14-1.3	2"x4" WOOD STUDS 24" ON CENTER WITH 5/8" TYPE X GYPSUM WALLBOARD APPLIED VERTICALLY OR HORIZONTALLY NAILED WITH 6D COOLER OR WALLBOARD NAILS AT 7" ON CENTER WITH END JOINTS ON NAILING MEMBERS. STAGER JOINTS ON EACH SIDE.	WP 3510 & WP 3514

NOTE: THE ADDITION OF PLYWOOD SHEATHING TO THESE ASSEMBLIES DOES NOT LESSEN THEIR FIRE RESISTANCE. ATTACH WALL TO EXISTING OR NEW FIRE RATED FLOOR/CEILING ASSEMBLY AS REQUIRED.

WP 3510 - ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2 X 4 WOOD STUDS 16" O.C. WITH 11/4" TYPE W DRYWALL SCREWS 12" O.C. JOINTS STAGGERED 16" ON OPPOSITE SIDES. (LOAD-BEARING)

WP 3514 - ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2 X 4 WOOD STUDS 24" O.C. WITH 6D COATED NAILS, 17/8" LONG, 0.0915" SHANK, 1/4" HEADS, 7" O.C. JOINTS STAGGERED 24" ON OPPOSITE SIDES. (LOAD-BEARING)



13

10

4 FIRE RESISTIVE 1-HOUR WOOD FRAMED WALLS

SCALE: NTS

1 WINDOW SILL FLASHING

SCALE: 1/2"=1'-0"

14

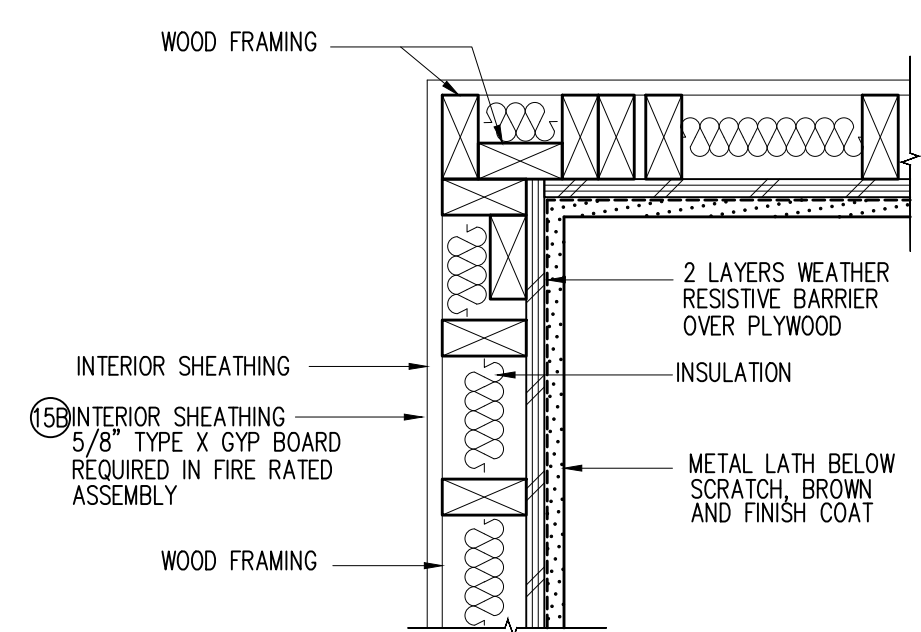
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8

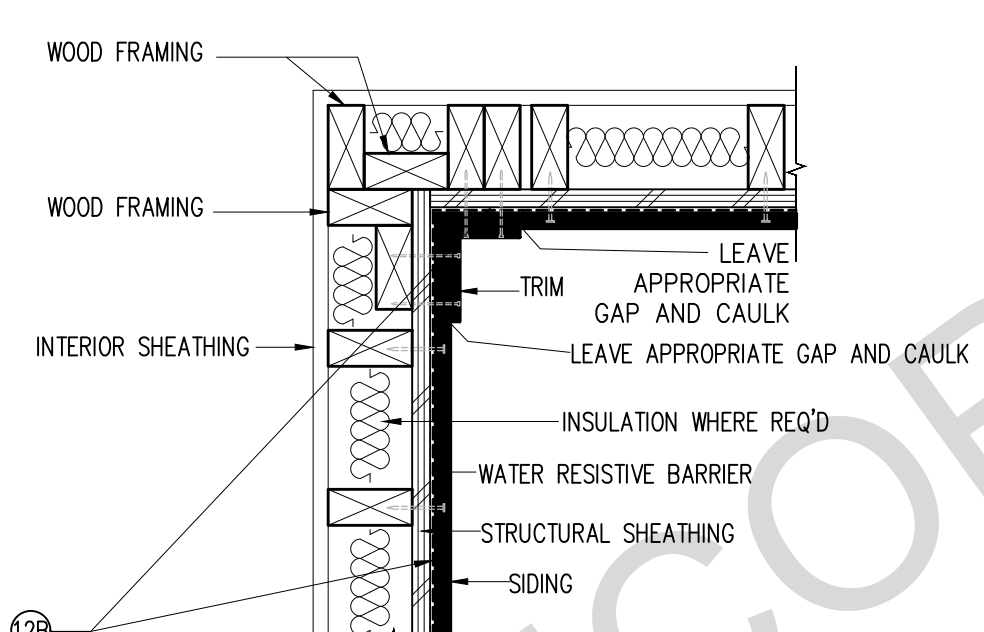
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2 DOOR THRESHOLD FLASHING

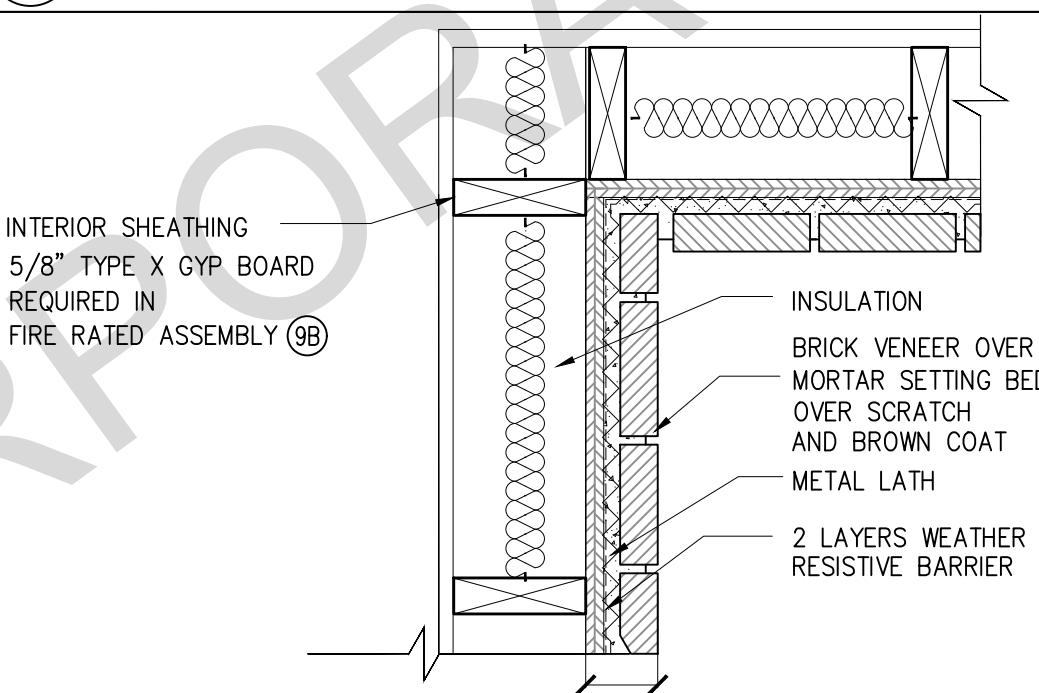
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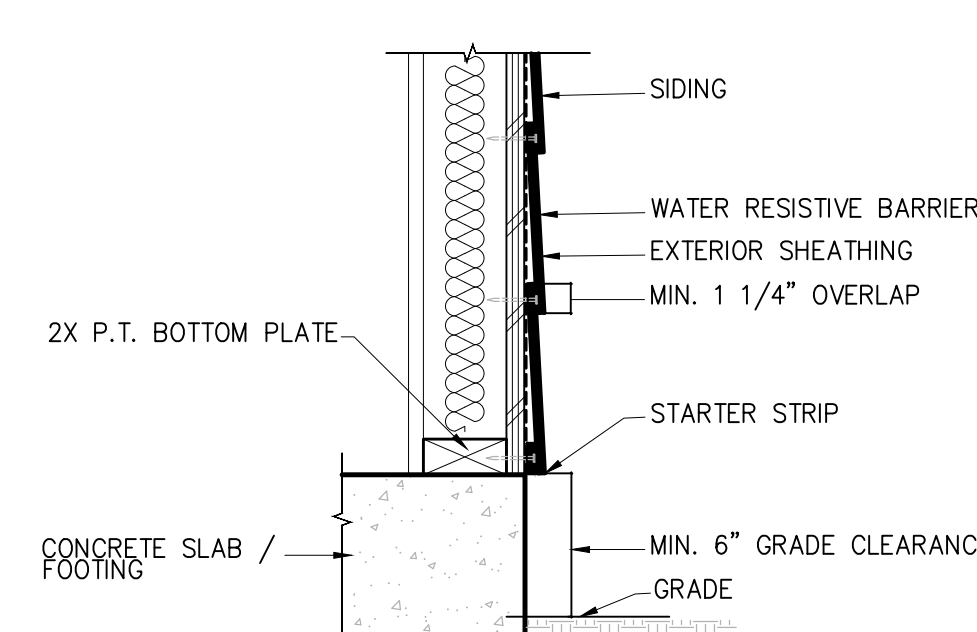
STUCCO AT INSIDE CORNER



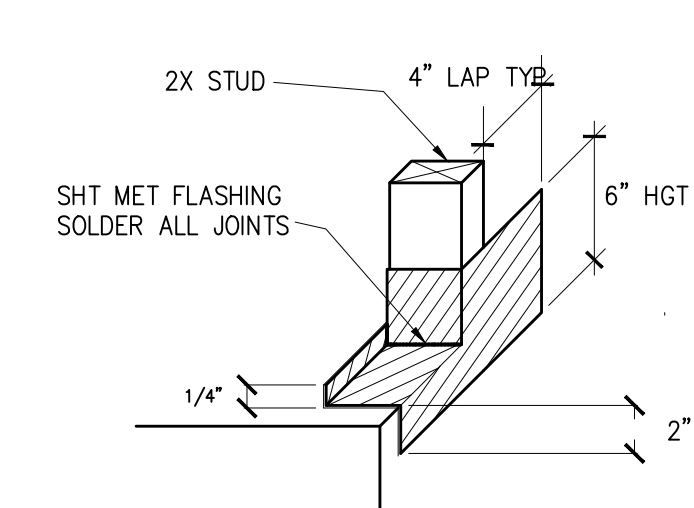
SIDING AT INSIDE CORNER



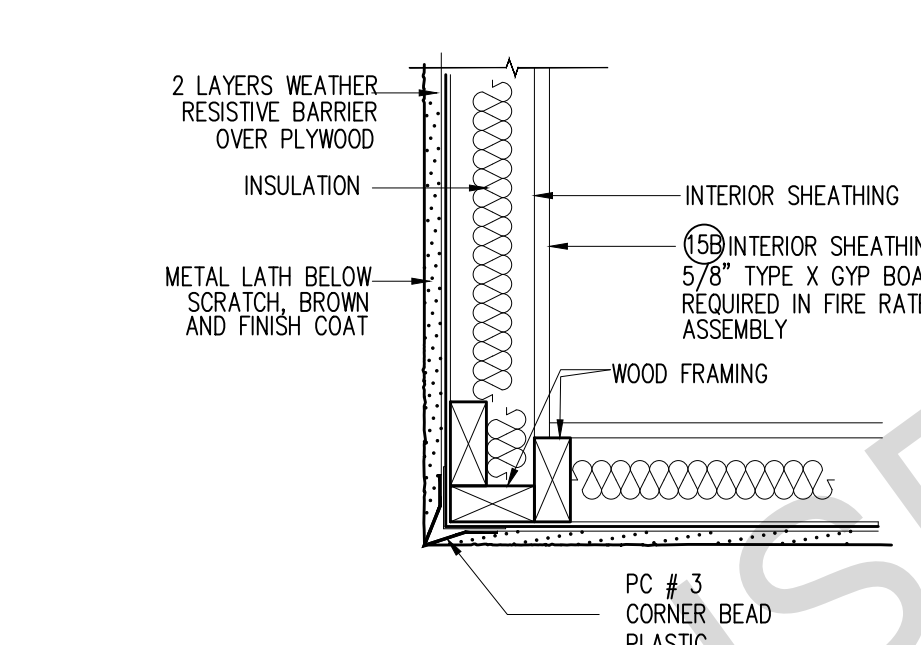
STONE VENEER AT INSIDE CORNER



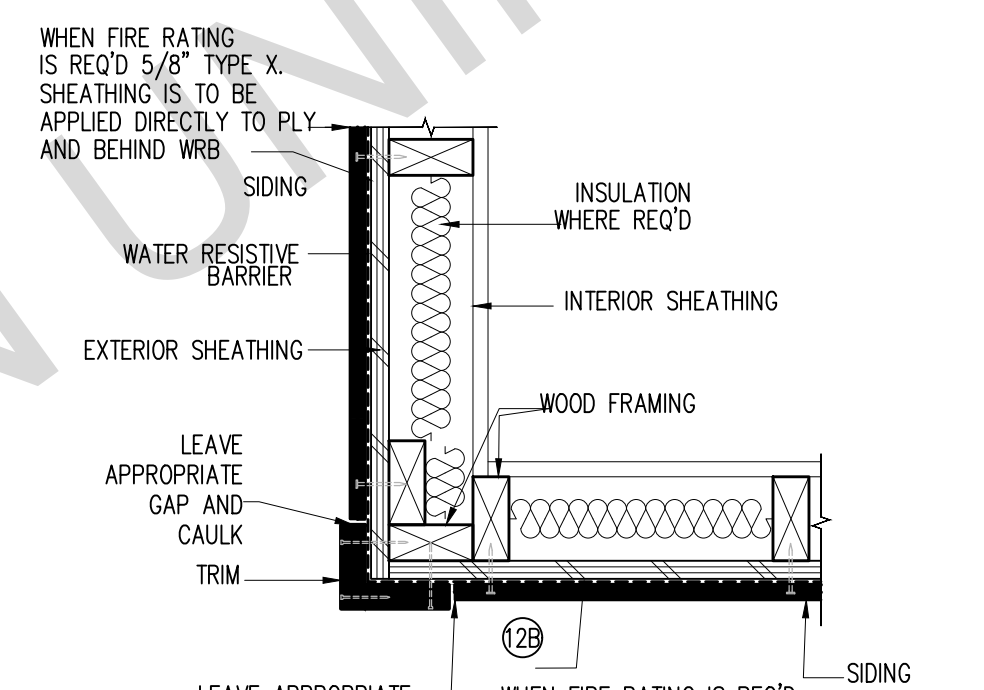
SIDING AT CONCRETE WALK



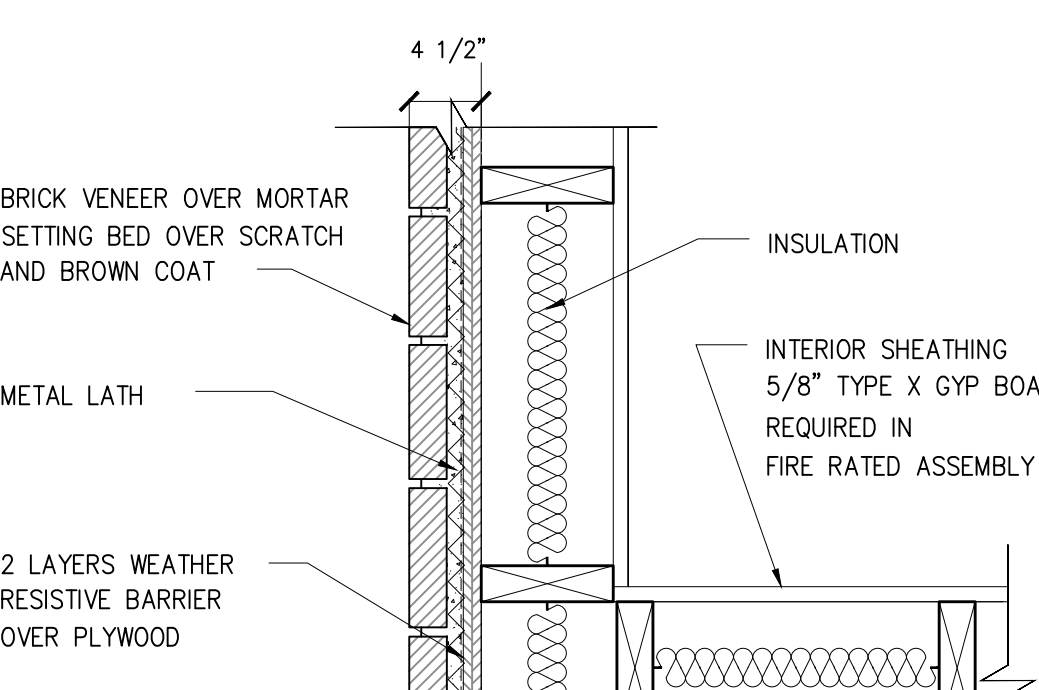
\*PROVIDE SOLID BLOCKING AT ALL FLASHING LOCATIONS



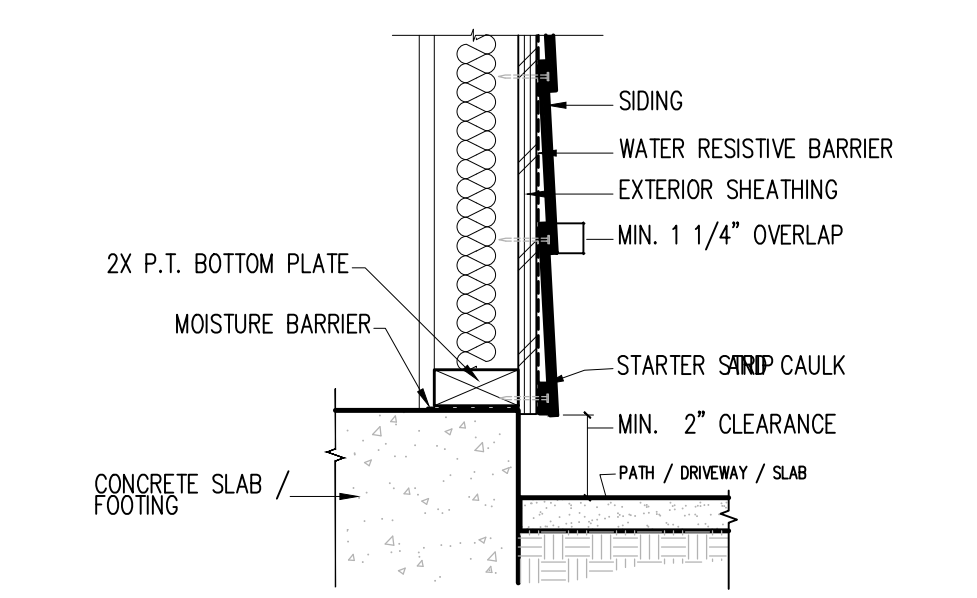
STUCCO AT OUTSIDE CORNER



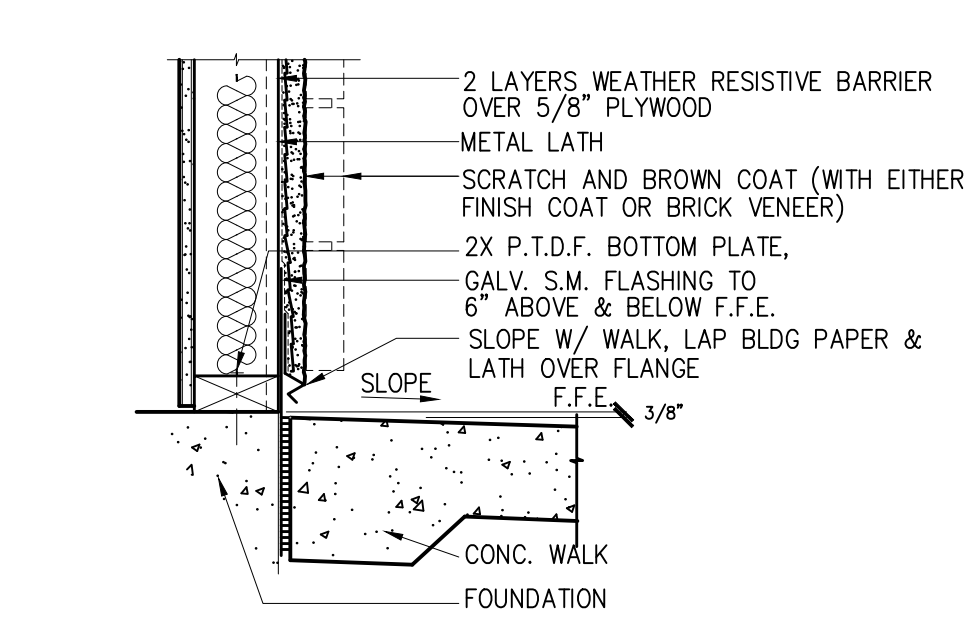
SIDING AT OUTSIDE CORNER



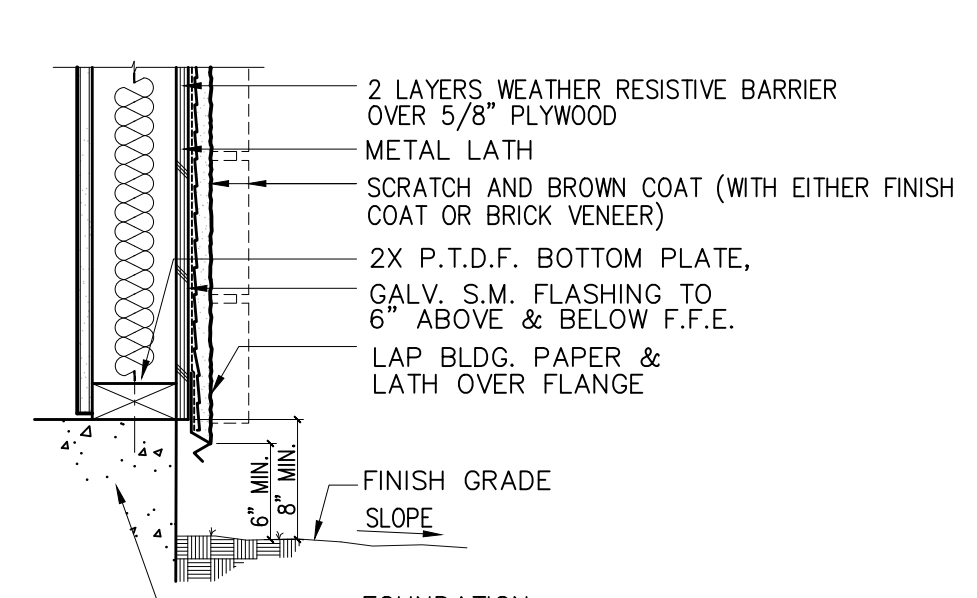
STONE VENEER AT OUTSIDE CORNER



SIDING AT GRADE



STUCCO / STONE WEEP SCREED AT CONCRETE WALK



STUCCO / STONE WEEP SCREED AT GRADE

15B FIRE RATED STUCCO WALL

12B FIRE RATED SIDING WALL

9B FIRE RATED STONE WALL

6 SIDING - WALL SECTION

3 STUCCO/STONE - WALL SECTION

15 STUCCO WALL

12 SIDING WALL

9 STONE WALL

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

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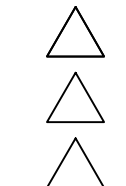
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revisions



description  
Architectural  
Wall  
Details

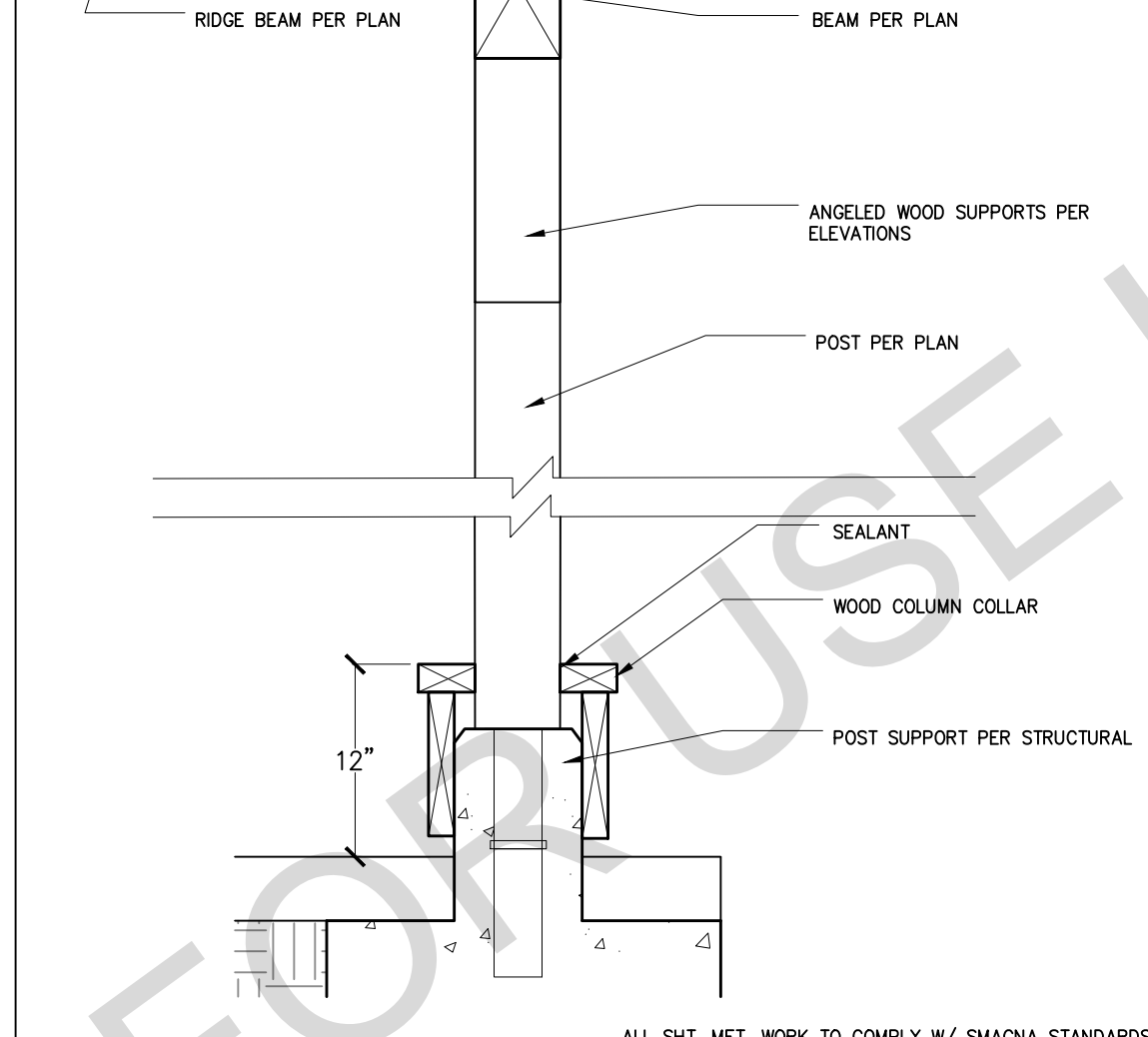
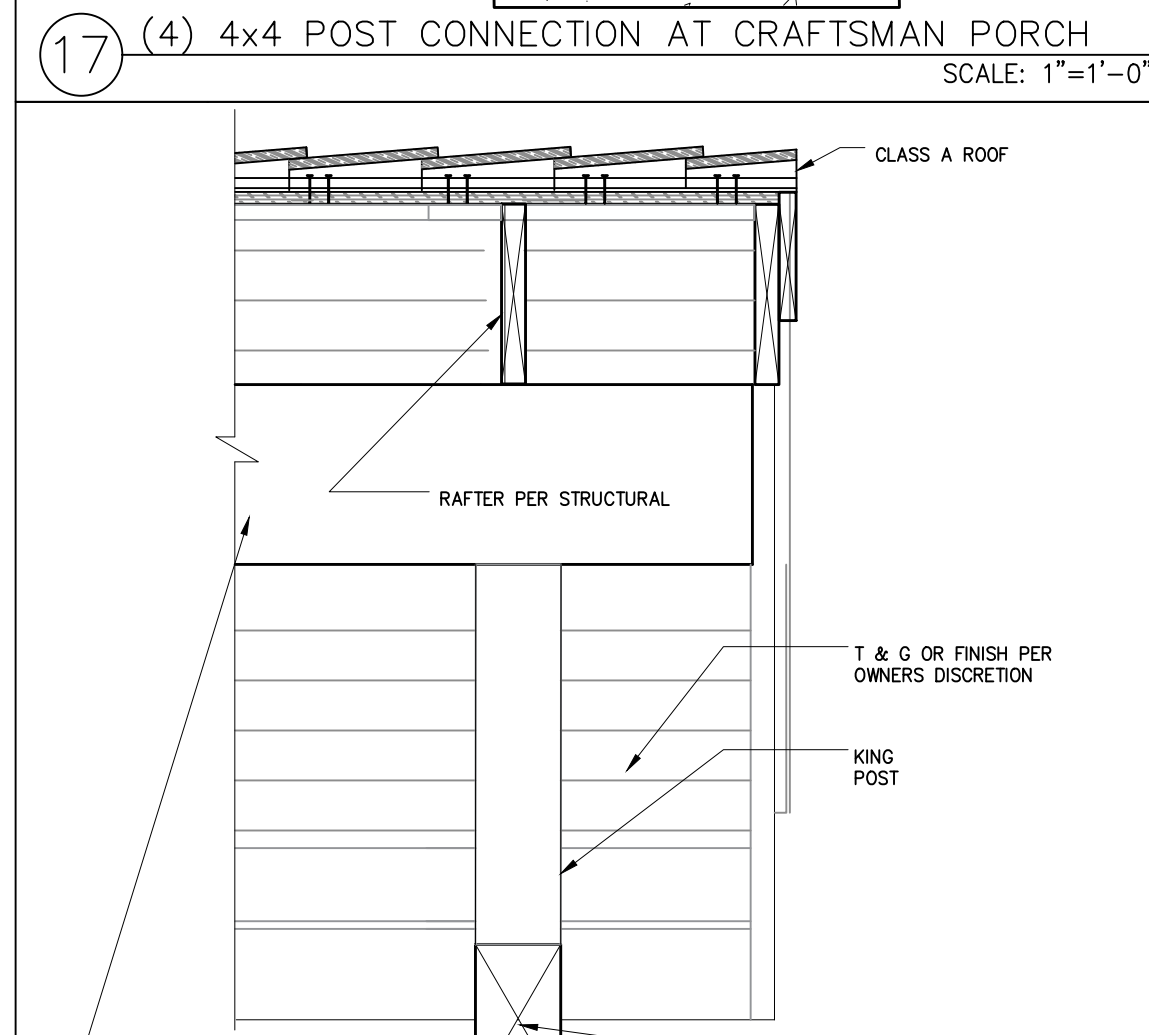
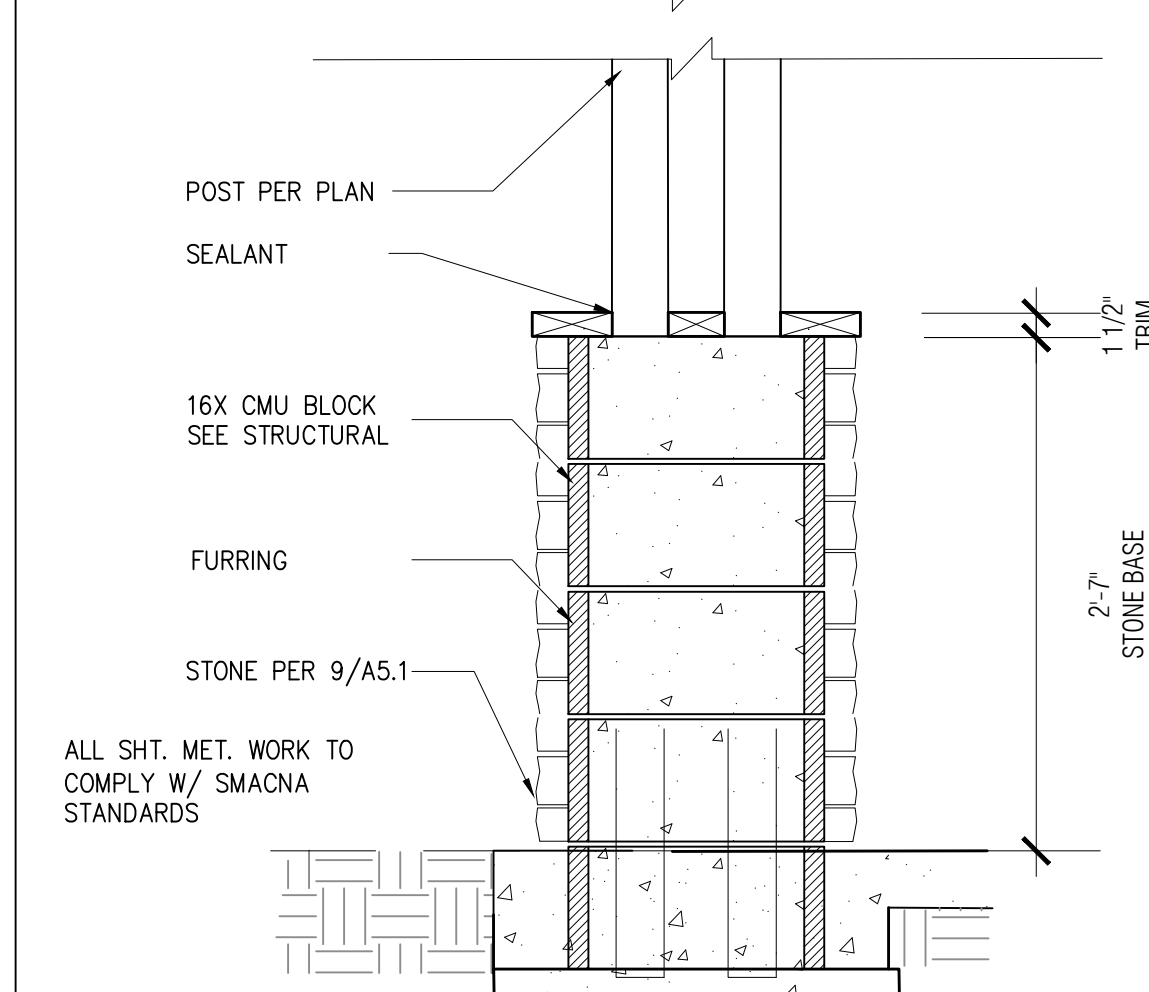
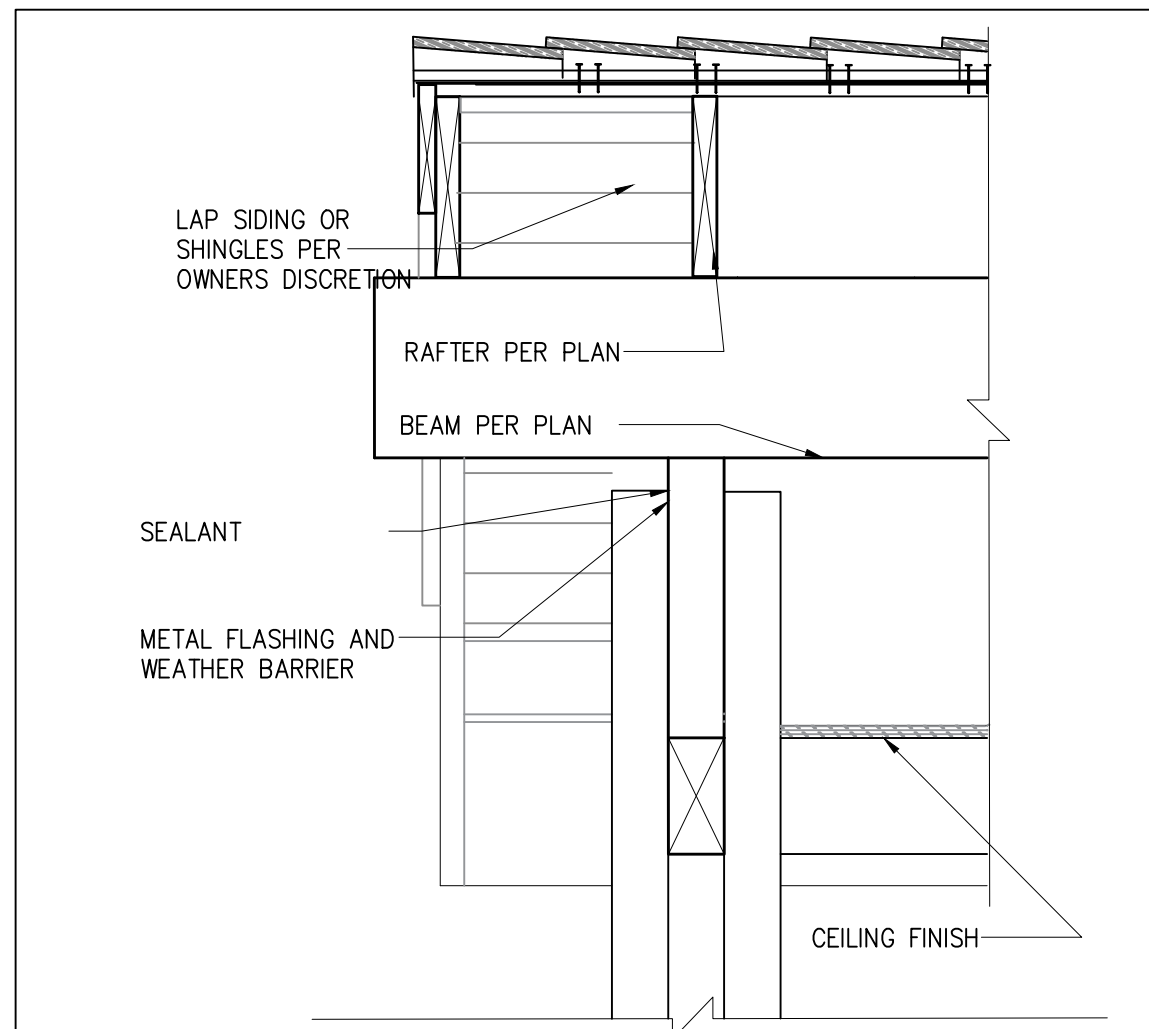
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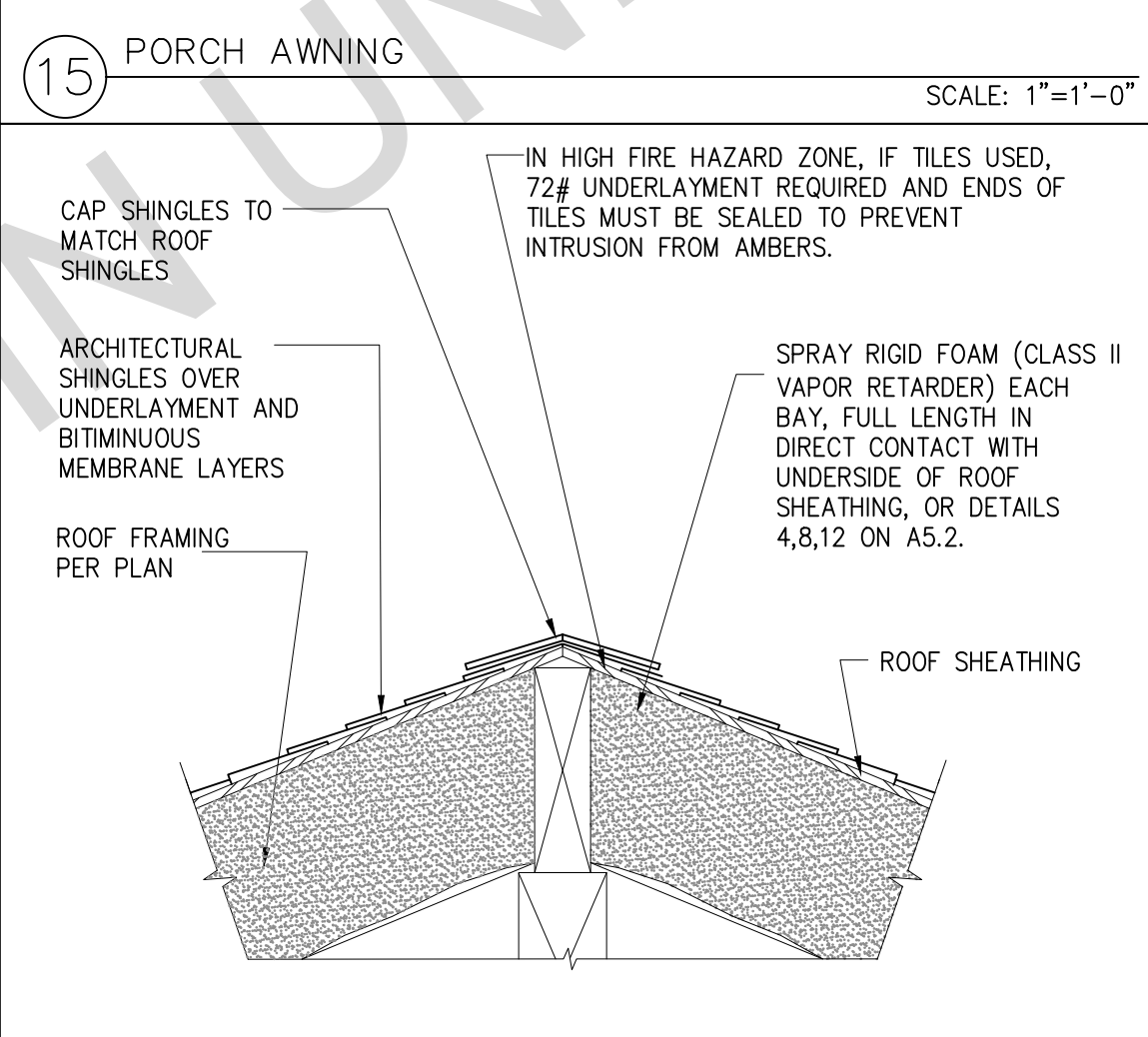
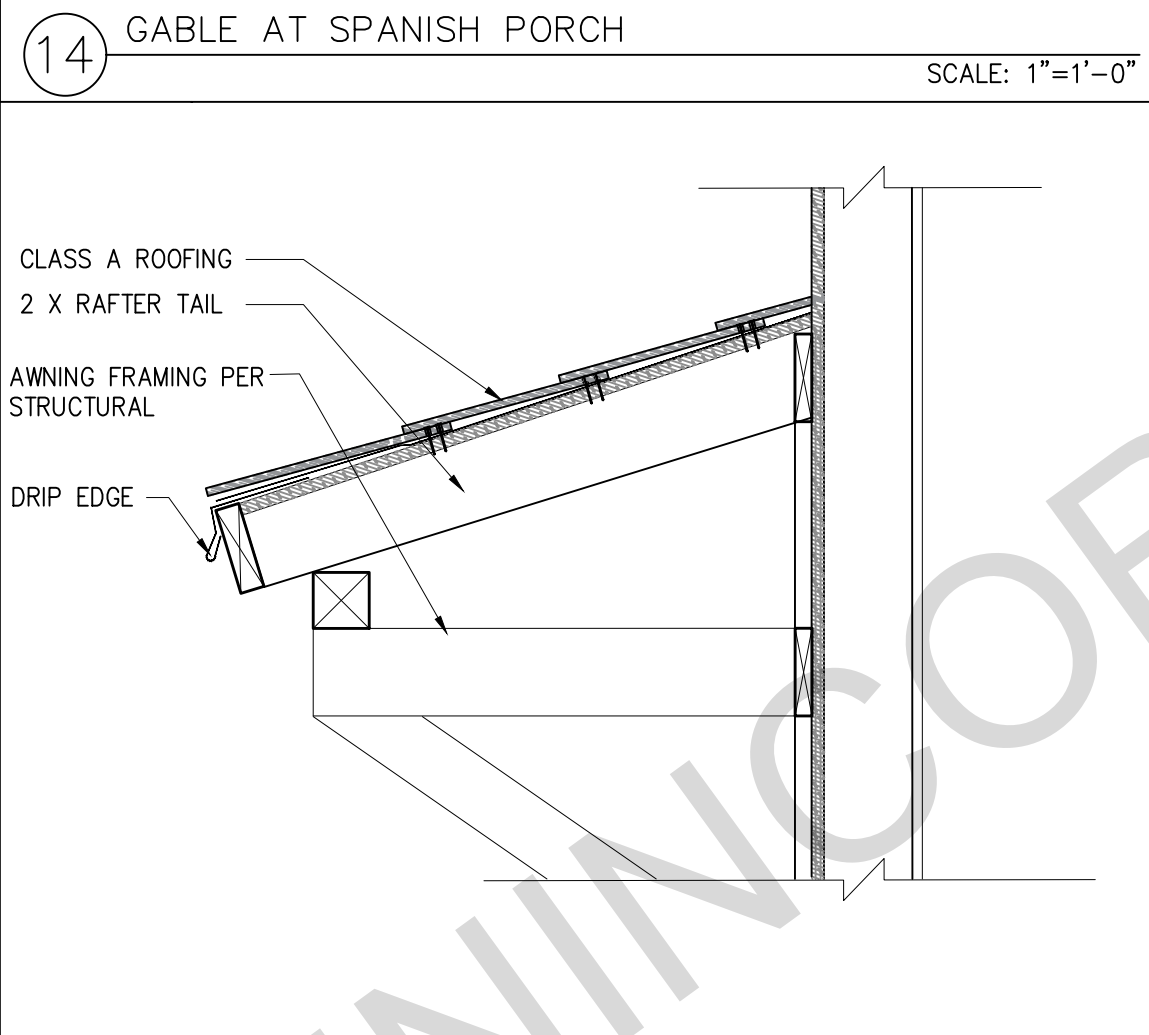
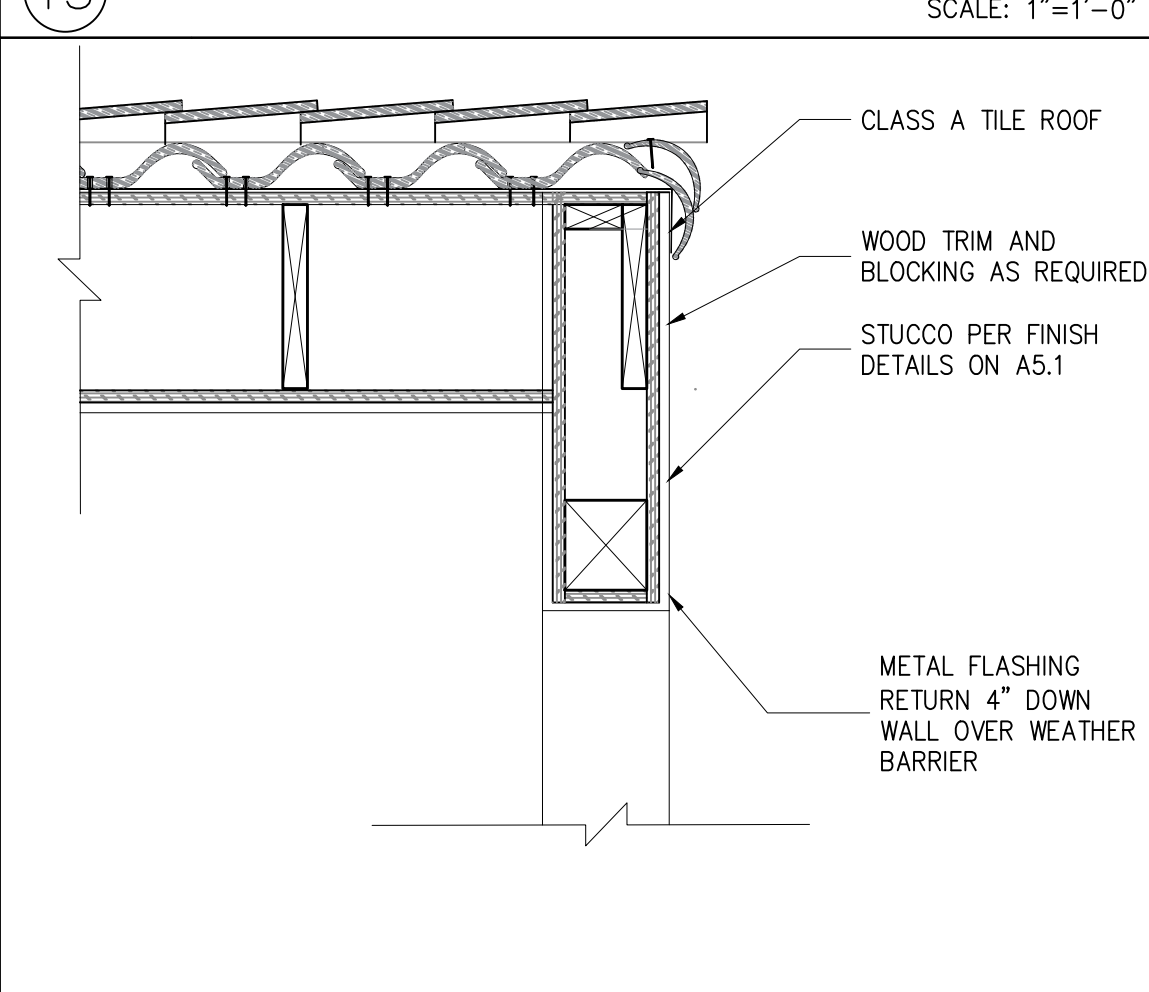
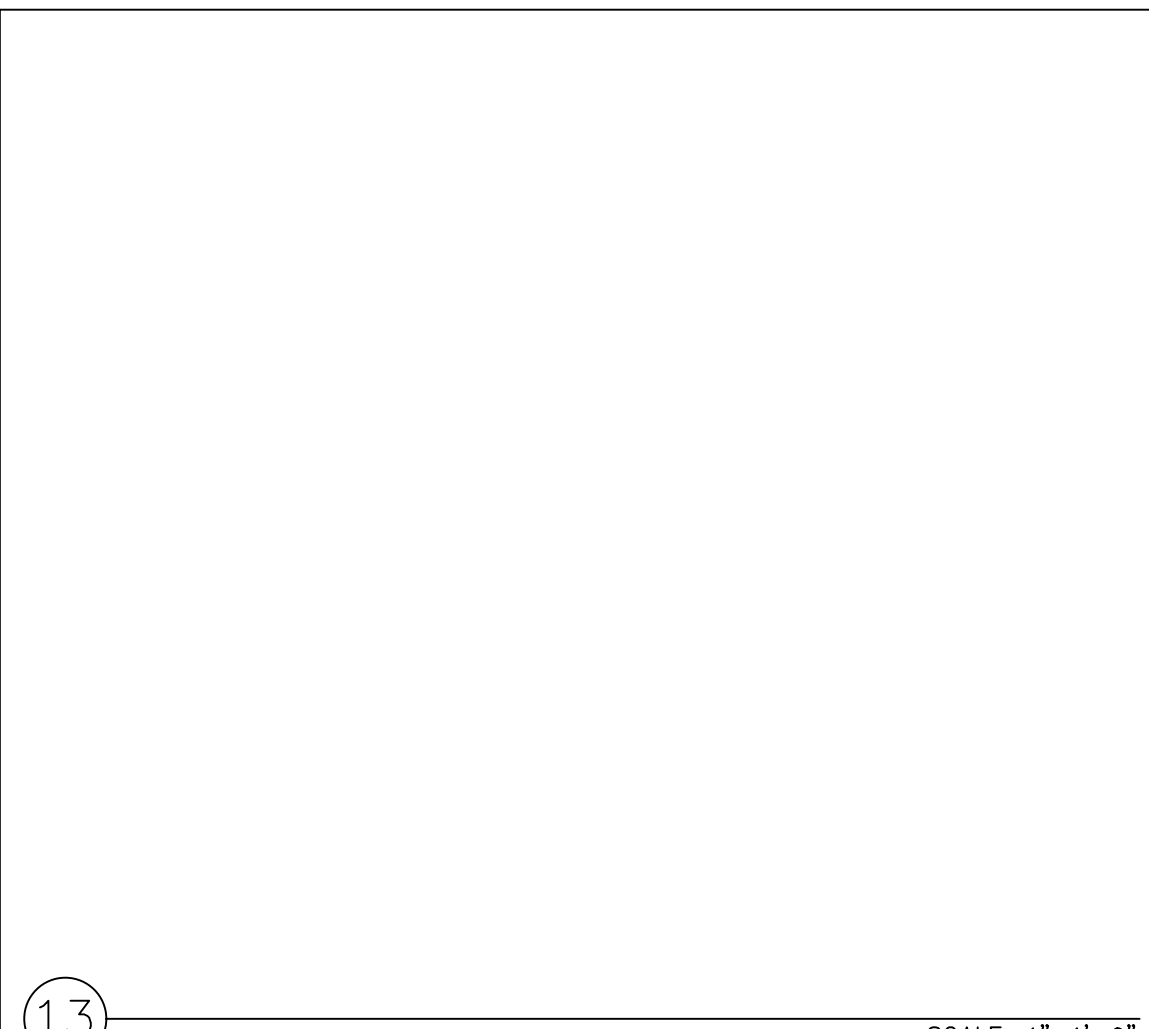
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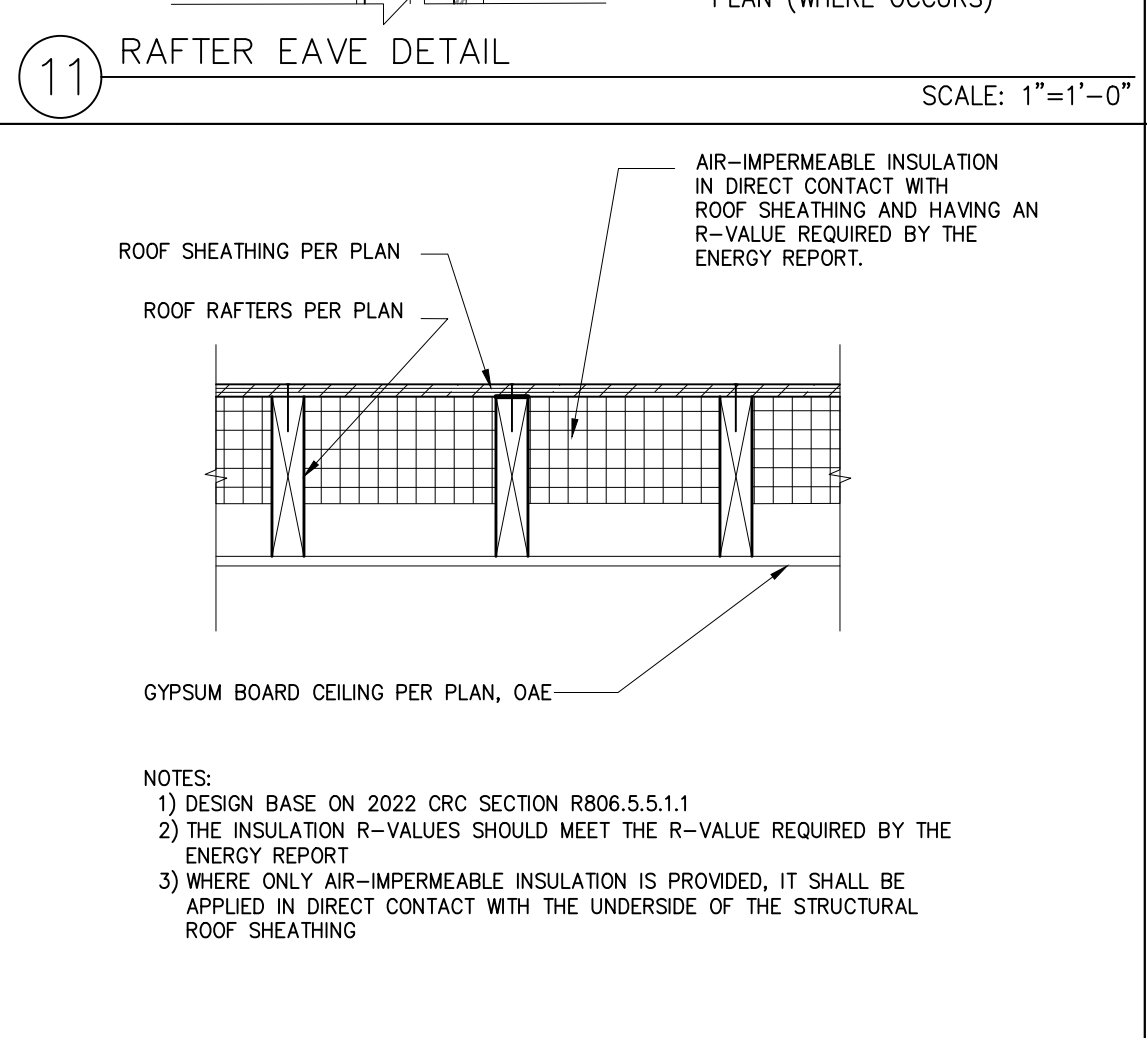
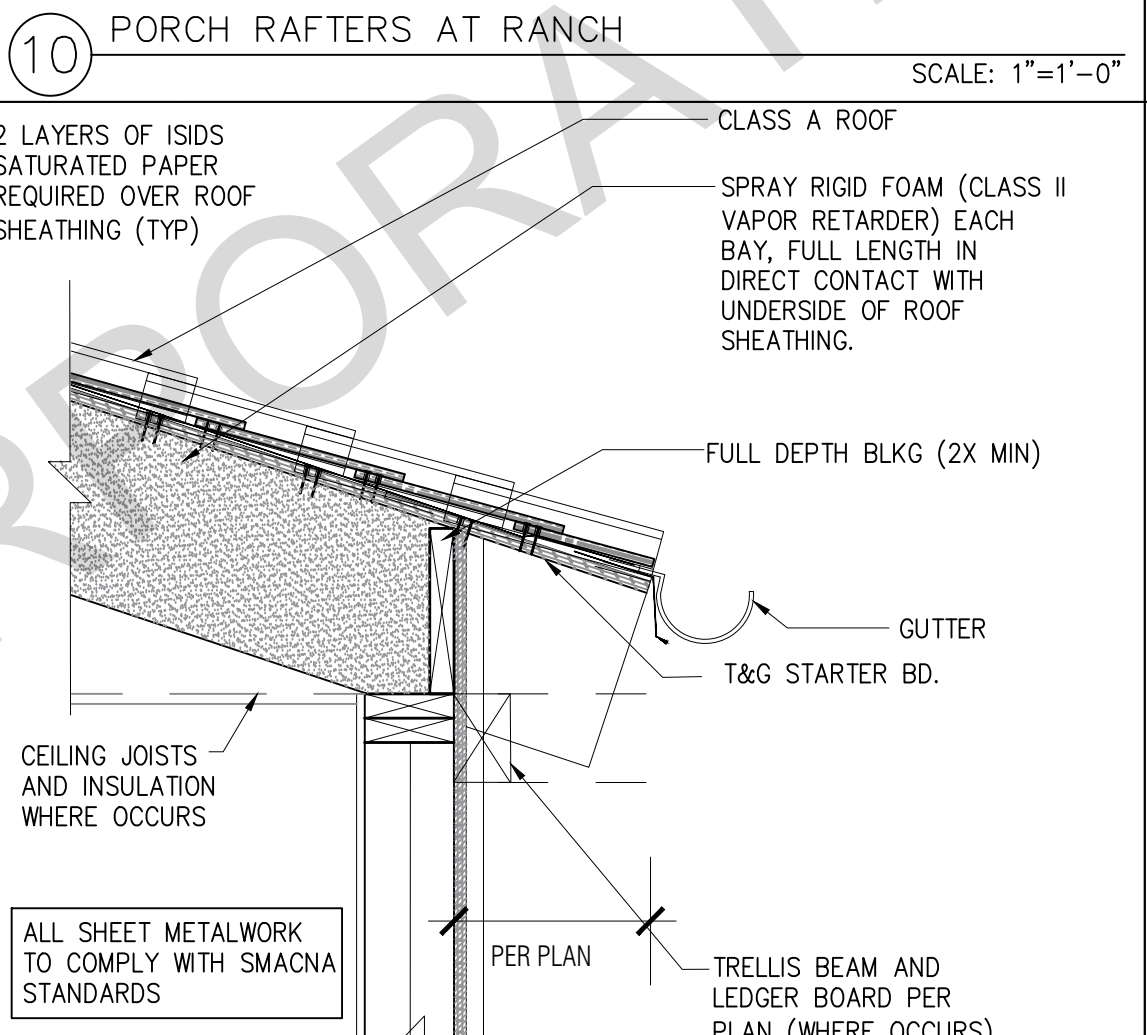
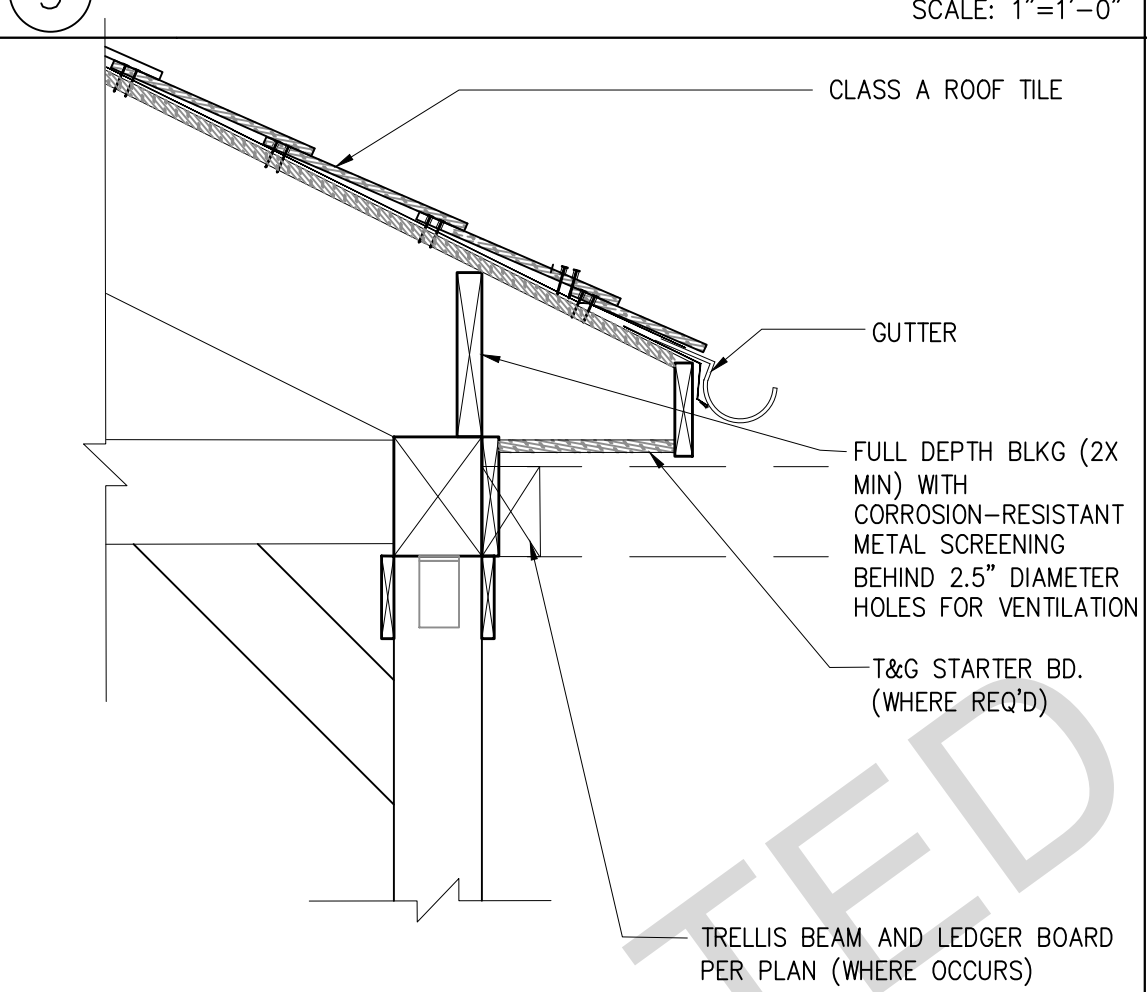
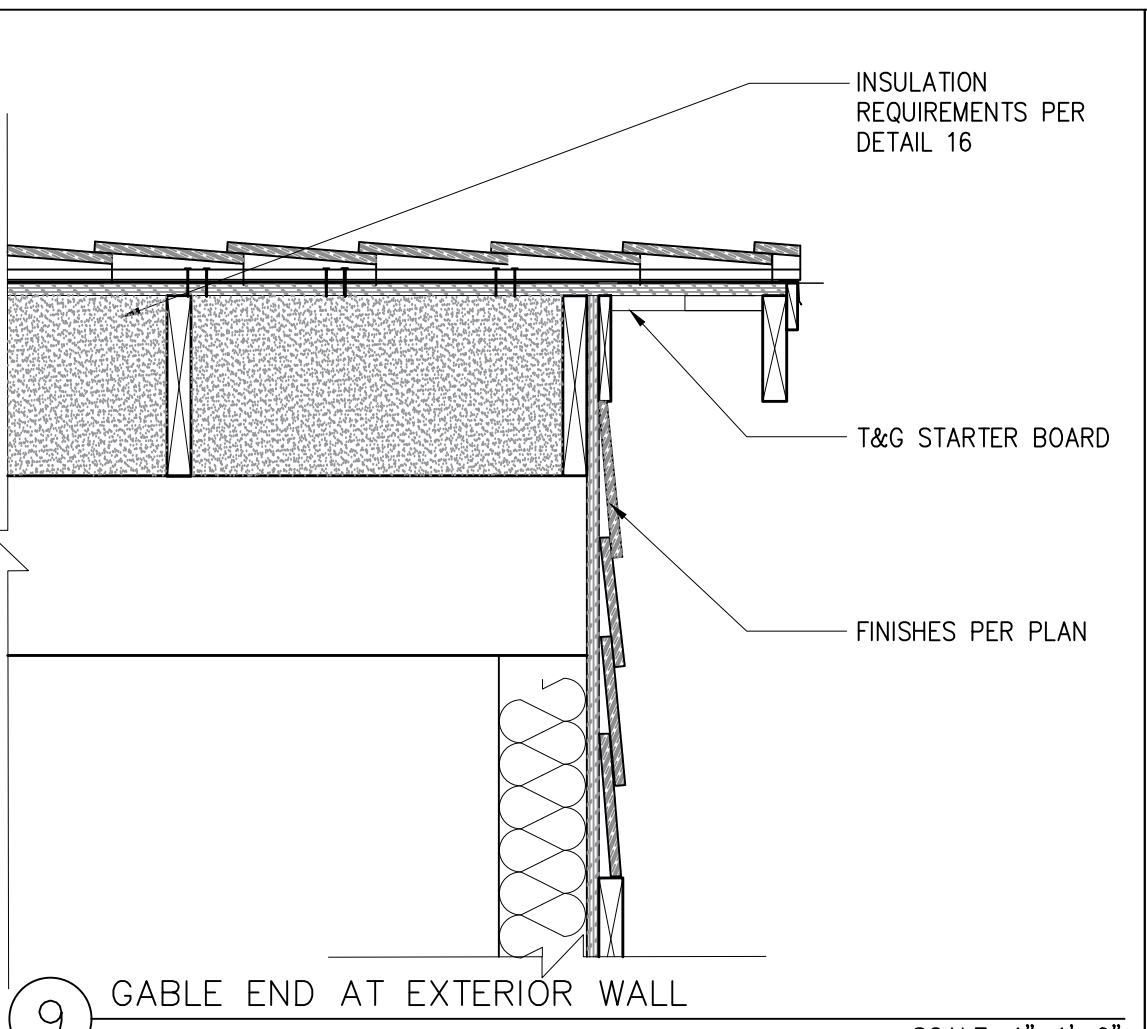
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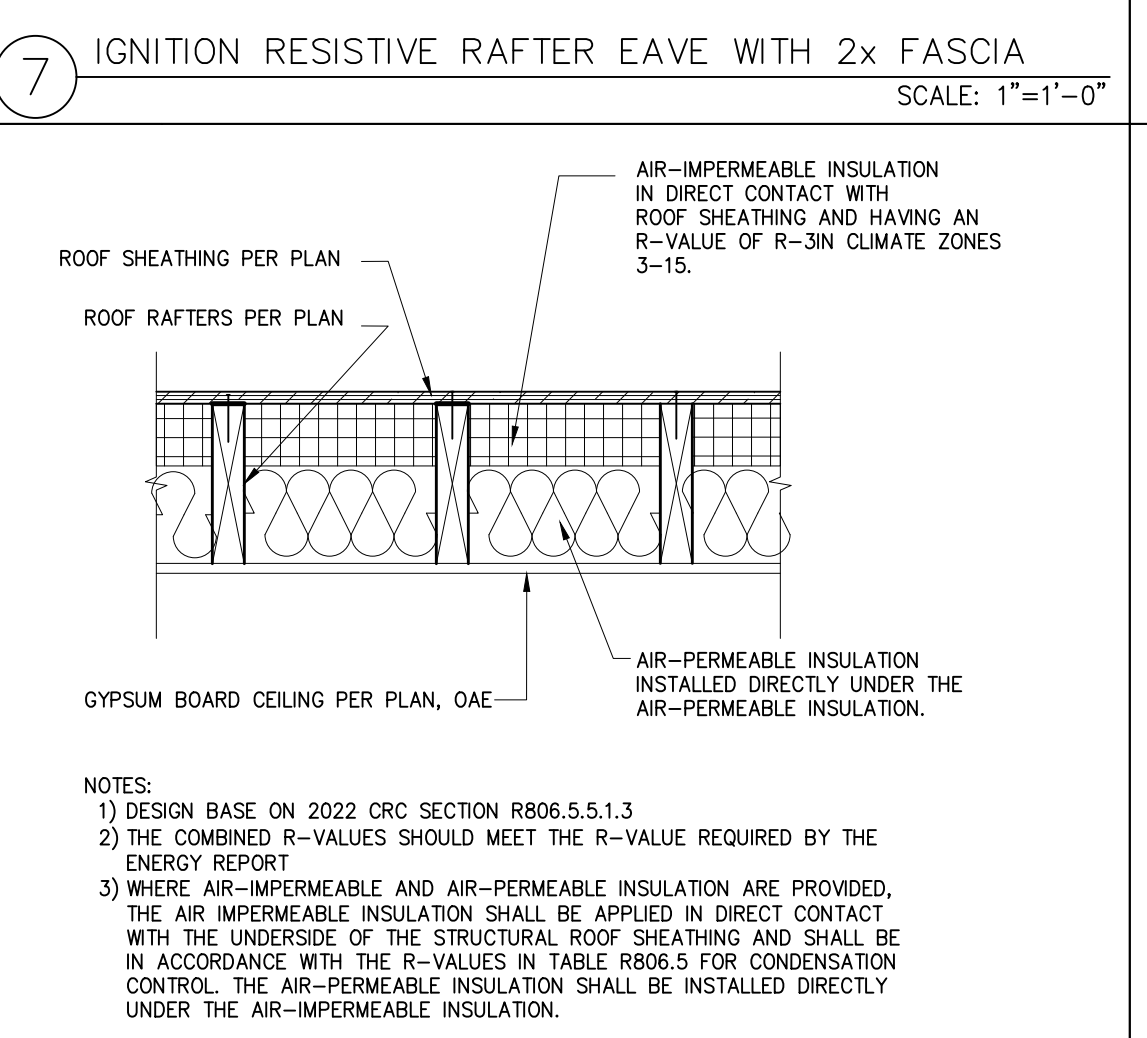
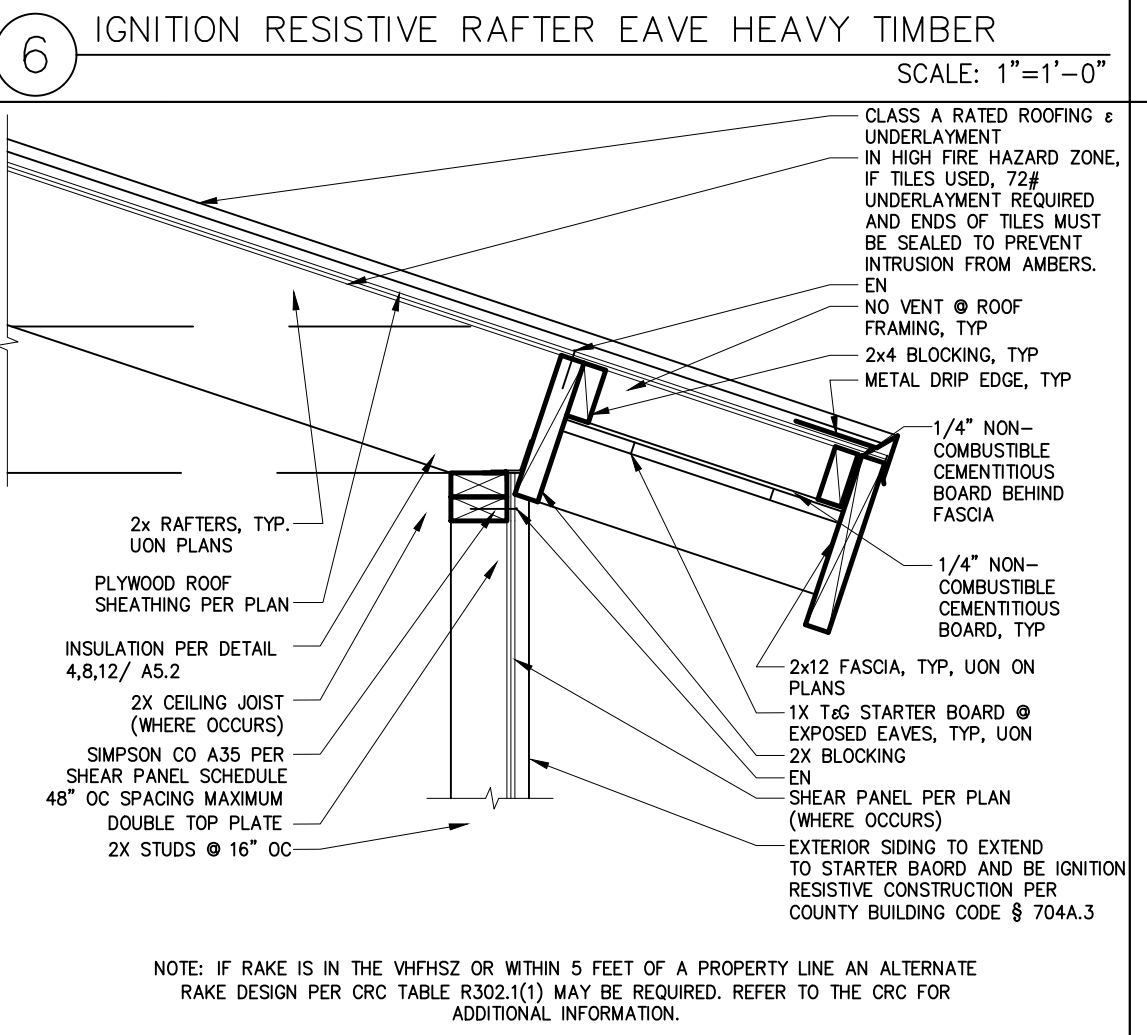
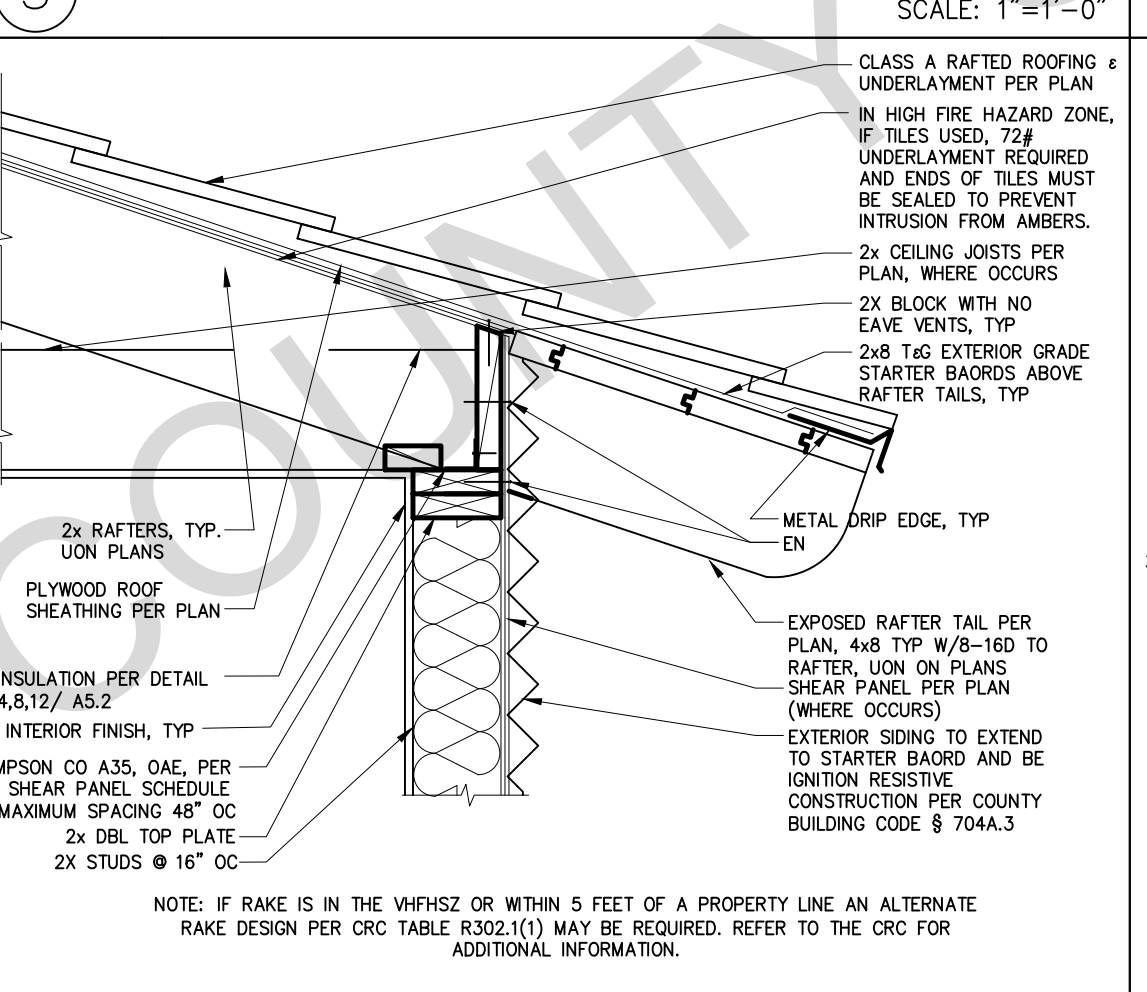
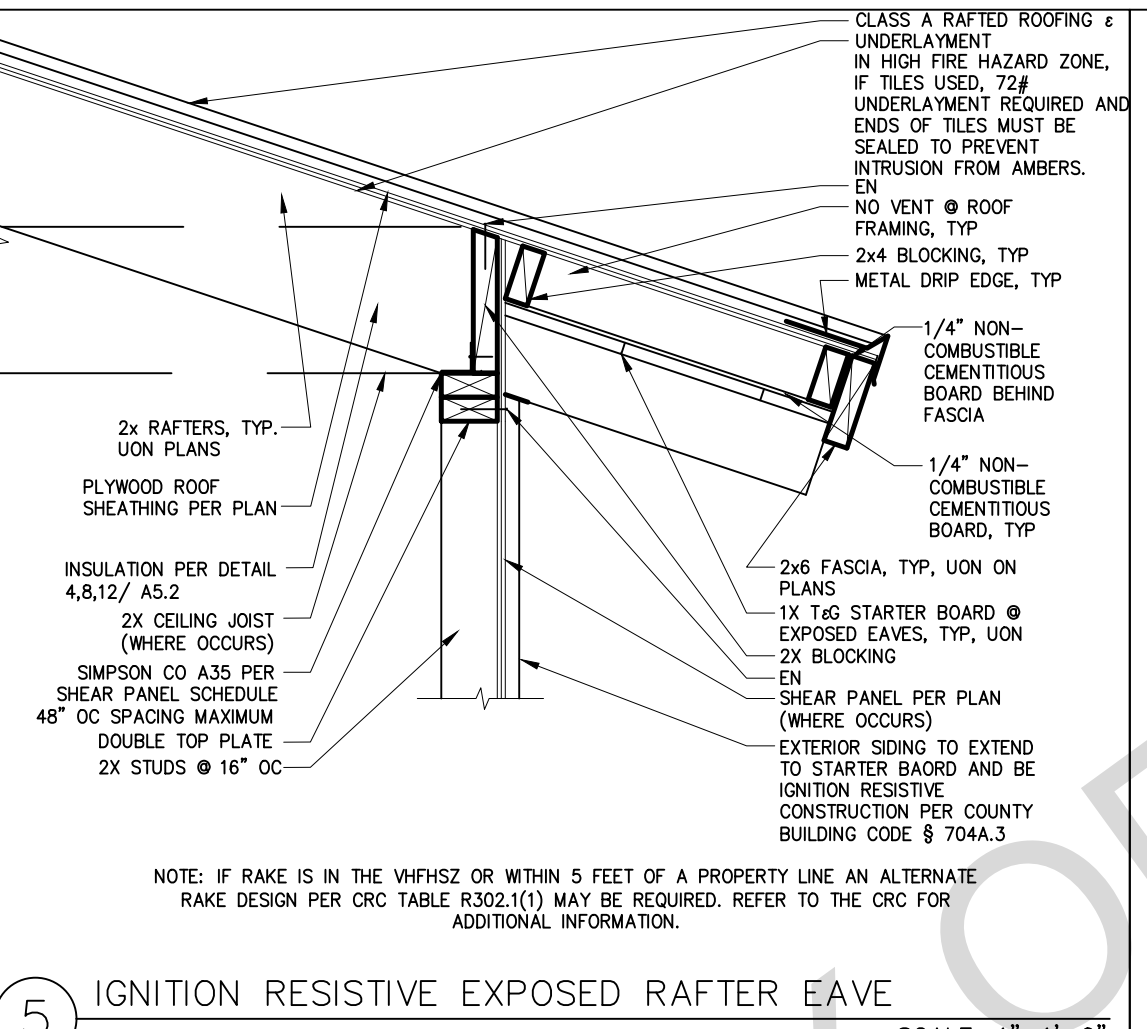
17 (4) 4x4 POST CONNECTION AT CRAFTSMAN PORCH SCALE: 1"=1'-0"



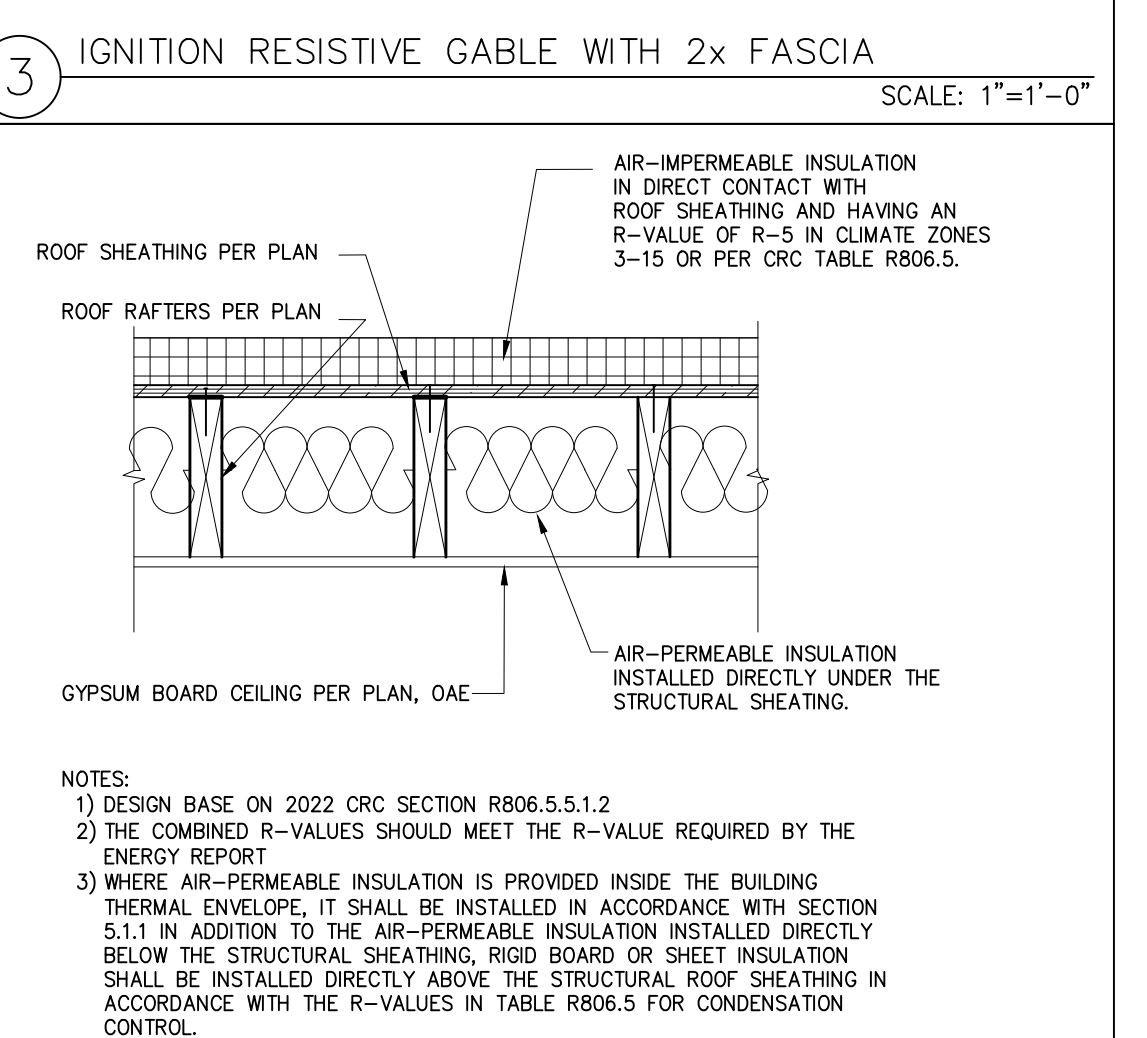
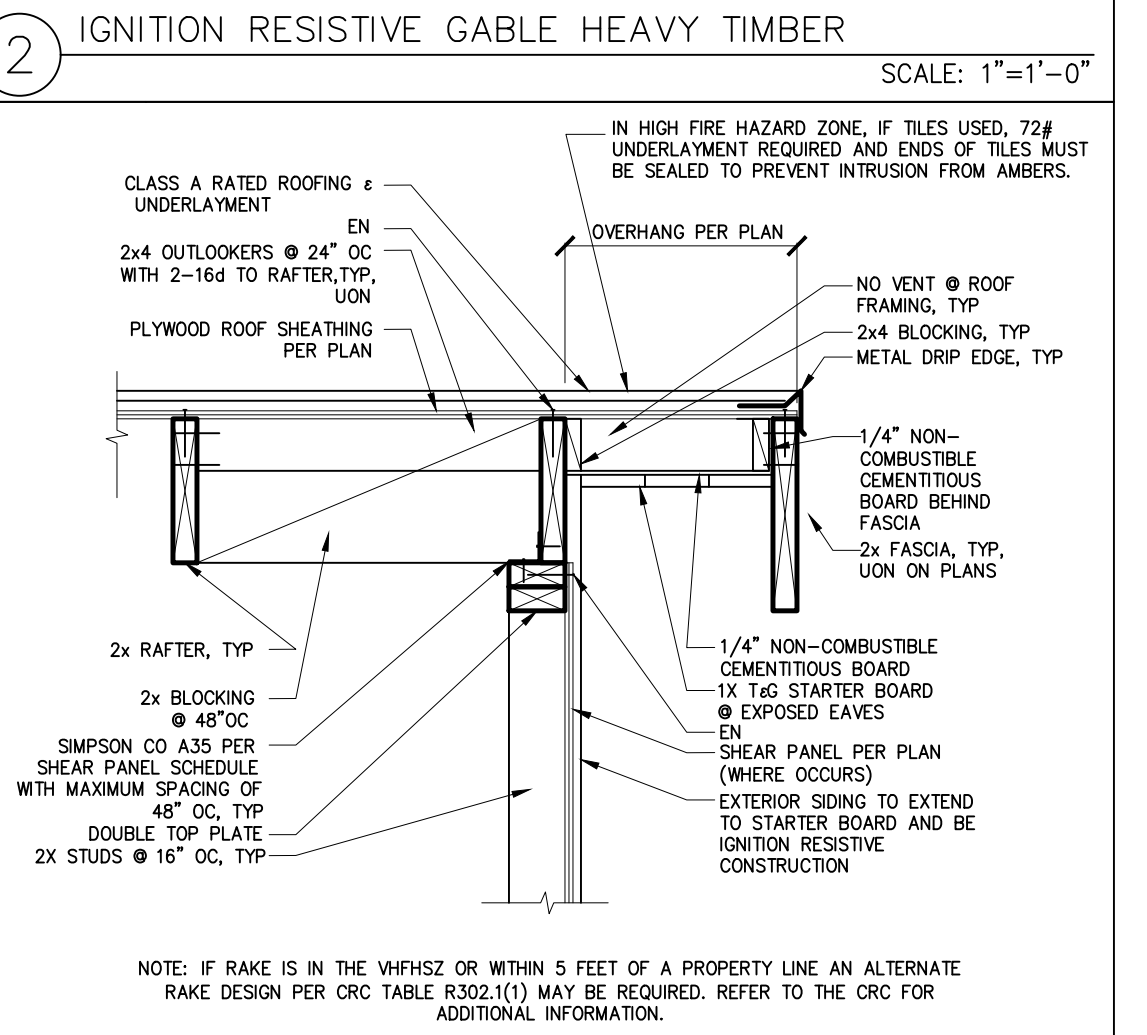
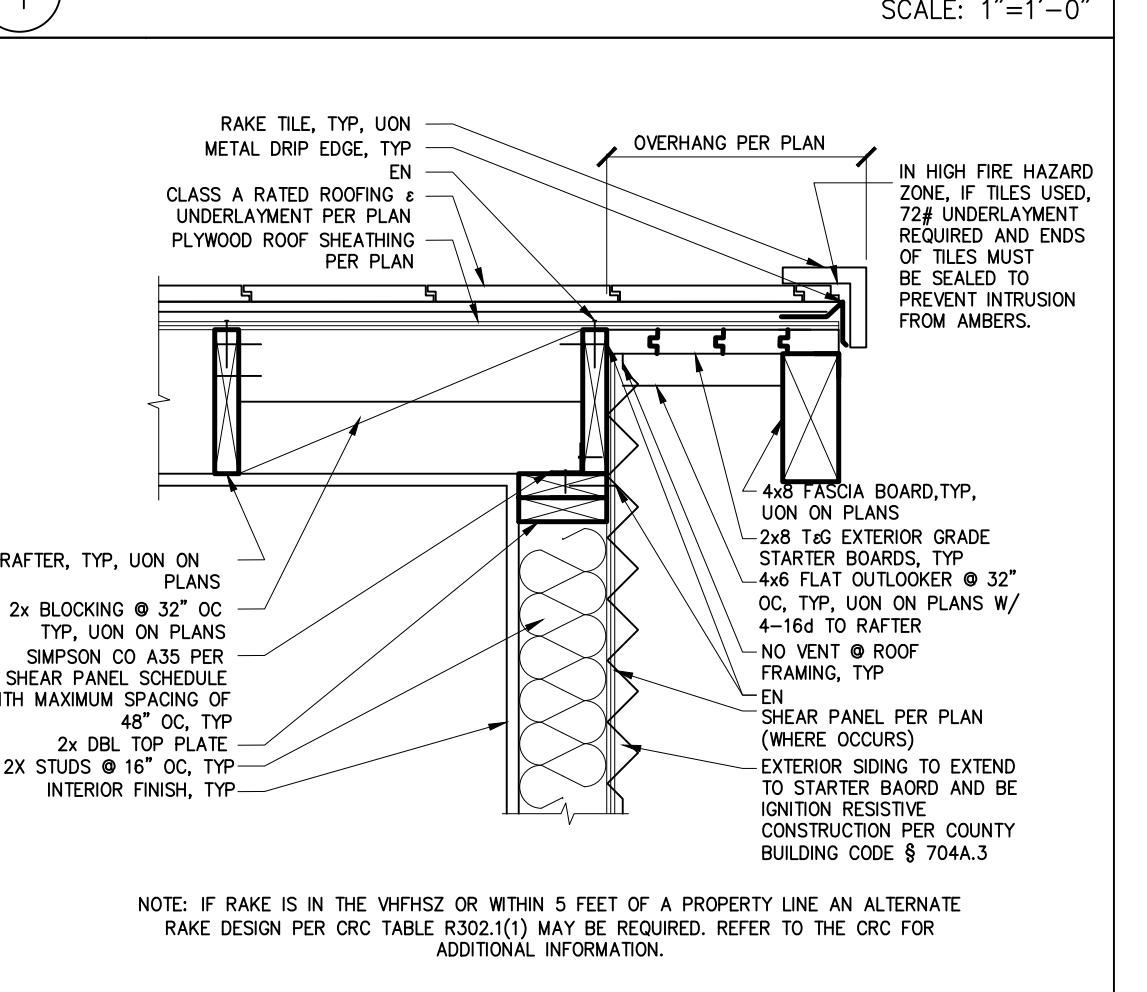
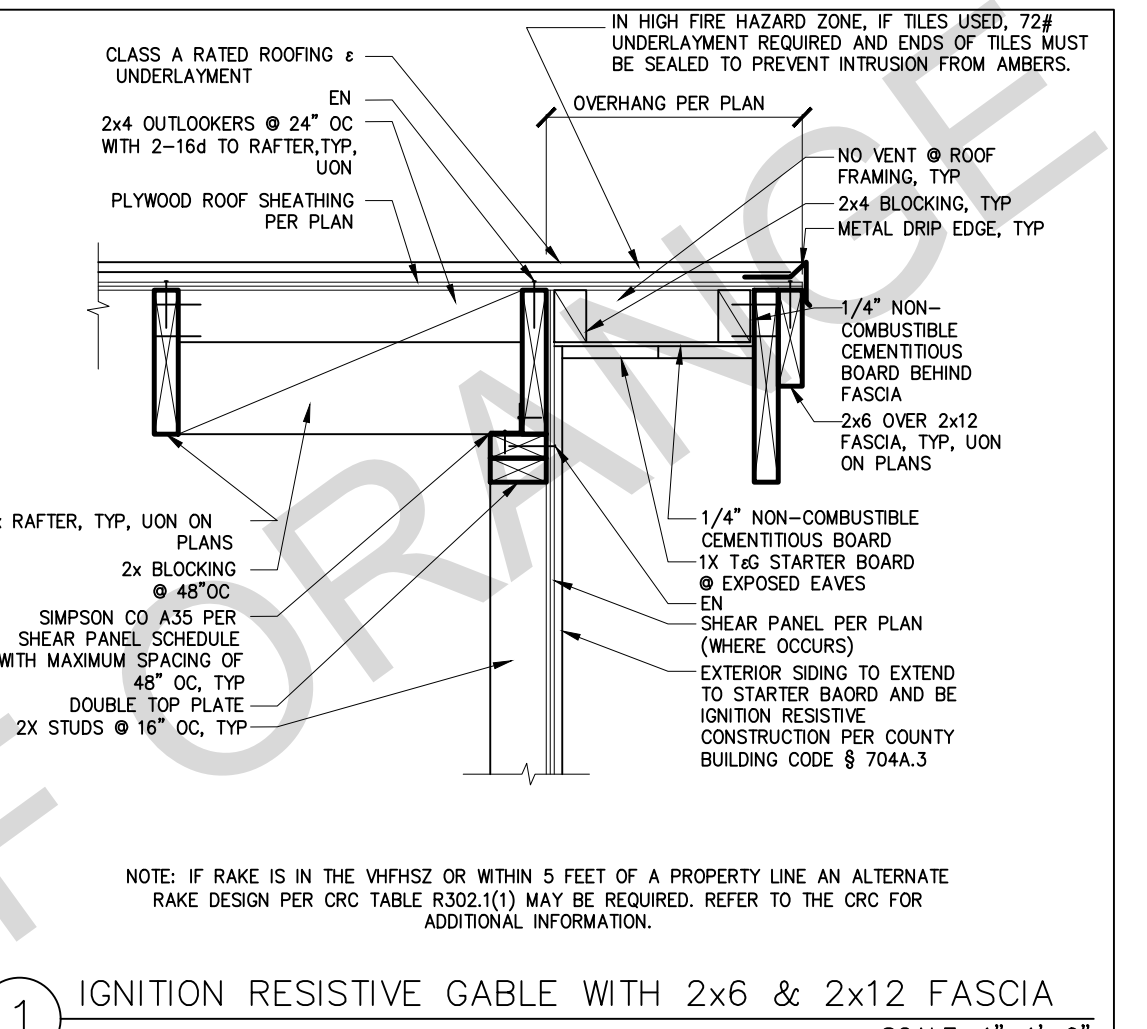
13 GABLE END AT EXTERIOR WALL SCALE: 1"=1'-0"



9 GABLE END AT EXTERIOR WALL SCALE: 1"=1'-0"



5 IGNITION RESISTIVE EXPOSED RAFTER EAVE SCALE: 1"=1'-0"



1 IGNITION RESISTIVE GABLE WITH 2x6 & 2x12 FASCIA SCALE: 1"=1'-0"

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AGREES TO 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 COUNTY OF ORANGE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF ORANGE 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  
County of Orange  
Pre-Approved  
ADU Program

OWNER NAME:  
ADDRESS:  
APN:  
LEGAL DESCRIPTION:

revisions  
△  
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description  
Architectural  
Roof Finish  
Details

date 2024  
project no.  
drawn by DESIGN PATH STUDIO  
sheet no.

## 2. CONCRETE FOUNDATION CONSTRUCTION

200. THE FIELD INSPECTOR SHALL VERIFY FOUNDATION REQUIREMENTS DURING FOUNDATION INSPECTION.
201. CONCRETE SHALL BE 4,500 PSI WITH WATER CEMENT RATIO OF 0.45 AND CEMENT TYPE V UNLESS SOILS REPORT IS PROVIDED AND RECOMMENDED OTHERWISE. NO SPECIAL INSPECTION REQUIRED IF CONCRETE TRUCK MIX TICKET IS PROVIDED.
202. SLAB REINFORCEMENT & FOOTINGS SHALL BE PER STRUCTURAL DETAILS. CENTERED IN SLAB.
203. REINFORCING BARS TO BE GRADE 40 FOR #3 BARS, GRADE 60 FOR #4 BARS & LARGER
204. PROVIDE WEAKENED PLANE JOINTS FOR CRACK CONTROL (SAWCUT OR TOOLED JOINT) AT 14'-0" O/C MAX.
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 + 3/8"; LENGTH <=> 1 1/2") PROVIDED THAT A STANDARD CUT WASHER IS USED ON TOP OF THE SQUARE WASHER. SHEARWALL ANCHORS SHALL BE PLACED A MIN. OF 1 1/2" FROM THE EDGE OF CONCRETE.
206. EMBEDDED SILL ANCHOR BOLTS AT TYPICAL NON-SHEARWALL CONDITIONS SHALL BE 3/8" 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.
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.
208. SEE WOOD FRAMING CONSTRUCTION NOTES FOR ALTERNATE SILL ANCHORAGE.
209. ALL HOLDOWNS SHALL BE PLACED A MINIMUM DIM AS SHOWN IN DETAIL 3&4 ON FND DETAIL SHEET FROM EXTERIOR CORNER OF SLAB.
210. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY HOMEOWNER AND COUNTY OF ORANGE BUILDING DEPARTMENT OF ANY DISCREPANCY. TYPICAL.
211. PROVIDE A UFER GROUND FOR ELECTRICAL SYSTEM PER ARTICLE 250.52 N.E.C.
212. ALL SURROUNDING FLAT WORK SHALL BE VERIFIED WITH HOMEOWNER FOR LOCATION AND AMOUNT TO BE POURED.
213. RETROFIT MISPLACED HOLDOWNS AS NOTED BELOW. AT EPOXY ANCHORS USE SIMPSON SET-XP EPOXY PER MANUFACTURERS INSTALLATION REQUIREMENTS AS FOLLOWS:
- | MISPLACED HOLDOWN    | RETROFIT BOLT              | REPLACEMENT HARDWARE |
|----------------------|----------------------------|----------------------|
| LSTD8, HTT4          | 5/8" ALL-THREAD, EMBED 9"  | HTT4                 |
| STDH10, STDH14, HTT5 | 5/8" ALL-THREAD, EMBED 9"  | HTT5                 |
| LT20B                | 5/8" ALL-THREAD, EMBED 7"  | LT20B                |
| LT20B                | ATTACH TO EXISTING A.B.    | LT20B                |
| HDU8                 | 1/2" ALL-THREAD, EMBED 15" | HDU8                 |
214. RETROFIT 3/4" & 5/8" EMBEDDED ANCHOR BOLTS AS NOTED BELOW. AT EPOXY ANCHORS USE SIMPSON SET-XP EPOXY PER SIMPSON'S INSTALLATION REQUIREMENTS.
- | LOCATION                 | TYPE                   | REPLACEMENT                                                                                                             |
|--------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| SLAB EDGE, 1 3/4" DIST.  | SHEARWALL              | 5/8" ALL-THREAD, EPOXY, EMBED 3"                                                                                        |
| INTERIOR > 6" EDGE DIST. | SHEARWALL OR NON-SHEAR | 5/8" TITEN HD, EMBED 3" MIN.                                                                                            |
| ANY OTHER                | NON-SHEAR              | 0.145 DIA. SHOT PINS SPACED 4 INCHES APART ON SILL. (2) FOR EACH MISSING ANCHOR BOLT. MAX. OF (6) SHOT PINS EVERY 6 FT. |
215. WHEN REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, HAVE CONTRACTOR DOCUMENTATION IN WRITING FOR THE FOLLOWING:
- A) THE PAD WAS PREPARED IN ACCORDANCE WITH THE SITE REQUIREMENTS AND COUNTY OF ORANGE APPROVAL
- B) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED & COMPACTED.
- C) THE FOUNDATION EXCAVATIONS, EXPANSIVE CHARACTERISTICS AND BEARING CAPACITY COMPLIES WITH THE COUNTY OF ORANGE RECOMMENDATIONS.

## 3. WOOD FRAMING CONSTRUCTION

300. ROOFING MATERIALS SHALL BE PER ARCHITECTURAL DRAWINGS.
301. ROOF SHEATHING SHALL BE 1/2" OR 3/4" 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.
302. TYPICAL WALL SHEATHING:  
INTERIOR SURFACES: WHERE DRYWALL IS SPECIFIED, PROVIDE MIN. 5/8" 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 SIDES OF ALL INTERIOR WALLS.  
  
EXTERIOR SURFACES: SEE PLANS. WHERE "STUCCO" IS SPECIFIED PROVIDE 1/2" EXTERIOR CEMENT PLASTER OVER WIRE LATH OVER TYPE 15 BUILDING PAPER. LATH ATTACHED TO ALL STUDS AND TOP AND BOTTOM PLATES (OR BLOCKING AS OCCURS) W/ 16 GAGE X 1/8" STAPLES @ 6" O/C OR NO. 11 GAGE X 1-1/2" FURRING NAILS WHERE INDICATED ON ELEVATIONS.
303. STRUCTURAL SHEATHING MAY BE EITHER OSB OR PLYWOOD. ANY NOTES REFERRING TO PLYWOOD ALSO APPLIES TO OSB.
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 NOTCHES, CUT-OUTS AND COMPLETE PLATE BREAKS AT HEATING, VENTING, AND PLUMBING.

## 3. WOOD FRAMING CONSTRUCTION (CONT.)

305. TYPICAL SHEAR TRANSFER:  
ROOF TO WALL: CONNECT ROOF FRAMING TO TOP PLATE W/ SIMPSON H1 @ 24" O/C OR A35 OR RBC @ 24" O/C OR PER SHEAR TRANSFER DETAILS.  
  
SILL PLATE ANCHORS:
306. GROUND FLOOR / SLAB ON GRADE WALLS: PROVIDE 2X (MIN.) PTFD SILL PLATES. SEE CONCRETE FOUNDATION CONSTRUCTION NOTES 206, 207 & 208 FOR ANCHOR BOLTS. AT INTERIOR NON-SHEAR CONDITIONS, 0.145 SHOT PIN ANCHORS @ 32" O/C MAY BE USED TO CONNECT PARTITIONS AND BEARING WALLS TO SLAB.
307. ALL WOOD SILL PLATES AND ALL WOOD MEMBERS DIRECTLY AGAINST CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE REDWOOD SILLS OR PTFD SILLS, TREATED WITH SODIUM BORATE (SBX/DOT) WHEN INSTALLED IN A DRY OR ENCLOSED ENVIRONMENT. (SODIUM BORATE TREATMENT DOES NOT REQUIRE CORROSION RESISTANT CONNECTORS.) IF OTHER TREATMENTS ARE USED, SEE NOTE 309.
308. FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD:  
ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH ACQ-C, ACQ-D, CA-B, AND CBA-A WITHOUT AMMONIA SHALL BE GALVANIZED PER ASTM A153.  
  
ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH ACQ-C, ACQ-D, CA-B, AND CBA-A WITH AMMONIA SHALL BE TYPE 303, 304, 305, OR 316 STAINLESS STEEL.  
  
WHERE PRESSURE TREATED LUMBER IS INSTALLED IN AN EXTERIOR WET ENVIRONMENT, ALL NAILS AND FASTENERS IN CONTACT WITH THE PRESSURE TREATED LUMBER SHALL BE TYPE 303, 304, 305, OR 316 STAINLESS STEEL.
309. RE-TIGHTEN ALL HOLDOWN ANCHORS JUST PRIOR TO COVERING THE WALL FRAMING.
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).  
(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.  
\*UC\* ENGINEERED GLU-LAM BEAM MAY BE USED UPON ENGINEER APPROVALS. AN A.I.T.C CERTIFICATE OF COMPLIANCE ISSUED BY A CURRENT ICC APPROVED QUALITY CONTROL AGENCY FOR GLUED LAMINATED WOOD MEMBERS SHALL BE GIVEN TO THE BUILDING INSPECTOR PRIOR TO INSTALLATION.
311. LUMBER SPECIFICATIONS:  
ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH. STUDS, PLATES & BLOCKING:  
2X4 FRAMING LUMBER NOT LISTED BELOW STANDARD GRADE OR BETTER  
92-1/4", 104-1/4", & 116-1/4" 2X4 STUDS STUD GRADE OR BETTER  
2X4 STUDS OVER 10' #2 OR BETTER  
2X4 SILLS & PLATES STANDARD OR BETTER  
2X6 STUDS, SILLS, & PLATES #2 OR BETTER  
4X4 STUDS & POSTS STANDARD OR BETTER OR #1  
4X6, 6X6, & LARGER STUDS & POSTS #1 OR BETTER  
4X4, 4X6 BEAMS & HEADERS #2 OR BETTER  
4X8, 4X10, 4X12, 4X14 BEAMS & HEADERS #1 OR BETTER  
6X4 BEAMS & HEADERS #2 OR BETTER  
6X6 & LARGER BEAM & HEADERS #1 OR BETTER  
2X10 AND LARGER RAFTERS AND JOISTS #1 OR BETTER
312. HOLES, CUTOUTS, AND NOTCHES IN FRAMING MEMBERS:  
BY VIRTUE OF CODE COMPLIANCE WITH ELECTRICAL AND PLUMBING CODES, HOLES AND NOTCHES WILL INEVITABLY BE MADE IN FRAMING MEMBERS. THE CODE RECOGNIZES AND APPROVES VARIOUS HOLES AND NOTCHES WITHOUT ENGINEERING JUSTIFICATION IN CBC SECTION 2308.8.2. ENGINEERED (PSL, LSL) RECTANGULAR LUMBER BEAMS BEHAVE LIKE ANY OTHER RECTANGULAR SHAPE WHEN NOTCHED OR BORED, SO THE ENGINEER OR ARCHITECT MAY SPECIFY LIMITS WITHOUT MANUFACTURER APPROVAL. OTHER HOLES AND NOTCHES ARE ALLOWED AS NOTED BELOW:  
  
PSL AND LVL BEAMS: A HOLE 1 INCH IN DIAMETER CAN BE DRILLED ANYWHERE, AND A 2 INCH DIA. HOLE CAN BE DRILLED IN THE MIDDLE THIRD OF THE SPAN IN THE MIDDLE THIRD OF THE DEPTH OF THE BEAM FOR ANY PSL OR LVL BEAM, EXCEPT CANTILEVERED BEAMS AND BEAMS SUPPORTING CONCENTRATED LOADS. HOLES IN THOSE CONDITIONS REQUIRE APPROVAL IN WRITING FROM THE ENGINEER.
313. PROVIDE 2X4 TRIMMER & 2X4 KING STUD EACH END OF EACH 4X DROPPED BEAM OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 4X10 OR LARGER. PROVIDE DOUBLE TRIMMERS AT EACH 3-1/2 X 7-1/2 PSL OR LSL OR LARGER.
314. PROVIDE 2X6 TRIMMER & 2X6 KING STUD EACH END OF EACH 6X DROPPED BEAM OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 6X6 OR LARGER. PROVIDE DOUBLE TRIMMERS AT EACH 5-1/4 X 7-1/2 PSL OR LSL OR LARGER.
315. PROVIDE DOUBLE KING STUDS AT ALL OPENINGS 8'-1" WIDE AND WIDER OR PER PLAN.
316. PROVIDE MINIMUM 2-1/4" BEARING @ EACH END OF EACH FLUSH BEAM OR HEADER WHERE BEARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3" OF BEARING POINT. PROVIDE (2) 2X STUDS @ 6X OR LSL OR PSL BEAMS.
317. ROOF RAFTERS SHALL BE 2X RAFTERS AS NOTED ON STRUCTURAL DRAWINGS
318. EAVES SHALL BE PER ARCHITECTURAL PLANS W/ APPLIED TAILS PER ARCHITECTURAL PLANS. OVERHANG DETAILS ARE NOT SHOWN ON STRUCTURAL PLANS.
319. SEE THE ARCHITECTURAL ROOF PLANS FOR ROOF PITCH AND ADDITIONAL INFORMATION.
320. COMBINE AND GROUP PLUMBING VENTS WHENEVER POSSIBLE TO MINIMIZE ROOF PENETRATIONS.

## 3. WOOD FRAMING CONSTRUCTION (CONT.)

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.
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  |
|--------------------|---------------------|
| RAFTERS            | LU, LUS, LUC, OR HU |
| 1.75 X LSL AND LVL | HU, HUS, OR WPU     |
| 2.69 X PSL AND LVL | HU OR HWU           |
| 3.5 X PSL AND LVL  | HHUS OR HWU         |
| 5.25 X PSL AND LVL | HHUS OR HWU         |
| 7 X PSL AND LVL    | HHUS OR HWU         |
- AT BEAM HANGER CALLOUTS, IE HGUS OR HU BEAMS, THE CALLOUT IS ABBREVIATED. THE HANGER WIDTH MAY BE OMITTED TO ALLOW FLEXIBILITY IN ORDERING. EXAMPLE: 2.69 PSL THE CALLOUT MAY READ HGUS12. AN HGUS2.75/12 OR HGUS412 (WITH FILLERS) ARE APPLICABLE. WHERE HANGERS OFFER (MIN) OR (MAX), NAIL TO APPLY (MAX) LOADS.
323. WHERE SHEARWALL LENGTHS ARE SPECIFIED ON THE PLANS, THE LENGTH SHOWN IS A MINIMUM DIMENSION. THE SHEARWALL MAY BE LENGTHENED FOR CONSTRUCTION PURPOSES, BUT SHALL NOT BE REDUCED UNLESS OTHERWISE NOTED. ALL ENGINEERED WOOD PANEL SHEAR (PLYWOOD OR OSB) SHALL BE BLOCKED.
324. THE FOLLOWING HOLES IN SHEARWALLS ARE ALLOWED:  
A) APPROXIMATELY SQUARE HOLES NOTCHED, PUNCHED, OR CUT THAT ARE LESS THAN 25 SQ. INCHES  
B) APPROXIMATELY SQUARE HOLES CLEAN CUT OR BORED IN SHEARWALLS THAT ARE LESS THAN 64 SQ. INCHES (ONE HOLE PER 4' OF SHEARWALL.)  
C) APPROXIMATELY SQUARE HOLES, LESS THAN 64 SQ. INCHES (ONE HOLE PER 8' OF SHEARWALL) WITH ALL EDGES BLOCKED & EDGE NAILED.  
D) HOLES INDIVIDUALLY APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD.
325. STUDS SHALL BE SPACED @ 16" O/C MAX. UNLESS OTHERWISE SPECIFIED. USE STUD GRADE EXCEPT AT PLATE HEIGHTS HIGHER THAN 10'-0", THEN USE DF#2 OR BETTER
326. ALL FINISHES, WATERPROOFING, DRAINAGE, AND FIRE-RELATED ELEMENTS ARE BY THE ARCHITECT OF RECORD AND ARE REQUIRED EVEN THOUGH THEY MAY NOT BE SHOWN ON THE STRUCTURAL PLANS AND DETAILS.

## 4. ICC-ES AND NER APPROVALS

400. PLYWOOD AND OSB PANELS: FULL REPORTS FOUND AT: [HTTP://WWW.ICC-ES.ORG](http://www.icc-es.org)  
APA PLYWOOD & OSB-ESR-2586
401. JOISTS AND RAFTERS AND BEAMS:  
TRUS-JOIST TJI JOISTS AND PSL, LSL, & LVL-ICC-ES ESR-1387, 1153,  
BOISE CASCADE BCI JOISTS, VERSA-LAM, & VERSA-STRAND-ICC-ESR-1040, 1336  
LOUISIANA PACIFIC JOISTS & BEAMS-ESR-1305, 2403  
ROSEBURG JOISTS & BEAMS-ESR-1210, 1251  
GLU-LAM BEAMS-- ESR-1940  
PACIFIC WOOD TECH - ESR 2909
402. WOOD CONNECTORS:  
SIMPSON CONNECTORS-ICC-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, 2617, 2820, 3046  
IAPMO ER-112, 130, 143, 192, 262  
USP LUMBER CONNECTORS-ICC-ES ESR #S 1178, 1280, 1575, 1702, 1781, 1881, 1970, 2104, 2685, 1831, 1465, 2761, 2787, IAPMO ER-200  
QUICK DRIVE WOOD SCREWS-ICC-ES ESR-1472
403. ADHESIVES & ANCHORS:  
SIMPSON EPOXY-TIE HIGH STRENGTH EPOXY (SET-XP)-ICC-ES ESR-1772, 2508.  
SIMPSON WEDGE-ALL (WA) WEDGE ANCHORS-ICC-ES ES-1771  
SIMPSON TITEN HD-ICC-ESR-1056, 2713  
SIMPSON SHOT PINS ICC-ES ESR-2138  
HLTI X-DN, X-ZF, X-CF SHOT PINS-ICC-ES ER-1663, 1752, 2269

## 5. NAILING & FASTENING

500. 16D NAILS AS SHOWN ON THE DETAILS MAY BE COMMON, BOX, OR SINKER NAILS (0.135" MIN. DIA)
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.
502. ALTERNATE NAILING FOR ROOF SHEATHING:  
8D 2 1/2" X 0.135 WIRE BARBED NAILS BY CUTLER OR EQUAL.
503. ALTERNATE NAILING FOR FLOOR SHEATHING: #8 X 2" SELF SETTING WOOD SCREWS, OR  
8D 2 1/2" X 0.135 OR 0.148 SCREW SHANK FLOOR NAILS BY CUTLER OR EQUAL
504. SHEAR PANELS WHERE 8D COMMON NAILS ARE SPECIFIED:  
10D 2 1/2" X 0.148" WIRE BARBED NAILS BY CUTLER OR EQUAL

## NAIL SIZES

SIZE OF NAIL	STANDARD LENGTH	WIRE GAUGE	SIZE (INCHES)	PENETRATION REQUIRED
6D	2"	12	0.099	1"
8D	2"	11	0.113	1"
10D	3"	10	0.128	1"
12D	3"	10	0.128	1"
16D	3"	10	0.135	1"
16D SINKER	3"	9	0.148	1"

## BOX NAILS

6D	2"	12	0.099	1"
8D	2"	11	0.113	1"
10D	3"	10	0.128	1"
12D	3"	10	0.128	1"
16D	3"	10	0.135	1"
16D SINKER	3"	9	0.148	1"

## COMMON NAILS

6D	2"	11	0.113	1"
8D	2 1/2"	10	0.131	1"
10D	3 1/2"	9	0.148	1 1/2"
12D	3"	9	0.148	1 1/2"
16D	3"	8	0.162	1 1/2"

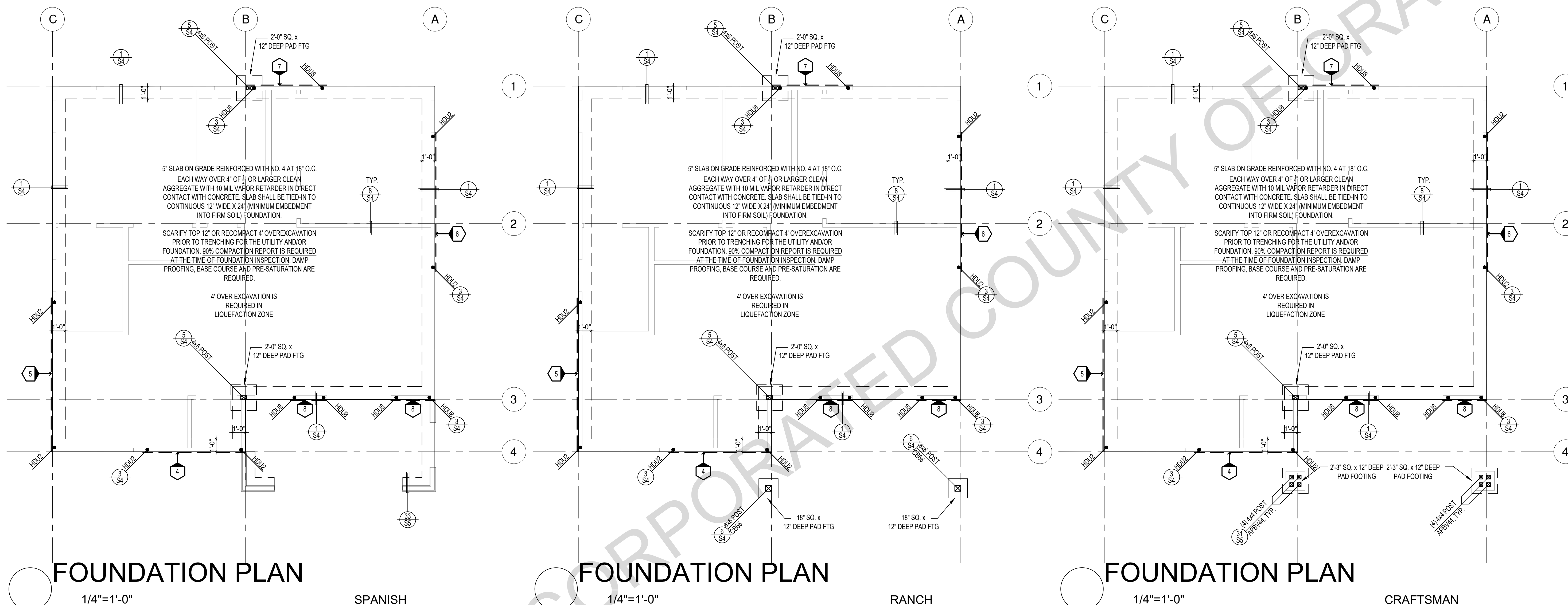
## 6. NAILING SCHEDULE, MINIMUMS (CBC CHAPTER 23, TABLE 2304.10.2)

- 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  
16d Com, 3"x.131" nails, 3"x14 gage staples @ 6" o.c
- CEILING JOISTS TO TRUSS AND WEB, F.N. 4-8d box, 3-8d Com, 3-10d box, 3-3"x.131 nails, 3-3" 14 gage staples
- CEILING JOISTS TO TOP PLATE, T.N. 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS, F.N. PER 2308.7.3.1 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- CEILING JOISTS ATTACHED TO PARALLEL RAFTER (HEEL JOINT), F.N. PER 2308.7.3.1 3-10d Com, 4-10d box, 4-3"x 0.131" nails, 4-3" 14 gage staples
- COLLAR TIE TO RAFTER, F.N. 3-10d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- RAFTER/TRUSS TO TOP PLATE, T.N. PER TABLE 2308.7.3.5 3-10d Com, 3-16d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- RAFTERS TO RIDGE VALLEY OR HIP; OR FATER TO 2" RIDGE BEAM
- TOENAIL 4-16d box, 3-10d Com, 3-16d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- ENDNAIL 2-16d Com, 3-16d box, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- STUD TO STUD (NOT AT BRACED WALL PANELS) 16d Com @ 24" o.c. FN OR 2-10d box, 3" x 0.131" nails, 3-3" 14 gage staples @ 16" o.c. FN
- STUD TO STUD AT INTERSECTING WALL CORNERS (BRACED WALL) 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12" o.c. FN
- BUILT-UP HEADER (2" TO 2"), FN EA. EDGE 16d Com @ 16" o.c. OR 16d Box @ 12" o.c.
- CONT. HEADER TO STUD, T.N. 4-8d Com, 4-10d Box, 5-8d box
- TOP PLATE TO TOP PLATE 16d Com @ 16" o.c. FN OR 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12 o.c. FN
- TOP PLATE TO TOP PLATE, AT END JOINTS (EACH SIDE OF END JOINT), FACENAIL 8-16d Com, 12-16d Box, 12-10d Box, 12-3" x 0.131" nails, 12-3" 14 gage staples
- 24" MIN LAP SPLICE EA. SIDE 16d Com
- BOTTOM PLATE TO JOIST, RIM, OR BLKG. FACENAIL 16d Box, 3" x 0.131" nails, 3" 14 gage staples
- UNBRACED WALL: 16" o.c. FN 3-16d Com, 2-16d Com, 3-10d Box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- UNBRACED WALL: 12" o.c. FN 4-8d box, 3-8d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- BRACED WALL: 16" o.c. FN 4-8d box, 3-8d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- STUD TO TOP OR BOTTOM PLATE
- TOENAIL 4-8d Box, 4x10d Box, 4-8d Com, 3-16d Box, 4-3"x0.131" nails, 4-3" 14 gage staples
- ENDNAIL 3-16d Box, 2-16d Com, 3-10d Box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- TOP PLATES, LAPS AT CORNERS AND INTERSECTION, F.N. 3-8d Box, 2-8d Com, 2-10d Box, 2-3" x 0.131" nails, 2-3" 14 gage staples
- 1" BRACE TO EACH STUD AND PLATE, F.N. 3-8d Box, 2-1.75" 16 Gage staples, 2-8d Com, 2-10d Box
- 1"x6" SHEATHING TO EACH BEARING, F.N. 4-8d box, 4-1.75" 16 Gage staples, 3-8d Com, 3-10d Box
- 1"x8" SHEATHING AND WIDER TO EACH BEARING, F.N. 4-8d box, 3-8d Com, 3-10d Box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- JOIST TO SILL, TOP PLATE, OR GIRDER, T.N. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER 8d Box @ 4" o.c. TN OR 8d Com, 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 6" o.c. TN
- 1"x6" SUBFLOOR OR LESS TO EACH JOIST, F.N. 2-1.75" Gage Staples, 2-8d Com, 3-10d Box
- 2" SUBFLOOR TO JOIST OR GIRDER, F.N. OR BLIND 3-16d Com, 2-16d Com
- 2" PLANKS (PLANK & BEAM - FLOOR & ROOF), FACENAIL & EACH BEARING 20d Com
- BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS 10d Box, 3"x0.131" nails, 3" 14 gage staples
- 32" o.c. FN Top & BTM STAGGERED ON OPPOSITE SIDES 2-20d Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14ga. STAPLES
- 24" o.c. FN Top & BTM ENDS & SPLICES, FN 4-16d Box, 3-16d Com, 4-10d Box, 4-3"x0.131, 4-3" 14ga. STAPLES
- LEDGER SUPPORTING JOISTS/RAFTERS 3-16d Com, 4-10d Box, 4-3"x0.131, 4-3" 14ga. STAPLES
- JOIST TO BAND OR RIM JOIST, END NAIL 2-8d Com, 2-10d box, 2-3" x 0.131" nails, 2-3" 14 gage staples
- BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS EACH END, T.N.

WOOD STRUCT. PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRMG AND PARTICLEBOARD WALL SHEATHING TO FRAMING	EDGES (N)	INTERMEDIATE SUPPORTS (IN)	FOOTNOTES:
16d Com or deformed; or 2 1/2"x.113" nail (subfloor and wall)	6	12	<p>a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.</p> <p>b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).</p> <p>c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.</p> <p>d. RRSR-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.</p> <p>e. Tabulated fastener requirements apply where the ultimate design 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 supports shall be permitted where the fastening is designed per the AWC NDS.</p> <p>f. Fastening is only permitted where the ultimate design wind speed is less than or equal to 110 mph</p> <p>g. Nails and staples are carbon steel meeting the specifications of ASTM F1667. Connectors using nails and staples of other materials, such as stainless steel, shall be designed by acceptable engineering practice or approved under Section 104.11.</p>
8d Com or deformed (roof) or 2 1/2" x.113" nail (roof)	6	6	
1 1/2" 16 Ga Staple, 1 1/8" crown (subfloor and wall)	4	8	
2 1/2" x.113"x.266" head nail (roof)	3	1	
1 1/2" 16 Ga Staple, 1 1/8" crown (roof)	3	1	
8d Com or deformed (subfloor and wall)	6	12	
8d Com or deformed (roof) or 2 1/2" x.113" nail (roof)	6	6	
2 1/2" x.113"x.266" head nail, 2" 16 Gage staple, 1 1/8" crown	4	8	
10d Com or (3"x0.148"); or deformed (2 1/2" x.131"x.281 heads)	6	12	
1 1/2" x0.120", galvanized roofing nail (1 1/8" head dia) or 1 1/2" 16 Ga Staple w/ 1 1/8" or 1" crown	3	6	
1 1/2" x0.120", galvanized roofing nail (1 1/8" head dia) or 1 1/2" 16 Ga Staple w/ 1 1/8" or 1" crown	3	6	
<b>WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING</b>			
3/4" & LESS	8d COMMON (2 1/2"x0.131"); or deformed (2"x0.113"); or deformed (2"x0.120")	6	12
5/8" - 1"	8d COMMON (2 1/2"x0.131"); or deformed (2"x0.113"); or deformed (2"x0.120")	6	12
1 1/2" - 1 3/4"	10d COMMON (3"x0.148"); or deformed (2 1/2"x0.131"); or deformed (2 1/2"x0.120")	6	12
<b>PANEL SIDING TO FRAMING</b>			
1/2" & LESS	6d corrosion-resistant siding (1 1/2"x.106"); or 6d corrosion-resistant (2"x.099")	6	12
5/8"	8d corrosion-resistant siding (2 1/2"x0.128"); or 8d corrosion-resistant casing (2 1/2"x0.113")	6	12
<b>INTERIOR PANELING</b>			
1"	4d casing (1 1/2"x0.080"); or 4d finish (1 1/2"x0.072")	6	12
3/8"	6d casing (2"x0.099"); or 6d finish (2"x.092") - (Panel supports at 24 inches)	6	12

## 7. DESIGN CRITERIA

700. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE AND 2022 CALIFORNIA RESIDENTIAL CODE.
701. SEISMIC DESIGN CRITERIA:  
SOIL BEARING VALUE 1,500 psf  
SITE CLASS D (Default)  
SEISMIC DESIGN CATEGORY II  
RISK CATEGORY D  
SEISMIC IMPORTANCE FACTOR 1  
Ss 1.872  
S1 0.658
- 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.
702. WIND DESIGN CRITERIA:  
WIND SPEED (V-w) 124 mph  
RISK CATEGORY II  
EXPOSURE C
- 703



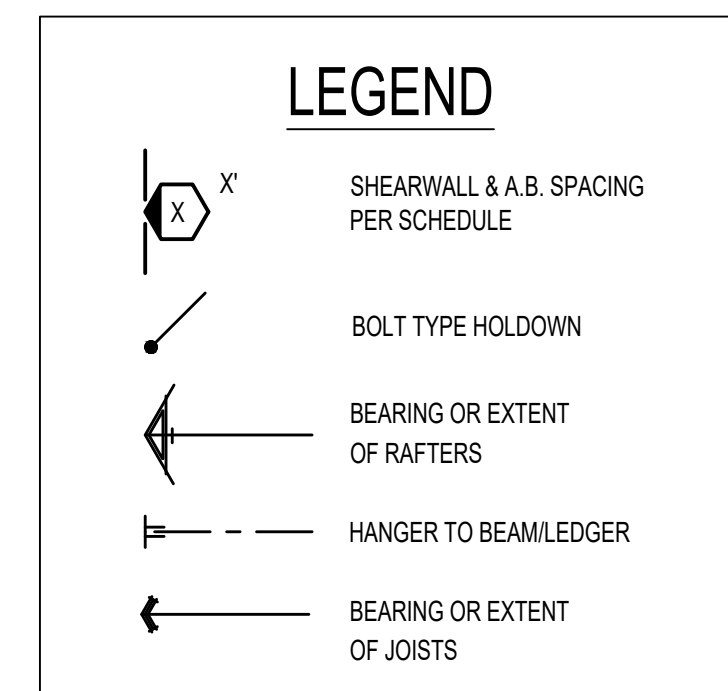
BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AGREES TO THE FOLLOWING CONDITIONS:

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- 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.

SHEAR WALL SCHEDULE (ASD VALUES)

- FOUNDATION NOTES**
- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
  - ALL EXTERIOR STUDS TO BE 2x4 @ 16" O.C.
  - THE MINIMUM NOMINAL ANCHOR BOLT DIAMETER SHALL BE 1/2" INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
  - PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT.
  - PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
  - SEE SHT S4 FOR TYP. CONCRETE & SLAB DETAILS 1-8
  - POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2) 16d T.N. EA. SIDE, TYP.
  - FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

	4	5	6	7	8	9
SHEARWALL DESCRIPTION (See footnotes 1 & 4)	3/8" ply. C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnote 3)	3/8" ply. C-D or C-C sheathing, (1) side w/ 8d @ 4 1/2" o/c edge, 12" o/c field, blocked (See footnote 3)	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)	3/8" rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	1/2" 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)	1 1/2" rated STRUCT 1 panel, (1) side w/ 10d @ 2" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, & 5)
SHEAR VALUE (PLF)	260*	350*	490*	550*	665*	870*
ANCHOR BOLT SPACING	3/4" @ 48" or 1/2" @ 32"	3/8" @ 32" or 1/2" @ 24"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 16" or 1/2" @ 24"	3/8" @ 12" or 1/2" @ 8"
16d (0.148") SILL NAILING	6"	4 1/2"	3 1/2"	3"	1/2" x 4 1/2" SDS screws @ 8"	1/2" x 4 1/2" SDS screws @ 8"
SPACING OF A35LTP4 FRAMING TO TOP PLATE	32" O.C.	18" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.



SHEAR WALL FOOTNOTES

- 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. SHEARWALLS SHALL BE APPLIED OVER STUDS @ 16" O.C. GALVANIZED NAILS SHALL NOT BE HOT-DIPPED OR TUMBLED.
- SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209, 307, 308, 309, ETC.)
- 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.
- 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.
- 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.

project  
County of Orange  
Pre-Approved  
ADU Program

OWNER NAME:  
ADDRESS:  
APN:  
LEGAL DESCRIPTION:

revisions  
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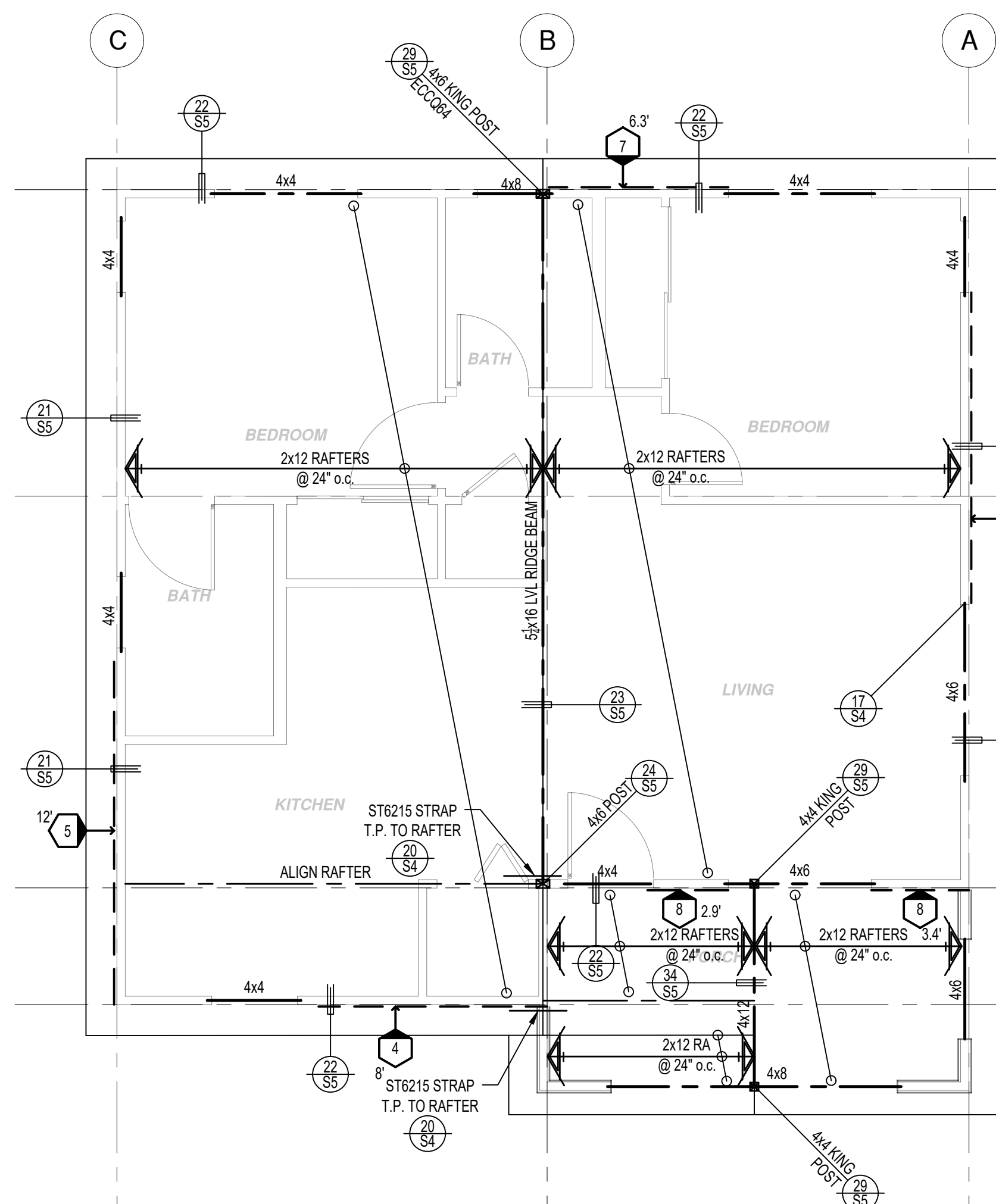
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2 Bathroom  
Foundation  
Plan

date 2024

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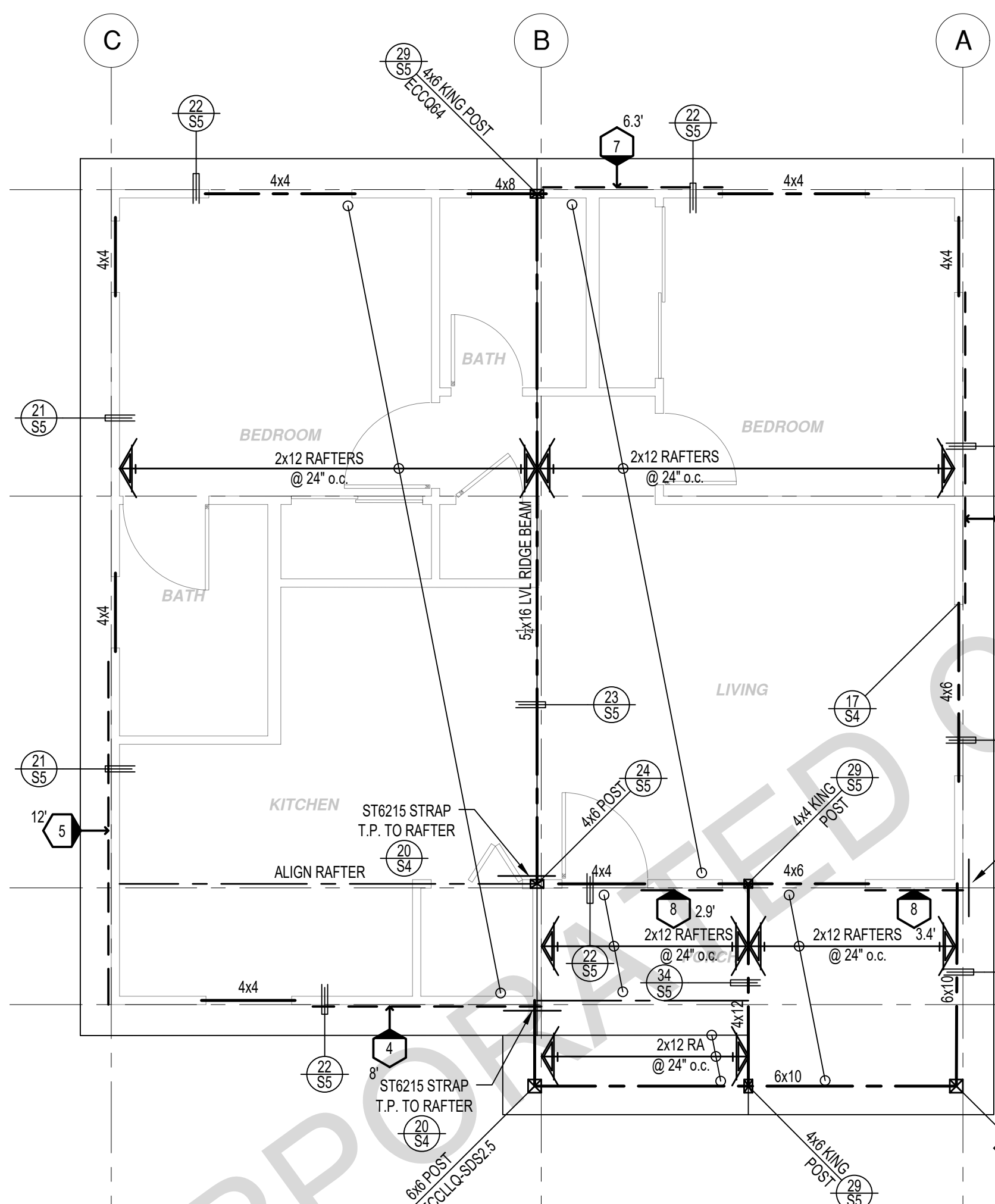
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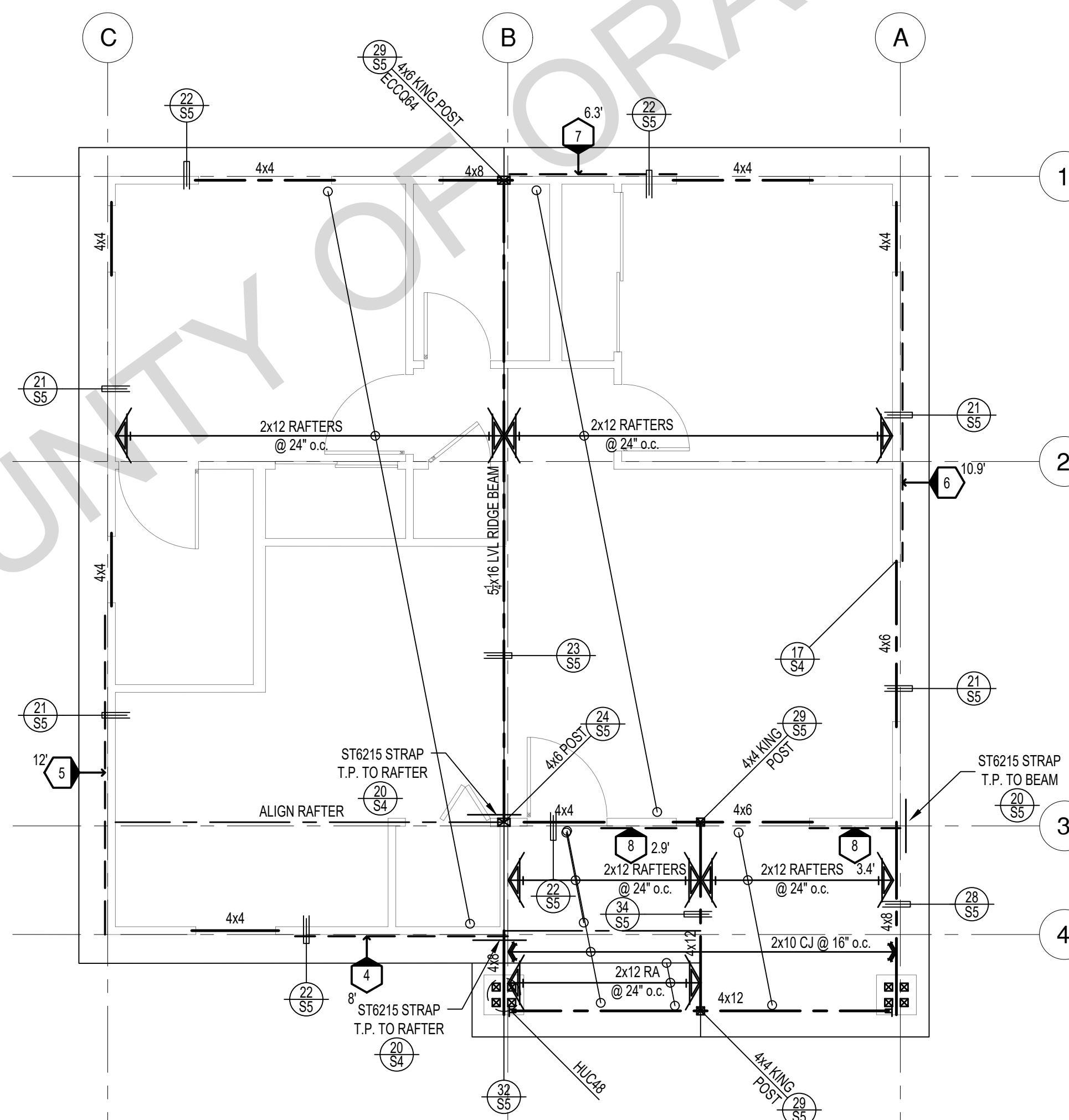
ROOF FRAMING PLAN

1/4"=1'-0" SPANISH



ROOF FRAMING PLAN

1/4"=1'-0" RANCH



ROOF FRAMING PLAN

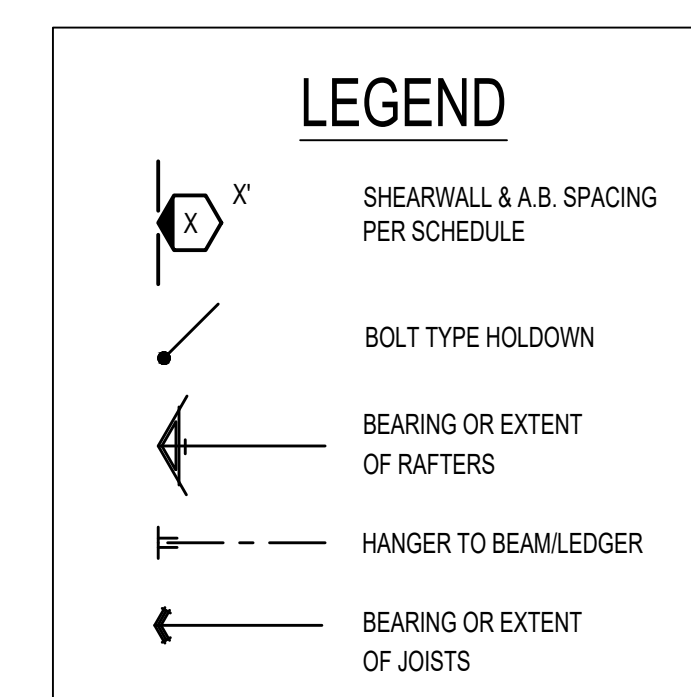
1/4"=1'-0" CRAFTSMAN

SHEAR WALL SCHEDULE (ASD VALUES)

	4	5	6	7	8	9
SHEARWALL DESCRIPTION (See footnotes 1 & 4)	3/8" ply. C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnote 3)	3/8" ply. C-D or C-C sheathing, (1) side w/ 8d @ 4 1/2" o/c edge, 12" o/c field, blocked (See footnote 3)	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)	3/8" rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	1/2" 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)	1 1/2" rated STRUCT 1 panel, (1) side w/ 10d @ 2" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, & 5)
SHEAR VALUE (PLF)	260*	350*	490*	550*	665*	870*
ANCHOR BOLT SPACING	3/4" @ 48" or 1/2" @ 32"	3/8" @ 32" or 1/2" @ 24"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 16" or 1/2" @ 24"	3/8" @ 12" or 1/2" @ 8"
16d (0.148") SILL NAILING	6"	4 1/2"	3 1/2"	3"	1/2" x 4 1/2" SDS screws @ 8"	1/2" x 4 1/2" SDS screws @ 8"
SPACING OF A35LTP4 FRAMING TO TOP PLATE	32" O.C.	18" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.

SHEAR WALL FOOTNOTES

- 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. SHEARWALL SHALL BE APPLIED OVER STUDS @ 16" O/C. GALVANIZED NAILS SHALL NOT BE HOT-DIPPED OR TUMBLED.
- SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209, 307, 308, 309, ETC.)
- 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.
- 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.
- 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.



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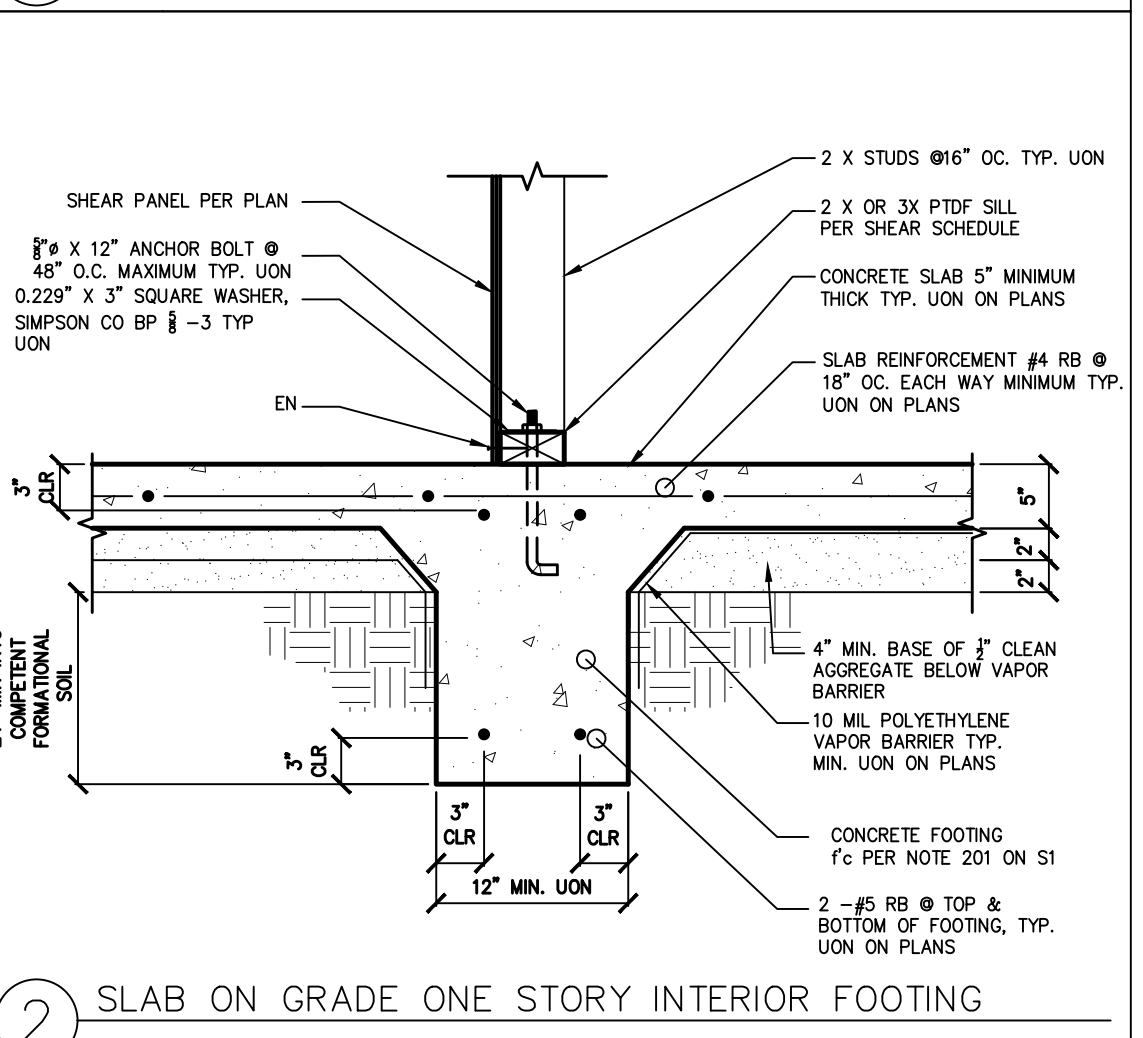
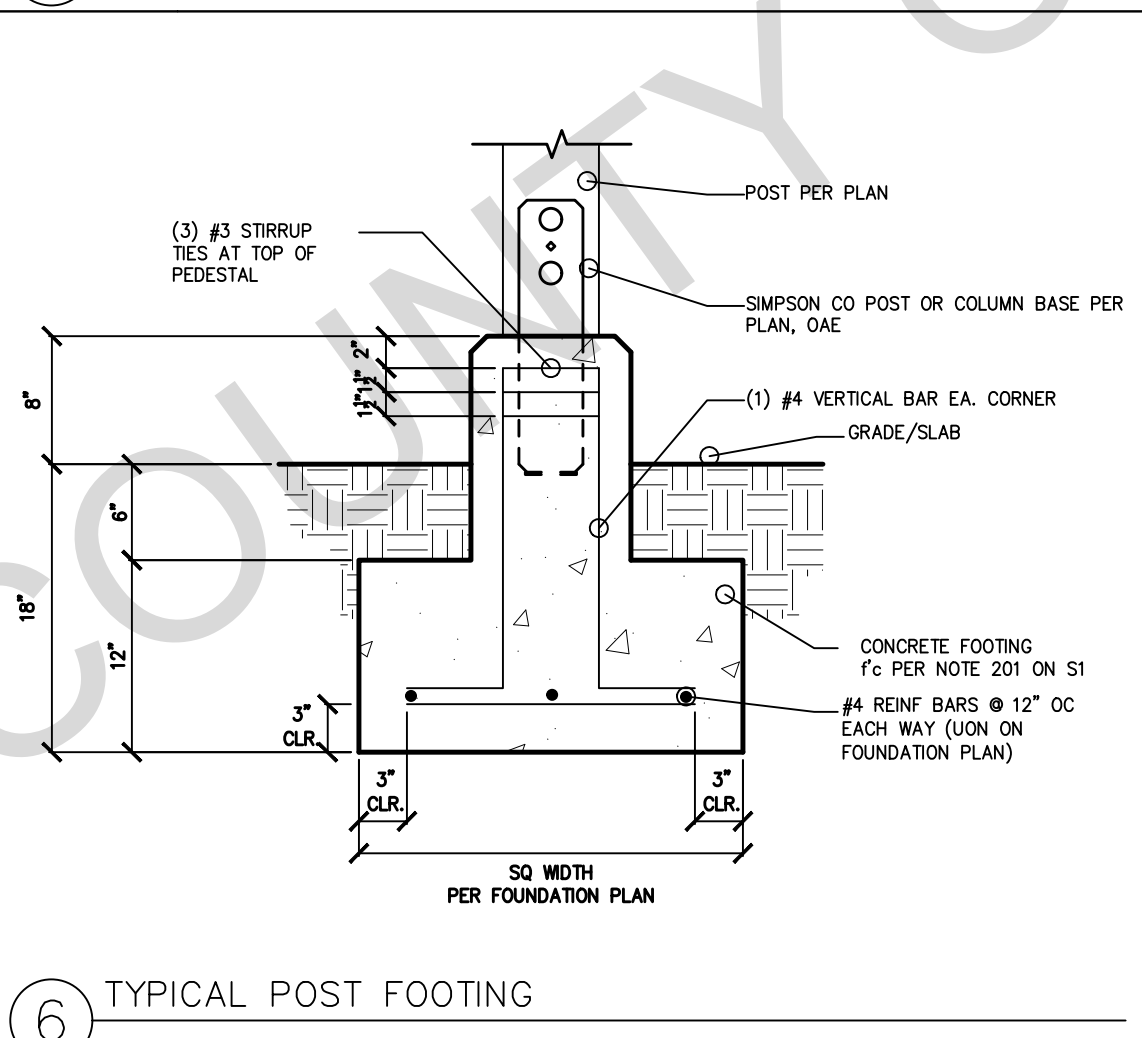
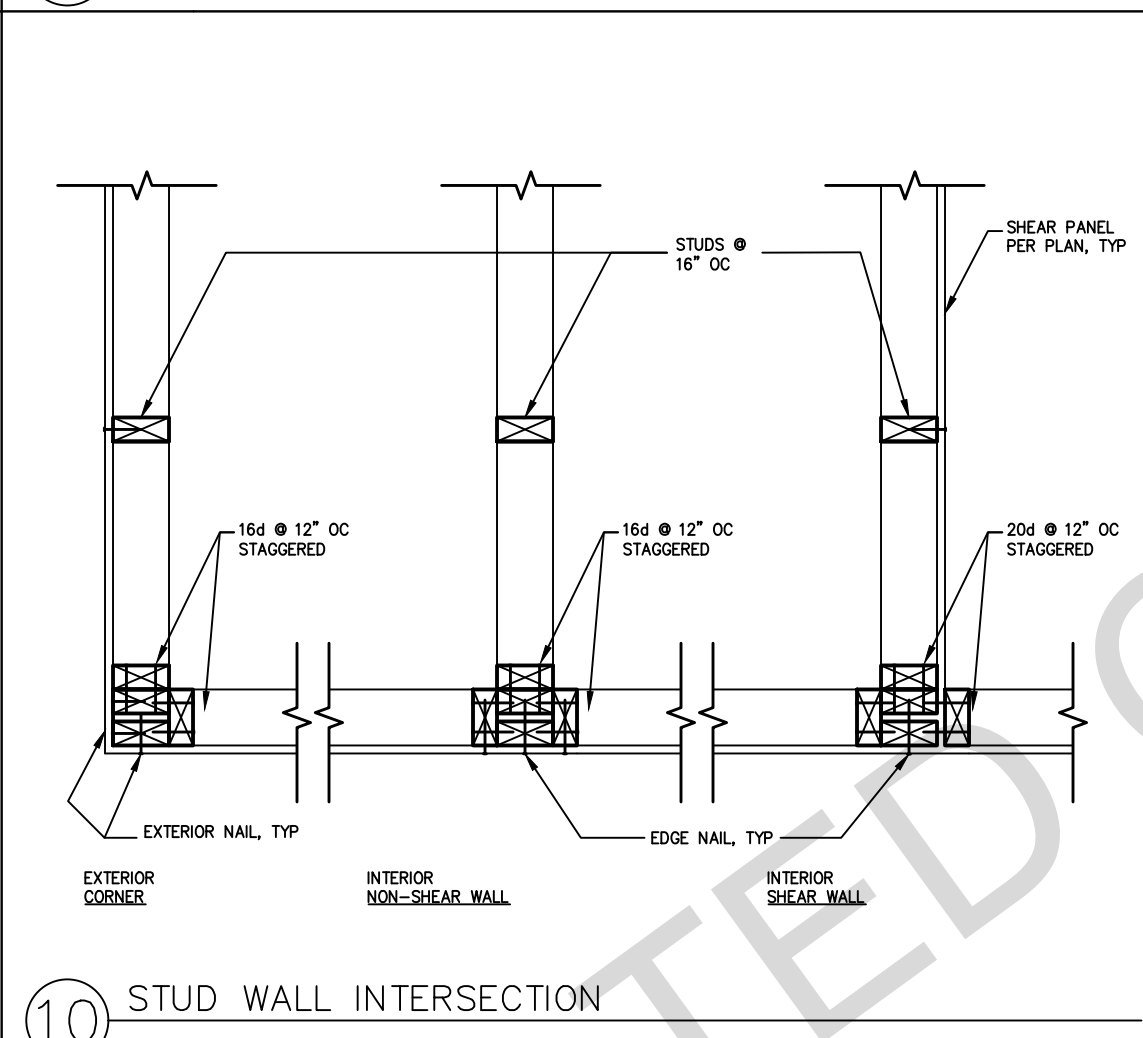
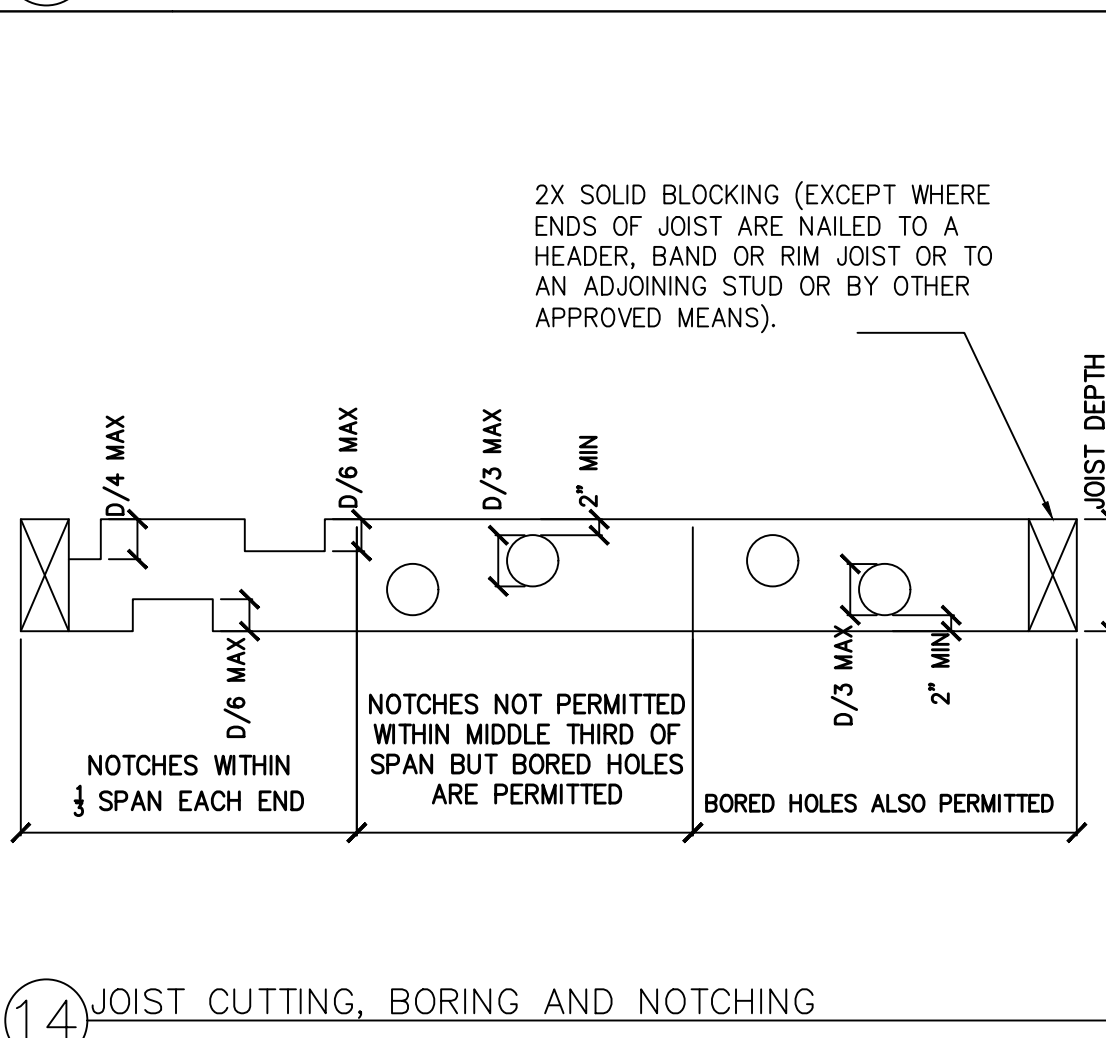
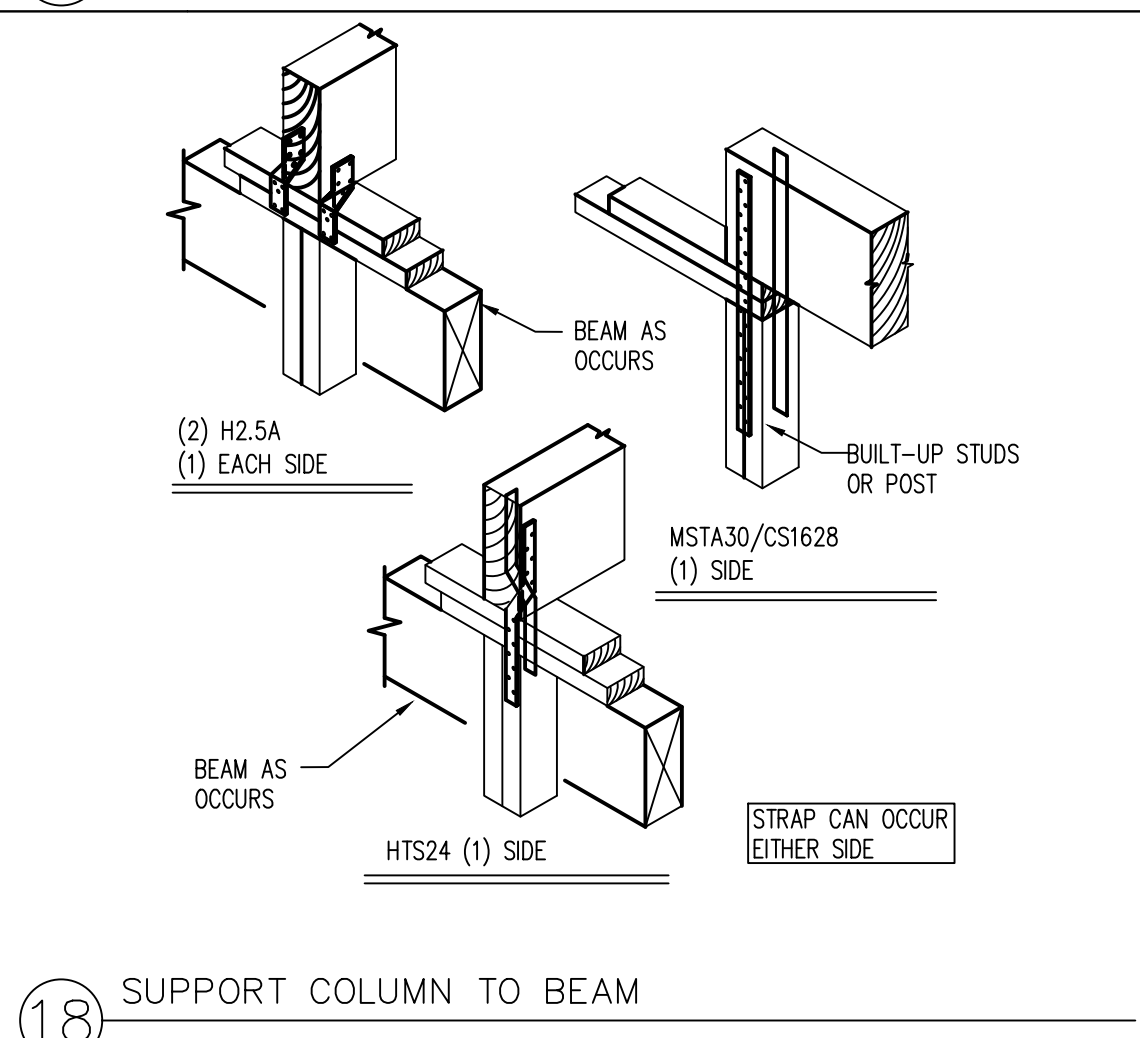
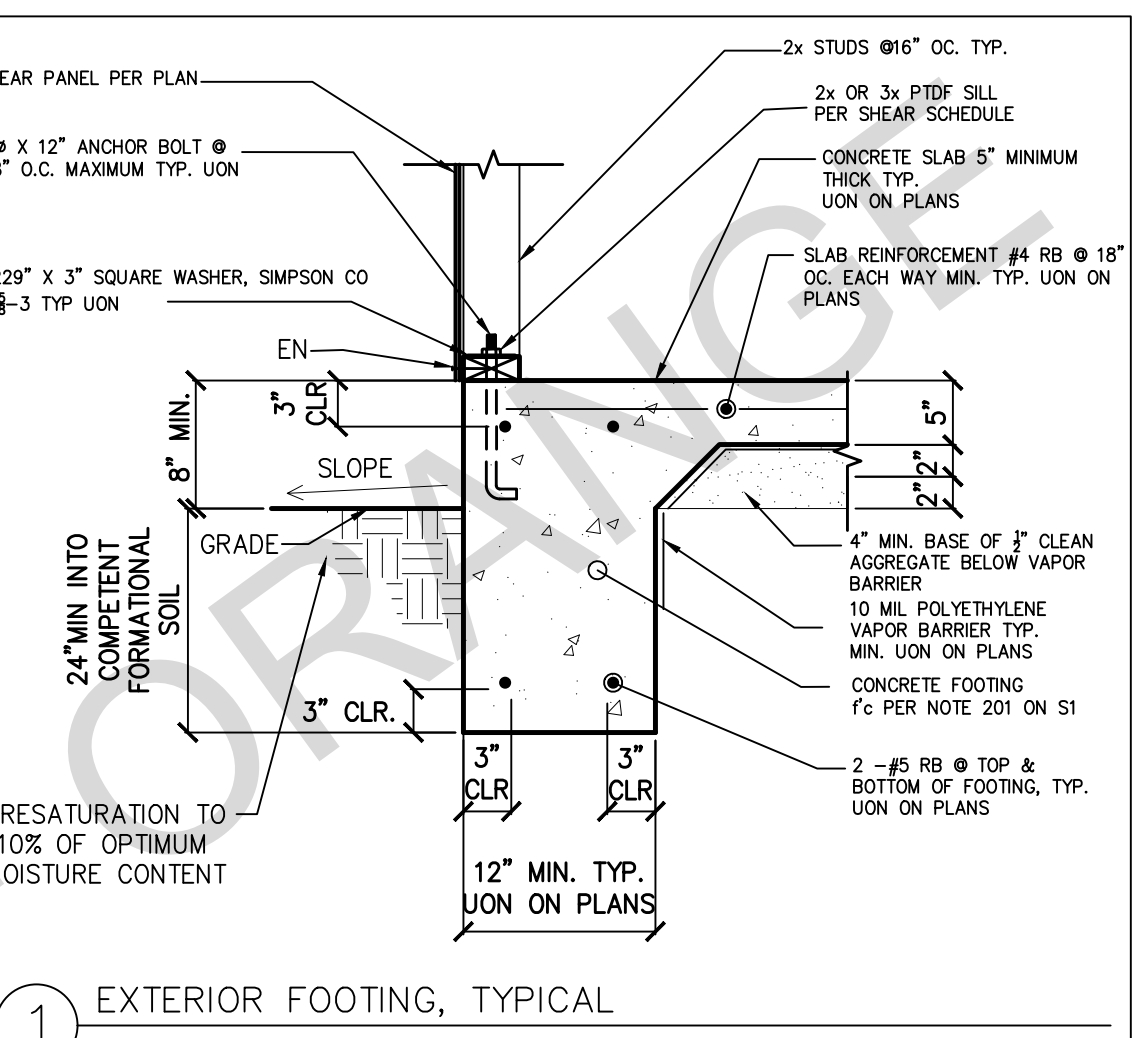
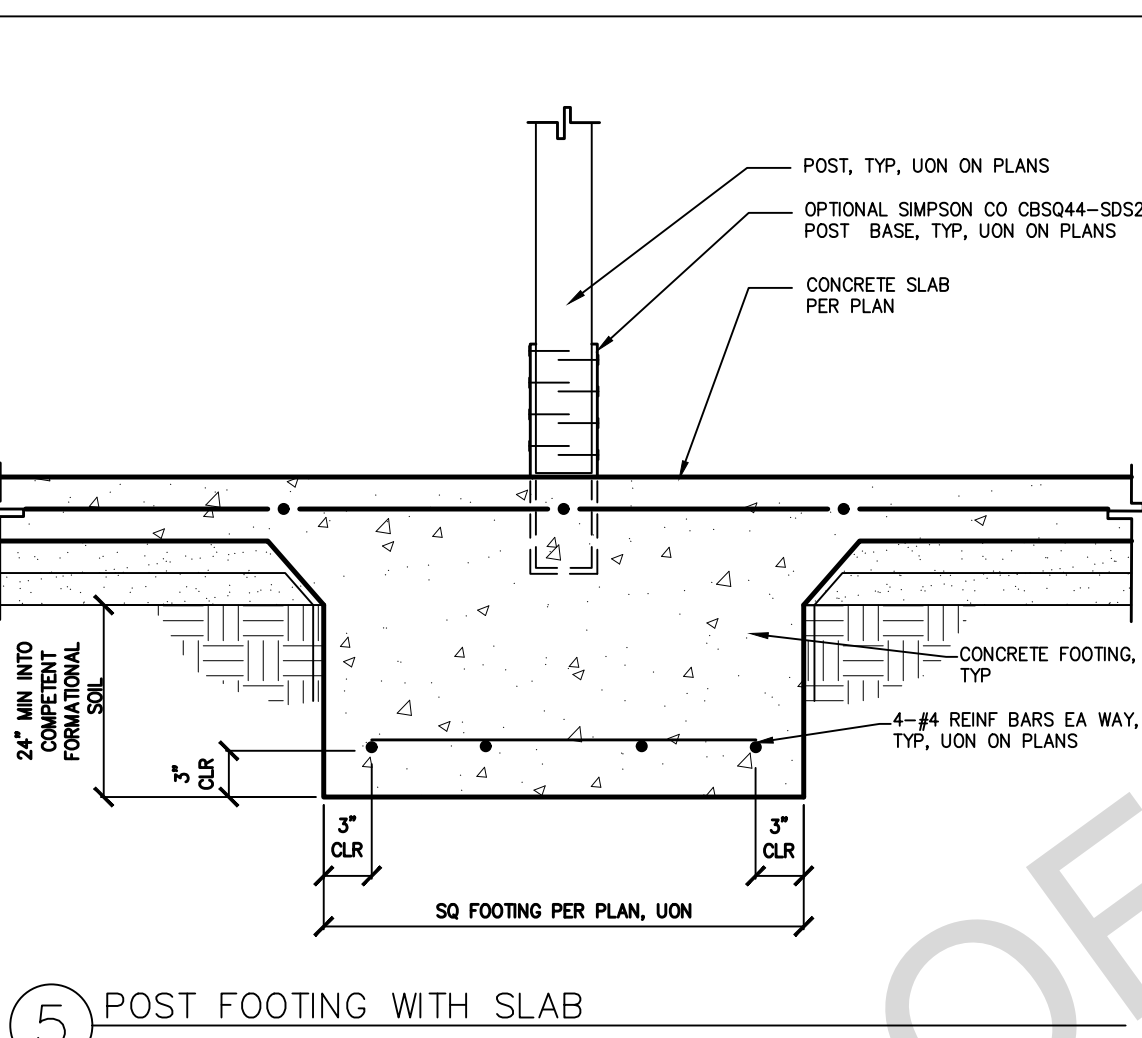
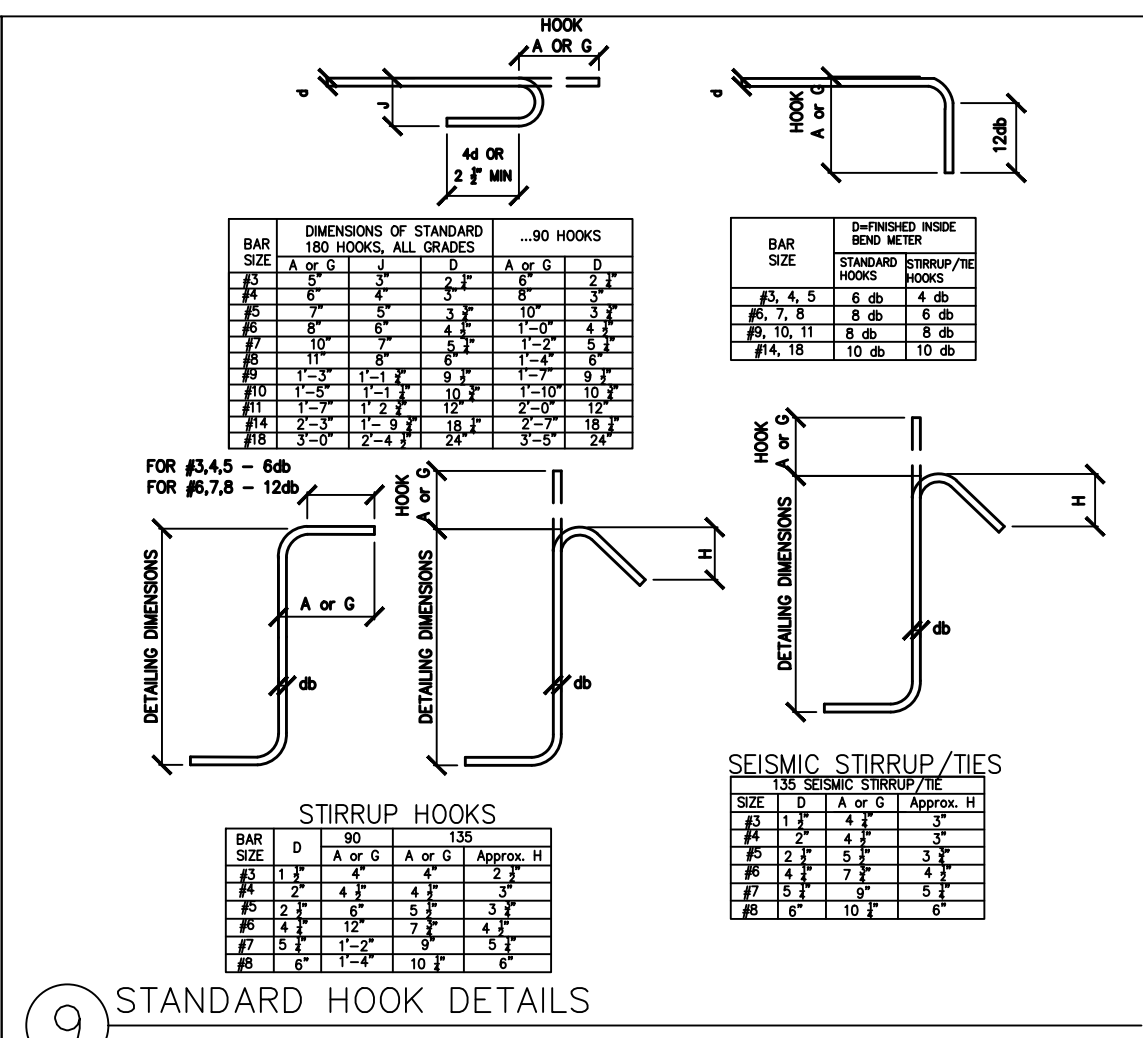
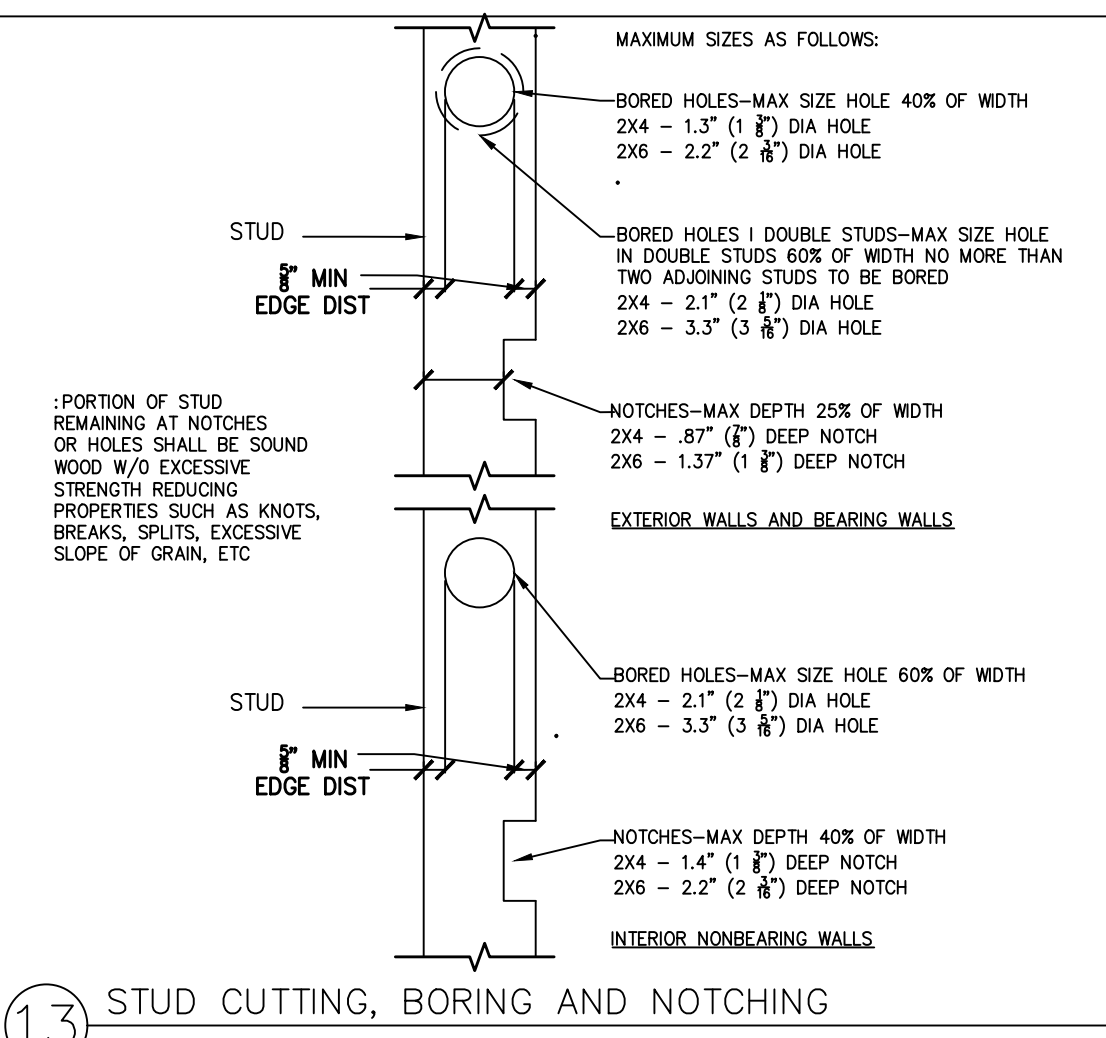
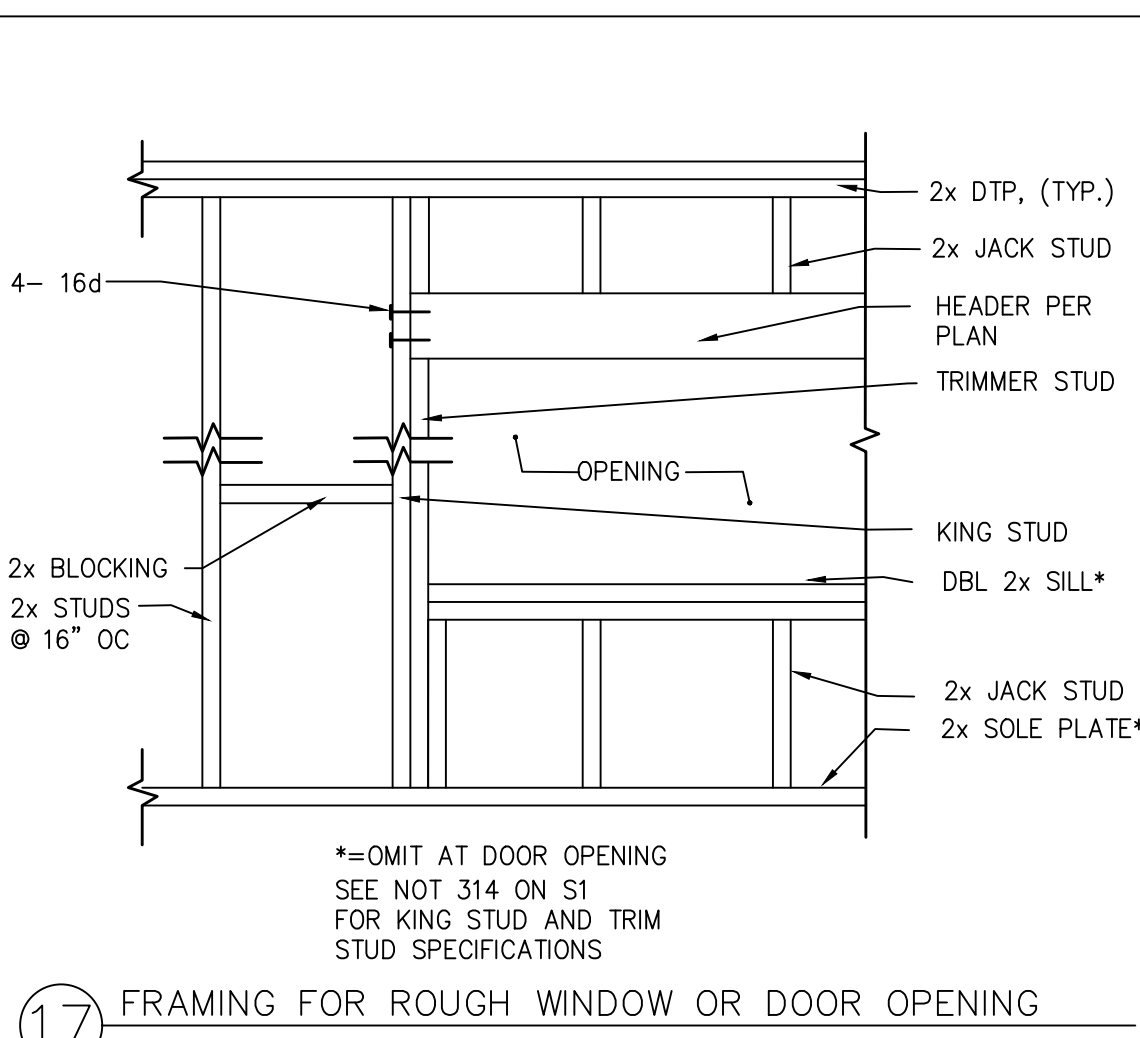
project  
County of Orange  
Pre-Approved  
ADU Program

OWNER NAME:  
ADDRESS:  
APN:  
LEGAL DESCRIPTION:

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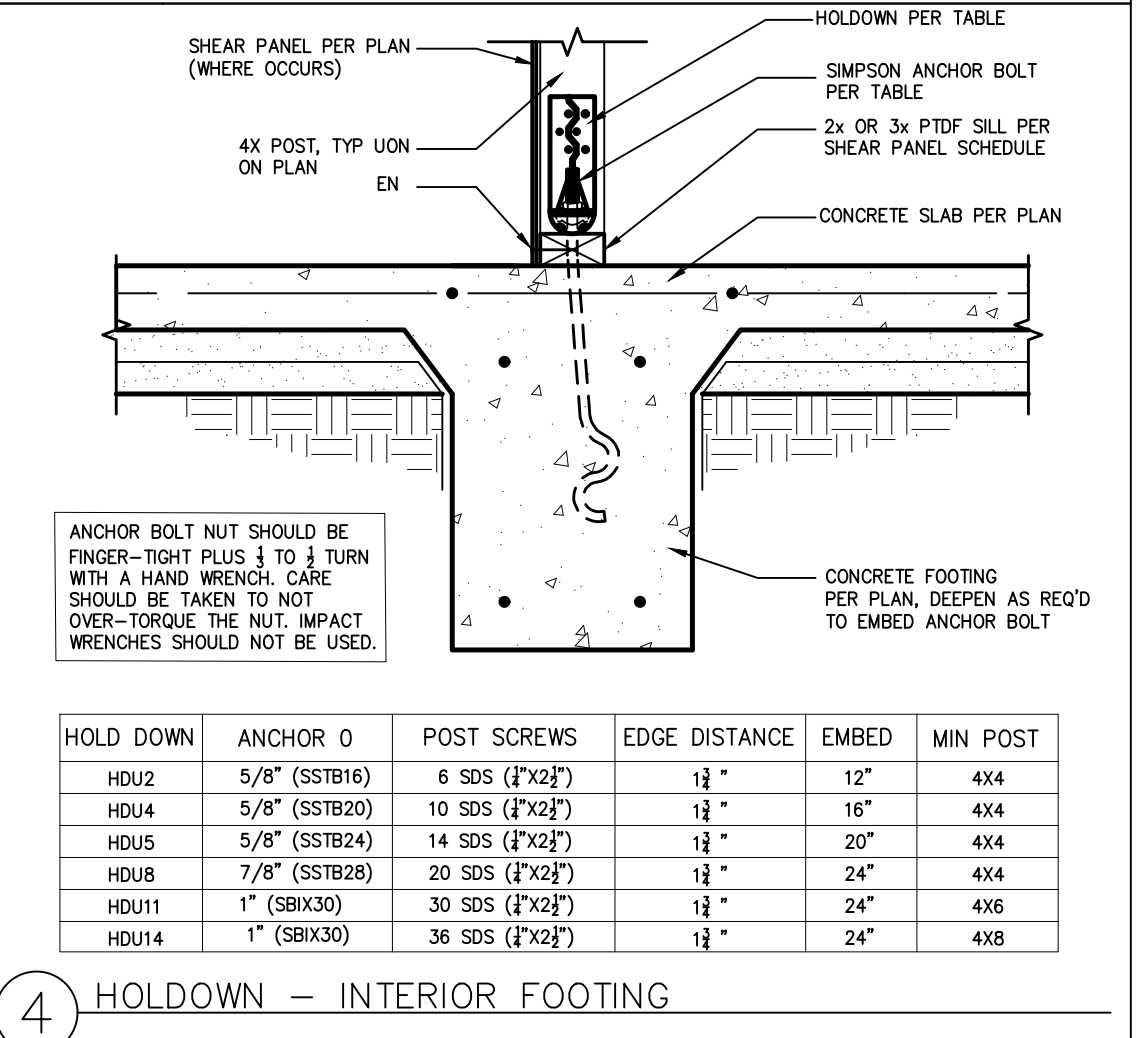
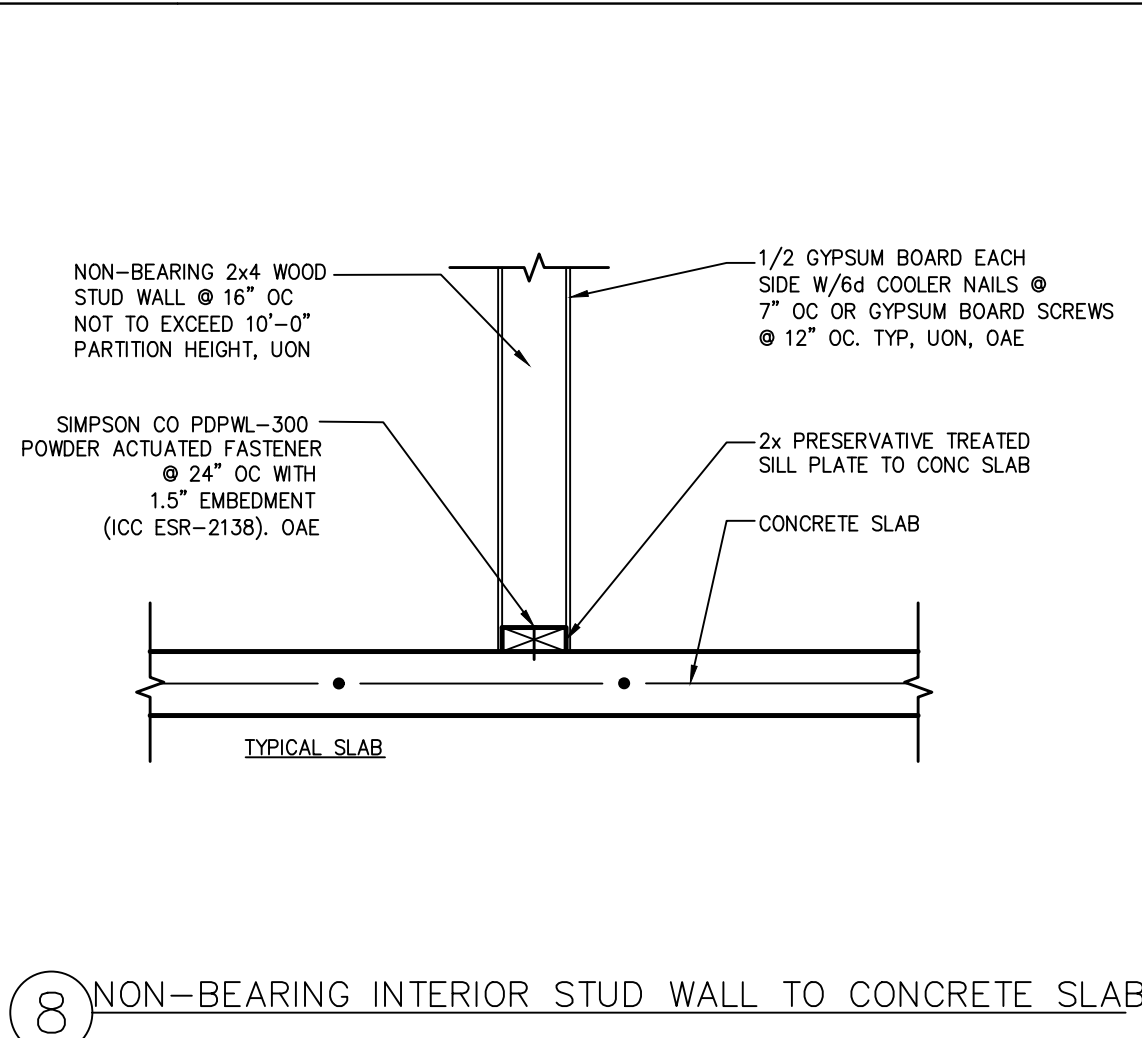
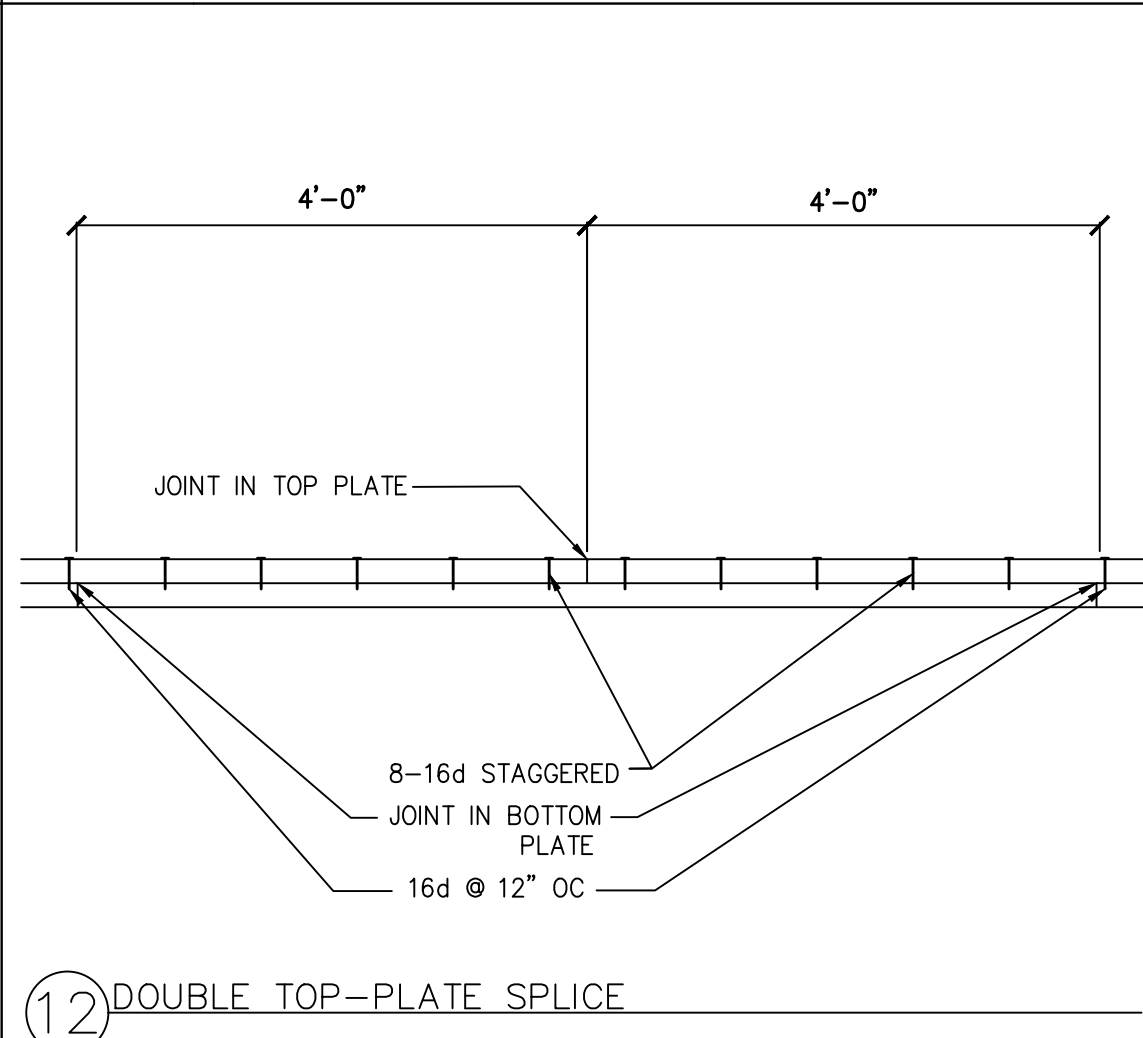
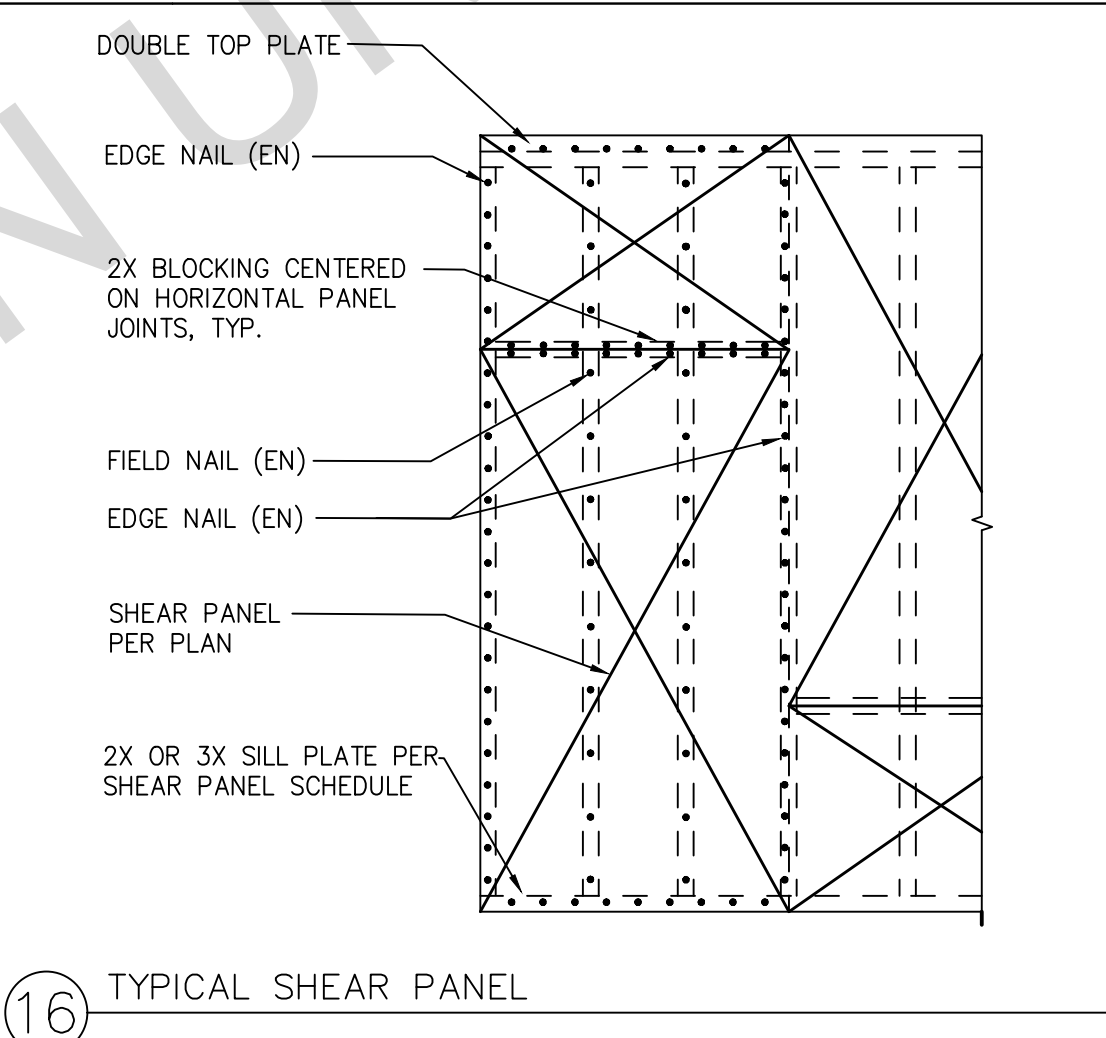
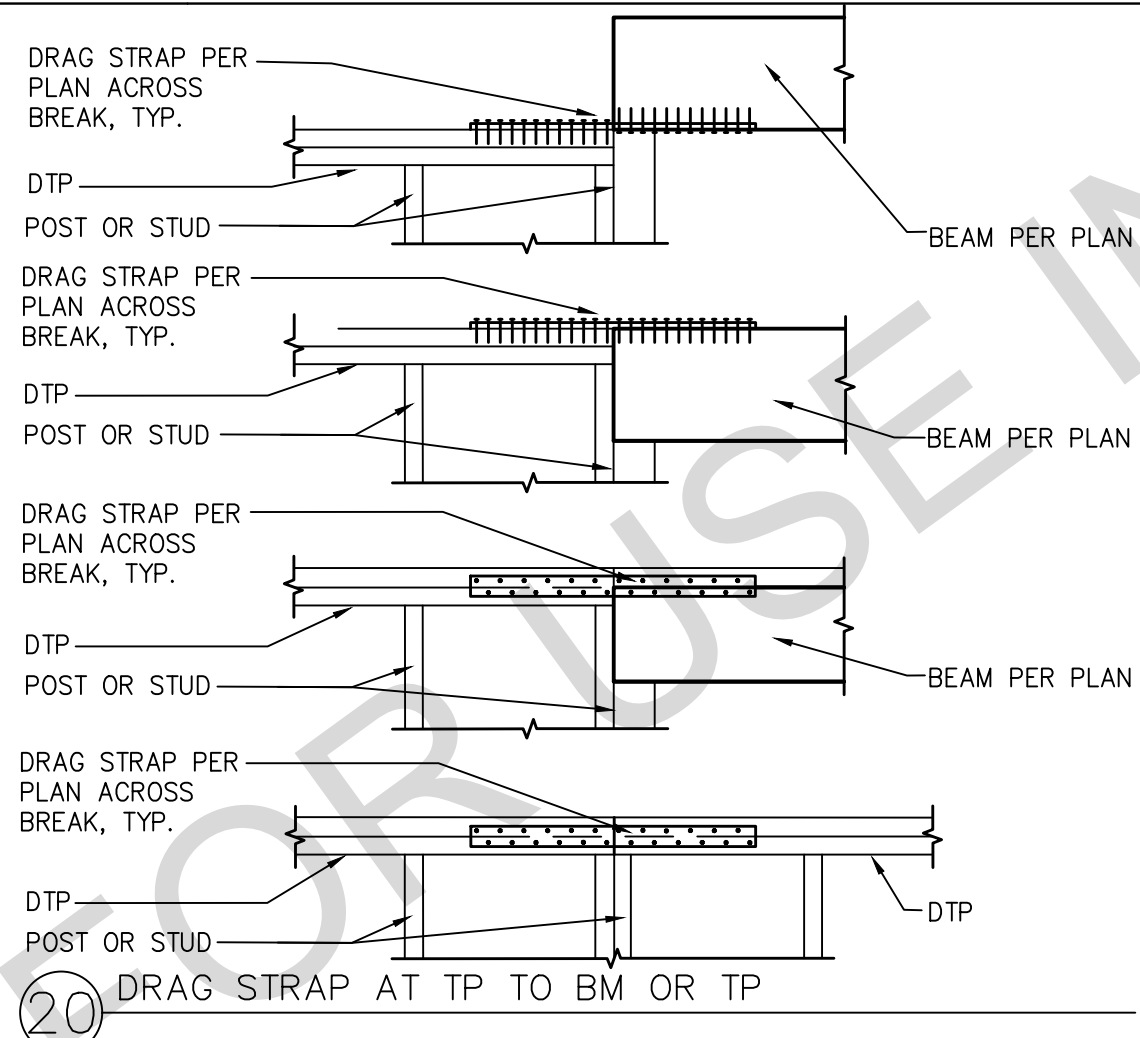
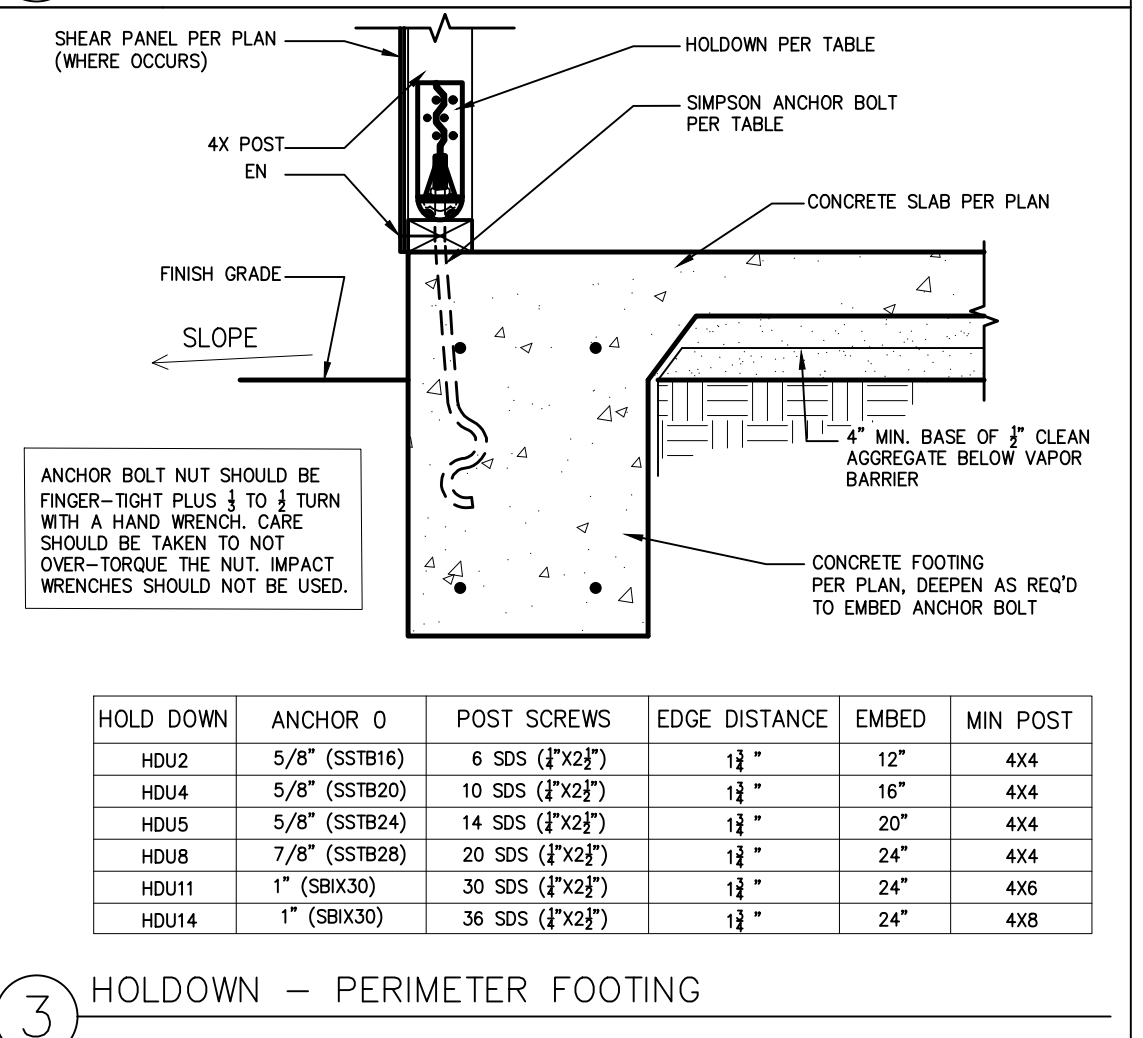
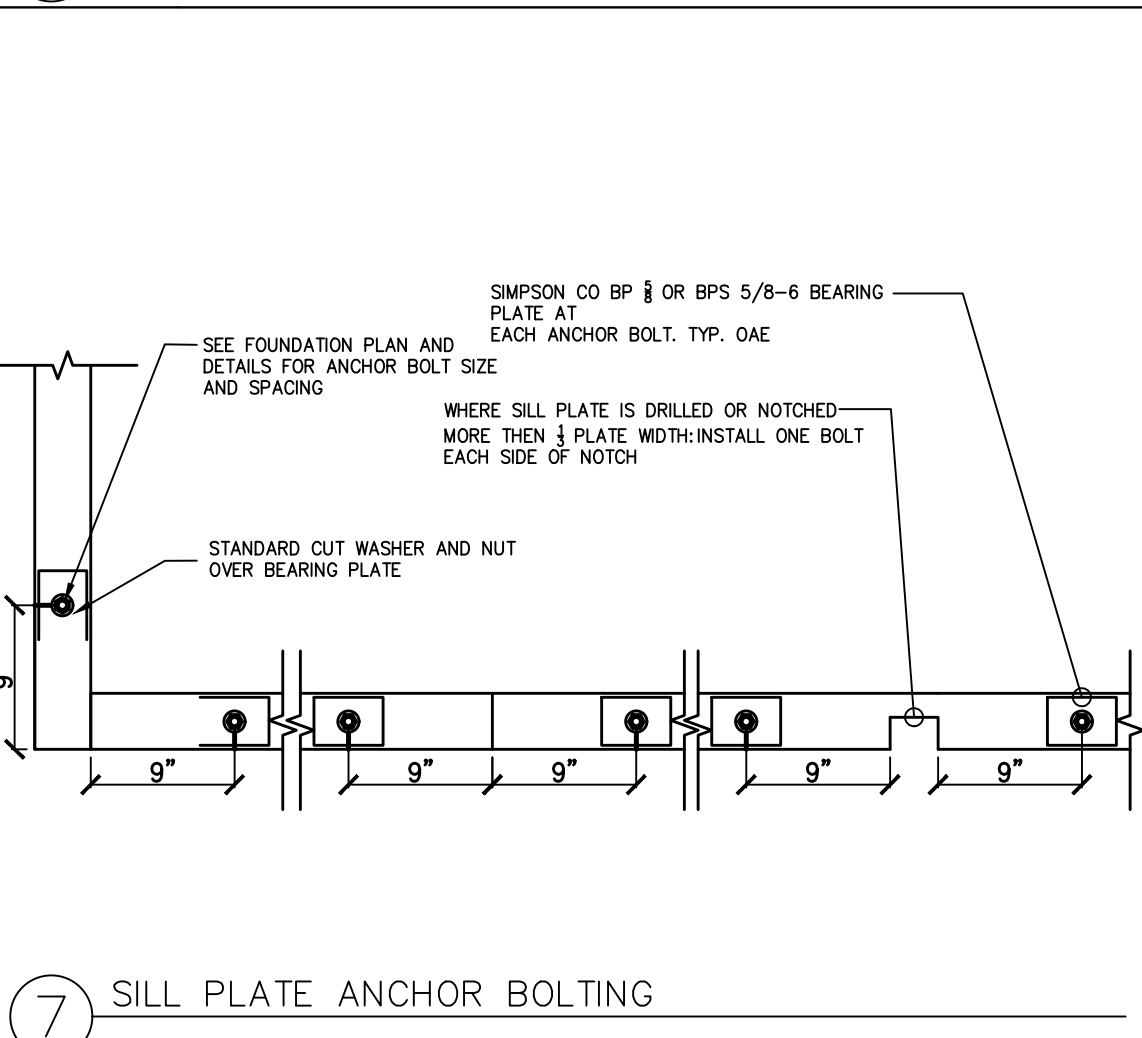
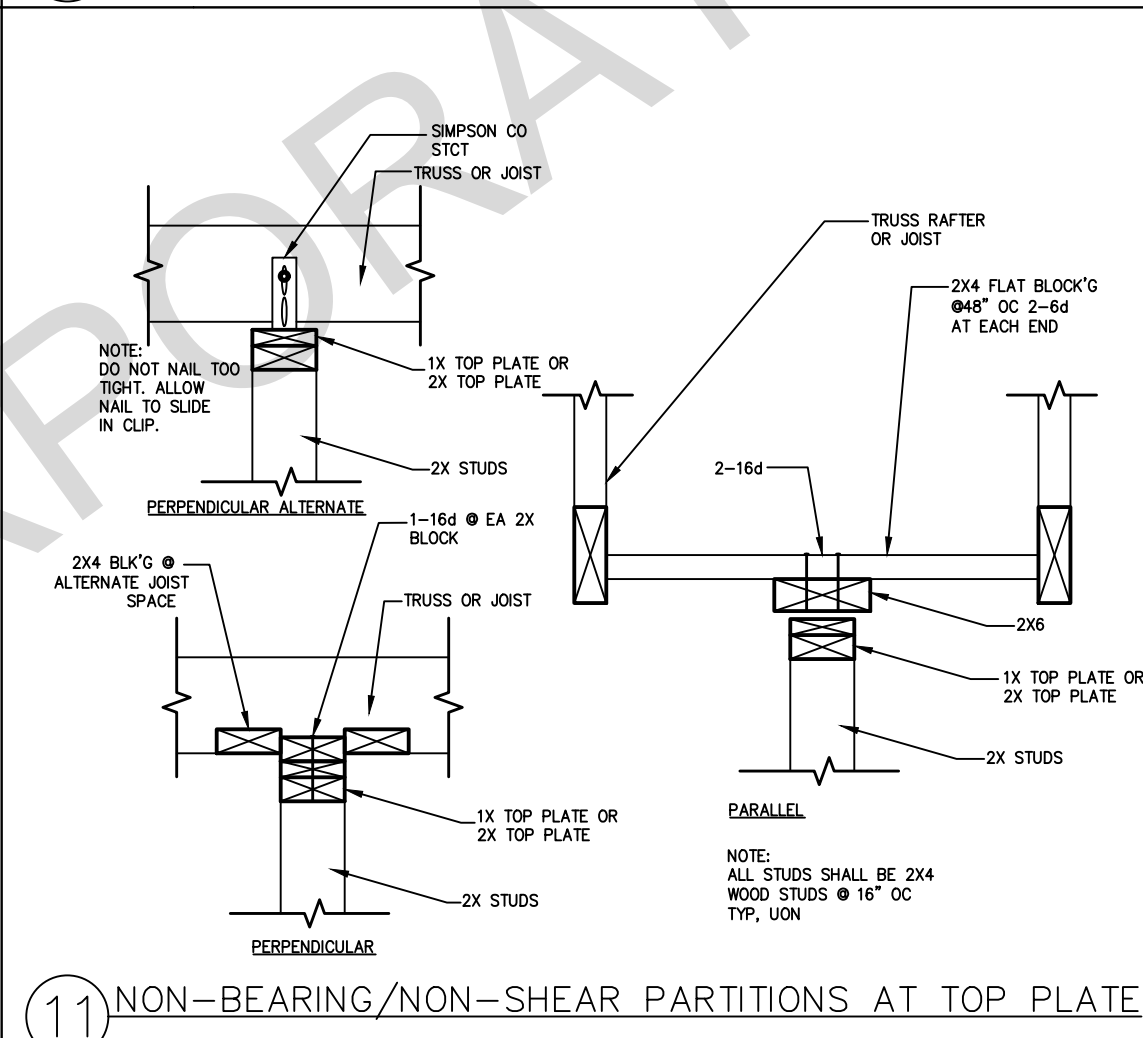
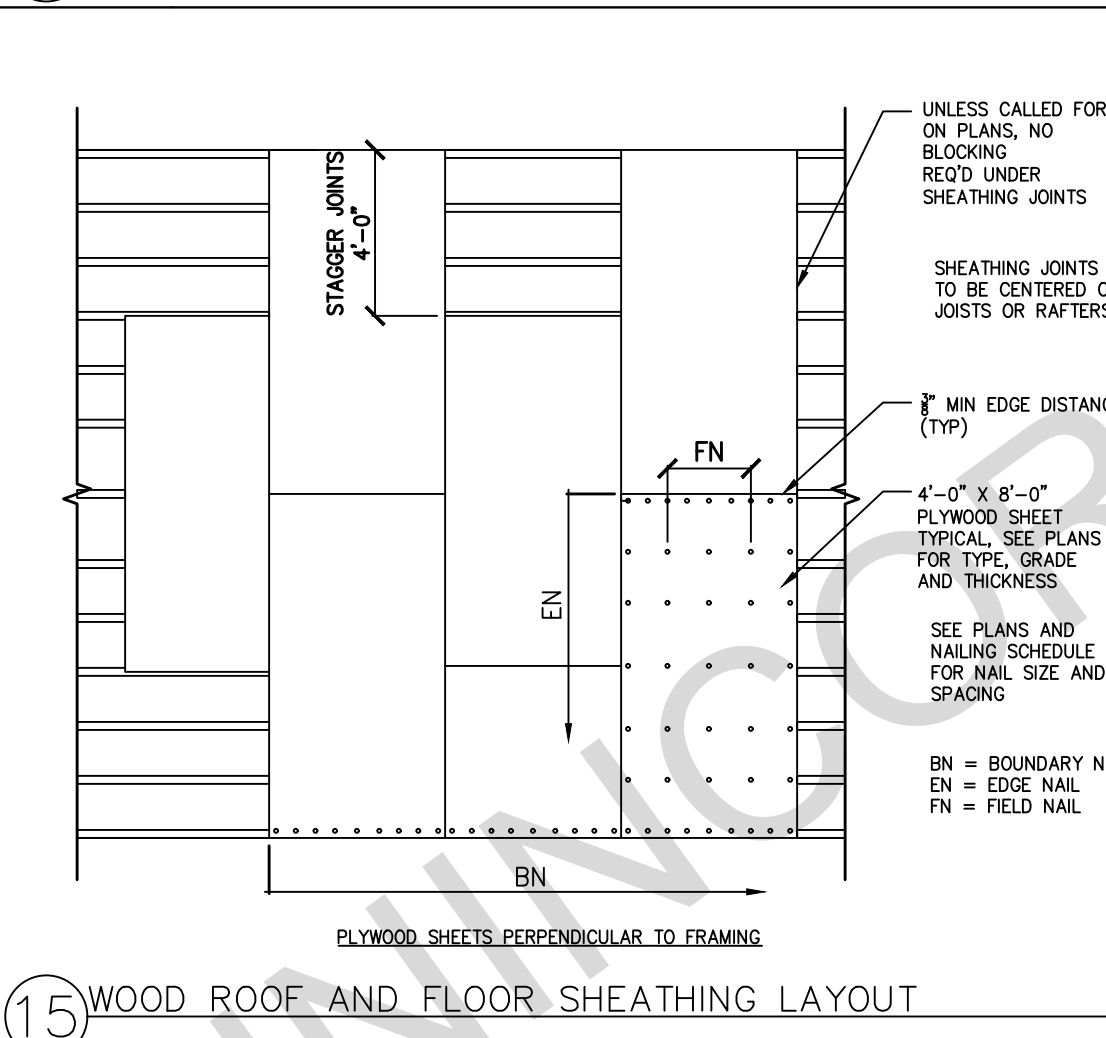
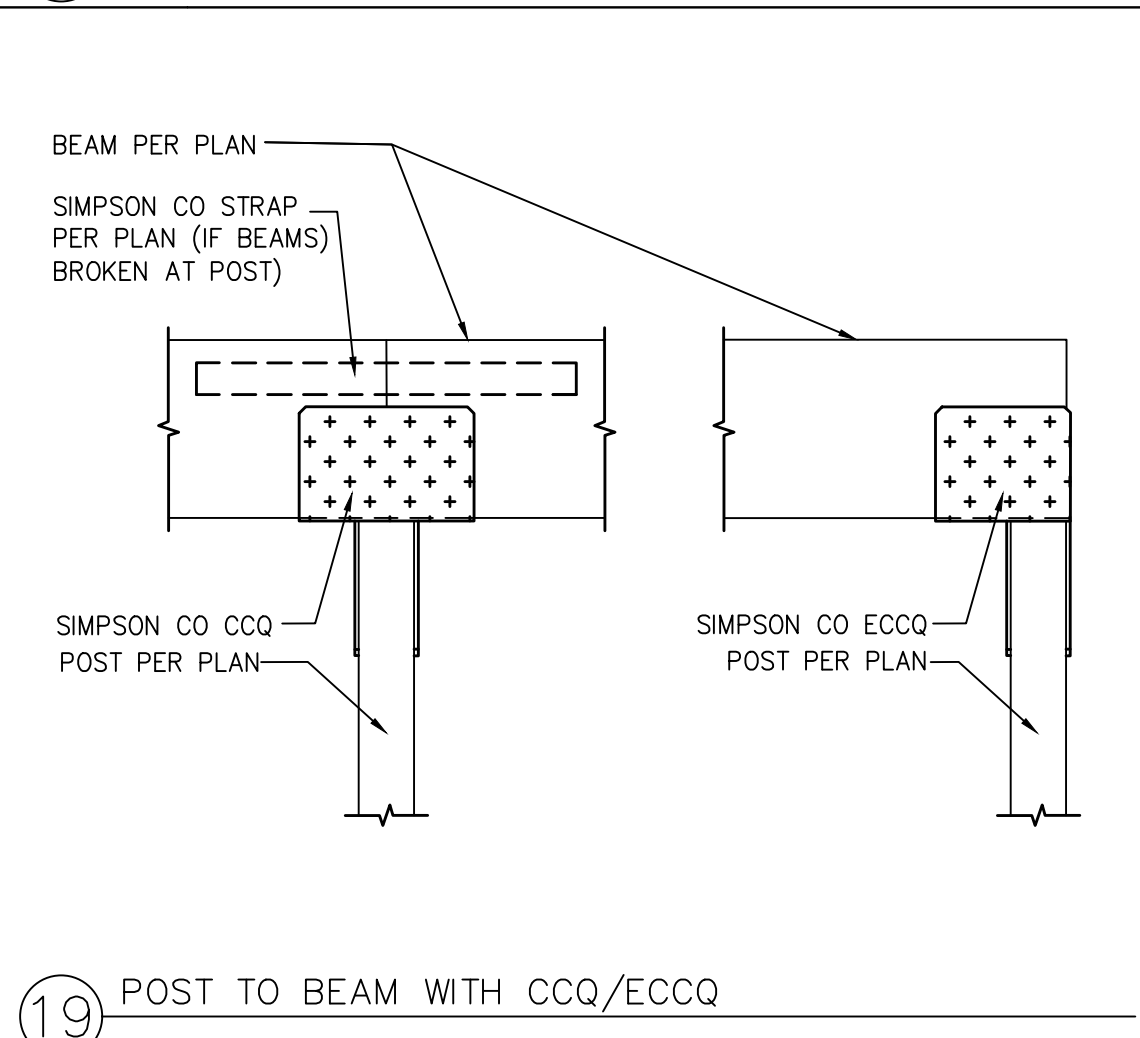
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2 Bedroom  
2 Bathroom  
Framing  
Plan

date 2024  
project no.  
drawn by DESIGN PATH STUDIO  
sheet no.



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project  
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OWNER NAME:  
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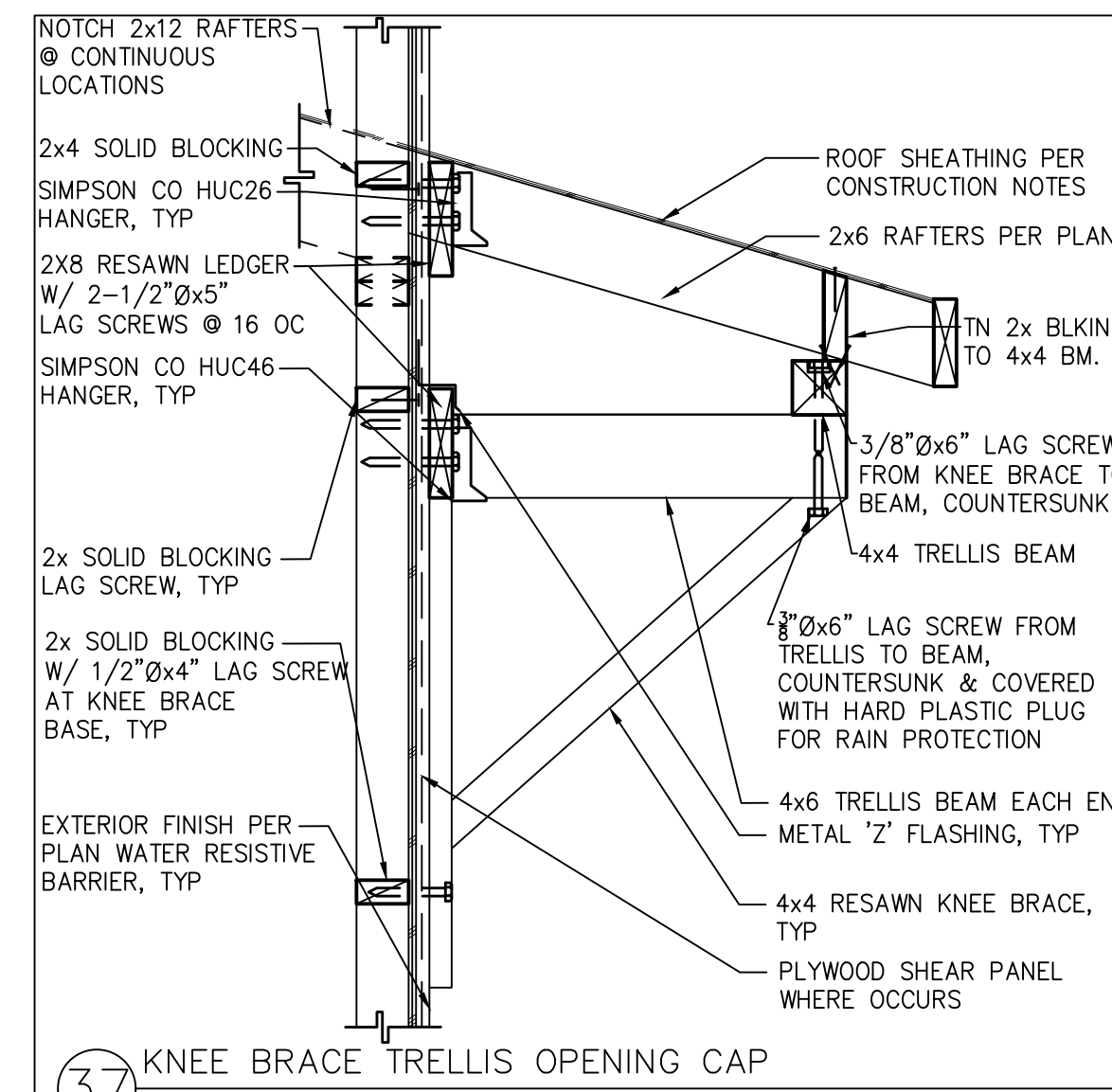
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date 2024

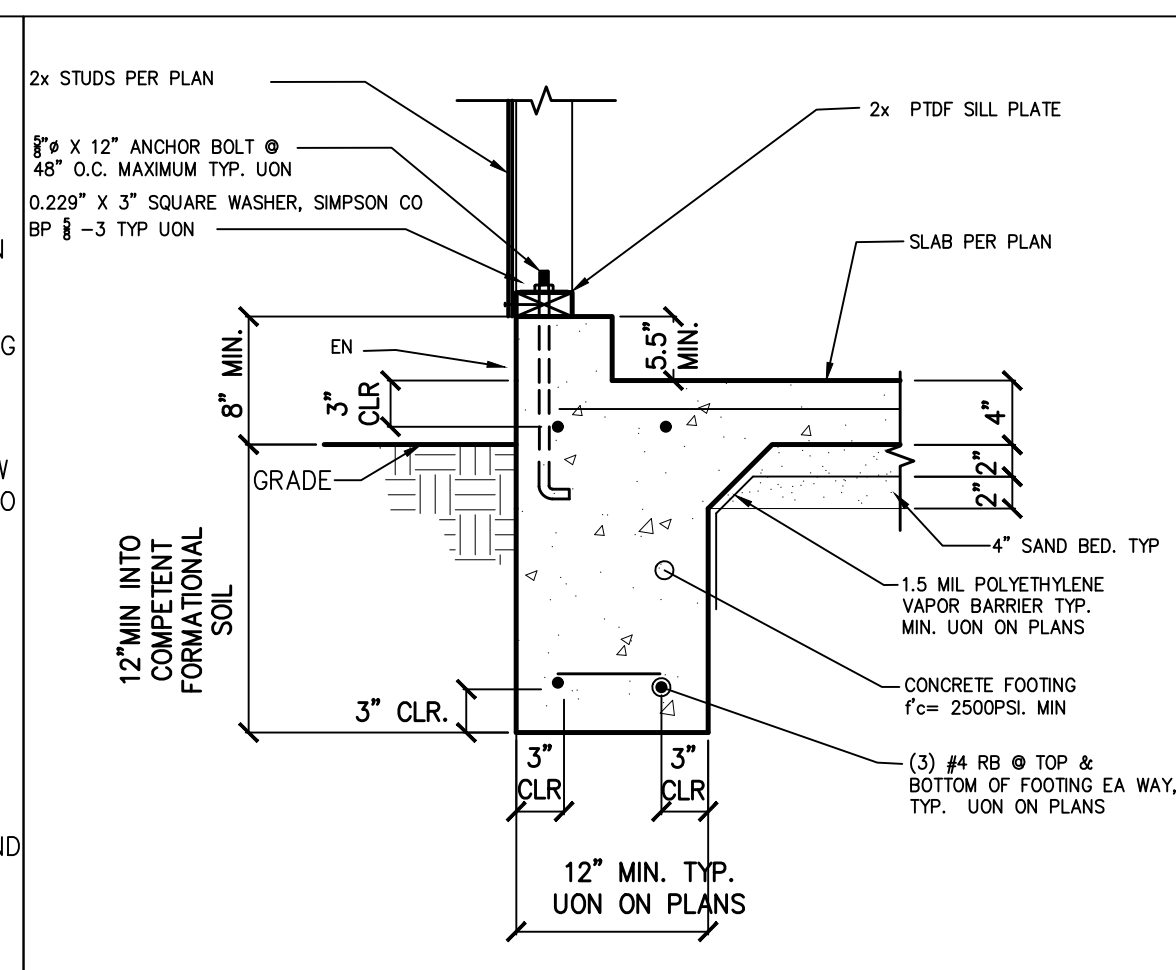
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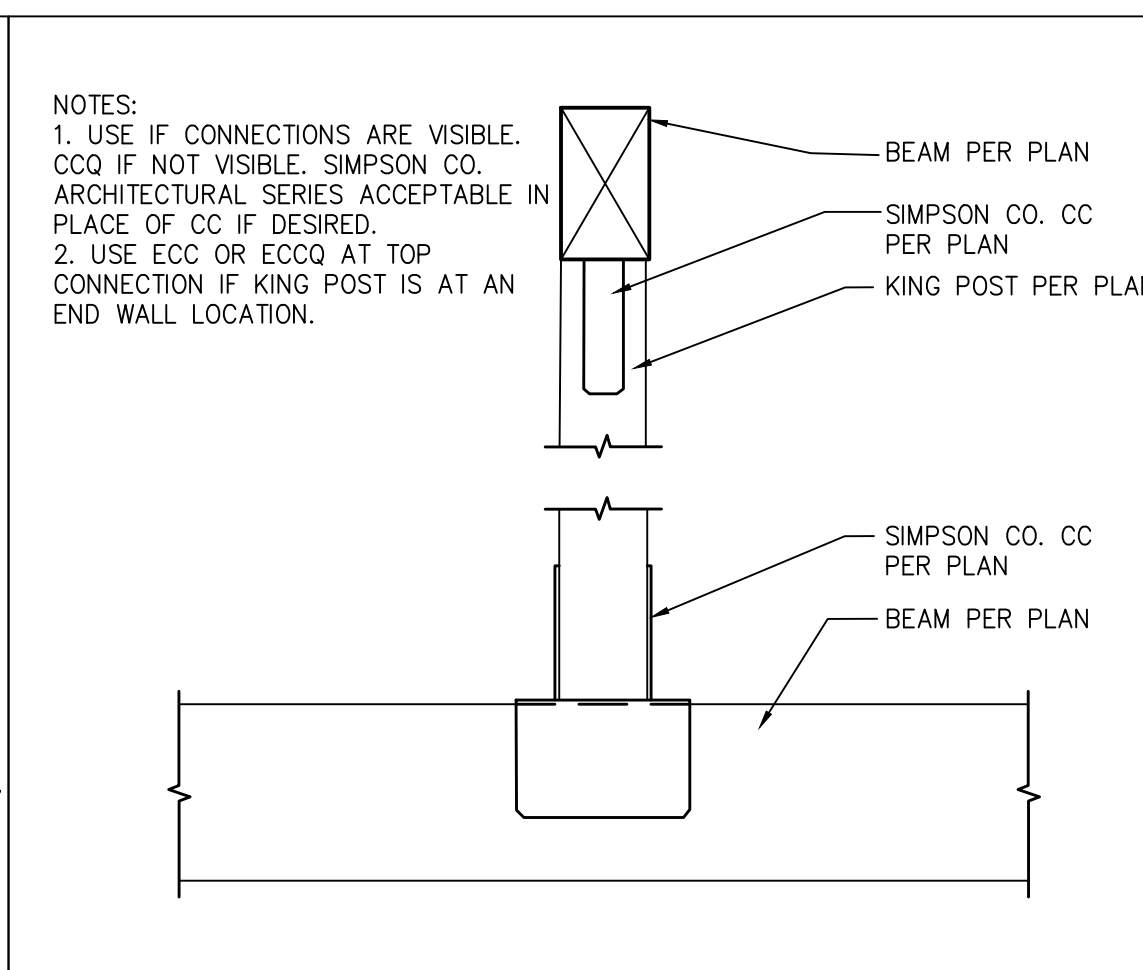
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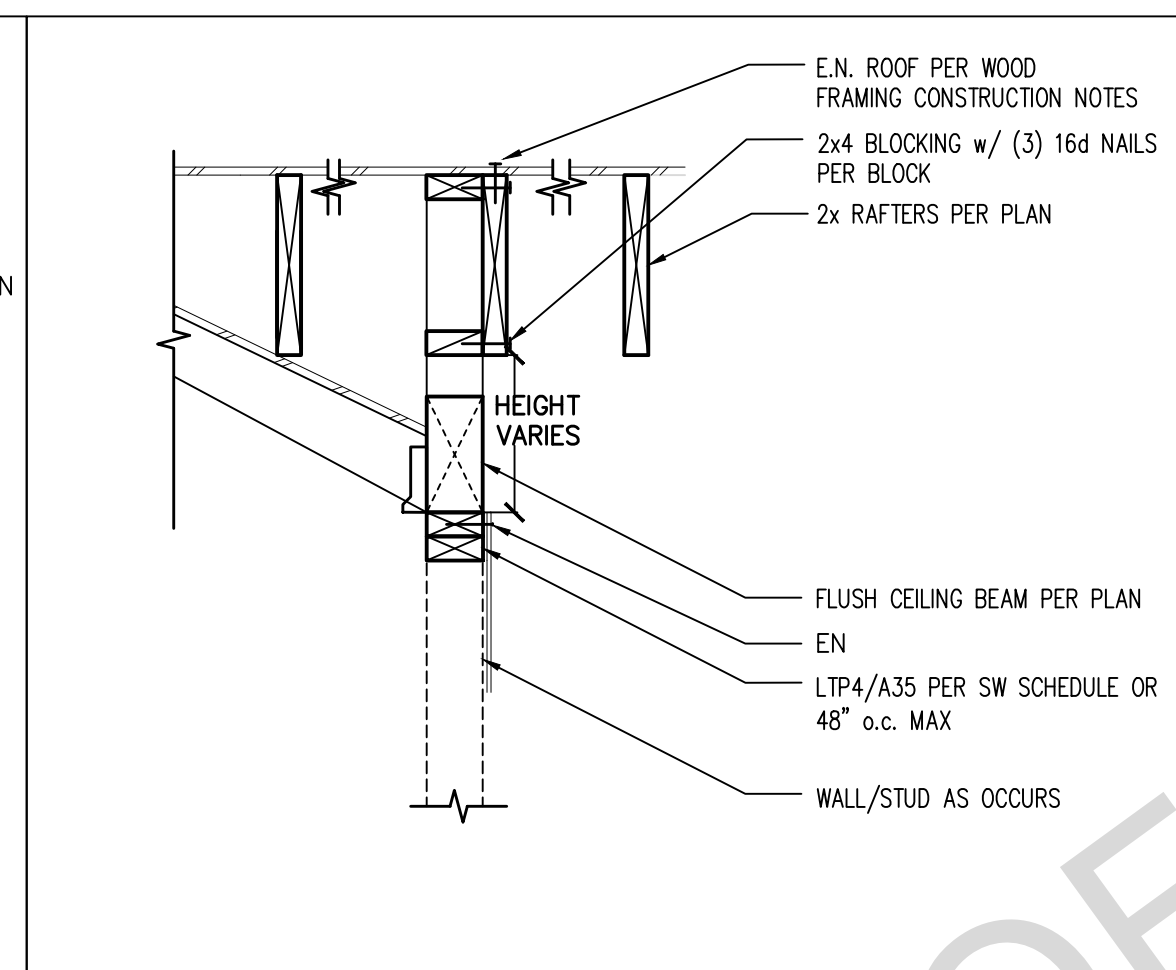
37 KNEE BRACE TRELLIS OPENING CAP



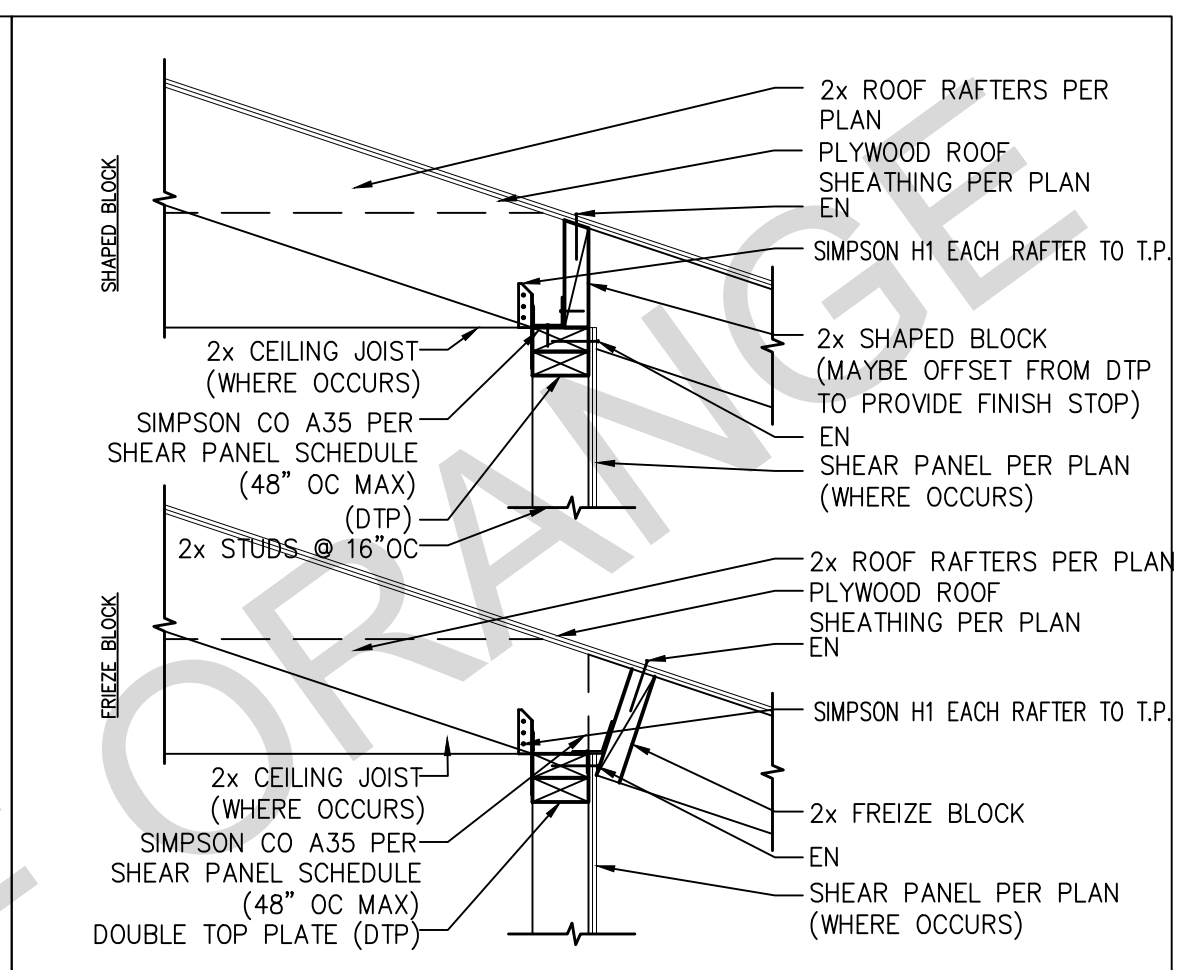
33 EXTERIOR WALL AT PORCH FOOTING



29 KING POST



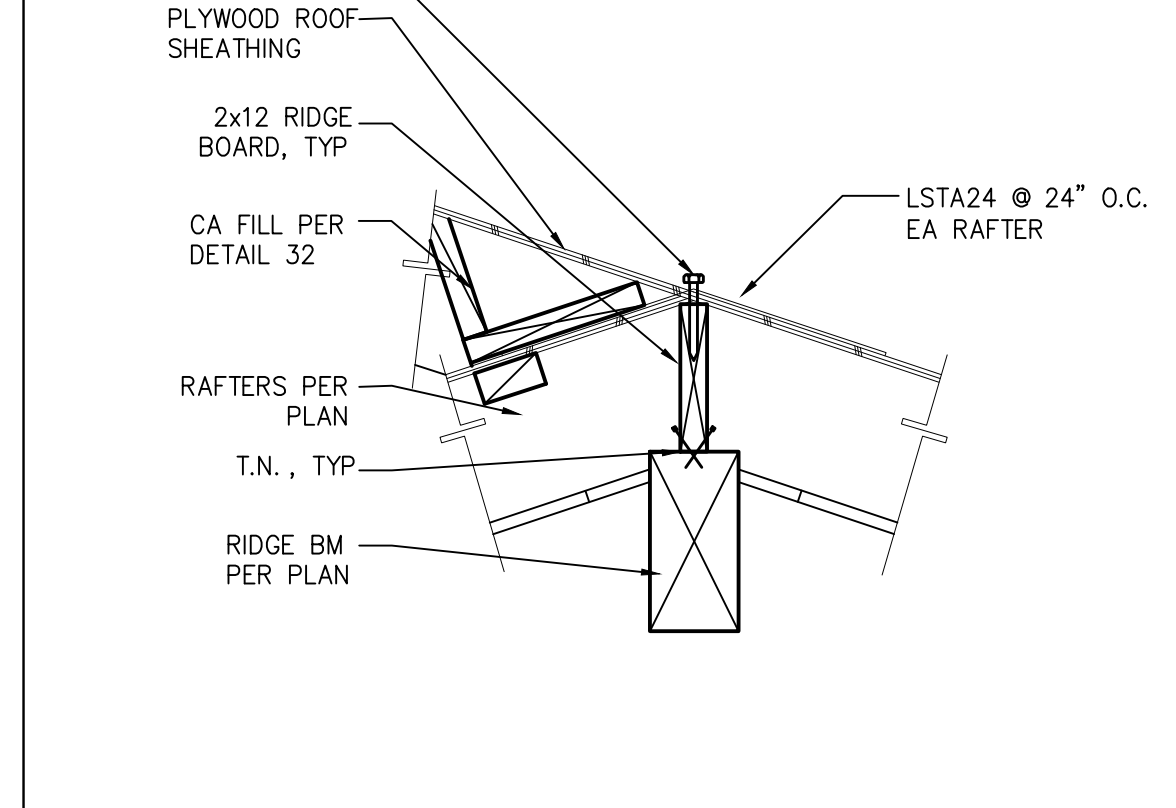
25 ROOF TRANSITION @ WALL/BEAM



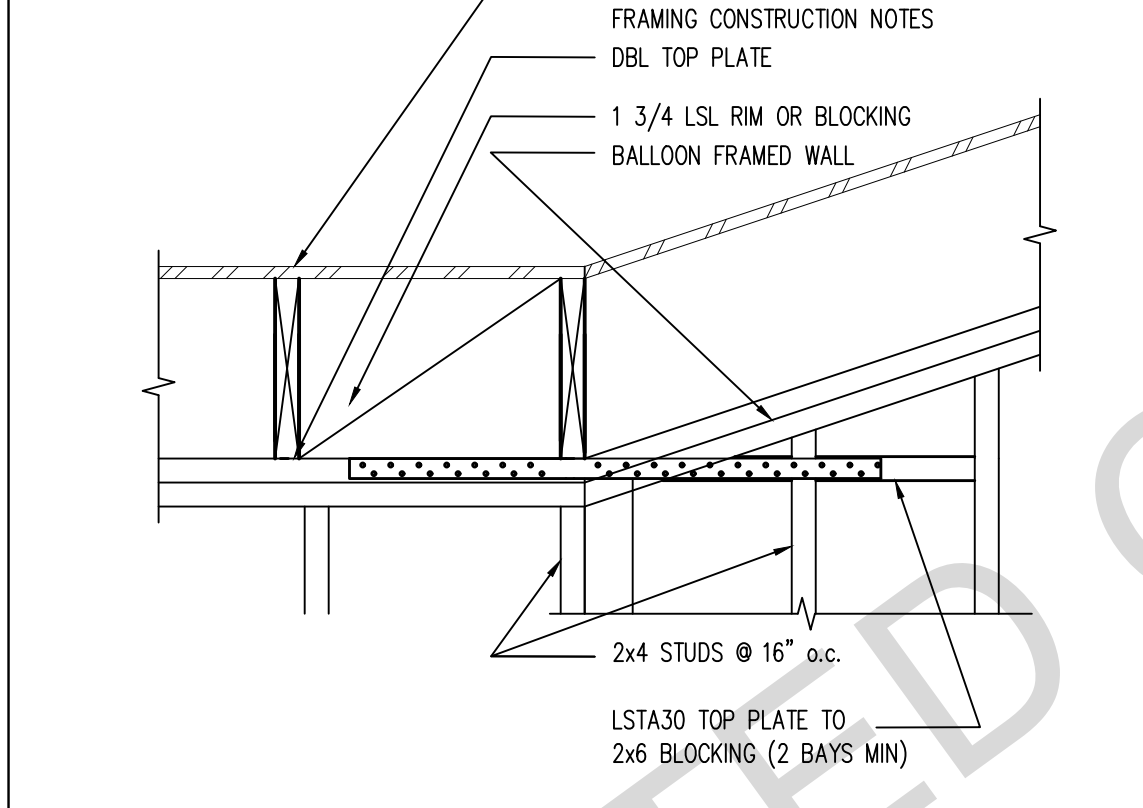
21 SHEAR TRANSFER AT EAVE



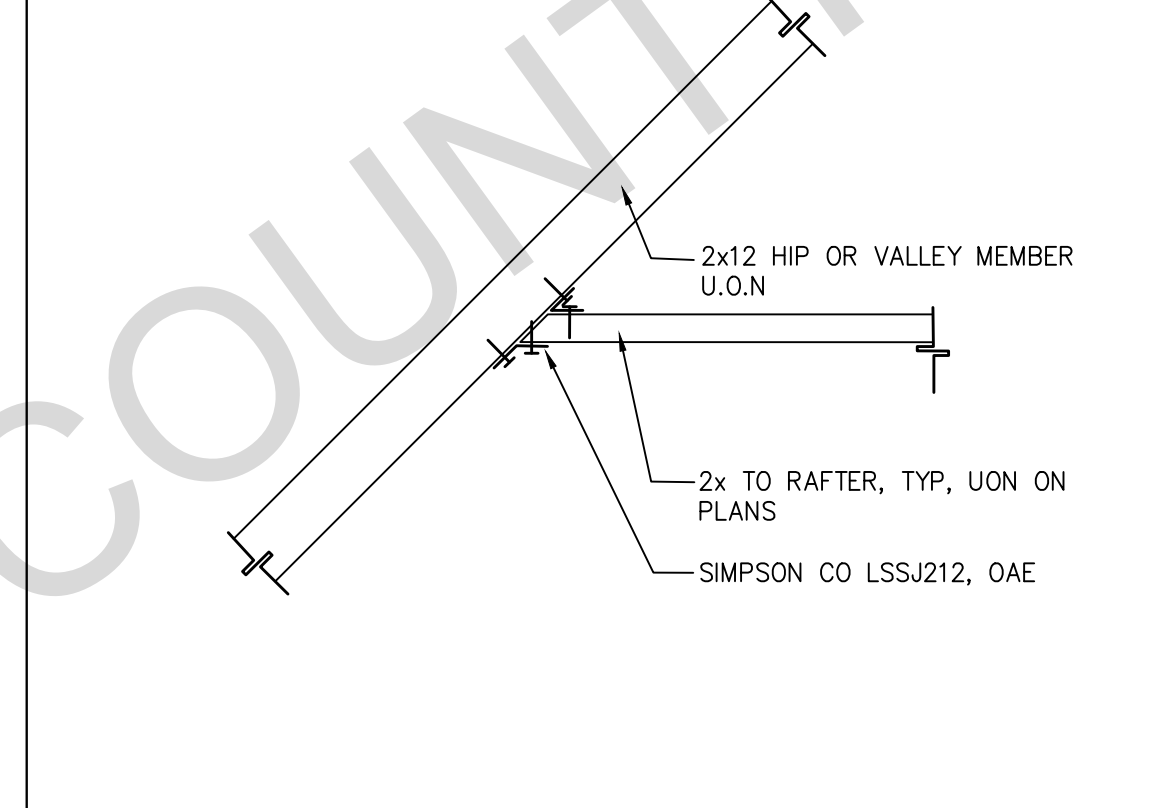
38 RIDGE CONNECTION AT ROOF TRANSITION



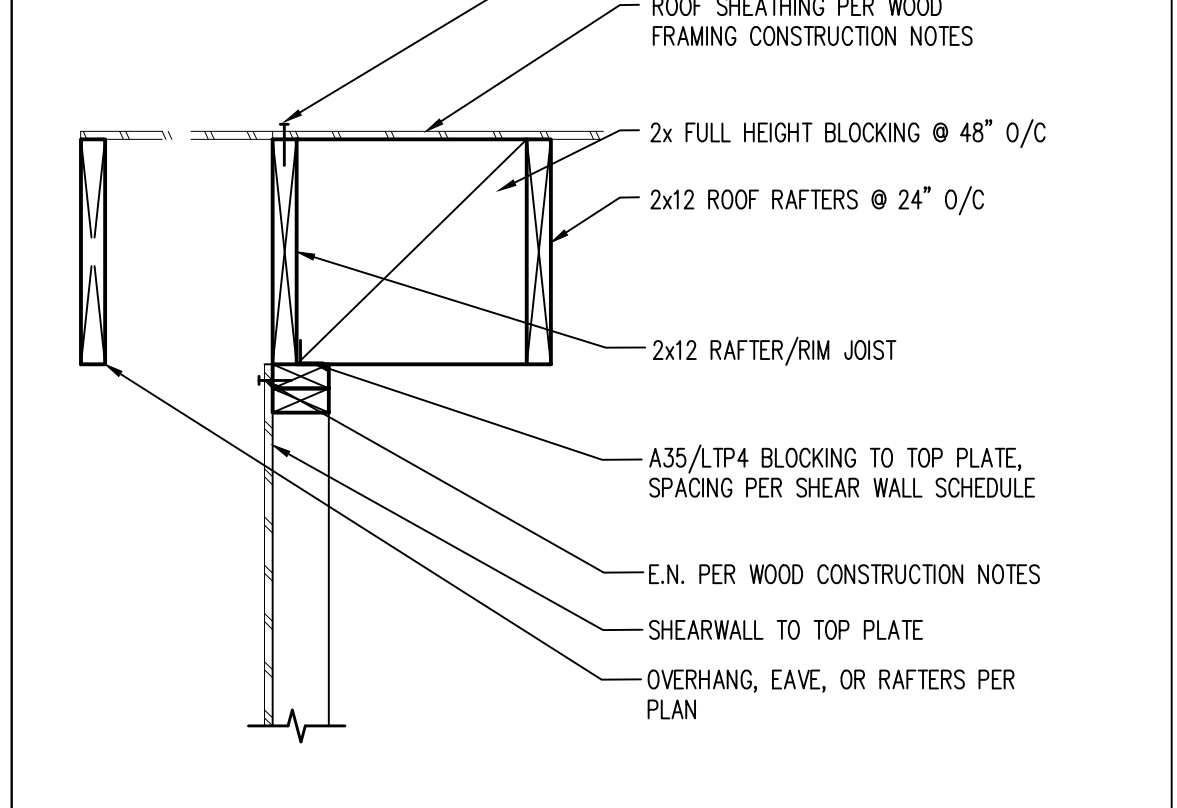
34 RIDGE CONNECTION AT ROOF TRANSITION



30 STRAP AT TOP PLATE SPLICE



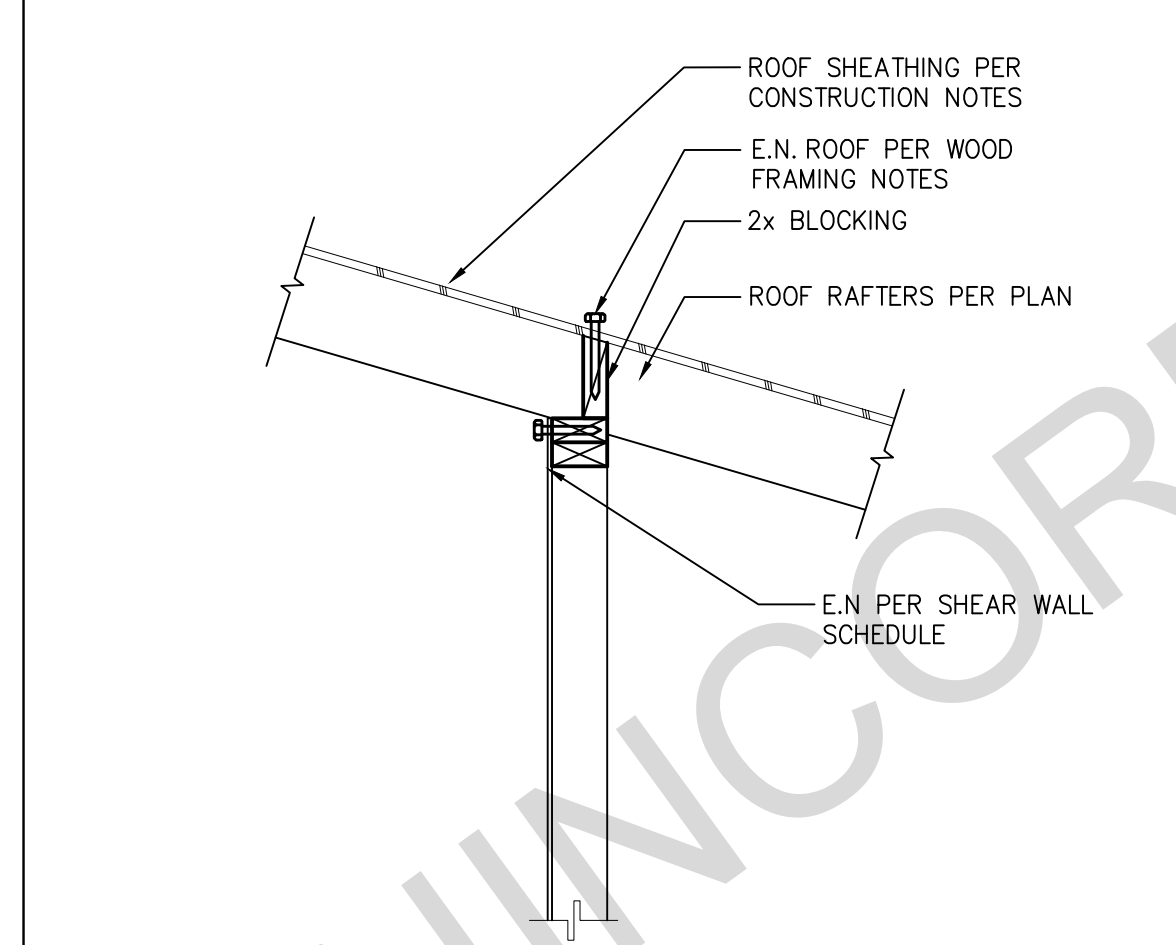
26 RAFTER TO HIP OR VALLEY



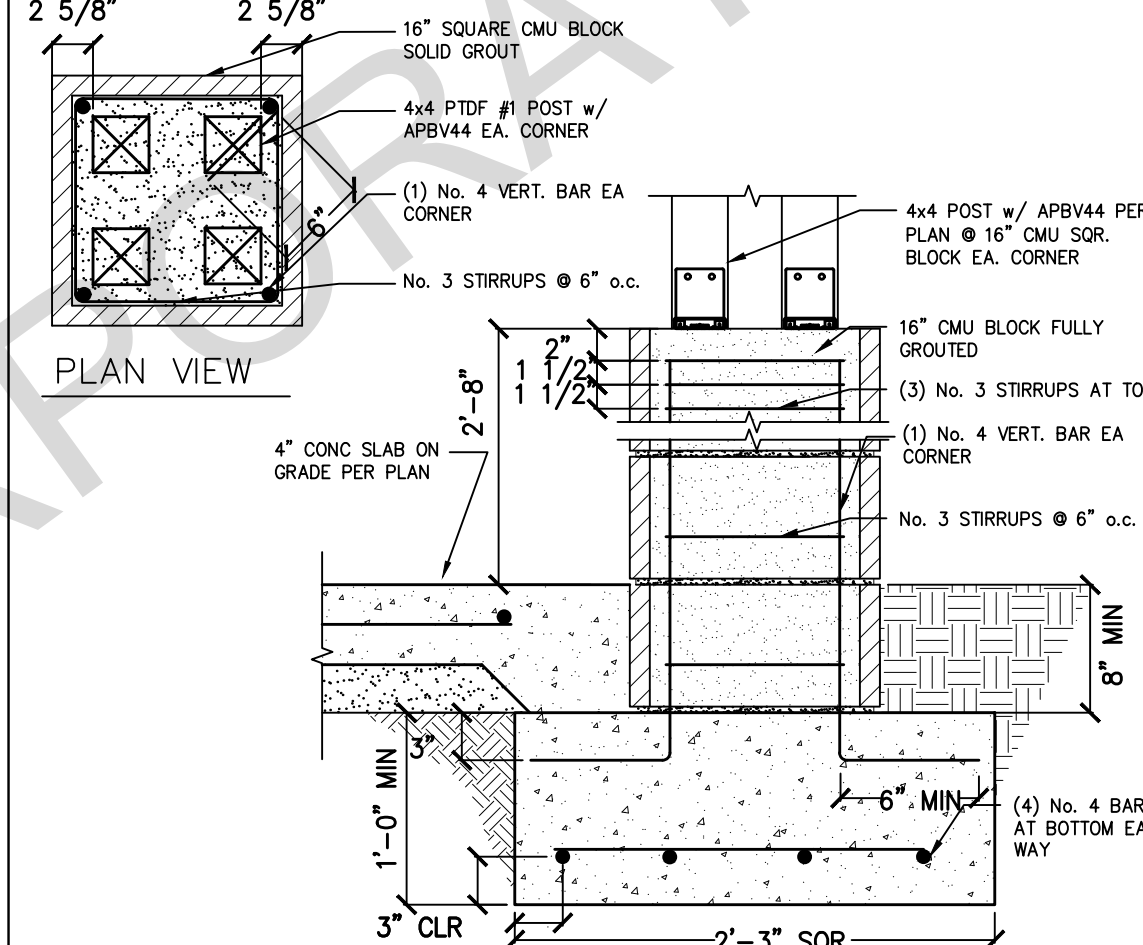
22 PARALLEL RAFTERS AT SHEAR WALL



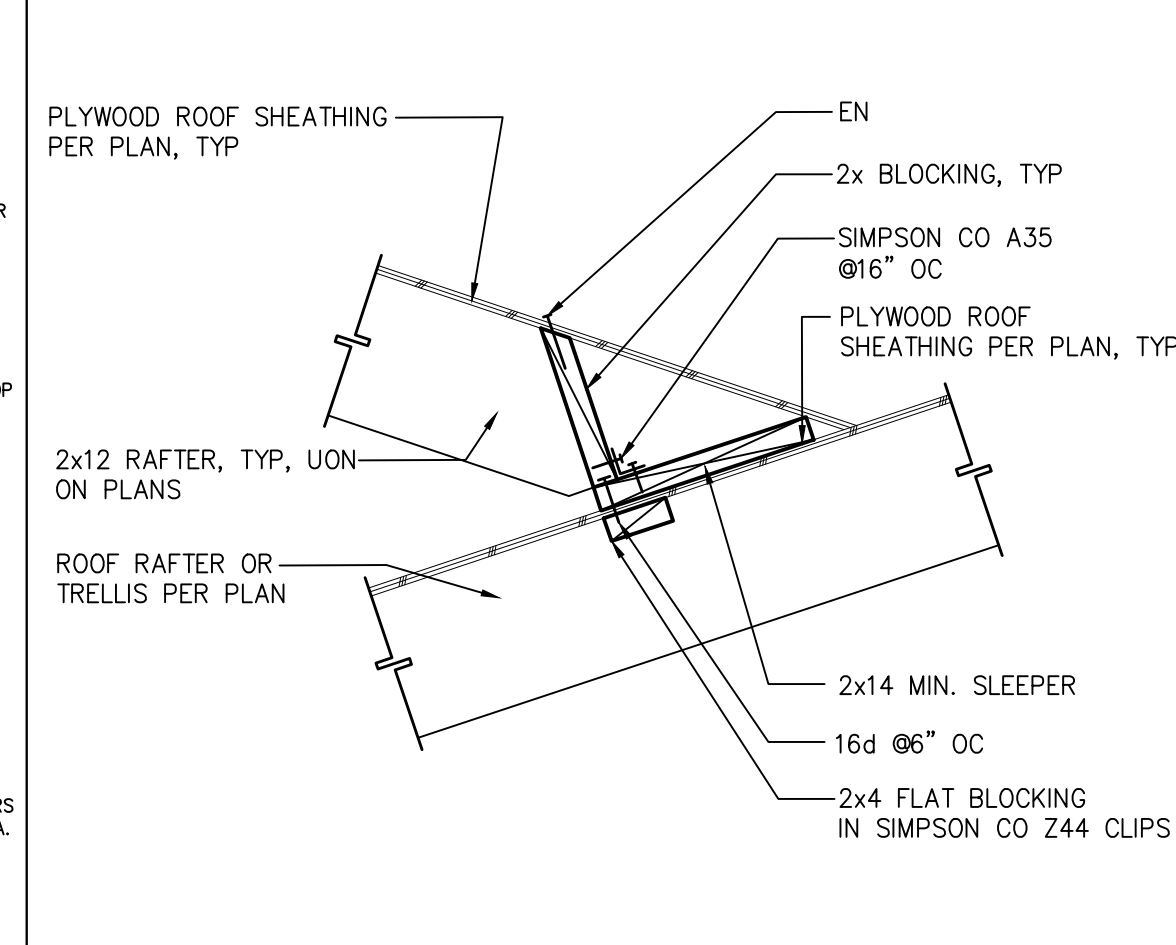
39 INTERMEDIATE BEARING WALL CONNECTION



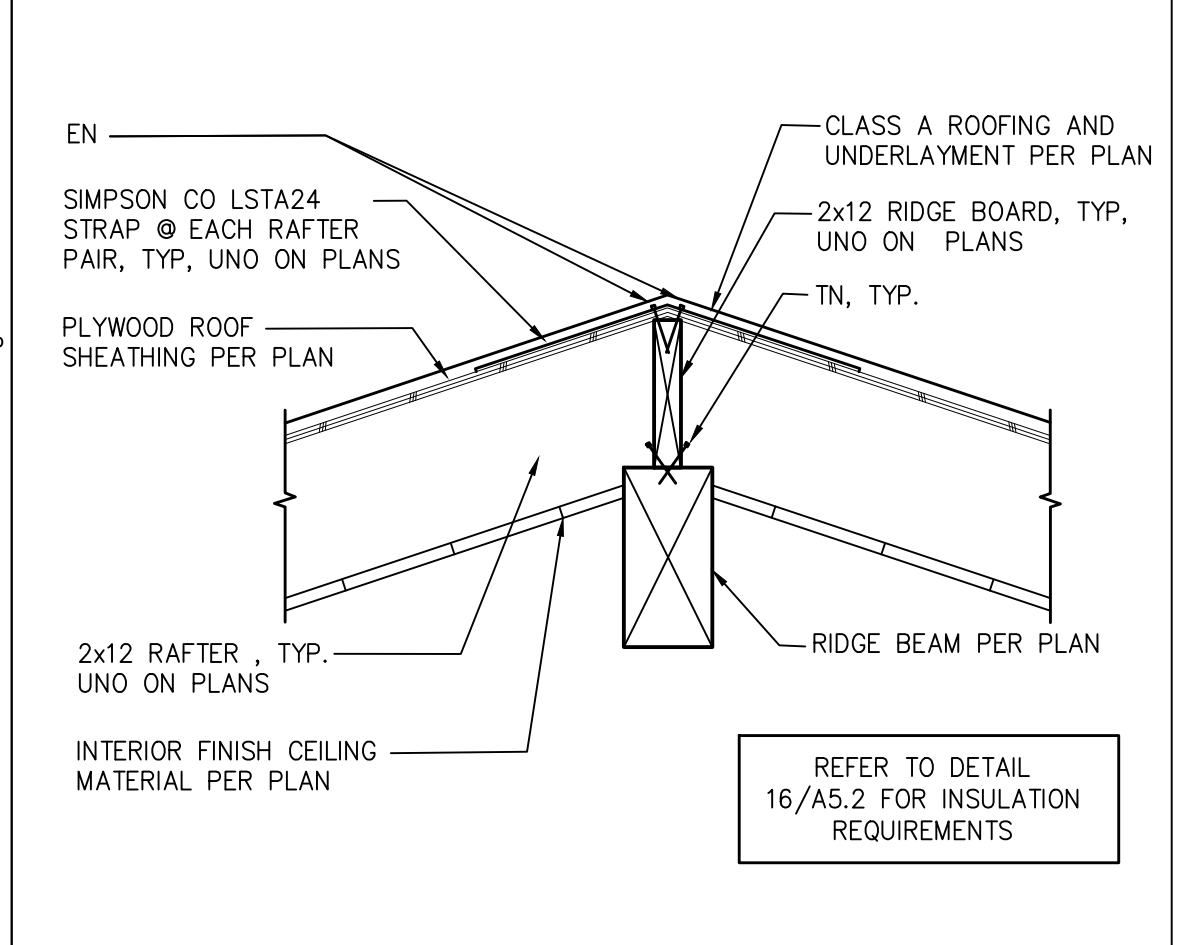
35 INTERMEDIATE BEARING WALL CONNECTION



31 (4) 4x4 POST AT 16" CMU PILASTER



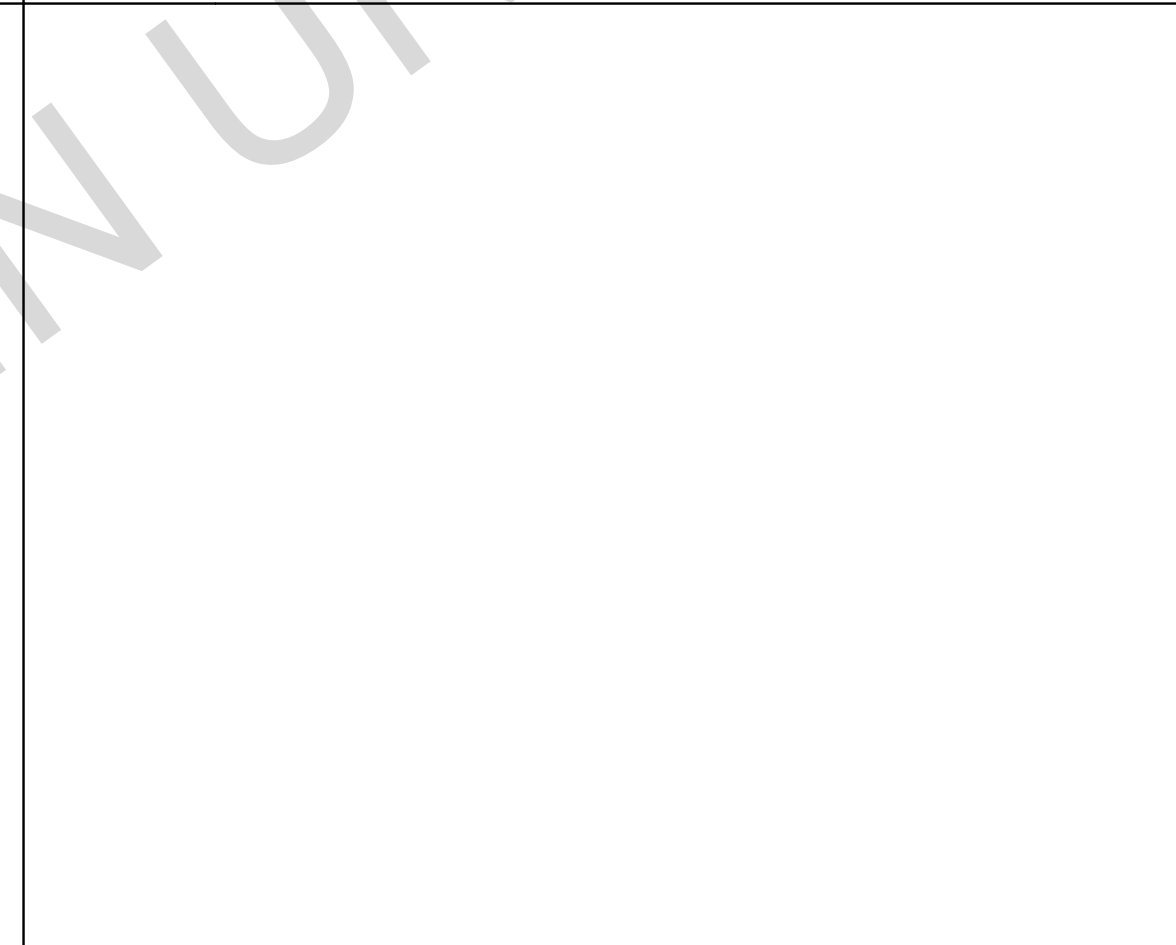
27 CALIFORNIA ROOF FILL CONNECTION



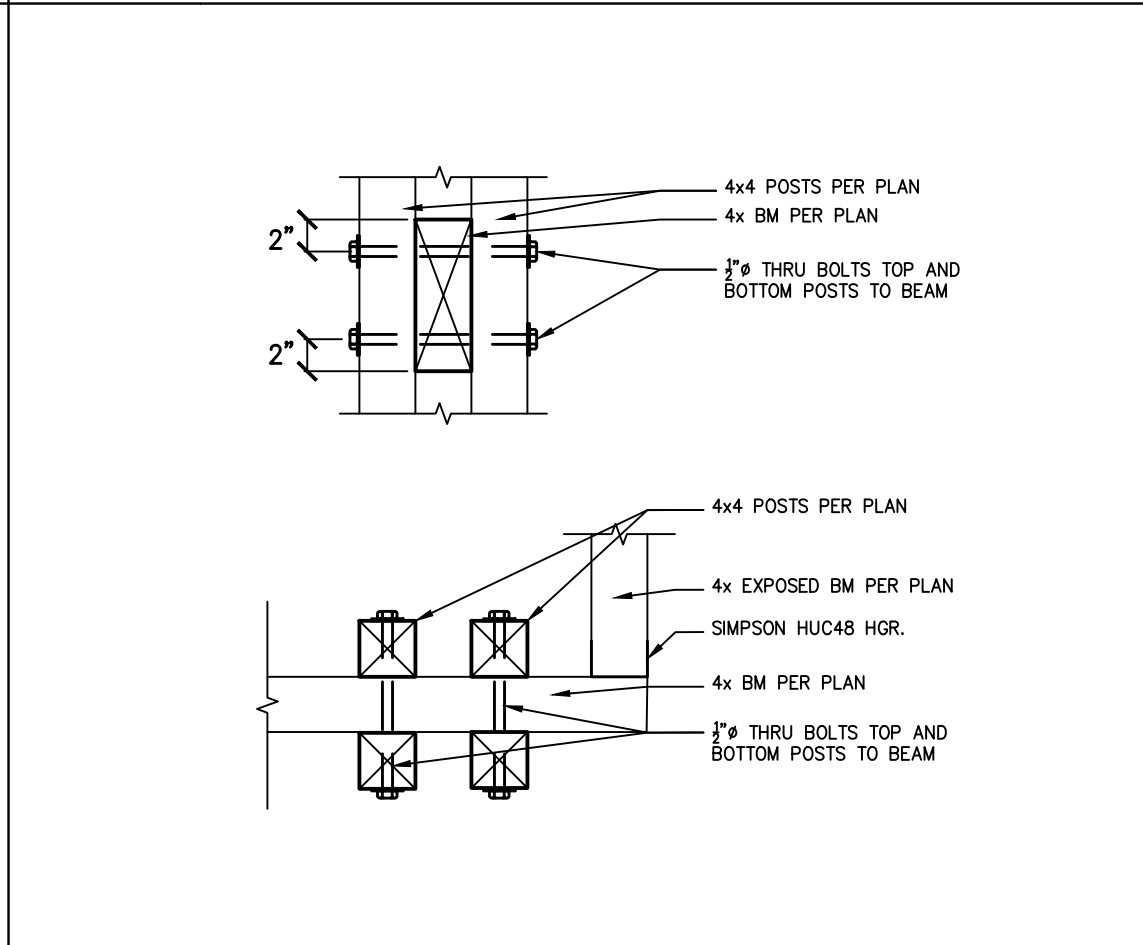
23 RAFTER AT RIDGE BOARD OVER RIDGE BEAM



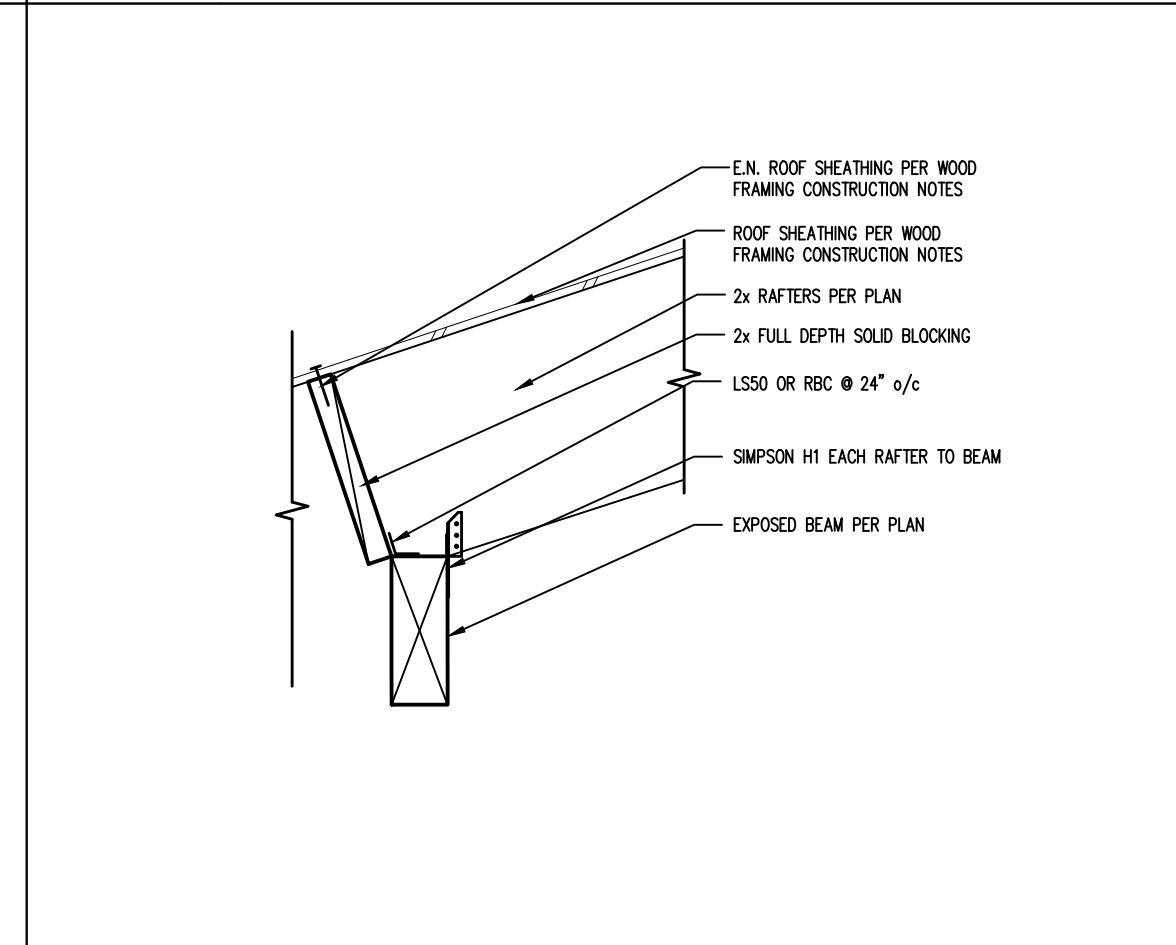
40 4x BEAM AT (4) 4x4 POST CONNECTION



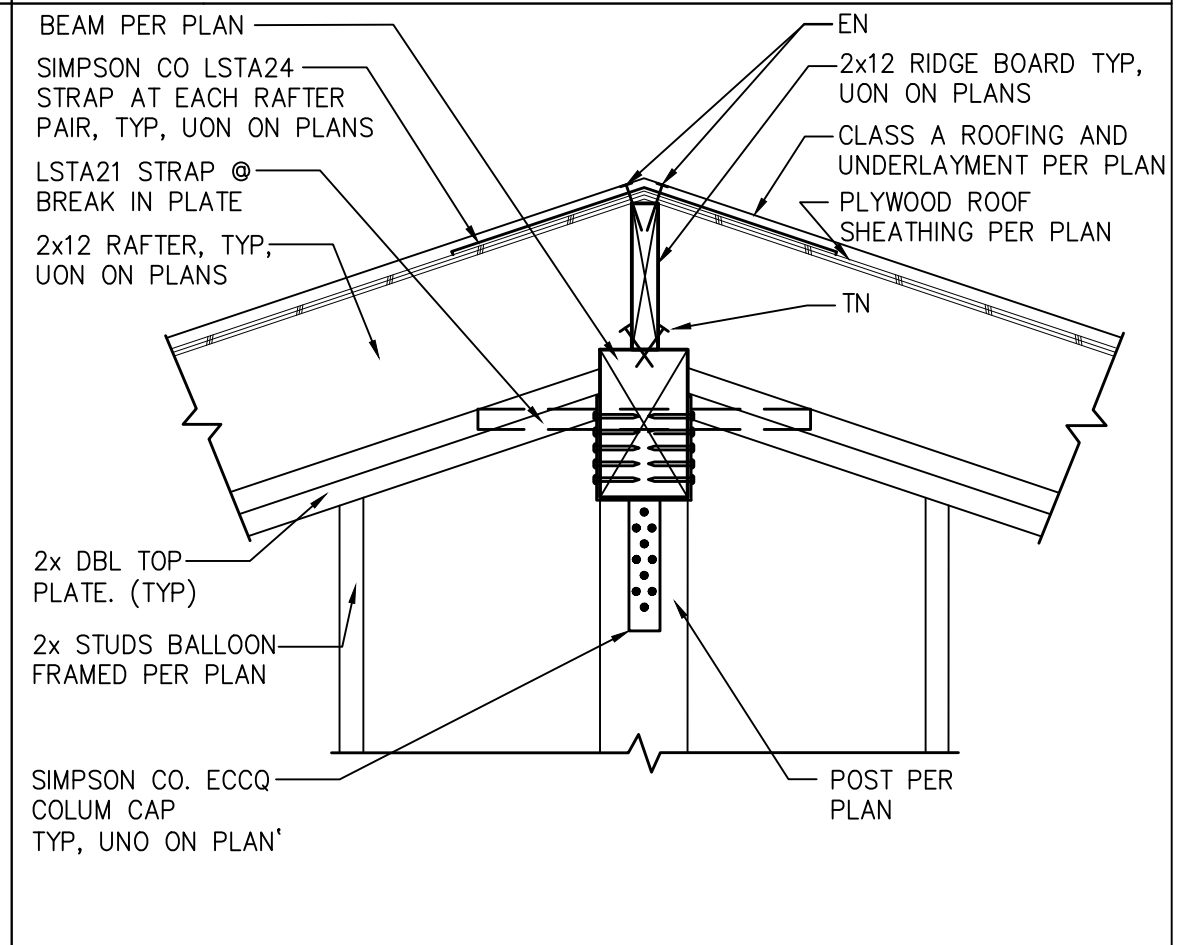
36 4x BEAM AT (4) 4x4 POST CONNECTION



32 4x BEAM AT (4) 4x4 POST CONNECTION



28 RAFTERS @ EXPOSED BEAM



24 RIDGE BOARD & BEAM AT WALL POST W/ HARDWARE

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project  
County of Orange  
Pre-Approved  
ADU Program  
OWNER NAME:  
ADDRESS:  
APN:  
LEGAL DESCRIPTION:

revisions  
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△  
description  
Structural  
Details

date 2024  
project no.  
drawn by DESIGN PATH STUDIO  
sheet no. S5

BUILDING ENERGY ANALYSIS REPORT	
<b>PROJECT:</b> 2 Bedroom 2 Bath - Pre Approved ADU	
Orange County, CA	
<b>Project Designer:</b> Design Path Studio Encinitas, CA 92024	
<b>Report Prepared by:</b> Design Path Studio	
<b>Job Number:</b>	
<b>Date:</b> 3/11/2024	
The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2022 Building Energy Efficiency Standards. This program developed by EnergySoft, LLC - www.energysoft.com	

GENERAL INFORMATION	
01	Project Name: Residential Building
02	Run Title: Title 24 Analysis
03	Project Location:
04	City: Orange
05	Standards Version: 2022
06	Zip code: 07
07	Software Version: EnergyPro 9.2
08	Climate Zone: 8
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: 2
14	Addition Cond. Floor Area (ft²): 0
15	Number of Stories: 1
16	Existing Cond. Floor Area (ft²): n/a
17	Fenestration Average U-factor: 0.3
18	Total Cond. Floor Area (ft²): 800
19	Glazing Percentage (%): 15.63%
20	ADU Bedroom Count: n/a
21	ADU Conditioned Floor Area: n/a
22	Fuel Type: Natural gas
23	No Dwelling Unit: No

COMPLIANCE RESULTS	
01	This building Complies with Computer Performance
02	This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.
03	This building incorporates one or more Special Features shown below

ENERGY DESIGN RATINGS												
Standard Design	Source Energy (EDR1)	37.8	Efficiency <sup>1</sup> EDR (EDR2/Etotal)	40	Total <sup>2</sup> EDR (EDR2total)	28	Source Energy (EDR1)	37.8	Efficiency <sup>1</sup> EDR (EDR2/Etotal)	40	Total <sup>2</sup> EDR (EDR2total)	28
	Proposed Design											
North Facing	37.1	37.6	26.4	0.7	3.1	1.6						
East Facing	37.1	37.6	26.7	0.7	2.4	1.3						
South Facing	36.6	36.6	26.3	1.2	3.4	1.7						
West Facing	37.2	38.7	27.3	0.6	1.3	0.7						

ENERGY USE INTENSITY					
North Facing	Gross EUI <sup>1</sup>	22.75	21.69	1.06	4.66
	Net EUI <sup>2</sup>	8.07	7.01	1.06	13.14
East Facing	Gross EUI <sup>1</sup>	22.75	21.85	0.9	3.96
	Net EUI <sup>2</sup>	8.07	7.17	0.9	11.15
South Facing	Gross EUI <sup>1</sup>	22.75	21.63	1.12	4.92
	Net EUI <sup>2</sup>	8.07	6.96	1.11	13.75
West Facing	Gross EUI <sup>1</sup>	22.75	21.87	0.88	3.87
	Net EUI <sup>2</sup>	8.07	7.19	0.88	10.9

ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft²-yr)	Standard Design TDV Energy (EDR2) (kTODU/ft²-yr)	Proposed Design Source Energy (EDR1) (kBtu/ft²-yr)	Proposed Design TDV Energy (EDR2) (kTODU/ft²-yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	0.03	0.22	0.86	6.39	-0.83	-6.17
Space Cooling	1.4	31.75	0.87	25.48	0.53	6.27
IAQ Ventilation	0.45	4.71	0.45	4.71	0	0
Water Heating	2.2	23.28	1.7	18.64	0.5	4.64
Self Utilization/Flexibility Credit				0		0
North Facing Efficiency Compliance Total	4.08	59.96	3.88	55.22	0.2	4.74
Space Heating	0.03	0.22	0.78	6.29	-0.75	-5.51
Space Cooling	1.4	31.75	0.93	27.2	0.47	4.55
IAQ Ventilation	0.45	4.71	0.45	4.71	0	0
Water Heating	2.2	23.28	1.7	18.6	0.5	4.68
Self Utilization/Flexibility Credit				0		0
East Facing Efficiency Compliance Total	4.08	59.96	3.86	56.24	0.22	3.72

ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft²-yr)	Standard Design TDV Energy (EDR2) (kTODU/ft²-yr)	Proposed Design Source Energy (EDR1) (kBtu/ft²-yr)	Proposed Design TDV Energy (EDR2) (kTODU/ft²-yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	0.03	0.22	0.57	4.2	-0.54	-3.98
Space Cooling	1.4	31.75	0.95	27.31	0.45	4.44
IAQ Ventilation	0.45	4.71	0.45	4.71	0	0
Water Heating	2.2	23.28	1.69	18.55	0.51	4.73
Self Utilization/Flexibility Credit				0		0
South Facing Efficiency Compliance Total	4.08	59.96	3.66	54.77	0.42	5.19
Space Heating	0.03	0.22	0.71	5.28	-0.68	-5.06
Space Cooling	1.4	31.75	1.06	29.38	0.34	2.37
IAQ Ventilation	0.45	4.71	0.45	4.71	0	0
Water Heating	2.2	23.28	1.69	18.58	0.51	4.7
Self Utilization/Flexibility Credit				0		0
West Facing Efficiency Compliance Total	4.08	59.96	3.91	57.95	0.17	2.01

COMPLIANCE RESULTS	
01	This building Complies with Computer Performance
02	This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.
03	This building incorporates one or more Special Features shown below

Registration Number: 224-P01001296A-000-000-0000000-0000  
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 HERS Provider: CalCERTS, Inc.  
 CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220901  
 Report Generated: 2024-03-11 10:55:07

Registration Number: 224-P01001296A-000-000-0000000-0000  
 Registration Date/Time: 2024-03-11 11:23:52  
 HERS Provider: CalCERTS, Inc.  
 CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220901  
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 Registration Date/Time: 2024-03-11 11:23:52  
 HERS Provider: CalCERTS, Inc.  
 CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220901  
 Report Generated: 2024-03-11 10:55:07

REQUIRED PV SYSTEMS											
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input (deg)	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
2.11	NA	Standard (14-17%)	Fixed	none	true	150-270	n/a	n/a	<+7.12	96	98

Registration Number: 224-P01001296A-000-000-0000000-0000  
 Registration Date/Time: 2024-03-11 11:23:52  
 HERS Provider: CalCERTS, Inc.  
 CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220901  
 Report Generated: 2024-03-11 10:55:07

ZONE INFORMATION						
01	02	03	04	05	06	07
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (ft²)	Avg. Ceiling Height	Water Heating System 1	Status
Zone 1	Conditioned	Ductless Minisplit1	800	8	DHW Sys 1	New

Registration Number: 224-P01001296A-000-000-0000000-0000  
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FENESTRATION / GLAZING													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Type	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft²)	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Window 3	Window	Left Wall	Left	90		1	10	0.3	NFRC	0.23	NFRC	Bug Screen	
Window 4	Window	Left Wall	Left	90		1	5	0.3	NFRC	0.23	NFRC	Bug Screen	
Window 5	Window	Rear Wall	Back	180		1	10	0.3	NFRC	0.23	NFRC	Bug Screen	
Window 6	Window	Rear Wall	Back	180		1	5	0.3	NFRC	0.23	NFRC	Bug Screen	
Window 7	Window	Rear Wall	Back	180		1	10	0.3	NFRC	0.23	NFRC	Bug Screen	
Window 8	Window	Right Wall	Right	270		1	24	0.3	NFRC	0.23	NFRC	Bug Screen	
Window 9	Window	Right Wall	Right	270		1	10	0.3	NFRC	0.23	NFRC	Bug Screen	

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 County of Orange  
 Pre-Approved  
 ADU Program

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 ADDRESS:  
 APN:  
 LEGAL DESCRIPTION:

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description  
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date 2024  
 project no.  
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 sheet no. T24.1



**2022 Single-Family Residential Mandatory Requirements Summary**

§ 190.004	<b>Energy Storage System (ESS) Ready.</b> All single-family residences must meet all of the following: Either ESS-ready retroconstruction equipment with back-up capacity of 60 kilowatt hours and four or more 200-amp branch circuits, or dedicated service from the main service to a subpanel that supplies the branch circuits as § 190.003, at least four branch circuits must be identified and have four square centimeters of a single conductor suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit near the primary exit, and one circuit supplying a sleeping room receptacle outlet; main panelboard must have a minimum busbar rating of 225 amperes sufficient space must be reserved to allow future installation of a system isolation equipment/master switch within 3' of the main panelboard, with receptives installed between the panelboard and the service location to allow the connection of back-up power source.
§ 190.005	<b>Heat Pump Space Heater Ready.</b> Systems using gas or propane combustion to serve individual dwelling units must include a dedicated unobstructed 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 30 amperes with the break cover identified as "240V ready" and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V Use."
§ 190.006	<b>Electric Clothes Dryer Ready.</b> Systems using gas or propane combustion to serve individual dwelling units must include a dedicated unobstructed 240V branch circuit wiring installed within 3' of the clothes closet with circuit conductors rated at least 30 amperes with the break cover identified as "240V ready" and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V Use."
§ 190.007	<b>Electric Clothes Dryer Ready.</b> Clothes dryer locations with gas or propane combustion to serve individual dwelling units must include a dedicated unobstructed 240V branch circuit wiring installed within 3' of the dryer location with circuit conductors rated at least 30 amperes with the break cover identified as "240V ready" and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V Use."

\*Exceptions may apply.

**HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY**

Project Name: 2 Bedroom 2 Bath - Pre Approved ADU Date: 3/11/2024  
 System Name: Ductless Mini-split Floor Area: 800

ENGINEERING CHECKS	SYSTEM LOAD	COIL COOLING PEAK		COL. HTG. PEAK	
		CFM	Sensibla	Latent	CFM
<b>Heating System</b>					
Output per System	36,000	Total Rooms Loads			
Total Output (Btu/h)	36,000	302	6,478	367	173
Output (Btu/h)†	43.1	Return Vented Lighting			
Return Air Ducts					
Return Fan	0	Return Fan			
Ventilation					
Supply Fan	0	Supply Fan			
Supply Air Ducts					
<b>TOTAL SYSTEM LOAD</b>					
TOTAL SYSTEM LOAD		6,478	367		6,827

HVAC EQUIPMENT SELECTION	
CFM per System	22,335
Airflow (cfm)	22,335
Airflow (cfm/hqft)	0.00
Airflow (cfm/ton)	4.6
Outside Air (%)	0.0%
Outside Air (cfm/hqft)	0.00
Total Adjusted System Output (Adjusted for Peak Design conditions)	
22,335	

Note: values above given at ARI conditions

**TIME OF SYSTEM PEAK** Aug 3 PM 261.1 A2

**HEATING SYSTEM PSYCHROMETRICS (Airstream Temperature at Time of Heating Peak)**

**COOLING SYSTEM PSYCHROMETRICS (Airstream Temperature at Time of Cooling Peak)**

56/22

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