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Accessory Dwelling Unit 1 Bedroom B - 667 s.f. Town of Paradise, CA

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

APPLICANT AGREEMENT
<p>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 REQUIRE A SIGNATURE BY THE PERSON WHO PREPARED THE INFORMATION. THE FOUNDATION DESIGN FOR THESE PERMIT READY CONSTRUCTION DOCUMENTS ASSUMES STANDARD SOILS CONDITIONS AND LEVEL TOPOGRAPHY. IF SITE SPECIFIC CONDITIONS REQUIRE A FOUNDATION DESIGN BEYOND WHAT IS PROVIDED IN THESE DOCUMENTS THEN THE APPLICANT IS TO PROVIDE A NEW FOUNDATION DESIGN WHICH COMPLIES WITH THE RECOMMENDATIONS OF THE GEOGRAPHICAL ENGINEER'S REPORT.</p> <p>BY SIGNING BELOW THE APPLICANT AGREES TO THE STATEMENT ABOVE AND WILL COMPLY WITH ALL LOCAL CODE REQUIREMENTS.</p> <p>SIGNATURE: _____ DATE: _____</p>
WILDLAND URBAN INTERFACE FIRE AREA
<p>THE TOWN OF PARADISE IS LOCATED WITHIN THE WILDLAND-URBAN INTERFACE AREA (AS DEFINED BY 2022 CRC R377.2). ALL CONSTRUCTION IS TO COMPLY WITH THE 2022 CRC SECTION R337. REFER TO WUI CHECKLIST ON SHEET G0.4 FOR FURTHER INFORMATION.</p> <p>IF APPLICANT DEVIATES FROM PROVIDED CHECKLIST ON G0.4, APPLICANT MUST PROVIDE A COMPLETE CHECKLIST AND RECEIVE APPROVAL FROM BUILDING DEPARTMENT.</p>

ZONING INFORMATION
<p>CONTACT TOWN OF PARADISE FOR THE INFORMATION BELOW EMAIL: PLANNING@TOWNOFPARADISE.COM OR PHONE: (530)872-6291 x411</p> <p>ZONING :</p> <p>LOT SIZE :</p> <p>EXISTING HABITABLE SQ. FT. :</p> <p>FLOOR AREA OF GARAGE:</p> <p>EXISTING LOT COVERAGE:</p> <p>ALLOWABLE LOT COVERAGE :</p> <p>PROPOSED LOT COVERAGE :</p> <p>LOT SLOPE :</p> <p>ADU SETBACKS FROM PROPERTY LINE</p> <p>ALLOWED : PROPOSED :</p> <p>FRONT- FRONT- REAR- REAR- SIDE- SIDE- STREET SIDE- STREET SIDE-</p> <p>ADU SETBACKS FROM MAIN RESIDENCE</p> <p>ALLOWED : 10' MINIMUM PROPOSED :</p> <p>OFF STREET PARKING :</p> <p>REQUIRED: PROVIDED:</p>

DIRECTORY
<p>SITE PLAN & TITLE SHEET INFORMATION PREPARED BY:</p> <p>COMPANY CONTACT PERSON ADDRESS PHONE EMAIL</p> <p>PROPERTY OWNER: _____</p> <p>NAME ADDRESS PHONE EMAIL</p> <p>BUILDING DEPARTMENT: COMMUNITY DEVELOPMENT DEPARTMENT, BUILDING RESILIENCY CENTER 6295 SKYWAY PARADISE, CA 95969 P. (530)872-6291</p>
PROJECT DESCRIPTION
<p>NEW CONSTRUCTION OF A ONE STORY, 1 BEDROOM, 1 BATH, DETACHED 667 S.F. ACCESSORY DWELLING UNIT WITH PORCH AREA USED BELOW.</p> <p>PORCH: 224 S.F.</p>

VICINITY MAP	HERS NOTES
	<p>1. PROPERLY COMPLETED AND ELECTRONICALLY SIGNED CERTIFICATE OF INSTALLATION (CF2R FORMS) SHALL BE POSTED WEATHER PROTECTED WITHIN BUILDING FOR REVIEW BY INSPECTORS - EES 10-103(a)3, 10-103(b)1.A - BY THE INSTALLING CONTRACTOR AND SUBMITTED TO THE FIELD INSPECTOR DURING CONSTRUCTION AT THE SITE. FOR PROJECTS REQUIRING HERS VERIFICATION, THE CF2R FORMS SHALL BE REGISTERED WITH A CALIFORNIA APPROVED HERS PROVIDER DATA REGISTRY WITH ITS OWN UNIQUE 21 DIGIT REGISTRATION NUMBER LOCATED AT THE BOTTOM OF EACH PAGE. THE FIRST 12 DIGITS WILL MATCH THE REGISTRATION NUMBER ASSOCIATED WITH THE CF1R FORM. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE CF2R FORMS ARE RENEWED AND APPROVED.</p> <p>2. PROPERLY COMPLETED & ELECTRONICALLY SIGNED AND REGISTERED CERTIFICATE(S) OF FIELD VERIFICATION AND DIAGNOSTIC TESTING (CF3R) SHALL BE POSTED WEATHER PROTECTED WITHIN THE BUILDING SITE BY A CERTIFIED HERS RATER. A REGISTERED CF3R WILL HAVE A UNIQUE 25 DIGIT REGISTRATION NUMBER LOCATED AT THE BOTTOM OF EACH PAGE. THE FIRST 20 DIGITS OF THE NUMBER WILL MATCH THE REGISTRATION NUMBER ASSOCIATED WITH THE CF2R. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THE CF3R IS REVIEWED AND APPROVED. EES 10-103(a)3, 10-103(b)1.A.</p> <p>3. CF1R REGISTRATION FORMS ARE LOCATED ON THE PLANS. IF REGISTRATION IS REQUIRED, A WATER-MARK AND REGISTRATION NUMBER WILL BE VISIBLE.</p> <p>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 FT2 (SC3.4.5), DUCTLESS INDOOR UNITS LOCATED ENTIRELY IN CONDITIONED SPACE (SC3.1.4.1.8) KITCHEN RANGE HOOD CFM VERIFICATION - 160 cfm FOR DWELLING UNITS <750 SQ. FT. IAQ MECHANICAL VENTILATION - See new ducting requirements Table 150.0-H</p> <p>5. FOR IAQ FAN - 30,30,42,44 CFM REQUIRED FOR A CONTINUOUSLY OPERATING EXHAUST FAN. PROVIDE A TIMER SWITCH WITH A MANUAL OFF AND A SOUND RATING OF 1 SONE (3 SONES MAX FOR AN INTERMITTENT FAN). THIS FAN TO PROVIDE A WHOLE BUILDING INDOOR AIR QUALITY VENTILATION WITH OUTDOOR AIR IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADOPTED BY THE CALIFORNIA ENERGY COMMISSION.</p> <p>6. SOLAR IS REQUIRED: Solar exemption cut off is 1.8 kWdc - this is an owner choice. Studio - SOLAR EXEMPTION TAKEN 1 Bedroom A - 1.68 kWdc IS THE MIN PV REQUIRED TO MEET THE STANDARD DESIGN. 1 Bedroom B - SOLAR EXEMPTION TAKEN 2 Bedroom - SOLAR EXEMPTION TAKEN</p> <p>7. SPECIAL FEATURES: VCHP required items listed above, exposed slab flooring, and NEEA rated heat pump water heater; specific brand/model or eq.</p> <p>8. NEW 2022 ELECTRIC READY REQUIREMENTS: IF HEAT PUMP WATER HEATER IS NOT INSTALLED, PROVIDE SPACE FOR THIS TYPE OF WATER HEATER. A 240V OUTLET IS REQUIRED FOR WATER HEATER, DRYER, AUTO CHARGING, AND STOVE INCLUDING BREAKER SPACE, ENERGY STORAGE SYSTEM FOR A FUTURE BATTERY SYSTEM (BATTERY READY) IS REQUIRED IF FULL SYSTEM IS NOT INSTALLED.</p>
LEGAL DESCRIPTION	APN

REQUIRED SUPPLEMENTAL INFORMATION - TO BE COMPLETED BY OWNER

additional plan information provided by applicant:
<input checked="" type="checkbox"/> COMPLETED <input type="checkbox"/> TITLE SHEET (T1.1) INFORMATION FILLED OUT <input type="checkbox"/> SITE PLAN SHEET (AS.2) PROVIDED IN PLAN SET FOR TOWN REVIEW <input type="checkbox"/> 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. <input type="checkbox"/> CONSTRUCTION AND DEMOLITION FORM <input type="checkbox"/> HOLD HARMLESS AGREEMENT
deferred submittals - separate permit to be obtained by applicant:
<input checked="" type="checkbox"/> TO BE COMPLETED <input type="checkbox"/> FIRE SPRINKLERS (WHEN REQUIRED) <input type="checkbox"/> PHOTOVOLTAIC SYSTEM - THE PV SYSTEM MUST BE INSTALLED, OPERATIONAL AND FINAL PRIOR TO FINAL BUILDING INSPECTION AND APPROVAL FOR THE ADU. IF THERE IS AN EXISTING PHOTOVOLTAIC SYSTEM OF SUFFICIENT SIZE ON THE MAIN HOUSE TO ACCOMMODATE THE NEW ADU THEN HOMEOWNER IS TO PROVIDE A REPORT STATING THE EXISTING SIZE OF THE PV PANEL.
fire sprinkler information:
<input checked="" type="checkbox"/> SELECTION <input type="checkbox"/> EXISTING RESIDENCE CURRENTLY HAS FIRE SPRINKLERS (NFPA 13D) <input type="checkbox"/> EXISTING RESIDENCE <u>DOES NOT</u> CURRENTLY HAVE FIRE SPRINKLERS <p>NEW ADU IS REQUIRED TO HAVE FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE SPRINKLERS. FIRE DEPARTMENT TO DETERMINE IF FIRE SPRINKLERS ARE OTHERWISE REQUIRED. SEE NOTES ON G0.4</p>
required w.u.i. details:
<p>REFER TO W.U.I. CONFORMANCE CHECKLIST ON SHEET G0.4 IN ADDITION TO THE FOLLOWING:</p> <ul style="list-style-type: none"> ROOF DETAILS: SHEET AS.2 & SPECIFICATIONS ON SHEET G0.5 VENTS: ROOF PLANS & SPECIFICATIONS ON SHEET G0.5 EXTERIOR WALL COVERING: EXTERIOR ELEVATIONS, SHEET AS.1 & SPECS ON SHEET G0.5 EXTERIOR WINDOWS: SHEET A0.1 WINDOW NOTES #11 & #13 EXTERIOR DOORS: SHEET A0.1 DOOR NOTES #9 & #10
exterior style selection:
<input checked="" type="checkbox"/> SELECTION - SEE SHEET T1.2 FOR EXTERIOR RENDERING <input type="checkbox"/> COOP
exterior wall material:
<input checked="" type="checkbox"/> SELECTION <p>EXTERIOR WALL COLOR OF PRINCIPAL DWELLING UNIT (EXTERIOR WALL COLOR OF ADU IS TO MATCH PRINCIPAL DWELLING UNIT)</p> <input type="checkbox"/> FIBER CEMENT - SIDING / COLOR PER WUI SPECIFICATIONS ON G0.5 <input type="checkbox"/> OTHER <p>IF DIFFERENT THAN SPECIFICATION ON G0.5 APPLICANT IS TO PROVIDE WUI COMPLIANT SPECIFICATIONS</p>

roof material:
<input checked="" type="checkbox"/> SELECTION <p>REFER TO SPECIFICATIONS ON G0.5. IF APPLICANT DEVIATES FROM SPECIFICATIONS ON G0.5, A WUI COMPLIANT OPTION IS TO BE PROVIDED AND APPROVED BY TOWN OF PARADISE</p> <input type="checkbox"/> WUI APPROVED CLASS A MATERIAL PER PLAN (SEE SHEET G0.5) <input type="checkbox"/> ALTERNATE WUI APPROVED CLASS A MATERIAL (SPECIFICATION PROVIDED BY APPLICANT) ROOF SPECIFICATION: _____

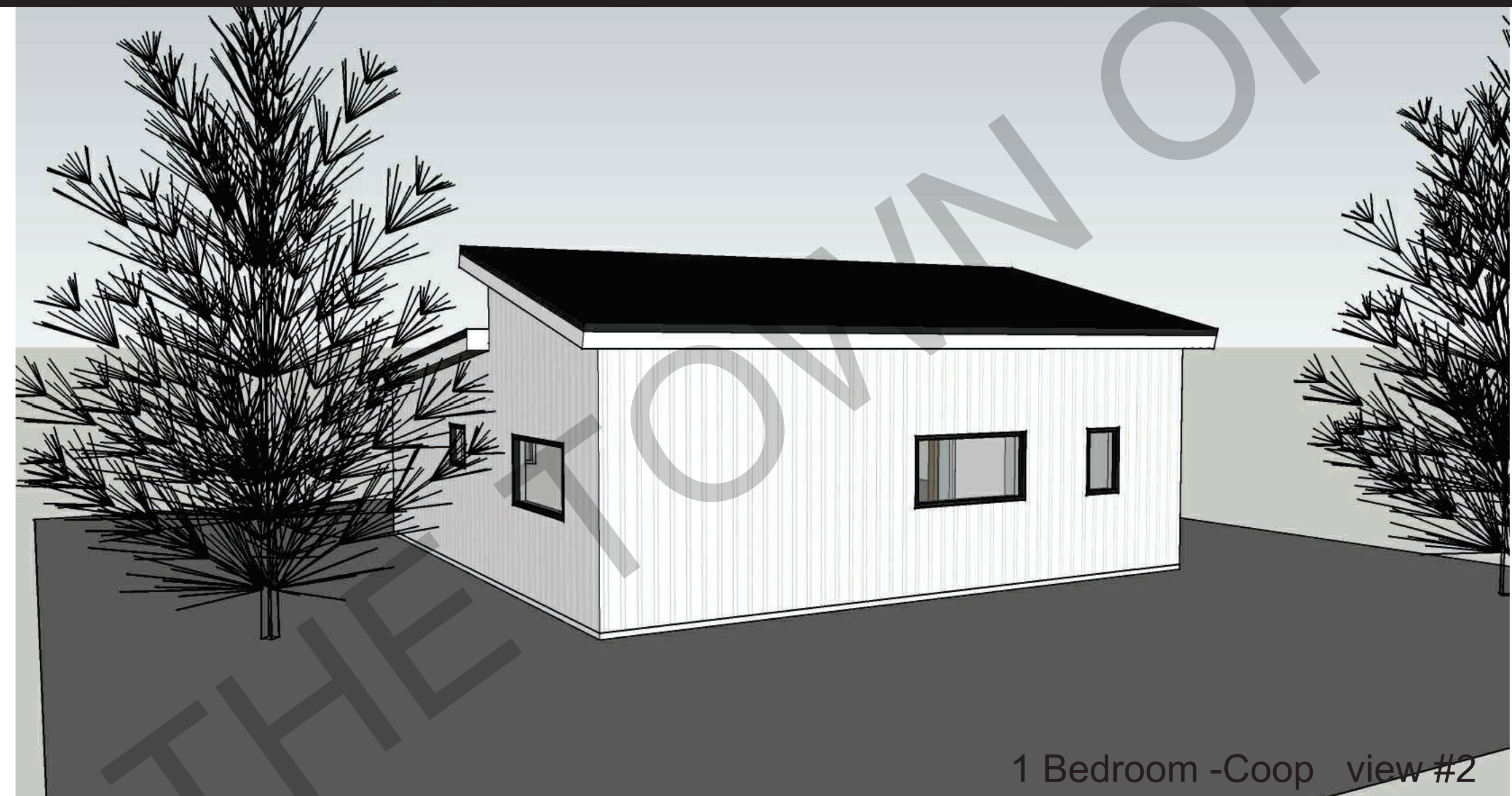
septic waste water information:
<input checked="" type="checkbox"/> SELECTION <input type="checkbox"/> ADU TO HAVE NEW SEPTIC SYSTEM (SHOW ON SITE PLAN) <input type="checkbox"/> ADU TO CONNECT TO EXISTING SEPTIC SYSTEM (SHOW ON SITE PLAN) <input type="checkbox"/> SEPTIC SYSTEM - REQUIRES TOWN OF PARADISE APPROVAL <p>DISTANCE TO CONNECTION _____</p>
electrical service information:
<input checked="" type="checkbox"/> SELECTION <input type="checkbox"/> UPGRADED SERVICE <input type="checkbox"/> EXISTING SERVICE TO REMAIN <input type="checkbox"/> NEW SERVICE <p>SIZE OF EXISTING SERVICE _____ SIZE OF NEW SERVICE _____</p>
gas service information:
<input checked="" type="checkbox"/> SELECTION <input type="checkbox"/> UPGRADED SERVICE <input type="checkbox"/> EXISTING SERVICE TO REMAIN <input type="checkbox"/> NEW SERVICE <p>SIZE OF EXISTING SERVICE _____ SIZE OF NEW SERVICE _____</p>

GAS PIPE ISOMETRIC DIAGRAM																
<p>TO BE UPDATED FOR SITE SPECIFIC CONDITIONS</p> <p>NOTE: EXISTING GAS SERVICE AND METER SIZE TO BE PROVIDED BY HOMEOWNER AND UPDATED ISOMETRIC LAYOUT PROVIDED BY DESIGNER OF CHOICE. CFH & BTUS PROVIDED AS SUGGESTED LOADS. OWNER/DESIGNER IS TO PROVIDE ACCURATE INFORMATION.</p> <p>SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE TOWN OF PARADISE BUILDING INSPECTOR</p> <p>(E) GAS METER BY POLE --- CFH (-" LENGTH) --- PIPE (-" LENGTH) --- (N) DRYER 35 CFH --- PIPE (-" LENGTH) --- (N) RANGE & OVEN 65 CFH</p>																
gas calculations																
<table border="1"> <thead> <tr> <th>APPLIANCE</th> <th>QTY</th> <th>CFH</th> <th>TOTAL CFH</th> </tr> </thead> <tbody> <tr> <td>(NEW) DRYER</td> <td>1</td> <td>35</td> <td>35</td> </tr> <tr> <td>(NEW) OVEN & RANGE</td> <td>1</td> <td>65</td> <td>65</td> </tr> <tr> <td colspan="3">TOTAL GAS LOAD FOR HOUSEHOLD APPLIANCES = 299,000 BTU/h</td> <td>299 CFH</td> </tr> </tbody> </table>	APPLIANCE	QTY	CFH	TOTAL CFH	(NEW) DRYER	1	35	35	(NEW) OVEN & RANGE	1	65	65	TOTAL GAS LOAD FOR HOUSEHOLD APPLIANCES = 299,000 BTU/h			299 CFH
APPLIANCE	QTY	CFH	TOTAL CFH													
(NEW) DRYER	1	35	35													
(NEW) OVEN & RANGE	1	65	65													
TOTAL GAS LOAD FOR HOUSEHOLD APPLIANCES = 299,000 BTU/h			299 CFH													
PIPE SIZE SCHEDULE 40 METALLIC PIPE 125' LENGTH PER TABLE 1216.2(1) CALIFORNIA PLUMBING CODE																
<table border="1"> <thead> <tr> <th>SIZE</th> <th>1/2"</th> <th>3/4"</th> <th>1"</th> <th>1 1/4"</th> <th>1 1/2"</th> <th>2"</th> </tr> </thead> <tbody> <tr> <td>CFH</td> <td>44</td> <td>92</td> <td>173</td> <td>355</td> <td>532</td> <td>1,020</td> </tr> </tbody> </table>	SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	CFH	44	92	173	355	532	1,020		
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"										
CFH	44	92	173	355	532	1,020										

project	Town of Paradise Pre-Approved ADU Program
revisions	<ul style="list-style-type: none"> △ △ △ △ △
description	Title Sheet
date	## Month 20##
project no.	20##_xxxxxx
drawn by	xxx/xxx
sheet no.	T1.1



1 Bedroom -Coop view #1



1 Bedroom -Coop view #2



1 Bedroom -Coop view #3

FOR USE IN THE TOWN OF PARADISE

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

project
 Town of Paradise
 Pre-Approved
 ADU Program

revisions
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description
 Exterior
 Style
 Options

date ## Month 20##

project no. 20##_xxxxxx

drawn by xxx/xxx

sheet no. T1.2

FOR USE IN THE TOWN OF PARADISE

SITE INFORMATION CHECKLIST:
SEE SITE PLAN NOTES ON SHEET G02 FOR FURTHER INFORMATION

- 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 ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS
 - LOCATION AND DIMENSIONS OF ALL EASEMENTS (ELECTRIC, WATER, SEWER, ETC)
 - REQUIRED AND PROPOSED BUILDING SETBACKS
 - LOCATION OF EXISTING AND PROPOSED BUILDINGS AND STRUCTURES
 - DISTANCE OF ALL STRUCTURES FROM EACH OTHER AND FROM PROPERTY LINES
 - LOCATION AND 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
 - ADU SEWER LINE CANNOT BE CONNECTED DIRECTLY TO THE EXISTING MAIN DWELLING UNIT IF THERE ARE FOUR OR MORE TOILETS AND A 3 INCH SEWER DRAIN ALREADY EXISTS IN THE MAIN DWELLING UNIT PER CURRENT CPC TABLE 703.2.
 - LOCATION OF EXISTING AND NEW METER LOCATIONS (GAS, ELECTRICAL, WATER)
 - SITE PLAN SIGNED BY PREPARER.
 - LOCATION OF SEPTIC SYSTEM AND LEACH LINES (IF APPLICABLE) EXISTING AND/OR PROPOSED
 - SOILS: LAND NOT SUBJECT TO LIQUEFACTION / GEO HAZARD OR SPECIAL STUDY ZONE
 - FLOOD: NOT SUBJECT TO OVERFLOW, INUNDATION OR FLOOD HAZARD
 - USING THE AS-BUILT ON FILE, ACCURATELY DRAW IN THE SEPTIC SYSTEM INCLUDING BOTH THE SEPTIC TANK AND LEACH FIELD
 - TOPOGRAPHY / SLOPE OF LAND AROUND ADU DESIGNED TO DRAIN AWAY FROM ADU AND MAIN DWELLING UNIT
 - ENCROACHMENT PERMIT REQUIRED FOR ANY CONSTRUCTION IN THE RIGHT OF WAY

WILD FIRE PREPARED HOME STANDARDS
SITE NOTES:

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

The HIZ must meet and maintain monthly all the following conditions:
Ground cover must be noncombustible and maintained free of debris (noncombustible hardscape such as gravel or paving stones is recommended).
No vegetation (trees, shrubs, bushes, plants, grass, weeds, etc.) should exist within or overhang the HIZ. Any overhanging limbs or branches from nearby trees and bushes must be trimmed back to be outside the HIZ.
No combustible items (such as furniture, firewood, trash cans, etc.) should be stored in the HIZ.
No boats, RVs, or other vehicles should be parked in the HIZ.

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

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

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

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

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

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

KEYNOTES
1 LINE OF EXTERIOR WALL, TYP.
2 LINE OF ROOF OVERHANG / DECK / AWNING / STRUCTURE ABOVE
3 REQUIRED SETBACKS
4 PROPERTY LINE, TYP.
5 EXISTING GAS METER
6 EXISTING WATER METER
7 EXISTING ELECTRIC METER.
8 CONDENSING UNIT
9 SURFACE WATER IS TO DRAIN AWAY FROM BUILDING. GRADE SHALL FALL A MIN. OF 6" WITHIN THE FIRST 10 FEET
10 FEEDER TO EXTEND TO EXISTING PANEL
11 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.

LEGEND
SPOT GRADE ELEVATION
AREA OF NEW BUILDING FOOTPRINT
AREA OF EXISTING BUILDING FOOTPRINT
CONCRETE PAVING
LANDSCAPE
KEYNOTE
PROPERTY LINE
REQUIRED SETBACKS
DRAINAGE PATTERN
SITE CONTOURS
NEW SEWER LINE
NEW DOMESTIC WATER LINE
NEW ELECTRICAL & TEL DATA LINE
NEW GAS LINE
NEW OR EXISTING FENCE

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: _____

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 = _____

project
Town of Paradise Pre-Approved ADU Program
revisions
description
date ## Month 20##
project no. 20##_xxxxxx
drawn by xxx/xxx
sheet no.

Example Site Plan
AS.2

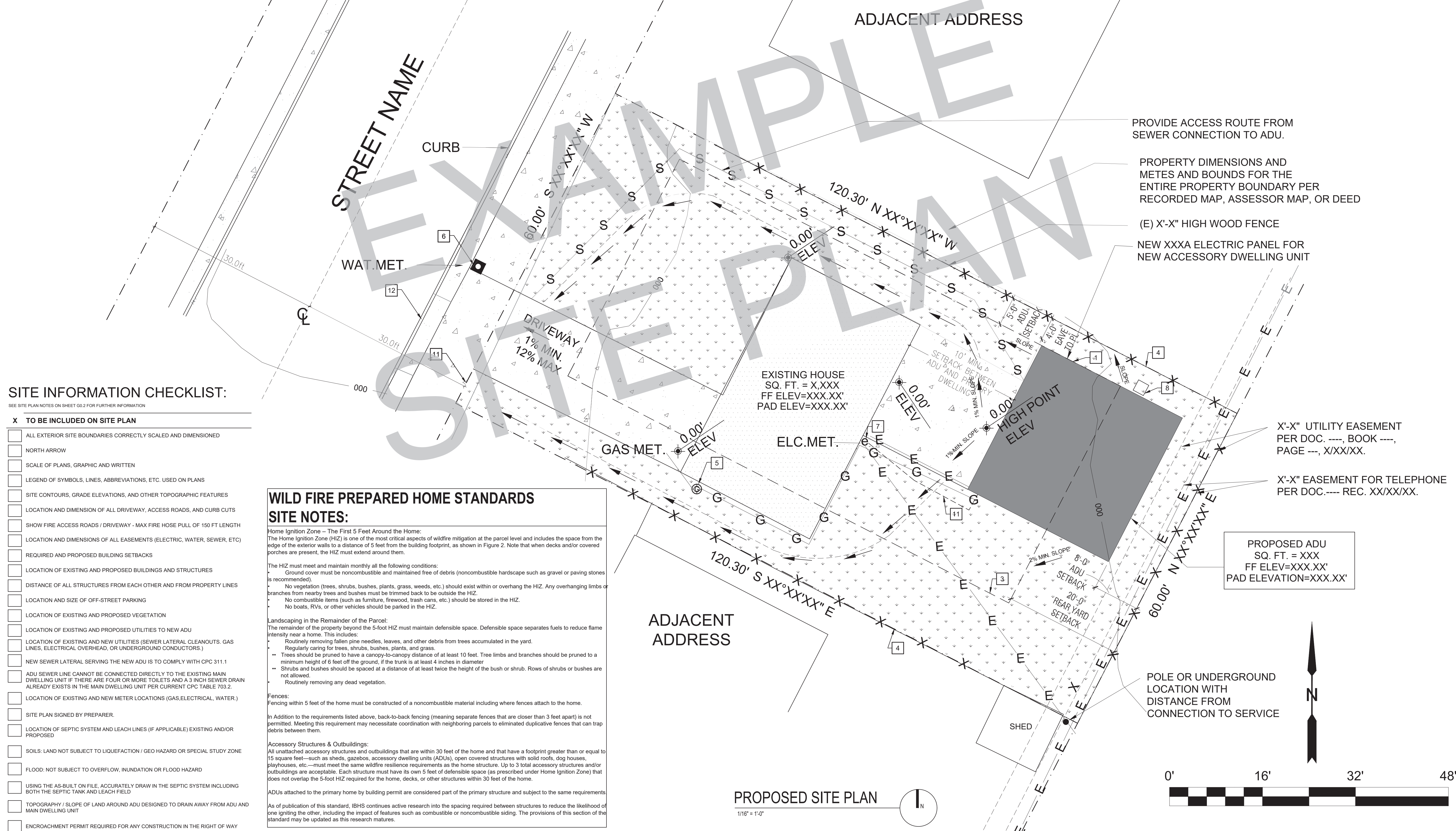


BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:
1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE TOWN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

X'-X" UTILITY EASEMENT PER DOC. ----, BOOK ----, PAGE ---, X/XX/XX.
X'-X" EASEMENT FOR TELEPHONE PER DOC.---- REC. XX/XX/XX.

PROPOSED ADU
SQ. FT. = XXX
FF ELEV=XXX.XX'
PAD ELEVATION=XXX.XX'

PROVIDE ACCESS ROUTE FROM SEWER CONNECTION TO ADU.
PROPERTY DIMENSIONS AND METES AND BOUNDS FOR THE ENTIRE PROPERTY BOUNDARY PER RECORDED MAP, ASSESSOR MAP, OR DEED
(E) X'-X" HIGH WOOD FENCE
NEW XXXA ELECTRIC PANEL FOR NEW ACCESSORY DWELLING UNIT



2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

RESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

Y	NA	RESPON. PARTY
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL 301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7. 301.1.1 Additions and alterations. [HCD] The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the specific area of the addition or alteration. The mandatory provision of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section 4.106.4.3 for application. Note: Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section. Note: On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] - NOT USED SECTION 302 MIXED OCCUPANCY BUILDINGS 302.1 MIXED OCCUPANCY BUILDINGS. - NOT USED DIVISION 4.1 PLANNING AND DESIGN ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development BSC California Building Standards Commission DSA-SS Division of the State Architect, Structural Safety OSHPD Office of Statewide Health Planning and Development LR Low Rise HR High Rise AA Additions and Alterations N New		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHAPTER 4 RESIDENTIAL MANDATORY MEASURES SECTION 4.102 DEFINITIONS 4.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) FRENCH DRAIN. A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar porous material used to collect or channel drainage or runoff water. WATTLETS. Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials such as hay, straw or similar material shaped in the form of tubes and placed on a downflow slope. Wattles are also used for perimeter and inlet controls.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.106 SITE DEVELOPMENT 4.106.1 GENERAL. Preservation and use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, management of storm water drainage and erosion controls shall comply with this section. 4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site. 1. Retention basins of sufficient size shall be utilized to retain storm water on the site. 2. Where storm water is conveyed to a public drainage system, collection point, gutter or similar disposal method, water shall be filtered by way of a barrier system, wattle point, wattle point method approved by the enforcing agency. 3. Compliance with a lawfully enacted storm water management ordinance. Note: Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in total disturbs one acre or more of soil. (Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html)		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.106.3 GRADING AND PAVING. Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following: 1. Swales 2. Water collection and disposal systems 3. French drains 4. Water retention gardens 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations not altering the drainage path.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.106.4 Electric vehicle (EV) charging for new construction. - NOT USED 4.106.4.2 New multifamily dwellings, hotels and motels and new residential parking facilities. - NOT USED 4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing multifamily buildings. - NOT USED		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DIVISION 4.2 ENERGY EFFICIENCY 4.201 GENERAL 4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION 4.303 INDOOR WATER USE 4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the sections 4.303.1.1, 4.303.1.2, 4.303.1.3, and 4.303.1.4. Note: All noncompliant plumbing fixtures in any residential real property shall be replaced with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy, or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.303.1.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets. Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.303.1.2 Urinals. - NOT USED 4.303.1.3 Showerheads. 4.303.1.3.1 Single Showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads. 4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to only allow one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
4.303.1.4 Faucets. 4.303.1.4.1 Residential Lavatory Faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gallons per minute at 80 psi. The minimum flow rate of residential lavatory faucets shall not be less than 0.8 gallons per minute at 20 psi. 4.303.1.4.2 Lavatory Faucets in Common and Public Use Areas. - NOT USED 4.303.1.4.3 Metering Faucets. - NOT USED 4.303.1.4.4 Kitchen Faucets. The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons per minute at 80 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 80 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 80 psi. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction. 4.303.1.4.5 Pre-rinse spray valves. - NOT USED																		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
4.303.2 Submitters for multifamily buildings and dwelling units in mixed-used residential/commercial buildings. - NOT USED 4.303.3 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the <i>California Plumbing Code</i> , and shall meet the applicable standards referenced in Table 1701.1 of the <i>California Plumbing Code</i> . NOTE: THIS TABLE COMPILES THE DATA IN SECTION 4.303.1, AND IS INCLUDED AS A CONVENIENCE FOR THE USER. TABLE - MAXIMUM FIXTURE WATER USE <table border="1"> <thead> <tr> <th>FIXTURE TYPE</th> <th>FLOW RATE</th> </tr> </thead> <tbody> <tr> <td>SHOWER HEADS (RESIDENTIAL)</td> <td>1.8 GMP @ 80 PSI</td> </tr> <tr> <td>LAVATORY FAUCETS (RESIDENTIAL)</td> <td>MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI</td> </tr> <tr> <td>LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS</td> <td>0.5 GPM @ 60 PSI</td> </tr> <tr> <td>KITCHEN FAUCETS</td> <td>1.8 GPM @ 60 PSI</td> </tr> <tr> <td>METERING FAUCETS</td> <td>0.2 GAL/CYCLE</td> </tr> <tr> <td>WATER CLOSET</td> <td>1.28 GAL/FLUSH</td> </tr> <tr> <td>URINALS</td> <td>0.125 GAL/FLUSH</td> </tr> </tbody> </table>			FIXTURE TYPE	FLOW RATE	SHOWER HEADS (RESIDENTIAL)	1.8 GMP @ 80 PSI	LAVATORY FAUCETS (RESIDENTIAL)	MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI	LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS	0.5 GPM @ 60 PSI	KITCHEN FAUCETS	1.8 GPM @ 60 PSI	METERING FAUCETS	0.2 GAL/CYCLE	WATER CLOSET	1.28 GAL/FLUSH	URINALS	0.125 GAL/FLUSH
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URINALS	0.125 GAL/FLUSH																	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
4.304 OUTDOOR WATER USE 4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. NOTES: 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the <i>California Code Regulations</i> , Title 23, Chapter 2.7, Division 2. MWLEO and supporting documents, including water budget calculator, are available at: https://www.water.ca.gov																		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY 4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE 4.406.1 RODENT PROOFING. Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency. 4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING 4.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65 percent of the non-hazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent local construction and demolition waste management ordinance. Exceptions: 1. Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the jobsite. 3. The enforcing agency may make exceptions to the requirements of this section when isolated jobsites are located in areas beyond the haul boundaries of the diversion facility. 4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN. Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as necessary and shall be available during construction for examination by the enforcing agency. 1. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale. 2. Specify if construction and demolition waste materials will be sorted on-site (source separated) or bulk mixed (single stream). 3. Identify diversion facilities where the construction and demolition waste material collected will be taken. 4. Identify construction methods employed to reduce the amount of construction and demolition waste generated. 5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. 4.408.3 WASTE MANAGEMENT COMPANY. Utilize a waste management company, approved by the enforcing agency, which can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with Section 4.408.1. Note: The owner or contractor may make the determination if the construction and demolition waste materials will be diverted by a waste management company. 4.408.4 WASTE STREAM REDUCTION ALTERNATIVE [LR]. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 3.4 lbs./sq.ft. of the building area shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1. 4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 2 pounds per square foot of the building area, shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1.																		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
4.408.5 DOCUMENTATION. Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 4.408.2, Items 1 through 5, Section 4.408.3 or Section 4.408.4. NOTES: 1. Sample forms found in "A Guide to the California Green Building Standards Code (Residential)" located at www.hcd.ca.gov/CALGreen.html may be used to assist in documenting compliance with this section. 2. Mixed construction and demolition debris (C & D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).																		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
4.410 BUILDING MAINTENANCE AND OPERATION 4.410.1 OPERATION AND MAINTENANCE MANUAL. At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building: 1. Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure. 2. Operation and maintenance instructions for the following: a. Equipment and appliances, including water-saving devices and systems, HVAC systems, photovoltaic systems, electric vehicle chargers, water-heating systems and other major appliances and equipment. b. Roof and yard drainage, including gutters and downspouts. c. Space conditioning systems, including condensers and air filters. d. Landscape irrigation systems. e. Water reuse systems. 3. Information from local utility, water and waste recovery providers on methods to further reduce resource consumption, including recycle programs and locations.																		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																

Y	NA	RESPON. PARTY
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4. Public transportation and/or carpool options available in the area. 5. Educational material on the positive impacts of an interior relative humidity between 30-60 percent and what methods an occupant may use to maintain the relative humidity level in that range. 6. Information about water-conserving landscape and irrigation design and controllers which conserve water. 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation. 8. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc. 9. Information about state solar energy and incentive programs available. 10. A copy of all special inspections verifications required by the enforcing agency or this code. 11. Information from the Department of Forestry and Fire Protection on maintenance of defensible space around residential structures. 12. Information and/or drawings identifying the location of grab bar reinforcements.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.410.2 RECYCLING BY OCCUPANTS. Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive. Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82(a)(2)(A) et seq. are not required to comply with the organic waste portion of this section.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DIVISION 4.5 ENVIRONMENTAL QUALITY SECTION 4.501 GENERAL 4.501.1 SCOPE The provisions of this chapter shall outline means of reducing the quality of air contaminants that are odorous, irritating and/or harmful to the comfort and well being of a building's installers, occupants and neighbors. SECTION 4.502 DEFINITIONS 5.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) AGRIFIBER PRODUCTS. Agrifiber products include wheatboard, strawboard, panel substrates and door cores, not including furniture, fixtures and equipment (FF&E) not considered base building elements. COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of Regulations (CCR), title 17, Section 93120.1. DIRECT-VENT APPLIANCE. A fuel-burning appliance with a sealed combustion system that draws all air for combustion from the outside atmosphere and discharges all flue gases to the outside atmosphere. MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O ₃ /g ROG). Note: MIR values for individual compounds and hydrocarbon solvents are specified in CCR, Title 17, Sections 94700 and 94701. MOISTURE CONTENT. The weight of the water in wood expressed in percentage of the weight of the oven-dry wood. PRODUCT-WEIGHTED MIR (PVMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PVMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging). Note: PVMIR is calculated according to equations found in CCR, Title 17, Section 94521 (a). REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere. VOC. A volatile organic compound (VOC) broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.503 FIREPLACES 4.503.1 GENERAL. Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504 POLLUTANT CONTROL 4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. At the time of rough installation, during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of water, dust or debris which may enter the system. 4.504.2 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with this section. 4.504.2.1 Adhesives, Sealants and Caulks. Adhesives, sealant and caulks used on the project shall meet the requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply: 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1188 VOC limits, as shown in Table 4.504.1 or 4.504.2, as applicable. Such products also shall comply with the Rule 1188 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products, as specified in Subsection 2 below. 2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of <i>California Code of Regulations</i> , Title 17, commencing with Section 94520, and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8, Rule 49. 4.504.2.2 Paints and Coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 4.504.3 shall apply. 4.504.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings shall meet the Product-weighted MIR Limits for ROC in Section 94522(a)(2) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(e)(1) and (f)(1) of <i>California Code of Regulations</i> , Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8, Rule 49. 4.504.2.4 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following: 1. Manufacturer's product specification. 2. Field verification of on-site product containers.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.3 CARPET SYSTEMS. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEOD/CEHLB/IAQ/Pages/VOC.aspx . 4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEOD/CEHLB/IAQ/Pages/VOC.aspx . 4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1. 4.504.4 RESILIENT FLOORING SYSTEMS. Where resilient flooring is installed, at least 80% of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEOD/CEHLB/IAQ/Pages/VOC.aspx .		
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DIVISION 4.5 ENVIRONMENTAL QUALITY (continued) 4.504.5 COMPOSITE WOOD PRODUCTS. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5 4.504.5.1 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following: 1. Product certifications and specifications. 2. Chain of custody certifications. 3. Product labels and invoices as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.). 4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269, European 636 3S standards, and Canadian CSA 0121, CSA 0151, CSA 0153 and CSA 0325 standards. 5. Other methods acceptable to the enforcing agency.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.505 INTERIOR MOISTURE CONTROL 4.505.1 General. Buildings shall meet or exceed the provisions of the <i>California Building Standards Code</i> . 4.505.2 CONCRETE SLAB FOUNDATIONS. Concrete slab foundations required to have a vapor retarder by California Building Code, Chapter 19, or concrete slab-on-ground floors required to have a vapor retarder by the California Residential Code, Chapter 5, shall also comply with this section. 4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the following: 1. A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clean aggregate shall be provided with a vapor barrier in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06. 2. Other equivalent methods approved by the enforcing agency. 3. A slab design specified by a licensed design professional.		
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4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19 percent moisture content. Moisture content shall be verified in compliance with the following: 1. Moisture content shall be determined with either a probe-type or contact-type moisture meter. Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements found in Section 101.8 of this code. 2. Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end of each piece verified. 3. At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing. Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.506 INDOOR AIR QUALITY AND EXHAUST 4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated and shall comply with the following: 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 less than or equal to 50% to a maximum of 80%. A humidity control may utilize manual or automatic means of adjustment. b. A humidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in) Notes: 1. For the purposes of this section, a bathroom is a room which contains a bathtub, shower or tub/shower combination. 2. Lighting integral to bathroom exhaust fans shall comply with the <i>California Energy Code</i> .		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.507 ENVIRONMENTAL COMFORT 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods: 1. The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J - 2011 (Residential Load Calculation), ASHRAE handbooks or other equivalent design software or methods. 2. Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection), or other equivalent design software or methods. Exception: Use of alternate design temperatures necessary to ensure the system functions are acceptable.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS 702 QUALIFICATIONS 702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following: 1. State certified apprenticeship programs. 2. Public utility training programs. 3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations. 4. Programs sponsored by manufacturing organizations. 5. Other programs acceptable to the enforcing agency. 702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector: 1. Certification by a national or regional green building program or standard publisher. 2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors. 3. Successful completion of a third party apprentice training program in the appropriate trade. 4. Other programs acceptable to the enforcing agency. Notes: 1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. 2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS). [BSC] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency. Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
703 VERIFICATIONS 703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.		
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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:
 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF PARADISE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL.
 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL REMEDY 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, ENGINEERS OR WLL/FUL MISCORP/IT DESIGN PATH STUDIO OR ITS ARCHITECTS.
 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION.
 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

Town of Paradise
Pre-Approved
ADU Program

revisions

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description

Calgreen
Checklist

date ## Month 20##

project no. 20##-#-#xxxxx

drawn by xxx/xxx

sheet no. **G0.1**

GENERAL NOTES	FOUNDATIONS & CONCRETE SLAB NOTES	ROOF NOTES (CONTINUED)	FLOOR PLAN NOTES	FLOOR PLAN NOTES (CONTINUED)
<ol style="list-style-type: none"> DO NOT SCALE THE DRAWING, USE THE DIMENSIONS ONLY. IF A DISCREPANCY IS FOUND TO EXIST, NOTIFY THE OWNER. THESE PLANS/SPECIFICATIONS AND ALL WORK SHALL COMPLY WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CRC AND CURRENT 2022 CALIFORNIA PLUMBING CODE, 2022 CALIFORNIA MECHANICAL CODE, AND 2022 CALIFORNIA ELECTRICAL CODE. DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT THE JOB DIMENSIONS OR CONDITIONS AND IS TO BE REVIEWED AND APPROVED BY THE TOWN OF PARADISE. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO STARTING ANY WORK. ALL WEATHER-EXPOSED SURFACES ARE TO HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING AND THAT EXTERIOR OPENINGS ARE TO BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF. SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE TOWN OF PARADISE BUILDING INSPECTOR APPLICANT IS RESPONSIBLE TO VERIFY WHETHER THE JOB SITE IS LOCATED WITHIN THE SPECIAL PERMIT ZONE. PROJECTS LOCATED IN THE SPECIAL PERMIT ZONE SHALL PROVIDE AN ELEVATION CERTIFICATE WITH SUPPORTING DOCUMENTS TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE. THE PV SYSTEM WILL BE SUBMITTED UNDER A SEPARATE PERMIT. A PHOTOVOLTAIC (SOLAR) SYSTEM BUILDING AND ELECTRICAL PERMIT SHALL BE ISSUED PRIOR TO ADU BUILDING FRAME INSPECTION REQUEST. SPECIAL INSPECTORS MUST BE QUALIFIED AND ABLE TO DEMONSTRATE COMPETENCE IN THE DISCIPLINE THEY ARE INSPECTING. VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOCUMENT PLANS, SPECIFICATION BUILDER OR INSTALLER CERTIFICATIONS, INSPECTIONS REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH TO SHOW SUBSTANTIAL CONFORMANCE. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN TO TOWN OF PARADISE BUILDING DEPARTMENT. THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0 	<ol style="list-style-type: none"> 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 10 MIL. VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING SHALL BE USED. FOOTINGS SHALL EXTEND AT LEAST 12 INCHES INTO THE UNDISTURBED GROUND SURFACE. (CRC R403.1.4) STEPPED FOOTINGS SHALL BE USED WHEN SLOPE OF FOOTING BOTTOM IS GREATER THAN 1 IN 10 (V: H). STEP FOOTING DETAIL SHALL BE SHOWN ON BUILDING ELEVATIONS AND FOUNDATION PLAN. (CRC R403.1.5) CONCRETE SLABS: 3 1/2" MINIMUM (CRC R506.1). SLABS UNDER LIVING AREAS AND GARAGES SHALL BE REINFORCED WITH WIRE 6" X 6", 10-GAUGE X 10 GAUGE WELDED MESH OR EQUIVALENT STEEL REINFORCEMENT AND 4" THICKNESS OF 3/8 MINIMUM GRAVEL UNDER THE CONCRETE SLAB. SEPARATE FROM SOIL WITH A 10-MIL POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6 INCHES IN LIVING AREAS. A CAPILLARY BREAK SHALL BE INSTALLED WHEN A VAPOR RETARDER IS REQUIRED. 	<ol style="list-style-type: none"> SLATE SHINGLES SHALL BE USED ONLY ON SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER. THE MINIMUM SLOPE FOR STANDING-SEAM ROOF SYSTEMS SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE). BUILT-UP ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE, EXCEPT FOR COAL-TAR BUILT-UP ROOFS, WHICH SHALL HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (1-PERCENT SLOPE). MINERAL-SURFACED ROLL ROOFING SHALL NOT BE APPLIED ON ROOF SLOPES BELOW ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL (8-PERCENT SLOPE). 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. SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE. A CLASS A WUI COMPLIANT ROOF ASSEMBLY SHALL BE INSTALLED PER THE FOLLOWING: <ol style="list-style-type: none"> ROOF COVERING SHALL COMPLY WITH 2022 CRC R337.5.2 UNDERLAYMENT SHALL BE ONE LAYER OF OF MINIMUM 72 POUND MINERAL-SURFACED ON PERFORATED CAP SHEET COMPLYING WITH ASTM D3909 INSTALLED OVER THE COMBUSTIBLE DECKING. ROOF VALLEYS SHALL COMPLY WITH 2022 CRC R337.5.3. VALLEY FLASHING SHALL BE NOT LESS THAN 26 GAGE GALVANIZED SHEET CORROSIVE RESISTANT METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MINIMUM 72 POUND MINERAL-SURFACED NON PERFORATED CAP SHEET COMPLYING WITH ASTM D3909, AT LEAST 36 INCHES WIDE RUNNING THE FULL LENGTH OF THE VALLEY. ROOF GUTTERS SHALL COMPLY WITH 2022 CRC R337.5.4 AND BE OF NON-COMBUSTIBLE MATERIAL [PMC 15.03.070]. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER. WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6.1 THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRODUCTION OF BURNING EMBERS AND FLAME THRU THE VENTILATION OPENINGS. (R337.6.1) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS <ol style="list-style-type: none"> 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 MAX. TEMP. OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662° (350°C). (R337.6.2) 	<ol style="list-style-type: none"> ALL DIMENSIONS TO FACE OF STUD, U.N.O. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. CONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY OWNER OF ANY DISCREPANCIES. REFER TO FRAMING PLANS AND SECTIONS FOR CLARIFICATION AND DIM. NOT SHOWN. 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 DIFFUSERS AND GRILLS TO MATCH COLOR OF SURFACE AT WHICH THEY ARE MOUNTED, U.O.N. 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. PLUMBING, ELECTRICAL, AND SPRINKLER EQUIPMENT, IF REQUIRED TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACE. 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. 65% OF CONSTRUCTION WASTE IS TO BE RECYCLED AND 100% OF INERT MATERIALS ARE REQUIRED SALVAGED, COMPOSTED. 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. 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 AT LEAST ONE EGRESS DOOR SHALL BE PROVIDED FOR EACH DWELLING UNIT, THE EGRESS DOOR SHALL BE SIDE HINGED WITH A MINIMUM OPENABLE WIDTH OF 32 INCHES; THE MINIMUM CLEAR OPENABLE HEIGHT SHALL BE 78 INCHES MINIMUM (OTHER DOORS SHALL NOT BE REQUIRED TO COMPLY WITH THESE DIMENSIONS). EGRESS DOORS SHALL BE READILY OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. (CRC R311.2) PROVIDE LANDINGS AND A PORCH LIGHT AT ALL EXTERIOR DOORS. LANDINGS ARE TO BE MINIMUM 3 FT DEEP X WIDTH OF DOOR. LANDINGS AT REQUIRED EGRESS DOORS MAY STEP DOWN A MAXIMUM OF 7.75 INCHES WHEN THE DOOR DOES NOT SWING OVER THE LANDING AND 1.5 INCHES WHEN DOOR SWINGS ONTO THE LANDING. OTHER THAN REQUIRED EXTERIOR EXIT DOORS MAY HAVE A THRESHOLD OF 7.75 INCHES MAXIMUM; A LANDING IS NOT REQUIRED IF A STAIR WITH TWO OR FEWER RISERS IS LOCATED ON THE EXTERIOR SIDE AND THE DOOR DOES NOT SWING OVER THE STAIRWAY. (CRC R311.3-R311.3.2) NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION SHALL BE DESIGNED FOR AGING-IN-PLACE DESIGN AND FALL PREVENTION PER R327 <ol style="list-style-type: none"> AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH GRAB BAR 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. REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY. REINFORCEMENT SHALL NOT BE LESS THAN 2 X 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. WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL. SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. 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. 	<ol style="list-style-type: none"> PROVIDE EACH BEDROOM, BASEMENT, AND HABITABLE ATTICS WITH A MINIMUM OF ONE EXTERIOR WINDOW WITH A 44" MAXIMUM CLEAR OPENING HEIGHT, 5.7 SQ. FT. MINIMUM CLEAR OPENABLE AREA (MINIMUM 5.0 SQ. FT. AT GRADE FLOOR OPENINGS), 24" MINIMUM CLEAR OPENABLE HEIGHT AND 20" MINIMUM CLEAR WIDTH, OR AN OPENABLE EXTERIOR EXIT DOOR. (CRC R310.2.1 AND CRC R310.2.2) WINDOW WELLS, LADDERS, AND STEPS SHALL COMPLY WITH CRC R310.2.3. BARS, GRILLES, COVERS, AND SCREENS SHALL BE RELEASABLE OR REMOVABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE, OR FORCE GREATER THAN 15LBS TO OPERATE THE EMERGENCY ESCAPE AND RESCUE OPENINGS. (CRC R310.4.4) PHOTOVOLTAIC PANELS & MODULES SHALL NOT BE BELOW AN EMERGENCY ESCAPE AND RESCUE OPENING WITHIN 36". (R324.6.3)
<ol style="list-style-type: none"> APPLICANT IS RESPONSIBLE TO PROVIDE SITE PLAN (PLOT PLAN) TO THE TOWN FOR REVIEW AND APPROVAL. AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY CONSTRUCTION, RECONSTRUCTION, OR CLOSURE OR THE ROADWAY, SIDEWALK OR RIGHT OF WAY. APPLICANT SHALL CONTACT ENGINEERING DEPARTMENT TO PROCESS. SITE EXCAVATION AND GRADING SHALL COMPLY WITH PARADISE MUNICIPAL CODE 15.02.100 SECTIONS J101.1 THRU J110.4. SOIL REPORT REQUIREMENT: IF A SOILS REPORT IS REQUIRED THE GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 1803.2 AND REPORTED IN ACCORDANCE WITH SECTION 18.3.6, CBC. THE GEOTECHNICAL ENGINEER OF RECORD SHALL REVIEW THE TOWN APPROVED PLANS FOR GENERAL CONFORMANCE WITH THE SOIL REPORT; OTHERWISE, AN ALTERNATE FOUNDATION PLAN DESIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER IS REQUIRED SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE PROVIDED AND APPROVED BY THE TOWN ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY THE TOWN ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPT. SLOPE DRAINAGE 6" WITHIN THE FIRST 10FT. FROM THE FOUNDATION WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT THE 10FT DISTANCE, A 2-5 PERCENT SLOPE SHALL BE PROVIDED TO AN APPROVED ALTERNATIVE METHOD OF DIVERTING THE WATER AWAY FROM THE FOUNDATION. IMPERVIOUS SURFACES SHALL ALSO BE SLOPED A MINIMUM OF 2 PERCENT FOR 10FT AWAY FROM STRUCTURES TO AN APPROVED DRAINAGE WAY. (CRC R401.3) LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS. 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. 	<p style="text-align: center;">WALL AND WOOD FRAME NOTES</p> <ol style="list-style-type: none"> STUCCO SHALL HAVE A MINIMUM CLEARANCE TO EARTH OF 4 INCHES AND 2 INCHES TO PAVED SURFACES WITH AN APPROVED WEEP SCREED. (CRC R703.7.2.1) MASONRY STONE VENEER SHALL BE FLASHED BENEATH THE FIRST COURSE OF MASONRY AND PROVIDED WITH WEEP HOLES IMMEDIATELY ABOVE THE FLASHING. (CRC R703.8.5 AND R703.8.6) 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) 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 METHOD USE SDPWS 4.3.6.4.3) WEATHER EXPOSED GLU-LAM, BEAMS AND POSTS SHALL BE PRESSURE TREATED OR SHALL BE WOOD OF NATURAL RESISTANCE TO DECAY (CRC R317.1.3 & 5) COLUMNS EXPOSED TO THE WEATHER OR IN BASEMENTS WHEN SUPPORTED ON CONCRETE PIER OR METAL PEDESTALS SHALL BE PRESSURE TREATED OR NATURAL RESISTANCE TO DECAY UNLESS THE PIER/PEDESTALS PROJECT 1" ABOVE CONCRETE OR 6" ABOVE EARTH AND THE EARTH IS COVERED BY AN APPROVED IMPERVIOUS MOISTURE BARRIER. (CRC R317.1) COLUMNS IN ENCLOSED CRAWL SPACES OR UNEXCAVATED AREAS LOCATED WITHIN THE PERIPHERY OF THE BUILDING SHALL BE PRESSURE TREATED OR NATURAL RESISTANCE TO DECAY UNLESS THE COLUMN IS SUPPORTED BY A CONCRETE PIER OR METAL PEDESTAL OF A HEIGHT 8" OR MORE AND THE EARTH IS COVERED BY AN IMPERVIOUS MOISTURE BARRIER. (CRC R317.1) DECK POSTS SUPPORTED BY CONCRETE PIERS OR METAL PEDESTALS PROJECTING NOT LESS THAN 1" ABOVE A CONCRETE FLOOR OR 6" ABOVE EXPOSED EARTH. (CRC R317.1) SPECIFY POST TO BEAM CONNECTIONS. POSITIVE CONNECTION SHALL BE PROVIDED TO ENSURE AGAINST UPLIFT AND LATERAL DISPLACEMENT. (CRC R502.9 & CBC 2304.10.7) ALL FASTENERS USED FOR ATTACHMENT OF SIDING & INTO PRESSURE TREATED LUMBER SHALL BE OF A CORROSION RESISTANT TYPE. (CRC R317.3) FIRE-BLOCK IN CONCEALED SPACES OF STUD WALLS/PARTITIONS, VERTICALLY AT CEILING/FLOOR LEVELS, & HORIZONTALLY AT 10FT. INTERVALS. FIRE-BLOCK AT SOFFITS, DROP CEILINGS/SIMILAR LOCATIONS & IN CONCEALED SPACES AT THE TOP/BOTTOM OF STAIR STRINGERS. (CRC R302.11) 	<p style="text-align: center;">ROOF NOTES</p> <ol style="list-style-type: none"> FLASHINGS SHALL BE INSTALLED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE MATERIALS AND AT INTERSECTIONS WITH PARAPET WALLS AND OTHER PENETRATIONS THROUGH THE ROOF PLANE. UNLESS ROOFS ARE SLOPED TO DRAIN OVER ROOF EDGES, ROOF DRAINS SHALL BE INSTALLED AT EACH LOW POINT OF ROOF. ROOF ASSEMBLIES SHALL BE OF MATERIALS THAT ARE COMPATIBLE WITH EACH OTHER AND WITH THE BUILDING OR STRUCTURE TO WHICH THE MATERIALS ARE APPLIED. BUILDING-INTEGRATED PHOTOVOLTAIC PRODUCTS INSTALLED AS THE ROOF COVERING SHALL BE TESTED, LISTED AND LABELED FOR FIRE CLASSIFICATION IN ACCORDANCE WITH SECTION R902.1 THROUGH R902.1.4. 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. 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. 	<p style="text-align: center;">GREEN BUILDING NOTES</p> <ol style="list-style-type: none"> PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL AND ARE NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION, ONE OR MORE OF THE FOLLOWING MEASURES SHALL BE IMPLEMENTED TO PREVENT FLOODING OF ADJACENT PROPERTY, PREVENT EROSION AND RETAIN SOIL RUNOFF ON THE SITE (CGBSC 4.106.2): <ul style="list-style-type: none"> RETENTION BASINS OF SUFFICIENT SIZE SHALL BE UTILIZED TO RETAIN STORM WATER ON SITE WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, COLLECTION POINT, GUTTER, OR SIMILAR DISPOSAL METHOD, WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER METHOD APPROVED BY THE ENFORCING AGENCY. ALL NEW RESIDENTIAL CONSTRUCTION WITH ATTACHED PRIVATE GARAGES SHALL HAVE THE FOLLOWING FOR ELECTRIC VEHICLE (EV) CHARGING STATIONS (CGBSC 4.106.4): <ul style="list-style-type: none"> INSTALL A MINIMUM 1-INCH CONDUIT CAPABLE OF SUPPLYING A 208/240V BRANCH CIRCUIT TO A SUITABLE BOX LOCATION FOR EV CHARGING. THE OTHER END SHALL TERMINATE TO THE MAIN SERVICE AND/OR SUBPANEL. THE MAIN PANEL AND/OR SUBPANEL SHALL BE OF SUFFICIENT SIZE TO INSTALL A 40-AMPERE DEDICATED BRANCH CIRCUIT. THE DEDICATED OVERCURRENT PROTECTION SPACE SHALL BE LABELED "EV CAPABLE". MULTIPLE SHOWER HEADS SERVING A SINGLE SHOWER SHALL HAVE A COMBINED FLOW RATE OF 1.8 GPM OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME. (CGBSC 4.303.1.3.2) AT TIME OF FINAL INSPECTION, A BUILDING OPERATION AND MAINTENANCE MANUAL, COMPACT DISC, ETC SHALL BE PROVIDED CONTAINING THE FOLLOWING: (CGBSC 4.410.1) <ul style="list-style-type: none"> DIRECTIONS THAT MANUAL SHALL REMAIN ONSITE FOR THE LIFE OF THE BUILDING OPERATION AND MAINTENANCE INSTRUCTIONS FOR EQUIPMENT, APPLIANCES, ROOF/YARD DRAIN- AGE, IRRIGATION SYSTEMS, ETC. INFORMATION FROM LOCAL UTILITY, WATER AND WASTE RECOVERY PROVIDERS PUBLIC TRANSPORTATION AND CARPOOL OPTIONS MATERIAL REGARDING IMPORTANCE OF KEEPING HUMIDITY LEVELS BETWEEN 30-60 PERCENT INFORMATION REGARDING ROUTINE MAINTENANCE PROCEDURES STATE SOLAR ENERGY INCENTIVE PROGRAM INFORMATION A COPY OF ANY REQUIRED SPECIAL INSPECTION VERIFICATIONS THAT WERE REQUIRED (IF ANY) THE PROJECT SHALL MEET MINIMUM POLLUTANT CONTROL REQUIREMENTS FOR ADHESIVES, SEAL-ANTS, CAULKS, PAINTS, CARPET, RESILIENT FLOORING SYSTEMS, ETC. (CGBSC 4.504.2.1) DUCT OPENINGS RELATED TO HVAC SYSTEMS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS TO REDUCE THE AMOUNT OF WATER, DUST AND DEBRIS WHICH MAY ENTER THE SYSTEM. (CGBSC 4.504.1) <p>INFORMATION IDENTIFYING THE LOCATION OF THE REINFORCEMENT SHALL BE PLACED IN THE OPERATIONS AND MAINTENANCE MANUAL. (CRC R327.1.1)</p> <p>* EFFECTIVE JULY 1ST, 2024, AT LEAST ONE BATHROOM AND ONE BEDROOM ON THE ENTRY LEVEL SHALL PROVIDE A DOORWAY WITH A NET CLEAR OPENING OF NOT LESS THAN 32 INCHES MEASURED WITH THE DOOR OPEN AT A 90-DEGREE ANGLE. (CRC R327.1.3)</p> <p>DOORBELL BUTTONS SHALL BE INSTALLED NOT MORE THAN 48" ABOVE THE FINISHED FLOOR MEASURED TO THE TOP OF THE BUTTON. (CRC R327.1.4)</p>	

project

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

revisions

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description

**General
Notes**

date ## Month 20##

project no. 20##-#_xxxxxx

drawn by xxx/xxx

sheet no. **G0.2**

PLUMBING / MECHANICAL NOTES	PLUMBING / MECHANICAL NOTES (CONT'D)	ELECTRICAL NOTES (CONTINUED)	ELECTRICAL NOTES (CONTINUED)	TITLE 24 ENERGY
<p>1. GAS VENTS PASSING THROUGH AN INSULATED ASSEMBLY SHALL HAVE A METAL INSULATION SHIELD A MINIMUM 2" ABOVE INSULATION. (CMC 802.6.1.1)</p> <p>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.)</p> <p>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)</p> <p>4. SUPPLY AND RETURN AIR DUCTS TO BE INSULATED AT A MIN. OF R-6. (CAL ENERGY CODE TABLE 150.1-A)</p> <p>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)</p> <p>6. ENVIRONMENTAL AIR DUCTS SHALL TERMINATE MIN. 3 FEET FROM PROPERTY LINE OR OPENINGS INTO BLDG., AND 10' FROM A FORCED AIR INLET, 3" TO OPENINGS INTO THE BUILDING AND SHALL NOT DISCHARGE ON TO A PUBLIC WAY. (CMC 502.2.1)</p> <p>7. ALL HOSE BIBS ARE TO HAVE VACUUM BREAKERS. (CPC603.5.7)</p> <p>8. THE MAX. AMOUNT OF WATER CLOSETS ON A 3" HORIZONTAL DRAINAGE SYSTEM LINE IS 3 (CPC TABLE 703.2)</p> <p>9. THE MAX. AMOUNT OF WATER CLOSETS ON A 3" VERTICAL DRAINAGE LINE IS 4. (CPC TABLE 703.2)</p> <p>10. A 3-INCH GRAVITY DRAIN SHALL BE PROVIDED AT THE LOW POINT OF THE SPACE, INSTALLED WHICH PROVIDES 1/4-INCH PER FOOT GRADE AND TERMINATE AT AN EXTERIOR POINT OF THE BUILDING PROTECTED FROM BLOCKAGE. THE OPENING SHALL BE SCREENED WITH A CORROSION-RESISTANT WIRE MESH WITH MESH OPENINGS OF 1/4-INCH IN DIMENSION. LENGTHS OF THE GRAVITY DRAINS OVER 10 FEET IN LENGTH SHALL BE FIRST APPROVED BY THE BUILDING OFFICIAL. (L-V 8.8)</p> <p>11. SHOW LOCATION AND SIZE OF THE WATER HEATER ON PLANS. PROVIDE PRESSURE RELIEF VALVE WITH DRAIN TO OUTSIDE FOR WATER HEATER. (CPC 504.6) PROVIDE SEISMIC STRAPPING IN THE UPPER & LOWER THIRD OF THE WATER HEATER A MINIMUM OF 4" ABOVE CONTROLS. (CPC 507.2) THE WATER HEATER SHALL BE OF AN INSTANTANEOUS TYPE, OR THE FOLLOWING SHALL BE PROVIDED (NEW CONSTRUCTION ONLY) (CEC 150.(N)):</p> <ul style="list-style-type: none"> A 120V RECEPTACLES PROVIDED WITHIN 3FT A CATEGORY III OR IV VENT, OR A STRAIGHT (WITHOUT BENDS) TYPE B VENT CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE WATER HEATER GAS SUPPLY LINE WITH A MINIMUM 200,000 BTU/HR DEDICATED CAPACITY FOR THE WATER HEATER A DEDICATED 120/240, 3 WIRE CIRCUIT WITH 10AWG WIRE TO A RECEPTACLE OUT-LET WITHIN 3' OF THE WATER HEATER. THE UNUSED CONDUCTOR SHALL BE ELECTRICALLY ISOLATED AND HAVE A RESERVED CIRCUIT BREAKER SPACE. BOTH ENDS OF THE CONDUCTOR SHALL BE LABELED "SPARE" AND BE ELECTRICALLY ISOLATED. A RESERVE SINGLE-POLE CIRCUIT BREAKER SPACE NEAR THIS CIRCUIT LABELED "FUTURE 240V USE." (CEC 150.0(N)) 	<p>26. KITCHEN SINKS REQUIRE A CLEANOUT ABOVE THE FLOOR LEVEL OF THE LOWEST FLOOR OF THE BUILDING.</p> <p>27. ABS PIPING SHALL NOT BE EXPOSED TO DIRECT SUNLIGHT UNLESS PROTECTED BY WATER BASED SYNTHETIC LATEX PAINTS. (CPC 906.1) PVC PIPING SHALL NOT BE EXPOSED TO DIRECT SUNLIGHT UNLESS PROTECTED BY WATER BASED SYNTHETIC LATEX PAINT, .04" THICK WRAP OR OTHERWISE PROTECTED FROM UV DEGRADATION. (CPC 605.12)</p> <p>28. UNDERGROUND WATER SUPPLY LINES SHALL HAVE A 14 AWG BLUE TRACER WIRE. (CPC 604.10.1)</p> <p>29. THE ENTIRE FLOOR SPACE IN A ROOM CONTAINING A SHOWER WITHOUT THRESHOLDS SHALL BE CONSIDERED A "WET LOCATION" WHEN USING THE CRC, CBC, AND THE CEC. (CPC 408.5)</p> <p>30. SHOWER COMPARTMENTS, REGARDLESS OF SHAPE, SHALL HAVE A MINIMUM FINISHED INTERIOR OF 1024 SQUARE INCHES (32" BY 32") AND SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30" CIRCLE. THE REQUIRED AREA AND DIMENSIONS SHALL BE MEASURED AT A HEIGHT EQUAL TO THE TOP OF THE THRESHOLD AND SHALL BE MAINTAINED TO A POINT OF NOT LESS THAN 70" ABOVE THE SHOWER DRAIN OUTLET. (CPC 408.6) PROVIDE CURTAIN ROD OR DOOR A MINIMUM OF 22" IN WIDTH. (CPC 408.5) SHOWERS AND TUBS WITH SHOWERS REQUIRE A NON- ABSORBENT SURFACE UP TO 6' ABOVE THE FLOOR. (CRC R307.2) MINIMUM SHOWER RECEPTOR SLOPE IS 1/8" PER FOOT. (408.5)</p> <p>31. ISOLATION WATER VALVES REQUIRED FOR INSTANTANEOUS WATER HEATERS 6.8KBTU/HR AND ABOVE. VALVES SHALL BE INSTALLED ON BOTH COLD AND HOT WATER LINES. EACH VALVE WILL NEED A HOSE BIB OR OTHER FITTING ALLOWING FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED. (CEC 110.3(C)6) 13. WATER CLOSET SHALL BE LOCATED IN A SPACE NOT LESS THAN 30" IN WIDTH (15" ON EACH SIDE) AND 24" MINIMUM CLEARANCE IN FRONT. (CPC 402.5)</p> <p>32. INDICATE ON THE PLANS THAT THE MAXIMUM HOT WATER TEMPERATURE DISCHARGING FROM A BATHTUB OR WHIRLPOOL BATHTUB FILLER SHALL NOT EXCEED 120 DEGREES F. (CPC 408.3.2)</p> <p>33. PROVIDE ANTI-SIPHON VALVES ON ALL HOSE BIBS. (CPC 603.5.7)</p> <p>34. FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER. (CPC 1007)</p> <p>35. CLEARLY LABEL ON THE PLANS THE MAXIMUM WATER FLOW RATES PER THE (CGBSC 4.303.1):</p> <ul style="list-style-type: none"> WATER CLOSETS: 1.28GPF URINALS: .125GPF KITCHEN FAUCETS: 1.8GPM @ 60PSI LAVATORY FAUCETS: 1.2GPM @ 60PSI <p>36. WATER CLOSET SHALL BE LOCATED IN A SPACE NOT LESS THAN 30" IN WIDTH (15" ON EACH SIDE) AND 24" MINIMUM CLEARANCE IN FRONT. (CPC 402.5)</p> <p>37. A MINIMUM 110 CFM HOOD OVER ELECTRICAL RANGE OR MINIMUM 180 CFM HOOD OVER NATURAL GAS RANGE INDOOR AIR QUALITY FAN IS REQUIRED IN THE KITCHEN AND SHALL BE HERS VERIFIED.</p>	<p>9. SMOKE ALARMS SHALL BE INSTALLED (CRC (R314.3): IN EACH ROOM USED FOR SLEEPING PURPOSES. OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF BEDROOMS. IN EACH STORY, INCLUDING BASEMENTS. AT THE TOP OF STAIRWAYS BETWEEN HABITABLE FLOORS WHERE AN INTERVENING DOOR OR OBSTRUCTION PREVENTS SMOKE FROM REACHING THE SMOKE DETECTOR. SHALL NOT BE INSTALLED WITHIN 20FT HORIZONTALLY OF COOKING APPLIANCES AND NO CLOSER THAN 3FT TO MECHANICAL REGISTERS, CEILING FANS AND BATHROOM DOORS WITH A BATHTUB OR SHOWER UNLESS THIS WOULD PREVENT PLACEMENT OF A SMOKE DETECTOR (314.3(4)). ALTERATIONS, REPAIRS, OR ADDITIONS EXCEEDING 1,000 DOLLARS. (MAY BE BATTERY OPERATED.) ALL SMOKE AND CARBON-MONOXIDE ALARMS SHALL BE HARDWIRED WITH A BATTERY BACKUP (SMOKE ALARMS SHALL HAVE A 10-YEAR SEALED BATTERY). (CRC R314.4 & R315.1) SMOKE DETECTORS WITHIN 10 FEET TO 20 FEET OF THE STOVE SHALL BE IONIZATION TYPE WITH ALARM SILENCING SWITCH. (CRC R314.3.3)</p> <p>10. CARBON-MONOXIDE ALARMS SHALL BE INSTALLED IN DWELLING UNITS WITH FUEL-BURNING APPLI- ANCES OR WITH ATTACHED GARAGES (CRC R315.3):</p> <ul style="list-style-type: none"> OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF BEDROOMS ON EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS <p>ALTERATIONS, REPAIRS, OR ADDITIONS EXCEEDING 1,000 DOLLARS (MAY BE BATTERY OPERATED)</p> <p>11. 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.</p> <p>12. ALL EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEMS. (CENC 150(K) 2B)</p> <p>13. 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)2I)</p> <p>14. LAUNDRY AREA SHALL AT LEAST 1-20 AMP DEDICATED BRANCH CIRCUIT (CEC 210.11(C)2)</p> <p>15. PROVIDE A DEDICATED CIRCUIT FOR THE A.C./FAU (CEC 422.12)</p> <p>16. A DEDICATED 125V, 20AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRICAL PANEL WITH A 220-240 VOLT 3 CONDUCTOR, 10 AWG COPPER BRANCH CIRCUIT, WITHIN 3 FEET FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS (CENC 150.0(N)1A) PER CEC 2022 150.0(N).1.A.: IF DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER HEATER, THEN THIS SPACE SHALL INCLUDE THE FOLLOWING: A DEDICATED 125 VOLT, 20 AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRIC PANEL WITH A 120/240 VOLT 3 CONDUCTOR, 10 AWG COPPER BRANCH CIRCUIT, WITHIN 3 FEET FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS; AND</p> <ul style="list-style-type: none"> 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. <p>17. ELECTRICAL RECEPTACLE OUTLETS, SWITCHES AND CONTROLS SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX OR LESS THAN 15-INCHES MEASURED FROM BOTTOM OF THE OUTLET BOX ABOVE THE FINISHED FLOOR (CRC R327.1.2)</p> <p>18. DOORBELL BUTTON MUST BE INSTALLED NO MORE THAN 48 INCHES FROM EXTERIOR FLOOR.</p> <p>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).</p> <p>20. NO ELECTRICAL PANELS IN CLOSETS OF BATHROOMS. MAINTAIN A CLEARANCE OF 36" INCHES IN FRONT OF PANELS, 30" WIDE OR WIDTH OF EQUIPMENT AND 6'-6" HIGH FOR HEADROOM. (CEC 110.26)</p> <p>21. PROVIDE A MINIMUM 3 LUG INTERSYSTEM BONDING BUSBAR AT THE MAIN ELECTRICAL SERVICE. (CEC 250.94)</p> <p>22. A CONCRETE-ENCASED ELECTRODE (UFER) CONSISTING OF 20' OF REBAR OR #4 COPPER WIRE PLACED IN THE BOTTOM OF A FOOTING IS REQUIRED FOR ALL NEW CONSTRUCTION. (CEC 250.52(A) (3)) BOND ALL METAL GAS AND WATER PIPES TO GROUND. ALL GROUND CLAMPS SHALL BE ACCESSIBLE AND OF AN APPROVED TYPE. (CEC 250.104)</p> <p>23. PROVIDE AT LEAST 1 OUTLET IN BASEMENTS, GARAGES, LAUNDRY ROOMS, DECKS, BALCONIES, PORCHES AND WITHIN 3' OF THE OUTSIDE OF EACH BATHROOM BASIN. (CEC 210.52 (D), (F) & (G))</p> <p>25. ALL DWELLINGS MUST HAVE ONE EXTERIOR OUTLET AT THE FRONT AND THE BACK OF THE DWELLING. (CEC 210.52(E))</p> <p>24. AT LEAST ONE WALL SWITCHED LIGHTING OUTLET OR FIXTURE SHALL BE INSTALLED IN EVERY HABITABLE ROOM, BATHROOM, HALLWAYS, STAIRWAYS, ATTACHED GARAGES AND DETACHED GARAGES WITH ELECTRICAL POWER, EQUIPMENT SPACES (ATTICS, BASEMENTS, ETC). (CEC 210.70)</p> <p>25. ALL 15/20 AMPERE RECEPTACLES IN WET LOCATIONS SHALL HAVE IN-USE (BUBBLE) COVERS IN- STALLED. ALL RECEPTACLES IN WET LOCATIONS SHALL ALSO BE LISTED WEATHER-RESISTANT TYPE. (CEC 406.9(B)11)</p>	<p>25. KITCHENS, DINING ROOMS, PANTRIES, BREAKFAST NOOKS, AND SIMILAR AREAS MUST HAVE A MINIMUM OF TWO 20A CIRCUITS. KITCHEN, PANTRY, BREAKFAST NOOKS, DINING ROOMS, WORK SURFACES AND SIMILAR AREAS COUNTER OUTLETS MUST BE INSTALLED IN EVERY COUNTER SPACE 12" INCHES OR WIDER, NOT GREATER THAN 4" O.C., WITHIN 24" INCHES OF THE END OF ANY COUNTER SPACE AND NOT HIGHER THAN 20" ABOVE COUNTER. (CEC 210.52 (C)) ISLAND COUNTER SPACES SHALL HAVE AT LEAST 1 RECEPTACLE OUTLET UNLESS A RANGE TOP OR SINK IS INSTALLED THAN 2 RECEPTACLES MAY BE REQUIRED. 1 RECEPTACLE IS REQUIRED FOR PENINSULAR COUNTER SPACES. RECEPTACLES SHALL BE LOCATED BEHIND KITCHEN SINKS IF THE COUNTER AREA DEPTH BEHIND THE SINK IS MORE THAN 12" FOR STRAIGHT COUNTERS AND 18" FOR CORNER INSTALLATIONS. (CEC FIGURE 210.52(C)1))</p> <p>26. RECEPTACLES SHALL NOT BE INSTALLED WITHIN OR DIRECTLY OVER A BATHTUB OR SHOWER STALL. (CEC 406.9(C) LIGHT PENDANTS, CEILING FANS, LIGHTING TRACKS, ETC SHALL NOT BE LOCATED WITHIN 3FT HORIZONTALLY AND 8FT VERTICALLY ABOVE A SHOWER AND/OR BATHTUB THRESHOLD. (CEC 410.10(D))</p> <p>27. ALL LIGHTING/FAN FIXTURES LOCATED IN WET OR DAMP LOCATIONS SHALL BE RATED FOR THE APPLI- CATION. (CEC 410.10)</p>	<p>1. ALL DUCTS IN CONDITIONED SPACES MUST INCLUDE R-4.2 INSULATION. (150.1(C)9) MINIMUM HEATING AND COOLING FILTER RATINGS SHALL BE MRV 13 (150.0(M)12)</p> <p>2. ISOLATION WATER VALVES REQUIRED FOR INSTANTANEOUS WATER HEATERS. SEE PLUMBING NOTE 31 ON THIS SHEET</p> <p>3. ENERGY STORAGE SYSTEM (ESS) READY.</p> <ul style="list-style-type: none"> ENERGY STORAGE SYSTEMS SHALL ONLY BE INSTALLED IN DETACHED GARAGES AND ACCESSORY STRUCTURES, ATTACHED GARAGES, OUTDOOR NOT LESS THAN 3' FROM DOOR AND WINDOWS AND ENCLOSED UTILITY CLOSETS, BASEMENTS, STORAGE OR UTILITY CLOSETS WITHIN DWELLING UNITS WITH FINISHED OR NONCOMBUSTIBLE WALLS AND CEILING. (CRC R328.4) INDIVIDUAL ESS UNITS SHALL HAVE A MAX RATING OF 20 KWH. THE AGGREGATE RATING OF THE ESS SHALL NOT EXCEED 40 KWH WITHIN UTILITY CLOSETS, BASEMENTS AND STORAGE OR UTILITY SPACES, 80 KWH IN ATTACHED OR DETACHED GARAGES OR DETACHED ACCESSORY STRUCTURES, 80 KWH ON EXTERIOR WALLS AND 80 KWH OUTDOORS ON THE GROUND. (CRC R328.5) ROOMS AND AREAS WITHIN STRUCTURES IN WHICH ESS ARE INSTALLED SHALL BE PROTECTED BY SMOKE ALARMS. A HEAT DETECTOR SHALL BE INSTALLED IN LOCATIONS WITHIN STRUCTURES WHERE SMOKE ALARMS CANNOT BE INSTALLED BASED ON THEIR LISTING. (CRC R328.7) ESS INSTALLED IN LOCATIONS SUBJECT TO VEHICLE DAMAGE SHALL BE PROVIDED WITH IMPACT PROTECTION. (CRC R328.8) SEE ELECTRIC READY NOTES ON THIS SHEET FOR ADDITIONAL REQUIREMENTS. <p>4. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS. SPACE SHALL BE RESERVED PER ELECTRIC READY NOTES ON THIS SHEET FOR REQUIREMENTS</p> <p>5. HEAT PUMP SPACE HEATER READY. SEE ELECTRIC READY NOTES ON THIS SHEET FOR REQUIREMENTS</p> <p>6. ELECTRIC COOKTOP READY. SEE ELECTRIC READY NOTES ON THIS SHEET FOR REQUIREMENTS</p> <p>7. ELECTRICAL CLOTHES DRYER READY. SEE ELECTRIC READY NOTES ON THIS SHEET FOR REQUIREMENTS</p> <p>8. ALL LUMINAIRES MUST BE HIGH EFFICACY (150.0(K)1A)</p> <ul style="list-style-type: none"> LUMINAIRES RECESSED IN INSULATED CEILINGS MUST MEET FIVE REQUIREMENTS (150.0(K) 1C): THEY MUST BE RATED FOR DIRECT INSULATION CONTACT (IC). THEY MUST BE CERTIFIED AS AIRTIGHT (AT) CONSTRUCTION. THEY MUST HAVE A SEALED GASKET OR CAULKING BETWEEN THE HOUSING AND CEILING TO PREVENT FLOW OF HEATED OR COOLED AIR OUT OF LIVING AREAS AND INTO THE CEILING CAVITY. THEY MAY NOT CONTAIN A SCREW BASE SOCKETS THEY SHALL CONTAIN A JAB COMPLIANT LIGHT SOURCE <p>9. IN BATHROOMS, GARAGES, WALK-IN CLOSET, LAUNDRY ROOMS, AND UTILITY ROOMS, AT LEAST ON LUMINAIRE IN EACH OF THESE SPACES SHALL BE CONTROLLED BY A VACANCY SENSOR OR OCCUPANT SENSOR PROVIDED THE OCCUPANT SENSOR IS INITIALLY PROGRAMMED LIKE A VACANCY SENSOR (MANUAL-ON OPERATION). (150.0(K)2I)</p> <p>10. LIGHTING IN HABITABLE SPACES, INCLUDING BUT NOT LIMITED TO LIVING ROOMS, DINING ROOMS, KITCHENS AND BEDROOMS, SHALL HAVE READILY ACCESSIBLE DIMMING CONTROLS. (CALIFORNIA ENERGY CODE 150(K) 2F)</p> <p>11. JOINT APPENDIX A (JA8) CERTIFIED LAMPS SHALL BE CONSIDERED HIGH EFFICACY. JA8 COMPLI- ANT LIGHT SOURCES SHALL BE CONTROLLED BY A VACANCY SENSOR OR DIMMER. (EXCEPTION: <70SF CLOSETS AND HALLWAY) (150.0(K)2K)</p> <p>12. UNDER-CABINET LIGHTING SHALL BE SWITCHED SEPARATELY FROM OTHER LIGHTING SYSTEMS. (150.0(K)2L)</p> <p>13. ALL EXTERIOR LIGHTING SHALL BE HIGH EFFICACY, BE CONTROLLED BY A MANUAL ON/OFF SWITCH AND HAVE ONE OF THE FOLLOWING CONTROLS (THE MANUAL SWITCH SHALL NOT OVERRIDE THE AUTOMATIC CONTROL DEVICE): (150.0(K)3A)</p> <ul style="list-style-type: none"> PHOTO-CONTROL AND MOTION SENSOR PHOTO-CONTROL AND AUTOMATIC TIME SWITCH CONTROL ASTRONOMICAL TIME CLOCK CONTROL TURNING LIGHTS OFF DURING THE DAY <p>ALL HIGH EFFICACY LIGHT FIXTURES SHALL BE CERTIFIED AS "HIGH-EFFICACY" LIGHT FIXTURES BY THE CALIFORNIA ENERGY COMMISSION.</p> <p>15. CONTRACTOR SHALL PROVIDE THE HOMEOWNER WITH A LUMINAIRE SCHEDULE GIVING THE LAMPS USED IN THE LUMINAIRES INSTALLED. (10-103(B))</p> <p>16. THE NUMBER OF BLANK ELECTRICAL BOXES MORE THAN 5 FEET ABOVE THE FINISHED FLOOR SHALL NOT BE GREATER THAN THE NUMBER OF BEDROOMS. THESE ELECTRICAL BOXES MUST BE SERVED BY A DIMMER, VACANCY SENSOR, OR FAN SPEED CONTROL. (150(K)1B)</p> <p>17. BUILDING SHALL MEET THE MINIMUM VENTILATION AND ACCEPTABLE INDOOR AIR QUALITY REQUIREMENTS PER ASHRAE STANDARD 62.2. AND IS SUBJECT TO HERS TESTING. THE FOLLOWING LABEL MUST BE ATTACHED TO THE FAN SWITCH: "TO MAINTAIN MINIMUM LEVELS OF OUTSIDE AIR VENTILATION REQUIRED FOR GOOD HEALTH, THE FAN CONTROL SHOULD BE ON AT ALL TIMES WHEN THE BUILDING IS OCCUPIED, UNLESS THERE IS SEVERE OUTDOOR AIR CONTAMINATION." (CALIFORNIA ENERGY CODE 150.0(O))</p>
<p style="text-align: center;">ELECTRIC READY NOTES: 2022 ENERGY EFFICIENCY STANDARDS 150.0</p>				<p>BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:</p> <ol style="list-style-type: none"> THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF PARADISE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS; DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 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. THE DESIGNS REPRESENTED BY THESE PLANS OR 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.
<p>(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:</p>				<p>1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED:</p> <ol style="list-style-type: none"> ESS READY INTERCONNECTION EQUIPMENT WITH A MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE FOLLOWING BRANCH CIRCUITS: REFRIGERATOR, LIGHTING CIRCUIT NEAR PRIMARY EGRESS DOOR, SLEEPING ROOM RECEPTACLE AND ONE ADDITIONAL 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." <p>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.</p> <p>3. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS.</p> <p>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.</p> <p>(T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:</p>
<p>1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED:</p> <ol style="list-style-type: none"> ESS READY INTERCONNECTION EQUIPMENT WITH A MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE FOLLOWING BRANCH CIRCUITS: REFRIGERATOR, LIGHTING CIRCUIT NEAR PRIMARY EGRESS DOOR, SLEEPING ROOM RECEPTACLE AND ONE ADDITIONAL 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." <p>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.</p> <p>3. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS.</p> <p>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.</p> <p>(T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:</p>				<p>1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED:</p> <ol style="list-style-type: none"> ESS READY INTERCONNECTION EQUIPMENT WITH A MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE FOLLOWING BRANCH CIRCUITS: REFRIGERATOR, LIGHTING CIRCUIT NEAR PRIMARY EGRESS DOOR, SLEEPING ROOM RECEPTACLE AND ONE ADDITIONAL 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." <p>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.</p> <p>3. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS.</p> <p>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.</p> <p>(T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:</p>
<p>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.</p> <p>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."</p> <p>(U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PROPANE COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:</p>				<p>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.</p> <p>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."</p> <p>(U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PROPANE COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:</p>
<p>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.</p> <p>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."</p> <p>(V) ELECTRIC CLOTHES DRYER READY. CLOTHES DRYER LOCATIONS WITH GAS OR PROPANE PLUMBING TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:</p>				<p>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.</p> <p>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."</p> <p>(V) ELECTRIC CLOTHES DRYER READY. CLOTHES DRYER LOCATIONS WITH GAS OR PROPANE PLUMBING TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:</p>
<p>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.</p> <p>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."</p>				<p>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.</p> <p>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."</p>
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WILDLAND-URBAN INTERFACE CONFORMANCE CHECKLIST FOR STICK BUILT HOMES	COOP	PARADISE MUNICIPAL CODE	FIRE SPRINKLER NOTES
	<p align="center">COOP</p> <p>PMC 8.58.060 DEFENSIBLE SPACE/HAZARDOUS FUEL MANAGEMENT REQUIREMENTS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Maintain immediately around and adjacent to any building or structure free of combustible materials. Only noncombustible material shall be allowed within five (5) feet of any building or structure. No vegetation shall exist within or overhang within five (5) feet of the structure. Any overhanging limbs or branches shall be removed. All exterior walls shall have a six (6) inch noncombustible vertical clearance from grade. <input type="checkbox"/> All unattached accessory structures and outbuildings shall be a minimum of ten (10) feet away from the primary dwelling. <input type="checkbox"/> Remove or prune flammable plants and shrubs near windows and under eave vents (a recommended no-planting zone). Combustible materials shall not be stored under decks and the area under decks shall be maintained free of vegetative material. Decks or porches four (4) feet or less above the grade shall be fully enclosed to reduce the accumulation of debris with noncombustible wall material. Noncombustible, corrosion-resistant mesh material with openings not to exceed one-eighth (1/8) inch may be used. <input type="checkbox"/> Fencing material constructed of combustible material shall not be within five (5) feet from any structure. All fencing shall be a single line; back-to-back fencing is not permitted in which fences are nominally parallel and spaced less than three (3) feet apart. <p>701A.5 and R337.1.5 VEGETATION MANAGEMENT COMPLIANCE Provide documentation (on plot plan, or landscape plan) of compliance with PRC 4291. We suggest scheduling design/pre-construction meeting with the Fire Marshal to review/clarify what their requirements will be for your particular parcel/project.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Plans shall specify and demonstrate requirement to maintain fire break: <input type="checkbox"/> Remove and clear away all flammable vegetation or combustible growth for 30' from each side of building. <input type="checkbox"/> Remove any tree limbs within 10 feet of chimney outlet. <input type="checkbox"/> Eliminate any dead wood from trees overhanging building. Maintain the roof to be free of leaves, needles or dead vegetation. <input type="checkbox"/> Inspection and written approval by the Fire Marshal shall be obtained prior to final of the building permit (Fire Marshall to sign inspection card). <p>705A and R323.5 ROOFING / 705A.2, R337.5.2 Roof Coverings: Is space proposed between the roof covering and roof decking? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, the spaces shall be constructed to prevent the intrusion of flames and embers, and be fire stopped with approved materials, or have one layer of No. 72 ASTM cap sheet installed over the combustible decking. Provide detail for method of compliance, incorporate into plans and provide reference to detail location: DETAILS 1,2,3,5,6,7 ON A5.2</p> <p>705A.4, R337.5.4 Roof gutters: <input checked="" type="checkbox"/> Roof gutters of a non-combustible material shall be provided with the means to prevent the accumulation of leaves and debris in the gutter. Indicate where specification has been incorporated into drawings; KEY NOTE ON ROOF PLAN</p> <p>706A.1 and R337.6.3 VENTS 706A.3 Eave or Cornice Vents shall not be installed on the underside of eaves and cornices, unless they resist the intrusion of flame and burning embers into the attic area of the structure. -If vented roof system is proposed: <input type="checkbox"/> Plans shall define and detail how attic and/or rafter bays will be vented, i.e. gable end vents, eave vents, ridge vent(s). <input checked="" type="checkbox"/> Detail/indicate how proposed eave/cornice vents will resist the intrusion of flame and embers into attic/rafter bay area of the structure. VULCAN TECHNOLOGIES - USE VE/VER (RECTANGULAR OR CIRCULAR)</p> <p>707A and R337.7.3 EXTERIOR COVERINGS 707A.3, R337.7.3 Exterior walls: Exterior wall coverings or wall assemblies shall comply with one of the following: Check all that apply. <input checked="" type="checkbox"/> Standard SFM 12-7A-1 (specify product Company Name, Description, Test Protocol and Flame Spread). JAMES HARDIE BUILDING PRODUCTS - CEMPANEL. Listed in SFM Handbook? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (provide test data) <input checked="" type="checkbox"/> One layer of 5/8" Type X gypsum sheathing applied behind the exterior covering or cladding on the exterior side of the framing</p> <p>707A.3.1, R337.7.3.1 EXTERIOR WALL COVERING Exterior wall covering shall extend from the top of the foundation to the roof and terminate at 2-inch nominal solid wood blocking between rafters at all roof overhangs, or in the case of enclosed eaves, terminate at the enclosure. <input checked="" type="checkbox"/> Specify where notation has been detailed/noted on plans: DETAILS 1,2,3,5,6,7 ON A5.2</p> <p>707A.4, R337.7.4 Open roof eaves (Solid wood rafter tails on the exposed underside of open roof eaves having a min. nominal dimension of 2", solid wood blocking installed between rafter tails on the exposed underside of open roof eaves having a minimum nominal dimension of 2", gable end overhangs and roof assembly projections beyond an exterior wall other than at the lower end of the rafter tails, fascia and other architectural trim boards are exempt from requirements). Proposing open roof eaves? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, identify roof eave compliance method. The exposed roof deck on the underside of unenclosed roof eaves shall consist of the following: Check all that apply. <input checked="" type="checkbox"/> One layer of 5/8" Type X gypsum sheathing applied behind an exterior covering on the underside exterior of the roof deck</p> <p>707A.6, R337.7.6 Exterior porch ceilings (Except architectural trim boards) The exposed underside of exterior porch ceilings shall be protected by one of the following: <input type="checkbox"/> Noncombustible material <input type="checkbox"/> Ignition-resistant material <input checked="" type="checkbox"/> One layer of 5/8" Type X gypsum sheathing applied behind the exterior covering on the underside of the ceiling.</p> <p>708A and R337.8 EXTERIOR WINDOWS AND DOORS Exterior windows; exterior glazed doors; glazed openings within exterior doors; glazed openings within exterior garage doors; exterior structural glass veneer. 708A.2.1, R337.8.2.1 Exterior windows and exterior glazed door assemblies: Exterior windows and exterior glazed door assemblies shall comply with one of the following: <input checked="" type="checkbox"/> Constructed of multi-pane glazing with a minimum of one tempered pane meeting the requirements of CBC 2406.</p> <p>708A.3, R337.8.3 Exterior doors: Exterior doors shall comply with one of the following: <input checked="" type="checkbox"/> Exterior surface or cladding shall be of noncombustible or ignition-resistant material, or</p> <p>708A.3.1, R337.8.3.1 Exterior door glazing: Glazing in exterior doors shall comply with Sections 708A.2.1 and R337.8.2.1.</p>	<p>1.THE ENTIRE ROOF COVERING OF EVERY NEW STRUCTURE SHALL BE A MINIMUM CLASS "A" ROOF COVERING. [PMC 15.02.230]</p> <p>2.(EXISTING) ANY ROOF COVERING MATERIAL APPLIED IN THE ALTERATION, REPAIR OR REPLACEMENT OF THE ROOF OF THE EXISTING STRUCTURE SHALL BE A MINIMUM OF A CLASS "A" ROOF COVERING. THE ENTIRE ROOF COVERING OF EVERY EXISTING STRUCTURE WHERE MORE THAN 50 PERCENT OF THE TOTAL ROOF AREA IS REPLACED WITHIN A ONE-YEAR PERIOD SHALL BE A MINIMUM OF A CLASS "A" ROOF COVERING. [PMC 15.03.080]</p> <p>3.ONE EXTERIOR APPROVED AUDIBLE SPRINKLER WATER FLOW ALARM DEVICE SHALL BE CONNECTED TO EVERY AUTOMATIC FIRE SPRINKLER SYSTEM IN AN APPROVED LOCATION. SUCH DEVICE SHALL BE ACTIVATED BY WATER FLOW EQUIVALENT TO THE FLOW OF A SINGLE SPRINKLER OF THE SMALLEST ORIFICE SIZE INSTALLED IN THE SYSTEM. [PMC 15.03.060]</p> <p>4. FOR THE PURPOSES OF ENFORCING THE PROVISIONS OF THE CALIFORNIA FIRE CODE, CALIFORNIA BUILDING CODE, AND THE CALIFORNIA RESIDENTIAL BUILDING CODE, ANY WORK, ADDITION TO, REMODEL, REPAIR, RENOVATION, OR ALTERATION OF ANY BUILDING(S) OR STRUCTURE(S) SHALL BE CONSIDERED "NEW CONSTRUCTION" WHEN 50 PERCENT OR MORE OF THE EXTERIOR WEIGHT BEARING WALLS ARE REMOVED OR DEMOLISHED. [PMC 15.03.050]</p> <p>5.(ACCESS ROADS) FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET, EXCLUSIVE OF SHOULDERS, EXCEPT FOR APPROVED SECURITY GATES IN ACCORDANCE WITH SECTION (CFC 503.6), AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES. EXCEPTION: RESIDENTIAL DRIVEWAYS SHALL COMPLY WITH TOWN OF PARADISE ROAD STANDARDS. [PMC 15.09.120] FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOAD OF FIRE APPARATUS AT 75,000 POUNDS AND SHALL BE SURFACED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES. [PMC 15.09.130] ROADWAY DESIGN FEATURES (SPEED BUMPS, SPEED HUMPS, SPEED CONTROL DIPS, ETC.) WHICH MAY INTERFERE WITH EMERGENCY APPARATUS RESPONSES SHALL NOT BE INSTALLED ON FIRE APPARATUS ACCESS ROADWAYS. [PMC 15.09.140]</p> <p>6.(SLOPES) BERMS, SWALES OR OTHER DEVICES SHALL BE PROVIDED AT THE TOP OF CUT OR FILL SLOPES TO PREVENT SURFACE WATERS FROM OVERFLOWING ONTO AND DAMAGING THE FACE OF THE SLOPE. GUTTERS OR OTHER SPECIAL DRAINAGE CONTROLS SHALL BE PROVIDED WHERE THE PROXIMITY OF RUNOFF FROM BUILDINGS OR OTHER STRUCTURES IS SUCH AS TO POSE A POTENTIAL HAZARD TO SLOPE INTEGRITY. [PMC 15.02.210]</p> <p>7. BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIED AS GROUP U OCCUPANCY AND NOT EXCEEDING 120 SQUARE FEET IN FLOOR AREA, WHEN LOCATED AT LEAST 50 FEET FROM AN APPLICABLE BUILDING (AS WRITTEN IN CURRENT CODE). [PMC 15.03.070] (CRC 337.1.3)</p> <p>8.BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIED AS GROUP U OCCUPANCY EXCEEDING 120 SQUARE FEET IN SIZE, BASED ON THE EXTERIOR MEASUREMENTS OF THE STRUCTURE, SHALL COMPLY WITH SECTION R337 AND WILDLAND URBAN INTERFACE REQUIREMENTS. [PMC 15.03.070]</p> <p>9.ROOF GUTTERS OF A NON-COMBUSTIBLE MATERIAL SHALL BE PROVIDED WITH MEANS OF PREVENTING ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER. [PMC 15.03.070] (R337.5.4)</p> <p>10. APPLICABILITY. THE USE OF ANY SITE STRUCTURE COMPOSED OF RAILROAD TIE MATERIAL (OR SIMILAR MATERIAL TREATED WITH CREOSOTE AND/OR FLAMMABLE FLUID/LIQUID) SHALL BE UNLAWFUL AND PROHIBITED [PMC17.06.960]</p> <p>11. DEFENSIBLE SPACE/HAZARDOUS FUELS REDUCTION REQUIREMENTS MAINTAIN IMMEDIATELY AROUND AND ADJACENT TO ANY BUILDING OR STRUCTURE FREE OF COMBUSTIBLE MATERIALS SUCH AS FIREWOOD, LUMBER AND RUBBISH. COMBUSTIBLE MATERIALS SHALL NOT BE STORED UNDER DECKS AND THE AREA UNDER DECKS SHALL BE MAINTAINED TO BE FREE OF VEGETATIVE MATERIAL. DECKS OR PORCHES FOUR (4) FEET OR LESS ABOVE THE GRADE SHALL BE FULLY ENCLOSED TO REDUCE THE ACCUMULATION OF DEBRIS WITH NONCOMBUSTIBLE WALL MATERIAL. NONCOMBUSTIBLE, CORROSION-RESISTANT MESH MATERIAL WITH OPENINGS NOT TO EXCEED 1/8" INCH MAY BE USED. FENCING MATERIAL CONSTRUCTED OF COMBUSTIBLE MATERIAL MUST REMAIN 5 FEET AWAY FROM ANY BUILDING OR STRUCTURE. ONLY NONCOMBUSTIBLE MATERIAL SHALL BE ALLOWED WITHIN FIVE (5) FEET OF ANY BUILDING OR STRUCTURE. NO VEGETATION SHALL EXIST WITHIN OR OVERHANG WITHIN 5 FT OF THE STRUCTURE. ANY OVERHANGING LIMBS OR BRANCHES SHALL BE REMOVED. ALL EXTERIOR WALLS SHALL HAVE A SIX-INCH NONCOMBUSTIBLE VERTICAL CLEARANCE FROM GRADE. ALL UNATTACHED ACCESSORY STRUCTURES AND OUTBUILDINGS SHALL BE A MINIMUM OF TEN (10) FEET AWAY FROM THE PRIMARY DWELLING. CLEAN ROOFS AND GUTTERS OF DEAD LEAVES, DEBRIS AND PINE NEEDLES. IN ADDITION TO THE MANAGEMENT OF COMBUSTIBLE MATERIAL AROUND A STRUCTURE OR BUILDING THE FOLLOWING SHALL BE ACCOMPLISHED: 1) REPLACE OR REPAIR ANY LOOSE OR MISSING SHINGLES OR ROOF TILES TO PREVENT EMBER PENETRATION. 2) PROVIDE AND MAINTAIN A SCREEN OVER THE OUTLET OF EVERY CHIMNEY OR STOVEPIPE THAT IS ATTACHED TO ANY FIREPLACE, STOVE, OR OTHER DEVICE THAT BURNS ANY SOLID OR LIQUID FUEL. THE SCREEN SHALL BE CONSTRUCTED OF NONFLAMMABLE MATERIAL WITH OPENINGS OF NOT MORE THAN 1/2 INCH. [PMC 8.58.060]</p>	<p>1. IF FIRE SPRINKLERS ARE REQUIRED AT PROPOSED ADU THEN THE FOLLOWING NOTES APPLY.</p> <p>2. AUTOMATIC FIRE SPRINKLER SYSTEM - AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AS PER NFPA 13D THE MOST CURRENT EDITION. DETAILED SPRINKLER PLANS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED PRIOR TO INSTALLATION.</p> <p>3. SECTION 903.2.1 GROUP R AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 9033 SHALL BE PROVIDED THROUGHOUT ALL BUILDINGS WITH A GROUP R FIRE AREA. THIS INCLUDES SINGLE FAMILY DWELLINGS, MULTI-FAMILY DWELLINGS AND ALL RESIDENTIAL CARE FACILITIES REGARDLESS OF OCCUPANT LOAD.</p> <p>4. SECTION 903.2.1.1 ADDITIONS AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH 903.3 MAY BE REQUIRED TO BE INSTALLED THROUGHOUT STRUCTURES WHEN THE ADDITION IS MORE THAN 50% OF THE EXISTING BUILDING OR WHEN THE ALTERED BUILDING WILL EXCEED A FIRE FLOW OF 1,500 GALLONS PER MINUTE AS CALCULATED PER SECTION 507.3. THE FIRE CODE OFFICIAL MAY REQUIRE AN AUTOMATIC SPRINKLER SYSTEM BE INSTALLED IN BUILDINGS WHERE NO WATER MAIN EXISTS TO PROVIDE THE REQUIRED FIRE FLOW OR WHERE A SPECIAL HAZARD EXISTS SUCH AS: POOR ACCESS ROADS, GRADE, BLUFFS AND CANYON RIMS, HAZARDOUS BRUSH AND RESPONSE TIMES GREATER THAN 5 MINUTES BY A FIRE DEPARTMENT.</p> <p>5. SECTION 903.2.1.2 REMODELS OR RECONSTRUCTION AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3 MAY BE REQUIRED IF THE SCOPE OF WORK INCLUDES SIGNIFICANT MODIFICATION TO THE INTERIOR AND/OR ROOF OF THE BUILDING, AND THE COST OF THE INSTALLATION DOES NOT EXCEED 15 PERCENT OF THE CONSTRUCTION COSTS OF THE REMODEL.</p> <p>6. LOCATION AND SIZE OF WATER SERVICE UNDERGROUND SHALL BE INSTALLED AS SHOWN ON APPROVED FIRE SPRINKLER PLANS. A MINIMUM 1 INCH WATER SHALL BE INSTALLED.</p> <p>7. A FIRE UNDERGROUND FLUSH CERTIFICATION SHALL BE REQUIRED AT FINAL INSPECTION.</p> <p>8. A HYDRO INSPECTION OF THE FIRE SPRINKLER SYSTEM IS REQUIRED PRIOR TO FRAME INSPECTION. ONLY THE NEW PIPING SHALL BE TESTED.</p> <p>WILDLAND URBAN INTERFACE (WUI) NOTES</p> <p>1. EXTERIOR WALL COVERINGS SHALL BE NONCOMBUSTIBLE, IGNITION RESISTANT, HEAVY TIMBER, LOG WALL OR FIRE RESISTIVE CONSTRUCTION. (CRC R337.7)</p> <p>2. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE FOUNDATION TO THE ROOF AND TERMINATE AT 2-INCH NOMINAL SOLID BLOCKING BETWEEN RAFTERS AND OVERHANGS. (CRC R337.7.3.1)</p> <p>3. OPEN/ENCLOSED ROOF EAVES AND SOFFITS, EXTERIOR PORCH CEILINGS, FLOOR PROJECTIONS, UN- DER-FLOOR AREAS AND UNDERSIDES OF APPENDAGES TO COMPLY WITH IGNITION RESISTANT CON- STRUCTION REQUIREMENTS. (CRC R337.5-9)</p> <p>4. SPACES CREATED BETWEEN ROOF COVERINGS AND ROOF DECKING SHALL BE FIRE STOPPED BY APPROVED MATERIALS OR HAVE ONE LAYER OF MINIMUM 72LB MINERAL SURFACED NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909. (CRC R337.5.2)</p> <p>5. INDICATE ON THE PLANS WHERE VALLEY FLASHING IS INSTALLED, THE FLASHING SHALL BE NOT LESS THAN 26AWG AND INSTALLED OVER NOT LESS THAN ONE LAYER OF MINIMUM 72LB MINERAL SURFACED NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 AND AT LEAST 36 INCHES WIDE RUNNING THE FULL LENGTH. (CRC R337.5.3)</p> <p>6. ALL VENTILATION OPENINGS FOR ENCLOSED ATTICS, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, AND UNDERFLOOR VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDLAND FLAME AND EMBER RESISTANT (WUI) VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS LISTED TO ASTM E2886. (CRC R337.6)</p> <p>7. INDICATE ON PLANS EXTERIOR GLAZING SHALL HAVE A MINIMUM OF ONE-TEMPERED PANE, GLASS BLOCK, HAVE A FIRE RESISTIVE RATING OF 20 MINUTES OR BE TESTED TO MEET PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2. (CRC R337.8.2.1)</p> <p>8. OPERABLE SKYLIGHTS SHALL BE PROTECTED BY A NONCOMBUSTIBLE MESH SCREEN 1/8" MAX OPENINGS (R337.8.2.2)</p> <p>9. EXTERIOR DOORS INCLUDING GARAGE DOORS SHALL BE NONCOMBUSTIBLE, IGNITION RESISTANT MATERIAL. MINIMUM 1 3/8 INCH SOLID CORE, MINIMUM 20 MINUTE FIRE RESISTIVE RATING OR SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1. (CRC R337.8.3)</p> <p>10. GARAGE DOOR PERIMETER GAP MAXIMUM 1/8". METAL FLASHING, JAMB AND HEADER OVERLAP, AND WEATHER-STRIPPING MEETING SECTION REQUIREMENTS ARE PERMITTED. (R337.8.4)</p> <p>11. THE WALKING SURFACE MATERIAL OF DECKS, PORCHES, BALCONIES AND STAIRS WITHIN 10FT OF GRADE LEVEL SHALL BE IGNITION RESISTANT MATERIAL. EXTERIOR FIRE-RETARDANT TREATED WOOD OR NONCOMBUSTIBLE MATERIAL. (CRC R337.9.2)</p> <p>12. ROOF COVERING SHALL COMPLY WITH 2022 CRC R337.5.2.UNDERLAYMENT SHALL BE ONE LAYER OF OF MINIMUM 72 POUND MINERAL-SURFACED ON PERFORATED CAP SHEET COMPLYING WITH ASTM D3909 INSTALLED OVER THE COMBUSTIBLE DECKING.</p> <p>13. ROOF GUTTERS SHALL COMPLY WITH 2022 CRC R337.5.4. ROOF GUTTERS SHALL BE PROVIDE WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER</p>

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:
1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF PARADISE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS; DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL.
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4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

Town of Paradise
Pre-Approved
ADU Program

revisions



description

General
Notes

date ## Month 20##

project no. 20##_xxxxxx

drawn by xxx/xxx

sheet no. **G0.4**

OSFM LISTED WILDLAND URBAN INTERFACE (WUI) PRODUCTS AND ASSEMBLIES

BARN	CRAFTSMAN	RANCH	COOP
<p align="center">ROOF</p> <p>Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180)</p> <p>LISTING No. 8180-2299:0501 CATEGORY: 8180 -- NON-WOOD ROOF COVERING/ASSEMBLIES FOR WILDLAND URBAN INTERFACE (W.U.I) LISTEE: Metal Sales Manufacturing Corporation 545 South 3rd Street, Suite 200, Louisville, KY 40202 Contact: David Stermer (502) 855-4342 Fax (502) 855-4242 Email: dstermer@metalsales.us.com Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System Deck: 5:12 Slope Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fastened with 2" nails, 8" OC spacing. Nominal 1/2" Densdeck installed per manufacturer's instructions for joints (staggered from sheathing) fastened with 8 -2" nails per 4x8' sheet. Underlayment: Titanium UDL 30® stapled to face with 3" overlap. Roof Covering: Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System with rib/joint placed 6" from OSB joint fastened with #10-12 (1") pancake head wood screws in the nail strip. Refer to listee's data sheet for additional detailed product description. RATING: Class A</p>	<p align="center">ROOF</p> <p>Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180)</p> <p>LISTING No. 8180-2299:0501 CATEGORY: 8180 -- NON-WOOD ROOF COVERING/ASSEMBLIES FOR WILDLAND URBAN INTERFACE (W.U.I) LISTEE: Metal Sales Manufacturing Corporation 545 South 3rd Street, Suite 200, Louisville, KY 40202 Contact: David Stermer (502) 855-4342 Fax (502) 855-4242 Email: dstermer@metalsales.us.com Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System Deck: 5:12 Slope Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fastened with 2" nails, 8" OC spacing. Nominal 1/2" Densdeck installed per manufacturer's instructions for joints (staggered from sheathing) fastened with 8 -2" nails per 4x8' sheet. Underlayment: Titanium UDL 30® stapled to face with 3" overlap. Roof Covering: Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System with rib/joint placed 6" from OSB joint fastened with #10-12 (1") pancake head wood screws in the nail strip. Refer to listee's data sheet for additional detailed product description. RATING: Class A</p>	<p align="center">ROOF</p> <p>Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180)</p> <p>LISTING No. 8180-2299:0501 CATEGORY: 8180 -- NON-WOOD ROOF COVERING/ASSEMBLIES FOR WILDLAND URBAN INTERFACE (W.U.I) LISTEE: Metal Sales Manufacturing Corporation 545 South 3rd Street, Suite 200, Louisville, KY 40202 Contact: David Stermer (502) 855-4342 Fax (502) 855-4242 Email: dstermer@metalsales.us.com Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System Deck: 5:12 Slope Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fastened with 2" nails, 8" OC spacing. Nominal 1/2" Densdeck installed per manufacturer's instructions for joints (staggered from sheathing) fastened with 8 -2" nails per 4x8' sheet. Underlayment: Titanium UDL 30® stapled to face with 3" overlap. Roof Covering: Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System with rib/joint placed 6" from OSB joint fastened with #10-12 (1") pancake head wood screws in the nail strip. Refer to listee's data sheet for additional detailed product description. RATING: Class A</p>	<p align="center">ROOF</p> <p>Non-Wood Roof Covering/Assemblies for WUI (ASTM E 108, SFM Listing Category 8180)</p> <p>LISTING No. 8180-2299:0501 CATEGORY: 8180 -- NON-WOOD ROOF COVERING/ASSEMBLIES FOR WILDLAND URBAN INTERFACE (W.U.I) LISTEE: Metal Sales Manufacturing Corporation 545 South 3rd Street, Suite 200, Louisville, KY 40202 Contact: David Stermer (502) 855-4342 Fax (502) 855-4242 Email: dstermer@metalsales.us.com Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System Deck: 5:12 Slope Nominal 7/16" OSB sheathing. Max. 1/8" gap in all joints fastened with 2" nails, 8" OC spacing. Nominal 1/2" Densdeck installed per manufacturer's instructions for joints (staggered from sheathing) fastened with 8 -2" nails per 4x8' sheet. Underlayment: Titanium UDL 30® stapled to face with 3" overlap. Roof Covering: Metal Sales Image II™ 16" wide 26 GA Standing Seam Metal Roof System with rib/joint placed 6" from OSB joint fastened with #10-12 (1") pancake head wood screws in the nail strip. Refer to listee's data sheet for additional detailed product description. RATING: Class A</p>
<p align="center">UNDER EAVE</p> <p>(SFM Standard 12-7A-3, SFM Listing Category 8160)</p> <p>LISTING No. 8160-2026:0006 CATEGORY: 8160 -- UNDER EAVE FOR WILDLAND URBAN INTERFACE (W.U.I.) LISTEE: JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Email: rathisha.sabaratnam@jhresearchusa.com DESIGN: "CemSoffit®" un-vented, fiber-cement soffit, 3/16" thick and ¼" thick, under eave material. Refer to the manufacturer's installation instructions and product data sheets. RATING: Noncombustible</p>	<p align="center">VENTS</p> <p>(ASTM E 2886/2886M, E 2912, SFM Listing Category 8165)</p> <p>LISTING No. 8165-2192:0500 CATEGORY: 8165 -- VENTS FOR WILDLAND URBAN INTERFACE (W.U.I.) LISTEE: Vulcan Technologies8 Commercial Blvd, Suite E, Novato, CA 94949 Contact: Larry Dumm (916) 626-2400 Fax (916) 647-0477 Email: Larry@newcalmetals.com DESIGN: Models VER2, VER2M, VER3, VER3M, VER4, VER4M, and VER6M Vulcan Eave Round Vents. Products are in sizes 2", 3", 4", or 6" diameter opening with a 1/4" flange, and a depth of 3/4". The vents are manufactured out of 0.020" aluminum incorporating a 5mm hexagonal aluminum matrix core made of 0.05mm aluminum foil with an intumescent coating underneath the louver cap. Models with "M" contain a stainless steel, type 304 woven, 1/16" opening mesh screen, installed between the louvers and the honeycomb core. Refer to manufacturer's installation instructions and product data sheets. RATING: Tested in accordance with ASTM E2886</p>	<p align="center">VENTS</p> <p>(ASTM E 2886/2886M, E 2912, SFM Listing Category 8165)</p> <p>LISTING No. 8165-2192:0500 CATEGORY: 8165 -- VENTS FOR WILDLAND URBAN INTERFACE (W.U.I.) LISTEE: Vulcan Technologies8 Commercial Blvd, Suite E, Novato, CA 94949 Contact: Larry Dumm (916) 626-2400 Fax (916) 647-0477 Email: Larry@newcalmetals.com DESIGN: Models VER2, VER2M, VER3, VER3M, VER4, VER4M, and VER6M Vulcan Eave Round Vents. Products are in sizes 2", 3", 4", or 6" diameter opening with a 1/4" flange, and a depth of 3/4". The vents are manufactured out of 0.020" aluminum incorporating a 5mm hexagonal aluminum matrix core made of 0.05mm aluminum foil with an intumescent coating underneath the louver cap. Models with "M" contain a stainless steel, type 304 woven, 1/16" opening mesh screen, installed between the louvers and the honeycomb core. Refer to manufacturer's installation instructions and product data sheets. RATING: Tested in accordance with ASTM E2886</p>	<p align="center">VENTS</p> <p>(ASTM E 2886/2886M, E 2912, SFM Listing Category 8165)</p> <p>LISTING No. 8165-2192:0500 CATEGORY: 8165 -- VENTS FOR WILDLAND URBAN INTERFACE (W.U.I.) LISTEE: Vulcan Technologies8 Commercial Blvd, Suite E, Novato, CA 94949 Contact: Larry Dumm (916) 626-2400 Fax (916) 647-0477 Email: Larry@newcalmetals.com DESIGN: Models VER2, VER2M, VER3, VER3M, VER4, VER4M, and VER6M Vulcan Eave Round Vents. Products are in sizes 2", 3", 4", or 6" diameter opening with a 1/4" flange, and a depth of 3/4". The vents are manufactured out of 0.020" aluminum incorporating a 5mm hexagonal aluminum matrix core made of 0.05mm aluminum foil with an intumescent coating underneath the louver cap. Models with "M" contain a stainless steel, type 304 woven, 1/16" opening mesh screen, installed between the louvers and the honeycomb core. Refer to manufacturer's installation instructions and product data sheets. RATING: Tested in accordance with ASTM E2886</p>
<p align="center">EXTERIOR WALL SIDING</p> <p>(SFM Standard 12-7A-1, SFM Listing Category 8140)</p> <p>CATEGORY: 8140 -- EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I) JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Email: rathisha.sabaratnam@jhresearchusa.com</p> <p>LISTING No. 8140-2026:0003 DESIGN: "Cempanel®" vertical siding, fiber-cement, 5/16" thick. Refer to the manufacturer's installation instructions and product data sheets.</p>	<p align="center">UNDER EAVE</p> <p>(SFM Standard 12-7A-3, SFM Listing Category 8160)</p> <p>LISTING No. 8160-2026:0006 CATEGORY: 8160 -- UNDER EAVE FOR WILDLAND URBAN INTERFACE (W.U.I.) LISTEE: JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Email: rathisha.sabaratnam@jhresearchusa.com DESIGN: "CemSoffit®" un-vented, fiber-cement soffit, 3/16" thick and ¼" thick, under eave material. Refer to the manufacturer's installation instructions and product data sheets. RATING: Noncombustible</p>	<p align="center">UNDER EAVE</p> <p>(SFM Standard 12-7A-3, SFM Listing Category 8160)</p> <p>LISTING No. 8160-2026:0006 CATEGORY: 8160 -- UNDER EAVE FOR WILDLAND URBAN INTERFACE (W.U.I.) LISTEE: JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Email: rathisha.sabaratnam@jhresearchusa.com DESIGN: "CemSoffit®" un-vented, fiber-cement soffit, 3/16" thick and ¼" thick, under eave material. Refer to the manufacturer's installation instructions and product data sheets. RATING: Noncombustible</p>	<p align="center">UNDER EAVE</p> <p>(SFM Standard 12-7A-3, SFM Listing Category 8160)</p> <p>LISTING No. 8160-2026:0006 CATEGORY: 8160 -- UNDER EAVE FOR WILDLAND URBAN INTERFACE (W.U.I.) LISTEE: JAMES HARDIE BUILDING PRODUCTS, INC. 10901 Elm Avenue, Fontana, CA 92337 Contact: Rathisha Sabaratnam (909) 641-0498 Fax (909) 427-0634 Email: rathisha.sabaratnam@jhresearchusa.com DESIGN: "CemSoffit®" un-vented, fiber-cement soffit, 3/16" thick and ¼" thick, under eave material. Refer to the manufacturer's installation instructions and product data sheets. RATING: Noncombustible</p>
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<p align="center">DESIGN PATH STUDIO architecture + planning DESIGNPATHSTUDIO.COM</p> <p>BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE TOWN OF PARADISE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF PARADISE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS; DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THEREFROM IN 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.</p> <p>project</p> <p>Town of Paradise Pre-Approved ADU Program</p> <p>revisions</p> <p>△ △ △ △ △</p> <p>description</p> <p>Wildland Urban Interface Products</p> <p>date ## Month 20##</p> <p>project no. 20##_xxxxx</p> <p>drawn by xxx/xxx</p> <p>sheet no. G0.5</p>
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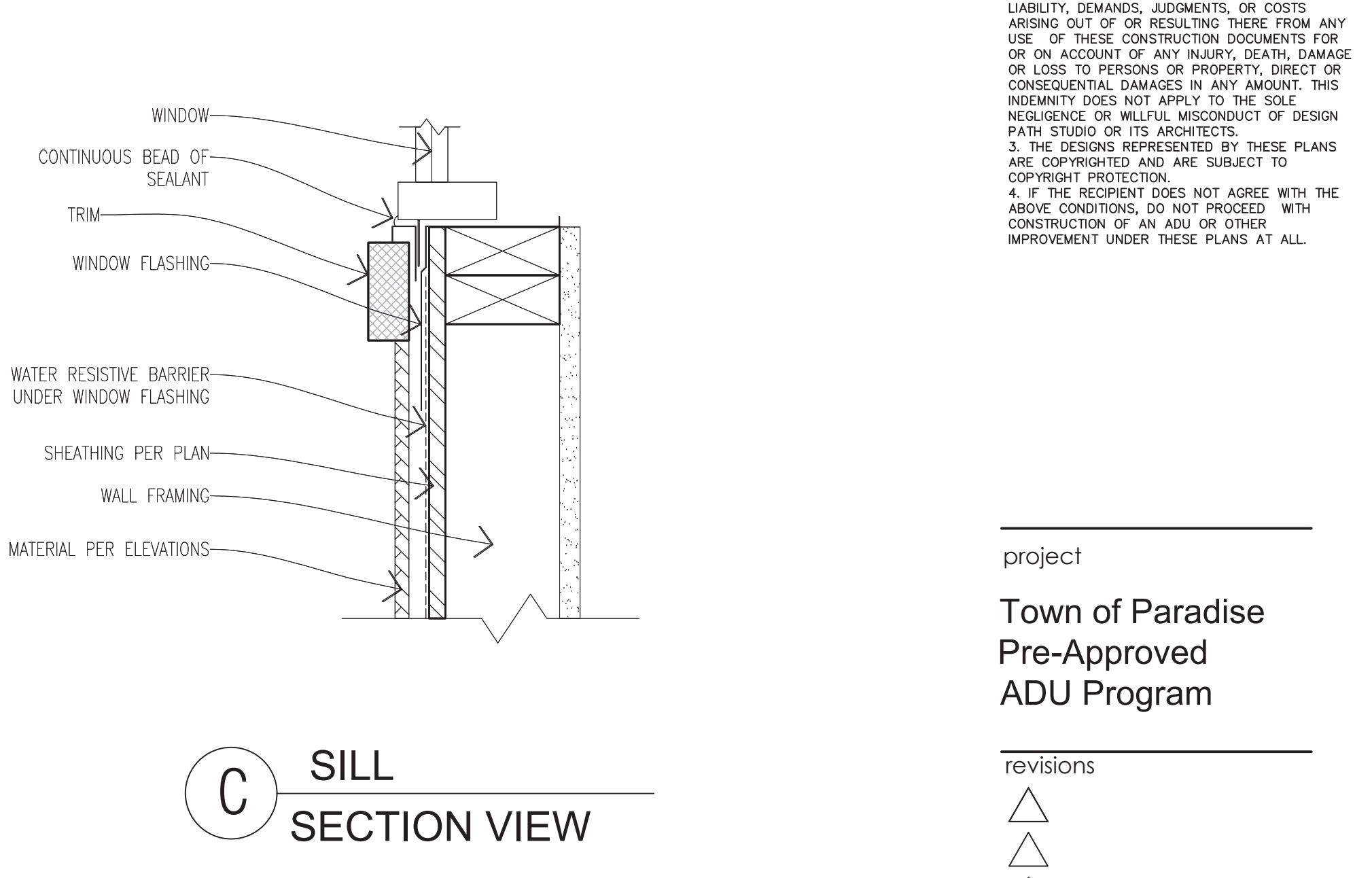
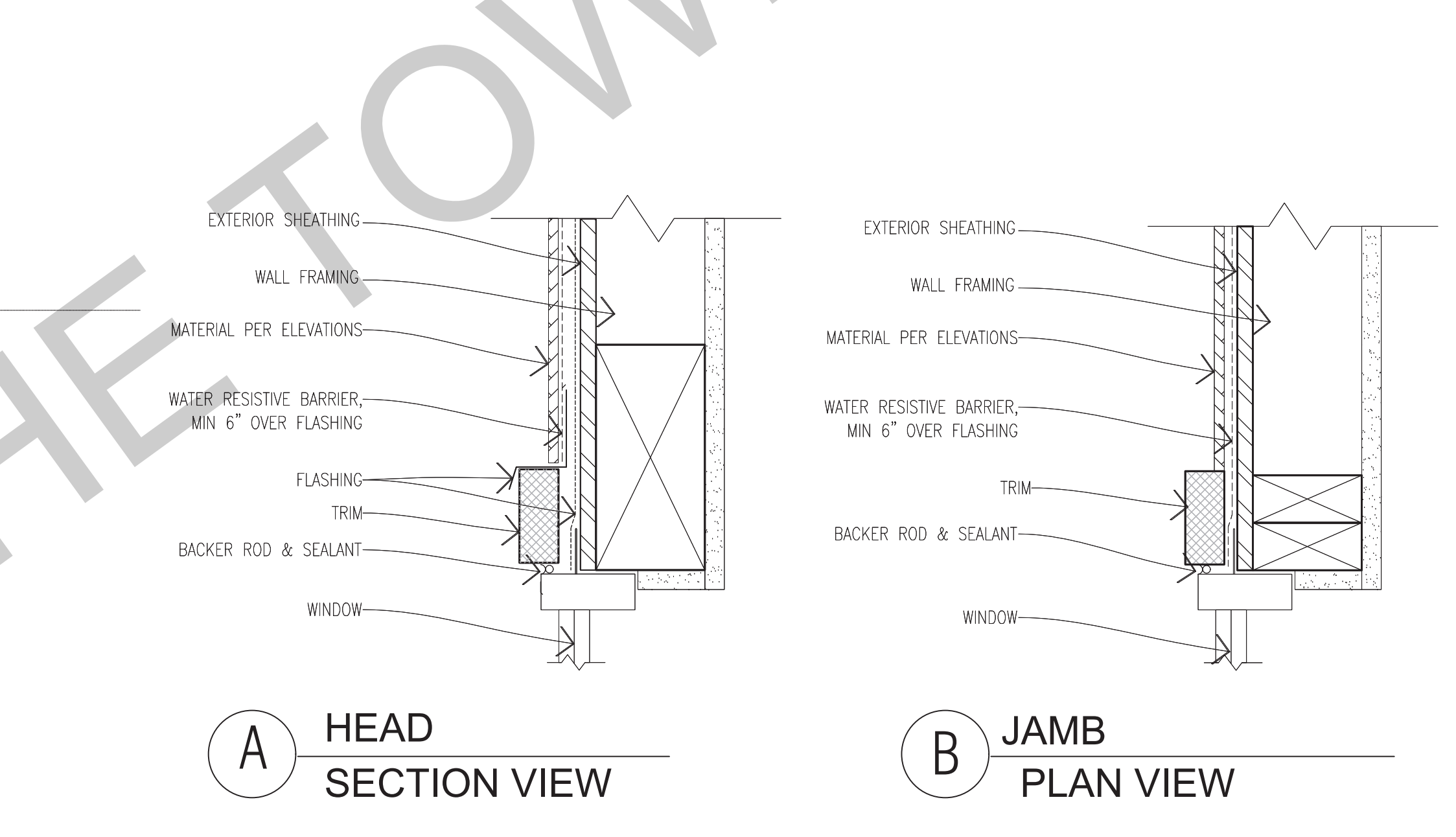
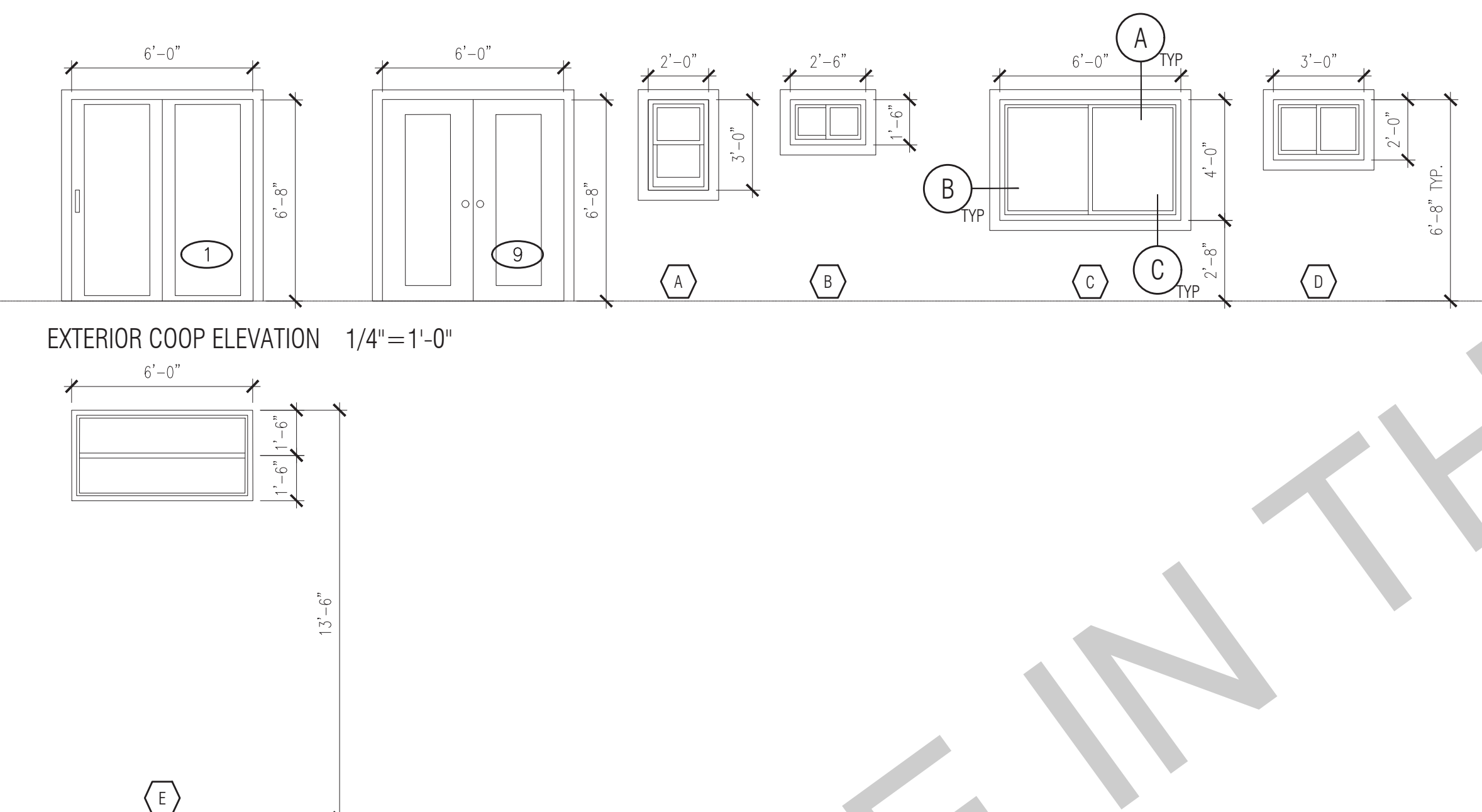
FOR USE ONLY

WINDOW SCHEDULE								
WINDOW	WINDOW SIZE		OPER.	QNTY	FRAME	HEAD HEIGHT	LOCATION	REMARKS
	WIDTH	HEIGHT						
A	2'-0"	3'-0"	SINGLE HUNG	3	VINYL	6'-8"	BEDROOM #1 & KITCHEN	TEMPERED
B	2'-6"	1'-6"	SLIDER	1	VINYL	6'-8"	BATHROOM	TEMPERED
C	6'-0"	4'-0"	SLIDER	2	VINYL	6'-8"	OPTIONAL BEDROOM & LIVING AREA	NOTE 7 PER PLAN, TEMP.
D	3'-0"	2'-0"	SLIDER	1	VINYL	6'-8"	HALLWAY	TEMPERED
E	6'-0"	3'-0"	FIXED	1	VINYL	13'-6"	CLERESTORY WINDOW AT KITCHEN/LIVING	TEMPERED

- ### 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. CBC SECTIONS 1203.4 AND 1205.1 AND R303
 - THE MINIMUM NET GLAZED AREA FOR NATURAL LIGHT SHALL NOT BE LESS THAN 8% OF THE FLOOR AREA OF THE ROOM SERVED. CBC SECTION 1205.2
 - THE MINIMUM OPENABLE AREA TO THE OUTDOORS FOR NATURAL VENTILATION SHALL BE 4% OF THE FLOOR AREA BEING VENTILATED. SECTION 1203.4
 - EXTERIOR WINDOWS, WINDOW WALLS, GLAZED DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE
 - FIRE-RESISTANCE RATED GLAZING TESTED AS PART OF A FIRE-RESISTANCE-RATED WALL ASSEMBLY IN ACCORDANCE WITH ASTM E 119 OR UL 263 TO BE CONSTRUCTED PER NOTE #13
 - THE FOLLOWING WINDOWS SHALL BE FULLY TEMPERED: (CRC R308.4)
 - SLIDING/SWINGING GLASS DOORS
 - GLAZING IN WALLS AND ENCLOSURES FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND SWIMMING POOLS WHERE THE GLAZING IS LESS THAN 60 INCHES ABOVE THE 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 9SQ.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
 - 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 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.

DOOR SCHEDULE									
DOOR	DOOR TYPE	DOOR SIZE			CORE	MATERIAL	FRAME	LOCATION	REMARKS
		WIDTH	HEIGHT	THICK.					
1	SLIDING DOOR	6'-0"	6'-8"	1-3/4"	GL	VNL/GLASS	VINYL	BEDROOM PORCH ENTRY	
2	SINGLE DOOR	2'-6"	6'-8"	1-3/4"	HLW	WOOD	WD	WALK-IN CLOSET	
3	SINGLE DOOR	2'-6"	6'-8"	1-3/4"	HLW	WOOD	WD	OPTIONAL BATH ENTRY	
4	SINGLE DOOR	3'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	BEDROOM ENTRY	
5	SINGLE DOOR	3'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	BATH ENTRY	
6	CLOSET DOOR	6'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	MECHANICAL CLOSET	LOUVERED
7	SINGLE DOOR	3'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	OPTIONAL BEDROOM	
8	CLOSET DOOR	9'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	OPTIONAL BEDROOM	
9	FRENCH DOOR	6'-0"	6'-8"	1-3/4"	GL	VNL/GLASS	VINYL	FRONT ENTRY	

- ### 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 9SQ.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
 - 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
 - THE 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 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.



A HEAD SECTION VIEW **B** JAMB PLAN VIEW **C** SILL SECTION VIEW

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

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WILD FIRE PREPARED HOME STANDARDS ROOF NOTES:

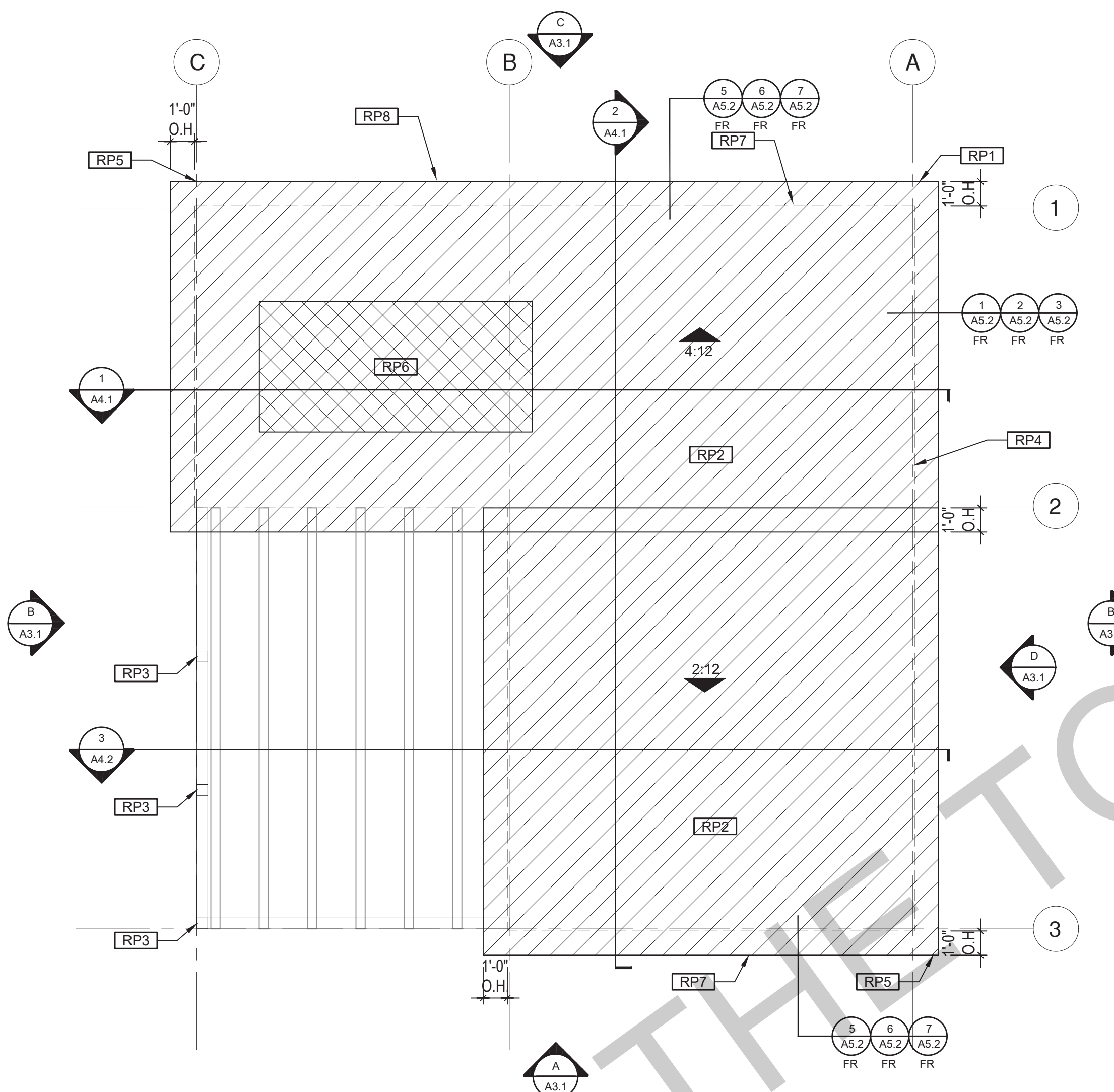
Roofs:
The roof must be Class A fire-resistant rated and kept clear of debris. Several roofing materials have been tested as a roofing system to meet the ASTM E108 or UL 790 Class A requirements, including but not limited to the following:
• Asphalt shingles
• Concrete, brick, or masonry tiles with bird stops to reduce debris accumulation
• Metal shingles or sheets

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

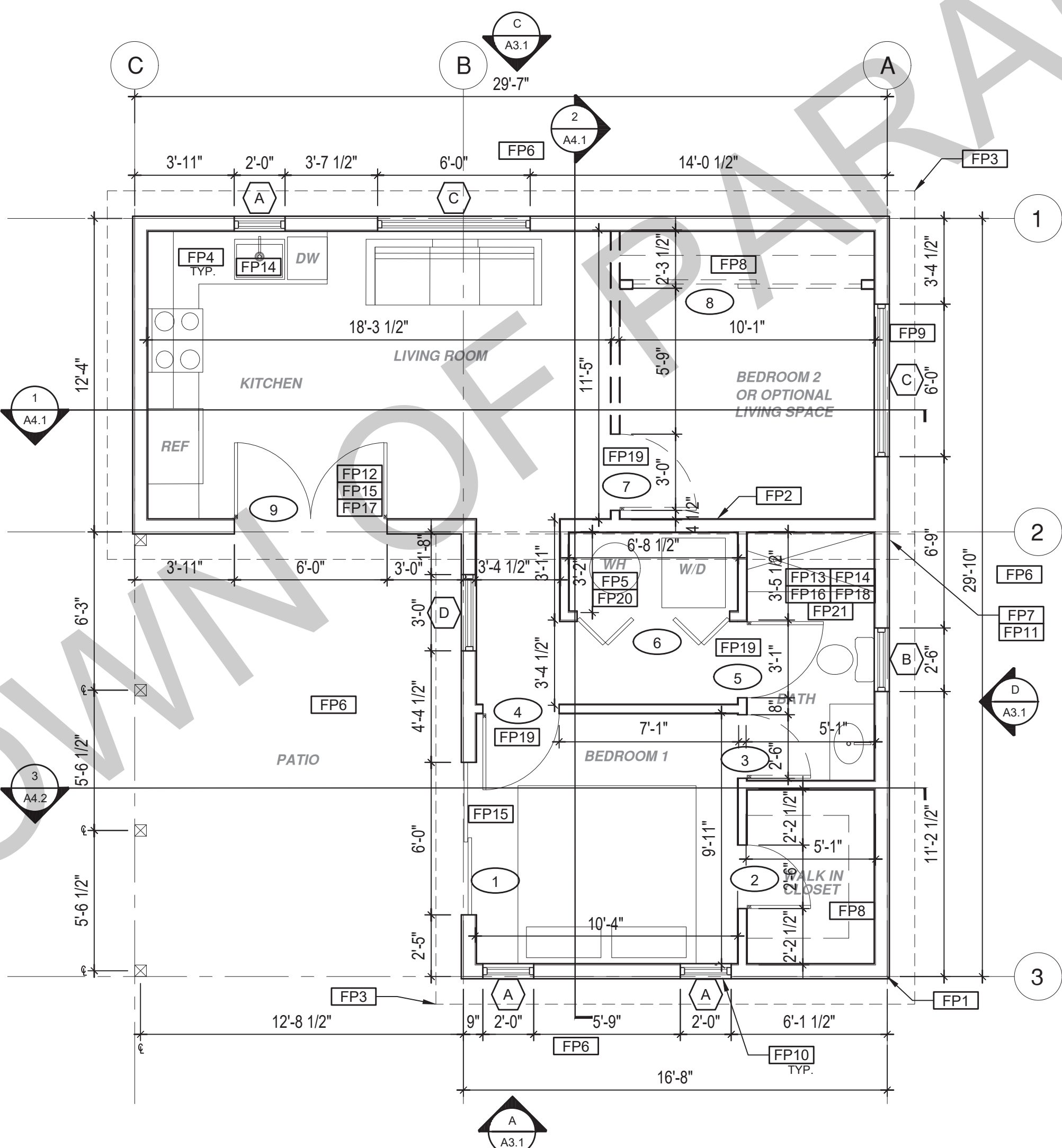
Building Features:
Vents:
Ventilation openings for enclosed attics, gable ends, ridge ends, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters, underfloor ventilation, foundations, and crawl spaces; under eaves and cornices; or for any other opening intended to permit ventilation, either in a horizontal or vertical surface, must resist the intrusion of burning embers and flames by meeting one of the following requirements:
• Performance: Corrosion-resistant vents conforming with the following ASTM E2886 test requirements:
• No flaming ignition of the cotton material during the Ember Intrusion Test.
• No flaming ignition during the Integrity Test portion of the Flame Intrusion Test.
• Temperature of the unexposed side of the vent does not exceed 662°F.
• Prescriptive: Vents must be made of a noncombustible material and covered with noncombustible, corrosion-resistant mesh with openings not to exceed 1/8 inch.
• Exceptions:
• Dryer vents must have a louver or flap in lieu of mesh.
• Plumbing vents are excluded from these requirements.

Eaves & Soffits:
In addition to the requirement for vent openings at eaves and soffits listed above, eaves and soffits must be enclosed or protected on the exposed underside by one of the following:
• Noncombustible materials
• Ignition-resistant materials
• Materials approved for not less than 1-hour fire-resistance-rated construction
2-inch nominal dimension lumber

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



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



FLOOR PLAN
1/4"=1'-0" 667 SQ. FT. COOP

WILD FIRE PREPARED HOME STANDARDS FLOOR PLAN NOTES:

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

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

- Must be clear of debris.
- Must have no woody vegetation (trees, shrubs). No more than 10 potted plants that should not exceed 36 inches in height and width, including the noncombustible planter, are permitted.
- Must have only noncombustible or ignition-resistant items (such as cast aluminum furniture) on top of the deck or porch. A small number of combustible items that can be easily removed and stored when necessary (chair cushions, door mats, etc.) are permitted.
- Must have no vegetation of any kind (trees, bushes, shrubs, plants, grass, weeds, etc.) underneath. Noncombustible ground cover or bare earth are permitted.
- Must have nothing stored underneath.
- Must have 5 feet of defensible space (as part of the 5-foot Home Ignition Zone required for the home, described below).

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

- Install noncombustible, corrosion-resistant mesh material with openings not to exceed 1/8 inch around the outer edge of the deck from the walking surface to the ground to prevent ember intrusion. If a material (e.g., lattice) is installed over the mesh, it needs to be noncombustible.
 - Fully enclose with a noncombustible wall covering/cladding.
- For decks with an additional structure (like a pergola or gazebo), that additional structure must be constructed of noncombustible materials and shall not have a solid cover (noncombustible slats that cover no more than 10% total of the surface area where a roof cover would be acceptable) and be free from any vegetation and curtains/drapes/screens.

Detached decks must meet the same requirements as attached decks.

Exterior Walls Covering/Cladding:
Wall coverings/claddings must be a noncombustible or ignition-resistant material, such as:
• Metal siding
• Fiber-cement siding
• Masonry veneer
• Stucco
• Shutters must be made of noncombustible materials

Exterior Glass (Windows, Skylights & Glass within Doors):
All exterior windows, skylights, and glazed openings within doors must comply with one of the following requirements:
• Multipaned glass with a tempered outer pane
• Glass with a minimum of 20-minutes fire-resistance rating when tested in accordance with NFPA 257
• Glass blocks (windows only)

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

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

ROOF KEYNOTES	
RP1	LINE OF ROOF OVERHANG
RP2	CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 AND WUI SPEC ON G0.5
RP3	SUPPORT POST BELOW
RP4	LINE OF WALLS BELOW
RP5	ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS
RP6	DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET
RP7	WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILING ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6.1 THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THROUGH THE VENTILATION OPENINGS. (R337.6.1) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS: i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST. ii. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. iii. THE MAX. TEMP. OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662° (350°C). (R337.6.2)
RP8	ROOF GUTTERS OF A NON-COMBUSTIBLE MATERIAL SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

FLOOR PLAN KEYNOTES	
FP1	STUD WALL SIZED PER STRUCTURAL
FP2	2X6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING
FP3	LINE OF OVERHANG ABOVE
FP4	36" HIGH COUNTER
FP5	WATER HEATER
FP6	SLOPE SURFACE AWAY FROM BUILDING
FP7	WUI COMPLIANT DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING
FP8	CLOSET SHELF AND POLE
FP9	EMERGENCY EGRESS WINDOW
FP10	WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS
FP11	VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION
FP12	MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-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
FP13	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 80" 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.
FP14	PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 1101.3(c), ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER-CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION
FP15	LANDING OR FLOOR REQUIRED AT EACH SIDE OF EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN THE DOOR SERVED AND HAVE A MIN 36 INCH DEPTH MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 1/2" 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 7/8" FOR DOORS THAT DO NOT SWING OUTWARD.
FP16	WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R307.2
FP17	DOOR BELL BUTTON TO BE NO MORE THAN 48" ABOVE EXTERIOR FLOOR OR LANDING
FP18	WATER CLOSET AND SHOWER TO HAVE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO 38.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL NOTE R33 ON SHEET G0.2 FOR FURTHER INFORMATION
FP19	DOOR TO HAVE A NET CLEAR OPENING OF 32"
FP20	DESIGNATED 2'-6" x 2'-6" x 7' TALL MINIMUM AREA FOR FUTURE INSTALLATION OF A HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(n)
FP21	FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

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

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

SOLAR READY NOTES	
SOLAR READY ROOF AREA: MIN DIMENSION > 5FT. MIN. SF > 80SF. PER CALIFORNIA ENERGY CODE SECTION 110.10(b)	
THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, AND SPACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED BY LOCAL JURISDICTION	
SINGLE FAMILY RESIDENCE, THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN 2650SQFT.	
FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.	

VENTING CALCULATIONS	
ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA.	
ENCLOSED RAFTER AREA: 667 SF.	
VENTILATION AREA REQUIRED: 667 SF / 150SF = 4.45 SF.	
CONVERT TO SQ. IN: 4.45 SF x 144 = 640 SQ. IN.	
MINIMUM VENTILATION AREA REQUIRED: 640 SQ. IN.	
VENTS ARE TO BE MANUFACTURED BY VULCAN AND WUI COMPLIANT. STANDARD OR ROUND BOTH ARE ACCEPTABLE METHODS TO ACHIEVE MIN. AREA	

LEGEND			
	SECTION CUT		KEYNOTE
	ELEVATION CALLOUT		DOOR SYMBOL
	DETAIL DRAWING REF.		WINDOW SYMBOL
	WALL BELOW OR ROOF ABOVE		CEILING HEIGHTS
	SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2		VAULTED CEILING
	ROOFING		ROOF SLOPE

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WILD FIRE PREPARED HOME STANDARDS ROOF NOTES:

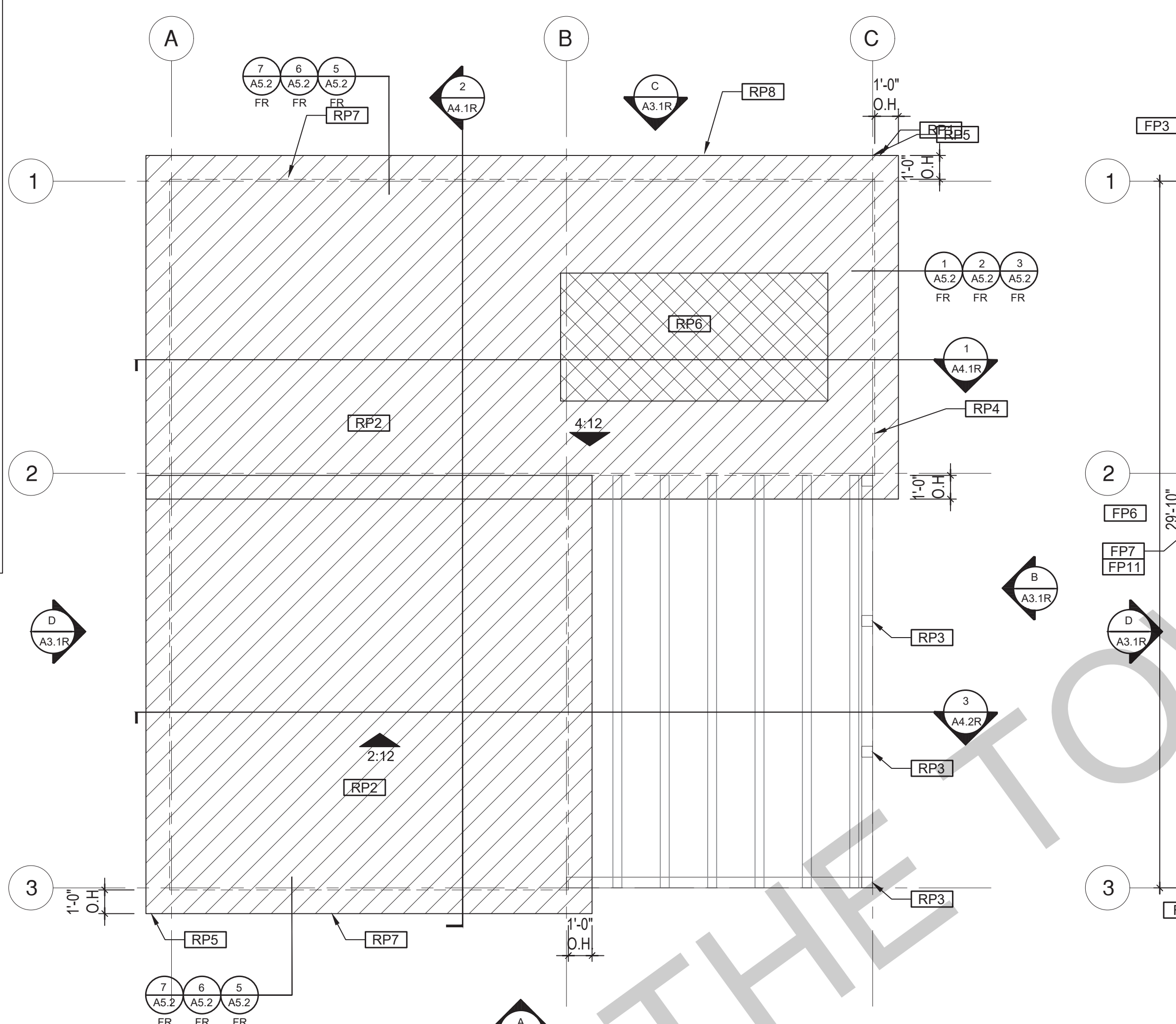
Roofs:
The roof must be Class A fire-resistant rated and kept clear of debris. Several roofing materials have been tested as a roofing system to meet the ASTM E108 or UL 790 Class A requirements, including but not limited to the following:
• Asphalt shingles
• Concrete, brick, or masonry tiles with bird stops to reduce debris accumulation
• Metal shingles or sheets

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

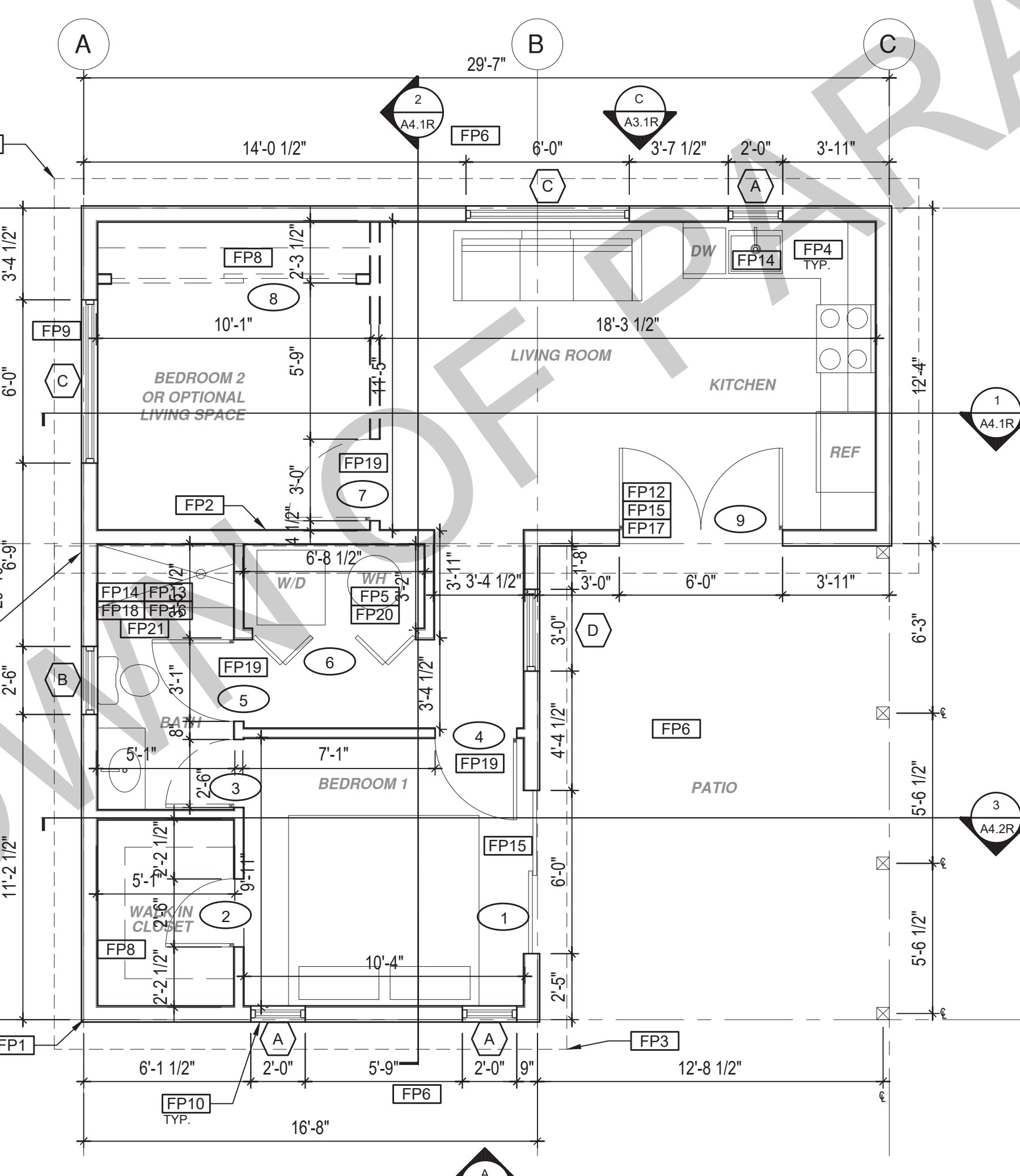
Building Features:
Ventilation openings for enclosed attics, gable ends, ridge ends, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters, underfloor ventilation, foundations, and crawl spaces; under eaves and cornices; or for any other opening intended to permit ventilation, either in a horizontal or vertical surface, must resist the intrusion of burning embers and flames by meeting one of the following requirements:
• Performance: Corrosion-resistant vents conforming with the following ASTM E2886 test requirements:
• No flaming ignition of the cotton material during the Ember Intrusion Test.
• No flaming ignition during the Integrity Test portion of the Flame Intrusion Test.
• Temperature of the unexposed side of the vent does not exceed 562°F.
• Prescriptive: Vents must be made of a noncombustible material and covered with noncombustible, corrosion-resistant mesh with openings not to exceed 1/8 inch.
• Exceptions:
• Dryer vents must have a louver or flap in lieu of mesh.
• Plumbing vents are excluded from these requirements.

Eaves & Soffits:
In addition to the requirement for vent openings at eaves and soffits listed above, eaves and soffits must be enclosed or protected on the exposed underside by one of the following:
• Noncombustible materials
• Ignition-resistant materials
• Materials approved for not less than 1-hour fire-resistance-rated construction
2-inch nominal dimension lumber

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



ROOF PLAN
1/4"=1'-0" COOP (REVERSE)



FLOOR PLAN
1/4"=1'-0" 667 SQ. FT. COOP (REVERSE)

WILD FIRE PREPARED HOME STANDARDS FLOOR PLAN NOTES:

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

Decks or Covered Porches:
Decks or covered porches, which are included in the building footprint as illustrated in Figure 2, must meet and maintain monthly the following requirements:
• Must be clear of debris.
• Must have no woody vegetation (trees, shrubs). No more than 10 potted plants that should not exceed 36 inches in height and width, including the noncombustible planter, are permitted.
• Must have only noncombustible or ignition-resistant items (such as cast aluminum furniture) on top of the deck or porch. A small number of combustible items that can be easily removed and stored when necessary (chair cushions, door mats, etc.) are permitted.
• Must have no vegetation of any kind (trees, bushes, shrubs, plants, grass, weeds, etc.) underneath. Noncombustible ground cover or bare earth are permitted.
• Must have nothing stored underneath.
• Must have 5 feet of defensible space (as part of the 5-foot Home Ignition Zone required for the home, described below).

Additionally, for decks or porches 4 feet or less above the ground (when measured nominally from the walking surface to the ground at the location where this distance is maximum), the underdeck area must be enclosed to reduce the accumulation of debris using one of the following methods:
• Install noncombustible, corrosion-resistant mesh material with openings not to exceed 1/8 inch around the outer edge of the deck from the walking surface to the ground to prevent ember intrusion. If a material (e.g., lattice) is installed over the mesh, it needs to be noncombustible.
• Fully enclose with a noncombustible wall covering/cladding.
For decks with an additional structure (like a pergola or gazebo), that additional structure must be constructed of noncombustible materials and shall not have a solid cover (noncombustible slats that cover no more than 10% total of the surface area where a roof cover would be acceptable) and be free from any vegetation and curtains/drapes/screens.

Detached decks must meet the same requirements as attached decks.

Exterior Walls Covering/Cladding:
Wall coverings/claddings must be a noncombustible or ignition-resistant material, such as:
• Metal siding
• Fiber-cement siding
• Masonry veneer
• Stucco
• Shutters must be made of noncombustible materials

Exterior Glass (Windows, Skylights & Glass within Doors):
All exterior windows, skylights, and glazed openings within doors must comply with one of the following requirements:
• Multipaned glass with a tempered outer pane
• Glass with a minimum of 20-minutes fire-resistance rating when tested in accordance with NFPA 257
• Glass blocks (windows only)

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

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

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ROOF KEYNOTES	
RP1	LINE OF ROOF OVERHANG
RP2	CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 AND WUI SPEC ON G0.5
RP3	SUPPORT POST BELOW
RP4	LINE OF WALLS BELOW
RP5	ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS
RP6	DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET
RP7	WHERE PROVIDED, VENTILATION OPENINGS FOR ENCLOSED ATTICS, GABLE ENDS, RIDGE ENDS, UNDER EAVES AND CORNICES, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILING ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION, FOUNDATIONS AND CRAWL SPACES, OR ANY OTHER OPENING INTENDED TO PERMIT VENTILATION, EITHER IN A HORIZONTAL OR VERTICAL PLANE, SHALL BE IN ACCORDANCE WITH SECTION 1202 OF THE CBC AND SECTIONS R337.6.1 THRU R337.6.2 TO RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THRU THE VENTILATION OPENINGS. (R337.6.1) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME AND EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS: i. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST. ii. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST. iii. THE MAX. TEMP. OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 862° (350°C). (R337.6.2)
RP8	ROOF GUTTERS OF A NON-COMBUSTIBLE MATERIAL SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

FLOOR PLAN KEYNOTES	
FP1	STUD WALL SIZED PER STRUCTURAL
FP2	2x6 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING
FP3	LINE OF OVERHANG ABOVE
FP4	36" HIGH COUNTER
FP5	WATER HEATER
FP6	SLOPE SURFACE AWAY FROM BUILDING
FP7	WUI COMPLIANT DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING
FP8	CLOSET SHELF AND POLE
FP9	EMERGENCY EGRESS WINDOW
FP10	WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS
FP11	VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION
FP12	MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-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
FP13	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 80" 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.
FP14	PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 1101.3(c), ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER-CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION
FP15	LANDING OR FLOOR REQUIRED AT EACH SIDE OF EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN THE DOOR SERVED AND HAVE A MIN 36 INCH DEPTH MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 1/2" 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.
FP16	WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R307.2
FP17	DOOR BELL BUTTON TO BE NO MORE THEN 48" ABOVE EXTERIOR FLOOR OR LANDING
FP18	WATER CLOSET AND SHOWER TO HAVE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO 38.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL NOTE #32 ON SHEET G0.2 FOR FURTHER INFORMATION
FP19	DOOR TO HAVE A NET CLEAR OPENING OF 32"
FP20	DESIGNATED 2'-6" x 2'-6" x 7' TALL MINIMUM AREA FOR FUTURE INSTALLATION OF A HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(n)
FP21	FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH

ROOF PLAN GENERAL NOTES	
1.	REFER TO GENERAL NOTES SHEET G0.2 FOR ADDITIONAL REQUIREMENTS
2.	REFER TO STRUCTURAL PLANS FOR ROOF FRAMING INFORMATION INCLUDING MEMBER SIZES AND CONNECTION HARDWARE
3.	REFER TO PLUMBING PLANS ROOF VENT PENETRATIONS
4.	REFER TO SITE/GRADING PLAN FOR DOWNSPOUT DISCHARGE OR CONTINUATION
5.	OVERHANG DIMENSIONS ARE FROM FACE OF EXTERIOR WALL FRAMING TO ROOF EDGE
6.	ROOF COVERING AND UNDERLAYMENT SHALL BE APPLIED IN ACCORDANCE WITH (2022) R337.1 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS
7.	ROOF VENTS SHALL BE APPLIED PER MANUFACTURERS SPECIFICATIONS
8.	ADJUST VENTS TO ACCOMMODATE ROOF FRAMING, PLUMBING VENTS, AND SOLAR COLLECTORS.

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

SOLAR READY NOTES	
SOLAR READY ROOF AREA: MIN DIMENSION > 5FT. MIN. SF > 80SF. PER CALIFORNIA ENERGY CODE SECTION 110.10(b)	
THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, AND SPACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED BY LOCAL JURISDICTION	
SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN 260SQFT.	
FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.	

VENTING CALCULATIONS	
ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA.	ENCLOSED RAFTER AREA: 667 SF.
VENTILATION AREA REQUIRED: 667 SF / 150SF = 4.45 SF.	CONVERT TO SQ. IN: 4.45SF x 144 = 640 SQ. IN.
MINIMUM VENTILATION AREA REQUIRED: 640 SQ. IN.	VENTS ARE TO BE MANUFACTURED BY VULCAN AND WUI COMPLIANT. STANDARD OR ROUND BOTH ARE ACCEPTABLE METHODS TO ACHIEVE MIN. AREA

LEGEND			
	SECTION CUT		KEYNOTE
	ELEVATION CALLOUT		DOOR SYMBOL
	DETAIL DRAWING REF.		WINDOW SYMBOL
	WALL BELOW OR ROOF ABOVE		CEILING HEIGHTS
	SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2		VAULTED CEILING
	ROOFING		ROOF SLOPE

project
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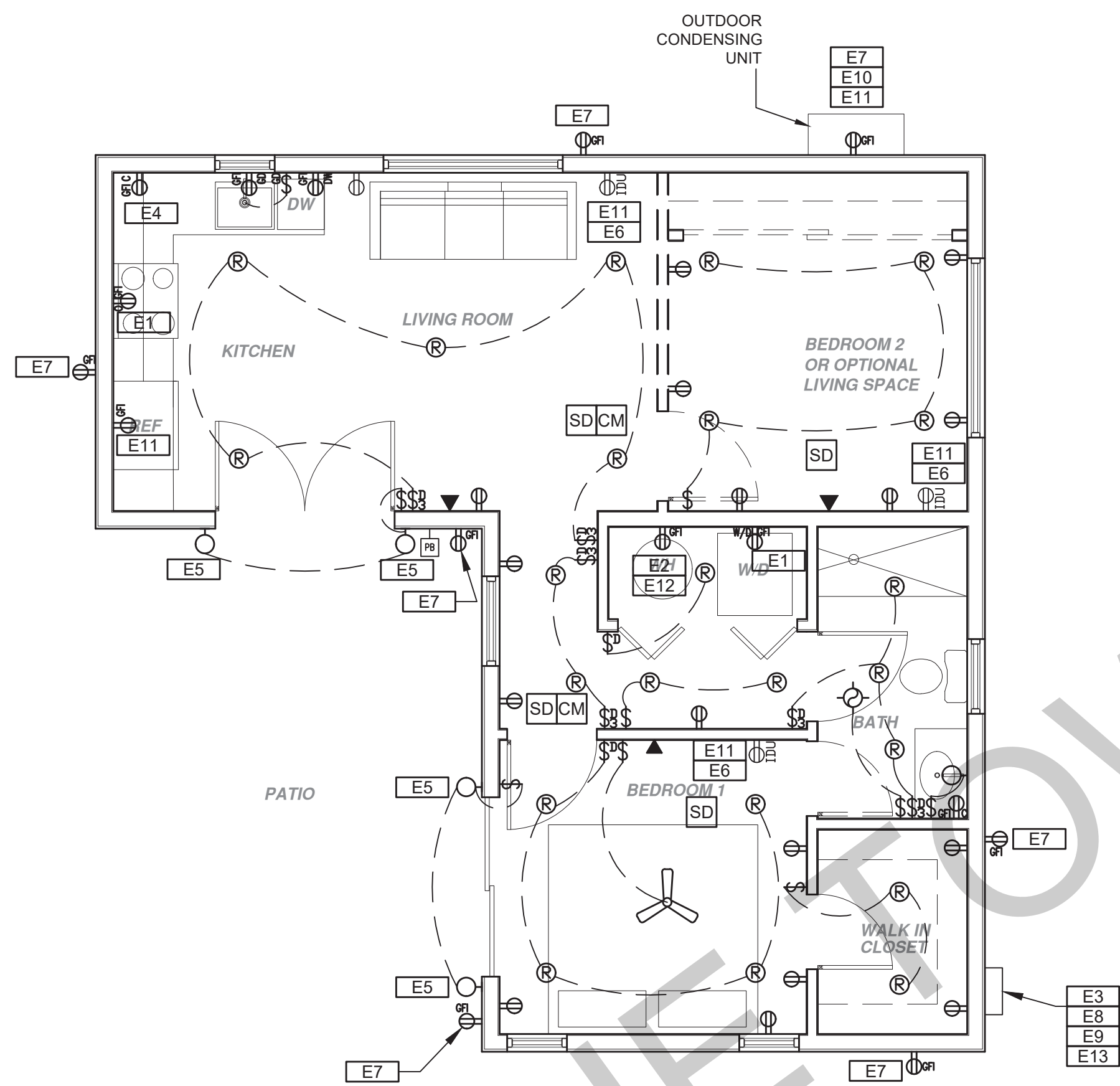
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**Floor/Roof
Plan - Reverse**

date
Month 20##

project no.
20##_xxxxxx

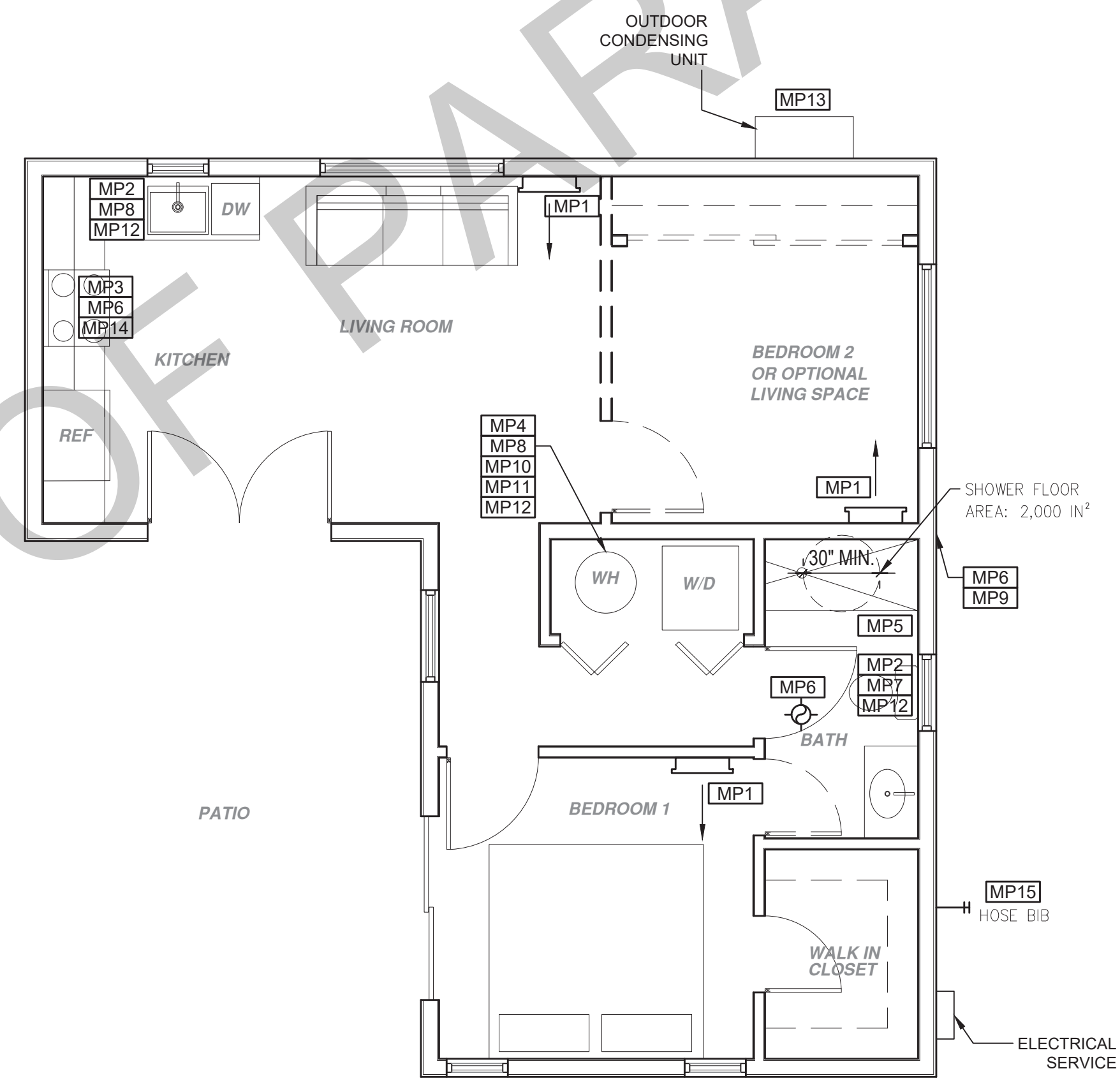
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ELECTRICAL PLAN

1/4"=1'-0"



MECHANICAL / PLUMBING PLAN

1/4"=1'-0"

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project

Town of Paradise
Pre-Approved
ADU Program

revisions



description
**Mechanical/
Electrical/
Plumbing
Plan**

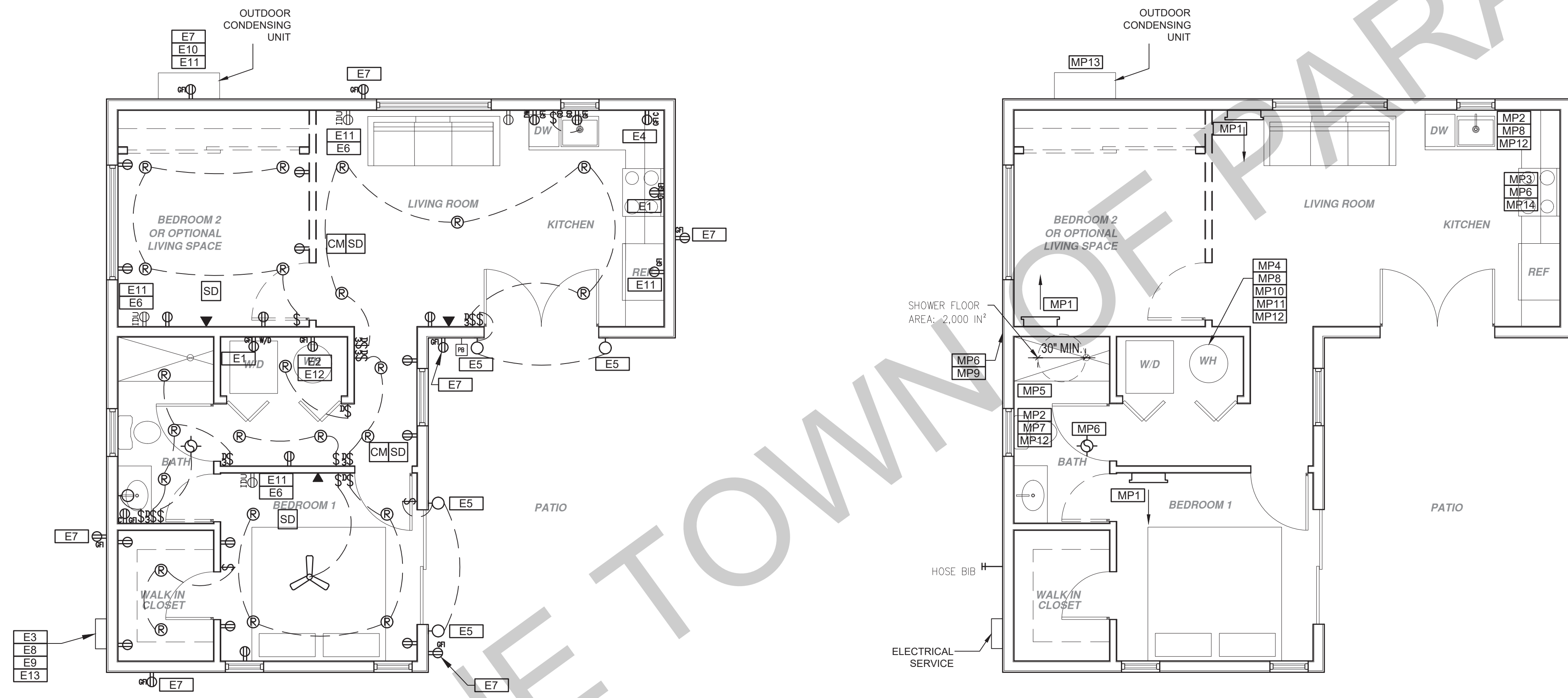
date ## Month 20##

project no. 20##-xxxxxx

drawn by xxx/xxx

sheet no. **A2.1**

MECHANICAL / PLUMBING KEYNOTES	ELECTRICAL KEYNOTES	MECHANICAL / PLUMBING LEGEND	ELECTRICAL LEGEND
<p>MP1 INDOOR UNIT MINI SPLIT SYSTEM.</p> <p>MP2 WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE NO MORE THAN 1.28 GAL. 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 CANNOT EXCEED 2.2 GALLONS PER MIN. AT 60 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 60 PSI AND ALL SHALL BE CERTIFIED TO MEET THE PERFORMANCE CRITERIA OF THE EPA WATER SENSITIVE SPECIFICATIONS FOR SHOWERHEADS. CPC SECTIONS 407, 408, 411, 412 AND SECTION 301.1.1 CALGREEN CODE AND CIVIL CODE 1501.3(i).</p> <p>MP3 EXHAUST HOOD ABOVE/ TO BE SMOOTH METALLIC INTERIOR SURFACE (CMC 504.3).</p> <p>MP4 NEW WATER HEATER - TO HAVE CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2" ABOVE THE BASE OF THE HEATER THAT ALSO ALLOWS GRAVITY DRAINAGE.</p> <p>MP5 CONTROL VALVES IN SHOWERS, BATHTUBS & BIDETS MUST BE PRESSURE BALANCED OR THERMOSTATIC MIX VALVES.</p> <p>MP6 MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS.</p> <p>MP7 CLEARANCE FOR WATER CLOSET TO BE A MIN. OF 24" IN FRONT, AND 15" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. (CPC 402.5).</p> <p>MP8 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>MP9 DRYER EXHAUST OUTLET FROM DRYER TO EXTERIOR MAX LENGTH 14' WITH MAXIMUM OF TWO 90° ELBOWS EXHAUST VENT MUST TERMINATE A MIN. OF 3' FROM ANY OPENING. MIN. TYPE 1 CLOTHES DRYER EXHAUST DUCTS SHALL BE OF RIGID METAL & SHALL HAVE SMOOTH INTERIOR SURFACES. THE DIAMETER SHALL BE NOT LESS THAN 4 INCHES NOMINAL (100 MM), & THE THICKNESS SHALL BE NOT LESS THAN 0.016 (OF AN INCH (4.68 MM)). EXHAUST DUCTS & DRYER VENTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPERS.</p> <p>MP10 NEW WATER HEATER WITH T&P RELIEF VALVE AND DISCHARGE PIPE AT EXTERIOR. PROVIDE COMBUSTION AIR AND CLEARANCES PER MANUFACTURER REQUIREMENTS.</p> <p>MP11 INSTANTANEOUS WATER HEATERS SHALL HAVE ISOLATION VALVES ON BOTH THE COLD AND THE HOT WATER PIPING LEAVING THE WATER HEATER COMPLETE WITH HOSE BIBS OR OTHER FITTINGS ON EACH VALVE FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED.</p> <p>MP12 ALL DOMESTIC HOT WATER PIPING TO HAVE THE FOLLOWING MINIMUM INSULATION INSTALLED: 3" PIPE (2" INSULATION); 3" PIPE (1" INSULATION); 1" TO 1-1/2" PIPE (1-1/2" INSULATION)</p> <p>MP13 OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT.</p> <p>MP14 A MINIMUM 160 GPM HOOD OVER ELECTRICAL RANGE INDOOR AIR QUALITY FAN IS REQUIRED IN THE KITCHEN AND SHALL BE HERS VERIFIED. (CALIFORNIA ENERGY CODE TABLE 150.0-G - 1750 SQ. FT.</p> <p>MP15 ALL HOSE CONNECTIONS SHALL BE EQUIPPED WITH NON-REMOVABLE BACK FLOW PREVENTERS. (CPC 603.3.3)</p>	<p>E1 DEDICATED 30 AMP/ 240V POWER FOR ELECTRIC DRYER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE SPECIFICATIONS.</p> <p>E2 OUTLET FOR NEW WATER HEATER WITHIN 3' OF WATER HEATER.</p> <p>E3 ELECTRICAL - SUB PANEL LOCATION</p> <p>E4 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) SHALL HAVE AT LEAST ONE RECEPTACLE.</p> <p>E5 OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.</p> <p>E6 OUTLET DEDICATED FOR INDOOR HVAC UNIT</p> <p>E7 WEATHER RESISTANT TYPE RECEPTACLES GFCI PROTECTED</p> <p>E8 OVER-CURRENT FEEDER TO EXTEND TO EXISTING PANEL- ALUMINUM CONDUCTOR BURED UNDER GROUND WITH AVG ALLOWABLE VOLTAGE DROP PER CEC 250.4</p> <p>E9 SEPARATE GROUND ELECTRODE SYSTEM PER CEC 250.4</p> <p>E10 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>E11 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 400.11</p> <p>E12 PER CEC 2022 150.0(N) 1.A. - THE DESIGNATED SPACE AND WATER HEATER IS TO COMPLY WITH ELECTRICAL NOTES 15A16 ON SHEET G0.2</p> <p>E13 CONTRACTOR TO VERIFY MAIN PANEL</p>	<p>MECHANICAL</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"> ESTABLISH HEAT LOSS AND HEAT GAIN VALUES ACCORDING TO ANSI/ ACCA 2 MANUAL J-2011 OR EQUIVALENT. SIZE DUCT SYSTEMS ACCORDING TO ANSI/ ACCA 1 MANUAL D-2014 OR EQUIVALENT SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ ACCA 3 MANUAL S-2014 OR EQUIVALENT. <p>RETURN AIR GRILLE, WALL MOUNTED</p> <p>SUPPLY AIR DIFFUSER, WALL MOUNTED</p> <p>THERMOSTAT</p> <p>HOSE BIB</p>	<p>FIRE DETECTION</p> <p>R314 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"> AT LEAST 3' FROM THE TIP OF THE BLADE OF A CEILING-MOUNTED FAN NOT LESS THAN 3' FROM THE DOOR OPENING OF A BATHROOM AT LEAST 20" FROM A COOKING APPLIANCE OR 10" FROM COOKING APPLIANCE WHEN THE ALARM IS AN IONIZING SMOKE ALARM PER NFPA 72 SECTION 29.8.3.4 ITEM 4 AT LEAST 3' FROM SUPPLY REGISTERS OF A HEATING/COOLING SYSTEM <p>R315 CARBON MONOXIDE ALARM PERMANENTLY WIRED WITH BATTERY BACKUP PER SECTION R315. 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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 45% TO 60% 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>RESIDENTIAL ENERGY LIGHTING REQUIREMENTS: ES 150.0(K)</p> <p>"IN THE KITCHEN, AT LEAST ONE-HALF OF THE WATTAGE RATING OF THE FIXTURES MUST BE HIGH EFFICACY."</p> <p>"IN THE BATHROOMS, AT LEAST ONE FIXTURE SHALL BE HIGH EFFICACY AND ALL REMAINING FIXTURES SHALL BE HIGH EFFICACY OR BE CONTROLLED BY A VACANCY SENSOR."</p> <p>"LIGHTING INSTALLED IN GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS SHALL BE HIGH EFFICACY AND BE CONTROLLED BY VACANCY SENSORS."</p>



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

MECHANICAL / PLUMBING PLAN
1/4"=1'-0"

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project
Town of Paradise
Pre-Approved
ADU Program

revisions
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description
**Mechanical/
Electrical/
Plumbing
Plan - Reverse**

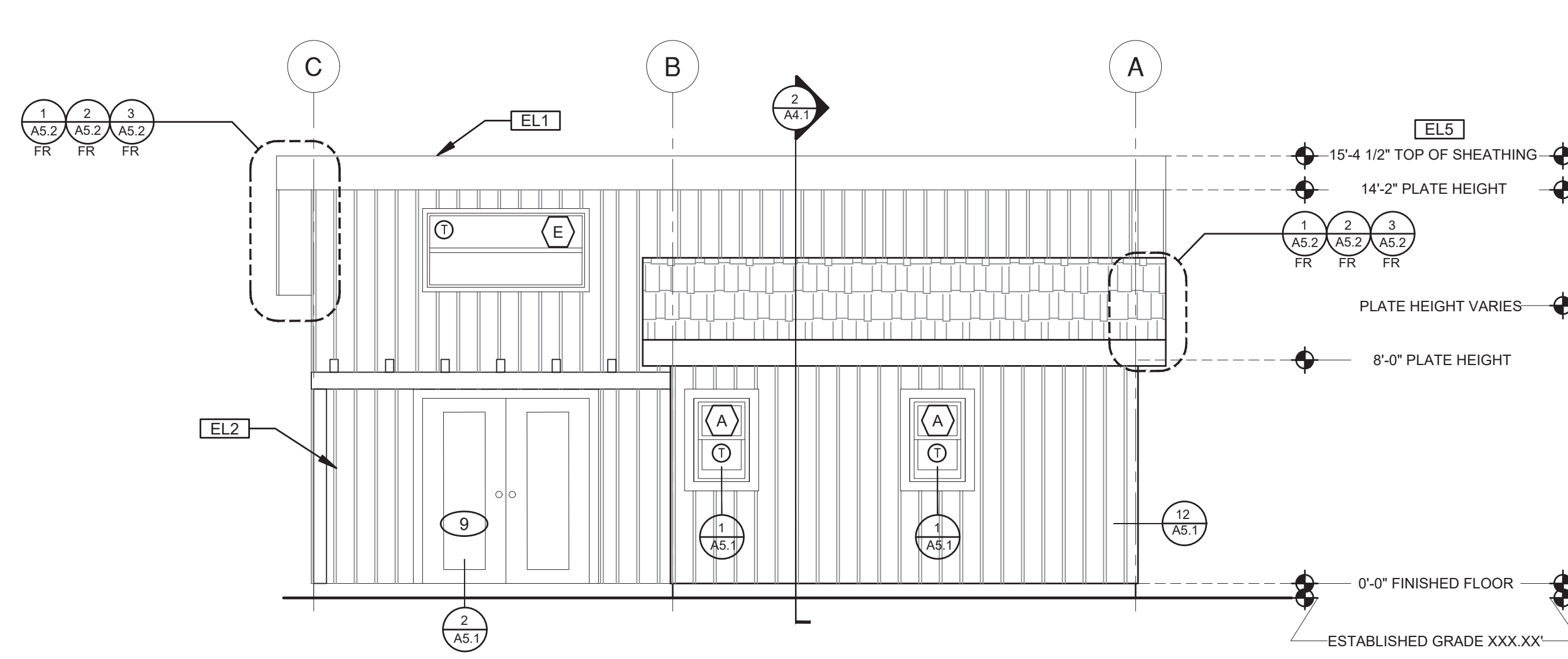
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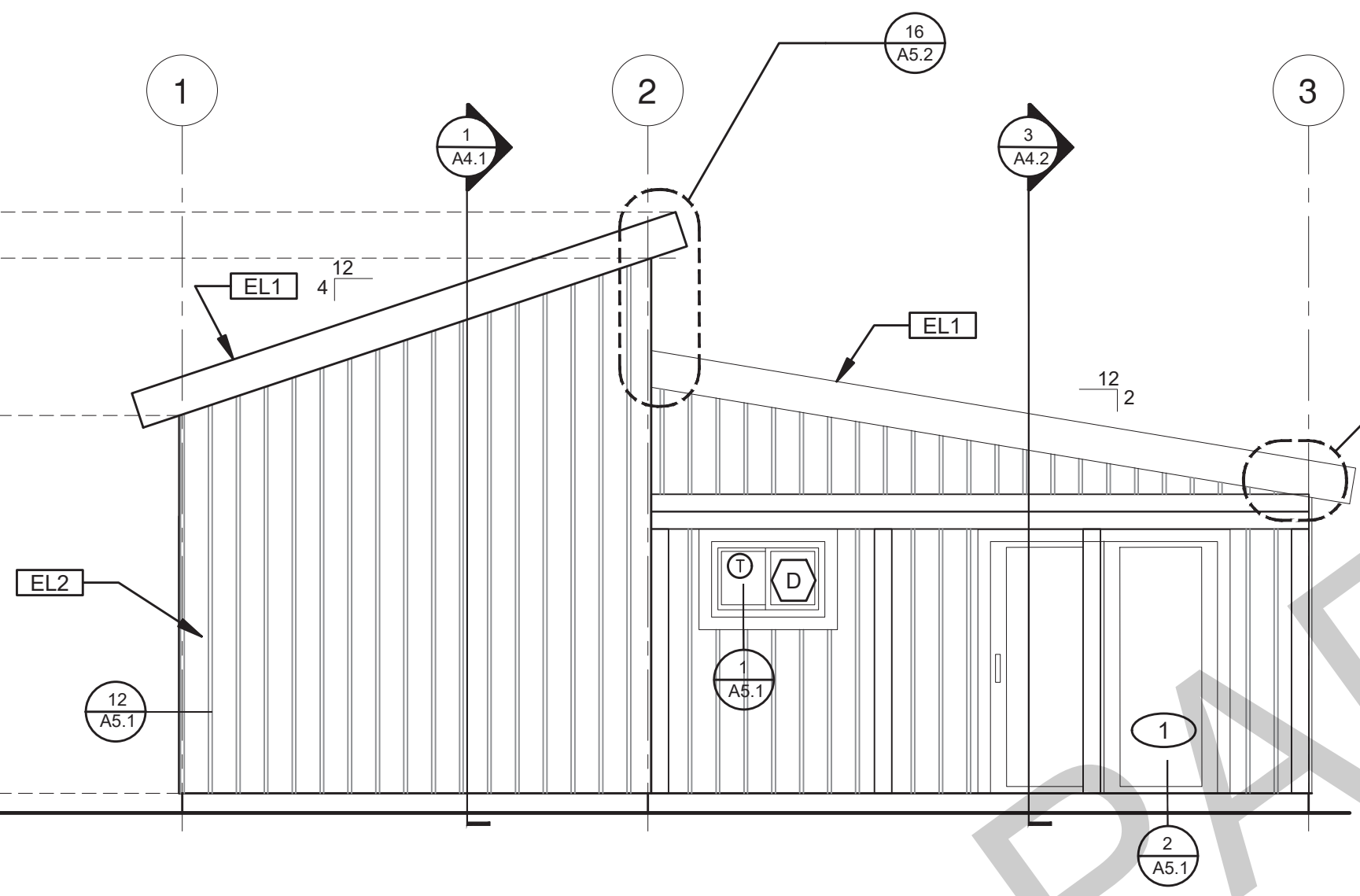
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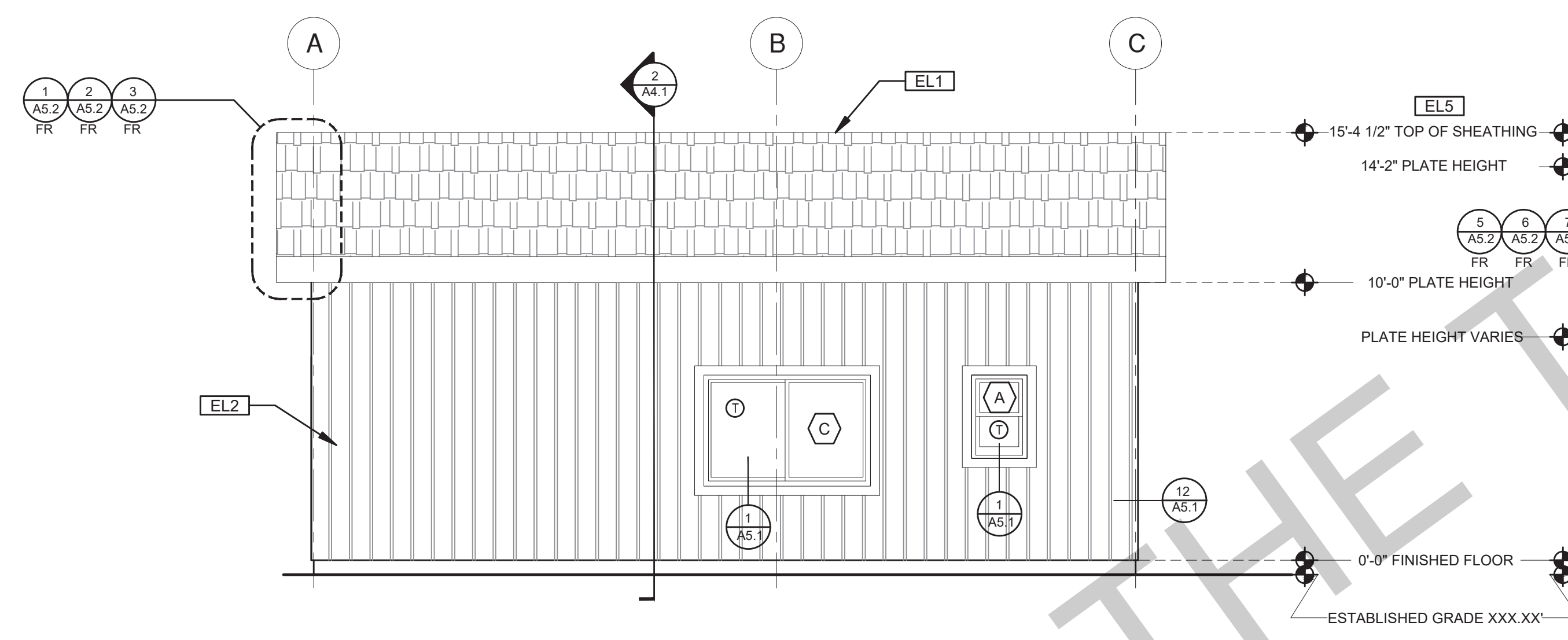
MECHANICAL / PLUMBING KEYNOTES	ELECTRICAL KEYNOTES	MECHANICAL / PLUMBING LEGEND	ELECTRICAL LEGEND
<p>MP1 INDOOR UNIT MINI SPLIT SYSTEM.</p> <p>MP2 WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE NO MORE THAN 1.28 GAL. OF WATER PER FLUSH; LAVATORIES LIMITED TO 1.2 GPM, KITCHEN FAUCETS NOT TO EXCEED 1.8 GPM AT 60 PSI THEY CAN INCREASE THE FLOW MOMENTARILY BUT CANT EXCEED 2.2GALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX. FLOW RATE OF 1.8GALLONS PER MIN AT 60 PSI, AND SHOWERS NOT EXCEED 1.8 GPM AT 60 PSI AND SHALL BE CERTIFIED TO MEET THE PERFORMANCE CRITERIA OF THE EPA WATERSENSE SPECIFICATIONS FOR SHOWERHEADS. CPC SECTIONS 407, 408, 411, 412 AND SECTION 301.1.1 CALGREEN CODE AND CIVIL CODE 1101.3(i)</p> <p>MP3 EXHAUST HOOD ABOVE/ TO BE SMOOTH METALLIC INTERIOR SURFACE (CMC 504.3)</p> <p>MP4 NEW WATER HEATER - TO HAVE CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2" ABOVE THE BASE OF THE HEATER THAT ALSO ALLOWS GRAVITY DRAINAGE</p> <p>MP5 CONTROL VALVES IN SHOWERS, BATHTUBS & BIDETS MUST BE PRESSURE BALANCED OR THERMOSTATIC MIX VALVES</p> <p>MP6 MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS</p> <p>MP7 CLEARANCE FOR WATER CLOSET TO BE A MIN. OF 24" IN FRONT, AND 15" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. (CPC 402.5)</p> <p>MP8 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>MP9 DRYER EXHAUST OUTLET FROM DRYER TO EXTERIOR MAX LENGTH 14' WITH MAXIMUM OF TWO 90° ELBOWS EXHAUST VENT MUST TERMINATE A MIN. OF 3' FROM ANY OPENING. MIN. TYPE 1 CLOTHES DRYER EXHAUST DUCTS SHALL BE OF RIGID METAL & SHALL HAVE SMOOTH INTERIOR SURFACES. THE DIAMETER SHALL BE NOT LESS THAN 4 INCHES NOMINAL (100 MM), & THE THICKNESS SHALL BE NOT LESS THAN 0.016 (OF AN INCH (406 MM)). EXHAUST DUCTS & DRYER VENTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPERS</p> <p>MP10 NEW WATER HEATER WITH T&P RELIEF VALVE AND DISCHARGE PIPE AT EXTERIOR. PROVIDE COMBUSTION AIR AND CLEARANCES PER MANUFACTURER REQUIREMENTS.</p> <p>MP11 INSTANTANEOUS WATER HEATERS SHALL HAVE ISOLATION VALVES ON BOTH THE COLD AND THE HOT WATER PIPING LEAVING THE WATER HEATER COMPLETE WITH HOSE BIBS OR OTHER FITTINGS ON EACH VALVES FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED</p> <p>MP12 ALL DOMESTIC HOT WATER PIPING TO HAVE THE FOLLOWING MINIMUM INSULATION INSTALLED: 3" PIPE (2" INSULATION); 3" PIPE (1" INSULATION); 1" TO 1-1/2" PIPE (1-1/2" INSULATION)</p> <p>MP13 OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT</p> <p>MP14 A MINIMUM 160 GPM HOOD OVER ELECTRICAL RANGE INDOOR AIR QUALITY FAN IS REQUIRED IN THE KITCHEN AND SHALL BE HERS VERIFIED. (CALIFORNIA ENERGY CODE TABLE 150.0-G-1.750 SQ. FT.</p>	<p>E1 DEDICATED 30 AMP/ 240V POWER FOR ELECTRIC DRYER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE SPECIFICATIONS.</p> <p>E2 OUTLET FOR NEW WATER HEATER WITHIN 3' OF WATER HEATER.</p> <p>E3 ELECTRICAL - SUB PANEL LOCATION</p> <p>E4 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) SHALL HAVE AT LEAST ONCE RECEPTACLE</p> <p>E5 OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.</p> <p>E6 OUTLET DEDICATED FOR INDOOR HVAC UNIT</p> <p>E7 WEATHER RESISTANT TYPE RECEPTACLES GFCI PROTECTED</p> <p>E8 OVER-CURRENT FEEDER TO EXTEND TO EXISTING PANEL- ALUMINUM CONDUCTOR BURIED UNDER GROUND WITH AVG ALLOWABLE VOLTAGE DROP PER CEC 250.4</p> <p>E9 SEPARATE GROUND ELECTRODE SYSTEM PER CEC 250.4</p> <p>E10 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>E11 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>E12 PER CEC 2022 150.0(N) 1.A. - THE DESIGNATED SPACE AND WATER HEATER IS TO COMPLY WITH ELECTRICAL NOTES 15A16 ON SHEET G0.2</p> <p>E13 CONTRACTOR TO VERIFY MAIN PANEL</p>	<p>MECHANICAL</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"> 1. 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SUB PANEL</p> <p>SWITCHING</p> <p>SWITCH, MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER</p> <p>MISC.</p> <p>CEILING FAN/LIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON</p> <p>LIGHTING</p> <p>CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, 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 SHALLOW TYPE WHEN UNDER COUNTER)</p> <p>BATHROOM EXHAUST FAN REQUIREMENTS: PER CGBC 4.506.1. EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWINGS: 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. 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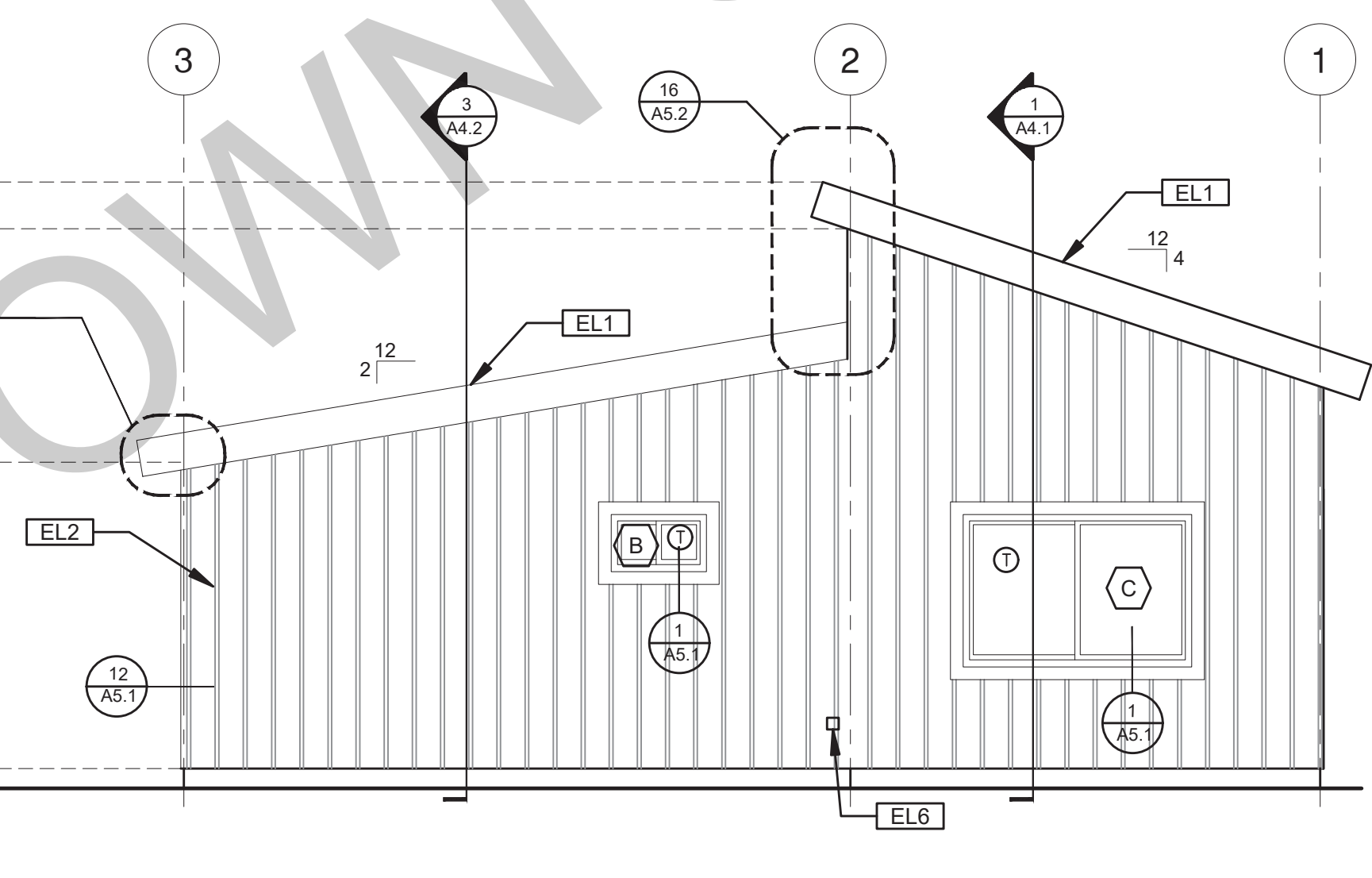
ELEVATION - A
1/4"=1'-0" COOP



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



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



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

ELEVATION KEYNOTES	
EL1	MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS
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EL4	STONE VENEER
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EL6	DRYER VENT (WUI COMPLIANT) 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 3/12" 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.	9. CONTRACTOR TO VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK
4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS	10. GUTTER. CONNECT TO DOWNSPOUT. PROVIDE MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS IN GUTTER PER CRC R337.5.4. IN COMPLIANCE WITH 2022 CRC R337
5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS	
6. LATH & PLASTER A. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURERS, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL. B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREDS AND ACCESSORIES ARE TO BE GALVANIZED. PROVIDE CASING BEADS AT ALL JOINTS OF STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE NOTED. C. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS ARE TO CONSIST OF A SCRATCH (3/8" AND A TWO COAT FINISH (1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNIA LATHING AND PLASTERING CONTRACTORS ASSOCIATION.	

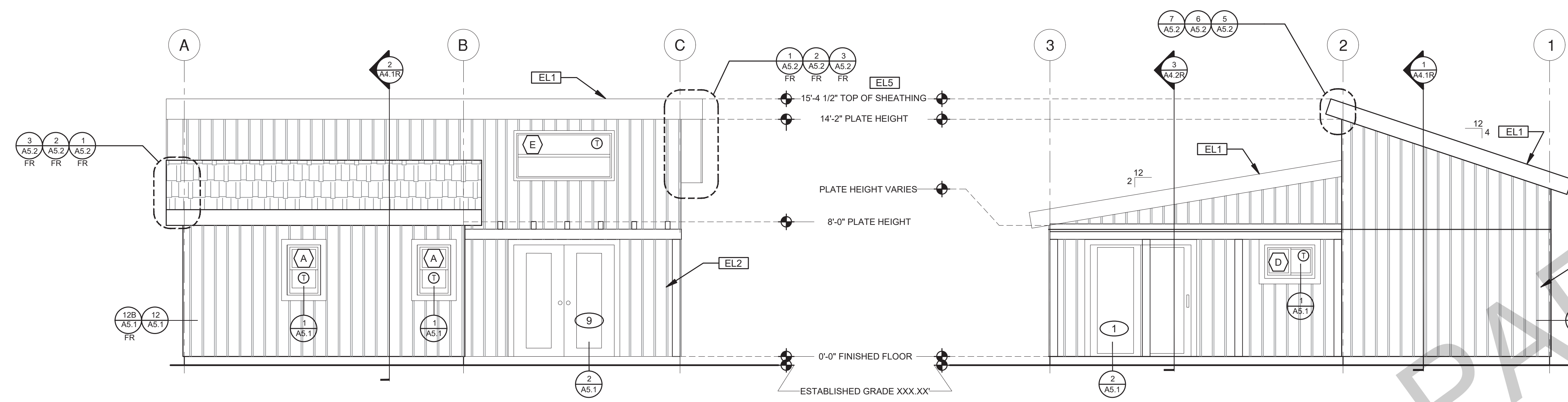
LEGEND					
	SECTION CUT		KEYNOTE		SPRAY FIN. STUCCO
	ELEVATION CALLOUT		DOOR SYMBOL		BOARD & BATTEN
	DETAIL DRAWING REF.		WINDOW SYMBOL		GLAZING
	ELEVATION MARKER		TEMPERED GLASS		ROOFING

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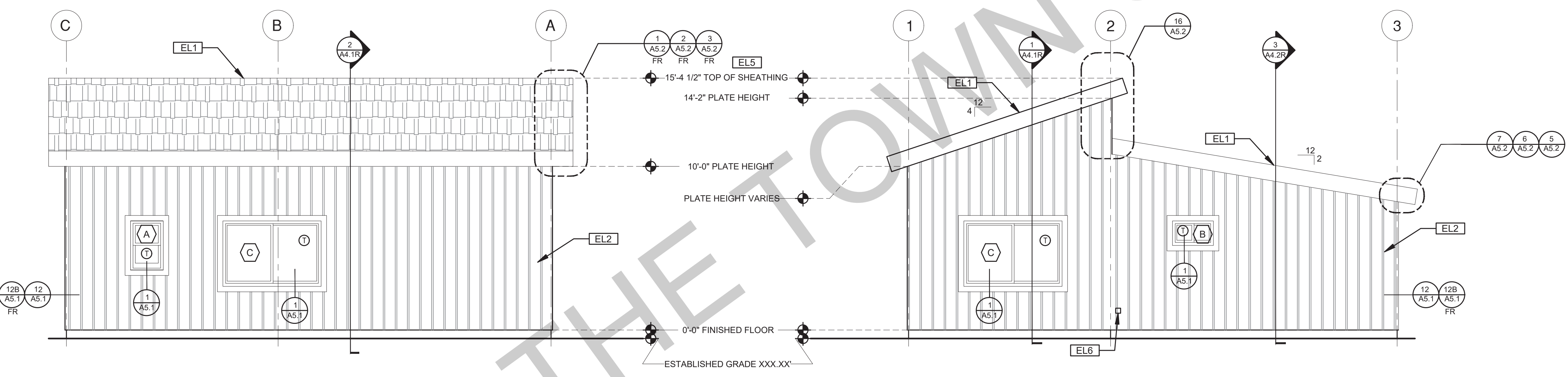
revisions
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description
Exterior
Elevations

date ## Month 20##
project no. 20##_xxxxxx
drawn by xxx/xxx
sheet no. A3.1



ELEVATION - A
1/4"=1'-0" COOP (REVERSED)

ELEVATION - B
1/4"=1'-0" COOP (REVERSED)



ELEVATION - C
1/4"=1'-0" COOP (REVERSED)

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- ALL DIMENSIONS TO FINISH FACE, U.N.O.
- ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.
- WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS
- SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS
- LATH & PLASTER
A. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURERS, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL.
B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREEDS AND ACCESSORIES ARE TO BE GALVANIZED. PROVIDE CASING BEADS AT ALL JOINTS OF STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE NOTED.
C. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS ARE TO CONSIST OF A SCRATCH (3/8" AND A TWO COAT FINISH (1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNIA LATHING AND PLASTERING CONTRACTORS ASSOCIATION.
- FRAMING ELEVATIONS, INCLUDING FLOOR PLATES AND FLOOR LEVEL ELEVATIONS ARE MEASURED FROM BUILDING FINISH FLOOR, U.N.O.
- SEE ROOF PLAN FOR APPROXIMATE DOWNSPOUT LOCATIONS, U.N.O.
- CONTRACTOR TO VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK
- GUTTER. CONNECT TO DOWNSPOUT. PROVIDE MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS IN GUTTER PER CRC R337.5.4. IN COMPLIANCE WITH 2022 CRC R337

LEGEND

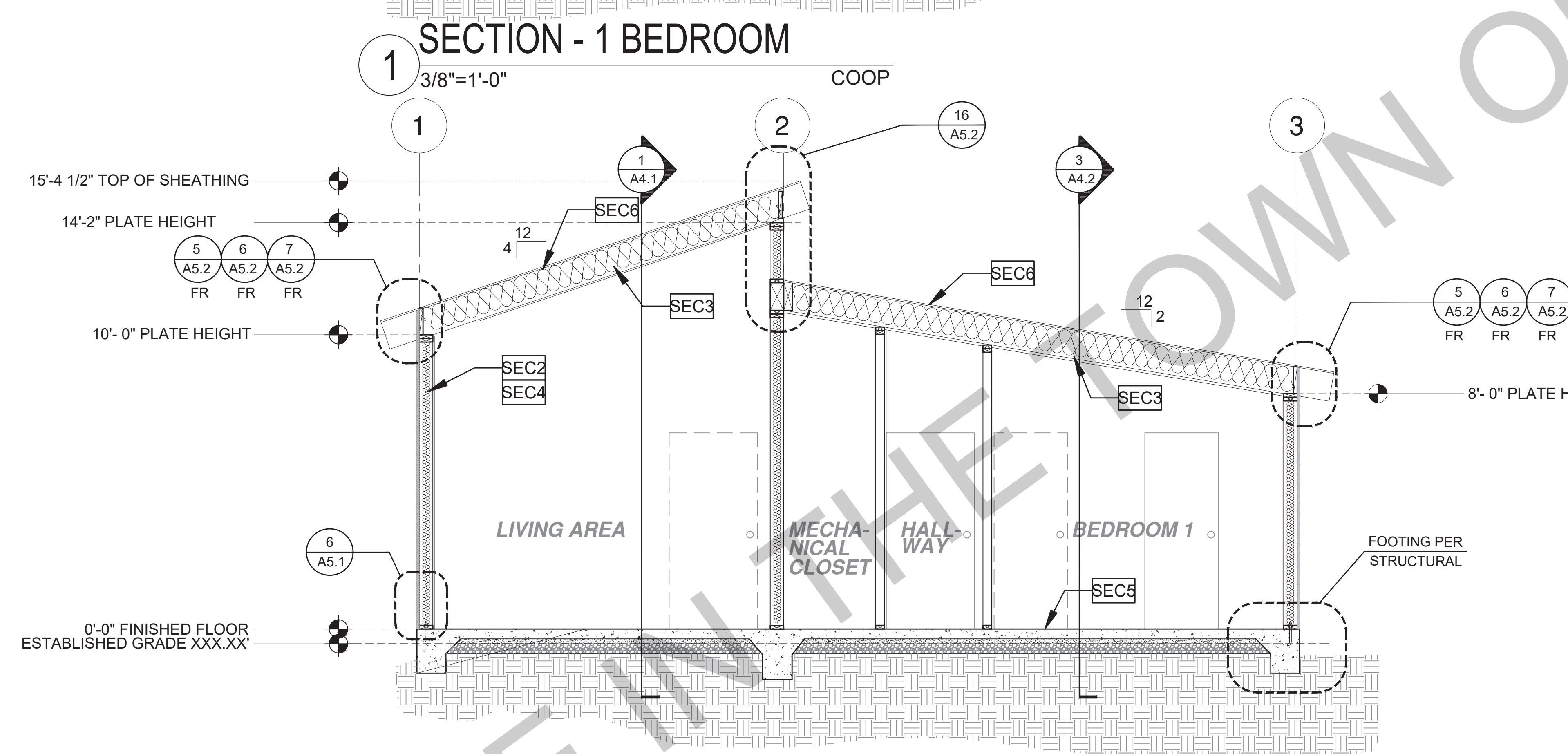
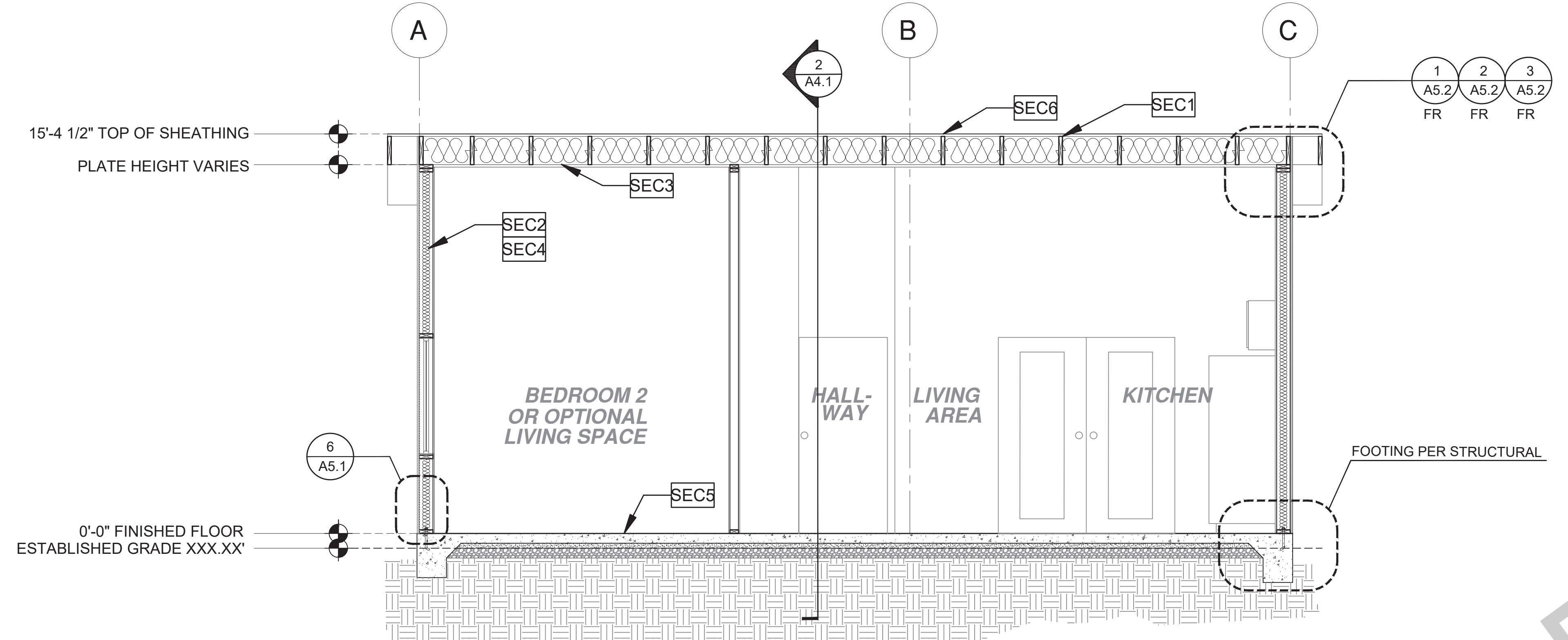
	SECTION CUT		KEYNOTE		SPRAY FIN. STUCCO
	ELEVATION CALLOUT		DOOR SYMBOL		BOARD & BATTEN
	DETAIL DRAWING REF.		WINDOW SYMBOL		GLAZING
	ELEVATION MARKER		TEMPERED GLASS		ROOFING

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project
Town of Paradise
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ADU Program

revisions
description
Exterior
Elevations -
Reverse

date ## Month 20##
project no. 20##_xxxxxx
drawn by xxx/xxx
sheet no. **A3.1R**



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SECTION KEYNOTES	
SEC1	RAFTERS PER PLAN SEE STRUCTURAL
SEC2	2X STUDS @ 16" O.C. - SEE STRUCTURAL
SEC3	CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS
SEC4	WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS
SEC5	CONC. SLAB ON GRADE SEE STRUCTURAL
SEC6	MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS

SECTION GENERAL NOTES	
1. METALS SEE PLANS AND DETAILS FOR LOCATIONS. QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE 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.	3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF RAFTERS TO ACCOMMODATE RECESSED LIGHTS EXHAUST FANS OR OTHER ELECTRICAL/MECHANICAL FIXTURES.
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 1/2" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL.	4. WOOD SOFFIT/CEILING, SIDING & TRIM ALL NAILS, FASTENERS AND HARDWARE MUST BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. STAPLES ARE NOT PERMITTED.
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.	6. FLASHING AND SHEET METAL ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.
7. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.	8. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIAL ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, & STRUCTURAL PLANS. KEYNOTES ONLY APPLY IF REFERENCED ON PLANS 1. INSULATION: REFER TO TITLE 24 REPORT FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION 2. FIRE BLOCKING TO BE LOCATED AT THE FOLLOWING LOCATIONS PER 2022 CRC SECTION R302.11: A. SECTION R302.11: 1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR LEVELS B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT
	9. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND COVE CEILINGS
	10. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILINGS AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E136 REQUIREMENTS FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES. SEE SECTION R1003.19 FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION
	11. SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL LUMBER WITH TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 2. ONE-FOURTH-INCH CEMENT-BASED MILLBOARD 3. THE THICKNESS OF 0.75-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.75-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. BATTIS 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

LEGEND	
	SECTION CUT
	ELEVATION CALLOUT
	DETAIL DRAWING REF.
	ELEVATION MARKER

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ADU Program

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date ## Month 20##

project no. 20##_xxxxxx

drawn by xxx/xxx

sheet no. **A4.1**

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Pre-Approved
ADU Program

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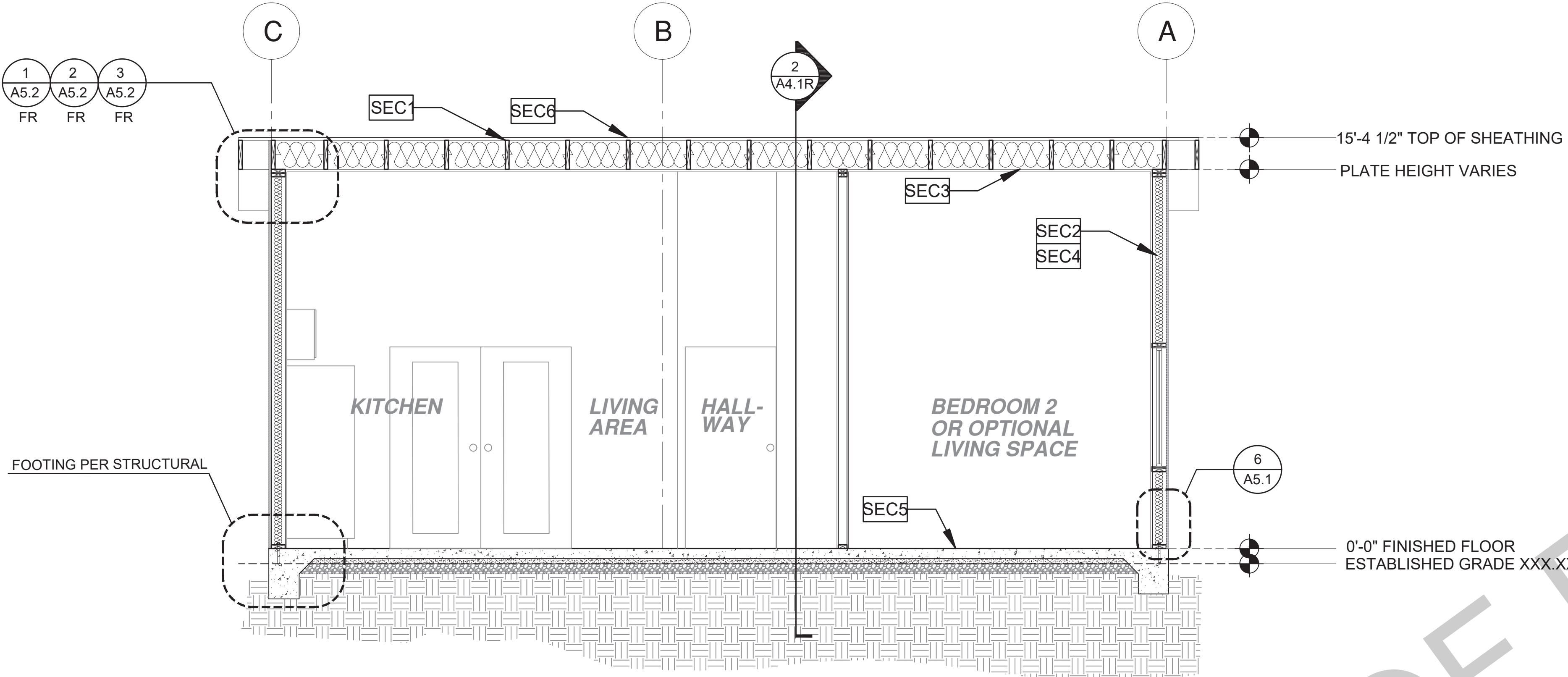
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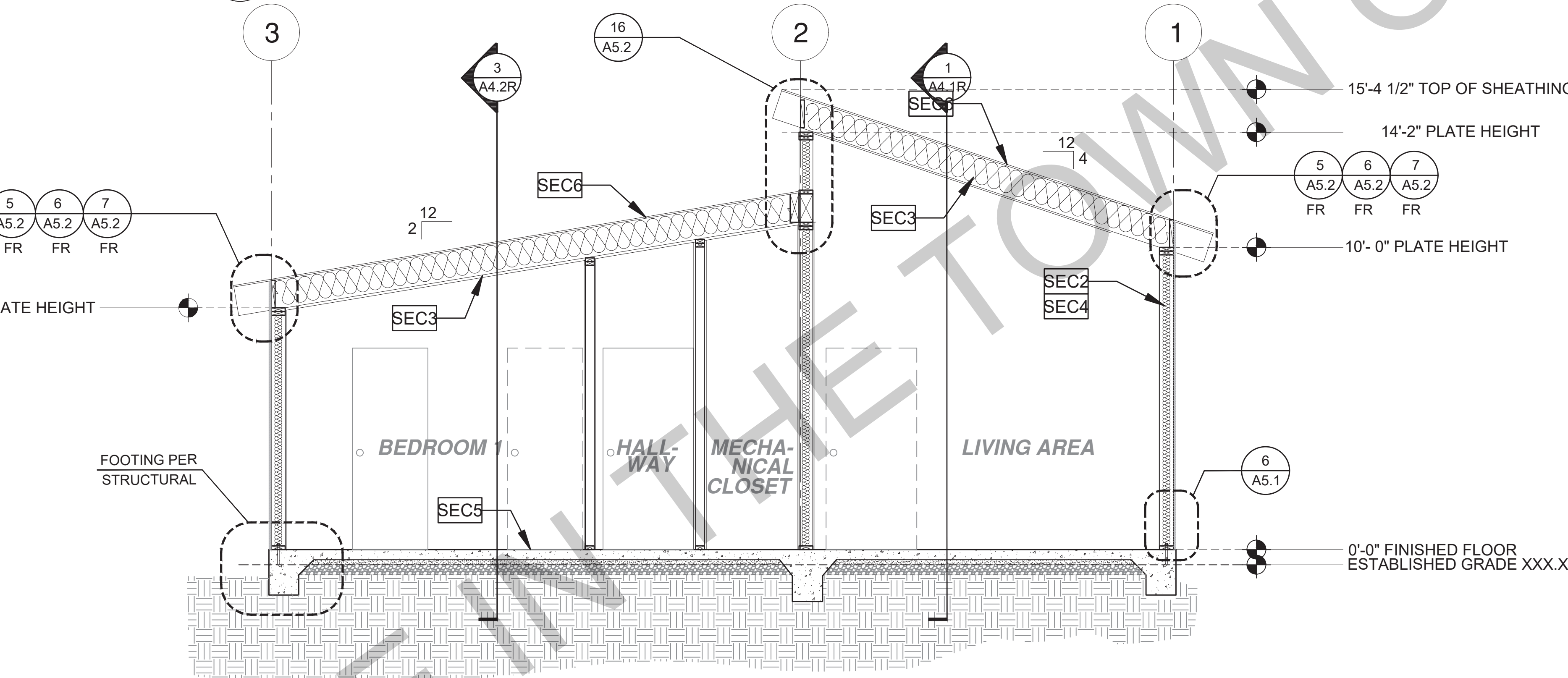
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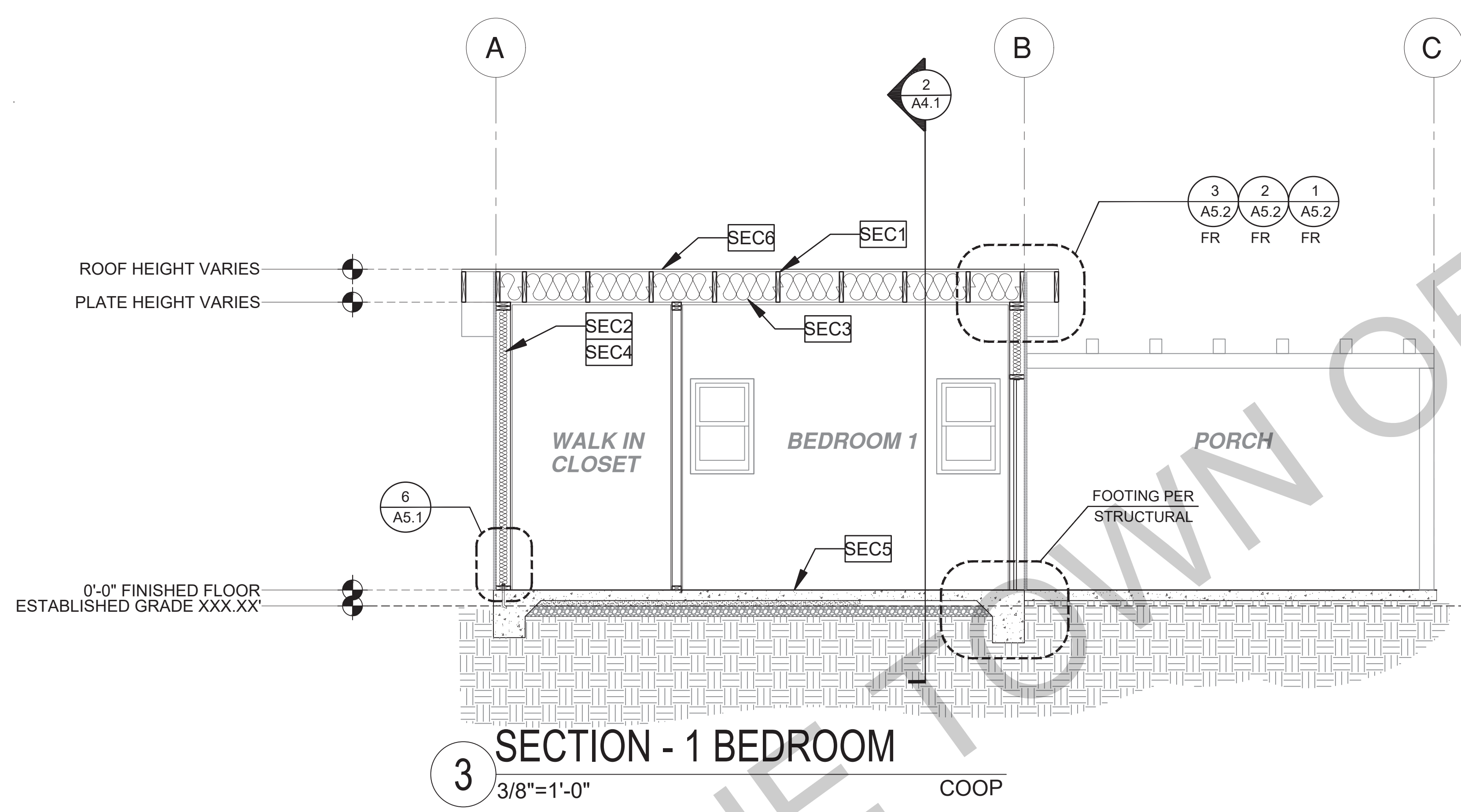


SECTION - 1 BEDROOM
1
3/8"=1'-0"
COOP (REVERSE)



SECTION - 1 BEDROOM
2
3/8"=1'-0"
COOP (REVERSE)

SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
<p>SEC1 RAFTERS PER PLAN SEE STRUCTURAL</p> <p>SEC2 2X STUDS @ 16" O.C. - SEE STRUCTURAL</p> <p>SEC3 CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p>SEC4 WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p>SEC5 CONC. SLAB ON GRADE SEE STRUCTURAL</p> <p>SEC6 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</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. Ø 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 & 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 COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.</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 MATERIAL ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, & STRUCTURAL PLANS. *KEYNOTES ONLY APPLY IF REFERENCED ON PLANS 1. INSULATION: REFER TO TITLE 24 REPORT FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION 2. FIRE BLOCKING TO BE LOCATED AT THE FOLLOWING LOCATIONS PER 2022 CRC SECTION R302.11: A. SECTION R302.11: 1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR LEVELS B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT</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 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 LUMBER WITH 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. BATTIS 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>LEGEND</p> <p>SECTION CUT</p> <p>ELEVATION CALLOUT</p> <p>DETAIL DRAWING REF.</p> <p>ELEVATION MARKER</p>



3 SECTION - 1 BEDROOM
3/8"=1'-0" COOP

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Sections

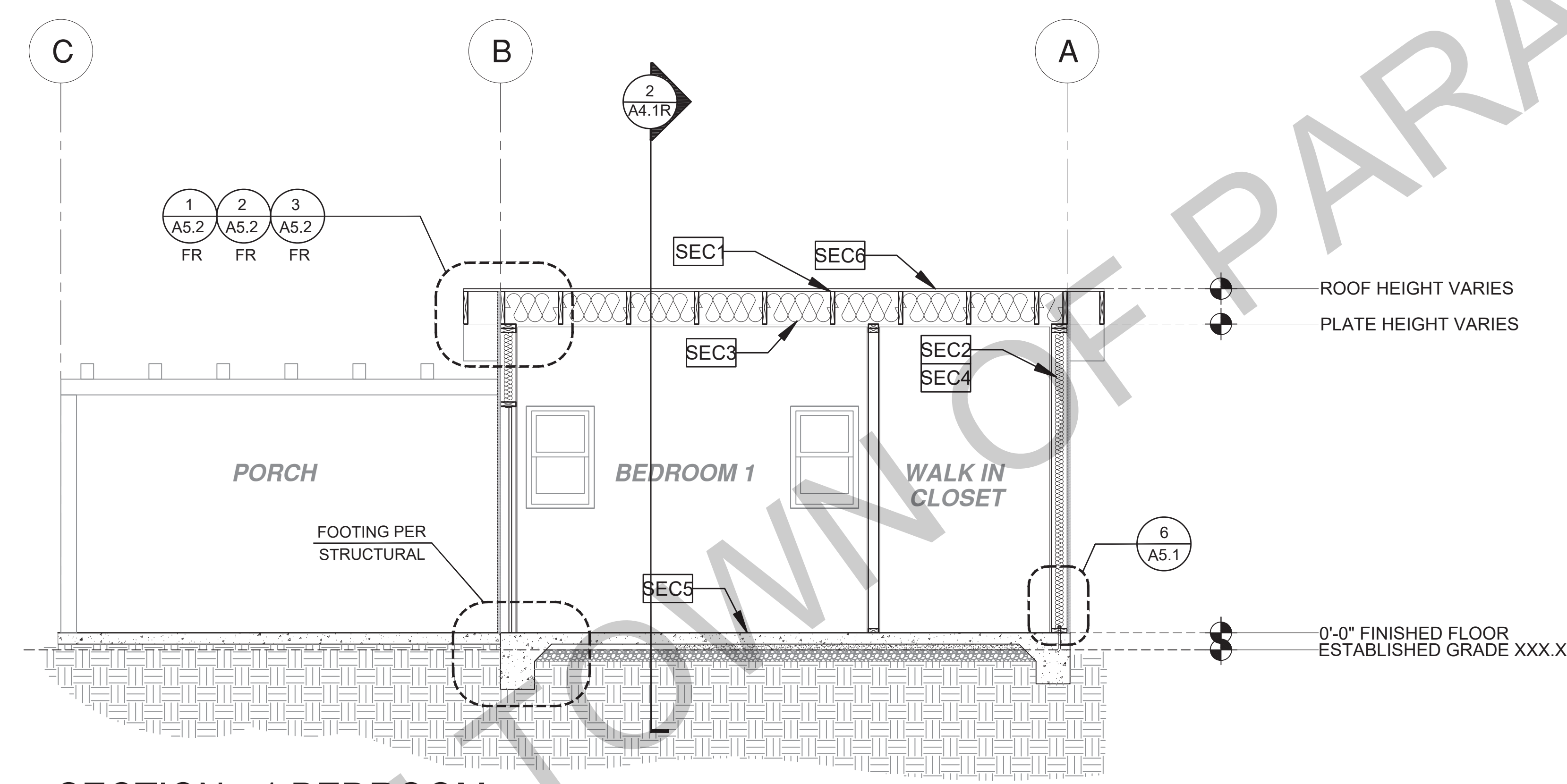
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drawn by xxx/xxx

sheet no. **A4.2**

SECTION KEYNOTES	SECTION GENERAL NOTES				LEGEND		
<p>SEC1 RAFTERS PER PLAN SEE STRUCTURAL</p> <p>SEC2 2X STUDS @ 16" O.C. - SEE STRUCTURAL</p> <p>SEC3 CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p>SEC4 WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p>SEC5 CONC. SLAB ON GRADE SEE STRUCTURAL</p> <p>SEC6 MINIMUM GLASS 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 & 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 COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.</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, & 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 2022 CRC SECTION R302.11: A. SECTION R302.11: 1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR LEVELS B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT</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 LUMBER WITH BROKEN LAP JOINTS 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. BATT 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>LEGEND</p> <p>SECTION CUT</p> <p>ELEVATION CALLOUT</p> <p>DETAIL DRAWING REF.</p> <p>ELEVATION MARKER</p>



3 SECTION - 1 BEDROOM
3/8"=1'-0" COOP (REVERSE)

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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 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.
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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Town of Paradise
Pre-Approved
ADU Program

revisions
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description
Building
Sections -
Reversed

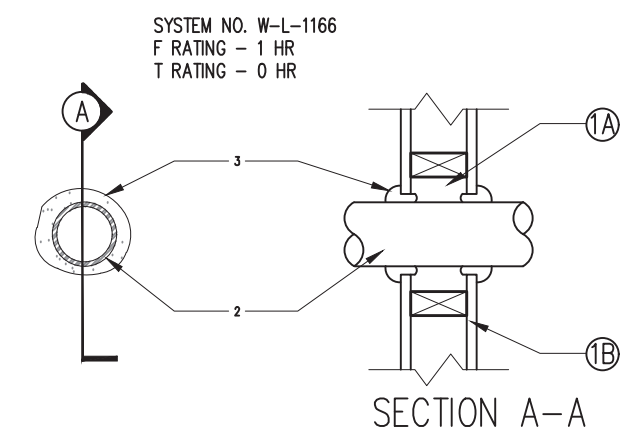
date ## Month 20##

project no. 20##_xxxxxx

drawn by xxx/xxx

sheet no. **A4.2R**

SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
<p>SEC1 RAFTERS PER PLAN SEE STRUCTURAL</p> <p>SEC2 2X STUDS @ 16" O.C. - SEE STRUCTURAL</p> <p>SEC3 CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p>SEC4 WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p>SEC5 CONC. SLAB ON GRADE SEE STRUCTURAL</p> <p>SEC6 MINIMUM GLASS 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 & 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 COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.</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, & 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 2022 CRC SECTION R302.11: A. SECTION R302.11: 1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: A. VERTICALLY AT CEILING AND FLOOR LEVELS B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10FT</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</p> <p>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 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. BATT 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>LEGEND</p> <p>SECTION CUT</p> <p>ELEVATION CALLOUT</p> <p>DETAIL DRAWING REF.</p> <p>ELEVATION MARKER</p>



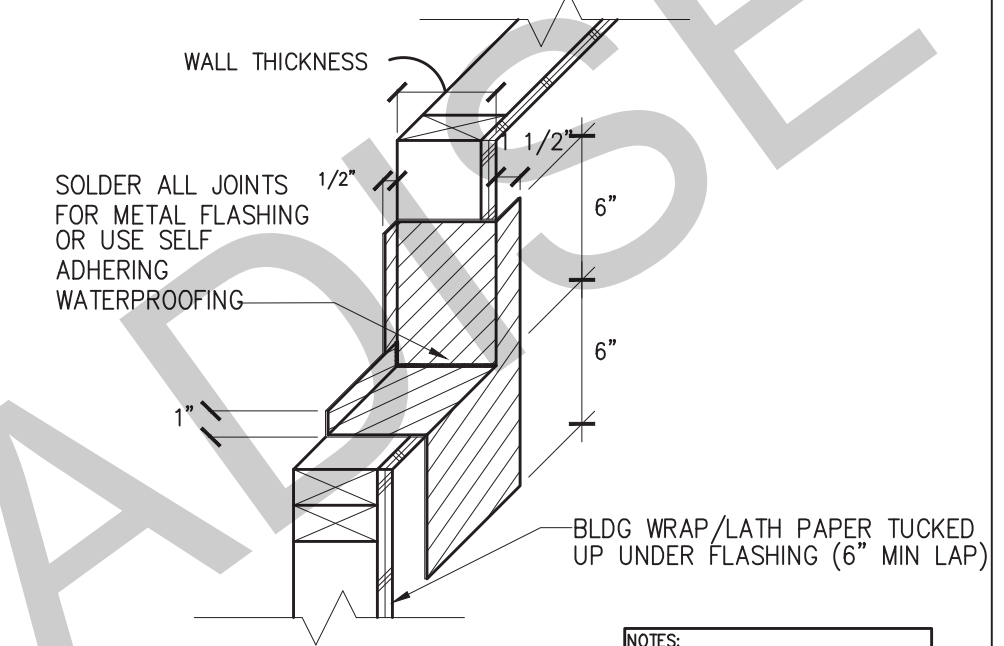
SYSTEM NO. W-1-1166
F RATING - 1 HR
T RATING - 0 HR

1. WALL ASSEMBLY
THE 1 HR FIRE RATED GYPSUM WALLBOARD/STUCCO WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL USDO OR IADO SERIES WALL AND PARTITION DESIGNS IN UL FIRE RESISTANCE DIRECTORY & SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. STUCCO-WALL FRAMING MAY CONSIST OF OTHER WOOD STUDS OR STEEL CHANNEL STEEL. WOOD STUDS TO CONSIST OF NOM. 2 IN BY 4 IN LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN. 3 1/2 IN. WIDE & SPACED MAX. 24 IN. O.C.
B. GYPSUM BOARD (BEARING THE UL CLASSIFICATION MARKING)-THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. DIAM. OF OPENING IS 5 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. THROUGH - PENETRANTS
ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN THE PIPE, CONDUIT OR TUBING AND PERIPHERY OF THE OPENING SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO A MAX. 1/8 IN. PIPE CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
A. COPPER TUBING-NOM. 4 IN. DIAM. (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBING.
B. COPPER PIPE-NOM. 4 IN. DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
C. STEEL PIPE-NOM. 4 IN. DIAM. (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.
D. CONDUIT-NOM. 4 IN. DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR RIGID STEEL CONDUIT
E. IRON PIPE-NOM. 4 IN. DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE.

3. FILL, VOID OR CAVITY MATERIALS (BEARING THE UL CLASSIFICATION MARKING) -CAULK OR PUTTY MIN. 1/2 IN. DIAMETER BEAD CAULK OR PUTTY APPLIED CONTINUOUSLY AROUND THE PENETRATE ON THE WALL SURFACES ON BOTH SIDES OF THE WALL. -3M COMPANY -CP 228MB+ CAULK OF MPS-2+ PUTTY

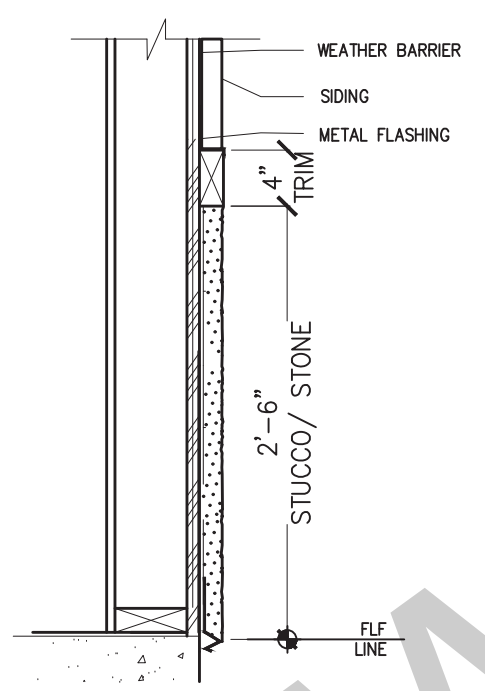
10 THROUGH PENETRATION @ WALL SCALE: NTS



WALL THICKNESS
SOLDER ALL JOINTS 1/2"
FOR METAL FLASHING
OR USE SELF
ADHERING
WATERPROOFING
6"
6"
BLDG WRAP/LATH PAPER TUCKED
UP UNDER FLASHING (6" MIN LAP)

NOTES:
REFER TO AAMA 2400-10 STANDARD
PRACTICE FOR INSTALLATION OF
WINDOWS WITH MOUNTING FLANGES IN
STUD CONSTRUCTION FOR ADDITIONAL
REQUIREMENTS

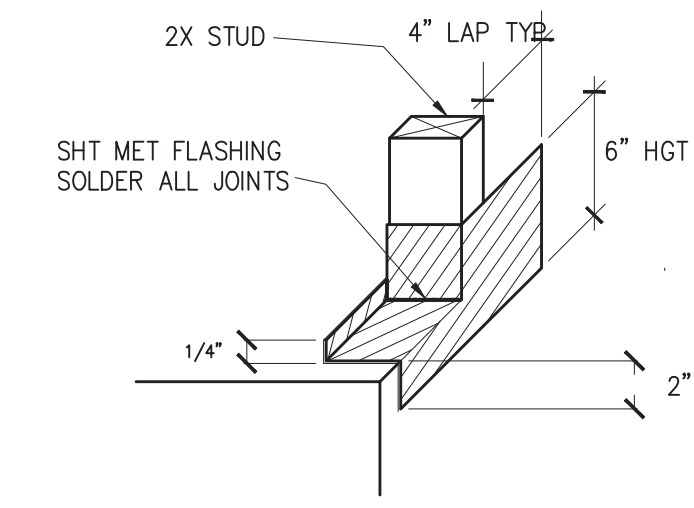
1 WINDOW SILL FLASHING SCALE: 1/2"=1'-0"



FLASHING PAPER, MOSTOP FLASHING OR EQUAL (9" WIDE MIN.) @ NAILING FIN @ TOP OF WINDOWS (HEAD) TYP. TWO CONTINUOUS BEADS OF MOSTOP SEALANT OR EQUAL UNDER FLASHING PAPER (1) @ NAILING FIN AND (1) AT TOP OF NAILING FIN.
FLASHING PAPER, SELF SEALING MEMBRANE, (9" WIDE MIN.) @ WOOD FRAMING & UNDER NAILING FIN @ SIDE OF WINDOWS (JAMB) TYP.

NOTES:
① INDICATES SEQUENCE FOR INSTALLATION
① MOST STOP FLASHING PAPER TYP. OF FLASHING PAPER
THE ACTUAL NUMBER OF FLASHING PIECES REQUIRED IS DETERMINE BY THE RADIUS OF THE OPENING AND THE SIZE OF THE FLASHING. (9" WIDE FLASHING MIN.)
APPLY A CONTINUOUS BEAD OF SEALANT COMPLYING WITH AAMA 800 TO THE BACKSIDE (INTERIOR) OF THE WINDOW MOUNTING FLANGES
AT WINDOW HEAD, JAMBS AND SILL ALL CORROSIVE RESISTANT FASTENERS ARE TO BE NAILED THROUGH FIN NO CLOSER THAN 3" O.C. AND NOT MORE THAN 16" O.C.
FASTENERS SHALL BE WITHIN 10" FROM CORNERS NO NAILS SHALL BE BENT OVER THE NAILING FIN TO SECURE WINDOW
REFER TO AAMA 2400-10 STANDARD PRACTICE FOR INSTALLATION OF WINDOWS WITH MOUNTING FLANGES IN STUD CONSTRUCTION FOR ADDITIONAL REQUIREMENTS

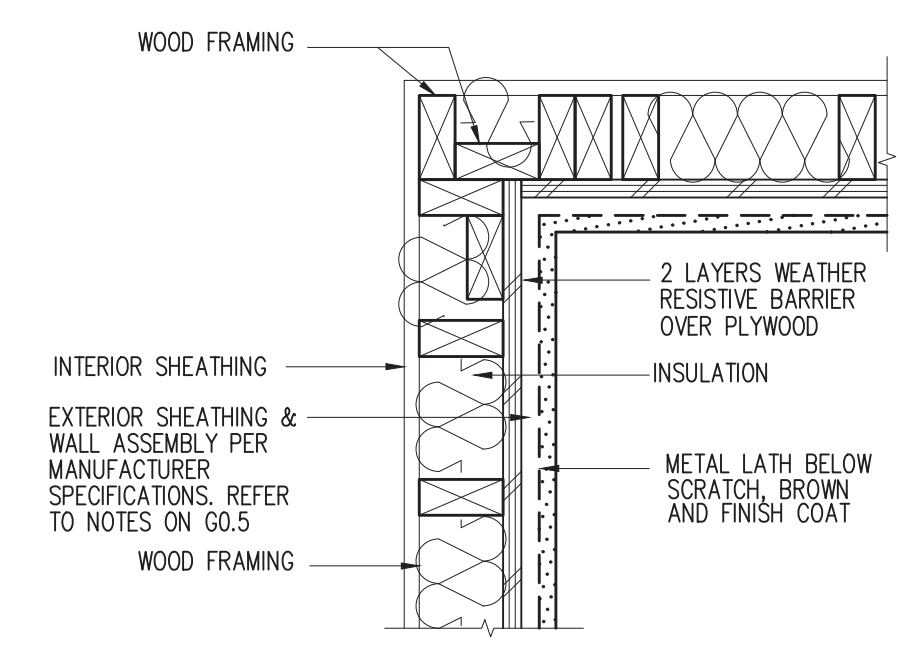
4 TRIM DETAIL RANCH SCALE: NTS



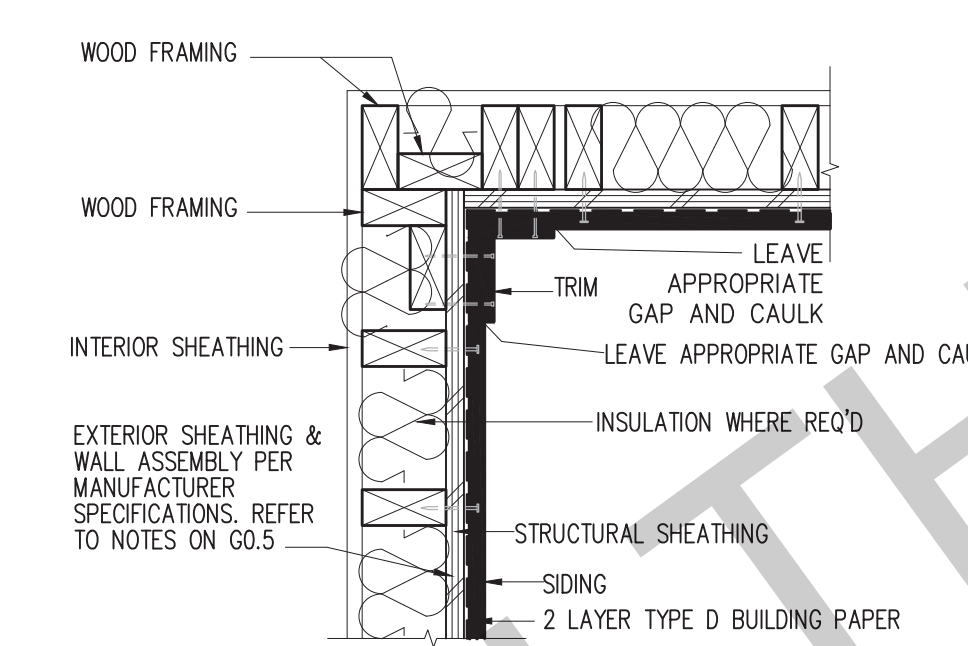
2X STUD 4" LAP TYP.
SHT MET FLASHING
SOLDER ALL JOINTS
6" HGT
1/4"
2"

*PROVIDE SOLID BLOCKING AT ALL FLASHING LOCATIONS

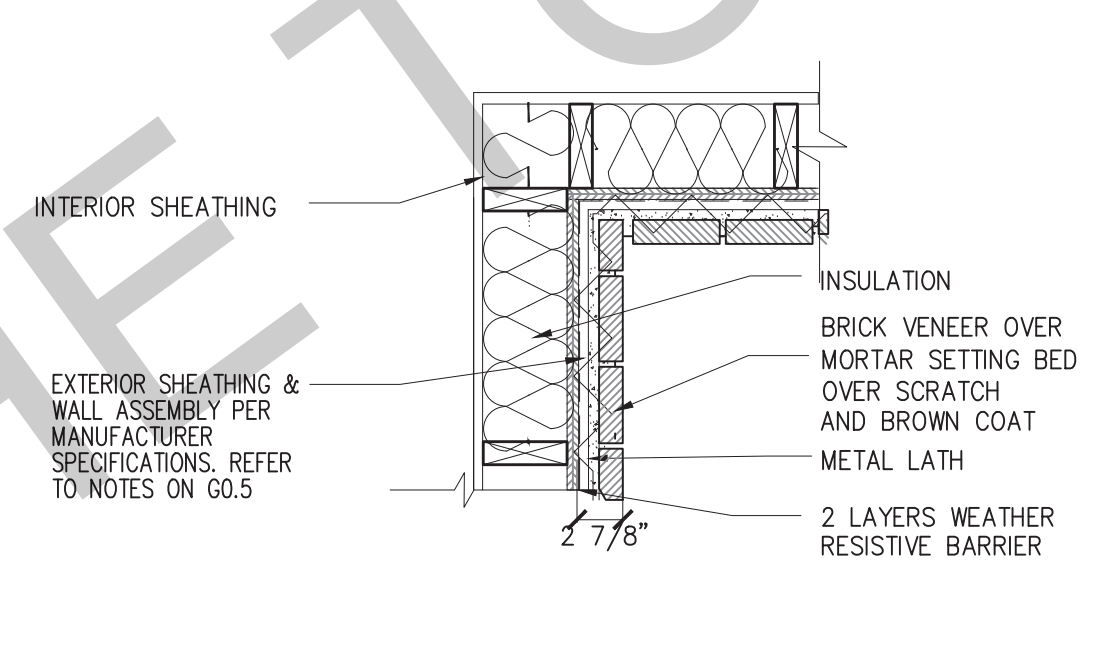
2 DOOR THRESHOLD FLASHING SCALE: 1/2"=1'-0"



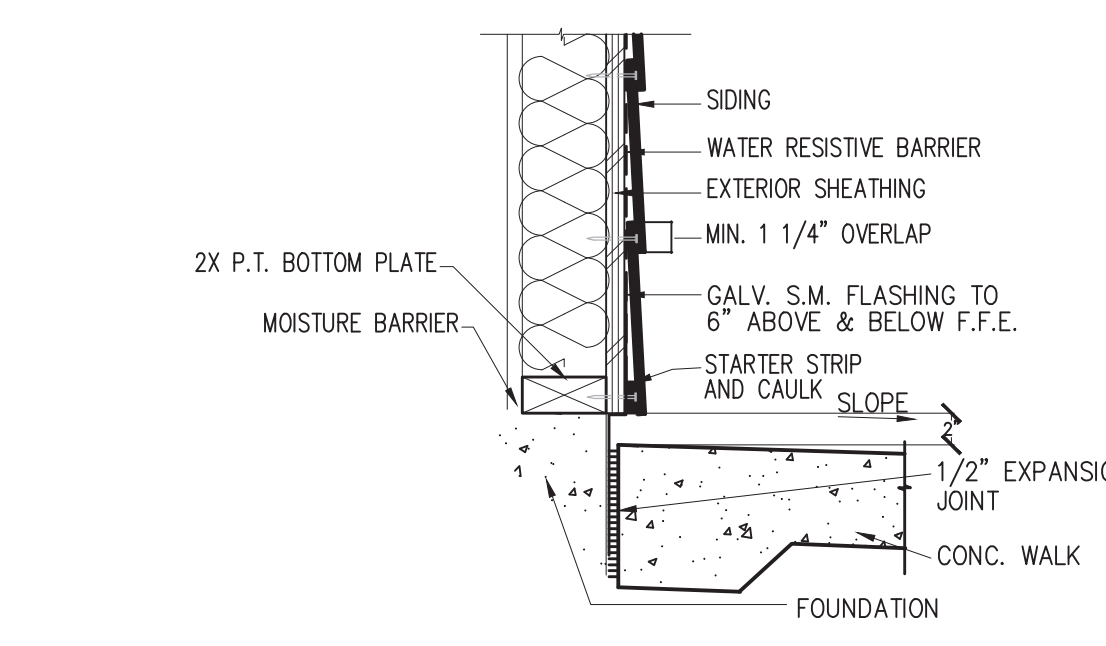
14 STUCCO AT INSIDE CORNER



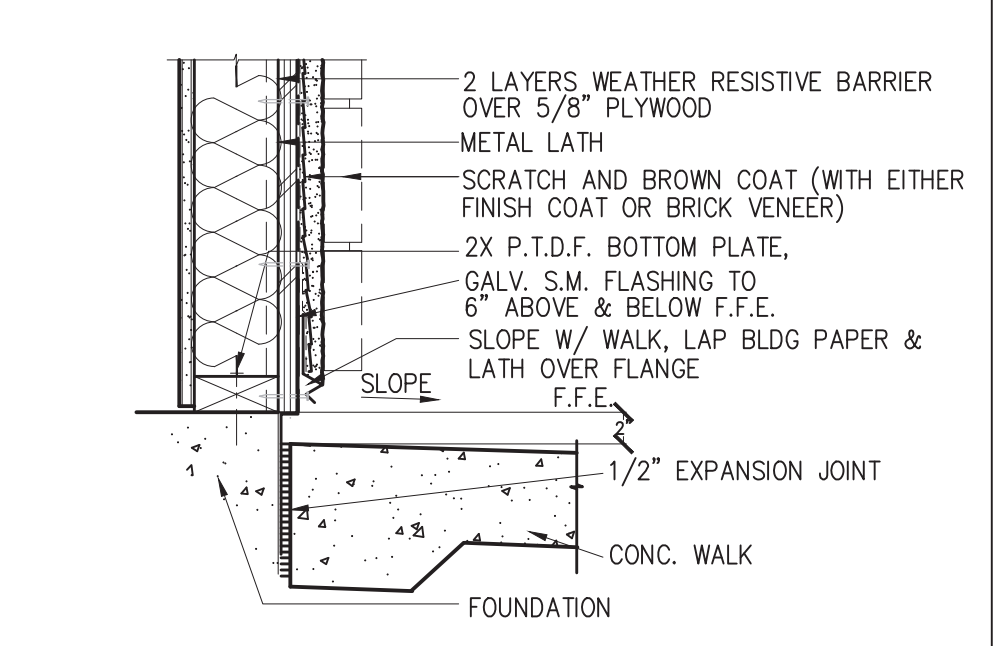
11 SIDING AT INSIDE CORNER



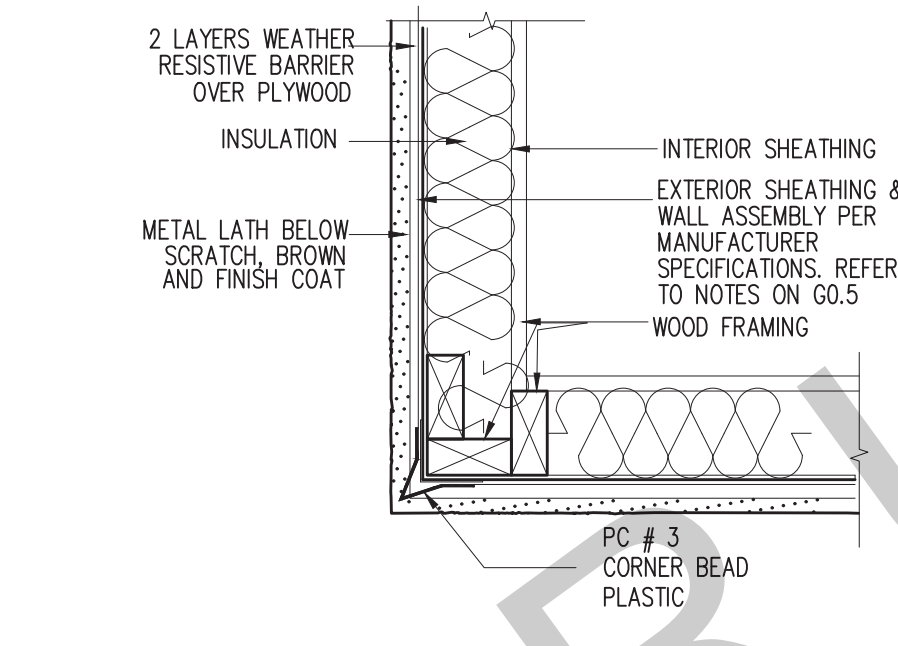
8 TRIM DETAIL RANCH



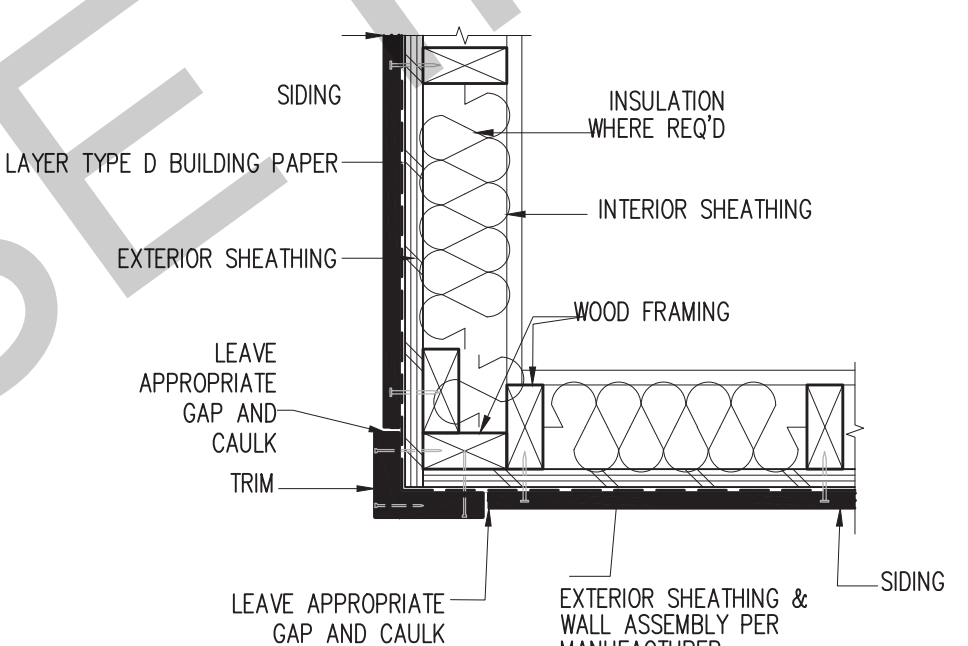
5 WINDOW FLASHING SCALE: NTS



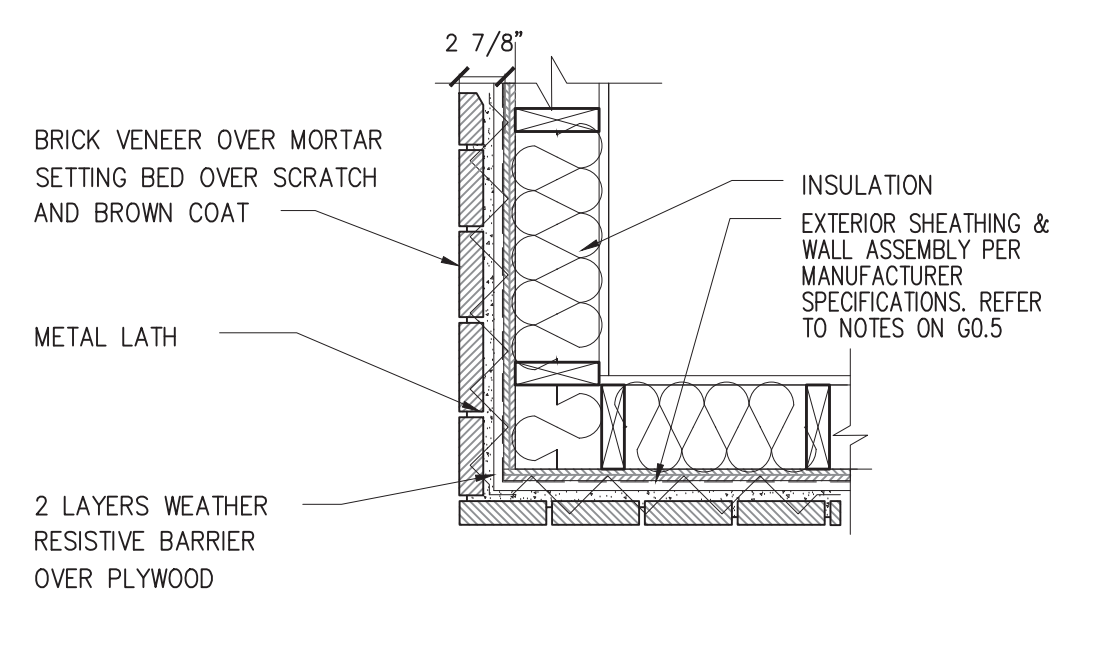
2 WINDOW FLASHING SCALE: 1/2"=1'-0"



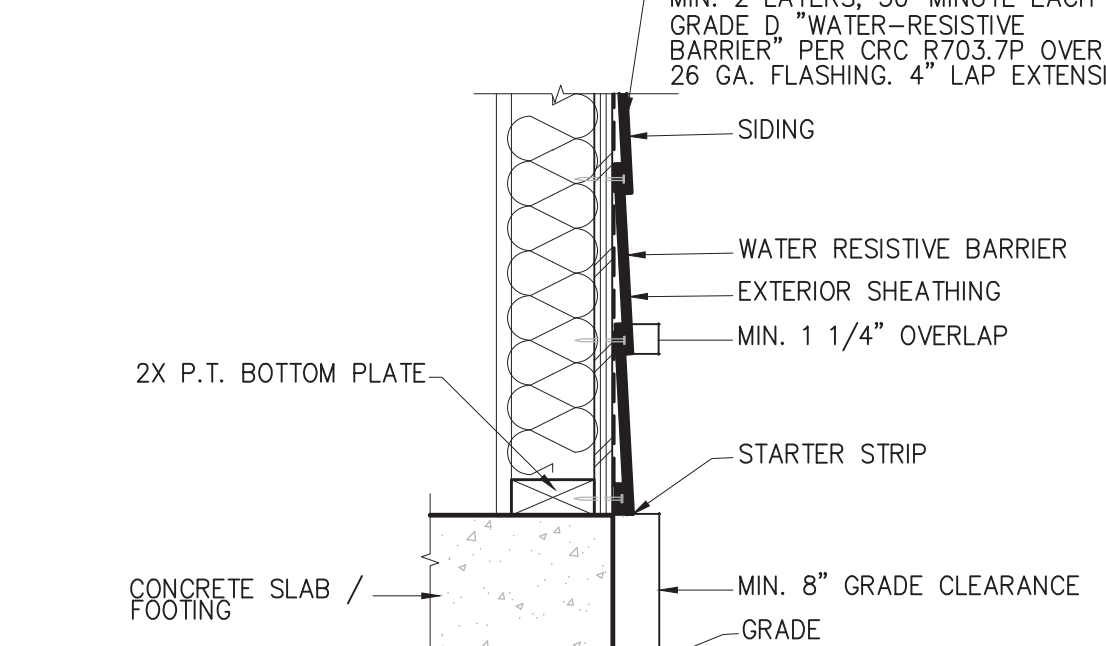
15 FIRE RATED STUCCO WALL SCALE: 1/2"=1'-0"



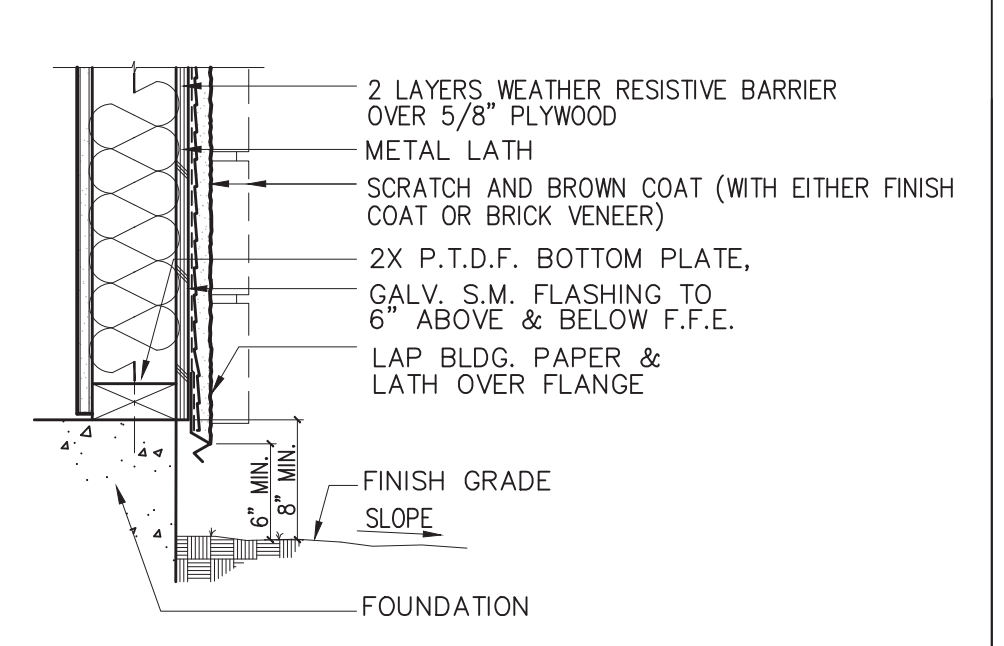
12 FIRE RATED SIDING WALL SCALE: 1/2"=1'-0"



9 FIRE RATED STONE WALL SCALE: 1/2"=1'-0"



6 SIDING - WALL SECTION SCALE: 1/2"=1'-0"



3 STUCCO/STONE - WALL SECTION SCALE: 1/2"=1'-0"

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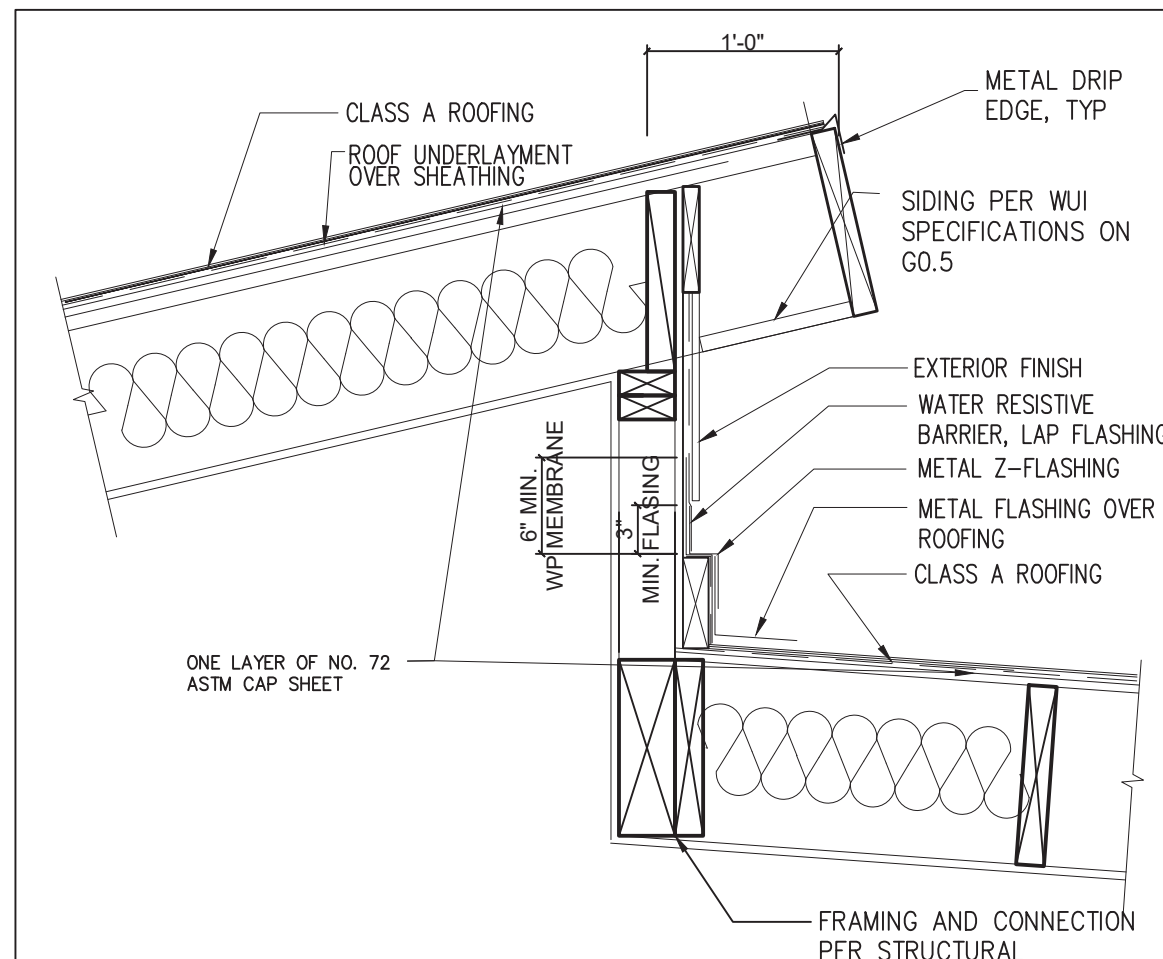
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Architectural
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Details

date ## Month 20##

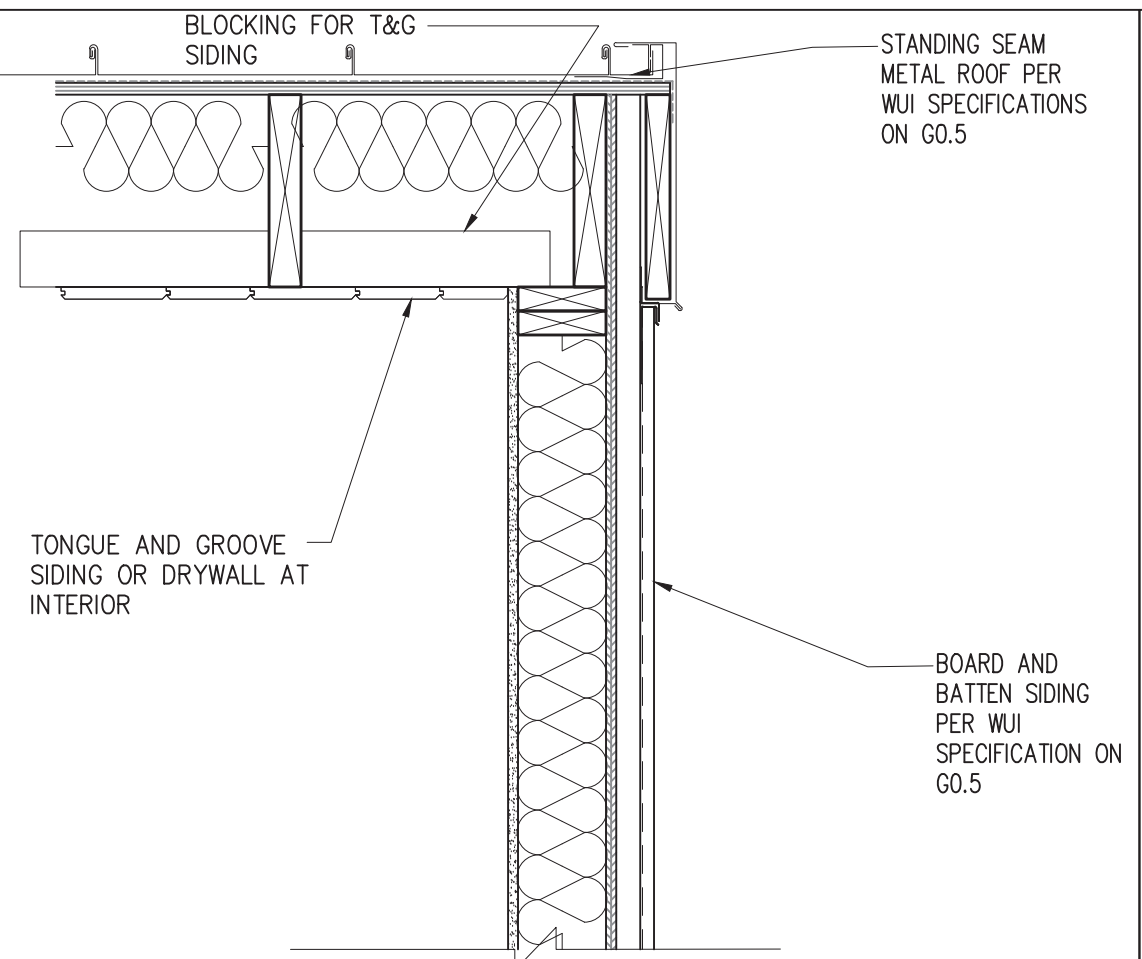
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drawn by xxx/xxx

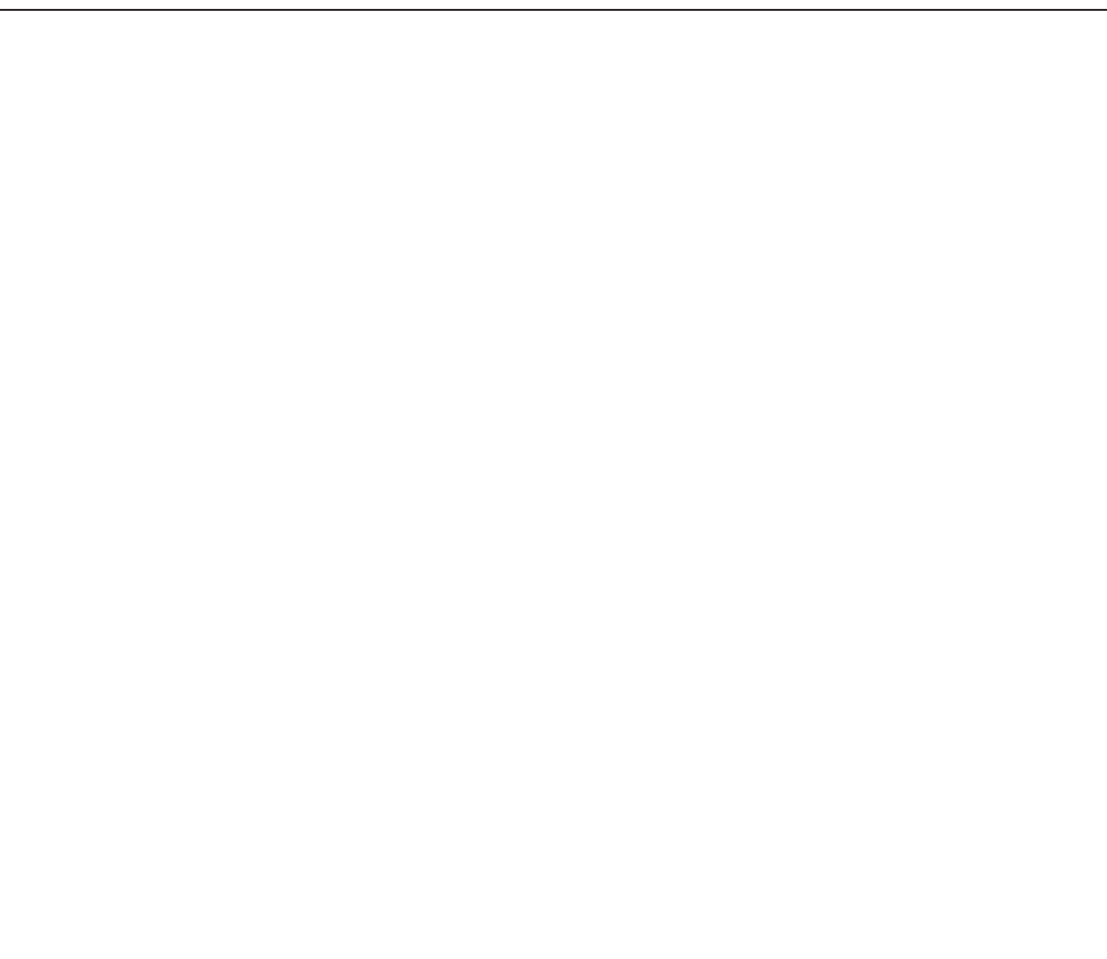
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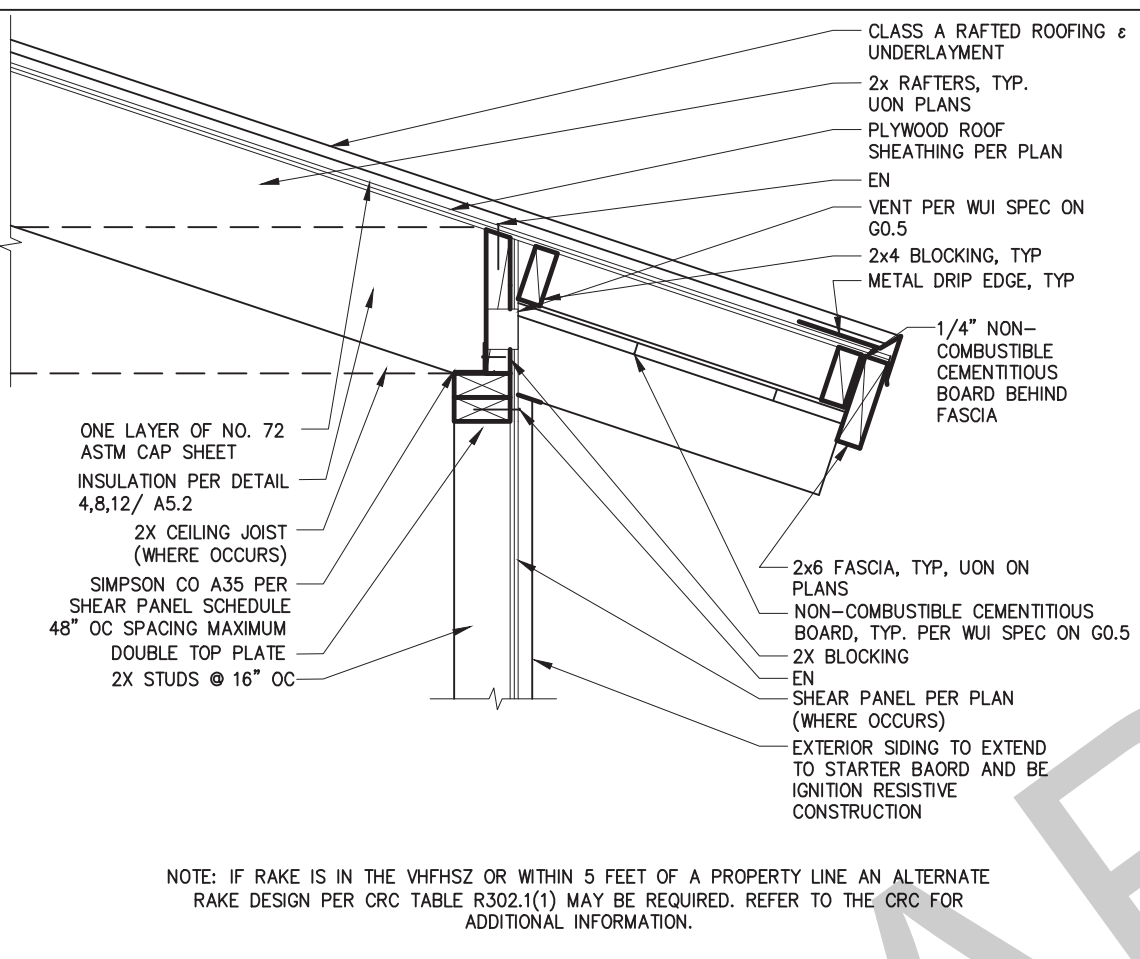
16 ROOF TRANSITION AT COOP SCALE: 1"=1'-0"



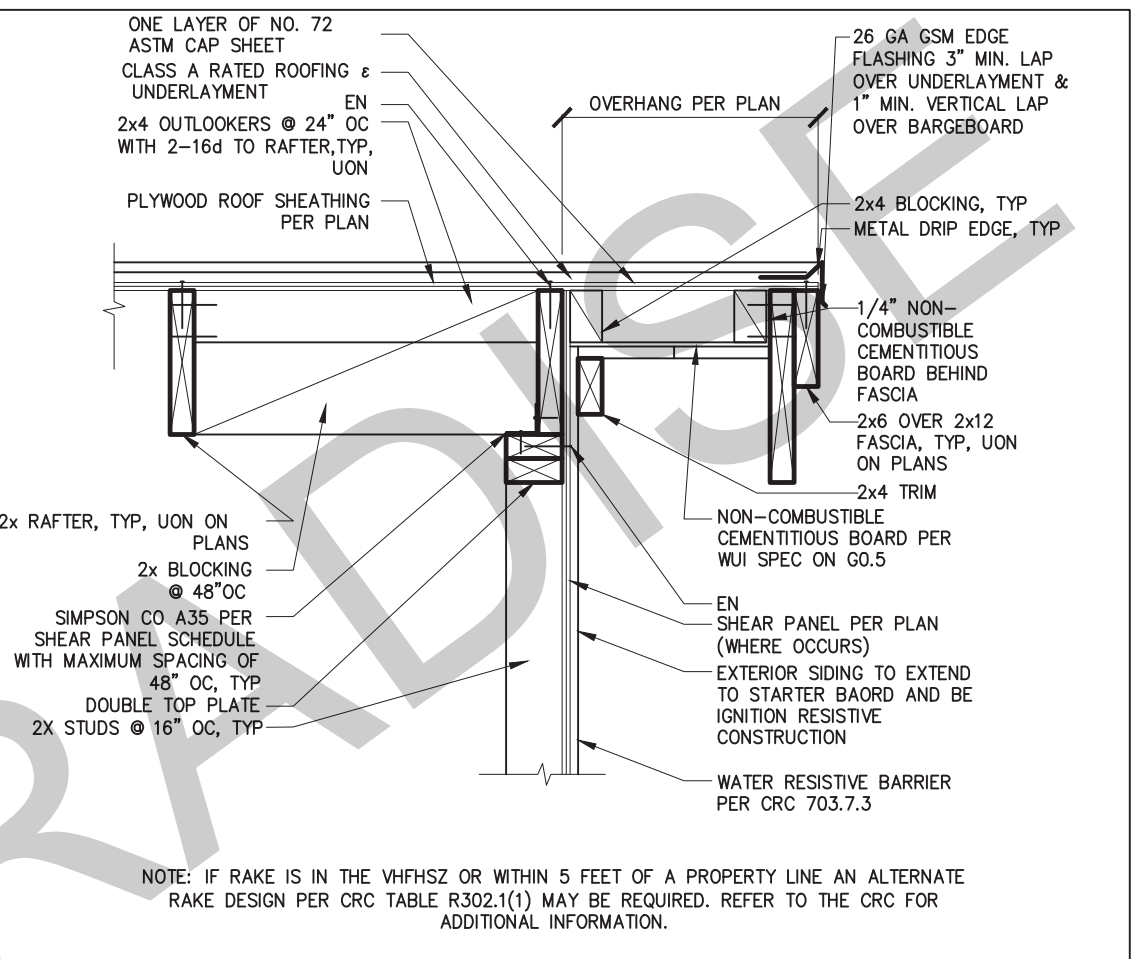
13 EAVE AT BARN SCALE: 1"=1'-0"



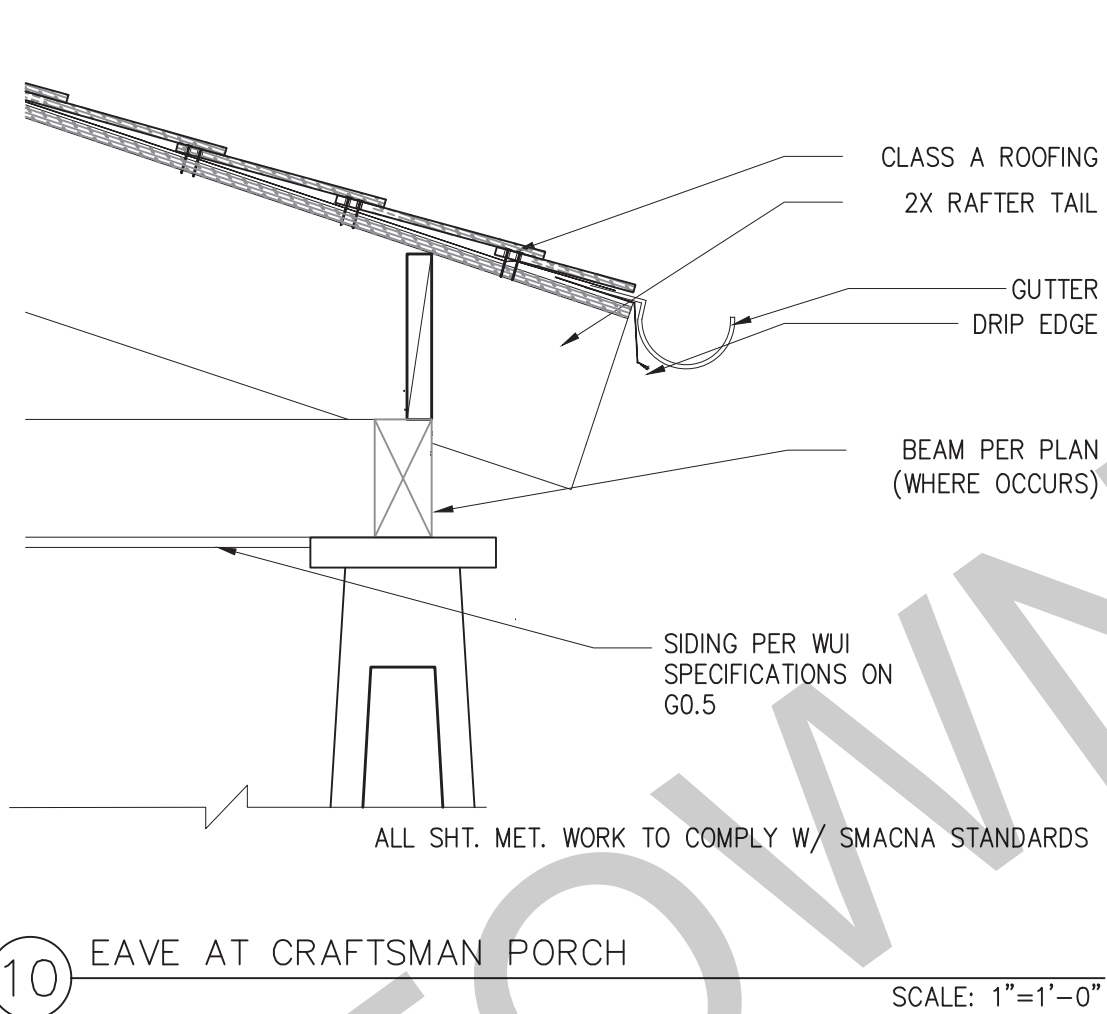
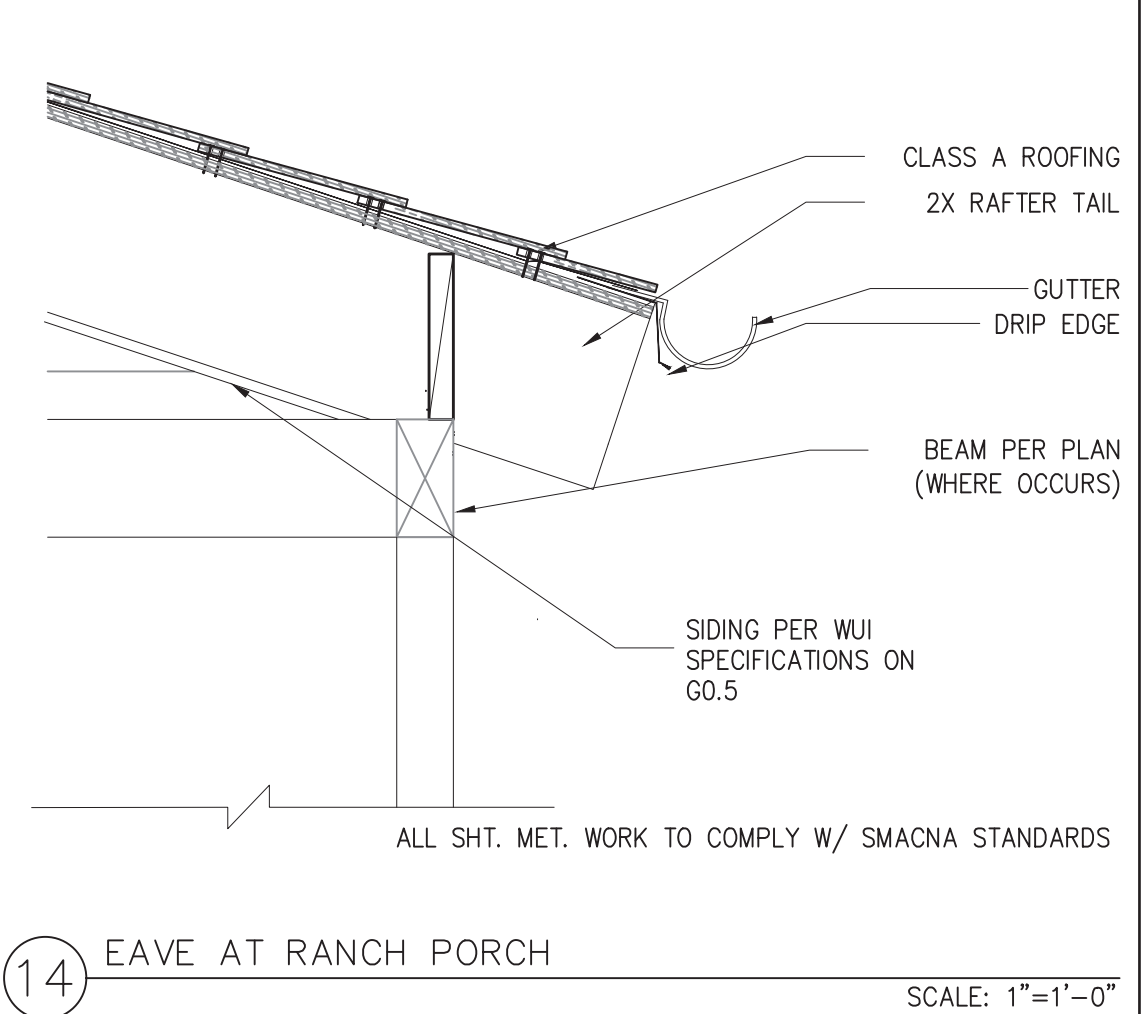
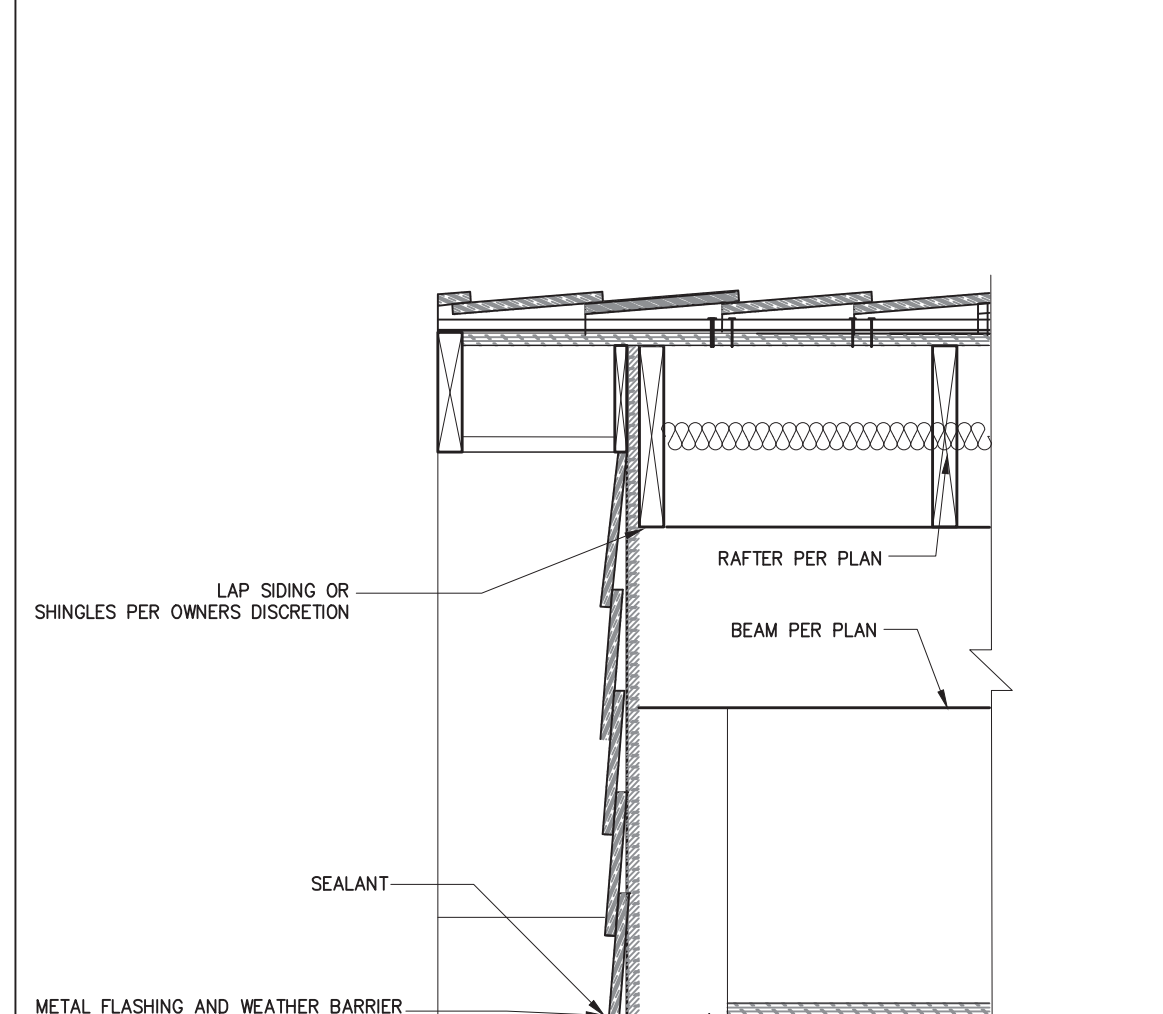
9 SCALE: 1"=1'-0"



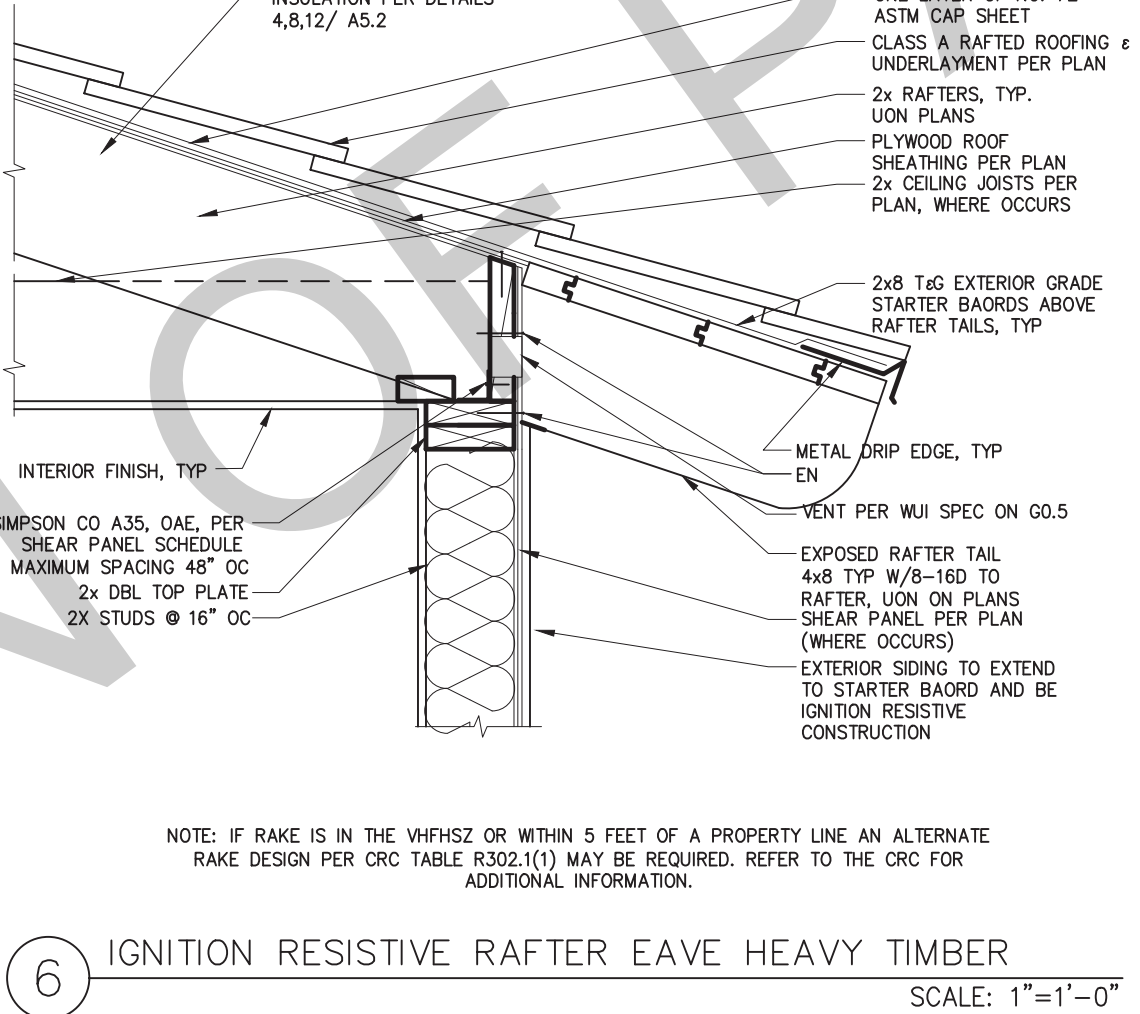
5 IGNITION RESISTIVE EXPOSED RAFTER EAVE SCALE: 1"=1'-0"



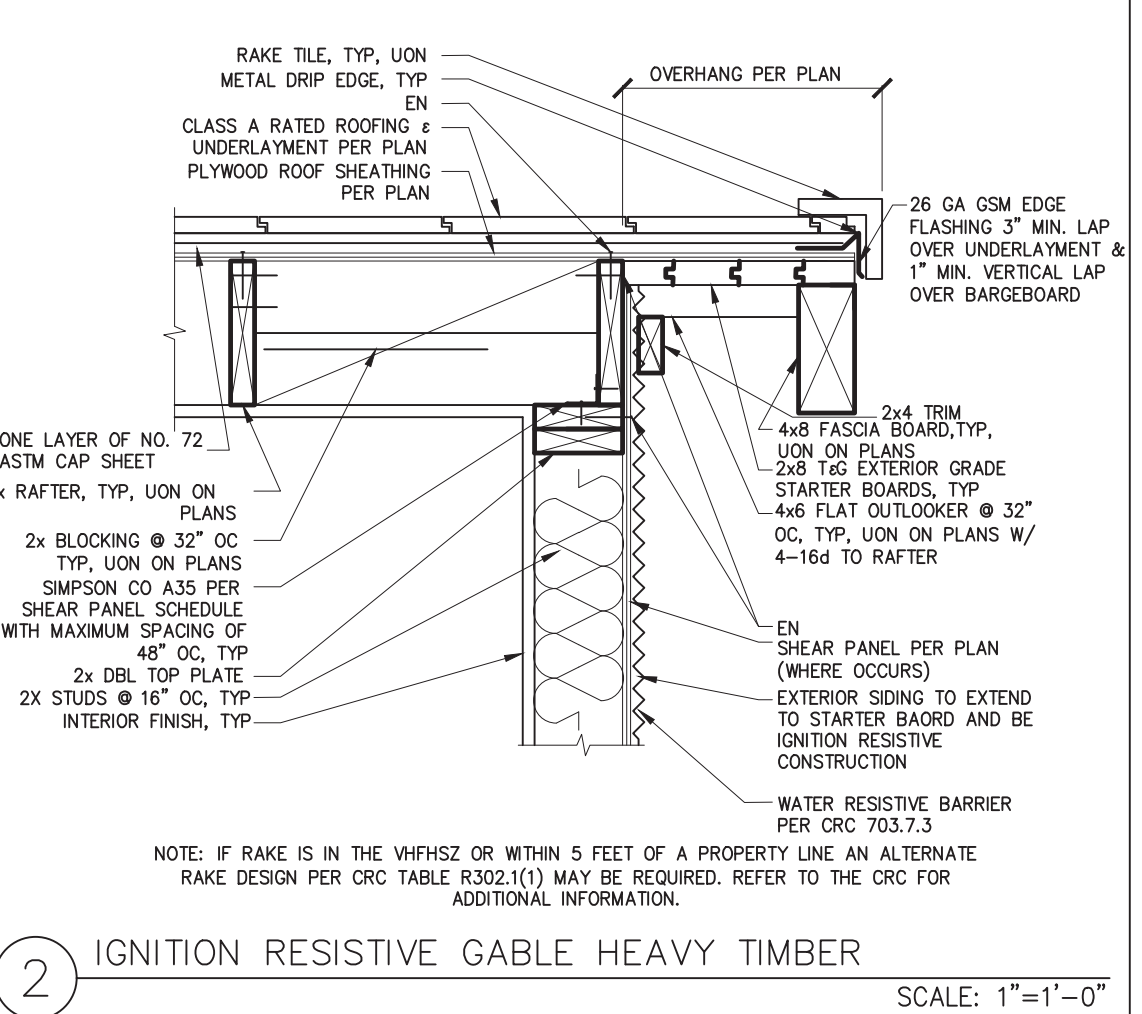
1 IGNITION RESISTIVE GABLE WITH 2x6 & 2x12 FASCIA SCALE: 1"=1'-0"



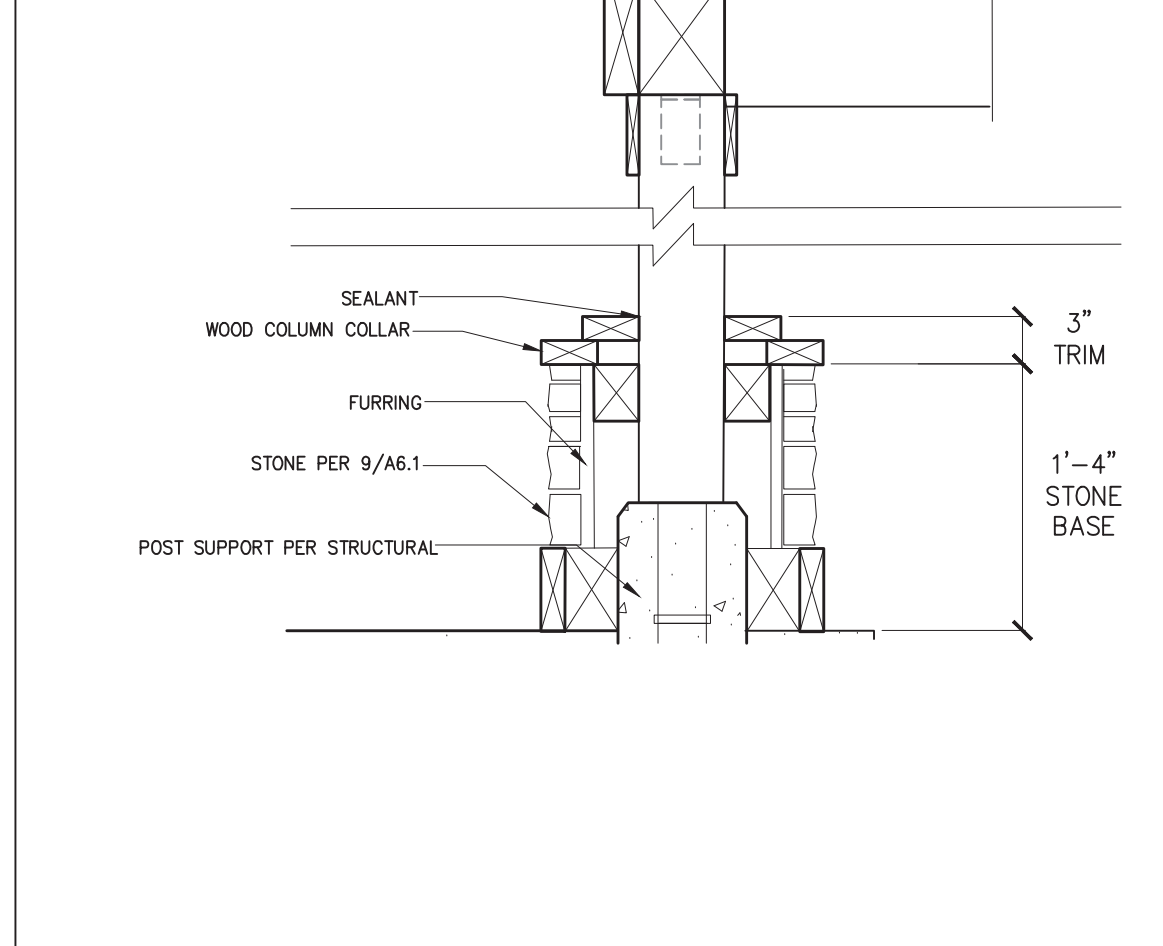
11 EAVE WITH PERPENDICULAR RAFTERS SCALE: 1"=1'-0"



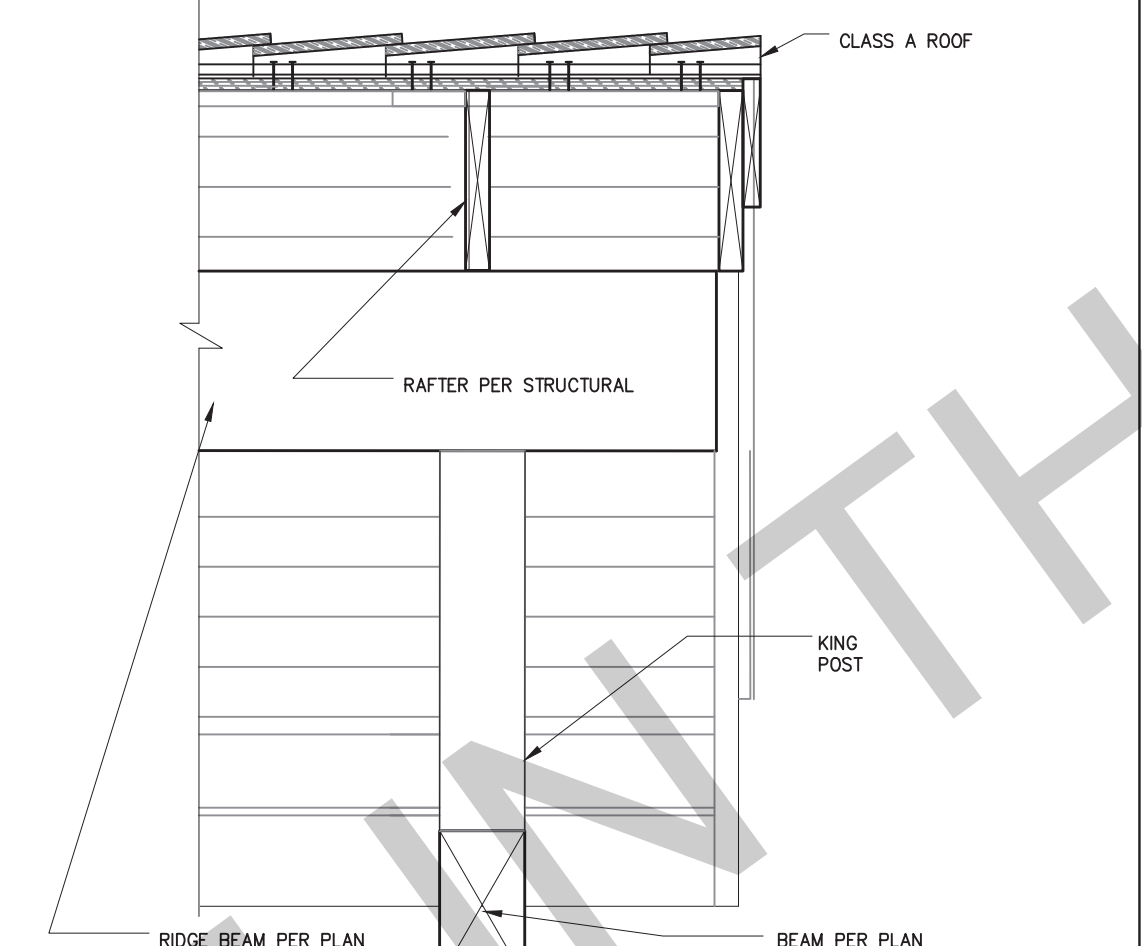
6 IGNITION RESISTIVE RAFTER EAVE HEAVY TIMBER SCALE: 1"=1'-0"



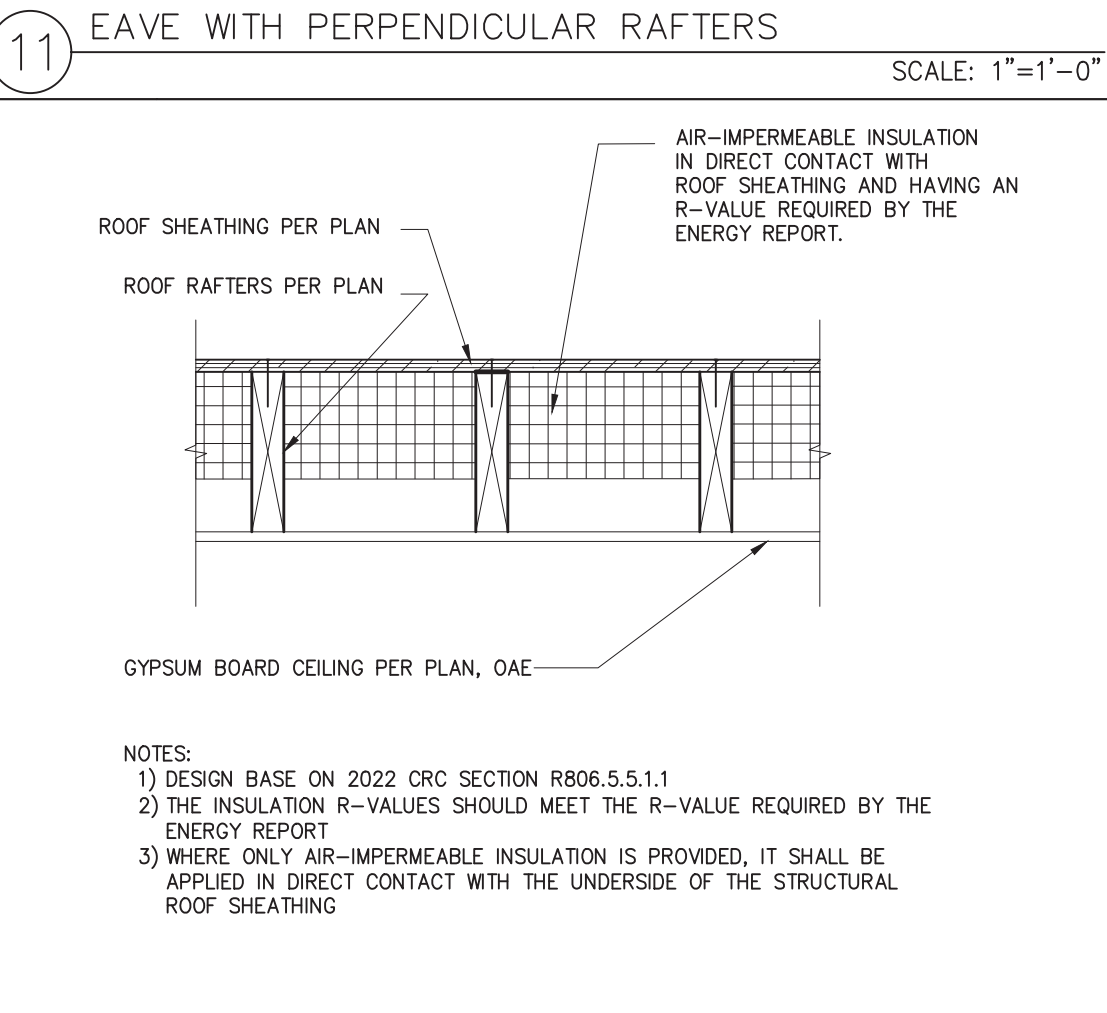
2 IGNITION RESISTIVE GABLE HEAVY TIMBER SCALE: 1"=1'-0"



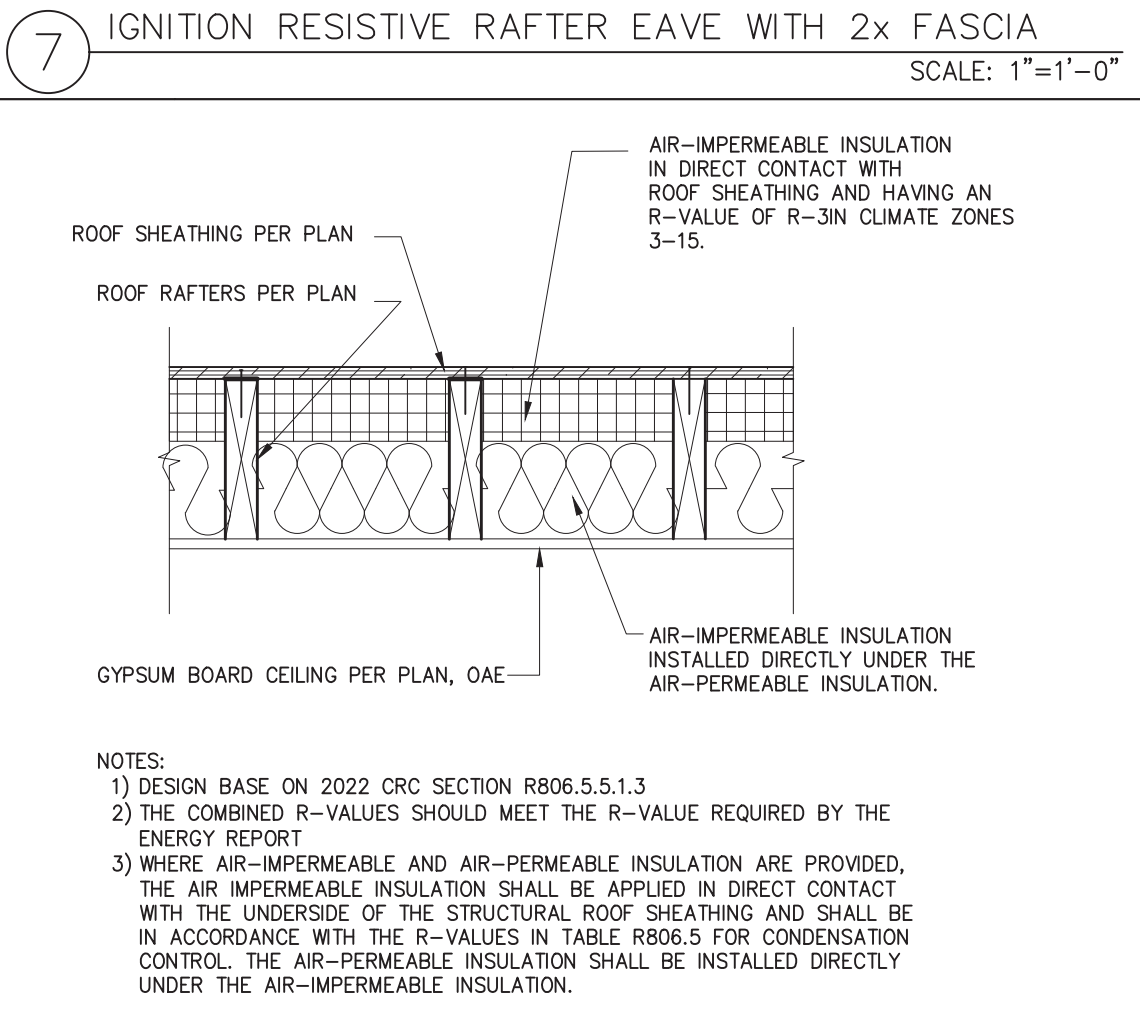
17 COLUMN CONNECTION AT CRAFTSMAN SCALE: 1"=1'-0"



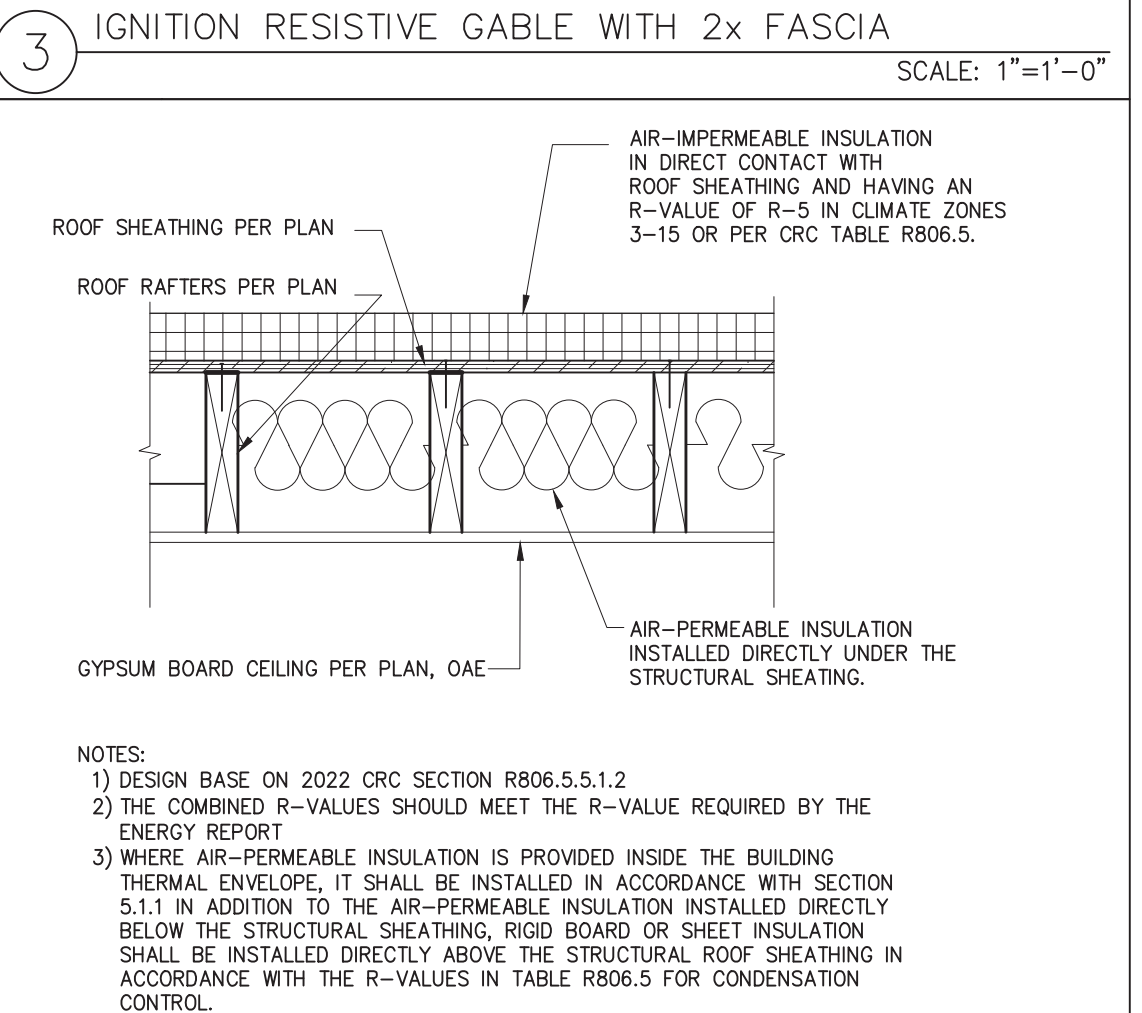
15 GABLE DETAIL AT RANCH PORCH POST SCALE: 1"=1'-0"



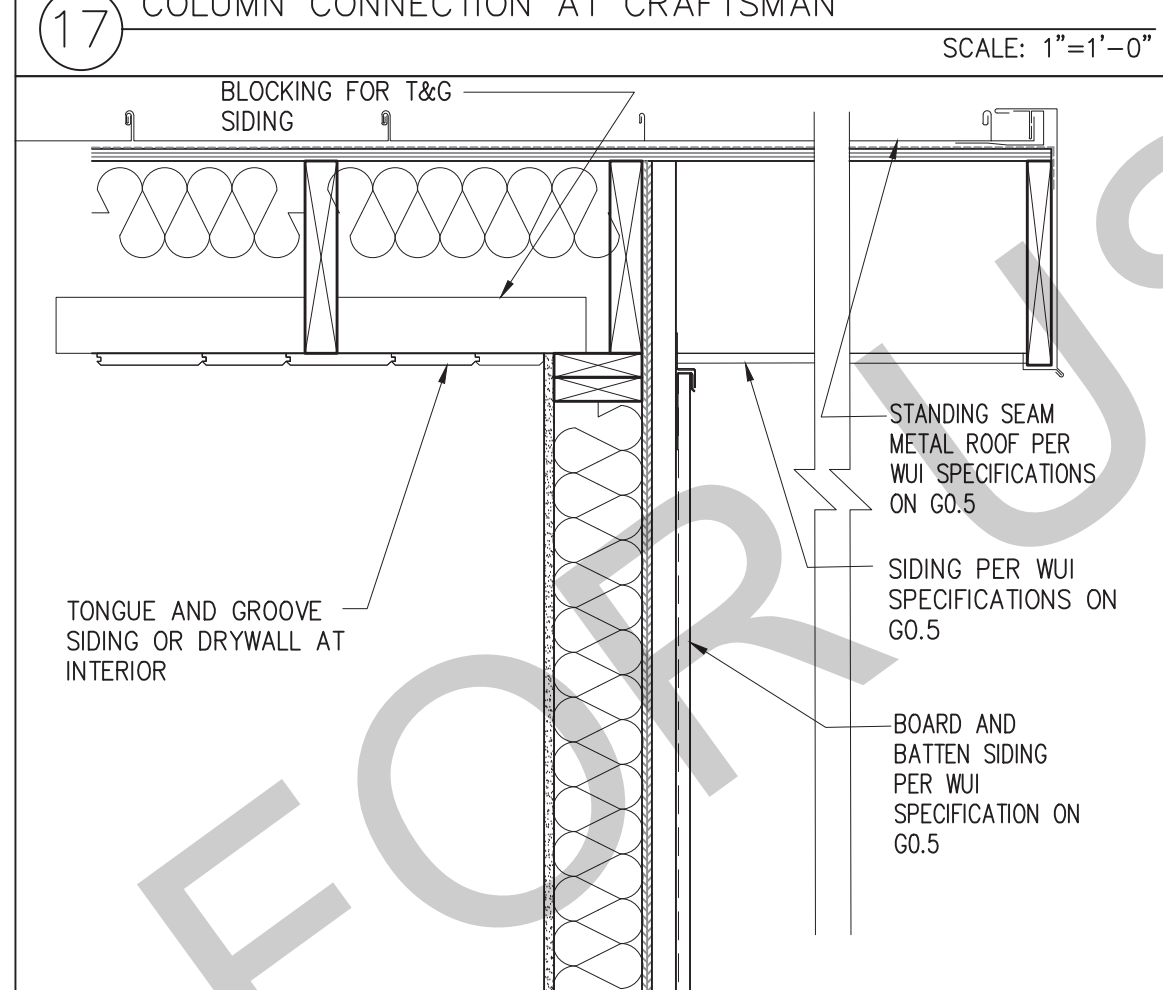
12 INSULATION @ UNVENTED ROOF ASSEMBLY IMPERMEABLE ONLY SCALE: 1"=1'-0"



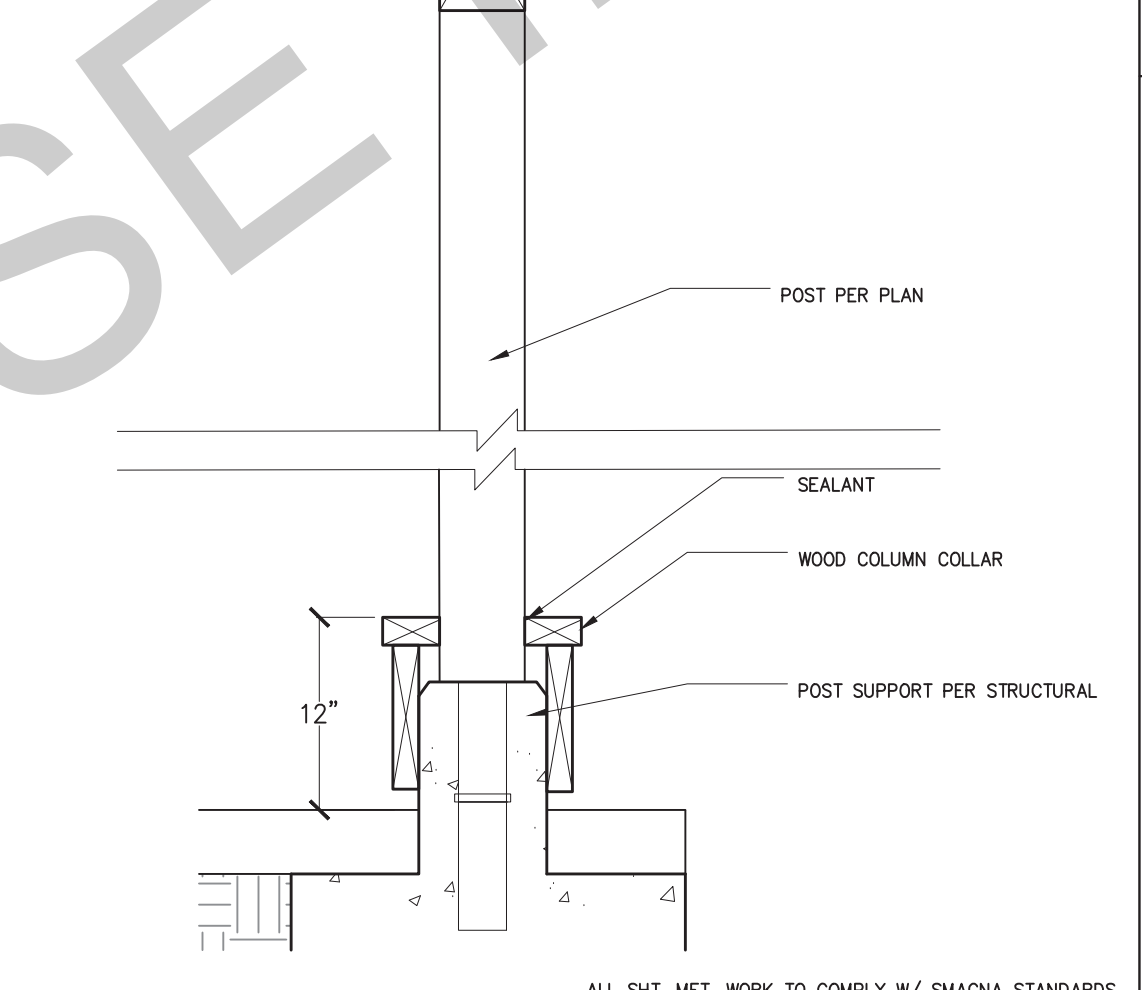
8 INSULATION @ UNVENTED ROOF ASSEMBLY BOTH TYPES SCALE: 1"=1'-0"



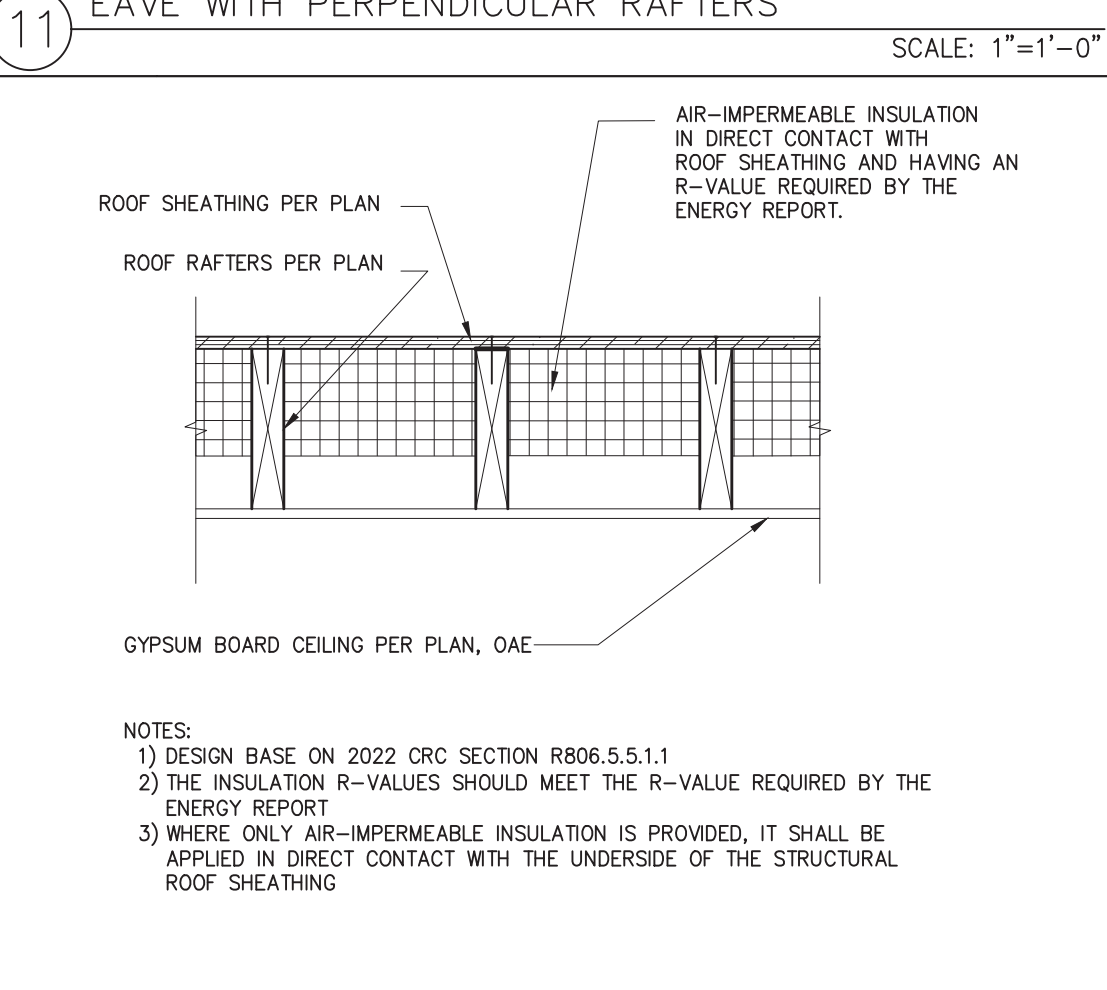
4 INSULATION AT UNVENTED ROOF ASSEMBLY-OVER/UNDER SCALE: 1"=1'-0"



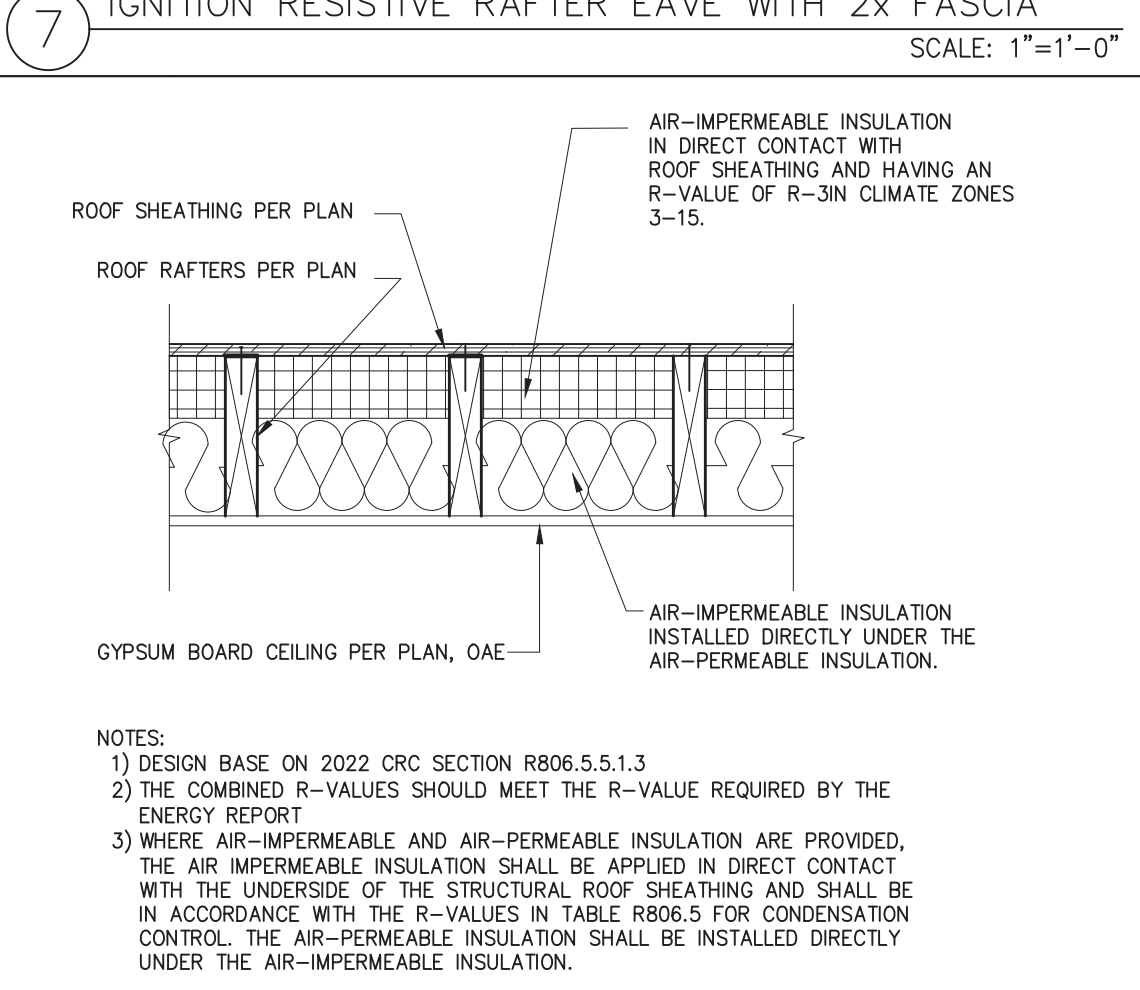
18 EAVE AT BARN PORCH SCALE: 1"=1'-0"



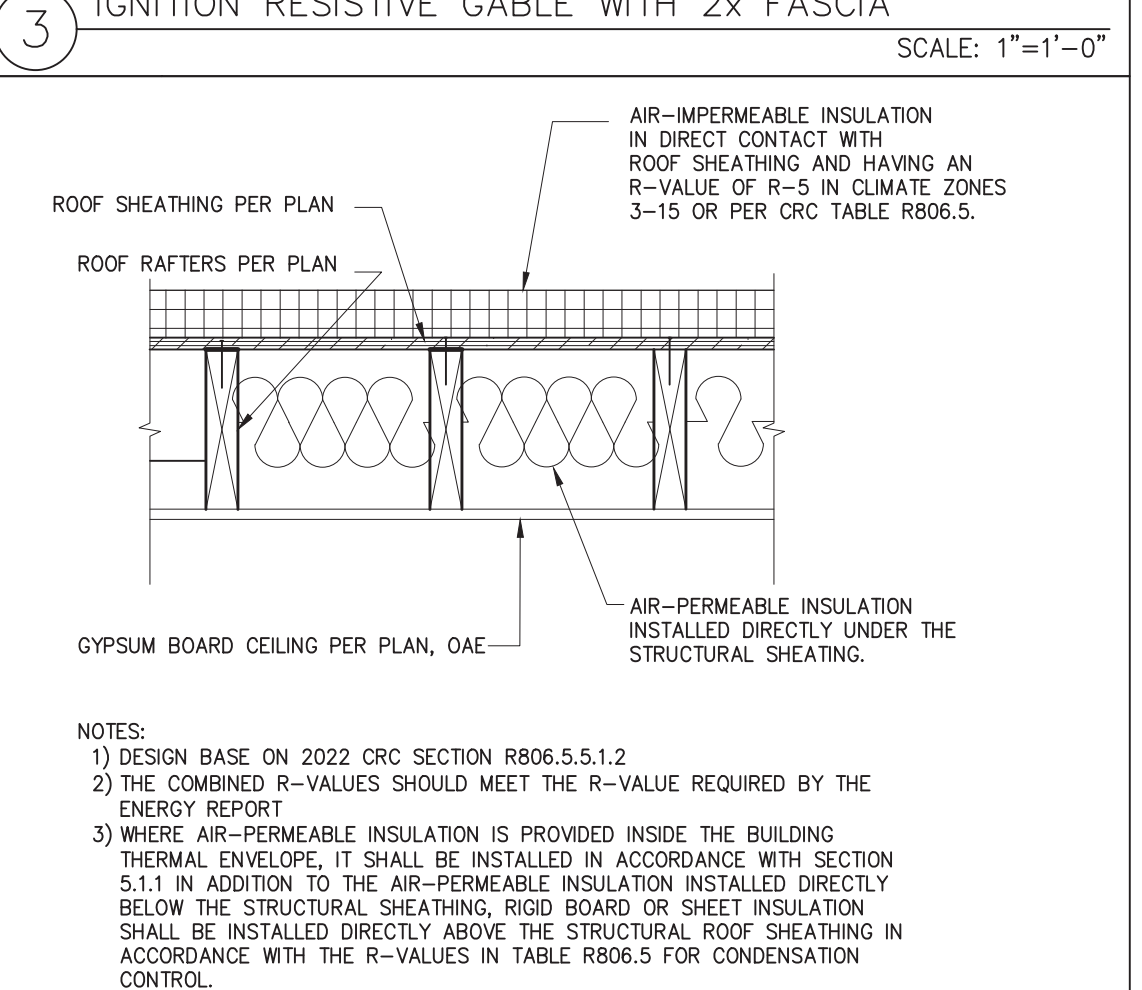
14 EAVE AT RANCH PORCH SCALE: 1"=1'-0"



10 EAVE AT CRAFTSMAN PORCH SCALE: 1"=1'-0"



7 IGNITION RESISTIVE RAFTER EAVE WITH 2x FASCIA SCALE: 1"=1'-0"

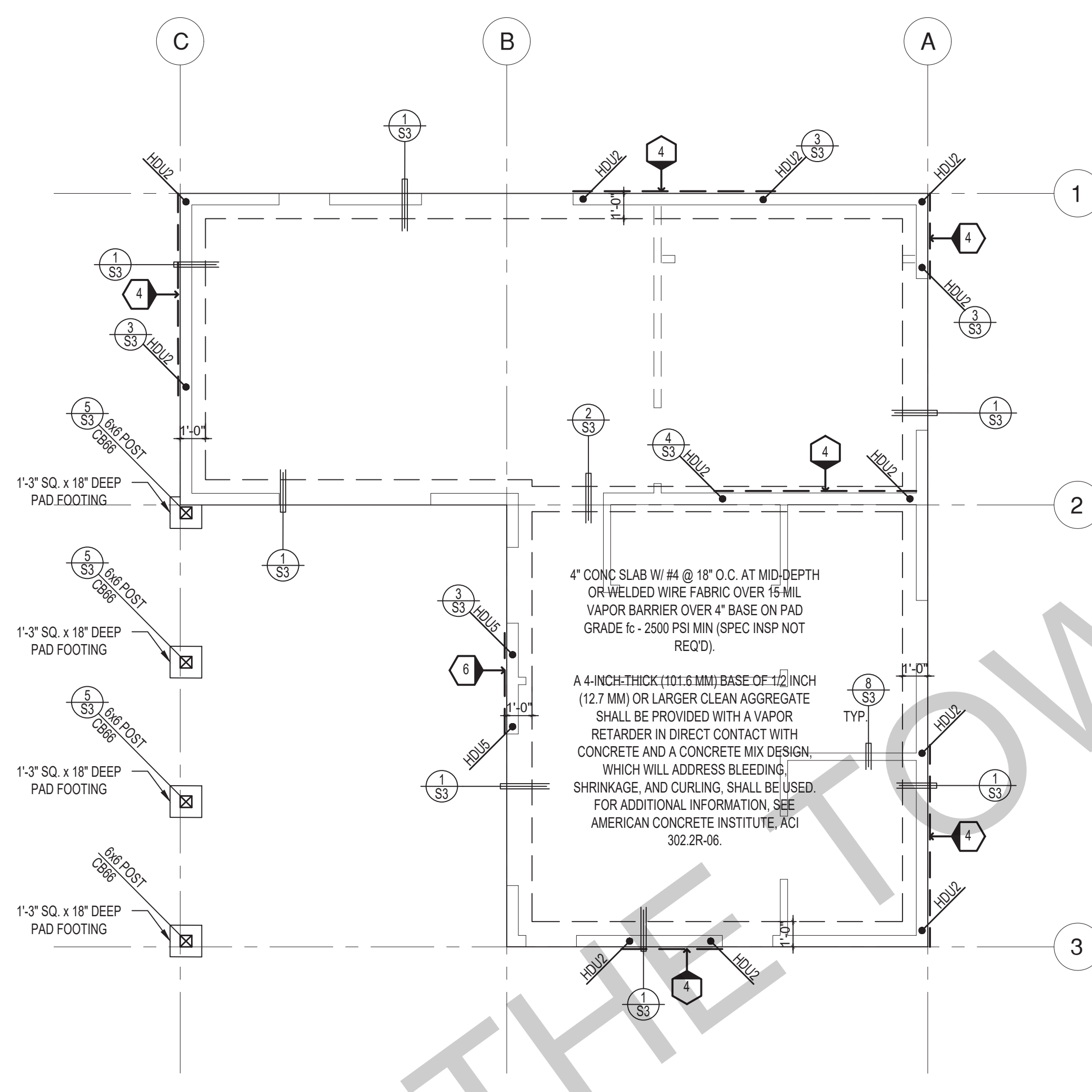


3 IGNITION RESISTIVE GABLE WITH 2x FASCIA SCALE: 1"=1'-0"

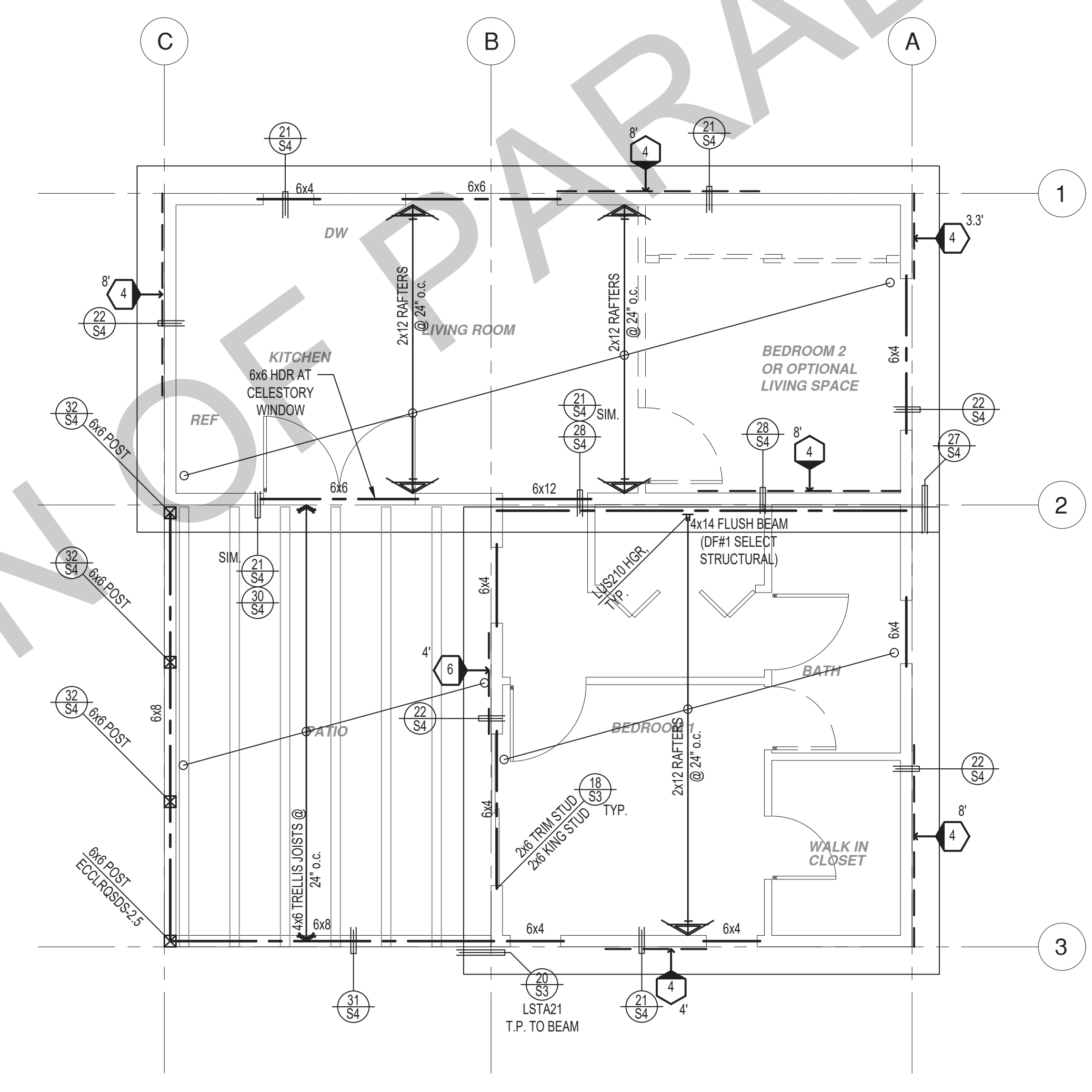
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3. THE DESIGNS REPRESENTED BY THESE PLANS OR COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION.
4. THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project
Town of Paradise
Pre-Approved
ADU Program
revisions
description
Architectural
Roof Finish
Details
date
Month 20##
project no.
20##_xxxxxx
drawn by
xxx/xxx
sheet no.
A5.2

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



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

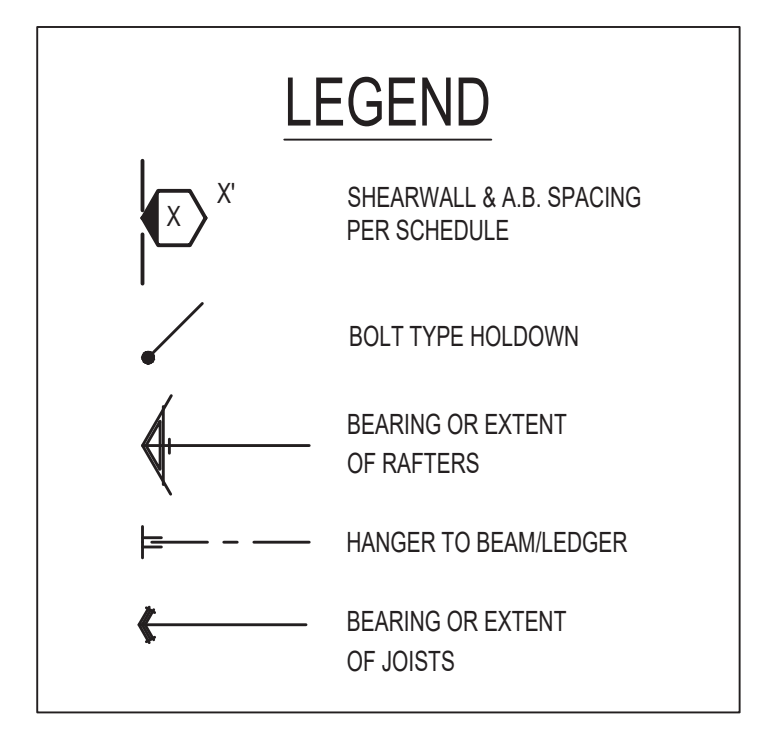
SHEAR WALL SCHEDULE (ASD VALUES)

	4	5	6	7	8	9
SHEAR WALL DESCRIPTION (See footnotes 1 & 4)	$\frac{3}{8}$ " ply, C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnote 3)	$\frac{3}{8}$ " ply, C-D or C-C sheathing, (1) side w/ 8d @ 4 1/2" o/c edge, 12" o/c field, blocked (See footnote 3)	$\frac{3}{8}$ " ply, C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	$\frac{3}{8}$ " rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	$\frac{1}{2}$ " 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)	$\frac{1}{2}$ " 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	$\frac{3}{8}$ " @ 48" or $\frac{1}{2}$ " @ 32"	$\frac{3}{8}$ " @ 32" or $\frac{1}{2}$ " @ 24"	$\frac{3}{8}$ " @ 24" or $\frac{1}{2}$ " @ 16"	$\frac{3}{8}$ " @ 24" or $\frac{1}{2}$ " @ 16"	$\frac{3}{8}$ " @ 16" or $\frac{1}{2}$ " @ 24"	$\frac{3}{8}$ " @ 12" or $\frac{1}{2}$ " @ 8"
16d (0.148") SILL NAILING	6"	4 1/2"	3 1/2"	3"	$\frac{1}{2}$ " x 4 1/2" SDS screws @ 8"	$\frac{1}{2}$ " x 4 1/2" SDS screws @ 8"
SPACING OF A36/LTP4 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

- (1) AT PLYWOOD OR OSB PS-1 OR PS-2 RATED PANELS USE COMMON NAILS OR GALVANIZED BOX NAILS (2) LAYERS OF PAPER EXTERIOR PLYWOOD REQUIRED. SHEARWALL BE APPLIED OVER STUDS @ 16" O.C. GALVANIZED NAILS SHALL NOT BE HOT-DIPPED OR TUMBLER.
- (2) SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209, 307, 308, 309, ETC.)
- (3) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE 1/2" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/8" MIN. FROM THE EDGE OF SHEATHING.
- (4) WHERE ALLOWABLE SHEAR VALUES EXCEED 350 PLF (SHEARWALL TYPES 6, 7, 8, & 9) ALL FRAMING RECEIVING NAILING FROM ABUTTING PANEL EDGES SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR (2) 2X MEMBERS NAILED WITH 10D, SPACING EQUAL TO THE E.N. SPACING. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.
- (5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING.
- (*) ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

- FOUNDATION NOTES**
- ALL ANCHOR BOLTS, HOLD-DOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
 - ALL EXTERIOR STUDS TO BE 2x6 @ 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 SH7 S3 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.



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

project
 Town of Paradise
 Pre-Approved
 ADU Program

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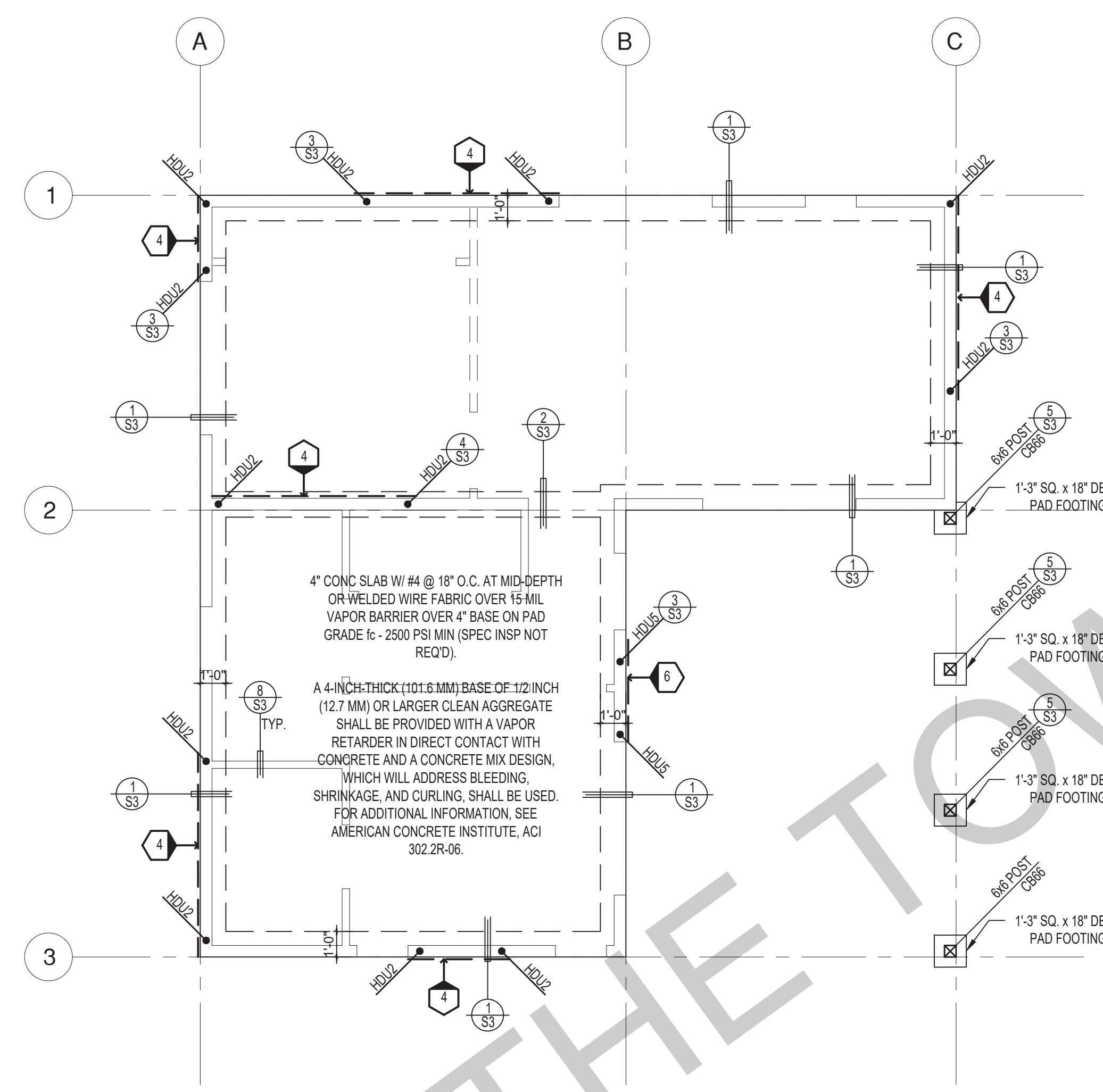
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date ## Month 20##

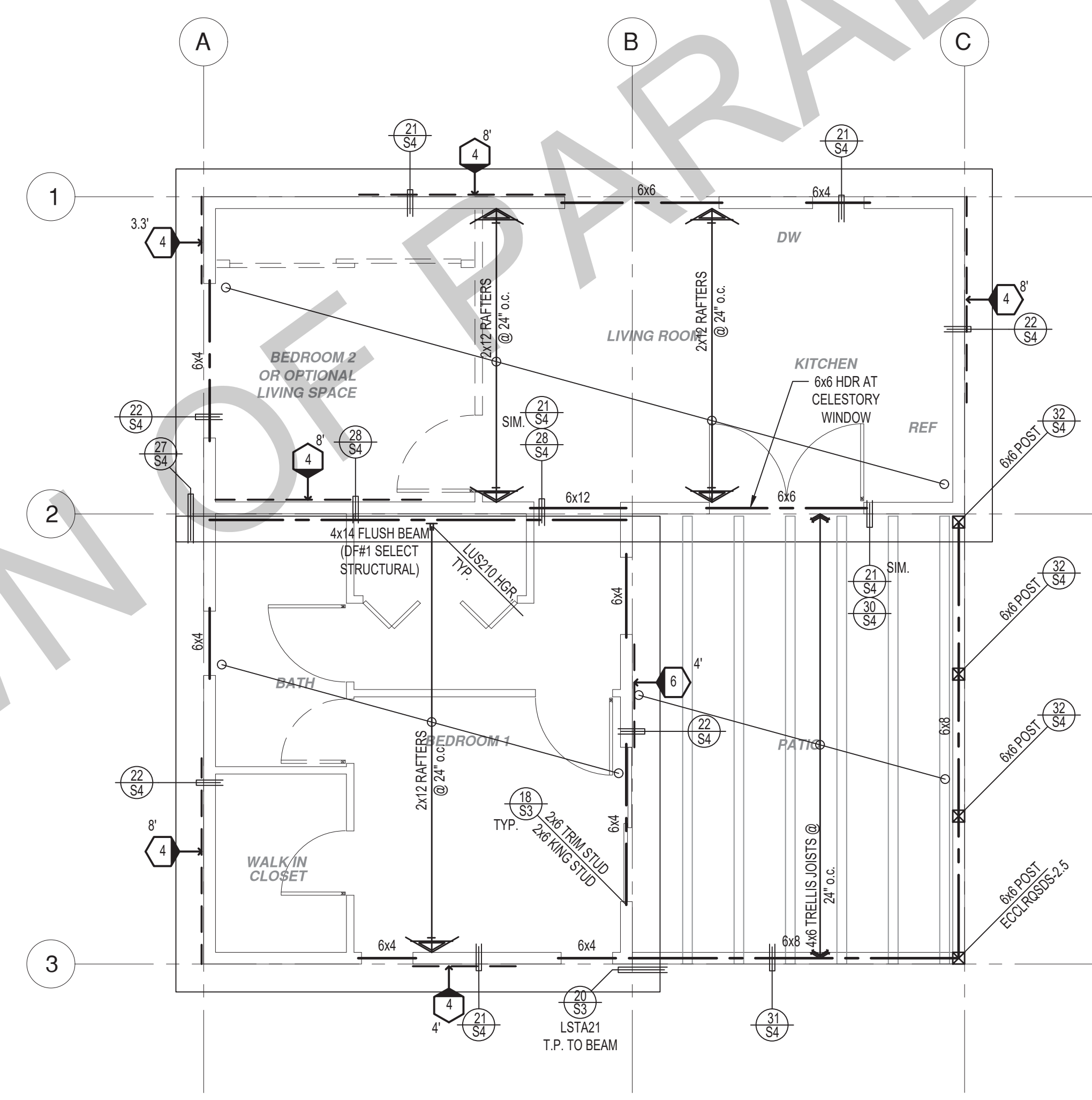
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drawn by xxx/xxx

sheet no. **S2**



FOUNDATION PLAN
1/4"=1'-0"
COOP - REVERSE



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

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)	3/8" 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)	3/8" 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	3/8" @ 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 A36/LTP4 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.
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- 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.

FOUNDATION NOTES

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
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- 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 S3 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.

LEGEND

- X' SHEARWALL & A.B. SPACING PER SCHEDULE
- BOLT TYPE HOLDOWN
- BEARING OR EXTENT OF RAFTERS
- HANGER TO BEAM/LEDGER
- BEARING OR EXTENT OF JOISTS

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

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project
Town of Paradise
Pre-Approved
ADU Program

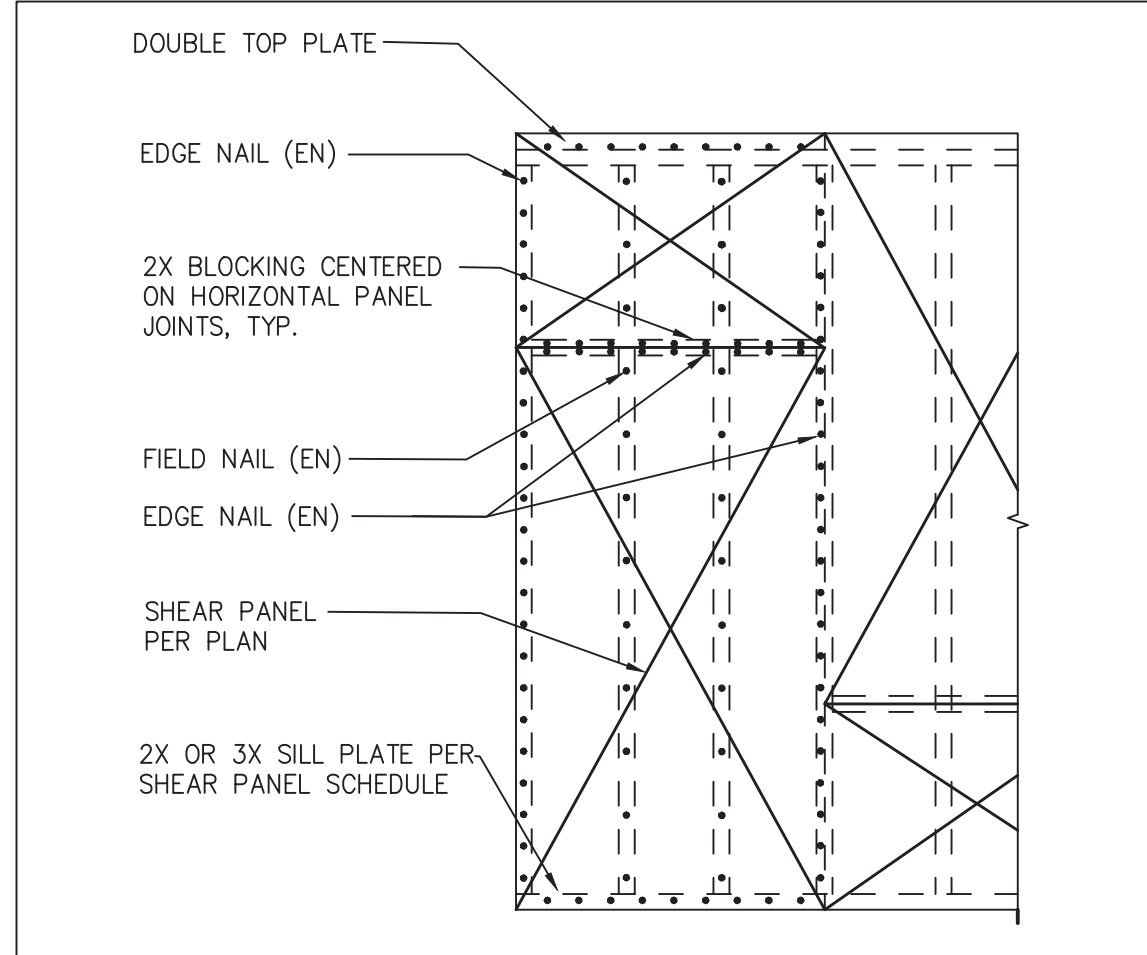
revisions
 description
Foundation & Framing Plan - Reverse

date ## Month 20##

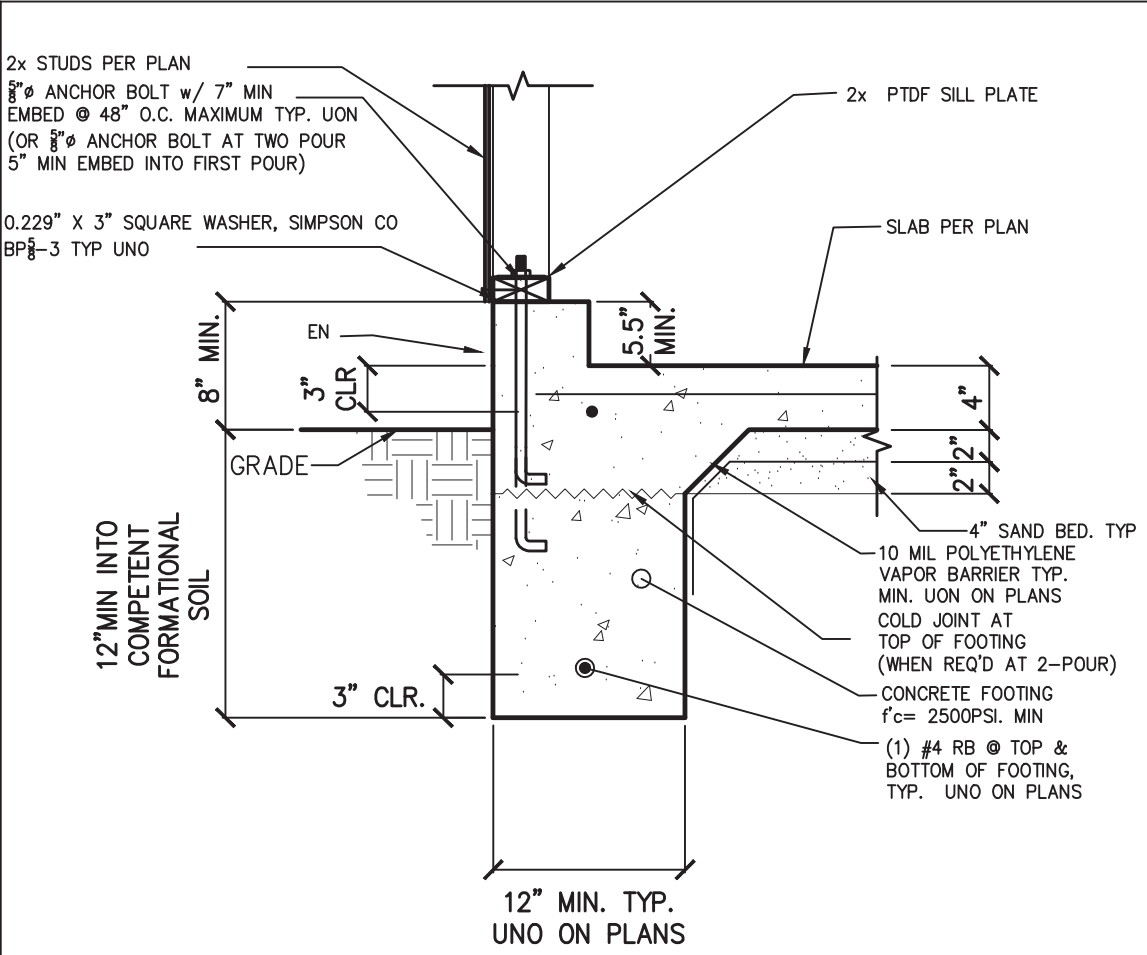
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drawn by xxx/xxx

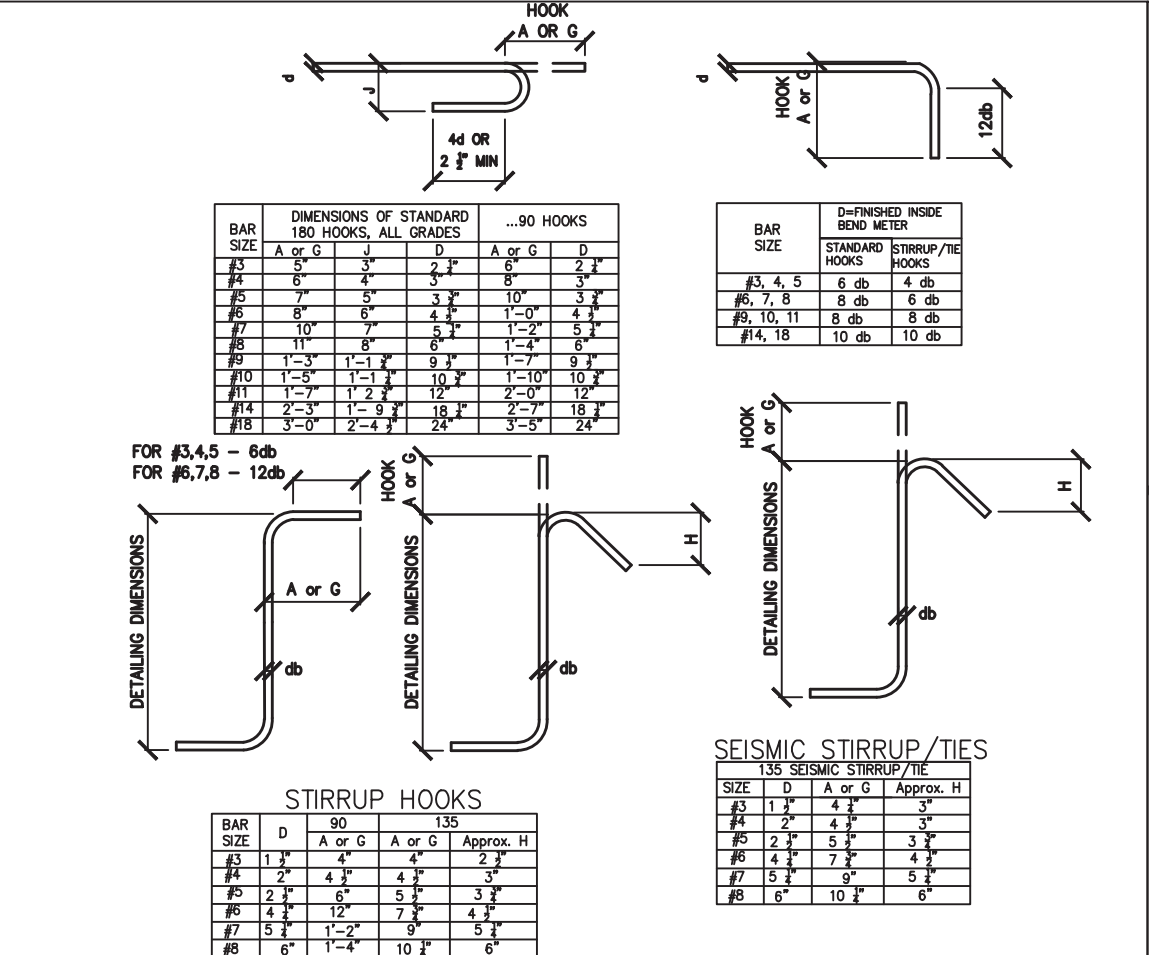
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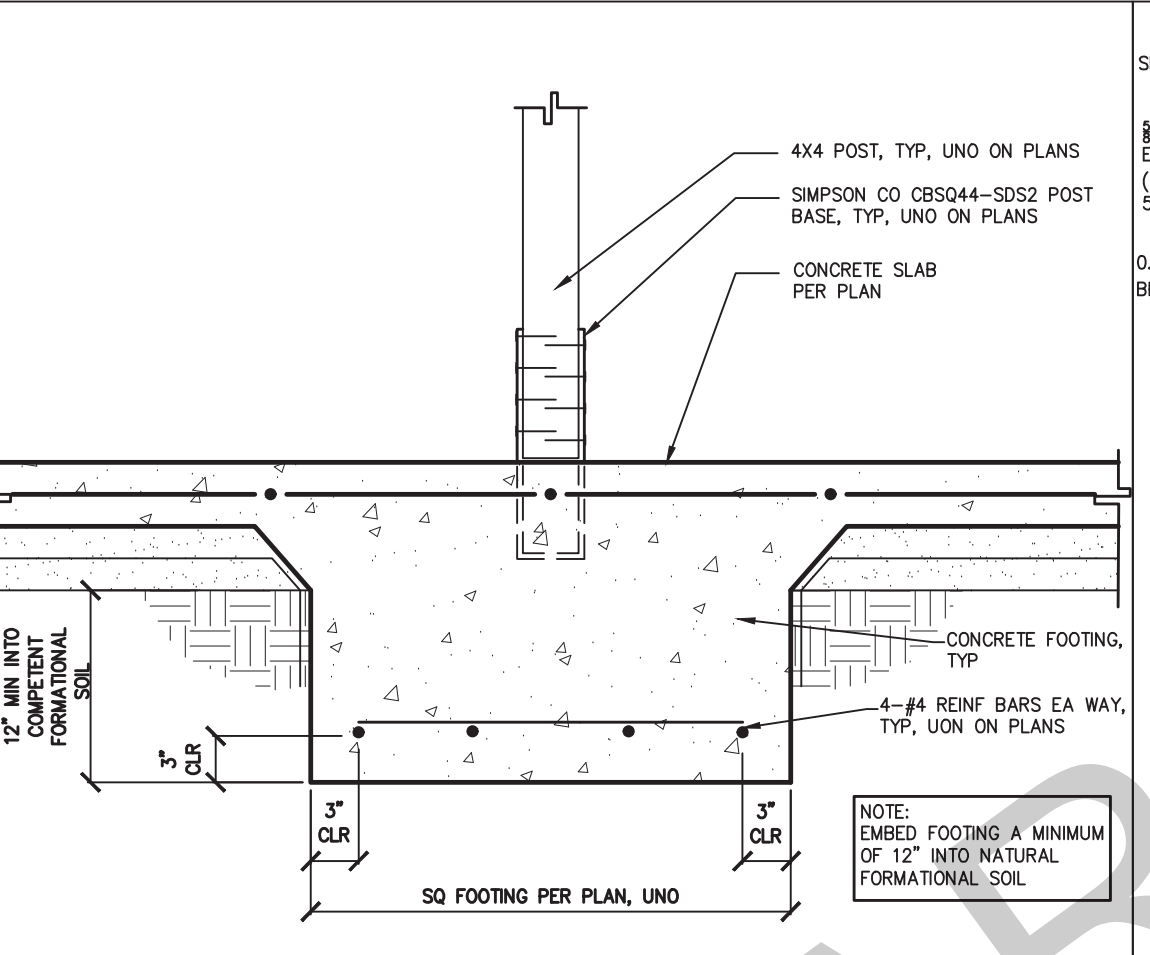
17 TYPICAL SHEAR PANEL SCALE: NTS



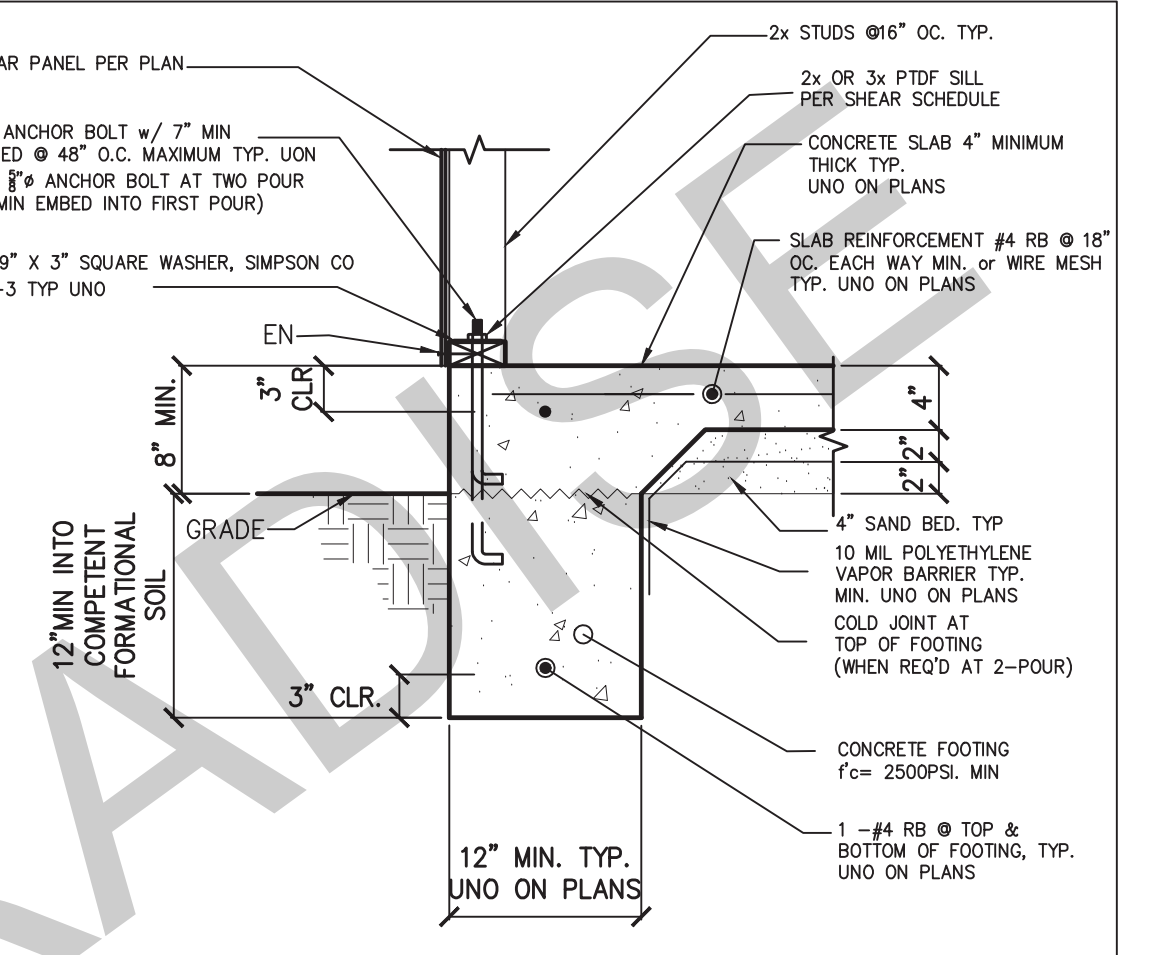
13 EXTERIOR WALL AT PORCH FOOTING SCALE: 1"=1'-0"



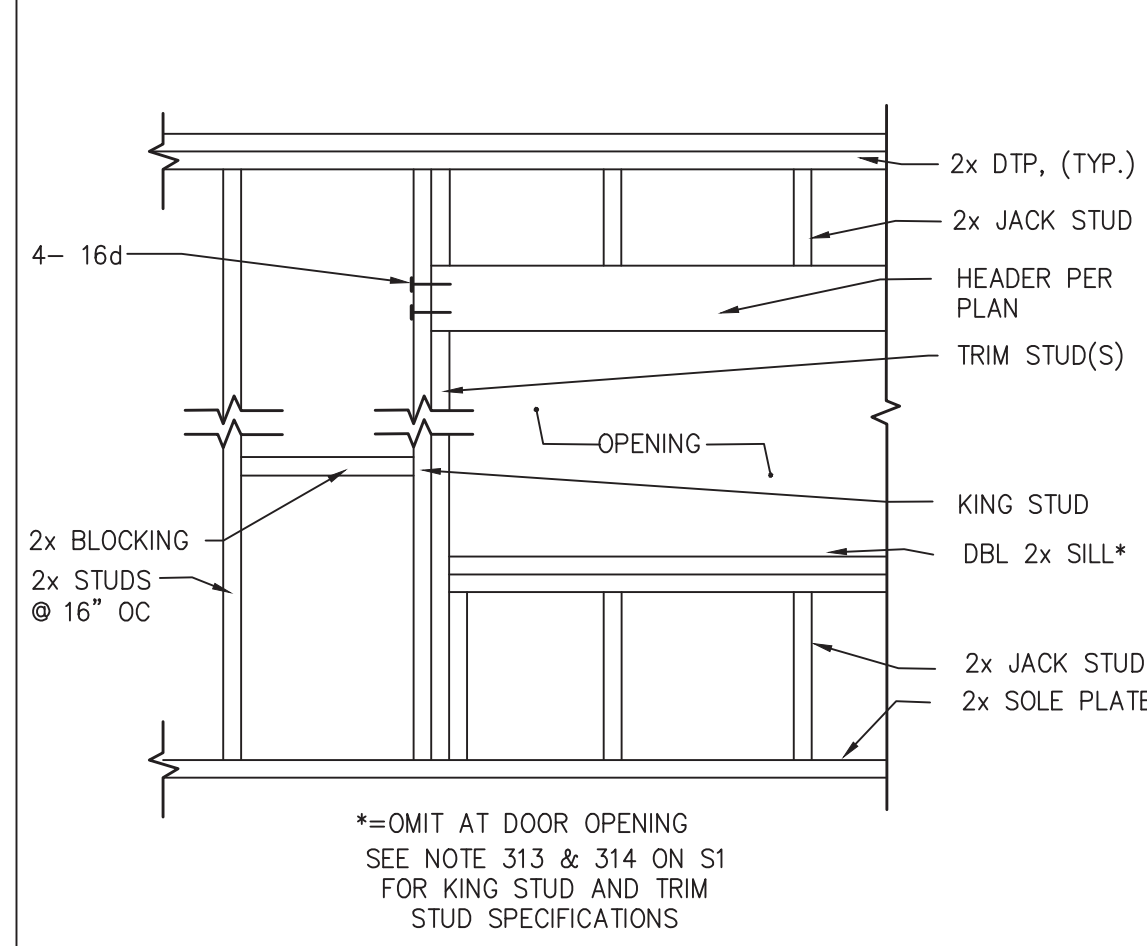
9 STANDARD HOOK DETAILS SCALE: NTS



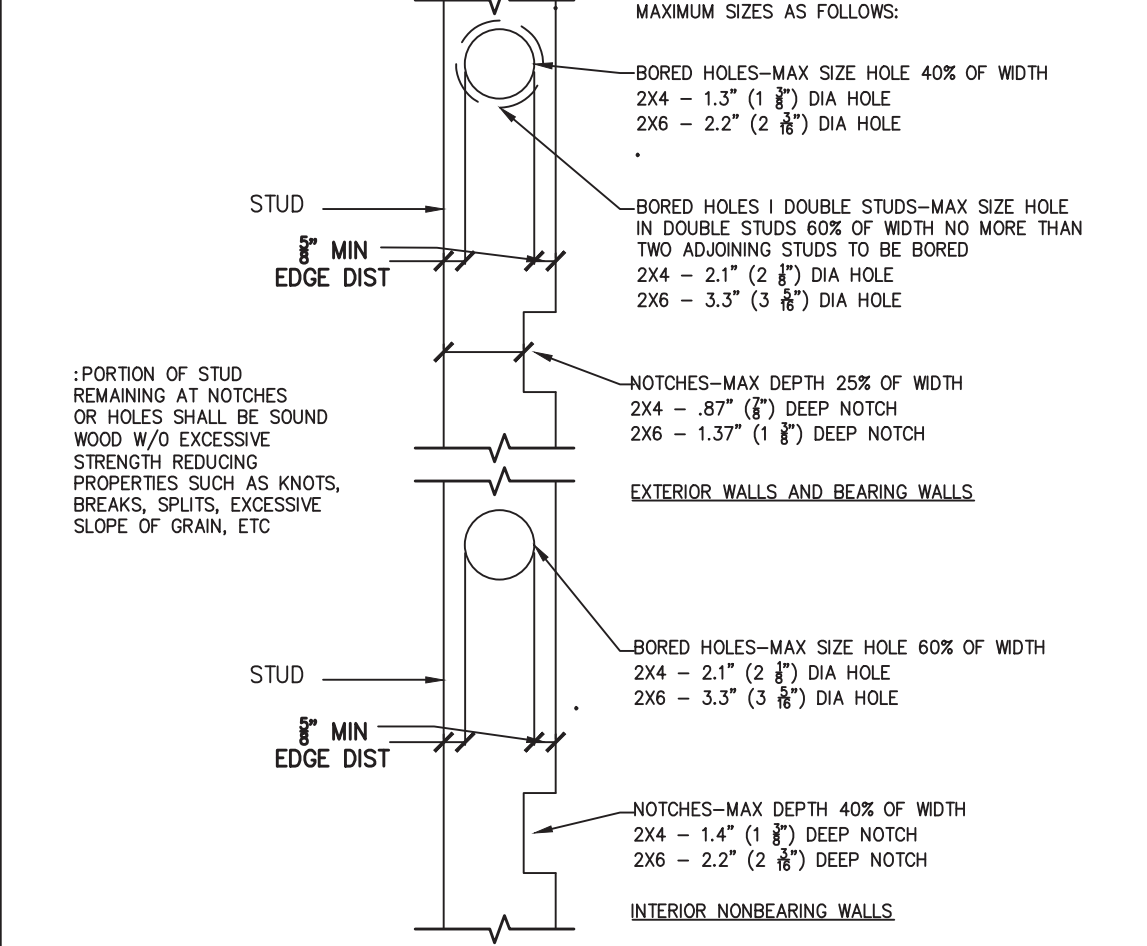
5 POST FOOTING WITH SLAB SCALE: 1"=1'-0"



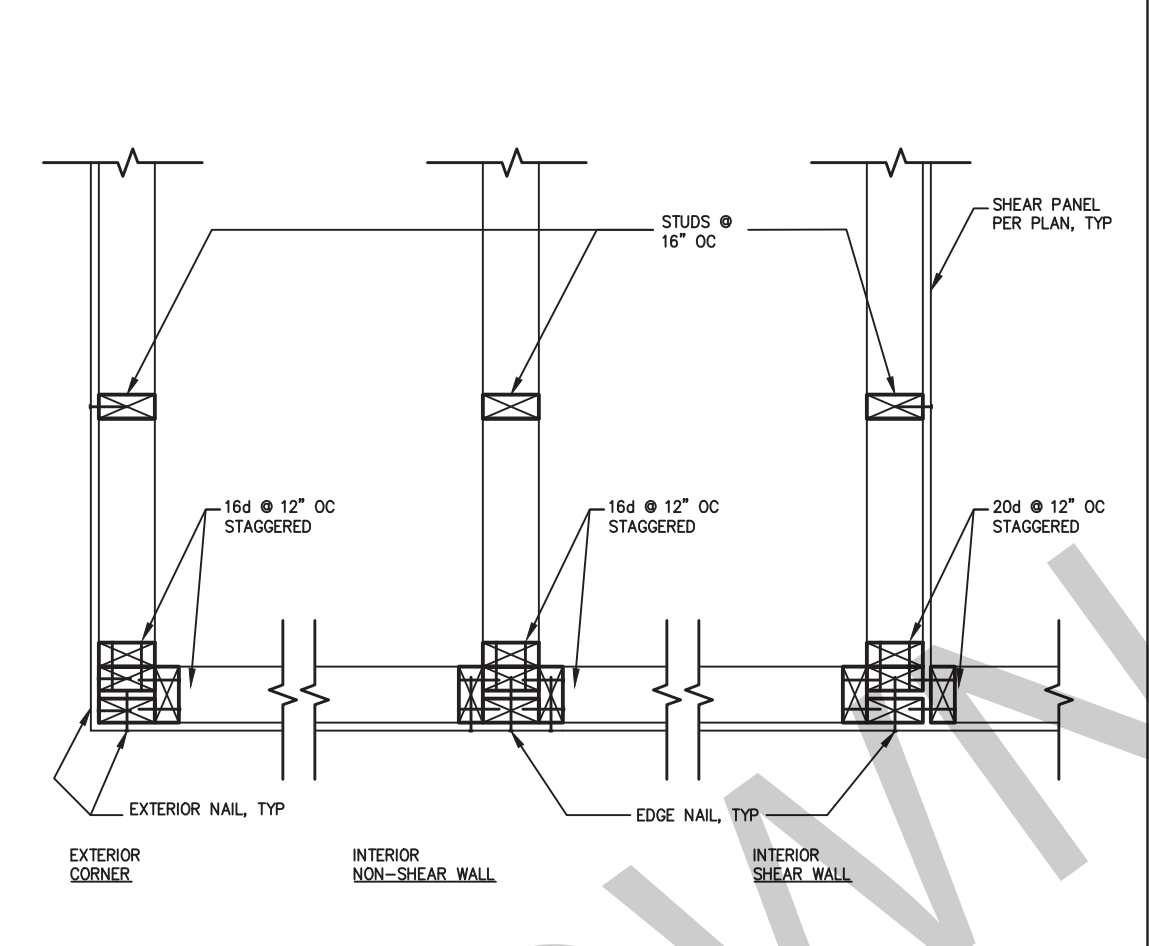
1 EXTERIOR FOOTING, TYPICAL SCALE: 1"=1'-0"



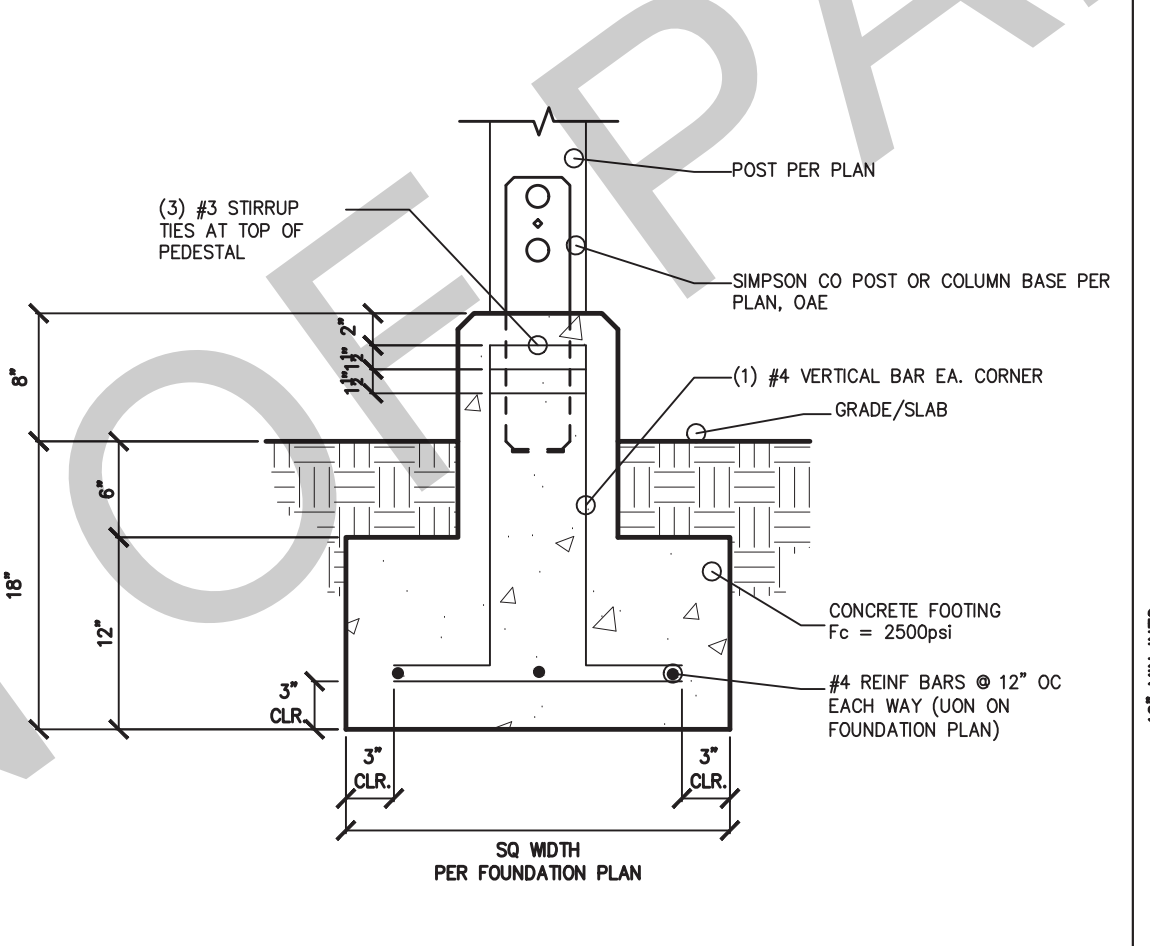
18 FRAMING FOR ROUGH WINDOW OR DOOR OPENING SCALE: 1 1/2"=1'-0"



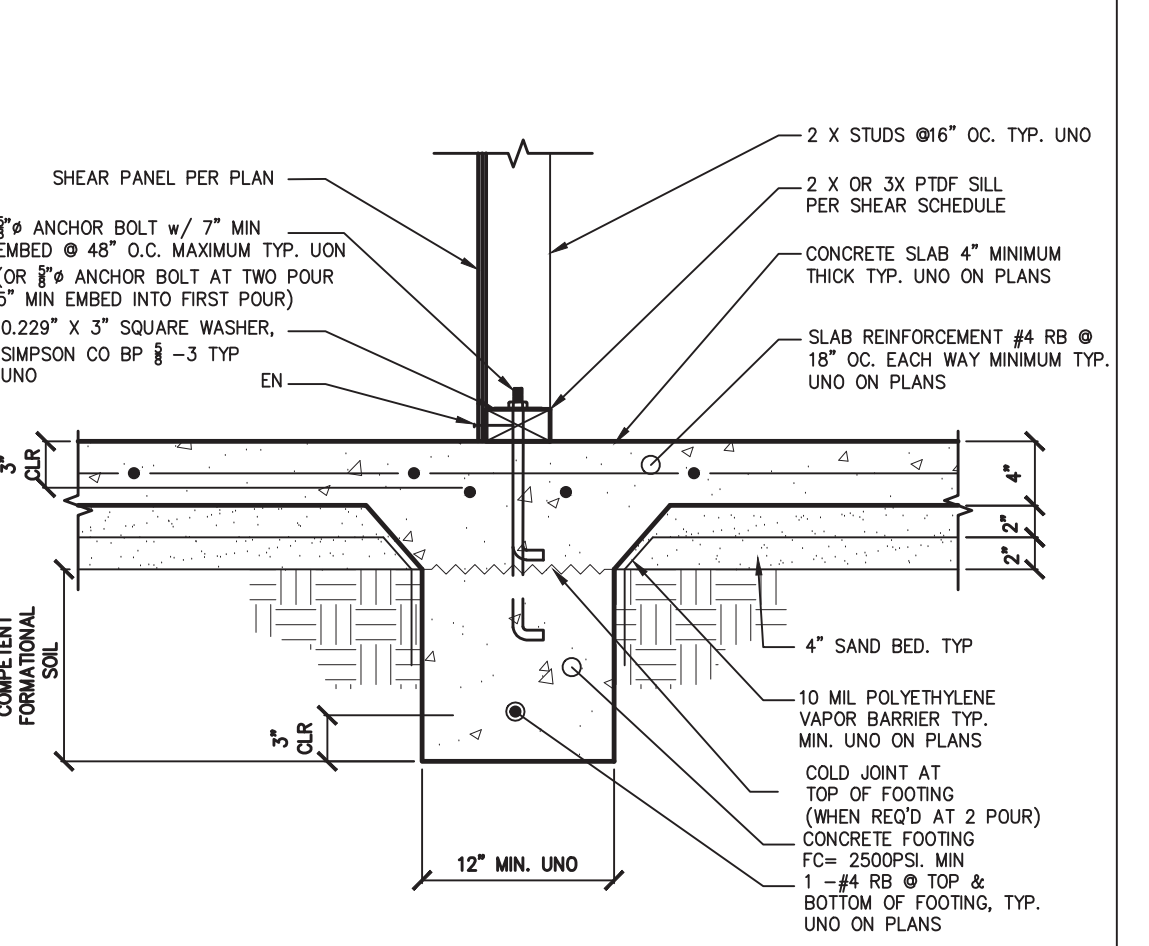
14 STUD CUTTING, BORING AND NOTCHING SCALE: 1"=1'-0"



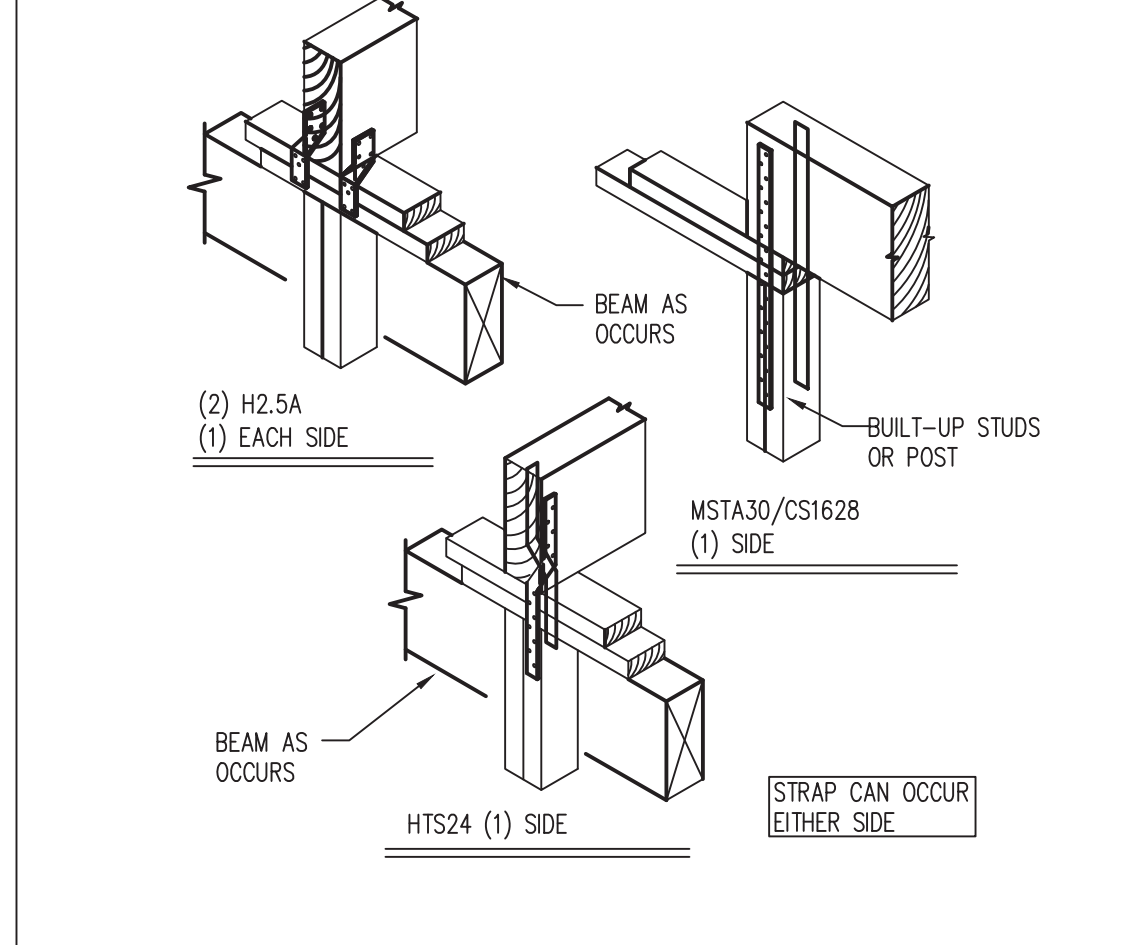
10 STUD WALL INTERSECTION SCALE: 1"=1'-0"



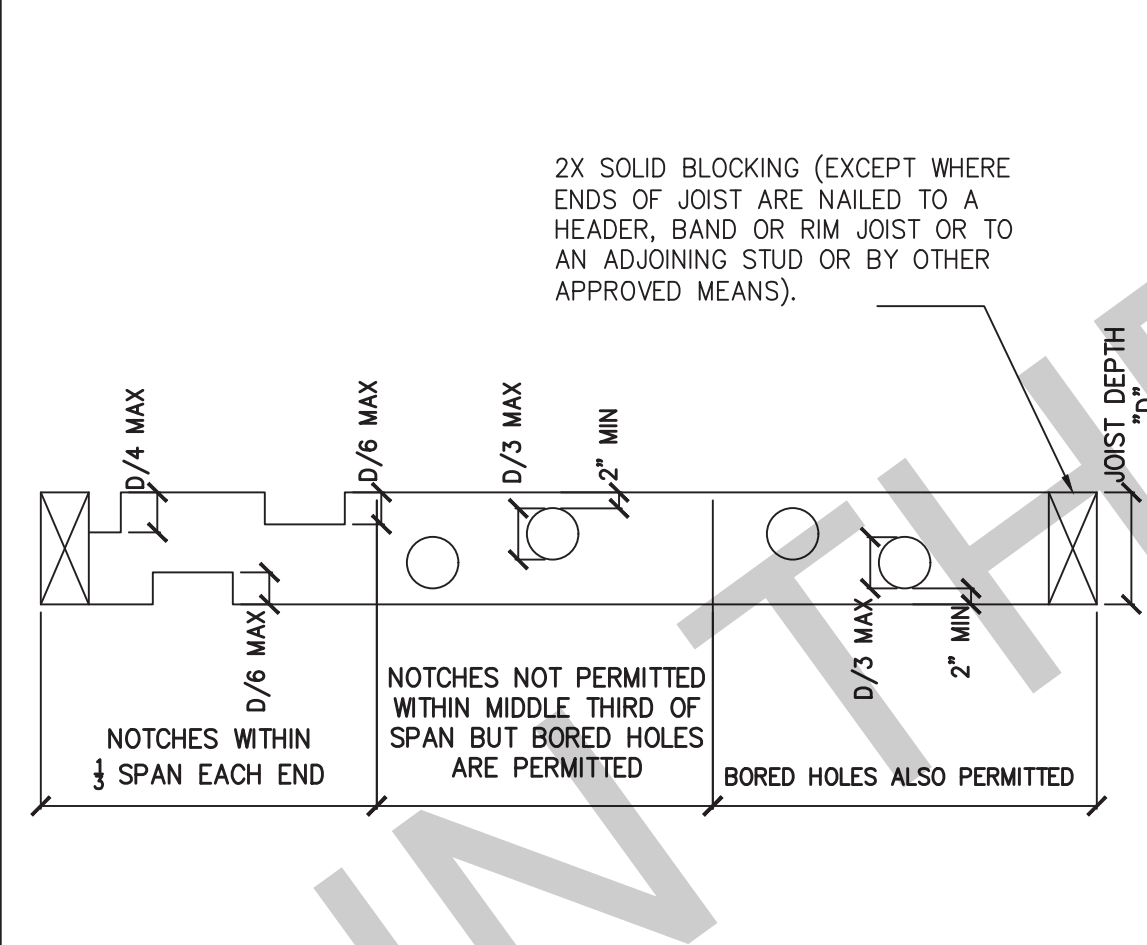
6 TYPICAL POST FOOTING SCALE: 1"=1'-0"



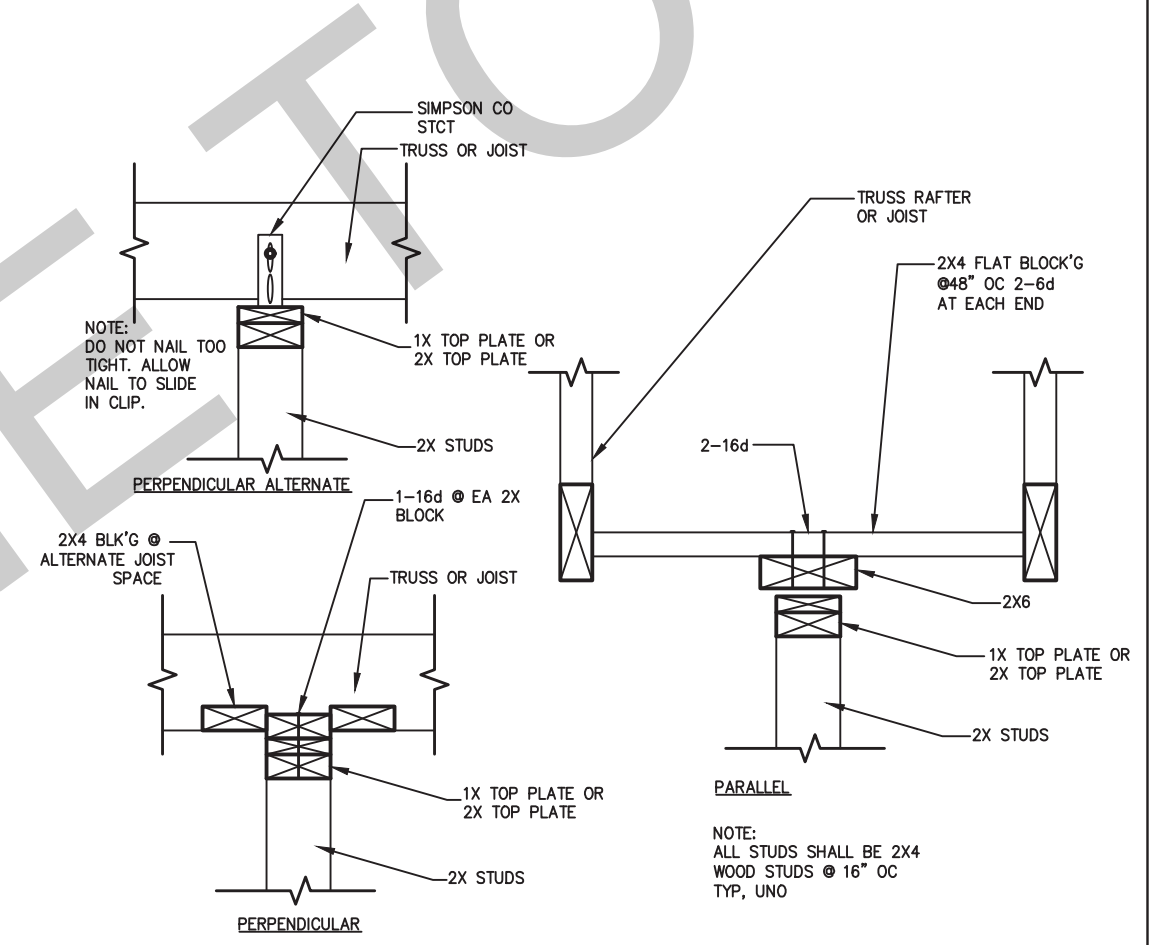
2 SLAB ON GRADE ONE STORY INTERIOR FOOTING SCALE: 1"=1'-0"



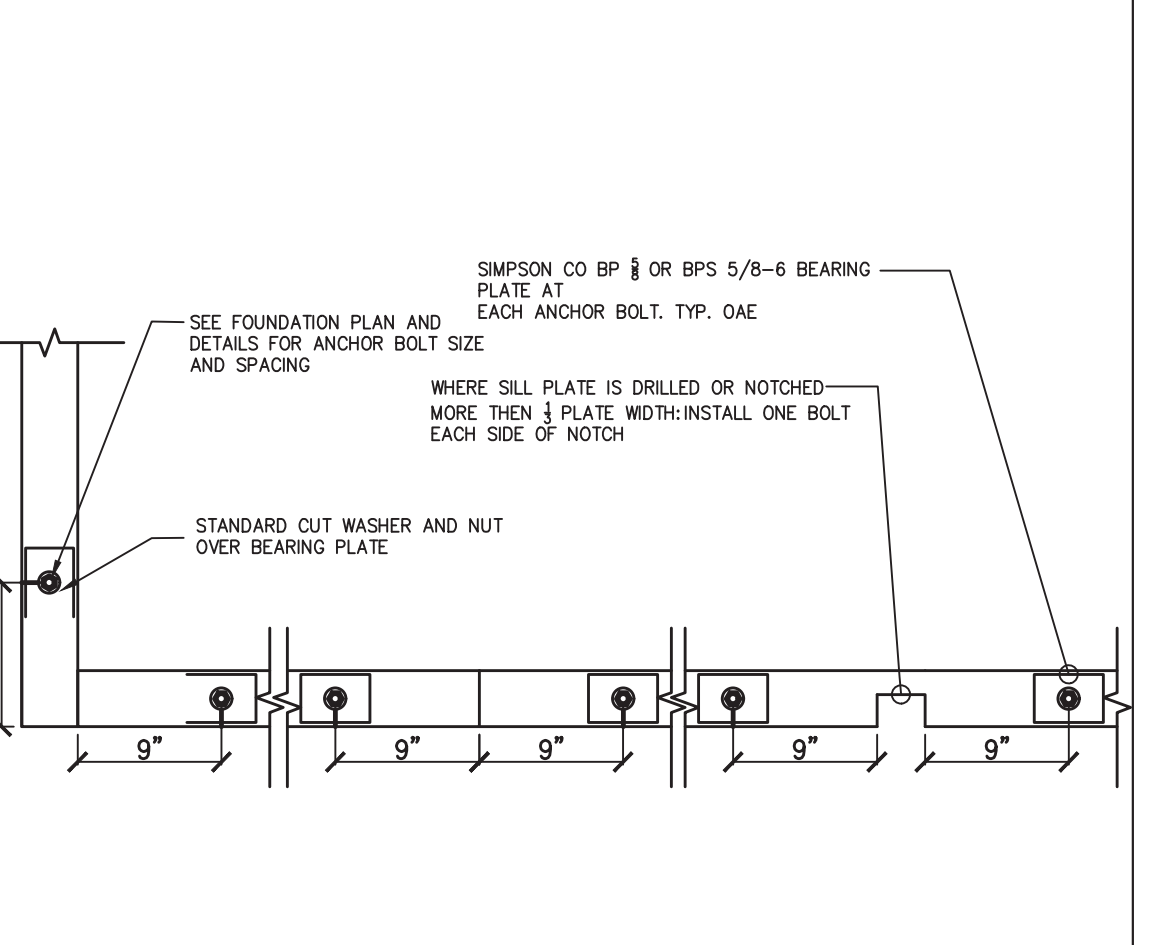
19 SUPPORT COLUMN TO BEAM SCALE: 1"=1'-0"



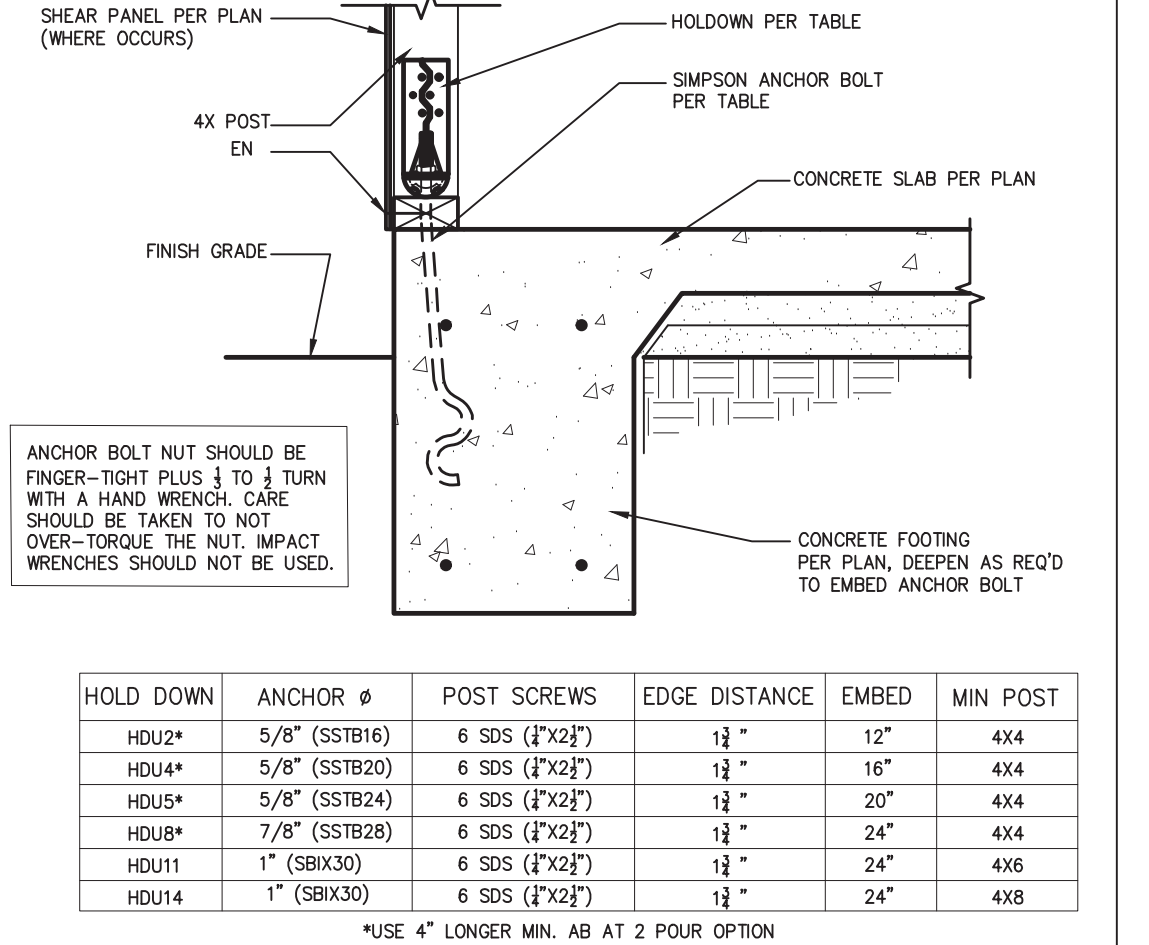
15 JOIST CUTTING, BORING AND NOTCHING SCALE: NTS



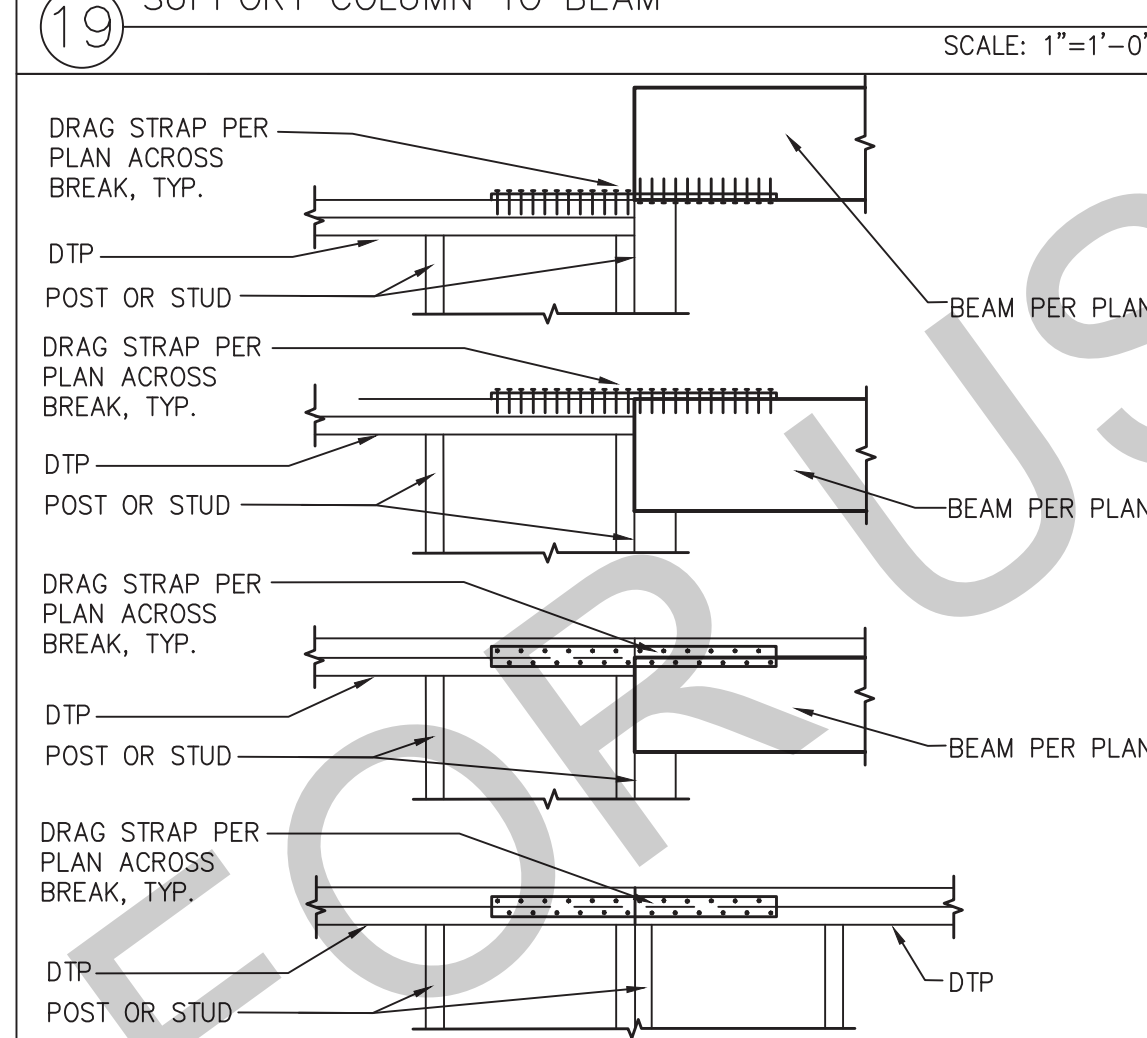
11 NON-BEARING/NON-SHEAR PARTITIONS AT TOP PLATE SCALE: 1"=1'-0"



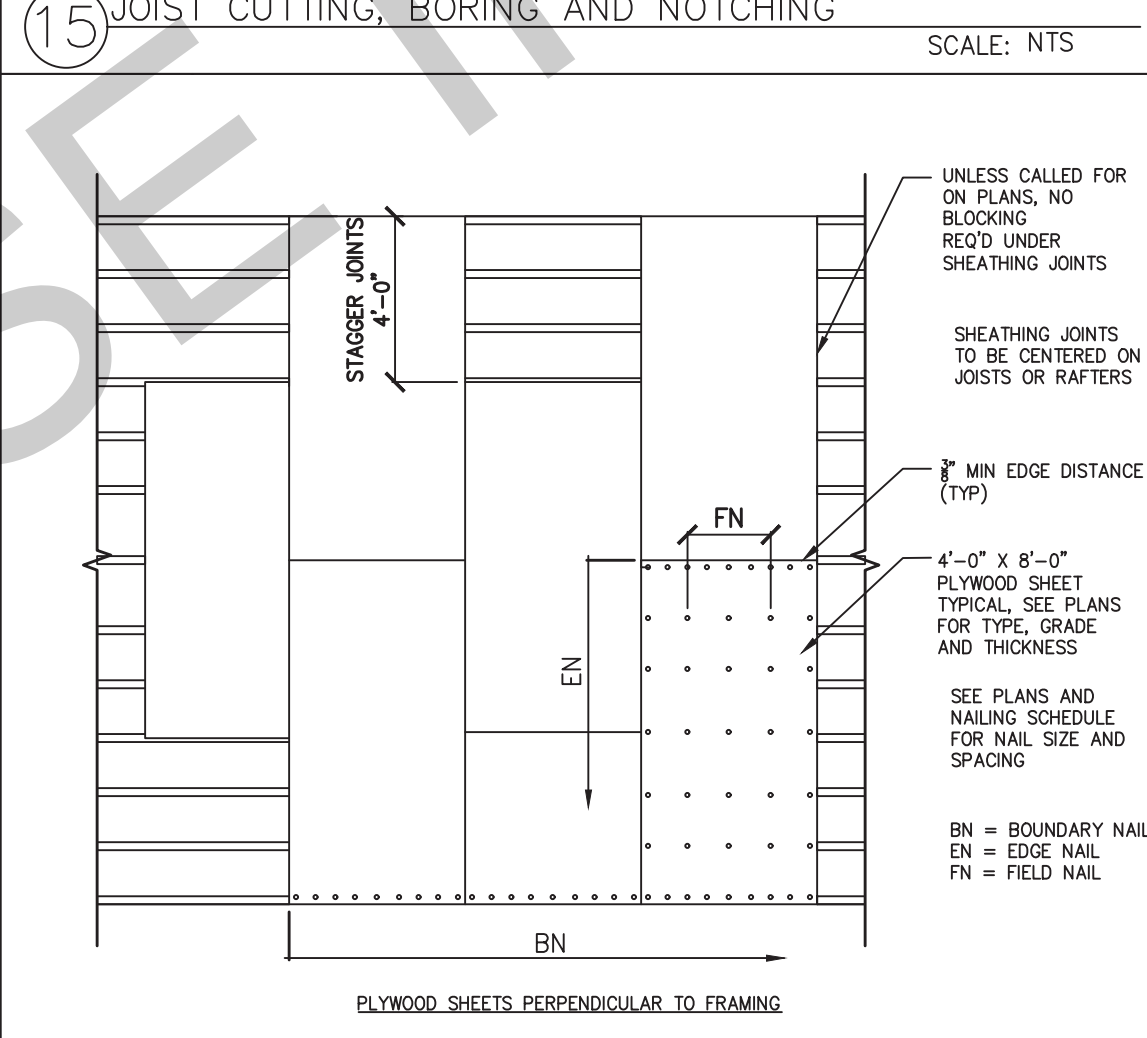
7 SILL PLATE ANCHOR BOLTING SCALE: 1"=1'-0"



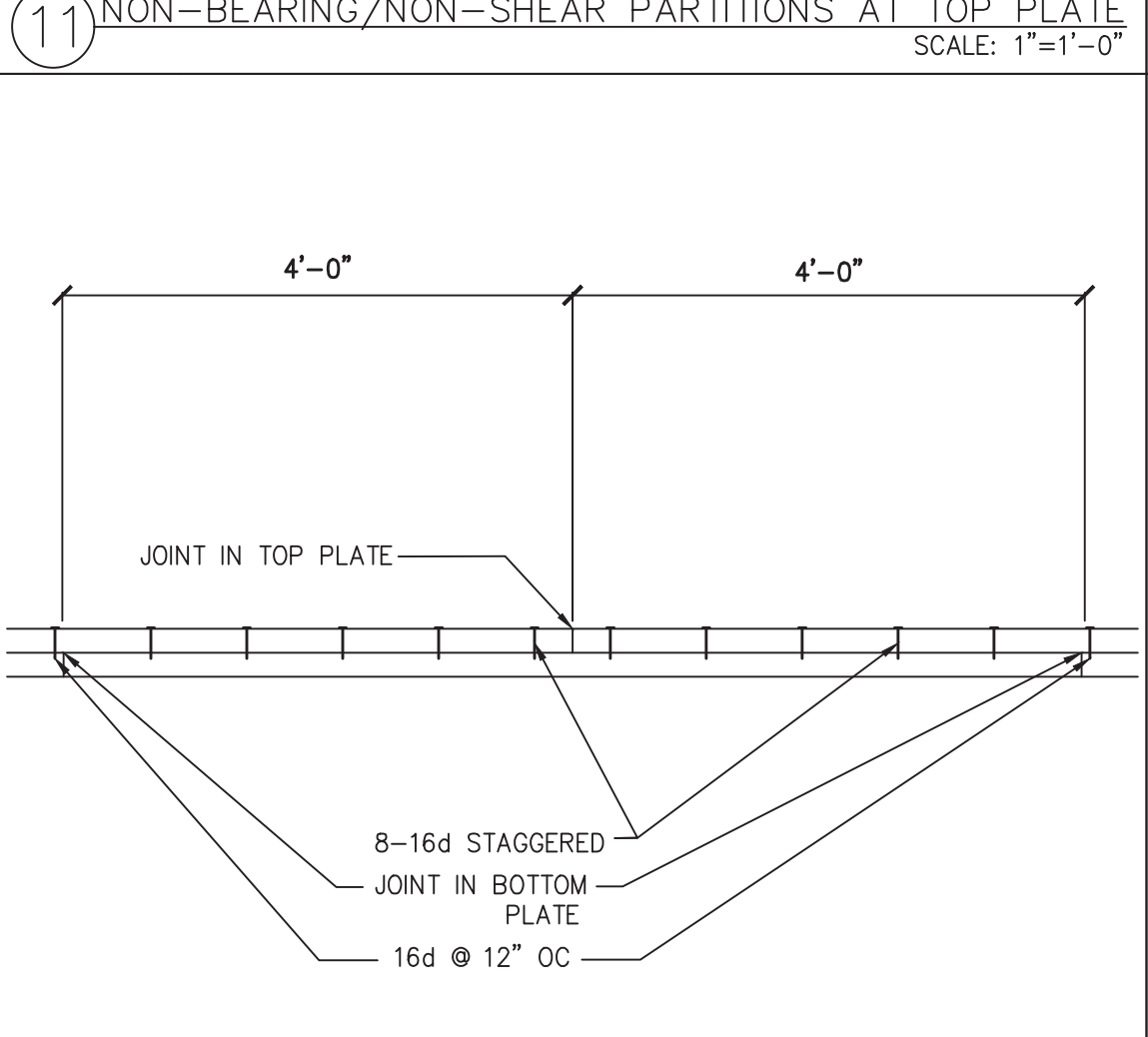
3 HOLDOWN - PERIMETER FOOTING SCALE: 1"=1'-0"



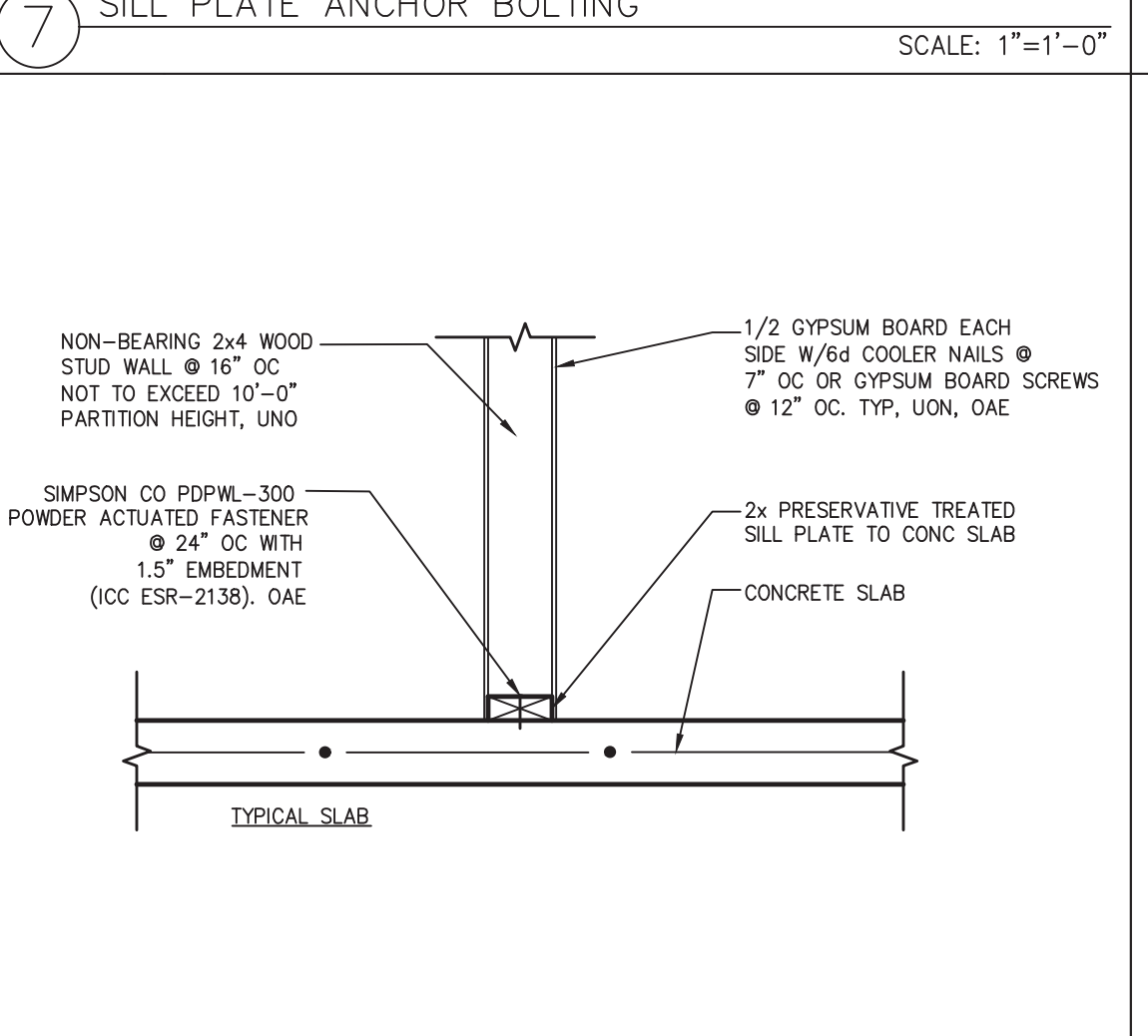
20 DRAG STRAP AT TP TO BM OR TP SCALE: 1"=1'-0"



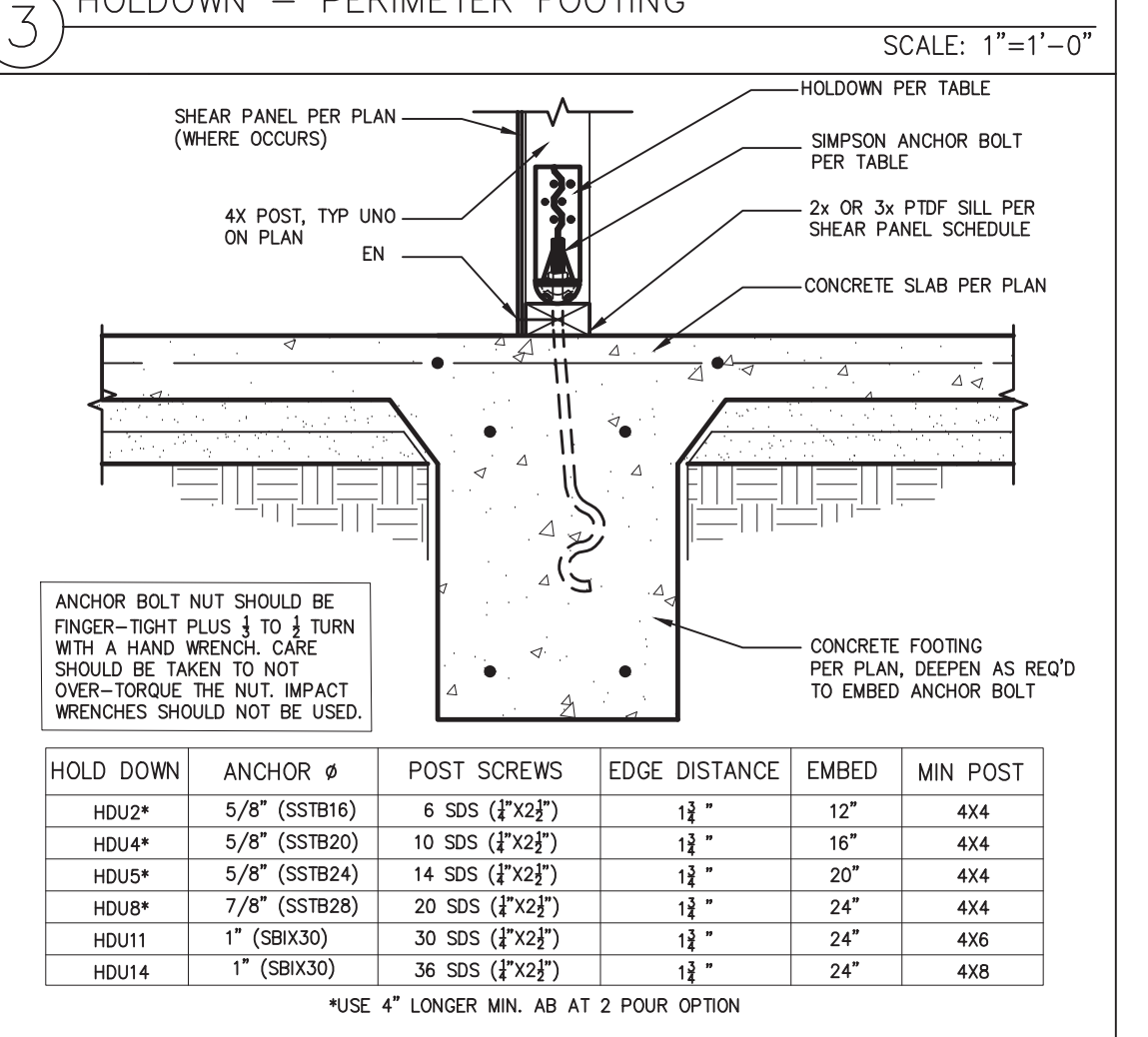
16 WOOD ROOF AND FLOOR SHEATHING LAYOUT SCALE: 1"=1'-0"



12 DOUBLE TOP-PLATE SPLICE SCALE: NTS



8 NON-BEARING INTERIOR STUD WALL TO CONCRETE SLAB SCALE: 1"=1'-0"



4 HOLDOWN - INTERIOR FOOTING SCALE: 1"=1'-0"

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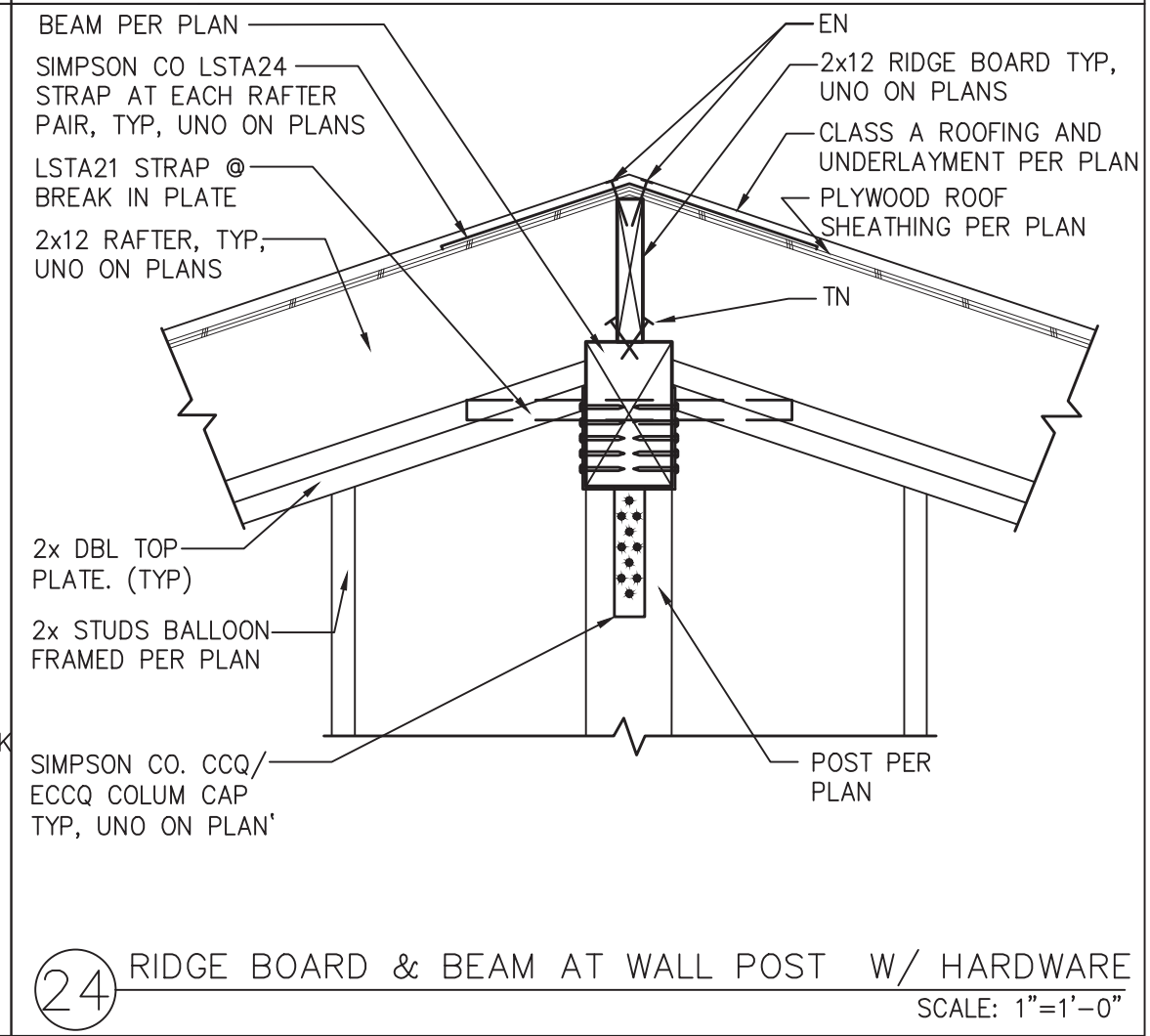
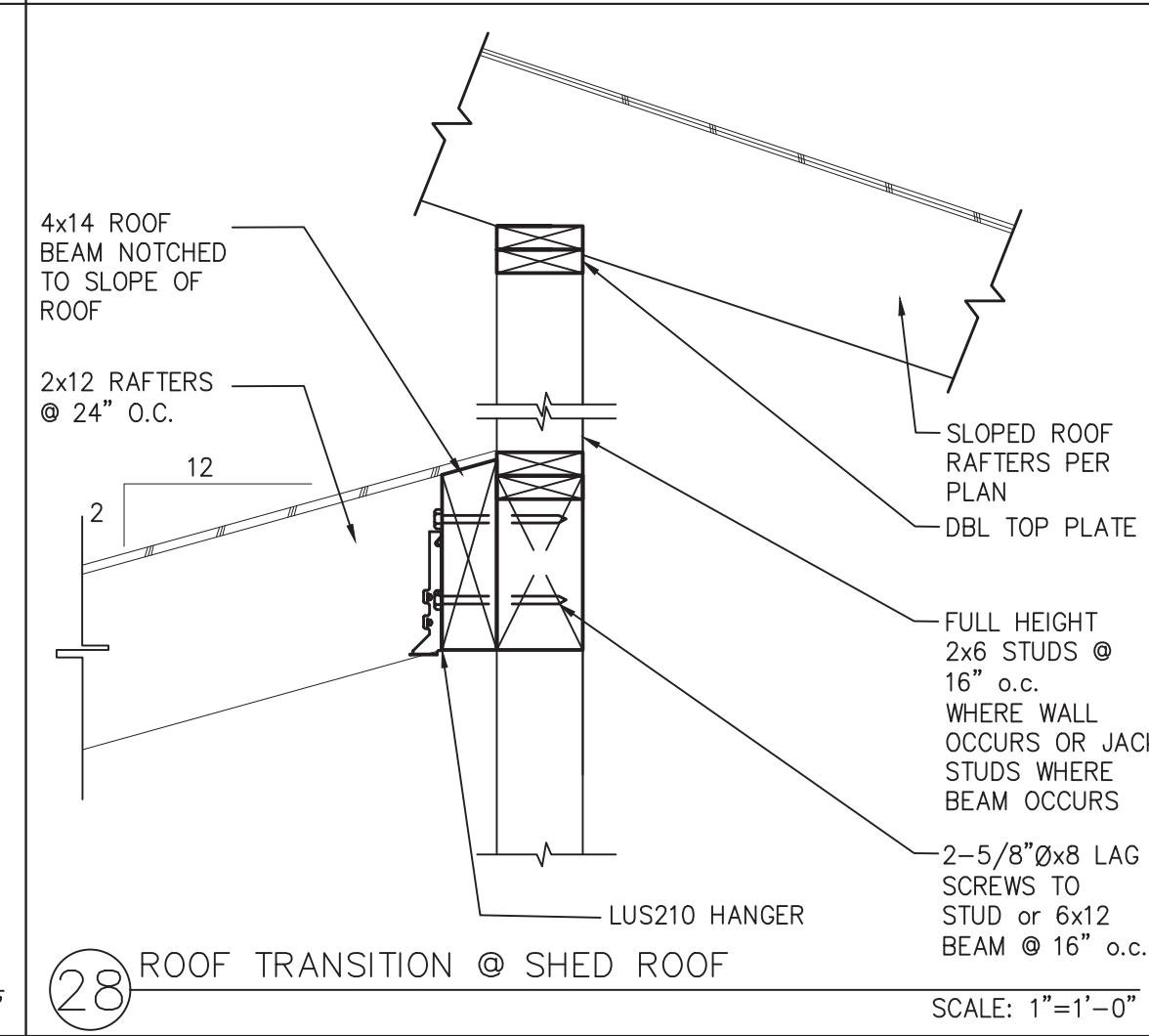
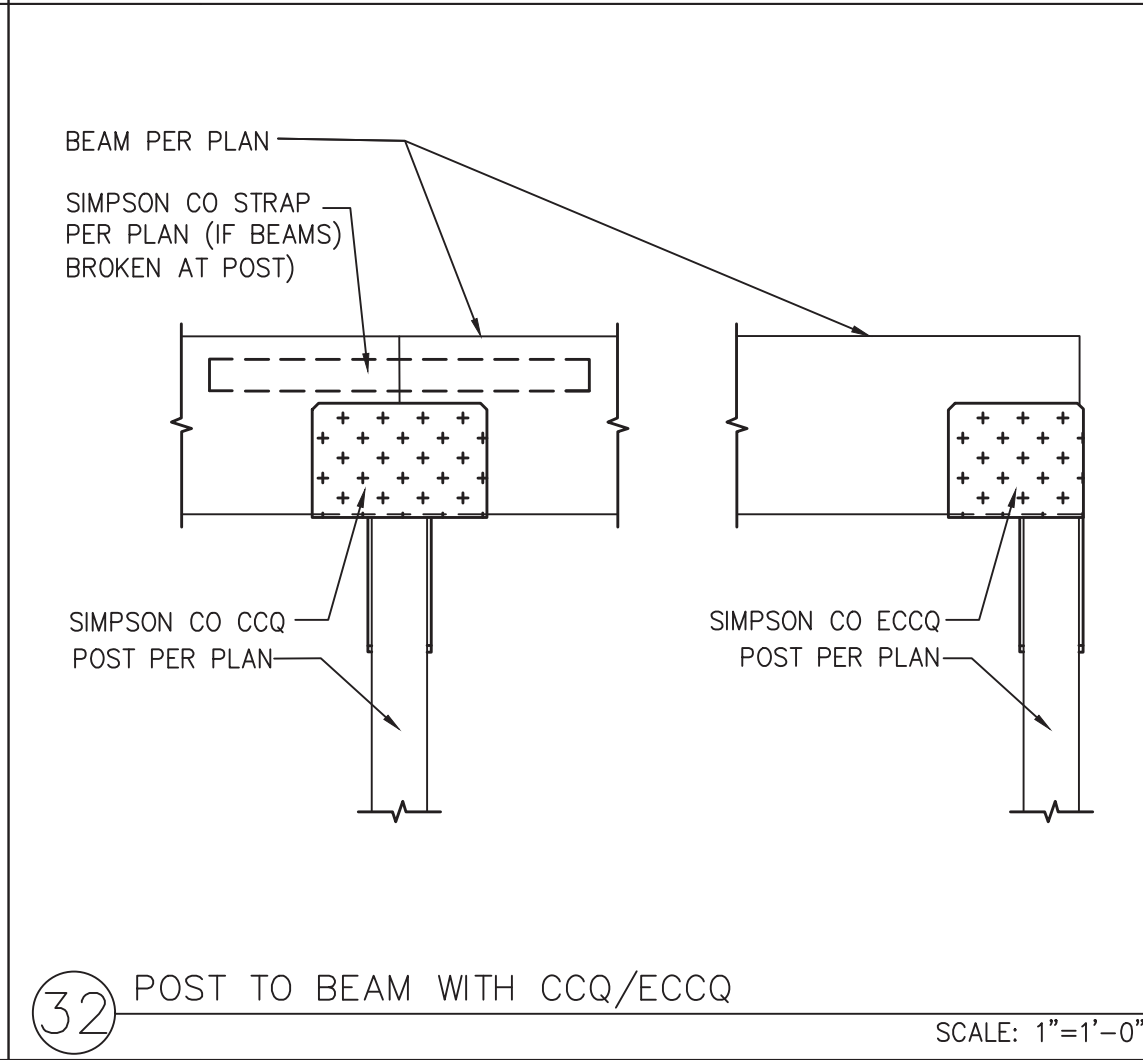
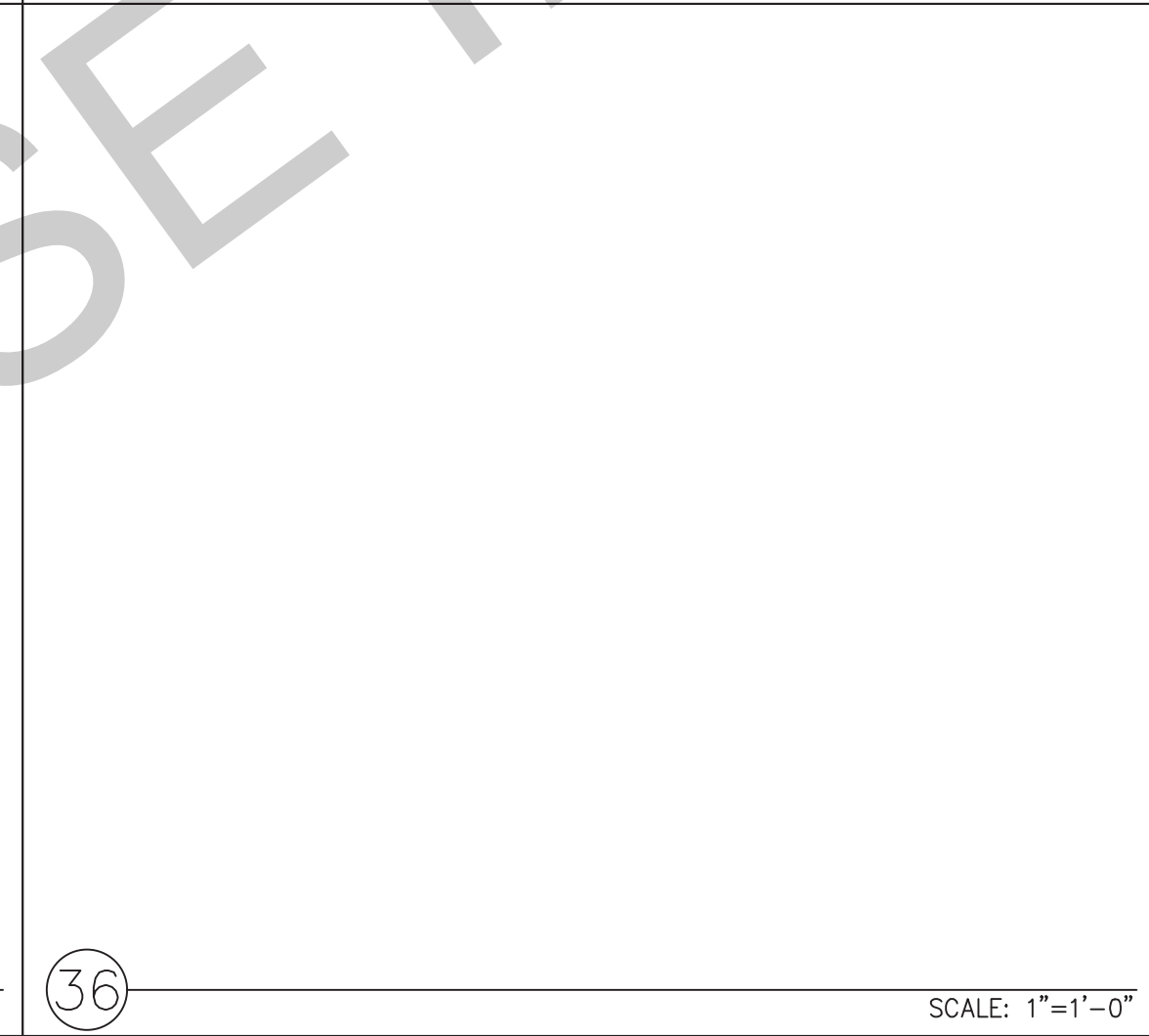
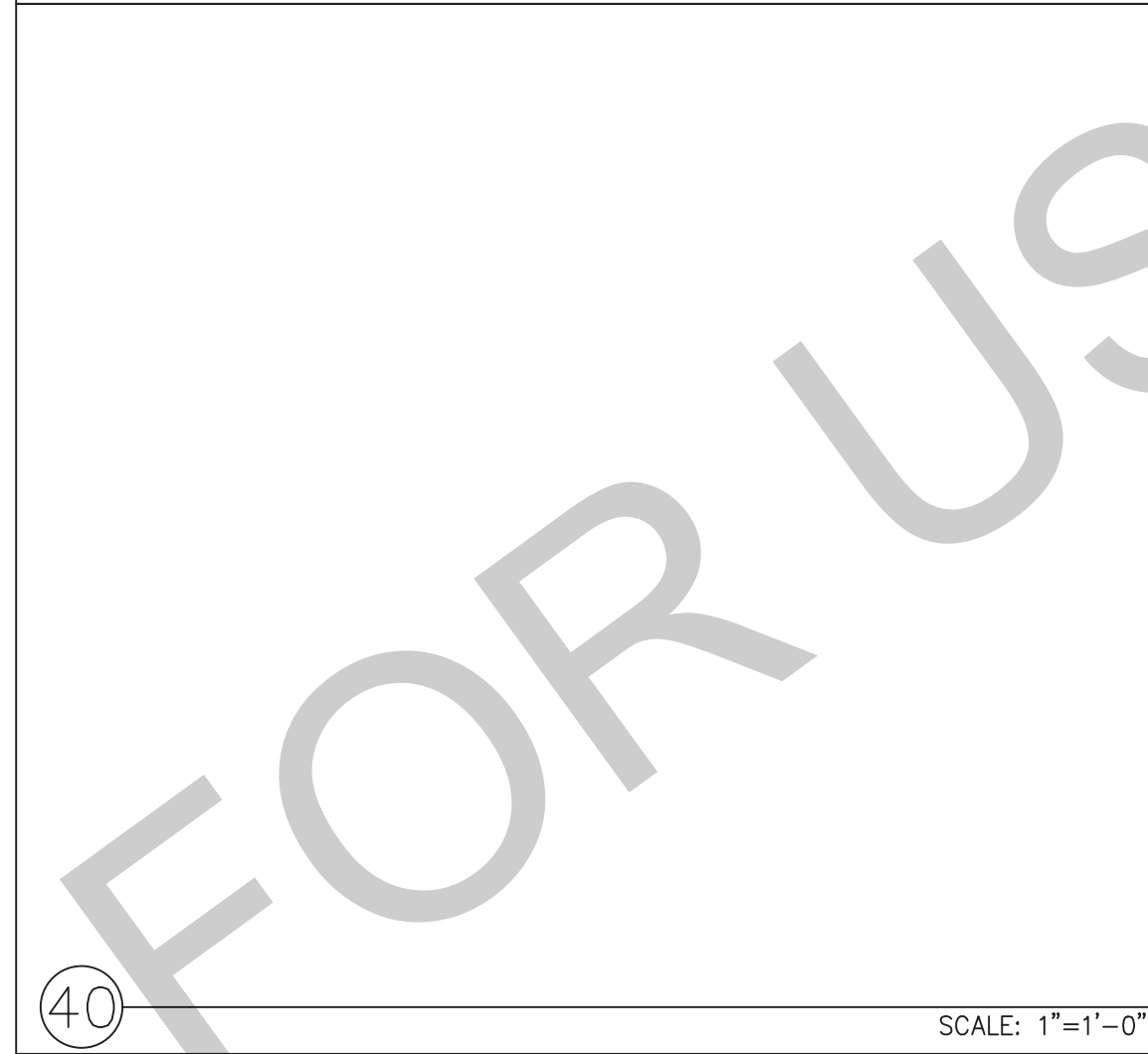
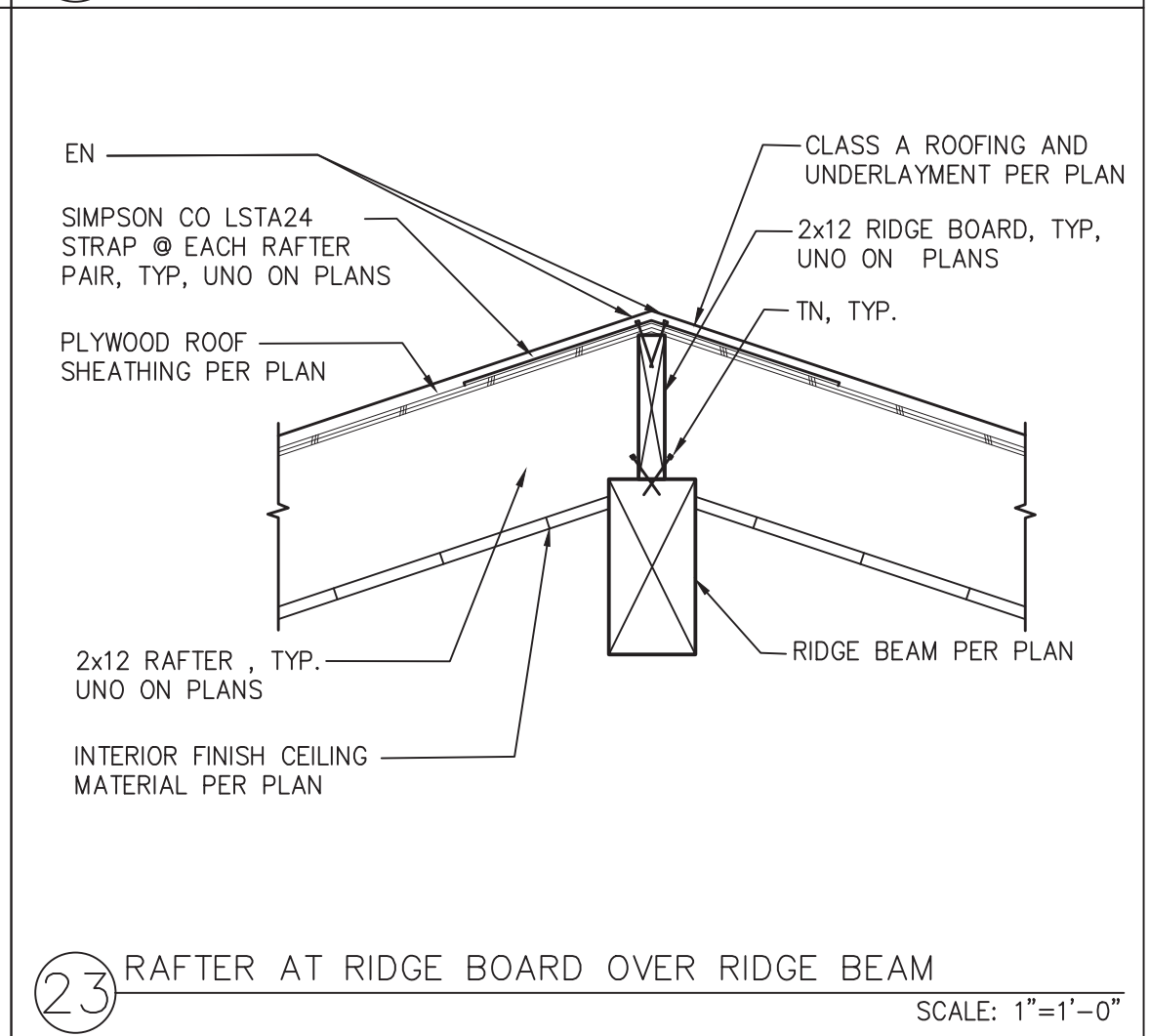
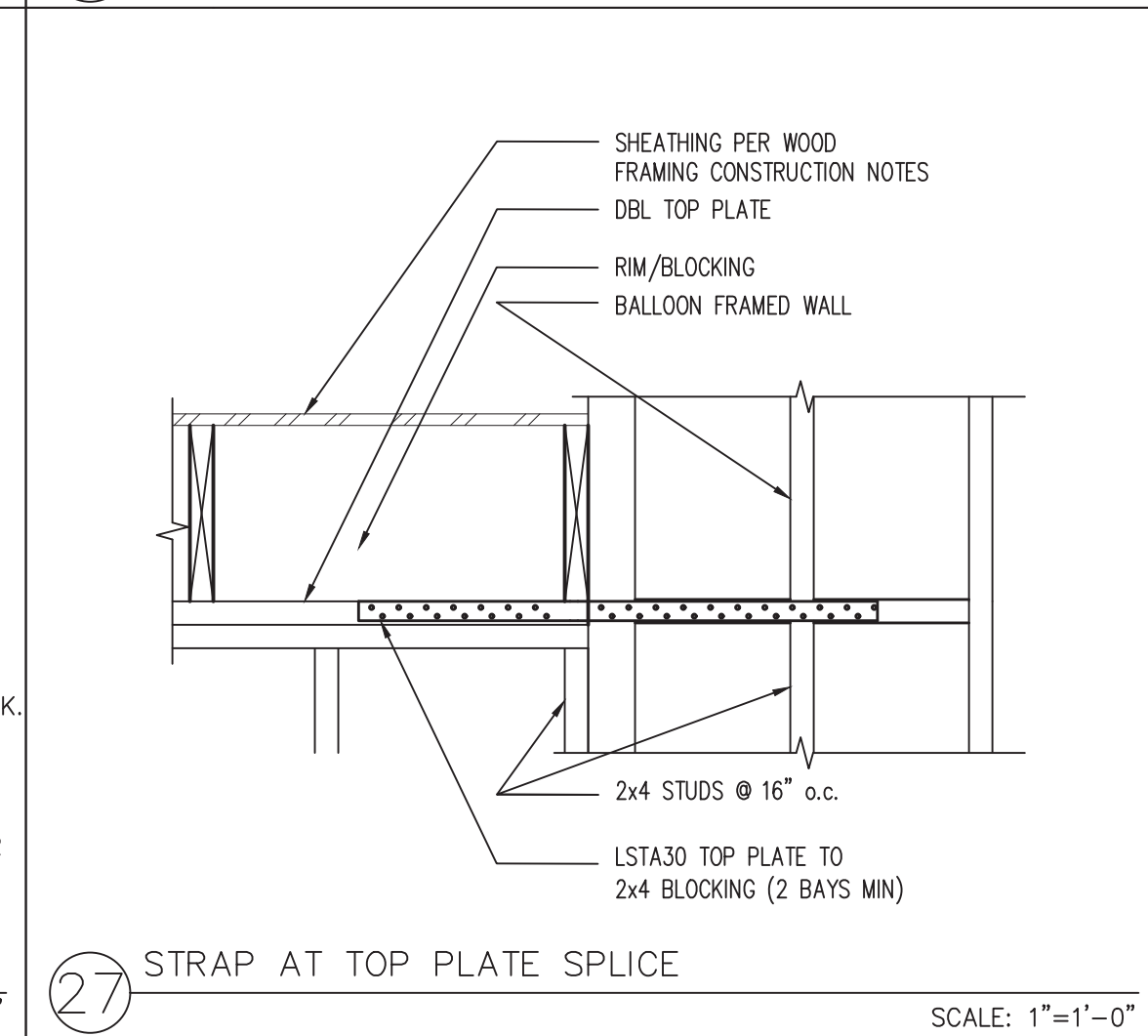
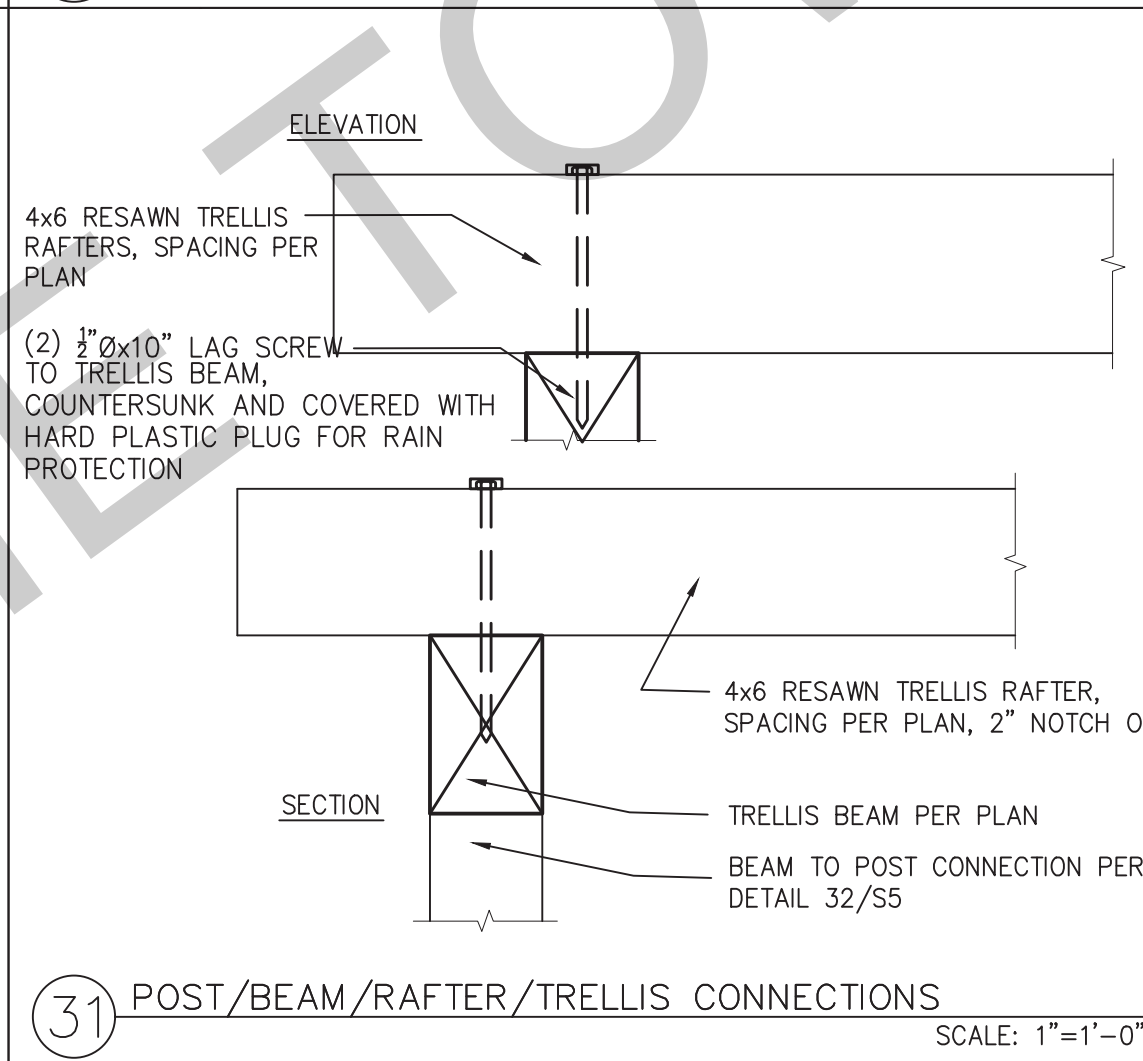
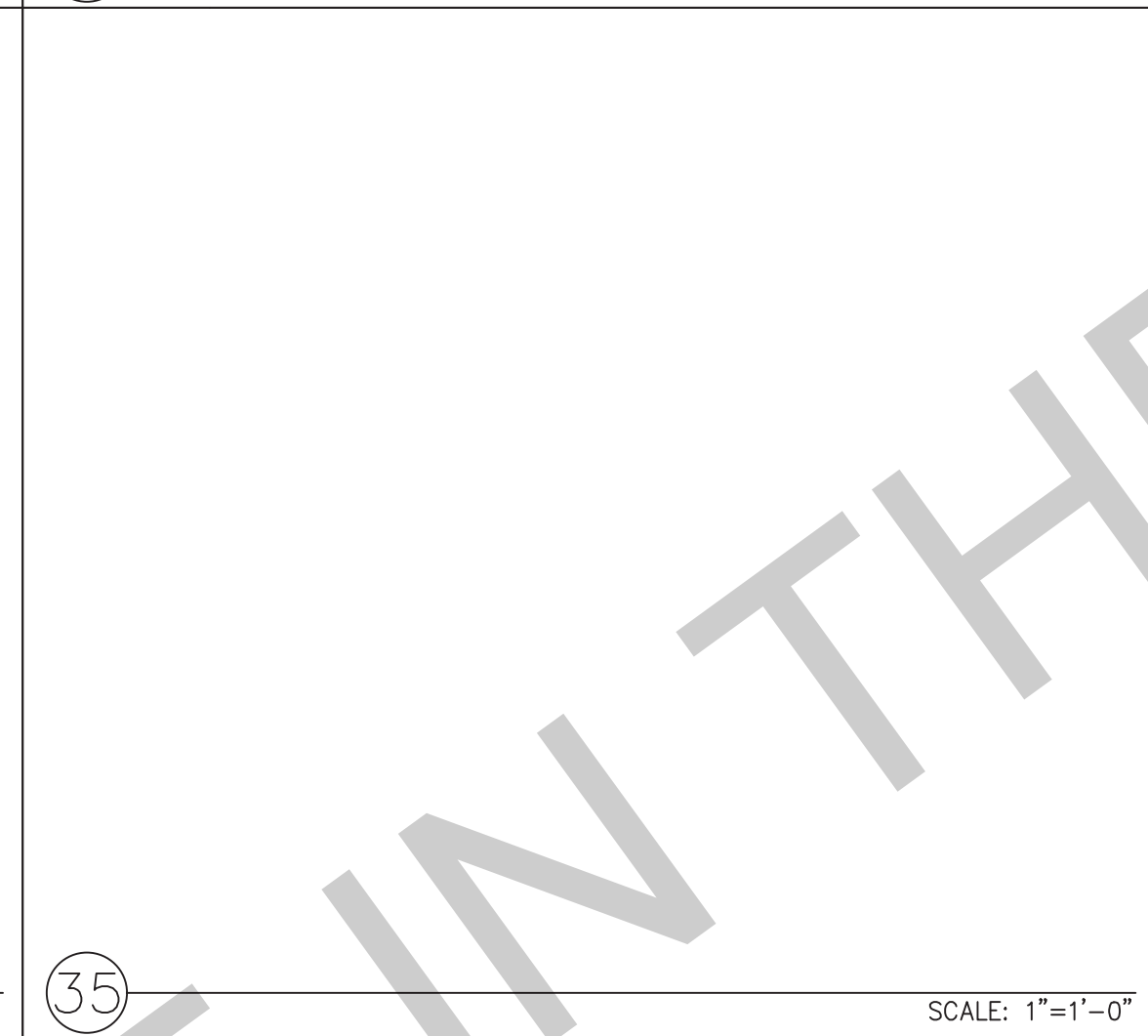
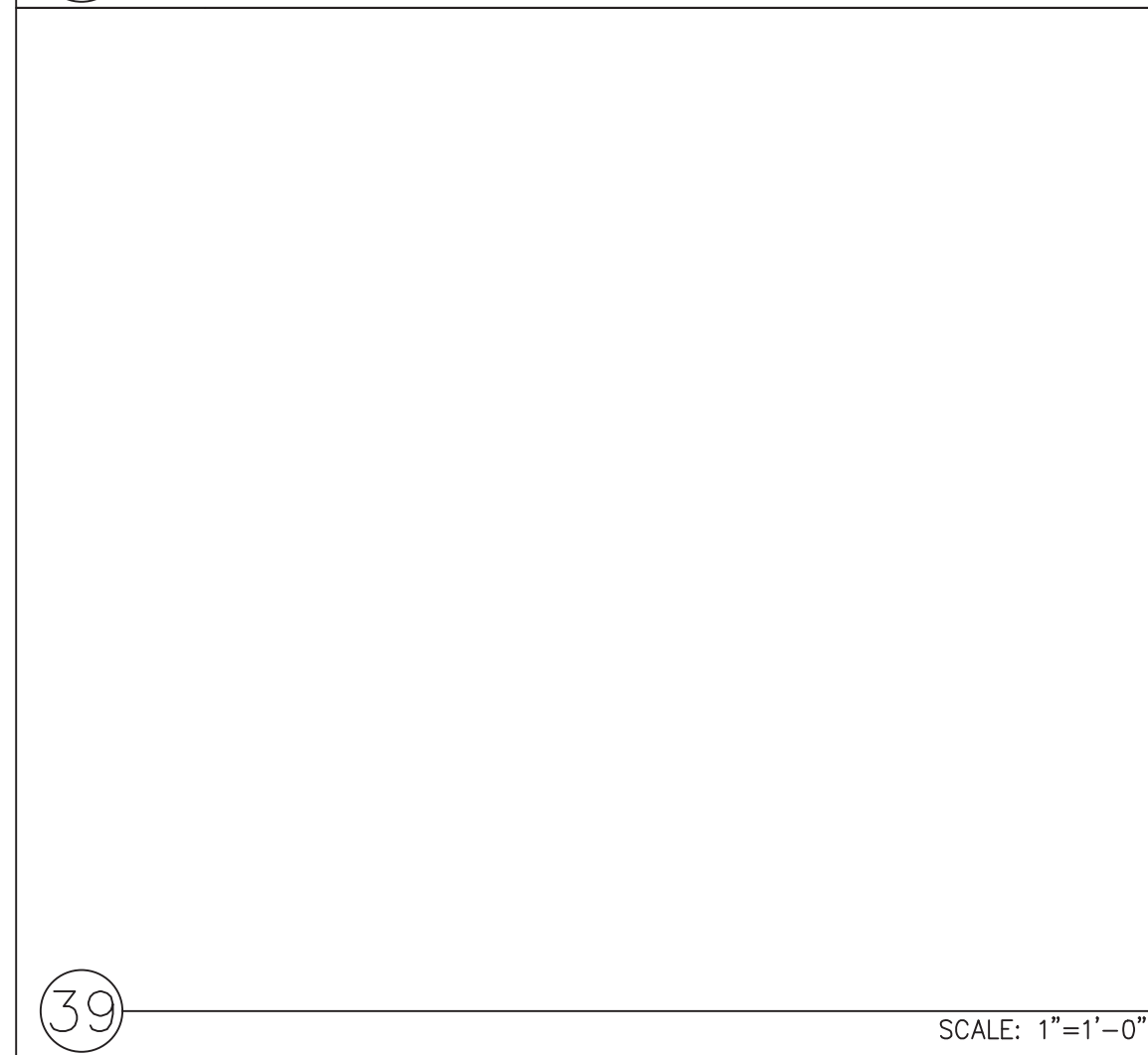
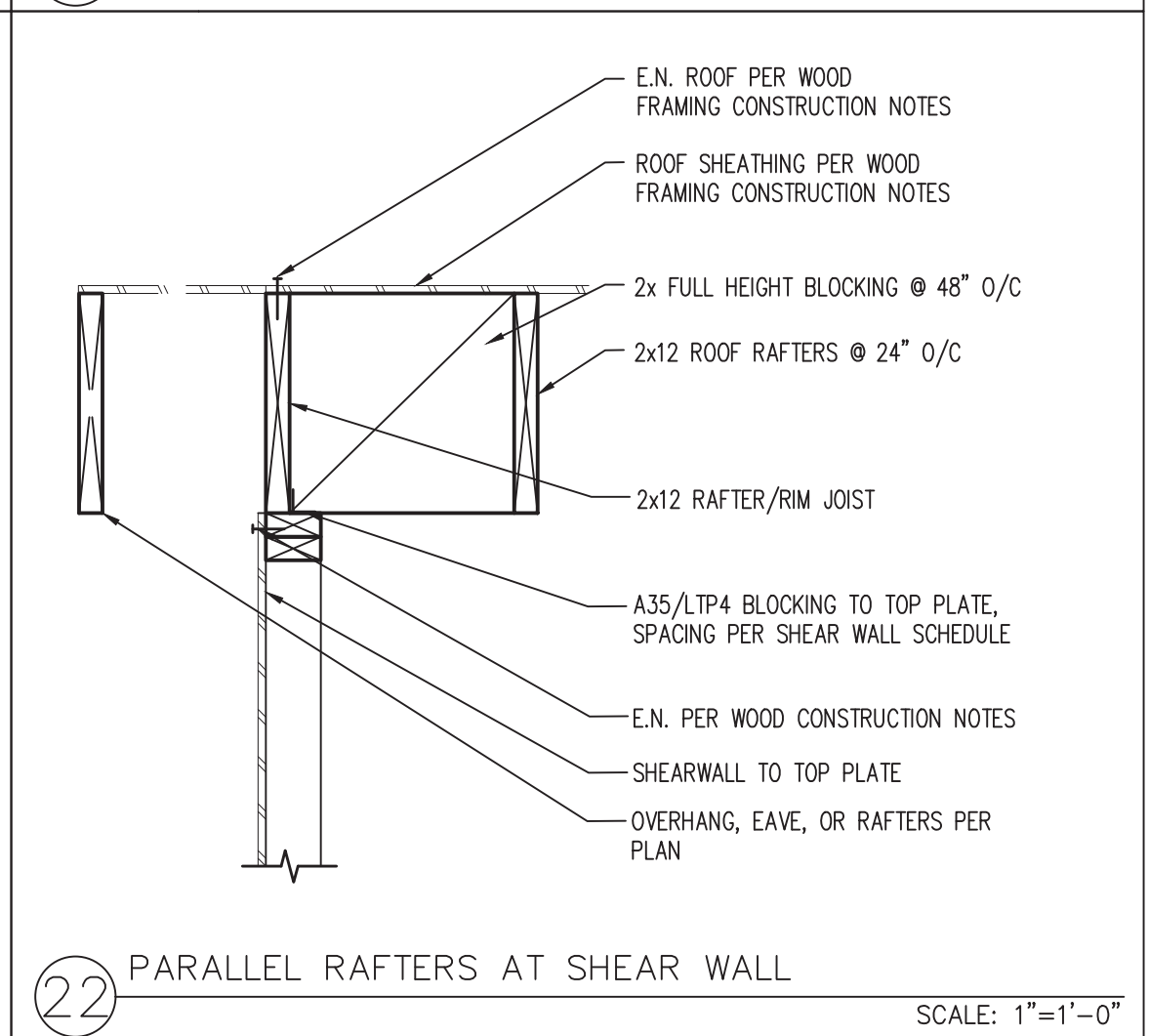
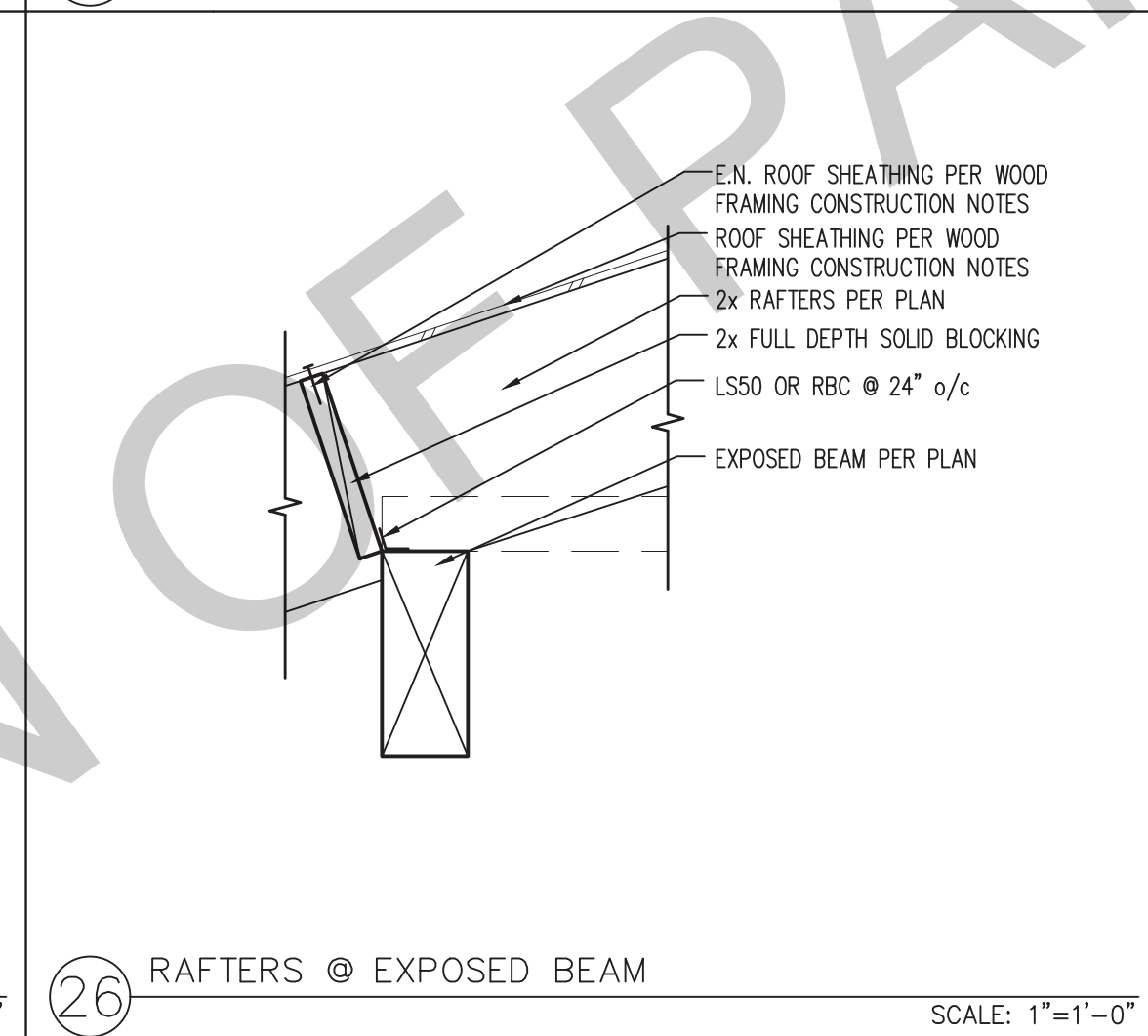
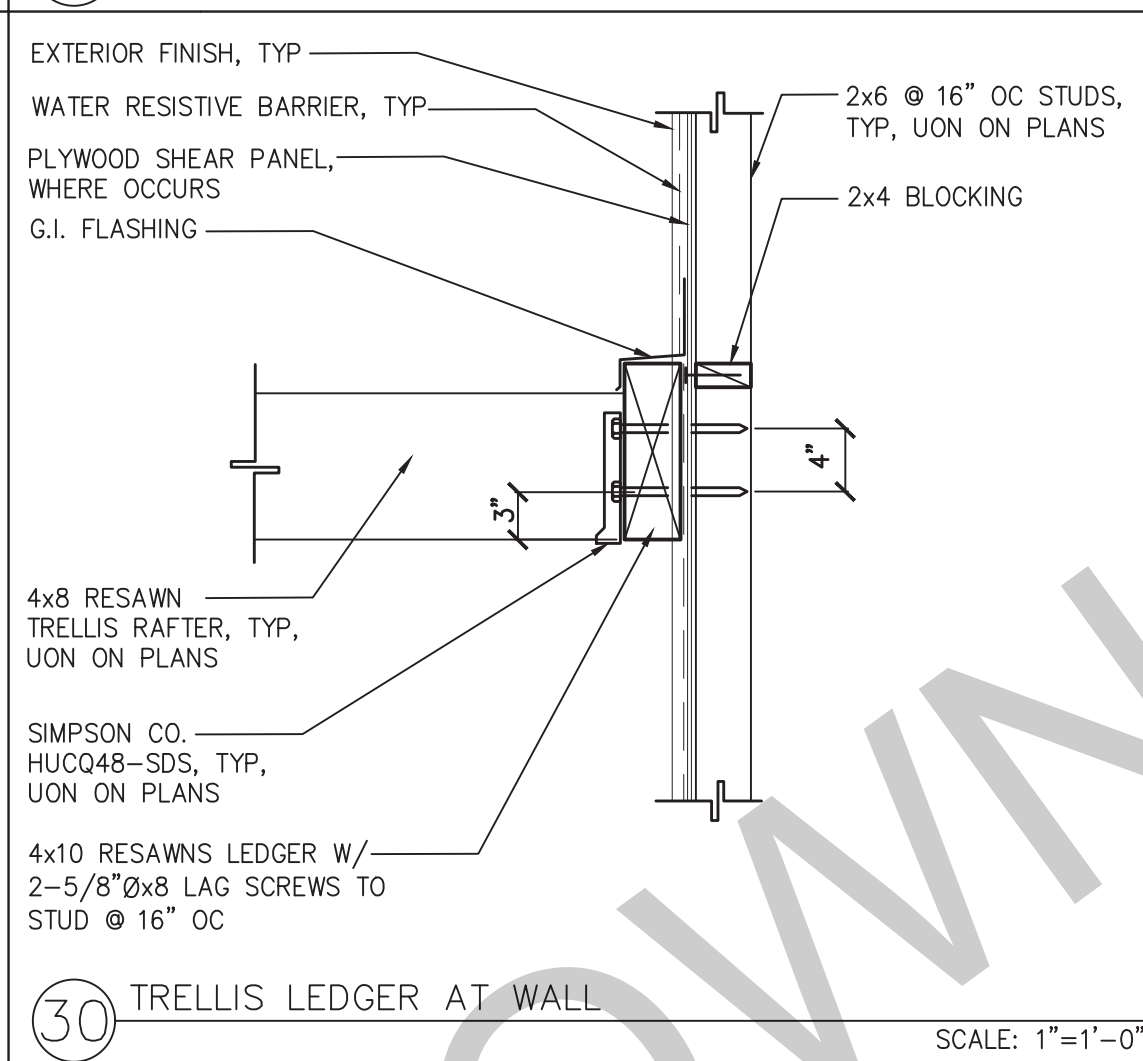
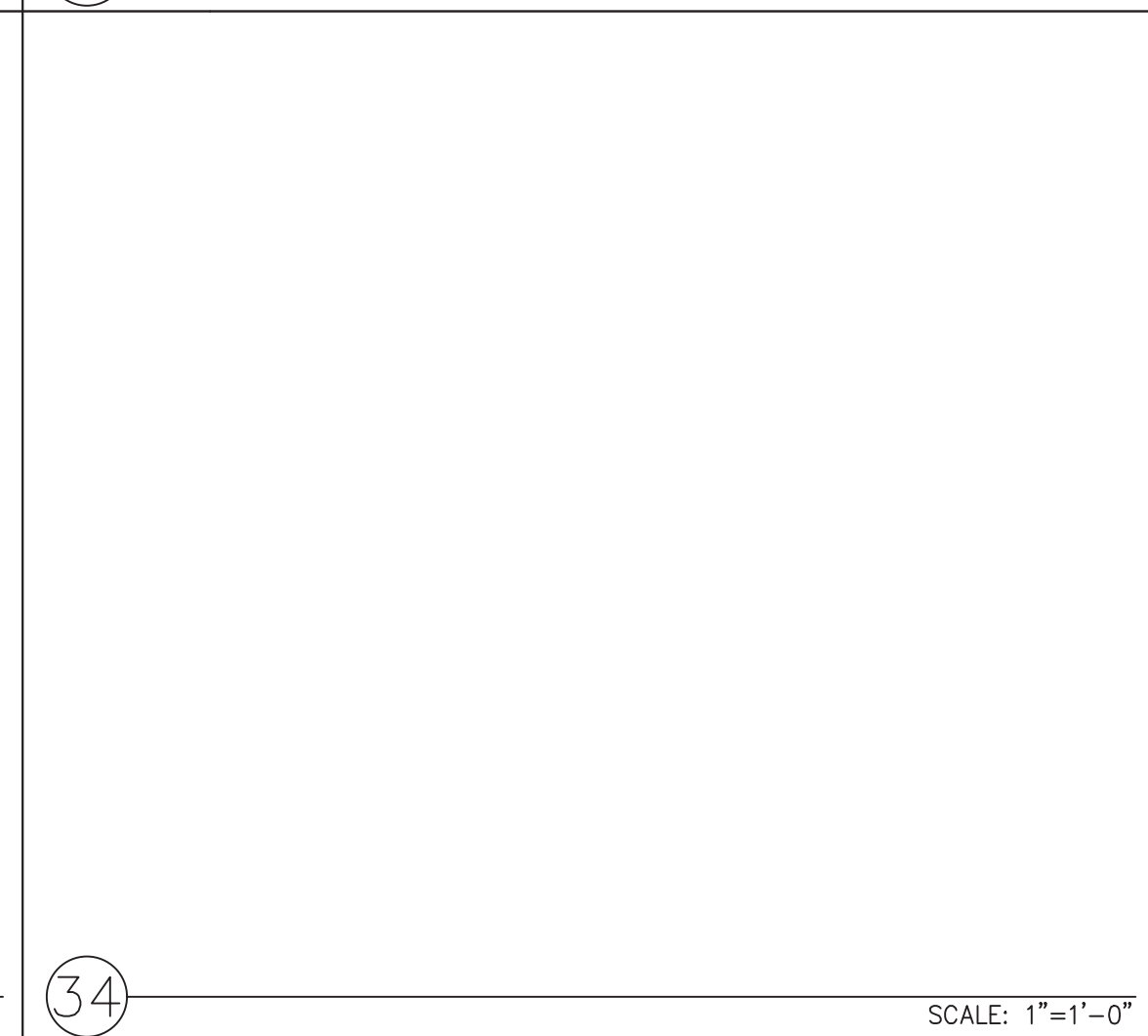
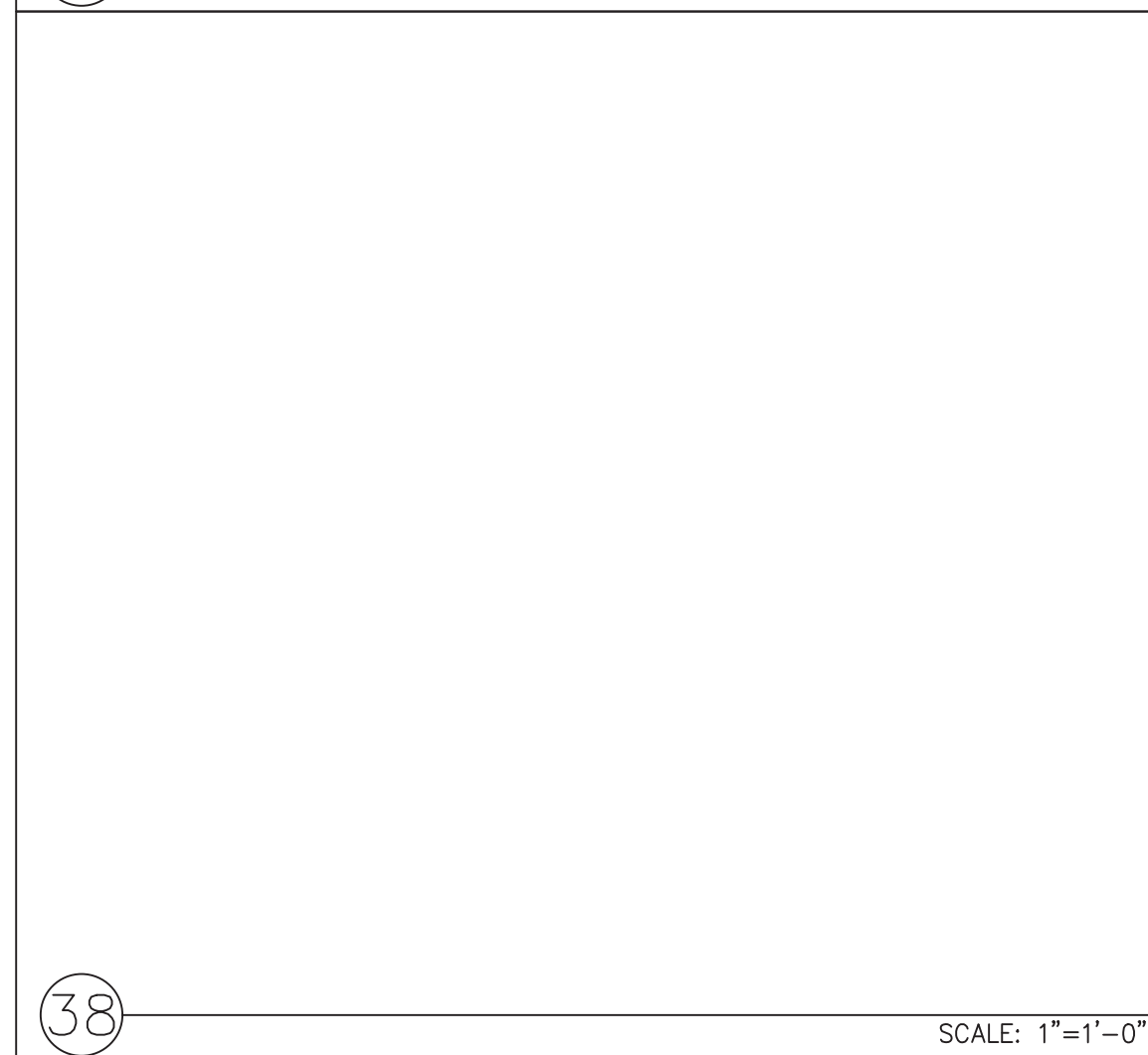
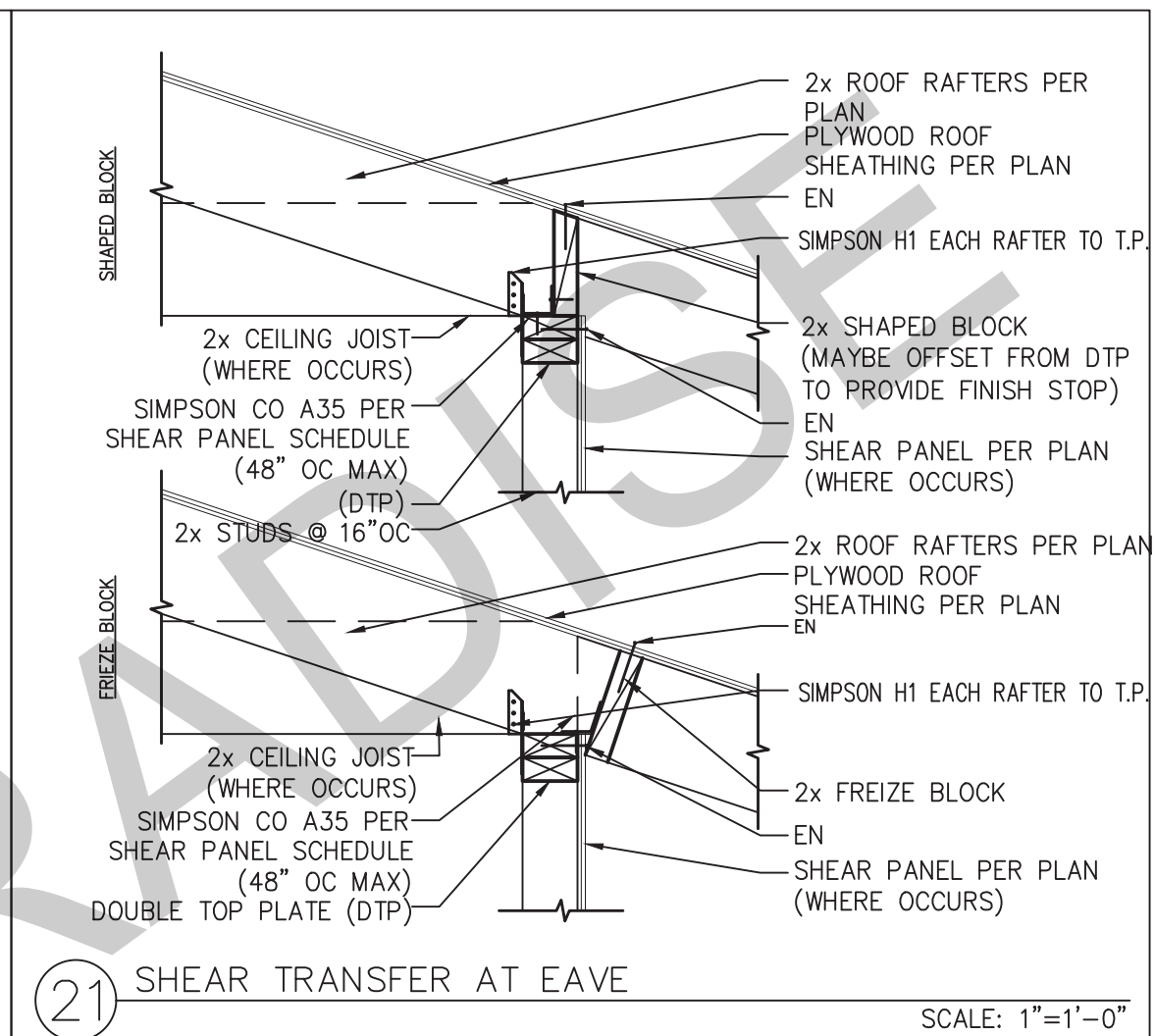
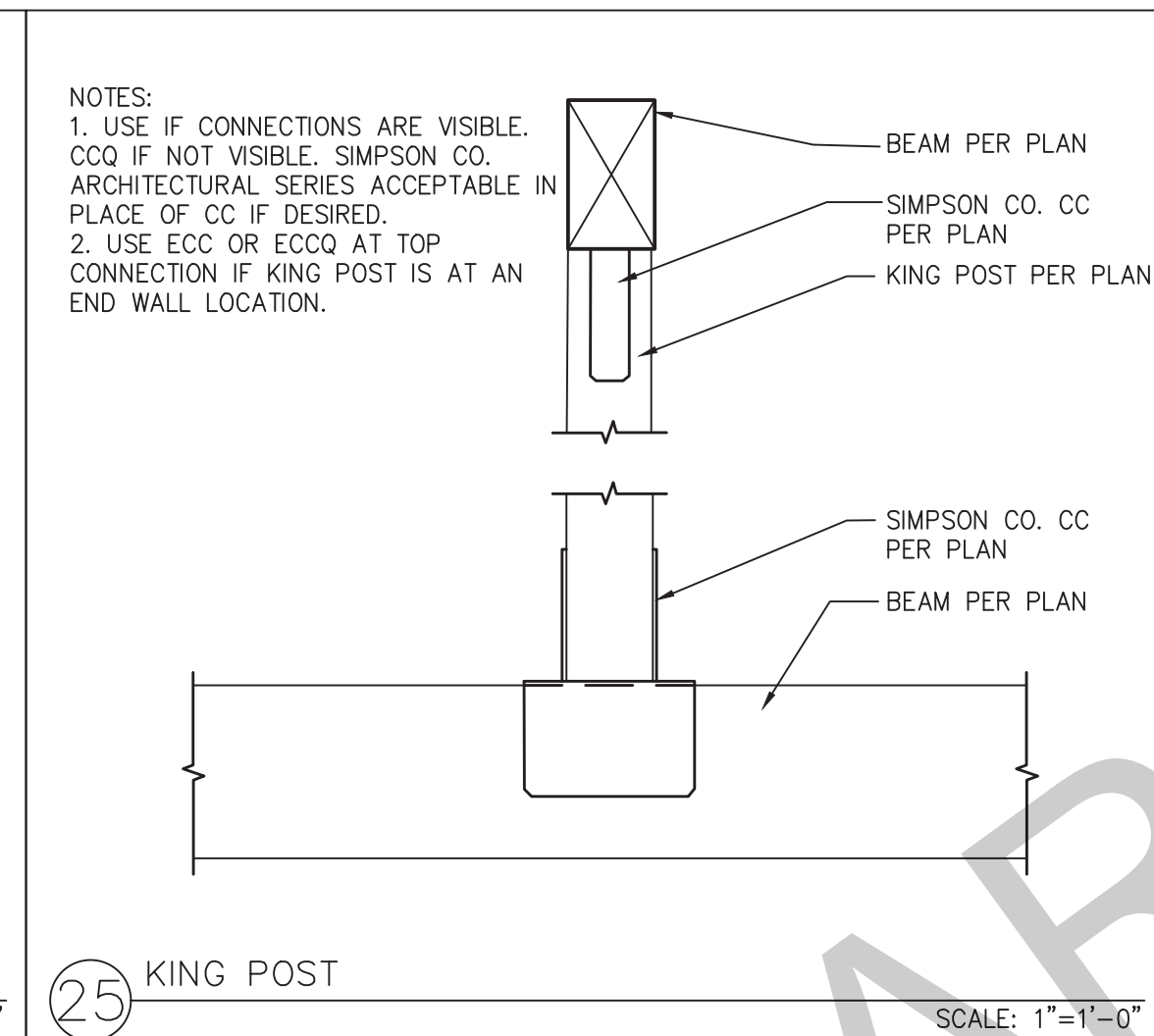
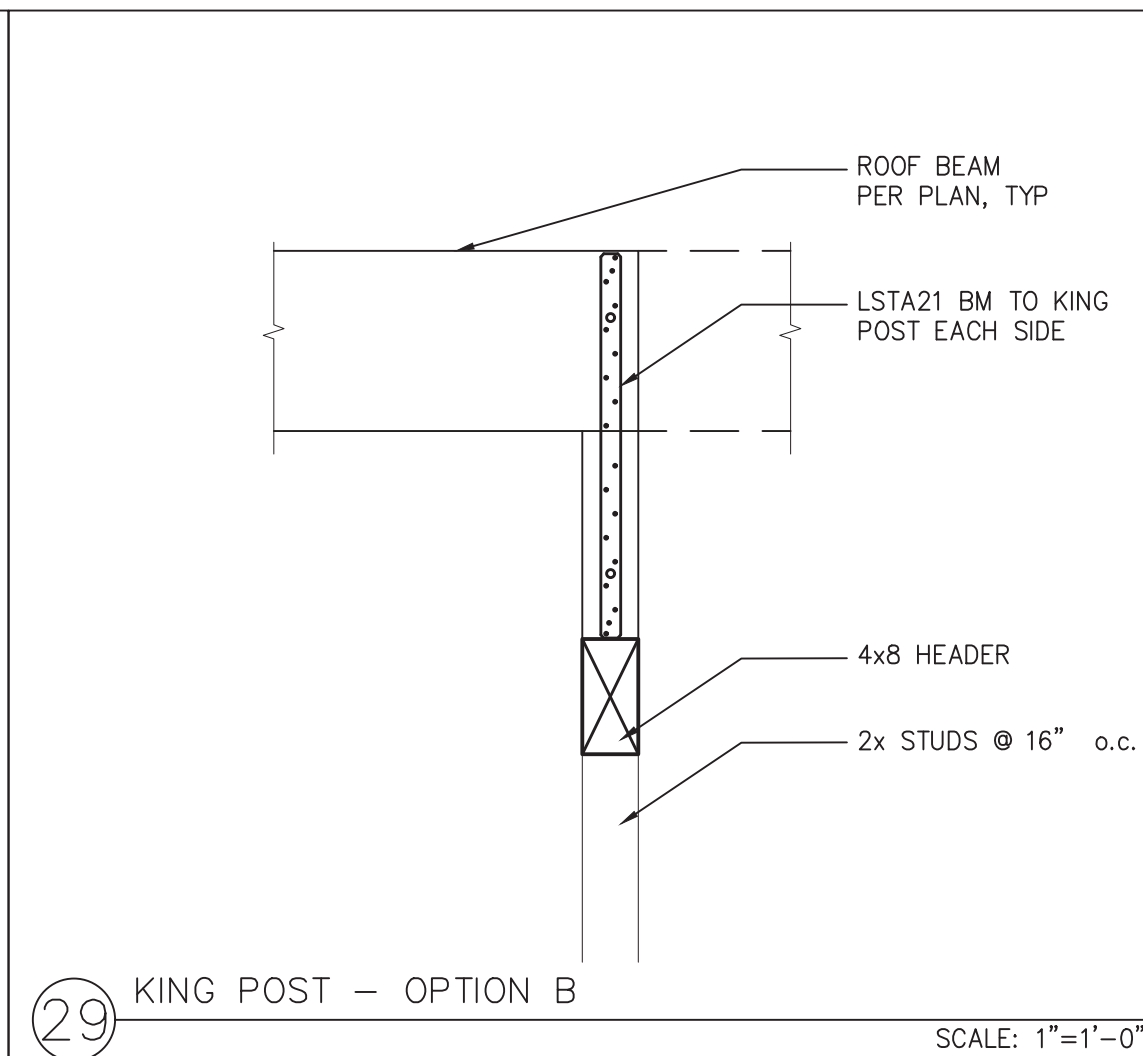
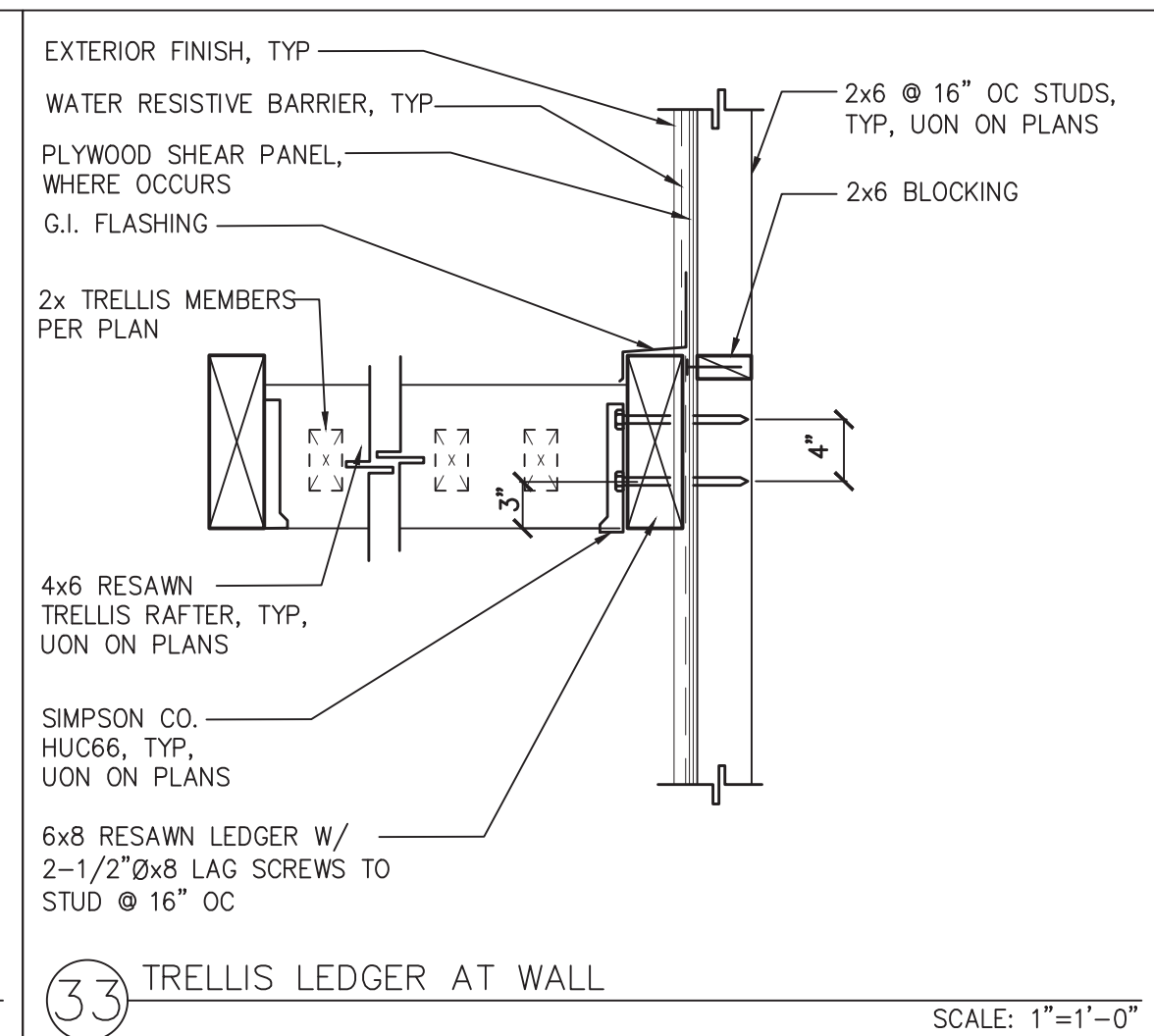
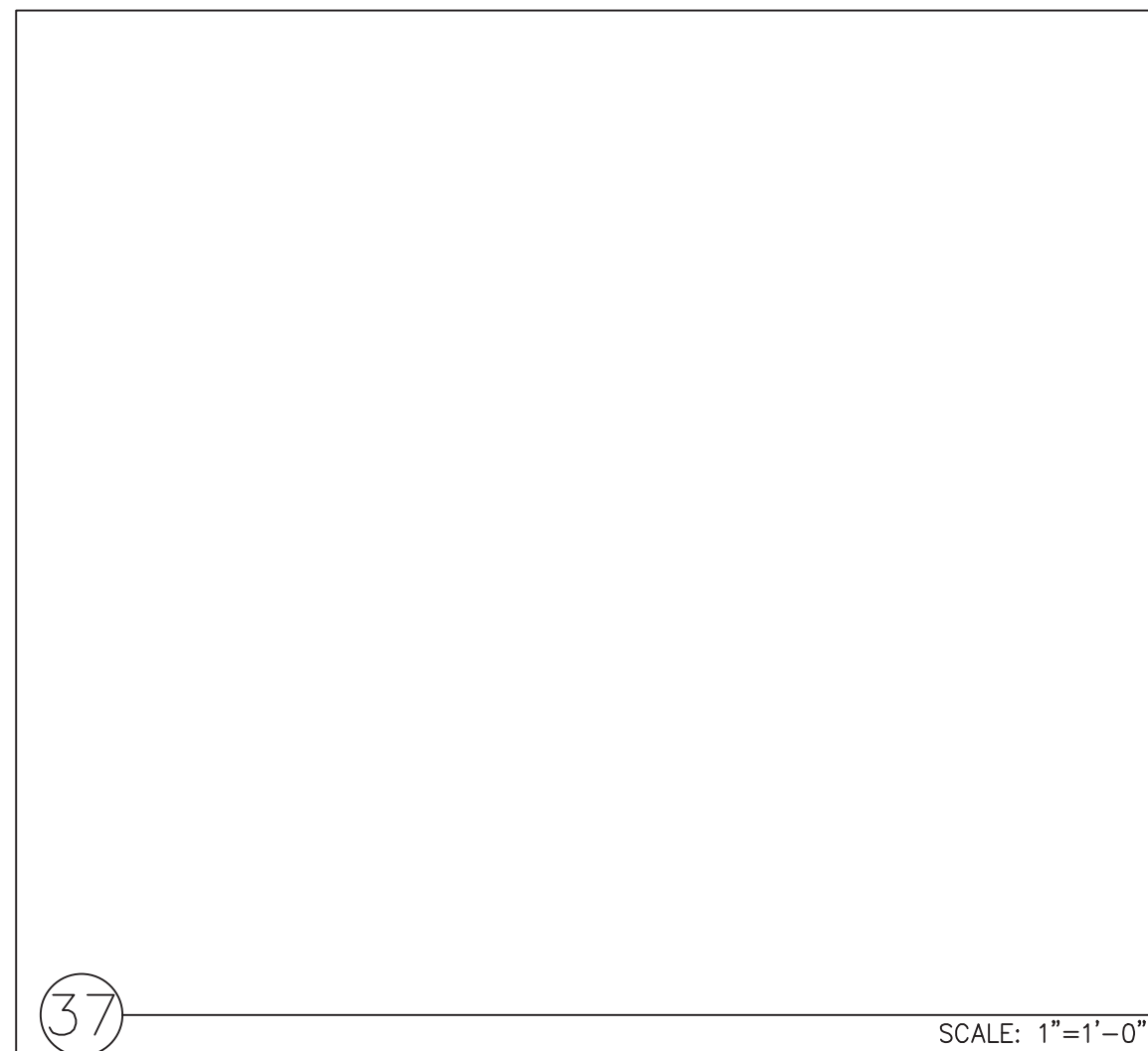
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Details

date ## Month 20##

project no. 20##_xxxxxx

drawn by xxx/xxx

sheet no. S4



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description
Structural
Details

date ## Month 20##

project no. 20##_xxxxxx

drawn by xxx/xxx

sheet no. S5

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BUILDING ENERGY ANALYSIS REPORT	
PROJECT: Pre-Approved ADU Program Paradise, CA	
Project Designer: Design Path Studio 100 Chesterfield Dr. Encinitas, CA 92007 (619) 292-8807	
Report Prepared by: Design Path Studio Encinitas, CA 92024	
Job Number: Date: 3/13/2023	
<small>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</small>	

TITLE 24 COMPLIANCE REQUIREMENTS SUMMARY
PARADISE ADU - 1 Bed B
Ceiling Insulation = R-38 min. at rafters
Radiant Barrier - No
Roofing - see owner - No Cool Roof Req'd
Wall Insulation = R-21 at new 2 x 6 walls
Floor Insulation - N/A
Thermal Mass Areas = Exposed Slab Flooring
Oil - Yes/No HERS rate any before drywall. Alert insulation contractor.
SOLAR - NO - Design meets solar exemption
Glazing = All new windows & doors are dual glazing. All glass is clear. Glazing shall be installed with a NFRC certifying label attached showing U-factor.
U-Factor = 0.30 windows, doors.
Solar Heat Gain Co-efficient = 0.23 windows, doors.
Hot Water Heater = 40-gal heat pump RHEM PROPH072RH37S30 or eq. Uniform Energy Factor is 3.1 min. NEEB-Rated. HERS VERIFIED.
IAQ FAN - 42 cfm & 0.35 cfm power. Verify w/ Mech. (continuous ventilation per ASHRAE 62.2 is req'd for IAQ) HERS VERIFIED. Note IAQ fan on plan w/ timer switch w/ manual off & sound rating of 1 sone.
HSPF - 10 min. (New mid-split)
SEER - 16.0 min. (new) HERS REQUIRED.
REFRIGERANT CHARGE: AIRFLOW IN HABITABLE ROOMS (SC3.1.4.1.7), VERIFIED HEAT PUMP RATED HEATING CAPACITY, WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150 S.F. (SC3.4.5) AND DUCTLESS INDOOR UNITS ARE LOCATED ENTIRELY IN CONDITIONED SPACE (SC3.1.4.1.8).
Duct Insulation = none
Duct (HERS) % Leakage Test - NO
Water Saving
 Total Sanitary Heating Load = -11,666 Btu
 Min-Split Heat Pump or eq = 24,000 Btu
A/C Sizing
 Total Sensible cooling load = 8,231 Btu = 1 ton
WHOLE HOUSE ATTIC COOLING FAN - NFR for compliance
 *These load calculations, sizing & equipment are for Title 24 purposes & should be verified HVAC by a Mechanical Engineer/Contractor.
 Owner may install any Make & Model HVAC equipment that is equal or greater than the min. efficiencies listed above. All equipment is listed "for eq"
ALL LIGHTING TO BE HIGH EFFICACY - SEE MFR FOR SWITCHING & NOTES.
LOCAL EXHAUST FAN RATES BATH = 50 CFM, KITCHEN = 100 CFM, < 3 zones & listed on CEC directory. HERS VERIFIED.
SONE RATING = 1 FOR CONTINUOUS FAN AND 3 FOR INTERMITTENT FAN.

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD
 Project Name: Residential Building
 Calculation Date/Time: 2023-03-06T09:29:53-08:00
 Calculation Description: Title 24 Analysis
 Input File Name: 1BedB_rbd22x
 CFCR-PRF-01E (Page 1 of 13)

GENERAL INFORMATION	
01	Project Name: Residential Building
02	Run Title: Title 24 Analysis
03	Project Location:
04	City: Paradise
05	Standards Version: 2022
06	Zip code: 92024
07	Software Version: EnergyPro 9.1
08	Climate Zone: 11
09	Front Orientation (deg/ Cardinal): All orientations
10	Building Type: Single family
11	Number of Dwelling Units: 1
12	Project Scope: Newly Constructed
13	Number of Bedrooms: 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): 667
19	Glazing Percentage (%): 20.10%
20	ADU Bedroom Count: n/a

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

Registration Number: 223-P01003400A-000-000-0000000-0000
 Registration Date/Time: 2023-03-13 20:03:06
 CA Building Energy Efficiency Standards - 2022 Residential Compliance
 Report Version: 2022.0.000
 Schema Version: rev 20220901
 HERS Provider: CaCERTS, Inc.
 Report Generated: 2023-03-06 09:30:38

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD
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 Input File Name: 1BedB_rbd22x
 CFCR-PRF-01E (Page 4 of 13)

ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft²-yr)	Standard Design TDV Energy (EDR2) (kTDV/ft²-yr)	Proposed Design Source Energy (EDR1) (kBtu/ft²-yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft²-yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	4.94	21.74	3.03	22.61	1.91	-0.87
Space Cooling	2.58	56.73	2.29	52.15	0.29	4.58
IAQ Ventilation	0.49	5.23	0.49	5.23	0	0
Water Heating	3.95	39.27	2.44	26.33	1.51	12.94
Self Utilization/Flexibility Credit					0	0
North Facing Efficiency Compliance Total	11.96	122.97	8.25	106.32	3.71	16.65
Space Heating	4.94	21.74	2.88	21.8	2.06	0.44
Space Cooling	2.58	56.73	2.3	52.67	0.28	4.06
IAQ Ventilation	0.49	5.23	0.49	5.23	0	0
Water Heating	3.95	39.27	2.43	26.32	1.52	12.95
Self Utilization/Flexibility Credit					0	0
South Facing Efficiency Compliance Total	11.96	122.97	8.3	109.02	3.66	13.95
Space Heating	4.94	21.74	2.91	21.77	2.03	-0.03
Space Cooling	2.58	56.73	2.46	55.69	0.12	1.04
IAQ Ventilation	0.49	5.23	0.49	5.23	0	0
Water Heating	3.95	39.27	2.44	26.33	1.51	12.94
Self Utilization/Flexibility Credit					0	0
West Facing Efficiency Compliance Total	11.96	122.97	8.3	109.02	3.66	13.95

Registration Number: 223-P01003400A-000-000-0000000-0000
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 CFCR-PRF-01E (Page 7 of 13)

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
1Bedroom - B	Conditioned	HVAC System1	667	8	DHW Sys 1	New

OPAQUE SURFACES							
01	02	03	04	05	06	07	08
Name	Zone	Construction	Azimuth	Orientation	Gross Area (ft²)	Window and Door Area (ft²)	Tilt (deg)
Front Wall	1Bedroom - B	R-21 Wall	0	Front	240	70	90
Left Wall	1Bedroom - B	R-21 Wall	90	Left	240	46.02	90
Rear Wall	1Bedroom - B	R-21 Wall	180	Back	240	30	90
Right Wall	1Bedroom - B	R-21 Wall	270	Right	240	27.75	90

OPAQUE SURFACES - CATHEDRAL CEILINGS										
01	02	03	04	05	06	07	08	09	10	11
Name	Zone	Construction	Azimuth	Orientation	Area (ft²)	Skylight Area (ft²)	Roof Rise (ft in 12)	Roof Reflectance	Roof Emittance	Cool Roof
Roof	1Bedroom - B	R-38 Roof No Attic	0	Front	667	0	3	0.1	0.85	No

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 A	Window	Front Wall	Front	0	2	3	1	6	0.3	NFRC	0.23	NFRC	Bug Screen
Window A.2	Window	Front Wall	Front	0	2	3	1	6	0.3	NFRC	0.23	NFRC	Bug Screen
Window E	Window	Front Wall	Front	0	6	3	1	18	0.3	NFRC	0.23	NFRC	Bug Screen

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

ENERGY DESIGN RATINGS						
	Energy Design Ratings			Compliance Margins		
	Source Energy (EDR1)	Efficiency² EDR (EDR2efficiency)	Total² EDR (EDR2total)	Source Energy (EDR1)	Efficiency² EDR (EDR2efficiency)	Total² EDR (EDR2total)
Standard Design	43.9	41.7	54.4			
Proposed Design						
North Facing	38.1	36	50.9	5.8	5.7	3.5
East Facing	37.8	35.8	50.7	6.1	5.9	3.7
South Facing	37.9	36.5	51.2	6	5.2	3.2
West Facing	38.2	36.9	51.5	5.7	4.8	2.9
RESULT: PASS						
<small> ²Efficiency EDR includes improvements like a better building envelope and more efficient equipment. Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries. Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded. • Standard Design PV Capacity: 0.00 kWdc • Proposed PV Capacity Scaling: North (0.00 kWdc) East (0.00 kWdc) South (0.00 kWdc) West (0.00 kWdc) </small>						

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ENERGY USE INTENSITY				
	Standard Design (kBtu/ft²-yr)	Proposed Design (kBtu/ft²-yr)	Compliance Margin (kBtu/ft²-yr)	Margin Percentage
North Facing				
Gross EU1¹	35.2	30.2	5	14.2
Net EU2²	35.2	30.2	5	14.2
East Facing				
Gross EU1¹	35.2	30.2	5	14.2
Net EU2²	35.2	30.2	5	14.2
South Facing				
Gross EU1¹	35.2	30.28	4.92	13.98
Net EU2²	35.2	30.28	4.92	13.98
West Facing				
Gross EU1¹	35.2	30.3	4.9	13.92
Net EU2²	35.2	30.3	4.9	13.92

Notes:
 1. Gross EU1 is Energy Use Total (not including PV) / Total Building Area.
 2. Net EU2 is Energy Use Total (including PV) / Total Building Area.

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ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft²-yr)	Standard Design TDV Energy (EDR2) (kTDV/ft²-yr)	Proposed Design Source Energy (EDR1) (kBtu/ft²-yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft²-yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	4.94	21.74	3.03	22.61	1.91	-0.87
Space Cooling	2.58	56.73	2.29	52.15	0.29	4.58
IAQ Ventilation	0.49	5.23	0.49	5.23	0	0
Water Heating	3.95	39.27	2.44	26.33	1.51	12.94
Self Utilization/Flexibility Credit					0	0
North Facing Efficiency Compliance Total	11.96	122.97	8.25	106.32	3.71	16.65
Space Heating	4.94	21.74	2.88	21.8	2.06	0.44
Space Cooling	2.58	56.73	2.3	52.67	0.28	4.06
IAQ Ventilation	0.49	5.23	0.49	5.23	0	0
Water Heating	3.95	39.27	2.43	26.32	1.52	12.95
Self Utilization/Flexibility Credit					0	0
East Facing Efficiency Compliance Total	11.96	122.97	8.1	105.52	3.86	17.45

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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 (deg)	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
0		Standard (14-17%)	Fixed	none	true	n/a	n/a	n/a	n/a	n/a	n/a

REQUIRED SPECIAL FEATURES
 The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.
 • PV exception 2: No PV required when minimum PV size (Section 150.1(c)(14)) < 1.8 kWdc (0 kW)
 • Window overhangs and/or fins
 • Variable capacity heat pump compliance option (verification details from VCHP Staff report, Appendix B, and RA3)
 • Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater, specific brand/model, or equivalent, must be installed

HERS FEATURE SUMMARY
 The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CFCRs and CFCRs are required to be completed in the HERS Registry.
 • Quality insulation installation (QII)
 • Indoor air quality ventilation
 • Kitchen range hood
 • Verified EER/EER2
 • Verified SEER/EER2
 • Verified Refrigerant Charge
 • Airflow in habitable rooms (SC3.1.4.1.7)
 • Verified HSPF
 • Verified heat pump rated heating capacity
 • Wall-mounted thermostat in zones greater than 150 ft² (SC3.4.5)
 • Ductless indoor units located entirely in conditioned space (SC3.1.4.1.8)

BUILDING - FEATURES INFORMATION						
01	02	03	04	05	06	07
Project Name	Conditioned Floor Area (ft²)	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems
Residential Building	667	1	2	1	0	1

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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 (ft ²)	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Window D	Window	Left Wall	Left	90	3	2	1	6	0.3	NFRC	0.23	NFRC	Bug Screen
Sliding Door	Window	Left Wall	Left	90	6	6.67	1	40.02	0.3	NFRC	0.23	NFRC	Bug Screen
Window A 3	Window	Rear Wall	Back	180	2	3	1	6	0.3	NFRC	0.23	NFRC	Bug Screen
Window C	Window	Rear Wall	Back	180	6	4	1	24	0.3	NFRC	0.23	NFRC	Bug Screen
Window B	Window	Right Wall	Right	270	2.5	1.5	1	3.75	0.3	NFRC	0.23	NFRC	Bug Screen
Window C 2	Window	Right Wall	Right	270	6	4	1	24	0.3	NFRC	0.23	NFRC	Bug Screen

01	02	03	04
Name	Side of Building	Area (ft ²)	U-factor
Door	Front Wall	40	0.5

01	02	03	04	05	06	07	08	09	10	11	12	13	14	
Window	Depth	Dist Up	Overhang		Flap Ht.	Left Fin		Right Fin		Depth	Top Up	Dist R	Bot Up	
			Left Extent	Right Extent		Top Up	Dist L	Bot Up	Depth					Top Up
Window A	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0
Window A 2	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0
Window E	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0
Window D	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0

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01	02	03	04	05	06	07
Name	Pipe Insulation	Parallel Piping	Compact Distribution	Compact Distribution Type	Recirculation Control	Shower Drain Water Heat Recovery
DHW Sys 1-1/1	Not Required	Not Required	Not Required	None	Not Required	Not Required

01	02	03	04	05	06	07	08	09
Name	System Type	Heating Unit Name	Heating Equipment Count	Cooling Unit Name	Cooling Equipment Count	Fan Name	Distribution Name	Required Thermostat Type
HVAC System 1	Heat pump heating cooling	Heat Pump System 1	1	Heat Pump System 1	1	n/a	n/a	Setback

01	02	03	04	05	06	07	08	09	10	11	12	13	
Name	System Type	Number of Units	Efficiency Type	HSPF / SEER / COP	Cap 47	Cap 17	Efficiency Type	SEER / SEER2	EER / EER2	CEER	Zoneally Controlled	Compressor Type	HERS Verification
Heat Pump System 1	VCHP-ductless	1	HSPF2	10	24000	18000	EER2SEER2	16	13	Zoneally Controlled	Single Speed	Heat Pump System 1-HERS-HPump	

01	02	03	04	05	06	07	08	09
Name	Verified Airflow	Airflow Target	Verified EER/EER2	Verified SEER/SEER2	Verified Refrigerant Charge	Verified HSPF/HSPF2	Verified Heating Cap 47	Verified Heating Cap 17
Heat Pump System 1-HERS-HPump	Not Required	0	Not Required	Not Required	Yes	No	Yes	Yes

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01	02	03	04	05	06	07	08	09	10	11	12	13	14	
Window	Depth	Dist Up	Overhang		Flap Ht.	Left Fin		Right Fin		Depth	Top Up	Dist L	Bot Up	
			Left Extent	Right Extent		Top Up	Dist L	Bot Up	Depth					Top Up
Sliding Door	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0
Window A 3	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0
Window C	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0
Window B	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0
Window C 2	2	0.1	12	12	0	0	0	0	0	0	0	0	0	0

01	02	03	04	05	06	07	08
Name	Zone	Area (ft ²)	Perimeter (ft)	Edge Insul. R-value and Depth	Edge Insul. R-value and Depth	Carpeted Fraction	Heated
Slab	1Bedroom - B	667	120	none	0	80%	No

01	02	03	04	05	06	07	08			
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers			
								Depth	Dist Up	Left Extent
R-21 Wall	Exterior Walls	Wood Framed Wall	2x6 @ 16 in. O.C.	R-21	None / None	0.068	Inside Finish: Gypsum Board Cavity Frame: R-21 2x6 Exterior Finish: All Other Siding			

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01	02	03	04	05	06	07	08	09	10
Name	Certified VCHP System	Airflow to Habitable Rooms	Ductless Units in Conditioned Space	Wall Mount Thermostat	Air Filter Sizing Ramp; Pressure Drop Rating	Low Leakage Ducts in Conditioned Space	Minimum Airflow per RA3.3 and SC3.3.4.1	Certified non-continuous Fan	Indoor Fan not Running Continuously
Heat Pump System 1	Not required	Required	Required	Required	Not required	Not required	Not required	Not required	Not required

01	02	03	04	05	06	07	08	09
Dwelling Unit	Airflow (CFM)	Fan Efficiency (W/CFM)	IAQ Fan Type	Includes Heat Recovery?	IAQ Recovery - SRE	Includes Fault Indicator Display?	HERS Verification	Status
Sfam IAQVentRpt	42	0.35	Exhaust	No	n/a	No	Yes	

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01	02	03	04	05	06	07	08			
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers			
								Depth	Dist Up	Left Extent
R-38 Roof No Attic	Cathedral Ceilings	Wood Framed Ceiling	2x12 @ 16 in. O.C.	R-35	None / None	0.031	Roofing: 10 PSF (RooF/AirGap) Tile Gap: present Roof Deck: Wood Siding/sheathing/decking Cavity / Frame: R-35 / 2x12 Inside Finish: Gypsum Board			

01	02	03	04	05
Quality Insulation Installation (QII)	High R-value Spray Foam Insulation	Building Envelope Air Leakage	CFM50	CFM50
Required	Not Required	N/A	n/a	n/a

01	02	03	04	05	06	07	08	09
Name	System Type	Distribution Type	Water Heater Name	Number of Units	Solar Heating System	Compact Distribution	HERS Verification	Water Heater Name (H)
DHW Sys 1	Domestic Hot Water (DHW)	Standard	DHW Heater 1	1	n/a	None	n/a	DHW Heater 1 (1)

01	02	03	04	05	06	07	08
Name	# of Units	Tank Vol. (gal)	NEEA Heat Pump Brand	NEEA Heat Pump Model	Tank Location	Duct Inlet Air Source	Duct Outlet Air Source
DHW Heater 1	1	40	Rheem	RheemPROHP40T2R H37530	1Bedroom - B	Outside	Outside

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2022 Single-Family Residential Mandatory Requirements Summary

NECC Single-Family Residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information.

- 110.0.01.1** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.1** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.2** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.3** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.4** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.5** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.6** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.7** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.8** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.9** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.10** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.11** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.12** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.13** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.14** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.15** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.16** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.17** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.18** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.19** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.20** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.21** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.22** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.23** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.24** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.25** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.26** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.27** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.28** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.29** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.30** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.31** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.32** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.33** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.34** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.35** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.36** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.37** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.38** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.39** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.40** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.41** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.42** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.43** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.44** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.45** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.46** **Field Fabricated** exterior doors and fenestrations products must use U-factors and solar heat gain coefficient (SHGC) values from Tables 110.0.0.1, 110.0.0.2, and 110.0.0.3.
- 110.0.0.47**

2022 Single-Family Residential Mandatory Requirements Summary

§ 150.0A1C	Recessed luminaires. Recessed luminaires must contain lamps that comply with Reference Joint Appendix JAK.
§ 150.0A1D	Light Sources in Enclosed or Recessed Luminaires. Lamps and other separate light sources that are not compliant with the JAK enclosed luminaire requirements, including marking requirements, shall not be installed in enclosed or recessed luminaires.
§ 150.0A1E	Light Sources in Drawers, Cabinets, and Linen Closets. Light sources inherent to drawers, cabinets or linen closets are not required to comply with Table 150.0A1E but are subject to marking requirements provided that they are not contained in more than a single of power, and no more than 100 lumens, and are equipped with controls that automatically turn the lighting off when the drawer, cabinet or linen closet is closed.
§ 150.0A2A	Interior Switches and Controls. All forward phase of dimmers used with LED light sources must comply with NEMA SS8, 7A.
§ 150.0A2B	Interior Switches and Controls. Exhaust fans must be controlled separately from lighting systems.
§ 150.0A2C	Accessories Controls. Lighting must have readily accessible wall-mounted controls that allow the lighting to be manually turned on and off.
§ 150.0A2D	Multiple Controls. Controls must not trigger a dimmer, occupancy sensor or vacancy sensor function if the dimmer or sensor is installed to comply with § 150.0A1.
§ 150.0A2E	Mandatory Requirements. Lighting controls must comply with the applicable requirements of § 110.3.
§ 150.0A2F	Energy Management Control Systems. An energy management control system (EMCS) may be used to comply with dimming, occupancy or control requirements if it provides the functionality of the specified control per § 110.3 and the physical controls specified in § 150.0A2C.
§ 150.0A2G	Automatic Shutoff Controls. In bedrooms, garages, laundry rooms, utility rooms and walk-in closets, at least one installed luminaire must be controlled by an occupancy or vacancy sensor providing automatic shutoff functionality. Lighting inside drawers and cabinets with interior turn or down must have controls that turn the light off when the drawer or door is closed.
§ 150.0A2H	Dimmer Controls. Dimmer controls shall be installed in bedrooms, utility rooms, laundry rooms and primary bedrooms. Dimmer controls shall be installed in these spaces must comply with NEMA SS8, 7A.
§ 150.0A2I	Dimmer Controls. Dimmer controls shall be installed in bedrooms, utility rooms, laundry rooms and primary bedrooms. Dimmer controls shall be installed in these spaces must comply with NEMA SS8, 7A.
§ 150.0A2J	Independent Controls. Independent lighting of recessed items shall be controlled independently from the line. Lighting under cabinets or shelves, lighting in display cabinets, and switched outlets must be controlled separately from ceiling-installed lighting.
§ 150.0A2K	Residential Outdoor Lighting. For single-family residential buildings, outdoor lighting permanently mounted to residential building or to other buildings on the same lot, must have a manual on/off switch and either a photo-cell and motion sensor or automatic time switch control or an astronomical time clock. An energy management control system that provides the specified control functionality and meets applicable requirements may be used to meet these requirements.
§ 150.0A2L	Internally Illuminated Address Signs. Internally illuminated address signs must either comply with § 102 or contain no more than 3" width of letter.
§ 150.0A2M	Residential Garage for Light or Motor Vehicles. Lighting for residential parking garages for light or motor vehicles must comply with the applicable requirements for non-residential garages in §§ 110.6, 110.8, 110.9, 110.4, 101.6, and 141.0.
§ 110.10A1	Single-Family Residences. Single-family residences located in subdivisions with 10 or more single-family residences and where the applicant for a tentative subdivision map for the residences has been deemed complete and approved by the enforcement agency, which do not have a photovoltaic system installed, must comply with the requirements of § 110.10B(4a).
§ 110.10B(4a)	Minimum Solar Zone Area. The solar zone must have a minimum total area as described below. The solar zone must comply with access, airflow, ample ventilation, and spacing requirements as specified in Title 24, Part 11 or other parts of Title 24 or in any requirements imposed by a local jurisdiction. The solar zone total area must be comprised of areas that are no more than six feet 6 feet and are no less than 80 square feet each for buildings with roof areas less than or equal to 10,000 square feet or no less than 100 square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be located on the roof or overhang of the building and have a total area no less than 250 square feet.
§ 110.10B(2)	Roofing. All sections of the solar zone located on steep-sloped roofs must have an acornuth between 90-300" of true north.
§ 110.10B(3A)	Shading. The solar zone must not contain any obstructions, including but not limited to vents, chimneys, architectural features, and roof-mounted equipment.
§ 110.10B(3B)	Shading. Any obstructions existing on or near an upper part of the building that project above a solar zone must be shaded. The horizontal distance of the height difference between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone measured to the solar plane.
§ 110.10B(4)	Structural Design Loads on Construction Documents. For areas of the roof designated as a solar zone, the structural design loads for roof dead load and live load must be clearly indicated on the construction documents.
§ 110.10B(5)	Interconnection Pathways. The construction documents must indicate a location reserved for inverters and metering equipment and a pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service and the single-family residences and central water-heating systems, a pathway reserved for routing of conduit from the solar zone to the water-heating system, and a pathway reserved for routing of conduit from the solar zone to the water-heating system.
§ 110.10B(6)	Interconnection Pathways. The construction documents must indicate a location reserved for inverters and metering equipment and a pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service and the single-family residences and central water-heating systems, a pathway reserved for routing of conduit from the solar zone to the water-heating system, and a pathway reserved for routing of conduit from the solar zone to the water-heating system.
§ 110.10B(7)	Main Electrical Service Panel. The main electrical service panel must have a minimum busbar rating of 200 amps.
§ 110.10B(8)	Main Electrical Service Panel. The main electrical service panel must have a reserved space to allow for the installation of a double pole circuit breaker for a future solar electric installation. The reserved space must be permanently marked as "For Future Solar Electric."

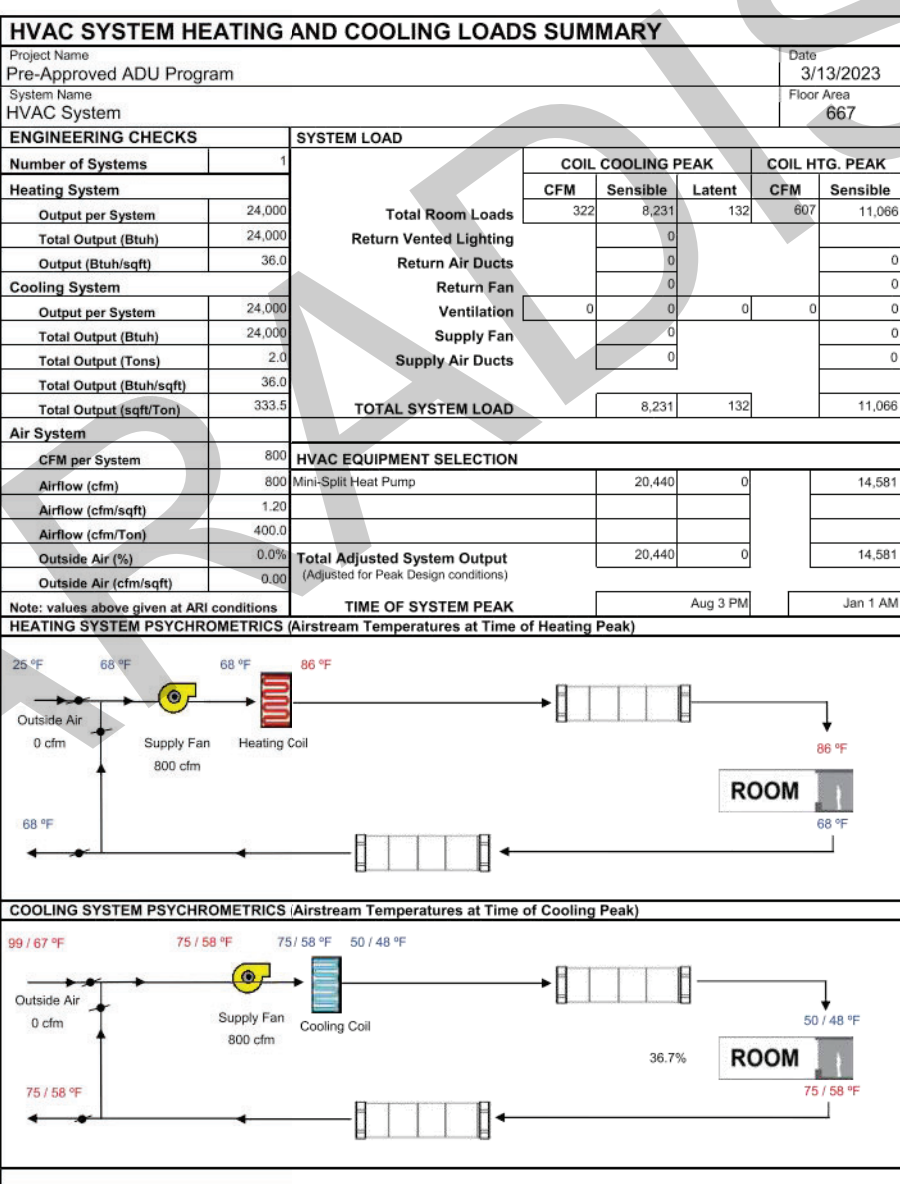
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2022 Single-Family Residential Mandatory Requirements Summary

§ 150.0A1	Energy Storage System (ESS) Ready. All single-family residences must meet all of the following. Either ESS-ready microinverter equipment with limited or capacity of 10 amps or more and four or more ESS-capable branch circuits, or a dedicated meter from the main service to a subpanel that supplies the branch circuits in § 150.0A1, at least four branch circuits must be identified and have their service calculated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit near the primary exit, and one circuit supplying a sleeping room receptacle outlet. Main panelboard must have a minimum busbar rating of 225 amps. Reserved space must be reserved to allow future installation of a system voltage equipment under each within 3' of the main panelboard, with receptacles installed between the panelboard and the switch location to allow the connection of backup power source.
§ 150.0A1	Heat Pump Space Heater Ready. Systems using gas or propane burners to serve individual dwelling units must include a dedicated undercabinet 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cover identified as "240V ready" and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."
§ 150.0A1	Electric Cooking Ready. Systems using gas or propane burners to serve individual dwelling units must include a dedicated undercabinet 240V branch circuit wiring installed within 3' of the cooking with circuit conductors rated at least 50 amps with the blank cover identified as "240V ready" and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."
§ 150.0A1	Electric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbing to serve individual dwelling units must include a dedicated undercabinet 240V branch circuit wiring installed within 3' of the dryer location with circuit conductors rated at least 30 amps with the blank cover identified as "240V ready" and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."

*Exceptions may apply.

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project
Town of Paradise
Pre-Approved
ADU Program

revisions
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description
Energy
Calculations
1 Bedroom B

date ## Month 20##

project no. 20##_xxxxxx

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sheet no. **T24.3**