

ATTIC VENTILATION: VENTILATION METHOD: 50% HIGH, 50% LOW (Cite R806.2 exception 2)  
 Math:  $[625.3(\text{CONDITIONED SPACE} + \text{PORCH ATTIC}) \cdot (1/300)]^{144} / 2 = 150 \text{ sq in high, } 150 \text{ sq in low}$   
 Use O'HAGIN'S TAPERED, LOW-PROFILE VENT (STANDARD FLANGE) = 72 sq in NVFA  
 150 sq in / 72 = 2.08; USE 2 VENTS LOW, 2 VENTS HIGH

EXCERPT FROM CRC R806.1  
 Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilating openings shall have a minimum dimension of 1/16 inch (1.6 mm) maximum. Ventilating openings shall have a maximum dimension of 6 inches (152 mm) maximum. Ventilating openings shall be provided with screening, hardware cloth or similar material having a minimum dimension of 1/16 inch (1.6 mm) maximum.  
 EXCERPT FROM CRC R806.2  
 Minimum vent area. The minimum of the area of the vented space.  
 Exception: The minimum net free vented space provided one or more of the following:  
 1. In Climate Zones 14 and 16, a the warm-in-winter side of the ceiling.  
 2. Not less than 40 percent and no required ventilating area is provided portion of the attic or rafter space more than 3 feet (914 mm) below measured vertically, with the balance by eave or cornice vents. Where the members conflicts with the installation more than 3 feet (914mm) below it shall be permitted.

EXCERPT FROM CRC R303.5.1 Intake openings. Mechanical and gravity out-door air intake openings shall be located not less than 10 feet (3048 mm) from any hazardous or noxious contaminant, such as vents, chimneys, plumbing vents, streets, alleys, parking lots and loading docks. For the purpose of this section, the exhaust from dwelling unit toilet rooms, bathrooms and kitchens shall not be considered as hazardous or noxious.  
 Exceptions: 1. The 10-foot (3048 mm) separation is not required where the intake opening is located 3 feet (914mm) or greater below the contaminant source.  
 2. Vents and chimneys serving fuel-burning appliances shall be terminated in accordance with the applicable provisions of Chapters 8.  
 3. Clothes dryer exhaust ducts shall be terminated in accordance with Section CMC 502.2.1

1 498 - ROOF PLAN  
 1/8" = 1'-0"

R703.7.2.1 WEEP SCREEDS: A MINIMUM 0.019-INCH (0.5 MM) (NO. 26 GALVANIZED SHEET GAGE), CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 3/2 INCHES (89 MM) SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS IN ACCORDANCE WITH ASTM C926. THE WEEP SCREED SHALL BE PLACED NOT LESS THAN 4 INCHES (102 MM) ABOVE THE EARTH OR 2 INCHES (51 MM) ABOVE PAVED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE WEATHER-RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE WEEP SCREED.

9 WALL COVERING  
 1/4" = 1'-0"

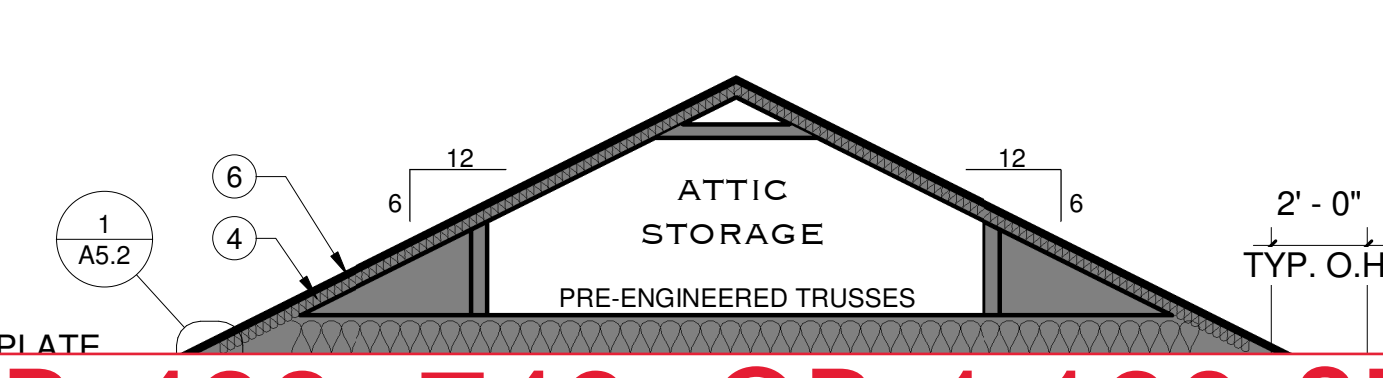
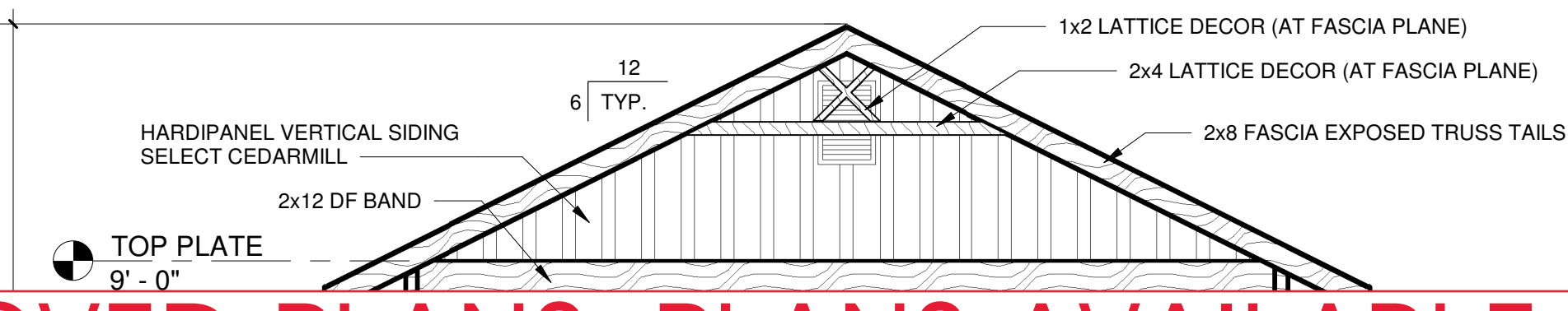
The ground immediately adjacent to the foundation shall be sloped away from the building at a slope of not less than 5 percent for a minimum distance of 10 feet. Impervious surfaces within 10 feet of the building foundation shall be sloped a minimum of 2 percent away from the building and drainage gradients maintained to carry all surface water to collection facilities and off site. These grades should be maintained for the life of the project. Ponding of water should not be allowed adjacent to the structure. Over irrigation within landscaped areas adjacent to the structure should not be performed.  
 Roof drains should be installed with appropriate downspout extension out-falling on splash blocks so as to direct water a minimum of 5 feet away from the structures or be connected to the storm drain system for the development.

8 GRADE NEXT TO STRUCTURE NOTES  
 1" = 1'-0"

ANNULAR SPACES AROUND PIPES, ELECTRICAL 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.

6 ENHANCED DURABILITY AND REDUCED MAINTENANCE  
 1/4" = 1'-0"

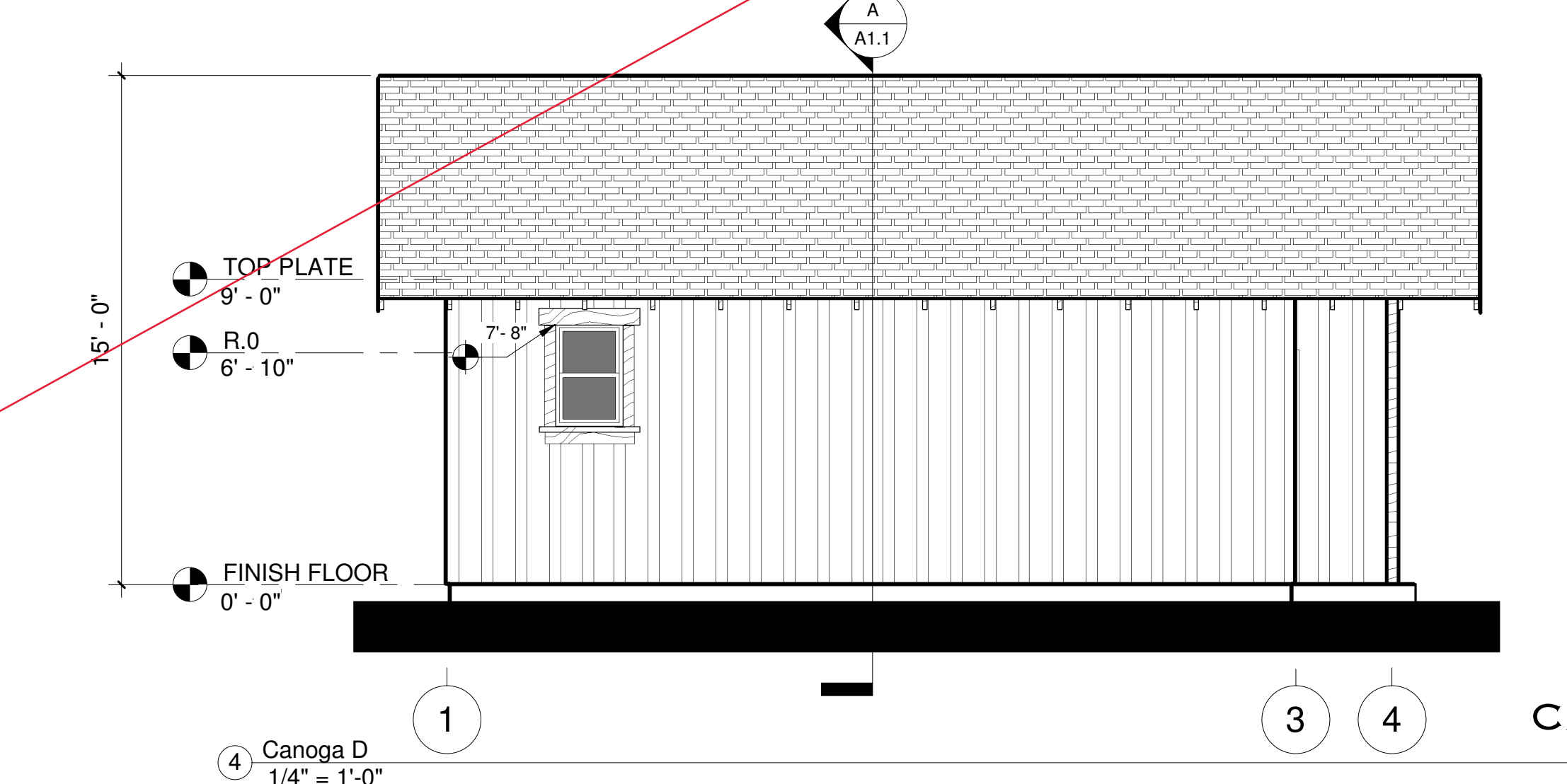
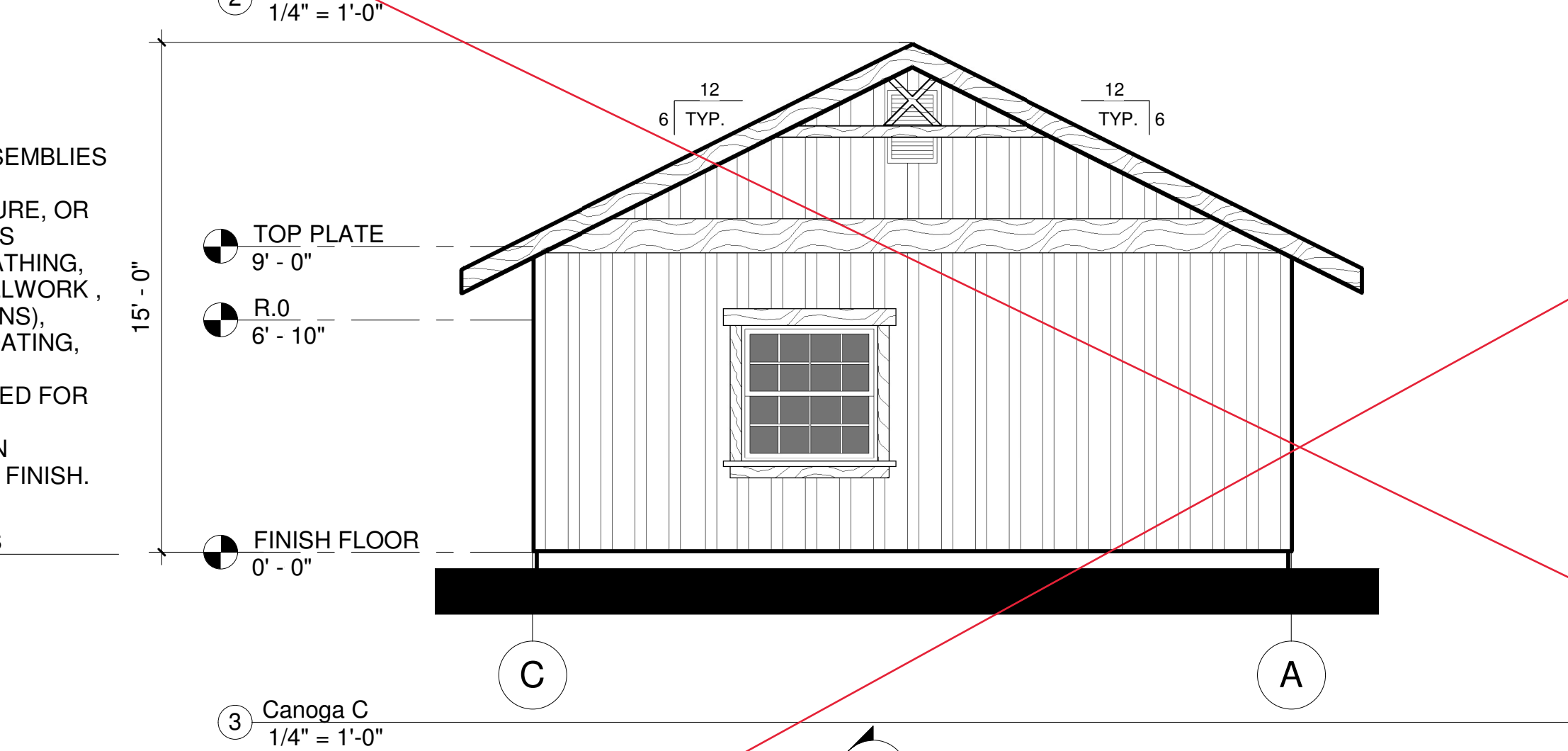
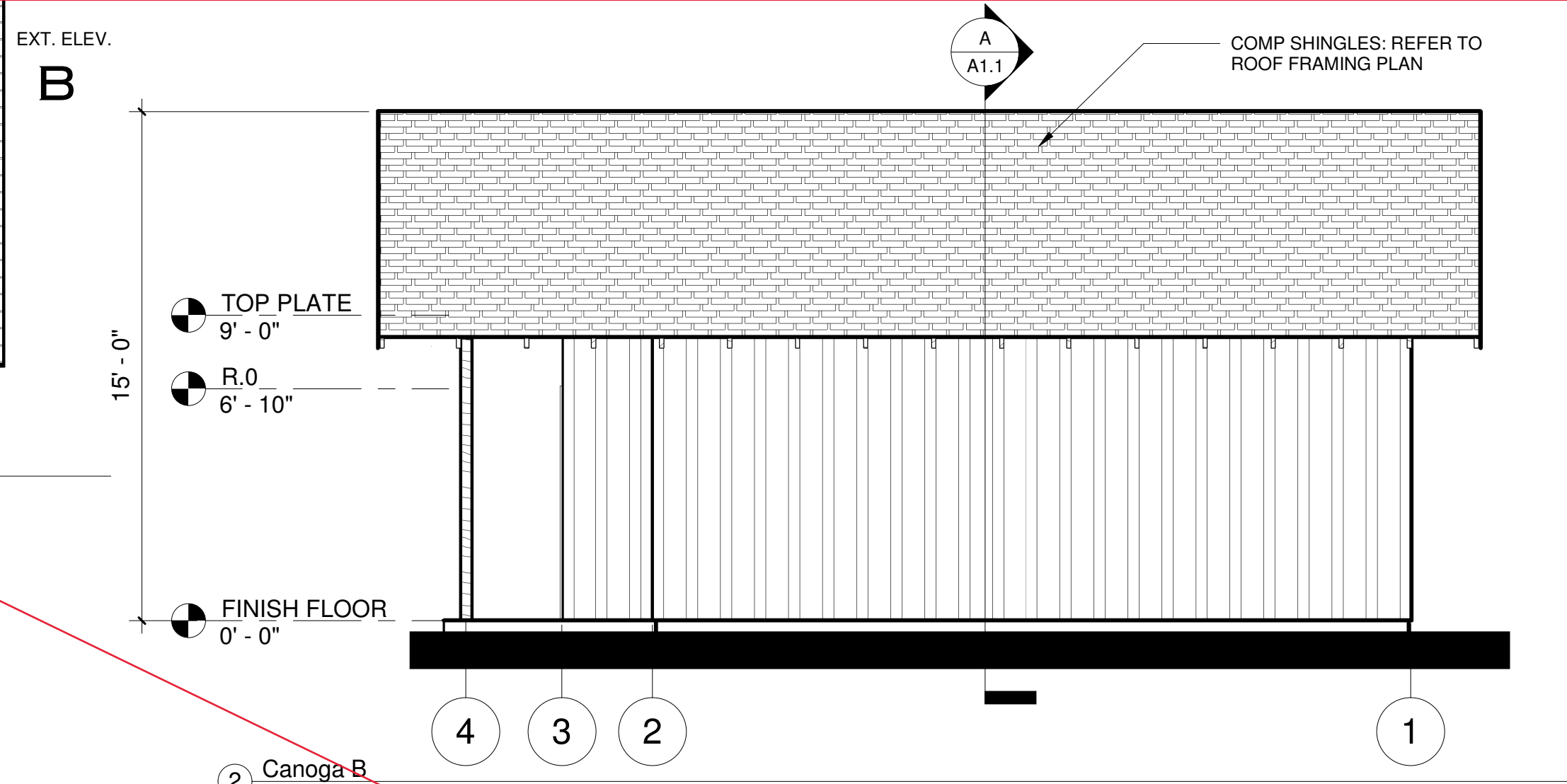
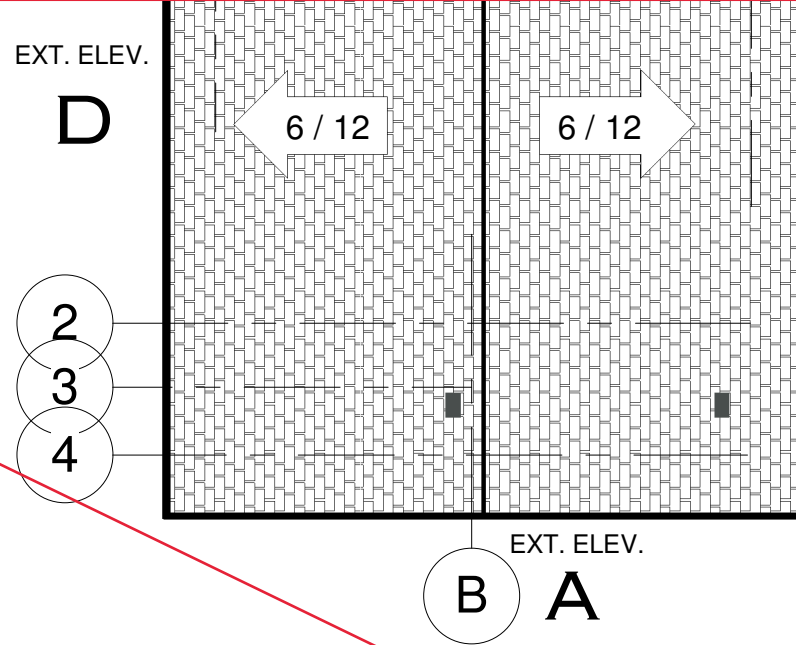
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- THERMAL ENVELOPE:
- 1 CONG FOUNDATION AND SLAB ON GRADE
  - 2 2 x 6 @ 16" o.c. WALLS, R-21 BATT INSUL + R-5 RIGID FOAM ON FACE
  - 3 R-38 INSUL ON TOP OF CEILING
  - 4 R-13 INSUL AT UNDERSIDE OF ROOF DECK

WS: PER ENERGY ANALYSIS

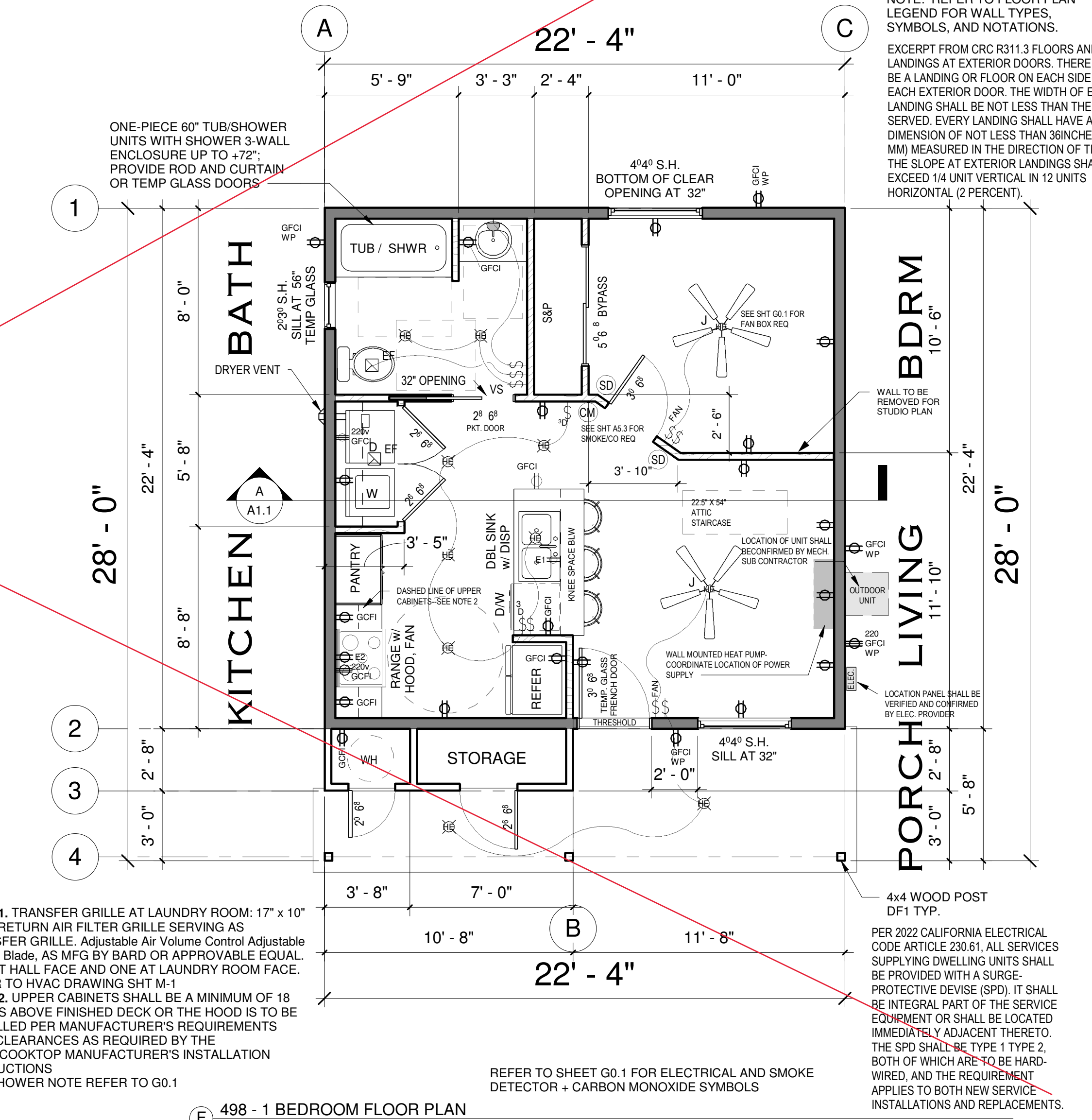
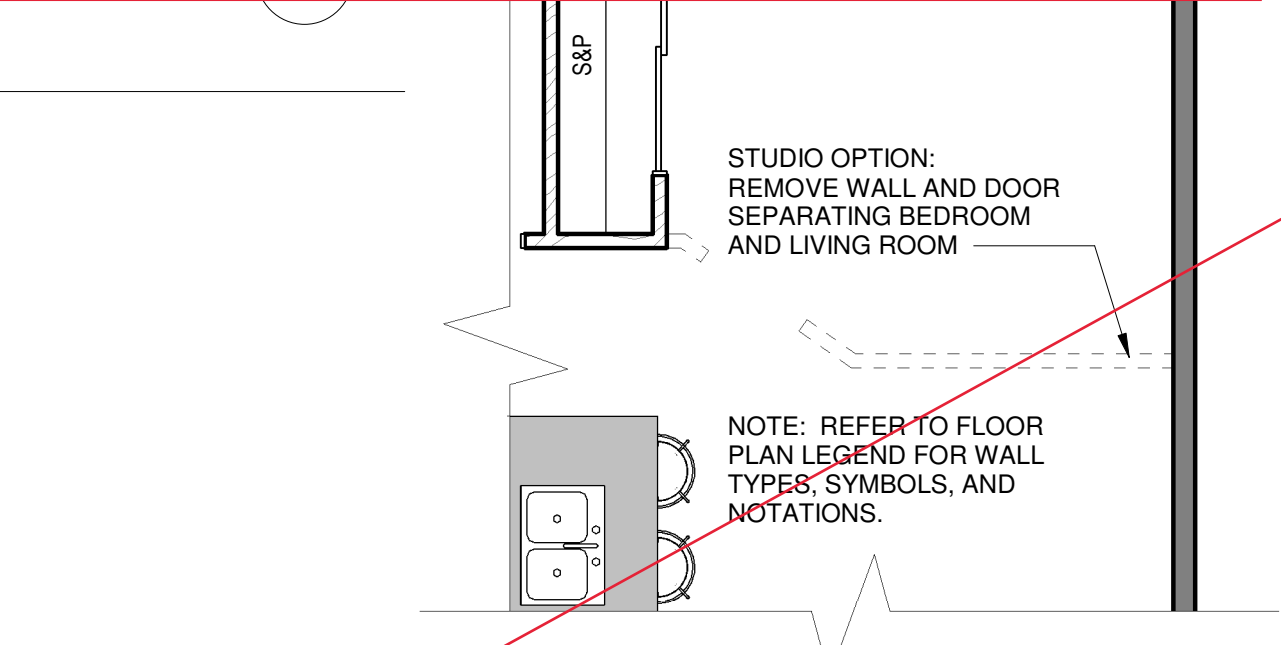
EXAMPLE OF PRE-APPROVED PLANS. PLANS AVAILABLE FOR 498, 749, OR 1,190 SF. LAYOUTS IN THREE ARCHITECTURAL STYLES THROUGH THE CITY OF MERCED PRE-APPROVED ADU PROGRAM. CONTACT INSPECTION SERVICES DIVISION AT (209) 385-4773 OR INSPECTIONSERVICESWEB@CITYOFMERCED.ORG FOR MORE INFORMATION.



CROSS SECTION  
 1/4" = 1'-0"

**CANOGA FINISH:**

- COMPOSITION SHINGLE ROOFING
- NO. 15 BUILDING PAPER
- WOOD FASCIA, PRIMED & PAINTED AS NOTED ON ELEVATIONS
- HARDIE TRIM RUSTIC GRAIN BATTEN BOARDS @ 12" O.C.
- HARDIE BOARD VERTICAL SIDING SELECT CEDARMILL HARDIBOARD PRODUCTS OR APPROVED EQUAL INSTALLED TO MFR. INSTALLATION PUBLICATIONS



CITY OF MERCED  
 ACCESSORY DWELLING UNIT PROGRAM

498  
 CANOGA

No.	Description	DATE
A	SITE PLAN REVIEW	5/11/2022
B	SITE PLAN REVIEW	6/13/2022
C	DRAFT RELEASE	8/31/2022
D	DRAFT RELEASE	9/29/2022
1		
2		
3		

Project Number  
 2210.2

**A1.1**

set date:  
 9/29/2022