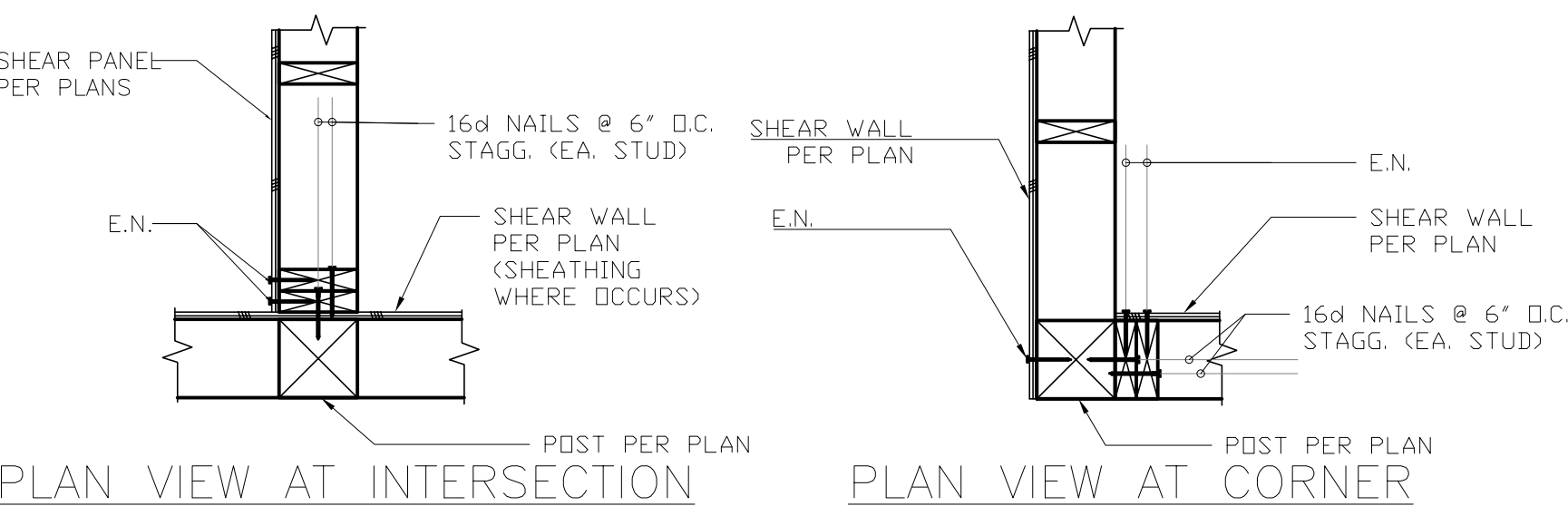


- NOTES:**
- 1- STAGGERED SHEATHING AS SHOWN
  - 2- NAILING SHALL BE PER PLANS.
  - 3- MIN. SHEATHING WIDTH SHALL BE 24".
  - 4- BOUNDARY NAIL ALL RIDGES, VALLEYS, HIPS, BEAMS & SHEAR WALLS.
  - 5- NAILS SHALL NOT PENETRATE THE FACE OF SHEATHING.
  - 6- PROVIDE 1/8" GAP BETWEEN SHEATHING EDGES.
  - 7- PROVIDE A MINIMUM OF 3/8" FROM THE EDGE OF A PANEL TO THE CENTER OF THE NAIL.

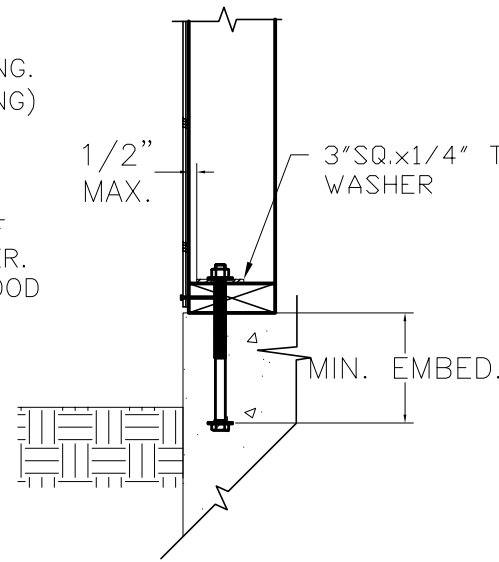
**9 TYPICAL HORIZONTAL DIAPHRAGM NAILING**



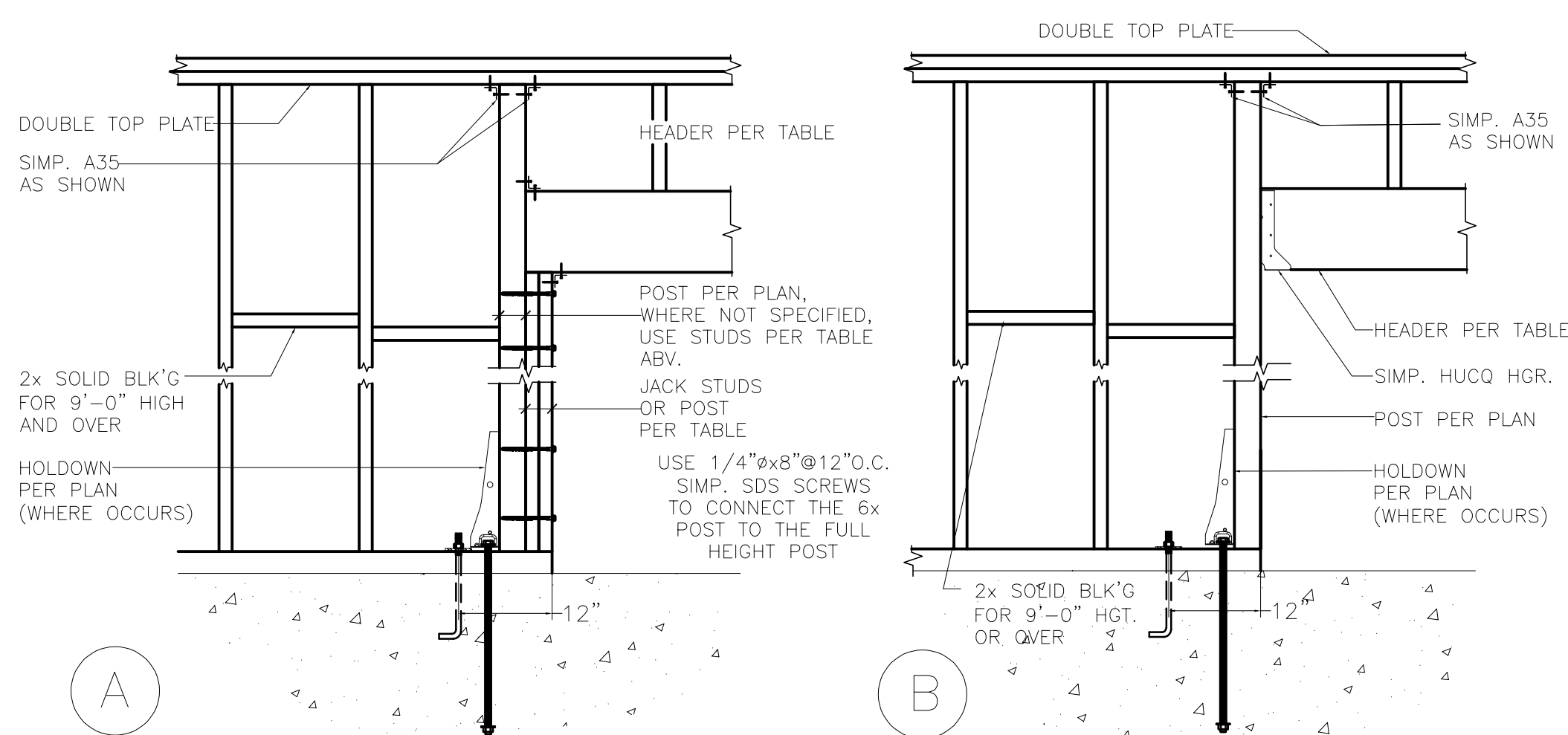
**10 SHEAR WALL INTERSECTIONS AT WALLS**

TYPE	MINIMUM NOMINAL PANEL THICKNESS <sup>(1)</sup>	FACED	EDGE NAILING	SILL ANCHORS (HEX HEAD BOLT)	TOP PL. CONNECTION A35	SHEAR CAPACITY #/FT.
A	1/2"	1	10d @ 6" O.C.	5/8" @ 2'-8" O.C.	A35 @ 16" O.C.	340

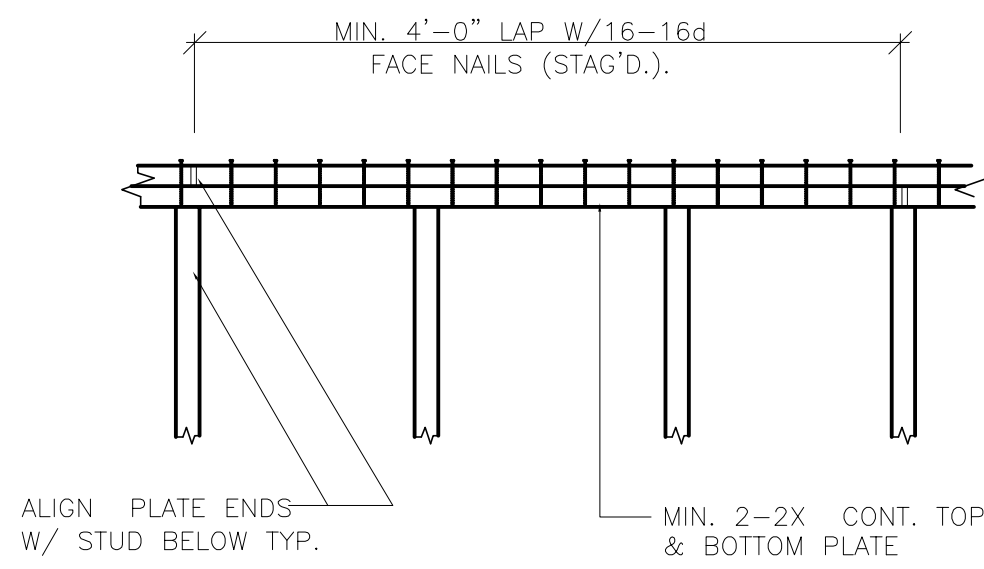
- NOTES:**
- 1 - WOOD STRUCTURAL PANELS SHALL BE 1/2 PERFORMANCE CATEGORY, APA STRUCTURAL I RATED SHEATHING, SPAN RATING 32/16, EXPOSURE 1, 3-PLY/3-LAYERS.
  - 2 - STUDS SPACING TO BE @ 16" O.C. MIN.
  - 3 - NAILS @ 2" O.C. TO BE STAGGERED.
  - 4 - ALL FIELD NAILING TO BE AT 12" O.C.
  - 5 - USE HEX HEAD BOLT WITH WASHER SILL ANCHORS. PROVIDE 7" MIN. EMBEDMENT INTO FOOTING.
  - 6 - USE COMMON NAILS ONLY. (8d = 0.131" DIA. x 2 1/2" LONG, 10d = 0.148" DIA. x 3" LONG)
  - 7 - MIN. 1/2" EDGE NAILING DISTANCE @ PANEL ENDS AND EDGES.
  - 8 - USE 3" SQ. x 1/4" WASHERS FOR SILL ANCHORS. PLATE WASHER SHALL EXTEND TO WITHIN 1/2" INCH OF THE EDGE OF THE BOTTOM PLATE ON THE SHEATHED SIDE
  - 9 - FASTENERS, INCLUDING NUTS AND WASHERS, FOR PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED, ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. COATING TYPES AND WEIGHTS FOR CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTURER RECOMMENDATIONS. IN THE ABSENCE OF MANUFACTURER'S RECOMMENDATIONS, A MINIMUM OF ASTM A653 TYPE G185 ZINC-COATED GALVANIZED STEEL, OR EQUIVALENT, SHALL BE USED.



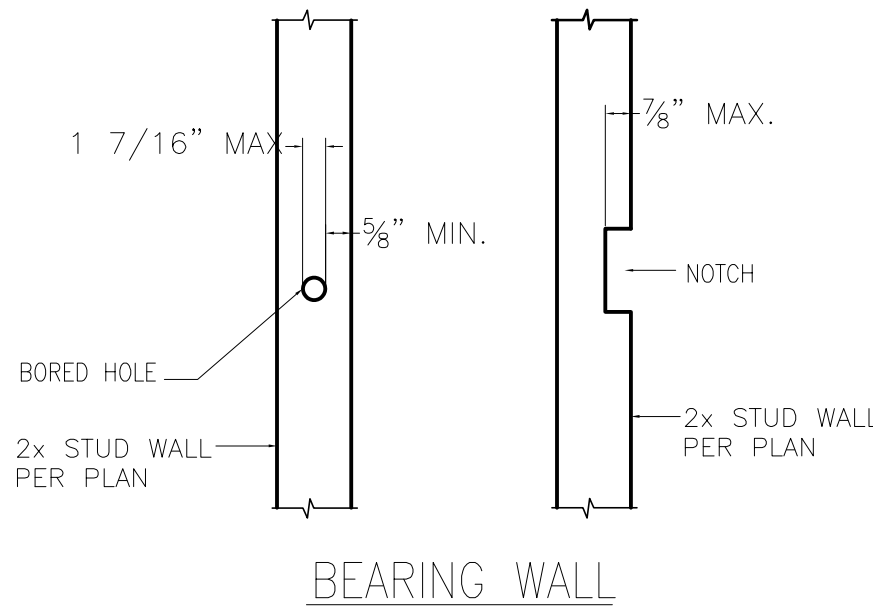
**11 SHEAR WALL SCHEDULE**



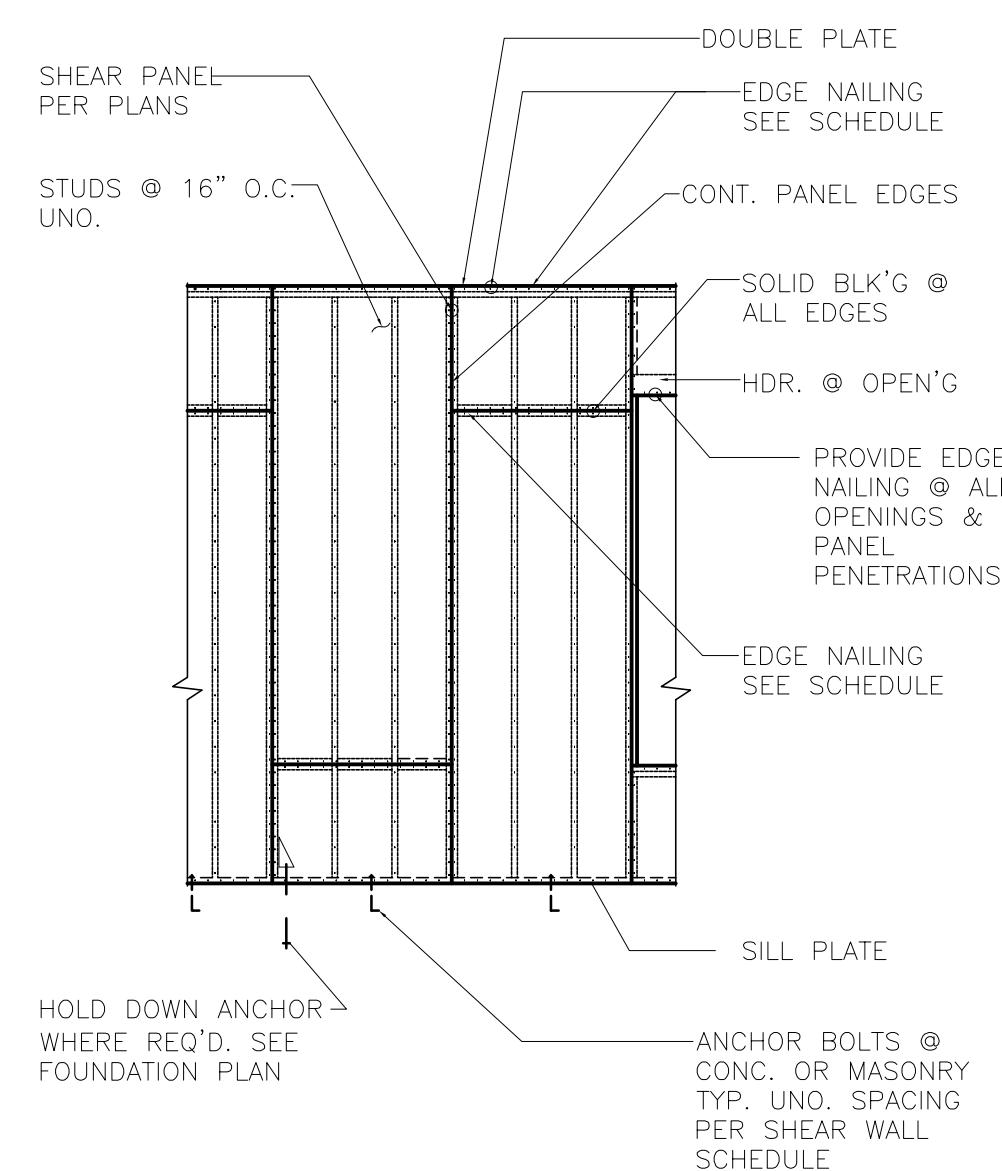
**12 HEADER FRAMING & SCHEDULE**



**6 TOP PLATE LAP SPLICE**



**7 TYPICAL STUD BORING & NOTCHING**



**8 SHEAR WALL PANEL**

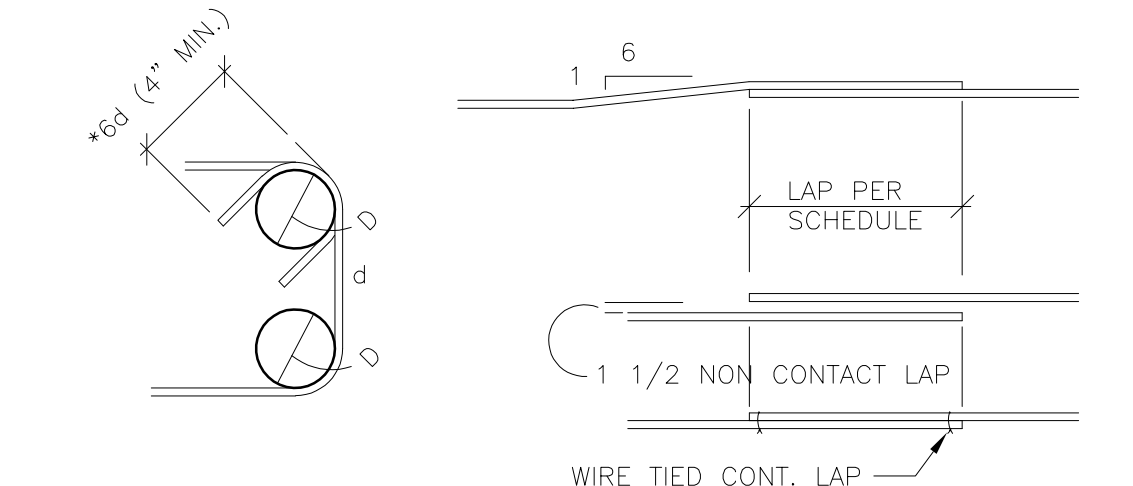
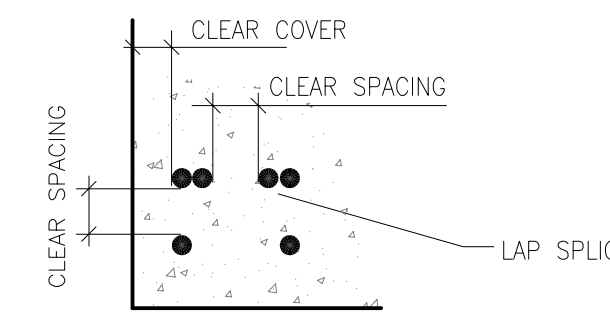
SIZE	MAX. SPAN	KING & JACK STUDS
4x6	4'	SINGLE 2x STUD
4x8	8'	SINGLE 2x STUD
4x10	10'	2-2x STUDS
4x12	12'	2-2x STUDS
PSL HEADERS	SEE PLAN	SEE PLAN

- NOTE:**
- USE 4x HEADERS AT 2x4 STUD WALL

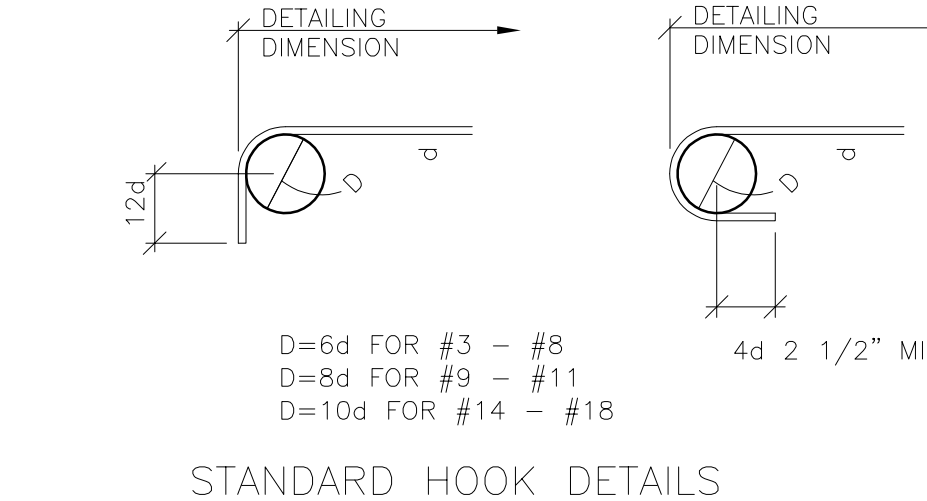
**SPLICES (STANDARD LAPS) SCHEDULE**

REBAR SPLICES IN INCHES		4	5	6	7	8	9	10	11
REBAR SIZE (GRADE 60)	REBAR DIAMETER (IN)	0.5	0.62	0.75	0.87	1.0	1.12	1.27	1.41
f'c=2,500	OTHER BAR	24	30	36	53	60	68	75	83
	TOP BAR	36	45	54	79	90	101	113	124
f'c=3,000	OTHER BAR	22	27	33	48	55	66	81	97
	TOP BAR	33	41	49	72	82	92	105	125
f'c=4,000	OTHER BAR	19	24	28	42	47	57	70	84
	TOP BAR	28	36	43	62	71	80	91	109

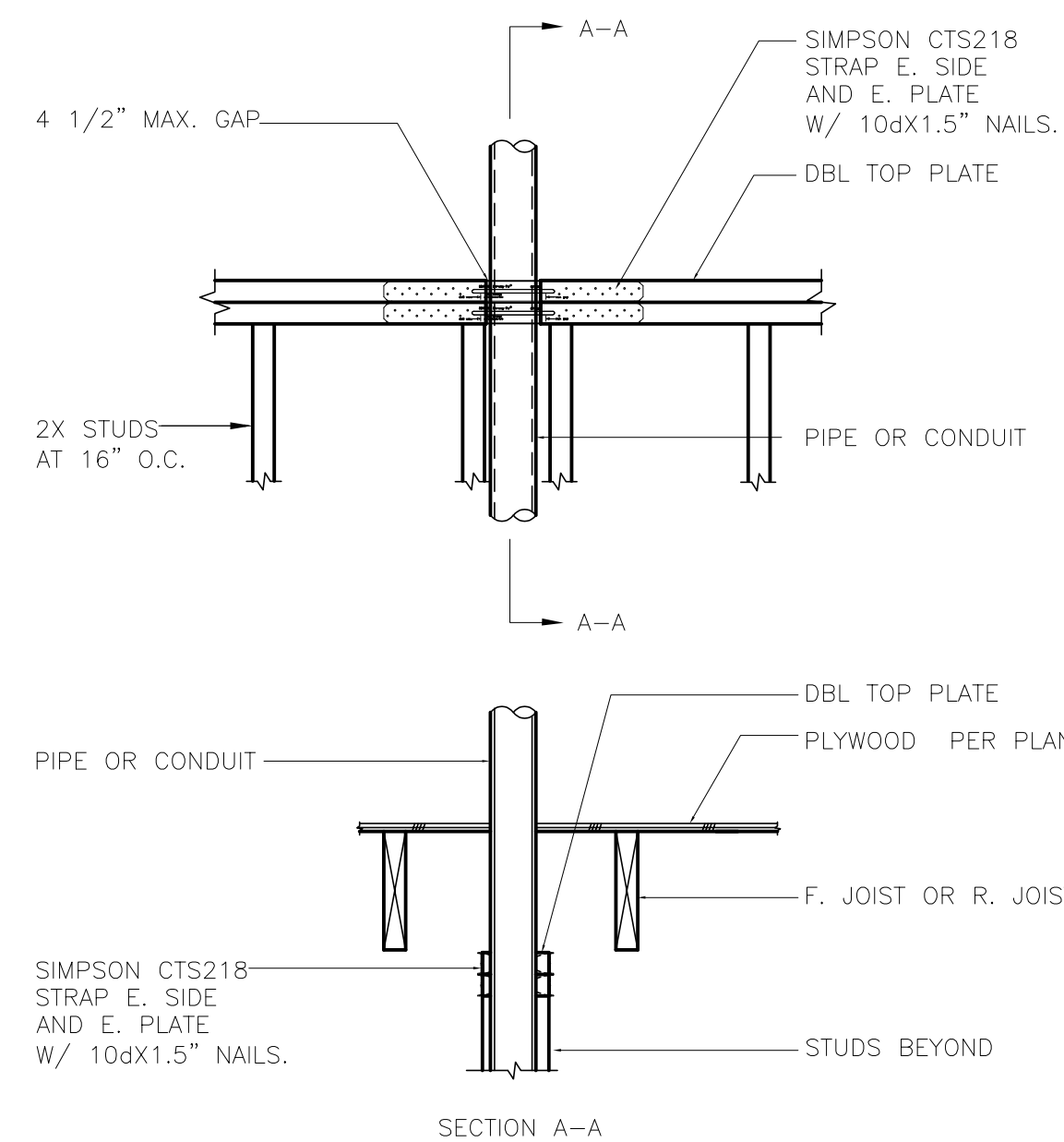
- 1- REBAR LENGTHS SHOWN IN THE SCHEDULE SHALL BE INCREASED 50% WHEN COVER IS < OR = 1 BAR DIAMETER OR CLEAR SPACING BETWEEN BARS IS LESS THAN 2 BAR DIAMETERS.
- 2- 75% OF REBAR LENGTHS SHOWN IN THE SCHEDULE MAY BE USED WHEN COVER IS > 2 BAR DIAMETERS AND CLEAR SPACING BETWEEN BARS IS GREATER THAN 3 BAR DIAMETERS.
- 3- LAP SPLICE IN MASONRY SHALL BE 40d.
- 4- REBAR LENGTHS SHOWN IN THE SCHEDULE SHALL BE INCREASED 50% WHEN USING EPOXY COATED REBARS.
- 5- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.



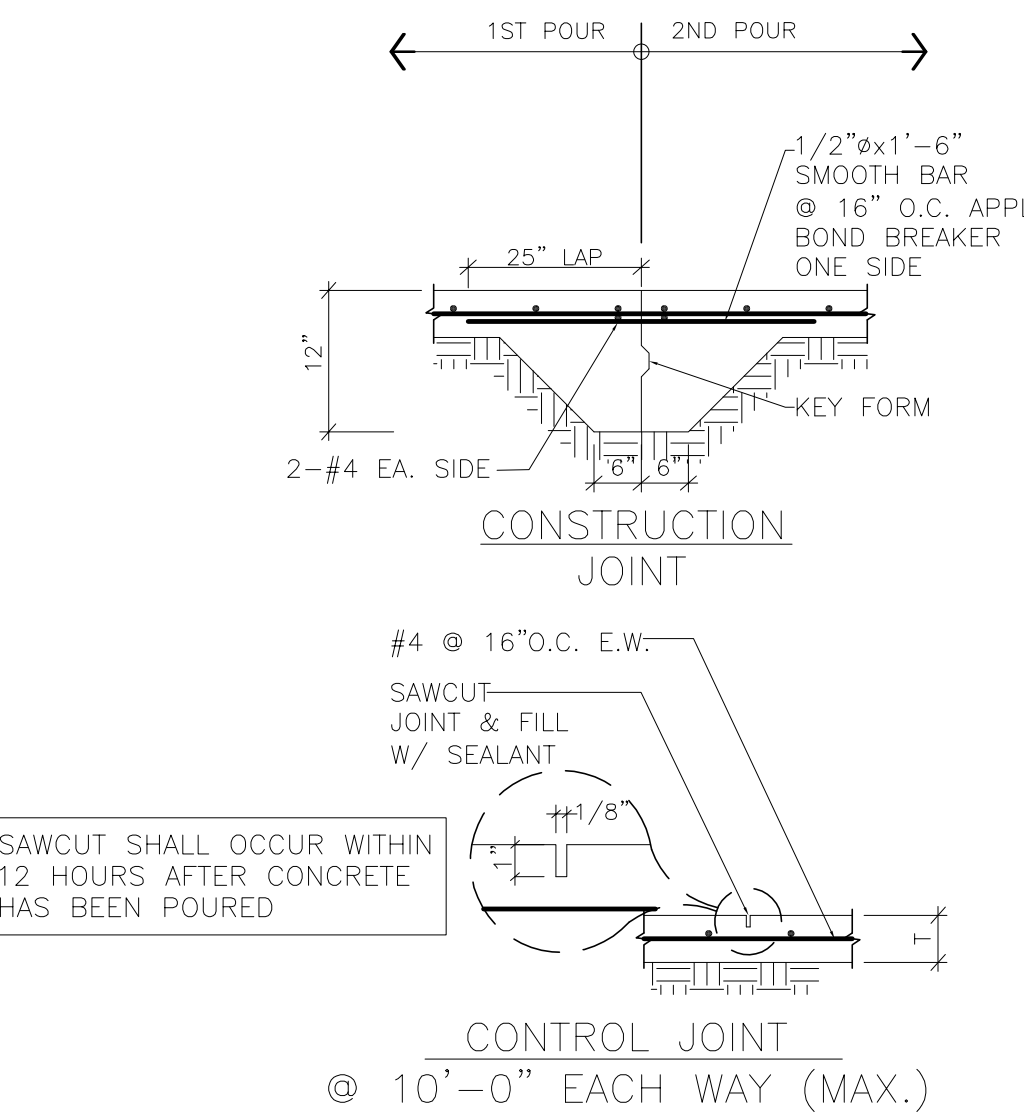
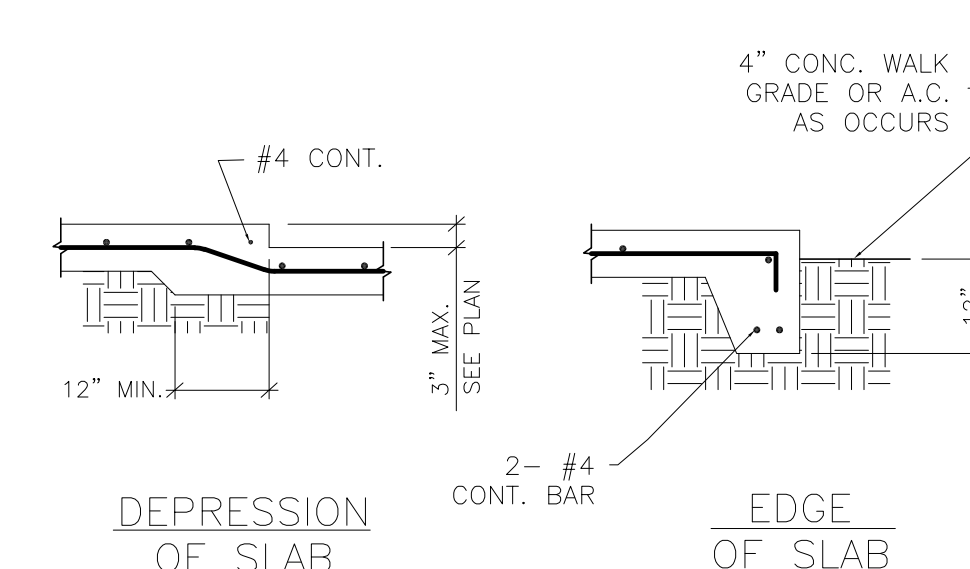
**4 REBAR PLACEMENT**



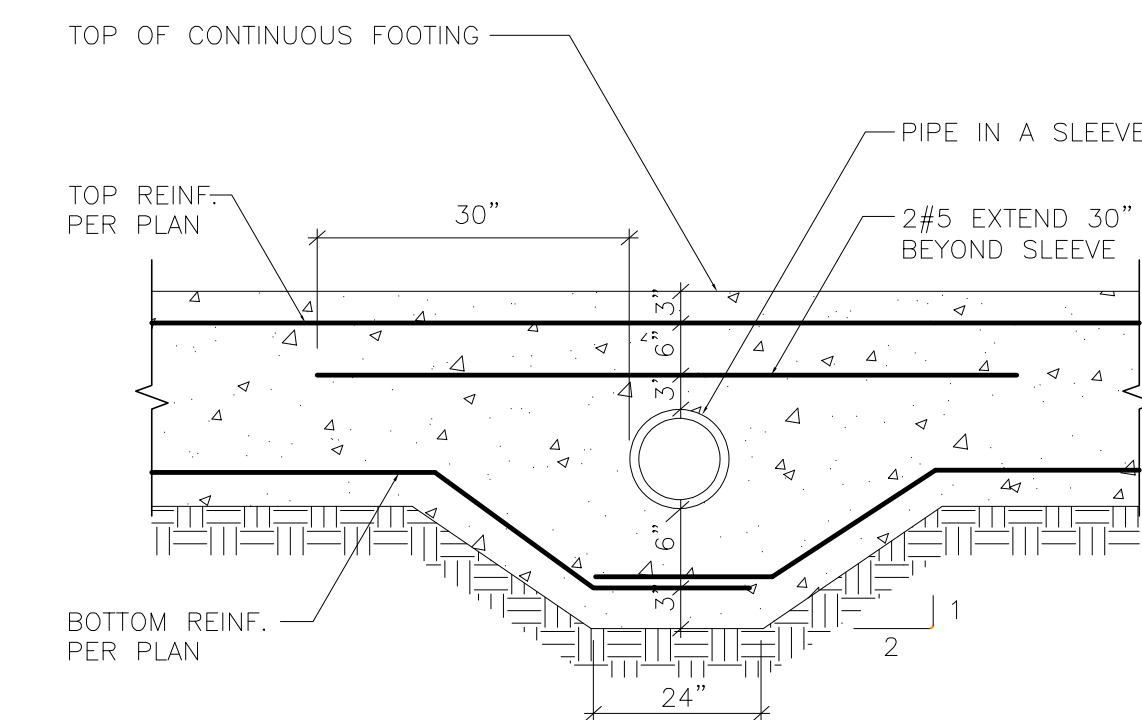
**5 PIPE AT TOP PLATE**



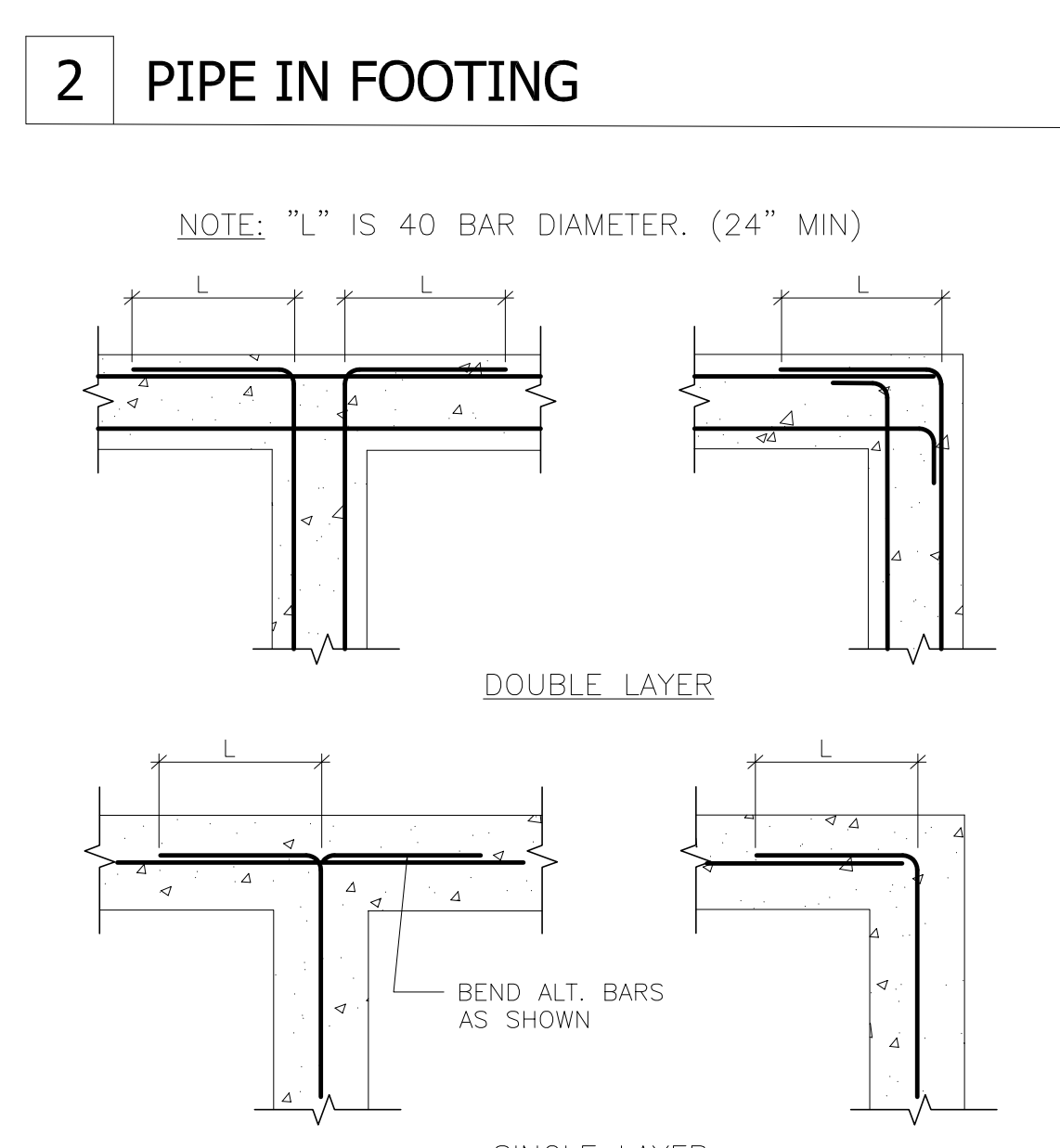
**3 FOOTING INTERSECTION**



**1 SLAB CONDITIONS**



**2 PIPE IN FOOTING**

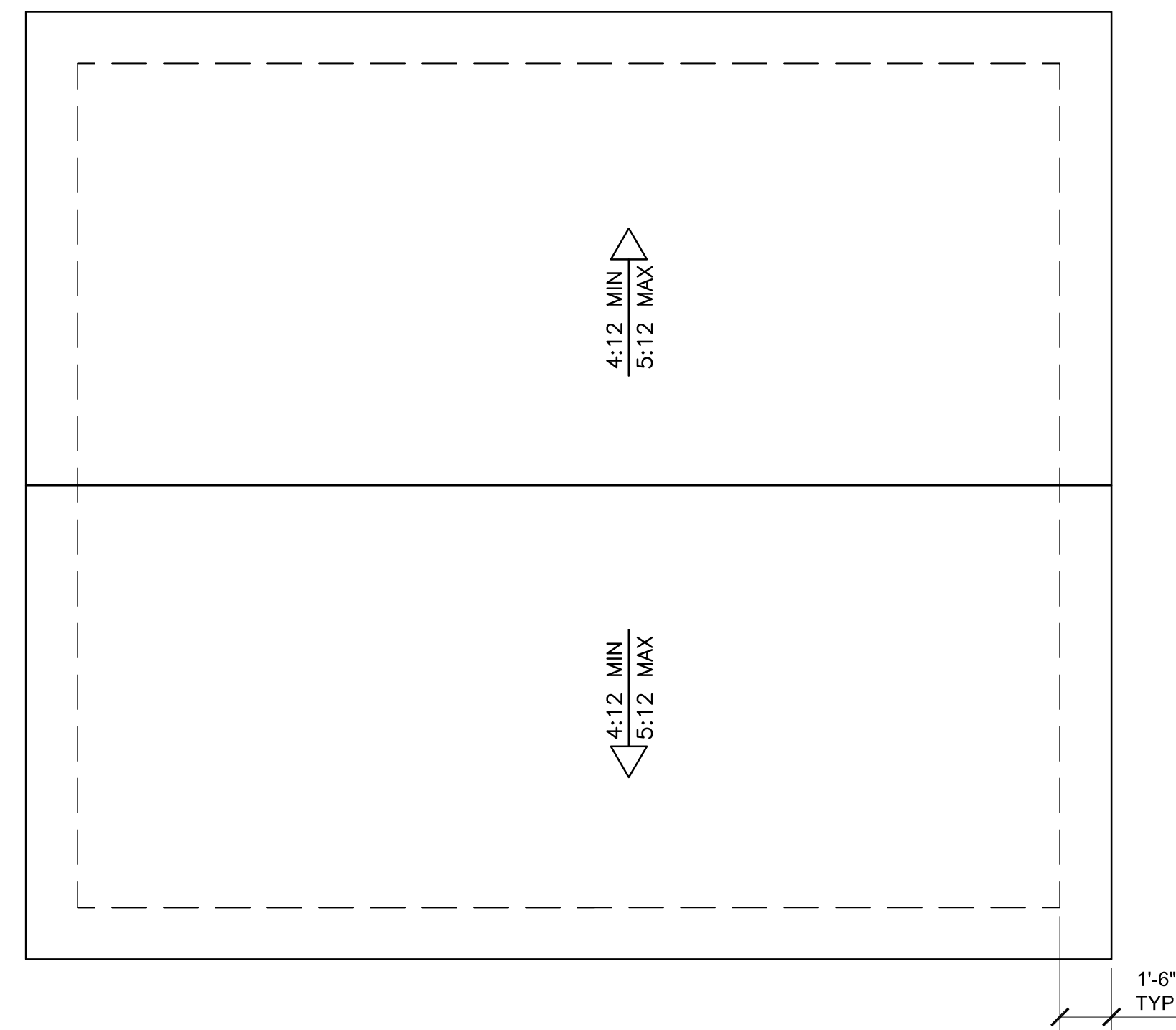


**3 FOOTING INTERSECTION**

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### ROOF NOTES

1. CLASS 'A' ASPHALT SHINGLE ROOFING (ICC-ESR 1389) OR CONCRETE TILE ROOF (6psf MAX. IAPMO 1990)
2. PROVIDE A RECTANGLE VENT AT EACH GABLE END. ADDITIONAL VENTS WILL BE REQUIRED TO MEET ROOF VENTILATION REQUIREMENTS. 700 SF/150 = 4.66 SF MIN. NET FREE VENT AREA REQUIRED.
3. WHERE USED, PROVIDE BLOCKING AROUND DORMER AND EAVE VENTS AT THE ROOF FRAMING UNDER THE ROOF DIAPHRAGM SHEATHING.
4. INSULATIONS TO BE SNUG AROUND VENT OPENINGS.
5. ATTIC VENTS SHALL BE COVERED WITH MESH FOR PROTECTION AGAINST RODENTS.
6. FOR HIGH-FIRE SEVERITY ZONE, ATTIC VENT MESH SHALL NOT BE MORE THAN 1/8", BUT NOT LESS THAN 1/16".
7. GUTTERS AND DOWNSPOUTS REQUIRED.



### ROOF PLAN

#### WINDOW AND DOOR SCHEDULE

SYMBOL	TYPE	SIZE (W x H)	OPERATION	REMARKS
(A)	WINDOW	5'-0" x 4'-0"	SLIDING	*
(B)	WINDOW	4'-0" x 3'-0"	SLIDING	*
(C)	WINDOW	3'-0" x 2'-0"	SLIDING	*
(1)	DOOR	3'-0" x 6'-8"		HI/LO LOUVERS
(2)	DOOR	2'-0" x 6'-8"		**
(3)	DOOR	2'-10" x 6'-8"		**

- \* USE DUAL TEMPERED GLAZING IN HIGH FIRE HAZARD AREAS
- \*\* REQUIRED WIDTH BASED ON CRC R327.1 "AGING IN PLACE"

FENESTRATION VALUES

CLIMATE ZONE 6:	U-FACTOR = 0.30	SHGC = 0.23
CLIMATE ZONE 9:	U-FACTOR = 0.25	SHGC = 0.15
CLIMATE ZONE 16:	U-FACTOR = 0.25	SHGC = 0.40

#### ALL-ELECTRIC RESIDENTIAL BUILDING

VCBC SECTION 4.509 AMENDMENT TO THE CA GREEN BUILDINGS STANDARDS CODE "REDUCTION OF GREEN HOUSE GASES":

ALL NEWLY CONSTRUCTED DWELLINGS SHALL BE ALL-ELECTRIC BUILDINGS HAVING NO NATURAL GAS BURNING APPLIANCES OR EQUIPMENT. EXCEPTIONS INCLUDE THE FOLLOWING ITEMS: FIREPLACES, FIRE PITS, OUTDOOR COOKING GRILLS AND BARBECUES, POOLS AND SPAS, AND STANDBY GENERATORS.

#### MECHANICAL AND PLUMBING NOTES

INDOOR FAN-COIL AND OUTDOOR CONDENSER DUCTLESS HEAT-PUMP TO BE LOCATED AND CALLED OUT ON THE FLOOR PLAN.

A 1-TON, CODE MINIMUM EFFICIENCY SPECIFICATION WAS USED FOR ALL UNITS.

\*ALTERATIONS IN QUANTITY OR TONNAGE REQUIRED A REVISED PERFORMANCE T24\*.

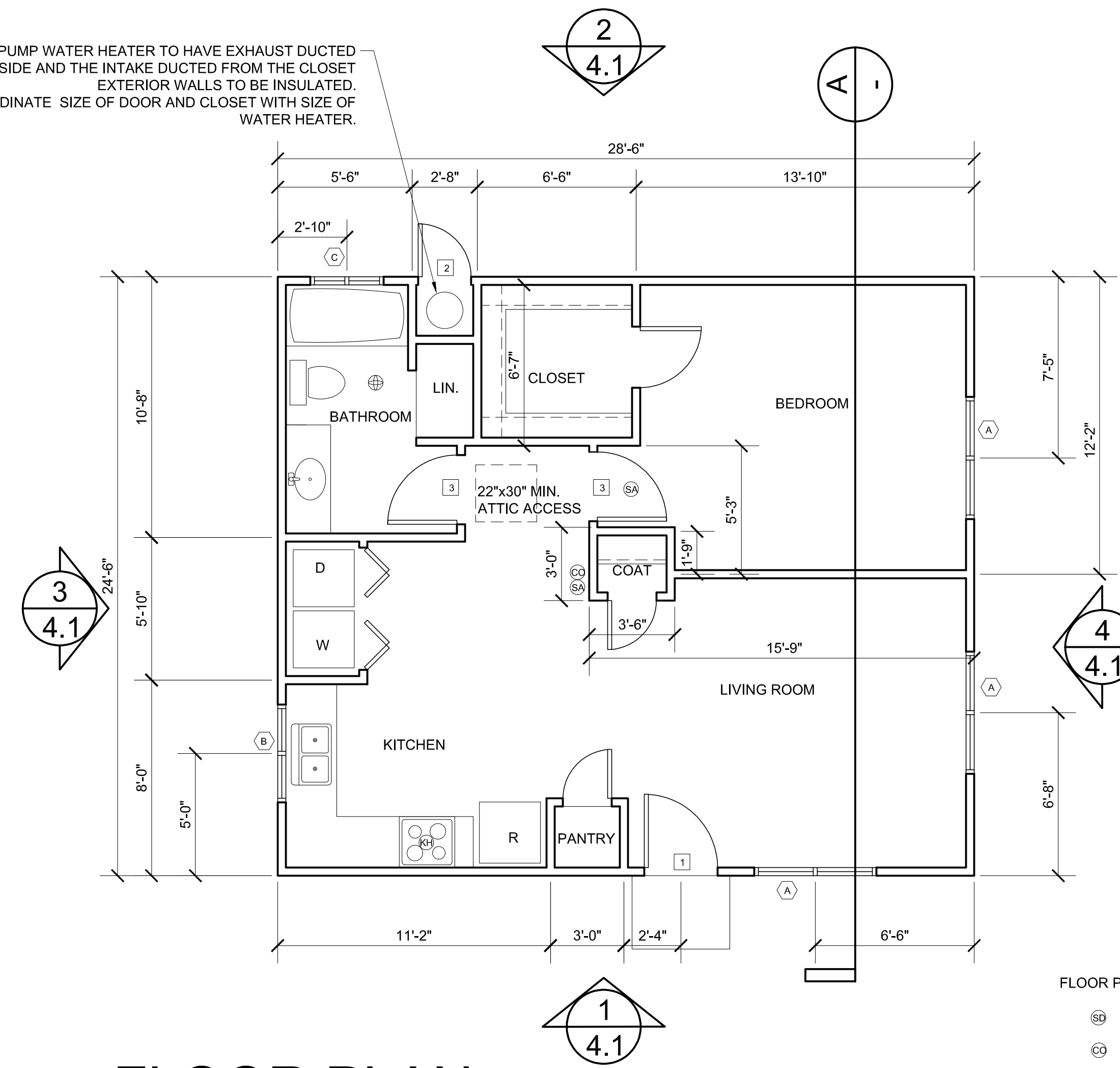
VARIABLE CAPACITY HEAT PUMP COMPLIANCE OPTION TAKEN, VERIFIED PER VOHP STAFF REPORT, APPENDIX B, AND RA3.

NEEA RATED HEAT PUMP WATER HEATER TO BE LOCATED INSIDE THE CONDITIONED ENVELOPE.

ALL HOT WATER PIPES TO BE INSULATED (HERS).

SEE ENERGY FORMS FOR EQUIPMENT SIZING.

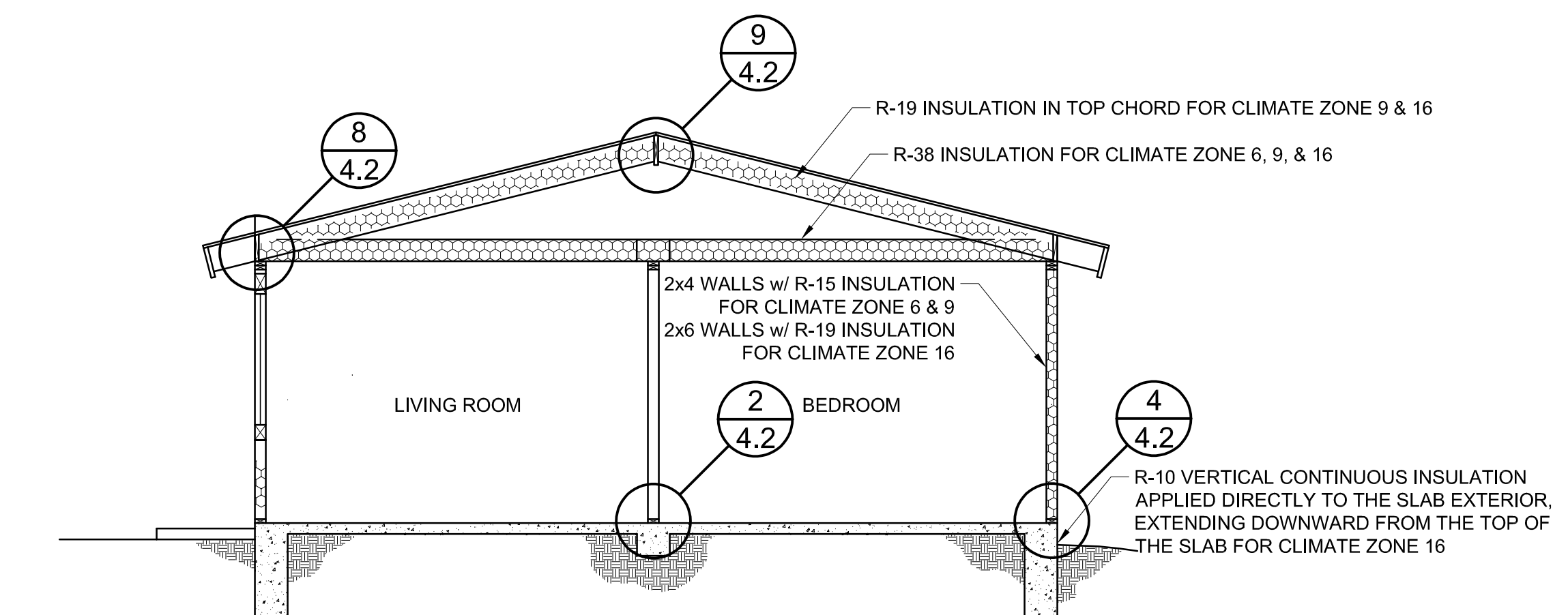
HEAT PUMP WATER HEATER TO HAVE EXHAUST DUCTED OUTSIDE AND THE INTAKE DUCTED FROM THE CLOSET EXTERIOR WALLS TO BE INSULATED. COORDINATE SIZE OF DOOR AND CLOSET WITH SIZE OF WATER HEATER.



### FLOOR PLAN

#### FLOOR PLAN LEGEND:

- (SA) SMOKE ALARM
- (CA) CARBON MONOXIDE ALARM
- (BF) BATHROOM FAN
- (WH) WHOLE HOUSE FAN
- (KE) KITCHEN EXHAUST FAN
- (W) WINDOW
- (1) DOOR



### SECTION A

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## STANDARD PLAN FOR ACCESSORY DWELLING UNIT FARMWORKER DWELLING

COUNTY APPROVAL

SHEET TITLE

700 SF  
DWELLING

DATE: 04/20/2023

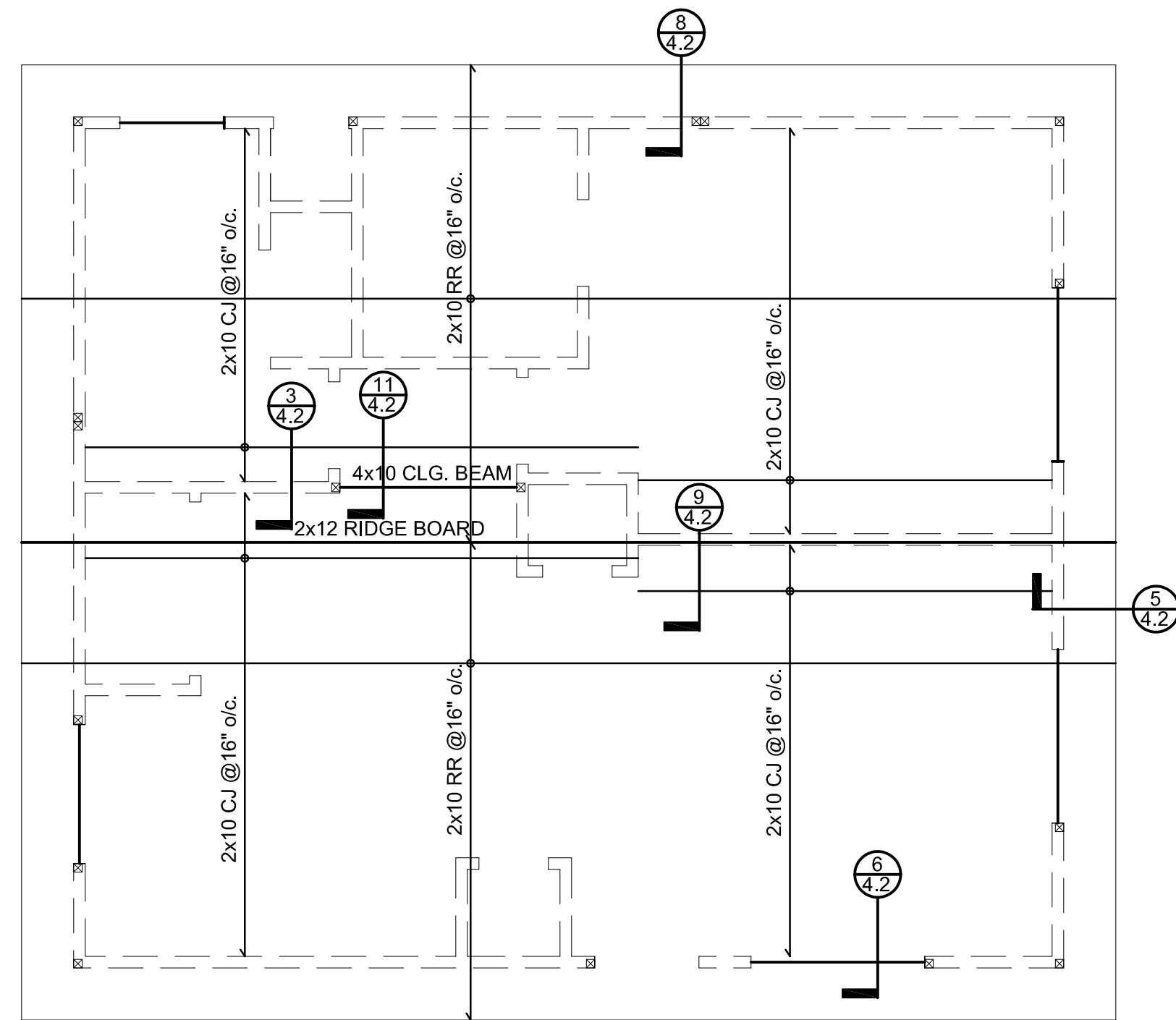
SCALE: 1/4" = 1'-0"

DRAWN BY: COUNTY OF VENTURA

APPLICABLE CODE: 2022 VCBC & CRC

SHEET NO.

2.1



## ROOF FRAMING PLAN

### ROOF SHEATHING

ROOF: 15 /32" PERFORMANCE CATEGORY, APA STRUCTURAL I RATED SHEATHING, 40/20, EXPOSURE 1.

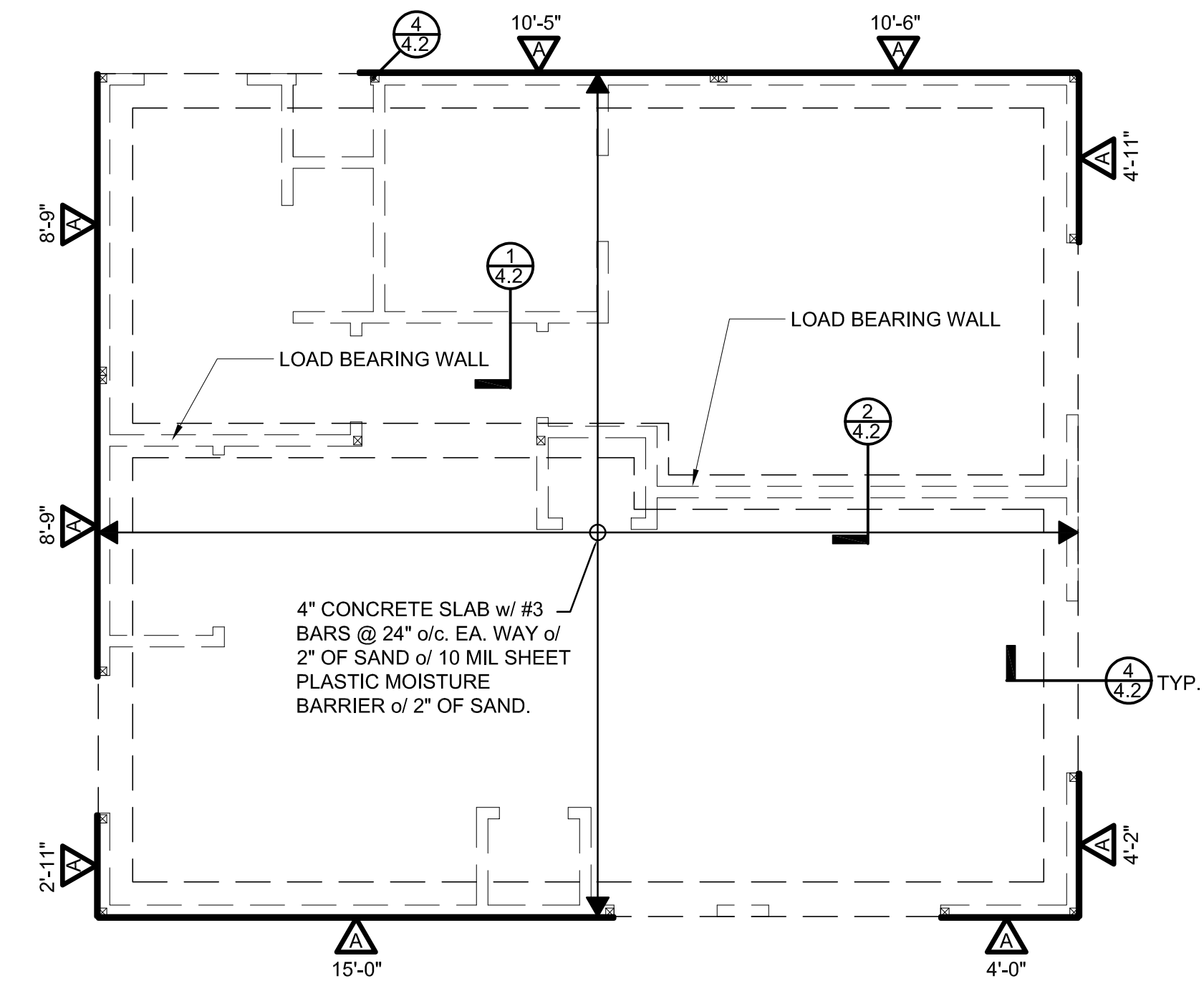
NAILING: 10d @ 6" o.c. @ BOUNDARIES AND SUPPORTED EDGES, 12" o.c. FIELD. UNBLOCKED. ALL NAILS ARE COMMON.

### LEGEND

- POST (4x6 U.N.O.)
- 2-2x STUDS
- 2x4@16" o/c WALL
- 2x6@16" o/c AT PLUMBING WALLS
- ▽ SHEAR WALL (SHT'G PER SCHEDULE)
- ROOF RAFTERS PER PLAN
- CEILING JOISTS PER PLAN

### NOTES

1. FOR SHEAR WALL SCHEDULE SEE 1/1.2
2. FOR HEADERS FRAMING AND SCHEDULE SEE 8/1.2 (U.N.O.).
3. NEW EXTERIOR WALLS SHALL BE SHEATHED WITH 15/32" PLYWOOD AND NAILED W/ 10d @ 6", 12". (U.N.O.)
4. HOLD-DOWNS SHALL BE RE-TIGHTENED PRIOR TO COVERING THE WALL FRAMING.
5. MANUFACTURED ROOF TRUSSES ARE ALLOWED IN LIEU OF FRAMING SHOWN. SUBMIT TRUSS PLAN AND CALCULATIONS FOR REVIEW BY BUILDING AND SAFETY.



## FOUNDATION PLAN

### LEGEND

- POST (4x6 U.N.O.)
- 2-2x STUDS
- 2x4@16" o/c WALL
- 2x6@16" o/c AT PLUMBING WALLS
- ▽ SHEAR WALL (SHT'G PER SCHEDULE)

### NOTE:

SOILS INVESTIGATION REPORT IS OPTIONAL. IF THE SOILS INVESTIGATION REPORT IS USED, THE RECOMMENDATIONS OF THE SOILS INVESTIGATION REPORT SHALL BE FOLLOWED AND ARE PART OF THIS PLAN.

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## STANDARD PLAN FOR ACCESSORY DWELLING UNIT FARMWORKER DWELLING



COUNTY APPROVAL

SHEET TITLE  
**700 SF  
DWELLING**

DATE: 04/20/2023

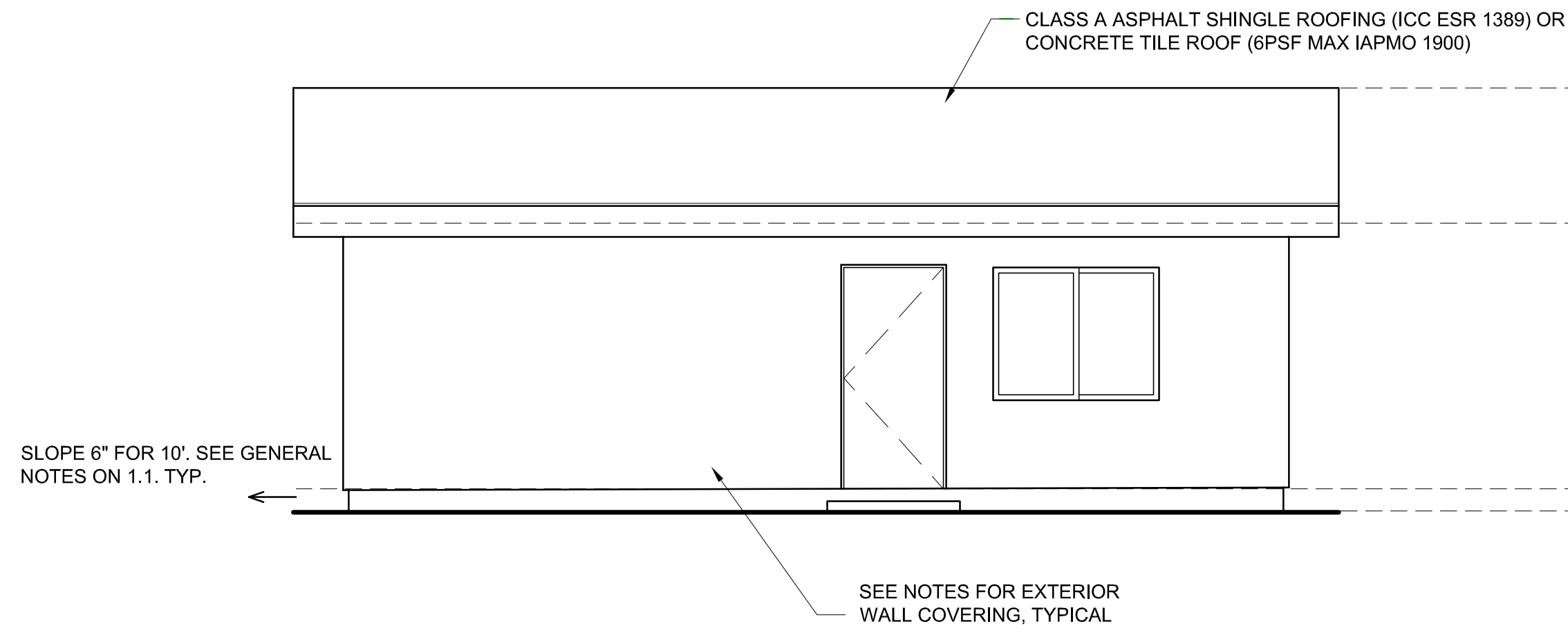
SCALE: 1/4" = 1'-0"

DRAWN BY: COUNTY OF VENTURA

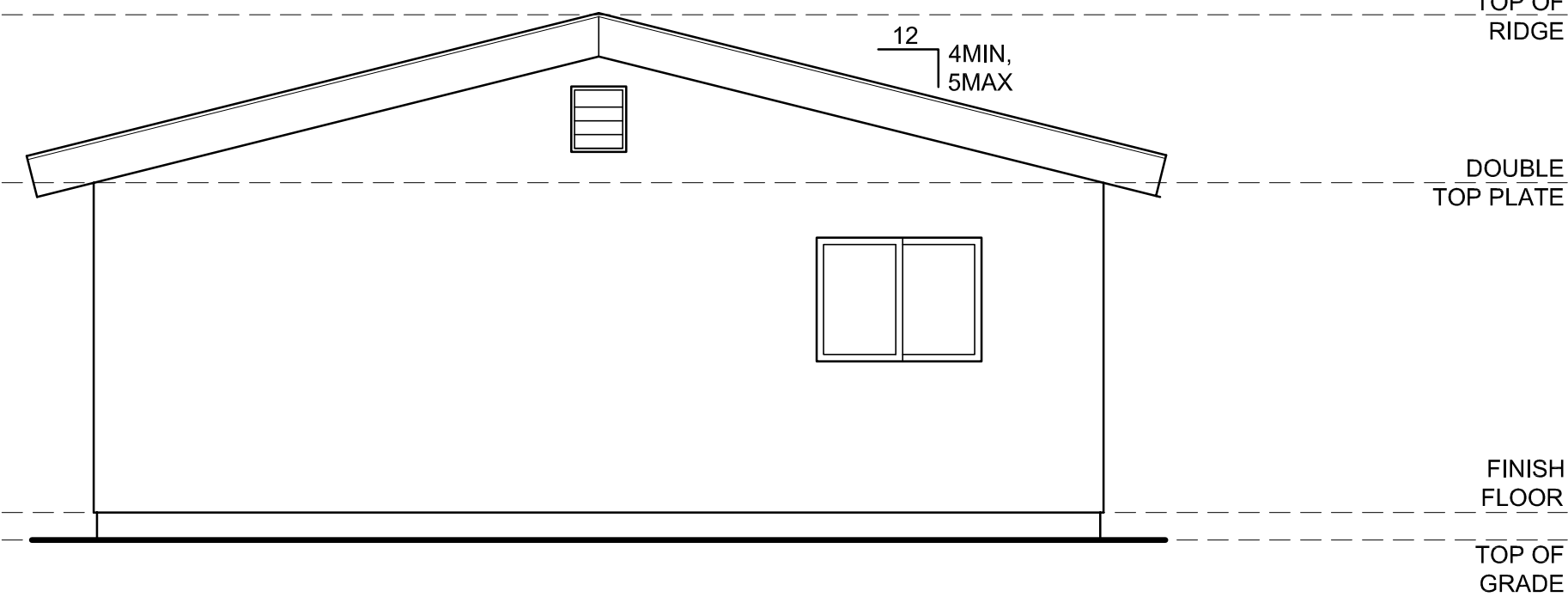
APPLICABLE CODE: 2022 VCBC & CRC

SHEET NO.

**3.1**



ELEVATION 1



ELEVATION 3

**EXTERIOR WALL COVERING**

**NO HIGH FIRE SEVERITY ZONE**

**OPTION 1:**

7/8" CEMENT PLASTER (MEASURED FROM THE FACE OF THE STUDS), PLASTER MIX 1:4 FOR SCRATCH COAT AND 1:5 FOR BROWN COAT, BY VOLUME, CEMENT TO SAND.

**OPTION 2:**

SIDING APPLIED OVER STUDS.

**HIGH FIRE SEVERITY ZONE**

**OPTION 1:**

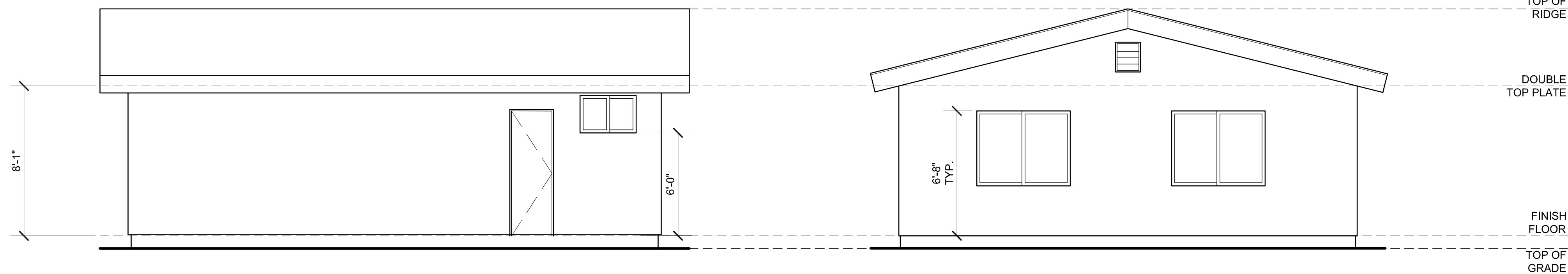
7/8" CEMENT PLASTER (MEASURED FROM THE FACE OF THE STUDS), PLASTER MIX 1:4 FOR SCRATCH COAT AND 1:5 FOR BROWN COAT, BY VOLUME, CEMENT TO SAND.

**OPTION 2:**

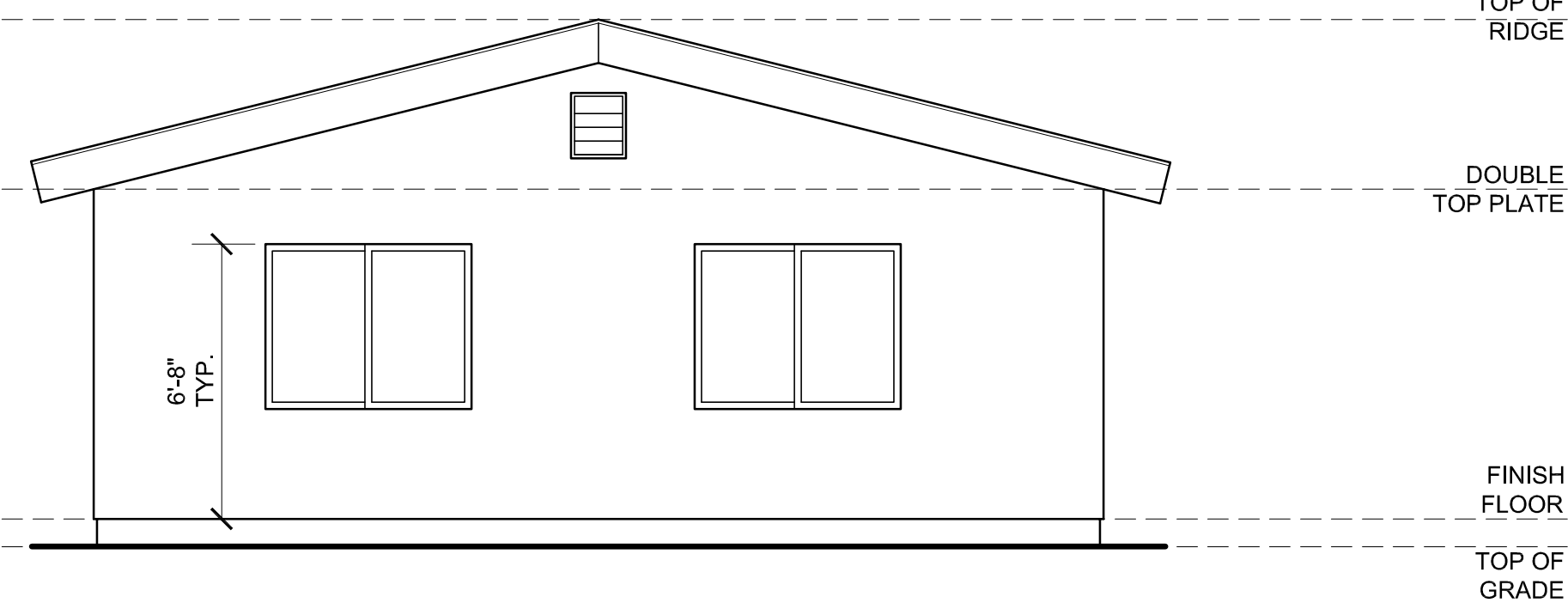
HARDIE SIDING (ICC ESR-1844)

**OPTION 3:**

SIDING OVER ONE LAYER OF 5/8" TYPE X GYPSUM SHEATHING APPLIED OVER STUDS.



ELEVATION 2



ELEVATION 4

By using these standard plans, the user agrees to release, waive and hold harmless, the County of Ventura, and its building official, officers, employees, agents, representatives and assigns, from all future claims, liabilities, suits and demands for any injury, disability, death, property damage or economic loss resulting from the use of these plans. The use of these standard plans does not eliminate or reduce the user's responsibility to verify the accuracy of all information contained on these plans.

STANDARD PLAN FOR  
ACCESSORY DWELLING UNIT  
FARMWORKER DWELLING

COUNTY APPROVAL

SHEET TITLE  
**700 SF DWELLING**

DATE: 04/20/2023

SCALE: 1/4" = 1'-0"

DRAWN BY: COUNTY OF VENTURA

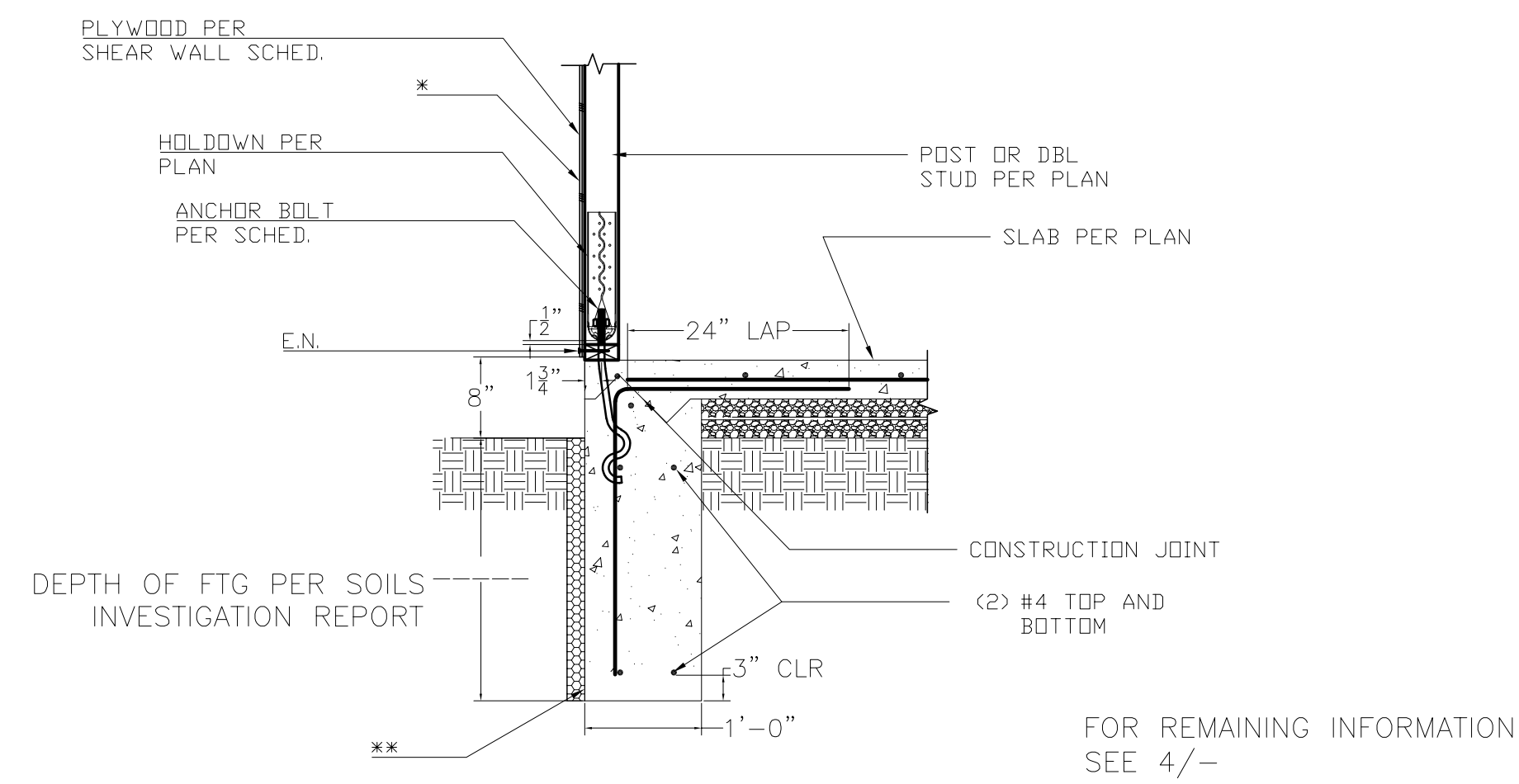
APPLICABLE CODE: 2022 VCBC & CRC

SHEET NO.

**4.1**

HOLD-DOWN SCHEDULE			
HOLD-DOWN MARK	ANCHOR BOLT DIA.	MIN. EMBED. de	FASTENER TO WD. MEMBER
HDU2-SDS2.5	5/8"	12 5/8"	6-SDS 1/4"x2.5"

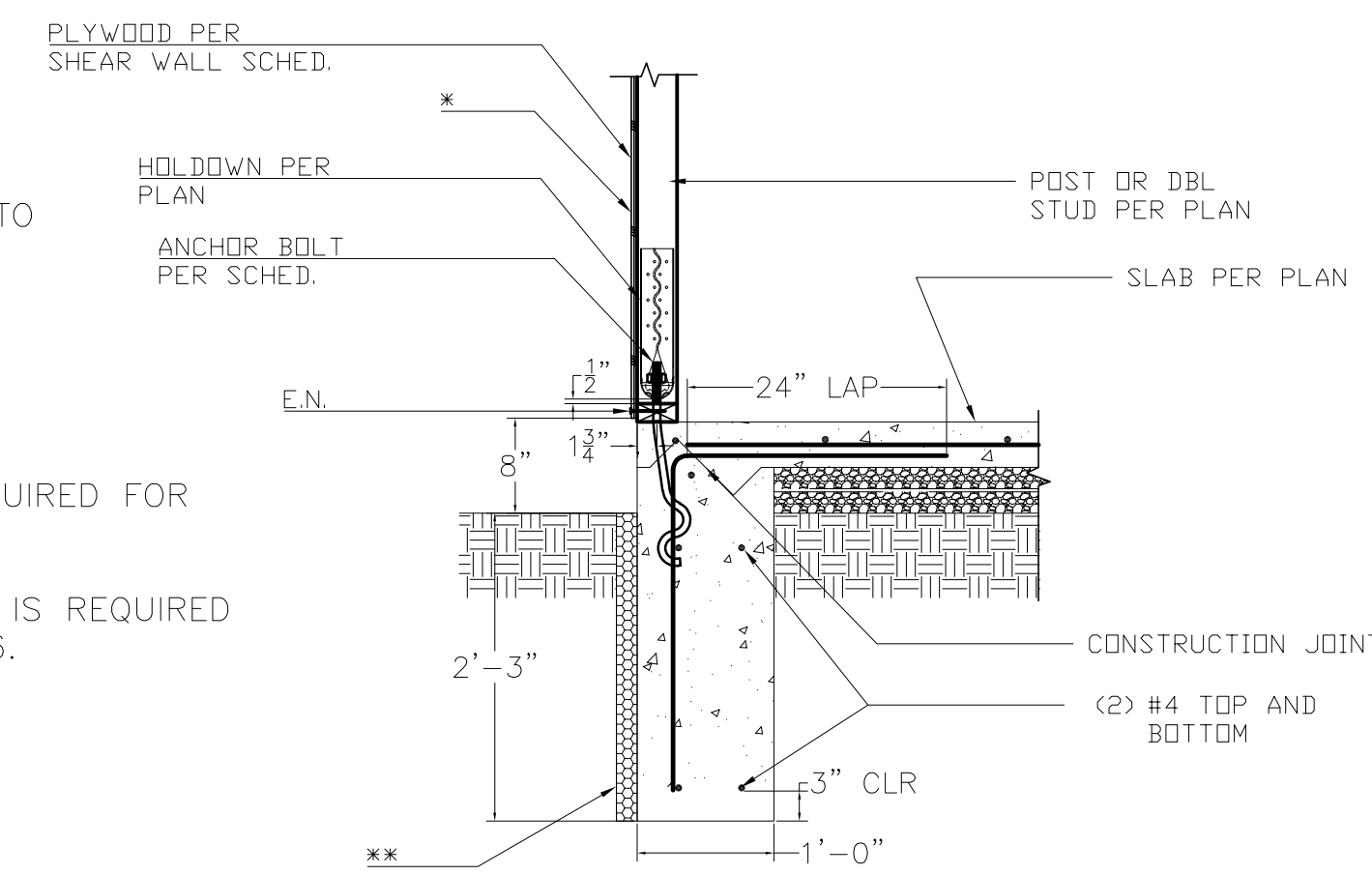
NOTES:  
 -SIMPSON HDU HOLD-DOWN ICC ESR #2330.  
 -SIMPSON SSTB ANCHOR BOLTS ICC ESR #2611.



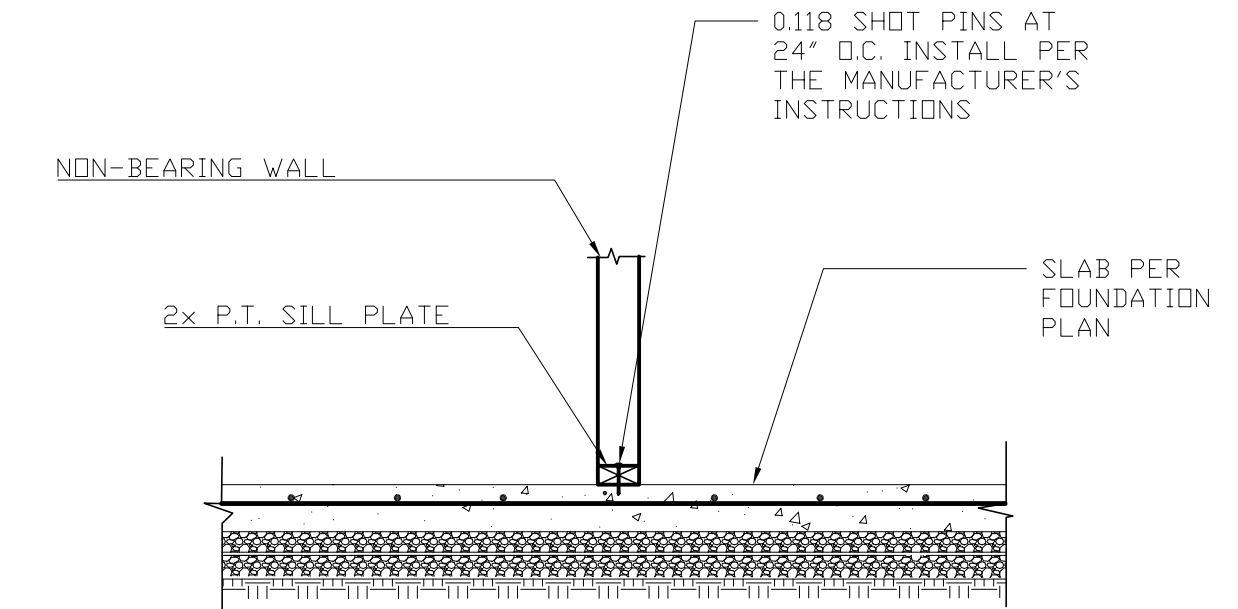
10 TYP. HOLD-DOWN DETAIL FOR 1,188 SQ.FT UNIT

NOTE:  
 THIS DETAIL APPLIES ONLY TO THE 700FT<sup>2</sup> AND 900FT<sup>2</sup> UNITS. FOR 1,188 FT<sup>2</sup> UNIT PLEASE REFER TO DETAIL 10/-

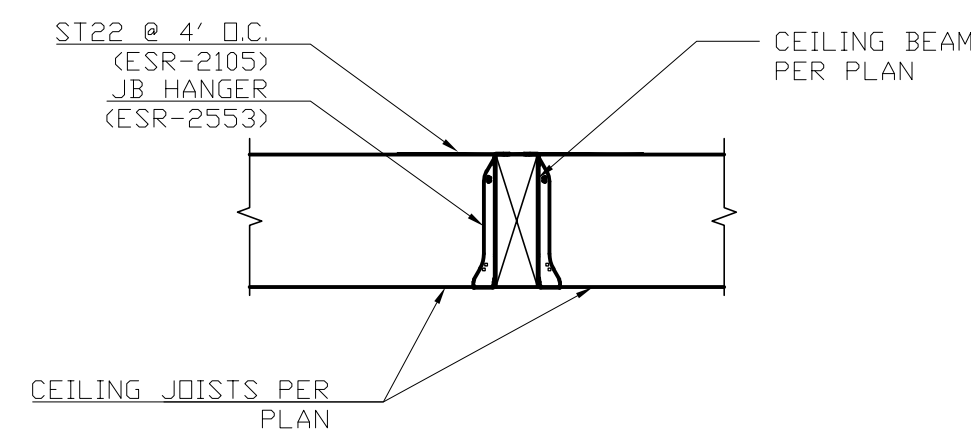
- \* VAPOR BARRIER IS REQUIRED FOR CLIMATE ZONE 16
- \*\* SLAB EDGE INSULATION IS REQUIRED FOR CLIMATE ZONES 16.



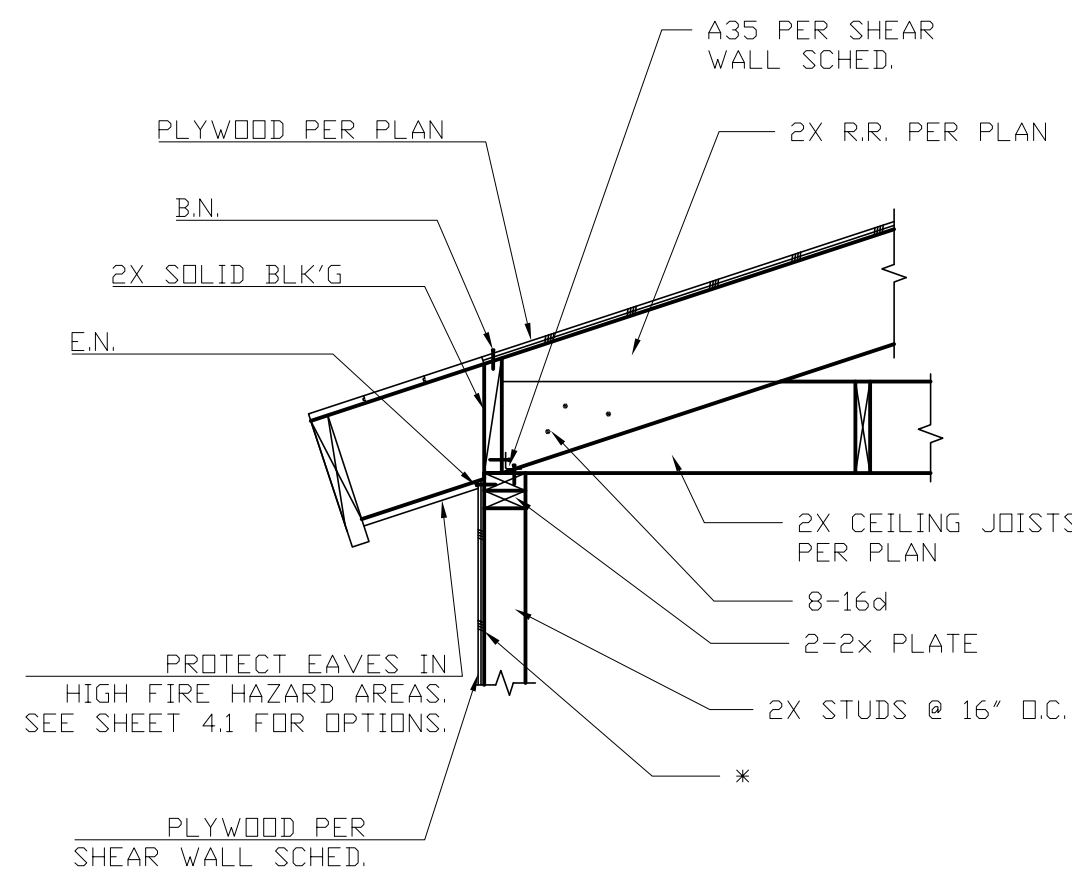
4 TYP. HOLD-DOWN DETAIL FOR 700 SQ.FT AND 900 SQ.FT UNITS



1 NON BEARING WALL DETAIL

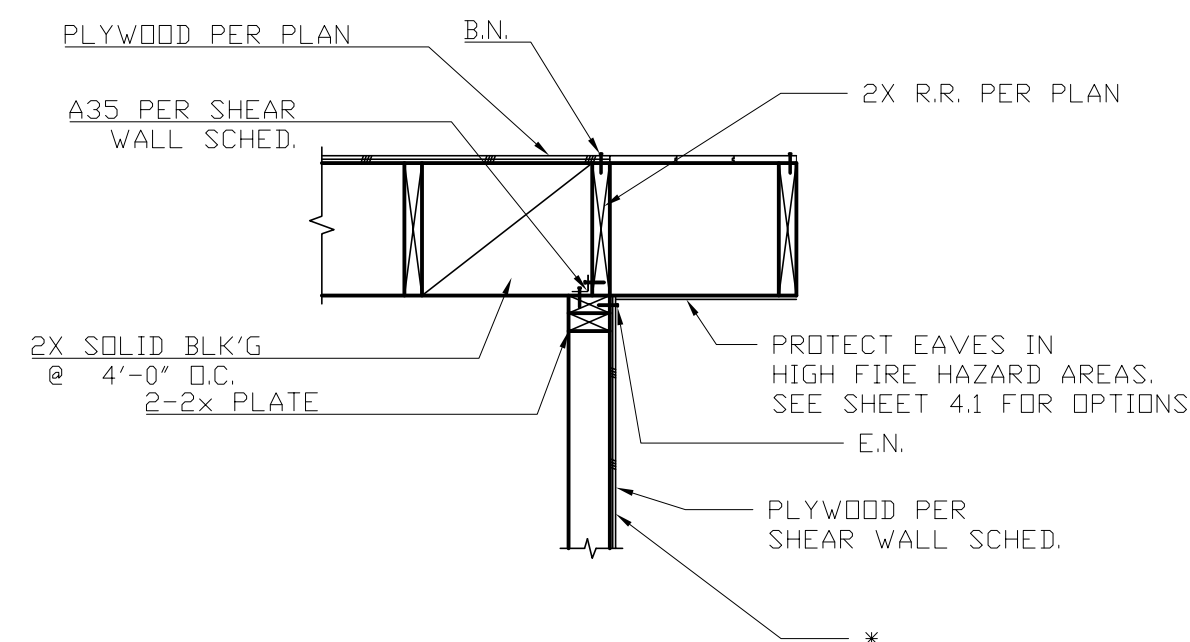


11 JOIST AND BEAM CONN. DETAIL



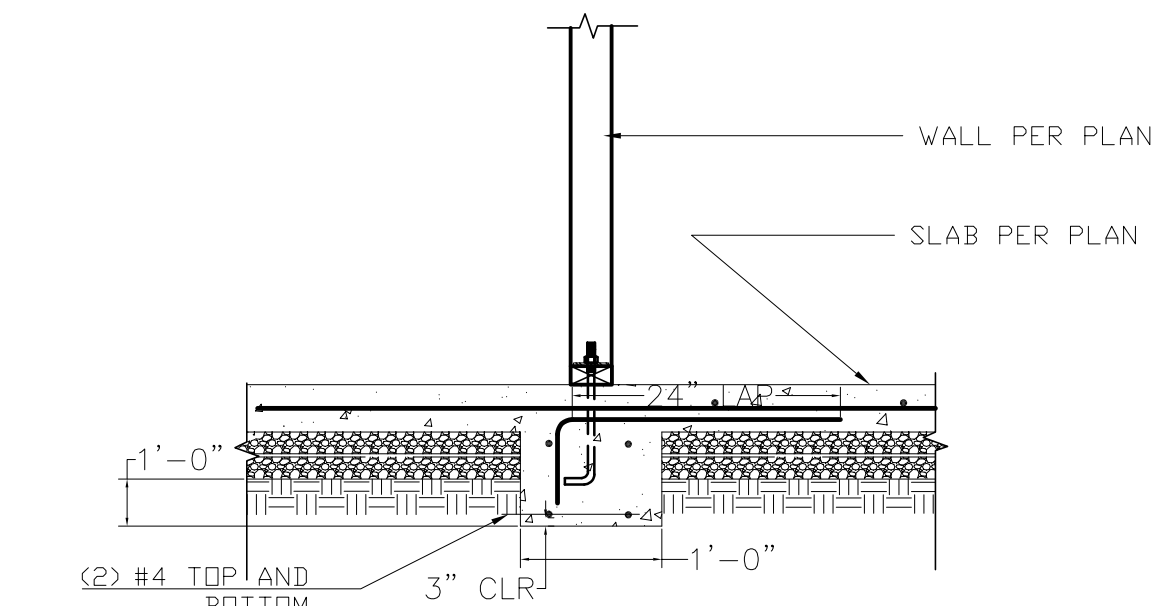
- \* VAPOR BARRIER IS REQUIRED FOR CLIMATE ZONES 16

8 EXT. WALL CONN. DETAIL

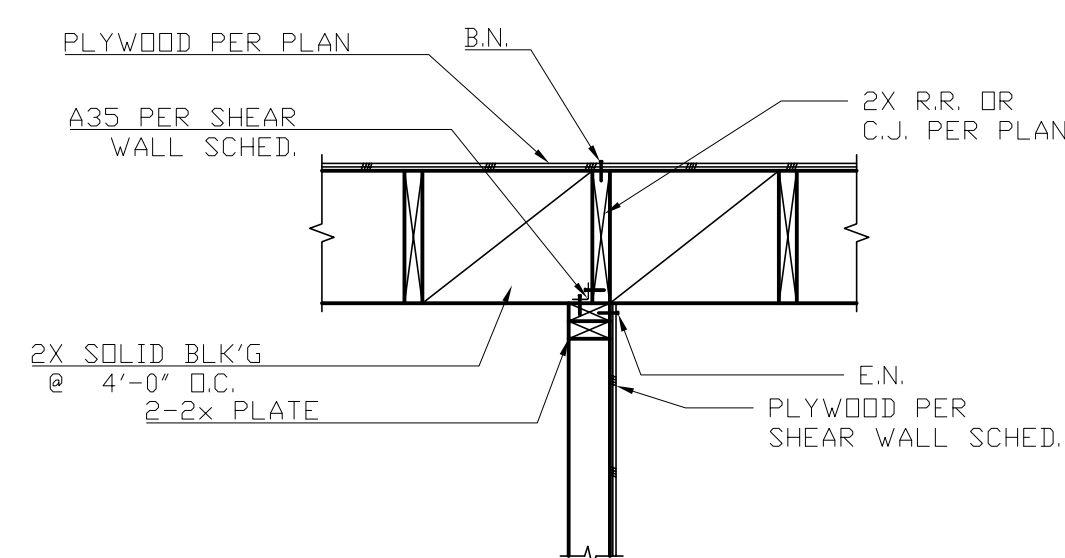


- \* VAPOR BARRIER IS REQUIRED FOR CLIMATE ZONES 16

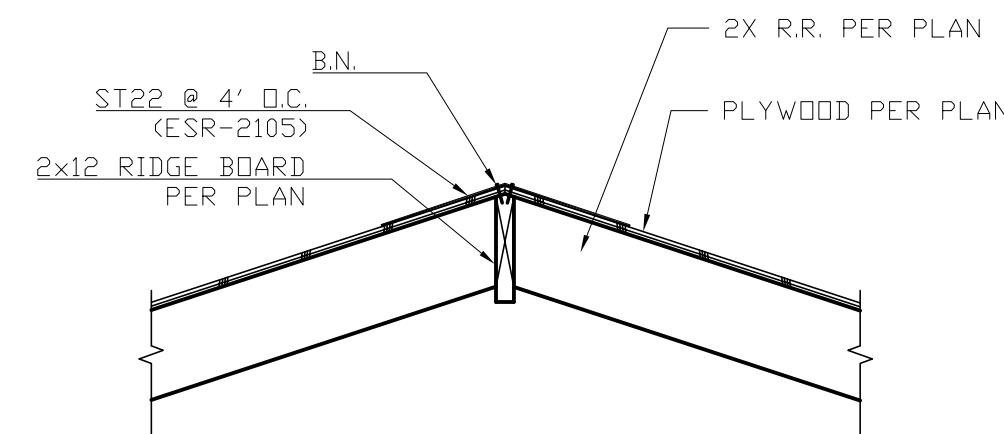
5 EXT. WALL CONN. AT GABLE END DETAIL



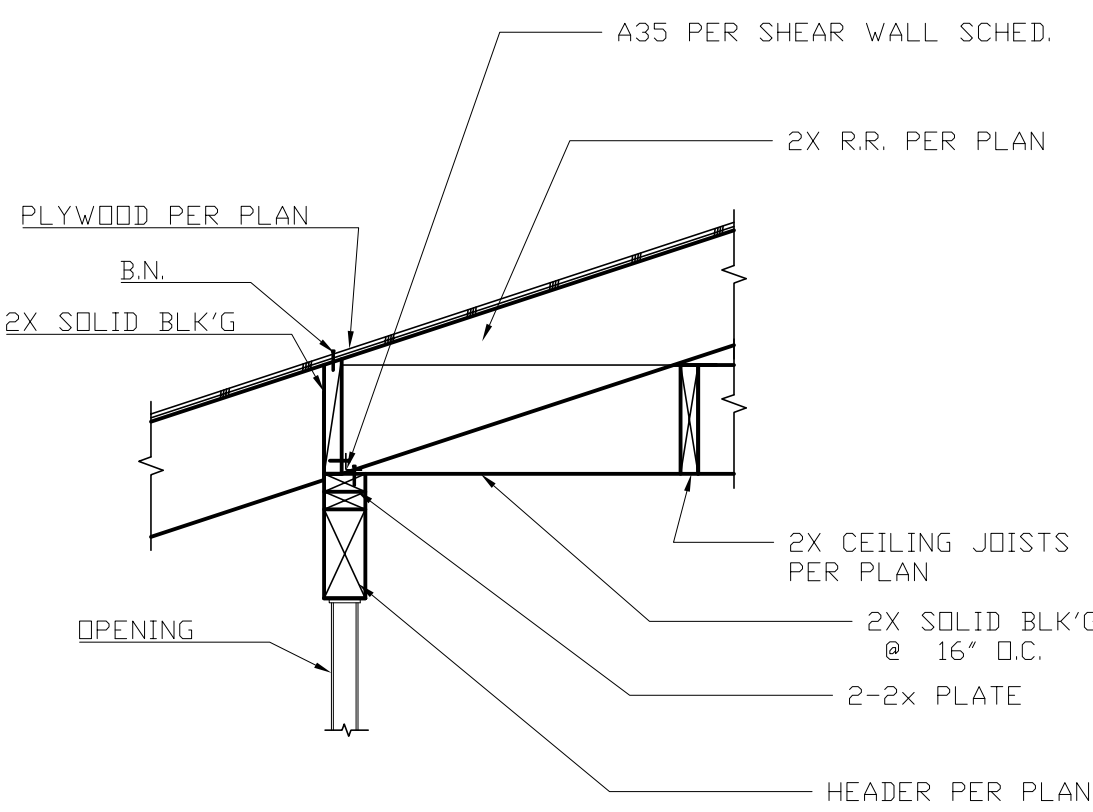
2 BEARING WALL FOUNDATION



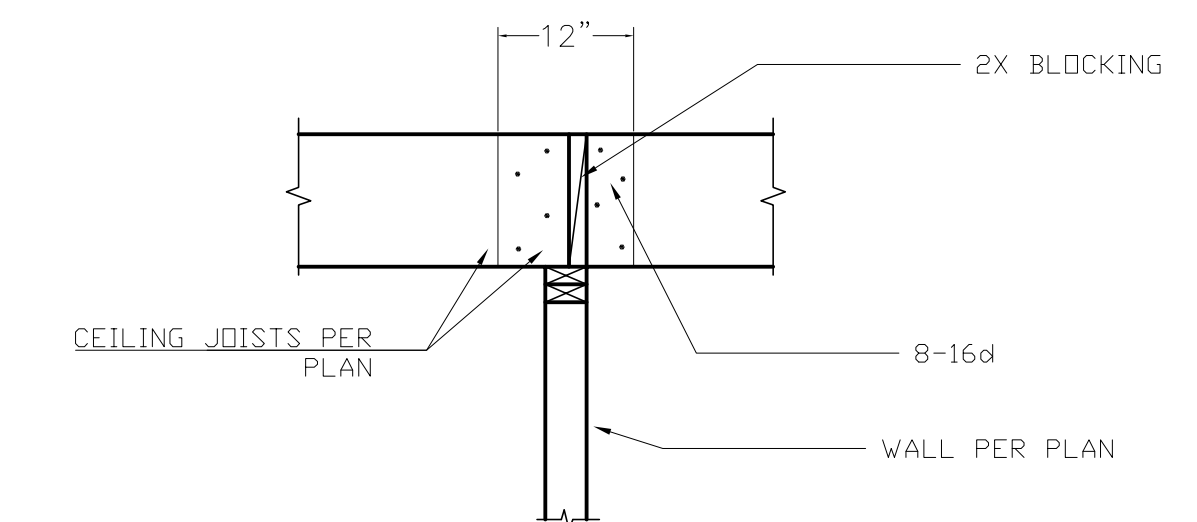
12 INT. WALL CONN. DETAIL



9 RIDGE DETAIL



6 HDR AT EXT. WALL DETAIL



3 CEILING JOIST SPLICE DETAIL

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RESOURCE MANAGEMENT AGENCY  
**RUBEN BARRERA**  
 Building and Safety Director



**STANDARD PLAN FOR  
 ACCESSORY DWELLING UNIT  
 FARMWORKER DWELLING**

COUNTY APPROVAL

**SHEET TITLE  
 DETAILS**

DATE: 04/20/2023  
 SCALE: 1" = 1'-0"  
 DRAWN BY: COUNTY OF VENTURA  
 APPLICABLE CODE: 2022 VCBC & CRC

SHEET NO.  
**4.2**



2022 CALIFORNIA GREEN BUILDING STANDARDS CODE RESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Y NA RESPON PARTY YES NOT APPLICABLE RESPONSIBLE PARTY (i.e. ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Grid lines for table structure

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O3/g 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 (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging). Note: PWMIR is calculated according to equations found in CCR, Title 17, Section 94521 (a). REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere. VOC. A volatile organic compound (VOC) broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a). 4.503 FIREPLACES 4.503.1 GENERAL. Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances. 4.504 POLLUTANT CONTROL 4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. At the time of rough installation, during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of water, dust or debris which may enter the system. 4.504.2 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with this section. 4.504.2.1 Adhesives, Sealants and Caulks. Adhesives, sealant and caulks used on the project shall meet the requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply: 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Table 4.504.1 or 4.504.2, as applicable. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and 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 California Code of Regulations, Title 17, commencing with section 94507. 4.504.2.2 Paints and Coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in subsections 4.21, 4.26, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 4.504.3 shall apply. 4.504.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings shall meet the Product-weighted MIR Limits for ROC in Section 94522(a)(2) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(e)(1) and (f)(1) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8, Rule 49. 4.504.2.4 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following: 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT1,2 (Less Water and Less Exempt Compounds in Grams per Liter) ARCHITECTURAL APPLICATIONS VOC LIMIT INDOOR CARPET ADHESIVES 50 CARPET PAD ADHESIVES 50 OUTDOOR CARPET ADHESIVES 150 WOOD FLOORING ADHESIVES 100 RUBBER FLOOR ADHESIVES 60 SUBFLOOR ADHESIVES 50 CERAMIC TILE ADHESIVES 65 VCT & ASPHALT TILE ADHESIVES 50 DRYWALL & PANEL ADHESIVES 50 COVE BASE ADHESIVES 50 MULTIPURPOSE CONSTRUCTION ADHESIVE 70 STRUCTURAL GLAZING ADHESIVES 100 SINGLE-PLY ROOF MEMBRANE ADHESIVES 250 OTHER ADHESIVES NOT LISTED 50 SPECIALTY APPLICATIONS PVC WELDING 510 CPVC WELDING 490 ABS WELDING 325 PLASTIC CEMENT WELDING 250 ADHESIVE PRIMER FOR PLASTIC 550 CONTACT ADHESIVE 80 SPECIAL PURPOSE CONTACT ADHESIVE 250 STRUCTURAL WOOD MEMBER ADHESIVE 140 TOP & TRIM ADHESIVE 250 SUBSTRATE SPECIFIC APPLICATIONS METAL TO METAL 30 PLASTIC FOAMS 50 POROUS MATERIAL (EXCEPT WOOD) 50 WOOD 30 FIBERGLASS 80 1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE MEASURED. 2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

TABLE 4.504.2 - SEALANT VOC LIMIT (Less Water and Less Exempt Compounds in Grams per Liter) SEALANTS VOC LIMIT ARCHITECTURAL 250 MARINE DECK 760 NONMEMBRANE ROOF 300 ROADWAY 250 SINGLE-PLY ROOF MEMBRANE 450 OTHER 420 SEALANT PRIMERS ARCHITECTURAL NON-POROUS 250 POROUS 775 MODIFIED BITUMINOUS 500 MARINE DECK 760 OTHER 750 TABLE 4.504.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS2,3 GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS COATING CATEGORY VOC LIMIT FLAT COATINGS 50 NON-FLAT COATINGS 100 NONFLAT-HIGH GLOSS COATINGS 150 SPECIALTY COATINGS ALUMINUM ROOF COATINGS 400 BASEMENT SPECIALTY COATINGS 400 BITUMINOUS ROOF COATINGS 50 BITUMINOUS ROOF PRIMERS 350 BOND BREAKERS 350 CONCRETE CURING COMPOUNDS 350 CONCRETE/MASONRY SEALERS 100 DRIVEWAY SEALERS 50 DRY FOG COATINGS 150 FAUX FINISHING COATINGS 350 FIRE RESISTIVE COATINGS 350 FLOOR COATINGS 100 FORM-RELEASE COMPOUNDS 250 GRAPHIC ARTS COATINGS (SIGN PAINTS) 500 HIGH TEMPERATURE COATINGS 420 INDUSTRIAL MAINTENANCE COATINGS 250 LOW SOLIDS COATINGS1 120 MAGNESITE CEMENT COATINGS 450 MASTIC TEXTURE COATINGS 100 METALLIC PIGMENTED COATINGS 500 MULTICOLOR COATINGS 250 PRETREATMENT WASH PRIMERS 420 PRIMERS, SEALERS, & UNDERCOATERS 100 REACTIVE PENETRATING SEALERS 350 RECYCLED COATINGS 250 ROOF COATINGS 50 RUST PREVENTATIVE COATINGS 250 SHELLACS CLEAR 730 OPAQUE 550 SPECIALTY PRIMERS, SEALERS & UNDERCOATERS 100 STAINS 250 STONE CONSOLIDANTS 450 SWIMMING POOL COATINGS 340 TRAFFIC MARKING COATINGS 100 TUB & TILE REFINISH COATINGS 420 WATERPROOFING MEMBRANES 250 WOOD COATINGS 275 WOOD PRESERVATIVES 350 ZINC-RICH PRIMERS 340 1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS 2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE. 3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

TABLE 4.504.5 - FORMALDEHYDE LIMITS: MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION PRODUCT CURRENT LIMIT HARDWOOD PLYWOOD VENEER CORE 0.05 HARDWOOD PLYWOOD COMPOSITE CORE 0.05 PARTICLE BOARD 0.09 MEDIUM DENSITY FIBERBOARD 0.11 THIN MEDIUM DENSITY FIBERBOARD2 0.13 1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIF. AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIF. CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12. 2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16" (8 MM). DIVISION 4.5 ENVIRONMENTAL QUALITY (continued) 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/CEH/EAQ/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/CEH/EAQ/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/CEH/EAQ/Pages/VOC.aspx. 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 labeled and invoiced 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. 4.505 INTERIOR MOISTURE CONTROL 4.505.1 General. Buildings shall meet or exceed the provisions of the California Building Standards Code. 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 curing, 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. 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. 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 California Energy Code. 4.507 ENVIRONMENTAL COMFORT 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods: 1. The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J - 2011 (Residential Load Calculation), ASHRAE handbooks or other equivalent design software or methods. 2. Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection), or other equivalent design software or methods. Exception: Use of alternate design temperatures necessary to ensure the system functions are acceptable.

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. 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.



STANDARD PLAN FOR ACCESSORY DWELLING UNIT FARMWORKER DWELLING

COUNTY APPROVAL

SHEET TITLE GREEN BUILDING NOTES DATE: 04/20/2023 SCALE: N/A DRAWN BY: COUNTY OF VENTURA APPLICABLE CODE: 2022 VCBC & CRC SHEET NO. GB2