

CALIFORNIA GREEN BUILDING STANDARDS CODE REQUIREMENTS:

- GENERAL REQUIREMENTS**
Newly constructed low-rise and high-rise residential buildings/structure AND additions or alterations to residential buildings where the addition or alteration increases the building's conditioned area, volume or size shall comply with the following requirements. [301.1.1]
- PLANNING AND DESIGN**
 - For future installation of electric vehicle supply equipment (EVSE) in each new single family dwelling:
 - Install a minimum 1-in (inside diameter) listed raceway is installed for each unit to accommodate a dedicated 208/240 volt branch circuit. The raceway shall originate at the main service or a subpanel and terminate in close proximity to the proposed location of the charging system into a listed cabinet, box or enclosure.
 - The panel or subpanel shall provide capacity to install a 40-ampere minimum dedicated branch circuit and space(s) reserved for permit installation of a branch circuit overcurrent protective device.
 - The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as EV capable. The raceway termination location shall be permanent and visibly marked EV CAPABLE. [4.106.4.1.1]
- WATER EFFICIENCY AND CONSERVATION**
 - Comply with the following flow rates [4.303]:
 - Water Closets - 1.28 GPF
 - Wall Mount Urinals - 0.125 GPF and all other Urinals - 0.5 GPF
 - Single Showerhead - 1.8 GPM at 80 psi
 - Multiple showerheads - 1.8 GPM at 80 psi for all combined showerheads
 - Lavatory faucets - 1.2 GPM at 60 psi
 - Lavatory faucets in public use areas - 0.5 GPM at 60 psi
 - Metering faucets - 0.20 gallons per cycle
 - Kitchen faucets - 1.8 GPM at 60 psi
- MATERIAL CONSERVATION & RESOURCE EFFICIENCY**
 - 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 similar methods. [4.406.1]
 - Provide Building Operations and Maintenance at the time of final inspection and placed in the building. [4.410.1]
- ENVIRONMENTAL QUALITY** (California Green Building Standards Code as the reference)
 - Fireplaces shall be direct vent sealed combustion-type. Indicate on the plans the manufacturer name and model number. [4.503.1]
 - Comply w/ following requirements:
 - At the time of rough installation, or 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 acceptable methods to reduce the amount of water, dust, and debris that may enter the system. [4.504.1]
 - 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% moisture content. Insulation products that are visibly wet or have high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. [4.505.3]
 - All mechanical exhaust fans in rooms with a bathtub or shower shall comply with the following:
 - Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building.
 - Fans must be controlled by a humidity control capable of adjustment between a relative humidity range of ≤50% to a maximum of 80% unless functioning as a component of a whole house ventilation system. [4.506.1]
 - The following requirements are regarding finish material pollutant control. Verification of compliance with these sections must be provided at the time of final inspection and shall be documented on the *Building Operations and Maintenance Manual*.
 - Adhesives, sealants and caulks shall meet or exceed the standards outlines in Section 4.504.2.1 and comply with the VOC limits in Tables 4.504.1 and 4.504.2 as applicable. [4.504.2.1]
 - Paints and coatings shall meet or exceed the standards outlines in Section 4.504.2.2 and comply with the VOC limits in Table 4.504.3. [4.504.2.2]
 - Aerosol paints and coatings shall meet or exceed the standards outlined in Section 4.504.2.3. [4.504.2.3]
 - All carpet and carpet cushion installed in the building interior shall meet the California Department of Public Health "Standard Method for the Testing of VOC Emissions from Indoor Sources Using Environmental Chambers". [4.504.3]
 - All carpet adhesive shall meet the requirements of Table 4.504.1. [4.504.3.2]
 - A minimum of 80% of floor area receiving resilient flooring shall comply with the California Department of Public Health "Standard Method for the Testing of VOC Emissions from Indoor Sources Using Environmental Chambers". [4.504.4]
 - Composite wood products (hardwood plywood, particleboard, and MDF) installed on the interior or exterior of the building shall meet or exceed the standards outlined in Table 4.504.5. Verification of compliance with these sections must be provided at the time of inspection. [4.504.5]
- ENERGY REQUIREMENTS:**
 - The plans must show conformance with the latest State (2025) Title 24 Energy Standards. Comply with Prescriptive Standards/Component packages, California Energy Code Table 150.1-A or Title 24 Energy calculations must be submitted. Forms CF-1R and MF-1R, completed and signed by the document author and the owner/designer, are to appear on the blue-line prints (i.e., "sticky-backs"). Show all of the required insulation and other mandatory features on the plans either by notes or details. *Where calculations indicate, "HERS Verification Required," such calculations shall be "registered" calculation shall be registered and submitted to an approved agency (such as CalCERTS). The resulting "registered" calculations will include a registration number in the page footer and a watermark across the page. Calculation pages bearing these identification marks shall be permanently attached to the documents.*

CALIFORNIA ENERGY CODE REQUIREMENTS:

- PHOTOVOLTAIC SYSTEMS** [CEnc Section 150.1(c)14]
 - A newly-installed photovoltaic (PV) system or newly-installed modules shall be provided with the annual electrical output no less than the smaller of:
 - a PV system size determined by CEnc Equation 150.1-C or
 - the total solar access roof area (SARA) multiplied by 18 (for roofs at 2:12 slope or greater) or by 14 (for roofs less than 2:12 slope).
- BATTERY ENERGY STORAGE SYSTEM (BESS) READY** [CEnc Section 150.0(s)]
 - At least one of the following shall be provided:
 - BESS ready interconnection equipment with a minimum backed-up capacity of 60 amps and a minimum of four BESS-supplied branch circuits specified in Section 150.0(s)2, or
 - A dedicated raceway from the main service to a panelboard (subpanel) that supplies the branch circuits in Section 150.0(s)2. All branch circuits are permitted to be supplied by the main service panel prior to the installation of an BESS. The trade size of the raceway shall be not less than 1 inch. The panelboard that supplies the branch circuits (subpanel) must be labeled "Subpanel shall include all backed-up load circuits."
 - 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 BESS. 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.
 - The main panel board shall have a minimum busbar rating of 225 amps.
 - Sufficient space shall be reserved to allow future installation of system isolation equipment or a transfer switch within 3 ft 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.
- ELECTRIC READINESS REQUIREMENTS** [CEnc Section 150.0(t)-(v)]
 - Heat pump space heater ready: If a natural gas or propane furnace is installed, incorporate the following requirements [CEnc Section 150.0(t)]
 - 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.
 - 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."
 - Electric cooktop ready: If a gas or propane cooktop serves individual dwelling units, incorporate the following requirements [CEnc Section 150.0(u)]
 - 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.
 - 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."
 - Electric clothes dryer ready: If a clothes dryer location has gas or propane plumbing, incorporate the following requirements [CEnc Section 150.0(v)]
 - 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.
 - 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."

NEW & EXISTING FOUNDATION CONNECTION DETAILS

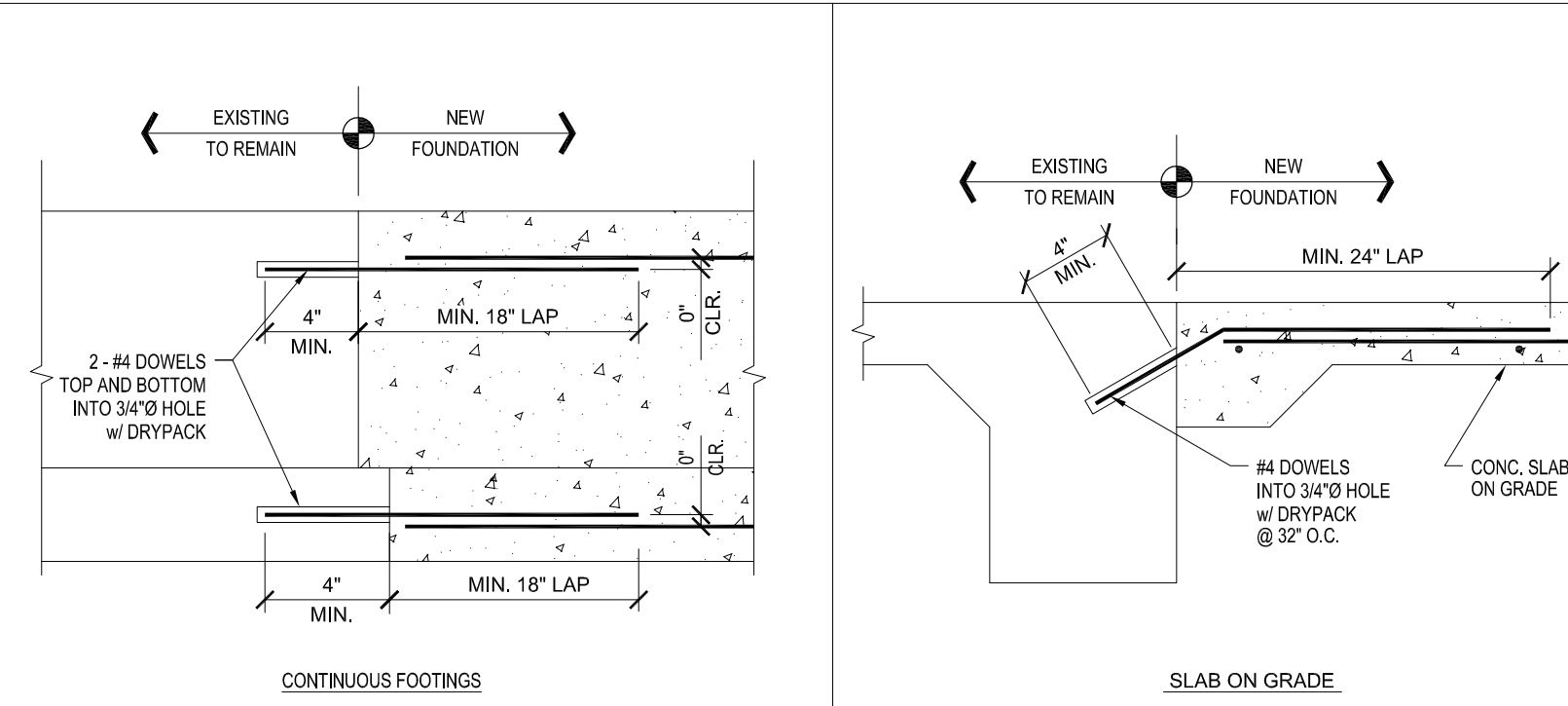
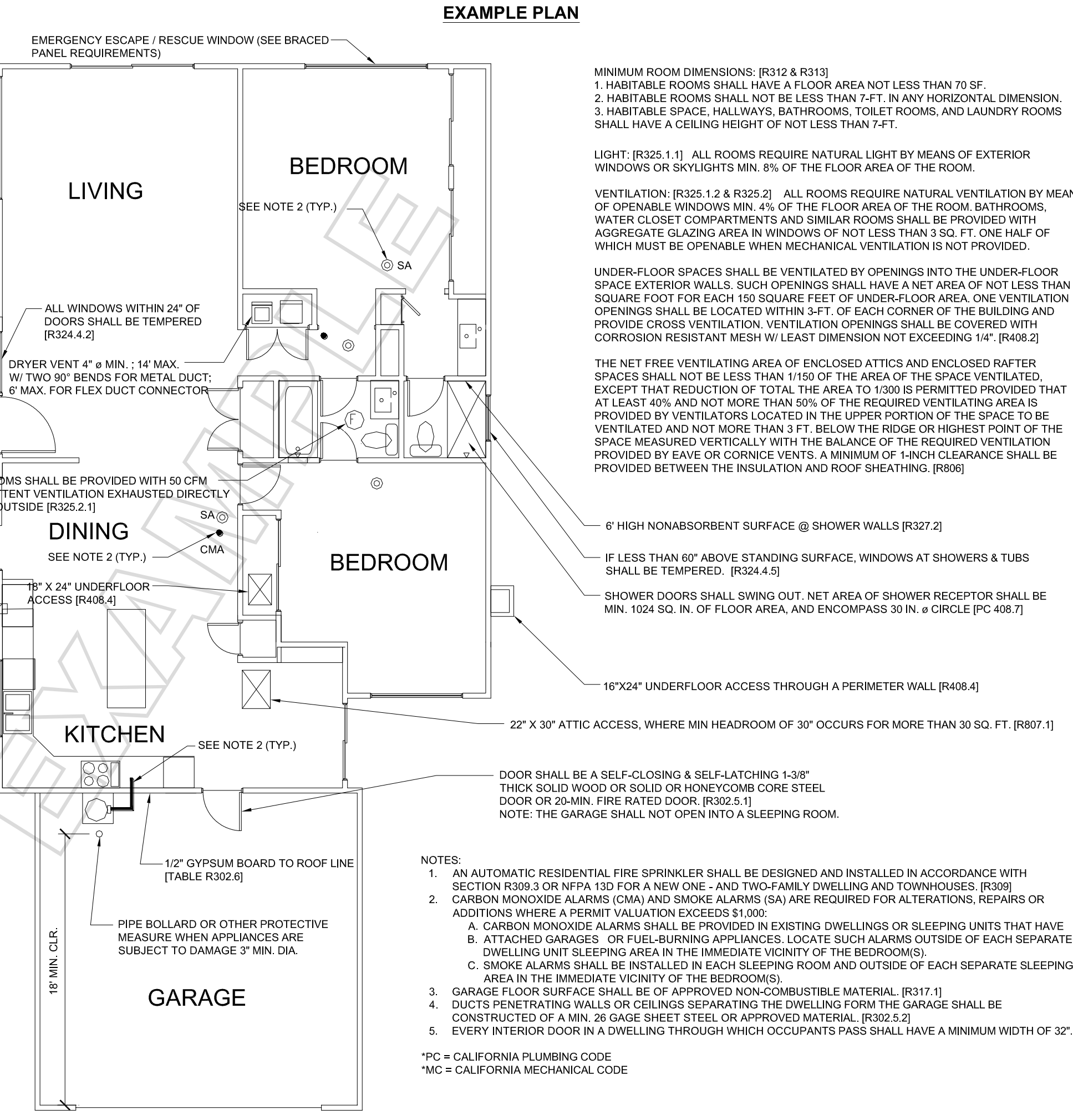
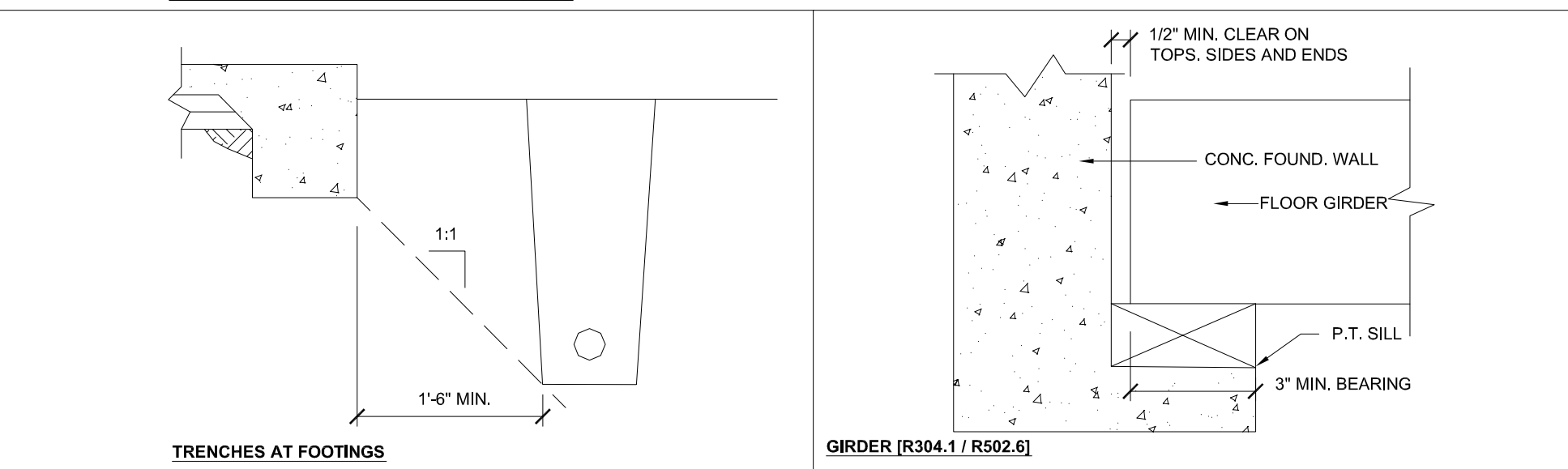
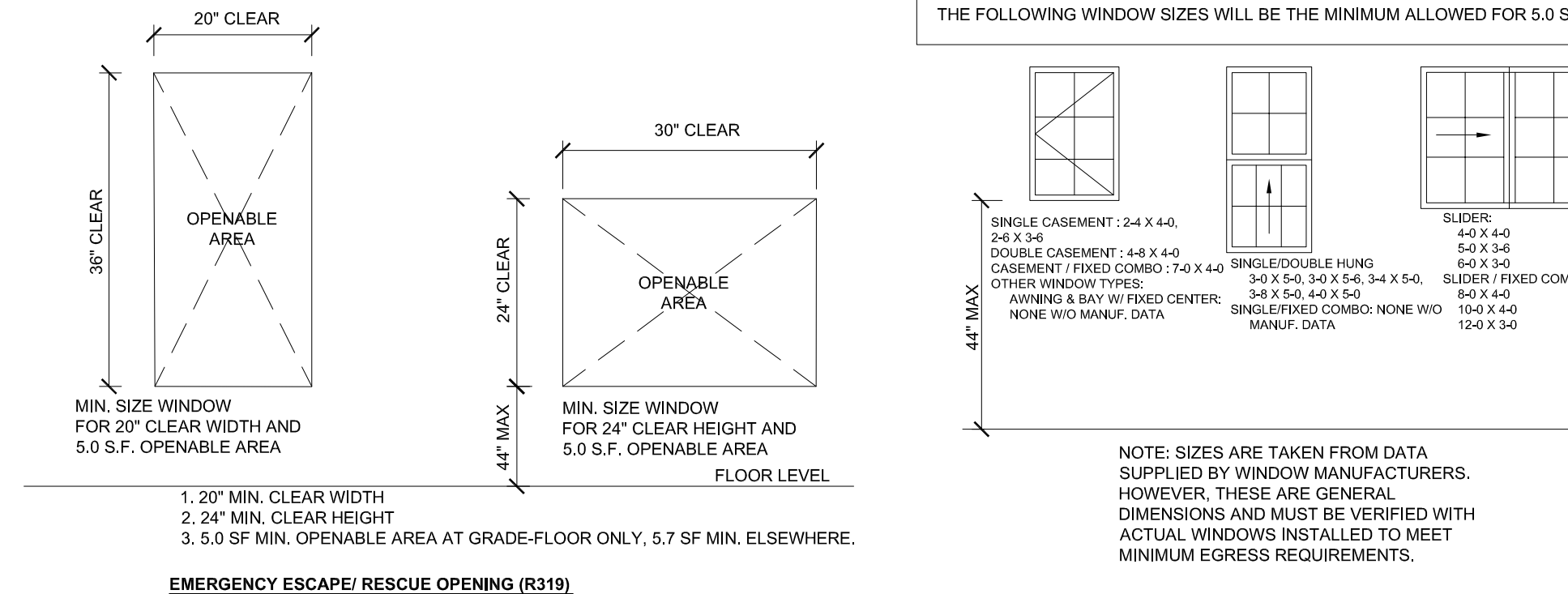
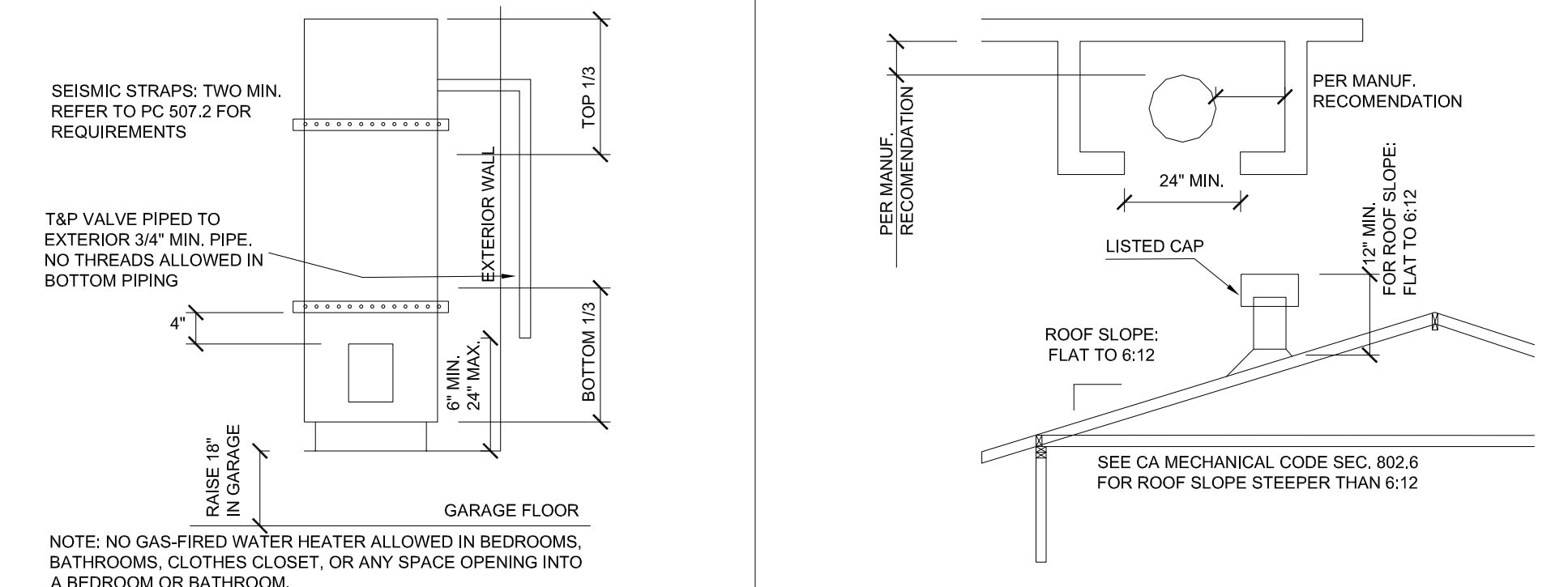


TABLE 150.1-A: COMPONENT PACKAGE A-STANDARD BUILDING DESIGN

| COMPONENT | CLIMATE ZONE | | | | |
|--------------------------------------------------------|-----------------------------------|---------|---------|---------|-------------|
| | 8 | 10 | 14 | 15 | 16 |
| BUILDING ENVELOPE INSULATION | | | | | |
| Option B: Roof Insulation | R-19 | R-19 | R-19 | R-19 | R-19 |
| Ceiling Insulation | R-38 | R-38 | R-38 | R-38 | R-38 |
| Radiant Barrier | NR | NR | NR | NR | NR |
| Option C: Ceiling Only | R-38 | R-38 | R-38 | R-38 | R-38 |
| Radiant Barrier | REQ | REQ | REQ | REQ | NR |
| ROOFS/CEILING* | Framed ¹ | U 0.048 | U 0.048 | U 0.048 | U 0.048 |
| Above Grade | Mass Wall Interior ² | U 0.077 | U 0.077 | U 0.077 | U 0.059 |
| Below Grade | Mass Wall Exterior ³ | U 0.125 | U 0.125 | U 0.125 | U 0.077 |
| Below Grade | Below Grade Interior ⁴ | U 0.077 | U 0.077 | U 0.077 | U 0.067 |
| Below Grade | Below Grade Exterior ⁵ | U 0.200 | U 0.100 | U 0.100 | U 0.053 |
| FLOORS | Slab Perimeter | NR | NR | NR | 0.058 R-7.0 |
| Raised | U 0.037 | U 0.037 | U 0.037 | U 0.037 | U 0.037 |
| Concrete Raised | U 0.269 | U 0.269 | U 0.092 | U 0.138 | U 0.092 |
| Quality Insulation Installation Req'd. | YES | YES | YES | YES | YES |
| ROOFING PRODUCTS | | | | | |
| LOW-SLOPED | Aged Solar Reflectance | NR | NR | NR | 0.63 |
| Thermal Emittance | NR | NR | NR | 0.75 | NR |
| STEEP-SLOPED | Aged Solar Reflectance | NR | 0.20 | 0.20 | 0.20 |
| Thermal Emittance | NR | 0.75 | 0.75 | 0.75 | NR |
| VENTILATION SYSTEM | | | | | |
| Electric-resistance allowed | NO | NO | NO | NO | NO |
| If gas, AFUE | N/A | N/A | N/A | N/A | N/A |
| If heat pump, HSPF ² | MIN | MIN | MIN | MIN | MIN |
| SEER ² | MIN | MIN | MIN | MIN | MIN |
| Refrigerant charge verification - air conditioners | REQ | REQ | REQ | REQ | NR |
| Refrigerant charge verification - heat pumps | REQ | REQ | REQ | REQ | REQ |
| Whole house fan ¹ | REQ | REQ | REQ | NR | NR |
| Central fan integrated ventilation system fan efficacy | REQ | REQ | REQ | REQ | REQ |
| Roof/ceiling options A & B | Duct Insulation §150.1(c)9A | R-8 | R-8 | R-8 | R-8 |
| Roof/ceiling options C | Duct Insulation §150.1(c)9B | REQ | REQ | REQ | REQ |
| Fault Indicator Display for HRV/ERV systems | REQ | REQ | REQ | REQ | REQ |
| WATER HEATING SYSTEM | | | | | |
| System meeting requirements of §150.1(c)8A, B, or C | REQ | REQ | REQ | REQ | REQ |

NOTES:

- Assembly U-factors can be met with cavity insulation alone or with continuous insulation alone, or with both cavity and continuous insulation that results in an assembly U-factor equal to or less than the U-factor shown. Use Reference Joint Appendices JA4 Table 4.3.1, 4.3.1(a), or Table 4.3.4 to determine alternative insulation products to meet the required maximum U-factor.
- Mass wall has a thermal heat capacity greater than or equal to 7.0 Btu/h-ft². "Interior" denotes insulation installed on the inside surface of the wall.
- Mass wall has a thermal heat capacity greater than or equal to 7.0 Btu/h-ft². "Exterior" denotes insulation installed on the exterior surface of the wall.
- Below grade "interior" denotes insulation installed on the inside surface of the wall.
- Below grade "exterior" denotes insulation installed on the outside surface of the wall.
- HSPF means "heating seasonal performance factor."
- When whole house fans are required (REQ), only those whole house fans that are listed in the Appliance Efficiency Directory may be installed. Compliance requires installation of one or more WHFS whose total airflow CFM is capable of meeting or exceeding a minimum of 1.5 cfm/square foot of conditioned floor area as specified by section 150.1(c)12.
- A supplemental heating unit may be installed in a space served directly or indirectly by a primary heating system, provided that the unit thermal capacity does not exceed 2 kilowatts or 7,000 Btu/hr and is controlled by a time-limiting device not exceeding 30 minutes.
- For duct and air handler location: REQ denotes location in conditioned space. When the table indicates ducts and air handlers are in conditioned space, a HERS verification is required as specified by Reference Residential Appendix Section RA3.1.4.3.8.
- Provide 1" minimum clearance between insulation and roof sheathing for rafter space ventilation. [R806.3]
- "Option C" also applies to vaulted or "cathedral" ceiling conditions where insulation is placed between rafters and finish ceiling material on underside of this framing.



**2026 Wood Frame Prescriptive Provisions
One Story Residential Construction Only**

| | |
|-----------|---------------|
| Revisions | |
| Scale | |
| Drawn | |
| Checked | |
| Job No | |
| Date | |
| Sheet | 2 of 2 |