

**CODE QUIZ**  
September 2018  
Answer Key

1. According to the 2016 California Residential Code R327.2, where approved, repurposed battery systems from electric vehicles are allowed to be installed outdoors or in detached sheds located a minimum of 5 feet from exterior walls property lines and public ways.
  - a. True
  - b. False

**Answer: (a) Stationary storage battery systems shall be listed and labeled for residential use in accordance with UL 9540, however the exception allows unlisted repurposed battery systems from electric vehicles as long as they are not stored in the attached garage or residence. Also, battery systems less than 1 kWh and systems that are an integral part of an electric vehicle and comply with Section 625.48 of NFPA 70 are also exempt from listing requirements. Effective July 1 supplement**

2. Secondary roof drainage shall be provided to ensure rainwater accumulation will be drained away if the primary roof drainage system is clogged. According to the 2016 California Plumbing Code section 1101.12.2.1 when roof scuppers are used as the secondary drainage method, the scupper openings shall be not less than \_\_\_\_ inches high and have a width equal to the circumference of the roof drain required for the area served sized in accordance with Table 1101.12.
  - a. 2
  - b. 4
  - c. 5
  - d. 6

**Answer: (b) when used, scupper opening shall not be less than 4 inches high. Most would say that this is for commercial projects only. The CPC 1101.2 allows the AHJ to exempt one and two family dwellings. However some large SFD's with flat roofs (Atherton) the BO may want to require a secondary drainage system.**

3. According to 2016 California Residential Code Section R324.6, roof access and pathways for solar installations on detached non habitable structures, such as detached garages, parking structures, shade structures, carports, etc, are required.
  - a. True
  - b. False

**Answer: (b) according to the exception, detached non habitable structures, including but not limited to, detached garages, parking structures, shade structures, carports, solar trellis, and similar structures, shall not be required to provide roof access. Along with the exceptions the Fire code official can determine that roof access and pathways need not be provided if rooftop operation will not be deployed. Follow up question: Conversely then can the fire code official still require a detached garage to have roof top access if he/she determines that roof top operations will be deployed? Effective July 1 supplement.**

4. According to the 2016 California Residential Code Section R1004.2 for Factory Built Fireplaces, the hearth extension shall be:
- Not less than 16" in front of the fireplace opening and 8" beyond each side.
  - Not required for Factory Built Fireplace
  - Shall be installed in accordance with the listing of the fireplace.
  - The hearth extension shall be readily distinguishable from the surrounding floor area and be in compliance with UL 1618.
  - Both (c) and (d)

**Answer: (e) Hearth extension of approved factory built fireplace shall be installed in accordance with the listing of the fireplace. The hearth extension shall be readily distinguishable from the surrounding floor area and be in compliance with UL 1618.**

5. According to the 2016 California Electrical Code, section 680.22(A) when a permanently installed pool is installed, no fewer than one 125-volt, 15- or 20-ampere receptacle on a general-purpose circuit shall be located not less than \_\_\_ feet from, and not more than \_\_\_ feet from, the inside wall of the pool.
- 5 , 15
  - 6, 20
  - 5, 20
  - 6, 15

**Answer: (b) 6 feet and 20 feet. What is your definition of a "permanently installed pool". Why is this receptacle required and what purpose does it installation serve?**