

✔ Congratulations! You passed!

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1. Setbacks are required on rooftops to ensure there are adequate walkways for accessing the roof for maintenance or firefighting.

1 / 1 point

- ☒ True
- ☐ False

✔ Correct
Correct!

2. According to the International Fire Code, aside from exceptions, how wide must the walkways be on either side of a residential rooftop solar array?

1 / 1 point

- ☐ 18"
- ☒ 3 feet
- ☐ 2 feet

✔ Correct
Correct!

3. On commercial roofs, aside from exceptions, for every ____ feet of PV, there must be a(n) ____ foot pathway.

1 / 1 point

- ☐ 100; 10
- ☐ 150; 10
- ☐ 100; 8
- ☒ 150; 8

✔ Correct
Correct!

4. Which of the following is NOT an element of a site plan for a commercial PV installation?

1 / 1 point

- ☐ Letter of structural adequacy from a licensed engineer or architect
- ☐ Close up of roof layout
- ☐ Plans for setbacks and method of attaching to the roof.
- ☐ Three-line wiring diagram
- ☒ Cost estimate

✔ Correct
Correct! Although a cost estimate is needed for the customer, it is not typically part of a site plan required by inspectors.

5. An inspector should ensure that rack feet are:

1 / 1 point

- ☒ Spaced far enough to ensure the weight load is spread over the roof

✔ Correct
Correct! There are other correct answers.

- ☐ Close together

- ☒ In the location where the site plan says they will be

✔ Correct
Correct! There are other correct answers.

6. An inspector will require that ground mount footers are in concrete.

1 / 1 point

- ☐ True
- ☒ False.

✔ Correct
Correct! Driven posts can also be used to secure ground mounts.

7. One problem with PVC conduit is the way it expands and contracts with temperature fluctuations. Select any true statements, as described in the Site Inspections video lesson:

1 / 1 point

- ☐ A break in PVC conduit is worse than having it come apart.
- ☒ Without expansion joints, PVC conduit may either break or come apart.
- ☐ PVC conduit may change length by more than 10 inches over the course of winter/summer heat cycle.

✔ Correct
Correct!

8. Select true statements regarding roof mounting:

1 / 1 point

- ☐ Lag bolts are allowed to wiggle a bit after installation
- ☒ The modules and inverters installed should match those included in the site plan drawings.

✔ Correct
Correct! It is important that the installed system matches the specs provided for inspections. There are other correct answers.

- ☐ Ballasts should meet specs or be slightly heavier.

- ☒ Longer runs of PVC conduit require expansion joints.

✔ Correct
Correct! Expansion joints are needed for PVC, because longer runs can expand 3 to 4 inches throughout the year. There are other correct answers.

9. Select all reasons why a zoning variance may be needed:

1 / 1 point

- ☐ When aesthetics may be objectionable
- ☒ When the array may go over height restrictions

✔ Correct
Correct! There are other correct answers.

- ☒ When the array may be in a flood plain

✔ Correct
Correct! There are other correct answers.

- ☒ When a PV array is to be installed closer to the property line than zoning rules allow

✔ Correct
Correct! There are other correct answers.

10. Even when performing a relatively minor renovation in the U.S., a homeowner must be prepared to bring all aspects of their home up to spec with current codes.

1 / 1 point

- ☐ True
- ☒ False.

✔ Correct
Correct! Unless the project is a new build, or major renovation, most specs related to the existing structure will not have to be brought up to match current codes.