



# Sustainability & Energy Webinar Course

## Construction QA for Energy Performance

### -CEU Quiz

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1. Interfacing with Control layers of the building envelope consists of which of the following?
  - Air/moisture barriers
  - Vapor barriers
  - Insulation
  - all of the above
2. All of the following should be checked on lighting equipment submittals except:
  - Maximum Watts
  - Color Temperature
  - Lumens
  - Shading Factor
3. The USACE construction field office notices, for a design-build contract, that the contractor deviated from shop drawings and design plans and changed the ductwork at the fan outlet on an air handling unit. The contractor then put fire alarm panels on the wall in front of the ductwork (3 feet away). Which of the following is a correct response to the issue:
  - Ignore the change. It is no big deal and we can not delay beneficial occupancy.
  - Require the design-build contractor to correct the energy model to show the updated energy performance and verify compliance with the contract.
  - Immediately negotiate to swap the difference in ductwork cost to help pay for another mandatory modification.
  - Fund the Engineering Division office to update the design-build contractor's energy model.
4. Which of the following is necessary for USACE to ensure contractor quality control is working effectively for complex systems:
  - USACE Quality Assurance
  - Commissioning
  - Contractor Quality Avoidance
  - Both a and b.