ERRATA for
PE Architectural Practice Exam
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Revisions are shown in red.

Question 14, p. 17:
A meeting room is 30 ft × 14 ft with one standard 3-ft door as shown. Per NFPA 70, *National Electrical Code®* (*NEC®*), what is the **minimum** number of receptacle outlets required to meet code?
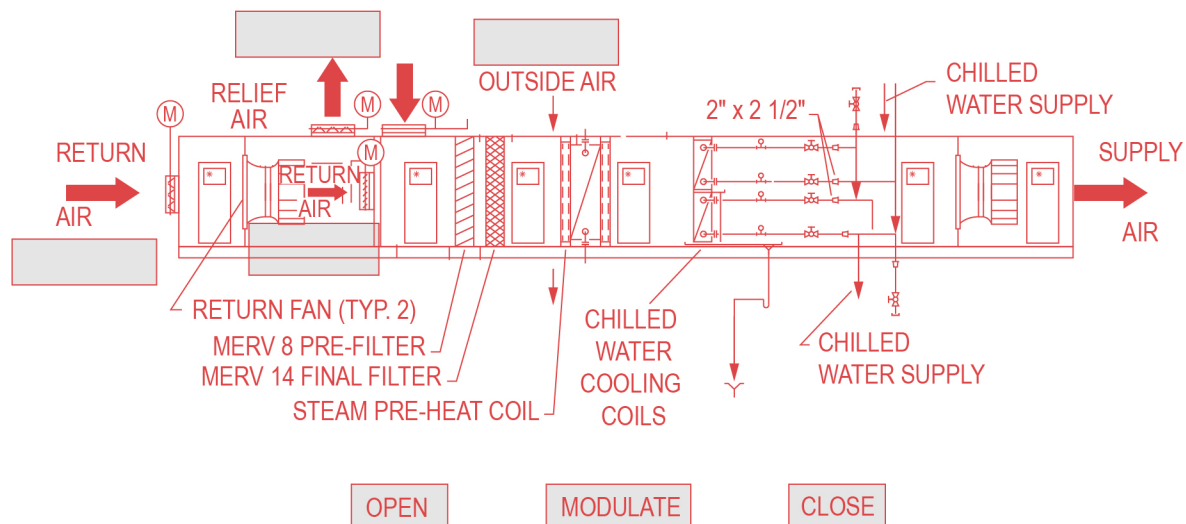
Question 30, p. 26:
A building contains the following areas: 1,500 ft^2 private office space, 200 ft^2 restroom, 200 ft^2 breakroom, and 300 ft^2 corridor. According to the 2018 IECC and the space-by-space method, the total interior lighting power allowance (W) is most nearly:

Question 53, p. 40:
This item was completely replaced.

Mixed air temperature low limit set point for economizer mode is set at 50°F. An outdoor air enthalpy sensor controls whenever the outdoor air moisture content produces indoor conditions higher than 50% relative humidity (RH).

Match the appropriate operation mode to each damper for the operation of the unit when the outdoor air temperature is below economizer set point.
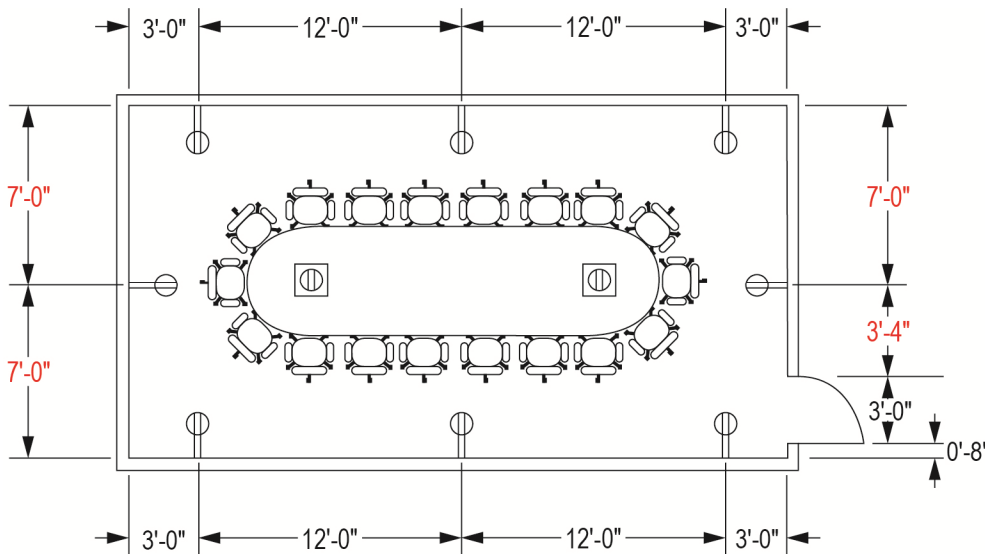
Solution 3, p. 66:
d_1 = distance at which sound data from equipment is usually measured (3 ft)

Solution 14, p. 70:
Refer to NFPA 70, *National Electrical Code®* (*NEC®*), Article 210.71(B). Quantity of receptacles is based on spacing of receptacles of 12 ft o.c. so that no point on the wall is more than 6 ft from a receptacle. The room is 14 ft × 30 ft = 420 ft^2, so floor outlets = 420/215 = 1.95 receptacles, or two receptacles. Note that NFPA 70 defines a receptacle outlet as "an outlet where one or more receptacles are installed." Therefore, two floor boxes are required. The minimum number of receptacles in the meeting room is eight wall receptacles and two floor receptacles, so ten.

THE CORRECT ANSWER IS: C

Solution 36, p. 78:
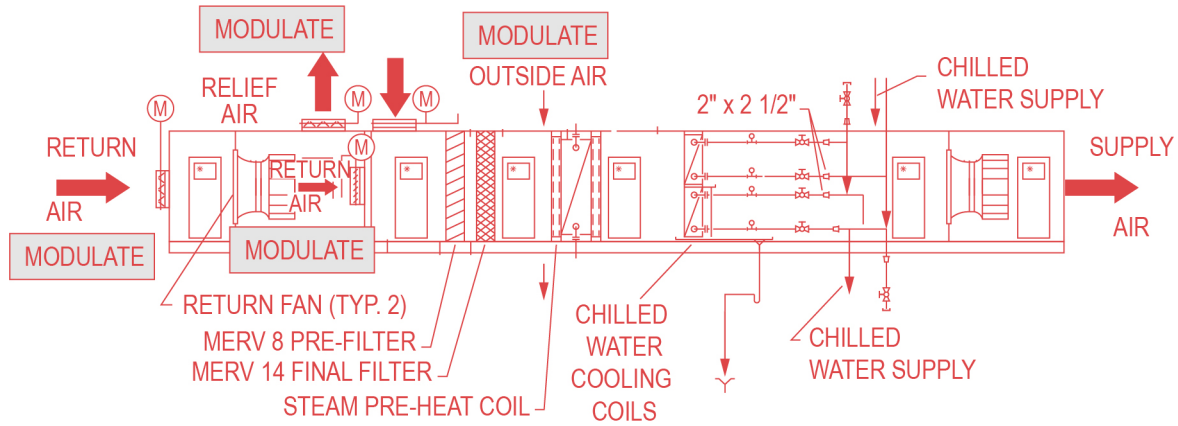The last line of the solution should read as follows:
Calculate ΔQ (the amount of capacitance we need to add to $Q_{initial}$ to get to Q_{new}):
$\Delta Q = Q_{initial} - Q_{new}$ = 469.6 kvar – 175 kvar = 294.6 kvar

Solution 53, p. 83:

This solution was completely replaced.

THE CORRECT ANSWERS ARE SHOWN ABOVE.