ERRATA for

PE Fire Protection Practice Exam

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Revisions are shown in red.

Question 61, p. 37:

Question 61 should read as follows.

61. A smoke control system is being used to pressurize a stairwell in a high-rise. The door is 48 in. wide × 72 in. tall, and the doorknob is located 6 in. from the edge of the door. The force required to overcome the force of the door closer is 5 N. Based on this information, the maximum pressure difference (in. H_2O) that will allow a person to open the door using a total force of 50 N is most nearly:

- ○ A. 0.14
- ○ B. 0.74
- ○ C. 3.41
- ○ D. 80.88

Solution 61, p. 70:

Solution 61 should read as follows.

61. Refer to the Smoke Control chapter in the *PE Fire Protection Reference Handbook*.

$$F = F_{DC} + \frac{k_d W A \Delta P}{2(W - d)}$$

Convert N to lb

$$11.24 \text{ lb} = 1.12 \text{ lb} + \frac{(5.2)(4 \text{ ft})(24 \text{ ft}^2)\Delta P}{2(4 \text{ ft} - 0.5 \text{ ft})}$$

$$\Delta P = 0.14 \text{ in. } H_2 0$$

THE CORRECT ANSWER IS: A