

Top 5 Ways Quickly Fail The BPI Field Exam

- Walk into the test house without mentioning or actually switching on **your carbon monoxide ambient sensor clip**
- Not understanding where your CAZ is**
- Not knowing how to put a house under worst case conditions**
- Not taking draft reading 1-2 feet above the diverter**
- Not taking the draft test and a spillage test at the same time**

BPI Field Exam - What To Know In The Attic

1. Insulation depth.
2. Effective R-values- tell the proctor what average R-value you estimate the attic to be and why.
3. Identify the supply and return lines.
4. Look for areas of duct leakage - show the proctor you are checking. around collars, mixing boxes and plenums for duct leakage.
5. Mention to the proctor you will need to test out after any work is done.
6. Check the filter (inside the house) for excessive dirt build-up.
7. Identify H&S hazards- water damage, mold, exhaust fans terminating in the attic, asbestos pipe or tape, vermiculite insulation.

BPI Field Exam - What To Know In The House

1. Recommend CFLs or LED lighting.
2. Check flow rates (turn the bathroom faucets on) and recommend low flow aerators.
3. Check year of small appliances like refrigerator, dishwasher and dryer and recommend refrigerator replacement if older than 2000.
4. Mention renewable energy as a means to offset and produce energy usage.
5. Identify fire hazards or paints, cleaners, lead paint, and other VOCs chemicals.
6. Identify IAQ problems like exposed fiberglass.
7. Checked for moisture problems and made appropriate recommendations.
8. Review utility bill and identified baseload and seasonal usage.
9. Inspected windows and doors for fit and performance (dual or single pane, low-e coating).
10. Identify potential air barriers from inside the home (any soffit, archway or change in ceiling height).

Self check - see if you can answer these questions from memory:

1. How are room pressures are different from worst case?
2. How is CAZ is different from worst case?
3. What is the formula for ACH50?
4. What is the formula for CFM50? (Answer - there is none)
5. What are the steps to calculate the BAS for a home?
6. What are the steps to put a home under worst case conditions?