Auditor Forms and Site Drawings

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Our Goals

• Ensure that site information is collected accurately and consistently
• Provide away for QCI and others to verify data
• Sufficient documentation
• Ultimately, create uniformity in NEAT data entry and energy modeling.
Auditor Forms

• Energy Auditor’s Data Collection Forms
  – This is a work in progress.
  – All the forms that need to be signed at the audit:
    • Weatherization Agreement
    • Notice of Safety
    • Mold and Moisture
    • Etc.
  – Data collections
    • blower door
    • mechanical form
  – Pictures
  – Site drawings
Purposes of Site Drawing

• Define and measure the Thermal and Pressure boundaries
• Have correct data for the WA software, so that work orders are correct
• Help auditors not miss any possible measures
  – Helps jog your memory
Site Drawing

- Details
- Neatness
- Accuracy (nearest half foot).
- Site Drawing Elements
  - Attic, Foundation and Wall dimensions
  - Attic, Foundation and Wall Square footage calculations
  - Information that will affect the scope of work
  - Information needed by crews or contractors to perform their work properly
Site Drawing

• Pictures are your friend!!
  – Document the existing condition
  – Can head off issues later
  – Helping you fill in something you may have missed at the audit.

• Site drawings and picture are a powerful combination
Type of houses

- Rambler
- Spit level
- Mobile home
- Town home
- Two, three levels home
- Multi-families unit
Site Drawings

• Shows what pictures cannot tell:
  – Measurements
  – Cardinal direction
  – Thermal and Pressure Boundaries
  – Location of doors and windows with assigned code name. (this can also be address with good pictures and label the pictures)
  – Separated each story including one for basement if any different in square footage or design of perimeter.
  – Side views
  – Ground slope views
Data collection

• What should be included:
  – Size of doors and windows
  – Any special condition:
    • Kneewall
    • Crawlspace
    • Insulation level
    • Etc.
Pictures

• Existing condition (more for better)
  – Electrical
  – Moisture
  – Duct work
  – Venting
  – Anything that maybe an issue later......
Example #1 Split level
Example #1 Split level
Example #1 Split level
Example #2 - 1.5 Stories
Example #2 - 1.5 Stories
Example #2 - 1.5 Stories
Recap

- Details
- Neatness
- Accuracy (nearest half foot).
- Site Drawing Elements
  - Attic, Foundation and Wall dimensions
  - Attic, Foundation and Wall Square footage calculations
  - Information that will affect the scope of work
  - Information needed by crews or contractors to perform their work properly
Questions