















Prescriptive vs. Performance

- We are Raters
 - Why use the Prescriptive Path
- Prescriptive requirements not Performance requirements
 - Window U-values and WFA rule
 - Energy Star qualified appliances and fans
 - Lighting 80% bulbs and fixtures Energy Star























- The specifications are designed to help improve moisture control in new homes compared with homes built to minimum code
- This checklist is provided by the Rater to the Builder who completes the checklist
 - The Rater Shall review the checklist
 - If desired by the Builder, the Rater may verify any item on the checklist
- A completed, signed, and verified **Energy Star Indoor airPLOS** Verification Checklist may be submitted in lieu of the Water Management System Builder checklist
- Rater Certification needed on this checklist









- Can we go there and be successful YES
- Thermal Bridging
 - 99% choosing advanced framing package
 - · Can every header be insulated

"...except where a framing plan provided by the builder, architect, designer, or engineer indicates that full-depth solid headers are to be used. The Rater need not evaluate the structural necessity of the details in the framing plan to certify the home."











Rater Discretion

- If the Rater is not able to determine if the item is consistent with the intent:
 - Present and alternative method of meeting checklist requirement and consult Provider
 - If Provider also cannot make this determination ... then Provider shall report the issue to EPA
- If EPA believes the guidelines are sufficiently clear to determine the intent ... then they need to be enforced
- If EPA believes the program guidelines require revisions to make the intent clear, then guidance will be provided in the next revision





- When to be firm
 - In training
 - $_{\odot}\,$ Checklist items are mandatory items
 - Slab edge insulation
 - Spot ventilation Fan flow





















Working through issues

- Constantly gather information and have a dialog with your provider and or Energy Star
- Example:
 - HVAC Contractor and Rater Checklist
 - 15% oversized or next nominal size

1.2.9 Listed total cooling capacity (3.10) is 95-115% (or 95-125% for Heat Pumps in Climate Zones 4-8) of design total heat gain (2.14), or next nominal size















Thermal Enclosure Checklist

Seems perrty good as is.....





HVAC Checklists

- More guidance/clarification for the Rater on HVAC checklist reviews – better matrix's for judging design compliance
- Move to true required site specific designs
- Across the board tightening of duct leakage requirements to be consistent with the 2012 IECC
- Greater recognition of regional differences in design
 - Altitude, dryness, and climate change in Colorado for example













