Phius Guidance and Testing Rules for Commercial Kitchens

The following allowances shall be granted for projects that include commercial kitchen range hoods:

- Space conditioning allowances for
    - Air leakage associated with un-dampered ducts (typically required by fire code)
    - Intermittent mechanical exhaust through through the range hood (rates typically required by code)
- Source energy allowance for the fan power associated with the
    - Commercial kitchen hood
    - Makeup air system

Project teams should be made aware of the additional testing requirements so that the CPHC and Verifier are aligned with their understanding.

Whole-Building Airtightness Testing

Operational Test (typical):

No items may be taped.

Durability Test 1:

Commercial kitchen range hoods may be taped off **only**.

Durability Test 2 (as needed):

Commercial kitchen range hoods may be taped off **in addition to** all other non-threatening leakage elements in order to meet the airtightness limit for Certification.

WUFI Passive / METr Energy model:

Model intermittent direct exhaust and account for the exhaust fan energy as an auxiliary energy device. Complete the Phius Commercial Kitchen Allowance Estimator to determine the target allowances and update values accordingly in the WUFI Passive/METr energy model.