

STEP BY STEP DIRECTIONS FOR IBA HEAT LOSS FORM

Step one.

Design Temperature Difference. Indiana has three zones, North = 70, Central = 65, and Southern = 60. A couple of counties with lake effect in the extreme north can use 75. Click on the number 65 if you need to change the TD and type in the TD desired. (North zone only.)

Step two.

Click on "Name" and type in the client's last name and account number.

Step three.

Under: Sidewall Gross Area, go to line one and go to first red box and hit enter or select. Go to the right edge and select the wall which best describes the walls of the home after we have weatherized the home. Then go to the red box on the same line under Total Area and enter the total SF of the exterior walls. If you have more than one type wall, you can add up to three more type walls, one on each different numbered line.

Step four.

Under: Glass, go to line one and go to the first red box and hit enter or select. Go to the right edge and select the window which best describes the type glass this home has. Then go to the next red box on the same line under Total Area and enter the total SF of this type glass. Remember doors with 50% or more glass are considered windows. If you have more than one type window, add each type on the lines below along with the SF in the correct box.

Step five.

Do the same procedure for doors as for walls and windows. SF of the total door area of all doors of each type. Remember doors with 50% or more glass are considered windows.

Step six.

Do not do anything under the section named: Sidewall Net Area

Step seven.

Under: Ceilings, go to the first red box on line one and hit enter or select. Go to the right edge of the box and select the ceiling that closest describes the R-value after we have weatherized the home. Go to the second red box on that line and enter the SF of the ceiling of this type. If there are more than one type, enter each type on its own line.

Step seven.

Under: Floors/Foundations. This section has different inputs for different building types.

1. Site built on crawl and/or basement. Put each type on its own line with the SF of wall space in the TOTAL AREA box. (Never use open crawl unless there are no walls.)
 - A. SF of Above grade walls: DO NOT include any wall next to garage.
 - B. SF of Below grade walls: DO NOT include any wall next to garage.
2. Site built on slab. The insulation values are what is on the slabs exposed edge. The number to use in the TOTAL AREA is in LINIER FEET, of the exposed slab edge. Do not count any edge next to a garage.
3. Modular or Mobile home on a permanent foundation should be treated as a site built home.
4. Modular or Mobile with skirting or open crawl has floor types along with insulation values within the floor or belly. The value in the TOTAL AREA box is in SF. (Floor Space)

Step eight.

CFM@50Pa In this box we put the: Initial Blower Door Reading plus the MVR divided by 2.

Example: Initial blower door = 3000 + MVR=1200 = 4200/2=2100 2100 goes in the box.

Step nine.

Infiltration Multiplier: Use the number of stories/

No Shading = Out in a open field with no trees or buildings.

Light Shading = Minimal trees or buildings but they do provide a little protection.

Moderate Shading = In a subdivision with homes close together and some trees.

Full Shading = The home is in a woods or surrounded by tall buildings.

Step ten.

Duct location and type is mostly self explanatory.

Wall insulation R-Value. This is the R-value of the ducts or the R-value or the walls of the space around the ducts. Leave this section blank if, the home is a mobile home and the ducts in the belly are incased in a minimum of R-19.