If the product *IS* a single or double hung (i.e., a vertical or horizontal slider), where there will be a different gap width between the glazing system and the storm window for different frame profiles, do the following:

In WINDOW:

- Before starting the program, open the W5.INI file (usually found in the operating system directory – for example, in Microsoft Windows XP, that directory is c:\windows) and add the following line (if it does not already exist):

  - FrameToleranceGlazingSystemThickness=5

  Note: it is all one word, no spaces, and that it can go anywhere in the INI file. If this line already exists, but has some other value other than "5", change the value to "5". This represents the percentage tolerance between the frame and glazing system thickness. Setting it to one makes the thickness tolerance checking 500%, which should disable the WINDOW thickness tolerance checking, and therefore allowing the program to perform a calculation with glazing systems of different thicknesses.

- Create the two glazing systems with the actual thicknesses between the glazing system and the storm window, which will fit into the frame profiles that will be modeled in THERM.

In THERM

- Draw the frame components for the product in THERM.

- Import the glazing systems with the actual gap widths into the appropriate frame profiles with the following settings:
  Edge of Glass Dimension = 63.5 mm (2.5 inch)
  Glazing System Height = 150 mm (6.0 inch).

- Fill any air cavity between the bottom of the glazing system and the top of the frame profile as necessary, and use the Library/Create Link feature to link that air cavity to the glazing cavity.

- Assign the boundary conditions
  Exterior Boundary Condition = **Use existing BC from library,** select **"**NFRC 100-2001 Exterior", and assign the **SHGC Exterior** U-factor tag to the exterior frame components
  Interior Boundary Condition = Use "convection plus enclosure radiation" for Glazing System, use appropriate "convection only" frame boundary condition for the frame components.

- Simulate each model.

In WINDOW:

- Import the THERM frame profiles that have the correct geometry for the glazing systems into the Frame Library.

- In the Window Library, create the window, referencing the matching frames and glazing systems, including the meeting rail (you cannot "match" the glazing system thicknesses in the meeting rail, so just reference it).

- Calculate the overall product values from this combination of components.

- Close the program, open the W5.ini file, and do the following:

  - Delete the line FrameToleranceGlazingSystemThickness=5

  Or

  - Put a semicolon ";" in front of it which keeps it in the file, but makes it a comment instead of a command. This way it will be there the next time you need to use it.

    ; FrameToleranceGlazingSystemThickness=5