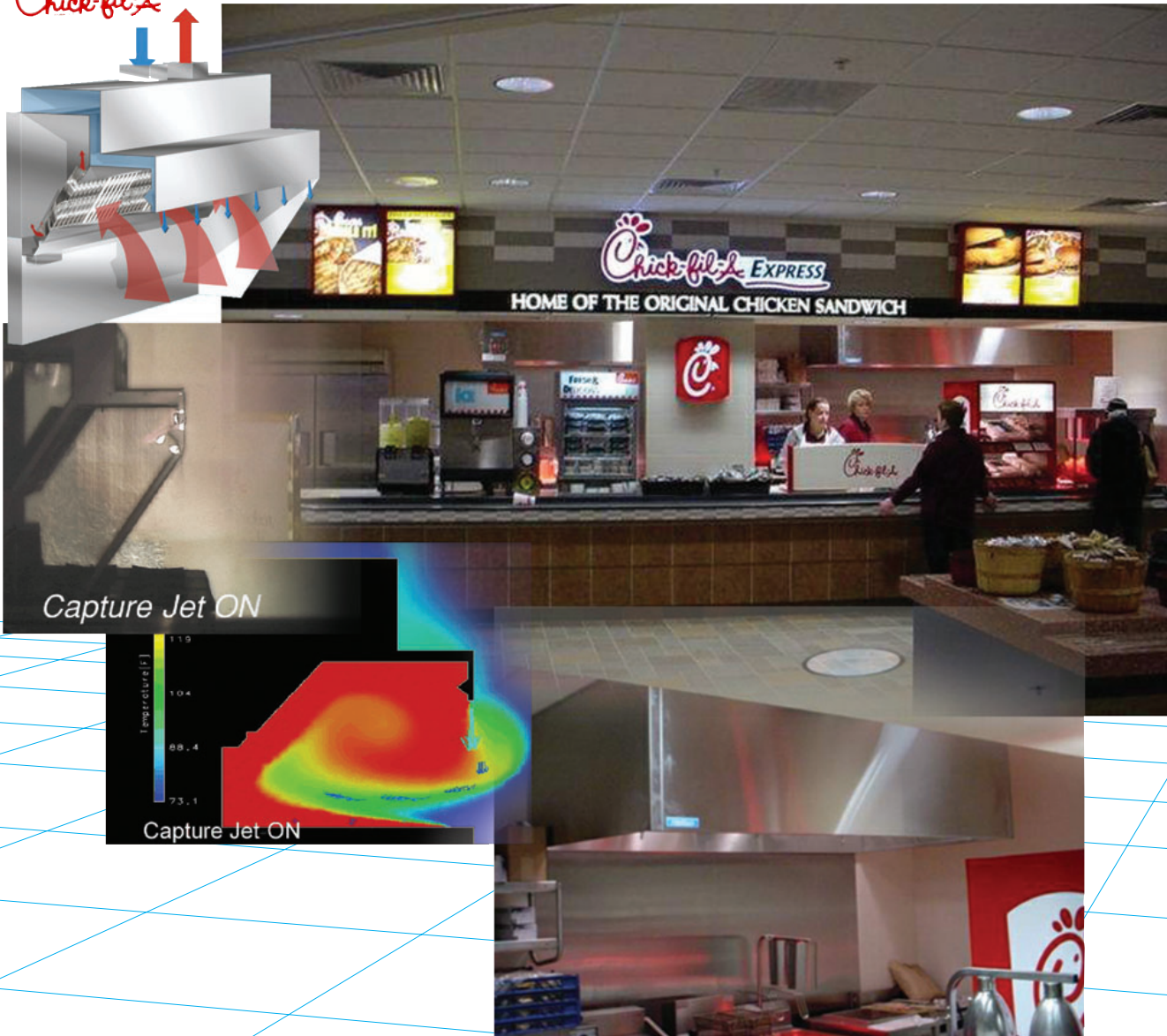




# Halton Indoor Climate Solutions

Chick-fil-A



Capture Jet ON

Capture Jet ON

## Chick-fil-A

In 1946, Mr. Truit Cathy founded a restaurant called the 'Dwarf House'. This founding led to the modern-day restaurant chain 'Chick-fil-A' which today has over 1000 restaurants operating in malls and as individual stores throughout the United States. In 2003, over 60 individual stores and 25 mall stores are scheduled to be constructed.

### Project Description

Chick-fil-A has unique requirements for their restaurants. They have a modern production-cooking kitchen that feeds both sit-down customers and drive-in customers. This combination produces unique pressurisation issues within the building itself. With the drive-in window

opening and closing (it is located adjacent to the window from the production kitchen through to the serving area), drafts that affect the performance of the exhaust hood system have to be controlled. To maintain positive pressure within the building, the challenge for the exhaust system was to capture and contain the emissions and heat from the cooking equipment while maintaining a relatively low exhaust air flow rate to achieve the desired pressure levels.

## Halton Solution

Co-operating with the Chick-fil-A design team, Halton invented and patented a unique 'side Capture Jet arm' that utilises the air zone between the back of the hood and the combustible surface of the wall, extending out towards the front of the hood, and delivering a curtain of air at a calculated tangent. Thus, the exhaust requirements stay low and overcome the drafts created by the window from the kitchen through the combination of serving area and drive-in window. This arm was used in combination with the Halton KVL back shelf hood system that utilises the patented Halton Capture Jet TM. With this combination of technology Halton was able to deliver the required pressurisation in the store and maintain effective capture and containment levels that achieved a comfortable and productive indoor environment.

We Care for Indoor Air

