



# PERIMETER INDUSTRIES, INC.

230 Oxmoor Circle, Suite 1113 \* Birmingham, Alabama 35209  
205-942-1950 \* 800-334-5992 \* Fax 205-942-1982

JOB # 2125

ORIGIN: E & J HOUSE (20,000 square ft - chicken house)

INTEGRATOR: CAGLE FOODS

JOB SCOPE: TO COAT ENTIRE METAL ROOF WITH SUPER THERM & COMPARE TEMPERATURES IN ATTIC WITH NON-SUPER THERM COATED HOUSE

## RESULTS:

Temperatures at 90-95 degrees F, leveled off at ambient temperature under the Super Therm house. Attic temperatures in the non-Super Therm house were 35-40 degrees hotter. Graph data from computer enclosed earlier.

Cell Pak insulation in the Super Therm house looks less than a year old compared to the moisture damaged Cell Pak in the other houses.

A summer 1996 grow out resulted in the first 6.5 pound chicken recorded. Normal (June-September) chicken weight can average between 5.5 pounds to 6 pounds. Information gathered on four houses (1-Super Therm and 3-Metal, 20,000 chickens per house) showed an increase in weight from 5.5 to 5.75. NOTE: The amount of showed increase was determined to be the insulation factor between the Super Therm house and the other three houses. Four other metal houses that E & J own produced the 5.5 average at the same grow out period. E & J won the bonus money each grow out that summer.

The integrator will require new insulation in 5-7 years. This house is now 3 years old. Upon inspection of the Cell Pak in the Super Therm house, no moisture was evident.



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**LOCATION:** Southeastern Food Merchandisers  
201 Parker Drive  
Pelham, Al. 35124

**BUSINESS:** Cold storage facility for Jacks Hamburgers and Subway Foods.

**PROBLEMS:** Considerable amount of rust on the metal dock roof due to the condensation problems occurring between walk-in coolers. This 3000 square ft area is used to load and unload cold food items in which both walk-in coolers are automatically opened when the forklifts go in and out. It looked like a rain forrest year round between the two, making the warehouse floor hazardous for traffic as well as raining on the forklift drivers. Temperatures on the outside ranged from 70 degrees F to 100 degrees F while on the inside, 30 degrees F to 50 degrees F.

**SOLUTION:** During their shut down period we were able to stabilize and dry the metal roof temperature. We coated the 3000 square ft area with Rust Grip, to prevent anymore damage from rust, and finished with Super Therm (7 mils). It was allowed to cure for four (4) days at 90 degrees F before they were back in operation. Today, there are no rust or condensation problems. Due to budget constraints they could not coat their 10,000 and 20,000 square ft coolers but will do one or both in July 1998 (fiscal year).