

Sylvester, Georgia

Project Team

- Owner: ConAgra Foods Inc.
- Design-Build Contractor: The Haskell Company

Structural System

Structural repair to all 19 of the building's frames

- Addition of L2x2x1/8 for flange bracing every 8'0" o.c.
- Addition of PL 3x3/8x2' web stiffeners every 2'0" o.c.
- Addition of PL 3x3/8 for entire span of bottom flange
- Addition of L3x3 for entire span of frame for top flange

Addition of structural supports to transfer load from frames

- TS6x6 for vertical spans greater than 20'0" TS4x4 for other
- TS7x4 was used to transfer load from structure to columns
- Anchored into the slab with 5"x3/4" expansion bolts

Existing Slab on Grade

- Existing slab on grade is 8" 3000 psi concrete
- Reinforced by 4x4 W1.4x1.4 wire mesh

Project Information

- Renovation project of an existing metal building
- Dates: May, 8 to August, 9 of 2007
- Usage: Food processing and distribution
- Size: 200,100 SF
- Cost: \$13.5 Million
- Project Delivery Method: Design-Build



Mechanical and Electrical Systems

- 14 Make-up air units each producing 20,000-25,000 CFM
- 1 Air handling unit with cooling condenser at 2,500 CFM
- (1) 48 gallon, 45,000 BTUH water heater
- (2) 200 KW, 13 GPM @105oF rise instantaneous water heaters
- Panels: (2) 480V motor control centers, (3) 480V panels, and (2) 480V to 120/208V transformers
- Fully sprinkled wet fire system



<http://www.arche.psu.edu/thesis/portfolios/2008/jmg494/>