

GLEANERS INDIANAPOLIS, INDIANA



DESCRIPTION

An 18,000 square foot freezer with a 6" reinforced concrete slab to AIB specifications with an operating range of 0°-10° Fahrenheit. The freezer is constructed of 4" insulated metal panels. The ceiling consists of 5" insulated metal panels with non-freezer ESFR fire protection sprinkler heads. There are three (3) 8' x 11' freezer grade high speed overhead doors.

The floor slab is heated with a Glycol system which consists of hundreds of individual glycol tubes which are installed over the mud slab. Rigid insulation is installed over mud slab and Glycol tubes. The floor slab is placed directly on top of the rigid insulation in small sections (approx. 400 SF) then infilled with the final pour around the smaller pours. The slab is reinforced with #3 bar tied into 6x6 mesh fabric.

The Glycol system is complete with a sophisticated control system which features an alarm system which is tied into several monitoring points in the freezer. The sensors are checking temperatures every three seconds for variations outside the freezer limits.

CHALLENGES

Remodeling an existing cooler to accommodate the new freezer. Meeting the customer's aggressive schedule despite prolonged design and funding delays. Coordinating intense construction activity with multiple subs in a confined work space.

ROLE

Construction Manager at-risk

ACCOMPLISHMENTS

Completed on time and under budget

OWNER

Gleaners Food Bank

ARCHITECT

Architectural Alliance, Inc.