

Project Summary

Client: ISD Food Bank

Project: Cooler and Freezer Installation

Location: Conroe, TX

Project Type: Commercial Refrigeration System Installation

Status: Completed – 4/2025

Scope of Work

The project involves the complete installation of a two-compartment cooler and freezer system for a commercial facility. The work includes structural installation, equipment procurement, and full mechanical system integration.

Installation Overview:

- **Walk-In Structure:**
 - Installed (1) 12' x 18' x 10' two-compartment unit, housing both cooler and freezer spaces
 - Installed separate 6' x 12' cooler and 12' x 12' freezer compartments
 - Freezer includes a 4" reinforced insulated floor with aluminum diamond plate finish for durability and safety
 - Supplied and installed (1) ramp at the freezer doorway for ease of access
- **Refrigeration Equipment:**
 - Installed (1) 7,500 BTUH cooler and (1) 11,000 BTUH freezer scroll condensing unit
 - Matching indoor unit coolers provided for each compartment
 - Trenton ESP+ refrigeration equipment provided as specified for reliability and energy efficiency
- **Additional Components:**
 - Installed (1) 36' Mars Air Door at designated opening to reduce thermal loss and enhance energy savings
 - Furnished and installed (2) 36" x 84" insulated swing doors for cooler and freezer compartments
- **Mechanical & Commissioning:**
 - Furnished and installed all refrigeration piping, insulation, hardware, and jacketing as required for a complete, code-compliant system
 - Performed full system evacuation and charging with refrigerant R-448A
 - Completed full equipment startup, testing, and adjustment to ensure operational readiness

Outcome:

This project delivers a fully functional and energy-efficient refrigeration system tailored for commercial cold storage operations. With premium Trenton ESP+ components and professional-grade construction, the client benefits from reliable temperature control, reduced energy costs, and durable design built to meet long-term operational demands.

