

# FIELD REPORT

## MAINTENANCE-FREE PP-RCT SYSTEM EASES STRAIN FOR SCHOOL DISTRICT



Thermoplastic pipe for ice storage air conditioning...a perfect match.

### A Maintenance Nightmare

The school district in Stuart, Florida uses ice storage systems for air conditioning on their campuses. A chiller produces an ice pile at night and water circulates through the pile to create the chilled water that cools the buildings.

However, aging and corroding pipes were becoming a maintenance nightmare. That left administrators looking for fresh options to ease the strain. "The maintenance crews at the schools are overwhelmed," explained Zane Lowery, project manager with Grimes Air Conditioning. "They needed a low-maintenance pipe option that could withstand the pressure and be installed quickly."

At the Martin County High School, the need to get the work done while school was out of session created a short window of opportunity to get the new system in place.

### The PP-RCT Solution

ISCO Industries' PP-RCT product was specified for the job. It's a thermoplastic that uses fusion welding to join the pipe and fittings, creating a monolithic system that is leak-free. The welding process also eliminates the need for harmful chemicals like glues or solvents. The material is 100% recyclable and environmentally friendly. It will also last longer than traditional pipe materials due to its corrosion-resistance. It's designed to provide up to 100 years of service life.

ISCO sales rep Deron Zeppelin worked with Lowery to provide PP-RCT DR11 (1 1/4 to 10-inch pipe). "ISCO provided great support and professional advice," Lowery explained. "They were able to save us some time with

pre-fabrication options. It was a great overall experience as well as an educational one."

The ISCO team provided pre-fabrication on 10 spools to speed up the installation time while students were out of school. ISCO also provides fusion equipment and training for customers. In the end, the maintenance team won't have to spend time patching up leaks on old pipes. The PP-RCT system will last for many years to come, providing reliable service to keep the school cool.

**To see how PP-RCT can work for you, visit:**  
[www.iscopolypro.com](http://www.iscopolypro.com)

### PROJECT

Martin County High School Ice Storage A/C pipe system

### LOCATION

Stuart, Florida

### PP-RCT SOLUTION

PP-RCT DR11 250-40mm

### ENGINEER

JLRD Engineering Firm

### CONTRACTOR

Grimes A/C

