

## PROJECT PROFILE:

# WALL STABILIZATION

### THE RHODIA BUILDING

A 3 story brick building originally constructed in 1910 had many additions throughout the years. Over the last 10 plus years, there was a great deal of water penetration in the north building wall. The water penetration, combined with the expansive material being produced in the building, caused the wall on the 1st floor of the building to deteriorate to the point of becoming structurally unsound.



### A CHALLENGING ENDEAVOR

The job called for the wall at the 1st floor elevation to be replaced with 25 steel columns and then rebricked, while maintaining support for the two stories of wall above the first floor.



### MEETING JOB REQUIREMENTS

The work was done in phases by removing small narrow sections of wall spread across the wall and installing 6 columns in each phase. First, the strips of wall were demolished. Next, steel plates were installed at the column base and column head. Then, the steel columns were maneuvered into place and grouted. The wall stabilization was completed in a total of 4 phases and then bricked up.

### A DIFFICULT TASK COMPLETED

Aside from the challenging nature of the work itself, Raffin was required to work around the functioning plant and to complete this work within 2 1/2 months. Due to our pre-job planning, we were able to complete the job safely for both our personnel as well as the plant personnel and within the time frame allotted for the project.

