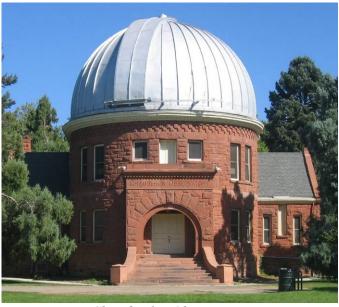
## **PROJECT**

Chamberlin Observatory Denver, Colorado

## **CLIENT**

University of Denver Denver, Colorado



Chamberlin Observatory

## PROJECT DESCRIPTION

The Chamberlin Observatory designed by Robert S. Roeschlaub, one of Denver's first architects, was completed in 1894. The building has been in continuous use since its construction as a working observatory and is occasionally open to the public. Atkinson-Noland & Associates was involved in several project phases involved with stabilizing the main telescope support column, injection grouting of foundation walls to reduce moisture penetration, and an exterior condition survey.



Stone deterioration at roof

## SERVICES PROVIDED BY ATKINSON-NOLAND

- Evaluation of the building's stone foundation using borescope investigations
- Identifying voids in the foundation wall and generating a typical wall section
- Mapping mortar hardness throughout using a pendulum hammer on original and repointing mortars
- Laboratory development of materials and protocols for foundation stabilization using Compatible Injection Fill (CIF) injection
- Metal detection for stone anchors
- Identify stone distress and provide repair recommendations