

PROJECT

Montrose Post Office
Stone Masonry Evaluation and Repair
Specification
Montrose, Colorado

CLIENT

Eric Smith Associates
Boulder, Colorado



PROJECT DESCRIPTION

Renovation of a 1930-era U.S. Post Office building in Montrose, Colorado, required an evaluation of the structure. The main building was constructed of clay brick bearing walls with a veneer of manufactured stone above grade and granite below grade. An investigation of existing mortar consisted of a visual survey, test drilling, and mortar petrographic analysis to identify deteriorated areas and classify mortar type. Cracks in the stones themselves and in concrete window wells were identified for repair.

Specifications were prepared detailing repointing procedures for deteriorated mortar joints. Ingredients and proportions for repointing mortar were based upon results of mortar petrographic analysis. Recommendations for repairing cracked stones and concrete were provided. An existing wheelchair ramp was also re-designed for compliance with ADA standards.

SERVICES PROVIDED BY ATKINSON-NOLAND

- Visual survey and test drilling of mortar to classify deterioration
- Identification of stone deterioration
- Specification of repair materials and techniques, including repointing mortar and crack repair
- Condition assessment of concrete in window wells
- Design of wheelchair ramp to comply with ADA regulations



Atkinson-Noland & Associates
Consulting Engineers
www.ana-usa.com

2619 Spruce Street
Boulder, CO 80302
303.444.3620

32 Old Slip, 10th Floor
New York, NY 10005
917.647.9530