



Existing Visible Distress for Prototype Wall Replacement

Client:

Terrace Square Condominium Association

Scope of work:

As part of HAG's inspection work at Terrace Square Condominiums, a multi-floor test area of distressed exterior face brick was removed at one building for several reasons. The representative condition of the masonry was inspected by our team and digitally photographed to record the current construction of the wall. A latent construction defect, creating a common source point for water infiltration through walls of this type, was observed. Masonry materials were collected for laboratory testing confirmed that original brick was sound.

With this information, a team that included The Structural Shop (consulting engineers) developed a prototypical method to match and most efficiently repair similar conditions of this type, when it is to be encountered as part of future work for the buildings. Repair work involved replacing the existing multi-wythe header brick assemblies with standard running bond face brick set onto flashed steel shelf angles.



Prototype Wall Replacement in Progress



Shelf Angle Installation at Prototype Wall Assembly