
DAVIDSON & ASSOCIATES

CONSTRUCTION ANALYSTS, INC

Montgomery County Public Safety Training Facility Quality Assurance



Montgomery County Public Safety Training Facility is multi-building complex of over 15 buildings with 286,500 SF in Gaithersburg, MD. The facility has an Academic building as well as various buildings for training the Fire and Police Departments, which include a parking structure, a Fire Department Apparatus building, burn buildings and cityscapes of various sizes and canine training facilities.

Challenge: Provide quality assurance for multiple building under construction simultaneously, utilizing various exterior façade assemblies and building types during severe winter conditions. Ensure that materials are being installed in compliance with manufactures requirements.

Value Added: Davidson’s review of the on-site mock-up identified framing installed up-side down, not in compliance with the approved shop drawings. D&A verified appropriate temperature conditions for installation of exterior façade materials due the extreme winter conditions including cold weather masonry installations conditions which required heating sand and water as well as tenting areas and temporary heat. During site observations, deficiencies included: metal panel deficiencies, loose transition strips at masonry control joints, mortar blocking control joints, damaged through wall flashing, damaged air barrier at windows, wall sheathing attachment deficiencies, incorrect spacing of roofing fasteners, damaged fireproofing and damaged mechanical equipment.

Service performed: Quality Assurance of the exterior skin.

Owner: Montgomery County, MD

Architect: Baker and Associates

Building Contractor: Hess Construction

Lemay EricksonWillcox, Architects