



FITZGERALD

PARKING GARAGE

Meyer Consulting Engineers

New Construction, under \$25M
Gaithersburg, MD

Katinas Bruckwick Architecture, Architect
Porter Construction, Inc., Contractor

The new free standing four and one-half level precast framed parking structure at Fitzgerald Auto Mall premises in Gaithersburg, Maryland has a gross area of 275,385 SF that is topped by a pre-engineered metal framing whose roof supports a 45,168 SF solar array. This array can produce 83% of the dealership's electrical needs while generating more than 90,000 kilowatt-hours each month. The precast framed portion of the garage houses 757 vehicles, most of which serve as inventory for the dealership. The project also included a large site retaining walls as well as interior garage retaining walls. The structure is supported by a shallow foundation system. The garage has two sets of staircases as means of egress. The mostly glass-enclosed eastside stair shaft fits with the overall design of the parking structure that presents an aesthetically pleasant outlook while blending into the overall architecture of the rest of the existing buildings in the Auto Mall.

