MEMORIAL VISTA

// A North Virginia Office Building

Façade // 7 different types of Glazing, precast concrete panels, & metal paneling

Roof System // Pavers, fluid - applied liquid membrane topped with stone, & some rooftop planters

Sustainability // LEED Gold - targeted to achieve 60 points

Design // Core and Shell - Interior fit out will be complete after base build

Priorities // Quality and Security

Number of Elevators // 14

System // 3 transformers at 3750 kVA to 3 4000 A switchboards in Garage

|| Bus-ways run feeders to panel boards on each floor

// 2 panel boars on each floor (1 in each wing)

Voltage Needed // 208 / 120 V

Emergency Back-up // ATS puts building on battery banks for short term

// Diesel generator then powers 2500 A emergency distribution panel to allow 100A fire pump, 250 A life safety loads, and 2500A stand by loads to continue to run Structure Composition // Concrete

Method // Flat Plate Slabs with drop panels at columns // Post tensioning above Lobby & Multipurpose Space

Formwork // Peri SKYDECK panels

Concrete Placement // Crane and Bucket & Pump truck

System // Water to Air system

// 2 AHU's per floor branching to VAV units

// 2 Closed loops—1 for condenser water & 1 for chilled water

Components // 2 Cooling Towers, 2 Chillers, & 1 Heat Exchanger

Fire Safety // CPCV piping and wet standpipes in heated spaces

// Dry standpipes in unheated spaces (garage)

oject Info

Function // Office Building

Size // 322,725 Gross S.F.

Building Height // 5 Stories above grade on North Wing // 6 Stories above grade on South Wing

// 2 Underground levels (parking)

Dates of Construction // April 2011—October 2013

Overall Project Cost // \$78.5 Million

Project Delivery Method // CM at Risk w/ GMP

