



Army National Guard Readiness Center

Arlington, Virginia

Arne Kvinnesland | Construction Management

Project Team

Owner: Army National Guard
General Contractor: Tompkins Builders, Inc.
Architect: CH2M Hill, AECOM
Engineer: AECOM

Structural System

- Cast-In-Place Concrete and Structural Steel
 - Shear Wall lateral bracing system
- Multi-layer mat slab foundation system
 - Typical Bay Size: 20'x25' - 20'x30'
 - Typical Column Size: 1'-10"x1'-10"
 - Structural Steel: HSS Type

Project Overview

Function: Comm/Office/Federal
Size: 251,500 sf office building
435 space parking garage
Stories:
Office Building: 3 stories below grade
5 stories above grade
Parking Garage: 3.5 stories below grade
1.5 stories above grade
Cost: \$100,000,000
Delivery Method: Design-Bid-Build

Mechanical System

- Hydronic four-pipe heating and chilled water
- AHUs and VAV terminal units on each floor
 - Building Automation System controls individual FCUs throughout each floor
 - Mechanical Room on each floor housing Air Handling Units
- Emergency generators and Energy Recovery Units in Mechanical Penthouse

Electrical System

- 35.4kV Total Utility Load
- (2) 15kV medium voltage feeders at building
- 480/277, 3 phase, 4 wire system in building
- 208/120, 3 phase, 4 wire lighting system
- (2) 1500 kW diesel-powered generators back-up power

