

CityCenterDC | Parcel 1

Washington, D.C.

Size: 257,500 sq. ft.

Stories: 12

Function: Office & Retail

Delivery Method:

Design-Bid-Build

Construction Dates: 1/12 - 6/13

Owner: Hines-Archstone

GC: Clark-Smoot

Architect: Foster + Partners

Civil Engineer: Delon Hampton & Assoc.

Structural Engineer: SK&A

MEP Engineers: Tolk, Inc.

Electrical Contractor: Truland

Mechanical Contractor: Madison



Architecture

- Part of six building development in center of Washington, D.C.
- One of two identical office buildings
- Curtain wall enclosure
- First two floors used for retail space

Mechanical System

- Utilizes a chilled water cooling system
- 3 cooling towers
- Chilled water AHUs every floor
- Fan powered terminal units and VAV boxes
- Electric heat

Electrical System

- 480/277V
- (1) 4000A & (1) 3000A switchboard
- 750kW emergency generator
- Electrical room every floor



Construction

- On-site concrete batch plant
- Built simultaneously with remaining five buildings
- 7 total tower cranes for project
- Shared foundation/garage

Structural

- Cast-in-place concrete
- 8" post-tensioned slabs with 6" drop panels at columns
- Interior core shear walls

Special Thanks To:

Hines

**CLARK
CONSTRUCTION**

TRULAND
BEYOND CURRENT

Andy Penev | CM Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2013/ahp5034/index.html>