

Parkridge Center - Phase VI

Reston, VA

General Statistics:

Size: **226,000 sq.ft.**

Stories: **7**

Delivery Method: **Design-Bid-Build**

Codes:

- **BOCA 1996**

- **IBC 2000**

- **2000 IPC**

Zoning: **Fairfax County Zoning Ordinance, I-3**

Project Team:

Owner: **Walker & Company**

Architects: **Hickok Warner Cole Architects**

Structural: **Structural Design Group, LTD.**

MEP: **Girard Engineering**

Civil: **William H. Gordon Associates, Inc.**

Building Specifications: **Ronald M. Beard CCS, LLC**

Landscape Consultant: **Parker Rodriguez**

Architecture:

- Sloping Columns on the south face
- Sky garden
- Arcade along the north face
- Exterior facade made up of a series of precast brick and concrete panels.



Structural:

- Composite Floor System over W16 interior beams and W18-W21 Girders.
- All Beams are cambered at 1-1/4"
- The Main Lateral System consists of braced frames
 - The cross bracing of the frames are HSS 8X8 and HSS 10X10
- The Columns on the south face are sloped outward from the ground up.
- The foundation is made up of shallow strip footings

Lighting/Electrical:

- (2) 3000A 480/277 3 Phase 4W main switchboards
- The electrical lines enter the building through (12) 4" PVC schedule 40 conduits encased in concrete.
- (2) 2000A Plug-in busways transfer power to each floors (4) 400A Panelboards and 112.5 KVA Transformers
- The lighting of each floor will be done by the individual Tenants
- There is a 350 KW 480/277V 3 Phase 4W Diesel Emergency Generator.

Mechanical:

- Variable Air Volume System
- (2) main supply trunks to each floor serviced by the main air handling units (AHU) on the roof
- The ground floor lobby area is serviced by a separate AHU.



Don Bockoven

<http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/DNB132/>

Structural