



<http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/MVA1071>

Structural:

- Slab on Grade with C.I.P. piers, foundation walls, and grade beams.
- Structural Steel Skeleton above grade
- Shear walls used for below grade support
- Glass curtain wall, and pre-cast panels connected to steel for facade

Mechanical:

- (2) 200 Ton Chillers with condenser and evaporator
- (2) Cooling Towers
- Heat Recovery Unit
- 8000cfm ah
- 25000cfm ah
- (3) 22000cfm ah
- 23000cfm ah

Architecture:

- Glass curtain wall consisting of seven different types of glass including two storefront glasses, three different glass finishes, and two spandrel glasses.
- The remaining facades are three different types of pre-cast concrete. Each is a different shade of grey. The darkest of which is used to emphasize aspects of the facades.
- Small Metal Panels will also be included on the curtain wall and facades. They provide no structural support but help highlight the building.

Lighting Electrical:

The lighting electrical is a separate bid and is still in the design phase.

Building Overview:

Name: American Speech Language -Hearing Assoc. National Headquarters
Location: Rockville, MD
Use: Office Space
137,000 Sq. Ft.
5 Stories Above Grade 2 Below Grade
Project Costs: \$23 Million
LEED Silver Rating
Construction: July '06 – October '07

Project Team:

Owner: American Speech Language – Hearing Assoc.
Developer: AtSite Construction
Construction Manager: Davis
Architect: Boggs and Partners
Structural Engineer: Cagley and Associates
MEP Engineer: Vanderweil

