**Project and Designer Information:**

**Region:** Central North Carolina

**School Information:**

- Property (DSP) No:
- Design Capacity:
- Core Capacity:
- Grade Organization:

**Architect:**

WHN Architects, PA
330 West 10th Street, Charlotte, NC 28202
Phone: 704-333-9952 FAX: 704-333-9952
Email: info@whnarch.com
Web Site: www.whnarch.com

**Other Recent Prototype Locations:**

Times Prototype has been Constructed: 5

**Construction Costs & Building Area:**

(Does not include, land, legal, design fees, testing or furnishings)

<table>
<thead>
<tr>
<th>Construction Cost</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Bid Cost</td>
<td>$0.00</td>
</tr>
<tr>
<td>Architectural Building Area</td>
<td>81473 sq ft</td>
</tr>
<tr>
<td>Assignable Area</td>
<td>68268 sq ft</td>
</tr>
<tr>
<td>Assignable To Total Architectural Area Efficiency</td>
<td>71.51%</td>
</tr>
<tr>
<td>Cost per Assignable Square Foot</td>
<td>$222.02</td>
</tr>
<tr>
<td>Cost per Total Architectural Square Foot</td>
<td>$158.76</td>
</tr>
<tr>
<td>Cost per Student</td>
<td>$16,170.00</td>
</tr>
<tr>
<td>Special Costs Included in Bid</td>
<td>$360,000.00</td>
</tr>
</tbody>
</table>

**Description of Special Costs: Science & Engineering Upgrades ($50,000) Walking Trail ($300,000)**

**Site Acreage:**

- 116

**Construction Information:**

- Building Code: NCBC 2012
- Construction Type:
- Roof:
  - Load bearing masonry, bar joists & metal deck with built-up roof
  - Built-up Asphalt/Metal
- Number of Floors: 1
- Number of Separate Buildings: 1
- Heating Fuel: Natural Gas
- Heating & Air Conditioning: Boiler/chiller 4-pipe

**Design Consultants:**

- Civil: Brian Cannella; Site Solutions Charlotte, NC 28208
- Structural: Chris Heron; Stewart Inc Charlotte, NC 28202
- Electrical: Phillip Whitfield; McKim & Creed Engineers Charlotte, NC 28212
- Plumbing/Mechanical: Martin Boyer; McKim & Creed Engineers Charlotte, NC 28212
- Other Consultant: Reggie Daniel; Daniel Design Inc. Charlotte, NC 28205

**Designer and Owner Comments:**

**Designer Comments:** This is a one-story brick and block building with three classroom wings, one for K-1 classrooms and the other two for grades 2 through 5. All classrooms have three windows for light and ventilation. This building can be easily modified to suit different requirements of the location. For instance, a larger gymnasium can be added for shared use. The building can be rotated or the floor plan flipped to accommodate different site constraints. This building originally contained around 90,000 square feet. In an effort to reduce cost, Charlotte-Mecklenburg Schools asked WHN to reduce classroom sizes to the current sizes.

**Owner Comments:** This design is very efficient and practical to fund. CMS is currently reviewing their education requirements and will review these new guidelines to see if modifications in room sizes need to be changed. To date, the school district is very satisfied with this design. Mike Higgins, Project Manager.