**Project and Designer Information:**

- **Region:** Central North Carolina
- **School Name:** 800 Student Elementary School
- **Property (DSP) No:**
- **Design Capacity:**
- **Core Capacity:**
- **Grade Organization:**

**Architect:**

Moseley Architects
3000 RDU Center Drive Suite 217, Raleigh, NC 27610
Phone: 919-640-0991 FAX: 919-640-0045
Email: cdcoppel@moseleyarchitects.com
Web Site: http://www.moseleyarchitects.com

**Other Recent Prototype Locations:**

Times Prototype has been Constructed: 7

**Construction Costs & Building Area:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Bids Received</td>
<td>6/28/2007</td>
</tr>
<tr>
<td>Construction Bid Cost</td>
<td>$12,955,500.00</td>
</tr>
<tr>
<td>Architectural Building Area</td>
<td>81413 sq.ft.</td>
</tr>
<tr>
<td>Assignable Area</td>
<td>68600 sq.ft.</td>
</tr>
<tr>
<td>Assignable To Total Architectural Area Efficiency</td>
<td>84.26%</td>
</tr>
<tr>
<td>Cost per Assignable Square Foot</td>
<td>$188.86</td>
</tr>
<tr>
<td>Cost per Total Architectural Square Foot</td>
<td>$159.15</td>
</tr>
<tr>
<td>Cost per Student</td>
<td>$14082.07</td>
</tr>
<tr>
<td>Total Building Footprint (total all floors) Area</td>
<td>57061 sq.ft.</td>
</tr>
<tr>
<td>Site Acreage</td>
<td>35</td>
</tr>
</tbody>
</table>

**Construction Information:**

- **Building Code Construction Type:** II-B 2006 NCBC
- **Construction Description:** Brick veneer and EFIS with steel stud backup, interior steel stud partitions with gypsum wall board finishes.
- **Roof:** Standing Seam Metal Roof / TPO
- **Number of Floors:** 1
- **Number of Separate Buildings:** 1
- **Heating Fuel:** Natural Gas
- **Heating & Air Conditioning:** 4 Pipe VAV

**Design Consultants:**

- **Civil:** McKlin & Creed, Charlotte, NC 28227
- **Structural:** Laurene & Rickner, P.C., Charlotte, NC 28217
- **Electrical:** Consultant Engineering Service, Inc., Winston Salem, NC 27101
- **Plumbing/Mechanical:** Consultant Engineering Service, Inc., Winston Salem, NC 27101

**Designer and Owner Comments:**

**Designer Comments:** The Elementary School is the Union County Public Schools' third in a generation of what might be called an "eco-light" prototype, a learning space designed with several cost-conscious, sustainable features. The layout was designed centered to a North-South axis to allow for day lighting strategies utilized in classrooms, corridors, and some support spaces. The main corridor "Main Street" divides the building into two core groups. One for the support spaces comprising of administration, media/technology, the gymnasium, dining, and the kitchen. The other group consists of the three classroom wings. High clerestory windows along the "Main Street" allow natural light into the corridor. The light is reflected off of sloped ceiling panels onto a vibrant wall that house the entrances to the support spaces. The irregular ceiling and vibrant wall stays off of the other small wall to allow for greater enhancement of the corridor as you walk through it. Colors are lit up by natural light with very little need for artificial lighting.

**Owner Comments:**