

<b>Project and Designer Information:</b>	
<b>Region:</b>	Central North Carolina
<b>School Information:</b>	<b>864 Student Elementary School</b>
Property (DSP) No:	<b>600-4548</b>
Design Capacity:	<b>864 Students</b>
Core Capacity:	<b>904 Students</b>
Grade Organization:	<b>K-5</b>
<b>Architect:</b>	Cort Architectural Group 239 Haywood Street, Asheville, NC 28801 Phone: 828 251-5100 FAX: 828 252-8535 Email: <a href="mailto:plan@cortaia.com">plan@cortaia.com</a> Web Site: <a href="http://www.cortaia.com">http://www.cortaia.com</a>
<b>Other Recent Prototype Locations:</b>	
Times Prototype has been Constructed : 1	
<b>Construction Costs &amp; Building Area:</b> (Does not include, land, legal, design fees, testing or furnishings)	
Date Bids Received:	5/1/2007
Construction Bid Cost:	\$10,656,000.00
Architectural Building Area:	80633sq.ft.
Assignable Area	59780sq.ft.
Assignable To Total Architectural Area Efficiency	74.14%
Cost per Assignable Square Foot	\$178.25
Cost per Total Architectural Square Foot	\$132.15
Cost per Student	\$13,320.00
Special Costs Included in Bid	\$248,800.00
Description of Special Costs: Data \$91,400 Fire Prot \$157,400	
Total Building Footprint (total all floors) Area	77445sq.ft.
Site Acreage:	25
<b>Construction Information:</b>	
Building Code Construction Type:	II-B
Construction Description:	Load bearing masonry, Bar joist
Roof:	Built-up
Number of Floors:	1
Number of Separate Buildings:	1
Heating Fuel:	Natural Gas
Heating & Air Conditioning:	Rooftop package units
Technology Infrastructure:	Fiber optic spine / Cat 5
<b>Design Consultants:</b>	
Civil:	Site Studio Charlotte NC 28208
Structural:	Sutton-Kennerly Associates Asheville NC 28814
Electrical:	United Engineering Group Charlotte NC 28204
Plumbing/Mechanical:	United Engineering Group Charlotte NC 28204
Other Consultant:	Herbin Design (Kitchen Design) Charlotte NC 28212
<b>Designer and Owner Comments:</b>	
<p><b>Designer Comments:</b> For the school district, a typical new elementary school has a capacity of 800 students and a "footprint" of 90,000 to 95,000 square feet (measured to outside face of walls), when designed according to their 2005 Design Guide. The goal at the Elementary School was to design an 800-student prototype school, reduce the footprint to 80,000 square feet, and maintain the minimum program areas established in the Design Guide. To accomplish this, the prototype design minimizes non-program area by proportioning classrooms to reduce corridor length, assuring that all corridors are "double loaded", and providing the minimum number of plumbing fixtures possible by locating them so that no additional fixtures are needed to meet travel distance or assembly area requirements. This prototype also offers two ways of eliminating mechanical rooms. The building can be constructed with a low-slope roof and rooftop package units, or with a high-slope roof and continuous mechanical platforms above the corridors. These platforms provide mounting locations and service access for air handlers and VAV boxes, or for water-source heat pumps. The sloped roof deck is covered with nail-based insulation and can be finished with either standing seam metal or fiberglass shingles. The Hucks Road school has a low-slope roof and rooftop units, the current standard for Charlotte-Mecklenburg Schools. The major elements of the building - Classroom wings, Admin/Media, Multipurpose/Dining - are designed such that they can be easily rearranged, altering the shape of the floor plan and the directions from which cars, busses and service trucks approach the building. This prototype plan can be quickly changed to conform to varying conditions from site to site.</p>	
<b>Owner Comments:</b>	