

<b>Project and Designer Information:</b>		
<b>Region:</b>		Central North Carolina
<b>School Information:</b>		<b>946 Student Elementary School</b>
Property (DSP) No: Design Capacity: Core Capacity: Grade Organization:		<b>130-4683</b> <b>946 Students</b> <b>975 Students</b> <b>Pre-K - 5</b>
<b>Architect:</b>		Boomerang Design 6131 Falls of Neuse Ste. 204, Raleigh, NC 27609 Phone: (919) 573-6400 FAX: (919) 573-6495 Email: <a href="mailto:info@thinkboomerang.com">info@thinkboomerang.com</a> Web Site: <a href="http://www.thinkboomerang.com">www.thinkboomerang.com</a>
<b>Other Recent Prototype Locations:</b>		
Times Prototype has been Constructed : 6		
<b>Construction Costs &amp; Building Area:</b> (Does not include, land, legal, design fees, testing or furnishings)		
Date Bids Received:		9/24/2009
Construction Bid Cost:		\$10,799,012.00
Architectural Building Area:		77066sq.ft.
Assignable Area		77066sq.ft.
Assignable To Total Architectural Area Efficiency		100.00%
Cost per Assignable Square Foot		\$140.13
Cost per Total Architectural Square Foot		\$140.13
Cost per Student		\$11,415.45
Total Building Footprint (total all floors) Area		111196sq.ft.
Site Acreage:		24
<b>Construction Information:</b>		
Building Code Construction Type:		Type II B
Construction Description:		Steel frame two-story classroom wing and load-bearing masonry for core building and vertical circulation enclosures
Roof:		PVC
Number of Floors:		1 - 3
Number of Separate Buildings:		2
Heating Fuel:		Electric
Heating & Air Conditioning:		VAV packaged rooftop DX units
<b>Design Consultants:</b>		
Civil:	Turnbull Sigmon Design Charlotte, NC 28203	
Structural:	King Guinn Associates Charlotte, NC 28206	
Electrical:	McKnight Smith Ward Griffin Engineers, Inc. Charlotte, NC 28224	
Plumbing/Mechanical:	McKnight Smith Ward Griffin Engineers, Inc. Charlotte, NC 28224	
Other Consultant:	Foodesign Associates Charlotte, NC 28227	
<b>Designer and Owner Comments:</b>		
<b>Designer Comments:</b> The prototype was designed for construction in a one, two or three story configuration for student populations ranging from 700 students to 1,000 students. The design concept features two distinct buildings, a 1-story building containing core functions along with the primary grade classrooms and a 2-story building containing the grade 2-5 classrooms. The plan configuration is understandable for young students, easy to navigate and way finding for the students is logical. The core area of the building is divided in four quadrants organized on a wide clerestory lit entry commons. The common acts as an organizing and lobby space for the Administration, Cafeteria and Multi-purpose Room. The Common can be closed off from the remainder of the school for after hours activities and provides a central orientation area for the core spaces of the school. The main entry features a secure entry vestibule used for routing of visitors & parents through the Administration Reception area once the school day has begun. The entry to the classroom building is a wide hall between the Media Center and the Administration. The Media Center and Arts spaces are located closest to the classrooms for easy transition of young students. Media Center is a high bay space with clerestory windows to bring daylight into the space. All classrooms have large exterior windows for daylight harvesting. The design of classroom building is simple and repeated on two floors. All classrooms are the same size and the rooms on each floor are configured identically, allowing for flexibility of grade level configuration as populations shift. All classrooms are paired and feature a shared teacher support space. This prototype was constructed using a steel frame for the two-story classroom wing and load-bearing masonry for core building and vertical circulation enclosures. Exterior building finishes are two color brick veneer for majority of building and insulated metal panels on the upper portion of gymnasium & media center. The roof is a low slope PVC. All interior walls are masonry with the exception of the classroom demising walls and the walls of the Administration suite.		
<b>Owner Comments:</b>		