



Project Location:
New Port Richey, FL

Distributor:
Coloroc Building Materials,
Tampa, FL

Architect:
Charles S. Partin, AIA, PA

Completion Date:
1988

Construction Manager:
Construction Control



In 1986 Charles Partin was tasked with developing a prototype elementary school for the Pasco County, FL school system. As with any school, long term durability and great aesthetics were an absolute requirement. The real challenge was to meet an always tight construction budget as it pertains to initial cost without simultaneously sacrificing long term maintenance costs.

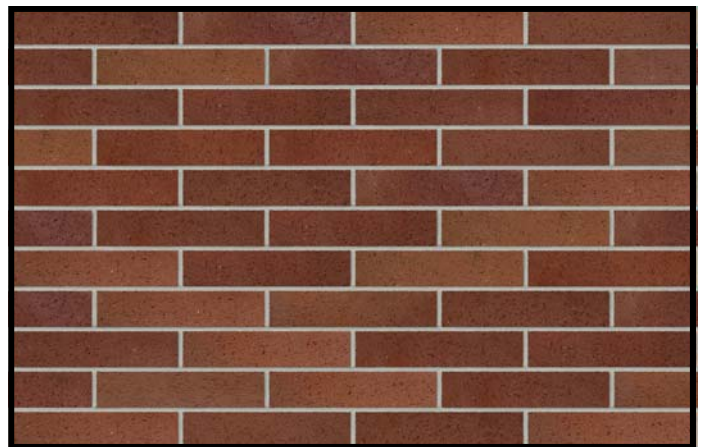
In a stellar example of how efficient design usually establishes the path towards timely schedule and practical constructability, the solution was found to be a structural wall system incorporating Atlas™ brick from

Seven Springs Elem. School

Interstate. The brick provided several key advantages unavailable to competitive wall systems. Because the decision was made to incorporate the product as a load bearing single-wythe application, the time and associated costs of framing carpenters, drywall hangers, painters and other trades were eliminated. Additionally, because Interstate produces Atlas™ Brick with two finished faces, both the interior and exterior finishes were left exposed. This highlighted the hard fired and durable ceramic finish, thereby ensuring extremely low maintenance for a lifetime of fire resistant, quiet classrooms.

Reduce trades and save!

By embracing this one step, one trade philosophy the Pasco County community is today able to enjoy three additional such schools using Atlas™ brick. Despite each of these four schools being built at the lowest \$/SF any school erected in the state of Florida during the years that they were constructed, the quality of materials was actually improved.



Clay roof tile from Venezuela was even installed in keeping with this sustainable design strategy. In addition, life cycle costs are now measurably reduced by taking advantage of thermal lag (also known as the Adobe effect) to control peak heating and cooling demand, while a paint free finish ensures a reduced maintenance staff. It can also be noted that each School provides double duty by also serving the community as storm shelters, offering protection through numerous hurricanes over the past two decades (and sustaining several direct hits) without any visible damage or moisture related issues.



INTERSTATE® BRICK

Seven Springs Elem School

“At my prior school (CMU) I purchased paint in 55 gallon drums. With structural brick I have no need to budget for paint at all.”

Eddie Flicker
Maintenance Superintendent



Project Particulars:

Brick sizes used:
8"x4"x16" Atlas™

Brick colors used:
Baja Brown

Total unit quantity:
242,000

Total brick wall area:
107,600 SF

Total project floor area:
77,800 SF/12 buildings

Special shapes:
Radial Atlas™ shapes at columns and downspouts.

Net waste:
approximately 3%

Note this:
Structural brick allows this school to serve the community as a hurricane shelter, and is superior to concrete block by doing so.

Is LEED a concern for you?

Structural brick can contribute in many ways and satisfies the intent of good, sustainable design.



We're on the Web!

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www.InterstateBrick.com

When Interstate Brick was formed in 1891 we established one simple goal for our company: to be the best brick manufacturer in America. Today the attainment of that goal can be seen in a variety of premier brick products from veneer to structural which are often being imitated but never duplicated by other national manufacturers. Interstate Brick continues to grace the most sophisticated schools, office buildings, condominium towers, malls, federal buildings and residential homes from coast to coast. This goes to show what a difference one simple goal can make. Simply put, nothing else stacks up.



Nothing else Stacks Up!