



INTERSTATE® BRICK

Project Spotlight-Emperors™

Project Location:

Woodstock, GA

Completion Date:

1997

Distributor: Palmer Brick

Atlanta, GA

Architect:

CDH Partners, Marietta, GA

General Contractor:

Balfour Beatty Construction

Mason Contractor:

Balfour Beatty



Woodstock M.H. School

When CDH Partners won the commission to design 3 new Middle/High Schools, they faced a problem all too familiar in modern construction – the scope was severely limited by schedule and budget. This problem was magnified by the fact that the construction was to coincide with Atlanta's preparation for the 1996 Summer Olympics.

The first of three prototype school campuses presented the challenge of gearing up a masonry crew that could install over 170,000 square feet of exterior wall at a time when skilled bricklayers were in short supply. When cost and schedule studies indicated modular brick would require 2,330 Man Days to install versus only 1,100 Man Days for a 4x4x16 Emperor™ brick, the savings impact of a larger clay unit was immediately clear.

Size does matter!

The decision to incorporate Emperor™ brick also provided additional advantages to the design and construction teams. Even though Interstate Brick manufactures every size common to the industry, the plant has decades of



experience specializing in these larger units. This project was also manufactured to the ASTM type FBX guideline, the tightest of all tolerances. FBX is a specification typically unachievable by 95% of other brick manufacturers. Additionally, the savings gained from the larger veneer afforded the luxury of a much broader color range selection, including vibrant buffs and naturally fired rich Iron-spots. With the majority of the palletized Emperor™ brick providing 2 finished faces, production rates soared while significantly reducing jobsite waste.



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Woodstock Schools

“The labor savings equated to approximately \$0.50/SF of building floor space which resulted in a \$180,000 savings on each school.”

William Chegwidan, AIA
Principal
CDH Partners, Inc.



Project Particulars:

Brick sizes used:

3.5 Emperors™ with Utilities & Closures for corners and jambs

Brick colors used:

Manhattan, Desert Sand, Copperstone

Total unit quantity:

382,500

Total brick wall area:

170,000 SF

Total project floor area:

327,000 SF

Special shapes:

135° External Corners

Net waste:

Less than 2%, just over 7,500 units

Note this:

The labor savings allowed consideration of various color and pattern combinations.



We're on the Web!

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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!