



Lexington County School District One – Lexington, SC

ProjectProfile

Size: 22,000 sq. ft.
Distributor: ProBuild Gypsum
Applicator: Dillon Construction

Dillon Construction Services Inc. is a family-owned company that has been operating since 1989 with offices in Columbia and Charleston. The company has found a niche in historical restoration with its applications of quality stucco exteriors and plaster interiors. The company is a master of plaster base and finish coats. The company's efforts haven't been in vain as Dillon Construction has won awards for many of its restoration work and has been recognized by the building community for its quality craftsmanship. So, it was no surprise that Dillon Construction was contracted to work on the Lexington County School District One in South Carolina.

The project consisted of an older two story building that was having moisture-related problems caused by a leaky roof, the flashings and windows. Before the project began, the project was constructed with metal framing and clad with brick and EIFS. It was decided to remove the cladding, make repairs to the framing, replace the sheathing with DensGlass, replace the roof and repair/seal the windows. The architect had no problem with EIFS but it was decided that the new cladding would be the Parex Armourwall 300 WaterMaster/Krak-Sheild Stucco assembly. KeyGuard, a liquid applied barrier, was used on top of the DenGlass which made the structure weather resistant. The liquid applied barrier is what separates this system from a standard stucco system.

Once the KeyGuard and felt were installed, Dillon installed metal lath. For the scratch and brown coats, Parex's Fiber-47 was installed. A primer was rolled on top of the Fiber-47. The finish was Parex's Elastomeric.

Stucco has been around for thousands of years, but new hybrid systems, such as Parex Armourwall, with options of upgrading to a water managed assembly and/or enhanced crack resistance assemblies; really bring an old and trusted cladding system into the 21st century.



The Challenge

- Older building
- Moisture problems
- Match original building as much as possible

The Solution

- Parex Armourwall 300 Stucco Assembly
- Parex Watermaster
- Parex Krak-Shield
- Parex KeyGuard
- Parex Fiber-47
- Parex 121 Primer
- Parex Elastomeric