



South Carolina Criminal Justice Academy Village, Columbia, South Carolina

A four story dormitory was erected at the South Carolina Criminal Justice Academy to facilitate additional student housing. The four story building, which can hold up to 208 students, contains four bath rooms and four common areas in addition to the dorm rooms. The facility is composed of precast flat insulated wall panels, double tees, beams, columns, and stairs.

The South Carolina Criminal Justice Academy Village project features high performance, thermally efficient, insulated precast wall panels. With colors developed to match existing campus structures, the wall panels function both structurally and aesthetically. The panels are produced with a commercial grade architectural mix containing a form liner ground level outcropping, and sandblasted finish, for a multi-textural finish.

The dormitory precast wall panels are specifically designed to achieve high R-values and provide thermal consistency for interior temperatures, meeting thermal requirements provided by the building owner. A precast system was selected due to the quality, durability, and effective cost structure the system provides.

Project Facts:

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|------------------------|---------------------------|
| Market Segment: | Higher Education |
| Building Type: | Dormitory |
| Products Used: | Structural precast panels |
| Finishes Used: | Form liner, sandblast |



Project Design Team:

| | |
|-----------------------------|--------------------------------|
| Owner: | South Criminal Justice Academy |
| General Contractor: | Hendrick Construction |
| Architect of Record: | Mcreary/Snow Architects |
| Engineer of Record: | Chad & Associates |



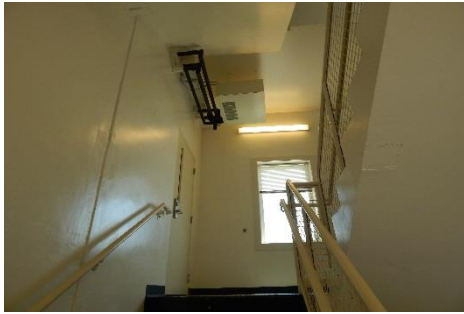
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Flat insulated wall panels frame the outside of the building. The wall panels are designed for thermal efficiency to stabilize interior building temperatures. The panels on floors two through four are sandblasted and then painted to match the buildings throughout the campus.



Precast stair components are featured in the dormitory project. The standard gray walls are painted to match the interior drywall and framing. The stair boxes have openings placed at each entrance of the different floors.



The conversion from cast-in-place to precast saves both construction time and costs. Utilizing a precast solution for the dormitory provides quality and durability as well.



A brick printed form liner is used to create a ground level outcropping. The precast is then painted to match existing campus structures. The multi-textural finish allows the precast structure to function both structurally and aesthetically.



Structural precast wall panels are ideal for educational projects. The panels are energy efficient, can be load bearing, and provide superior fire resistance.

