

Case Study

State of Louisiana Reed Recovery Project

Client Need:

Reed School District had an entire campus destroyed by Hurricane Katrina and needed almost 50,000 square feet of modular space immediately.

M Space Solution:

M Space designed and constructed a fully functional, secure educational campus for the State of Louisiana Reed Recovery Project. The Campus included (4) 8 classroom buildings, (1) 6 classroom special educational building, (1) administrative and support building, (1) food service building, (1) library and media building, (1) staff lounge building, (1) male restroom facility, (1) female restroom facility and (1) security building.

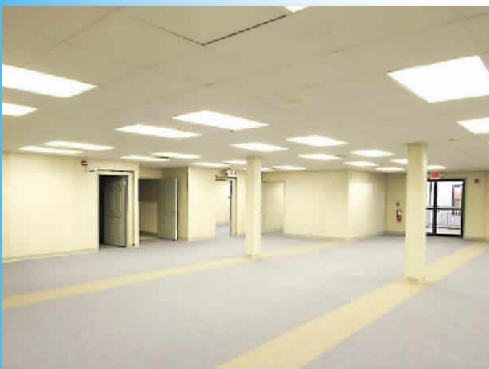
All of the buildings were constructed to be at the same elevation and are connected by raised platform walkways with lighted canopies. This ADA compliant campus includes ten handicap accessible ramps, concrete sidewalks, a faculty parking lot, school bus roadways with 24' x 66' canopied student drop off areas, loading docks and food service roadways. The classroom buildings were positioned around the perimeter of the campus so the students could access them easily, and the support buildings were located inside. Due to the security risk posed by the location of the campus, a fully enclosed 8 foot high chain link fence with six personnel gates and one 12 foot delivery gate surround the perimeter. Complete site development included new domestic water service, sanitary service, and 1200 amp - 480 V electrical services. In addition, each building was equipped with central ac/heat, addressable fire alarm systems, public address systems, clock and bell systems, telephone, cable television and data systems.

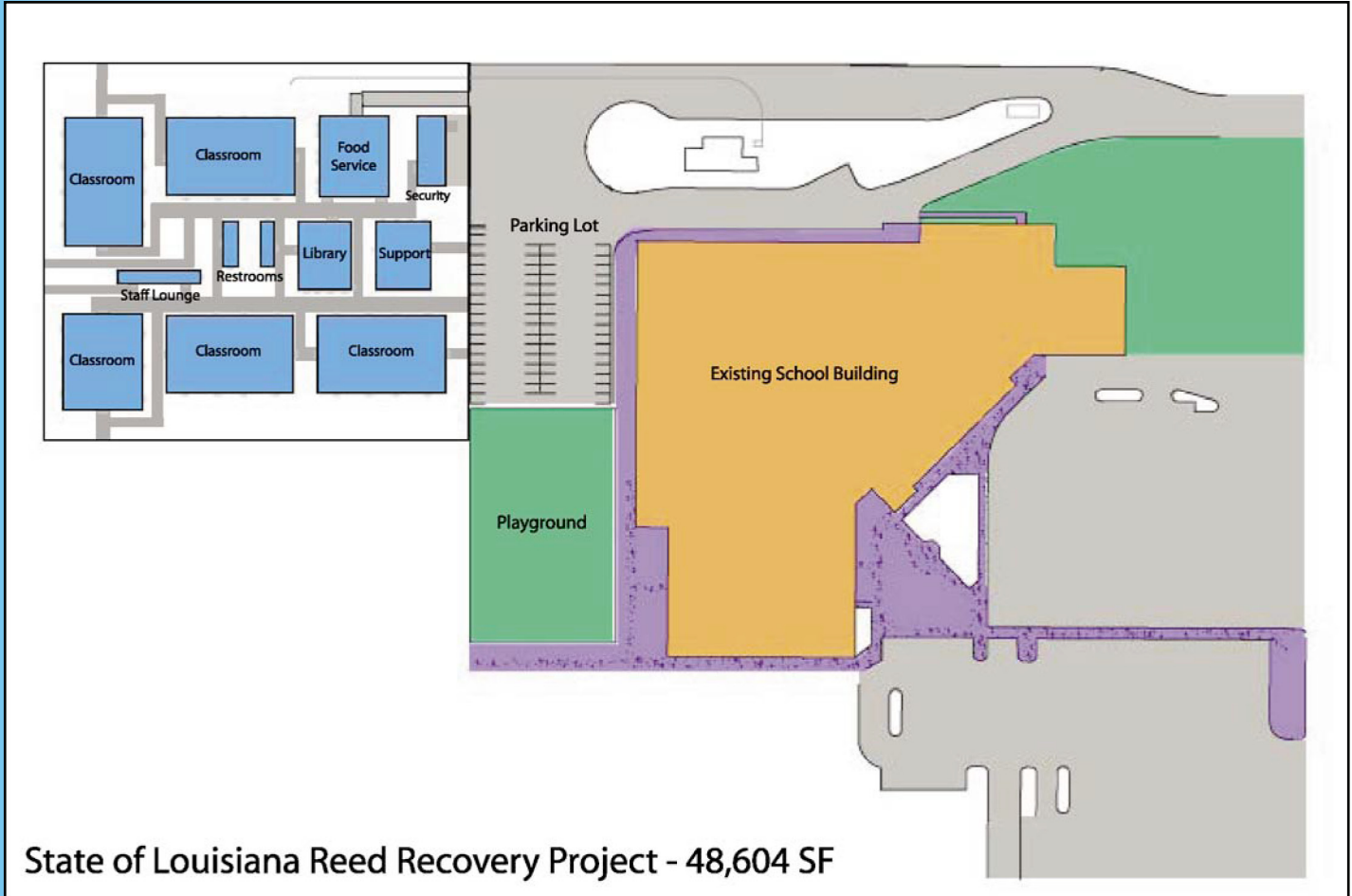
Technical Innovation:

Due to poor soil bearing capacity, the foundation design utilized (1550) 35 foot long Class 5 wood piles with reinforced concrete pile caps to provide proper building and wind load support. The raised walkway platforms and canopies were constructed utilizing structural steel tubing columns supported by 12 inch diameter reinforced concrete footings. All of the buildings floor finishes were installed at the same elevation so that they could be connected to one another using raised platforms.

Cost Effectiveness and Energy Efficiency:

The design of the campus centered on the future relocation of some or all of the buildings. All the classroom buildings were designed so that they could be broken down to create doublewide classrooms with only the addition of an exterior wall. The male and female restroom buildings are singlewides and divide into two sections so they can be relocated and utilized as needed.





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