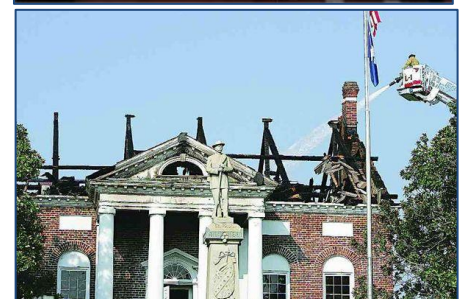


Project Profile

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Project Background – Fire / Water Damage – Structural Drying & Preservation

Client:	Lancaster County, SC
Month/Year, Project Type, Environment, Location & Proj. Mgr.:	July 2009 – Arson Fire/Water Damage – Historic Municipal Courthouse & Civil War Prisoner Holding Cells – Shawn Delgado, Senior Estimator & Senior Project Manager, FCR
Client or Location Profile:	<p>Lancaster County, SC, pop: 89,594, founded in 1785 and located just 40 miles due south of Charlotte, NC & 60 miles north of Columbia, SC. The county seat is the City of Lancaster, birthplace of Andrew Jackson, 7th US President, & home to the historic Lancaster County Courthouse whose significance is told through its history...</p> <ul style="list-style-type: none"> – 180-Yr. Old Courthouse in continuous use since opening in 1828 until August 4th, 2008 – National Historical Landmark/National Register – Designed by "Robert Mills, America's first native-born, professionally-trained architect & architect of the Washington Monument – Built on site of last known US Witch Trial in 1813 – Gen. Sherman's Army was unsuccessful at burning the structure, twice, in 1864 during his notorious "March to the Sea".
General Scope:	Determine protocol for compromised plaster & historic pencil sketch preservation, water extraction, structural drying & dehumidification.
Total Project Cost:	Total Project Pricing Unknown – FCR was not used for Repairs. This was contracted separately, therefore, we do not have this information.
FCR's Fees:	\$133,038
FCR's Role:	Protector of Priceless Civil War Era Pencil Sketches on Compromised Plaster in Prisoner Holding Cells
Description & Origin:	A 17-yr. old arsonist on an alcohol & drug induced crime spree, out on probation & scheduled to go to court on Monday morning for a prior burglary, decided to torch the building Sunday night to avoid court. He piled stacks of documents on the judge's desk & set them on fire using lighter fluid, causing \$2.3 million in damage. In total, Martavious Semaj Carter pled guilty to 39 different charges including multiple counts of armed-robbery, robbery, burglary, carjacking, kidnapping (leaving a 70-yr. old woman in the trunk of her car



Full Circle Restoration & Construction Services, Inc.

4325 River Green Pkwy, Duluth, GA 30096

24-Hour Emergency Hotline: 770-232-9797

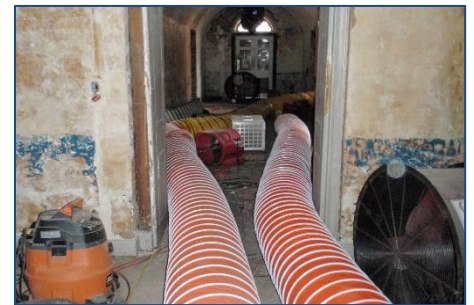
Description & Origin
(Continued):

on an 82-degree SC July day), & weapons charges including possession of a homemade weapon, made from a spoon - a "shank" - which he used to threaten a guard while in jail after his arrest). Lancaster FD was able to extinguish the fire but not before the roof structure was destroyed & the interior gutted. The building, full of water from the fire department's valiant efforts, sat for approximately nine months without a roof & exposed to all weather events. The courthouse essentially became a giant swimming pool. Initially, FCR was charged with pumping out and extracting water from the rear elevator shaft (an ADA addition at the rear of the building) & in other areas still holding water; then, FCR would be tasked with performing structural drying & dehumidification.



Equipment & Protocol:

Trailer mounted desiccant w/a 65kw generator, Truck Mount Extractor, Conv. DH, Axial & Laminal Air Movers, HEPA Scrubbers & Vacs & Inject-i-Dry



Challenges & Obstacles:

Drying a totally saturated structure, built of 180-year old materials & technology w/ 18" thick solid clay walls on the 2nd floor & 24" thick 1st floor walls constructed of solid clay brick with plaster over the wet brick on the inside of the interior & exterior walls. The walls had no cavities, thus, no channels for air flow/circulation slowing the drying process with some very stubborn areas.

Salvaging a collection of priceless/historic sketches drawn by civil war prisoners, with references to President and then Gen. Ulysses S. Grant and John Adams, pre-civil war Sheriff, Lancaster Co., SC. on compromised 180-year old plaster. Attempting to be fiscally responsible/reduce overall expense, county engineers restricted our activity, wanting us to dry just the basement, disregarding trapped moisture above. We set expectations for substantially longer drying time & significantly more cost w/ that method & after a week we demonstrated that this technique should be abandoned... we were then, authorized to switch protocols.



Results:

Plaster salvaged & building dried effectively

True Value & Additional Value:

Priceless Sketches Saved & once the walls dried previously undiscovered sketches began to appear

Key Contact:

City of Lancaster Facilities Mgmt. & Contracted Architect - Jody & Ginger Munnerly, 803-432-3233

