LASER TECHNOLOGY BUILDING DOCUMENTATION SPECIALISTS

datacapture

Verizon Building
Syracuse, NY

Client: Lupini Construction

CORINTHIAN DATA CAPTURE, LLC

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The Verizon building is a 1928 art deco style high rise, with a limestone façade accented by decorative panels. Lupini Construction had the task of restoring the facade, including replacement of many damaged panels and copings. Faced with a tight schedule, severe cold weather and fragile panels, traditional hand molding techniques were not an option. Corinthian Data Capture provided scanning services, employing both long range scanning of the building façade and hand scanning via swing scaffolds of the decorative elements. Using our data to create molds for the new ornamentation, it was not necessary to remove any panels from the façade prior to replacement. This eliminated the possibility of water intrusion, which would have led to further deterioration. The various scans, when registered together, provided a base reference of the building's exterior for use in future maintenance planning.

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The decorative cast stone panels at the top of the building had undergone severe weathering and deterioration. Their poor condition and fragile state eliminated possibility of removal for creating molds in a controlled environment.

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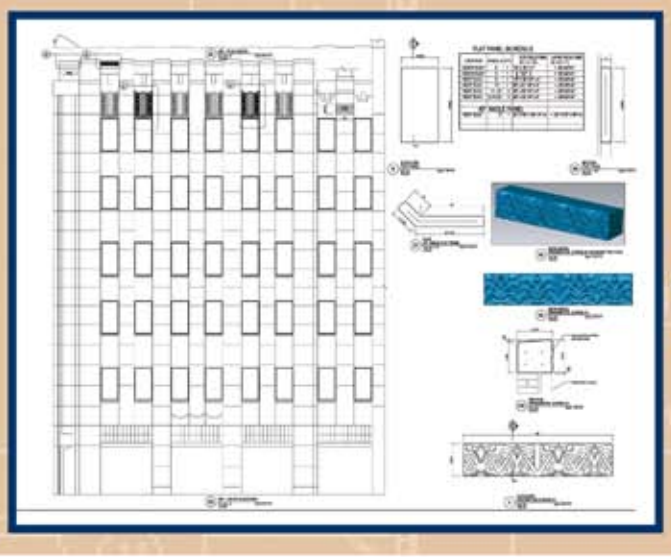
Scans were taken at ground level with our long range scanner, providing a digital map of the façade. High resolution scans were done on a portion of the upper façade areas, to increase data complied.

Using swing scaffolds, Corinthian Data Capture's technicians hand scanned the decorative cast stone elements, acquiring a digital map of the intricate surface variations and details.



CAD drawings were prepared based upon the scan data, mapping the façade and ornamental details.

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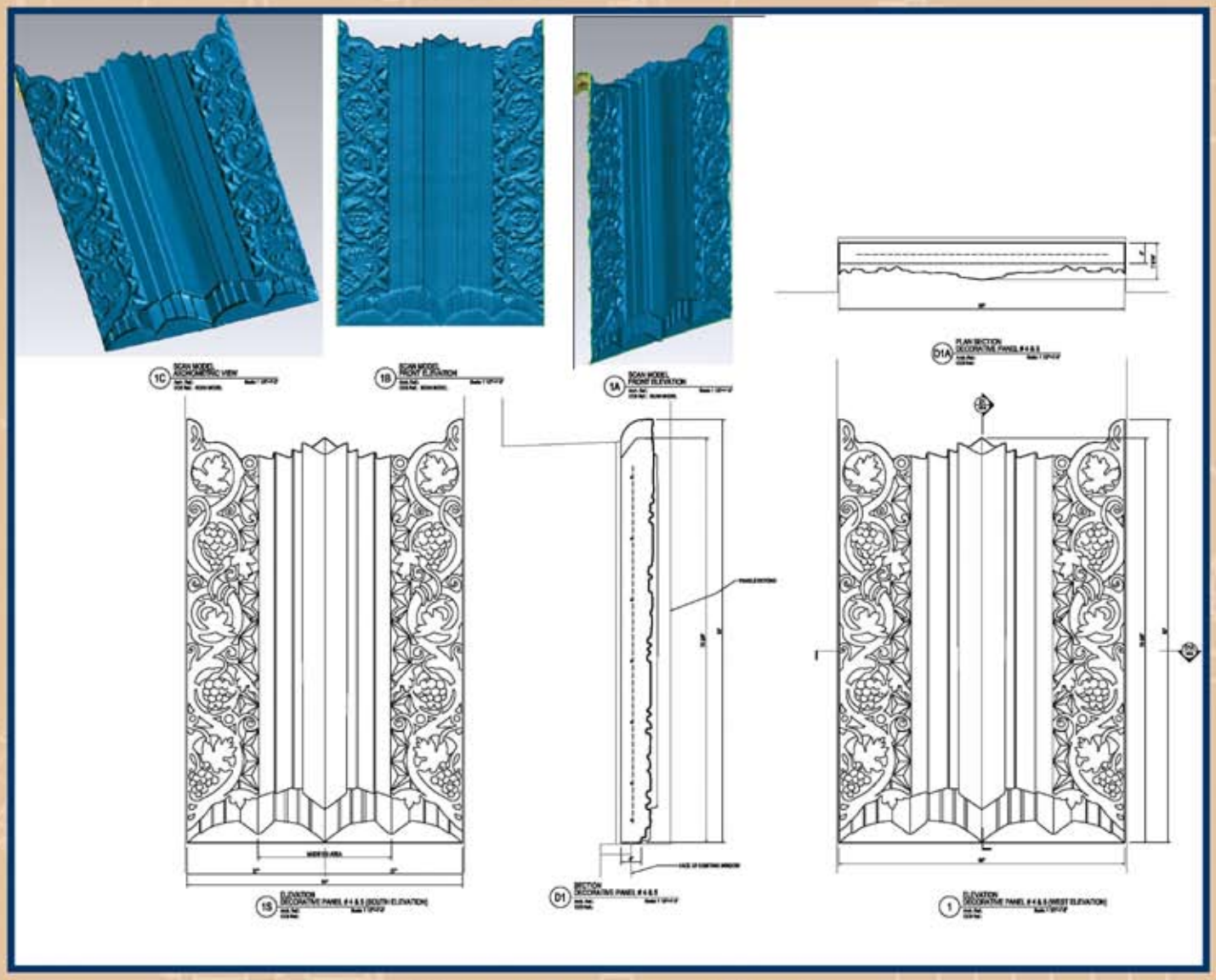

Hand scan data provided a 3d computer image of the decorative panels, enabling precise shop drawings and casting molds to be produced.