



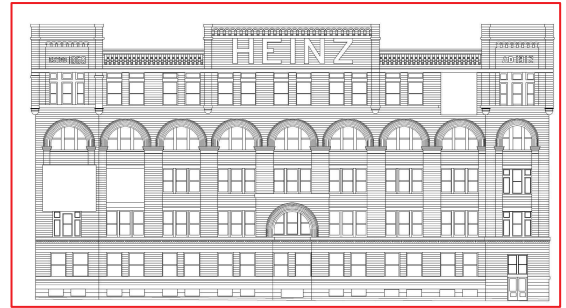
# Quantapoint Case Study

## H.J. Heinz Complex

### Exterior Elevations

#### Situation and Challenge

The Design Alliance Architects (TDA) were commissioned to rehabilitate four HJ Heinz buildings from its manufacturing past to a new use as luxury apartments. This required an exterior renovation of the elaborate and richly articulated brick and stone façade of the historic structure. Also, each building was four to seven floors high and included walkways to connect the upper floors of the buildings. Because there were minimal existing drawings of the original construction, TDA needed to survey and document the configuration, details and conditions of the elevated facades. However, the location of the inner city structures would not permit bringing in heavy equipment and lift trucks to gather the elevated measurements.



#### Solution

In order to develop accurate and intricately detailed drawings of the entire facade, TDA called upon Quantapoint Inc. of Pittsburgh, PA, a leading provider of as-built documentation using integrated laser scanning. Quantapoint's as-built laser documentation™ is a "turnkey" solution that combines hardware, software, data processing and delivery. Quantapoint rapidly collects, registers and verifies billions of highly accurate measurements to provide a consistent and up-to-date "digitized building" of as-built laser documentation – without invasive manual measurement, purchasing costly hardware or time-consuming remodeling.

Quantapoint's three person team scanned the elevated, detailed structure in only three days. This included documenting the intricately patterned brick work of the very high walkways connecting the buildings without interrupting the flow of traffic on the busy city streets.

#### Results

Quantapoint delivered detailed drawings to TDA within 12 working days of scanning. Each brick pattern and stone design of the façade was accurately detailed without the use of costly scaffolding and heavy equipment. The results enabled the architects to minimize costs, optimize schedules, increase quality, improve safety and accurately preserve a rich piece of Pittsburgh architecture.