



Size  
42,592 sq/ft



Scan time  
4.5 hours



Location  
Kansas City,  
USA



Industry  
Civil  
Engineering



Scanned  
School

## BHC Rhodes, Kansas City

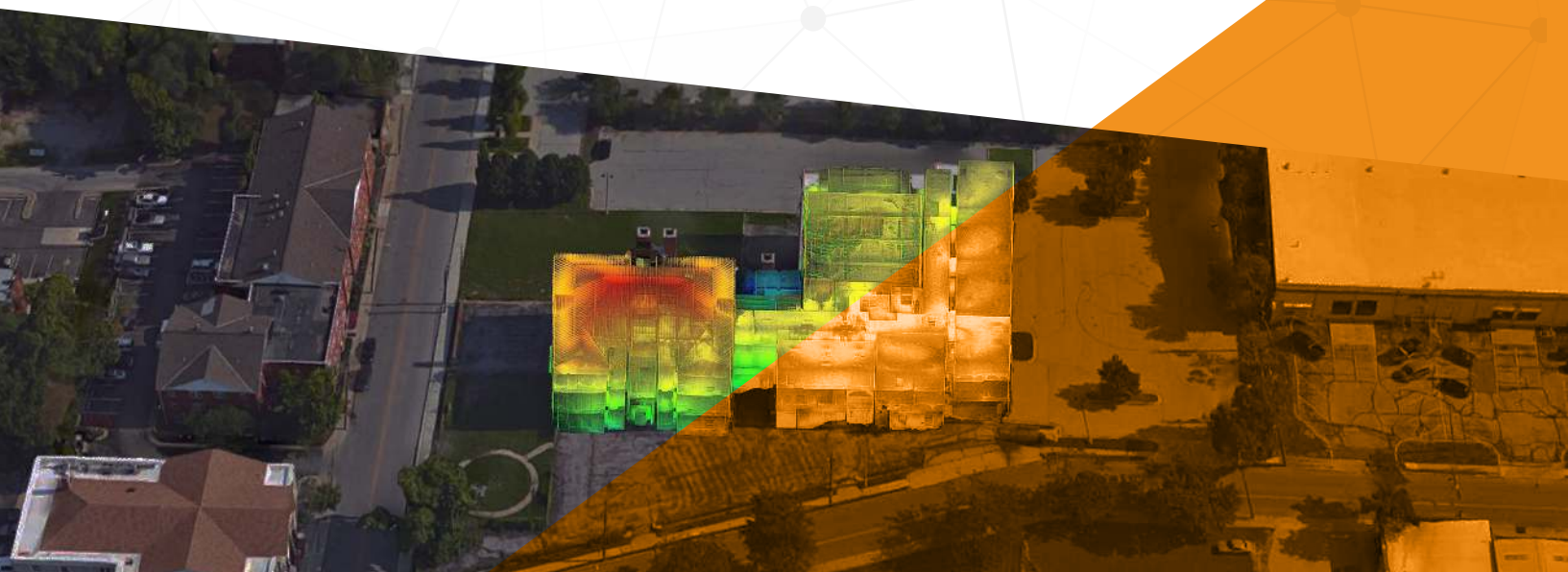
Transforming an aging school in the Jazz District of Kansas City to a community arts centre required the power of today's real-time technology.

The Attucks building, built in 1905 and renovated in 1922 due to overcrowding, has undergone several developments over the years. For any plans to be approved on the site of the Attucks School, the commission needed substantial and comprehensive drawings – materials, floor plans, site drawings and elevations.

Civil engineering firm, BHC Rhodes, embarked upon the complex task of a 3D Revit BIM (Building Information Model) using GeoSLAM technology. The handheld “go-anywhere” ZEB REVO is designed to be used without comprehensive training, meaning you can ‘pick up and go’, saving additional preparation time for any members of staff previously unfamiliar with the technology. It's a simple setup and data gathering is quick and easy; wherever you can walk, you can scan.

**“ A BIM model was provided two weeks earlier than expected, providing a comprehensive picture of the asset. ”**

With several hazards identified - visible deterioration in the wood floorings, ceiling collapses, and air quality conditions including asbestos - a fast, accurate and safe survey technique was required.





With the aid of these lightweight, mobile scanners, specifically designed to scan difficult to access spaces, the entire property was scanned in only 4.5 hours, recording more than 43,000 measurements per second. A BIM model was provided two weeks earlier than expected providing a comprehensive picture of the asset. Only with these modern tools could a real-time digital twin of the ageing building be created quickly, and safely – saving considerable time and money.

**BHC RHODES**  
*Civil Engineering • Surveying • Utilities*

