

Springfield Armory

Springfield, MA

MGM has constructed an 850,000 SF casino property spread over 14.5-acres and three city blocks in downtown Springfield, MA. Part of this development was preserving and incorporating aspects of the historical structures on the location of the large casino master plan. A key historical structure being preserved is the Springfield Armory, which was built in 1895 for the Massachusetts Militia. This structure includes both a castle-like structure and a drill shed that extended the width of the block. However, a tornado in 2011 destroyed the former drill shed. The castle-like facade was retained and incorporated into the casino.

Demolition of the structure behind the facade required precise survey information and modeling of the structure so that areas selected to be demolished could be removed safely and without damaging the facade that was to remain. Point cloud modeling of the structure and 3D as-built information was key in properly evaluating the structure to ensure that this historical elements could be retained as part of the new development without destroying it. S2A was provided the point cloud to create accurate 3-dimensional as-built documentation for demolition and construction documentation for the renovation and expansion. With the complexity of the structure, S2A worked directly with the survey and design team to ensure that all historic information including arch ways, arch sills and headers, and materiality needed for the project was documented.



Client Coast 2 Coast Survey | Chattanooga, TN

Services Point Cloud Modeling, 3D As-Built Documentation (A)