

## INTUITIVE TO SCIENTIFIC

### APPLEBEE'S RESTAURANT SUPPORT CENTER

The process to conceive and implement the design of the Restaurant Support Center began with sketches, and quickly incorporated 3-D modeling to develop forms and test building and site options. This process and the tools allowed the design team to develop multiple concepts quickly for preliminary study and involve the client, allowing them to understand various concepts quickly and participate in the decision-making process.

The design process quickly moved from an intuitive, conceptual stage into a more scientific, analytical phase that employed Building Information Modeling (BIM). This tool allowed the design team to study and coordinate the building from conception to construction. Through BIM, the designers analyze factors such as sub-surface rock, building areas, component costing, exterior shading and glazing, and moisture to understand how certain decisions will affect the building.

Engineering software allowed the design team to analyze building performance during the design process. Tools like daylight modeling and energy modeling enabled the designers to determine if particular strategies will be successful. The team was able to make design adjustments as needed to achieve desired goals and intent.

Interior and exterior renderings enabled the Applebee's design team to study the site, building shape, materials, finishes, furniture, and other elements in order to convey design concepts to the client. Renderings also help the designer, contractor, and owner detect and solve various issues early in the process.