



BIM MODELING SERVICES FOR ARCHITECTURAL CONSULTING FIRM

About Our Client

Our client is an Architectural consultant, Design-build service and 3D modeling services firm. They are specialized in Food chain, Luxury hotels, Residences, Casinos, Retail Outlets.

They utilize highly detailed layouts, for cost estimating, clash detection and design analysis of MEP, structural and architectural systems and components.

Scope / Challenge

The challenge presented to our client involved the crucial task of delivering design, development, and construction drawings for a fast-food chain in Virginia, USA within a stringent time frame. With numerous outlets undergoing renovations and new constructions simultaneously, the time constraint was a critical factor. It was mandatory to adhere to the brand guidelines in the concept and design for all outlets within the fast-food chain.

The client was unfamiliar with BIM and Revit, they needed assistance in the formulation of Revit standards, templates, guidelines, and the establishment of a comprehensive BIM execution plan.





Solution

The TAAL Tech team, consisting of architects and engineers, proficiently studied and familiarized the International Building Code (IBC), "The Virginia State Codes and Standards," and the regulations governing the Food and Beverage (F&B) sector in the United States. This allowed them to efficiently develop concept and design drawings within a short period. Their adept understanding of the relevant codes and regulations ensured that the project aligned seamlessly with the legal and structural requirements, showcasing the team's agility and expertise in delivering high-quality work under tight timelines..

The TAAL Tech team actively engaged in content creation, assisted client in developing Revit families for kitchen equipment, furniture, specialty Equipment's, light fixtures, electrical components, and more. This ensured a thorough representation of all project elements within the BIM model.

Additionally, TAAL Tech provided valuable assistance in creation of Revit template, contributing to the standardization of Revit and BIM best practices. This collaborative effort aimed to enhance efficiency, consistency, and overall project quality, showcasing TAAL Tech's commitment to delivering a well-rounded solution for the client's specific needs.

Results Delivered

The collaboration between TAAL Tech and client resulted in the timely delivery of drawings and the construction of all outlets. Despite the challenges posed by the project's scope and execution, the effective implementation of Revit standards, templates, and BIM practices, coupled with the meticulous content creation, allowed the client to meet their deadlines and successfully build each outlet on time.

The adoption of Building Information Modeling (BIM) by the client, facilitated by TAAL Tech helped in minimizing cost overruns, project delays, site clashes, this also streamlined the construction process, contributed to the overall efficiency of the project and lead to a more cost-effective and timely project delivery.

TAAL Tech's comprehensive assistance, spanning from concept designing to design development, construction drawing, and BIM model development, played a pivotal role in the project's success



About TAAL Tech

TAAL Tech is a niche Engineering and Technology solutions provider serving global corporations in their pursuit for faster innovation. Our vision is to be a leader in providing innovative, high value engineering & technology services to global corporations. Meet our team and learn more about us.

