

Client : Architect

Team Size : 2 No.s (BIM Architect & BIM Coordinator)

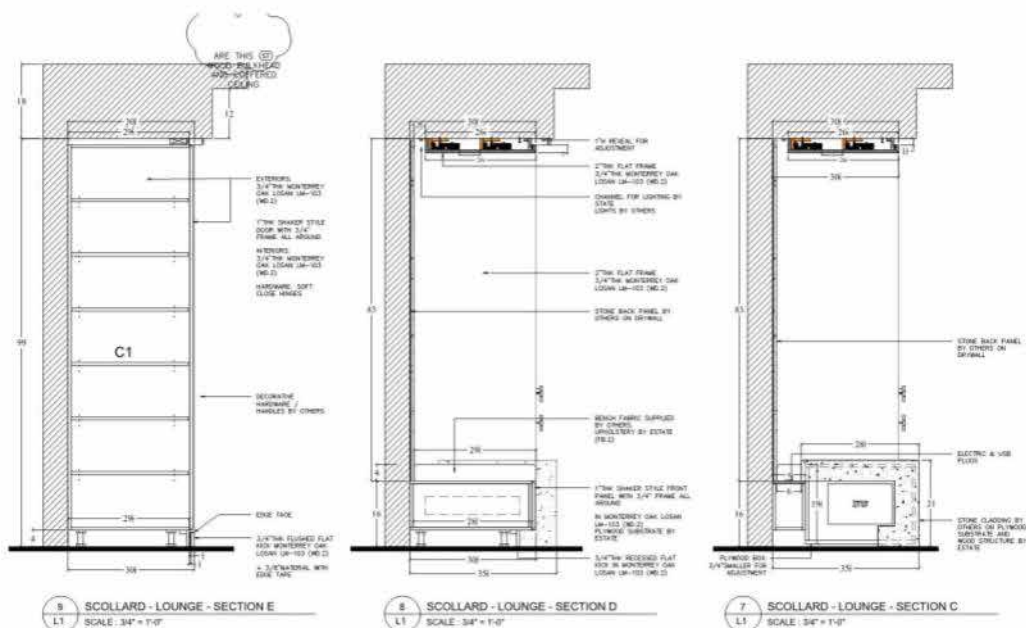
Disciplines : Architecture

Duration : 1 Month

Type : Commercial

Software : Autodesk Revit & Autodesk AutoCAD

Location : New York, USA



Project Overview

Techture partnered with an architectural firm to provide BIM support for the detailed design and coordination of a high-end office fit-out project. The scope of work focused on developing a highly detailed 3D BIM model for custom millwork elements, including reception desks, cabinetry, and wall panels. The team was responsible for converting architectural drawings into a fabrication-ready model and ensuring seamless coordination with structural and MEPF disciplines.

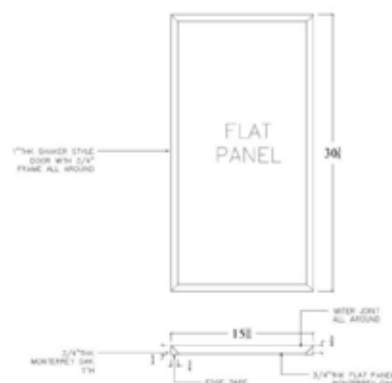
Scope & Deliverables

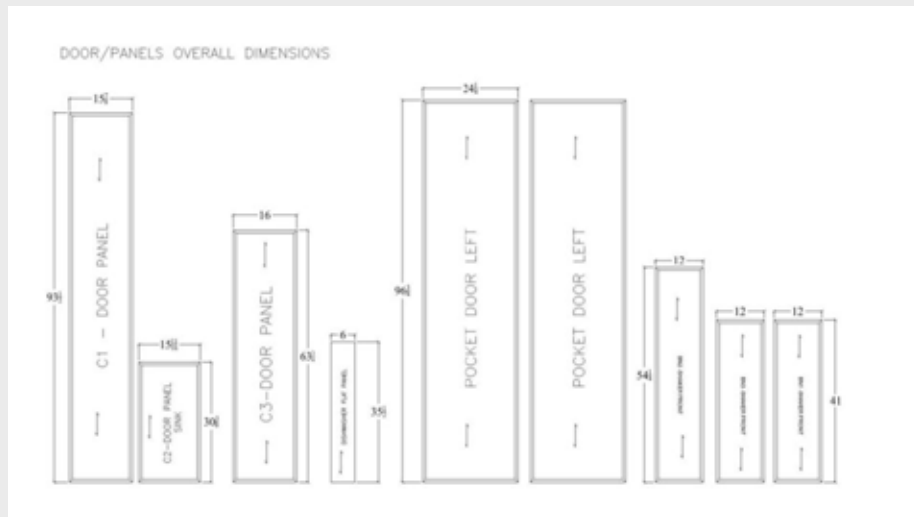
- Imported architectural PDF/CAD drawings to create a project-specific Revit template.
- Developed a 3D BIM millwork model to LOD 350, including custom cabinetry, built-in shelving, reception desks, and decorative wall panels.
- Produced a complete set of fabrication-ready millwork shop drawings, including plans, elevations, sections, detailed joinery, and cutting lists.
- Incorporated all architectural revisions into the model to maintain alignment and consistency throughout the design process.

Challenges

- Ensuring the intricate millwork details were accurately modeled for fabrication while maintaining a manageable file size.
- Coordinating complex design requirements from the architect with the constraints of the building's structural and MEP systems.
- Managing frequent design markups and revisions, which required continuous updates to the millwork model and shop drawings.
- Maintaining a high level of quality control to ensure all details met both drafting standards and fabrication requirements.

DOOR CONSTRUCTION





Techture Approach

- Established clear communication protocols with the architect, including regular design review meetings to address evolving requirements.
- Created an iterative 3D model that was refined based on consultant feedback and design changes, ensuring the model always reflected the latest design.
- Conducted rigorous QA/QC reviews using a checklist specific to millwork standards, ensuring accuracy and completeness of all drawings and models.

Benefits

- Delivered a fully coordinated, fabrication-ready 3D millwork model and a comprehensive drawing set with zero on-site issues.
- Ensured faster approvals by providing accurate and detailed shop drawings that incorporated consultant feedback promptly.
- Provided a reliable, construction-ready package that supported efficient fabrication and installation, reducing costs and timelines.