

simplifying BUILD INDUSTRY



SOLUTIONS

- 3D M&E COORDINATION
- M&E / ARCH. DESIGN VALIDATION
- M&E VISUALIZATION
- MULTI TRADE COORDINATION
- PLANT / RISER / STACK MODELS
- M&E DESIGN DRAWING
- BUILDING INFORMATION MODELLING
- 3D BUILDING MODELLING
- AS-BUILT/SHOP DRAWINGS
- M&E DRAFTING
- VECTORIZATION / CAD CONVERSION
- PROJECT MANAGEMENT
- CONSTRUCTION MANAGEMENT
- COST & CLAIM MANAGEMENT
- M&E / MEP COORDINATION

flexible solutions for
your business needs

M&E AND ARCHITECTURAL DESIGN VALIDATION

FCAD work with its clients to provide an extensive design validation service covering one or more of architectural design, structural design and M&E design trades. FCAD's output is used for a range of purposes including design development, contingency analysis, scope redefinition, budgeting, project planning and stakeholder communication.

Working with main contractors, multi-trade consultants, M&E contractors and architects, FCAD's M&E and architectural design validation services allows a design of any particular trade to be assessed for accuracy, effectiveness and cross referenced with other trades to ensure feasibility and practicality.

Architectural and Structural Design Validation - Typically working with main contractors on FCAD's approach to structural design elements includes the following:

- Architectural Design Audit
- Floor Layout Plan
- Sectional Drawing
- 3D Architectural and Structural Modeling

M&E Design Validation - Working with M&E Consulting Engineers, FCAD provide a design validation service to ensure a more complete and accurate design is issued. Our M&E design validation services include the following:

- M&E Design Audit
- M&E Design Drawings
- M&E Modeling
- M&E Coordination

