

Curriculum Vitae: Richard Stewart

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Personal Profile:

I am charismatic, influential and extremely hard-working leader in the digital construction profession. Through my years within the AEC industry I have worked within a variety of multidisciplinary project teams and consequently I have developed exemplary communication skills and a solid work ethic. Working within multiple sectors of the industry, I have contributed from conceptual design and technical design stages through to running project completion operations on site. I pride myself on excellent leadership and believe in the empowerment of my team through continues improvement, knowledge sharing and educational processes. I chair and contribute to daily, weekly and monthly project team, design team, BIM and digital engineering meetings assisting with the resolution of BIM workflow and design issues. Understanding the implication of complex geometry, structured data and building design management in relation to constructability and functional performance are activities which I have and still frequently undertake. I understand the technical BIM workflow issues that consultants face, this has led to a keen interest in the way that processes can be automated to release valuable time. I'm passionate about finding ways through state-of-the-art technology along with devising and implementing workflow processes in conjunction with digital engineering software to support efficient production of information.

Software competencies include:

- Autodesk Revit Architecture
- Autodesk Navisworks
- Revit Server Network
- Nemetschek – Solibri Model Checker
- BIM360
- Revizto
- Clarity
- Kubus – BIM Collab
- Autodesk AutoCAD Architecture

I have had continual exposure throughout my professional career to the following software:

- Dynamo
- Enscape
- Rhino

Digital Engineering Accreditations:

- Autodesk Accredited Professional
- Autodesk Revit Advanced: Complex Geometry
- Autodesk Accredited Trainer (pending approval)
- Autodesk Revit Detailing
- Solibri Model Checker
- NBS Chorus

MSc. Project Management & Building Information Modelling

Through studying an MSc. Project Management & Building Information Modelling I have obtained a clear projection of the future of construction and how the industry will develop in a within a BIM enabled environment. Personally, I gained knowledge into the complexity of managing collaborative design and production within an interdisciplinary design team.

Modules Covered:

- ✓ Sustainable Project Management
- ✓ Project, Programme and Portfolio Management
- ✓ Project Risk & Value Management
- ✓ Building Design Management
- ✓ Building Information Modelling in Contemporary Practice
- ✓ Building Information Modelling Technical Context
- ✓ Building Information Modelling & Building Design management Project

Education details

2013 - 2014 (Present)

- ✓ MSc. Project Management & Building Information Modelling with Distinction (Northumbria University, UK)

2010 – 2012

- ✓ BSc (Hons) Architectural Technology (Birmingham City University, UK)

2008 – 2010

- ✓ HNC Construction Management (South Birmingham College, UK)

2006 - 2008

- ✓ BTEC National Certificate in Civil Engineering & Building Construction (South Birmingham Collage, UK)

Professional Qualifications

- ✓ Stroma Licenced on Construction Domestic Energy Assessor (OCDEA)
- ✓ Construction Skills Certification Scheme
- ✓ CDM 2007 Regulations Exam
- ✓ Standard Assessment Procedures Exam (SAP)
- ✓ Annual CDM Health & Safety Training
- ✓ NHBC Defects & Prevention training
- ✓ NHBC Building Regulations Part A – Part P
- ✓ NHBC Building Regulations Part L– Part M.
- ✓ St Johns Ambulance - Manual Handling

Current Position

BIM Manager for Europe & Middle East at Skidmore Owings And Merrill Foundation

I hold the leading role within implementing digital design and information management best practices with the SOM London office. My experience includes high end residential to high end commercial mixed used major projects and hospitals. My current project experience includes large-scale mixed-use developments in London, China, Europe.

With a specialist knowledge of Building Information Modelling platforms and processes, I support internal and external project teams with complex modelling and delivery strategies suited to each stage of the project life-cycle.

As an Autodesk Accredited Revit Professional, I assist with the development and implementation of firm-wide BIM standards and procedures whilst leading internal Revit training and the provision of educational support to conceptual and technical design teams.

Implementing BIM and digital engineering practices have allowed our projects teams to implement project wide standards and processes that have added value to production of information activities. Standardization has ensured that project deliverables meet the “prescribed for” and “quality” requirements.

I have extensive experience using Revit Server Network and BIM 360 that supports a live working environment between multiple users and organizations.

At project definition stages, the BIM model enabled us to present a 3D simulation of the design intent to project stakeholders at stakeholder interaction events. SOM are then able to work with the client to understand and examine the buildings’ “Life Cycle Cost” and review potential alternative schemes ahead of time and between design disciplines efficiently and collaboratively”.

Previous Positions

Scott Tallon Walker Architects, London

UK BIM Manager – July 2016 to February 2018.

At STW Architect I am responsible for the management of BIM implementation primarily for the £350M 35,000sq ft UCLH Proton Beam Therapy Unit on Tottenham Court Road however, my time is also spent on other ongoing BIM projects within the organisation. I am responsible for the development/maintenance of UK STW BIM standards by creating and carrying out weekly BIM presentations with the team to reinforce obligatory guidance. I am involved with the day to day activities of the in-house Revit specialists enforcing BIM documentation requirements for naming conventions, level of model definition and lifecycle management. I attend design coordination meetings which the use of the BIM Level 2 obligatory federated model is used to drive the focus of the meetings. Additionally, I manage performance related BIM model tasks and assist the team with efficient production of information within Autodesk Revit. The creation and deployment of efficient strategies are carried out alongside the BIM steering group at STW head office in Dublin, Ireland. I organise individual and companywide accreditation along with attending major global conferences to talk about STW BIM projects and promote STW as leading architects in BIM adoption. We have presented our project and project BIM capabilities to European government and education institutions who are soon to mandate the BIM Level 2 philosophy.

STOAS Architects Birmingham

Senior Architectural Technologist / BIM Manager– June 2015 to July 2016.

Senior Architectural Technologist / BIM Manager Within Stoas the Project Architect and I are developing the design package for a 20M corporate office extension, a continuation of a multiphase Regional Development Centre development contract for an expanding UK Supermarket chain. Along with meeting expectations from a lead design point of view I am a part of BIM enabled

team. An initial BIM process management discussion with the project participants was the basis for the development of an ongoing BIM strategy which I am responsible for. The software platform used is REVIT 2015.

Stepnell Limited, Worcester, UK

Project Coordinator – September 2014 to June 2015.

As a Project Coordinator I form an essential part of 2 project teams responsible for delivering building development projects of varying size and complexity.

My role entails directing, organizing and controlling project activities under the direction of a Project Manager and Contracts Manager. My role is distributed over main contracts and community enhancement projects.

Main developments include:

- University Park, Worcester 16.5M
- Pershore High school, Pershore 3.5M

The Community Enhancement Projects include:

- Dines Green Primary School
- Villagers Day care Centre
- Golden Valley Sports Club

Scope of responsibilities:

- ✓ Attend client meetings and assist with determination of project requirements
- ✓ Prepare project organization and communication charts.
- ✓ Chair site meetings and distribute minutes to all project team members.
- ✓ Track the progress and quality of work being performed by design disciplines/trades
- ✓ Effectively and accurately communicate relevant project information to the client and project team.
- ✓ Ensure clients' needs are met in a timely and cost-effective manner.
- ✓ Assist the Project Manager (PM) in the review of Contractor quotations to ensure that only fair and reasonable pricing is recommended for approval.
- ✓ Prepare substantial completion certificates and ensure all required project close out documents are obtained.
- ✓ Communicate and implement ideas for improving company processes with a positive and constructive attitude, and for developing this attitude in others.
- ✓ Keep the Project Manager and others informed about project status and issues that may impact client relations.
- ✓ Coordinate monthly work experience for students in order to build relationships within various communities and local authorities.

Digital Surveys 3D Laser Scanning Company, Newcastle, UK

BIM Modeller: September 2013 – March 2014

Within Digital surveys I worked within the 3D modelling team where I was issued point cloud images produced via laser scanning technology from which I modelled various types of commercial structures. This enabled valuable Revit 2014 experience and working within a collaborative BIM enabled environment using central file systems for the instantaneous sharing of design information.

Bovis Homes, Birmingham, UK

Architectural Technician: March 2007- September 2013

During my career at Bovis Homes PLC I was part of the Building technology Department. I completed a BSc. Hons. Architectural Technology Degree concurrently at Birmingham City University. My professional title was Building Technologist / Architectural design Technician. My job roles included:

- ✓ Coordinate building technology information for multiple live sites.
- ✓ Working alongside all project disciplines and provide technical advice through all phases of the project in accordance with NHBC & UK domestic building regulations.
- ✓ With the use of planning drawings and unique site specifications, I must ensure that house type layouts are designed to comply with national house building conditions.
- ✓ Complete working drawing packages using AutoCAD 2/D & Sketch Up 3/D
- ✓ Provide solutions in terms of technical drawings i.e. construction details, to assist site work.
- ✓ Produce Block Plan designs (bespoke and generic).
- ✓ Energy conservation calculations & heat loss calculations for houses and apartments.
- ✓ SAP calculations, production of Predicted Energy Assessments & Energy Performance Certificates.
- ✓ Envelope calculations in aid of production of air pressure tests.
- ✓ Resolving site queries.
- ✓ Ancillary design reviews.
- ✓ Site visits.
- ✓ Problem solving in line with training obtained through various defects courses.

Metsec PLC, Birmingham, UK

3D Modeller February 2005 – March 2007

During my career at Metsec I worked within the Framing Division and the in the subdivision of structural detailing. Initially a scheme would be produced by a design Engineer, with the specific hot and cold rolled steel grades included within the brief. I was responsible for drawing up the 3D model and arranging worksheets into plans elevations and sections and construction details for a project prior to the construction issue. My job role also included:

- ✓ Strip down architectural layouts to leave structural information to enable modelling of the structure
- ✓ Modell infill panel wall systems inclusive of necessary panel bracing members' restraints for purlins.
- ✓ Producing hot rolled construction details through StruCad interactive model viewer
- ✓ Produce and issue 3D models using CAM files to enable onsite steel fabrication
- ✓ Produce and issue comprehensive construction drawing packages.

Cameron Taylor Bedford, Solihull, UK

CAD Technician January 2004-February 2005

During my career at Cameron Taylor Bedford, I was a junior CAD technician but was soon promoted to Trainee Structural CAD Technician in January 2006. I was involved in discussing designs with the engineering team and following the principal designer's instructions for developing a design using AutoCAD before issuing for construction.

Other Information

- ✓ Marital Status: Single
- ✓ Date of birth: 19.11.1986
- ✓ Driving Licence: Held since 07.05.2004

Referees

Dr. Alex Hope

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