

JOSEPH FONTANA

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FontanaArchitecturalDesign.com

PROFILE

BIM-Ops & Protocol Developer with 10 years' experience specializing in Revit. Established methodologies for processing architectural, structural, civil and lighting models to assure stability, file reduction and efficiency when linking to MEP files. Developed operational protocols to facilitate team's ability to communicate design intent. Train engineers on advanced Revit modeling operations for design, production, 3D analysis and MEP Families.

Execute IT-Ops to fulfill core principles of an in-house IT department to effectively support engineering staff through an immediate response to hardware/software analysis and diagnostic needs. Scope includes workstation build proposals, updating existing company machines, researching new or existing software solutions to maximize MEP production aligned with the current needs of a firm.

As a New York based consultant, I have had the opportunity to design, produce, problem solve and execute for some of New York's leading design firms commissioned on substantially high-profile projects. The result of this collaboration is a global design portfolio exceeding 1.2 billion dollars and occupying over 9.5 million square feet. The scope of installations ranges from restaurant, residence, retail, bar, broadcast, kitchen, bath, lighting & furniture design to architectural sculptures exceeding a half million dollars for a single piece of art.

Founder of RevitX, LLC., designer and developer of RevX™: A Revit project template developed to reduce liability through clash coordination, create precise documentation and execute BIM production in 1/10th the time of standard BIM protocols.

Fontana, Joseph. 2020. A methodology using Revit/Supporting software directed by BIM procedural protocols to produce construction documents. *U.S. Provisional Patent 63104070, filed October 22, 2020.*



CORPORATE

MEP

ENGINEERING FIRM

November 2015 - Present

ICOR CONSULTING ENGINEERS, Iselin, NJ

BIM-IT Ops & Protocol Development

Expanding ICOR's capabilities with the creation of two combined departments: BIM-Ops & Protocol Development and IT-Ops. ICOR-Ops: Training email notifications to communicate and address the specific and immediate needs of the team. Building and implementing a knowledge base from the collective efforts of ICOR-Ops. Executing IO meet for group training. Liaison between engineers and the architects regarding model requirements and optimal operations to assure RVT files from all collaborating firms communicate seamlessly.

Template Development

- *View Templates.*
- *Family & Nested Families.*
- *Views and Sheets.*
- *MEP System Families incorporate full range of MEP systems.*
- *Synchronized colors for seamless Revit > AutoCAD exchange.*
- *Preinstalled links retain all view protocol.*
- *Active 3D Methodology*
- *Automated*
 - *Scheduling / Sheet numbering*
 - *Master Drawing List*
 - *Documents / Sheets via view templates*
 - *Schedule guides*
 - *Grid guides*

Projects

505 Pacific Street - Brooklyn, NY
LIC Purves - Queens, NY
Museum of Fine Arts - Houston, TX
Ellipse Building, LLC. - Jersey City, NJ
BRP Crossing Jamaica Station - Queens, NY
252 South Street - New York, NY

Architects

Beyer Blinder Belle
FXFowle Architects, LLP.
Kendall/Heaton Associates, Inc.
HLW International
FXFowle Architects, LLP.
AAI Architects, P.C.

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ARCHITECTURAL DESIGNER

June 2004 -
March 2014

REVIT SPECIALIST

January 2010 -
Present

FONTANA ARCHITECTURAL DESIGN, New York, NY

Architectural Designer - Revit Specialist - BIM/CADD-Ops & Protocol Development

Scope of Services

- Master Planning
- Architectural Design
- Lighting & Furniture Design
- Director & Project Management
- Preliminary Engineering
- Code Compliance
- BIM/CADD Ops & Protocol Development
- Revit & AutoCAD Administration
- Revit Families
- Data Communications
- IT Support, System Technician
- Hardware / Software Installations & Modifications
- Networking & Diagnostics
- Consulting / Training: all levels

Clients

AKF Group
Bernard Tschumi Architects

Columbia University
Desimone Consulting Engineers
Frank Williams Architects

Kohn Pedersen Fox Associates
Michael de Santis
Publicis Events

Rockwell Group
Ronnelle Riley Architect

SBLM Architects
Schwinghammer Lighting
Thierry W. Despont

Projects

Extell, New York, NY
Le Fresnoy, Studio National Des Arts Contemporains -
Tourcoing, France
Capital Improvement Program - New York, NY
Revit Structure - Virtual Development - Global
Mercury City Tower, Moscow New Ring -
Moscow, Russia
Marina Towers - **Beirut**, Lebanon
Bellagio - Prime Steakhouse - Las Vegas, NV
CNN: American Morning, Headline News, Anderson
Cooper 360, Nancy Grace, Paula Zahn,
Time Warner Center - New York, NY
CNNI: Atlanta, **London & Hong Kong**
MGM Mirage CityCenter - **Las Vegas**, NV
NYCHA HSCIP: New York City Housing Authority,
Hurricane Sandy Capital Improvement Program
Coalco Lofts - Jersey City, NJ
Bloomingdales, Private Residences - New York, NY
Residence - **St. Moritz**, Switzerland, **London & New York**
Hôtel de Crillon - **Paris**, France

CORPORATE

STRUCTURAL ENGINEERING FIRM

March 2014 -
July 2015

DESIMONE CONSULTING ENGINEERS, New York, NY

Revit Specialist - BIM/CADD-Ops & Protocol / Family Development

Virtual structural model development for architectural firms (e.g., Robert A.M. Stern Architects; Skidmore, Owings & Merrill and Kohn Pedersen Fox Associates). Executing precise slab, column, shear wall and link beam components. Coordinating column walks, MEP and elevator shaft openings. Rebar reinforcement and structural details.

Projects

220 Central Park South - New York, NY
252 East 57th Street - New York, NY
45 East 22nd Street - New York, NY
400 Park Avenue South - New York, NY
Flushing Commons - Flushing, NY
Zayed Military Hospital - Abu Dhabi, UAE

Architects

Robert A.M. Stern Architects / SLCE Architects
Skidmore, Owings & Merrill
Kohn Pedersen Fox Associates
Goldstein, Hill & West Architects
Christian de Portzamparc Handel Architects
Perkins Eastman / Leo A. Daly Company

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EXTENDED CONTRACTS

MEP
ENGINEERING FIRM
November 2013 -
March 2014

AKF GROUP, New York, NY

Revit Manager

Managed Revit MEP models: Including an 88-story, 1,550-foot residential condominium tower containing over a million square feet with 285,000 of it for retail space. Maintained model's integrity through Revit's Coordination Review and Copy/Monitor.
Projects: **Extell, New York, NY**

NYCHA HSCIP:
HURRICANE SANDY
CAPITAL IMPROVEMENT
PROGRAM
March 2013 -
July 2013

RONNETTE RILEY ARCHITECT, New York, NY

Architectural Designer - Revit Specialist - BIM/CADD-Ops & Protocol Development

Lead Revit consultant for operational protocol and procedures. Orchestrated construction documents of 57 buildings for NYCHA encompassing five developments; Astoria, Beach, Hammel, Oceanside and Redfern.
Projects: **NYCHA HSCIP, Brooklyn, NY**

RESIDENTIAL
June 2007 -
March 2008

THIERRY W. DESPONT, New York, NY

Architectural Designer / Lighting & Furniture Designer, CADD-Ops & Protocol Development

Developed designs for a forty thousand sq. ft. addition. Implemented new designs from hand sketches to design documents for client review and preliminary shop drawings for pricing to fabricators.
Project: **Private Residence, St. Moritz, Switzerland**

COMMERCIAL
June 2006 -
February 2007

ROCKWELL GROUP, New York, NY

Architectural Designer / CADD-Ops & Protocol Development

Preliminary engineering for a tree house bar, glass bridge and architectural sculptures.
Projects: **MGM Mirage CityCenter - Las Vegas, NV**

COMPUTER SKILLS

CADD-Ops

- Design & Construction Documentation
- HVAC & Plumbing Mechanicals

Methodology

- 3D Analysis
- Light & Color Analysis
- 2D Design Doc Sketching
- 2D Assist 3D Design Process

Technology

- 3D Modeling
- Ray Tracing
- Animation
- Photo Retouching
- Illustration
- Page Layout
- 2D/3D Presentations
- Data Security

Software

- Autodesk: Revit, AutoCAD
3ds Max Design
- 20-20: 20-20 Design, Cap Studio, Giza Studio, Visual Impression
- Adobe: In Design, Photoshop, Illustrator, Acrobat X Pro
- Graphisoft: ArchiCAD
- AutoDesSys: Form-Z

EDUCATION

FASHION INSTITUTE OF TECHNOLOGY, New York, NY: State University of New York

Bachelor of Fine Arts in Interior Design: Minor: Art History

Courses included: Environmental Psychology; Lighting Design; Contract, Institutional, and Mercantile Design; Textile Science; Pre-Columbian, East Asian and African Art.
Independent Study: **Solar Design, Color Analysis, Color and Light Physics.**

AWARDS & HONORS

Jacob K. Javits Convention Center, New York, NY

International Furniture Conference: Furniture design was selected for exhibition.

William C. Raiser Award for Outstanding Merit In Interior Design.
Morris W. & Fannie B. Haff Honor Scholarship; Dean's list.