

# SENIOR ARCHITECT | PROJECT + DESIGN MANAGER

Stephen Synakowski RA, NCARB, AISC

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*NYS Registered Architect. National Board Certified. Professionally Insured. Business Licensed NYS. Seek contract, commission, consultant role incl. Remote with AE, AEC, Developer, Stakeholders, Owner. Parametrics in urban projects delivery. Technical + Management Digital. BIM, Projectwise 365, TestFit. Digital tools, Agile Development, decision trees, cost, scope, QA/QC, energy, sustainability, Program Management, Engineering. New York, Chicago, Washington.*

*Value Adds: (i) Sustainability / Resiliency / Environment; CDBG-DR, SEQR, NYS DEC; (ii) Program Management / Database; (iii) Structural + Civil Engineering*

## STRENGTHS

- Database. Quickbase, Sharepoint
- Life Cycle Cost, Scope, Schedules,
- Sustainability, Resilience, LEED, NYSDEC
- Adaptive Reuse, Historic, Repurposing
- Predictive Management Models
- Structural, incl. Etabs, Digital Project

## EXPERIENCE

**Design and Technical Principal | TectonX.** New York.

2010-2014; 2019-

Architectural Services: *Multifamily.* Modular steel mid + lowrise prototypes, NYC; Parametric Agile Development Proposal for Catia. Commercial Tower proposals Manhattan: Condominiums, Bryant Park at 40<sup>th</sup> St. (w/ Graeff Engg Chicago); Stagger truss midrise, Highline Chelsea; Lowrise Riverdale; *Educational.* Auditorium, Eastchester Jr/Sr High School, Bronx; *Industrial.* Cantilevered steel entry building, Harlem River Yards Ventures, Bronx; Land valuations + Heat Mapping, Manhattan; Offered Design Management Lead 2012, Shanghai, for CK Design, Melbourne, AU. | Owner Representative / Program Management w/ Technical Oversight: *Educational.* Supervise AOR, design, costs + schedule for Child School Arts Center, Roosevelt Island, NYC.

**Managing Architect | Engineering + Environmental | for IBTS as Owner's Rep NYC Office of Housing Recovery.** New York.

2014-2019

Owner Representative / Program Management / Environmental + Engineering Oversight: Supervise AORs/EORs w/r to Design, Code + Environmental Conformance, incl. Compliance + Filing, \$75MM of \$400MM CDBG Community Resilience and Sustainability FEMA Contract. Work directly w/ NYSDEC + NYCDOB. Renovation, new construction, modular. Engineering incl. streets, storm, san, shorelines. Codes, life safety, foundations, geotechnical. Manage 20 commissioned and in house staff. RA s + PEs. Progress + Special Inspections. Program Management, Office Budget, Procurement, Staffing.

**Principal | Stephens Architecture.** Chicago.

1982-2010

Architectural Services: Regional Architectural Practice. Midsize Commissions. *Educational.* Midwest + East Coast. Campus Architect for Lake Forest College, Lake Forest, IL. Dormitories, assembly, athletic, land planning, advisory technical; *Residential.* Highrise proposals. Adaptive reuse low and midrise multifamily. *Commercial.* Medical office buildings and buildouts. Free standing commercial buildings incl. shopping centers. Streetscape CDBGs, Chicago; Commercial and Residential *Interiors.*

**Architect | Perkins + Will,** Chicago, Washington DC; **Designer | John Carl Warnecke,** Washington DC;

-1982

Architectural Design + Technical: Corporate. Large private commissions. US + International incl. Egypt, Thailand, Iraq, Saudi Arabia. Schools + collegiate, campuses, commercial highrises, industrial, healthcare incl. hospitals, labs, clinics. Perkins + Will Chicago w/ Ralph Johnson FAIA, International Design Chair.

## SKILLS

- Steel, concrete, wood design. Trusses, frames, precast. NYC Local Law 11;
- Steel Modular low + midrise residential;
- FEMA, Elevated bldgs. Shoreline. Geotechnical. Helical piles;
- ProjectWise, BIM360, Quickbase, Sharepoint; TestFit
- Sketchup, Rhino, Maya, Vray;
- AutoCad, Vectorworks, Revit, Tekla, Etabs;
- RFI, PAA, PWs, TRs, Closeouts. NYCDEP. EPA. NYSDEC. RFA. Landuse Planning. NYCDOB Reviews, Code Amendments;
- Progress + Special Inspections. Planning review, zoning variations, hearings. ADA.

## DEGREES | UNIVERSITY TEACHING | OVERSEAS

- Adjunct Asst. Professor Architecture
- Master of Architecture \_ M Arch
- European Urban Travel Study
- Bachelor of Arts \_ BA
- University of Illinois Chicago. Taught First Degree B Arch Program. Highrise Design, AutoCad. W/ Stanley Tigerman FAIA. M Arch programs by Rem Koolhaas + Dan Liebskind;
- Princeton University School of Architecture and Urban Planning. 2 Graduate Prize Fellowships. W/ Michael Graves, Charles Valhonnrat, Anthony Vidler, Robert Maxwell;
- Modernism in European Cities. Continental Study Tour. Finland to Greece. Urban modernism;
- Princeton University. Top Honors. *summa cum laude.* Traveling Prize. Mathematics.

## LICENSES | CERTIFICATIONS

- Registered Architect: NY, NJ, MA, CT, IL
- National Board Certified: Reciprocity, Mentor Architects in Training
- NYS CEDAR Qualified Disaster Relief Responder: Hurricane, Flood, Earthquake

## Professional Summary

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### Professional Role

*"Develop and implement design and delivery strategies for large scale urban buildings, scales and types based upon measurable quantitative parameters including:*

*Scope, cost, energy, structure, MEP, components systems + details, design + delivery parametrics, contract model, schedule, critical path, etc.."*

*Services by the Architect/Engineer are understood in terms of an organized method leveraged by computation linking design, documentation, construction delivery and facilities management (BIM).*

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### Professional Focus

**Urban Buildings + Capital Improvements:** Education, MultiFamily, Commercial. Transportation. City as sustainable, socially + economically defensible. Buildings + planning. City creates social, visual, financial, cultural value.

**Strategic Stance:** Versatile grasp of project components from top down. Manage and define architectural and engineering alternatives as functions of location, time, and cost in relation to deadlines, technical and programmatic constraints, contingencies, alternatives, etc.. Due diligence. Schedules, quality assurance, quality control, program and project management softwares, scope and cost software.

**Construction:** Attention to building materials, technologies and newer products. Building delivery strategies in relation to engineering. Concept structural design. Design + Delivery through parametrics. Construction phase PM. Engineering incl. structural, concrete, steel, wood. MEP incl. sustainable. Steel stacked modular systems for multifamily. Change orders, field orders. RFI, PW, TRs, etc.. Inspection oversight with NYCDOB, Progress and Special Inspections.

**Background:** Range of program types and contract settings including AIA, CMAA, Letter of Intent. Clients: private boards, individuals, developers, engineers, architects, insurance, public/private agencies, government. Oversight and program/project management since 2012.

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### Professional Method

#### **Process**

Consideration of design and delivery of urban buildings in relation to parametric process linking design, documentation, and building delivery through construction technology. Process as Design.

#### **Design Delivery**

Deliberate career wide involvement in many aspects of professional service, including construction onsite, project management, technical detail, design & engineering. Recent contract experience includes oversight and quality control of deliveries of multiple smaller AE offices.

#### **Computers**

Digital language of engineering and architectural design, together with project management, invites that built form is defined more and more by technical and management decision making. Also influencing are new midscale proprietary delivery models such as "Speedcore" (c) or steel stacked modular.

### *Digital in Design + Management since 2012.*

The Child School, Roosevelt Island, NYC. 2012-3. Owner Rep for 4MM buildout of Arts Center in Modernist Building by Jose Sert (past Dean Harvard GSD); Institute for Building Technology and Safety (IBTS). Bronx, Brooklyn, Queens, Staten Island. 2014-2019. QAQC, engineering oversight, environmental oversight, program management, legal due diligence. Contract closeouts; Responsibility for 75MM. of 400MM total awarded contract; IBTS one of 4 federal contractors for 2.2 Billion federal funds grant to NYC Mayor's Office of Housing for residential and community development, SuperStorm Sandy 2012. Agile Developer Breach Proposal. 2021. Prepared for Catia. White paper exploring key considerations linking modular parametric design with project design and delivery. Modular Offsite Manufactured Multifamily Housing. Five Cartesian Proposal Building Types. 2021. Outline of Open Steel Frame Modular building types: scattered site, lateral responsive, vertical response, traditional, terraced.

### Projects Website

### Management + Technical Skills Website