

# JOEL OCHS

M. ARCH

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## ARCHITECTURAL DESIGN / DESIGN- BUILD / CONSTRUCTION MANAGEMENT

- Affinity for design and its application in the built environment
- Experience providing design and construction-phase services, working effectively with clients, architects, project managers, engineers, consultants, and contractors
- Expand and integrate various pragmatic and conceptual design and construction processes
- Demonstrated experience in design and construction development of mid-to large scale projects, including several multi-million dollar projects
- Design experience includes: single-family residential design/construction, prefab and/or modular design/construction, residential design, site design, and basic landscaping
- Coordinate projects from conception to completion, ability to "wear many hats" and transition into different roles

## EDUCATION

SOUTHERN CALIFORNIA INSTITUTE OF ARCHITECTURE (SCI-ARC) - Los Angeles, California

Masters of Architecture

Graduated: October 2011

HARVARD UNIVERSITY - GRADUATE SCHOOL OF DESIGN - Cambridge, Massachusetts

Architecture - Career Discovery Program

Completed: Summer 2007

PURDUE UNIVERSITY - West Lafayette, Indiana

Bachelor of Science - Building Construction Management Technology

Graduated: May 2002

## PROFESSIONAL CERTIFICATIONS

- NCARB Accreditation—*In Progress*
- LEED AP Certification—*In Progress*
- FMI – Project Management Academy 2007
- OSHA 30 Hour Construction Certified – 2002, 2006
- OSHA 8 Hour Soils and Underground Construction Certified

## PROFESSIONAL EXPERIENCE

### ARCHITECTURAL DESIGN & DESIGN-BUILD:

CHIP: 2011 - SCI-ARC/CALTECH - D.O.E. SOLAR DECATHLON – Los Angeles, CA & Washington, D.C.

TEAM DESIGNER, BUILDER & CHIEF HEALTH SAFETY OFFICER

2010-2011

- CHIP was ranked 1st in Solar Production, 2nd in Engineering, 3rd in Affordability, and was 6th overall <http://www.chip2011.com/>
- Designed and built a modular solar home to compete in an international competition of 20 teams
- Assisted in the design of the "Puft" vinyl membrane wrapped exterior insulation system than uses exterior insulation minimizing thermal bridging and making a consistent R-40 thermal rating
- Electrical installation of super efficient devices and wiring on a complex Caltech engineered electrical design
- Enforced best safety practices to team to minimize safety hazards

KYLE ZICK LANDSCAPE ARCHITECTURE - Boston, Massachusetts

TEAM DESIGNER

Summer Internship 2010

- Assisted the project architect in two new bridges and paths for Franklin D. Roosevelt Home & Library for the National Park Service

LEON FISHER & ASSOCIATES - St. John, Indiana / RUETH BUILDERS, INC. - Hammond, Indiana

TEAM DESIGNER

1996-2000

- Led several projects ranging from custom additions to custom homes in excess of 7200sf
- Collaborated with design team in the design over 50 residential design projects

### *Design/Build Responsibilities & Skills Summary:*

- Experience with construction documents and technical drawings, conceptual design, and residential design including renovations, interiors and new construction

- Experience with site design—orientation, grading, foundation design, utility layout, and landscape design
- Collaborated with project architects and team members in drawings for schematic design and design development, computer modeling, building, rendering, design sketches, constructing 3D models, graphics, assembling image boards, electronic and manual drafting, calculations and analysis, and presentations
- Assisted design teams with the coordination of clients, consultants, suppliers, contractors, and staff
- Continually reviewed compliance with design intent, use of materials and coordination with specifications

#### **CONSTRUCTION MANAGEMENT:**

**BURLING BUILDERS, INC. - Chicago, Illinois**

**PROJECT MANAGER/ PROJECT SUPERINTENDENT**

**2004-2007**

- Project Superintendent responsible for final closeout of an \$8.5 million Renovation of a 63 unit LEED Accredited residence with a geothermal heat-pump HVAC system for low income residents
- Project Manager of buy-out, planning and managing of an \$3.0 million renovating and converting a Rectory of a 14 unit residence for disabled Veterans
- Project Manager of buy-out, construction, and close-out of a new \$6.6 million 55 unit senior living apartment residence in Chicago, Illinois
- Project Manager of close-out procedures of a new \$5.5 million 1200 seat church facility including rectory, and offices in Chicago, Illinois
- Project Manager of close-out, and Project Engineer of management and buy-out of a \$5.6 million common spaces renovation of four Chicago Housing Authority senior living residences while being occupied with a combined total of over 800 residences

**MANGANARO MID-ATLANTIC, LLC – Beltsville, Maryland**

**PROJECT ENGINEER**

**2003-2004**

- Responsible for estimating for one of the nation’s largest drywall and masonry team, supporting over \$300 million in governmental, educational and healthcare projects
- Managed construction administration of masonry construction of the new Dental School at the University of Maryland, Baltimore, MD

**HARVARD UNIVERSITY/PLANNING & REAL ESTATE - Cambridge, Massachusetts**

**SUMMER INTERNSHIP**

**2001**

- Coordinated and supervised construction sites to keep high profile projects on schedule
- Improved tenant and neighborhood relations with the university by keeping residents informed of current and future projects

#### ***Construction Management Responsibilities & Skills Summary:***

- Possess a strong understanding of commercial/institutional construction procedures and sufficient knowledge of engineering disciplines to coordinate work
- Experience with consultant, self-perform, contract and subcontract administration including scheduling, estimating, proposals, procurement, budgeting, contract reviews and negotiation, submittal and RFI process, field installations, mechanical and technical systems coordination, oversee on-site and off-site construction, process documentation, As-Built plans, quality control, risk management, project tracking, and close-outs
- Collaborate with project managers, project architects, engineers, owners, contractors, inspectors, and staff to trouble shoot problems and technical issues
- Responsible for project research, data collection and analysis, and consultation to the team providing options on construction means, methods and equipment, as well as project processes
- Monitor jobsite safety and accident prevention
- Deliver project in accordance to client’s and financial standards

#### **SOFTWARE PROFICIENCIES**

- Autodesk: Auto CAD 2010, & Maya 2010
- Adobe CS5: Illustrator, Photoshop, In-Design
- McNeil: Rhinoceros 4
- MS Office Suite: Word, Excel, & Project
- Primavera: Scheduling, & Project Management
- Timberline: Project management, Estimating, & Accounting

#### **AWARDS & AFFILIATIONS**

- Associate Member of American Institute of Architects (Assoc AIA)
- 1998 Northwest Indiana Builders Industry Association Scholarship Recipient