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Patrick M. Hassett, S.E.
President, Hassett Engineering, Inc.

Education: **University of California, Berkeley**
MS Structural Engineering, May 1985
BS Civil Engineering, March 1983

Licensing: Structural: California, Illinois, Utah, Nevada
Civil: California, Illinois, Utah, Nevada,
Washington, Missouri

Affiliations: SEAONC Member, ASCE Member,
American Institute of Steel Construction Code Committees: Seismic
Provisions, AISC Committee on Specifications

Accolades: Recognized by Nucor "Minds of Steel"
AISC 2023 Special Achievement Award for advancing the state of the art
in erection engineering

EXPERIENCE:

UC Berkeley *Fall 2013*

Instructor, Lecturer;
Design and Behavior of Steel Structures

HASSETT ENGINEERING, INC.

2/1/1995-present

Structural Engineering:

- Erection engineering for complex Steel Structures
- Steel Welded and Bolted connections in seismic and static applications.
- Welding details and sequences for heavy weldments.
- Steel Shop Drawing and Connection Review: Bridges, Commercial and Industrial Structures.
- Structural Design and Analysis in Steel, Concrete, Timber, Masonry: Industrial, Commercial Buildings, Parking Garages, Bridges.
- Review of crane erection and takedown procedures.
- Tower Crane Footings and ties to building.
- Falsework Design.
- Buckling Restrained Brace Design and Testing.
- Erection Plans for Framing Systems: Providing support and stability during erection.
- Welding procedure review.



Crane Design.

Structural Engineering Services in the design and analysis of crane systems and components for local crane manufacturers, addressing impact and fatigue considerations.

SAC Phase I.

Work done as member of the **Technical Advisory Panel** to develop and test effective schemes for repair and upgrade of damaged moment connections. Preparation of procedures specifying the sequence of operations for U.T. of existing welds, clean up and rewelding of joints, and installation of connection reinforcements. Preheat and sequencing to minimize residual stresses due to welding.

Procedures were used on full sized test specimens which were cyclically loaded to failure.

SAC Phase II.

Participated in the planning of test topics.

THE HERRICK CORPORATION, Pleasanton, CA

Chief Engineer 1/93 to 2/95

Responsible charge of project engineering of all projects for the proper interpretation of structural designs to meet detailing, fabrication and erection requirements. Consideration includes scheduling, value engineering, welding configurations, and evaluation of all structural details for conformance with shop and field practices. Resolved problems encountered with shop and field: Welding repairs due to findings from U.T. inspectors, fit-up conflicts, erection devices. (A partial list of buildings engineered under my supervision is available upon request). Commercial, Industrial and Bridge Structures.

Assistant Chief Engineer 6/91-12/92

Responsible for supervision of in house scheduling, detailing, coordination, and data entry of all jobs as well as project engineering on numerous jobs. Drawing issue for shop fabrication and field erection. Design revisions and schedule requirements thereof.

Project Engineer 7/87-5/91

Responsible for project engineering on several high-rise structures. Some of the more noteworthy buildings are listed below:

- 777 Tower - Downtown L.A. 52 stories (moment frame)
- Cal Plaza - Downtown L.A. 54 stories (moment frame)
- 1999 Avenue of the Stars - Century City 40 stories (EBF)

Performed **construction engineering** for the erection of many structures including the **tallest building on the west coast**, First Interstate Tower...

- First Interstate Tower - Downtown L.A. : 75 stories (dual system)

Designed and implemented systems for the support and stabilization of the tower crane and derrick used to erect the structure. Designed all gravity connections for the building.

- Symphony Towers - San Diego : Twin Towers with a 5-story bridge spanning 150 feet across the existing San Diego Symphony building. Designed all Temporary Hangers and other falsework for the erection of the bridge and determined the required elevations to follow during the various stages of erection.

SKILLING WARD ROGERS BARKSHIRE/ROGERS & LUDKE

Project Engineer 12/85-6/87

Design of various structures in steel, reinforced concrete, timber, and masonry. Commercial, residential, condominiums, and theaters.



CONTINUING EDUCATION:

- **SEAONC AND AISC seminars:** regular attendance on many programs.
- **AISC National Conference attendance:** St. Louis 2013, Dallas 2012 (speaker), Pittsburgh 2011, Orlando 2010 (speaker), Phoenix 2009, Nashville 2008, New Orleans 2007 (speaker), San Antonio 2006 (speaker), Montreal 2005 (speaker), Long Beach 2004, Baltimore 2003, Seattle 2002 (speaker), Ft. Lauderdale 2001, Las Vegas 2000 (speaker), Toronto 1999 (speaker), New Orleans 1998, Chicago 1997, Phoenix 1996, San Antonio 1995, Pittsburgh 1994, Las Vegas 1992, Kansas City 1990.