



SAM S. VACEK, P.E.

Principal Engineer/Structural & Architectural

PROFESSIONAL SUMMARY

- Forty years experience as a Structural/ Architectural Engineer with experience in structural design, failure analysis, and construction monitoring of commercial and residential structures.
- Master of Science Degree in Civil Engineering
- Bachelor of Science Degree in Architectural Engineering
- Registered Professional Engineer in Multiple States

Primary Areas of Consultation and Expertise:

Single family and multi-family residences, schools, office warehouses, strip shopping centers, restaurants, commercial office buildings, hospitals, bridges, towers and retaining structures.

Thorough familiarity with the International Building Code, International Residential Code, Uniform Building Code, Standard Building Code, Life Safety Code, Underwriters Laboratories Fire Resistance Directory, Underwriters Laboratories Building Materials Directory, International Conference of Building Officials Research Reports, and applicable Occupational Safety & Health Administration requirements.

Thorough experience in computer aided design and analysis.

Structural

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Architectural Engineering

22898 Weser Drive • Porter, Texas 77365
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PROFESSIONAL EXPERIENCE1993 to **Vacek Group, LLC**

Present Porter, Texas

Principal Structural Engineer

Responsible for the design and failure analysis of structures and their individual components. Experience includes single family & multi-family residences, commercial office buildings, historical buildings, industrial complexes, institutional structures, parking garages, tanks, bridges, retaining structures, and towers. Forensic investigations and expert witness services provided for cases such as structural failures, explosions, fires, foundations, plumbing leaks, toxic mold, moisture analyses of buildings, construction defects, and third party opinions. Computer aided design and analysis utilized.

1988 - 1993 **CH&A CORPORATION**

Kingwood, Texas

Senior Structural Consulting Engineer

Responsible for the design and failure analysis of structures. Projects include single family & multi-family residences, commercial office buildings, industrial complexes, institutional structures, parking garages, petrochemical facilities, tanks, bridges, retaining structures and towers. Computer aided design and analysis utilized. Forensic investigations and expert witness services provided for cases such as structural failures, foundations/plumbing leaks, moisture analyses of buildings, construction defects, third party opinions, and slip and falls. Damage assessments for structures having been affected by explosions and seismic activity. Computer aided design and analysis utilized.

1987-1988 **ASL CONSULTING ENGINEERS**

Santa Ana, California

Structural Department Manager/Project Manager

Responsible for operation of structural office for ASL Consulting Engineers in Santa Ana, California utilizing computer drafting and engineering for design, analysis and investigations. Projects include office buildings, bridges, schools, hospitals, single and multi-family residential, pump stations and reservoirs. Damage assessments performed for structures involved in earthquakes.

1984-1987

VACEK STRUCTURAL CONSULTANTS, INC.

Houston, Texas and Santa Ana, California

President

Responsible for complete operation of six person structural engineering firm with the application of computer drafting and engineering for design, analysis and investigations. Projects include single-family residences, multi-family dwellings, office warehouses, strip shopping centers, commercial office buildings and water treatment structures, bridges, schools, hospitals, pump stations and reservoirs.

1980-1984

INTERFIELD ENGINEERING COMPANY

Houston, Texas

Structural Department Manager / Project Manager

Responsible for client relations, production and coordination of civil, structural, mechanical, electrical and plumbing disciplines of various projects including single-family residential, multi-family residential, office warehouses, strip shopping centers, commercial office buildings and medical office condominiums.

1978-1980

B.A. KALMANS & ASSOCIATES

Houston, Texas

Structural Project Engineer

Responsible for design, production, and client relations of various projects including single-family residences, strip shopping centers, office warehouses, and commercial office buildings.

1977-1978

WALTER P. MOORE & ASSOCIATES

Houston, Texas

Structural Design Engineer

Responsible for design calculations and detail development of various projects including schools, strip shopping centers, and commercial office buildings.

EDUCATION

Bachelor of Science Architectural Engineering
University of Texas, Austin, Texas, 1976

Master of Science Civil Engineering
University of Houston, Houston, Texas, 1979

REGISTRATIONS

Registered Professional Engineer in the States of Arkansas (inactive status), California (active status), Florida (inactive status), Louisiana (inactive status), Oklahoma (inactive status), New Mexico (inactive status), Nevada (inactive status), South Dakota (inactive status), and Texas (active status).

AFFILIATIONS

American Concrete Institute
American Institute of Steel Construction
American Society of Civil Engineers
Structural Engineers Association of Texas

APPOINTMENT

Texas Department of Insurance Qualified Windstorm Inspector

PATENT

System and method for inhibiting moisture and mold in an outer wall of a structure.
Publication number: US7247090 B2
Application number: US 10/006,635
Publication date: July 24, 2007