



PROFESSIONAL RESUME FOR:
JEFFREY J. LIEDEL, P.E.
Engineering Manager

SUMMARY

Jeff Liedel, P.E. is a registered civil engineer, with 18 years experience in providing engineering services in a variety of construction related fields. He currently serves as Engineering Manager of Wheaton Sprague, providing technical and managerial support for the Building Envelope Division, which includes work in exterior and interior curtain wall, panel and stone systems, and other architectural components. Mr. Liedel's experience includes directing and performing design and structural analysis for curtain wall and related structural support systems, utilizing members of aluminum and steel. Additionally, he has extensive experience in design and management in the engineering of temporary structures, including concrete falsework and formwork, scaffolding and bleacher systems.

EDUCATION

1993 - Bachelor of Science in Civil Engineering, University of Illinois
Professional Engineering License: 1997

PROFESSIONAL REGISTRATIONS

CALIFORNIA	DIST. OF COLUMBIA	MARYLAND	MICHIGAN
MISSISSIPPI	NEVADA	NEW MEXICO	OKLAHOMA
OHIO	PENNSYLVANIA	SOUTH DAKOTA	TEXAS
UTAH	VIRGINIA	WASHINGTON	

PROFESSIONAL EXPERIENCE

2006-Present: Wheaton Sprague, Inc., *Engineering Manager, Stow, OH*

Mr. Liedel provides supervision, project management, design work and administration as well as quality control for various types of exterior cladding systems within Wheaton Sprague's Building Envelope Engineering Division. Mr. Liedel has provided analysis of exterior cladding framing systems, including aluminum curtain wall aluminum ribbon window, aluminum storefront, aluminum skylight/sloped glazing systems, steel veneer curtain wall, and timber framed curtain wall, including member, connection and anchorage analysis. He has provided analysis of exterior panel cladding systems, including steel sheet panel, corrugated steel panels, aluminum sheet panels, aluminum corrugated panels, aluminum composite panels (ACM), zinc composite panels (ZCM), steel faced insulated panels, and aluminum faced insulated panels, perforated aluminum sheet panels, extruded terracotta panels, and the aluminum and/or steel support/anchorage systems. Mr. Liedel has provided analysis of exterior sheathed light gage walls, including member and anchorage analysis, interior and exterior glass, including both full captured and point supported conditions, analysis of concrete anchorage systems, including both cast in place and post-installed anchors per ACI 319 Appendix D, and the analysis of custom manufactured cast in place anchors per appropriate industry standards. Mr. Liedel has provided analysis of stone cladding systems, including analysis of stone panels, aluminum and/or steel support / anchorage system.

1999-2006: Symons Corporation/Safway Formwork Systems, *National Applications Manager, LLC, Cleveland, OH*

Mr. Liedel supervised an engineering group of seven PE's and over 40 designers located nationwide. He provided engineering support and training for designers, engineers, and salespeople. He was responsible for the design, analysis, and inspection of concrete falsework and formwork systems, and was furthermore responsible for the management and analysis of engineering workload nationwide.

As Regional Engineer, Mr. Liedel provided engineering support and training for designers, engineers, and salespeople. He was responsible for the design, analysis, and inspection of concrete falsework and formwork systems. He assisted in the development of comprehensive design standards and assembly instructions for

new products.

1993 - 1999: Waco Scaffolding and Equipment, Chief Engineer, Cleveland, OH

Mr. Liedel was responsible for oversight and direction of engineering department in providing engineering support to all branches. He represented his company at technical meetings of various industry groups.

As Branch Engineer, Mr. Liedel was responsible for the design, analysis, and field inspection of concrete falsework, formwork, temporary bleachers, and scaffolding systems. He provided supervision of the erection / dismantle jobs.

As Staff Engineer, Mr. Liedel was responsible for the design, analysis, and field inspection of concrete falsework, formwork, temporary bleachers, and scaffolding systems.

Jeffrey J. Liedel, P.E.

PROJECT EXPERIENCE HIGHLIGHTS BUILDING ENVELOPE AND RELATED SERVICES:

Children's Hospital of Philadelphia II - <i>Philadelphia, PA</i>	Van Andel Institute - <i>Grand Rapids, MI</i>
Cleveland State University Fenn Tower -- <i>Cleveland, OH</i>	125 W 21 st - <i>New York, NY</i>
Washoe Medical Center - <i>Reno, NV</i>	Ball Memorial Hospital -- <i>Muncie, IN</i>
Two Peachtree Point -- <i>Atlanta, GA</i>	Goldsboro City Hall -- <i>Goldsboro, NC</i>
Jackson High School Addition -- <i>Massillon, OH</i>	PSU Handrail - <i>University Park, PA</i>
32 West 18th Street - <i>New York, NY</i>	Science Center - <i>Philadelphia, PA</i>
Telyas Residence - <i>Old Westbury, NY</i>	PSU Dickinson School of Law - <i>University Park, PA</i>
Hudson River Museum -- <i>Yonkers, NY</i>	Heinz 57 Bldg - <i>Pittsburgh, PA</i>
Eisenhower Office -- <i>Washington, DC</i>	Grace Hospital - <i>Morgantown, NC</i>
Denver Museum Contemporary Art -- <i>Denver, CO</i>	Yale Steam Laundry Condo 1 -- <i>Washington, DC</i>
ASHA National Office -- <i>Rockville, MD</i>	Valdese Hospital -- <i>Valdese, NC</i>
Raleigh Convention Center -- <i>Raleigh, NC</i>	SUNY Health Science Center -- <i>Syracuse, NY</i>
Tower II - <i>Rockville, MD</i>	Seneca Wall Evaluation - <i>Niagara Falls, NY</i>
Crate & Barrel -- <i>Bridgewater, NJ</i>	Harris Teeter #313 - <i>Prince Wm Cty., VA</i>
Forsyth Medical Center - <i>Winston-Salem, NC</i>	Harris Teeter #316 -- <i>Woodbridge, VA</i>
West VA Learning Center -- <i>Morgantown, WV</i>	1010 Mass Ave -- <i>Washington, DC</i>
Akron Fire House 0606025 -- <i>Akron, OH</i>	Sacred Heart Chapel -- <i>Fairfield, CT</i>
Brooks Hall Renovation - <i>Morgantown, WV</i>	History of Art Bldg (Yale) - <i>New Haven, CT</i>
Tower II - <i>Rockville, MD</i>	100 M Street -- <i>Washington, DC</i>
Panorama Condo - <i>Las Vegas, NV</i>	Ross School of Business - <i>Ann Arbor, MI</i>
Cabell- Huntington Hospitals - <i>Huntington, WV</i>	Dynetech Centre -- <i>Orlando, FL</i>
Forsyth Medical Center - <i>Winston-Salem, NC</i>	Information Commons - <i>Loyola University -- Chicago, IL</i>
Harris Teeter Store #284 -- <i>Ashburn, VA</i>	Grange Insurance -- <i>Columbus, OH</i>
Magee Women's Hospital -- <i>Pittsburgh, PA</i>	Commonwealth 1 -- <i>Chantilly, VA</i>
Carolina Medical Center -- <i>Charlotte, NC</i>	NAHB Research Center - <i>Upper Marlboro, MD</i>
Westin Hotel -- <i>Baltimore, MD</i>	Broken Arrow Performing Arts Center- <i>Broken Arrow, OK</i>
McNay Art Museum - <i>San Antonio, TX</i>	Lafayette Tower - <i>New York, NY</i>
150 Amsterdam Ave - <i>New York, NY</i>	WMU - Kohrman Hall -- <i>Kalamazoo, MI</i>
WBM Conservatory System -- <i>Arlington, VA</i>	Carolinas Medical Center -- <i>Pineville, NC</i>
246 Spring Street - <i>New York, NY</i>	WV Biomedical Research Facility -- <i>Morgantown, WV</i>
Central VA Orthopedic Center -- <i>Lynchburg, VA</i>	Palmer House -- <i>Chicago, IL</i>
Northwestern University -- <i>Evanston, IL</i>	Royal Bank of Scotland -- <i>Stamford, CT</i>
GSU Science Park -- <i>Atlanta, GA</i>	Cleveland Museum of Art -- <i>Cleveland, OH</i>
Yale Park Street - <i>New Haven, CT</i>	Tri-County Mall - <i>Cincinnati, OH</i>
August Wilson Center -- <i>Pittsburgh, PA</i>	Roundhill Drive- <i>Rockaway, NJ</i>
Emory University -- <i>Atlanta, GA</i>	635 & 645 Elliott Ave -- <i>Seattle, WA</i>
Royal Bank of Scotland -- <i>Stamford, CT</i>	Campbell County Service Building -- <i>Alexandria, KY</i>
Carolina Neurosurgery -- <i>Concord, NC</i>	Van Andel Institute - Phase II - <i>Grand Rapids, MI</i>
353 N. Clark -- <i>Chicago, IL</i>	Wachovia - Stapley & McKellips -- <i>Mesa, AZ</i>
Charles River Laboratories -- <i>Frederick, MD</i>	Wachovia - Bell & Tatum -- <i>Phoenix, AZ</i>
Community Boathouse - <i>Brighton, MA</i>	Wachovia - Glendale & 7 th -- <i>Phoenix, AZ</i>
Grant St (Greyhound) -- <i>Pittsburgh, PA</i>	Wachovia - Thunderbird & 7 th -- <i>Phoenix, AZ</i>
Turnbull Residence - <i>New York, NY</i>	Columbus College Student Housing -- <i>Columbus, OH</i>
Lorain County Community College -- <i>Lorain, OH</i>	Mahoning County Tech Center -- <i>Canfield, OH</i>
Sculling Pavilion Bldg. -- <i>Brighton, MA</i>	United Hospital -- <i>Bridgeport, WV</i>
East Point - <i>East Point, GA</i>	Wachovia - Rural & Baseline -- <i>Tempe, AZ</i>
UC Davis Health & Wellness - <i>Santa Clara, CA</i>	Bridgeside II -- <i>Pittsburgh, PA</i>
King's Highway Library -- <i>Brooklyn, NY</i>	Kalamazoo Elementary School -- <i>Kalamazoo, MI</i>
Robinson Memorial Screenwall -- <i>Streetsboro, OH</i>	United Hosp -- Handrail - <i>Clarksburg, WV</i>
NACRMF -- <i>Cherokee, AL</i>	Aloft @ Philadelphia Airport -- <i>Philadelphia, PA</i>
Villanova University School of Law -- <i>Villanova, PA</i>	Barnes & Noble -- <i>Columbus, OH</i>

M&T Bank North – *Bethesda, MD*
 Del-Co Water Company – *Columbus, OH*
 University Hospital Ahuja Medical Center – *Beachwood, OH*
 Marshall Community Credit Union - *Emmitt Twp, MI*
 Yale Park Street - *New Haven, CT*
 Rochester Institute of Technology – *Rochester, NY*
 Sand City Sunshades – *Phoenix, AZ*
 Tri-Point Medical Center - *Concord Twp., OH*
 Cuyahoga County Airport-Front Entrance - *Richmond Hts., OH*
 Hup Cam Glass Rail – *Philadelphia, PA*
 Providence Medical Center – *Everett, WA*
 River Ridge – *Lynchburg, VA*
 The Clarendon - *Boston, MA*
 177 - 9th Avenue - *New York, NY*
 Cardinal Orthopedic – *Columbus, OH*
 University of VA - Bed Tower Siding – *Charlottesville, VA*
 Zambian Embassy Sunshade – *Lusaka, ZA*
 Liebert Learning Center – *Westerville, OH*
 Towers Crescent - *Fairfax County, VA*
 ASHA Revision to Monumental Stair – *Rockville, MD*
 Sacred Heart University Chapel - *Fairfield, CT*
 Cabarrus County Detention Center - *Cabarrus County, NC*
 Apple Store – *Georgetown, Washington DC*
 Univ of Miami Life Sciences – *Miami, FL*
 Metroplex MOB - *Killeen, TX*
 U.S. Dept. of State #10x612 - *Confidential*
 Eleventh High School – *Nokesville, VA*
 Cleveland Museum of Art Phase 2 – *Cleveland, OH*
 OANG 180th Fighter Wing – *Swanton, OH*
 Panduit Corporate Hdqtrs. - *Tinley Park, IL*
 Westinghouse Electric Bldg. 4 - *Cranberry Twp, PA*
 CMHA Outhwaite Bldg. 3 – *Cleveland, OH*
 Yorktown High School – *Arlington, VA*
 Pathfinder Energy Building – *Katy, TX*
 United Children's Hospital – *St. Paul, MN*
 H. Johnson Museum of Art Expansion – *Ithaca, NY*
 500 Fifth Waterfall – *Seattle, WA*
 Sina 5 Chapel, *Miami, FL*
 San Bruno Grade - *San Bruno, CA*
 25 Calhoun Street – *Charleston, SC*
 Kroger HQ Panel Repair – *Cincinnati, OH*
 Commerce Bank – *Ridgewood, NJ*
 Cesar Chavez Federal Bldg-Panel System - *Denver, CO*
 Overlake Medical Office Bldg. – *Bellvue, WA*
 Flats East Bank – *Cleveland, OH*
 1188 Mission - *San Francisco, CA*
 Tinker AFB - *Oklahoma City, OK*
 BRAC Facility - *Andrews AFB, MD*
 Sorenson Molecular Bio Bldg. - *Salt Lake City, UT*
 Pearl River Admin. Bldg. – *Picayune, MS*
 GW Carver Center Arts & Tech - *Townson, MD*
 University of Baltimore Law Center – *Baltimore, MD*
 UPHS West Research Tower – *Philadelphia, PA*
 University Hospitals Seidman Cancer Center – *Cleveland, OH*
 Hope Lodge – *Salem, MA*
 West 42nd Street - *New York, NY*
 One Victory Park – *Dallas, TX*
 UNCP - Belk Stadium – *Pembroke, NC*
 Mercato - *Collier County, FL*
 9th Avenue Parking Garage – *Columbus, OH*
 Dumont Canopy – *Washington, DC*
 John Hopkins University – *Baltimore, MD*
 Avalon Towers – *Bellevue, WA*
 VRE Woodbridge Station - *Prince Wm Cty, VA*
 St. Elizabeth – *Covington, KY*
 130 Cedar Street - *New York, NY*
 Beaver Falls Army Reserve - *Beaver Falls, PA*
 Russia Wharf – *Boston, MA*
 University of Maryland Knight Hall - *College Park, MD*
 Jericho Industries Senior Living – *Landover, MD*
 Rimer CLC – *Akron, OH*
 University of Chicago - Dining Hall – *Chicago, IL*
 Morehead Medical Bldg II – *Charlotte, NC*
 Cleveland Hearing & Speech – *Cleveland, OH*
 PSU Dickinson – Guardrail - *University Park, PA*
 University of VA - Bed Tower Exp – *Charlottesville, VA*
 American Indian Cultural Museum - *Oklahoma City, OK*
 Bank of America - *Steele Creek, NC*
 Nebraska Ave Complex – *Washington, DC*
 OSU Medical Center – *Columbus, OH*
 Kaplan JCC on the Palisades – *Tenafly, NJ*
 EnCana-The Bow-Tenant Improvements – *Alberta, CAN*
 Cabin John Middle School – *Potomac, MD*
 Virginia Tech ICTAS II – *Blackburg, VA*
 St. Thomas More Complex – *Arlington, VA*
 Texas Children's Hospital – *Houston, TX*
 Palm Springs ATCT - *Palm Springs, CA*
 COBO Center Expansion – *Detroit, MI*
 The Fulton Gallery - *Grand Rapids, MI*
 Martin Luther King Memorial – *Washington, DC*
 University of Massachusetts - Mock Up – *Worcester, MA*
 Brody Hall Sunshade - *East Lansing, MI*
 Consultate DLS-10-0202 - *Dubai*
 Javits Convention Center - *New York, NY*
 Lindell High School - *Long Beach, NY*
 Salisbury University - Perdue School – *Salisbury, MD*
 USC Patterson Hall – *Columbia, SC*
 Van Andel Institute - CEO Wall - *Grand Rapids, MI*
 Federal Building South – *Seattle, WA*
 Bronx Lebanon Hospital - *Bronx, NY*
 U Mass Terra Cotta Panel System – *Worcester, MA*
 DIS/Wheeler – *Olympia, WA*
 Georgetown NSC – *Washington, DC*
 UW Husky Union Bldg. – *Seattle, WA*

PROJECTS WITH PRIOR FIRMS:

Upper Wacker Drive Replacement Falsework – *Chicago, IL*
 The Tower at City Place Falsework – *St. Louis, MO*
 Peter B. Lewis Bldg (Weatherhead) Falsework – *Cleveland, OH*
 13,500 Seat Temporary Bleacher System (OSU) – *Columbus, OH*
 UPCI Medical Center Forming and Falsework - *Pittsburgh, PA*