



CHARLES V. SHEPARD, P.E., LEED AP BD+C

Senior Engineer II | Design Consultant

Charles Shepard is a civil engineer who has dedicated his career to the practice of structural engineering and design of component and cladding systems for commercial construction in the building envelope industry. Mr. Shepard has extensive experience managing and directing all matters pertaining to structural engineering of component and cladding systems both for large and small commercial projects. He furthermore has a strong track record of ensuring all design specifications and governing codes are rigidly adhered to by project managers, architects, contractors and design professionals.

Additionally, Mr. Shepard has significant structural engineering experience in the design of primary structural components for mid-size commercial building structures.

Mr. Shepard has an exceptional ability to rapidly analyze and resolve problems and issues, resulting in an efficient, cooperative and highly productive team effort.

THE BUILDING ENVELOPE CONSULTING DIVISION OF WHEATON SPRAGUE

The Consulting Division of Wheaton Sprague, advises architects, owners, and related clients on all matters related to exterior cladding systems and system design, working independently and directly with clients, peer-reviewing and reviewing documents and submittals for appropriate technical content and constructability, providing code consultation, checking curtain wall and/or exterior cladding systems for air/water integrity, solving complicated system design problems and providing workable solutions

PROFESSIONAL REGISTRATIONS

COLORADO	MARYLAND	PENNSYLVANIA
DISTRICT OF COLUMBIA	MICHIGAN	TENNESSEE
FLORIDA	OHIO	TEXAS
ILLINOIS	OKLAHOMA	VIRGINIA
MASSACHUSETTS		

PROFESSIONAL MEMBERSHIPS

- American Institute of Steel Construction (AISC)
- American Society of Civil Engineers (ASCE)
- National Glass Association (NGA)
- United States Green Building Council (USGBC)

PROJECT EXPERIENCE HIGHLIGHTS

- 4-6 Newbury Street - Boston, MA
- 200 4th Avenue South Bridgestone - Nashville, TN
- 322 8th Avenue - New York, NY
- 701 7th Avenue - New York, NY
- 8th & Filbert Garage - Philadelphia, PA
- 1450 Brickell - Miami, FL
- 3101 Euclid Avenue - Cleveland, OH
- American Greetings - Westlake, OH
- Ameriplat Product Development - Joliet, IL
- Arrowhead Skilled Nursing Facility - Glendale, AZ
- Asbury Park Hotel - Asbury Park, NJ
- Beaver Falls Army Reserve - Beaver Falls, PA
- Berklee College of Music - Boston, MA
- Binney Street Railing - Boston, MA
- Blairs Block - Silver Springs, MD
- Bowie State University | Center for Natural Sciences-Mathematics-Nursing - Bowie, MD
- Brehm / McLeod Renovation / Sunshade - Knoxville, TN
- Canton Federal Center - Canton, OH
- Chandler Regional Medical Centre - Chandler, AZ
- Cleveland Clinic Weston Expansion - Weston, FL
- Cleveland Hopkins Airport Bridge Access Building - Cleveland, OH
- Colgate State University | Ice Arena and Event Center - Hamilton, NY
- Columbus College Student Housing - Columbus, OH
- Consulate XLS-10-0243 - Liberia
- Cummins Office Building - Columbus, IN
- Cuyahoga County Airport - Richmond Heights, OH
- Evergreen Center - Milford, MA
- FAMU (Florida A&M Univ.) | College of Pharmacy & Pharmaceutical Sciences - Tallahassee, Florida
- Gardens at Market Place - Pittsburgh, PA
- George Washington University | Public Health Building - Washington, DC
- Georgia State University | Science Park Phase II - Atlanta, GA
- Grand Lux Café | King of Prussia Mall - Cherry Hill, NJ
- Intuit | Marine Way Building - Mountview, CA
- J.U.M.P. - Jack's Urban Meeting Place - Boise, ID
- Jericho Independent Senior Living - Landover, MD
- Kenyon College Art Museum - Gambier, OH



PROJECT EXPERIENCE HIGHLIGHTS

Little Caesars | Global Resource Center - Detroit, MI
 Lorain High School - Lorain, OH
 Manulife Place Office Building Development | MANPOD - Calgary, Alberta, CA
 Morton Salt Addition - Rittman, OH
 New Campus East Interior - Fort Belvoir, VA
 Novartis Building 608 - Boston, MA
 Novartis Building 613 - Cambridge, MA
 One Cleveland Center - Cleveland, OH
 Orfield-Johnson Residence, Phase 2 - Minneapolis, MN
 Pathfinder Energy Building - Katy, TX
 Pima County Parking Garage - Tuscon, AZ
 Reading Hospital - Reading, PA
 Rimer Community Learning Center - Akron, OH
 Robinson Memorial Hospital - Streetsboro, OH
 San Diego Courthouse - San Diego, CA
 Scott Hall Canopy - Carnegie Mellon - Pittsburgh, PA
 Smucker's Lexington East Renovation - Lexington, KY
 Strongsville Middle School - Strongsville, OH
 The Boro | Block C - McLean, VA
 The Cheesecake Factory - Memphis, TN
 The Clarke | Vistor, Education, and Conference Center - Berkshire, MA
 The Shops at Summerlin - Las Vegas, NV
 Thermal Clip/Innovation | Product Development | (Strategic Partnering)
 University Hospitals - Cleveland, OH
 University of Arizona - Tuscon, AZ
 University of Cincinnati | Nippert Stadium - Cincinnati, OH
 University of Massachusetts | Integrated Science Building - Cambridge, MA
 University of Pennsylvania Health System West Research Tower - Philadelphia, PA
 Urban Vision Storefront - San Francisco, CA
 Veterans Administration Department of Defense Outpatient Clinic - Palo Alto, CA
 VitaKraft-Dust Collector Foundation - Bowling Green, OH
 Walgreen's Anchor Store Ke'eaumoku Street - Honolulu, HI
 Washington Suburban Sanitary Commission | Western Branch Wastewater Treatment Plant - Marlboro, MD
 Wright State University | Classroom Building - Dayton, OH
 Yale University New Residential Colleges 13 & 14 - New Haven, CT

EDUCATION

Bachelor of Science in Civil Engineering | University of Akron | Akron, Ohio

PROFESSIONAL EXPERIENCE

2008 - Present

Senior Engineer | Design Consultant | Wheaton Sprague Building Envelope Stow, OH

Provides exemplary knowledge of building sciences as related to performance aspects of building envelopes. Provides required knowledge of building materials, field investigation methods, and scientific principles as they relate to building envelope performance. Performs high level consultation and structural engineering for the building envelope industry, including standard and custom curtain wall systems, exterior metal panel systems, stone cladding and other related building envelope systems and specialties. Oversees and mentors junior staff members and provides P.E. in responsible charge stamps for projects of varying size and scope.

2006 - 2008

Structural Engineer | Urban Engineers | Erie, PA

Responsible for the direction and management of structural engineering matters for multiple projects in the commercial construction realm. Would precisely calculate load cases and other mathematical variables for the design of low-rise commercial buildings in accordance with governing building codes. Performed preliminary and formal structural calculations for all aspects of low-rise buildings including foundations, retaining walls, reinforced concrete, structural masonry, wood and steel framing. Worked closely with draftpersons to insure project drawings were generated in accordance with all structural calculations and construction documents.

1998 - 2006

Structural Cladding Engineer | Harsh Engineering Services | Ravenna, OH

Directed and managed structural engineering matters for components and cladding on multiple projects in the commercial construction realm. Those projects included high-rise office buildings, hotels, casinos, hospitals, condominiums, museums, sports arenas, college campus buildings and secured government buildings.

Responsible for the precise calculation of load cases and other mathematical variables for exterior components and cladding systems for high-rise buildings, consistently averaging five concurrent projects. Worked closely with project managers and architects during the design and bid phases, ensuring a comprehensive and accurate proposal.

Analyzed construction documents, ensuring they match all bid specifications and initial rendering. Scheduled and allocated human resources for optimal efficiency and cost savings. Identified all cost and/or engineering issues. Developed and implemented effective solutions. Advised non-certified engineering firms on the sufficiency of their proposals, findings, or renderings and checked the accuracy of third-party engineering calculations.

1998 - 1998

Surveyor | BL Robinson Engineering & Surveying | Fairlawn, OH

Performed a wide range of survey assignments efficiently and accurately; provided engineering analysis of survey results.