

FRANCIS. S. EGLOFF

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SUMMARY

Extensive building design and construction experience as a structural project engineer with a high achievement record of completed designs and drawings on time and within budget parameters. A motivated leader who with a strong work ethic helped build strong teams and develop positive client relationships.

Experienced with EneCalc, RAM Structural System, RAMSBeam, RISA-2D, RISA-3D, AutoCAD Lite 2007, Microstation, PCA Mats, TJ-Beam, Excel and NCMA Masonry design software. Experienced in steel beam, composite beam, steel joist, aluminum beam, concrete beam, concrete flat slab, one and two way concrete slabs, concrete slab on grade, concrete tilt-up panel, wood framing, wood shear wall, heavy timber framing, steel crane, masonry, concrete and masonry retaining and basement walls, environmental concrete structure, foundation, masonry wall and beam, metal stud wall and shear wall design and detailing. Also knowledgeable in analysis of existing building systems, building up-fits, banks, office buildings, specialized engineering investigations and evaluations, shop drawing review and site visits.

EXPERIENCE

ENGINEERED CONCEPTS, Greensboro, NC

February 2002 to July 2009

Structural Engineer

Designed steel, concrete, aluminum, wood, heavy timber and masonry structures, carbon fiber analysis, structural detailing, shop drawing review, drafting and field inspection of bank, commercial, industrial, historical, bridge, manufacturing, governmental projects in the Southeast.

Lead designer of:

- BB&T Financial Centers in Cary, NC, Newnan, GA & Duluth, GA
- BB&T Branch Banks and Bank Renovations in the Southeast and Middle Atlantic Areas
- Northeast Park Structures, Greensboro, NC
- Memorial Hall Renovations, Chapel Hill, NC
- Anglo-Eaglin Building Foundations, High Point, NC
- Bridford Parkway Retaining Walls, Greensboro, NC
- Wing Walls and Retaining Walls, Kannapolis, NC
- Wakefield Riser and Barrel Structure, Kannapolis, NC
- Harvey Barn Renovations, Greensboro, NC
- Eastside Generator Building Foundations, High Point, NC
- Beech Mountain Waste Water Treatment Plant, Beech Mountain, NC
- Swansboro Pump Station, Swansboro, NC
- Swansboro Waste Water Treatment Plant, Swansboro, NC
- Hertford Waste Water Treatment Plant, Hertford, NC
- West Forsyth High School Addition and Renovation, Winston-Salem, NC
- Deere-Hitachi Pit Foundation, Kernersville, NC
- Dunn Waste Water Treatment Plant, Dunn, NC

Secondary designer of; Field inspection of West Fourth Street Condo, Winston-Salem, NC and N. C. A&T State University Barbee Hall Renovations, Greensboro, NC

TYE, SPOTTS & DAVIS, PC, Greensboro, NC

June 1995 to November 2001

Structural Engineer

Designed steel, concrete, wood, heavy timber and masonry structures, structural detailing, shop drawing review and field inspection of commercial, industrial, bank, office, hangar, airport, hotel, convention center, manufacturing, bridge and assisted living projects in the Southeast.

Lead designer of:

- Grandover Resort Hotel, Conference Center, Ballroom & Club House, Greensboro, NC
- Eaton Plant Addition, Roxboro, NC
- Dudley-Lee Building, Greensboro, NC

- Salvation Army Building, Greensboro, NC
- Dyno Overlays Office/Warehouse, Greensboro, NC
- Kirkwood Commons Shops, Greensboro, NC
- Shops at Kirkwood, Greensboro, NC
- ACC Headquarters, Greensboro, NC
- Medi Manufacturing Office/Warehouse, Greensboro, NC
- H. J. Hanger at PTI Airport Addition, Greensboro, NC
- Koury Convention Center Addition, Greensboro, NC
- Serta Mattress Office/Warehouse, Greensboro, NC
- Social Security Offices, various locations in the Southeast
- American Red Cross Building, High Point, NC
- Stanley Roads Shops, Greensboro, NC
- Friendly Center Barnes & Noble Shops, Greensboro, NC

Secondary designer of: RF MicroDevices Manufacturing Facility, Greensboro, NC and Vanguard Furniture Showroom, High Point, NC

RS&H ARCHITECTS, ENGINEERS AND PLANNERS, INC.

June 1979 to May 1995

Structural Engineer/CADD Manager, Greensboro, NC

April 1985 to May 1995

Designed steel, concrete, masonry and wood structures, shop drawing review, CADD work, field inspection of office, bank, retail, airport, NASA, commercial, parking garage, bridge, industrial, manufacturing, government, convention center, hotel and hangar projects in the Southeast. As CADD Manager, set up and managed Intergraph CADD system, managed and trained operators, organized and set CADD standards for all disciplines.

Lead designer of:

- Rock Creek 2&3 Office/Warehouse, Greensboro, NC
- USPS Kit of Parts Post Offices, various locations in the Southeast
- EPA Health Effects Research Laboratory, Research Triangle Park, NC
- NASA VAB Maintenance Platform, Cape Canaveral, FL
- U. S. Army Corps of Engineers Mates Crane Building, Fayetteville, NC
- N. C. A&T State University Technology Building, Greensboro, NC

Secondary designer of: Koury Convention Center, Greensboro, NC & Lineberger Cancer Research Facility, Chapel Hill, NC

Senior Structural Technician/CADD Operator, Jacksonville, FL

June 1979 to March 1985

Designed steel and concrete structures, shop drawing review, CADD work, drafting, field inspection and coordination of office, bank, retail, airport, NASA, commercial, parking garage, industrial, bridge, manufacturing, government, convention center, hotel and hangar projects in the Southeast.

Projects include: Jacksonville Convention Center, Jacksonville, FL; Piedmont Triad International Airport, Greensboro, NC; Water Street Parking Garage, Jacksonville, FL; Atlantic Bank Operations Center, Jacksonville, FL; Ft. Lauderdale/Hollywood International Airport, Ft. Lauderdale, FL; Palm Beach Airport Hanger, Palm Beach, FL; Allied-Bendix Engine & Assembly Facility, Rock Mount, NC. Trained as an Intergraph CADD operator in 1983.

HATCH ASSOCIATES CONSULTANTS, INC., Buffalo, NY

May 1978 to May 1979

Structural Designer

Designed and detailed steel and concrete structures, coordination, and surveying on Buffalo Light Rail Rapid Transit Project, Buffalo, NY.

EDUCATION

N. C. A&T State University, Greensboro, NC, Civil Engineering, all Structural Engineering Courses Taken

Jacksonville University, Jacksonville, FL, Mechanical Engineering, part-time for 2-1/2 years

Buffalo State University College, Buffalo, NY, BA Biology

PROFESSIONAL CREDENTIALS and ASSOCIATIONS: Registered Engineer-in-Training, North Carolina, June 1988, American Society of Civil Engineers, Structural Engineers Association of North Carolina and American Institute of Steel Construction.