

Rick L. Cottle | Sr. Structural Engineer, PE, LEED AP

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Professional Summary:

Mr. Cottle has over 22 years' experience in engineering design and consulting in the following areas of expertise:

- Building Envelope Consulting (Sub-grade, Roof, Plaza, Wall, Window, etc. Systems)
 - o Existing Construction Full Façade Renovation/Restoration Services
 - o New Construction Full Service Building Envelope Services
 - o Forensic Engineering Assessment & Evaluation
- Structural Consulting (Steel, Wood, Concrete)
 - o Structural Remediation/Renovation/Restoration
 - o Forensic Engineering Assessment & Evaluation
 - o Property Condition Assessment
 - o Building Structural Design

Working knowledge of IBC codes and standards related to experience above. Additional experience and knowledge of industry standards of various institutes relating to structural and building envelope consulting such as, BIA (Brick Institute of America), AAMA (American Architectural Manufacturers Association), ASTM (American Society for Testing and Materials), AISC (American Institute of Steel Construction), EIMA (EIFS Industry Manufacturers Association), ADAAG (Americans with Disabilities Act Accessibility Guidelines), FM (Factory Mutual), MVMA (Masonry Veneer Manufacturers Association).

Work experience with Insurers, Attorneys, Building Owners, Developers, Architects, General Contractors, Facility Managers, Mechanical/Electrical Engineers, Fire Investigators, Federal/State/Local Authorities, Permitting Officials, Construction Managers and Building Inspectors.

Licenses and Certifications:

Professional Engineer, MD, #33320
Professional Engineer, VA, #043479
Professional Engineer, DC, #PE905643
Professional Engineer, DE, #18315
Professional Engineer, PA, #PE080973
Professional Engineer, WV, #20570
National Council of Examiners for Engineering and Surveying (NCEES), #37295
USGBC Leadership in Energy and Environmental Design (LEED) Accredited Professional (AP)
Engineer-In-Training Certificate, PA
Certified Bridge Safety Inspector (PennDOT)
2-Hr. Asbestos Awareness Training, Control #AW-03, Aerosol Monitoring & Analysis, Inc.

Project Experience:

Building Envelope Snapshot

Existing Construction Full Façade Renovation/Restoration Services

Full Façade Renovation/Restoration Services: Full consulting services for the exterior façade of various building facades to include (brick masonry, EIFS, marble, precast concrete, aluminum window/wall systems). Involves initial evaluation, design and preparation of contract documents (drawings & specifications); and construction administration of following projects:

J.F. Kennedy Center, Washington, D.C.

Marble Façade Restoration: Landmark arts & entertainment theatre building. In depth evaluation survey study with report of marble façade followed with design restoration documents, bidding, and construction administration. Architect: Richtor Cornbrooks Gribble, Inc. (RCG); Contractor: Atlantic Company of America, Inc.

The Renaissance Apartments, Falls Church, VA

Brick Façade Restoration: 12-story, 360 (approx.) unit apartment building; Restoration involving shelf angle anchorage stabilization, augmenting horizontal expansion joints, brick mortar repointing and some flashing augmentations; Evaluation, Emergency Investigative Repair, Design, Bid, & CA Services. Contractor: Culbertson of VA

New Construction Full Service Building Envelope Services

Full Building Envelope Support Projects: Full package consulting services for the exterior envelope components of the building (roofs, above and below grade walls, windows, plaza deck, balcony/terrace, and air- barrier systems) related to water and air infiltration. Services include Peer Review or Design assist of the Contract Documents (Drawings & Specifications); Construction Administration and Onsite Monitoring Services of following projects:

Salisbury University Perdue School of Business – Salisbury, MD

(Holder Construction): 3-story brick, precast, and metal/glass curtain wall building to be utilized as a classroom and conference building for the university.

Capitol Plaza One - Washington, DC

(James G. Davis Construction): 13- story precast concrete and metal/glass curtain wall office building to be utilized for the federal government. Also provided witness mediation testimony against the window subcontractor Trainor (formerly East Coast Glass) on behalf of Davis Construction.

Numerous Downtown Washington DC Condominium

Projects including but not limited to the following:

- o 1400 Church Street, NW 912 F Street, NW
- o 1701 Kalorama, NW 910 M Street, NW
- o The Metropole (1515 15th Str, NW)
- o View 14 Condominiums (2303 14th Str, NW)

□ Large Secure Data Center Facilities

- o Commonwealth Visa Data Center (OCX – Northern VA)
- o Devon Data Center (Oklahoma City)

□ Military/Government Secure Office Complex Facilities

- o Dulles Discovery Phase II (Herndon, VA)
- o Combined FORSCOM-USARC Headquarters (Quantico, VA)

Forensic Engineering Assessment & Evaluation – Moisture Infiltration

Specific Moisture Intrusion Investigation Services: Chasing leaks and evaluating wall & roof system performance with regards to water infiltration. Involves site water testing, drawing and contract review; and reporting:

Tysons Dulles Plaza, McLean, VA

Parking Garage & Plaza Deck Evaluation: 3, 6-story buildings in a triangular configuration around a central courtyard plaza deck over 2 levels of underground parking garage; water infiltration and plaza deck waterproofing replacement evaluation with cursory engineering cost estimates. Client: KBS Realty Advisors (KBS) c/o Cassidy Turley and DTZ

Holiday Inn, Virginia Beach, VA

Insurance Loss Investigation: 2, 6-story concrete & masonry oceanfront hotel buildings; water infiltration and roof damage evaluation caused by Hurricane Irene. Insurance Client: York Insurance Services Group

Forensic Engineering Assessment & Evaluation – Legal Support

Specific Moisture Intrusion Investigation Services Involving Testimony: Chasing leaks and evaluating wall & roof system performance with regards to water infiltration. Involves site water testing, drawing and contract review; reporting, and legal testimony:

Roof Solutions, Inc. vs Benes & Susan Trus vs Accurate Insulation 7413 Helsdale Rd, Bethesda, MD

Professional expert engineering support regarding roof company suit against homeowner that refused to pay for services due to failures of the installed roof and mold growth within the ceiling areas of the homeowner. Homeowner claimed insulation installed by roofer's sub-contractor (Accurate Insulation) was faulty. Case settled out of court. Client: Cincinatti Insurance c/o Attorney Franklin & Prokopik, PC.

Deutsch Gilden & Sons vs. Obrecht-Phoenix; The Acropolis, OC, MD

Expert Witness Evaluation: a 4-story, 4-unit oceanfront luxury condominium building located at 6305 Atlantic Avenue, in Ocean City, MD with manufactured thin stone veneer and EIFS façade. Leak investigation, destructive wall examination and water testing, reporting, & arbitration testimony representing Plaintiff. Client: Deutsch Gilden & Sons c/o Thomas A. Baker Law Offices

Meng vs Drees

Expert Witness Evaluation: a newly constructed 2-story residence located at 25535 Little Cedar Court, Chantilly, VA. Evaluation, reporting, and court testimony representing Defendant. Client: Miles & Stockbridge (attorney)

Structural Consulting Snapshot

Structural Remediation/Renovation/Restoration

Structural Remediation/Renovation/Restoration Services: Structural design consulting services for existing structures in need of repair or retrofit due to damage, deterioration, or changing conditions:

1800 M Street, Washington, DC

Structural Renovation for Façade Replacement: 10-story concrete-framed office building; Extension of building slabs for flush façade and curtain wall installation & infill of breezeway and canopy design; Design and Construction Administration. Architect:

J.F. Kennedy Center, Washington, DC

Structural Restoration: Landmark arts & entertainment theatre building: Landmark arts & entertainment theatre building. Structural assessment survey and report followed with design restoration documents of concrete overhang spanning over Rock Creek Parkway. Architect: Richter Cornbrooks Gribble, Inc. (RCG).

Forensic Engineering Assessment & Evaluation

Structural Failure, Cause & Origin, and Expert Witness Litigation Investigative Services: Structural consulting services for existing structures where a loss or failure has occurred requiring structural support:

FTHCM Roof Collapse Investigation, Suitland, MD

Large loss insurance investigation: Investigation and engineering support regarding a large church sanctuary ("From The Heart Church Ministries") roof collapse of a converted warehouse building on Allentown Road involving a modified column location roof truss system that collapsed approximately one year after the alteration. Client: State Farm Insurance.

Wall Collapse at 236 38th Street, Pittsburgh, PA

Building Wall Collapse Investigation: Adjacent building wall collapse from excavation of subject row house excavation. Insured: Contractor that performed the excavation. Client: Travelers

Engineering Property Condition Assessment & Evaluation

Property Condition Assessment, Due Diligence Study, Transitional Study (Condo) Engineering Services: Structural & Building Envelope, Site Condition consulting services for existing building properties for maintenance, purchasing and ownership conversion services, respectively:

American Center for Physics 1 Physics Ellipse, College Park, MD

Property Condition Assessment regarding a 5-story, steel building with masonry and precast concrete façade built in 1993: Performed structural, building envelope, and site evaluation; coordinated & packaged report for Elevator, MEP, & Fire Protection/Life-safety disciplines. Client: Tishman Speyer.

The Policy Apartments 1921 Kalorama Rd NW Washington DC

Due Diligence/Property Condition Assessment regarding a 5-story, 62-unit residential apartment building near downtown, Washington, DC, built in 1929 and recently renovated in 2010; Performed structural, building envelope, and site study; coordinated & packaged report for Elevator, Environmental, and Fire Protection/Life-Safety disciplines. Client (looking to purchase building) Kruger Company out of Montreal, (Quebec).

Building Structural Design

Full Structural Design Services for New Construction and New Additions with Existing Renovation: Full design consulting services for mostly steel and masonry bearing wall structures:

Hybla Valley Elementary School, Fairfax County, VA

Existing Renovation & New Addition: Single-story; Steel joists supported on masonry bearing wall construction; Final Design CD's. Architect:

Easton High School Auxiliary Gym, Easton, MD

New Gym Addition; Steel joists supported on masonry bearing wall; Final Design CD's. Architect:

Shippensburg Health Services, Shippensburg, PA

New construction of small medical office building: Wood framing supported on light gauge metal stud wall bearing; Final Design CD's. Architect: Noelker & Hull

Professional Experience:

EFI Global, Inc., Columbia, MD, Senior Structural Engineer, 2011 – Present
Packer Engineering, Inc., Columbia, MD, Senior Structural Engineer, 2010 – 2011 (merged w/ EFI)
Gale Associates, Inc., Fairfax, VA, Senior Project Manager, 2005 – 2010
EMCOR/CESI, Arlington, VA/Rockville, MD, Senior Structural Engineer, 1999 – 2005
Abel Consulting Engineers, P.A., Rockville, MD, Design Engineer, 1997 – 1999
Sheladia Associates, Inc. Camp Hill, PA and Rockville, MD, 1993 – 1997
R.A. Marker & Sons, Lewistown, PA, Metal Worker, 1989 (May to August)

Education:

Bachelor of Science, Architectural Engineering, Structural Option, Pennsylvania State University, University Park, PA, 1993
Graduate of a 5-year Professional Degree that included a fifth year Senior Thesis of a small office building. Advanced courses in Structural Analysis, Concrete Design, Steel Design, Architectural Design, and AutoCAD.

Affiliations:

American Society of Civil Engineers (ASCE)

**Litigation CV available upon request.