



RICHARD T. ABBOTT
PE, SE

Phone: (612) 599 -6745

Email:rick@abbottforensics.com

<https://www.linkedin.com/in/richardthomasabbott>

Mr. Abbott has over 18 years of structural engineering design experience. Throughout his career he has designed numerous structures composed of wood, steel, masonry, concrete, post-tensioned concrete, and precast concrete. He has been involved with many of the most common types of structures including residential homes, hotels, commercial buildings, government facilities, agricultural structures, manufacturing facilities, religious building, arts and theater, hospitals, and restaurants.

He has over 10 years of forensic engineering consulting where he has completed numerous investigations on damaged structures. He has expertise in evaluating buildings and structures for various conditions including code compliance, construction defects, moisture intrusion, water damage, condensation, snow and ice, frost heave, structural collapse, settlement, accidental impact, flood, blast, fire, hurricane, tornado, and general deterioration.

REGISTRATION:

Minnesota 22797
Iowa 20351

Wisconsin 34150-006
California C57078

North Dakota PE-7023
California S4675

South Dakota 10925
Florida 72889

EDUCATION:



Cornell University, Ithaca New York
(8/1989 - 5/1990)
Master of Engineering (Civil)



University of Minnesota
Institute of Technology, Mpls., MN
(9/1984 - 6/1989)
Bachelor of Civil Engineering (Structural)

EXPERIENCE:

12/2015 - Present Abbott Consulting Forensics & Design
10/2012 - 11/9/2015 Rimkus Consulting Group
4/2011 - 8/30/2012 Donan Engineering
1/2009 - 10/20/2009 Meyer Borgman Johnson, Inc
9/2005 - 1/2009 OPUS Architects and Engineers

6/2000 - 8/2005 Hammel Green & Abrahamson
9/1999 - 5/2000 Clark Engineering Corp
1/1999 - 8/1999 Schultz Design
1/1995 - 12/1998 Larson Engineering
9/1990 - 01/1995 AEC Engineering

RICHARD T ABBOTT, P.E., S.E.

DETAILED PROFESSIONAL EXPERIENCE:

ABBOTT CONSULTING FORENSICS AND DESIGN LLC (3.0 YR) 12/2015 - PRESENT

Providing engineering consulting on building problems. Providing professional engineering opinions on structures that had been damaged. Providing building inspections.

RIMKUS CONSULTING GROUP (3.1 YR) 10/2012 - 11/9/2015

Determined cause and extent of damage to buildings. Provided repair recommendations. Scheduled and performed site investigations. Produced written reports on the cause or causes of a defect, accident, or other failure related problems. Clients were primarily insurance companies with some work being done for law offices.

DONAN ENGINEERING (1.4 YR) 4/2011 - 8/30/2012

Provided professional engineering opinions on structures that had damages or reported deficiencies. Work was similar in nature to Rimkus. Approximately 80% of the work was roof inspections.

MEYER BORGMAN JOHNSON, INC. (0.7 YR) 1/2009 - 10/20/2009

Structural engineering design in the form of calculations and plan creation. Created 3D-structural computer models to design the foundations and the lateral system for a multi-story hospital. Development of plans for an addition to a 4-story post tensioned building at the University of Minnesota.

OPUS ARCHITECTS AND ENGINEERS (3.3 YR) 9/2005 – 1/2009

Lead project engineering services for various projects including calculation preparation, plan preparation and site inspections. Projects that I took through design and construction included post tensioned office buildings, mild reinforced concrete buildings, composite steel structures with steel braced frames, wood apartment buildings, and large warehouses in California. I also was a team member on the design of a GSA 9-story mild steel reinforced concrete office building designed for LEED requirements, blast design, and progressive collapse design.

HAMMEL GREEN & ABRAHAMSON, INC (5.2 YR) 6/2000 – 8/2005

Provided structural engineering services for various projects of outstanding architectural design. HGA was known for their architectural award-winning services. I took pride in finding creative economical structural solutions to make the desired architectural features become a reality. Some of the projects that I designed included steel buildings with PRCC connections, concrete moment frame buildings, tilt-up concrete construction, clean room design, and demanding up-scale museum design.

CLARK ENGINEERING CORPORATION (0.7 YR) 9/1999- 5/2000

I was the structural engineer of record in charge of developing the structural plans and calculations for a large high school. After the project was completed, work slowed down for Clark Engineering.

RICHARD T ABBOTT, P.E., S.E.

SCHULTZ DESIGN (0.6 YR)

1/1999 – 8/1999

As the only engineer employed by Schultz Design, I was responsible for the design and development of all structural plans and specifications for a variety of projects. Assignments included numerous Kroger Stores in the Midwest. I also completed a school addition and a new church building.

LARSON ENGINEERING (3.9 YR)

1/1995 – 12/1998

Provided structural engineering design for “every day” structures. I designed hotels, restaurants, schools, theaters, industrial buildings, churches and various other types of structures. I designed with wood, bar joists, concrete plank, steel and masonry. I also designed some conveyors and storage bin support structures.

AEC ENGINEERING (IDOM, INC.) (4.3 YR)

9/1990 – 1/1995

Provided engineering services for local steel plate fabricators. I designed tanks and vessels according to API-650, API-620, AWWA, and ASME. We also inspected many existing plate structures. I became familiar with confined space entry, chemical hazards, heights, and job safety. Provided structural engineering design on an industrial laboratory facility for the containment of accidental explosions. The analysis was dynamic and very interesting. The final design was efficient, and my work resulted in a substantial cost savings to the client.

TWIN CITY TESTING (0.7 YR)

3/1988 – 11/1988

This job was part of the University of Minnesota Student Internship Program. I performed and reported load test on various products. I inspected masonry wall construction and inspected sprayed-on fireproofing material.

BRAUN ENGINEERING TESTING (0.4 YR)

3/1987 – 8/1987

This job was part of the University of Minnesota Student Internship Program. I performed and reported soil field density testing and soil proctor testing. I performed and reported concrete field test including slump, air, and compressive strength.