

# Robert W. Hessek, PE

## Civil/Structural Engineering



Mr. Hessek is a licensed Professional Engineer (PE) with extensive experience in the forensic evaluation and analysis of structures, structural designs, and in the renovation and rehabilitation of structures. He has investigated numerous distressed structures and has designed / provided repair recommendations for those structures. Mr. Hessek has been qualified as an expert witness and has served as an umpire.

### PROJECT EXPERIENCE

**Managed the investigation and structural repair** of many single- and multi-family residential projects, the majority of which involved distress to the structures caused by swelling or consolidated soils. In most instances, site observations were provided during the repair process for the structures. Provided structural forensic services on commercial and government projects.

**Investigated and reported on property claims** involving vehicle impact, tornado, flood, fire, snow, wind, water and hail.

**Structural design** of residential, commercial and governmental projects, for new construction as well as renovation, rehabilitation and remodel.

**Managed the national office** that handled all claims throughout the country for a national home warranty company. Was responsible for the investigation and determination of several thousand structural claims.

### WORK HISTORY

Engineering Manager (January 2020 – Present) - Senior Structural Engineer (August 2013 – December 2019), *Western Engineering and Research Corporation*; August 2013 – Present; Denver, Colorado.

Senior Civil/Structural Engineer, *Fay Engineering Corporation*; July 2009 – August 2013.

Principal Engineer, *Hessek Engineering LLC*; September 1999 – July 2009.

Senior Engineer, *Geo-Teknica Engineering, Inc.*; June 1999 – September 1999.

Principal Structural Engineer, *MNA, Inc.*; September 1991 – June 1999.

Vice President Claims, *National Home Insurance Company*; February 1989 – September 1991.

District Underwriting Manager, *Home Buyers Warranty*; February 1988 – February 1989.

Engineer, *Stewart Engineering, Inc.*; July 1980 – January 1988.

### ENGINEERING AND EVALUATION

Mr. Hessek's 40 years of experience include a variety of structural and civil engineering projects. He has in-depth knowledge of field investigation of structures, building code analysis, construction document review, structural movement evaluation, soil assessment, construction defect and building envelope evaluation, design of new structures and design of structural repairs, and providing timely, concise, reports.

### AFFILIATIONS

Structural Engineers Association of Colorado  
American Wood Council



### Practice Areas

- Structural Engineering
- Civil Engineering
- Building Envelope Evaluation
- Construction Defect Evaluation

### Contact Information

*RHessek@werc.com*  
303-757-4000

### Credentials

- Licensed Professional Engineer in Colorado
- Bachelor of Science in Civil Engineering, Colorado School of Mines, 1980