



7265 S. Revere Pkwy  
Ste. 903  
Centennial, CO 80112

**DAN MORIARTY, P.E.**  
**SENIOR STAFF CONSULTANT**

dtmoriarty@engsys.com

Mr. Moriarty is a Senior Staff Consultant with the Civil Engineering team. He has more than eight years of experience in building design and investigation including structural analysis, structural drawing and detail production, risk analysis, and forensic investigations for litigation and insurance claims. This includes new and existing buildings in a range of sectors such as single- and multi-family residential, commercial, industrial, power generation, and hospitality. While Mr. Moriarty specializes in the design and construction of wood and steel structures, he has also designed masonry, light gauge, and mid-rise concrete buildings. He has extensive experience with drawing production and Building Information Modeling in AutoCAD, Revit, and Tekla Structural Designer. Mr. Moriarty has managed full project life cycles from conceptual design through construction administration.

Prior to his career in structural design, he was a Reliability Engineer in oil refineries and natural gas facilities. In Chicagoland as well as the Arctic Circle in Alaska, he assessed the risk and impact of failing concrete and mastic fireproofing and maintained quality control on large-scale renovations during turnarounds.

**Areas of Specialization**

Commercial Structures	Residential Structures
Infrastructure	Building Envelope
Refineries	Construction Defects
Damage Investigations	Construction Engineering
Structural Analysis & Design	Drawing and Detail Production
Retrofit and Strengthening Design	Building Code Analysis
Construction Administration	Structural Risk Assessment
Failure Analysis	

**Education**

University of Illinois at Urbana-Champaign, 2017  
M.S. Civil Engineering (Structural); Business Management for Engineers certificate

University of Illinois at Urbana-Champaign, 2014  
B.S. Civil Engineering (Structural/Transportation)

**Licensed Professional Engineer (P.E.)**

State of Colorado	License No. 0062097
State of Texas	License No. 151078
State of Wyoming	License No. 20059



## Professional Affiliations

American Institute of Steel Construction (AISC)  
American Concrete Institute (ACI)

## Positions Held

### **Engineering Systems Inc., Centennial, Colorado**

Senior Staff Consultant                      January 2022 to Present

### **Evolve Structural Design, Carbondale, Colorado**

Project Engineer                                  April 2021 to November 2021

### **TGRWA, LLC, Chicago, Illinois**

Engineer II    March 2018 to April 2021

### **NLP Concepts, LLC, Chicago, Illinois**

Engineer I    January 2016 to August 2017

### **Amwins Specialty Casualty Solutions, Chicago, Illinois**

Data Engineer                                        September 2015 to December 2015

### **Brindley Engineering Corporation, Lisle, Illinois**

Reliability Engineer I                              January 2015 to August 2015

## Training and Certification

OSHA 30-Hour and 10-Hour  
Transportation Worker Identification Credential (TWIC)