



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
State of Kansas	License No. 31707



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)