



Eric grew up spending most summer weekends on the soccer field and winter weekends on the slopes. This continued into college, where he was the president of the Alpine Ski Team. He also enjoys hiking, golfing, and running.

Despite knowing that his career would be in building design, Eric has always dabbled with "hobby jobs." Between his undergraduate and graduate educations, Eric was a backpacking guide in Vermont, built a set for an opera production in Minnesota, and worked at a ski resort in Colorado. He currently works with a local chorus as their stage manager.

### **Eric McElrath, E.I.T.**

Since joining Mattson Macdonald Young in 2012, Eric has gained valuable experience in a variety of materials, including structural steel, reinforced and post-tensioned concrete, masonry, and wood. He embraces unique projects and enjoys the complexities involved with renovation of existing structures.

Eric has been a lead design engineer on the following projects:

- **The Armory – Minneapolis, MN**  
Assessment and renovation of the Minneapolis Armory for assembly use. Renovation includes reinforcement of existing concrete frames, structural slab repairs, new steel-framed levels, and reinforcement of the 200' steel roof trusses.
- **North Loop Tower – Minneapolis, MN**  
Fifteen story post-tensioned concrete building for retail, parking, and office. Unique characteristics include long-span 2-way slabs, as well as non-plumb columns and cantilevered slabs to occupy air space above an existing building.
- **Minnesota DNR Office – Glenwood, MN**  
Two story wood-framed office. Unique characteristics include structural insulated panel (SIP) tall walls, area of refuge for high-wind events, and atypical canopy supports.

### **Education**

Master of Science in Civil Engineering – University of Minnesota, Twin Cities, 2013

Bachelor of Science in Architecture – University of Minnesota, Twin Cities, 2008

### **Awards and Memberships**

Minnesota Structural Engineers Association Young Member Group  
Founding Member 2015  
Communications Coordinator 2015-2016  
Chair 2016-2017

National Council of Structural Engineers Associations  
Young Member Summit Scholarship Recipient 2017  
Young Member Group of the Year 2017

American Council of Engineering Companies of Minnesota  
Scholarship Recipient 2013