

BREAKING GROUND

Dear Reader,

In our quest to deliver quality work to our clients, at times it can be easy to forget the amount of education required when practicing engineering to safeguard the health, safety, and welfare of the public. At the bottom of this newsletter, you'll find a graphic that illustrates the many higher education degrees earned by our employees. We have an amazing staff of highly educated and motivated people here. Enjoy this issue of Breaking Ground!



Best Regards, Matthew E. Hilbush, P.E. President & Founder

MAINSTAY RECOGNIZED WITH OUTSTANDING PROJECT MERIT AWARD

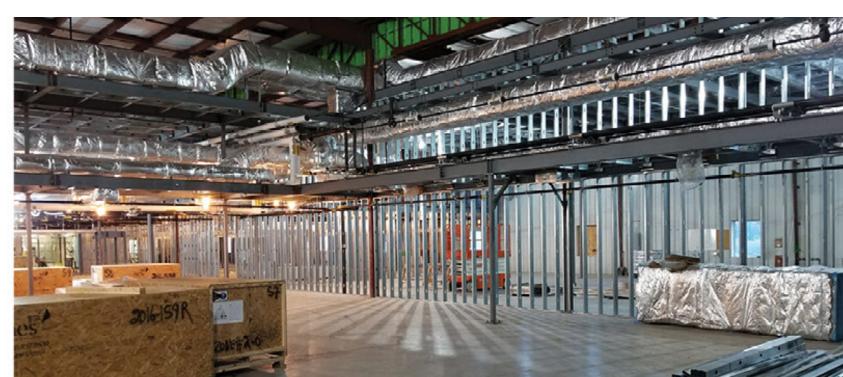
Mainstay's work on the North East Compounding Facility for QuVa Pharma, Inc. was recognized by the Delaware Valley Association of Structural Engineers (DVASE) at its annual Excellence in Structural Engineering Awards Ceremony May 10th, 2018. The project received the merit award for Outstanding Structural Engineering Project in the category of Other Buildings Under \$1M.

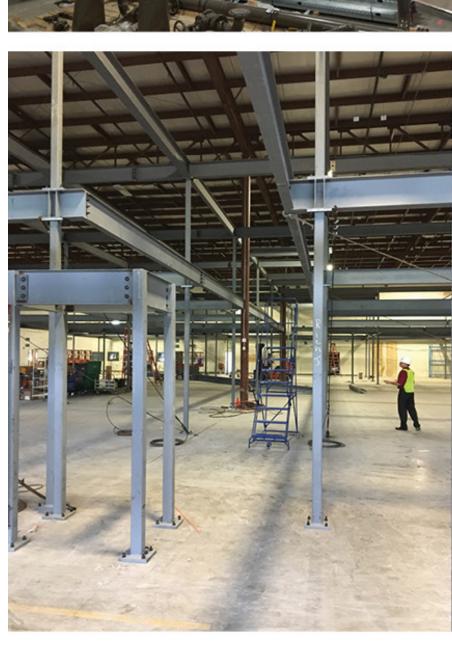
QuVA Pharma purchased an existing 160,000 SF facility in Bloomsbury, NJ to increase their manufacturing operations to meet current and projected sales growth. They envision that the new facility will utilize the current warehousing area of the existing facility to support compounding activities. The warehouse's existing roof structure was experiencing ponding and sagging under current load conditions. Because of this, the solution proposed was to construct a new steel framed structure within the existing structure.

Thank you to the Delaware Valley Association of Structural Engineers for a wonderful dinner and awards ceremony and congratulations to QuVA Pharma and the Mainstay project team on the welldeserved recognition!

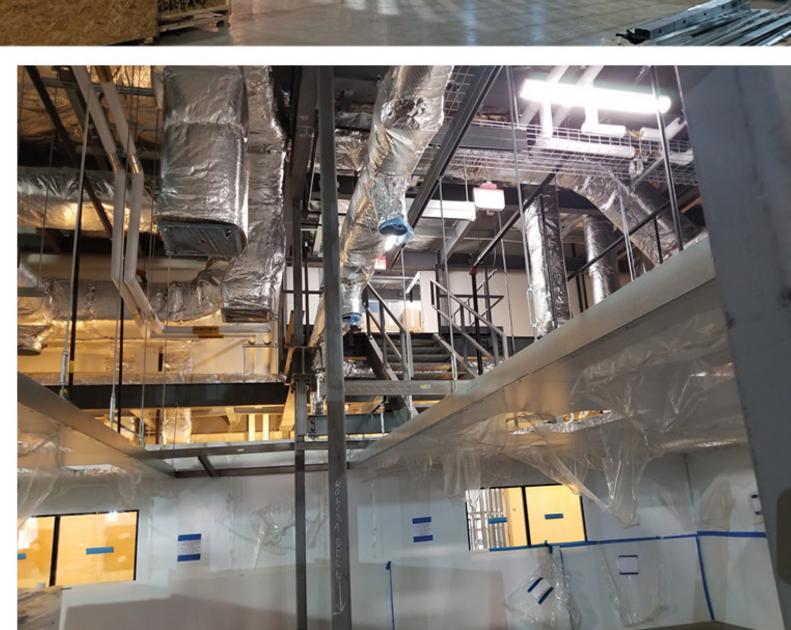












EMPLOYEE SPOTLIGHT: MEET JUSTIN RUBY, P.E., LEED AP BD+C | ASSOCIATE



WHAT IS YOUR ROLE AT MAINSTAY? My primary role at Mainstay is client manager. In this role I must make sure that Mainstay is meeting the needs and expectations of projects for the clients that I maintain while continuing to explore opportunities for new client relationships. Internally I am responsible for ensuring that Mainstay maintains the high level of

service that our clients expect from us. WHAT MADE YOU DECIDE TO BECOME AN ENGINEER? I knew I wanted to be an engineer after my middle school technical drawing class. It was my first introduction to AutoCAD and

hand drafting. I also always really excelled at Math. HOW DID YOU FIRST LEARN ABOUT MAINSTAY? I worked with Matt and Bill (DiCarlo, a former Principal, now retired) at a previous company. When they were ready to bring on a design engineer, I contacted them.

HOW HAS MAINSTAY HELPED YOU IN YOUR CAREER DEVELOPMENT? I started with Mainstay when I was just a young engineer, so a lot has changed for me since then. I think that the biggest thing that I have learned by working here is confidence.

WHAT IS THE FAVORITE PART ABOUT WORKING FOR MAINSTAY? I really appreciate the team environment within the office. Each one of us has our individual jobs that we are focused on, but there is constant interaction between one another. Everyone is always willing to pitch in when someone else has a tight deadline or needs help learning a new concept or just wants to bounce an idea off of someone else to get a new set of eyes on it.

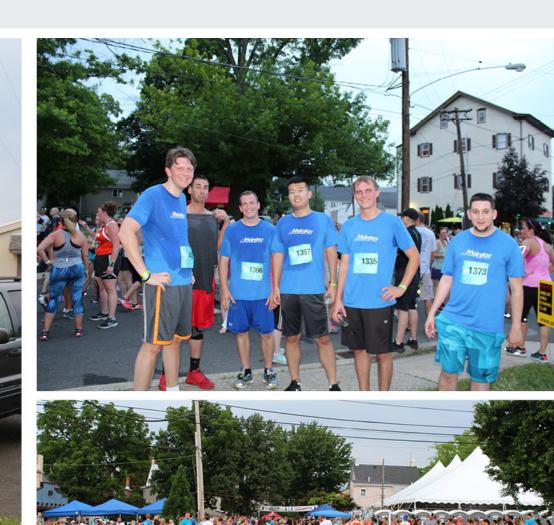
WHAT HAS BEEN YOUR FAVORITE PROJECT AT MAINSTAY? The BMS New Brunswick Material Storage Warehouse. New, stand-alone buildings are sometimes rare in the industries we serve. The majority are renovations/additions to existing buildings. This project was my first stand alone building. It was also in the early days of Mainstay when it was just three or us. I got to do the majority of the civil and structural design on a building that had blast resistant design and many other nuances to it. WHAT ARE 3 WORDS TO DESCRIBE MAINSTAY? Family, Flexibility, Dedication.

2018 TEX MEX 5K RACE FOR OPEN SPACE BENEFITTING THE WISSAHICKON WATERSHED ASSOCIATION











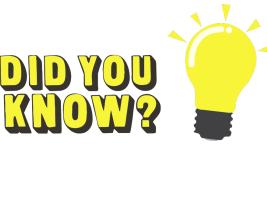




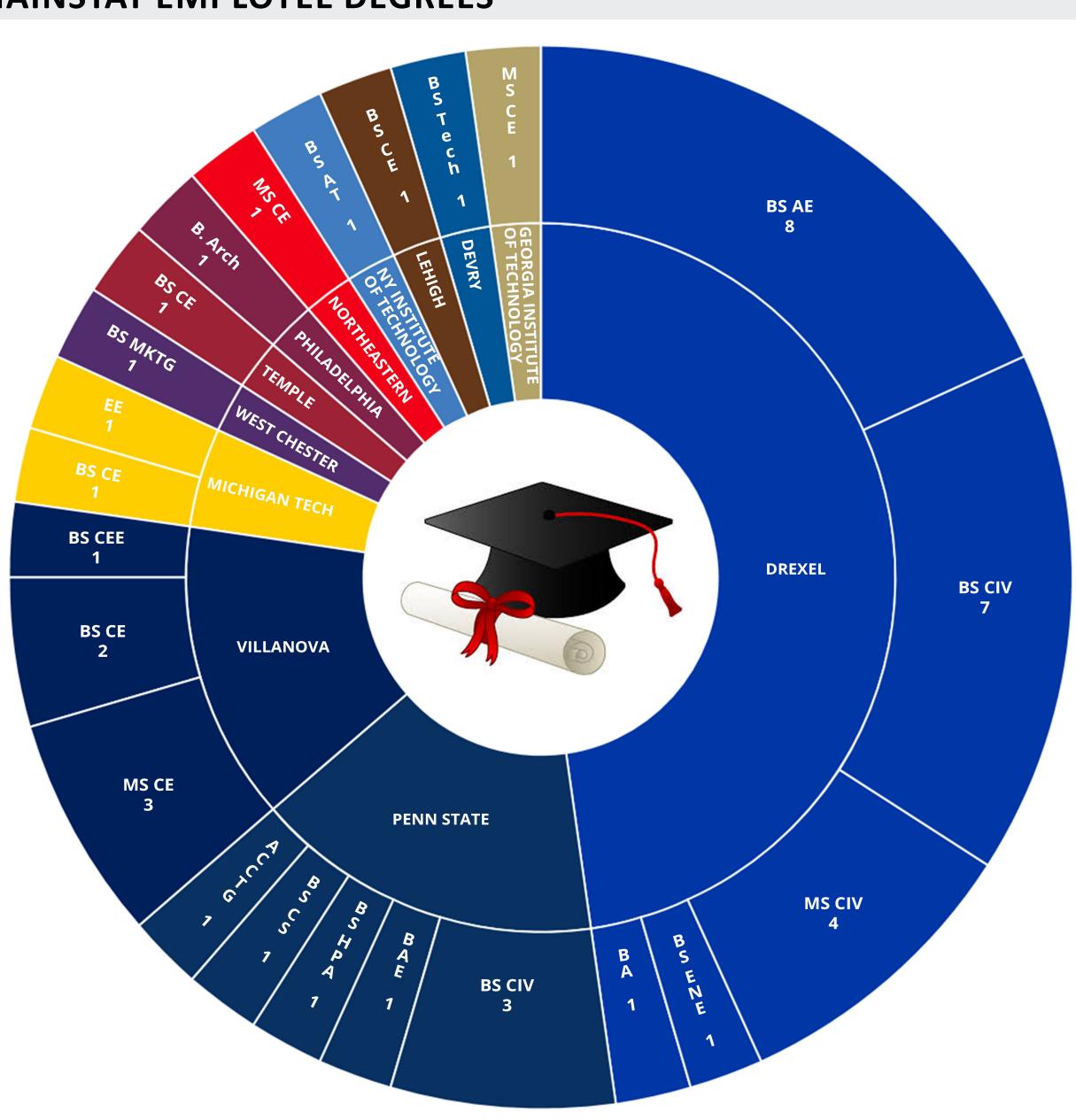
BY: RYAN FIRKSER, PE, SE, CSP | PROJECT MANAGER

This article is focused on some of the basics for single point, single user fall protection anchorages in general industry applications. From defining a personal fall arrest system (PFAS) to general considerations for any overhead or rooftop anchorage, Ryan believes that this article will be valuable in helping to start tackling the question: "do I need a fall protection system?" which seems to pop up with increasing frequency.

CLICK HERE TO READ THE FULL ARTICLE



MAINSTAY EMPLOYEE DEGREES



MAINSTAY'S LOOK AHEAD

3rd Annual Carpenters' Cup Invitational Benefiting the Carpenters' Company Scholoarship Fund Wednesday, July 18, 2018 Sunnybrook Golf Club

2018 Corporate Fun Run Benefiting the Leukemia & Lymphoma Society Tuesday, August 14, 2018 Montgomery County Community College