

Job Title: Graduate Plumbing & Fire Protection Engineer
Location: Boston, MA

BuroHappold delivers multi-disciplinary design solutions that innovate and challenge. With a global network of 23 offices, including seven in the United States – Boston, Chicago, Detroit, Los Angeles, New York, Pittsburgh, San Francisco – our work spans across all sectors. BuroHappold's core offering of structural and MEP services, complemented by our suite of specialist services, enables us to push boundaries and achieve more.

From the renowned Genzyme Headquarters to the Isabella Stewart Gardner Museum, BuroHappold has been delivering high quality buildings in Boston and the greater New England region for over 10 years. Our key service offers in Boston include MEP, structural engineering and sustainability consulting. With strong support from our multi-disciplinary team in New York, we are also able to provide a range of specialty services in Boston, including but not limited to façade engineering, lighting design, and master planning. Our services in Boston are delivered by a thriving and steadily growing local office of engineers with decades of experience in the city and throughout New England. Current projects include: National Coast Guard Museum, Seaport Block L4, Brown University School of Engineering, 888 Boylston Street, and Draper Laboratories.

About the role:

This role will see you technically and creatively challenged on both domestic and international projects. Teamwork and a collaborative approach are key to any project at BuroHappold, so your strong communication skills and passion to succeed with others will serve you well.

What will you be doing:

- Undertake detailed design across; plumbing and fire protection, ground sanitary/waste and rainwater drainage systems, below ground drainage, domestic hot and cold water services, rainwater harvesting systems, black and grey water systems, and gas systems
- Prepare technical schedules
- Plan and manage Revit documentation of design work
- Monitor performance of Technician (as appropriate)
- Under guidance of senior staff, represent BuroHappold at meetings with the client, other professionals and suppliers
- Ensure service and project work are carried out within agreed deadlines and within budget
- Ensure senior staff are kept informed of important design issues
- Collaborate with different disciplines, architects, and members from other BuroHappold offices.

More about you:

- Bachelor or Master's Degree in Mechanical, Civil, Sanitary Engineering, Environmental Engineering, or Architectural Engineering
- Coursework in HVAC design, heat transfer, or thermodynamics
- Experience in building services design engineering with a mechanical bias
- Experience using Revit is preferred
- Knowledge of IES software, Dynamo, and coding would be advantageous.
- Internship or co-op experience at engineering related firm
- Proven interest in the built environment
- Ability to communicate thoughts and technical ideas in an accessible manner
- Self starter that is willing to learn and tackle difficult problems
- Eagerness to learn and work as part of a multidisciplinary team

What's in it for you:

In return, we can offer fantastic opportunities to...

- Collaborate within a truly multidisciplinary environment, capitalising on BuroHappold's extensive knowledge base in building physics, micro-climate analysis, computation fluid dynamics, climate change mitigation and energy master planning to inform truly environmentally responsive MEP designs
- Work on a diverse array of projects across the education, leisure, culture, commercial, and science/technology sectors

Interested and qualified candidates please apply online on our website at: <https://www.burohappold.com/careers/>