

Olivia Hall, E.I.

1131 Humboldt St

Denver CO. 80218

Phone (303) 717-5736

Email ohall1223@gmail.com



Qualifications

- Like hands-on work within a team environment.
- Good at resolving problems and thinking logically, analytically, and creatively.
- Proficient with computing programs such as SolidWorks, MATLAB, AutoCAD, Mathcad, RAM Steel, and ProSteel, EPA Net, Microsoft Word and Excel, EnerCalc, RetainPro.
- Comfortable with writing, concisely and professionally.

Education

- 2008-2013** University of Colorado at Denver School of Engineering and Applied Sciences
Major: Engineering-Civil Engineering GPA 3.30
- 2016** Red Rocks Community College
Civil 3D drafting course

Experience

8/19-12/19 Lead Drafting Engineer, Elite Environmental Controls

- Responsible for drafting environmental control plans for the cannabis industry. My responsibilities included:
 - Drafting CO₂ lines from the tank, to the safety valve, to the flow box, which distributed CO₂ to the various, grow rooms.
 - Drafting wiring plans including sensor & alarm schematics and wiring from CO₂, temperature and humidity sensors to the environmental control panel to the CO₂ alarms.
 - Drafting safety valve schematics, control panel schematics & flow box schematics.
 - Thoroughly researching the CO₂ enrichment building codes in Colorado, California, Michigan, Massachusetts & Maryland.

10/17-12/18 Lead Drafting Engineer, Universal Grow Controls

- Responsible for drafting carbon dioxide enrichment and irrigation plans for the cannabis industry. My responsibilities included:
 - Drafting CO₂ lines from the tank, to the safety valve, to the flow box, which distributed CO₂ to the various, grow rooms.
 - Drafting wiring plans including sensor & alarm schematics and wiring from the CO₂ sensors to the control panel to the CO₂ alarms.
 - Drafting safety valve schematics, control panel schematics & flow box schematics.
 - Thoroughly researching the CO₂ enrichment building codes in Colorado, California, Michigan, Massachusetts & Maryland.
 - Drafting piping and instrumentation diagrams for irrigation systems including various methods of dosing water with nutrients.

05/14-06/15 Engineering Consultant, Alliance Engineering LTD

- *Responsible for consulting and design of several civil engineering disciplines including*
 - *Foundation design for residential buildings*
 - *Parcel layout for subdivisions*
 - *Beam design for residential and commercial buildings*
 - *Flood plain development permits, including flood plain cross sections*
 - *Water and waste-water system layouts*
 - *Retaining wall and flood wall design*
 - *UDFCD Drainage Studies and Detention Basin Sizing*

10/13-05/14 E.I., Tower Engineering Professionals, Inspections team

- *Responsible for inspecting towers and drafting reports for clients*
 - *Performing inspections involves climbing towers, taking measurements, notes and photos of essential elements for later review*
- *Responsible for drafting reports, based on notes and photos taken during inspections, for clients on AutoCAD pertaining to cellular towers foundations, structures, mounts and antennas*

4/12-8/12 Intern, CH2M Hill, Energy & Chemicals Structural team

- *Performed several tasks for engineers, calculation and administrative work for mining and refinery projects*
- *Became proficient at several engineering design programs (noted above)*
- *Gained experience in the process and management of taking a project from bid, to design, to manufacturing/construction*

Certifications and Honors

08/13	<i>Outstanding Undergraduate Student in Civil Engineering (Faculty Nominated)</i>
12/12	<i>Fundamentals of Engineering certification exam</i>
11/11	<i>ACI Concrete Field Testing Technician- Grade 1</i>

Interests

- *Sustainability, green space, efficient homes and buildings*
- *Making a difference in how the world views modern civilization*

References

Available upon request