Cross Over Community Development, OH – Mechanical

**Project Location:** Dayton, OH

**Team Members Needed:** A mechanical, electrical, and plumbing (MEP) engineer with a PE license in Ohio to provide concept drawings for a building permit.

**Project Background:** Cross Over Community Development (COCD), a nonprofit based in Dayton, OH, works to foster the successful integration of immigrants and refugees into the community. COCD is seeking to install an already-purchased high tunnel greenhouse in Dayton, which will enable COCD’s Center for Urban Farming (CUF) to cultivate crops year-round, allow refugees and immigrants to learn how to grow food, and highlight the potential of urban agriculture for additional income. The CUF will provide a location for community engagement, and COCD has partnered with Ohio State University and Central State University to provide education and technical assistance in business and marketing models to CUF users. A team has already been assembled for this project, but a MEP engineer is needed for the heating, ventilation and plumbing aspects of the greenhouse to obtain a building permit.

**Description of the Community:** COCD is a nonprofit located in Dayton, OH, serving immigrants and refugees in the community. The nonprofit serves several communities and operates in partnership with numerous schools and churches in the community.

**Project Scope of Work:** The already-purchased high tunnel greenhouse is 30 feet wide and 72 feet long. The MEP will need to review the purchased components relative to the current Ohio Mechanical Code, verify that they meet the Code and/or design needed modifications. Specific mechanical elements include:

- **HVAC:** Temperature regulation components, including fans, cooling pads, and heating elements.
- **Plumbing:** Plumbing components that will be present in the greenhouse, including pipes, valves, and pumps.
- **Electrical:** Electrical components and wiring.

**Timeline:** COCD would like to move forward as quickly as possible after volunteers have been identified.

**Contact:** Brooke Poppe, CECorps Program Engineer, at bpoppe@ewb-usa.org

Schedule a meeting [here](#)

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