



# Co-Craft

## Design Workshop

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Collaboratively Crafted Design Solutions

3102 Fisher Rd  
Lansdale, PA 19446

[www.Co-CraftDesignWorkshop.com](http://www.Co-CraftDesignWorkshop.com)

# Building Systems Design

Our approach to building systems design focus's on creating healthy indoor environments that are thermally comfortable, energy efficient, hygienic, durable, resilient, and seamlessly integrated into the architecture of your project. We believe that the active mechanical systems should be supplemental to the passive systems inherent to the Architecture, and require the minimal energy demand possible. We achieve this by examining the best climate appropriate solutions for insulating the thermal envelope, establishing air tightness values for water and vapor management, and reducing thermal bridging to minimize the demand for energy in your building while maximizing it's durability.

Our Heating & Cooling System designs are properly sized using the ACCA Manual J standard. Prior to recommending system types, specific consideration is given to building type, geometry, regional climate and available technology, as well as occupant preferences for operation.

Our Ventilation Systems are designed to meet ASHRAE 62.2 standards and deliver fresh air to your project in a controlled manner while removing the exhaust air from locations where undesirable/stale air is generated. Depending on your project climate we can recommend Energy or Heat recovery (ERV / HRV) systems as appropriate.

Aesthetics matter. Building systems can be featured or completely hidden as part of the architectural integration for your project - the important thing is that they are designed with aesthetics in mind and not simply added as an afterthought.



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