



Tyler Pipe and Coupling Case Study Cope Environmental Center

LOCATION

Centerville, Indiana

PROJECT

Cope Environmental Center (CES)

PRODUCT

Cast Iron Soil Pipe and Fittings



COPE ENVIRONMENTAL CENTER (CES) decided to participate in the Living Building Challenge, which has arguably the most rigorous green building standards in the world, even beyond LEED. Currently, only 7 buildings in the United States have reached “Living Building” certification. Tyler Pipe product was installed in this facility – cast iron pipe and fittings are made from 100% recycled post-consumer scrap, and it is 100% recyclable at the end of service life making it a true green product.

The sign-age on the wall of the new facility reads, “If you could see through the walls, you’d notice something odd about this building – no PVC! The Living Building Challenge does not allow it! PVC (Polyvinyl Chloride) leaches into water and therefore not ideal for use in kitchens and bathrooms where water is most commonly consumed...”

“Sustainable building has to be part of, not just our future, but our present. Companies like Tyler Pipe make green construction that much more attainable by providing products that exceed the industry standard in sustainability and transparency.”

— Kaitlyn Blansett, Community Outreach Coordinator





Tyler Pipe and Coupling Case Study Cope Environmental Center



BACKGROUND

Cope Environmental Center is celebrating the completion of their sustainable education center. It is the first “living building challenge” (LBC) project in Indiana.

ABOUT TYLER PIPE

Tyler Pipe and Coupling is America’s largest producer of cast iron soil pipe and fittings and no-hub couplings for drain, waste, and vent (DWV) plumbing systems. Tyler products are a GREEN solution using 100% scrap metal to manufacturer their products and they are 100% recyclable at the end of service.

The Living Building Challenge according to the International Living Future Institute defined as one “a demonstration that the built environment can actually help restore the natural environment.” It is a way to move the market forward in environmental design and tackle global challenges such as growing energy and water demands without compromising the health of people or fragile ecosystems. The new building will also serve as the official trail head of the upcoming Bicentennial Legacy Conservation Area; a new recreation area that will include a children’s park and possibly a system of trails that connect Cope Environmental Center down to Whitewater State Park. This newly designated conservation area will not only protect East-Central Indiana, an area that has long been identified as “undeserved in public lands with biologically significant assets,” but it will also be headed by a new species of building that thrives with nature’s ecosystems rather than against them.

The Living Building Challenge (LBC) is a certification program that defines the most advanced measure of sustainability—providing a framework for design, construction and the symbiotic relationship between people and all aspects of the built environment. It is one of most rigorous performance standards in the industry. It requires net-zero for energy, waste and water by every project.

Each facet of the Living Building Challenge is performance-based so every building must measure for 12 consecutive months after completion before receiving certification. When projects achieve this level of performance, they can claim to be the ‘greenest’ anywhere and will serve as role models for future construction.

The LBC is comprised of seven performance areas, or “Petals” – Materials, Site, Water, Energy, Health, Equity, and Beauty.

For more information about CES, visit at:

[Http://www.copeenvironmental.org/home/sustainable-living-education-center-2/](http://www.copeenvironmental.org/home/sustainable-living-education-center-2/)