

( SECOND PLACE )

# Aerial Metal

## A COMPANY USES A METAL ROOF TO RECREATE ITS LOGO

BY LAURIE BANYAY

PITTSBURGH HAS A long history in manufacturing. During the early 1900s, freshly fallen snow quickly turned black from the soot generated by local factories. Much has changed since those days; Pittsburgh has cleaned up, and so have many of the companies residing in and near the city.

CONSOL Energy in Canonsburg, Pa., located about 20 miles (32 km) southwest of Pittsburgh, is one such company. The company has been mining coal since 1864 and operates the largest private research facility devoted exclusively to coal-energy utilization and production. Designstream Architectural Studio, Pittsburgh, designed the building to reflect the company's history and focus on technology. The facility is the second-place winner in the Roofs category of the third-annual *metalmag* Architectural Awards.

The project consists of a 75,000-square-foot (6968-m<sup>2</sup>) building that houses Fairmont Supply Co., a subsidiary of CONSOL Energy, and the 365,000-square-foot (33910-m<sup>2</sup>) main building. When seen from the air, the main building's roof forms the company's logo. The sweeping metal roofs also reference the conveyor belts essential to product delivery. Other building elements symbolize mining ventilation towers and miners' lanterns.



INNOVATIVE METALS CO. INC.

As Seen on metalmag's  
**2<sup>nd</sup> Place Winner**  
2009 Architectural Awards



**SERIES 300**

**Performance Inspired Symmetrical Metal Roof**

Timeless Elegance, Proven Performance, Strength & Versatility Have Made **Series 300<sup>®</sup>** the Metal Roofing System of Choice for More Than 20 Years

**Performa Edge**

ES-1 Certified Fascia & Coping Systems Also Available

**IMETCO**  
**(800) 646-3826**  
**www.imetco.com**

circle no. 15 or <http://metalmag.hotims.com>

**M) ROOFS**



## CONSOL Energy, Canonsburg, Pa.

**Building Owner:**

CONSOL Energy, Canonsburg, Pa.,  
[www.consolenergy.com](http://www.consolenergy.com)

**Architect:**

Designstream Architectural Studio, Pittsburgh, [www.dsstudio.biz](http://www.dsstudio.biz)

**General Contractor:**

Continental Building Systems, Pittsburgh,  
[www.continental-realestate.com/construction](http://www.continental-realestate.com/construction)

**Roofing Contractor:**

Bruin Roofing Inc., Coraopolis, Pa.,  
[www.bruinroofing.com](http://www.bruinroofing.com)

**Metal Roofing:**

About 33,000 square feet (3066 m<sup>2</sup>) of Series 300 Symmetrical Standing Seam Metal Roofing in platinum silver-painted aluminum from IMETCO, Tucker, Ga., [www.imetco.com](http://www.imetco.com)

**Wall Panels:**

About 37,000 square feet (3437 m<sup>2</sup>) of Envelope 2000 metal composite material using a rout and return system from Citadel Architectural Products, Indianapolis, [www.citadelap.com](http://www.citadelap.com)

"Our idea was to provide a strong design gesture toward the long history of CONSOL while using state-of-the-art materials to reflect its future," says Kevin Turkall, AIA, lead architect and president of Designstream Architectural Studio. "We knew from the onset we would use metal. We wanted contemporary, highly polished materials that would afford the opportunity to create crisp lines."

The aluminum roofing panels were factory-formed, crated and shipped in lengths up to 72 feet (22 m), then field-curved for an exact fit to the radii dimensions of each vaulted roof area. To protect the exterior glass façade during installation, field curving for the upper roof areas was performed on the concrete deck nearly 6 stories above the ground. That also presented a major challenge, says Brian Bartholomew, president of Bruin Roofing, Coraopolis, Pa.

# M) ROOFS

AWARD WINNERS



“One of the biggest challenges was a barrel roof over CONSOL Energy’s chief executive officer’s office on the sixth floor,” he recalls. “There was a flat, low-slope roof on the backside of the building where we could do our curving and hand the panels up. It was challenging having to handle the

panels more than once.” It took seven crew members three days to curve the 20,600 square feet (1913 m<sup>2</sup>) of metal panels.

Dave Fulton, vice president of research and development for Whirlwind Steel Buildings Inc., Houston, and a judge in this year’s architectural awards program,

especially was impressed with this project and its use of metal to recreate the company’s logo. “CONSOL Energy created a unique entrance canopy by curving the metal entrance panels and varying the eave height, creating a distorted effect for the eye-catching canopy entrance.”

## PRODUCT FOCUS - LOUVERS -

Our name might say curbs, but our product lines do not stop there. Take for example our louvers. We offer a wide selection of commercial louvers designed for a variety of applications. Our wide selection of products, including louvers, allows us to be your single source for all of your metal roof accessory needs.



Curbs



Snow Guards



Fans



Skylights



Ladders



Roof Walk



Louvers



Hatches



Solar Clips

# LMCURBS®

{ Protecting more than just  
your Roof's Integrity. }



[www.lmcubrs.com](http://www.lmcubrs.com)



800-284-1412

## NEWS

### LMCURBS: Expansion during Contraction

LMCurbs is pleased to announce its third plant expansion in only three years after relocating to their new plant to accommodate growth and material handling capabilities. The newly added material handling expansion will centralize metal inventories in front of the production process. Read more about us at [www.lmcubrs.com](http://www.lmcubrs.com)...

LMC