



**Tubular Steel** - learn how wood attached to metal panels helped reduce costs.

## PROJECT INFORMATION

**Project Year:** 2024

**Project Size:** 3,712 sq ft.

**Project Location:** Lorain, OH

**Days to Complete:** 7

**Project Overview:** Spray Foam over Metal

**Manufacturer Used (Foam):** Carlisle

**Manufacturer Used (Coating):**  
Progressive Materials

Tubular Steel's office roof has a trapezoid metal panel roof. After taking measurements of the panel's width and depth, it was determined that upwards of 3" of SPF would be needed to make the roof aesthetically pleasing.

This solution would've been expensive to the client (as would ripping everything off and installing a new roof.) The best solution (cost-effective, safety-wise, aesthetically pleasing, easier work on employees) was to fasten ¾" by 30" wide plywood in-between each metal panel, then spray over it. This reduced the foam to be sprayed at 1.5" thick, greatly reducing the cost for the client.

A "flanged back" gutter system will eliminate any potential water backup under the metal panels, as well as closing off the end of the panels to prevent wildlife from entering through the open ends.



