



## Case Study Madison Fire Department, Madison (Rexburg), Idaho

### PROJECT SPECS

**Project:** Madison Fire Department  
**Location:** Madison, Idaho  
**Panel Type:** MBCI FW-120 panels  
**Gauge:** 24g (standard)  
**Colors:** Desert Sand, Bright Red  
**Roofing Contractor:**  
 Smith Roofing, Rigby, Idaho  
**General Contractor:** Barry Hayes Construction, Idaho Falls, Idaho  
**Architect:** CRSA, Idaho Falls, Idaho  
**Completion date:** Fall 2015

### WHY MBCI?

MBCI provides customers quality metal products, superior service and competitive pricing. From a single manufacturing facility in 1976 to now the largest metal roof and wall panels' supplier in the nation, MBCI has grown tremendously with its customers' needs in mind. MBCI manufactures more than 90 different metal panel profiles, as well as performs meticulous testing and offers complete engineering and design capabilities, allowing MBCI to be capable and committed to supporting both the design and contractor communities from project conception through project completion.

### COLORFUL, HEAVY-GAUGE METAL PANELS PROVIDE FRESH LOOK FOR FIRE DEPARTMENT REMODEL

The Madison (Rexburg) Fire Station's 2015 expansion included approximately 11,000 square feet of living quarters, administration, training, and emergency command center spaces. The facility, which was built in 1977 and first expanded in 2000 to include EMS services. The facility received a "refresh" during the latest renovation by utilizing MBCI metal siding as well as cementitious siding, to provide an updated look to the exterior of the dated structure.

While the siding aspect of the overall job was relatively small in scope, it was big in terms of the aesthetic punch it provided. As part of the remodel, plans called for MBCI's FW-120 wall panels to enhance the front of the building.

### CHALLENGES

The town had recently experienced a big population growth, which meant that the local fire department needed to grow as well. With more than 80 employees, an expansion to the station was all but inevitable. And with that expansion, came the need to bring both beauty and great performance to the building's exterior—creating a space where the close-knit firefighters could feel at home—at a cost that wouldn't break the bank for taxpayers.

### SOLUTIONS

To provide the needed refresh to the building's exterior, MBCI FW-120 panels were spec'd in two different colors—Desert Sand and Bright Red. The FW-120's heavy gauge offering provides for large spanning capabilities, particularly in composite wall applications. FW-120 is available in three profiles—a flat profile (the profile used on this project), a profile with one bead and a profile with two beads. All MBCI FW-120 panels have been tested by a certified independent laboratory in accordance with ASTM test procedures for Air Infiltration and Water Penetration at the sidelap. Test results show no air leakage at 1.57PSF and no water penetration at 6.24PSF differential pressure.

Smith Roofing Pros, based out of Rigby, Idaho, served as the roofing contractor on the project. According to Jerry Hampton of Smith Roofing, one of the major benefits of using the FW-120 panels was the aesthetic refresh the panels provided the structure within a very short period of time. He explains that the general contractor, Barry Hayes Construction, "did some overbuild on the front and framed it out for the new panels. We installed the MBCI metal panels in about three weeks, giving the building a 'face lift.'"

Jerry shares that there were no real problems on the metal panel aspects of the project—of particular note is that there was no oil canning, which was something that was a concern at the outset given the 20-foot-long panel. He says there was no problem at all, adding "We put a couple of panels up, the GC looked at it and they liked it." The fact that there were no issues reinforced the decision to go with the FW-120 panels as opposed to a more expensive panel.

### RESULTS

The renovated fire station got a clean, vibrant look—due in large part to the FW-120 concealed fastening panels that provided a flat appearance, as well as to the bold color choice. Additionally, the project benefited from the panels' superior protection from air and water leakage—all at relatively low cost.

The end result for the fire house was a modern, fresh look—something that both the firefighters and the community could be proud of. The job was completed in a short period of time with no problems of note—being completed at the same time as the interior remodel was going on.