SIERRA GRILL

ACADEMY
ROOFING INC.

CRA
COLORADO ROOFING ASSOCIATION

Awards Dinner

February 22, 2018

"Recognizing the Outstanding Work Done by CRA Member Companies!"

JOB OF THE YEAR

Nomination Deadline: **Friday, December 1, 2017**

Award Application

Company Name Academy Roofing, Inc. Contact: Erika Sell

Contact Email esell@academyroofinginc.com Contact Ph: 303-360-0708

Name of Project Sierra Grill

Check One: ■ New Roof ☐ Re-Roof

Categories – $ Size of Contract:

☐ Under $150,000
■ $150,001 - $450,000
☐ $450,001 - $850,000
☐ Over $850,001

Other Categories:

☐ First Timer' Submission *(please also indicate $ size above)*
☐ Community Service*

General Contractor PAFC,LLC Start Date December 2016

Owner Sierra Holdings, LLC Completion Date November 2017

Project Manager for the Project Gustavo Reyes

Foreman for the Project Bernardino Estrada

Consultants for the Project NA

Sub-Contractors for the Project NA %

%

Material Manufacturers Used
1. Highline Metals, Inc.
2. Western States Metal Roofing
3.

Distributors or Suppliers Used
1. American Roofing Supply, Highline Metals, Inc.
2. Schafer & Co.
3. Western States Metal Roofing

Nominations must be 1) submitted on this form, 2) typed (minimum 11 pt font), 3) one-sided, 4) seven-page maximum (this cover form plus two page maximum per question below), 5) double-spaced and 6) signed.**

Attach your description/summary outlining the following:

1. **Please describe the roofing system for the Project starting with the deck and working up.**
2. **What were the safety considerations for the Project** *(i.e.: What measures did you take to keep your crew and/or the public safe & how did safety affect the execution, timeliness and costs of this project)*?
3. **What were the job conditions/site restrictions/unique circumstances that you dealt with for the Project that sets your Project apart from others** *(i.e.: weather, access issues, deadlines, budgets, your design input/contribution, being the general vs. sub, multi-employer worksite, public exposure, government restrictions, 3rd party inspections, etc.)*?

I CERTIFY THAT THE INFORMATION CONTAINED IN THE PROVIDED NOMINATION PACKAGE IS TRUE TO THE BEST OF MY KNOWLEDGE AND THAT THE NOMINEE IS A MEMBER OF THE CRA. THE NOMINEE ALSO CONSENTS TO HAVE HIS/HER NAME AND/OR PHOTO PUBLISHED IN CONNECTION WITH THE CRA AWARDS DINNER.

NOMINATOR'S SIGNATURE

11/30/17
DATE

* *Community Service Category – if applicable, please answer the questions on this application. Otherwise, please submit a separate one page (maximum), double spaced description detailing the charitable work your company provided to the community or individual in 2017 (who, what, where, when and a description of the charity or cause).*

** *Photos need to be emailed to CRA and should also be printed and included with this form to emphasis specific details of a project for the judges to see.*

Describe the roofing system for the project starting with the deck and working up.

The main 18/12 A-frame roof over the restaurant was designed with two roofing systems in mind. Roof System A consisted of **perforated**, corrugated metal panels spanning open purlins.

Roof System B, was over a section of the grill where diners would be seated. This required an insulated roof system consisting of 4.5" Nailbase and one layer of adhered ice and water shield for waterproofing. The metal panel system was a **solid** 22 gauge corrugated metal that matched the profile of the perforated metal panels of Roofing System A.

On lower sloped roofs at the courtyard and outdoor dining areas, solid corrugated metal panels were installed spanning open purlins.

Fascia metal was installed in a number of areas on the exterior of the building to complement the naturally weathered window frames and structural steel members. We also installed a 16 oz. copper custom-fabricated chimney cap.

All of the above was included in our original scope of work. Although the metal panels would weather and age naturally, the owners decided they wanted to accelerate this process with the metal that would not be exposed to the elements. We "bathed" many of the metal pieces in a solution the owners provided that would weather the metal in a matter of seconds. For pieces that were already installed we sprayed the pieces to achieve the look the owners desired.

When the owners saw the look of the roof, they liked it so much they decided to bring that look into the restaurant interior. Our scope of work then expanded greatly, as the owners added more and more of the metal panels in the restaurant. We used a mix of perforated, solid and flat seam panels to achieve different aesthetics throughout the restaurant.

As the project drew to a close, the builder brought in used copper from Mexico (in flat sheet) that we installed throughout the kitchen area.

What were the safety considerations for the project?

There were many safety challenges on this project, but the most pronounced was that the access to the 18/12 A- frame roof was very poor. One side of the A-frame had a very steep grade that made the use of any type of equipment on this side of the roof impossible. All material had to be hand carried to this area, and then loaded using pulleys through the open purlins.

Our crews had to straddle the open purlins for much of this installation. This was especially difficult when the crew members were handling panels as long as 30' while the wind howled through this canyon-like jobsite. Production was slow!

This was a busy jobsite, with many other trades working in the immediate area. This became even more pronounced when we began installing the metal panels in the interior of the restaurant, using a scissor lift. In this area we were working with many other trades we usually never see.

The solution used to accelerate the weathering of the panels was developed independently of the metal manufacturer. We had to research the ingredients of this solution until we were satisfied that it posed no threat to our installers. Nevertheless, out of an abundance of caution, our installers wore personal protective equipment whenever they were spraying the solution on, or bathing the panels in this concoction.

What were the job conditions/site restrictions/unique circumstances that you dealt with for the project that sets your project apart from the others?

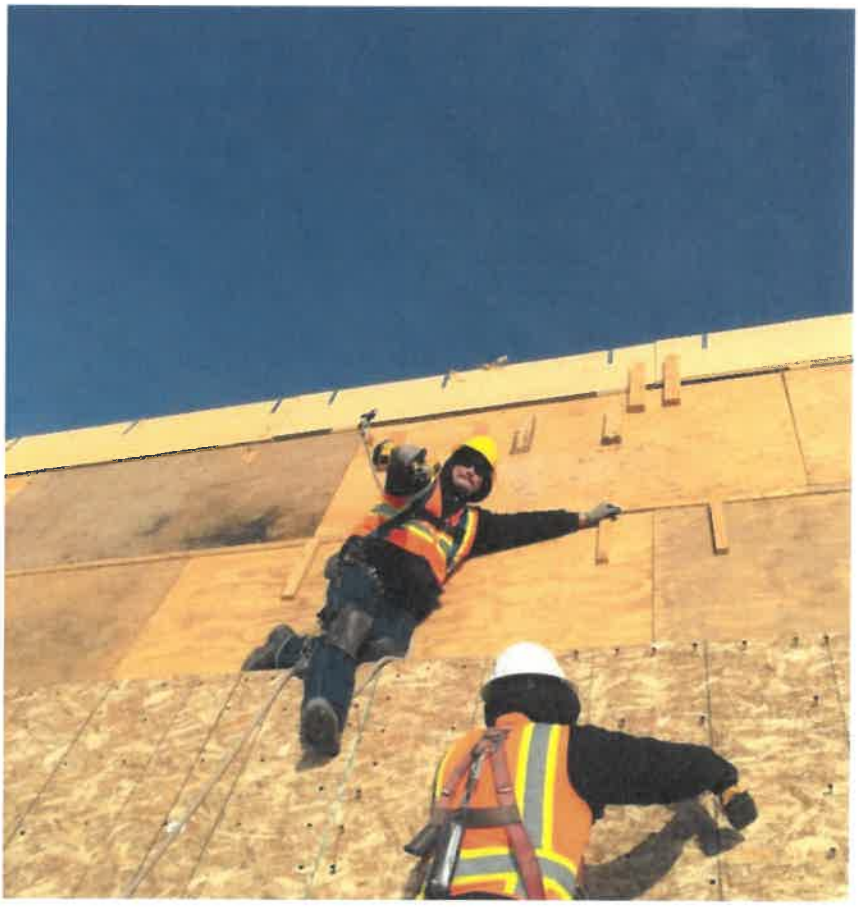
This project started out as a roofing job and eventually became something quite different. The owners and architect liked what we had done on the exterior with the roof and so they asked us to bring that look into the restaurant. That was a new experience for us. It meant that we worked closely with just about every other trade on the job. And when we started working inside, the owners and architect tended to "piecemeal" as we went along. If they saw an area where they felt the "aged" metal would look great, they asked us to add it on. Pricing all of the changes was a challenge. Additionally, metal pricing changed during the course of the job. We had little direction from the architect both functionally or aesthetically to rely on. Most of the work we did inside was designed on the spot and we had to call upon our artistic abilities constantly.

From a management standpoint, this job was a challenge. The job spanned all four seasons and realtime job costing was paramount in order to ensure a profit on this project. With over 20 mobilizations and dozens of change orders, we could not afford to become complacent about the progress of the job or the necessary administrative details. We had to be hyper-focused on this project!

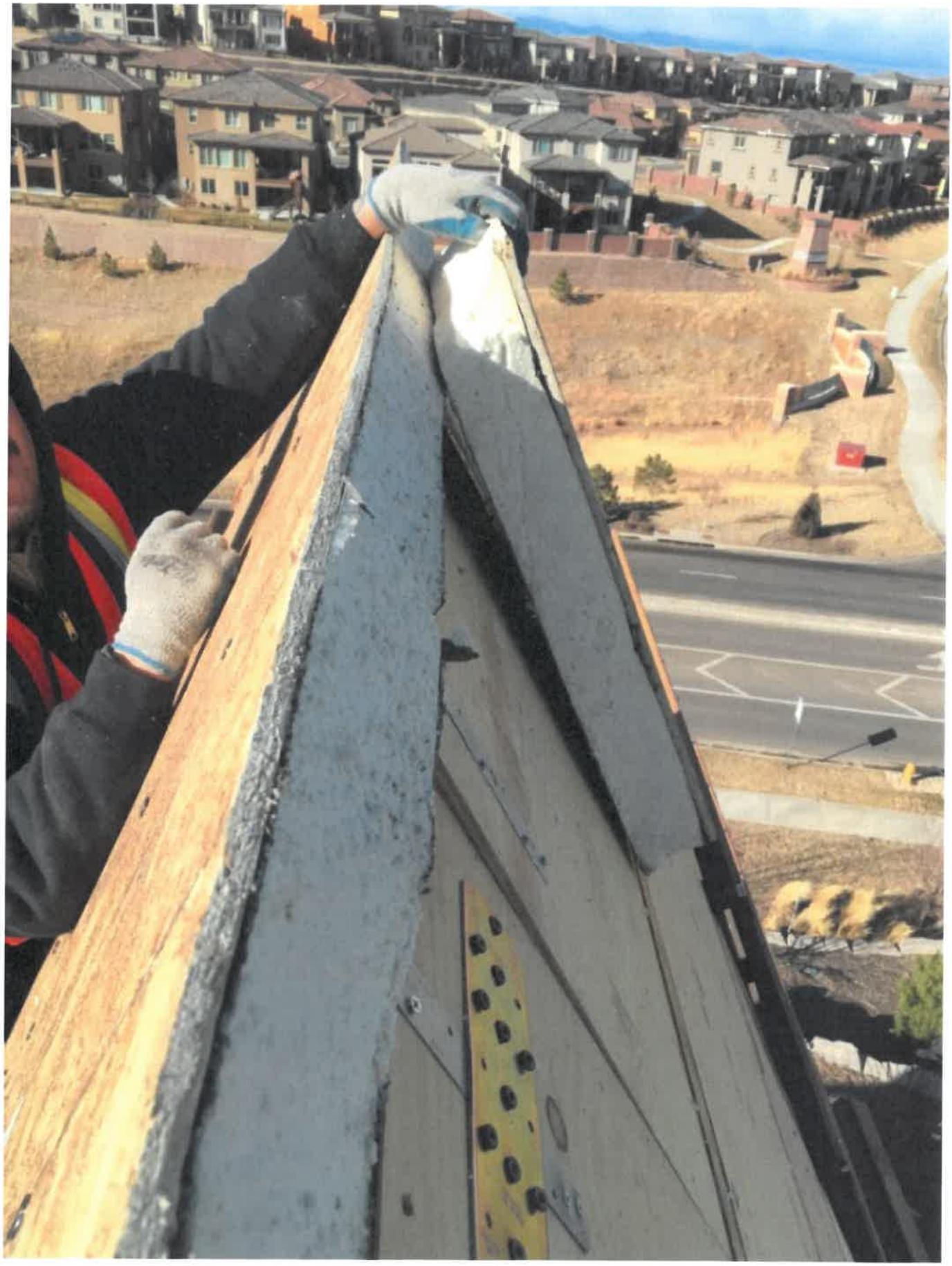
Structural Frame

A-Frame Steel Structure

NAIL BASE INSTALLATION



A-Frame RIDGELINE



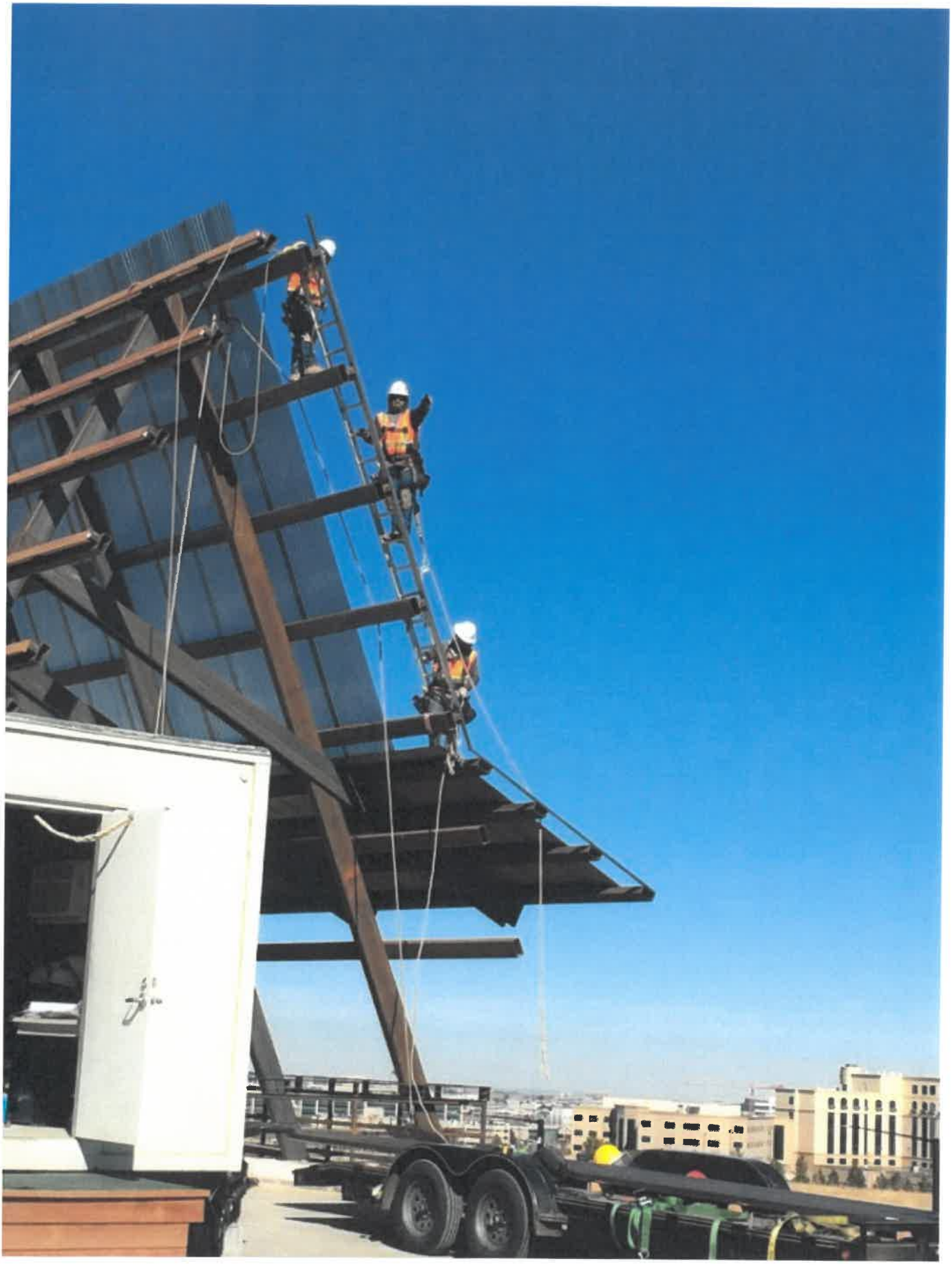
HAND LOAD OF INSULATION

A-FRAME WATERPROOFING

A-FRAME PANEL LOADING

OPEN PURLIN PANEL INSTALLATION

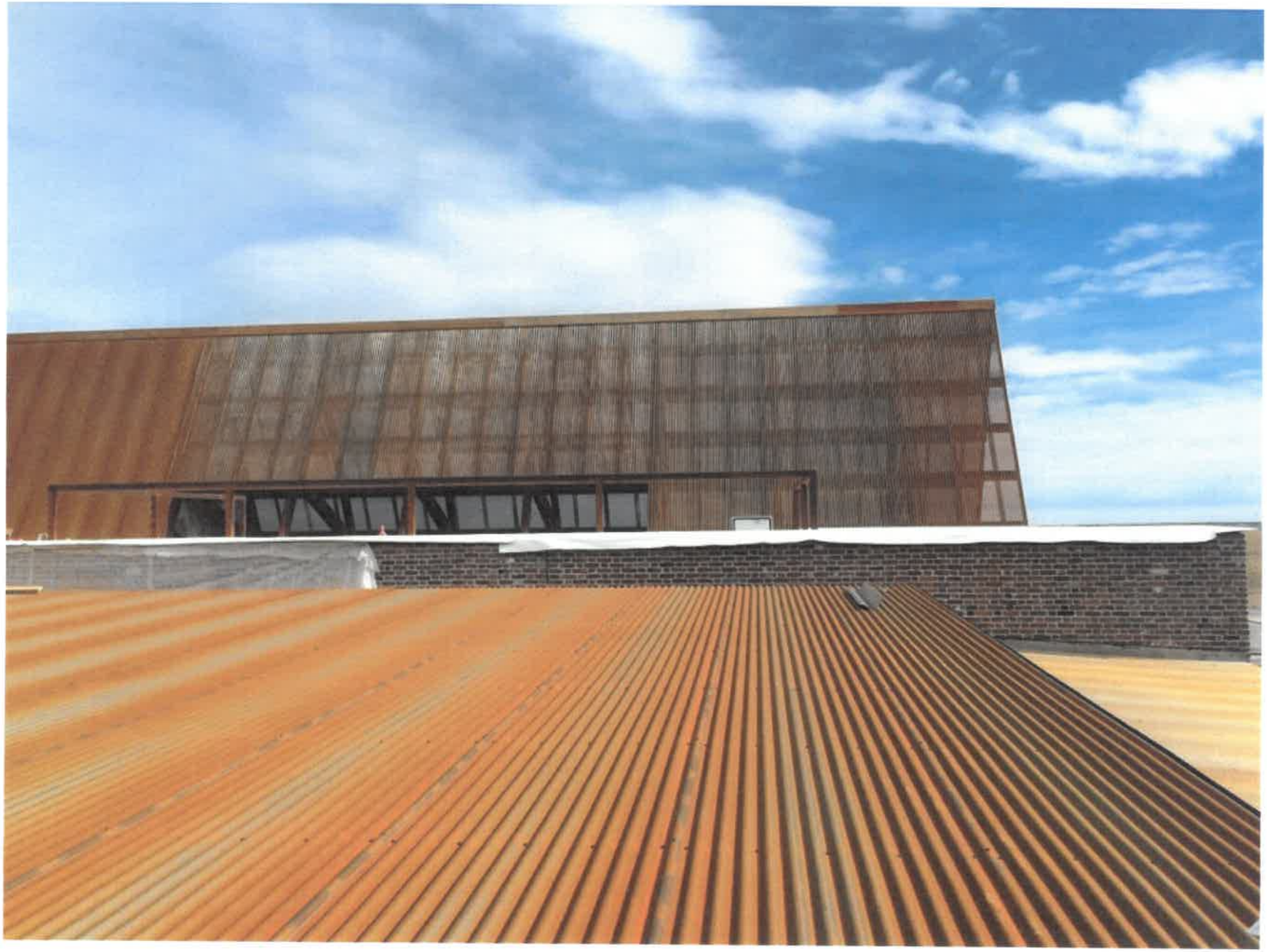
OPEN PURLIN PANEL INSTALLATION



A-FRAME CORRUGATED PANELS

CORROSIVE SPRAY APPLICATION

NATURALLY WEATHERED A606-4 METAL PANELS



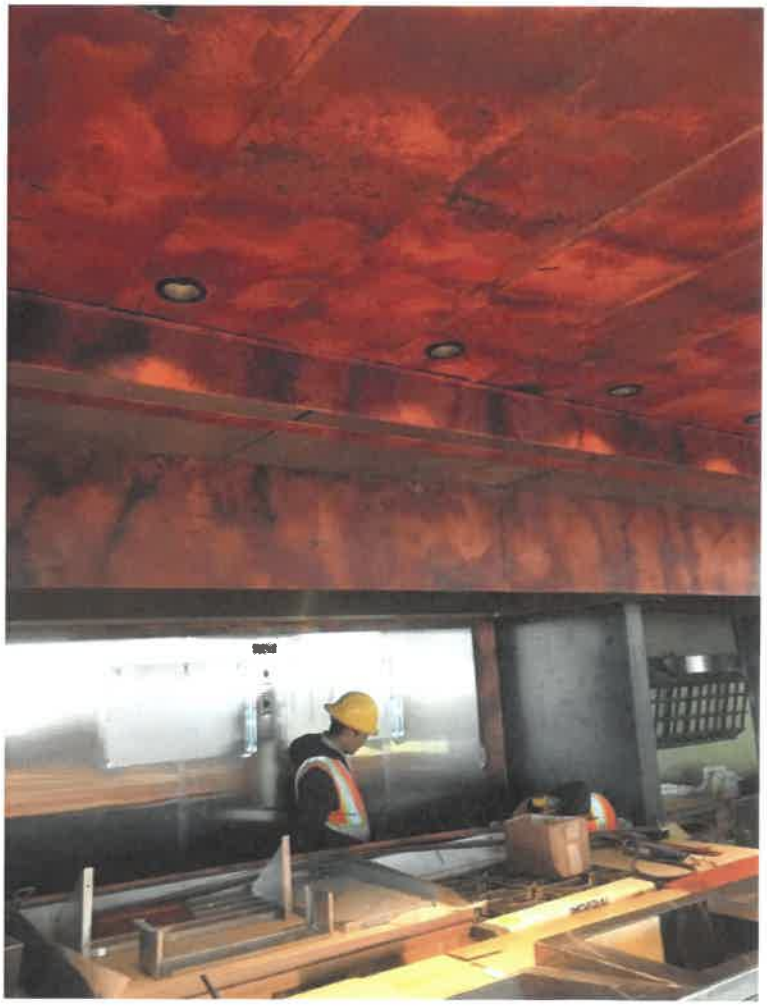
A-FRAME INTERIOR

FLAT SEAM COPPER CEILING INSTALL

CUSTOM COPPER FIREPLACE CAP

COPPER WALL PANELS @ GRILL

CUSTOM COPPER INSTALL @ KITCHEN



PERFORATED METAL PANELS (EXTERIOR)

PERFORATED METAL PANELS (INTERIOR)

METAL PANEL INSTALL @ ENTRY

CORRUGATED METAL CEILING @ BAR AREA

COPPER FLAT SEAM CEILING

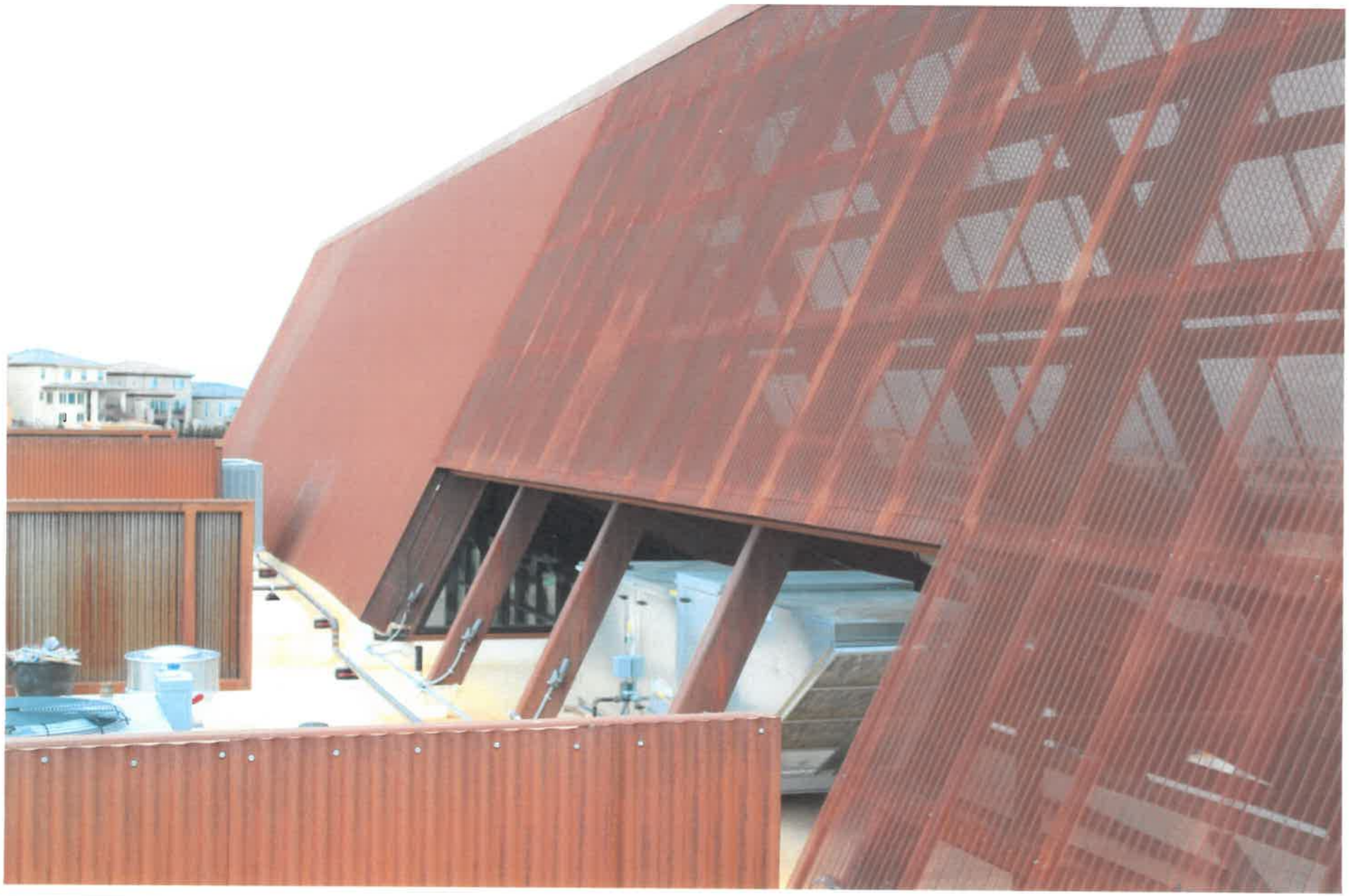
A-FRAME INTERIOR (FINAL PRODUCT)

COPPER WALL PANEL @ GRILL (FINAL PRODUCT)

PERFORATED METAL A-FRAME (FINAL PRODUCT)

OUTSIDE DINING AREA

WEATHERED A-FRAME



PROJECT COMPLETE