



KUDU ROOFING LLC

Residential, Commercial, & Gutter Services
2709 W Belleview Ave, Ste B, Littleton, CO 80123
Office: (303)738-1032 Fax: (303)738-1036
www.KUDUROOFING.com



THE MILLER PROJECT

SlateTec Vermont Slate





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 Kudu Roofing LLC

Contact: Leon

Contact Email leonville@kuduroofing.com

Contact Ph: 303-738-1032

Name of Project The Miller Project

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 Southwood Construction

Start Date 10/16

Owner The Miller Family

Completion Date 01/17

Project Manager for the Project Paul Mumford

Foreman for the Project Victor Roman

Consultants for the Project Mike McDonough - SlateTec

Sub-Contractors for the Project _____ %

Material Manufacturers Used

1. Green Mountain Slate
2. Tamko
3. Sharkskin

Distributors or Suppliers Used

1. SlateTec
2. American Roofing Supply
3. Coated Metals Group

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.

[Signature]
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.



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When Kudu Roofing was contacted by the **Miller** family they had recently purchased their dream home in the Green Oaks subdivision of Greenwood Village. The Millers were about to perform a major interior and exterior remodel to the home, in order to make it their own.

The Millers knew they wanted genuine *Vermont Slate* for the roof and contacted SlateTec to discuss their project, along with Kudu to discuss the installation.

After a home presentation and looking at some other SlateTec installations, the Millers were extremely happy with the SlateTec system. They decided they loved the look of the thicker $\frac{3}{8}$ - $\frac{1}{2}$ inch slate with a small percentage of $\frac{1}{2}$ - $\frac{3}{4}$ inch thick slate to be installed in Vermont Grey Black for the main house. Vermont grey black is a weathering color so the roof would change and weather over time which they were excited about. The thinner, less weight option of $\frac{1}{4}$ - $\frac{3}{8}$ slate was to be installed on what they called "the barn" to avoid any possible need for engineering. It was also decided that all of the slate would be installed with drop downs (with a stagger).

The complete home had pitches that ranged from 2/12 - 14/12 with the predominant pitch of 10/12. With the new construction portions the main house was right at 75 sqs of slate and the barn was at 10 sqs.

The home also had a 6 square existing, 2/12 back patio overhang, that Standing Seam Metal roofing was selected for an attractive accent roof and to complement the slate. The barn also had a low sloped overhang of 1/12 that granulated modified roofing was chosen to be installed.

Copper gutters and flashings were very much a consideration for the project.

It was ultimately decided however that due to budget and also the current quality of prefinished gutters and flashings, that prefinished 6 inch half round gutters and 4 inch round downspouts with prefinished flashings, made the most sense.

The result was a stunning slate roof for the Miller family and one that Kudu Roofing is extremely proud to include as a project for job of the year consideration. (Under \$150,000)



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PROJECT SPECIFICS

*The project began at the end of October 2016 and was completed January 2017.

*The Millers had already contracted with a general contractor that Kudu Roofing had not worked with in the past. After multiple site meetings and schedule coordination, it was decided that the roof would be removed by Kudu in stages to allow for 3 main addition areas to be constructed. One slope at the entry addition had to receive additional engineering using 2 x12 sistering in order to allow for the thickness of slate to be installed.

*The tear off and dry in of the existing shake shingle roof was performed using *Tamko Moisture Guard* Ice and Water shield at all eaves and valleys with *Sharkskin Ultra* and Titanium Synthetic underlayments. The Standing Seam Metal roof was installed over *Sharkskin Ultra SA High Temp Ice and Water shield*.

*The SlateTec tile was delivered by road from Vermont to Denver and ground dropped onsite by American Roofing Supply. The tile was then painstakingly mixed on the ground to insure all slate widths, thicknesses and dropdowns were in the correct order and position for the installation.

*The slate was moved around the site using a donkey lift.

*The slate was then manually loaded using the donkey and an in house loading machine onto roof jacks spread out around the roof. The slate was expertly installed by our in house crew. In using the SlateTec system, all layers were "laced" using the patented interlayment to install the system as per manufacturer specifications.

*Special attention was paid to venting to meet current codes using slant back style roof vents.

*Approximately 500 snow guards were installed at the eaves of the home to help retain any winter snow buildups and protect the new gutter system..

*A 24ga Standing Seam Metal roof was installed at the low sloped back patio.

*A granulated modified self adhering roof was installed at the barn.

*A new 6 inch Half Round Gutter system with 4 inch downspouts was by Kudu Roofings gutter division.

*Overall the roof took approximately 3 months to complete due to the technical aspects of the project.

The Miller Family was extremely excited with the outcome as were we at Kudu Roofing.



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SAFETY

- *Safety of the Miller family ,other workers and the family dog was a top priority.
- *In coordination with the general contractor, hard hats were required by all other trades on the ground.The Millers and the family dog only entered and exited the structure through the garage.
- * Safety of our roofing crew as always, was of major consideration throughout this project.
- *Fall protection was required to be used 100% of the time throughout the project.
- *Toe boards and roof jacks were also used to provide safe working surface and allow for the slate to be stacked on the roof safely.
- *All ladders were tied off for the entirety of the project.
- *A Donkey lift was used throughout the process to load and move slate. Safe driving and loading practices were used by our crew when using the lift.
- *Our crew was constantly monitored and on site safety meetings were performed regularly throughout this project.
- *The stacked slate was constantly inspected to avoid any failures of loading or storage.



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Unique Situations

*Coordination with a general contractor, Kudu had not worked, with was a challenge. Communication was key to overcome and ultimately successfully balance schedules. Ultimately we were able to overcome these issues and meet all deadlines.

*An existing copper bay window roof had to be protected throughout the slate install as to not damage.

*There were multiple roof pitches ranging from 14/12 -1/12 and the use of multiple roofing products.

*The weather was an issue due to the time of the year the project commenced. We had very good weather throughout but did have to deal with snow and ice on multiple occasions.

*The slate was delivered and ground dropped. All materials have to be hand loaded by our crew (No supplier loading included on this project unfortunately) and all slate was stored at the rear of the home, with stations created around the project to make loading the project as easy as possible for our crew.

*The slate is packaged and arrives palletised at the site per size, so mixing of the slate for size and shape is painstakingly performed on the ground to insure the proper blend. This is done before loading the roof.

*Constant monitoring of the roof installation was made so the roof looked perfect and consistent.

*The existing brick/cobble drive at the front of the home was not usable due to the weight of the slate and thus did not allow good access to the roof at the front of the home.

*A new Velux skylight was supplied and installed by Kudu Roofing on one of the steeper portions of the roof.

*The homeowner made the decision to install a cupola on the barn very late into the process and asked Kudu Roofing for their help. It was difficult to set into place due to its weight but once installed by our patient crew, was a very nice feature.

Special thanks must go to our crew lead by Victor Ramon. This project had very extreme pitches, multiple trades, products and was extremely physical.



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BEFORE





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DURING





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AFTER

