

Just like the original



**HFX STAINLESS
FOR ROOF +
FACADE**

History

On the East Range of the historic UVA Campus stands Hotel D, designed by president Thomas Jefferson himself and opened in 1821. Jefferson was a passionate architect and among the most influential architects in the history of US. Over the past 200 years Hotel D has served a number of functions and today houses the Teaching Resources Center for the university. The original roof consisted of tin-coated iron shingles, locked together in a folded seam system designed by Jefferson after he got inspired with European architecture and roofing systems. Part of the original roof still remains intact protected by the new roof.

ROOFINOX[®]

Like no other.

Objectives

As a highlight of American architecture it was important to protect the uniqueness of Jefferson's roof and maintain the authenticity of the historic original. Therefore, the standards for roofing materials were set high. First of all, it needed to be functional and practical. Second of all, the material needed to be durable and cope with moisture. Third of all, it needed to be lightweight for the sake of the building structure and flexible to work with for the craftsmen.



Solution

It was agreed that Roofinox Tin matte would be the best material to replace the old roof for various reasons. The terne coated stainless weathers to a natural matte patina and would capture the beauty of traditional terne metal of the original roof. The material is functional, strong and flexible that allows for a historical rebuild by using hands on traditional techniques. The material is known to be workable by hand, easy to seam and solder and is virtually lead free.

Detailing

Roofinox Tin matte (TCS - terne coated stainless) was supplied in 24-inch by 50-foot rolls. Each shingle was individually fabricated to desired shape and attached with concealed clips and soldered. As picture 1 shows, the bottom pent was folded with a 4-side interlocking system with shingles installed in landscape orientation. The top pent however, was folded with a 2-side interlocking system with shingles installed in portrait orientation. The newly installed roof reproduces perfectly the original roof while serving as a protective envelope that will last for generations to come.



1 Detailed view of roof
2-3 Flatlock tile installation
4 Shingles detail



Facts

Scope: Historic roof renovation & preservation
Product: Flatlock tile (custom)
Design: Roofinox Tin plated (today: Tin matte) (TCS)
Architect: JGWA Architects, Albany, NY
Installer: UCA Service Group & W.A.
Lynch Roofing Co, Charlottesville, VA.



Upon delivery



Patina after 2 years

For samples, literature or a personal appointment / call / video-conference, please contact us at:

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