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Agway Metals Case Study | HILTON HOUSE AGRICULTURAL RESEARCH STATION

The recent renovation of a ninety-one year old Commercial/Agricultural Research Station, in Fredericton, New Brunswick – referred to as Hilton House – was recently undertaken to update the facility’s roof, using materials that would maximize performance and enhance the sustainability and environmental neutrality of the renovation over the long term. The locally famous Agriculture Canada facility was in dire need of a new roof, and project design engineer Dave Stevens, of Silk Stevens Limited Design and Consulting Engineers, was intent on finding the most prudent, affordable and environmentally sustainable solution to replace the existing, degraded asphalt shingles.

Following an exhaustive study of products and technologies in today’s roofing market, he chose to re-roof using Springhouse steel shingles, by Agway Metals.

After reviewing and agreeing upon the project performance specifications with the customer, Agriculture Canada, Stevens met with Agway’s Gil Mulligan, who said he had a product that he believed could deliver on both goals.

“When Gil showed us a Springhouse steel shingle, in Colonial Red, it was a fantastic match and the customer felt that it truly captured the authentic look and feel of the building’s original appearance and character, which is exactly what he’d been looking for,” says Stevens.

Other steel shingles were also considered, but none came close to capturing the colour, look and feel of the era when Hilton House was built. And of course the durability and maintenance-free attributes of Springhouse shingles also offered a much longer service life than any asphalt shingle and would, therefore, contribute to the project’s long-term goal of sustainability.

“We were searching for a very high-quality shingle that, aesthetically, would look as close as possible to the original shingles, in terms of colour, texture and profile,” explains Stevens. “So, when researching roofing materials, we considered many different kinds of high quality shingles.





PROJECT

Hilton House Agricultural
Research Station

ARCHITECT

Silk Stevens Limited Design &
Consulting Engineers

APPLICATOR

A & J Hanna

AGWAY PRODUCTS USED

Springhouse Shingles
Colour: Colonial Red

In addition to beautifully complementing the natural stone of the near-century edifice, they were also looking for highly durable product performance to maximize the value of the new roof over the long term, Springhouse shingles, which offer an unmatched service life of 40+ years, are manufactured partly from recycled steel and are 100% recyclable at the end of their life cycle, which, according to Stevens, made them the perfect solution.

“Agway also introduced us to A&J Hanna, the installation contractor, who did an incredible job on the roof installation, with ongoing support from Agway personnel from start to finish,” says Stevens. “So, the workmanship was good, we had the right the materials and the job turned out fantastic,” he continues, so we’re confident the new steel roof will serve the building very well for the next forty to fifty years, and probably longer,” he says.

The new Hilton House roof is a completely new roof. After stripping off the existing shingles, which were well past their service life, Hanna proceeded to: resurface the entire roof; apply new water and ice shields; replace all the fascia and soffits; and install Springhouse steel shingles.

At the outset, when Silk Stevens and the building owner were considering a fairly significant purchase of very high quality materials for the new roof, they also wanted to eliminate costly maintenance/repair trips to the site throughout its lengthy service life.

As Agway’s Gil Mulligan explains, “Springhouse steel shingles are built to withstand anything nature and Canada’s climates can throw at them. They’re impervious to it all – extreme temperatures; severe winds, hail; fire; moisture; air and water-borne pollutants; termites; moulds, and other pernicious pests. That’s why they come with a 40-year guarantee, he adds.”

“At the end of these jobs,” explains Stevens, “all you’re left with is the materials and the workmanship. And on this project we achieved everything the customer was looking for. We had good materials, good workmanship and produced a new roof that looks terrific and will last a long, long time; so, we were able to achieve everything the customer wanted,” he concludes.

When re-roofing Hilton House, a ninety-one year old commercial/agricultural research station, in Fredericton, NB, Silk Stevens Engineering investigated all available material options. Materials were chosen based aesthetics that faithfully emulated the look of the building’s original roof, as well as offering environmental sustainability. Agway’s Springhouse steel shingles were chosen as being, by far, the most prudent solution for both.