

The roof replacement at Jamesville CF was an exceptional project, consisting of the removal and replacement of 74,320 SF at 5 different buildings, while abiding by the correctional facility's strict security requirements.

This project was considered a "Science Project" for Onondaga County to evaluate various roofing systems.

A different roofing system was installed on each of the 5 buildings as a means of better determining the longevity of different roof systems, including 8,130 SF of fully adhered EPDM roof, 49,780 SF of adhered TPO on flat polyisocyanurate insulation, 8,180 SF of Vegetative Sedum Tile Roof, & 8,230 SF of adhered TPO on tapered insulation.

The Green Roof installed required intricate & precise placement of sedum tiles atop a fully adhered TPO roof, with water flow indicators buried in the makeup of the roof to track the water flow, retention, and discharge levels. While adding beauty & distinction to the facility, this roof also provides superior sound insulation, energy efficiency, & a significantly lengthened life.

Each of the TPO & EPDM roofs were installed with various insulation thicknesses and included heat sensors to take readings and record the effects.