

Newtown Youth Academy

An indoor multi-use sports facility

PROJECT FACTS:

Location:
Newtown, Conn.

Square Footage:
86,000

Design-builder:
Claris Construction, Newtown, Conn.

Metal superstructure and roof:
Butler Manufacturing, Kansas City, Mo.

Solar system:
Alteris Renewables Inc., Wilton, Conn.

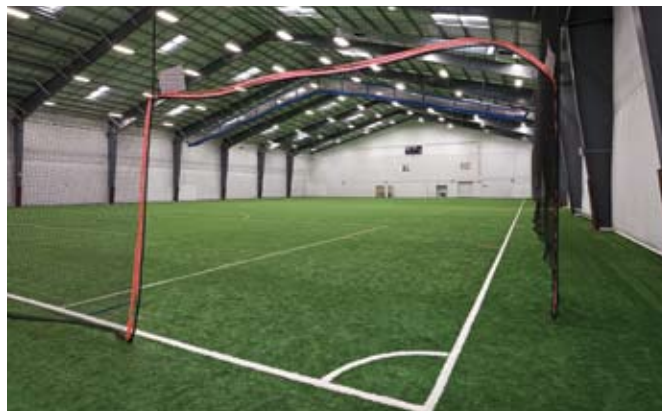
The Newtown Youth Academy in Newtown, Connecticut, a multi-use sports complex whose custom metal superstructure and roof were supplied by Butler Manufacturing, is getting rave reviews in both its community and the building industry. The building is designed for LEED-Silver status and also has been honored with a national architectural award from Tilt-up Concrete Association for its seamless merging of tilt-up concrete and steel superstructure. The recycled steel used in manufacturing the framing and metal roof system, as well as the power plant fly ash in the tilt-up concrete walls, produced a building envelope with 28 percent recycled content.



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Newtown Youth Academy



Conventional construction / single source design and manufacturing

Exercising its capabilities in conventional design and construction, Butler supplied the custom metal building system that created the structurals and roof for the two fieldhouse wings. Butler also supplied the MR-24 standing-seam metal roof system with a Cool Roof coating.

"This is a large pre-engineered building with a two-story office component, so we needed a conventional solution," said Phil Clark, project architect with Claris Construction. "It made sense to have the same source supply the steel, and Butler made it an absolutely seamless process where the various parts came together just perfectly," said Clark. "Butler is known to do that successfully."

Ease of use with solar technology

The structure is brimming with sustainable features including three electric generating solar arrays on a highly reflective MR24 Butler roof, configured to provide a third of the facility's energy needs. Claris Construction has led several projects combining the MR24 and solar arrays, and more are on the drawing board.

Call your area manager for more information on Butler's conventional and hybrid/conventional capabilities.

"The solar subcontractors love this combination, because it's an easy installation using S-5 PV clamps. And since the MR24 roof reflects heat much better than a flat rubber roof, the heat load is kept away from the panels and their efficiency is thus optimized," said Clark.

A popular facility for many ages and activities

The new complex serves many age groups and accommodates diverse activities including soccer, lacrosse, softball, flag football, basketball, volleyball, and tennis. The facility also features a four-lane track, an 8,000-square-foot fitness center, and other areas for aerobics, yoga or group meetings. Office space, a café, lockers, showers, and storage areas complete the spatial subdivisions.

"It is a new-generation facility whose sustainable design and operational efficiency will serve the community's needs for decades to come," said Clark.



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