



REFERENCES

EPIC FARM CAMPUS, VERONA, WI ■ GARDIA-600 GUARDRAIL

■ *Project Data:*
Epic Farm Campus,
1979 Milky Way, Verona,
WI 53593
Architect:
Cunningham Group
Architects
General Contractor:
J.H. Findorff & Sons, Inc.
Installed: 2017



■ *Office interior Theme: New York Train Station*

■ *Roofpatio on the Chocolate Factory Bldg.*

GarDIA-600, Diadem®'s Self Ballasted Guardrail Solution

■ Epic Systems is one of the largest electronic health records software companies in the U.S. with its headquarters located in Verona, Wisconsin. The sprawling campus recently completed its fifth expansion phase, a total of 25 buildings each with architecture and appointments full of whimsy. From the recreation of Harry Potter-styled passage, or the New York train station styled offices, waterfalls and literary-inspired themes, its quirkiness is meant to inspire the company's nearly 10,000 employees. The online atlas of Earth's most interesting places, Atlas Obscura called the campus of Epic Systems headquarters "one of the strangest and largest workplaces of all time."

■ Why to use a self ballasted Guardrail

Many of the buildings feature rooftop access with patios surrounded by vegetation and are used as informal meeting spaces or a nice setting for a break. Architect firm Cunningham Group specified Diadem Safety Solution railings for these areas

specifically for their ability to use the surrounding medium to hold in place securely without penetrating the roofing membrane, or having direct attachment to the structure. Jacob Jankowski, Project Engineer with construction contractors J.H. Findorff & Son, said "the desire not to penetrate the roof is the biggest driver for utilizing this railing."

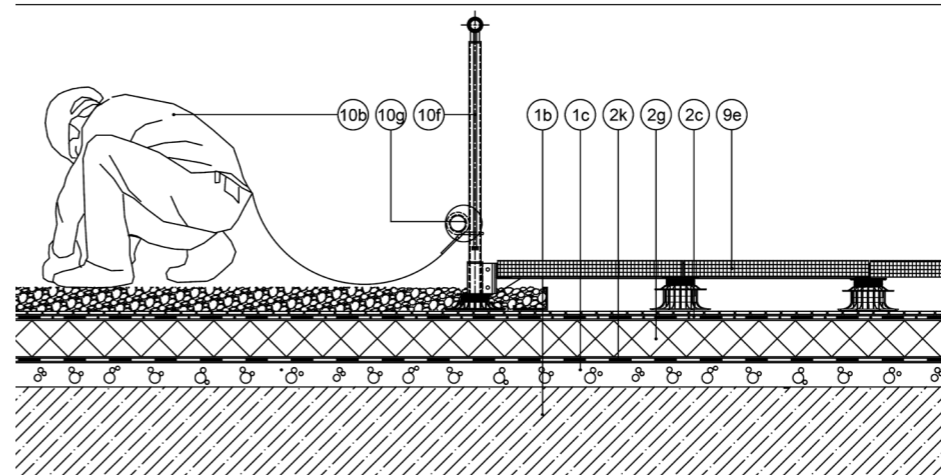
■ Green roofs help manage storm water and extend the life of the waterproof membrane by reducing its exposure to the elements, especially UV rays. By using Diadem's non-penetrating products, points of failure in the roof system are minimized reducing maintenance costs and adding to the building's longevity.

■ Sustainability is a big part of the company ethos and important to their employees and it is why the campus features impressive solar power arrays and geothermal heating and cooling, but being sustainable is more than just saving electricity. Steve Dickmann, Epic's chief administration officer, told a Wisconsin newspaper in June 2018 that increasing physical asset life-spans are also part of their sustainability vision. "We build durable buildings that have an expected life of close to 100 years." Epic's director of facilities, Derek Schnable adds, "that's the most sustainable thing you can do — build a building to last."

text: Kenny Macdonald · images: Diadem USA · design: scr madison · 09.04.2018 · #6057

PRODUCT

GUARDRAIL SAFETY ANCHOR



LEGEND

- 1b Structural deck
- 1c Roof crickets
- 2k Vapor layer
- 2g Thermal insulation
- 2c Waterproof membrane
- 9e Concrete slabs
- 10b Worker
- 10f Gardia-600
- 10g DiaLINK tie-off point

The optional anchor feature of Diadem®'s Guardrail system

■ Working, or just hanging around on rooftops, is hazardous due to the risk of a fall, which is why there are numerous safety regulations exist in the field of personal fall arrest equipment.

■ Rooftop garden installations typically deploy multiple safety apparatuses such as barricades, hand and guardrails to restrict pedestrian traffic from the garden portion of the rooftop, a safe distance from the building's edge. Anchor posts for the attachment of fall-prevention harnesses are installed outside of the pedestrian area for maintenance personnel working closer to the edge.

■ Diadem's patented anchor feature in most of the cases eliminates the need for using both the hand-rail and fall-protection on the same rooftop. It also reduces points to penetrate

the roof's waterproof membranes.

The weight of ballast on the structure securely affixes the guardrails upright, and provides safe anchor points.

■ The anchor device is fixed mounted on the structure and are periodically placed along vertical structure posts based on the calculations of the safety engineers. This enables persons who need to work outside the guard rail to connect lanyards at these points and thus safely work without tangling of said lanyards. These anchor points are designed with eyelets capable of accepting standard carabiner attachment to a personal fall arrest harness. The anchor device also includes a force absorber, which bends to assist dissipating the energy of a fall. The "Strain Indicator" feature of each device noticeably deforms after a certain amount of

force is applied to the System. This allows workers, property management and safety inspectors to determine if the system is ready to use safely, or there are signs of a fall accident, and the system needs further inspection before use.

