



Project Profile Residential/ Multi-Family

CityStone™ XL Pedestal Set Pavers



Keystone's CityStone XL is the Novus rooftop terrace pavement. | Source: Keystone Hardscapes

NOVUS AT SKY RIDGE APARTMENTS Rooftop Terrace Project Lone Tree, CO

An important element of a pool design and installation project is choosing the most appropriate pool deck material with respect to the goals and type of installation. This project profile describes a pedestal set rooftop terrace with a pool for a high-end apartment building in Lone Tree, Colorado, a suburb on the south side of Denver. Novus at Sky Ridge is a new, 240-unit luxury apartment complex. A large,



Project:	Novus at Sky Ridge Rooftop Terrace
Location:	Lone Tree, Colorado
Owner:	Regency Partners
Keystone Product:	CityStone™ XL 24x24 Paver
Producer:	Keystone Hardscapes
Total Paver Area:	14,000 sf
Design/ Engineering:	BSB Design
Installer:	Alpha Roofing

rooftop terrace featuring a pool is the main leisure and recreation amenity, which also features a hot tub, outdoor fire pit, cabanas and an eating area with barbecue grills.

Selecting the pavement

The choice of pavement for the pool deck and terrace would play a key role in the project, defining the aesthetic appeal of the space and also ensuring safety, comfort, and meeting the developer-owner's quality and brand standard for the property. The design goal for this space was to conjure a modern, upscale aesthetic and feel that would harmonize with the Scandinavian-style interiors of the apartments and lobby, and other public areas of the building. The outdoor area concept would use blends of textures and soft hues, sleek minimalism emphasizing clean, hard lines, and white and neutral colors.

For the pool deck and other terrace areas, concrete pavers were selected from among several different material categories for their design flexibility in colors, color blends and patterns, sizes, shapes, and surface textures. Additional considerations were cost-efficiency, durability, a reputation for low maintenance, and producing a safe, non-slip deck surface.

The CityStone™ 24 x 24-inch paver

Keystone Hardscapes' CityStone XL concrete paver was chosen as the 14,000 square feet of rooftop terrace pavement. The unit size is 24 inches by 24 inches by a 2.36-inch height (60 mm). The paver's smooth surfaces and classical chamfers define each stone to outline the visual structure and sense of texture. Iron oxide pigments are used in the manufacturing process to help prevent fading from extended UV exposure. The paver meets or exceeds applicable requirements of ASTM C936 – Standard Specification for Solid Concrete Interlocking Paving Units,



Paver installation was performed by Alpha Roofing of Denver, Colorado. Pavers covered the entire 14,000 sf rooftop area.

Source: Keystone Hardscapes



The CityStone XL paver measures 24 by 24 by 2.36 inches. The color on this project is a random blend of charcoal and slate that creates a cool, sophisticated floor motif. | Source: Bison Innovative Products

and ASTM C1782 – Standard Specification for Segmental Concrete Paving Slabs.

The paver color, Gunsmoke, is a random blend of charcoal and slate that creates a distinctive, sophisticated motif for this outdoor leisure area. An enhanced finish called 'Platinum' was used,

which intensifies surface colors and textures, and enhances color longevity.

Raising the floor with pedestals

Rather than install the pavers on grade, they were installed as a raised floor using a pedestal system. Roof pedestal systems have the



The Bison Versadjust adjustable pedestal line (left) creates level decks over sloped surfaces and can be installed over any structural surface, providing stability for a paver pavement. It offers a range of heights for different applications. Spacer tabs enhance deck drainage and uniform paver spacing.

Paver corners fit on top of pedestals and within the tab guides (right), elevating, supporting and levelling each individual paver unit and locking them into place.

Source: Bison Innovative Products (left); Keystone Hardscapes (right)

PAVER PROFILE - CityStone™ XL -

The CityStone series shares a generative architectural look where the joint pattern defines pavement scale. Joints and surfaces conform to US Access Board ADA surface requirements. The 24-in. x 24-in. units yield broad creative control with access to other modulating CityStone shapes, colors and textures to satisfy architectural design intent.

A popular choice for a modern aesthetic, the series is an excellent option for projects ranging from intimate patios to spacious roof decks and courtyards. The units can be installed on-grade, on pedestals, and on roof applications. Smooth surfaces and classical chamfers define each stone to create texture and visual structure with enduring appeal. The square shapes easily form stacked and runner bond patterns.



Unit size: 600mm x 600mm x 60mm
Pallet information: 2,240 lbs, 80 sf



Also known as a slab paver, CityStone XL is ideal for pool decks, roof decks, patios, and courtyards.

Source: Keystone Hardscapes

advantage of elevating, leveling, and uniformly spacing the pavers for proper water drainage and airflow, and are often used for rooftop applications. Pedestals also limit the potential for efflorescence, or the build-up of salt on the porous paver surface, since they don't require tile grout or sand in the joints.

A Bison Innovative Products pedestal system was used for the terrace project. It is also important to note that the CityStone XL paver is rated for use for either on-grade or pedestal system applications.

For those who call Novus at Sky Ridge home, the look and feel of their living and recreation spaces are crafted not only by the use of handsome décor, but also cost-effective, construction-savvy choices in building materials... from the ground floor all the way to the top.



While the pool (below) may be the main attraction, the terrace also features a hot tub, outdoor fire pit, cabanas, and an eating area with barbecue grills.

Source: Keystone Hardscapes



The rooftop terrace at Novus is an alluring summer haven. | Source: Keystone Hardscapes

