



NEXCLAD

SMALL FORMAT TERRA COTTA
WALL CLADDING

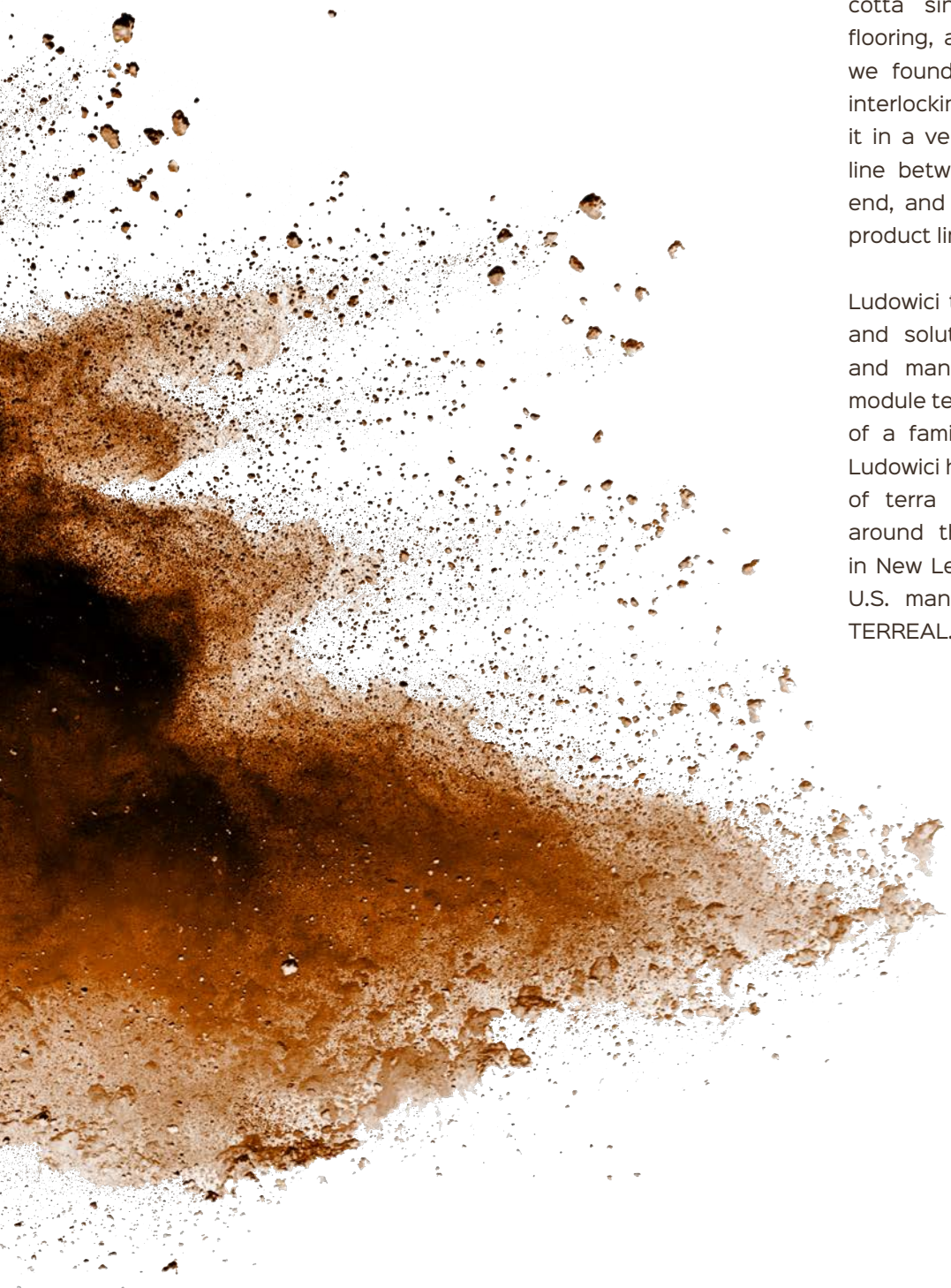


4757 Tile Plant Road
New Lexington, OH 43764
(800) 945.8453

www.ludowici.com

LRT-004-0123





Ludowici has been a leading manufacturer of architectural terra cotta since 1888, including roofing, flooring, and cladding. In recent years, we found a way to revolutionize our interlocking roof tile product by applying it in a vertical application. Blurring the line between where the roof line can end, and the wall begins, our NeXclad product line was born.

Ludowici takes an engineered systems and solutions approach to designing and manufacturing our line of small module terra cotta wall cladding. As part of a family of terra cotta companies, Ludowici has a history of over 400 years of terra cotta production experience around the world. Ludowici is based in New Lexington, Ohio and is the sole U.S. manufacturer's representative of TERREAL.

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INTRODUCING NEXCLAD

NeXclad is the next generation of economical, small-format terra cotta wall cladding products from Ludowici. Manufactured in Southeast Ohio from locally sourced raw materials, this small module terra cotta tile comes standard with a 75-year material and color warranty.

Delaware Area Career Center | NeXclad True
Architect: SHP Leading Design





APPLICATIONS

NeXclad can be installed quickly and easily with (2) mechanical fasteners inserted through factory provided holes in the top of each terra cotta tile. NeXclad tiles can be installed directly to a structural wall sheathing or over a rainscreen framing system. NeXclad small module terra cotta tiles are currently offered in (2) applications:

NeXclad Shingle: Available in a variety of exposures and surface textures

NeXclad True: One flush profile in two surface textures



PRODUCT BENEFITS

- ◆ Rainscreen application improves a structure's life expectancy by protecting primary wall with second skin
- ◆ Can be installed year-round, in all weather conditions
- ◆ Low maintenance costs and energy savings
- ◆ Lightweight and easy to install
- ◆ Great for new construction and renovations with interior or exterior functionality
- ◆ Sustainable material with an expected 100 year service life
- ◆ ASTM C67 tested and approved for use in areas with severe weathering
- ◆ Exceeds ASTM requirements for breaking strength, efflorescence, and water absorption. Suitable for use in coastal environments with the ability to withstand salt intrusion
- ◆ Superior wind resistance performance
- ◆ Standard tiles adapt to radiused wall and roof designs

Lutheran Church of Hope | NeXclad 16
Architect: BNIM Architects



MANUFACTURING

NeXclad tiles are made from some of the finest clay in the world. Our clay is harvested just 5 miles from NeXclad's manufacturing facility, which is produced in the historic Ludowici tile factory in Southeast Ohio. Southeast Ohio boasts some of the highest-quality clay deposits available, allowing us to provide premium terra cotta products through our proximity, and use, of these locally sourced raw materials.

QUALITY ASSURANCE

Available in (2) formats, a variety of surface textures, and boundless color possibilities, NeXclad is the go-to solution for exterior and interior design realizations. A variety of terra cotta corner tiles are available with exact field tile color matching for a harmonious building envelope.

The first of the two formats, our overlapping shingle, can be installed directly to wall sheathing or in a rainscreen framing application. Our second format, NeXclad True, is designed to be installed as a sleek, streamlined flush tile.



FEATURES

- ◆ LEED SS Credit* — Heat Island Reduction; 1-2 points for LEED approved colors that meet an initial SRI > 39 or a 3 year aged SRI > 32
- ◆ LEED MR Credit — Building Product Disclosure and Optimization; sourcing of raw materials
- ◆ LEED MR Credit — Material Ingredients; Cradle to Cradle certified for material health, material reutilization, renewable energy and carbon management, water stewardship and social fairness.

CERTIFICATIONS

- ◆ 75-year material warranty, including color
- ◆ ASTM C67 Rated
- ◆ Florida Building Code approval*
- ◆ Miami-Dade approval for wind uplift resistance*
- ◆ Class A fire rated

** For roofing applications*

ASTM TESTING

- ◆ ASTM C67-07A Breaking Load Test (passed)
- ◆ ASTM C67-07A Efflorescence Test (passed)
- ◆ ASTM C67-07A Freeze-Thaw Test (passed)
- ◆ ASTM C67-07A Water Absorption Test (passed)

TERRA COTTA ATTRIBUTES

- ◆ Warm, all-natural material provides superior aesthetics and unlimited design options
- ◆ Variety of colors, textures, and sizes
- ◆ Color permanent facade
- ◆ Sustainable material, to last 100 years
- ◆ Low maintenance—does not require painting, caulking or repointing

SURFACE TEXTURES & PROFILES

NeXclad tiles are available in a variety of surface textures to enhance your facade's aesthetic. Textures range from our gentile smooth Classic, to lightly sand surfaced Lanai, to the bark textured Americana. NeXclad tiles are available in shake and slate textures allowing for low maintenance facade alternatives that mimick the appearance of real wood shakes and natural slates.

SHINGLE APPLICATION



CLASSIC
A smooth surface and flat butt give the Classic interlocking tile a clean look. Available in 14" and 16" profiles.



LANAI (weathered)
Lanai surface has a square butt with a sandblasted weathering. Its clean, uniform shape is enhanced by the textured surface. Available in 14" and 16" profiles.



LEXINGTON SLATE
An interlocking tile with a natural quarried slate texture featuring all the beauty of natural slate with the enhanced durability and longevity of terra cotta. Available in a 7-1/2" vertical exposure.



LEXINGTON SLATE PREMIER
Lexington Slate Premier consists of three widths of Lexington Slate surface texture tiles made to offer a more authentic slate appearance.



LUDOSLATE
LudoSlate is a lightweight interlocking terra cotta tile featuring the chiseled edges and texture of natural slate. LudoSlate can be installed in straight rows or staggered.



LUDOSLATE PREMIER
LudoSlate Premier consists of three widths of LudoSlate surface texture tiles made to offer a more authentic appearance.

SHINGLE APPLICATION (continued)



AMERICANA
Featuring a pressed bark texture and gently rounded butt. Provides a refined yet formal-rustic look to complement a variety of architectural styles. Available in 14" and 16" profiles.



WILLIAMSBURG
Williamsburg interlocking tile has a scored sawn wood shake texture and a square butt giving it the same texture and character of wood shakes. Available in 14" and 16" profiles.



CENTURY SHAKE
A thick profile interlocking tile with rugged texture and uneven surface. This tile has pressed grooves with a lightly scratched hand-split texture and rugged butt to mirror the appearance of real wood shakes with 11.5" vertical exposure.



CENTURY SHAKE PREMIER
Century Shake Premier is our Century Shake surface texture offered in three tile widths—creating a random appearance for a more authentic shake look.



LUDOSHAKE
LudoShake is a lightweight interlocking terra cotta tile featuring the texture and varied thickness of a wood shake that can be installed in straight rows or staggered for a more rustic look.



LUDOSHAKE PREMIER
LudoShake Premier is our LudoShake surface texture offered in three tile widths—creating a random width appearance for a more authentic shake look.

FLUSH APPLICATION



NEXCLAD TRUE
One size designed to install as a flush panel. Comes standard with a smooth surface.



NEXCLAD TRUE WEATHERED
NeXclad True's weathered surface includes sandblasted weathering. Its clean, uniform shape is enhanced by the textured surface.



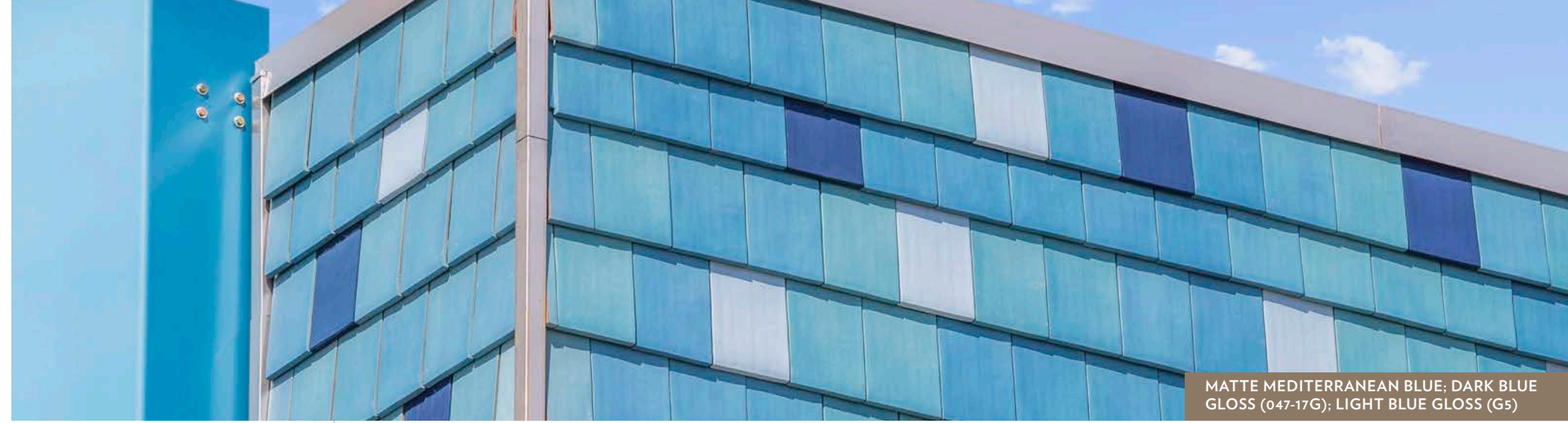
Liberty United Methodist Church | NeXclad 16
Architect: Dake Wells Architecture

NeXclad comes with an industry leading 75-year material warranty, which includes color performance, backed by a US based company in continuous operation since 1888.



PHYSICAL CHARACTERISTICS

PROFILE	WEIGHT PER SF (LBS)	NOMINAL SIZE (H x V x T)	NOMINAL EXPOSURE (H x V x T)	BASE TEXTURE
SHINGLE APPLICATION				
Americana 14"	8.00	9" x 14" x 7/8"	8-1/4" x 11" x 7/8"	Pressed Bark
Americana 16"	7.50	10-1/4" x 16" x 7/8"	10-1/8" x 13" x 7/8"	Pressed Bark
Century Shake	6.63	10-1/2" x 14-1/2" x 1"	10" x 11-1/2" x 1"	Hand Split Shake
Century Shake Premier	6.79	5-1/2" x 14-1/2" x 1" 7-3/16" x 14-1/2" x 1" 10-1/2" x 14-1/2" x 1"	5" x 11-1/2" x 1" 6-11/16" x 11-1/2" x 1" 10" x 11-1/2" x 1"	Hand Split Shake
Classic 14"	8.00	9" x 14" x 7/8"	8-1/4" x 11" x 7/8"	Smooth
Classic 16"	7.50	10-3/4" x 16" x 7/8"	10-1/8" x 13" x 7/8"	Smooth
Lanai 14"	8.00	9" x 14" x 7/8"	8-1/4" x 11" x 7/8"	Weathered
Lanai 16"	7.50	10-3/4" x 16" x 7/8"	10-1/8" x 13" x 7/8"	Weathered
Lexington Slate	8.23	14-3/4" x 10-1/2" x 1"	14" x 7-1/2" x 1"	Quarried Slate
Lexington Slate Premier	7.83	7-5/8" x 10-1/2" x 1" 11-3/8" x 10-1/2" x 1" 14-3/4" x 10-1/2" x 1"	7" x 7-1/2" x 1" 10-1/2" x 7-1/2" x 1" 14" x 7-1/2" x 1"	Quarried Slate
LudoShake	5.98	10-3/4" x 16" x 3/4"	10-1/8" x 13" x 3/4"	Shake
LudoShake Premier	6.76	5-3/4" x 16" x 3/4" 7-3/4" x 16" x 3/4" 10-3/4" x 16" x 3/4"	5" x 13" x 3/4" 7" x 13" x 3/4" 10-1/8" x 13" x 3/4"	Shake
LudoSlate	5.98	10-3/4" x 16" x 3/4"	10-1/8" x 13" x 3/4"	Natural Slate
LudoSlate Premier	6.76	5-3/4" x 16" x 3/4" 7-3/4" x 16" x 3/4" 10-3/4" x 16" x 3/4"	5" x 13" x 3/4" 7" x 13" x 3/4" 10-1/8" x 13" x 3/4"	Natural Slate
Williamsburg 14"	8.00	9" x 14" x 7/8"	8-1/4" x 11" x 7/8"	Sawn Wood Shake
Williamsburg 16"	7.50	10-3/4" x 16" x 7/8"	10-1/8" x 13" x 7/8"	Sawn Wood Shake
FLUSH APPLICATION				
NeXclad True	8.15	11-3/4" x 7-7/8"	11-7/8" x 8"	Smooth or Weathered



MATTE MEDITERRANEAN BLUE; DARK BLUE GLOSS (047-17G); LIGHT BLUE GLOSS (G5)

THE ART & SCIENCE OF NEXCLAD COLOR

Terra cotta by its very nature is warm, earthy and inviting. Enhancing the natural qualities of terra cotta by applying a glaze mixture prior to firing can create spectacular colors unable to be replicated on other building materials.






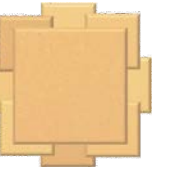





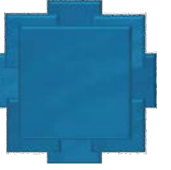









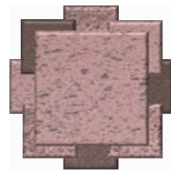





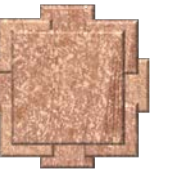
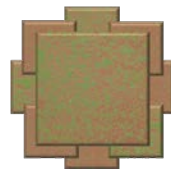






Creating the color of a terra cotta tile is part science, and part art. A natural range of tones is a feature within any given color. The range of tones that arise from the manufacturing process is a normal and very desirable feature of natural clay tile—imparting richness, character and a dimensional appearance to the installed product

The high temperature firing process used at our manufacturing facility produces vibrant colors that do not fade, spall, effloresce, or significantly change over time. Our color glazes are kiln-fired at extreme temperatures during production, fusing the color into the tile and ensuring that the original tones and hues are retained for generations. This is why we include color in our industry leading 75-year material warranty.

We pride ourselves on our long history of color mastery and being recognized as an industry expert in glazed terra cotta tile. With over 50 designer color blends and the ability to custom-match nearly any hue, the color possibilities are endless.

STANDARD COLOR BLENDS

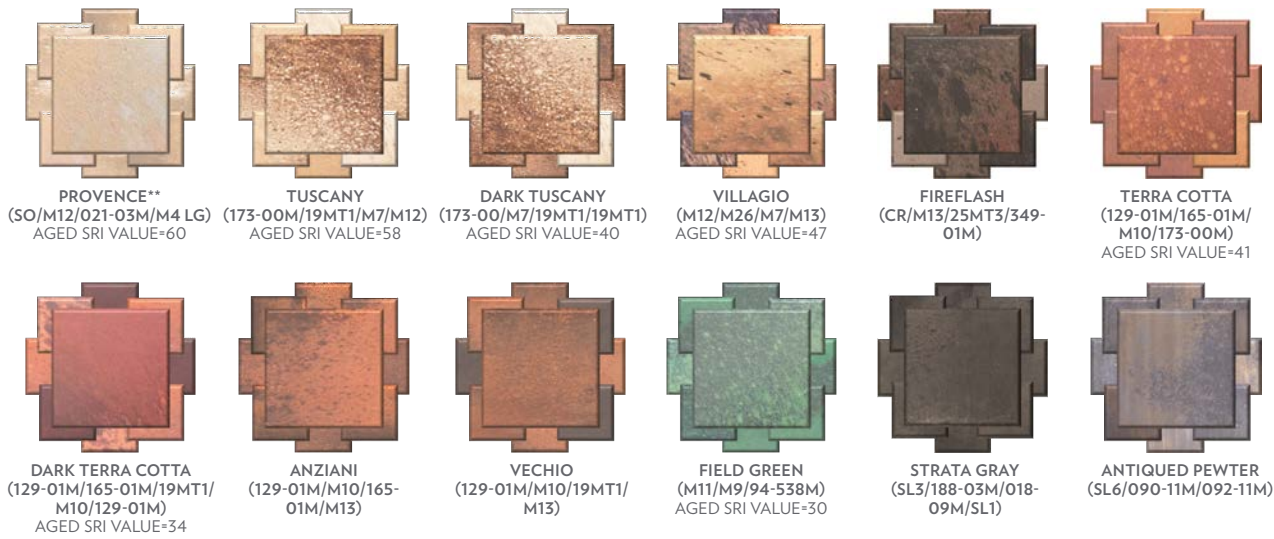
 CLAY RED (CR)	 SUNSET RED** (S4) AGED SRI VALUE=32
 EMPIRE GREEN (M14) AGED SRI VALUE=47	 BRIGHT GREEN (M9) AGED SRI VALUE=45
 BRIAR BROWN (M8) AGED SRI VALUE=13	 AGED OAK (M5) AGED SRI VALUE=11
 ASH GRAY (M4) AGED SRI VALUE=27	 MATTE WHITE (M17) AGED SRI VALUE=90
 AGED CEDAR (CR/M9 SPOT)	 FOREST GREEN (M11/M9 SPOT) AGED SRI VALUE=28
 MOTTLED GREEN PURPLE (SL2/SL4 SPOT)	

 SLATE RED (SL5) AGED SRI VALUE=28	 BURGUNDY (M10) AGED SRI VALUE=26	 SUMMER ROSE (M20) AGED SRI VALUE=36	 SANTIAGO ROSE (M26) AGED SRI VALUE=49	 HISTORIC RED (129-01M) AGED SRI VALUE=51	 DESERT SAND (M12) AGED SRI VALUE=51	 BARCELONA BUFF (M7) AGED SRI VALUE=64
 VINTAGE GREEN (M21) AGED SRI VALUE=35	 BROOKVILLE GREEN* (G1) AGED SRI VALUE=26	 DARK GREEN (M11) AGED SRI VALUE=10	 MEDITERRANEAN BLUE* (G3/G5)	 ROYAL PERSIAN* (286-01) AGED SRI VALUE=15	 HERITAGE BLUE (M16) AGED SRI VALUE=10	 PLUMSTONE (SL4) AGED SRI VALUE=8
 BEACH BROWN** (SO/M8) AGED SRI VALUE=23	 EBONY (M13) AGED SRI VALUE=6	 BRUNSWICK BLACK (SL1) AGED SRI VALUE=6	 MIDNIGHT BLACK* (G6) AGED SRI VALUE=0	 LAVA BLACK** (S1/M13) AGED SRI VALUE=12	 SLATE GRAY (SL3) AGED SRI VALUE=23	 MONTPELIER GREEN (SL2) AGED SRI VALUE=33
 ADOBE FLECK (CR/M13 SPOT)	 PROCESS FLASH (CR/M13 PF)	 SUNSET RED WITH EBONY MIST** (S4/M13 MIST)	 EBONY MIST (CR/M13 MIST)	 SIENNA (25MT3/M8 SPOT) AGED SRI VALUE=24	 WHITE CEDAR (25MT3/M12 SPOT)	 GOLDEN RED CEDAR (CR/094-11M SPOT)
 AGED COPPER (CR/M9 SPOT)	 EARTH GRAY (M4/M13 SPOT)	 ANTIQUED MONTPELIER GREEN (M12/SL2 M-H MIST) AGED SRI VALUE=43	 WESTERN CEDAR (M4/M8 SPOT)	 VERMONT GRAY BLACK (SL3/SL1 MIST)	 ANTIQUED BRUNSWICK BLACK (M12/SL1 M-H MIST) AGED SRI VALUE=30	 ANTIQUED SLATE GRAY (M12/SL3 MIST M-H) AGED SRI VALUE=43

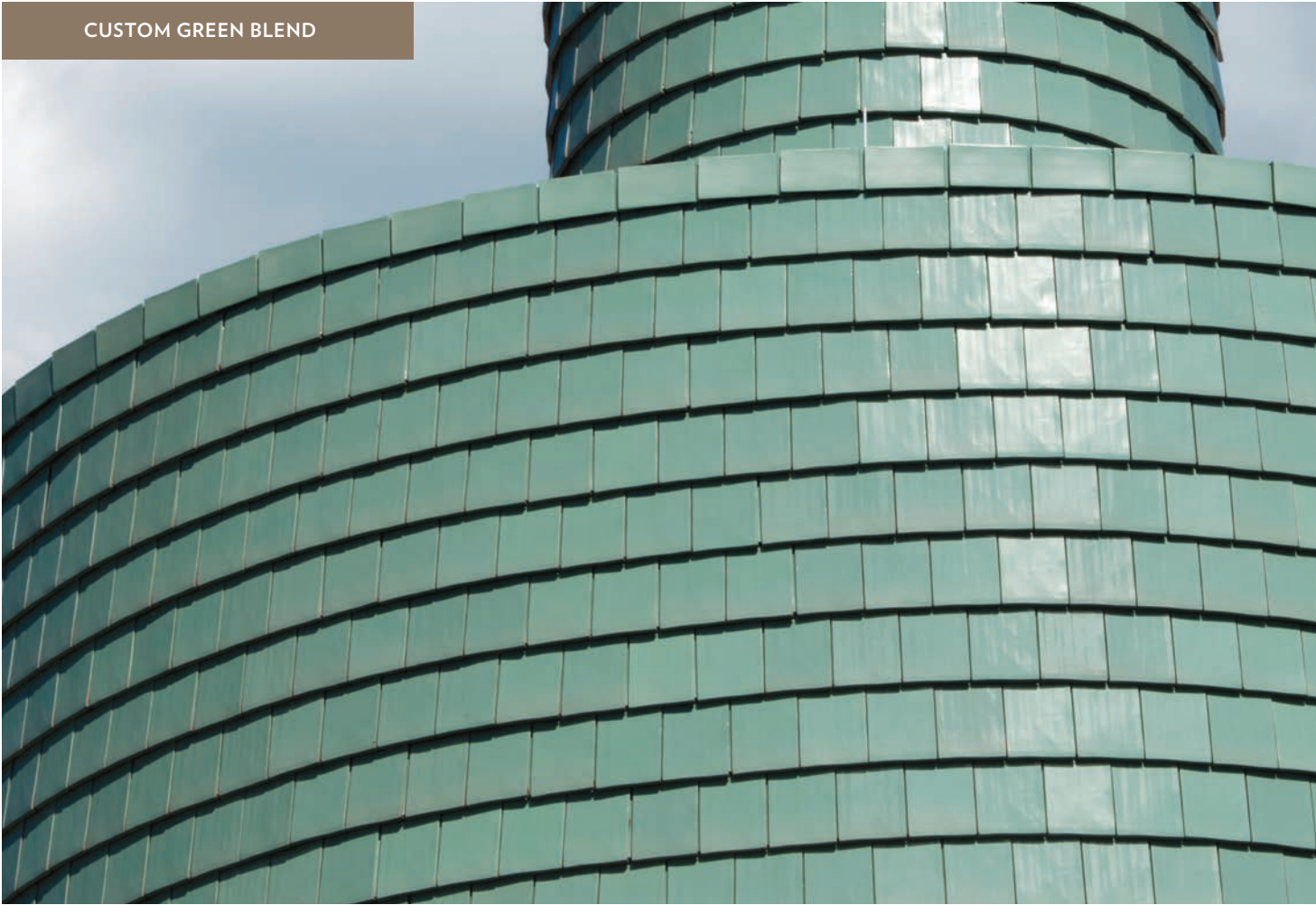
*Gloss
**Weathered

IMPRESSIONIST SERIES

The Impressionist Series utilizes two to three complementary shades applied randomly over a base color to create a unique patina for a designer color palette. Standard blends can be selected, or custom blends can be created using varying percentages of Impressionist Series colors.



CUSTOM GREEN BLEND



CUSTOM COLOR DEVELOPMENT

Our expert ceramic engineers have developed an impressive array of standard design colors over the years, and even more impressive, hundreds of custom colors—all to meet the needs of design professionals around the world. They work hand in hand with architects, designers, and building owners to not only create beautiful custom colors, but also blends and designs by mixing hues to create a subtle, or dramatic, one-of-a-kind statement.

Mixing a custom glaze color is unlike mixing a paint color—there are different techniques and skill sets that must be applied. Our ceramic engineers build off of a basic formula, then mix, adjust, and fire multiple trials to test each formulation's outcome. Those fired colors (glazes) are analyzed, adjusted, and mixed time and time again until the desired color is developed.

In addition to our standard texture offerings, our ceramic engineers can work with you to create a custom surface texture suitable for your tile. When factoring in texture, be sure to note the surface of your tile can affect the final color appearance. Whether you are trying to match a historic tile, want to combine a number of standard textures or create your own surface texture, our craftsmen will work with you to make your design vision a reality.

BLEND OF DARK TERRA COTTA, CUSTOM TERRA COTTA (129-01M/165-01M/173-00M/173-00M), AND TERRA COTTA IMPRESSIONIST COLORS

CUSTOM TEXTURES

Our skilled craftsmen can recreate a number of textures that authentically replicate the surface of age-old terra cotta tiles. Custom textures can be applied to match historic applications or to meet your specific design aesthetic. Surface textures can create unique effects with colors by varying light reflectances from the tile and reduce glare. Many tile textures are applied by hand which allows each clay tile to have a unique, handmade look. Textures can be combined to create a unique appearance or we can work with you to create a new custom surface texture. *Note: Not all textures are available on each tile profile.*



3-Directional Scoring



Battered Butts



Brushed and Battered Butts



Fine Machine Scoring



Medium Machine Scoring



Hand Roughed



Hand Slushed



Weathered



PROJECT LOOKBOOK

219 N. Linn | NeXclad True
Color(s): Antiqued Pewter
Architect: Neumann Monson Architects
Iowa City, IA



PRINCETON UNIVERSITY

PRINCETON, NEW JERSEY

In 2005, our first NeXclad project began when Princeton University set out to develop a 10-year plan to revitalize student housing on their campus. Completed in 2015, Princeton University's newest graduate student community, Lakeside Apartments and Townhomes, provides housing for over 715 graduate students and their families in a collection of townhomes and mid-rise apartments on 14 acres located on the main campus.

The decision to creatively use traditional roof tile by Ludowici, our parent company who has been in the architectural terra cotta business since 1888, as a wall cladding material resulted in the birth of our small-format NeXclad product line, first used in the LudoSlate surface texture for both roof and wall components on this project.

One of the Lakeside project's main goals was to improve the condition and sustainability of their buildings while limiting the impact on the surrounding woodlands—a goal in part achieved by choosing our terra cotta wall cladding.

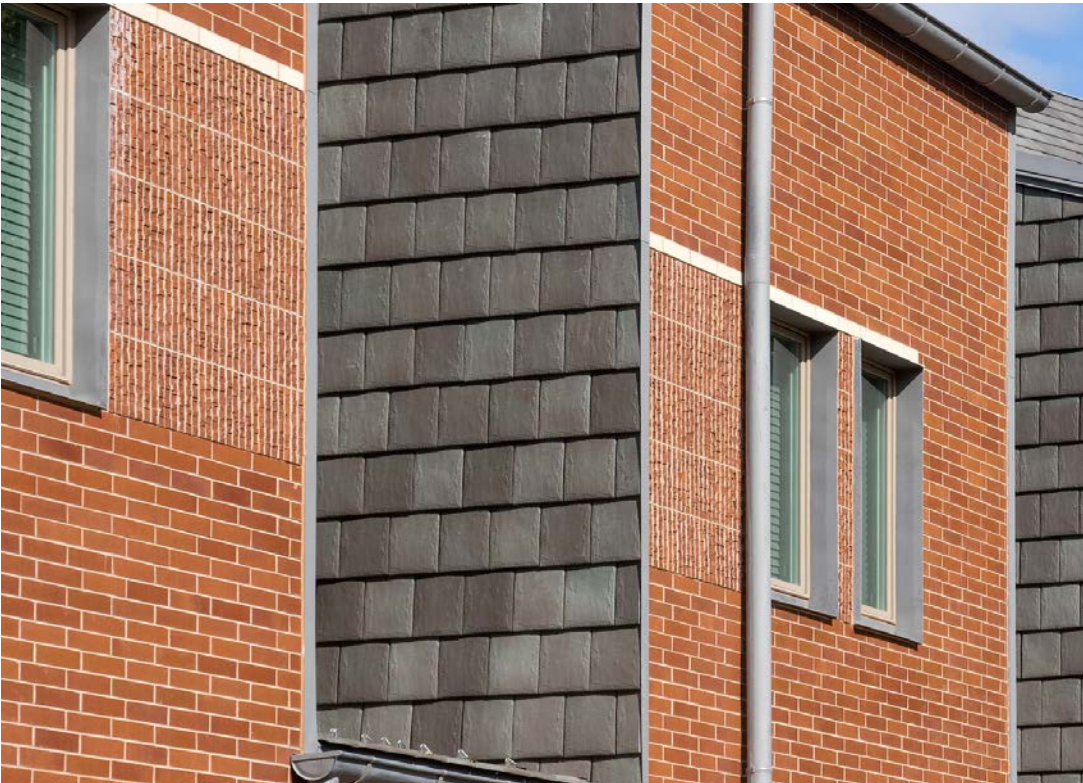
The Lakeside community is highlighted by an extensive student common area featuring a multi-purpose event space, staff offices, community living room, full kitchen, outdoor deck and barbecue, computer facilities, exercise room, and wrapped 550 car parking structure. Winding through the complex are pathways and vistas carefully located to connect Princeton's campus to adjacent Lake Carnegie.

This large-scale project on such a prestigious campus faced a number of challenges throughout the design and construction phases. The design team conducted thorough testing of two existing 1960's era concrete structures on the site and found that building new structures, with better orientation and an improved thermal envelope, would reduce carbon greenhouse gas emissions by 42% over a 10-year period, all while adding an additional 300 beds.

Once the direction was set to replace the existing structures, the design team was tasked with creating a complex that would look and feel like a community, all while maintaining the richness and scale of the existing university buildings. As part of Princeton's sustainability efforts, the complex would also need to blend with the surrounding woodlands and meet LEED Silver Certification.

Awards: LEED Silver Certification; USGBC NJ Residential Project of the Year

Princeton University | LudoSlate NeXclad
Color(s): Custom Impressionist SL2/SL3/018-09M
SM with Custom 130-11M SM accent tiles
Architect: Studio Ma

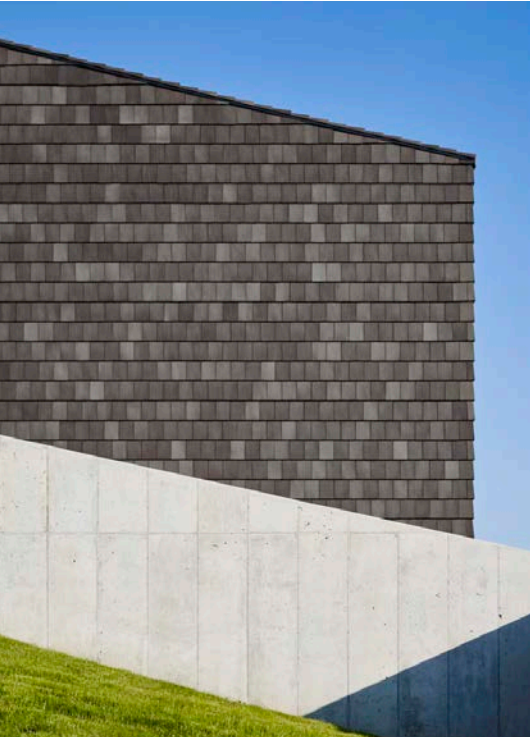
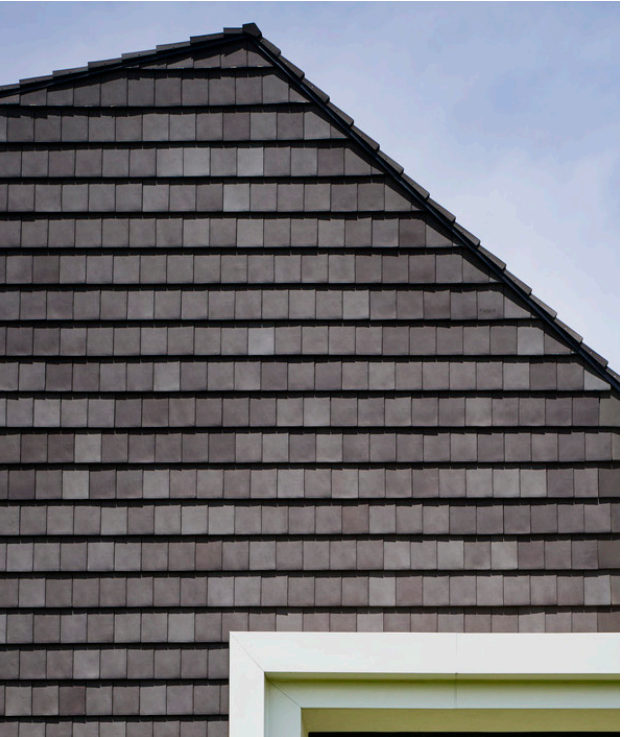




Liberty United Methodist Church | NeXclad 16
Color(s): Matte White and Matte White with Ash Gray Mist
Architect: Dake Wells Architecture
Liberty, MO

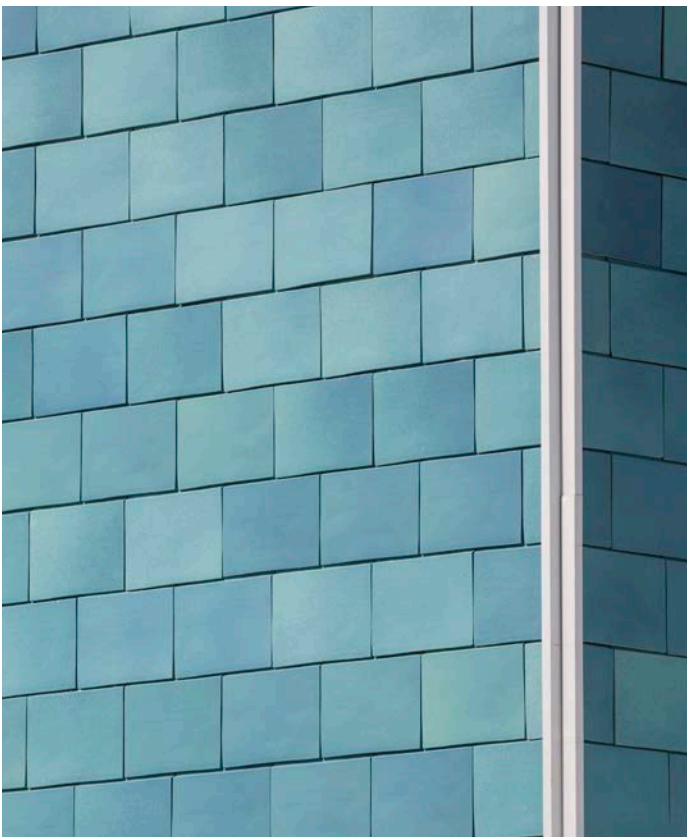


Lutheran Church of Hope | NeXclad 16
Color: Vermont Gray Black
Architect: BNIM
Grimes, IA



Tyler Arboretum | NeXclad 14
Color: Historic Red with Lanai Weathered Surface Texture
Architect: DIGSAU
Media, PA

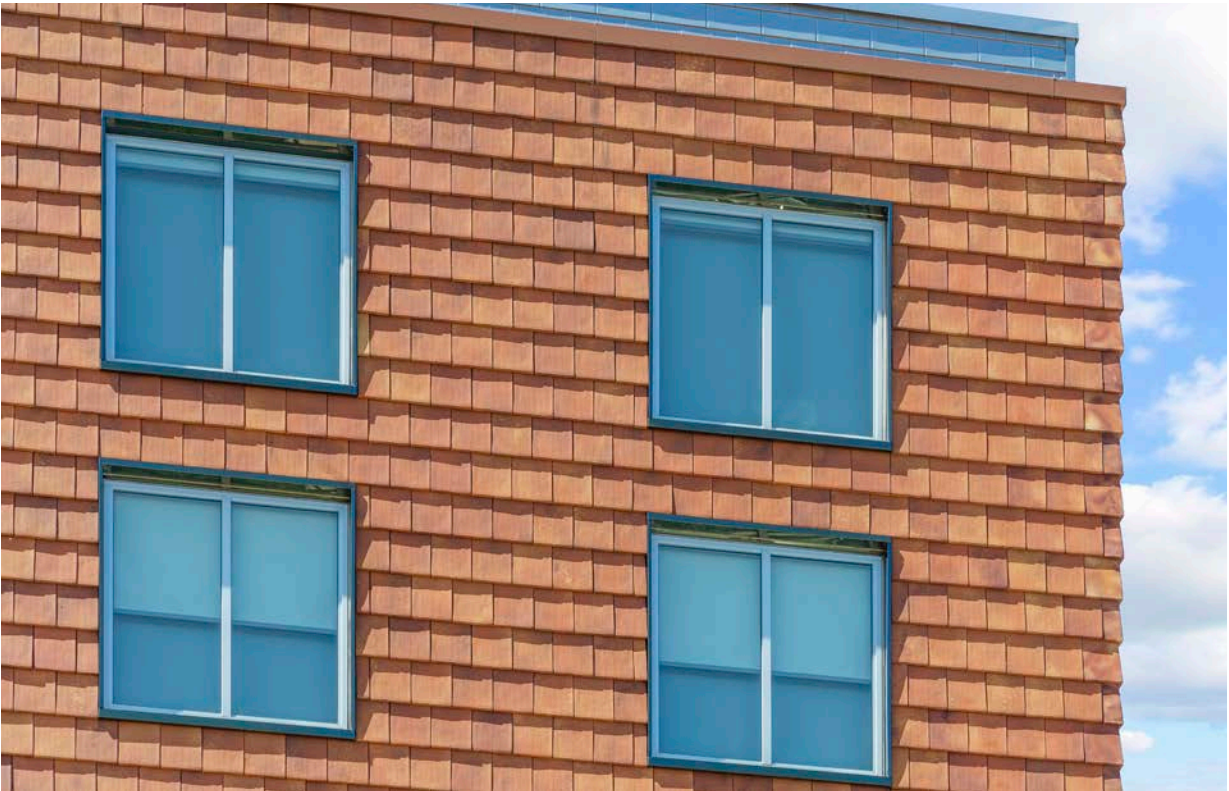


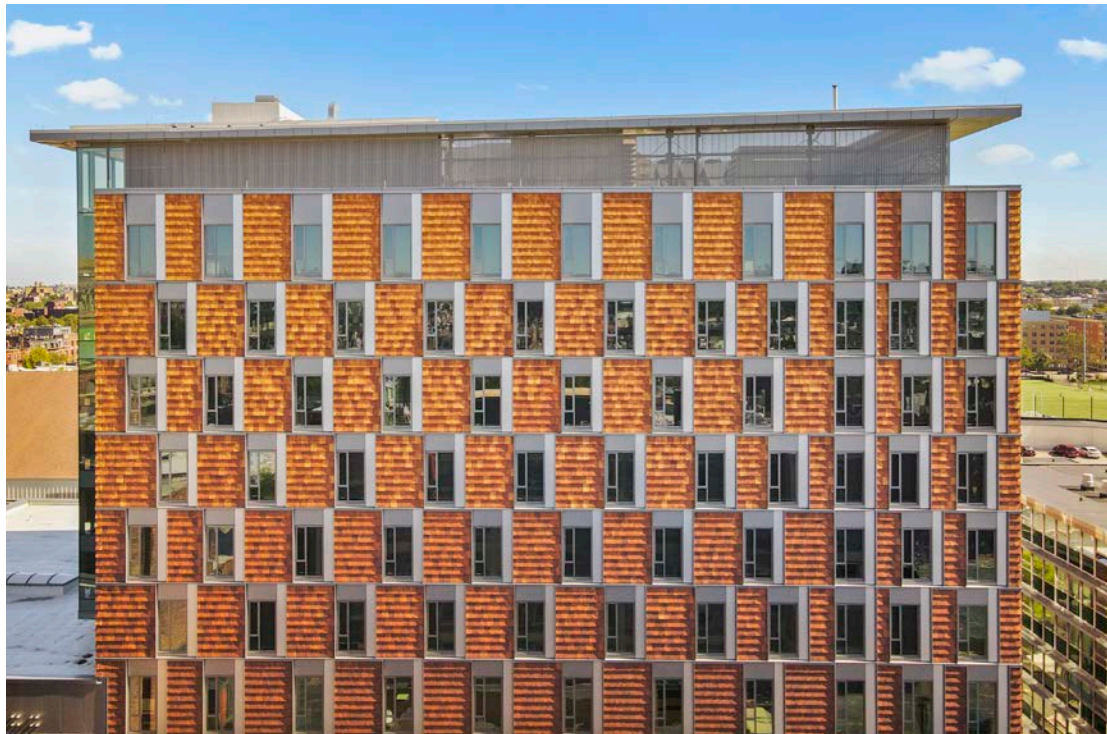




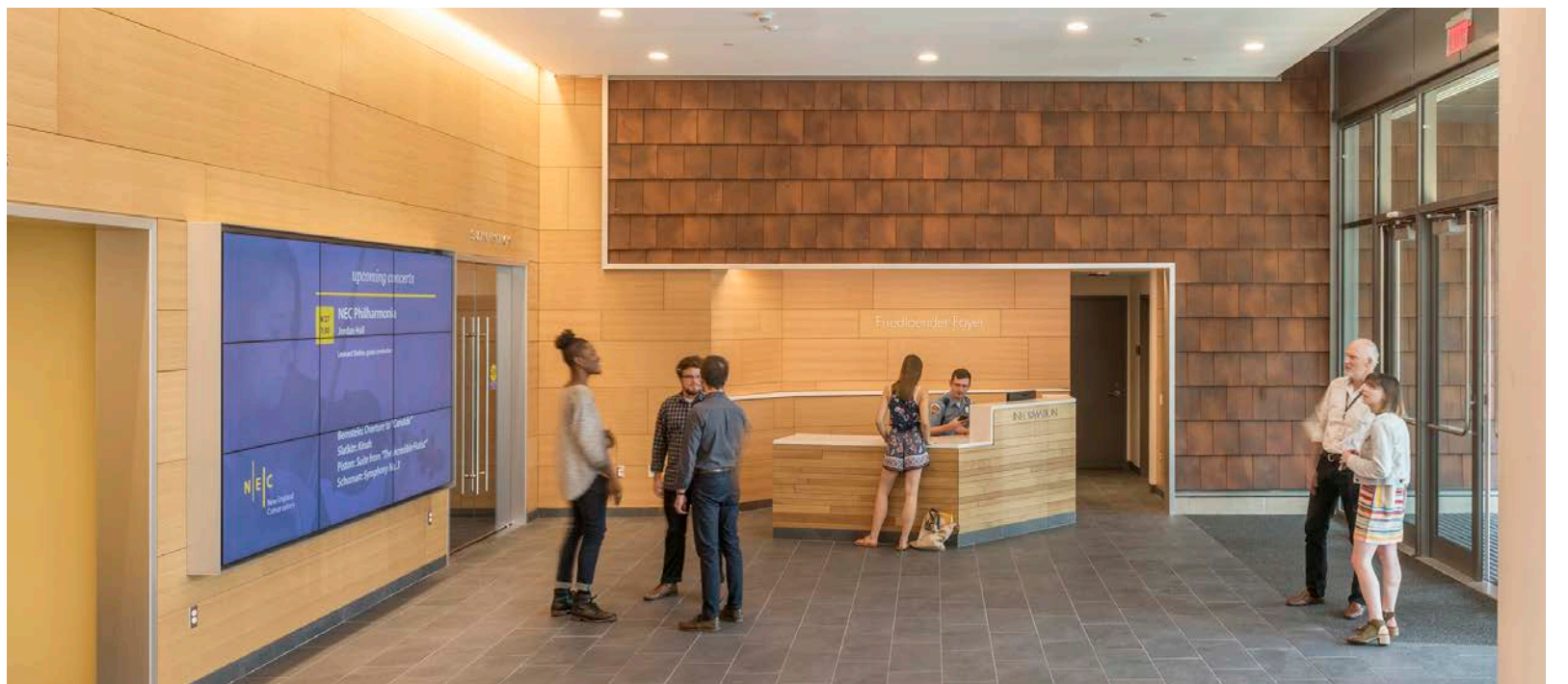
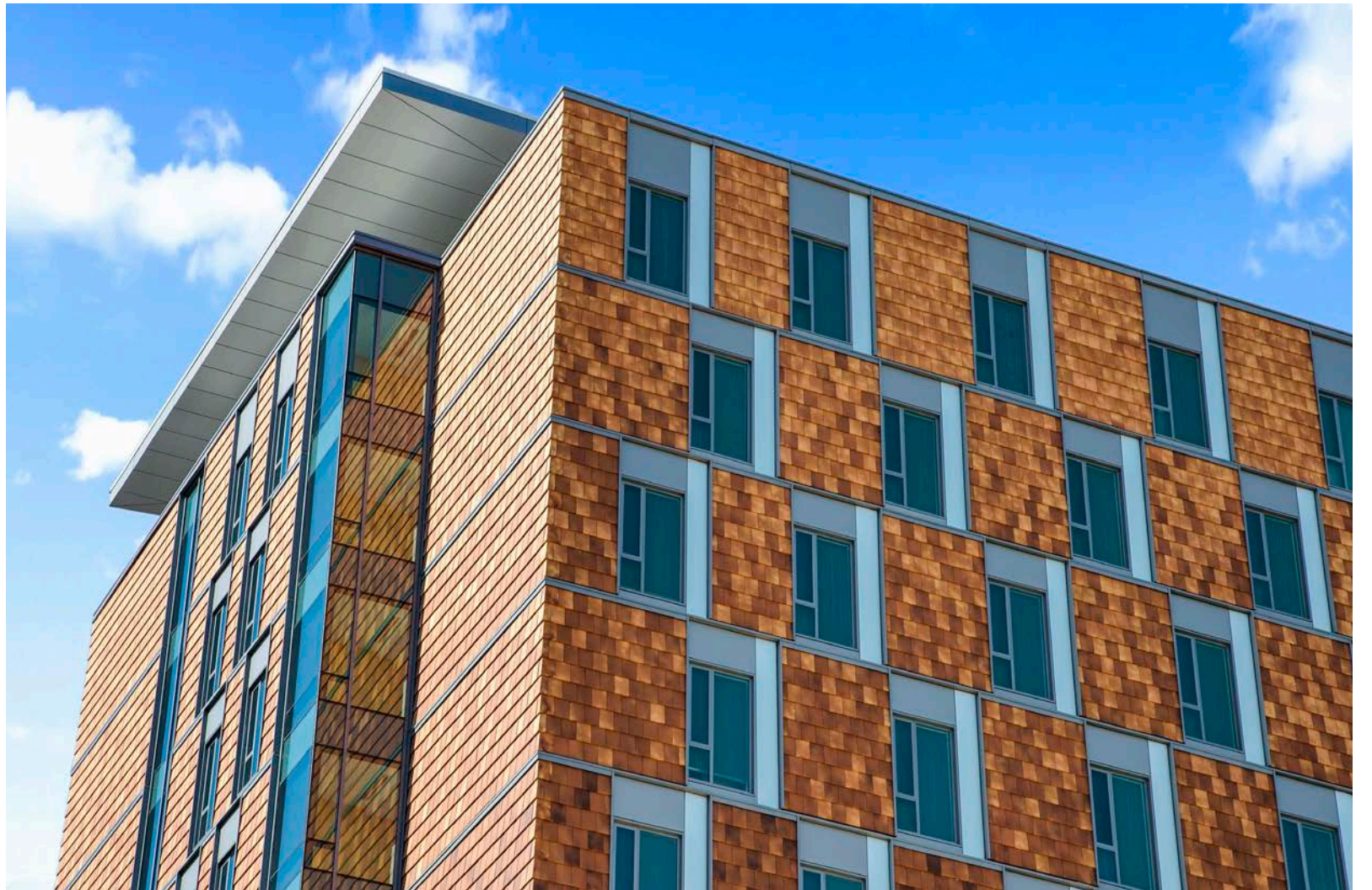
Austin Cooling Plant | NeXclad 14
 Color(s): Matte Mediterranean Blue;
 Dark Blue Gloss (047-17G);
 Light Blue Gloss (G5)
 Architect: Cotera + Reed Architects
 Austin, TX

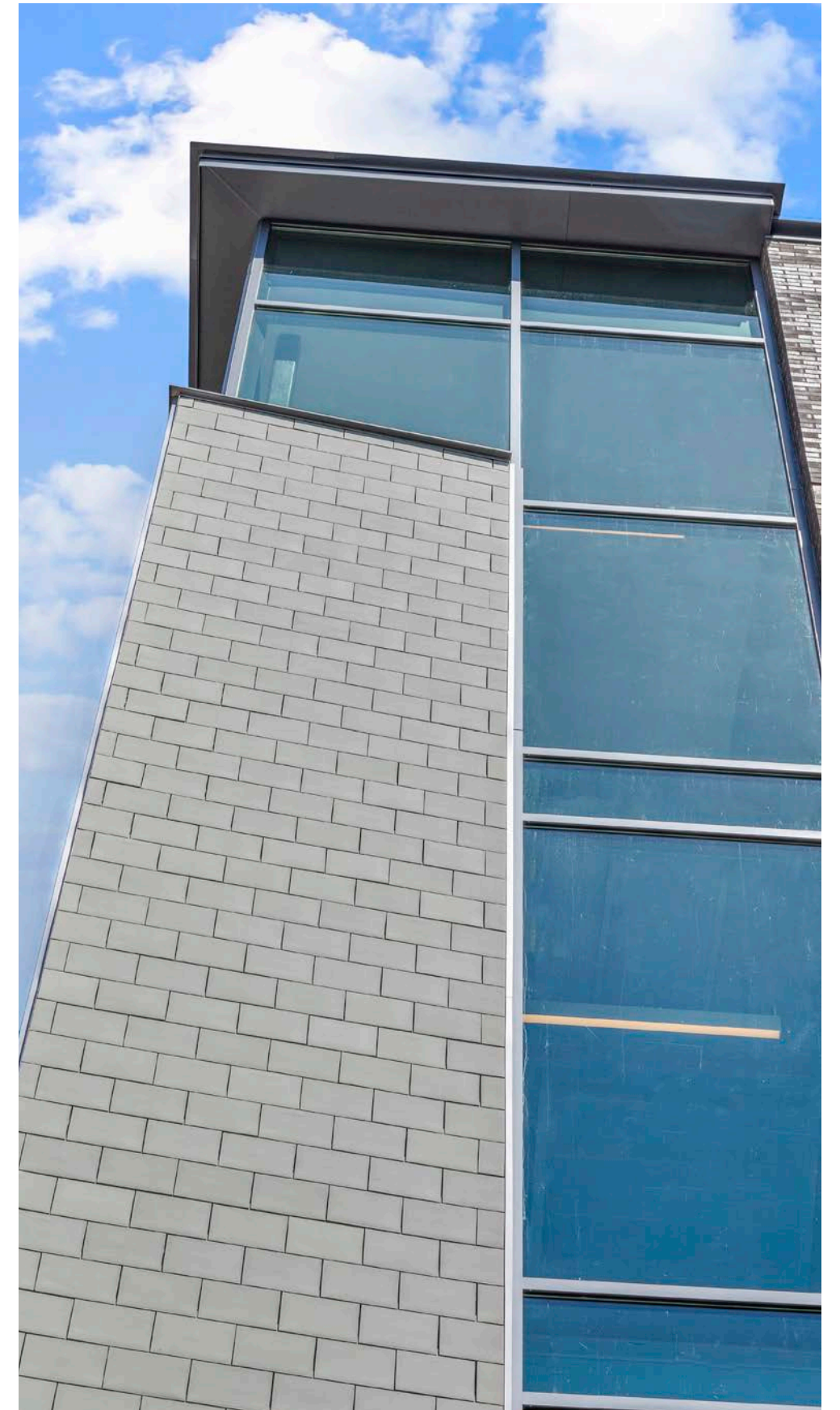
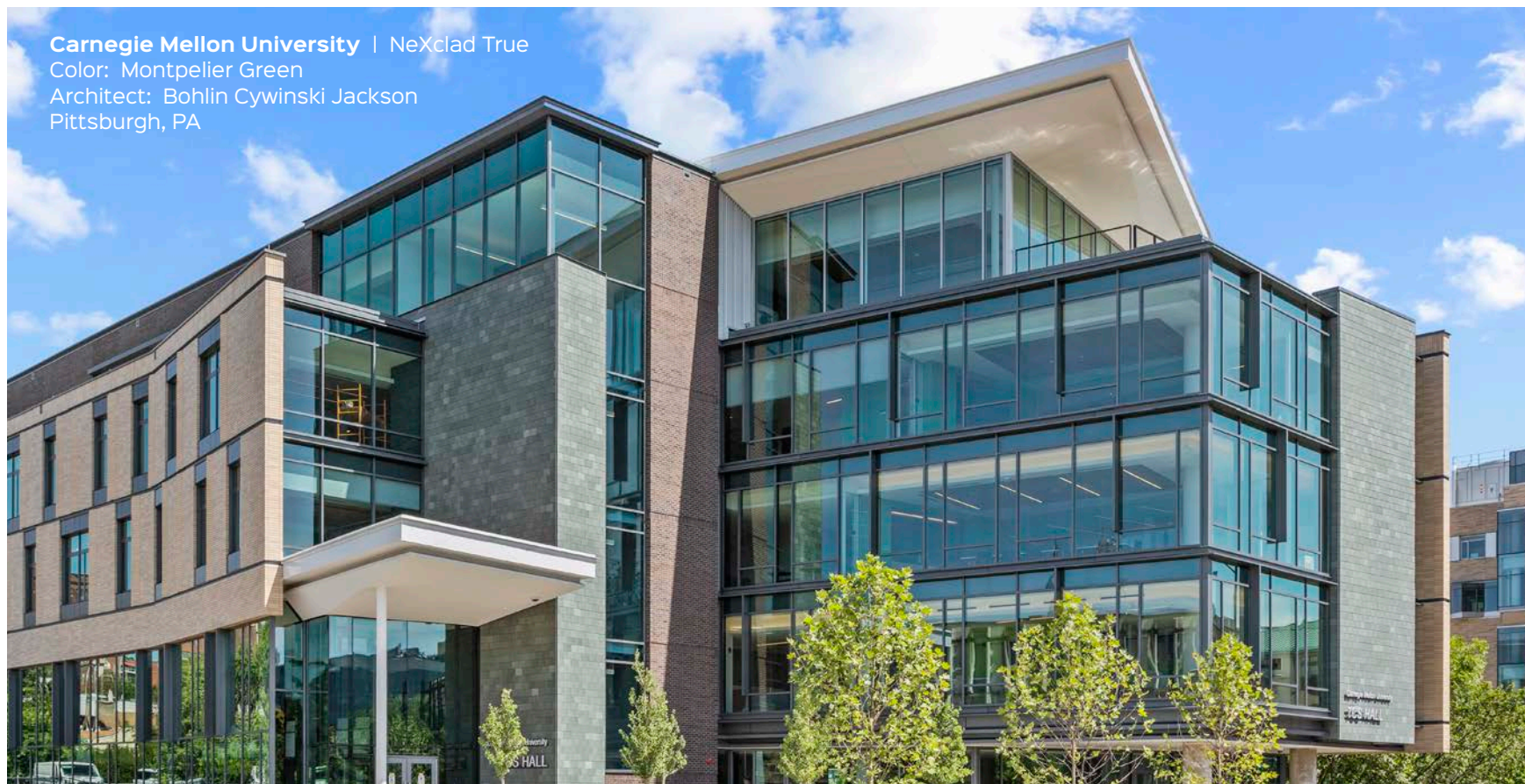
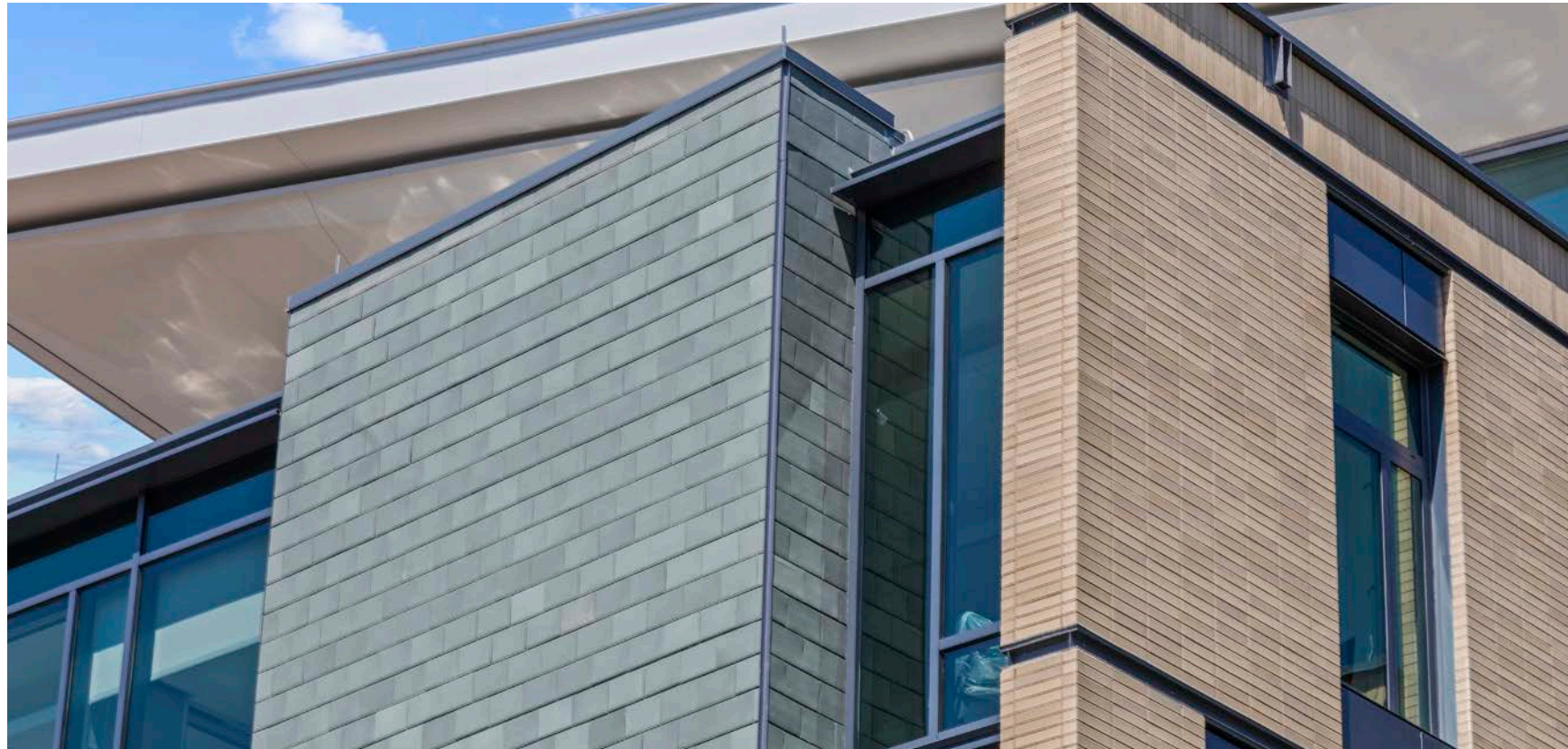
Hyatt Place Hotel | NeXclad 16
Color: Terra Cotta Impressionist
Architect: Legat Architects
Westlake, OH





New England Conservatory of Music | NeXclad 16
 Color(s): Blend of Dark Terra Cotta, Custom Terra Cotta (129-01M/165-01M/173-00M/173-00M), and Terra Cotta Impressionist Colors
 Architect(s): Ann Beha Architects; Gensler
 Boston, MA

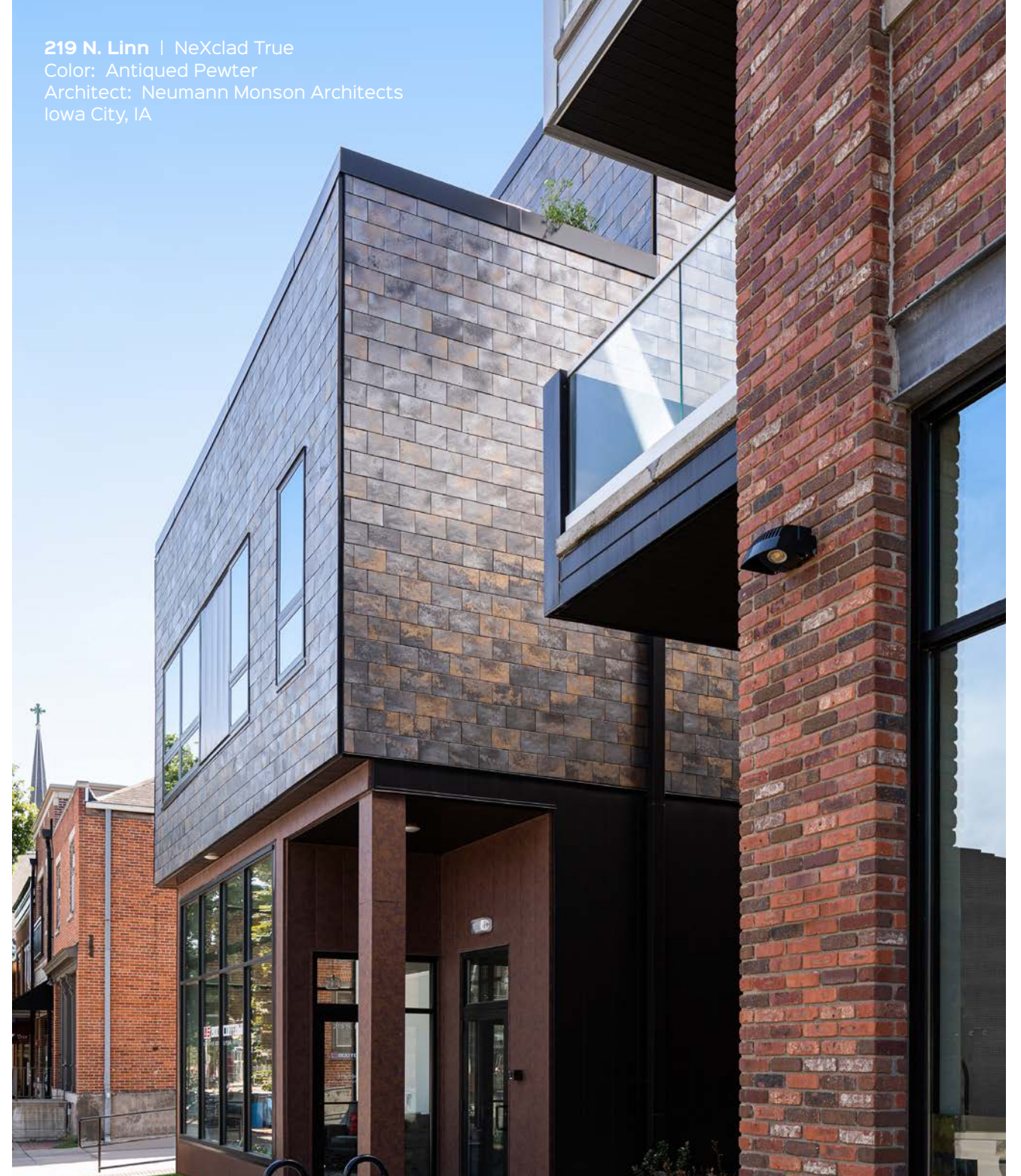




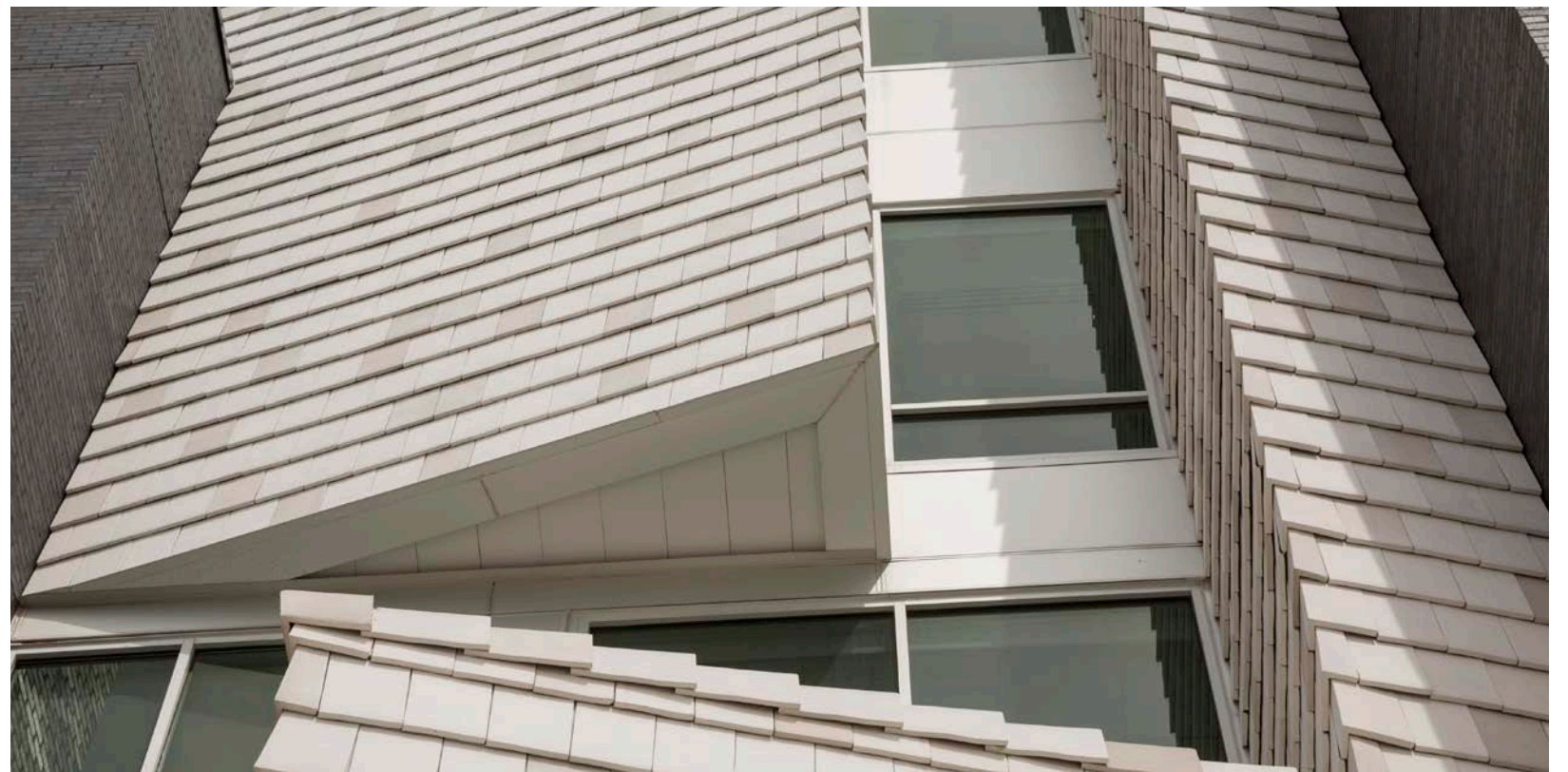
Augusta Place | NeXclad True
Color(s): Slate Gray & Antiqued Slate Gray
Architect: Neumann Monson Architects
Iowa City, IA



219 N. Linn | NeXclad True
Color: Antiqued Pewter
Architect: Neumann Monson Architects
Iowa City, IA



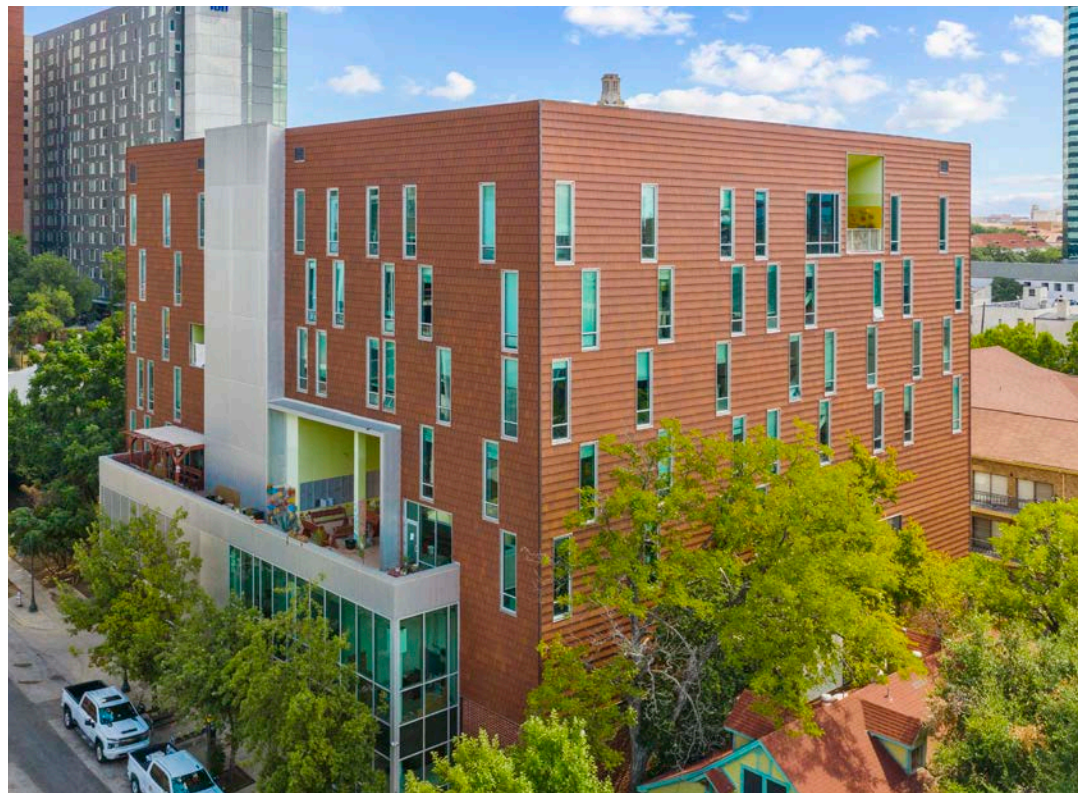
White Castle Headquarters | NeXclad 16
Color: Matte White and Matte White with Ash Grey Mist
Architect: Archall Architectural Alliance
Columbus, OH





St. Coletta of Greater Washington | NeXclad 14
 Color(s): Custom Color Blend
 Architect: Michael Graves
 Washington, D.C.





University of Texas Austin | NeXclad 16
 Color: Clay Red
 Architect: Cotera+Reed Architects
 Austin, TX



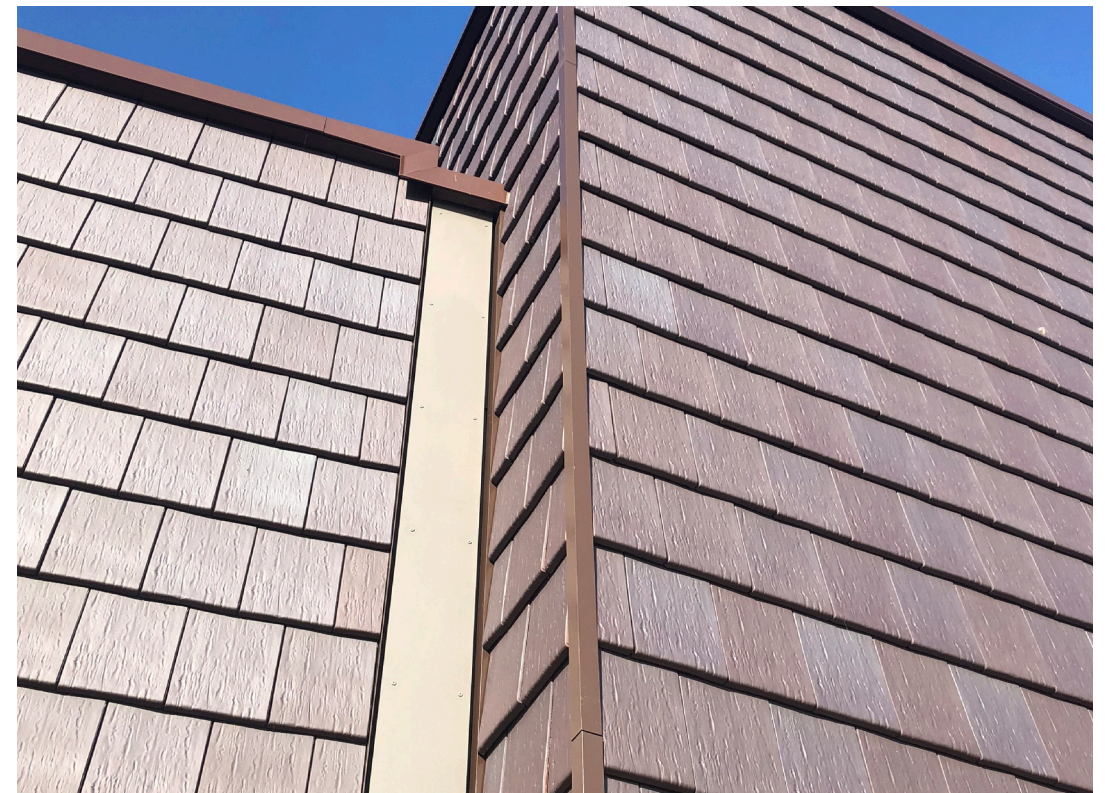
Emory University | NeXclad 16
 Color: Summer Rose
 Architect: ZGF Architects
 Atlanta, GA



Educare Winnebago | NeXclad 16
 Color: Ebony Mist
 Architect: RDG Planning & Design
 Winnebago, NE

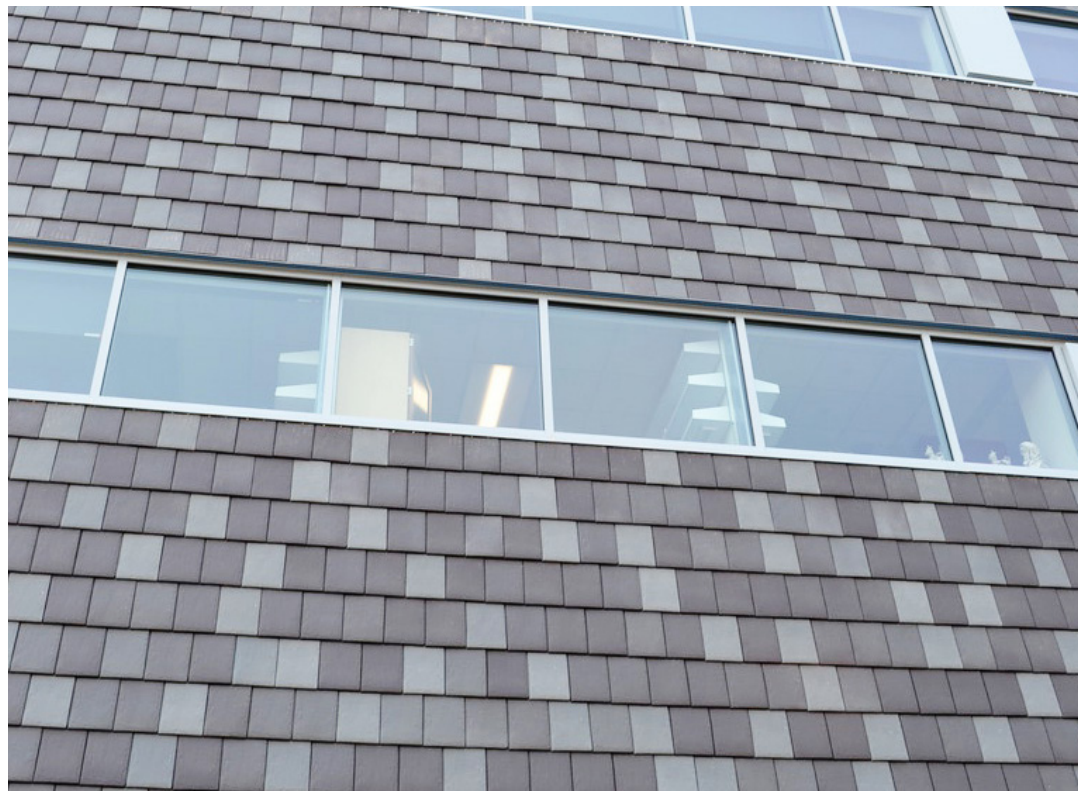


Buffalo State University | NeXclad 16
 Color: Plumstone in Americana surface texture
 Architect: Holt Architects, P.C.
 Buffalo, NY

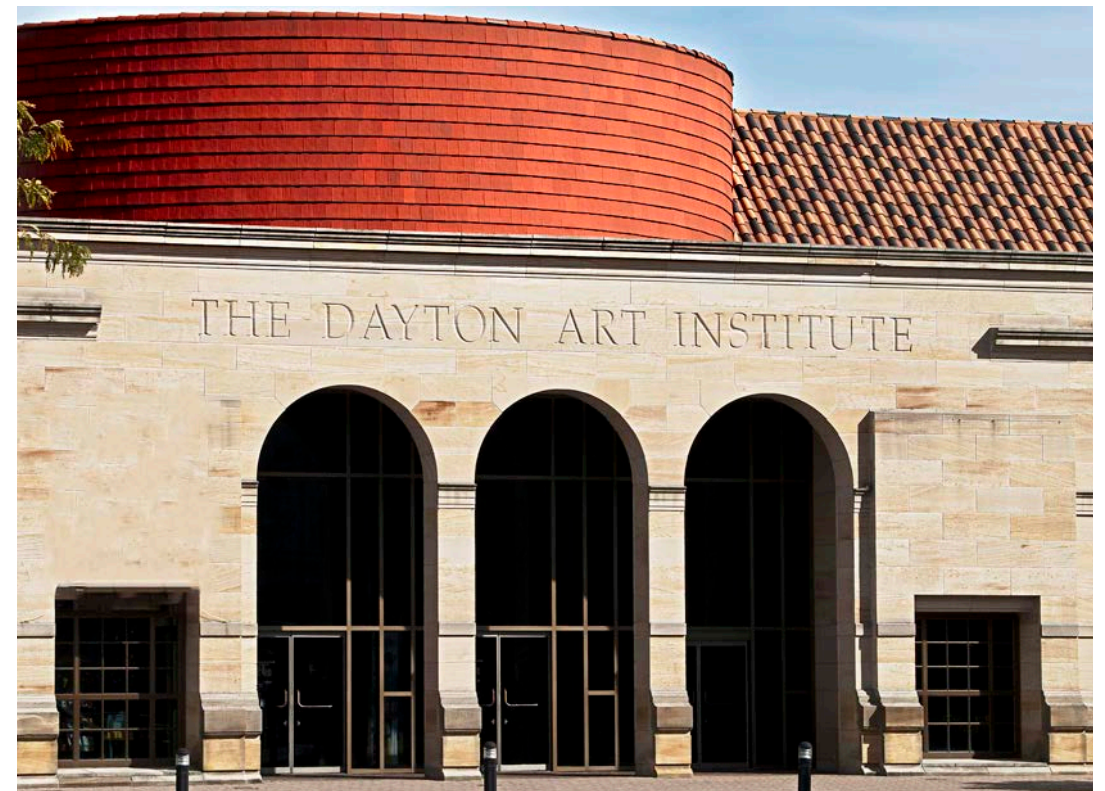




Coppin State University | NeXclad 16
 Color: Vermont Gray Black and Slate Gray in LudoSlate surface texture
 Architect: CannonDesign
 Baltimore, MD



Dayton Art Institute | NeXclad 14
 Color: Clay Red
 Dayton, OH





Federal Reserve Bank | NeXclad 16
Color: Custom High Gloss Green
Houston, TX



Private Residence | NeXclad 16
Color: Vermont Gray Black
Minneapolis, MN



St. Francis Medical Center | NeXclad 16
Color: Montpelier Green
Monroe, LA



Private Residence | NeXclad 16
Color: Matte White and Matte White w/ Ash Gray Mist
La Jolla, CA

NEXCLAD SHINGLE

White Castle Headquarters | NeXclad 16
Architect: Archall Architectural Alliance



AMERICANA

CENTURY SHAKE

CLASSIC



LANAI

LEXINGTON SLATE

LUDOSHAKE



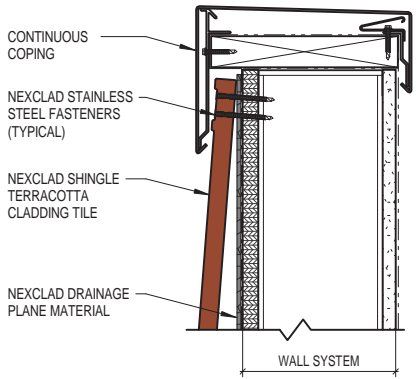
LUDOSLATE

WILLIAMSBURG

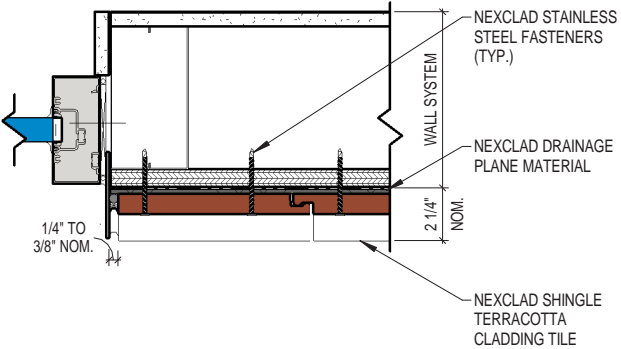
DESIGN TRAITS

- ♦ Sidelock Weather Channel: Allows the tiles to nest together and acts a drainage channel for surface moisture on the tiles. The sidelock weather channel also allows for attachment of a stainless steel, concealed wind clip for added wind resistance and performance
- ♦ Two (2) pre-punched fastener holes for attachment anchors
- ♦ Engineered stiffening ribs on the back of the tile allow an increase tile strength while removing unnecessary weight
- ♦ Various sizes allow for flexibility in the scale and appearance of the wall area.
NOTE: The 11" (14) and 13" (16) exposures cannot be intermixed in a wall, but may be "banded" on an elevation

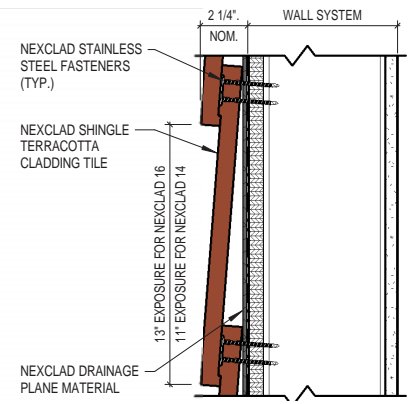
Coping Section Detail



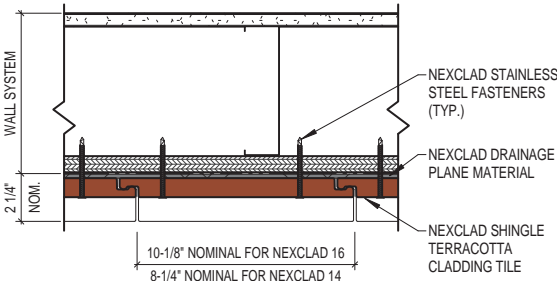
Jamb Plan Detail



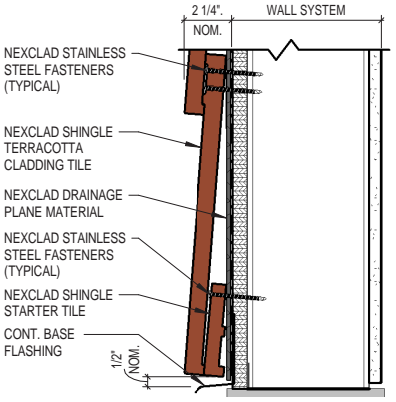
Typical Section Detail



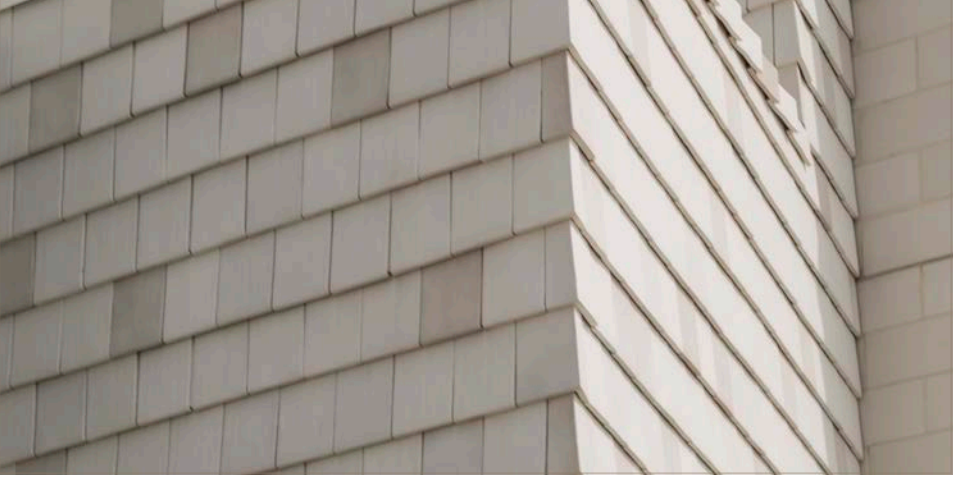
Typical Plan Detail



Base Section Detail

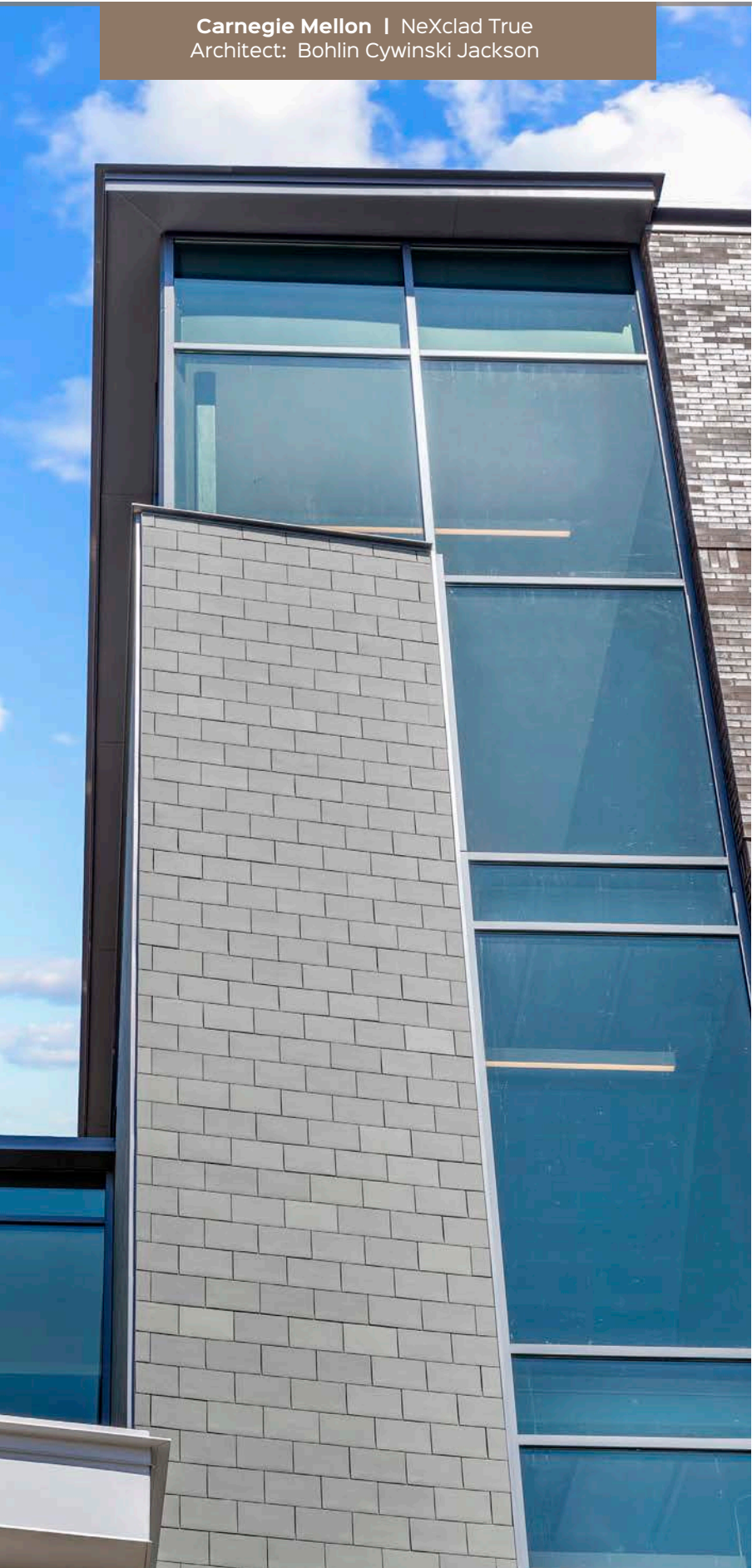


Corner Example



NEXCLAD TRUE

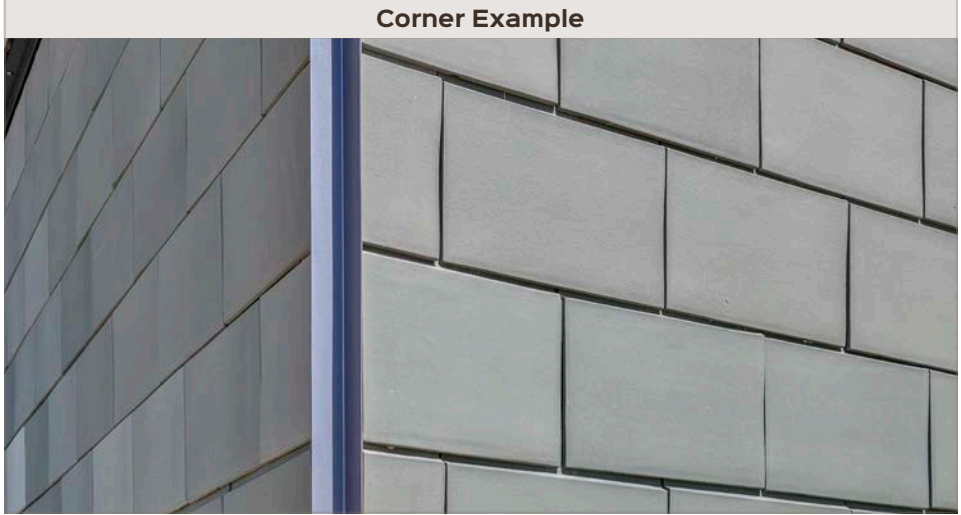
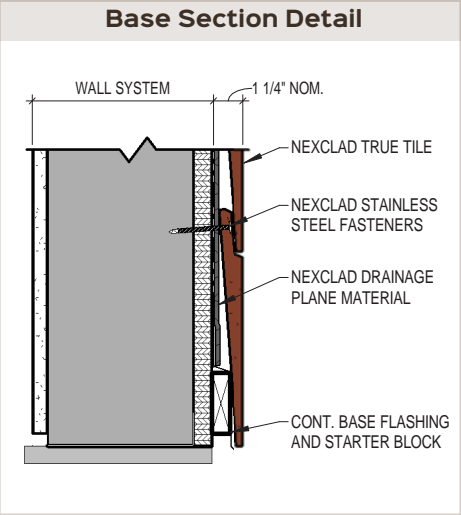
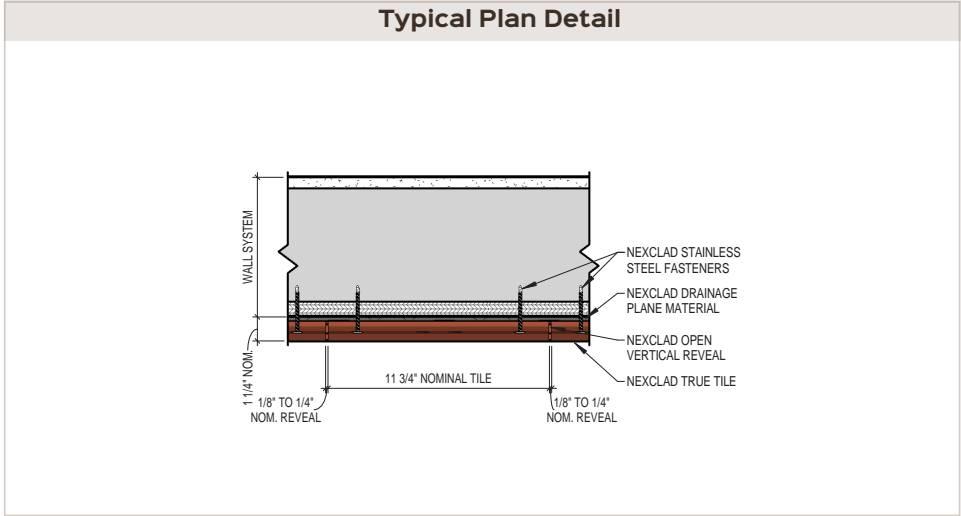
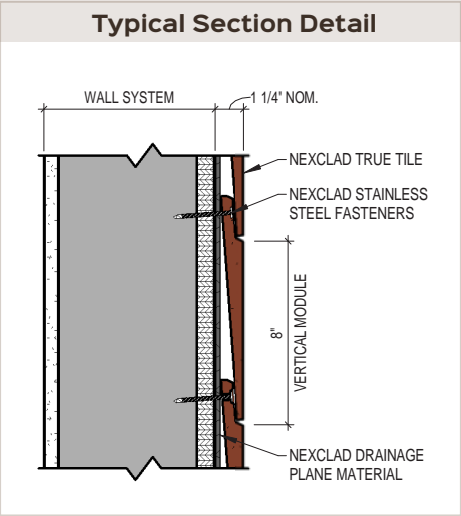
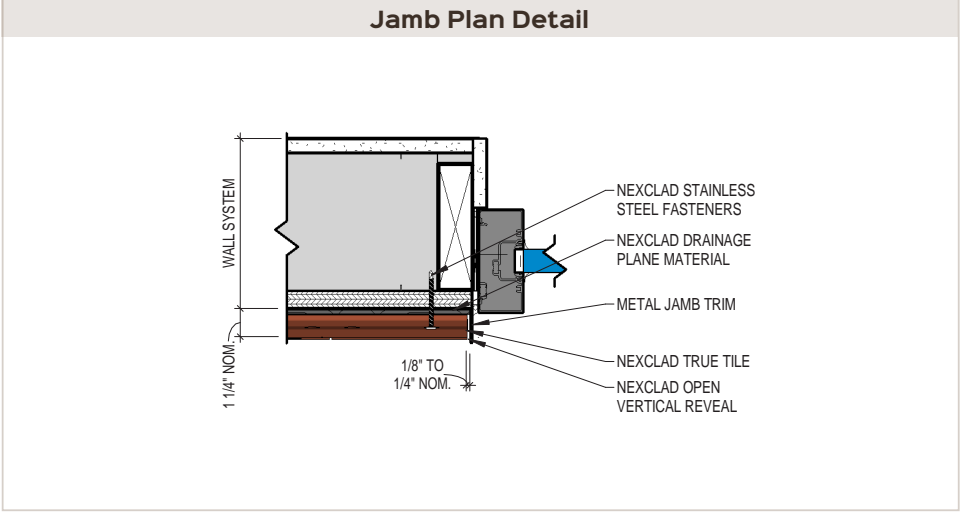
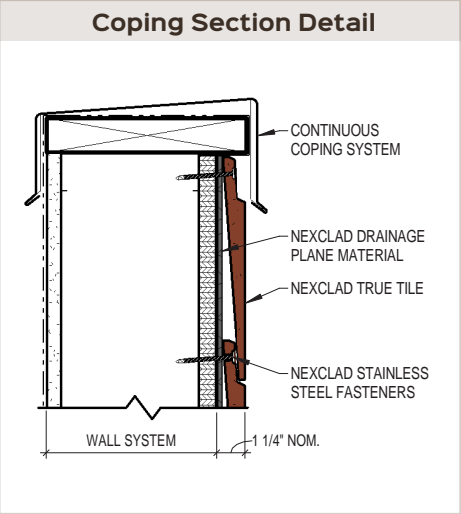
Carnegie Mellon | NeXclad True
Architect: Bohlin Cywinski Jackson



NEXCLAD TRUE



NEXCLAD TRUE WEATHERED



INSTALLATION

NeXclad tiles can be installed directly to a structural wall sheathing board or over a framing system for a rainscreen application.

NeXclad True tiles provide a flush surface from tile-to-tile, whereas all other NeXclad products install in a shingle style to provide a shingle texture and shadow lines.

NeXclad shingle can be installed quickly and easily with two stainless steel fasteners inserted through factory provided holes at the top of the interlocking terra cotta tiles. The sidelock weather channel allows tiles to nest together and acts as a drainage path for moisture on the surface of the tiles. The sidelock weather channel also allows for installation of a concealed stainless steel wind clip for added wind resistance and enhanced performance.



(2) factory provided fastener holes



Sidelock Weather Channel

(4) factory provided fastener holes to facilitate a running bond installation

RAINSCREEN APPLICATION

Ludowici's terra cotta rainscreen systems consist of an outer terra cotta panel, a ventilated and drained cavity, and a protected inner skin. The rainscreen system serves as a moisture management facade assembly where the outer terra cotta panel deflects airborne moisture while the cavity drains moisture away from the building's structure.

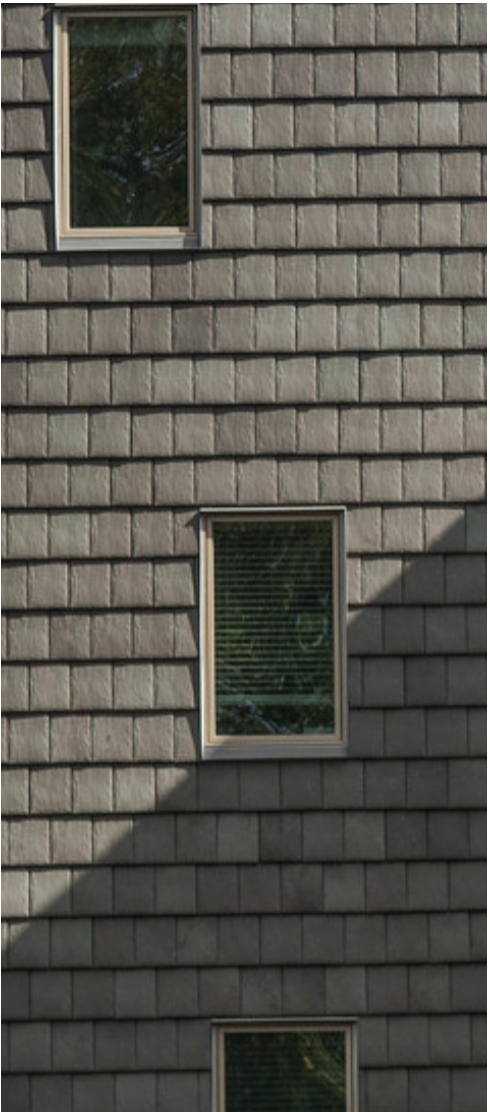
THE TERRA COTTA RAINSCREEN ADVANTAGE

IMPROVES A STRUCTURE'S LIFE EXPECTANCY

Terra cotta rainscreen systems improve upon failures often seen in a conventional barrier wall — degradation due to moisture. A key aspect of a building enclosure's durability is moisture management. The utilization of a terra cotta rainscreen provides a multi-layered approach to moisture management. The terra cotta tile finish surface limits the quantity of water that may enter the overall exterior wall and contact the primary weather barrier. The ventilated cavity behind the terra cotta tile finish resists the six forces — kinetic energy, gravity, capillary action, surface tension, pressure gradients, and solar drive — that may drive moisture into a building. This cavity not only provides resistance to these six forces, it also provides an avenue to enhance drying of the exterior wall through providing continual air flow between the terra cotta tile and the building's primary exterior wall surfaces. The terra cotta rainscreen also eliminates the typical sealants and exposed flashings intended to resist bulk water utilized in barrier wall construction. Through the management of moisture and the elimination of exposed sealants, a building's envelope will require less maintenance and provide a longer service life.

ENERGY EFFICIENCY

The use of a terra cotta rainscreen system may result in an immediate realization of increased energy efficiency. The terra cotta tile finish provides protection from the atmospheric effects of humidity and temperature variation. The air cavity behind the terra cotta tile creates a more stable temperature for the building enclosure and the thermal isolation may reduce the building's energy consumption by 30 to 40 percent. The ventilation behind the terra cotta tile provides the temperature buffer during hot weather by promoting air circulation as the warm air rises in the cavity; during cold weather the ventilation provides a similar temperature buffer in a reverse fashion.



YOUR CREATIVE PARTNER, FROM START TO FINISH

From highly technical pre-constructed elements, to the most innovative bespoke solutions, Ludowici envelopes architectural projects from design through construction. Our cladding systems and decoration products provide a wide range of harmonized solutions for buildings.

1 ORDERING MADE EASY

At Ludowici we are committed to providing assistance every step of the way. From the early design stages, through a quick and simple approval and ordering process—our NeXclad tiles can get on site faster with reduced lead times in comparison to other terra cotta cladding materials. We even accept small quantity orders, accomodating projects of any size.

2 TEAM OF EXPERTS

Our team of experts are available to assist with technical, logistical, and customer service questions through each stage of your project. Orders are managed and manufactured in our Ohio facilities. Additionally, Continuing Education and learning opportunities are available for scheduling with a Ludowici team member.

3 TECHNICAL SERVICES

Comprised of engineers and architects with vast design, construction, and product knowledge with industry leading experience, our team makes getting technical help a breeze! Whether it's providing project specific detail assistance, system modeling, performing material take-offs, or project estimates, everyone at Ludowici works to provide the correct materials and technical support necessary to ensure your project is a success.

