



















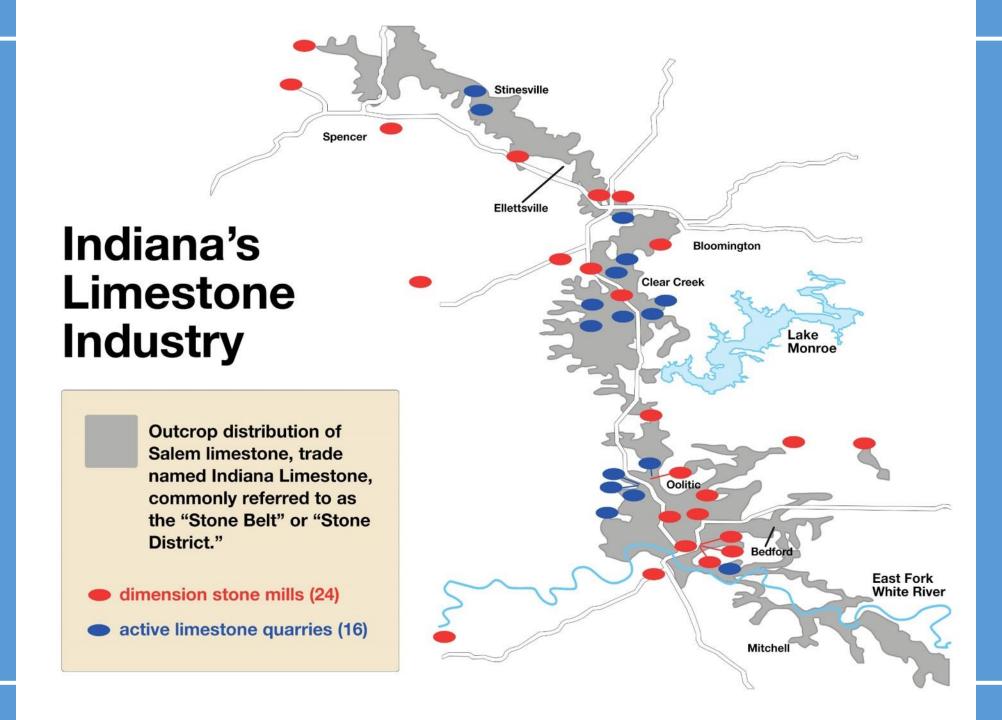


## What is Indiana Limestone

During the Mississippian period a vast shallow tropical ocean covered much of the Mid-West.

Indiana Limestone is a sedimentary rock composed largely of skeletal fragments of marine organisms formed 330 million years ago.

Quarried only in south central Indiana between Bloomington & Bedford Indiana (known as the Stone Belt)



## **Localized Industry**



Maxwell Hall at Indiana University, Bloomington, Indiana was originally called the Library Hall, which was constructed in 1890. The building was renamed Maxwell Hall in 1894.

## **Global Industry**



Vintners Place – London, England

## **Supply Reserves**



The supply of Indiana Limestone is virtually unlimited. Geologists estimate that the product will be available for 500 – 600 years based on present extraction methods. A trend to underground quarrying would extend the supply to more than 1,000 years. Indiana Limestone is as close to an inexhaustible resource as exists on earth.















## Block Nesting – New









## Indiana Limestone

#### Colors









## **ASTM Test Data Comparison**

Product	ASTM Test	Compressive Strength (PSI)	Air Content Range	Absorption	Freeze/Thaw
Indiana Limestone	C-568	Min. 4000	N/A	7.5% Max.	N/A
Cast – VDT	C-1364	Min. 6500	N/A	6% Max.	5% at 300 Cycles
Cast - Wet	C-1364	Min. 6500	4% - 8%	6% Max.	5% at 300 Cycles

Indiana Limestone Test Data Actuals Compressive Strength - 7000+ PSI Absorption – 4% - 5%

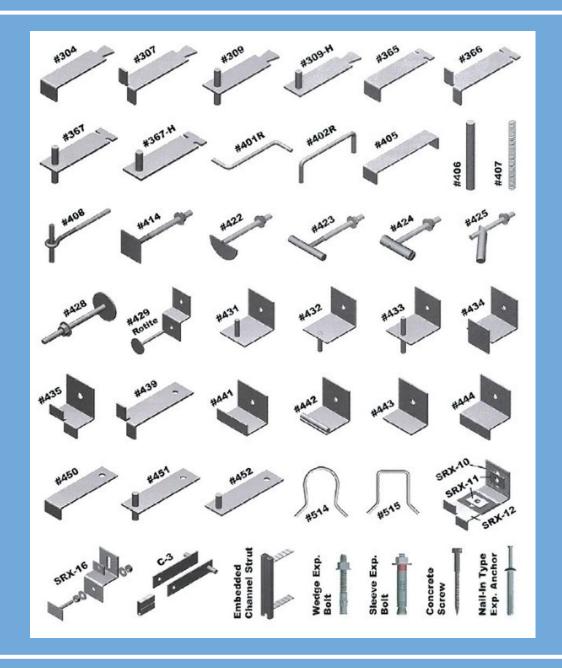
## Composition / Information on Ingredients

Name	Product Identifier	%	GHS-US Classification	
Calcium Carbonite (main constituent)	CAS No. 471-34-1	99.36%	Skin Irrit. 2 H316 Eye Irrit. 2B H320 STOR SE 3 H335	
Magnesium Oxide	CAS No. 1309-48-4	0.64%		
Silica	CAS No. 14808-60- 7	Non Detect	N/A	

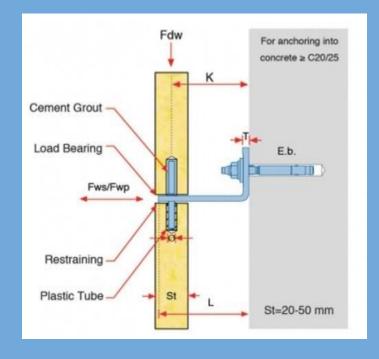
Non-presence of Silica (CAS No. 14808-60-7, Cristobalite, Quartz, Tridymite) determined according to NIOSH 7500 Analytical Method.

#### **Anchor Selection**

- Wind Load
- Seismic Load
- Control Joints
- Materials Selection
- Openings in Structure
- Mortar Selection
- Insulation Thickness



## **Anchor Selection**















# Damp Proofing Back Up Dampproofing Dampproofing Back→ Up



#### 15 Central Park West

2014 Tucker Design Award Architect: Robert A.M. Stern

Stone: Indiana Limestone Full Color Blend

Fifteen Central Park West is completely clad in limestone, complementing the light-toned brick and stone of the older towers and contrasting with the dark reflections of the newer buildings around Columbus Circle. The warmth and natural variation of limestone has made it the material of choice for New York's most important buildings, those with the highest architectural ambitions, from the Metropolitan Museum of Art to the Frick Museum to the Empire State Building to some of the great apartment houses like 998 Fifth Avenue and 740 Park Avenue; no material takes the light more beautifully.







#### **V** House

2017 Pinnacle Award Architect: Dagliesh Gilpin Paxton

Stone: Indiana Limestone Rustic Buff

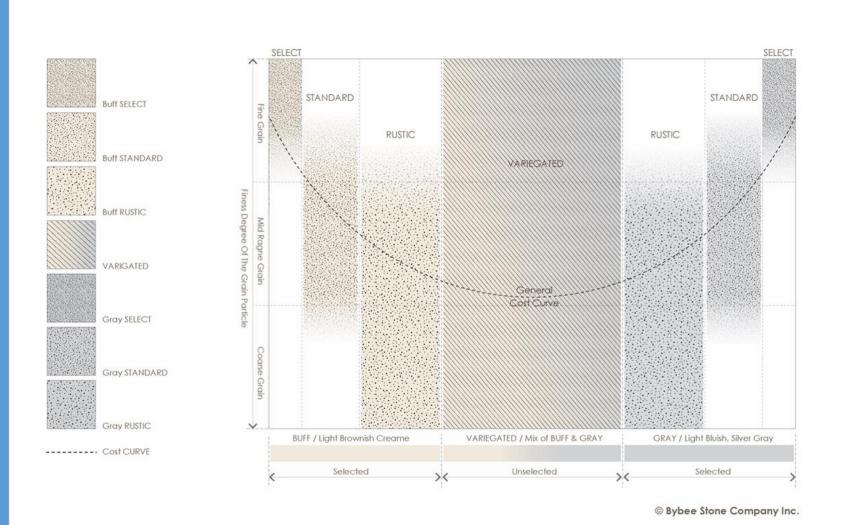


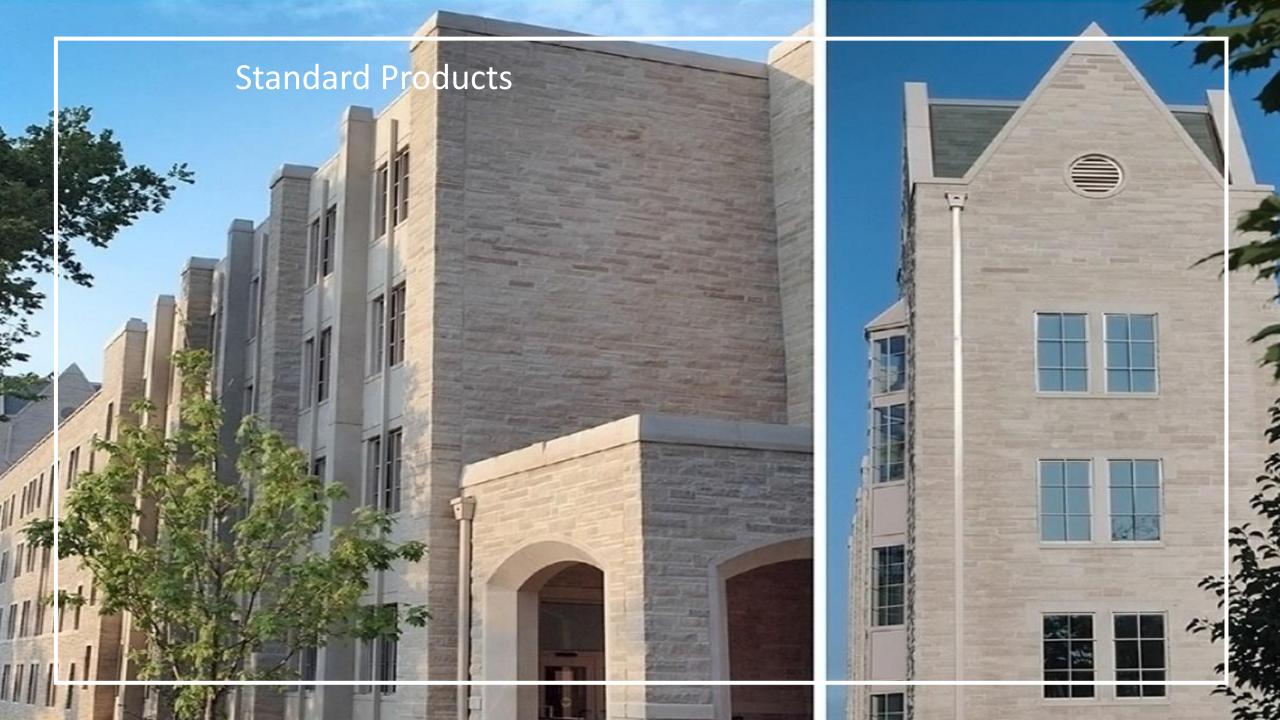
The V House is a classically inspired Palladian villa; it was the owners desire to have a structure designed for energy efficiency and sustainability, with minimal maintenance. The use on natural stone was instrumental in achieving the owners requirements.

The classically designed entablatures, pediments, window and door surrounds, columns and mantels all utilized Indiana Limestone.



## Cost Curve



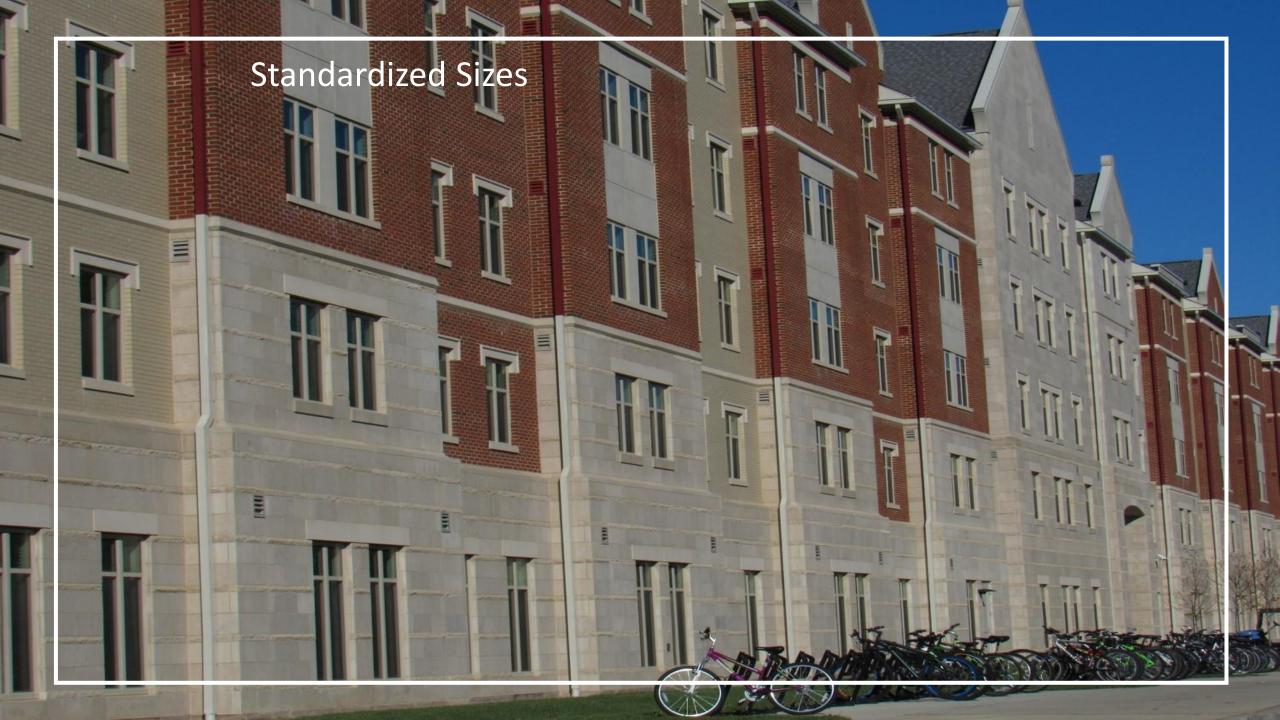












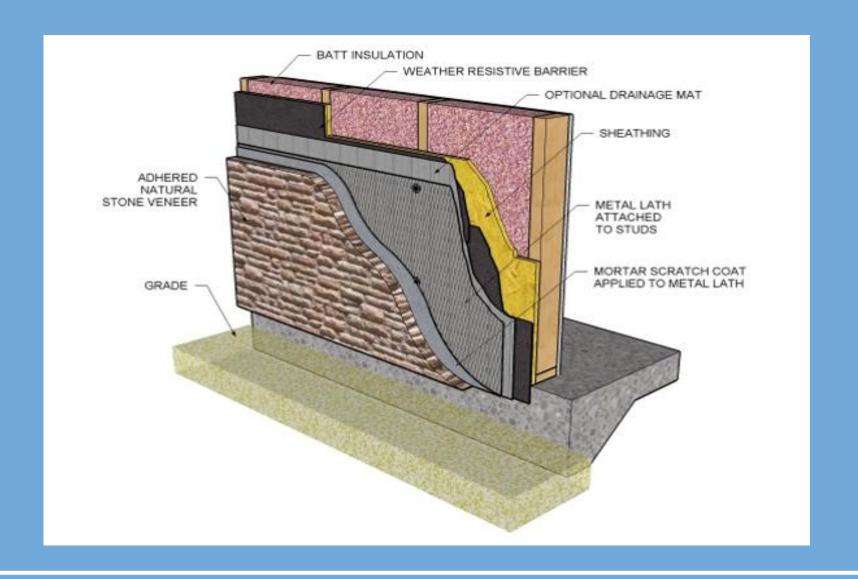




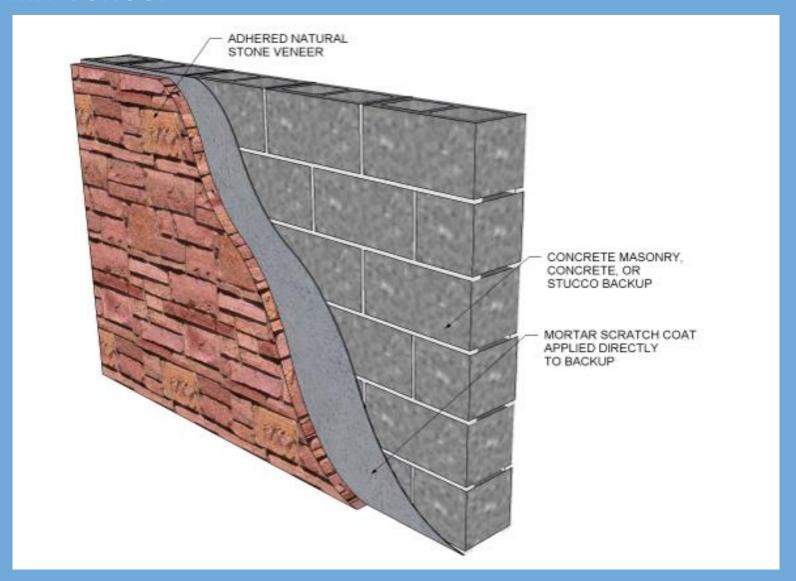




## Thin Veneer



## Thin Veneer





#### **LEED**

- Leadership in Energy & Environmental Design (LEED) Credits
  - ➤ MR Credits 1.1&1.2: Building Reuse, Maintain 75-95% of Existing Walls, Floors, and Roof
  - ➤ MR Credits 2.1&2.2: Construction Waste Management, Divert 50-75% from Disposal
  - ➤ MR Credits 3.1&3.2: Materials Reuse, 5-10%
  - MR Credits 5.1&5.2: Regional Materials
  - ➤ ID Credit 1: Innovative Design
  - ➤ LEED Canada Credit 8: Durable Building
  - SS Credit 7.1: Heat Island Effect, Non-Roof
  - ➤ EA Credit 1: Optimize Energy Performance
- Indiana Limestone is very environmentally friendly, nearly every process in the plant uses recycled water. No acids, additives or coloring is required.





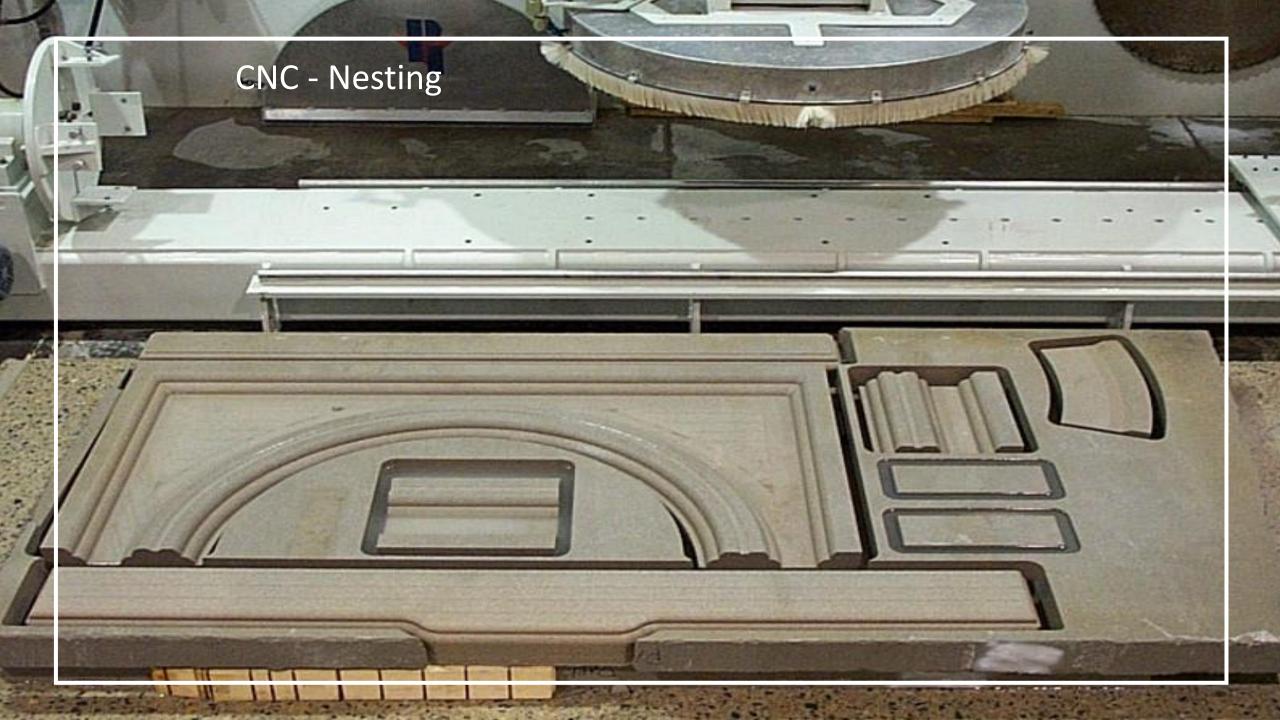


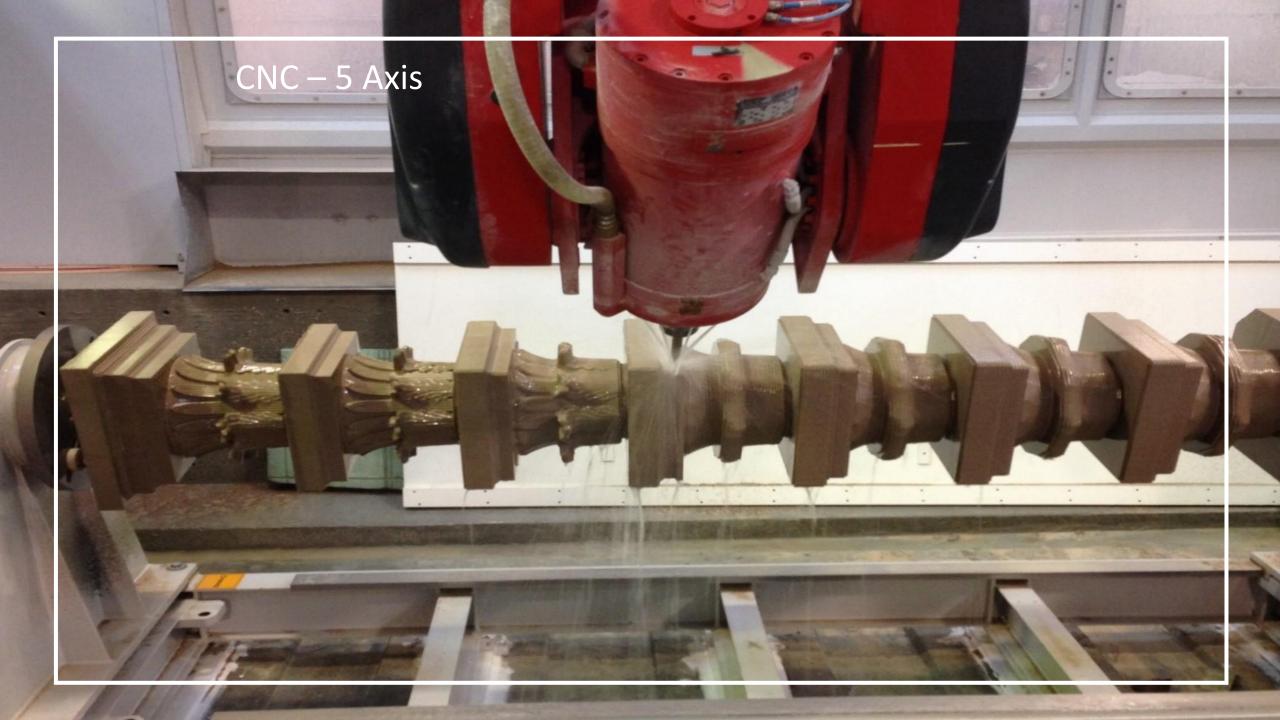




## CNC

















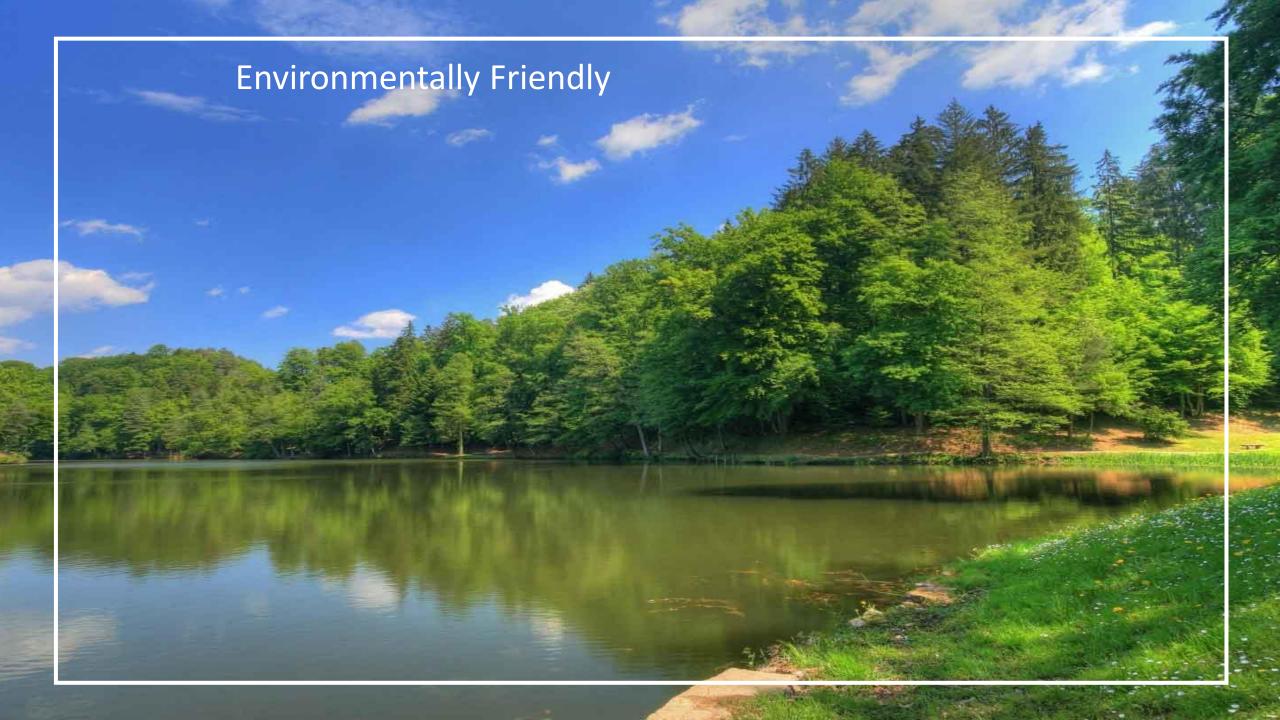














# Ventilated Facade Systems: Versatility, Creativity & Resiliency



## **Chris Bettinger – Oldcastle APG**

Architectural Specifications Manager

- chris.bettinger@oldcastle.com
- Cell: (321) 302-4505



### **Craig Lyon – Custom Cast Stone**

Architectural Sales Manager

- clyon@customcaststone.com
- Cell: (317) 413-8128



#### **Kyle Vanderwilt – Gridworx**

**VP of Architectural Sales** 

- kyle@gridworxwalls.com
- Cell: (214) 596-8562



#### **Kurt Sendek – 3D Stone**

#### President

- kurt.sendek@3dstoneinc.com
- Cell: (317) 809-4704

