



HIGH PERFORMANCE BUILDINGS



Steve Sunderman, Architect
Terrazia PC President



“SOMEONE OUGHT TO DO TILT-UP ‘ROUND HERE!”

Back in 1973, while working with an Oklahoma City A&E firm, I designed a home improvement big box store that required tilt-up concrete wall construction. Turns out it was just the first of many high-performance concrete & tilt-up projects during my 47 year (so far) professional career.

With two degrees from OU in 1974 I joined an architectural firm in Portland, Oregon that was architect for the largest retail company in the NW, Fred Meyer. Tilt-up was the preferred building system so all of my commercial & industrial projects in Oregon were tilt-up concrete with heavy timber roof structures.

After moving back to Oklahoma City (on my 30th birthday), I co-founded a very successful architectural firm that evolved into specializing in design-build projects using tilt-up concrete construction. Again, the preferred durable, efficient and economical system.

A deep economic recession in Oklahoma during mid 1980’s lead me to take a project management position with an A&E firm in Roanoke. I soon asked why nobody was using tilt-up around here. Contractors said architects are not designing them. Architects said there were no tilt-up contractors in our region.

“Hmm? Someone ought to do tilt-up ‘round here!” I said.

Over these last 32 years, excluding my 6 years in Saudi Arabia where everything is built with concrete and stone, I occasionally asked that same question, got the same answer and again said “Someone ought to do tilt-up ‘round here!”

OK, so finally I have decided that I am that someone! Duh!

I am now teaming with concrete specialists, PROCON and other selected experts to provide design-build services to deliver high-performance tilt-up commercial and industrial facilities in the Mid-Atlantic region.

Contact me to learn more about high-performance buildings and achieving the triple bottom line to save money, improve people’s lives and ensure a sustainable future.



Terrazia PC
(540) 467-0996
Steve@terrazia.com
1006 Winona Avenue SW
Roanoke, VA 24015
www.terrazia.com

Need help with your next design project?

Download our free “Rapid Project Planning Pack”.

[Click Here](#)

<https://www.resourcesfordesign.com/tp-planning-delivery-1>





GREEN ARTISTS EFFECT ENVIRONMENTAL CHANGE

The J. Paul Getty Museum encourages its visitors to consider contemporary art on a deeper level. They ask, "Is the work aesthetically pleasing?" and, more significantly, "Is it challenging or interesting?" That's because contemporary art has great power to promote perpetual transformation. Our planet is constantly in motion. To continue on, green artists prioritize climate change. According to the Huffington Post, the following artists express environmental ideas in their work – sculptor Paulo Grangeon, digital age artist Naziha Mestaoui, and architects Amanda Schachter and Alexander Levi.

Paulo Grangeon is a French sculptor famous for "1,600 Pandas." Pictured here are his 1,600 papier-mâché bears, which represent the approximate number of pandas left on the planet – only 1,596 when the project began in 2008. The display has made its way around the world, to more than 20 countries. This visual strikes passersby, who may not have taken this number to heart. Thanks to support from the World Wildlife Fund, the pandas have graced such landmarks as Hong Kong Victoria Park.

As Grangeon's sculptures inspire conversations about endangered animals, Mestaoui's "1 Heart 1 Tree" evokes the natural world where they live. Virtual forests are projected onto monuments, in a stunning display of sight and sound. Viewers connect to it on an emotional level, through a smartphone sensor that makes each tree emerge to the rhythm of the person's heartbeat. As each digital tree grows, a real tree is planted somewhere else in the world. The

project launched on the Eiffel Tower as part of the United Nations COP 21. More than one million participated in-person and online, resulting in 55,000 real trees being planted in partnership with seven reforestation programs on five continents. "So the virtual becomes real," Mestaoui says. The deeper meaning – nature and technology exist side by side. With smart phones in hand, we still are one with the Earth.

These artists make a great impact with three-dimensional art, in a multi-dimension world. Schachter and Levi's "Harvest Dome 2.0" stimulates onlookers to rethink their waste. The 24 by 18-foot dome consists of 450 umbrellas and 128 bottles. Known as performance architecture, it moves like a dancer along the inlet water of Inwood Hill Park in New York City. While ethereal-looking from afar, the piece is very concrete in its message – we can get creative with our garbage and reuse it in countless ways.

Science and art unite, a greater force combined than apart. Communities come together over "green art" because it speaks to modern society. That is us – humans and pandas alike, we are the target audience. Before throwing away that water bottle, think of the Harvest Dome. What could you do with that garbage? Make it a work of art. Or check for the recycling symbol on the back. Either way, you are joining the green art movement, which inspires us to work toward a better future.

ICONIC BUILDING OF THE MONTH

Solomon R. Guggenheim Museum is

Frank Lloyd Wright's self-described "archeseum." An icon for perpetual change in the world of modern art, Wright's architecture is a work of art itself. In 1943, museum director Hill von Rebay wrote to him: "I need a fighter, a lover of space, an originator, a tester and a wise man." After more than 700 sketches, intensive meetings, a new director, and the deaths of Guggenheim and Wright – the museum opened in 1959 on Fifth Avenue in New York City.

Its function was to house the art collection of Solomon R. Guggenheim, the heir to a mining fortune. His art advisor Rebay envisioned a "temple for the spirit." Wright had built many temples, and embraced the idea that any building could serve as a place of worship. Through his signature style, the museum balances privacy with community. Each visitor travels along a spiral ramp that leads to a domed skylight. The experience encourages each person to focus on the art and remain aware of the fellow visitors traveling along the same route.

The ramp creates a "space-time continuum," reflects Bruce Brooks, director the FLW Archives. This harmonious experience mirrors Wright's forward-thinking mindset. Four decades later, Frank Gehry's Guggenheim Bilbao in northern Spain showcases many of the same elements as Wright's original Guggenheim. Open to the public, it is a National Historic Landmark and on the National Register of Historic Places.



“Contemporary art will help me to modernize our society.”
- Victor Pinchuk



Steve Sunderman is President at Terrazia PC, based in Roanoke, Virginia. Steve is a licensed architect, LEED AP/BD+C, Building Performance Institute (BPI) Analyst and a Certified Pervious Concrete Technician. He has over 47 years of diversified architectural design & management experience throughout the United States and the Middle East with a special expertise in resilient and sustainable concrete construction.

Steve helps commercial and industrial facility owners in the Mid-Atlantic region create affordable high-performance facilities that achieve their financial goals and minimize risk without compromising their community and environmental responsibilities.

“I am compelled to provide a resilient future for our communities and descendants by implementing a strategy of change for our built environment that saves money, improves people’s lives and ensures a sustainable planet.”

**CAN YOU FIND
ALL THESE
VISUAL ART
FORMS?
ARCHITECTURE
MURALS
DRAWINGS
PHOTOGRAPHY
SCULPTURES**

Q E R U T C E T I H C R A G S
K O N I C X E A X M O R T S E
E F C N J C D B Y P P U H O R
B J Y D Z X Q L U C J O T L U
S R L Q N E Z M C Z V I W J T
D X X N D G T U J X L V Z D P
O B K Y H P A R G O T O H P L
A J G R V R D A V C R I B H U
K C F W G I R L E I W T K T C
P G N T K L A S F C I Z E K S
R U W V K U W H Z G Z U S H T
W Q Y F O T I N Q U C Y Z A E
Y U A Z I I N Z U M L Z Q C K
W V R O C Q G R M D X A T N C
N V M H M Y S X N R R K F Y G



Terrazia PC
(540) 467-0996
Steve@terrazia.com
1006 Winona Avenue SW
Roanoke, VA 24015
www.terrazia.com

Need help with your next design project?
Download our free “Rapid Project Planning Pack”.

[Click Here](#)

<https://www.resourcesfordesign.com/tp-planning-delivery-1>

