

Humanity Memorial team Image List

01_Humanity Memorial Unity Arch Celebrate Inclusion

Unity Arch, Head Sculpture for Downtown McKinney Cultural Trail "Art Walk", Unifying entire community with symbols of Hope and Unity, Uplifting millions of visitors with movement of Light and Colors. Medium Sustainable copper birds as Statue of Liberty made of, Steel Structure, everlasting
Dimensions 5 m x 4 m x 2 m
Location Downtown McKinney Texas, Art Walk Cultural Trail Attraction

02_Humanity Memorial Unity Arch Monumental Gateway Landmark

Unity Arch, Head Sculpture for Downtown McKinney Cultural Trail "Art Walk", Unifying entire community with symbols of Hope and Unity, Uplifting millions of visitors with movement of Light and Colors. Medium Sustainable copper birds as Statue of Liberty made of, Steel Structure, everlasting
Dimensions 5 m x 4 m x 2 m
Location Downtown McKinney Texas, Art Walk Cultural Trail Attraction

03_Humanity Memorial US Main Attraction Three Harts

Medium: Copper, bronze
Dimensions:11' x 12' x 10'
Price:\$100000.00 Year Completed:2001
Location: Thousand Islands, New York
Description:
Installed in the Thousand Islands NY rated as No.1 must visit in TripAdvisor. "Millions visitors to our facility have enjoyed their art,it has become a signature in the heart islands. "Our experience in creating vibrant copper colors for tourist attractions prepared us to create a signature art for you

04_Humanity Memorial Song of Diversity, desegregated park

KS Warrensburg Missouri ragtime musician J. W."Blind Boone"
Medium: bronze Dimensions:1.7" x 1.6" x 1.6"
Price:\$75000.00 Year Completed:2003
Location: Warrensburg, Mo
Description:
Celebrating music, performance, community with joyous movement in the performance and keyboard. The inclusive design emphasis the openness inviting interaction. The park was built for the black community, now welcoming all age groups, become a gathering place for all. We are passionate to create with you.

05_Humanity Memorial Adventure

Title You are Love You are Light
You are Light You are Love Medium: bronze Location: Washington DC, Price:
\$100000.00 Year Completed: 2015 Description: Commissioned by The David Gordon Foundation, Washington DC. Our artwork reflects children' beautiful imagination and their love for nature will serve your project well. we will create wonder with you and your community, celebrate diversity and unity, to evoke our bond to our earth and one another Feedback: *"The statue has aged flawlessly without any*

maintenance.....Ms Hopen infuse scenes with love and hope. I believe Ms.Hopen is highly talented and motivated, has exceptional technical skills and experience as a sculptor and has unique gifts that give her work an auteur, magic, spirituality and compelling presence that is extremely rare, if not unique." David and Lisa Daniel (David Gordon Foundation, for children and underserved Communities.

06_Humanity Memorial Wedding at Cana Welcoming Colors

"Wedding at Cana" Engaging Visitors with Storytelling Year 2011

Medium bronze Dimensions 2 m x 16 m x 8 m

Location Kansas Wichita Spiritual Life Center

Commissioning Agent and Budget Kansas Wichita Spiritual Life Center, Budget \$600,000

07_Humanity Memorial Peace and Love

Nobel peace prize winner, Wangari was the Alumni of the Benedict University. Peace and Love honor her contribution., Location: Atchison, Kansas. Benedict University Description: She won Nobel Prize: "for her contribution to sustainable development democracy". we can embody your regional flora, bird ,fauna, our art is joyous in spirit uplift unify all, welcome all age groups, our art will bring community closer with timeless symbols of peace, joy, love, community and belonging. Commissioning Agent and Budget (if applicable) Kansas City Benedict University, budget \$65000. Dimensions 1.9 m x 1.8 m x 1.5 m Location Kansas City Benedict University Medium bronze

08_Humanity Memorial DC Civil Right Icon Ida B. Well

message of hope. We guarantee 100% deliver on time and within budget. Noble materials, bronze, copper and stainless steel. Indestructible, immutable, sustainable, and safe. Zero maintenance needed. Everlasting. Evoke community pride. Please trust us to create with you. Title Washington DC Civil Right Icon of Hope, Shine the Light Year 2021

Medium Bronze Portrait, Sustainable Copper Book Dimensions 7' x 12' x 5' Location: DC Ida B. Wells Middle School Commissioning Agent Washington DC DGS Percentage for Art

09_Humanity Memorial Monument to Peace and Unity

Monument to Peace and Unity

"Hopen...were a unanimous pick" "This art dedicated to Peace and Unity is remarkable addition to our city Public Art collection" Arts commissioner" --- Priscilla Bell

"The selection committee was especially impressed with the research she conducted on the project, and the extremely professional manner of her presentation," according to the meeting minutes. "She did her research and incorporated the theme of the call using special phrases cut into the artwork."

24 FEET Monu9/22/2022 Coeur d'Alene ID Budget \$75,000 Material Steel and copper

10_Humanity Memorial Monument to Peace and Unity, video link

Children' interaction with the artwork is the high light of the unveiling ceremony, children embrace the art from all angles, walk around, walk through and sit on the unity benches.

"I like to walk through the art, sit on the copper benches and look up to see the spiral " "There is a circle of birds on the top" " I like to hug the peace ribbons"

The Best Feedbacks, Students from Coeur d'Alene Art Academy

Video link **Dynamic Views** of Monument to Peace and Unity

<https://vimeo.com/manage/videos/747129>

Humanity Memorial Team RESUME Cover

Create From Love Built To Heal---Minority Women Led HUMANITY MEMORIAL TEAM

We Deliver World Class Structure Enduring Symbol of Peace and Prosperity for You

TRUSTED
By DC Percentage Art

WASHINGTON DC

Suffragist, Civil Right Icon
"Thank you for the Timeless Masterpiece--- Capital City DSC
"Shine the Light" Statue to Ida B. Wells

Water Feature Designer Dan Euser

(9/11 Memorial)



Inclusive Design Director
Kona Gray, FASLA/EDSA

Structual Designer
Dennis Poon Thornton Tomasetti

Team Lead
Artist
Ai Qiu Hopen



Each Team Member' Resume 2 Pages Attached Below:



Bio: I grow up in straw house and dirt floor in China. When I was 10 years old, my father was diagnosed with 4 stage cancer, I learned to pray when the elderly come to my humble home, to pray for my father everyday and brought us food. I saw the first hand the dedication and care from community that install hope for our entire family of 7. The trans-formative love from community nurturing me since. As a mother/ sculptor through the past 20 years, I have been creating public art with communities in US from this universal value of love and shared aspiration for a better future.

Humanity Memorial team' artwork is created from our innate love, from our shared compassion to serve humanity and to heal. We believe our multidisciplinary team from diverse cultural backgrounds with this commitment to serve love and community with truck record promoting humanity through art, will be the most suit team to create impactful art for you. **Our team top priority** is design with reputed structural design team led by Dennis Poon from concept to installation to assure your structural security and public safety. Our experience creating with reputed design team and construction team prepared us to create with your excellent team to assure ultimate success and public safety for your project. (Thornton Tomasetti Profile includes MLK Memorial in DC). Designer FALA Kona Gray will assure you our inclusive design will honors diversity and unity, recipient of The ASLA President's Medal, awarded for unselfish and devoted service to the community at the national level.

Selected National Reorganization, Awarded Commissions

2022 National Design Competition, **finalist**, Honor 1968 Sanitation workers, City of St. Petersburg Sanitation Headquarters
 2022 National competition, **winner**, **budget 1 million USD**, Majestic Buffalo Spirit of Inclusion, Client, State of New York
 2022 National Design Competition, **winner**, budget \$250,000 "Sunrise of Inclusion" and "Sunrise of Unity", Miami, FL 2022
 International Design Competition, **Winner**, budget \$189,000 "Pioneer , Global Connection", Jacksonville, Florida 2022
 National Design Competition, **Winner**, Embrace/ Belonging, 24 Ft, Racial Equality Vermont Commission, Dewey Park 2022
 International Design competition, **Winner**, Bas relief Circle of Hope, Japanese Cultural Museum, California
 2022 National Design Competition **Winner**, Ohio Park, Celebrating Diversity, 16 feet landmark
 2022 National Design Competition **Finalist**, **Budget 1 Million**, Martin Luther King Monument, **Cincinnati Ohio**
 2022 National Competition **Winner**, cultural landmark museum, Unity, Santa Maria, CA. 16 Feet Landmark
 2022 National Competition **Finalist**, Rock of Truth Landmark, **Cincinnati University 20 feet landmark**
 2021 International Competition 2021 **Winner**, **budget 1 Million USD**, Gateway landmark ECO Park, Our team with renown
 WallacePancher Group is the only team from North America won the competition
 2021 National competition, **finalist**, Orlando Florida, Disney World of World, Special Olympic Cauldron Design
 2021 National competition, **finalist**, Interactive signature art for children, Washington DC Capital Hill Montessori school
 2021 National Competition **Winner**, landmark, 24 feet, main entrance, tourist city of Coeur d' Alene, ID
 2020 National Competition **Finalist**, honoring the contributions of Matthew Gaines for Texas A&M University
 2020 National competition **Finalist**, Law Enforcement Memorial for Law Enforcement Garden, Kansas City.
 2020 National competition **Finalist**, Diversity Gateway Landmark, For downtown Sarasota Florida \$500,000
 2019 National competition **winner**, Ida B. Wells civil right Icon Ida B. Well, Capital Coolidge High school
 2019 National competition **winner**, landmark, Unity Arch, McKinney TX No.1 best place to live by Money Magazine.
 2019 National competition **finalist**, Florida State Capital, Dozier Boys Memorial honoring 100 abused children
 2018, National competition **finalist**, honors the enslaved people, St. Mary's College of Maryland \$750,000
 2013 National Design competition, **Winner**, Gate of Freedom ,a major civil right movement monument for foot soldiers for
 Kelly Ingram Park, Birmingham, AL. The 1963 Birmingham civil right movement lead by MLK.

Education: 1995-1999 Education: ECNU Shanghai China, graduated from Modern Art Design and Art Education Department, reputed as the East of Columbia university. **US Award Winning documentary** 2007 US Award Winning documentary file "Beautiful You, Poet Sculptor Ai Qiu Hopen" by Director Ray Schmidt, Real Earth Production. The world premiere took place on Friday, October 6th, in Sutton at The WV Filmmakers Film Festival 2006.

"Thank you for the Timeless masterpiece!" -----DC Percentage Public Art Commission Committee

"Hopen...were a unanimous pick." "The selection committee was especially impressed with the research she conducted on the project, and the extremely professional manner of her presentation," according to the meeting minutes. "She did her research and incorporated the theme of the call using special phrases cut into the artwork."



'We are the wings of love'



cdapress.com

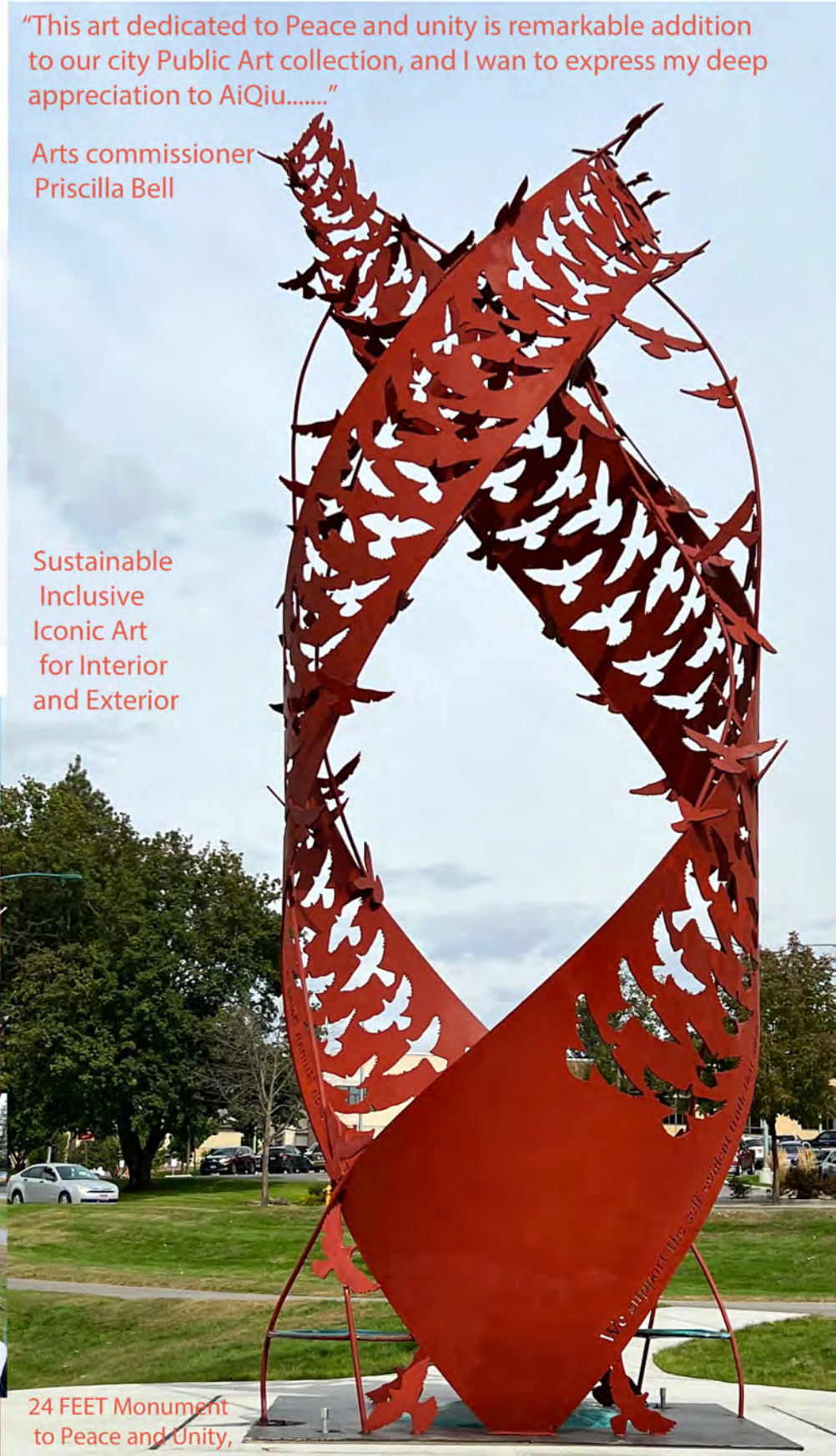


Humanity Memorial Team Promote HUMANITY through ART

"This art dedicated to Peace and unity is remarkable addition to our city Public Art collection, and I wan to express my deep appreciation to AiQiu....."

Arts commissioner
Priscilla Bell

Sustainable
Inclusive
Iconic Art
for Interior
and Exterior



24 FEET Monument
to Peace and Unity,
Installed 9/22/2022
Coeur d'Alene ID

Kona Gray RESUME



A CULTURE OF COLLABORATION

THE DESIGN STUDIO

Behind every great design there is a team of people whose vision and experience will shape the form an idea takes. While EDSA is one of the largest, uniquely disciplined planning, landscape architecture and urban design firms, it is our culture of collaboration and the available resources of the entire firm that allows us to provide a high level of specialized, client-focused service.

Every project originates within a studio composed of an experienced and well-rounded team of designers who are completely engaged and connected through every phase of design – from concept through construction. We believe this dedicated team approach ensures consistency and continuity in process, people and service. In close connection with clients and consultants, our designers develop ideas and refine alternatives in an environment where thoughtful participation, originality in design and culturally-appropriate thinking are first and foremost.

MADINAT JUMEIRAH

Credited with raising the bar in culturally contextual, Madinat Jumeirah gracefully celebrates history by recreating the feel of Old Dubai along Dubai Creek. Complete with waterways, abras, wind towers, and a bustling souk, the \$1.2 billion project is one of the largest and best-known destinations in Dubai.

Budget: \$1.2 billion

Location: Dubai, United Arab Emirates

Client: Mirage Mille Development

Scope: Master Planning, Detailed Design

Construction Administration

Services

Scale: 40 Hectares

EDSA CORE VALUES:
TALK WITH ME

LET DIFFERENT BE
THE NEW NORMAL

ABUNDANT IN TALENT, GLOBAL IN PERSPECTIVE

AT EDSA, WE SPECIALIZE IN MASTER PLANNING AND LAND USE, LANDSCAPE ARCHITECTURAL DESIGN AND URBAN DESIGN

By narrowing our focus to these core disciplines, we bring better insights, a greater variety of educated alternatives and an intrinsic value to how land is utilized. Our design approach supports our belief in doing the right thing – for our earth, our clients and for society. This means understanding the unique parameters of every site as it relates to development intent – stressing the importance of research and analysis, innovation, cultural authenticity and sound implementation strategies.

MADINAT JUMEIRAH • DUBAI, UNITED ARAB EMIRATES



Strong leadership and a sense of purpose are part of Kona's DNA. Having practiced in 30+ countries, his global management sense has positively shaped the outcomes of many award-winning assignments. He successfully integrates creativity and regional resources into functional environments that invigorate the imagination. With an uncompromising dedication to quality, Kona creates welcoming public places that bring a strong sense of vitality back to neighborhoods. Blending sensitivity with innovative design solutions, he unites a client's vision with his own vanguard designs to produce programs with purpose and presence.

EDUCATION

Cornell University, SC Johnson College of Business, Commercial Real Estate Development Certificate, 2021

University of Georgia, School of Environment and Design, Bachelor of Landscape Architecture, 1997

Savannah College of Art and Design, 1994

Boston Architectural Center, 1992

REGISTRATION

Landscape Architect (FL) #6666950; (GA) #001789; (VA) #406001878; (AR), #9215, CLARB Certified #43648

AFFILIATIONS

American Society of Landscape Architects (ASLA), Past Vice President of Professional Practice

Landscape Architecture Accreditation Board, ASLA Representative

Landscape Architecture Foundation, Past President, Board Member Emeritus

Nova Southeastern University, Huizenga School of Business - Terry Stiles Real Estate School, Advisory Board Member

Society for College and University Planning, Member

University of Miami, School of Architecture, MRED+U, Advisory Board Member

Urban Land Institute SE Florida and Caribbean District Council, Advisory Board Member

2021 ASLA President's Medal Award

Ability to connect diverse communities and cultures, creating connection for all with cultural Impact will serve your project goal for equity and inclusiveness.

KONA GRAY FASLA, PLA

PRINCIPAL Of EDSA

Artist, designer, writer, landscape architect

EXPERIENCE

Alvin Sherman Information Technology Center, Davie, Florida: The private university and county government entity joint-use facility serves as a research, cultural and learning center with traditional public library services and full academic resources for the university. EDSA provided conceptual design through construction administration services.

Bonnet House Museum & Gardens, Fort Lauderdale, Florida: EDSA provided master planning and negotiated environmental permits for the urban oasis. In addition, the team worked with the Florida Trust for Historic Preservation to restore the house as a museum and nature preserve of national significance.

Coral Springs Municipal Complex, Coral Springs, Florida: The public complex has a system of promenades and plazas that form cohesive connections between buildings and roadways. A series of open spaces, sculpture gradens and water features accentuate entry ways while lighting, hardscape and site furnishings create pedestrian continuity. EDSA provided master planning through construction administration.

Don Taft University Center at NSU, Davie, Florida: A focal point for campus life, the student union has a 4,500 seat arena, state-of-the-art wellness center, visual arts wing, sculpture plaza, food court and student lounge Representing a culmination of efforts related to the initial master plan study, EDSA was responsible for site selection, detailed design and construction administration of the \$45 million facility.

Huizenga College of Business at NSU, Davie, Florida: Serving more than 6,600 students, the 261,000-square-foot building encases a central atrium with outdoor sculpture plaza and terraces serving as an extension of the classrooms. As Principal-In-Charge, Kona was responsible for site selection, conceptual plans, permit drawings, design development and construction period services.

Norton Museum of Art, West Palm Beach, Florida: Transforming the community's cultural landscape, the \$100 million expansion is built around the museum's existing core and mammoth Ficus tree that serves as a functional part of the architecture. The complimenting 9,000 square feet of landscape brings art to the outdoors with signature trees, tropical gardens, a sculpture collection, great lawn and reflection pool. EDSA provided conceptual design through construction administration.

NSU Art Museum, Fort Lauderdale, Florida: The museum is poised as a cultural icon and serves as a catalyst to uplift the urban life that unfolds around it. Kona and his team provided master planning and detailed design services to improve the visibility of the museum through a series of exterior improvements and upgrades.



Welcomed
61
new clients

Contributed to
12
non-profits

Designed in
33
countries

Planted
2k
trees

with ON TREES PLANTED



Team Member Water Feature DEW INC.RESUME



DEW INC PROJECTS

- National September 9/11 Memorial, New York, NY
- Discovery Green, Houston, TX
- William J. Clinton Presidential Center, Little Rock ,AR
- Milwaukee Art Museum, Milwaukee, WI
- XL House, Hamilton, Bermuda
- Shaw Center for the Arts, Baton Rouge , LA
- Clinton Square, Syracuse, NY
- US Courthouse, Seattle, WA
- Grange Insurance, Columbus, OH
- Jamison Square, Portland, OR
- Mesa Art Center, Mesa, AZ
- Cincinnati Art Museum, Cincinnati, OH
- City Center Park Greensboro, NC
- Clark Art Institute, Williamstown , MA
- Principal Mutual Life Campus, Des Moines, 10
- Dundas Square, Toronto, ON, Canada
- Phoenix Art Museum, Phoenix, Arizona
- Legoland Theme Park, Guntzburg, Germany
- Chicago Botanic Garden, Chicago, IL
- GM Renaissance Place, Detroit, MI
- Village of Yorkville Park, Toronto, ON, Canada
- Barnes Foundation, Philadelphia, PA
- Elizabeth Caruthers Park, Portland, OR
- University of Texas, Dallas, TX
- Cleveland Clinic Heart Center, Cleveland, OH
- Repentance Park, Baton Rouge, LA
- Exhale Public Art, Chapel Hill, NC
- New York City Waterfall Project, New York, NY

RECENT PROJECT AWARDS AND HONORS

- ASLA Presidents Award Excellence Yorkville Park
- ASLA Honor Design Award Mesa Arts Center
- ASLA Honor Design Award Jamison Square
- ASLA Honor Design Award Nasher Sculpture Center
- ASLA Honor Design Award National 9/11 Memorial, NY

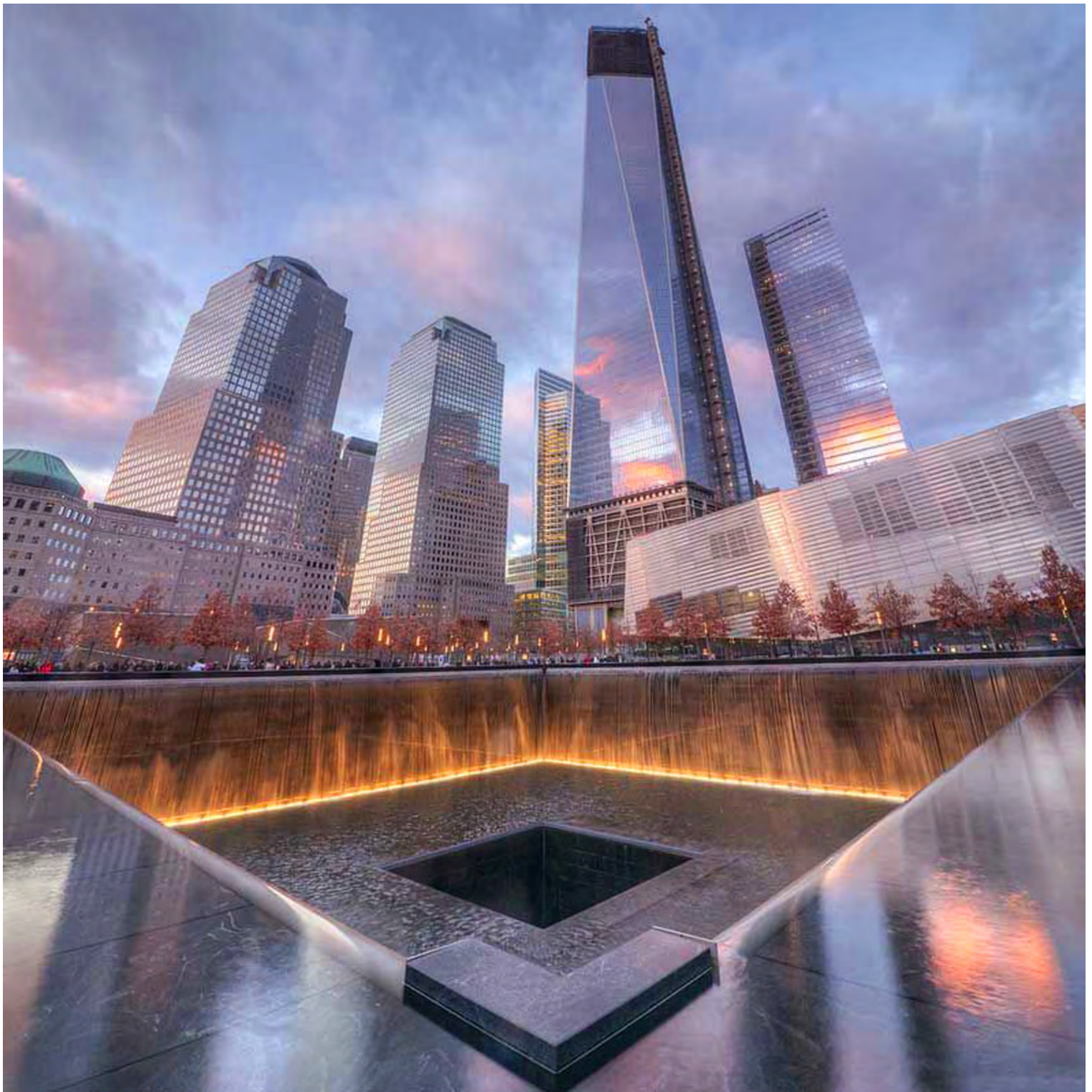


Photo Epicgenius/Wikimedia

Dew. Inc. Water Feature

National 9/11 Memorial, New York

Price:
\$20000000.00

Dimensions:
800' x 200' x 200'

Year Completed:
2012

NATIONAL SEPTEMBER 11 MEMORIAL
NEW YORK, NY, USA
2011 - DAVIS BRODY BOND - MICHAEL ARAD
& PETER WALKER & PARTNERS

Award
ASLA Honor Design Award
National 9/11 Memorial



Dennis C.K. Poon, P.E.

Principle Structural Designer for the World Second Tallest Tower

Shanghai Tower, 2015, Top, Left)

Vice President, Principal in Charge



Dennis has extensive experience in landmark design, public art structural design, seismic design, structural investigations and optimization of structural systems, to assure you public safety and ultimate success.

Dennis has more than 40 years of experience leading and executing the structural engineering of a wide variety of world renown landmarks, such as supertall structures: Shanghai Tower opened in 2015 as China's tallest building and the second tallest building in the world. Petronas Twin Towers, rising 452 meters above Kuala Lumpur, large-scale mixed-use complexes, hotels, airports, arenas and residential buildings worldwide. He has expertise in the application of state-of-the-art engineering technologies in both concrete and structural steel for building analysis, design and construction, including project delivery strategies.

Education

- M.S.C.E., 1979, School of Engineering, Columbia University, New York, New York
- B.S.C.E., 1977, University of Texas at El Paso, El Paso, Texas
- Certificate of Building Technology, 1974, The Hong Kong Polytechnic, Hong Kong

Registrations

- Licensed Professional Engineer in Connecticut, Florida, New Jersey and New York

Awards / Affiliations

- Board of Trustees, Council of Tall Buildings and Urban Habitat (CTBUH), 2010-2018
- 2015 Leaders of Industry Award, Concrete Industry Board (CIB)
- ENR Award of Excellence, Top 25 Newsmakers in 2010
- Outstanding 50 Asian Americans in Business Award, 2010
- Corporate Executive Award, New Jersey Chinese American Chamber of Commerce, 2009 and 2010

Professional Papers, Lectures and Publications

Lectures

- "Ping An Tower – The Tallest Building in China Designed with the New Anticipated China Code," ASCE Structures Congress conference, Las Vegas, NV, April 2011
- "Nonlinear Dynamic Time History Analysis for the Performance-Based Seismic Design of Shanghai Tower," ASCE Structures Congress conference, Las Vegas, NV, April 2011
- "Optimize the Design of Super High-Rise Towers," 4th Annual Ultra High-Rise Building Summit, JFPS Group, Shanghai, China, March 2011
- "Design Challenges of Shanghai Tower, One of the World's Tallest Buildings," Chicago Committee on High-Rise Buildings, Chicago, IL, March 2011
- "Challenges of Super High-Rise Building Design," Tall Buildings Vietnam conference, Ho Chi Minh City, Vietnam, February 2011

Select Project Experience

Aviation

Guangzhou New Baiyun International Airport, Phase Two, Guangzhou, CHN. Structural design services for the expansion of an airport that accommodates approximately 80 million passengers. Phase two consists of two mirrored concourses and connecting buildings.

Incheon International Airport, Terminal 2, Phase III, Incheon, KOR. Structural optimization of a 350,000-square-meter terminal with 37 gates. The facility will have four floors above grade, one floor below grade and a roof structure.

John F. Kennedy International Airport, Terminal One, Jamaica, NY. Structural design services for a state-of-the-art two-level main terminal with a 565-foot north side and a 750-foot south side bending in a gradual arc. The facility has two concourses – a three-gate west and a finger-like south concourse that juts 679 feet into the apron – and houses four international carriers.

Commercial and Mixed-Use

Qingdao Haitian Center, Tower Two, Shandong, CHN. Structural engineering peer review and value engineering services for a 369-meter-tall, 75-story mixed-use tower comprising six star hotel and office space.

Bairui Financial Center, Zhengzhou, CHN. Structural design services through design development for an office tower on a 10,000-square-meter site located in the new Central Business District in the capital of Henan Province. The office tower rises approximately 120 meters, with a floor area of 70,000 square meters above grade and 30,000 square meters below grade. The structural system is reinforced concrete moment frame with a central core.

Huadu Center, Beijing, CHN. Structural design through design development of a 223-square-meter mixed-use development consisting of two office towers, one hotel and apartment tower, an art museum and four basement levels of retail and parking.

Taikang CBD, Block Z - 12, Beijing, CHN. Structural engineering services for a mixed-use development in the Chaoyang District at Guanghua Road.

Humanity Memorial Team Top Priority: Design and Consult Structural Designer Team From Concept to Installation to Assure Structure Integrity and Public safety.

Thornton Tomasetti Structural Design Work Example

MARTIN LUTHER KING, JR. MEMORIAL

Washington, DC

Thornton Tomasetti provided structural engineering for a new memorial that occupies a four-acre site along the tidal basin on the National Mall.

A crescent-shaped plaza is surrounded by curving, stone-clad retaining walls carved with inscriptions. Two large stones, the “mountains of despair,” form a gateway flanked by waterfalls. On the plaza, the “stone of hope” incorporates a 31-foot-tall sculpture of Reverend King. Thornton Tomasetti’s engineers worked closely with the geotechnical consultant to overcome extremely challenging soil conditions. The entire memorial rests upon piles driven to bedrock.

The water features posed an additional design challenge. Plans originally called for a remote pump-room with underground piping running to the falls. A design change added below-grade pump rooms beneath each of the waterfalls, with a 175-foot tunnel providing access to both. This required the tunnel to run directly below the massive “mountains of despair.” Thornton Tomasetti reanalyzed and reconfigured the arrangement of piles supporting the stones to accommodate the tunnel. The design of the tunnel itself was complex, requiring precise integration with many different components. Highly detailed and coordinated drawings ensured that the design intent was clear and simplified construction.

The project includes a 3,000-square-foot structure across the street from the memorial. The building, which features a 12-foot roof cantilever, houses a bookstore and ranger station with public facilities.



Owner

National Park Service

Design-build team

McKissack & McKissack/Turner/ Gilford/ Tompkins

Designer, Lei Yixin

Completion date

2011

Construction cost

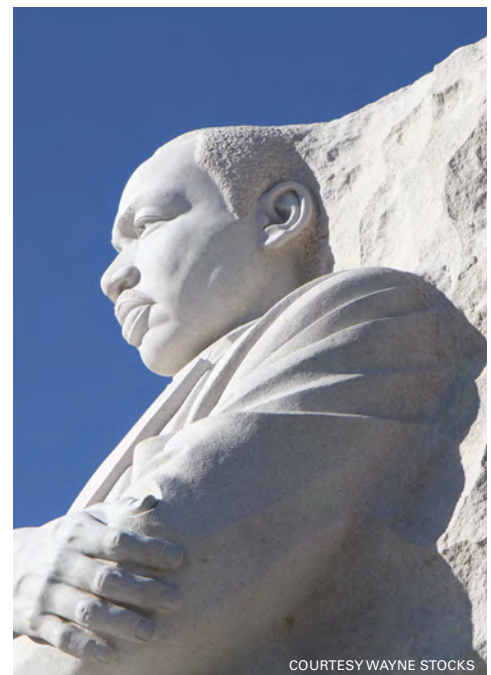
\$120 million

Services

Structural engineering

Awards

2011 Washington Contractor Award, Design-Build, Associated General Contractors of Metropolitan Washington DC



STEVE RATCHYE, AIA,P.E.,S.E.,LEED AP, R.A.

Associate Principal, Architect, AIA, Structural Designer

San Diego Zoo, Steve' Rex's Roar, the world's largest cantilever bronze animal statue. 27 feet tall and weighing in excess of 18,000 pounds.



San Diego, California serves as a leader of the Structural Engineering practice in the San Francisco office. He has extensive experience in structural design, analysis and project management across all project types and materials. His portfolio also includes a variety of cultural and entertainment facilities, such as museums, performing arts centers and sculptural installations, as well as stadiums, religious buildings, commercial projects and an aerial tram. Throughout his career, Steve has designed dozens of K-12 and higher education projects, everything from gymnasiums and libraries to laboratories and classrooms. Steve is particularly interested in supplementary cementitious materials and sustainability in the built environment. He serves on the American Concrete Institute's Committee on Fly Ash in Concrete. He has given presentations on fly ash and other issues relating to structures and sustainability at national conventions and industry events.

Education

- M.S., Engineering (Structures), 1997, University of Texas at Austin
- M.Arch., 1997, University of Texas at Austin
- B.A., Philosophy (Honors), 1989, Harvard College

Registrations

- Licensed Professional Engineer in CA
- Licensed Structural Engineer in CA
- Licensed Architect in IL
- LEED AP
- Registered California Emergency Management Agency Safety Assessment Program Evaluator

Select project experience

San Diego Zoo, Rex's Roar Sculpture, San Diego, CA. Structural engineering to the Artworks Foundry in Berkeley for the lion sculpture's stainless steel skeleton, connections to the bronze skin and concrete foundation. At more than 27 feet tall and weighing in excess of 18,000 pounds, it is the largest cantilevered bronze animal sculpture in the world.

City and County of San Francisco, Public Safety Building, "Spiral of Gratitude" Sculpture, San Francisco, CA. Structural engineering for a cylindrical 16-foot-long glass sculpture hung from a steel gimbal with an innovative seismic silicone rubber damping system. The sculpture is a memorial to police officers fallen in the line of duty.

Sanctuary for Sufism Reoriented, "New Man" Sculpture, Walnut Creek, CA. Structural engineering for a sculpture installation. The project scope included the use of friction pendulum isolators to reduce bronze thicknesses enough to facilitate fabrication of the 38-foot-tall sculpture. The use of base isolation substantially improved the seismic performance of the piece, providing for a long design life.

Discovery Cube Science Museum, Los Angeles, CA. Structural design of a 60,000-square-foot, wedge-shaped museum that is stabilized by concrete tilt wall panels and includes galleries, a lobby, a kitchen and cafeteria, museum store and administrative offices.

National Palace Museum, Southern Branch, Taibao City, TWN. Structural design of a 340,000-gross-square-foot museum with galleries, collection areas, public spaces and support spaces built on four levels with partial mezzanines.

Columbia Memorial Space Science Learning Center, Downey, CA. Structural design of a 20,000-gross-square-foot museum conceived as a two-story metal clad sculptural form with a variety of display areas and interactive exhibition spaces.

Parallel Light Fields, Salesforce Transit Center, San Francisco, CA. Structural engineering of benches and lights at grade in James Carpenter's sleek artwork.

City and County of San Francisco, Ruth Asawa's San Francisco Fountain, San Francisco, CA. Structural engineering for a prominent eight-foot-tall cylindrical bronze fountain featuring scenes of the city on the exterior face.

JFK International Airport, Jet Blue Terminal, New Grandstand Structure and Cable Sculpture, New York, NY. Structural engineering for a new concourse level grandstand structure and cable sculpture as part of the tenant improvement work being performed at the new Jet Blue Terminal. The sculptural arrangement of hanging cables support a large circular messaging board, and the grandstand beneath provides a respite for weary travelers.

Google Bay View Campus, Mountain View, CA. Structural design and construction engineering for a 1.1-million-square-foot headquarters that includes three distinct buildings featuring expressive sweeping canopy roof structures.

University of California, Riverside, Glasgow Dining Commons, Riverside, CA. Structural design of a two-story, 52,000-square-foot dining hall as part of Phase 1 of a 50-acre, multiproject P3 development.

Thornton Tomasetti

38 FEET “NEW MAN” SCULPTURE SANCTUARY FOR SUFISM REORIENTED,

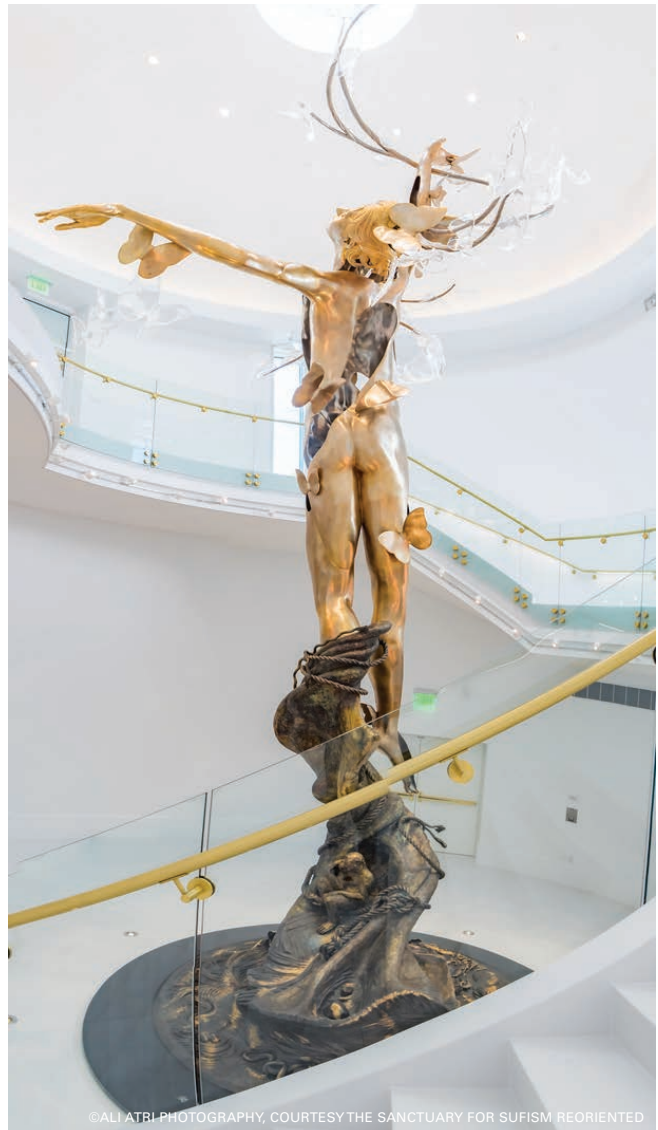
Walnut Creek, California

Structural engineering for the “New Man” sculpture installation located in a high Grand Stair space within a 75,000-square-foot sanctuary of worship. The 38-foot-tall sculpture features the body of a man wrapped in a spiral of vining branches with butterflies.

This unique sculpture presented several structural challenges. With many large and long holes throughout the piece, stress on the bronze was concentrated and created local buckling concerns. A peer review was performed for another engineer’s design of the statue where the bronze thickness was increased to one inch in some places, creating greater strength demands. However, due to the limitations of the fabricator, the bronze could only be 3/8 inches thick. To work within the fabricator parameters and preserve the sculpture’s form, friction pendulum isolators were used to reduce bronze thickness enough to facilitate fabrication of the sculpture. The use of base isolation substantially improved the seismic performance of the piece, providing for a long design life. Analysis was performed using several programs, including NASTRAN.

We also provided structural engineering for the sanctuary which includes 13 domes, the largest of which is eighty feet in diameter. The sanctuary, foyers, library and classroom are above grade and total 19,000 square feet. The concourse level is entirely underground and includes a plaza, rotunda, offices, bookstore, kitchen, studio and other support spaces.

As engineer of record, our façade engineering and forensics groups also provided technical consultation to architects for design and specification of Carrara marble cladding and plaza paving system, in connection with development of the 66,000-square-foot sanctuary and gardens.



Owner
Sufism Reoriented

Sculptor
Patrick Beldio

Fabricator
Mussi Artworks Foundry

Completion date
2015

Total height
38 ft

Services
Structural, façade
engineering; forensics

Optional, Supporting materials

Structural Design, Thornton
Tomasetti

CREATIVE

Ai Weiwei

ARTWORK TITLE

Arch

PROJECT

Public Art Fund 40th Anniversary

CLIENT

Public Art Fund

YEAR

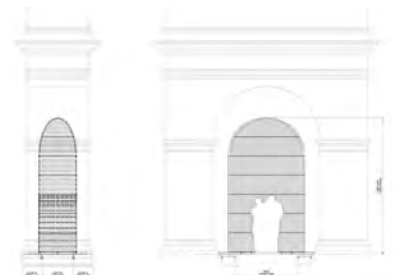
2017

LOCATION

New York City, USA

BUILD

UAP



WORLD EXPO 2020 CENTERPIECE VENUE

Dubai, United Arab Emirates

The first World Expo held in the region, Expo 2020 Dubai will host 190 participating countries and visitors. The full project is composed of two hotel buildings, three office towers and a central basement. As the crown jewel and centerpiece of the Expo masterplan, the Al Wasl Plaza features a dramatic 70-meter tall, 150 diameter gridshell design at its heart, referred to as the “Trellis.”

Thornton Tomasetti provided structural design services to the architects, collaborating closely to develop a structural system that met the stringent aesthetic requirements and was optimized for constructibility.

Unlike traditional diagonalized gridshells, the unique structural framework of the “Trellis” draws inspiration from the event’s iconographic logo as a series of nested and tangent rings that result in a flexurally governed ductile structural system. Each of the steel rings are in-filled with Polytetrafluoroethylene (PTFE) fabric panels that function both as shading for the open plaza and a projection surface for dramatic 360 degree immersive events for Expo attendees and future visitors. Key structural engineering considerations were related to the geometric definition, loading and performance criteria, global stability and imperfections, and the steel fabrication and erection.

Thornton Tomasetti also provided structural engineering services for the hotel and commercial buildings around the plaza. Each of the five structures dramatically cantilever towards the “Trellis” surface, giving occupants dramatic and unique views of the landscaped plaza and projected immersive experience.

Owner

Expo 2020 Dubai

Client / Architect

Adrian Smith + Gordon Gill Architecture

Steel contractor / General contractor

Cimolai Rimond

Completion date

2021

Total area

17,680 m²

Services

Structural engineering



San Diego Zoo, Rex's Roar, the world's largest cantilever bronze animal statue. 27 feet tall and weighing in excess of 18,000 pounds.

San Diego, California



Owner

San Diego Zoo Global Foundation

Client / Fabricator

Artworks Foundry

Completion Date

2018

Total Length

36 ft

Construction Cost

\$1.7 million

Services

Structural Engineering

Awards

Best Projects Award, Cultural / Worship Category, ENR: Engineering News-Record, 2018

Steve Ratchye / Thornton Tomasetti

The San Diego Zoo's origin myth starts with a lion. After hearing a lion's roar amongst the caged animals left over from the 1915-16 Panama-California Exposition's exotic animals exhibition in Balboa Park, Dr. Harry Wegeforth felt inspired and subsequently founded the world-famous zoo. More than a hundred years later, this story has been immortalized with "Rex's Roar," the world's largest cantilever bronze animal statue. Thornton Tomasetti provided structural engineering services for the sculpture's structural steel skeleton and concrete foundation.

At more than 27 feet tall and weighing in excess of 18,000 pounds, Rex's Roar had to be securely positioned for the safety of patrons and zoo visitors. Numerous scale models were scanned and modeled from the original illustration before the final sculpture was created out of 200 bronze pieces welded together. The pieces were first 3D printed to create hollow ceramic-coated wax molds to cast the bronze. The lion was bolted to an 8,000-pound stainless steel skeleton consisting of a supportive spine and ribs, then anchored by a 100,000-pound concrete footing.

Besides the weight and size of the sculpture, San Diego is a highly seismic area, which presented additional challenges. The large bronze sculpture had to withstand large seismic vertical forces and torques, but no off-the-shelf piece of stainless steel of the right strength, stiffness and size fit inside Rex's leg. To solve the problem, a custom heavy tube welded from individual plates was used. Many connections between the stainless steel and bronze helped distribute the load and avoid

over-stressing the 3/16-inch-thick bronze. Additionally, the clip angle connections between the bronze and steel were checked for stresses resulting from differential thermal expansion to ensure that hot days wouldn't affect the structural stability of the sculpture.



GOOGLE BAY VIEW CAMPUS

Mountain View, California

Our innovative approach to the roof design and construction sequencing ensured this corporate headquarters stayed on schedule.

Located in a high-seismic zone, Google's Mountain View corporate campus includes three distinct buildings that feature expressive sweeping canopy roof structures. The canopies are shallow inverted shell structures - which do not achieve their full stiffness until fully erected - which presented challenges to the fast-track schedule. The unconventional canopy structures also required an innovative design approach.

We provided structural design services to BIG, Heatherwick Studio & Adamson Associates and construction engineering services to Whiting-Turner and Schuff for the three-building campus.

Here's how

We worked closely with the entire project team - including client, architects, construction manager and subcontractors - to develop an architecturally expressive roof that is a structurally efficient system and could be quickly, accurately and efficiently built. Performance-Based Seismic Design employing state of the art analysis techniques was used to demonstrate that the structure exceeds code requirements and satisfied the rigors of peer review during permitting whilst maintaining schedule.

Since the roof is effectively a series of large inverted shells it was not feasible to crane the panels into place in one piece. We collaborated with the steel fabricator early in the process and optimized the design to suit the fabricators' workflow, which involved assembling the roof panels on bolsters at low level and strand-jacking them into place. This design proved much more effective than craning sub-assemblies of the canopy into place in their final location. We also provided erection engineering services to the fabricator to devise the jacking methodology and design the shoring, bolsters, temporary jacking anchorages and sliders.

The result

Erecting the roof canopy steelwork at low level and strand-jacking into place proved much more effective than craning elements of the canopy into place in their final location. Careful planning and rigorous attention to detail ensured that the pieces went together quickly on site while meeting steel tolerances.

The biggest single-hoisted assemblies included more than 180,000 square feet of roof structure covering a footprint of nearly 500 feet by 500 feet at its widest spot, setting a western hemisphere record for the largest roof lift by size and number of strand-jacks used at one time.

Owner

Google

Architects

BIG, Heatherwick Studio, Adamson Associates

General contractor

Whiting-Turner

Fabricator and erector

Schuff Steel Co.

Completion date

2022

Construction cost

Confidential

Total area

1.1 million sf

Services

Structural, construction engineering

Awards

Best Project, Specialty Contracting, ENR California's Best Projects, 2019



EXPO 2020, CANADA PAVILION

Dubai, United Arab Emirates

Thornton Tomasetti provided structural engineering and protective design services for a temporary pavilion to showcase Canadian innovation at Expo 2020 in Dubai.

Here's how

The 13,000-square-foot, 60-foot-tall structure is circular in form to provide an interactive winding queue which leads to a central theatre. The structural system comprises steel braced frames and steel deck. The architectural facade is a wind screen formed by timber elements arranged in a lattice geometry that represents the coast-to-coast change in elevation across the country. The pavilion is designed for easy disassembly and removal following the completion of the event.

Owner

Government of Canada

Completion date

2020

Design architect

Moriyama & Teshima
Architects

Total area

13,000 sf

Local architect

U+A

Services

Structural engineering,
protective design

Construction Manager / Client

EllisDon Construction Ltd.



FLOTSAM & JETSAM

Miami, Florida

A large-scale installation designed by SHoP Architects for the 2016 Design Miami exhibition, “Flotsam & Jetsam” received the 2016 Panerai Design Miami Visionary Award and garnered acclaim for breaking the Guinness record as the world’s largest 3D-printed object. The installation served as the gateway to Design Miami 2016 and was later reconstructed as a semi-permanent installation at the Miami Design District’s “Jungle Plaza.”

Branch Technology produced most of the structure using its patented free-form cellular fabrication technique to print a special mix of chopped carbon fiber and ABS plastic. Oak Ridge National Laboratory printed a portion of the installation using polypropylene reinforced with bamboo fibers.

Thornton Tomasetti’s CORE studio engineered the pavilions that composed the structure and, in the process, invented new analysis techniques to quickly evaluate versions of the complex conformal lattice. An effective anisotropic shell-stiffness matrix was found to represent the overall lattice behavior accurately to within 0.1 percent, performing 20 times faster than the complete lattice model. Quick feedback was especially crucial for supporting design decisions to meet production goals.

Architect / Client

SHoP Architects PC

Fabricators

Branch Technology

Oak Ridge National Laboratory (ORNL)

Completion date

2016

Awards

Architizer A+ Award, Pavilion Category, 2017

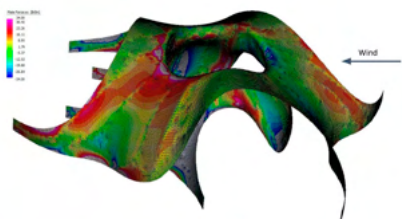


Shell Analysis vs. Full Wireframe Analysis



THORNTON TOMASETTI

Wind



THORNTON TOMASETTI

BROOKFIELD PLACE ENTRY PAVILION

New York, New York

The Brookfield Place Entry Pavilion is the gateway connecting the underground pedestrian passageway from the surrounding transportation hubs to the waterfront retail complex at the renovated World Financial Center.

The new entrance was conceived as a clear glass box with minimal structural supports. As the lead structural engineer for the project, Thornton Tomasetti designed the two 53-foot sculptural steel columns along with the remainder of the steel and concrete superstructure to support the 8,000-square-foot space.

Here's how

The shape of the columns and their placement within the pavilion were influenced by complex site constraints. Located above the new passageway tunnel, an existing train tunnel relieving platform and a former pedestrian bridge pile cap, the supports for the entire structure had to be focused to only two points of contact underground. The site constraints guided the design team toward the idea of two funnel-shaped columns that grow from small footprints at the foundation to support the large roof. The architect's vision for the sculptural columns consisted of continuous pipes woven together in a basket-like fashion. Thornton Tomasetti collaborated closely with the architect and the steel contractor to develop connection details with a seamless finished appearance.

Owner

Brookfield Office Properties

Client / Architect

Pelli Clarke Pelli Architects
Spector Group

Completion date

September 2013

Construction cost

\$40 million

Total area

8,000 sf

Services

Structural engineering

Awards

Excellence in Structural Engineering, Structural Engineers Association of New York, 2014

Merit Award, Office/Retail/Mixed-Use Project, Engineering News-Record New York, 2014

Merit Award, Category \$15 million to \$75 million, American Institute of Steel Construction (AISC) IDEAS2 Award, 2014

Platinum Award in Structural Systems, ACEC New York, 2014



BESS ADLER / THORNTON TOMASETTI



BESS ADLER / THORNTON TOMASETTI



BESS ADLER / THORNTON TOMASETTI

Man with Briefcase

Fort Worth, Texas



Owner / Client

The Burnett Foundation

General Contractor

Thomas S. Byrne, Inc.

Fabricator

La Paloma, Inc.

Completion Date

2002

Services

Structural Engineering

Jonathan Borofsky's newest installation of "Man with Briefcase" rises 50-feet above the granite plaza in Burnett Park, in downtown Fort Worth, and joins his other similar works using the same theme.

Fort Worth "Man" is fabricated from burnished aluminum honeycombed panels. It was shipped to the site in one piece and erected on a concealed concrete pedestal, which was designed to keep him standing in all conditions.

Optional Supporting Material

(Inclusive Design, Humanity Memorial Team)

"Thanks for the timeless Masterpiece!"
Capital DCDG Percent for Art Commission.
NPR Report: A Statue Of Ida B. Wells Is Unveiled At Washington, DC "One Person can make difference..."

Ida B. Wells' GGRanddaughter' Feedback: Thanks for the magnificent work of art, I hope everyone will be inspired by it."



Inclusive



"Shine the Light" Honors civil right icon Ida. B. Wells in Nation's Capital

Shine the Light is the gold
for our country...
because her message of love will
help us put racism behind us"
Sandy Bellamy,
Public Art Manager, DC

"Thanks for the Timeless
Masterpiece"
Capital DSG Percent for Art

Awarded a Pulitzer
Prize posthumously
"[f]or her outstanding
and courageous reporting on
the horrific and vicious
violence against African
Americans during
the era of lynching,"
now a statue honors her
courage in our nation'
Capital

Sculptor Ai Qiu Hopen
visit www.aiqiuopen.com
for more about 'Statue/Poem
honor Ida B. Wells



Interactive



Sustainable

Shine the Light Statue to Ida B. Wells

"The way to right wrongs is to turn
the light of truth upon them"
---Ida B. Wells

Your words are the light of truth
shining across time
your lamp is the fire of hope
shining across time
your undaunted spirit rose up
against lynching
as the north star at the night
shining across time





Unity Arch

unique sustainable hammered
copper, the same copper
Statue of Liberty made of
can complement your stunning
interior and exterior architecture.

Testimony: "The Sculpture exceeded our expectation for quality and beauty" -McKinney Arts commission



February 14, 2020

To Whom It May Concern:



The City of McKinney Arts Commission is pleased to provide this letter of support for the artist Ai Qui Hopen and her team at Humanity Memorial Inc. Ms. Hopen was the successful respondent for a nationwide sculpture RFQ for a sculpture in Mitchell Park in McKinney, Texas. The sculpture was installed in September 2019 and exceeded our expectations for beauty and quality. Ms. Hopen's team was very flexible, working with changing City schedules and priorities, while meeting overall project schedule. Ms. Hopen's team is knowledgeable and worked well with the City's engineering firm to ensure that the piers, base and design of the sculpture met or exceeded all City codes. In addition, the feedback on the sculpture has been overwhelmingly positive. It is a gathering place for all ages to play and take photographs!

In closing, it was a pleasure to work with the Hopens and their team. If you would like to visit our website <https://www.mckinneytexas.org/2044/Mitchell-Park-Sculpture>, you can find on information and pictures of the artwork. If I can be of further assistance, please feel free to contact me at the address or phone number below. My email address is: jtieken@mckinneytexas.org

Sincerely,

A handwritten signature in blue ink that reads "Janay Tiekken".

Janay Tiekken
City of McKinney Arts Commission

Housing and Community Development Department

406 N. Tennessee Street • McKinney, Texas 75069 • 972-547-7572

Letter of recommendation, David Gordon Memorial Project, Washington DC

Dear Art Selection Committee:

It is my pleasure to enthusiastically support Ms. Ai Qiu Hopen's candidacy to become the sculptor for your project. After our oldest son, David, was killed at the age of 7, in an ATV accident, Ms. Hopen created a statue of David and his three siblings. Ms. Hopen and her team installed the statue on a hillside overlooking a pond and woods in our garden. The statue embodies our family's vow to keep David's memory a powerful part of our everyday lives. It portrays one of our favorite memories-the magic of wonder and discovery David experienced exploring J.R. Ding Darling Wildlife Refuge on Sanibel Island with his younger sister, Beverly. The statue, which faces the woods, was also intended to convey the anticipation of setting off an adventure-a metaphor for our wish that David's existence continues in some happy way in an afterlife. In addition, the statues captured the likeness of our children but were quite complex. This may sound like hyperbole, but in a sense they reminded me of Michelangelo's statue of

David in the way they presented different emotional aspects of the children when viewed from different angles. I believe Ms. Hopen would be an excellent fit and produce a highly compelling and emotionally evocative artwork for you. Ms. Hopen infuses scene with energy, hope and love. It is spiritual in the best way, joyous might be the right word, but not denominational. Moreover, Ms. Hopen was upbeat and delightful to work with. She was flexible and highly amenable to feedback. She was a perfectionist in the best sort of way. The statue was installed in our garden efficiently and has aged flawlessly without any maintenance. In summary, I believe Ms. Hopen is highly talented and motivated, has exceptional technical skills and experience as a sculptor and has unique gifts that give her work an auteur, magic, spirituality and compelling presence that is extremely rare, if not unique.



This is so beautiful! we are struck by the resemblance and emotions conveyed. Thank you so much
----Lisa(David' Mother)

David with his twin brothers and his sister, his favorite bird Cardinal fly forward into future. David Gordon, who was killed in a vehicular accident at dusk on July 31, 2004. he was most eight at the time of his death. We remember the joy and happiness in his life as a child in their journey of healing.

2016. David Gordon Portrait Memorial, Washington, DC. David Gordon Memorial Foundation



The Joyous Spirit of David with His Siblings

2016 David Gordon foundation Memorial group 4 life size figures, installed, Washington, DC. David Gordon Memorial "You are Love You are Light" David mother Lisa gifted the title Location: Washington, DC Media: Bronze Dimensions: 1.7 m x 2.9 m x 2 m Price: \$100,000.00

Sincerely and with best regards,

David and Lisa Daniel Author(David G Daniel), *"A Life Twice Given"*



"Millions visitors to our facility have enjoyed their work, it has become a signature piece in the heart island"

Robert G. Horr ,Executive Director, Thousand Islands Bridge Authority.

Three Hart, Thousand Island, Main tourist attraction, Rated as Number one must visit by TripAdvisor,

P.O. BOX 10
LANSDOWNE, ONTARIO
CANADA K0E 1L0

MAIN OFFICE: 43530 INTERSTATE 81
COLLINS LANDING
P.O. BOX 428
ALEXANDRIA BAY, NY 13607
TEL: (315) 482-2501
TEL: (315) 658-2281
FAX: (315) 482-5925
www.tibridge.com
www.boldtcastle.com

ROBERT V.R. BARNARD
CHAIRMAN

MEMBERS
FRANCIS G. GARRETT
MICHELINE DUBÉ
BRUCE ARMSTRONG
NATALIE KINLOCH
JACQUES E. PIGEON
PATRICK J. SIMPSON

ROBERT G. HARR, III
EXECUTIVE DIRECTOR

September 9, 2014

RE: Reference - Ai Qiu Hopen, Hopen Studio Inc.

To Whom It May Concern:

We are pleased to provide this letter of reference for Hopen Studio, Inc. They created a signature Hart Deer sculpture for our Entry Arch at Boldt Castle tourist attraction located in upstate New York. The project was completed in a timely manner and on budget. Hopen Studio exceeded our expectations with regard to quality of work. Millions of visitors to our facility have enjoyed their work and it has become a signature piece of sculpture on Heart Island.

In closing, it was a pleasure to work with the Hopens and when the need arises we will certainly use them again as our rehabilitation of Boldt Castle progresses. If you would like to visit our website you will see an array of photos of Boldt Castle including the Hart Deer sculpture on the Entry Arch at www.boldtcastle.com.

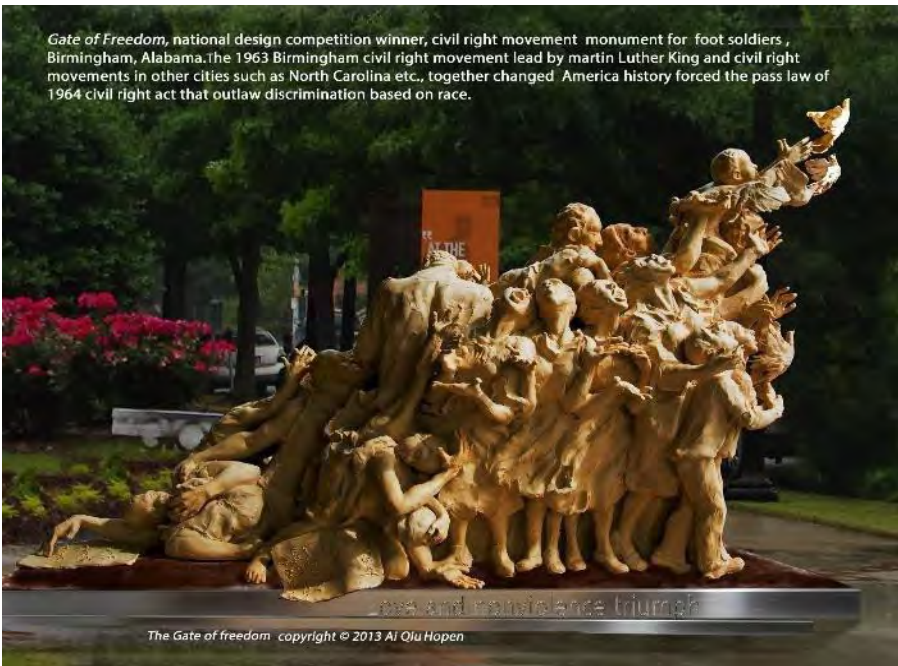
If I can be of further assistance, please feel free to contact me at the above address and telephone number. My email address is roberthorr@tibridge.com.



Sincerely,

Robert G. Horr, III
Executive Director

National Recognitions for Inclusive Design and Civil Right Projects:



Create from Love Built to Heal--- Humanity Memorial Inc

Racial Equity Project Gate of Freedom

2013, our team won an open national competition in the USA for a major civil rights movement monument for foot soldiers, for Kelly Ingram Park, Birmingham, Alabama. The 1963 Birmingham civil rights movement led by Martin Luther King and movements in other cities such as North Carolina etc., together changed America's history, forcing the passage of the 1964 civil rights act that outlawed discrimination based on race. Budget \$525,000

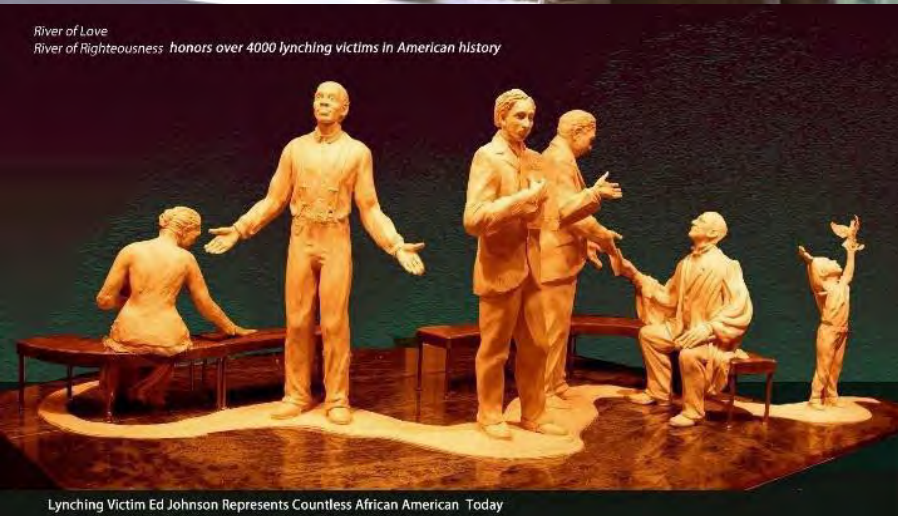


Racial Equity Project "River of Humanity"

In 2012, The 1963

Sit ins monument,

civil rights movement monument for Nashville, Tennessee, finalist National design competition. Budget \$75,000



Racial Equity Project In 2017, River of Love, finalist, anti- Lynching Memorial

an international design competition

Ed Johnson Lynch memorial honoring over 4000 lynching victims. Ed Johnson's last word: "GOD BLESS YOU ALL—I AM INNOCENT"

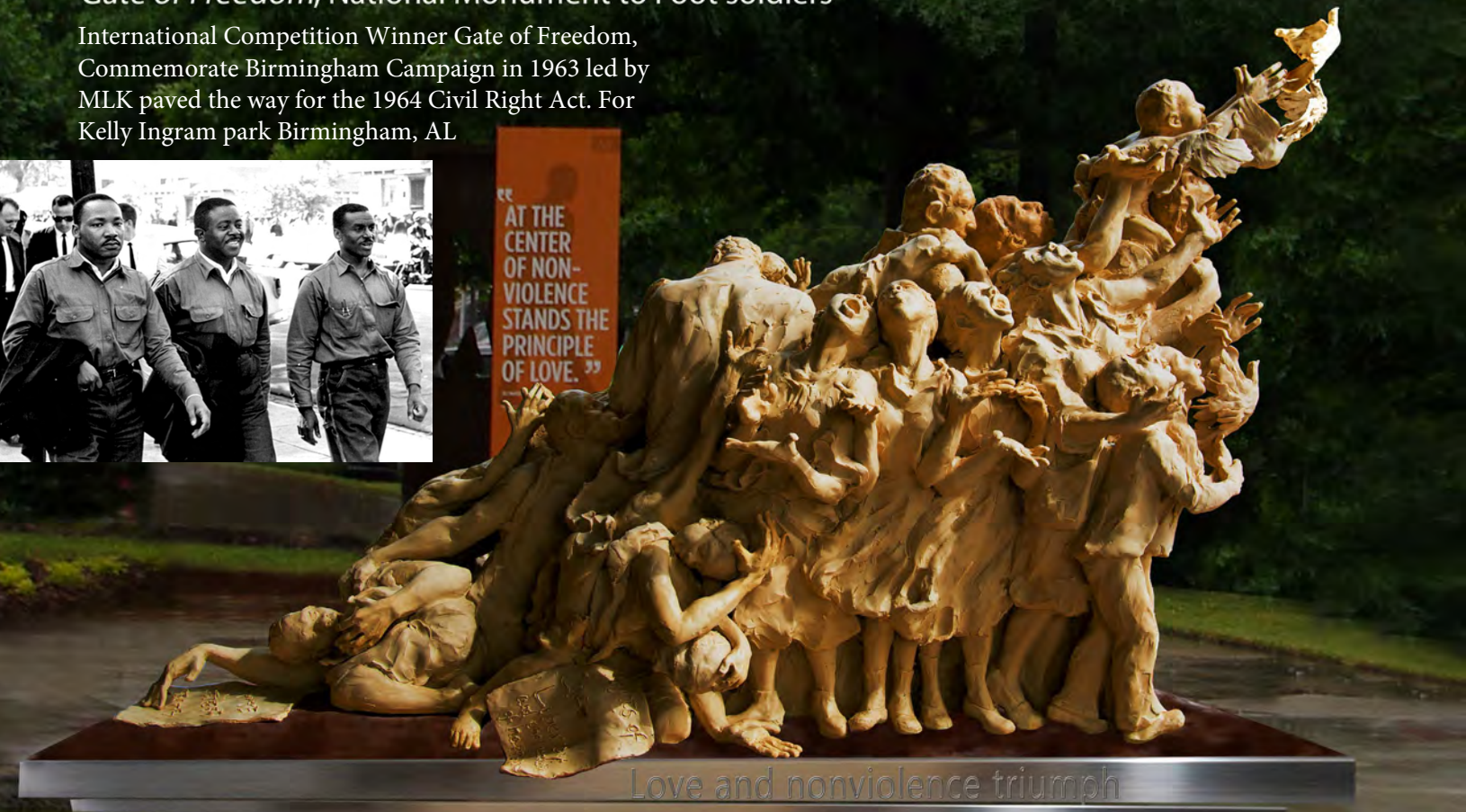
Budget \$400,000

Gate of Freedom, National Monument to Foot soldiers

International Competition Winner Gate of Freedom,
Commemorate Birmingham Campaign in 1963 led by
MLK paved the way for the 1964 Civil Right Act. For
Kelly Ingram park Birmingham, AL



AT THE
CENTER
OF NON-
VIOLENCE
STANDS THE
PRINCIPLE
OF LOVE. 33

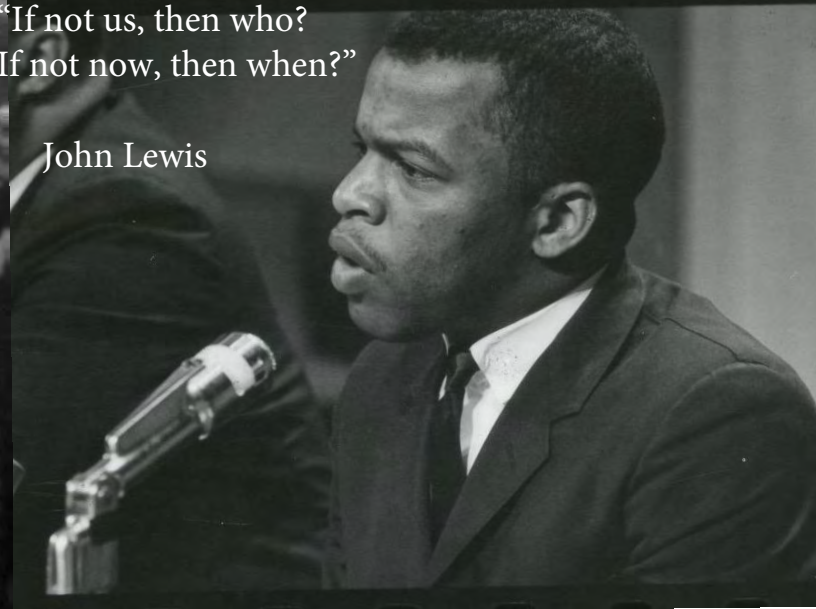


1963 Sit-ins Monument Honor Courage and Powerful Expression of Human Dignity, in their vivid expression of love courage we see we are 'brother at the table of Humanity.' (MLK)



"If not us, then who?
If not now, then when?"

John Lewis





The Power of Embrace

Under the Embrace and Belonging landmark, a gathering space for all age groups, welcomes all. The soaring birds of freedom represent all races, together embracing into unifying symbol of "Belonging", to evoke the essence of who we are, empathy, compassion and community.



"Belonging and Embrace"

As Sankofa birds of returning
seeking the knowledge of past
we unearth the truth recover voices
In order to build a brighter future
so all the voiceless can sing:
we belong to hope
we belong to love
we belong to the future
because we are the hope
we are the love
we are the same
we are the future
we belong

by Humanity Memorial

24 feet Stainless Steel
Everlasting Landmark
Zero Maintenance needed



Immersive Inclusive Interactive: Color, Light, Texture, Symbols
Sound (wind Chimes between embrace symbols if you desire)

Draw pictures of freedom birds (Below)



Example of Dynamic Light at Night. Client Kingston Tennessee Unselfish Service Landmark, 24 FEET



Please watch Dynamic video TT" **BUILT for Community and Safety** <https://vimeo.com/716131950>

**Drive Tourism Advance Economy Add Cultural Benefits for your beautiful city
Our Production Team Record Assure Your Public Safety Beauty Prosperity**

**100 M Martin Luther King Monument, Washington DC
400 Million The Shed landmark, New York Houston Yard**

Unequaled capabilities to assure your projects' success and safety

Built for safety, Thornton Tomasetti landmark Structure Design, engineering, construction

Dear art selection committee,

When you need an iconic structure that's far from ordinary, to drive tourism economy and advance cultural benefit, that's truly special, you need landmarks with message and meaning, and structure design that's special, too. Our production team's process pairs creative inspiration with unequalled analytical capabilities. That's how we help turn visionary ambitions into solid achievements for your ultimate success.

Thornton Tomasetti see Structure design and engineering as an art as well as a science. So we approach our work with a process that's as creative as it is collaborative. We ask questions and listen, we work with you closely throughout our process. We sketch and brainstorm. Engage diverse expertise. Hold charrettes. And use our unmatched technological capabilities to unleash the potential of the best ideas.

We combine imaginative design with cutting-edge modeling and analysis, inventing artful solutions to assure public safety. Our wide-ranging in-house expertise assure you success with world class structure and construction engineering. And we never stop inventing new ways to design and build better with your creative inputs.

As the design evolves, we focus our creativity to devising ways to make your iconic landmarks a true cultural asset for your city development. When our multidisciplinary teams tackle a special theme in design and permanent structure for safety, you get coordinated, integrated results that bring your singular vision to life, represent your innovative, inclusive, forward thing spirit with iconic highest standard Signature art for your community.

Thank you
Ai Qiu



1/2/23 Humanity Memorial team Minority women own firm

Supporting Material, Dynamic Video TT" **BUILT for Community and Safety** <https://vimeo.com/716131950>

● **Humanity Memorial Inc. Team 304 644 1838 (Mobile) 304 765 5611 (Studio) References**

Professional REFERENCES with current contact information

1. Sandy Irle, President Blind Boone Park Renovation Group

Blind Boone Park Renovation Group Email : irle@towersns.net

Project: Bronze John Willian "Blind" Boone, installed in Blind Boone Park

2. Robert G. Horr , Executive Director, Thousand Islands Bridge Authority

Three Hart, Thousand Islands, New York, US Major Tourist Attraction

428

43530 Interstate 81 Alexandria Bay, NY 13607 Email roberthorr@tibridge.com Phone:

315-4822501 Fax: 315-482-6064

Project: Three Hart Deer Sculpture for entry arch at Boldt Castle , Thousand Islands, NY
US Major Tourist Attraction

3. Janay Tieken, City of McKinney Arts Commission

Phone: 972 547 7572

Email: Jtieken@mckinneytexas.org

Project: Unity Arch, Downtown McKinney Texas

4. Douglas Dorner, CCM Douglas Dorner, CCM Project Manager

Capital Construction Services, Department of General Services 1250 U St NW, 3rd Floor

Washington, DC 20009 Mob: 202-809-4532

Email: Doug.Dorner@dc.gov **Project, Washington DC Civil right Icon Ida B. Wells**

Monument, Ida B. Wells Middle School

5. Creation, fabrication and installation, 5 large than life size figures and Bas Reief bronze for the illustrious Benedict college. budget about 1/2 milion.

"Re: Shana Vaughn It would be our pleasure to give you a wonderful reference! The College is blessed to have worked with you. I personally admire your works of art! Thank you!"

Shana M. Vaughn Special Assistant to the President for Events

Benedictine College 1020 N. 2nd Street Atchison, KS 66002

www.benedictine.edu svaughn@benedictine.edu 913.360.7401 office 816.914.4257 mobile

6. David Gorden Memorial

Lisa Lubick

cell phone 703 338-8105

David Daniel

dgdanielmd@gmail.com



EDSA REFERENCES

Projects:

**NSU Business School
NSU University Center
NSU Art Museum
NSU Alvin Sherman**

Nova Southeastern University
Mr. George L. Hanbury
3301 College Avenue
Fort Lauderdale, Florida 33314
T: 954 262 7321
E: hanbury@nova.edu

Nova Southeastern University
Mr. Randy Seneff, Executive Director, Design & Construction
3301 College Avenue
Fort Lauderdale, Florida 33314
T: 954 262 8805
E: rseneff@nova.edu

Project: Bonnet House

Bonnet House Museum & Gardens
Darla Worley Livesay, Director of Development
900 North Birch Road
Fort Lauderdale, FL 33304
darlaworleylivesay@bonnethouse.org
954-653-1557

Project: Norton Museum

Norton Museum of Art
John Backman, Project Director
1451 S. Olive Avenue
West Palm Beach, FL 33401
561-832-5196 x 1164
backmanj@norton.org

Project: Gratigny Plateau Park

Miami-Dade County Parks and Recreation
Edith Torres, Parks Business Development Specialist
275 NW 2nd Street, Suite 548
Miami, FL 33178
etorres@miamidade.gov
305-755-7862

Create From Love Built To Heal---Minority Women Led HUMANITY MEMORIAL TEAM

TRUSTED By DC Percentage Art

"Thanks for the timeless masterpiece!" DC DG Percentage

WASHINGTON DC

We Deliver World Class Structure Enduring Symbol of Peace and Prosperity for You

Water Feature Designer Dan Euser

(9/11 Memorial)

Gate of Freedom, Birmingham AL.

Miami, FL 18 FT

Miami, FL 18FT

Kingston, TN 24 FT

Embrace and Belonging, Burlington, VT

DENNIS POON

World Tallest Towers

Inclusive Design Director Kona Gray, FASLA/EDSA

Structual Designer Dennis Poon Thornton Tomasetti

Team Lead Artist Ai Qiu Hopen

Humanity Memorial Contact Information:

Artist

Ai Qiu Hopen

269 Morrison

Sutton WV 26601

Messageofpeace8@gmail.com

3047655611 (Studio) 304 644 1838 (Mobile)

www.aiqiuhopen.com

Structural Designer

Dennis C. K. Poon, P.E.

Vice Chairman

Thornton Tomasetti

120 Broadway

New York

NY 10271

T: +1.914.815.2860

DPoon@ThorntonTomasetti.com

www.ThorntonTomasetti.com

Diverse cultural Design director

KONA GRAY, FASLA, PLA PRINCIPAL

1512 E. BROWARD BOULEVARD, SUITE 110

FORT LAUDERDALE, FLORIDA 33301

USA T: 954.524.3330 |

M: 954.562.4531 www.edsaplan.com

Letter of Interest:

Enduring Signature Art and Remarkable Community Engagement

Dear Art Selection committee,

We will create emotional everlasting cultural asset with you to bring peace and prosperity, marks the milestone of your successes.

SAFETY: Our World Class Structure Assures Public Safety and Prosperity, Not Weak Structures Becomes Public safety Hazards

A World class Structure with Dignity and Quality: Our team stand apart from the rest by creating with world renown structural design team TT, TT' profile includes Martin Luther King Memorial in national Mall, to assure your project ultimate success and public safety. Sustainable climate smart art, everlasting structure as Statue of Liberty: Antibacterial Copper and stainless steel as the same copper as Statue of Liberty. Zero maintenance needed, withstand extreme weather and aggressive vandalism, best for your climate.

Impactful Emotional Art to be Remembered not Eye Candy Art to be forgotten

Our dynamic unifying water shaped landmark with world class structure will represent the soul of community with dignity and hope, with emotional meaning that uplift all of us in our challenging time, instead of a mere eye candy that to be forgotten or a safety hazard that potentially can hurt visitors with weak structure, causing perpetrate lawsuits and economy damage to the city and park .

We will create cohesive design to delight all the movement, light and colors evoking our love for nature and one and another, **Honoring Your Unique History and Culture:** reflecting the multi-layered history, and **highlighting its milestone success for unity, celebrate inclusive spirit of your community and honor your leadership for sustainability with sustainable art.**

We can build last family memories and life long love for unity, nature and community through emotional sculptures:

(Image right, bottom, work example for references not a proposal): We will create dynamic nature inspired landmarks to speak the simple and profound truth that we are part of each other, we are part of the earth and water that sustain us, unify us, teach us that we belong. In this immersive art experiences, where we can touch(texture) we can see rich colors, and we can hear wind chimes between flowing nature shaped sculptures(as options), where we can build last family memories and lifelong love for nature, peace, art, and one another, unified by enduring symbol of unity.

Trusted with Record of Success

for Communities' Economic Development and Cultural Benefits Across United States:

I am very grateful as a minority woman, a Chinese American artist grown up in straw house and dirt floor in rural village in China, now work fulltime as US public art sculptor, has the opportunity to compete as an artist for the world class City. Because our art deeply engages the visitors emotionally, intellectually, spiritually, we have been commissioned by New York State and Park and recreation, Washington Dc Public art commission, Florida Sunrise, Miami, Jacksonville Public art commissions and California community center commission etc. for important landmarks representing unique tight knit communities like yours, we depend on each other for emotional well being with sense of security, peace and hope that create community and prosperity. Most recently, our team Humanity Memorial awarded 1 Million Dollar commission to build American beloved icon the Majestic Buffalo for New York State Harbor park honoring the resilient spirit of Buffalo city after 2022 racist shooting killed 10 innocent black. Our art engages public with universal values for peace, love and human dignity, evoke love, empathy and compassion we urgently need in our time to rebuild community, our landmark in Thousand Island new York(Rated as No. 1 Attraction by TripAdvisor) welcome millions each year. Our experiences and passion to serve vibrant communities like yours prepared us to create iconic art series for you, to represent the unique identity of your community for the world class SALT LAKE CITY.

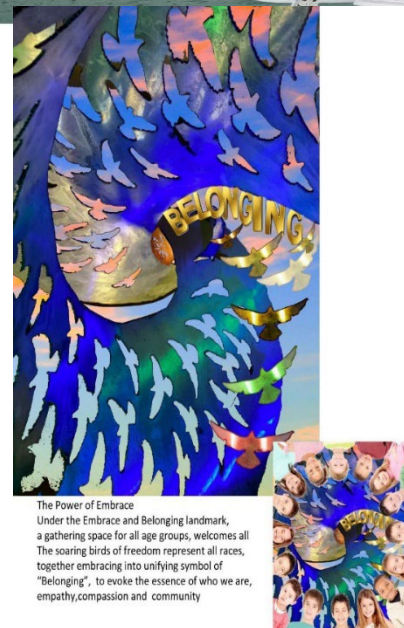
Community Led design process will Actives Creative Spirit in Each of YOU: We will set up workshops invite everyone to be apart of the creative process and **feel sense of belonging and hope in our challenging time.** Successful example: "Hopen...were a unanimous pick." "The selection committee was especially impressed with the research she conducted on the project. "She did her research and incorporated the theme of the call using special phrases cut into the artwork."----Coeur d'Alene Press. Arts commissioner"--- Priscilla Bell. 24 FT,9/22/2022, beautiful tourist city Coeur d'Alene ID.

Embraced by young generations, our future: The committee selected Humanity Memorial because the design so simply expressed the essence of the project through its symbolism and beauty. Ai Qui's sensitivity to multi-generational interaction with artwork was also a factor, as well as her team's strong track record completing successful, similarly-motivated public art projects across the US."

Trusted with highest standard: "Thanks for timeless masterpiece!"---Capital City DCDG Percentage Art Committee.

Please visit website for more records of successful community led installations : www.aiquihopen.com

Please see examples of remarkable creative inputs from community engagement:



The Power of Embrace
Under the Embrace and Belonging landmark,
a gathering space for all age groups, welcomes all
The soaring birds of freedom represent all races,
together embracing into unifying symbol of
"Belonging", to evoke the essence of who we are,
empathy, compassion and community



Remarkable Inputs from Community Engagement: We designate our team member Kona Gray, FASLA, designer, artist and writer, our team' diverse cultural design director, who will be prime facilitator leading our team for the community engagement. Kona and our team have the experience and capacity to do so. Please see examples of our team' Educational Programming and community engagement. **Community inputs is essential for the success of our signature art. We will set up workshop in your community.**

Example 1): 33 Feet Cincinnati Ohio MLK Memorial, Embody Emotion National Competition Finalist, Budget 1 Million USD

"We will honor the life, teachings, aspirations and legacy of the civil rights icon" We listen to community' need to honoring MLK' letters, Besides a large, compelling and sensitive portrait of Martin Luther King, we are preserving his words, his thoughts, written indelibly, by cutting them into metal, words that need to be etched into the minds of generation to come, because his words have become a part of American thought, and the vocabulary of freedom. "incorporate community input into their design proposal," "create a unique creative memorial that has a Cincinnati identity, with a special connection to Cincinnati's that makes it our memorial to MLK" We visit site personally and meet Avalon resident, her comments to us during our site visit in Cincinnati Ohio: "Make a memorial space that is educational and meditational" "and, water....I think it should have water" See the above answer, Also we choose to make garden space with little hard paving, mostly water, and lawn, and plantings, seating and shade, sheltered from street noise..so it is a quiet space filled with the sound of trickling water..."meditational" and you will read King's word's, "educational", one will drink in his legacy of thought.



Example 2) 16 Feet landmark Unity Arch Community Engagement is Key for our success (photo, left) Unity Arch. "Our original maquette was attractive to the committee, but they asked if we could make an arch instead, rising from two trees," Hopen told The Monumentous. "Incorporating an idea from elsewhere can mean letting go of your ego, but we recognized that the arch was a great idea and would make the work better." It evolve the gateway arch more than we could have imagined and he committee was very pleased with the redesign."



Example 3) 24 Feet Embrace and Belonging, Direct inputs gathered through writing and notes, 24 feet Burlington Vermont Landmark 12/16/22(photos below): We gathered as much information as possible from workshops, they speak to our team with creative inputs such as the flow of the lines and more birds of diversity, they wrote notes of suggestions etc. **Our unique work process inviting your inputs to assure your ultimate success:** We will set up workshop in your community, invite ever to give creative inputs, we will also integrated unique colors suggestions from a twitter length notes, and incorporate hand prints into design etc..



Our unique hand on creating process hammering copper and shaping forms allowing direct hand on engaging experience, **we can also cast hand prints and historic story/poetry into our design etc. with your thoughts, text and visions.** (Photos, Burlington Vermont Community Engagement in workshop and Integrated Academy Students' work as remarkable inspirations for 24 Feet Landmark "Belonging'). Please trust us to create with you for you.



CEO/Sculptor, Ai Qiu Hopen, 2/12/22, Certificated Minority Women Owned, Humanity Memorial Team

ai qiu hopen



● **Humanity Memorial Inc. Team 304 644 1838 (Mobile) 304 765 5611 (Studio) References**

Professional REFERENCES with current contact information

1. Sandy Irle, President Blind Boone Park Renovation Group

Blind Boone Park Renovation Group Email : irle@towersns.net

Project: Bronze John Willian "Blind" Boone, installed in Blind Boone Park

2. Robert G. Horr , Executive Director, Thousand Islands Bridge Authority

Three Hart, Thousand Islands, New York, US Major Tourist Attraction

428

43530 Interstate 81 Alexandria Bay, NY 13607 Email roberthorr@tibridge.com Phone:

315-4822501 Fax: 315-482-6064

Project: Three Hart Deer Sculpture for entry arch at Boldt Castle , Thousand Islands, NY
US Major Tourist Attraction

3. Janay Tieken, City of McKinney Arts Commission

Phone: 972 547 7572

Email: Jtieken@mckinneytexas.org

Project: Unity Arch, Downtown McKinney Texas

4. Douglas Dorner, CCM Douglas Dorner, CCM Project Manager

Capital Construction Services, Department of General Services 1250 U St NW, 3rd Floor

Washington, DC 20009 Mob: 202-809-4532

Email: Doug.Dorner@dc.gov **Project, Washington DC Civil right Icon Ida B. Wells**

Monument, Ida B. Wells Middle School

5. Creation, fabrication and installation, 5 large than life size figures and Bas Relief bronze for the illustrious Benedict college. budget about 1/2 milion.

"Re: Shana Vaughn It would be our pleasure to give you a wonderful reference! The College is blessed to have worked with you. I personally admire your works of art! Thank you!"

Shana M. Vaughn Special Assistant to the President for Events

Benedictine College 1020 N. 2nd Street Atchison, KS 66002

www.benedictine.edu svaughn@benedictine.edu 913.360.7401 office 816.914.4257 mobile

6. David Gorden Memorial

Lisa Lubick

cell phone 703 338-8105

David Daniel

dgdanielmd@gmail.com



EDSA REFERENCES

Projects:

NSU Business School
NSU University Center
NSU Art Museum
NSU Alvin Sherman

Nova Southeastern University
Mr. George L. Hanbury
3301 College Avenue
Fort Lauderdale, Florida 33314
T: 954 262 7321
E: hanbury@nova.edu

Nova Southeastern University
Mr. Randy Seneff, Executive Director, Design & Construction
3301 College Avenue
Fort Lauderdale, Florida 33314
T: 954 262 8805
E: rseneff@nova.edu

Project: Bonnet House

Bonnet House Museum & Gardens
Darla Worley Livesay, Director of Development
900 North Birch Road
Fort Lauderdale, FL 33304
darlaworleylivesay@bonnethouse.org
954-653-1557

Project: Norton Museum

Norton Museum of Art
John Backman, Project Director
1451 S. Olive Avenue
West Palm Beach, FL 33401
561-832-5196 x 1164
backmanj@norton.org

Project: Gratigny Plateau Park

Miami-Dade County Parks and Recreation
Edith Torres, Parks Business Development Specialist
275 NW 2nd Street, Suite 548
Miami, FL 33178
etorres@miamidade.gov
305-755-7862

Humanity Memorial Portfolio

01 US Attraction "Art Walking" Trail, Unity Arch Sculpture at Dr. Glenn Mitchell Park in Historic downtown McKinney, Texas



Image_01 **Unity Arch**, Head Sculpture for Downtown MCKinney Cultural Trail "Art Walk", Unifying entire community with symbols of Hope and Unity, Uplifting all with movement of Light and Colors

Highest Honor, Loved by Children. "Unity Arch", Mckinney Texas, United States, The Best Place to Live By US Money Magazine



Humanity Memorial Portfolio

01 US Attraction "Art Walking" Trail, Unity Arch Sculpture at Dr. Glenn Mitchell Park in Historic downtown McKinney, Texas

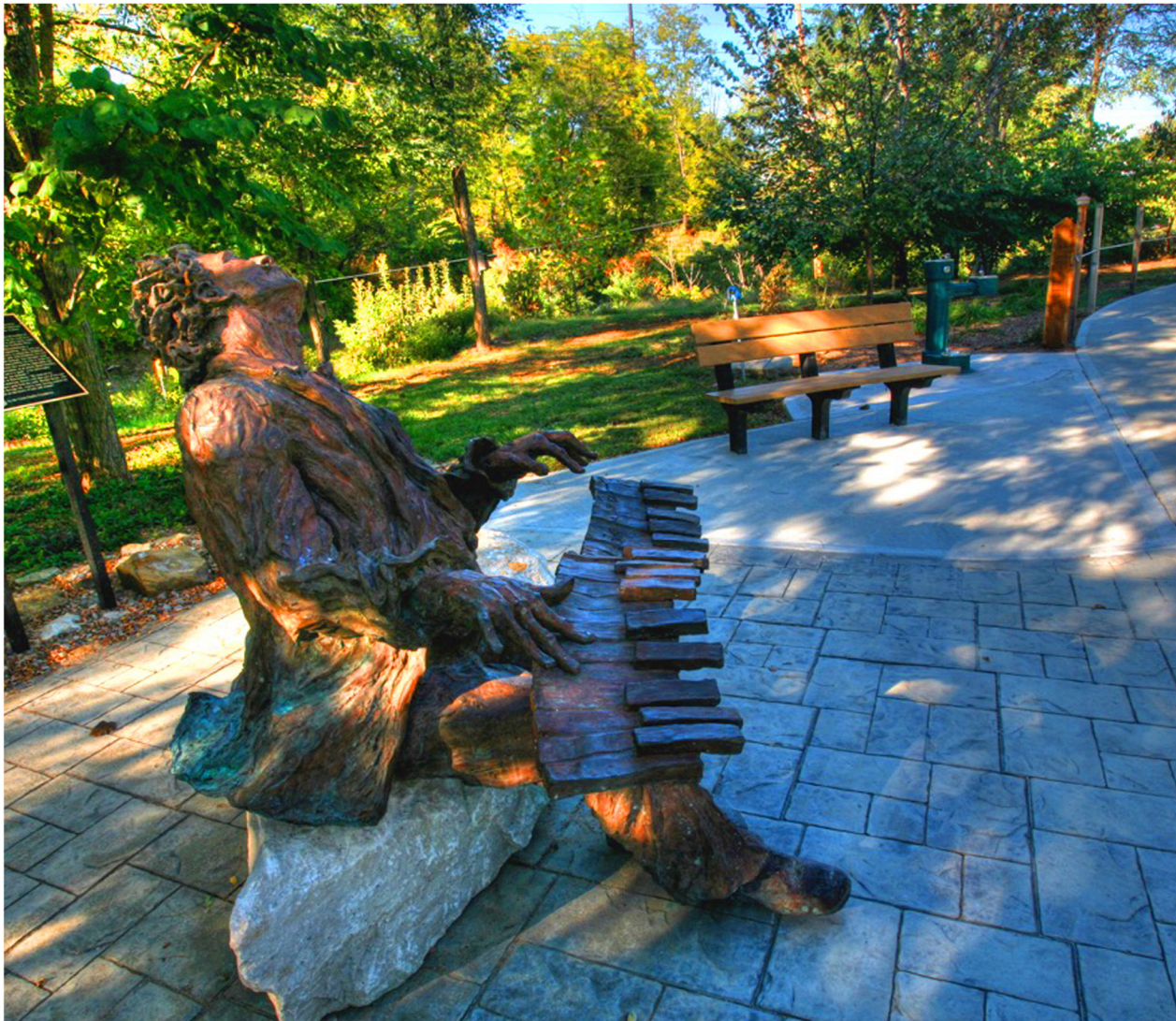


03 Main Tourist Attraction Bolt Castle Thousand Island, between US /Canada Border.



Three Hart, US tourist attraction Medium: bronze, copper Dimensions: 11'x 12'x 10' Price:\$100000.00 Year Completed: 2001 Location: New York rated as No.1 must visit in TripAdvisor. "Millions visitors to our facility have enjoyed their art, it has become a signature in the heart islands." ---Client, Thousand Islands Bridge Authority.

04 Song of Diversity, Blind Boon Ragtime Musician US Heritage Site Former Segregated Park Now Built to Celebrate Diversity



Ragtime musician J. W. Blind Boone Medium: bronze Dimensions: 1.7 x 1.6 x 1.6 Price: \$75000.00
Year Completed: 2003 Location: Warrensburg, Mo. Celebrating community by welcoming all
children to gather and play in renewed park that was originally built during segregation for the
black community. 1.25x lifesize , Blind Boone Memorial Park Humanity Memorial Inc.

05 You are Love You are Light

"Ms. Hopen infuses scenes with hope and love. Ms was upbeat and delightful to work with. "---David, Gordon Foundation, Washington DC . Our experience creating art reflecting children' beautiful imagination and their love for nature will serve your project well. 2016, Installation, Washington DC, USA



**Title: You are Love You are Light tells the story of adventure and journey. Year 2011 Location Washington DC
Dimension 1.7 m x 2.9 m x 2 m Price \$100000.00 Material Bronze.copper**

Review: "Ms. Hopen infuses scenes with hope and love. Ms was upbeat and delightful to work with. She was flexible and highly amenable to feedback. The statue has aged flawlessly without any maintenance. I believe Hopen is highly talented and motivated, has exceptional technical skills and experience as a sculptor and has unique gifts that give her work an auteur, magic, and compelling presence that is extremely rare, if not unique."

06 Wedding at Cana. Story Comes Alive With Enduring Symbol of Love and Warm welcoming colors, Engaging Storytelling Art can effectively active your space.



Our Art tells a story for every unique space. Wedding at Cana. Medium: bronze Dimensions: 2 m x 16 m x 8 m
Project budget: \$600,000.00 Year Completed: 2011 Location: Wichita, Kansas. Eight life size bronze figures,
Our artworks respect the aesthetic value of your landscape, will add beauty and value to your beautiful landscape.
Maintenance free, museum quality bronze and copper. Indestructible, Interactive, warm welcoming, joyous in spirit.

07 Art Honor Peace, Diversity, and Environment

2013 Nobel Peace Prize Winner, Wangari Mathaai



2013 Nobel Peace Prize Winner, Wangari Mathaai, 6ft portrait bronze, \$65,000.

Copper Tree and doves honors her lifework contributed for our environment, democracy and peace. St Scholastica plaza, Benedictine University, Atchison, Kansas

08 Shine the Light Civil Right Icon Ida B. Wells

"Thanks for the Timeless Masterpiece"--- US Capital Public Art DCDG Percentage Art

Suffragist, Civil Right Icon "Thank you for the Timeless Masterpiece--- Capital City DSG Percent for Art
"Shine the Light" Statue to Ida B. Wells



Washington DC Civil Right Icon Ida B Well.Shine the Light, Symbol of Hope and inclusion.
Bronze Ida Portrait, copper book. Dimensions: 7' x 12' x 5' Price: \$50000.00 Completed:
2021. Location: DC Ida B. Wells Middle School. Interactive. Unity Seating.

09 Wings of Love, Monument to Peace and Unity.

24 FEET Gateway Landmark marks the main entrance to the tourist city Coeur d'Alene, ID, USA Budget \$75,000 Interactive, Everlasting, Sustainable Copper and Steel

"This art dedicated to Peace and Unity is
remarkable addition to our city
Arts commissioner"--- Priscilla Bell

Scale: 24 FEET

Sustainable
Inclusive
Interactive
Iconic
Tells Unique Story
of our community



Monument to Peace and Unity 24 FEET Monu9/22/2022 Coeur d'Alene ID

10 Wings of Love, Monument to Peace and Unity. Students' Interaction with the artwork

"I really love your art and your speech" "I love the wings of peace and unity." "I like to walk through the art, sit on the copper benches and look up to see the spiral " "There is a circle of birds on the top" "Your speech is very loud, but I like it. I like to hug the peace ribbons"

The Best Feedbacks, Students from Coeur d'Alene Art Academy



Hopen_Image_10 Monument to Peace and Unity. 24 FEET 2022 Coeur d'Alene ID Budget \$75,000

Material Steel and copper

"This art dedicated to Peace and Unity is remarkable addition to our city Public Art collection" Arts commissioner"--- Priscilla Bell

"Hopen...were a unanimous pick. The selection committee was especially impressed with the research she conducted on the project, and the extremely professional manner of her presentation, She did her research and incorporated the theme of the call using special phrases cut into the artwork."

Children' precious expression when interacts with the art was the highlight of the Monument to Peace and Unity. Humanity Memorial creates signature art with sustainable,safe materials and world class structure to tell your unique story, to honor your vision, story, history, memory and aspiration for your future for your beautiful community. Please trust us to create with you, you will be delighted with our inclusive design resonating and unifying all cultural backgrounds for your beautiful city.

Our team top priority for safety and sustainability set us apart from others, we create and consult with reputed structural designer Dennis Poon (from Thornton Tomasetti)from concept to installation, their team' profile include Martin Luther King memorial in national mall DC and landmarks in Huston yard, NY.