



**TORRE DESIGN
CONSORTIUM, LTD**
A PROFESSIONAL CORPORATION

Torre Design Consortium Ltd. is proud to announce Ace Torre's elevation to the American Institute of Architect's (AIA) College of Fellows.

Out of a total AIA membership of over 90,000, there are just over 3,400 distinguished with the honor of fellowship (a mere 3% of total members). The elevation to fellowship is conferred on architects with at least 10 years of membership in the AIA in one or more of several nomination categories. These categories include: promoting the aesthetic, scientific, and practical efficiency of the profession; advancing the science and art of planning and building by advancing the standards of architectural education, training and practice; and coordinating the building industry and the profession of architecture through leadership in the AIA or other related professional organizations.

With this honor, in conjunction with his previous elevation to the American Society of Landscape Architects' (ASLA) College of Fellows in 1992, Ace Torre makes history as the only professional to achieve fellowship in both organizations in Louisiana. In addition to these honors, he remains the only native Louisianan to win the Rome Prize in Landscape Architecture.

Torre Design Consortium Ltd. is beyond proud to receive this honor and remains dedicated to producing this caliber of work in all future projects





L. Azeo Torre, FAIA
Torre Design Consortium, Ltd.
5005 Magazine Street
New Orleans, LA 70115

January 27, 2017

The American Institute of Architects

1735 New York Avenue NW
Washington, DC 20006

(800) 242 3837

www.aia.org

Dear Mr. Torre,

Congratulations! It is our sincere pleasure to inform you that you have been elected to The College of Fellows of The American Institute of Architects. The Jury of Fellows selected you for elevation to Fellowship in the Institute because of your notable contributions to the advancement of the profession of architecture.

You will receive your Fellowship medal during the Investiture of Fellows Ceremony at the AIA Conference on Architecture 2017 in Orlando. The Investiture Ceremony will be held at 4:00 p.m. on Friday, April 28, 2017. While we know the location is Phillips Auditorium at the Dr. Phillips Center for the Performing Arts in Orlando, other Investiture details will be forwarded to you from the College of Fellows staff as they become finalized.

The national AIA staff is preparing a press release that can be used by your component in its public relations efforts to notify the local media of your recognition. Questions about the press coverage should be directed to your local component.

On behalf of the AIA Board of Directors, the College of Fellows, and the Jury of Fellows, we welcome you into this most distinguished group of members. We look forward to seeing you at AIA Conference on Architecture 2017 in Orlando.

With best wishes,

A handwritten signature in black ink, appearing to read "Bruce W. Sekanick".

Bruce W. Sekanick, FAIA
Secretary, AIA Board of Directors

A handwritten signature in black ink, appearing to read "Lenore M. Lucey".

Lenore M. Lucey, FAIA
Chancellor, College of Fellows

Copies: Angela O'Byrne, FAIA

1 SUMMARY OF ACHIEVEMENTS

OBJECT 2 - PRACTICE
(TECHNICAL ADVANCEMENT)

ACE TORRE, AIA



Surrounded by his plans and sketches, Ace begins the master plan design for Zoo Atlanta, Georgia. Ace's illustrations are the basis of all design in the office, and are displayed throughout this document.

A prolific designer of zoos and aquariums, Ace Torre combines architecture, urban design, landscape architecture, and illustration to immerse and educate millions, save endangered species, and create advocacy for the world's global conservation agenda.

Ace Torre has planned and designed 47 major zoo and aquarium projects – in some cases executing master plans over decades – and become a leader in the field. He is educated, licensed, and experienced in architecture, urban design, landscape architecture, and interior design – all of which are essential to successful zoo and aquarium design.

His total-immersion experiences have delighted and educated literally millions of zoo and aquarium visitors at the same time that they reinforce messages about the living world's interconnectedness. Ace has recreated nearly every continent, ocean, and climate from the deserts to the rainforests. His authentic animal habitats integrate architecturally accurate indigenous buildings. His trademark is related museum-quality educational displays that include the iconography, art, and architecture of the featured regions.

Behind the scenes, however, is the real magic. To safeguard these wild creatures, some endangered species, Ace incorporates commodious spaces with the latest building technology for humane animal maintenance, safety, and breeding – as well as related research and medical facilities. Plus, zoos and aquariums are in effect large-scale attractions that Ace designs for similarly “invisible” support like grounds keeping, food service, waste management, and crowd control.

Ace is vigilant about the physical, economic, and cultural sustainability of zoos and aquariums. His Zoo Atlanta reptile exhibit earned LEED Gold, a first for zoos globally. He has made possible year-round exhibits and integrated profitable private-event features. His frequent presentations before trustees, government, and other funding sources inspire investment.

Ace has presented advancements in zoo and aquarium design at 20 major conferences, including two international meetings of the World Association of Zoos & Aquariums (WAZA) plus national AIA, American Society of Landscape Architects (ASLA), and the Association of Zoos & Aquariums (AZA).

Still also working as an urban designer, Ace considers zoos to be a special kind of city with various attendant opportunities and challenges. In brief, he started the urban design group within the New Orleans City Planning Commission; used his Rome Prize to travel and study the urban design of ancient and modern cities; in private practice, revitalized New Orleans' riverfront, Jackson Square, Canal Street, and the Vieux Carré, and Tampa's 5-mile-long Bayshore Boulevard; he authored two how-to books, *Waterfront Development* and *Site Perspectives* about his tilt-up drawing technique, and he taught urban design at his alma mater, Louisiana State University, and Tulane University.

Ace has always advocated multi-discipline training. For 20 years, he has funded four Torre Scholarships a year to encourage cross-disciplinary exploration at LSU. For a decade, he participated in the LSU Dean's Circle advisory group to reinforce its full-spectrum-design philosophy.

In 2006, LSU honored Ace as a Distinguished Alumnus for his vision and his “leadership in advancing the design professions.” Ace's achievements have been further recognized by ASLA Fellowship, covers of ASLA's *Landscape Architecture Magazine*, and 160 design awards.

2 ACCOMPLISHMENTS

ACE TORRE, AIA

2.1 SIGNIFICANT WORK 1980 - 2016, pp. 5-11

2.1.1 - Architecture & Urban Design, pp. 5-7

2.1.2 - Zoo & Aquarium Design, pp. 8-11

2.2 AWARDS, HONORS & RECOGNITION, pp. 12-15

2.2.1 - Awards, pp. 12-13

2.2.2 - Honors, p. 14

2.2.3 - Competitions, p. 14

2.2.4 - Articles, pp. 14-15

2.2.5 - Juries, p. 15

2.2.6 - Lectures, p. 15

2.2.7 - Television, p. 15

2.3 SIGNIFICANT PUBLICATIONS, p. 16

Zoo Atlanta Master Plan design tilt-up (see exhibit 3.2, page 20).
This illustration and all other illustrations in this document by Ace Torre, AIA.

2.1 SIGNIFICANT WORK

Architecture & Urban Design

ACE TORRE, AIA



Canal Street Urban Design
New Orleans, LA / 2005
Principal in Charge & Designer

\$17 million renovation of New Orleans' historic main street, including the reinstatement of the historic streetcar, this project has brought life and economic success back to this once vitality-diminished corridor.



Piazza d' Italia Renovations
New Orleans, LA / 2016
Principal in Charge & Designer

The careful renovation of Charles Moore's masterpiece will bring back the post-modernist urban plaza and fountain to its original design intent while updating its functioning elements to current technologies.



Costa Smeralda Resort
Sardegna, Italy / 1974-1976
Design Consultant to the
Consorzio Costa Smeralda

The design of this Porto Cervo Marina and Yacht Club for the Costa Smeralda resort on the island of Sardegnna has allowed it to become one of the most desired destinations in the Mediterranean, including for the Louis Vuitton Cup sailboat race.



Festival Grounds Complex, City Park
New Orleans, LA / 2013
Principal in Charge & Designer

The 54 acre festival complex is located within the 1,300 acre City Park, and has become a center for concerts and special events. The Reunion Pavilion is completely solar powered, and provides more power to the grid than it consumes.



University Medical Center
New Orleans, LA / 2015
Principal in Charge & Designer

Torre Design Consortium, Ltd. was the urban designer and landscape architect to the \$1 billion medical complex led by the joint venture of NBBJ and Blich/Knevel Architects. The design sought to create a layout of courtyards and fountains, using the unique New Orleans vernacular.



Jefferson Parish Forensic Center
New Orleans, LA / 1997
Principal in Charge & Designer

This facility is comprised of forensic labs, education center, health and psychiatric services. The \$10 million facility has created an entirely new level of forensic technology for the Jefferson Coroner's office, resulting in the success of many solved cases.



Pelican Landing Conference Center
Moss Point, MS / 2002
Principal in Charge & Designer

Moss Point, Mississippi is a small city of 30,000 which needed a facility for special events. The 15,000 s.f., green and sustainable building overlooks the Escatawpa River with spectacular views. It became the FEMA operations center after Hurricane Katrina's devastation, as it survived virtually undamaged.



Jackson Square Renovations
New Orleans, LA / 1980
Project Designer

Renovation to the historic Jackson Square area involved turning streets into pedestrian walks, iconic custom designed light fixtures and benches and flagstone paving, fitting seamlessly into the 300 year old setting, yet serving locals and tourists alike in a contemporary context.

2.1 SIGNIFICANT WORK

Architecture & Urban Design

ACE TORRE, AIA



Southbank Riverfront Development
Jacksonville, FL / 1988
Principal in Charge & Designer

This riverfront pedestrian project brought life and activity to the underutilized southbank of the St. John's River in Jacksonville, Florida. The \$9 million, 1.1 mile long complex of boardwalks led to the creation of restaurants, marina, condominiums and aquarium complex, with a unique focus on the city's culture.



Bayshore Blvd. Waterfront Development
Tampa, FL / 1988
Principal in Charge & Designer

5.5 miles in length, the panorama for Bayshore Blvd. to Tampa Bay is breathtaking. The \$40 million project included renovation of the historic balustrade, new walks and landscape, all new marina and facilities to allow the Gasparilla events to work more effectively.



Lake Vista House
New Orleans, LA / 1994
Principal in Charge & Designer

Located near Lake Pontchartrain, this modernist house was designed around a great Oak tree with plentiful glass linking interior with exterior spaces, allowing the residents to connect with nature.



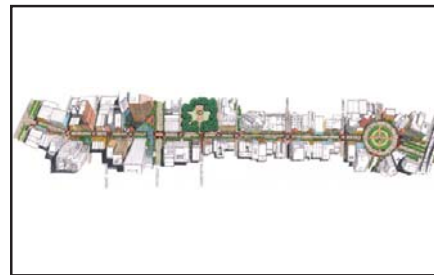
TDCL Historic Office
New Orleans, LA / 1987
Principal in Charge & Designer

This 127 year old building, originally a residence and later a school for challenged children, was re-purposed into the offices of Torre Design Consortium, Ltd. in 1987, and still houses the center of design and operations to this day. Its initial renovation started the renaissance of uptown Magazine Street.



Woldenberg Riverfront Park
New Orleans, LA / 1991
Principal in Charge & Designer

Located atop what was once wharf aprons and designed with special lightweight soil, the 2 mile long waterfront park links contemporary New Orleans of Canal Street to the historic center of the city 300 years ago, Jackson Square. Millions enjoy the riverfront park annually as the park provides for many events.



St. Charles St. Urban Design
New Orleans, LA / 1983
Principal in Charge & Designer

Formerly the "skid row" area of New Orleans, the design was won through a competition using the first "tilt-up" created by Ace Torre. The resulting \$10 million urban design project has led to over \$400 million in private investment and development, making it one of the most successful corridors in the city.



National Park Service Armstrong Park & Jazz Center
New Orleans, LA / 1980
Principal in Charge & Urban Designer with Robin Riley, Architect

Part of a multi-park complex managed by the National Park Service, the park is a center of jazz history, featuring the house of Louis Armstrong, as well as fountains, bridges and event centers, all supporting the city's music and art.



Duncan Plaza - NEA Sculpture
National Competition
New Orleans, LA / 1981
with Robert Irwin, Sculptor

A wedding of architecture, landscape architecture and sculpture - the competition design would yield the largest aviary in the world as a piece of urban sculpture. The complete winning scheme was never built.

2.1 SIGNIFICANT WORK

Architecture, Urban Design & Environmental Design

ACE TORRE, AIA



Bayou Segnette State Park
Westwego, LA / 1989
Principal in Charge & Designer

With a design intent of primary access to Louisiana's swamps and marshes for the average person, this 789 acre facility remains the number one attended State park in the entire state of Louisiana, providing in-situ environmental experiences.



Harrison Avenue Urban Design
New Orleans, LA / 2015
Principal in Charge & Designer

The \$8 million renovation to Harrison Avenue, Lakeview neighborhood's mainstreet, included brick paving pedestrian crosswalks, LED lighting and Live Oaks. New restaurants and shops have opened and prospered as a result of this new urban center image.



Louisiana State University - Mike the Tiger Exhibit
Baton Rouge, LA / 2005
Principal in Charge & Designer

One of the last universities willing to care for a large mascot, the habitat comprises 13,000 s.f. and features the latest technology in animal care for the Bengal tiger affectionately known as Mike.



City Bark Dog Park
New Orleans, LA / 2008
Principal in Charge & Designer

One of the first projects realized in City Park, New Orleans after Hurricane Katrina, the 4 acre dog park has over 3,500 members and is rated one of the best in the nation with its hills and iconic New Orleans based structures.



National Audubon Center
Moss Point, MS / 2004
Principal in Charge & Designer

Its sweeping views of the Pascagoula River and estuary will help visitors and students to understand the interconnectedness of ecotypes which constitute the Escatawpa Biome.



USFW Bayou Sauvage National Wildlife Refuge
Lacombe, LA / 1993
Principal in Charge & Designer

At 30,000 acres in size, this is the largest National Wildlife Refuge in the United States. The park's interpretive center, pictured above, would connect to wet and dry trails, providing a true immersive experience for urbanites, and accessible by public transportation.



Aquarium of the Americas
New Orleans, LA / 1992
Principal in Charge & Designer

As urban designer and exhibit designer for the architectural team, the Bienville Group, TDCL helped craft one of the most successful riverfront aquariums in America with its main theme of interpreting the Mississippi River and the rivers of South America. It receives over 1 million visitors per year.



Woldenberg Plaza
New Orleans, LA / 2016
Principal in Charge & Designer

After the initial damage to the plaza by Hurricane Katrina, TDCL created a new interactive plaza and splash pad directly outside the city's Aquarium, allowing children to interact with water against the backdrop of the Mississippi River.

2.1 SIGNIFICANT WORK

Zoo & Aquarium Design

ACE TORRE, AIA



Zambezi River Hippo Camp
 Memphis, TN / 2016
 Principal in Charge & Designer

Reflecting the latest in technology, this \$23 million, 400,000 gallon, 3 acre exhibit features underwater views of hippos and salt water crocodiles as they would be found in Zimbabwe. At the core is the Rondavel Lodge, which is extremely successful with daytime and nighttime events and programs.



Northwest Passage
 Memphis, TN / 2005
 Principal in Charge & Designer

Another 400,000 gallon, \$30 million, 3 acre facility, Northwest Passage focuses on the art, culture and architecture of the First Native Peoples of the Pacific Northwest, while presenting polar bears, sea lions, eagles and others.



China Exhibit
 Memphis, TN / 2002
 Principal in Charge & Designer

One of only 4 Giant Panda exhibits in the US, China presents the panda through the 5,000 year lens of the Chinese garden design, art, culture and architecture of China itself. Chinese ambassador Yang Jianxi credits it as "the best in the world."



Teton Trek
 Memphis, TN / 2013
 Principal in Charge & Designer

The new 8,000 s.f. Teton Lodge creates the centerpiece of this 4 acre exhibit of grizzly bears, wolves and elk presents the splendor of Yellowstone, in Wyoming. The lodge has an 18 month wait list for wedding and special events, unprecedented in the zoo world.



Memphis Zoo Entry
 Memphis, TN / 1989
 Principal in Charge & Designer

Linking 5,000 years from Memphis of the antiquities to modern Memphis, this iconic entry complex, with hypostyle court and Nile plaza, was the foundation of the zoo's ultimate future success.



Alliance for Sustainable Wildlife
 Algiers, LA / 2016
 Principal in Charge & Designer

The ASW is a partnership between the San Diego Zoo and the Audubon Nature Institute to preserve species and foster herd-building on the 1,200 acre site. This facility will save multiple species from extinction.



Audubon Zoo - Asia Exhibit
 New Orleans, LA / 2016
 Principal in Charge & Designer

Protecting one of the most endangered species on earth, the Asian Elephant, this exhibit reflects the latest technology in herd building and animal management, all within a beautiful green environment, replete with culture and art of Asia.



Audubon Zoo - Louisiana Swamp Exhibit
 New Orleans, LA / 1985
 Principal in Charge & Designer

Groundbreaking in its original concept of linking natural exhibits with man, culture, art and environmental chronology, this remains the most popular exhibit at the Audubon Zoo, teaching backyard ecology.

2.1 SIGNIFICANT WORK

Zoo & Aquarium Design

ACE TORRE, AIA



OKC Zoo - Asia Exhibit
Oklahoma City, OK / 2013
Principal in Charge & Designer

At 15 acres, this is one of the largest elephant breeding complexes to be realized in an American zoo, this \$16 million complex replicates a Thai Elephant camp and invites visitors to view Asian elephants in the exhibit and their night facilities.



OKC Zoo - Sanctuary Asia
Oklahoma City, OK / 2016
Principal in Charge & Designer

A \$19 million expansion to the elephant complex, the new exhibits of rhino, komodo dragon and primates present a complete picture of Asian ecotypes and endangered species with a comprehensive conservation agenda.



Virginia Zoo Entry
Norfolk, VA / 2001
Principal in Charge & Designer

Celebrating the maritime history of Norfolk, Virginia, the entry to the new zoo effectively creates the portal from the local to the global biomes, from historic Norfolk to Africa and Asia.



Trail of the Tiger
Norfolk, VA / 2011
Principal in Charge & Designer

This exhibit took a flat site and created the hills of Asia, featuring tigers, orangutans, bears, and lesser primates. The exhibit created an unprecedented expansion in attendance and revenue.



Okavanga Delta
Norfolk, VA / 2005
Principal in Charge & Designer

Re-creation of the unique Okavanga Delta in Botswana, the exhibit interprets the ecology and wildlife of this unique marsh/savanna, featuring elephants, lions, rhinos, hoof-stock and birds for exhibit immersion.



Mesker Zoo - Amazonia Exhibit
Evansville, IN / 2010
Principal in Charge & Designer

Located in a cold winter region, this 20,000 s.f., \$20 million rainforest exhibit immerses visitors in the canopy to forest floor experience, and promotes day and night facility use in the winter, never before possible at the zoo.



Mesker Zoo Entry
Evansville, IN / 2010
Principal in Charge & Designer

A unique entry statement for the zoo that links to the Amazonia exhibit. Complete with interactive fountains, food services, and gift shop, these lucrative additions led to a doubling in attendance and revenue for the zoo, as well as providing a face of the zoo's mission to the community.



Palm Beach Zoo - Tropics of the Americas
West Palm Beach, FL / 2004
Principal in Charge & Designer

This 10 acre, \$20 million exhibit is the largest rainforest exhibit in the US. Pictured is the Tropics Cafe Restaurant, which looks back on the Rio Negro, providing an in-situ experience, having completed a journey through the forests of Quintana Roo.

2.1 SIGNIFICANT WORK

Zoo & Aquarium Design

ACE TORRE, AIA



Lowry Park Zoo - Africa
Tampa, FL / 2003
Principal in Charge & Designer

One of the first “protected contact” African elephant herd exhibits in the US, it remains a model for technological advancement that other zoos continue to follow with its commendable animal management systems and exhibit size.



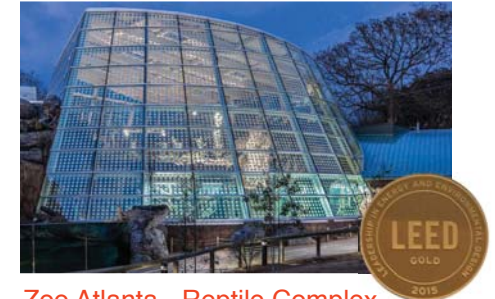
Lowry Park - Florida Biome Complex & Manatee Center
Tampa, FL / 1990
Principal in Charge & Designer

As the first manatee complex created in North America, this exhibit interprets a 400 year chronology of Florida’s development. Along with multiple ecosystems and a learning center, the manatee hospital has helped save manatees from extinction.



Peoria Zoo - Africa
Peoria, IL / 2011
Principal in Charge & Designer

This exhibit expanded a small zoo from 7 acres to 20 acres and created an Africa exhibit comparable to those in large cities like Chicago, proving that small cities can have big impacts on conservation.



Zoo Atlanta - Reptile Complex
Atlanta, GA / 2015
Principal in Charge & Designer

The first reptile/amphibian complex in the world to achieve LEED Gold certification, the \$15 million complex presents in-situ experiences and interactive learning programs, and contributes to global conservation.



Zoo Atlanta Entry
Atlanta, GA / 2015
Principal in Charge & Designer

Currently in design, the new entry replicates the hills that surround Grant Park, and will be a green sustainable model for zoos everywhere to follow, with the intent of LEED Gold certification.



Audubon Zoo - Gator Run
New Orleans, LA / 2016
Principal in Charge & Designer

An expansion to a splash pad, the lazy river gives zoo visitors respite from the New Orleans summer heat, promoting longer stays and economic vitality to zoo operations, while interpreting the culture of South Louisiana.



Aquarium of The Americas - Maya Reef
New Orleans, LA / 2015
Principal in Charge & Designer

A recent renovation to the TDCL design work in the 1990’s, this immersive exhibit takes aquarium design to a new level of cultural and historical interpretation, and utilizes the same kind of exhibit immersion TDCL typically provides to zoos.



El Paso Zoo - Asia Exhibit
El Paso, TX / 1992
Principal in Charge & Designer

Although designed and built in 1992, the technology that was foundational in the exhibit remains as contemporary today as it did when first created, including the groundbreaking “hugger” for animal care and management, used by zoos throughout the US today.

2.1 SIGNIFICANT WORK

Zoo & Aquarium Design

ACE TORRE, AIA



Fort Worth Zoo - Africa Forest
Ft. Worth, TX / 1989
Principal in Charge & Designer

Realized in 1989, the Fort Worth Zoo Africa Forest was one of the first rainforest exhibits in the US to exhibit 3 troops of gorillas, and has functioned well to this day in interpreting the African rainforest.



Jazzland Theme Park
New Orleans, LA / 1995
Principal in Charge & Designer

Focused on displaying and interpreting the architecture, art and culture of New Orleans, Jazzland represented a very different kind of theme-park. TDCL provided a master plan and conceptual design. The park was realized by others through a design/build process, but destroyed by Hurricane Katrina.



Biloxi Aquarium & Waterfront Park
Biloxi, MS / 2004
Principal in Charge & Designer

A dramatic new \$150 million aquarium and waterfront park was master planned and preliminary exhibit design completed by TDCL for Dale Partners Architects and Arquitectonica Architects. Hurricane Katrina destroyed the site and unfortunately stunted further development.



Biloxi Aquarium Entry Foyer
Biloxi, MS / 2004
Principal in Charge & Designer

The lobby design was meant to submerge the visitor into a believable underwater experience off the continental shelf of the Gulf of Mexico, adjacent to a deep sea oil rig.



Cameron Park Zoo
Waco, TX / 1990
Principal in Charge & Designer

An old antiquated softball complex was re-purposed into one of the most believable African Savanna exhibits in the US. The entry complex heralds Waco's history with period vernacular architecture and recounting the Chisholm trail.



Woodland Park Zoo -Trail of Vines
Seattle, WA / 1998
Principal in Charge & Designer

Uniquely presenting orangutans at home in the forest canopy, the 6 acre exhibit meets ADA compliance by designing the exhibit on a 50' hillside with mature 100' tall trees, placing the visitor face to face with orangutans in the arboreal realm.



Assiniboine Park Zoo
Winnipeg, Canada / 2003
Principal in Charge & Designer

This 90 acre zoo's exhibit must face temperatures of -40 degrees in winter, so the master plan allowed for climate controlled structures to be "pulsed," throughout the site to facilitate visitation in the winter, presenting a broad range of exhibits and wildlife.



Nanchang Zoo
Nanchang, China / 2004
Principal in Charge & Designer

Located in a city of 6 million, the 200 acre zoo master plan integrated a lagoon system to convey large masses of visitors to the global exhibits, each featuring cultural and architectural immersion as part of their storyline, as well as interpreting 4 rivers of the world.



THE AMERICAN INSTITUTE OF ARCHITECTS

- 2016 - AIA Louisiana Honor Award - University Medical Center, New Orleans, Louisiana
- 2012 - AIA Louisiana Merit Award - Amazonia Exhibit, Evansville, Indiana
- 1998 - AIA Louisiana Honor Award - Lake Vista House, New Orleans, Louisiana
- 1998 - AIA New Orleans Honor Award - Lake Vista House, New Orleans, Louisiana
- 1997 - AIA Louisiana Honor Award - Jefferson Parish Forensic Center, Harvey, Louisiana
- 1997 - AIA New Orleans Honor Award - McDermott Lodge at Survival Center, New Orleans, Louisiana
- 1996 - AIA Gulf States Honorable Mention - Memphis Zoo, Tennessee
- 1994 - AIA Louisiana Honor Award - Memphis Zoo, Tennessee
- 1994 - AIA New Orleans Merit Award - Maitland Community Center, Florida
- 1992 - AIA New Orleans Honor Award - Memphis Zoo, Tennessee
- 1989 - AIA New Orleans People's Choice Award - Audubon Zoo, New Orleans, Louisiana



THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS

- 2016 - ASLA Louisiana Merit Award - Trail of The Tiger, Virginia Zoo, Norfolk, Virginia
- 2015 - ASLA Louisiana Merit Award - Teton Trek, Memphis Zoo, Tennessee
- 2010 - ASLA Louisiana Merit Award - Amazonia, Mesker Park Zoo, Evansville, Indiana
- 2008 - ASLA Louisiana Honor Award - LSU Mike the Tiger Exhibit, Baton Rouge, Louisiana
- 2008 - ASLA Louisiana Honor Award - Canal Street Revitalization, New Orleans, Louisiana
- 2006 - ASLA Louisiana Honor Award - Tropics of the Americas, Palm Beach Zoo, Florida
- 2006 - ASLA Louisiana Honor Award - Vision Westwego City Plan, Louisiana
- 2003 - ASLA Louisiana - President's Award of Excellence - China Exhibit, Memphis Zoo, Tennessee
- 2002 - ASLA Louisiana Honor Award - Memphis Botanic Garden, Tennessee
- 2002 - ASLA Louisiana Honor Award - Northwest Passage - Memphis Zoo, Tennessee
- 1985 - ASLA National Merit Award - Louisiana Swamp at Audubon Zoo, New Orleans, Louisiana
- 1983 - ASLA National Merit Award - Southbank Riverfront, Jacksonville, Florida
- 1982 - ASLA National Merit Award - Transit & Information Ritual System, New Orleans, Louisiana
- 1981 - ASLA National Honor Award - Vieux Carre Riverfront Improvements, New Orleans, Louisiana
- 47 Additional ASLA Louisiana Honor + Merit Awards Through 2015 in multiple states



OTHER AWARDS

THE AMERICAN ZOO & AQUARIUM ASSOCIATION

- 1985 - Exhibit of the Year - Louisiana Swamp Exhibit - Audubon Zoo - New Orleans, Louisiana
- 1990 - Significant Achievement - Trail of Vines - Woodland Park Zoo - Seattle, Washington

THE WATERFRONT CENTER (CONSULTANTS & PUBLISHERS)

- 1990 - Excellence on the Waterfront Honor Award - Southbank Riverwalk-Downtown Development Authority - Jacksonville, Florida

HILLSBOROUGH PLANNING COMMISSION - HILLSBOROUGH COUNTY, Florida

- 1988 - Outstanding Contribution to the Community - Lowry Park Zoo - Tampa, Florida

SOUTHERN ACCENTS MAGAZINE

- 1991 - Design Excellence - Woldenberg Riverfront Park - New Orleans, Louisiana

CITY OF DALLAS

- 1994 - Dallas Urban Design Award - "Wilds of Africa" Exhibit - Dallas, Texas

HAMPTON ROADS ASSOCIATION

- 2003 - 1st Honor Award Best Master Planned Project - Virginia Zoological Park - Norfolk, Virginia

U.S. GREEN BUILDING COUNCIL

- 2015 - LEED Gold - Zoo Atlanta Reptile Complex & Hospital - Atlanta, Georgia

MCGRAW HILL CONSTRUCTION

- 2006 - South Central Construction Award - Mike the Tiger Habitat - LSU, Baton Rouge, Louisiana

FLORIDA EAST CONSTRUCTION CHAPTER CSR:

- 2000 - Excellence in Construction - "Tiger Falls" Exhibit - Palm Beach Zoo at Dreher Park - Palm Beach, Florida

NORTH AMERICAN DECORATIVE & DURABLE CONCRETE PAVEMENT CONTEST

- 2003 - 2nd Place Commercial Category - Compass at Entry Complex & Zoological Park - Norfolk, Virginia

ASSOCIATED BUILDERS & CONTRACTORS, INC. : FLORIDA EAST COAST CHAPTER

- 2002 - Excellence in Construction - Landscape Architecture Magazine Article, "Out of Egypt"

CITY OF BILOXI

- 1987 - Certificate of Appreciation - Contribution to the Quality of Life - Biloxi, Mississippi

CITY OF NEW ORLEANS

- 2000 - Certificate of Application - Duncan Plaza Competition - Contribution to the City of New Orleans, Louisiana



2.2 AWARDS, HONORS & RECOGNITION

ACE TORRE, AIA



National ASLA Design Awards Jury 1990, Ace Torre top left.



“..celebrating art and design in support of the human spirit.”



National Endowment of the Arts Winners 1981, Ace Torre left, with Robert Irwin.

HONORS

THE ROME PRIZE

-1974-1976 - Ace Torre was the Rome Prize laureate in Urban Design and Landscape Architecture - Rome, Italy

ASLA

-1984 - ASLA 100 Year Timeline (1899-1999)- Cashio, Cochran, Torre/Design Consortium: Louisiana Swamp Exhibit at the Audubon Zoological Gardens “Combines local culture and ecosystems with traditional zoo collections.”

-1990 - ASLA Awards Jury for Design, jury member for design

LSU

-1999 - LSU asked Ace to deliver the commencement speech to the College of Art and Design (COAD) focused on interdisciplinary thinking.

-2001 - Robert Reich Professorship - Ace Torre was the first recipient in recognition of mentoring students in “completeness of design in the practicing world and helping them embrace interdisciplinary thinking and practice.”

-2006 - Distinguished Alumni Award - Ace Torre was the recipient for “Leadership in advancing the profession and for a vision celebrating art and design in support of the human spirit.”

COMPETITIONS WON

- Nebraska I-80 Sculptural Competition with sculptor, Dimitri Hadzi (1975)

- Duncan Plaza - National Endowment of the Arts (NEA) - National Sculpture & Urban Design Competition with sculptor, Robert Irwin (1981)

ARTICLES - LANDSCAPE ARCHITECTURE MAGAZINE

Richards, Jim, “Shared Wisdom” - Ace Torre’s sketches - May 2009

Powell, Ann Elizabeth, “Gardens of Eden” - Woodland Park Zoo - Seattle, WA - April 1997

Brown, Jane Gillette, “Out of Egypt” - Memphis Zoo - Memphis, TN - February 1996

Posner, Ellen, “Rivers in the City” - Woldenberg Riverfront Park - New Orleans, LA - February 1991

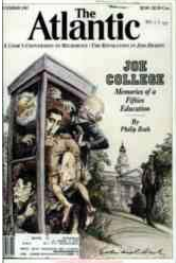
Douglas, William Lake, “Zoo Goes Native with Louisiana Swamp Exhibit” - New Orleans, LA - April 1985



2.2 AWARDS, HONORS & RECOGNITION

ACE TORRE, AIA

2001



2016



2016



ARTICLES - continued

- Gonchar, Joann AIA, "Health Facilities After the Storm," Architectural Record, July 2016
- Torre, L. Azeo, "Advocacy Through Thematic Design," WAZA Magazine - 2016
- Warren, Bonnie, "A Bird's Eye View," New Orleans Homes and Lifestyles Magazine, Fall 2001
- Posner, Ellen, "Woldenberg Park," Wall Street Journal, 1991
- Green, Melissa, "No Rms, Jungle Vu," The Atlantic, December 1987
- Mitchell, O. Jack, "Duncan Plaza Aviary Competition," Progressive Architecture, 1981

JURIES

- ASLA - National Design Awards (1990)
- ASLA - Council of Fellows Jury (1999 - 2001)
- Tucker Awards (2016)
- LSU & Tulane - Numerous Jury Participations (1978 - 2010)

LECTURES

- AIA - New Orleans National Conference (2011 & 2016) - "Contemporary Zoological Design"
- AIA - Jackson, MS (2016) - "Contemporary Zoological Design"
- AIA - Birmingham, AL (2015) - "The Art of Zoological Design"
- AIA - Oklahoma City, OK (2013) - "Technical Aspects of Zoo Design"
- AIA - Bozeman, MT (1979) - "Urban Design Principles"
- AZA - Numerous Cities (27), Presentations, & Lectures - "Thematic Design"
- WAZA - Prague (2011), Melbourne (2012) - "Advocacy through Thematic Design"
- Chautauqua Institute, NY (2006) - Post Katrina Destruction - "The Long, Long Road Home"
- American Academy in Rome (1974, 1976) - "Urban Design, Waterfront Cities"
- ASLA - New Orleans, LA (2001, 2016); Kansas City, MO; Seattle, WA (1987) - "Urban Design"

TELEVISION

- Animal Planet - The Ultimate Zoo - National Program featuring 4 of Ace's projects - 2008
- Call of the Wild - Tennessee Documentary on Memphis Zoo's History and Renovation - 2011
- Is Bourbon on the Rocks - PBS Special on Ace's master plans for New Orleans' historic and iconic Bourbon Street, through interactive master planning to create better Urban Design - 1979
- Audubon Park Memories - PBS Special on Audubon Park and Zoo, WYES New Orleans, 2015 - Views of the Olmstead designed park and zoo.



Tucker Design Awards
July 2016

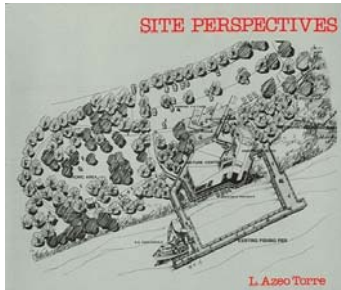


A 12 episode program on Animal Planet presenting the best exhibits in the world, of which Ace's exhibits were featured in 4 episodes.



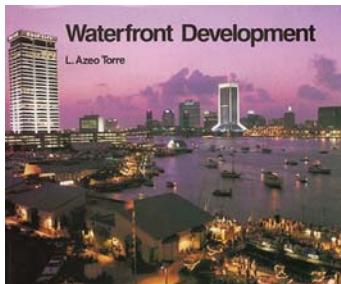
Presentation before 2016 AZA annual conference in San Diego, CA

2.3 SIGNIFICANT PUBLICATIONS



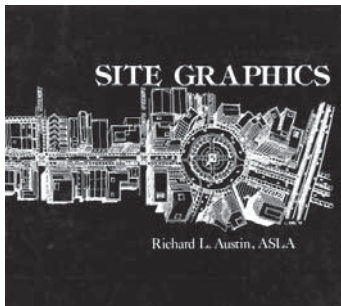
Torre, L. Azeo, SITE PERSPECTIVES, Van Nostrand Reinhold Co., NYC, 1986.
Edited by William Lake Douglas, Forward by William Turnbull, AIA

The book features the drawing process of L. Azeo Torre, utilizing the 3-dimensional tilt-up process to present designs to clients, stakeholders, contractors and others. This new method of drawing enables designers to prepare effective final presentations quickly, or use this process to facilitate the design process itself.



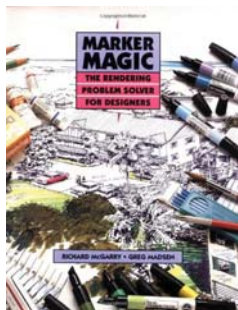
Torre, L. Azeo, WATERFRONT DEVELOPMENT, Van Nostrand Reinhold Co., NYC, 1989.

Taking an interdisciplinary approach to 24 waterfront projects in 14 cities across the US, France and Italy, the book affords readers an exceptional variation in project scale and content. The book provides a step by step approach to better waterfront planning and development, critiquing excellent projects to benefit the cities' economic base. With global sales, the book has been important on an international scale for students and practitioners alike.



Austin, Richard L., SITE GRAPHICS, Van Nostrand Reinhold Co., NYC, 1989.

The book features Ace Torre's competition winning tilt-up of St. Charles Street, New Orleans, as well as many other Torre renderings of varied styles and types. The book also features the works of other delineators to show a wide variety of styles and detail to help beginners in their own unique design process. Site Graphics demonstrates the concept technique, how to bring initial ideas into focus and tailor them to meet client needs. This is why Torre's drawings were particularly featured, including the book cover.



McGarry, Richard, and Madsen, Greg, MARKER MAGIC - THE RENDERING PROBLEM SOLVER FOR DESIGNERS, John Wiley and Sons, Inc., NYC, 1992.

Richard McGarry gathered the works of multiple delineators, both architects and landscape architects, throughout the US and abroad, to show great variety in style and approach to rendering. McGarry interestingly added portraits and graphic signatures of each delineator to personalize their visual product. Ace Torre's renderings focus on zoo and aquarium designs, as well as tilt-up technique.

3 SELECTED EXHIBITS

ACE TORRE, AIA

- 3.1 EVANSVILLE MESKER PARK ZOO - 2008, pp. 18-19
Evansville, Indiana
- 3.2 ZOO ATLANTA - 2015, pp. 20-22
Atlanta, Georgia
- 3.3 THE MEMPHIS ZOO & AQUARIUM - 1989-2016, pp. 23-26
Memphis, Tennessee
- 3.4 LOWRY PARK ZOO - 2003, pp. 27-29
Tampa, Florida
- 3.5 OKLAHOMA CITY ZOO & BOTANIC GARDEN - 2013, pp. 30-31
Oklahoma City, Oklahoma
- 3.6 THE VIRGINIA ZOO - 2011, pp. 32-33
Norfolk, Virginia
- 3.7 PEORIA ZOO - 2011, pp. 34-35
Peoria, Illinois
- 3.8 WOODLAND PARK ZOO - 1998, pp. 36-37
Seattle, Washington

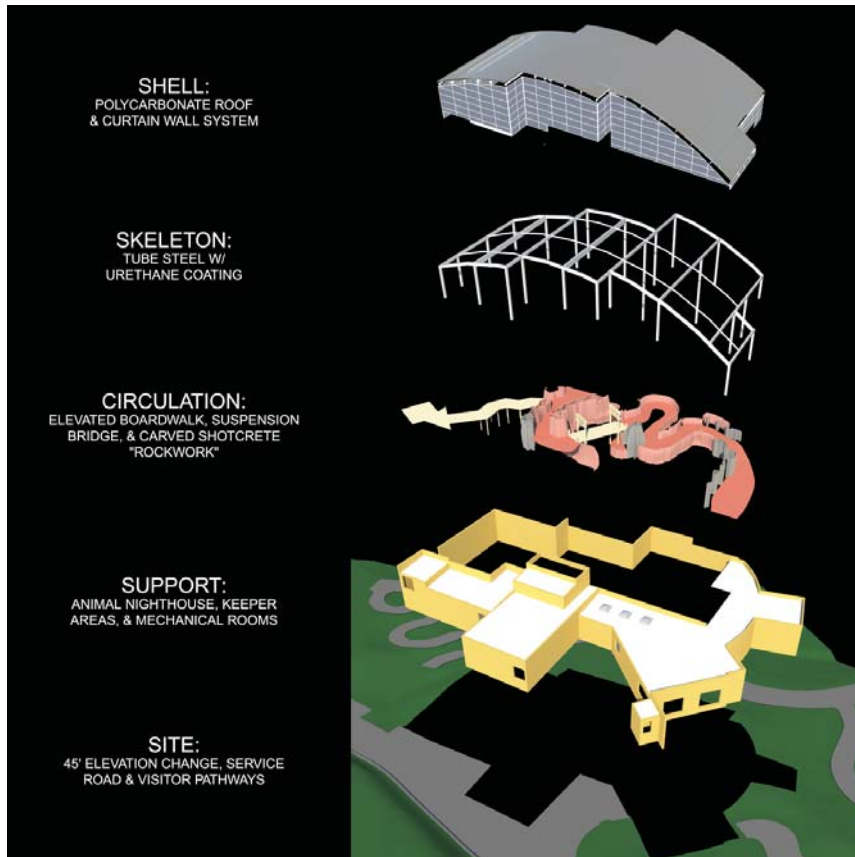
Teton Trek tilt-up at the Memphis Zoo (see exhibit 3.3, page 26).
This illustration and all other illustrations in this document by Ace Torre, AIA.

3.1 AMAZONIA TROPICS BUILDING

Location: Mesker Park Zoo - Evansville, Indiana

Completion Date: 2008

ACE TORRE, AIA



The exploded axonometric delineates the interrelationship of skin, structure and exhibit. Note that it takes 10,000 s.f. of service space to meet requirements of 10,000 s.f. of exhibit.

AOR: Torre Design Consortium, Ltd.

Role of Nominee: Principal in Charge, Project Designer

Awards Received: AIA Louisiana, ASLA Louisiana

Eric Beck, Assistant Director at Mesker Park Zoo, Zoo Project Manager

I have personal knowledge that the nominee, Ace Torre, is largely responsible for the design of the project listed above.

CHALLENGE

To take a 50 acre zoo in a harsh winter climate and give a climate controlled environment that would promote winter use in a zoo that historically saw no visitation in winter. Also utilize the steep 45' hill for the exhibit location to create the exhibit experience. A new entry complex would be added as well, moved due to a new location in the zoo to facilitate use of a larger, shared parking lot and create a new face for the zoo.

SOLUTION

The 45' hill was used to site the new 20,000 s.f. South American Rainforest Exhibit "Amazonia." The new experience would be to enter the rainforest canopy and begin a gradual descent to the mid-forest level, then to the forest floor, eventually taking the experience into the flooded forest itself, filled with aquatic exhibits. A true rainforest, the polycarbonate roof and full spectrum light curtain wall have allowed for a truly fecund environment to evolve. This has also accommodated snow loads in extreme weather. The complex HVAC system provides 12 air changes per hour with 100% outside air makeup, a new requirement for non-human primates. The new entry complex is located at the top of the hill and has adequate parking and created a dramatic new face to the community.

OUTCOME

The Amazonia Exhibit has doubled attendance, tripled revenues, and created a new destination for events, educational conferences and after hour parties. With over 460 species of plants and a wide variety of rainforest inhabitants ranging from primates to birds, reptiles to fish, Amazonia teaches and entertains, deepening advocacy for conservation of our fecund world rainforests, their cultures and wildlife.





The wing shape of the polycarbonate roof gives full spectrum lighting and space for the rainforest trees to achieve their natural potential. The interior structure is hidden by simulated tree structures. The view is from the forest floor back to the canopy beyond.

3.2 ZOO ATLANTA - Slimy, Scaly, Spectacular Reptile & Amphibian Complex

Location: Zoo Atlanta - Atlanta, Georgia
Completion Date: 2015

"1st LEED GOLD Reptile Complex in the World"

ACE TORRE, AIA



AOR: Torre Design Consortium, Ltd.
Role of Nominee: Principal in Charge, Project Designer
Awards Received: AIA Louisiana, ASLA Louisiana, LEED Gold

Tim Fidler, VP Facilities & Construction at Zoo Atlanta
I have personal knowledge that the nominee, Ace Torre, is largely responsible for the design of the project listed above.

CHALLENGE

Zoo Atlanta is a small 36 acre zoo on a very hilly site. The desire to replace the 60 year old shoe box reptile building with an immersive contemporary exhibit facility drove the creation of a new master plan as well as locate the new exhibit itself. The tilt-up rendering Ace did for the overall development proposed to relocate the entry complex to the site where it initially existed 100 years ago.

SOLUTION

With a plan for a renovated entry complex, adequate parking, and a logical hierarchy of circulation and exhibit sequence, Ace sited the new Scaly, Slimy Spectacular Reptile and Amphibian Complex adjacent to the new entry complex. The 20,000 s.f. building would dramatically present riverine, forest, and desert biomes before transitioning to the gallery with its detailed exhibits. The goal was to achieve a 25% reduction in stormwater runoff while realizing LEED Gold Certification. Both goals were achieved, and the dramatic shape of the glass rotunda presents a contemporary new image of Zoo Atlanta to the community.

OUTCOME

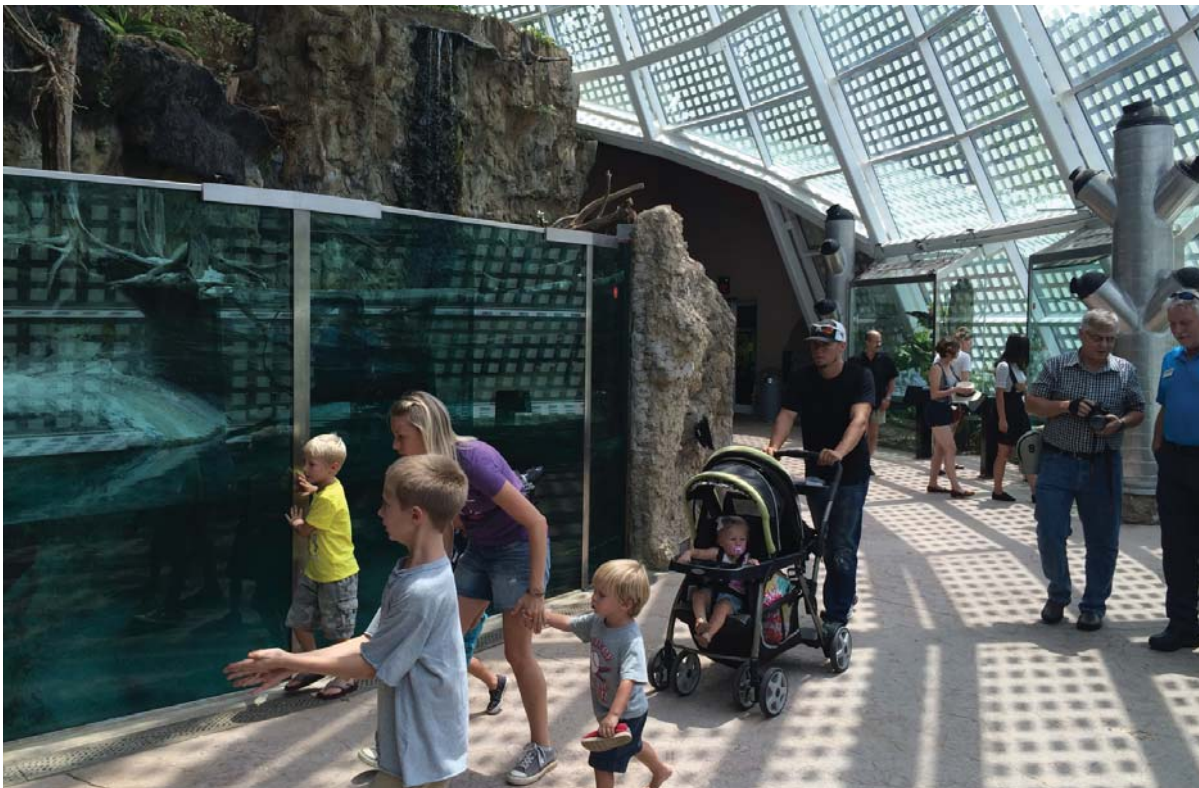
The opening of Scaly, Slimy, Spectacular gave Zoo Atlanta a blockbuster year of attendance and revenue. Its theater hosts programs and events, and the interior of the building has hosted many conferences, events and parties. The destination quality experience has permitted financial success, with over \$500,000 being contributed to global conservation projects by Zoo Atlanta.

The future entry complex will be LEED Gold in addition to the previously certified reptile complex. The rolling roof structure reiterates the hills that the park is composed of, and the zoo is located within.





The reptile and amphibian complex at dusk, with the riverine biome visible through the fritted rotunda glass. The frit pattern is made to match future photovoltaic panels. The fritted glass allows the building to model for LEED energy and prevents bird strike.



Top left: Riverine Biome with Crocodiles; **Top right:** Discovery in the Desert Biome; **Bottom left:** The Gallery with detailed exhibits; **Bottom right:** Wetland exhibit with turtle breeding.

3.3 THE MEMPHIS ZOO

Location: Memphis, Tennessee

Completion Date: Multiple projects 1989-2016

ACE TORRE, AIA

CHALLENGE

An old 36 acre zoo in a city of 1 million residents had gone without any new improvements for 30 years. With an attendance of 400,000 and 75% operationally subsidized, the facility was in poor condition and under appreciated by the community it served. The concept was to create a zoo and aquarium that would exceed contemporary standards while serving as a model for environmental learning, family recreation, as well as becoming a new regional destination.

SOLUTION

Ace was hired as designer by the City of Memphis to develop a new plan for the zoo, expand it from 36 to 72 acres, create a proper hierarchy of circulation of visitor experience and a balance of dramatic, immersive exhibits that would represent a new direction in zoo design by presenting mankind along with the wildlife, wildlands, art, architecture, culture, history and iconography. TDCL created the new Egyptian zoo entry which is itself a portal from the local to global biomes, connecting modern Memphis with Memphis of the antiquities, a span of 5,000 years. Ace worked with Memphis State School of Egyptology to create accurate hieroglyphics, including writing the new mission statement in hieroglyphics.

OUTCOME

The Memphis Zoo today is the #1 regional attraction, 97% operationally self-sufficient drawing over 1.1 million visitors per year, and represents a new direction in zoo and aquarium design with its environmental and cultural immersion. Rated consistently in the top 5 zoos in the US, the Memphis Zoo and Aquarium, foundationed with the latest technologies and economic logic. The zoo now contributes over \$1 million to global conservation efforts.



Top left: Ace's tilt-up zoo master plan; Lower left: Ace's concept sketch of the new entry and the entry featured on the cover of Landscape Architecture magazine; Below: The new Egyptian entry portal.



AOR: Torre Design Consortium, Ltd.
Role of Nominee: Principal in Charge, Project Designer
Awards Received: AIA Louisiana, ASLA Louisiana, AIA Gulf Region

Dr. Chuck Brady PhD, CEO at Memphis Zoo
I have personal knowledge that the nominee, Ace Torre, is largely responsible for the design of the project listed above.



Top left: Northwest Passage 200,000 gallon exhibit and 700 seat amphitheater; **Top right:** Tiger exhibit amid ruins of Angkor Wat and custom designed chandelier and bronze door handles; **Bottom left:** Tsimshian totems, carved and erected by First Nations Peoples artists; **Bottom right:** The Hypostyle court, linking modern Memphis to Memphis of the antiquities.





Top left: China exhibit featuring Giant Pandas and cultural immersion; **Above:** Northwest Passage polar bear exhibit with 100,000 gallons of 55 degree water year round; **Below left:** Entry portal to Northwest passage, featuring Kwakiutl and Tsimshian iconography and architecture; **Below right:** Life support pumps and filters required for the 3 acre, 400,000 gallon \$27 million exhibit which provide a living environment in the pools.





Above: The Teton Lodge in winter. This has created an unprecedented level of use in winter, when zoo's are historically empty; **Below left:** Ace Torre's conceptual sketch of Teton Trek at Firehole Falls; **Below middle:** The 55' Stone fireplace; **Below right:** Theatrical night lighting of Teton Lodge has hosted evening events, never before realized in zoos.



3.4 LOWRY PARK ZOO

Location: Tampa, Florida
Completion Date: 2003

ACE TORRE, AIA



Left: Ace designed the rustic portal to Africa, including the logo and branding, in an effort to create an exciting entry sequence to the journey; Far left: Ace's tilt-up zoo master plan.

CHALLENGE

A small 5 acre free zoo in a rapidly growing and prosperous city did not reflect the vision of the community. Although beloved for what it was, the new mayor sought a more appropriate, contemporary facility that would serve the community in more ways, and promote sustainability and global conservation issues. He also wanted to provide access to broader cultural and economic groups, creating greater facility diversity.

SOLUTION

Ace developed a dramatic new master plan for the new zoo that, with his firm, created projects that expanded the zoo ultimately to 60 acres within the 200 acre park, connecting it to the Hillsborough River for water taxi access to downtown Tampa. From the new entry complex (the first zoo in the US to have thematic night lighting) to the Florida Biome (a look at backyard ecology in Florida), Tampa citizens would be taken through immersive exhibits that nobly presented animals in their in-situ elements. Adequate parking and proper circulation made the new zoo a major regional attraction.

OUTCOME

With attendance that has exceeded 1.2 million for over a decade and operationally self-sufficient, the Lowry Park Zoo remains the highest attended non-profit facility of all kinds in Florida. The manatee complex and hospital in the Florida Biome has treated and released over 400 manatees to the wild, after injuries by humans. This exhibit is credited as one of the major reasons that manatees did not go extinct due to man's impact. It is a zoo exhibit that has created real change. The zoo now contributes \$500,000 annually to global conservation projects.

AOR: Torre Design Consortium, Ltd.
Role of Nominee: Principal in Charge, Project Designer
Awards Received: ASLA Florida, ASLA Louisiana

Elizabeth C Hennig

Elizabeth Hennig CFO, at Lowry Park Zoo

I have personal knowledge that the nominee, Ace Torre, is largely responsible for the design of the project listed above.



Above left: "Cracker Style" remodel of the entry complex; **Above right:** orientation plaza and interactive entry complex fountains; **Below left to right:** Aviary as backdrop to orientation fountain, thematic night lighting, the entry arbor - all designed to engage the visitor day or night.





Creating the emotional bond. Children feel immersed and fascinated within the 400,000 gallon manatee exhibit, where over 400 manatees have been healed and released back to the wild. This exhibit has been a critical vehicle in the prevention of the extinction of manatees in North America.

3.5 OKLAHOMA CITY ZOO

Location: Oklahoma City, Oklahoma
Completion Date: 2013

ACE TORRE, AIA



CHALLENGE

The Oklahoma City Zoo is one of the largest zoos in the US at 300 acres, with roughly 90 acres developed. Asian Elephants are at the brink of extinction due to mankind. The zoo wanted to create a major herd-building facility that would be a “Noah’s Ark” conservation complex, allowing viable herds to prosper and populate. The zoo further wanted to create a believable experience for visitors, comparable to a real journey to Thailand.

SOLUTION

Ace created a master plan that, with his firm, led to the creation of one of the largest Asian Elephant complexes in the US, capable of providing for a herd of 20 elephants. As part of the AZA, the Oklahoma City Zoo would also become an incubator for other zoos to benefit from population growth and conservation.

OUTCOME

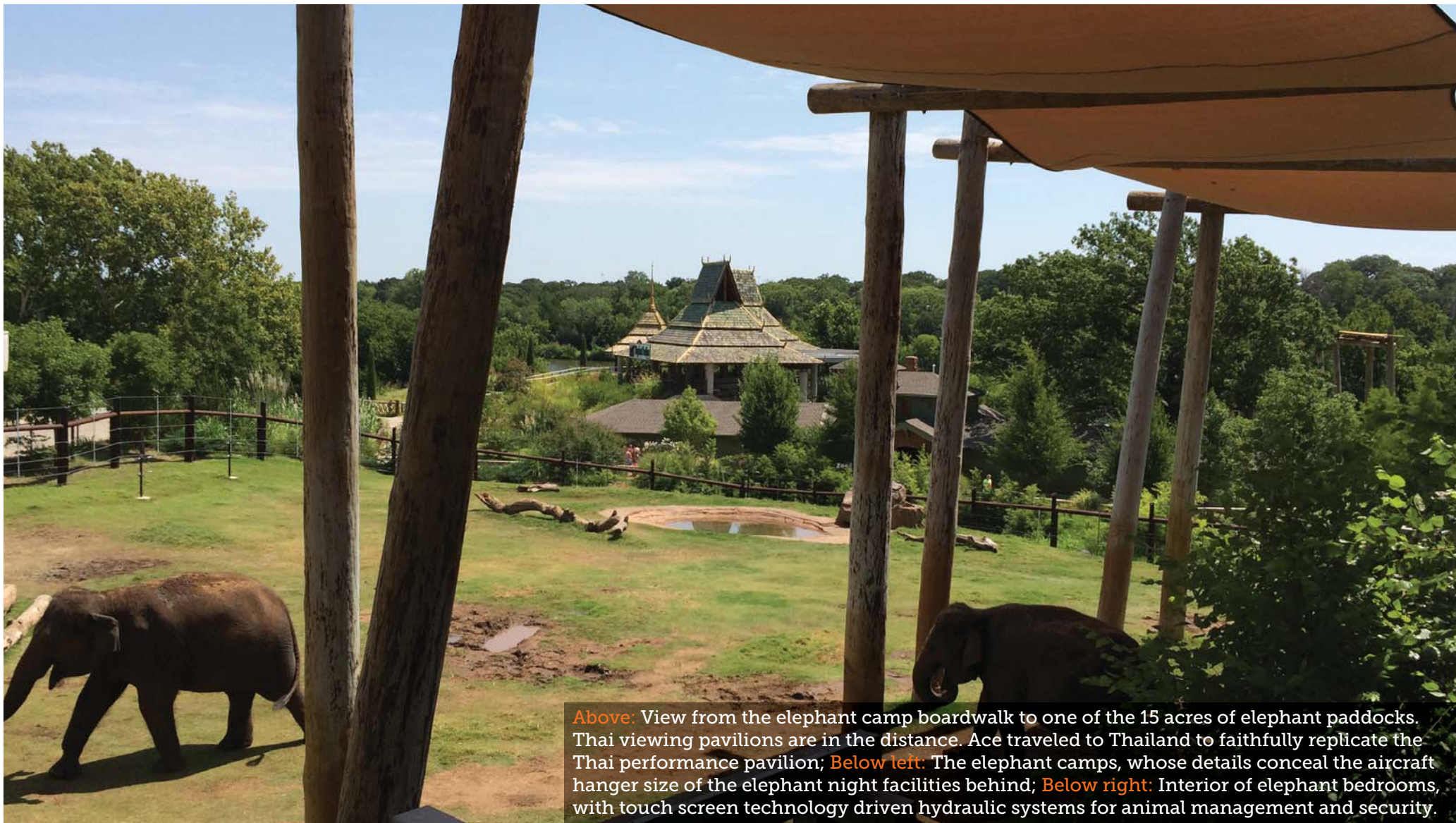
The new Sanctuary Asia presents viable herds of elephants and rhinos, both endangered species, in a positive, noble and immersive exhibit, promoting mankind’s co-inhabitation and the need for balanced co-existence. The exhibit has taken the zoo to an unprecedented level of attendance and revenue, adding to its regional attraction value. As a result, the zoo now contributes \$1 million annually to global conservation efforts.

AOR: Torre Design Consortium, Ltd.
Role of Nominee: Principal in Charge, Project Designer
Awards Received:

Dr. Dwight Lawson, PhD, CEO at Oklahoma City Zoo
I have personal knowledge that the nominee, Ace Torre, is largely responsible for the design of the project listed above.



Entry Temple Complex at World Plaza, illustration by Ace Torre.



Above: View from the elephant camp boardwalk to one of the 15 acres of elephant paddocks. Thai viewing pavilions are in the distance. Ace traveled to Thailand to faithfully replicate the Thai performance pavilion; **Below left:** The elephant camps, whose details conceal the aircraft hanger size of the elephant night facilities behind; **Below right:** Interior of elephant bedrooms, with touch screen technology driven hydraulic systems for animal management and security.



3.6 VIRGINIA ZOO

Location: Norfolk, Virginia
Completion Date: 2011

ACE TORRE, AIA



AOR: Torre Design Consortium, Ltd.
Role of Nominee: Principal in Charge, Project Designer
Awards Received: ASLA Louisiana

Greg Bockhem, Director at Virginia Zoo, Norfolk, VA
I have personal knowledge that the nominee, Ace Torre, is largely responsible for the design of the project listed above.



Left: Mayor Paul Fraim and Ace Torre at the opening of Trail of the Tiger exhibit in 2015; Far left: Ace's tilt-up zoo master plan; Below: Ace's design section shows the extensive grading that took the visitor's experience from flat land to Asian hills to properly view orangutans.

CHALLENGE

A 100 year old zoo in Norfolk's historic Lafayette Park consisted of an antiquated exhibits that did not reflect the stature of the community. A dynamic mayor and dedicated zoo society decided to design and build a state of the art zoo that would serve the community in education, conservation, recreation and research.

SOLUTION

Ace was hired by both entities to develop a comprehensive new master plan for the 54 acre zoo, which he and his firm implemented a new entry complex, with education and administration offices, orientation plaza, the Okavango Delta (Africa), and Trail of the Tiger (Asia) exhibits, along with new service facilities and parking. All new exhibits featured engaging storylines and immersive experiences to engage visitors and create the emotional bond.

OUTCOME

The new zoo has doubled its historical attendance levels and become one of the region's most beloved and utilized attractions. Our design took the site from a flat plane and created hills and vistas, and open views to the previously unseen Lafayette River. The zoo is one of the most successful in the US, and now contributes over \$300,000 per year to conservation projects.





Top left: New entry complex in Norfolk Maritime Victorian vernacular; Top right: Ace's sketch of the merus that bring visual excitement to the entry of Trail of the Tiger; Lower left: Xaxaba village is entry portal to the Okavango Delta exhibit; Lower right: Merus provide gathering comfort at opening party; Bottom: Ace's design section delineates substantial regrading of the flat site.



3.7 PEORIA ZOO

Location: Peoria, Illinois

Completion Date: 2011

ACE TORRE, AIA



AOR: Torre Design Consortium, Ltd.
Role of Nominee: Principal in Charge, Project Designer
Awards Received: ASLA Louisiana

A handwritten signature in black ink that reads "Brenda O'Russa".

Brenda O'Russa, Zoological Society President

I have personal knowledge that the nominee, Ace Torre, is largely responsible for the design of the project listed above.

CHALLENGE

A small 7 acre zoo adjacent to the city dump site had provided an incredible amount of educational and interpretive programs for children, despite the zoo's need for physical improvement. The challenge was to expand the zoo and create a modern facility for the community of 350,000.

SOLUTION

Ace was hired by the Peoria Zoological Society to develop a comprehensive master plan. We expanded the footprint to include the dump site to 24 acres, and then proceeded to develop one of the best Africa exhibits in the US, with an iconic Rondavel lodge at its center for day and night use, as well as respite on cold winter days.

OUTCOME

The new zoo has been enthusiastically received by Peorians, and is now one of the premier regional attractions. The re-purposing of the former dump site into an African savanna has expanded the image and perceived value of the zoo, and the Rondavel Lodge and classroom's are now used extensively day and night. Annual attendance doubled with proportional revenues, now allowing the zoo to actively participate in conservation programs.

A true multi-species exhibit of giraffe, zebras, rhinos, small hoofstock and birds brings a realistic African safari to Peoria, while providing education and conservation agendas.



Left: Rondavel Lodge 60' tall wooden interior structure, built accurately to the scale of African rondavels; **Above right:** Kopje lion exhibit with 1 1/2" thick glass to permit face to face experiences between visitors and lions; **Below right:** Rondavel Lodge, classrooms and mixed species exhibit of rhinos, giraffe and zebra.



3.8 WOODLAND PARK ZOO

Location: Seattle, Washington

Completion Date: 1998

ACE TORRE, AIA



AOR: Torre Design Consortium, Ltd.
Role of Nominee: Principal in Charge, Project Designer
Awards Received: ASLA Louisiana, AZA Significant Achievement

Dave Towne, Former Director at Woodland Park Zoo, Seattle, Washington
I have personal knowledge that the nominee, Ace Torre, is largely responsible for the design of the project listed above.

CHALLENGE

To create a dramatic new Asia exhibit on a hillside with 50' vertical drop in a zoo that was located in the city where the innovators in contemporary zoological design were located. Seattle is also the center for the largest aggregations of zoo design firms in the US, so it was both an honor to be selected and a challenge to create the next state of the art exhibit for this trend setting zoo.

SOLUTION

As seen in adjacent drawing, the 50' hillside was used by the designed boardwalk to give visitors access into the rainforest canopy, by simply keeping the boardwalk level and allowing the exhibit floor to descend. Orangutans are presented on the arboreal realm, as well as siamangs, tapirs and small cats. The experience takes the visitor through a "non-building" to control views and meet animal constraint requirements, while making the experience seem believably in-situ.

OUTCOME

The exhibit has been well received and enjoyed by the Seattle region, increasing attendance and revenue. The exhibit was honored by the AZA for Significant Achievement in Exhibit Design. This exhibit remains one of the best orangutan exhibits in the US, presenting an arboreal species accurately and respectfully. The zoo contributes over \$1 million annually to conservation efforts.

Left: Ace's tilt-up of the exhibit, with the 50' drop at the lower side of the sketch; Below: Ace's sketch of the forest floor.





Top left: Interior of the "non-building" with bedrooms and continuation of adjacent exhibit; **Top right:** Interior of "non building" with interior exhibit views, "Trail of Vines" concept; **Bottom left:** "Non-building" with roof; **Bottom right:** This handsome orangutan is capable of disassembling the entire exhibit with his strong hands and fingers.



REFERENCES

1. Name: Ron Blicht, FAIA

Address: 757 St. Charles Ave, New Orleans, Louisiana 70130

Telephone: (504) 524-4634 x 104

Email: ronblicht@msn.com

Title: President, Blicht Knevel Architects

Professional relationship to nominee: colleague & client; New Orleans Architect for 30 years; recent work for the University Medical Center in New Orleans

2. Name: Charles Brady PhD, CEO - Memphis Zoo

Address: 2000 Prentiss Place, Memphis, Tennessee 38122

Telephone: (901) 333-6512

Email: cbrady@memphiszoo.org

Title: CEO Memphis Zoo - Memphis, TN

Professional relationship to nominee: client for 30 years; over \$150 million in realized projects

3. Name: Sue Chin, FAIA

Address: 2300 South Blvd, Bronx, NYC 10460

Telephone: (718) 220-7132

Email: schin@wcs.org

Title: VP, planning, design, & chief architect, Wildlife Conservation Society

Professional relationship to nominee: colleague in zoo & aquaria design; multiple presentations at World Association of Zoos and Aquariums & American Zoo and Aquarium Association

4. Name: David Cronrath, AIA, Dean

Address: University of Maryland (UMD), 3835 Campus Dr, College Park, MD 20742

Telephone: (301) 405-8000

Email: cronrath@umd.edu

Title: Dean of Architecture School University of Maryland

Professional relationship to nominee: former Dean at LSU College Of Art and Design for 10 years; noted contributor for interdisciplinary education and practice; appointed Ace to Dean's Circle and awarded him the Distinguished Alumni Award

5. Name: Honorable Mayor Paul Fraime, City of Norfolk, Virginia

Address: 810 Union St., Norfolk, VA

Telephone: (757) 227-5900

Email: gregory.bockheim@norfolk.gov

Title: Mayor, City of Norfolk, VA

Professional relationship to nominee: client for 20 years; master plan through construction and project proponent

6. Name: David Rice, FAIA

Address: 2920 Zoo Drive, San Diego, California 92101

Telephone: (619) 744-3308

Email: drice@sandiego.org

Title: Corporate Director of Architecture - San Diego Zoo, CA

Professional relationship to nominee: colleague in zoo design; working together on Alliance for Sustainable Wildlife; recognized for his 40 year tenure at the San Diego Zoo

7. Name: Bob Zahl, AIA, PE

Address: 8411 S. Walker Ave, Oklahoma City, Oklahoma 73139

Telephone: (405) 634-3393

Email: rczahl@zahlford.com

Title: President, Zahl Ford Structural Engineers

Professional relationship to nominee: worked together on Oklahoma Zoo projects for 10 years; rare combination of respected architect and structural engineer; Bob and Ace continue to work on zoo and aquarium projects in Oklahoma

For additional information regarding work by Ace Torre, AIA, please visit www.t-dcl.com



DESIGN
SORTIUM