

Sustainable Building Projects

BIOHABITATS HAS CONTRIBUTED TO:

- » 29 LEED Platinum projects
- » 9 Living Buildings certified projects (+15 in design, construction, complete or certification phase)
- » 11 AIA COTE Top Ten Awards projects
- » 2 SITES certified projects

LIVING BUILDING CHALLENGE (LBC), LIVING COMMUNITY CHALLENGE (LCC), AND NET ZERO WATER (NZW) EXPERIENCE

- » **Stanley Center for Peace and Security, Muscatine, IA** (LBC 4.0) complete 2023 / **role:** lead design – rain harvest for potable water
- » **PAE Living Building, Portland, OR** (LBC 4.0) complete 2021/ **role:** lead design – rain harvesting for potable water supply, wastewater treatment/reuse, and nutrient recovery systems
- » **Aegis Lake-Union Senior Housing, Seattle, WA** (Seattle LBC pilot program) complete 2022 / **role:** lead design – rainwater harvest & greywater reuse infrastructure
- » **Santa Monica City Services Building, Santa Monica, CA** (LBC 3.0) certified 2022 / **role:** technical assistance with water infrastructure
- » **Loom House, Bainbridge Island, WA** (LBC 4.0) certified 2021/ **role:** rain harvesting and wastewater treatment and reuse systems
- » **Kendeda Building for Innovative Sustainable Design at Georgia Tech, Atlanta, GA** (LBC 3.0) certified 2021 / **role:** lead design of water infrastructure; AIA COTE Top Ten–2021
- » **The Willow School: Health, Wellness & Nutrition Center, Gladstone, NJ** (LBC 2.0) certified 2017 / **role:** rainwater harvest and reuse
- » **The Morris & Gwendolyn Cafritz Foundation Environmental Center at Hard Bargain Farm, Operated by Alice Ferguson Foundation, Accokeek, MD** (LBC 2.0) certified 2017 / **role:** lead design – greywater system
- » **Brock Environmental Center - Chesapeake Bay Foundation, Pleasure House Point, VA** (LBC 2.0) certified 2016 / **role:** peer review & permitting of rain to potable water infrastructure; AIA COTE Top Ten–2017
- » **Dixon Water Foundation Josey Pavilion, Dixon, TX** (LBC 2.0) certified 2016 / **role:** lead design of stormwater & wastewater infrastructure; AIA COTE Top Ten–2016
- » **Bullitt Center, Seattle, WA** (LBC 2.0) certified 2015 / **role:** concept design, peer review, and operational optimization of water infrastructure; AIA COTE Top Ten–2015
- » **The Summit: Village Treehouse, Fayette County, WV** (LBC 2.0) complete 2013 / **role:** concept design & peer review of water infrastructure; AIA COTE Top Ten–2014
- » **Omega Center for Sustainable Living, Rhinebeck, NY** (LBC 1.0) certified 2010 / **role:** lead design & engineering of wastewater infrastructure, AIA COTE Top Ten–2010
- » **Yale Divinity School, New Haven, CT** (LCC) design phase / **role:** lead design – water infrastructure
- » **Great Smoky Mountain Institute, Townsend, TN** (LBC 4.0) design phase / **role:** design – water infrastructure
- » **Appalachian State University Conservatory for Biodiversity Education and Research, Boone, NC** (LBC 4.0) design phase / **role:** lead design and engineering of water infrastructure
- » **Lake Michigan Residence** (LBC 4.0) design phase / **role:** lead design – water infrastructure
- » **Corporate Office, New York, NY** (LBC 4.0) permitted / **role:** lead design – water infrastructure
- » **Bend Residence** (confidential) (LBC 4.0) in construction / **role:** lead design of greywater reuse system
- » **The Industrial Commons, Morganton, NC** (LBC Core) design phase / **role:** lead design of ecology of place and water petal



Georgia Tech Kendeda Building



The Willow School



Loom House



Stroud Water Research Center



Georgia Tech Krone Building

LEED NEW CONSTRUCTION (NC): PLATINUM

- » **Villa Hermosa, Indio, CA** (v4) LEED BD&C Platinum 2023
- » **Corporate Office, Birmingham, AL** (v4) LEED Platinum 2022
- » **University of Maryland: Shady Grove Biomedical Sciences & Engineering Education Building** (v2.1) LEED Platinum 2020
- » **Kendeda Building for Innovative Sustainable Design at Georgia Tech, Atlanta, GA** (v4) LEED Platinum 2019, LEED Zero Water 2021, LEED Zero Energy 2021
- » **Nike Northwoods, Beaverton, OR** (v3) targeting LEED Platinum 2018
- » **Austin Central Library, Austin, TX** (v3) LEED Platinum 2018
- » **University of Hawaii: West Hawaii Campus, North Kona, HI** (v3) LEED Platinum 2017
- » **Chatham University, Eden Hall Campus: Classroom Building, Pittsburgh, PA** (v3) LEED Platinum 2018; AIA COTE Top Ten–2017
- » **The Morris & Gwendolyn Cafritz Foundation Environmental Center at Hard Bargain Farm, Operated by Alice Ferguson Foundation, Accokeek, MD** (v2.2) LEED Platinum 2017
- » **Cedar Springs Apartments, La Verne, CA** (v3) LEED Platinum 2016
- » **Georgia Tech: Engineering Biosystems Building, Atlanta, GA** (NC v3) LEED Platinum 2016
- » **Brock Environmental Center, Pleasure House Point, VA** (v3) LEED Platinum 2015
- » **Velomor, Portland, OR** (v3) LEED Platinum 2015
- » **The Elmwood Building, Portland, OR** (v3) LEED Platinum 2015
- » **Astor Tower, Portland, OR** (v3) LEED Platinum 2015
- » **Tempe Transit Center, Tempe, AZ** (v2.1) LEED Platinum 2014
- » **Corn Creek Visitor Center, Las Vegas, NV** (v2.2) LEED Platinum 2014
- » **Duke Farms: Farm Barn Orientation Center, Hillsborough, NJ** (v2.2) LEED Platinum 2013
- » **Duke Farms: Orchid Range, Hillsborough, NJ** (v2.2) LEED Platinum 2013
- » **Stroud Water Research Center, Avondale, PA** (v2.2) LEED Platinum 2013
- » **Redding School of the Arts, Redding, CA** (v3) LEED Platinum 2012
- » **Omega Center for Sustainable Living, Rhinebeck, NY** (v2.2) LEED Platinum 2010;
- » **Las Vegas Springs Preserve Visitors Center, Las Vegas, NV** (v2.1) LEED Platinum 2008
- » **The Willow School Art Barn, Gladstone, NJ** (v2.1) LEED Platinum 2007
- » **Desert Living Center & Gardens, Las Vegas, NV** (v2.0) LEED Platinum 2007
- » **Goshen College: Rieth Village, Wolf Lake, IN** (v2.1) LEED Platinum 2007
- » **Sidwell Friends Middle School, Washington DC** (v2.1) LEED Platinum 2006

LEED NEW CONSTRUCTION (NC) GOLD, SILVER, CERTIFIED

- » **Holt Avenue Apartments, Pomona, CA** (LEED BD&C; level pending) complete 2021
- » **National Bio Agro-Defense Facility (NBAF), Manhattan, KS** (v3: targeting Gold) complete 2021
- » **Smithsonian National Zoological Park: The Birdhouse, Washington, DC** (v2.1: pending) design phase
- » **Intel Guadalajara Design Center–Labs, Guadalajara, MX** (v2009) LEED Gold 2015
- » **City Center, Washington, DC** (v2.1) LEED Silver 2011
- » **Rodale Institute, Kutztown, PA** (v2.1: pending) complete 2011
- » **Arizona State University: Barrett Honors College, Tempe, AZ** (v2.2) LEED Gold 2010
- » **Santa Fe Farmers Market Institute, Santa Fe, NM** (v2.0) LEED Gold 2009
- » **Manhattanville College: Environmental Learning Lab, Purchase, NY** (v2.2) complete 2009
- » **Oryana Natural Foods Market, Traverse City, MI** (v2.0) LEED Silver 2009
- » **The Willow School Phase I, Gladstone, NJ** (v2.0) LEED Gold 2004
- » **Berea College: Lincoln Hall Renovation, Berea, KY** (v2.0) LEED Silver 2004

LEED NEIGHBORHOODS (ND)

- » **Hassalo on 8th, Portland, OR** (v4) LEED ND Platinum
- » **Mine Brook Road (12 homes), Bernards Township, NJ** LEED ND: level pending, under construction
- » **The Village at Galisteo Basin Preserve (500 homes), Galisteo, NM** LEED ND: Gold, permit phase
- » **Westview Village, Ventura, CA** LEED ND: Certified



Omega Center for Sustainable Living



Chatham University, Eden Hall Campus



Hassalo on 8th



Desert Living Center



Rodale Institute

LEED FOR HOMES

- » **Rancho Verde, Ventura, CA** (LEED for Homes), LEED Platinum 2019
- » **Silver Star Apartments, Los Angeles, CA** (LEED for Homes) LEED Platinum 2017
- » **Pingry School: Beinecke House, Martinsville, NJ** (LEED for Homes), LEED Gold 2012
- » **Lake Michigan Residence, Omena, MI** (LEED for Homes) LEED Gold 2009
- » **Metro Detroit Residence, West Bloomfield, MI** (LEED for Homes) LEED Gold 2009

OTHER GREEN BUILDING PROJECTS

- » **Ryerson Woods Education Center, Lake County, IL** (net zero certified Passive House) in construction / **role:** lead design water infrastructure
- » **Barkley Village, Bellingham, WA** One Planet Living
- » **Brisbane Baylands, Brisbane, CA** One Planet Living
- » **Keya Wakpala Green Development, Rosebud Reservation, SD** Enterprise Green Communities Initiative, design phase
- » **Belen Housing, Belen, NM** Green Communities Initiative, complete 2011
- » **Herbert Bateman Educational & Administrative Center, Chincoteague Wildlife Refuge, VA** White House Environmental Award, complete 2003

MASTER PLANNING & DESIGN FOR NET ZERO WATER/LBC/LCC

- » **76 Building, Albany, NY** (LBC 4.0) in design / **role:** lead design – water infrastructure
- » **The Highlands, Grand Rapids, MI** design phase/ **role:** water master planning
- » **Severson Dells Nature Center, Rockford, IL** (full LBC 4.0) design phase / **role:** lead design – water infrastructure
- » **Yellowstone Youth Center, Gardiner, WY** (full LBC 2.0) design phase / **role:** lead design and engineering of water infrastructure
- » **Gaia Building, Los Angeles, CA** (full LBC 3.1) bidding/construction / **role:** lead design & engineering of water infrastructure
- » **Sage School, Haley, ID** (full LBC 3.1) schematic design phase / lead design & engineering of water infrastructure
- » **Academy for Global Citizenship, Chicago, IL** (LBC 4.0) design phase / design development of water infrastructure
- » **J. Craig Venter, La Jolla, CA** LEED Platinum & LBC / **role:** wastewater infrastructure design; AIA COTE Top Ten–2016
- » **Oregon State University–Cascades Campus, Bend, OR** Net Zero Water Master Planning
- » **Grass River Nature Center, Bellaire, MI** LEED Platinum & LBC concept design
- » **EnviroCenter, Jessup, MD** LEED Platinum & LBC concept design
- » **Eastern Washington University: EWU Sustainability Center, Cheney, WA** LBC concept design, ecological assessment, and water infrastructure
- » **WARM Training Center, Detroit, MI** LEED Platinum & LBC concept design
- » **Salt River Bay Marine Research & Education Center, St. Croix, USVI** (NZW) **role:** engineering wastewater treatment, reuse & water harvesting
- » **Oregon Sustainability Center, Portland, OR** LEED Platinum & LBC / wastewater infrastructure schematic design
- » **Civic Garden Center, Cincinnati, OH** LEED Platinum concept design
- » **Tierra on Ashley, Ann Arbor, MI** LEED Platinum water infrastructure design
- » **Corporate Headquarters, San Antonio, TX** LEED Platinum water infrastructure design
- » **University of Southern Mississippi: Marine Environmental Center, Biloxi, MS** LEED water infrastructure design
- » **King Gillette Ranch, Calabasas, CA** LEED Platinum & Net Zero master planning
- » **Spring Mountain Visitor Center, Kyle Canyon, NV** LEED Platinum & Net Zero master planning
- » **SMECO Engineering & Operations Center, Hughesville, MD** LEED water infrastructure master planning
- » **Cincinnati Nature Center, Cincinnati, OH** LEED water infrastructure master planning
- » **Panamaes Community (75 homes), Pedasi, Panama** LEED water infrastructure design
- » **Hudson (3000+ homes), Hudson, Alabama** LEED water infrastructure design
- » **KAPSARC (1000+ homes), Riyadh, Saudi Arabia** LEED water infrastructure schematic design



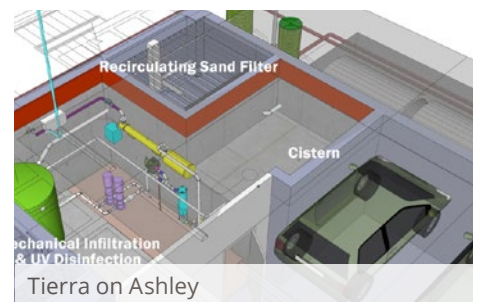
Herbert H. Bateman Ed. & Adm. Center



Tempe Transit Center



Chatham University, Eden Hall Campus



Tierra on Ashley



Pete H. Domenici Federal Courthouse

SUSTAINABLE SITES

- » **University of Texas–Campus Transformation Project, El Paso, TX**
Sustainable SITES, certified Silver 2016
- » **Pete H. Domenici Federal Courthouse, Albuquerque, NM**
Sustainable SITES–Pilot, 2 Stars, certified 2014
- » **Heron Pond and Carpio-Sanguinette Park Master Plan and Design, Denver, CO**
Sustainable SITES, in design

AIA COTE TOP TEN AWARDS

The American Institute of Architects' Committee On The Environment (COTE)[®] Top Ten Awards is the architecture industry's best-known award program for sustainable design excellence and recognizes performance over intentions. Each year, the American Institute of Architects recognizes ten innovative projects for their integration of design excellence with environmental performance. Project teams are encouraged to submit projects for which performance and occupant satisfaction data are available for a period of 12 months or more with at least 75% occupancy. The measures and metrics emphasize the importance of actual performance in addition to design intent. The awards program exists to teach the successes of the very best projects and to advance the entire profession to realize our shared vision of a zero carbon, equitable future.

- » **Louisiana Children's Museum, New Orleans, LA**
AIA COTE Top Ten–2022 (NC v3) LEED Gold 2021
Mithun and Waggoner & Ball
- » **Georgia Tech: Kendeda Building for Innovative Sustainable Design, Atlanta, GA**
AIA COTE Top Ten–2021 (full LBC 3.0) certified 2021, (v4) LEED Platinum 2019, LEED Zero Water 2021, LEED Zero Energy 2021 / **role:** lead design and engineering of water infrastructure
Lord Aeck Sargent and The Miller Hull Partnership
- » **Austin Central Library, Austin, TX**
AIA COTE Top Ten–2020 (NC v3) LEED Platinum 2018
Lake|Flato Architects
- » **Georgia Tech: Krone Engineering Biosystems Building, Atlanta, GA**
AIA COTE Top Ten–2018 (NC v3) LEED Platinum 2016
Cooper Carry and Lake|Flato
- » **Chatham University, Eden Hall Campus: Classroom Building, Pittsburgh, PA**
AIA COTE Top Ten–2017 (v3) LEED Platinum 2018
Mithun
- » **Brock Environmental Center, Pleasure House Point, VA**
AIA COTE Top Ten–2017 (full LBC 2.0) certified 2016; (v3) LEED Platinum 2015 / **role:** peer review and permitting of rain to potable water infrastructure
SmithGroup
- » **The Dixon Water Foundation Josey Pavilion, Decatur, TX**
AIA COTE Top Ten–2016 (full LBC 2.0) certified 2016 / **role:** design & engineering of stormwater and wastewater infrastructure
Lake|Flato Architects
- » **J. Craig Venter Institute, La Jolla, CA**
AIA COTE Top Ten–2016 LEED Platinum & LBC wastewater infrastructure design
ZGF Architects
- » **Bullitt Foundation, Seattle, WA**
AIA COTE Top Ten–2015 (full LBC 2.0) certified 2015 / **role:** concept design, peer review and operational optimization of water infrastructure
The Miller Hull Partnership
- » **The Summit: Village Treehouse, Fayette County, WV**
AIA COTE Top Ten–2014 (full LBC 2.0) complete 2013 / **role:** concept design and peer review of water infrastructure
Mithun and BNIM
- » **Omega Center for Sustainable Living, Rhinebeck, NY**
AIA COTE Top Ten–2010 (full LBC 1.0) certified 2010 / **role:** lead design and engineering of wastewater infrastructure
BNIM Architects
- » **Sidwell Friends Middle School, Washington DC**
AIA COTE Top Ten–2007 (v2.1) LEED Platinum 2006
KieranTimberlake Associates LLP