



NCSEA

National Council of Structural Engineers Associations

20th Annual Excellence in Structural Engineering Awards

Washington, DC

2017 Awards Categories

New Bridge and Transportation Structures

Forensic / Renovation / Retrofit / Rehabilitation Structures up to \$20 Million

Forensic / Renovation / Retrofit / Rehabilitation Structures over \$20 Million

Other Structures

New Buildings Under \$20 Million

New Buildings \$20 Million to \$100 Million

New Buildings over \$100 Million

NCSEA 25th Annual Summit Awards Program

The award winners were selected from 100 entries representing over \$15.5 billion dollars of construction. The judging criteria included structural creativity, complexity of the project constraints, innovative application of materials or techniques, exceeding the client or owner's needs or expectations and suitability of the structure for its environment. These awards celebrate excellence in structural engineering.

NCSEA 25th Annual Summit Awards Program

2017 Awards Judges

Structural Engineers Association of Illinois

Kevin Conroy

Simpson Gumpertz & Heger

Salvatore DiBernardo

Ciorba Group

Carrie Johnson

Wallace Engineering Structural Consultants, Inc.

Ben Nelson

Martin/Martin, Inc.

Adam Theiss

Magnusson Klemencic Associates

Jennifer Traut-Todaro

AISC



Structural Engineers Association of Illinois

Judging - July 24, 2017



Category
**New Bridge or Transportation
Structures**

NCSEA Excellence in Structural Engineering Awards



SR 520 Floating Bridge and Landings

Seattle, Washington
KPFF Consulting Engineers

A large red lattice boom crane is lifting a massive, rectangular concrete bridge girder. The girder is suspended by several cables and a metal frame. In the background, a construction site is visible with several workers on a concrete structure, a white pickup truck, and other construction equipment. The sky is clear and blue.

SR 520 Floating Bridge and Landings

Seattle, Washington
KPFK Consulting Engineers



SR 520 Floating Bridge and Landings

Seattle, Washington
KPFF Consulting Engineers



SR 520 Floating Bridge and Landings

Seattle, Washington
KPF Consulting Engineers



Sellwood Bridge Replacement

Portland, Oregon
T. Y. Lin International



Sellwood Bridge Replacement

Portland, Oregon
T. Y. Lin International



Sellwood Bridge Replacement

Portland, Oregon
T. Y. Lin International



Sellwood Bridge Replacement

Portland, Oregon
T. Y. Lin International



The New Dresbach Bridge

La Crescent, Minnesota and La Crosse, Wisconsin
FIGG Bridge Engineers, Inc.



The New Dresbach Bridge

La Crescent, Minnesota and La Crosse, Wisconsin
FIGG Bridge Engineers, Inc.



The New Dresbach Bridge

La Crescent, Minnesota and La Crosse, Wisconsin
FIGG Bridge Engineers, Inc.



The New Dresbach Bridge

La Crescent, Minnesota and La Crosse, Wisconsin
FIGG Bridge Engineers, Inc.

Category

**Forensic / Renovation / Retrofit /
Rehabilitation Structures
Less Than \$20 Million**

NCSEA Excellence in Structural Engineering Awards



Duke University Chapel Restoration

Durham, North Carolina

Wiss, Janney, Elstner Associates, Inc.

The image shows the interior of the Duke University Chapel during a restoration project. The space is filled with a complex network of metal scaffolding that supports the high, vaulted ceiling. In the foreground, several wooden pews are visible, some of which are partially obscured by the scaffolding. The background features a large, arched opening, likely an altar or a window, with light streaming in from above. The overall atmosphere is one of active construction and historical preservation.

Duke University Chapel Restoration

Durham, North Carolina

Wiss, Janney, Elstner Associates, Inc.



Duke University Chapel Restoration

Durham, North Carolina

Wiss, Janney, Elstner Associates, Inc.

The image shows the interior of the Duke University Chapel, a Gothic Revival style church. The view is from the side of the nave, looking down the length of the church towards the altar. The architecture features high, pointed Gothic arches supported by tall, slender columns. The ceiling is a complex ribbed vault. Stained glass windows are visible in the side walls and at the far end. The floor is covered with dark wooden pews. The lighting is warm and comes from several large, glowing pendant lights hanging from the ceiling.

Duke University Chapel Restoration

Durham, North Carolina
Wiss, Janney, Elstner Associates, Inc.

A photograph of the Freemark Abbey Winery building, a large stone structure with multiple arched windows and a crenellated roofline. In the foreground, there is an outdoor patio area with stone seating and a wooden fence. The sky is blue with some clouds.

Freemark Abbey Winery

St. Helena, California
ZFA Structural Engineers



Freemark Abbey Winery

St. Helena, California
ZFA Structural Engineers



Freemark Abbey Winery

St. Helena, California
ZFA Structural Engineers



Freemark Abbey Winery

St. Helena, California
ZFA Structural Engineers



The Desmond Building

Los Angeles, California
Skidmore, Owings & Merrill, LLP

A modern office lounge area with large windows, a desk, and people sitting in armchairs. The room features a minimalist design with concrete walls and floors. Large windows with black frames provide a view of a city skyline. A woman is seated at a desk in the background, and two men are sitting in armchairs around a circular coffee table in the foreground. The lighting is bright and even, highlighting the clean lines of the furniture and architecture.

The Desmond Building

Los Angeles, California
Skidmore, Owings & Merrill, LLP

A nighttime photograph of a city street corner. The central focus is a multi-story brick building with a grid of windows, many of which are brightly lit from within. The building is situated at a street intersection. To the left and right are other modern buildings with glass facades and balconies. The sky is a deep blue, and the street is illuminated by warm yellow streetlights. Light trails from cars are visible on the road. A construction crane is visible in the background behind the brick building.

The Desmond Building

Los Angeles, California

Skidmore, Owings & Merrill, LLP

Category

**Forensic / Renovation / Retrofit /
Rehabilitation Structures
More Than \$20 Million**

NCSEA Excellence in Structural Engineering Awards



Bay Area Metro Center

San Francisco, California
Holmes Structures



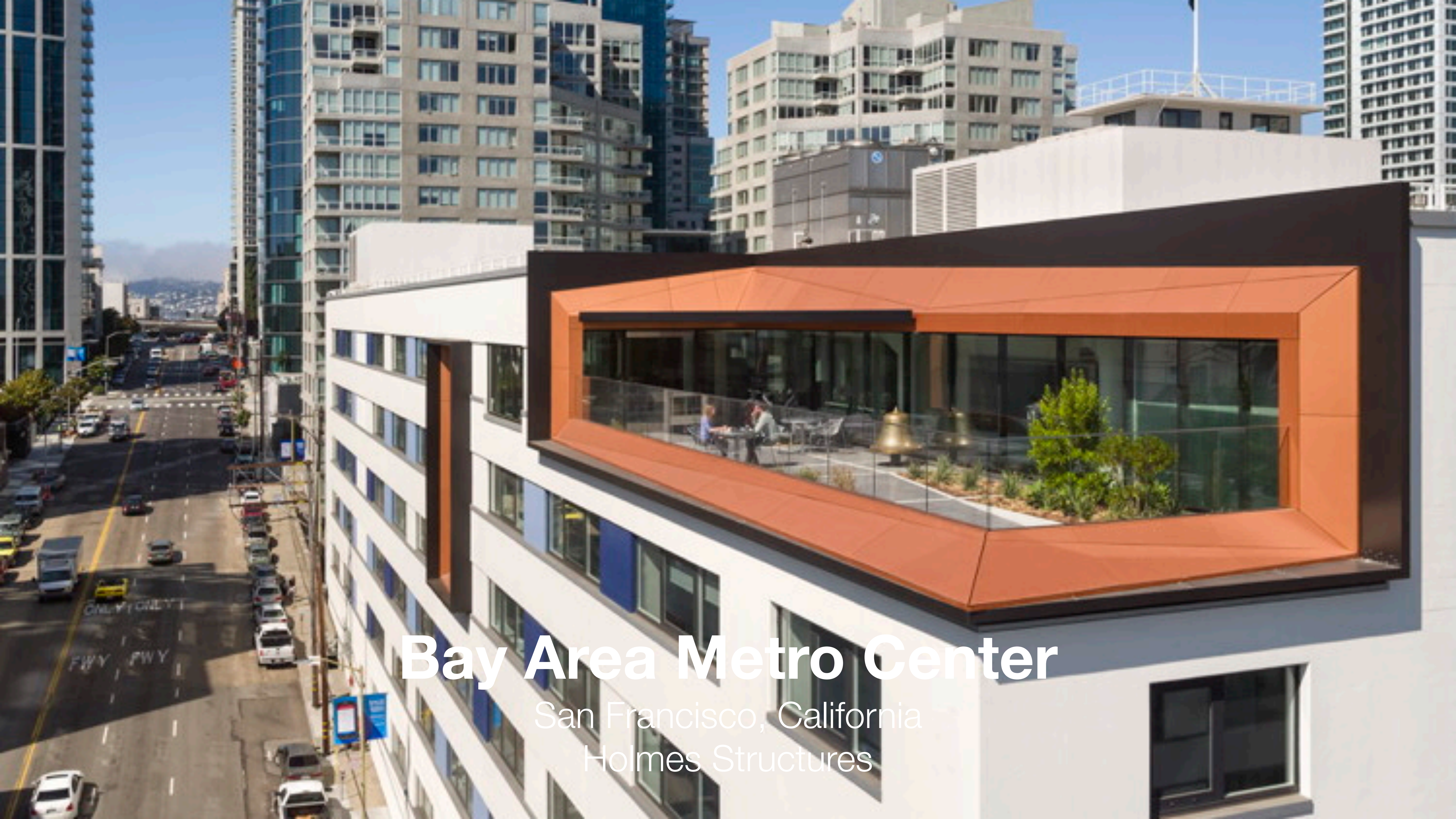
Bay Area Metro Center

San Francisco, California
Holmes Structures



Bay Area Metro Center

San Francisco, California
Holmes Structures



Bay Area Metro Center

San Francisco, California
Holmes Structures



Empire Stores

Brooklyn, New York
Silman

The image shows a multi-level interior space with a mix of old and new architecture. A prominent feature is a large, dark-framed glass wall that provides a view into an office area. The office contains desks, whiteboards, and a clothing rack. Above the glass wall is a brick wall with several arched windows. To the right, there is a mezzanine level with a glass railing. The overall atmosphere is industrial and modern.

Empire Stores

Brooklyn, New York
Silman



Empire Stores

Brooklyn, New York
Silman



Empire Stores

Brooklyn, New York
Silman

A photograph of the UC Berkeley Bowles Hall courtyard. The building is a large, multi-story structure made of light-colored stone with many windows. In the foreground, several students are sitting on wooden benches and walking around. A brick walkway leads to a set of stairs on the right side of the image. A large tree is visible on the far right. The sky is clear and blue.

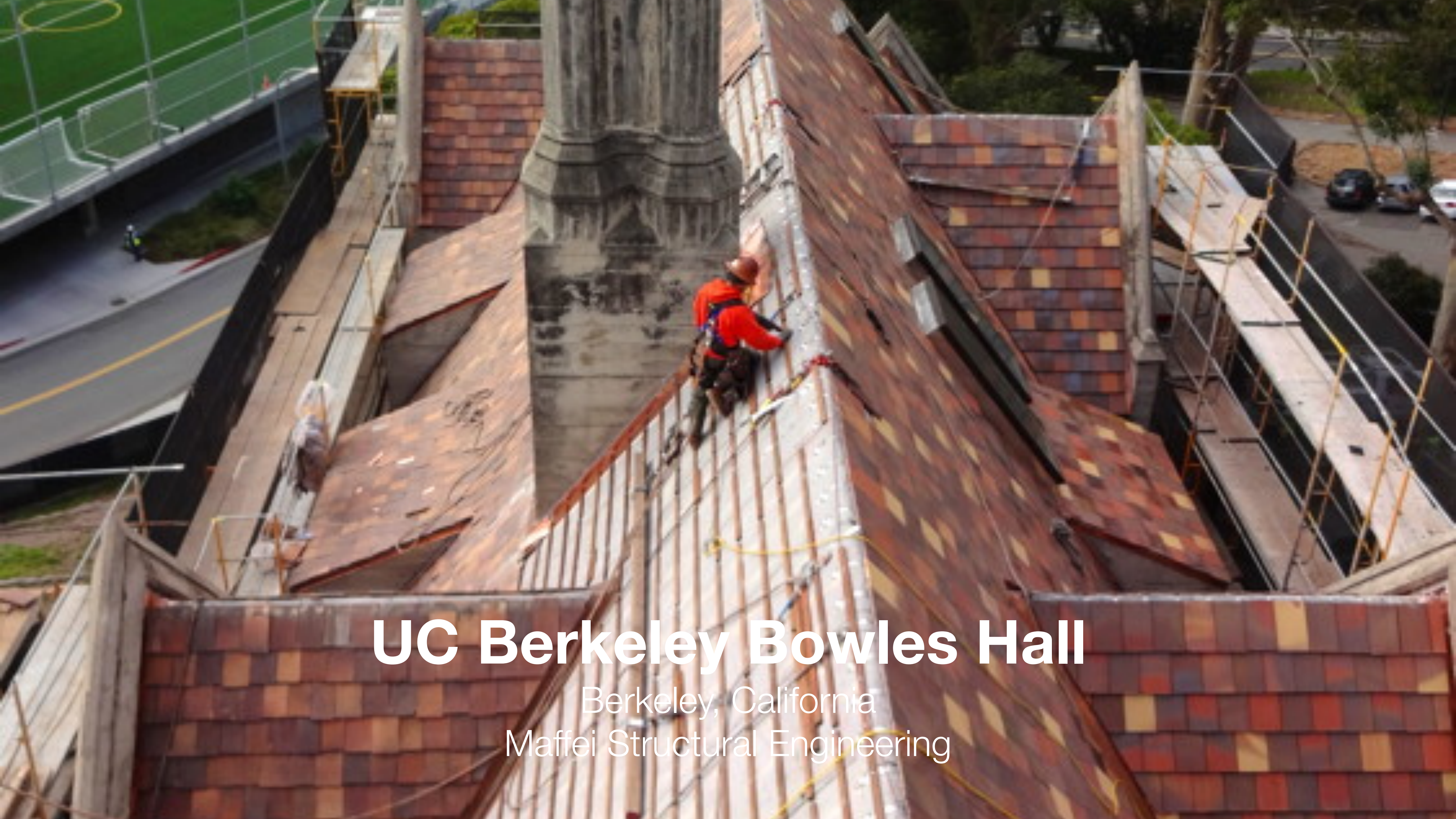
UC Berkeley Bowles Hall

Berkeley, California
Maffei Structural Engineering

The image shows a bright, open-plan dining area with a high ceiling featuring dark wooden beams. Large, multi-paned windows with dark wood frames line the walls, allowing natural light to fill the space. Several large, circular pendant lights with multiple small globe bulbs are suspended from the ceiling. People are seated at long wooden tables, engaged in conversation. In the background, a service counter and kitchen area are visible. The overall atmosphere is clean, modern, and inviting.

UC Berkeley Bowles Hall

Berkeley, California
Maffei Structural Engineering



UC Berkeley Bowles Hall

Berkeley, California
Maffei Structural Engineering



UC Berkeley Bowles Hall

Berkeley, California
Maffei Structural Engineering



Category
Other Structures

NCSEA Excellence in Structural Engineering Awards



Black Rock Lighthouse Service

Black Rock City, Nevada
Holmes Structures

A tall, cylindrical tower made of stacked wooden planks, leaning slightly to the right. It has a dark doorway at the base and a small arched window on the side. A thin white pole extends from the top. The tower is situated in a flat, sandy desert landscape under a clear blue sky with a few wispy clouds. In the background, there are other smaller wooden structures and distant mountains.

Black Rock Lighthouse Service

Black Rock City, Nevada
Holmes Structures



Black Rock Lighthouse Service

Black Rock City, Nevada
Holmes Structures



Black Rock Lighthouse Service

Black Rock City, Nevada
Holmes Structures




Broad Museum Veil

Los Angeles, California
John A. Martin and Associates, Inc.



Broad Museum Veil

Los Angeles, California
John A. Martin and Associates, Inc.



Broad Museum Veil

Los Angeles, California
John A. Martin and Associates, Inc.



Broad Museum Veil

Los Angeles, California
John A. Martin and Associates, Inc.



Chicago Riverwalk

Chicago, Illinois

Alfred Benesch & Company



Chicago Riverwalk

Chicago, Illinois

Alfred Benesch & Company



CABLE CROSSING
CITY OF CHICAGO
DO NOT ANCHOR

Chicago Riverwalk

Chicago, Illinois
Fred Benesch & Company



Chicago Riverwalk

Chicago, Illinois

Alfred Benesch & Company



Category
New Buildings
Less Than \$20 Million

NCSEA Excellence in Structural Engineering Awards



1908 Shattuck

Berkeley, California

Tipping Structural Engineers



1908 Shattuck

Berkeley, California
Tipping Structural Engineers



1908 Shattuck

Berkeley, California
Tipping Structural Engineers



1908 Shattuck

Berkeley, California

Tipping Structural Engineers

The image shows a modern, multi-story building with a prominent glass facade. The building is illuminated from within, and the interior lights are visible through the glass. The sky is a deep blue, suggesting dusk or dawn. The building has a cantilevered upper section with a series of horizontal metal bars. The foreground shows a paved walkway and some landscaping.

The Collegiate Center at Edison

Tulsa, Oklahoma

Wallace Engineering - Structural Consultants, Inc.

A wide-angle photograph of a modern, bright interior space, likely a student center lounge. The room features large floor-to-ceiling windows on the left and back, offering a view of green trees and a clear sky. The ceiling is white with recessed lighting and air conditioning units. The floor is covered in a grey and white striped carpet. In the foreground, a young man with short brown hair, wearing a black polo shirt and light-colored shorts, is sitting on a blue modular sofa, looking at a tablet. In the background, other people are visible: a man in a white shirt is walking, and a woman is sitting at a table. The overall atmosphere is clean, bright, and contemporary.

The Collegiate Center at Edison

Tulsa, Oklahoma

Wallace Engineering - Structural Consultants, Inc.

The image shows a modern building with a prominent glass facade. The upper portion of the building is a multi-story glass curtain wall, reflecting the twilight sky and showing interior office spaces with warm lighting. Below this, there is a section with a light-colored, textured stone or concrete wall. To the right, a glass-enclosed entrance area is visible, featuring a set of double doors and a walkway. The foreground consists of a paved walkway with small trees and greenery. The overall atmosphere is serene and professional.

The Collegiate Center at Edison

Tulsa, Oklahoma

Wallace Engineering - Structural Consultants, Inc.

A photograph of a modern building with large glass windows and a prominent cantilevered upper section. The interior lights are on, and the sky is a deep blue. A tree is on the left, and a grassy area is on the right.

The Collegiate Center at Edison

Tulsa, Oklahoma

Wallace Engineering - Structural Consultants, Inc.



The Exchange at 100 Federal Street

Boston, Massachusetts

McNamara-Salvia Structural Engineers



The Exchange at 100 Federal Street

Boston, Massachusetts

McNamara-Salvia Structural Engineers



The Exchange at 100 Federal Street

Boston, Massachusetts

McNamara-Salvia Structural Engineers

An architectural rendering of a modern skyscraper at night. The building features a prominent, illuminated glass and steel structure that tapers towards the top. The main facade is composed of dark, textured panels with large windows, some of which are lit from within. The scene is set in an urban environment with other buildings visible in the background and cars on the street in the foreground. The overall atmosphere is one of a bustling, modern city.

The Exchange at 100 Federal Street

Boston, Massachusetts

McNamara-Salvia Structural Engineers



Category
New Buildings
\$20 Million to \$100 Million

NCSEA Excellence in Structural Engineering Awards

BRONCO RECREATION AND INTRAMURAL COMPLEX 42

Cal Poly Pomona Student Recreation Center

Pomona, California
LPA, Inc.



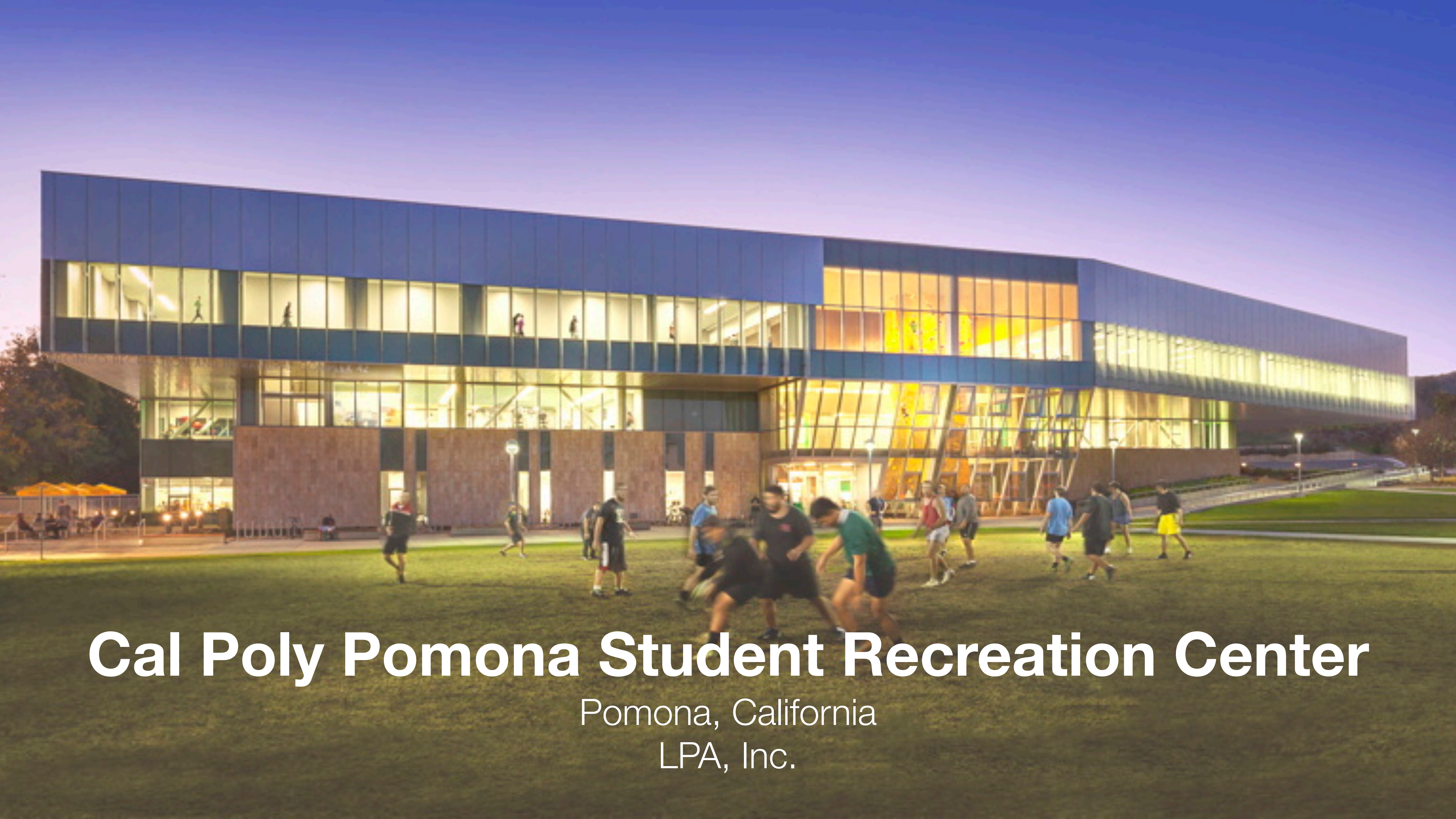
Cal Poly Pomona Student Recreation Center

Pomona, California
LPA, Inc.



Cal Poly Pomona Student Recreation Center

Pomona, California
LPA, Inc.



Cal Poly Pomona Student Recreation Center

Pomona, California
LPA, Inc.



Center for Character and Leadership Development

Colorado Springs, Colorado
Skidmore, Owings & Merrill, LLP



Center for Character and Leadership Development

Colorado Springs, Colorado
Skidmore, Owings & Merrill, LLP



Center for Character and Leadership Development

Colorado Springs, Colorado
Skidmore, Owings & Merrill, LLP



Center for Character and Leadership Development

Colorado Springs, Colorado
Skidmore, Owings & Merrill, LLP

Tallwood House at Brock Commons

Vancouver, British Columbia
Fast + Epp



Tallwood House at Brock Commons

Vancouver, British Columbia

Fast + Epp



Tallwood House at Brock Commons

Vancouver, British Columbia
Fast + Epp



Tallwood House at Brock Commons

Vancouver, British Columbia

Fast + Epp

The image shows a bright, modern interior space, likely a design studio or classroom. It features long, light-colored wooden tables with black metal frames and white privacy screens. The ceiling is made of exposed wooden beams and has long, rectangular light fixtures. Large windows on the left and right sides offer a view of a cityscape and greenery. The overall atmosphere is clean, bright, and professional.

University of Massachusetts Design Building

Amherst, Massachusetts
Simpson Gumpertz & Heger, Inc.



University of Massachusetts Design Building

Amherst, Massachusetts
Simpson Gumpertz & Heger, Inc.



University of Massachusetts Design Building

Amherst, Massachusetts
Simpson Gumpertz & Heger, Inc.

A photograph of a modern, multi-story building with a facade of vertical copper-colored panels and large glass windows. The building is set against a bright blue sky with scattered white clouds. The sun is visible in the upper right, creating a lens flare effect on the glass. In the foreground, there are some bushes, a sidewalk, and a few bicycles parked near a building entrance.

University of Massachusetts Design Building

Amherst, Massachusetts
Simpson Gumpertz & Heger, Inc.



Category
New Buildings
More than \$100 Million

NCSEA Excellence in Structural Engineering Awards



Hanking Tower

Shenzhen, China

WSP



Hanking Tower

Shenzhen, China
WSP



Hanking Tower

Shenzhen, China
WSP



Hanking Tower

Shenzhen, China

WSP



JTI Headquarters

Geneva, Switzerland

Skidmore, Owings & Merrill, LLP



JTI Headquarters

Geneva, Switzerland

Skidmore, Owings & Merrill, LLP



JTI Headquarters

Geneva, Switzerland
Skidmore, Owings & Merrill, LLP



JTI Headquarters

Geneva, Switzerland

Skidmore, Owings & Merrill, LLP



Mercedes-Benz Stadium

Atlanta, Georgia
BuroHappold Engineering



Mercedes-Benz Stadium

Atlanta, Georgia

BuroHappold Engineering



Mercedes-Benz Stadium

Atlanta, Georgia
BuroHappold Engineering



Mercedes-Benz Stadium

Atlanta, Georgia
BuroHappold Engineering



California Pacific Medical Center

San Francisco, California
Degenkolb Engineers



California Pacific Medical Center

San Francisco, California
Degenkolb Engineers



California Pacific Medical Center

San Francisco, California
Degenkolb Engineers



California Pacific Medical Center

San Francisco, California
Degenkolb Engineers



Torre Reforma

Mexico City, Mexico
Arup

The image shows a large, modern interior space, likely a lobby or atrium, with a high ceiling and a grid of glass panels. The walls are made of light-colored stone or concrete. On the left, there are large, vertical panels with a golden, textured appearance. The floor is dark and polished, reflecting the light. Several people are visible in the space, including a group of three people near a reception desk and two people on a mezzanine level. The overall atmosphere is bright and open.

Torre Reforma

Mexico City, Mexico
Arup



Torre Reforma

Mexico City, Mexico

Arup



Torre Reforma

Mexico City, Mexico

Arup



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