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UNIVERSITY OF NOTRE DAME
NOV • 2014

59th Annual National Conference



21st Century Mission Architecture

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SAN DIEGO STATE
UNIVERSITY

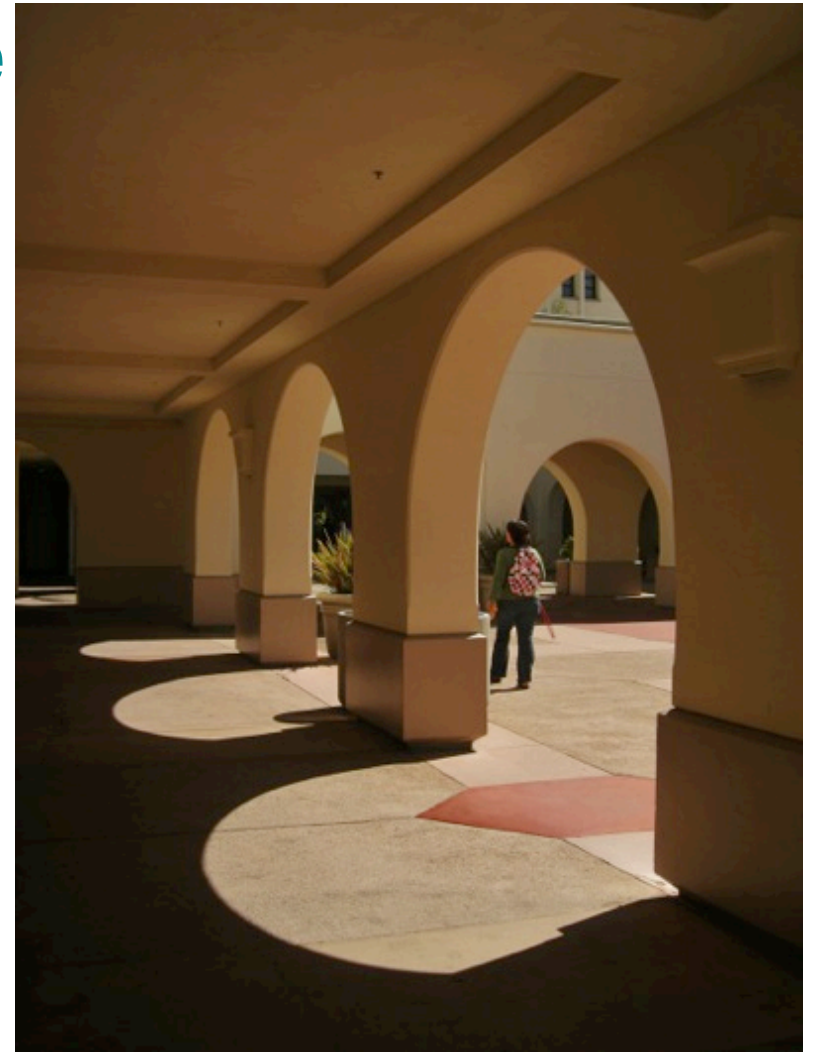
What Does San Diego State Look Like?



This is what San Diego State Tried to Look Like



This is what San Diego State Tried to Look Like

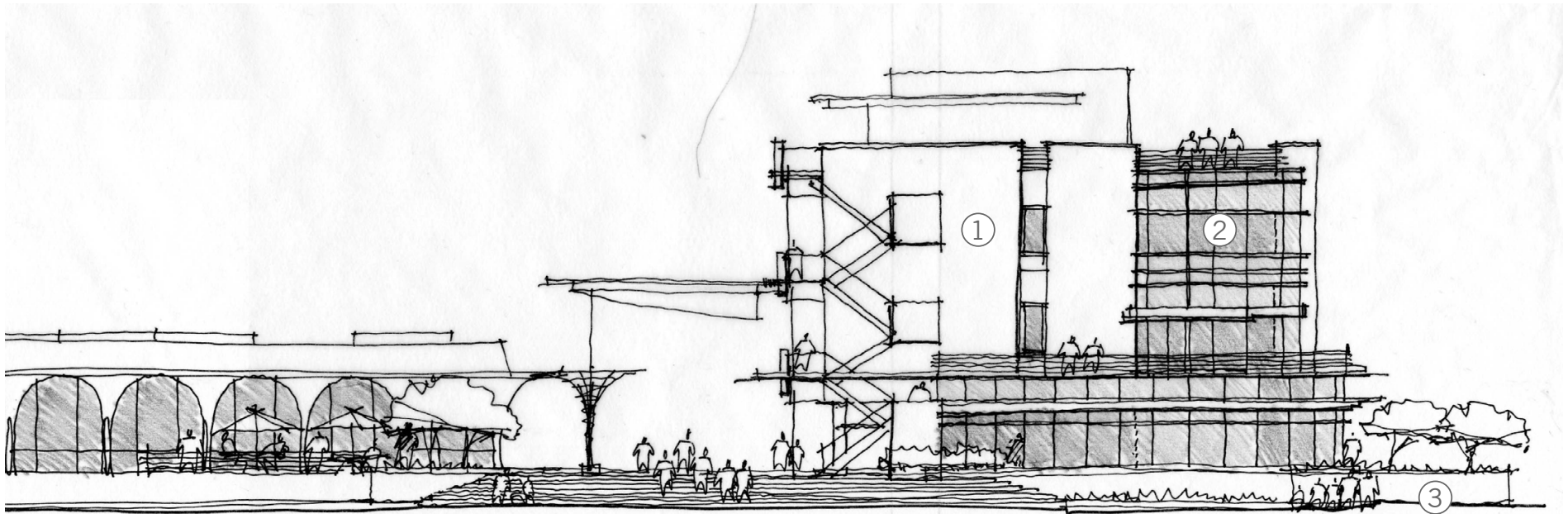


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What Should our Student Union Look Like?



What Should our Student Union Look Like?



CASE STUDY 1

Creating a Campus Fabric



Creating a Campus Fabric



Creating a Campus Fabric



The Downside of Faux The Stucco Skin



CONTROL JOINTS / NO DRIFT JOINTS
MAXIMUM SPACING PER ASTM C1063:
SOUTH ELEVATION



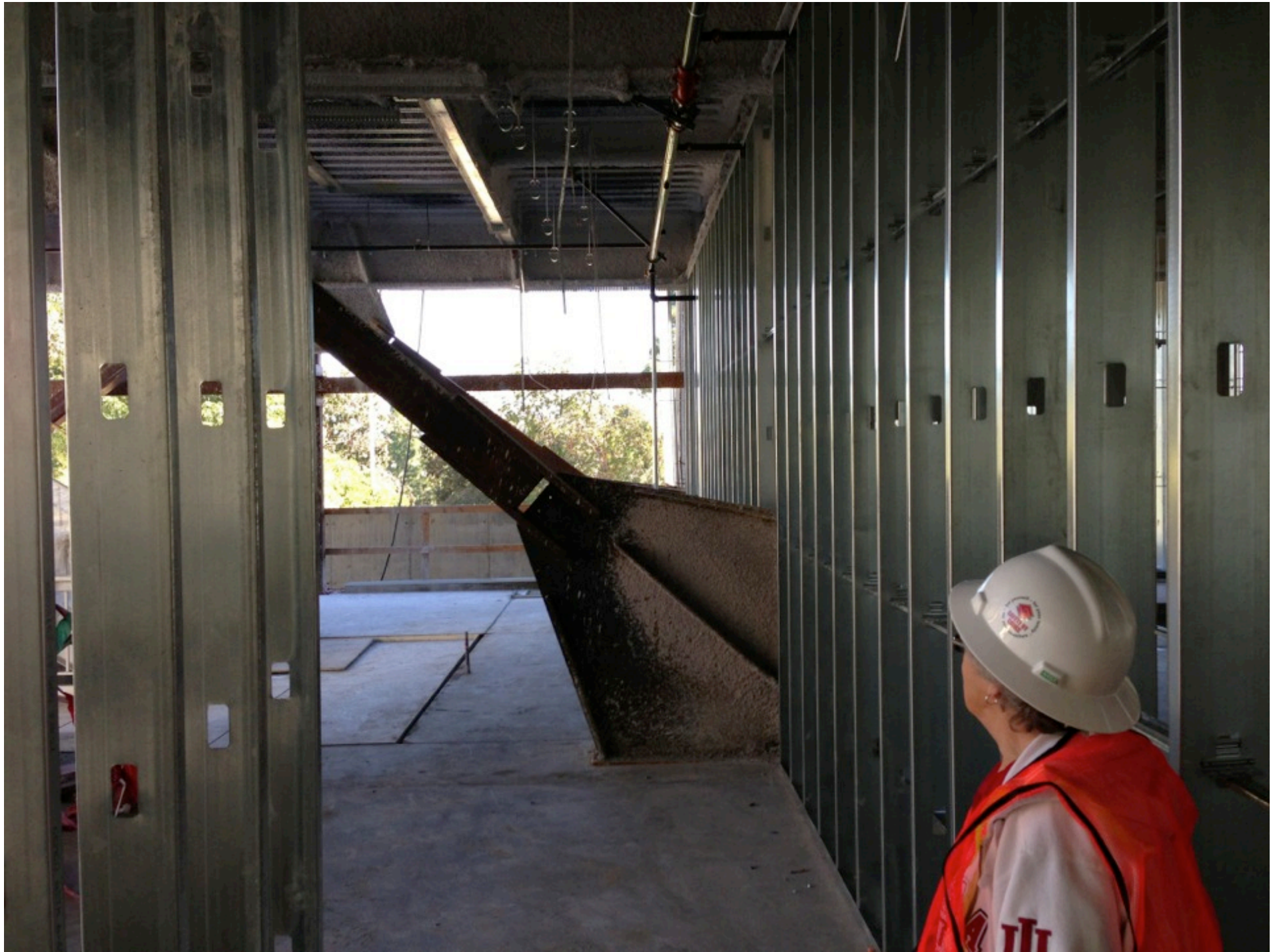
Mission Buildings Are NOT Stucco Stucco Buildings Are NOT Mission



New Mission Buildings Can be Stucco, But not Easily

- Convert a moment frame to braced steel frame.
 - Redesign the fenestration to accommodate braces
- Full waterproof membrane under the stucco.
- Added glass fibers to the scratch and brown coat.
- 30 day rest period before installing the finish coat.
 - Required re-sequencing construction.
- Added a fiberglass mesh under the finish coat.
 - Redesign the finish texture due to mesh.





It's a Faux, Faux, World, or Student Union Anyway

- The Tower
- Which Spaces are “Historic”
- Faux beams
- Missing Thermal Mass
- Roofing Tile Boost
- Missing History
- Colonnade Beams
- Post 9-11 Security & Courtyard Buildings

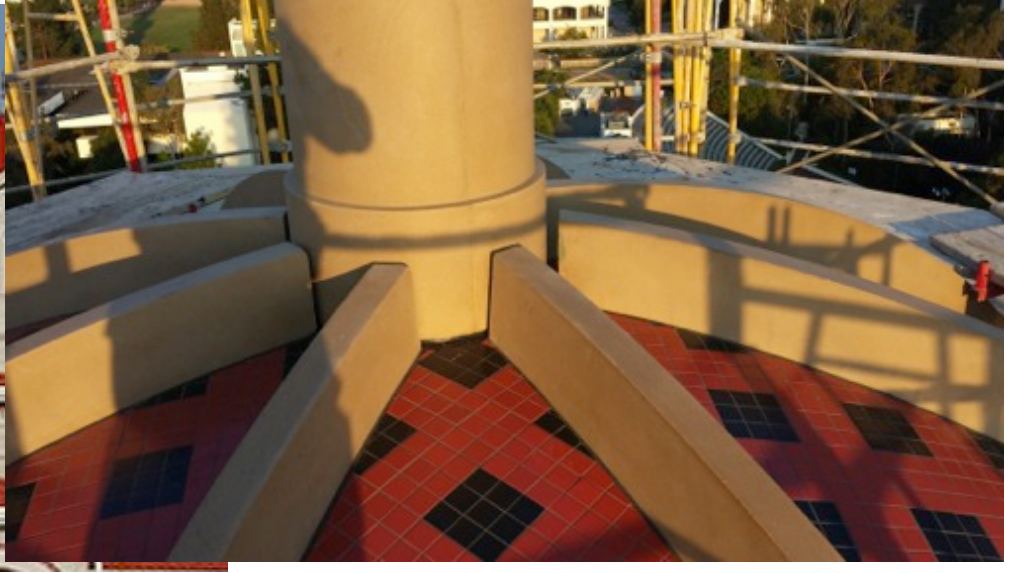
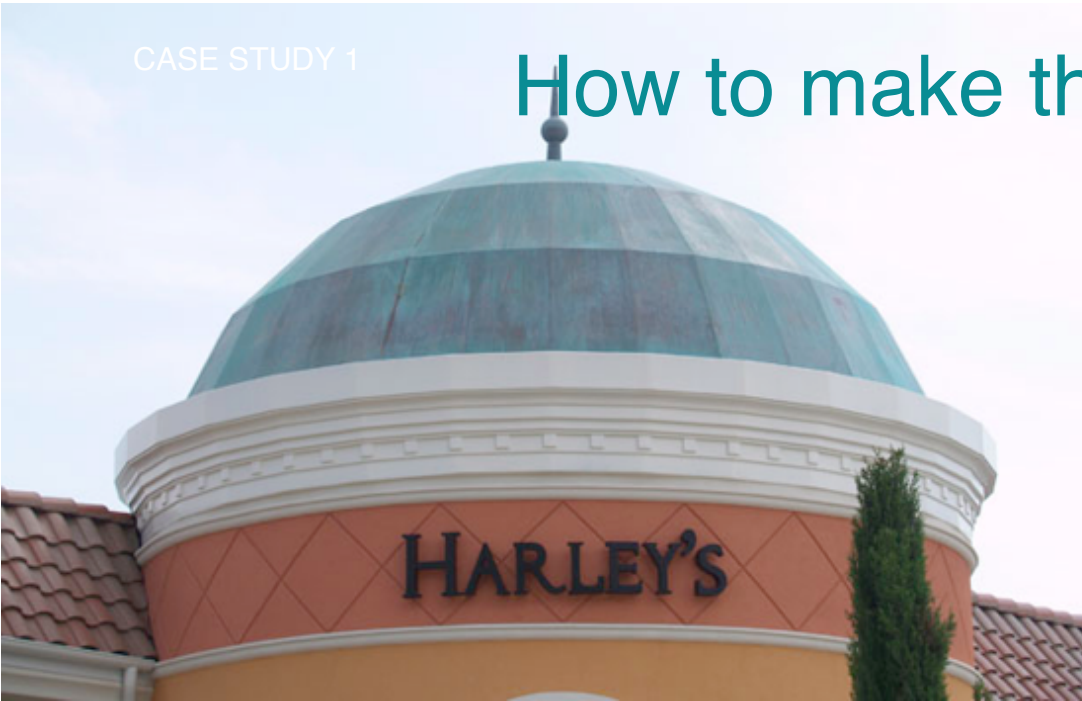


\$101 Million Exclamation Point

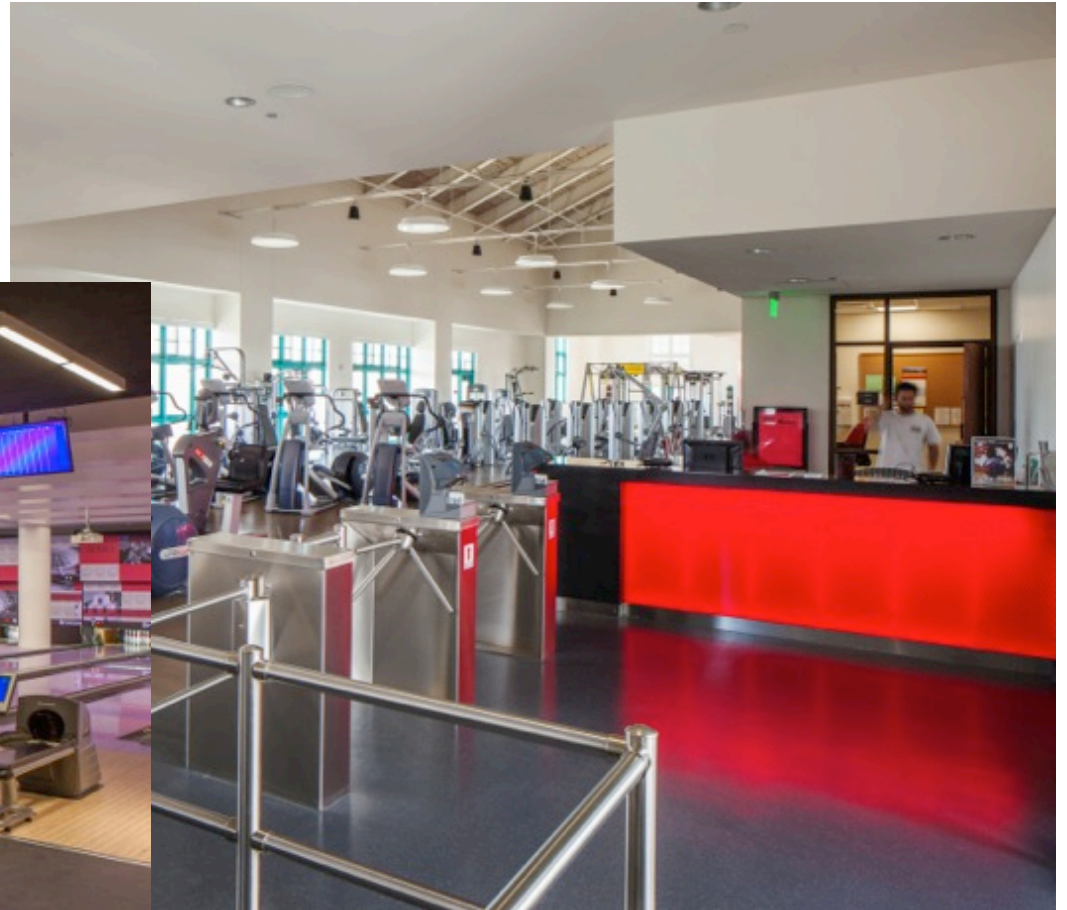


CASE STUDY 1

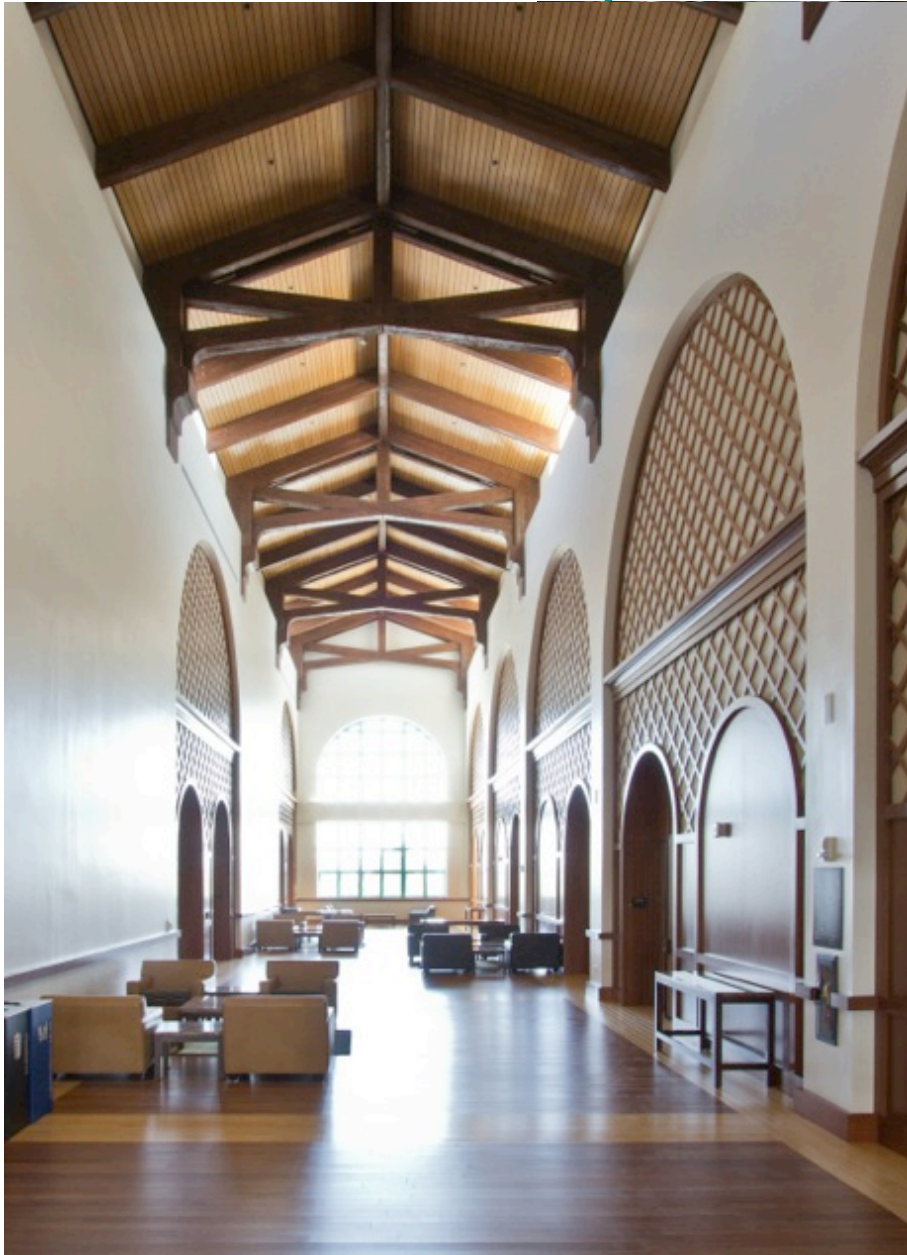
How to make the point



Modern Spaces in a historic building?



Modern Spaces in a historic building?



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There is Faux, and
then there is Fake.





A New Old Roof



Missing History



Missing History



The Colonnades



Post 9-11 Security & Courtyard Buildings

And those pesky transients.



CEPTED **C**rime Prevention **T**hrough **E**nvironmental **D**esign

Post 9-11 Security & Courtyard Buildings

And those pesky transients.



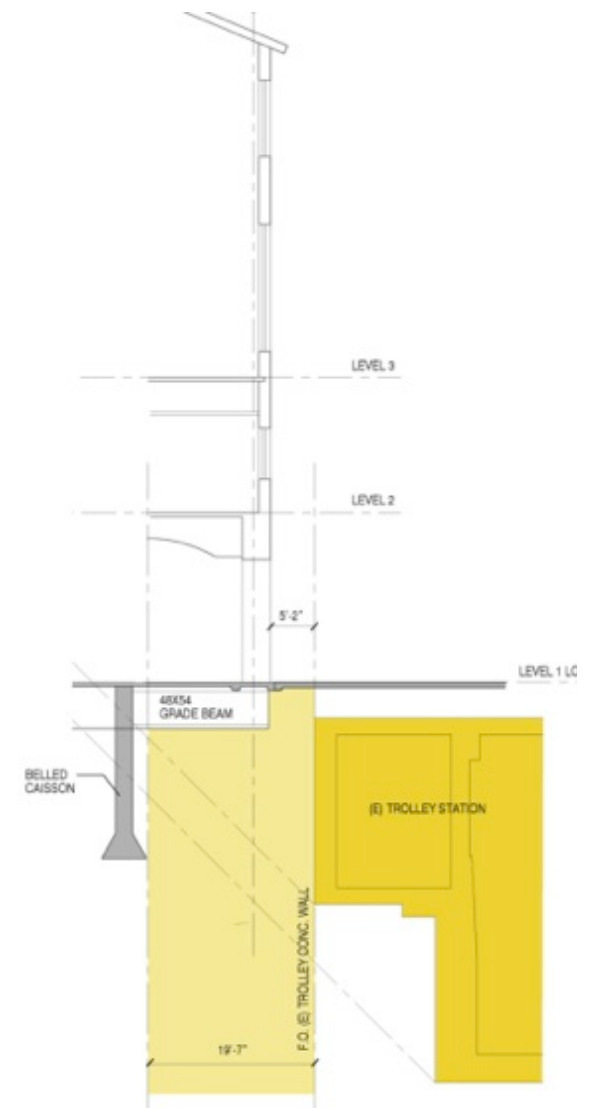
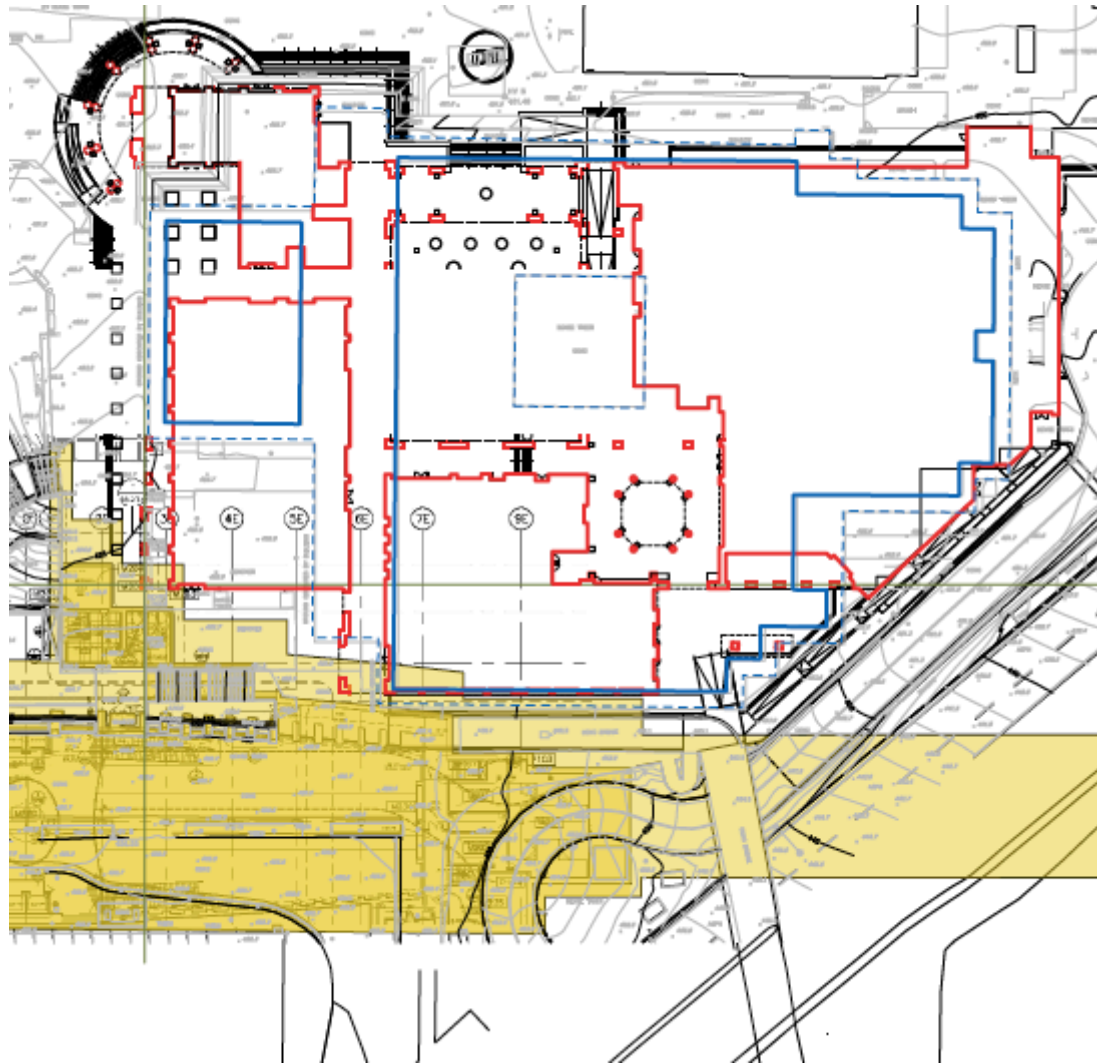
CEPTED vs Courtyard Design

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The Upsides of Faux



The Upsides of Faux



SECTION 3
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So What Does it Mean for the Future?



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So What Does it Mean for the Future?



Lessons Learned

- Design Standards Matter
 - Late Decisions were expensive.
- Push for even tighter connection to adjacent buildings.
- We thought we knew how much the courtyards mattered
 - They actually mattered much more.
 - Donor interest
 - Student Spaces
- The Courtyard Design is crucial
 - Must have circulation and by-ways
- In a post 9-11 World
 - Transients are a bigger impact than terrorists.



Lessons Learned



Lessons Learned



Lessons Learned



Lessons Learned



So What Does it Mean for the Future?

Destination SDSU

Campus Design Standards

West Campus Housing

New Engineering Building

Destination **SDSU.**





MAIN GATEWAY AT CAMPANILE & MONTEZUMA CONCEPT - ELEVATION

Campus Design Standards

San Diego State University Architectural Guidelines

Campus History

In 1887, the university was a two year "Normal School" located in temporary buildings in downtown San Diego. SDSU broke ground on its current location in 1929, and opened its doors in 1931. Throughout the 1930's a number of Works Projects Administration buildings were constructed and still exist in the campus academic core. Hepner Hall and Hardy tower became the iconic symbols of campus with its mission architectural style strongly influenced by the Moorish and Spanish building details. Other buildings would rise up as needed and by 1941 the campus had enrolled 3,000 students.



Hepner Hall (1931)

Hardy Tower (1931)

Form and Massing

Campus buildings are to be primarily space-defining buildings, rather than space-occupying buildings. The buildings should support, enclose, frame and reinforce outdoor public spaces and help give these spaces their memorable qualities.



Historic Quadrangles

Centennial Mall

Entries and passage ways are also a common location for decorative emphasis. Acceptable treatments include contrasting color, material or rustication at arched openings, decorative carved or cast columns supporting the arch, simple heavy timber lintels or unusually shaped arches, such as horseshoe, serrated or pointed.



Hepner

Ex. & Nutrition Sc.

Comm.

Student Union

Hardy Tower

Building mounted light fixtures are another opportunity for a decorative element. Moorish style hanging lanterns were typical in the older buildings, but similar decorative metal flush ceiling mounted and wall sconce fixtures such as those used at the Student Union are equally successful.



Hepner

Student Union



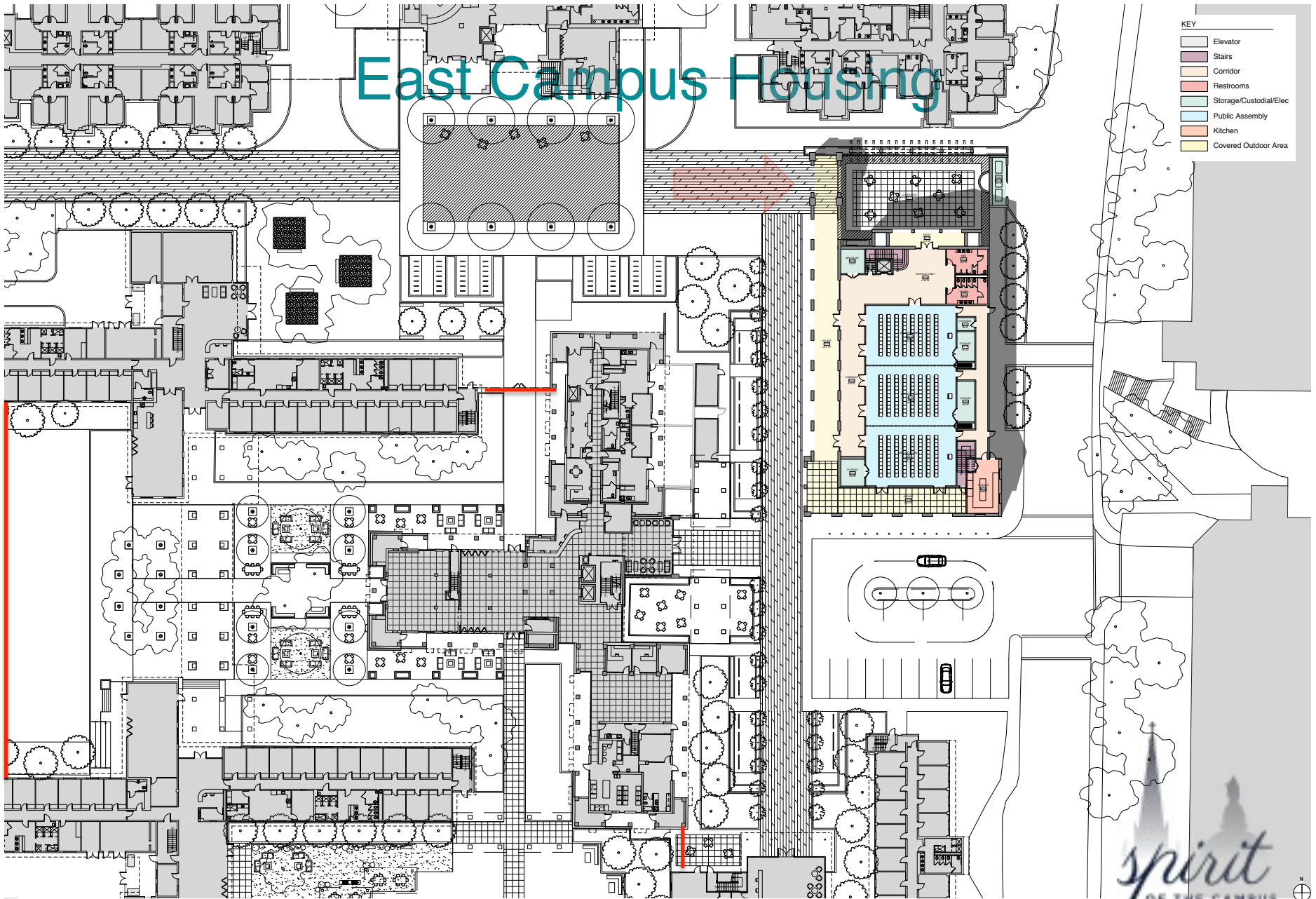
West Campus Housing



East Campus Housing



East Campus Housing



- KEY
- Elevator
 - Stairs
 - Corridor
 - Restrooms
 - Storage/Custodial/Elec
 - Public Assembly
 - Kitchen
 - Covered Outdoor Area

TULA PAVILION
PROPOSED FIRST FLOOR PLAN - SCHEME 3
OCTOBER 10, 2017

New Academic Buildings



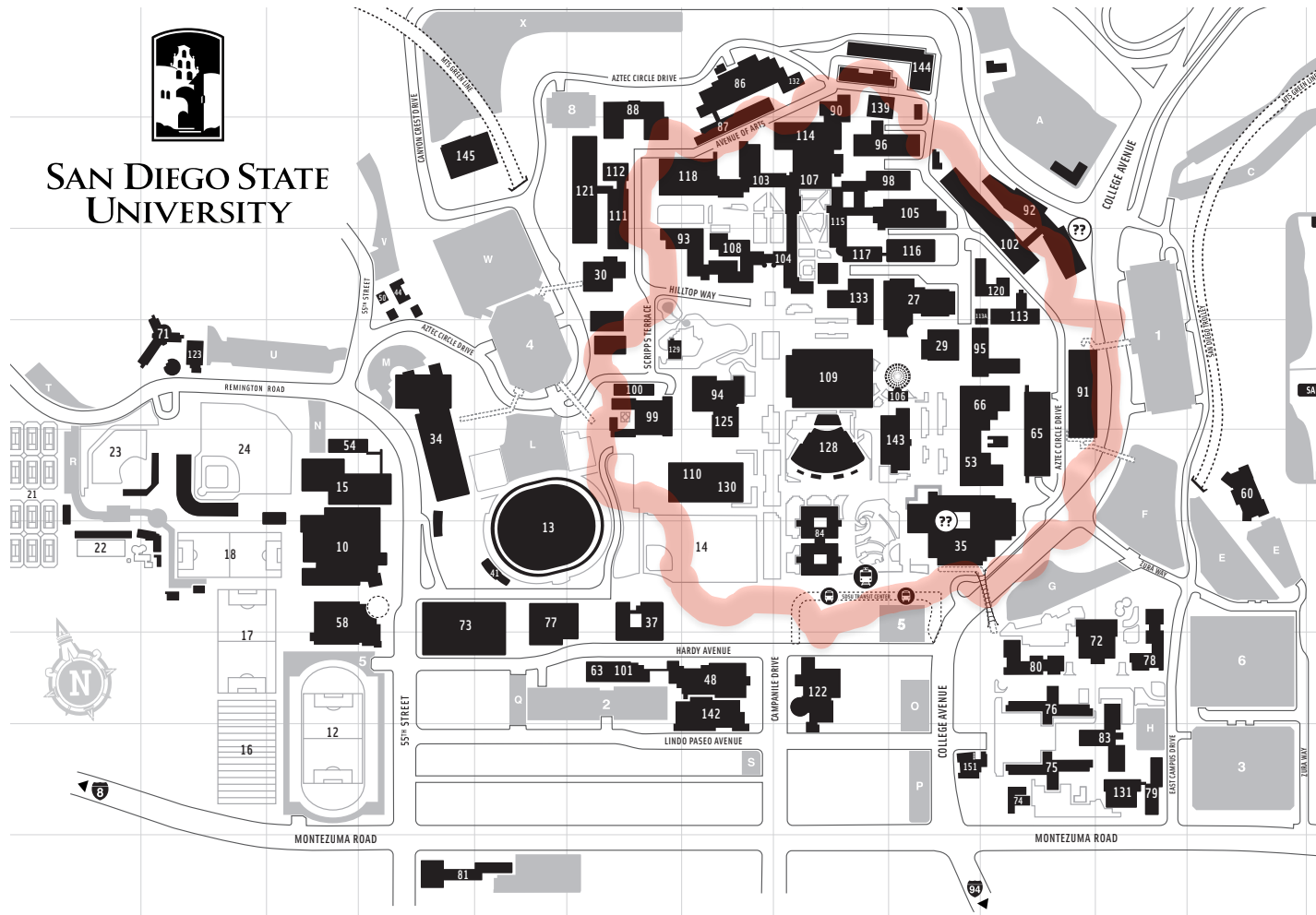
New Academic Buildings



Other Building Types



What is the Campus Core?



Questions?

