

Facade Design Approaches  
BART TOF Building  
Lake Merritt BART Plaza  
Oakland

September 2017

# transparent base / enclosed top

The TOF Building will have a largely closed facade on the upper portion due to its function. We suggest creating an architectural design that plays with the quality of open versus closed facade elements. The textures, material, and details will work to refine the closed facade portion, so it becomes an interesting asset to the surrounding urban space.

Examples of buildings with transparent base and closed upper portions:



Tel Aviv Museum of Art, Tel Aviv, Israel  
Preston Scott Cohen Architects



Université Paris Descartes, Lecture Hall,  
Paris, France  
AZC Architects  
Wood Siding, Glass



Archive of the Evangelical Lutheran  
Church of Bavaria, Nuremberg, Germany  
Gerkan, Marg & Partners Architects  
Copper Siding, Glass, Sandstone

The following pages are examples for alternative options to include cultural content, materials and textures for the upper portion of the TOF building facades.

# texture, materiality, light



Greyder Shoe Factory, Ankara, Turkey  
Cirakoglu Architects



Gymnasium, Asnières-sur-Seine, France  
Ateliers O-S Architects



Design for Guggenheim Museum, Helsinki, Finland  
Malcom Reading

# cultural reference / traditional material - brick

Brick is one of the building materials that is most widely used in traditional Chinese architecture. It continues to be used in contemporary construction in innovative ways, while referencing China's rich brick building traditions rich in texture and patterns.

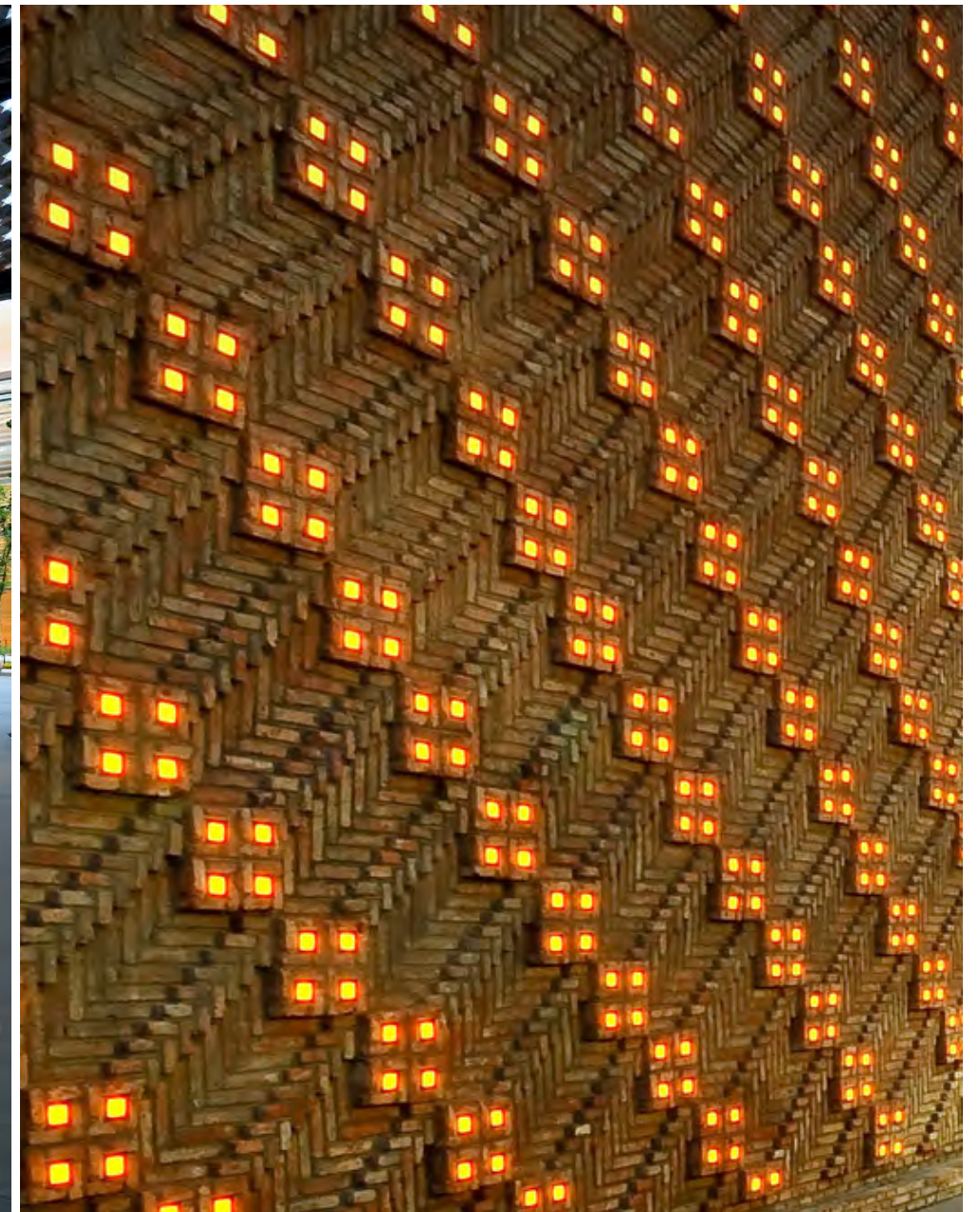
Lanxi Courtyard, Chengdu, China  
Archi-Union Architects

Historic Brick Buildings, Beijing, China



# cultural reference / traditional material - brick

Pavilion 4, Re-purposed Industrial Buildings, Shanghai World Expo 2010, China  
HMA Architects



# rich textures

Facade, Teheran, Iran  
Admun Studio

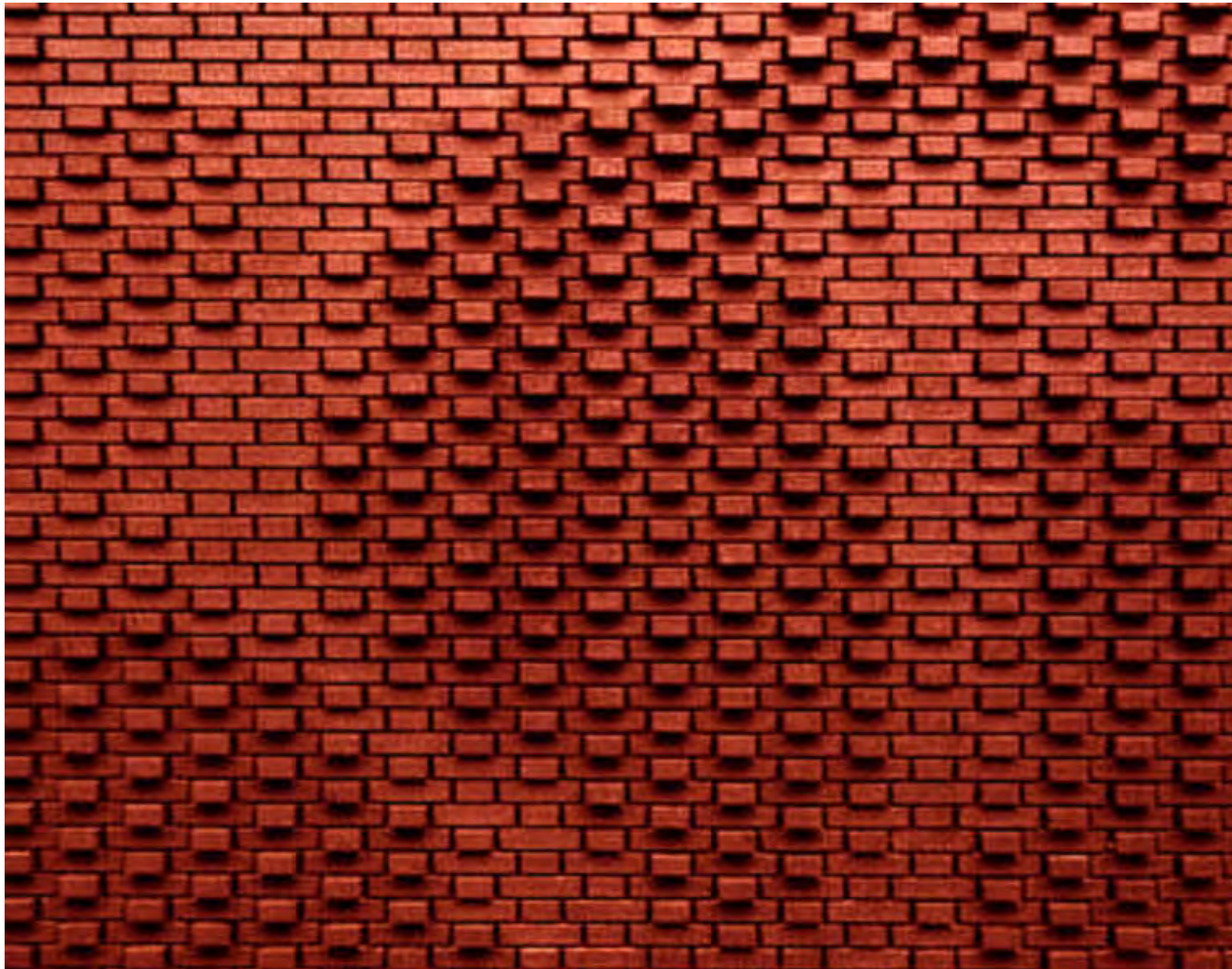


Dr. Chau Chak Wing Building, Sydney, Australia  
Frank Gehry Studio



# images & patterns

Parametric Design for Brick Surfaces, Software  
Zwarts & Jansma Architects, Netherlands



# cultural reference / traditional material - bamboo

There are over 500 different species of bamboo in China. Bamboo is at the heart of many traditions and customs and is traditionally used as a building material in both permanent and temporary construction.

Bamboo Women - Stories from Ming Quong  
Nona Mock Wyman

"fortunately [the teachers at Ming Quong] had taught us the suppleness of "bamboo mentality". We knew how "to compromise, to yield, but to move forward unbroken," ..."



Hostel Buildings, Bamboo Biennial, Baoxi, China  
Anna Heringer



Hong Kong Convention and Exhibition Center, Temporary Scaffolding



# texture

Kantha Bopha Conference Center, Siem Reap, Cambodia  
Asma Architects

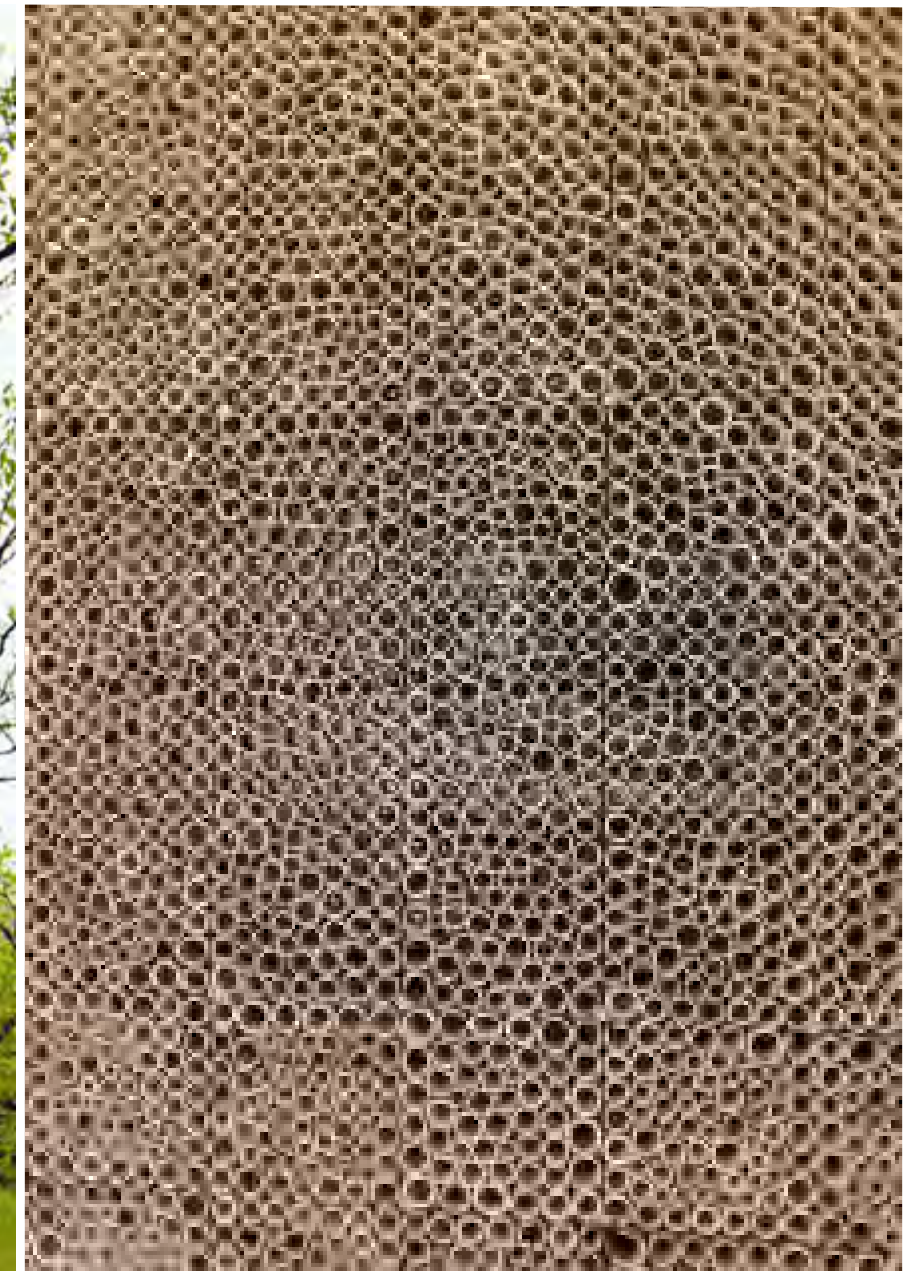


Bamboo Facade, Brasil

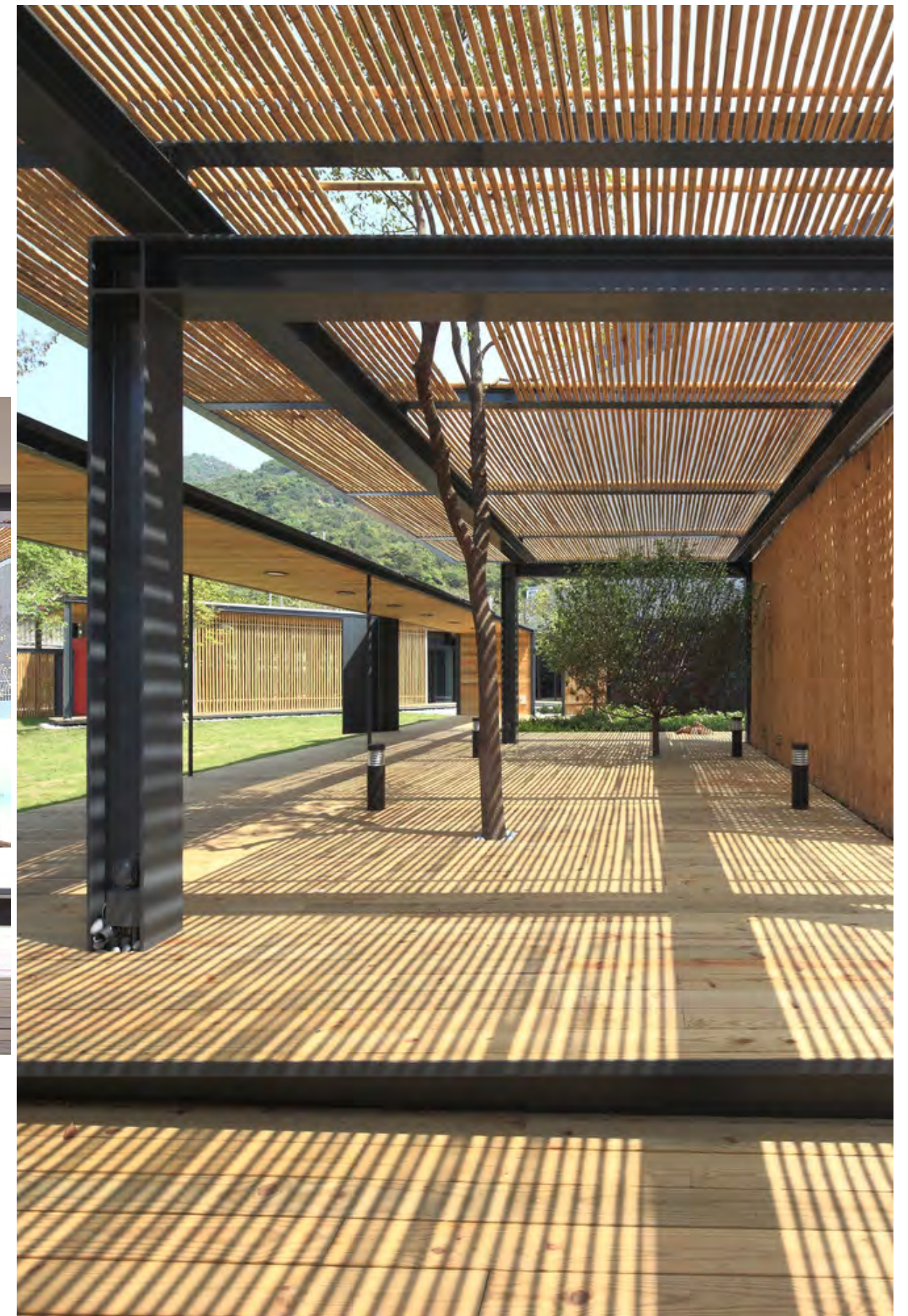


texture, transparency, light

Sean Godsell Architects, Chinese International Practical Exhibition



texture, transparency, space

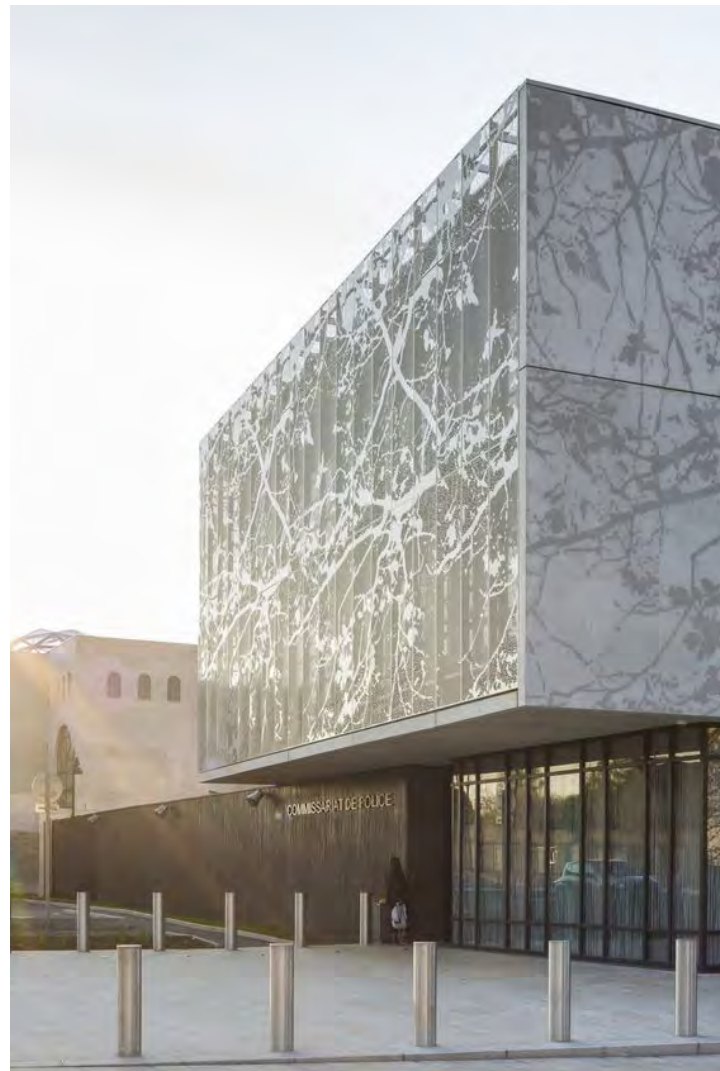


Community Green Station, Hong Kong  
Hong Kong Architectural Services Department

# organic / inorganic



Police Station, Les Mureaux, France  
Ameller, Dubois & Associates



## cultural reference - folding



Chinatown's population includes immigrants from various Asian communities. One Japanese American tradition that is practiced in the community is origami paper folding (i.e. origami classes are taught at the Oakland Asian Cultural Center).

### Folded Paper Flowers:

CACA (Chinese American Citizens Alliance) was selling paper flowers for support of China during WWII, which speaks to the fact that paper folding was also part of the Chinese community. We have so far not been able to find images of these flowers for reference.

Fortune cookies appeared in the United States in the 1900s. This was not a tradition imported from China. The cookie's origin is believed to be Japanese, yet it has become synonymous with Chinese American cuisine.

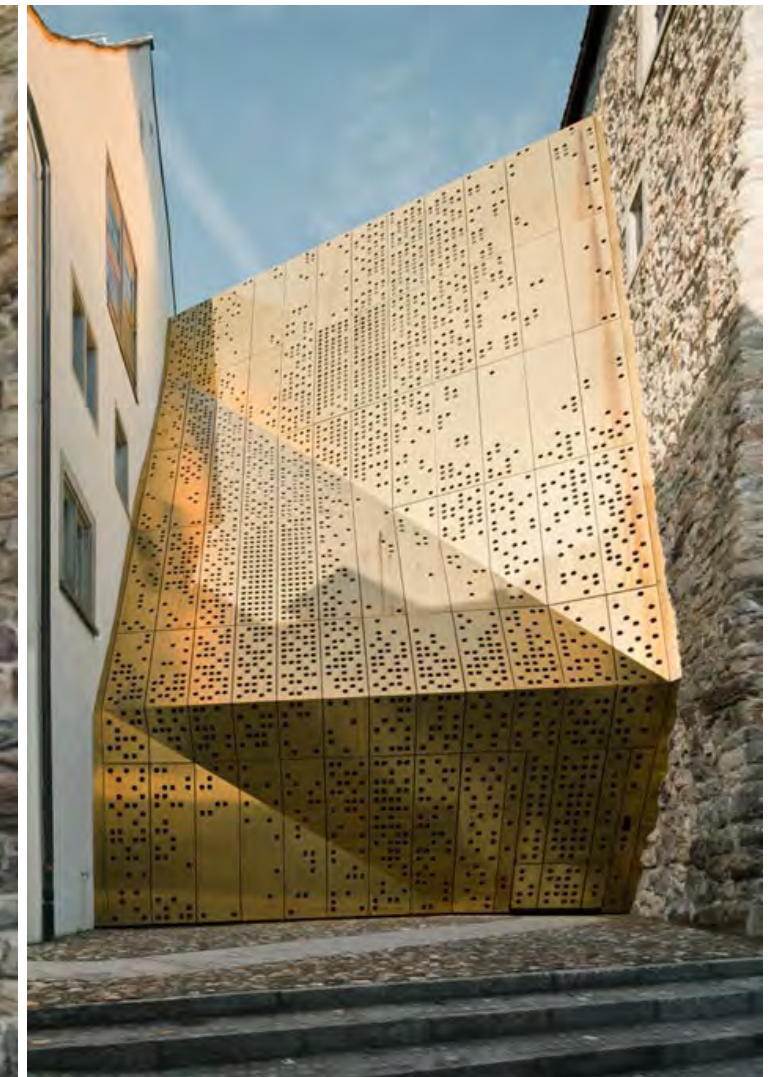
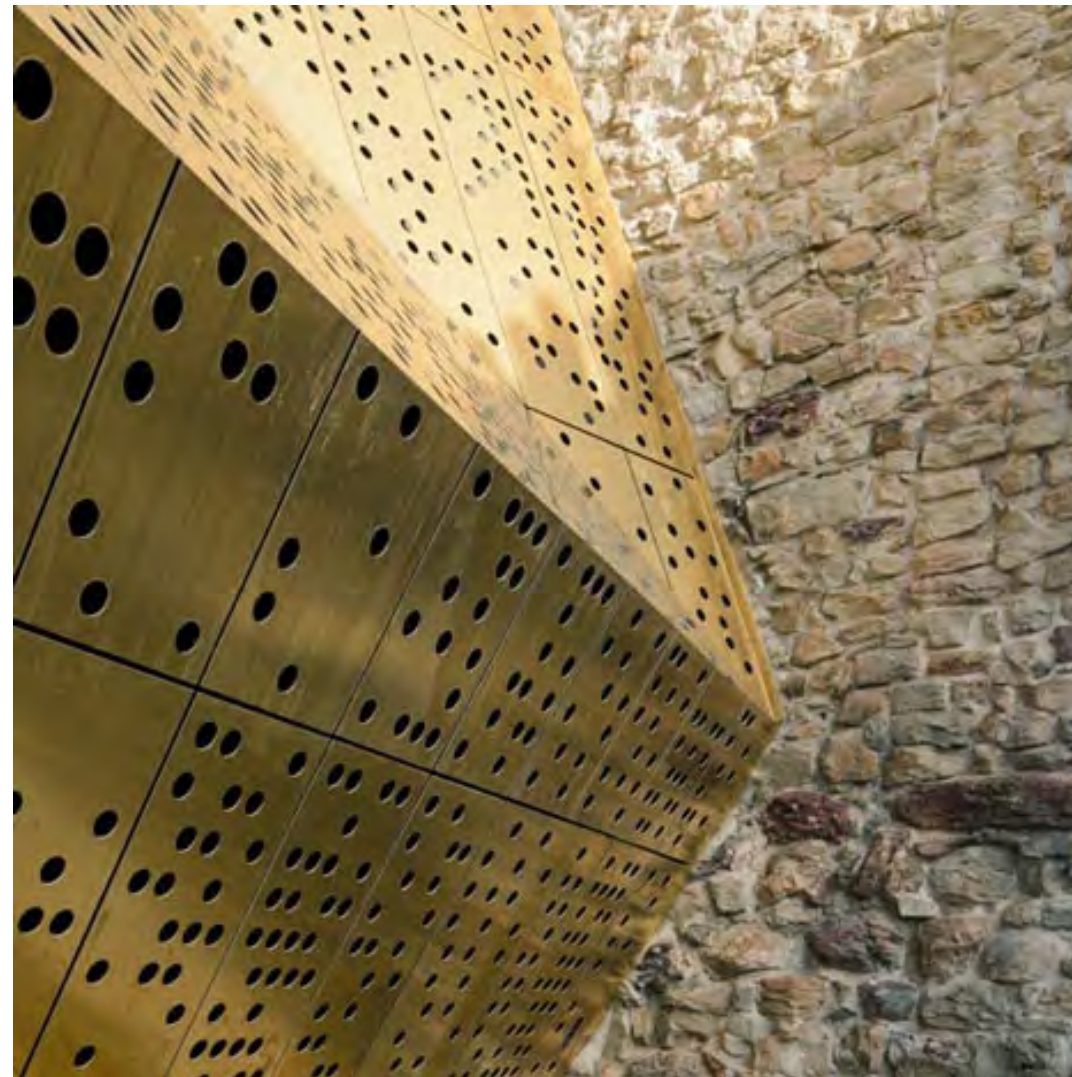
### Fortune Cookie Factories in Oakland Chinatown:

- Fortune Cookie Factory, 261 12th St
- Kar Mee, 221 7th St (closed)
- Tom's Bakery Fortune Cookies, 295 9th St
- Inventor of Fortune Cookie Folding Machine: Oakland resident Shuck Yee, 1973

# folding & facets - metal

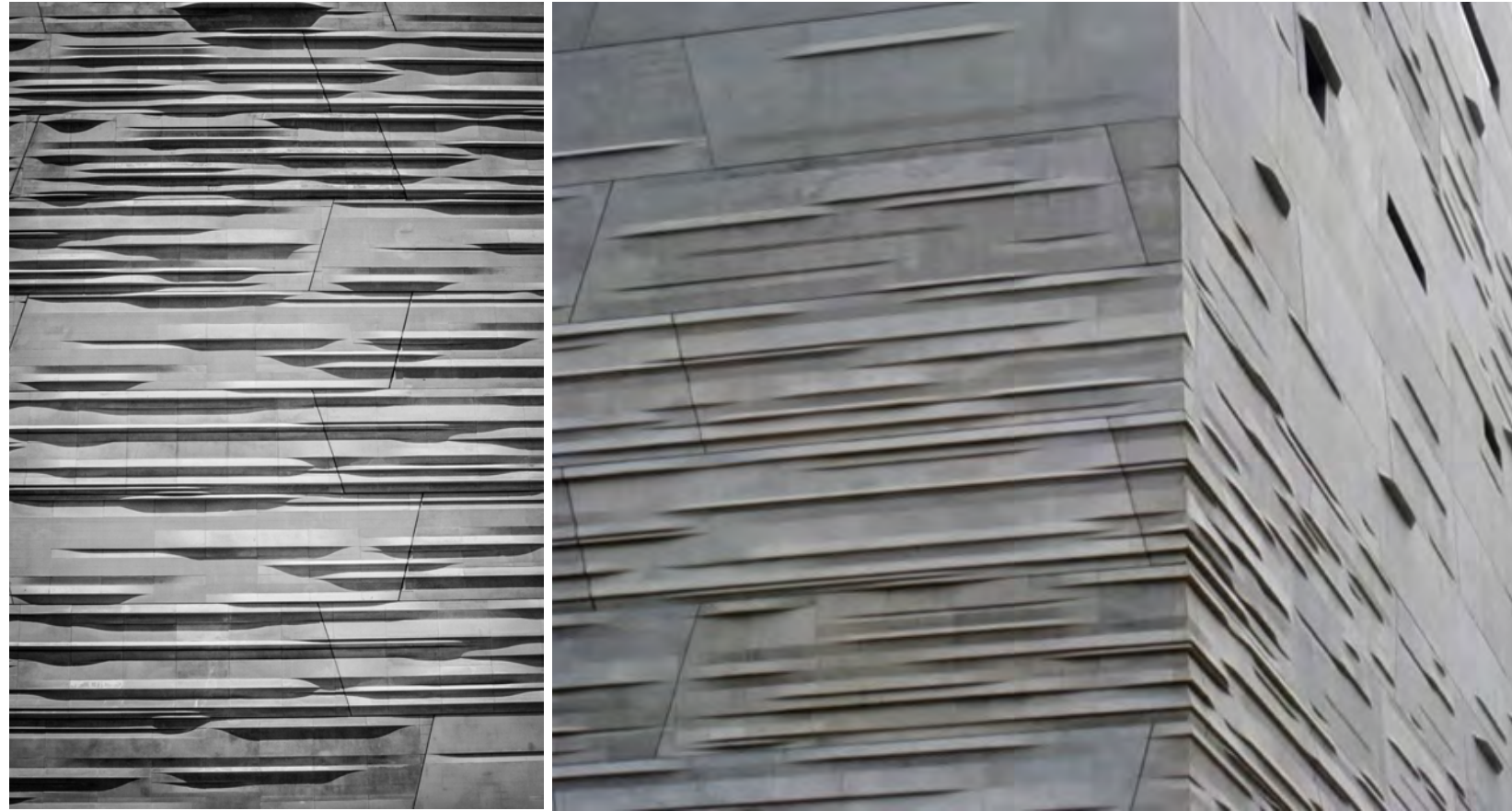


Dalian International Conference Center, Dalian, China  
Coop Himmelblau



Museum Rapperswil-Jona, Switzerland  
MLZD Architects

# folding & facets - precast concrete

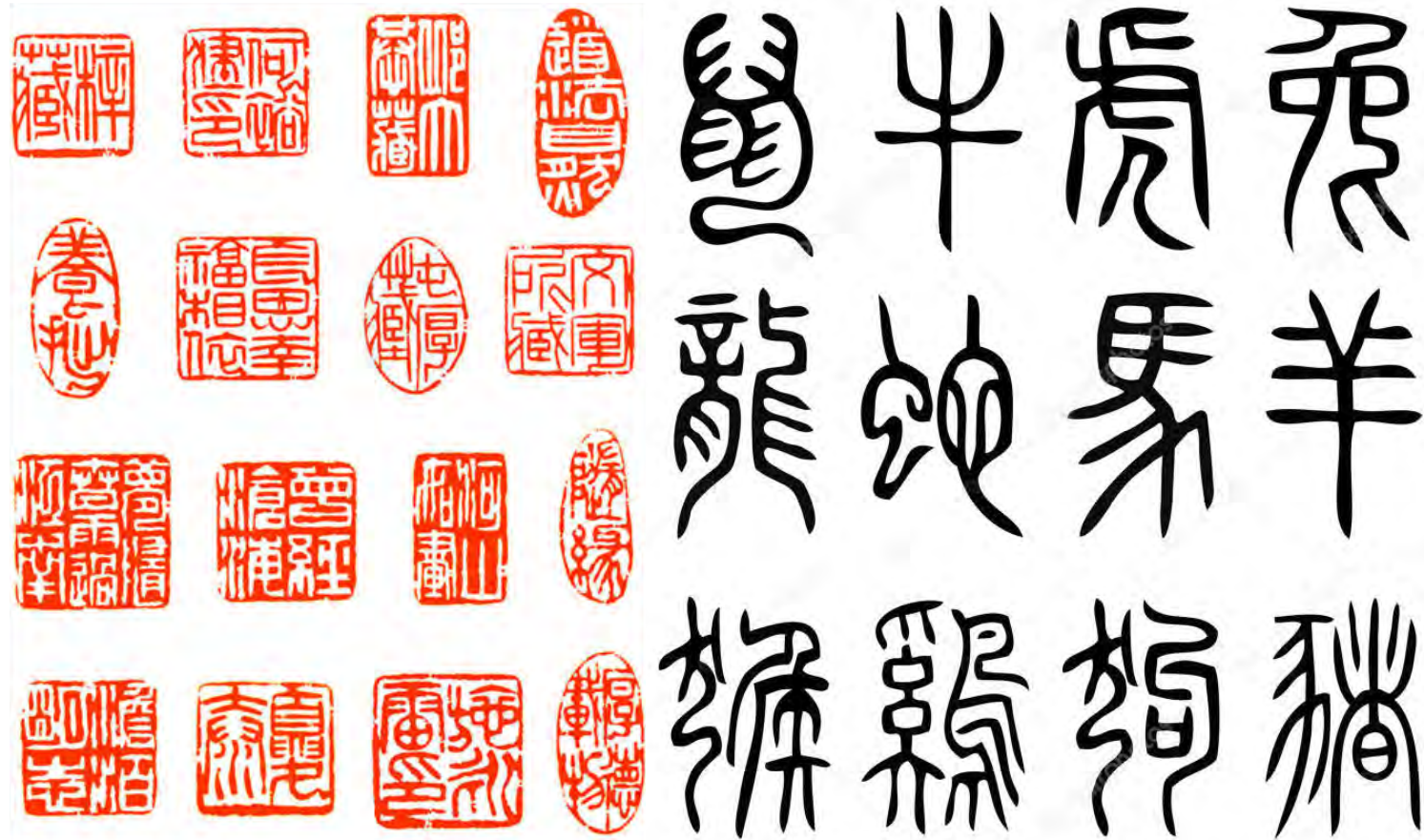


Perot Museum of Nature and Science, Dallas, TX  
Morphosis Architects

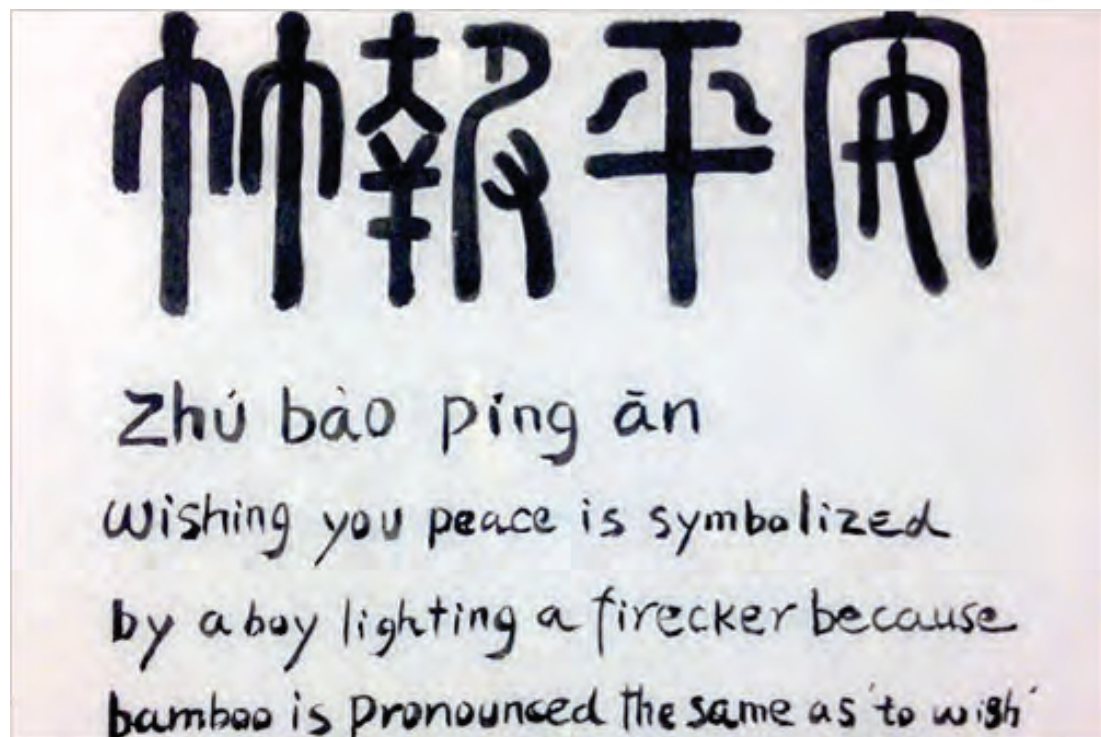
Sun Devil Energy Center at Arizona State University, Tempe, AZ  
Machado and Silveti Associates



# cultural reference - calligraphy

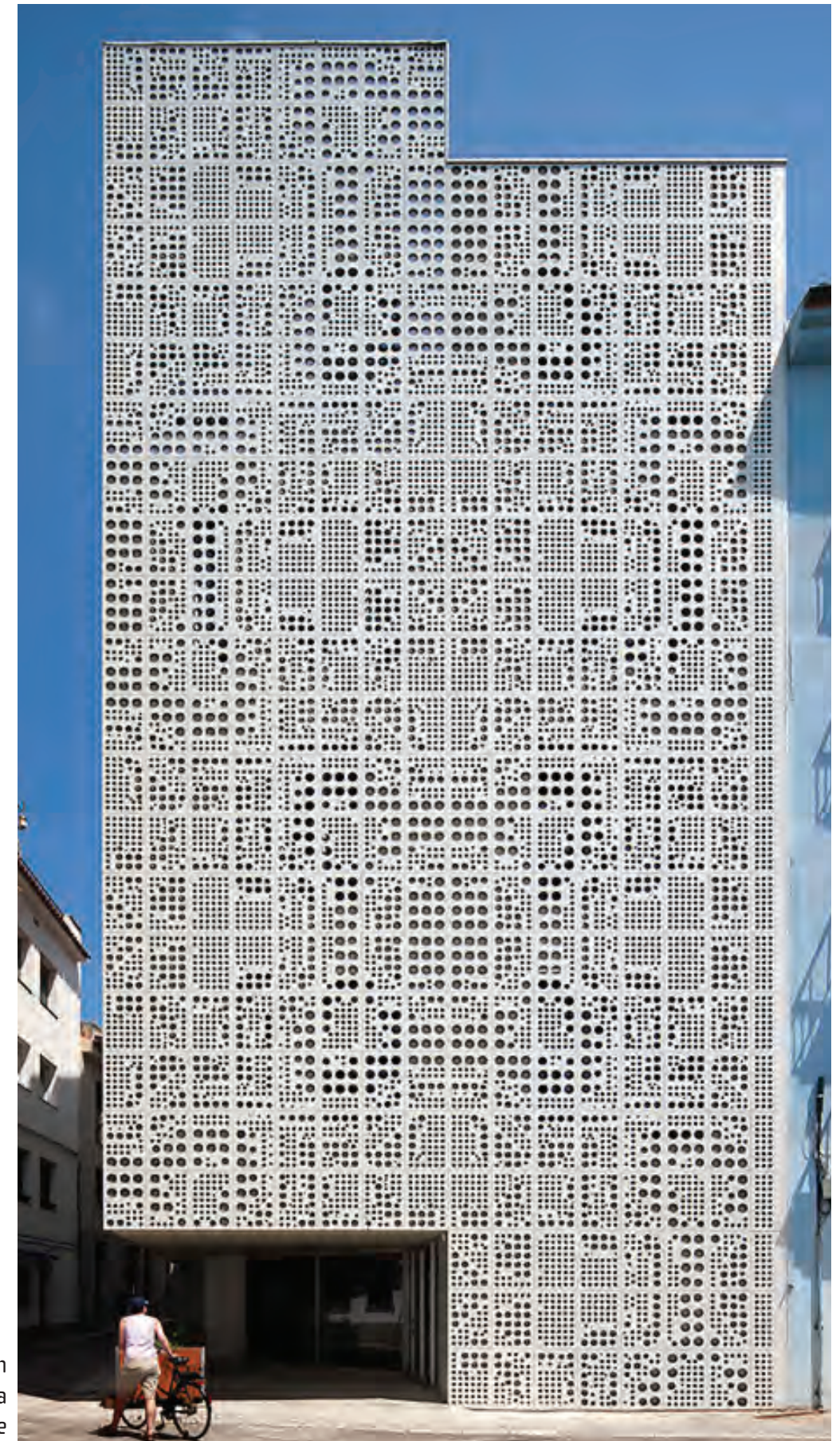


Traditional Seals and Zodiac Signs in Seal Script



Calligraphy is a beautiful art form still practiced in the community. Seal Script - one of the script styles practiced - is more stylized, and less legible to most Chinese, and is often used in decorative engravings and seals. Its graphic appearance lends itself to decorative applications.

Calligraphy by Shu Yi Liu  
Oakland Asian Cultural Center

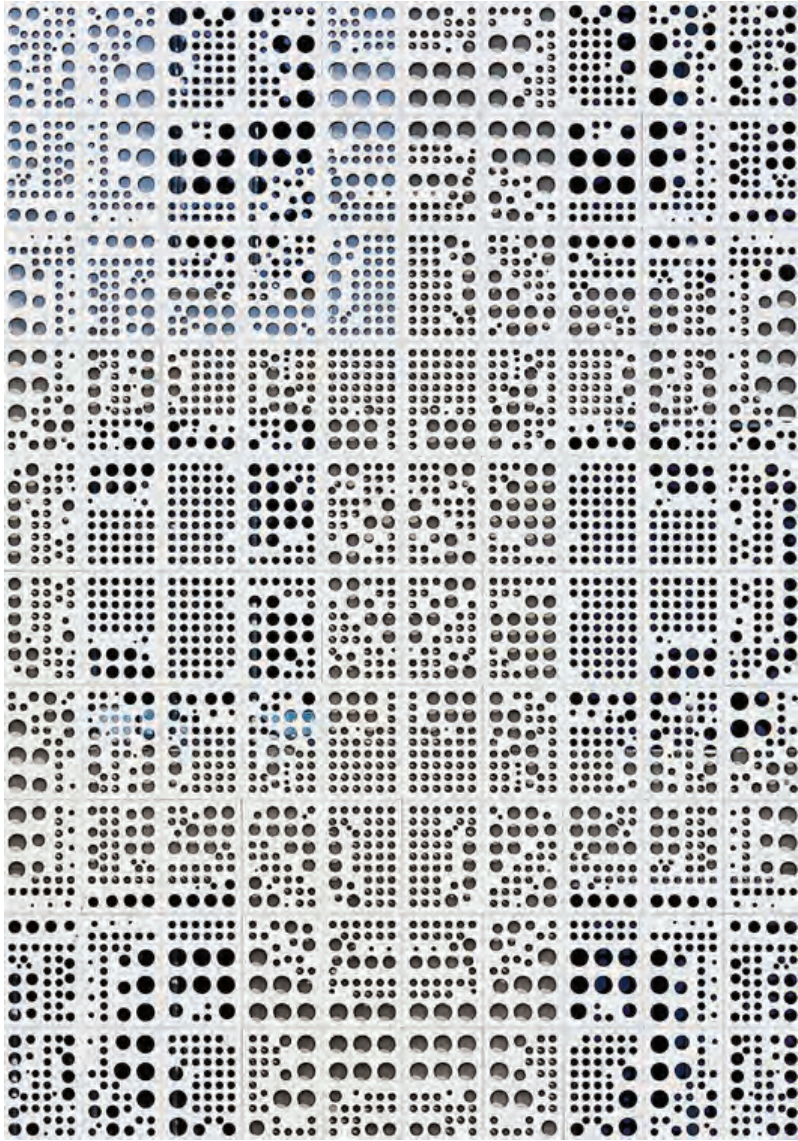


Social Facilities in Roses, Girona, Spain  
Exe Arquitectura  
custom perforated facade

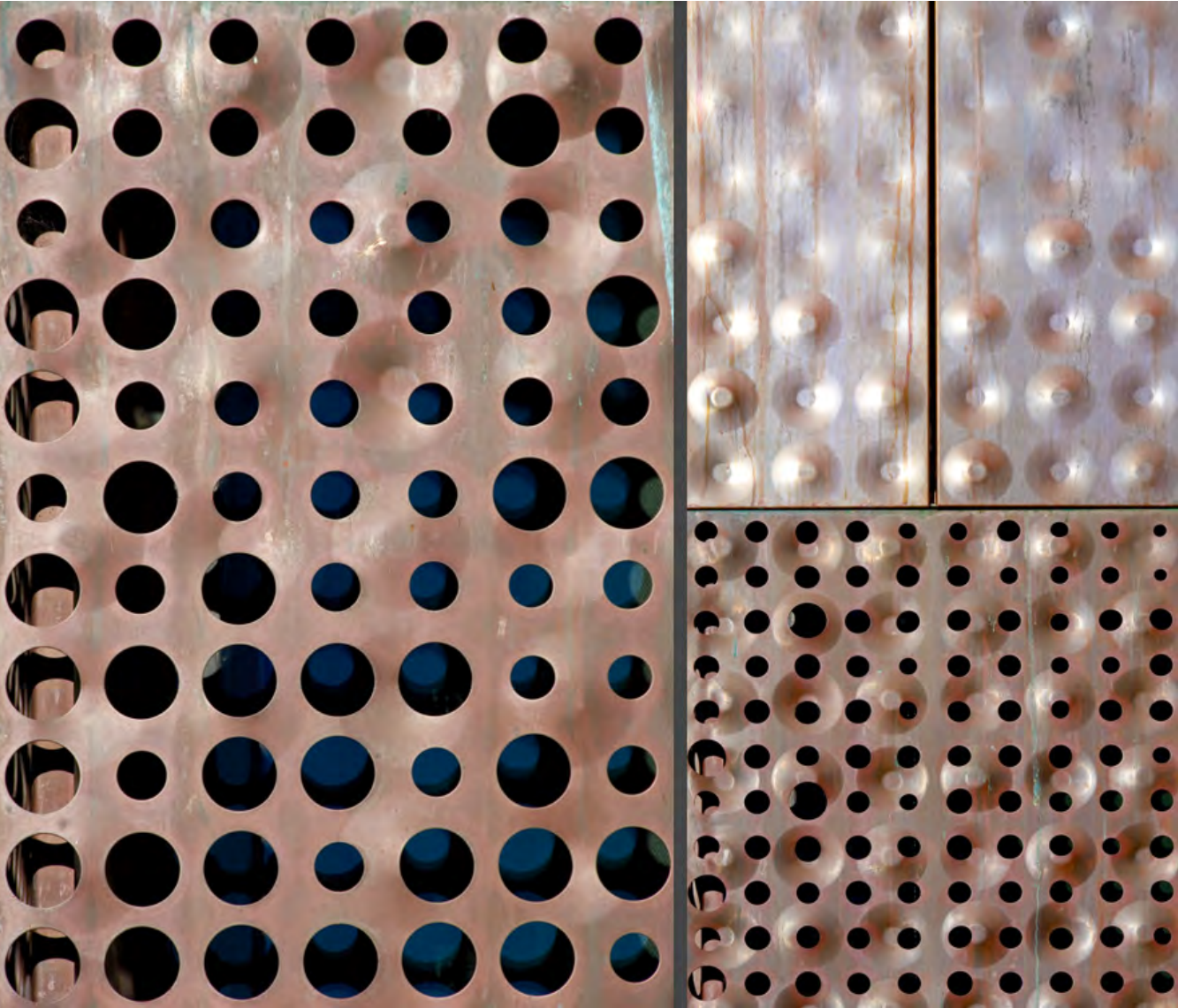


# pattern & texture- perforated metal

Social Facilities in Roses, Girona, Spain  
Exe arquitectura  
custom perforated facade



De Young Museum, San Francisco, CA  
Herzog deMeuron Architects  
Perforated and dimpled copper panels



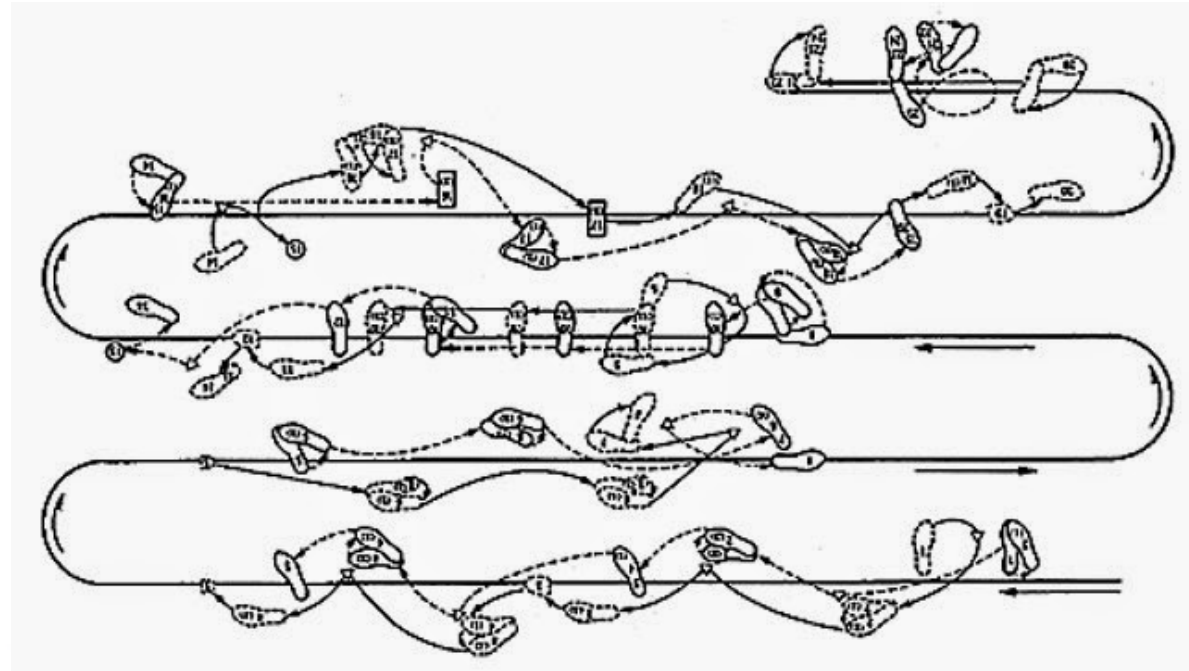
Room Within, San Jose, CA  
merge conceptual design  
custom perforated aluminum panels



# more inspirations

## t'ai chi

A pivotal, spiraling, or coiling force that transforms the neutrality of wuji (ultimate; boundless; infinite) to a state of polarity depicted by the taijitu (diagram of "supreme ultimate")



(甲) 左手缠丝示意图

(乙) 右手缠丝示意图

图1 顺逆缠丝示意图

flight

invention

transportation

Fung Yue - aviation pioneer:

1906 opened an airplane manufacturing shop "Guangdong Air Vehicle Company" @ 359 E 9th St

First flight on the West Coast (take off from Laney College field) 09/22/1909

Moved back to China in 1911 and became the "Father of Chinese Aviation"

