Guangzhou Opera House

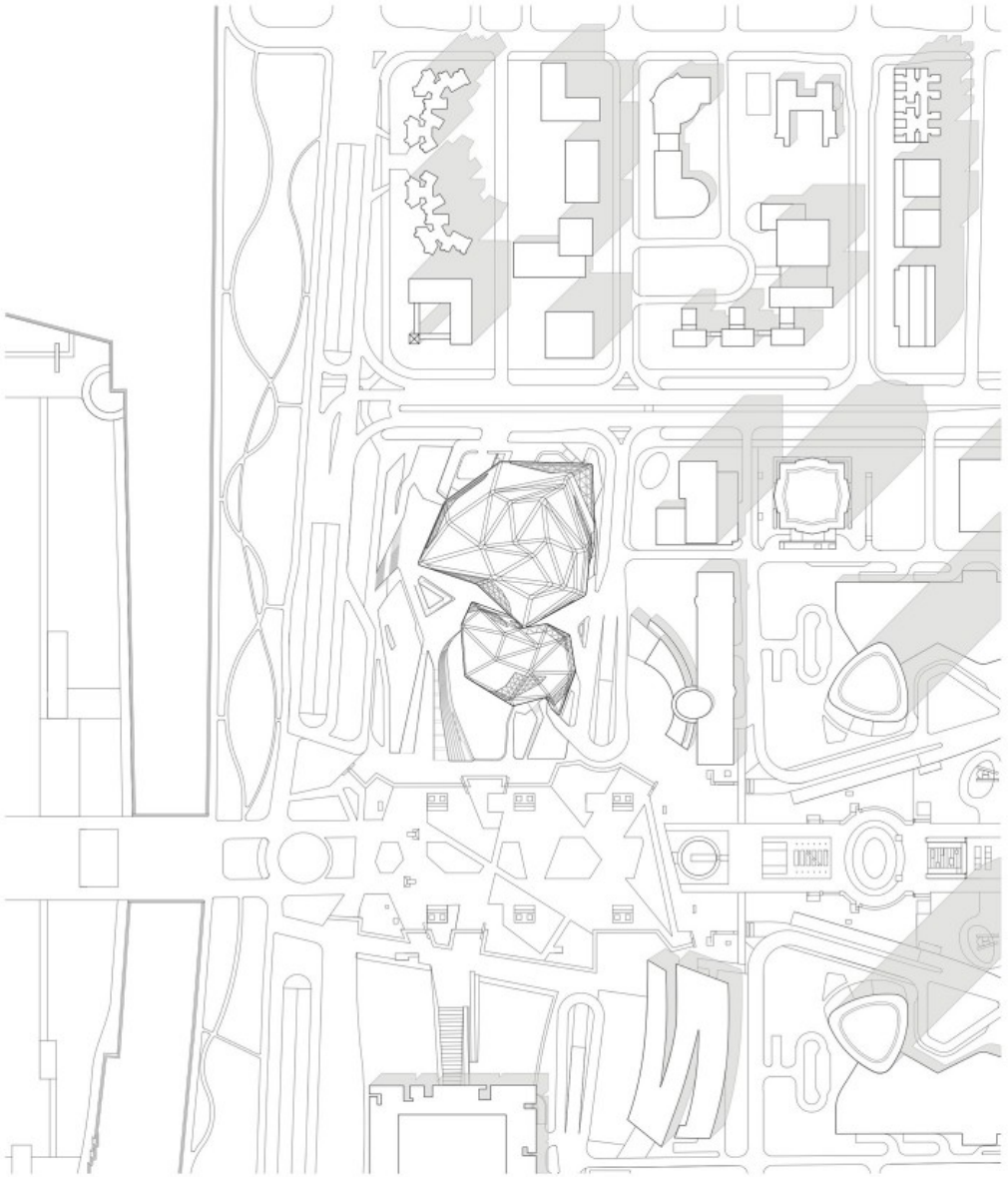
Zaha Hadid

It takes a big team…

Project Director: Woody K.T. Yao, Patrik Schumacher
Project Architect: Simon Yu
Project Team: Jason Guo, Yang Jingwen, Long Jiang, Ta-Kang Hsu, Yi- Ching Liu, Zhi Wang, Christine Chow, Cyril Shing, Filippo Innocenti, Lourdes Sanchez, Hinki Kwong
Compeition Team 1st Stage: Filippo Innocenti, Matias Musacchio, Jenny Huang, Hon Kong Chee, Markus Planteu,Paola Cattarin, Tamar Jacobs, Yael Brosilovski, Viggo Haremst, Christian Ludwig, Christina Beaumont, Lorenzo Grifantini, Flavio La Gioia, Nina Safainia, Fernando Vera, Martin Henn, Achim Gergen, Graham Modlen, Imran Mahmood
2nd Stage: Cyril Shing, YanSong Ma, Yosuke Hayano, Adriano De Gioannis, Barbara Pfenningstorff

It takes a big team…

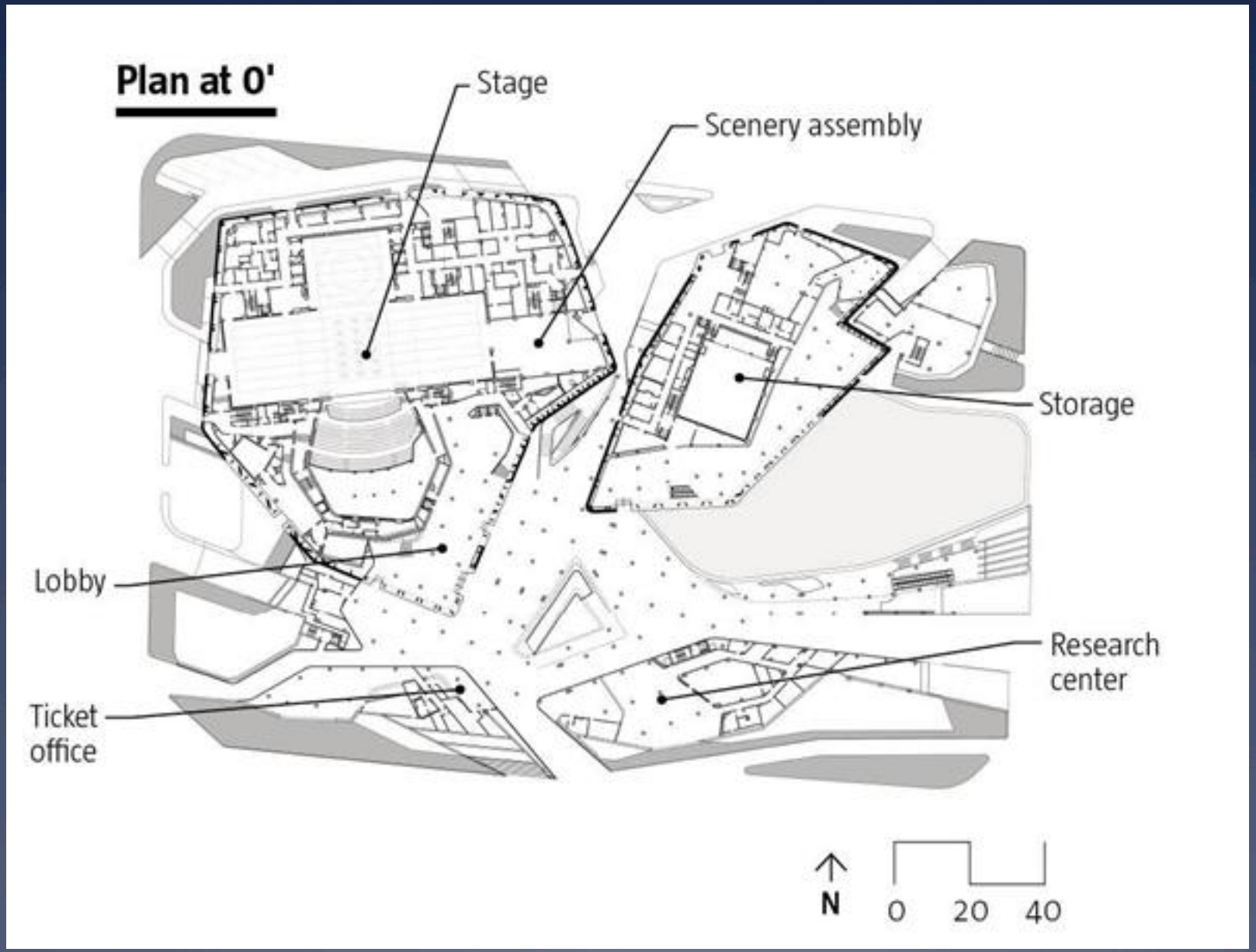
Local design institute: Guangzhou Pearl River Foreign Investment Architectural Designing Institute (Guangzhou, China)
Structural engineers: SHTK (Shanghai, China); Guangzhou Pearl River Foreign Investment Architectural Designing Institute
Façade engineering: KGE Engineering (Zhuhai, China)
Building Services: Guangzhou Pearl River Foreign Investment Architectural Designing Institute (Guangzhou, China)
Acoustic consultants: Marshall Day Acoustics (Melbourne, Australia)
Theatre consultant: ENFI (Beijing, China)
Lighting design consultant: Beijing Light & View (Beijing, China)
Project management: Guangzhou Municipal Construction Group Co. Ltd. (Guangzhou, China)
Construction management: Guangzhou Construction Engineering Supervision Co. Ltd. (Guangzhou, China)
Cost consultant: Guangzhou Jiancheng Engineering Costing Consultant Office Ltd. (Guangzhou, China)
Principal contractor: China Construction Third Engineering Bureau Co. Ltd. (Guangdong, China)

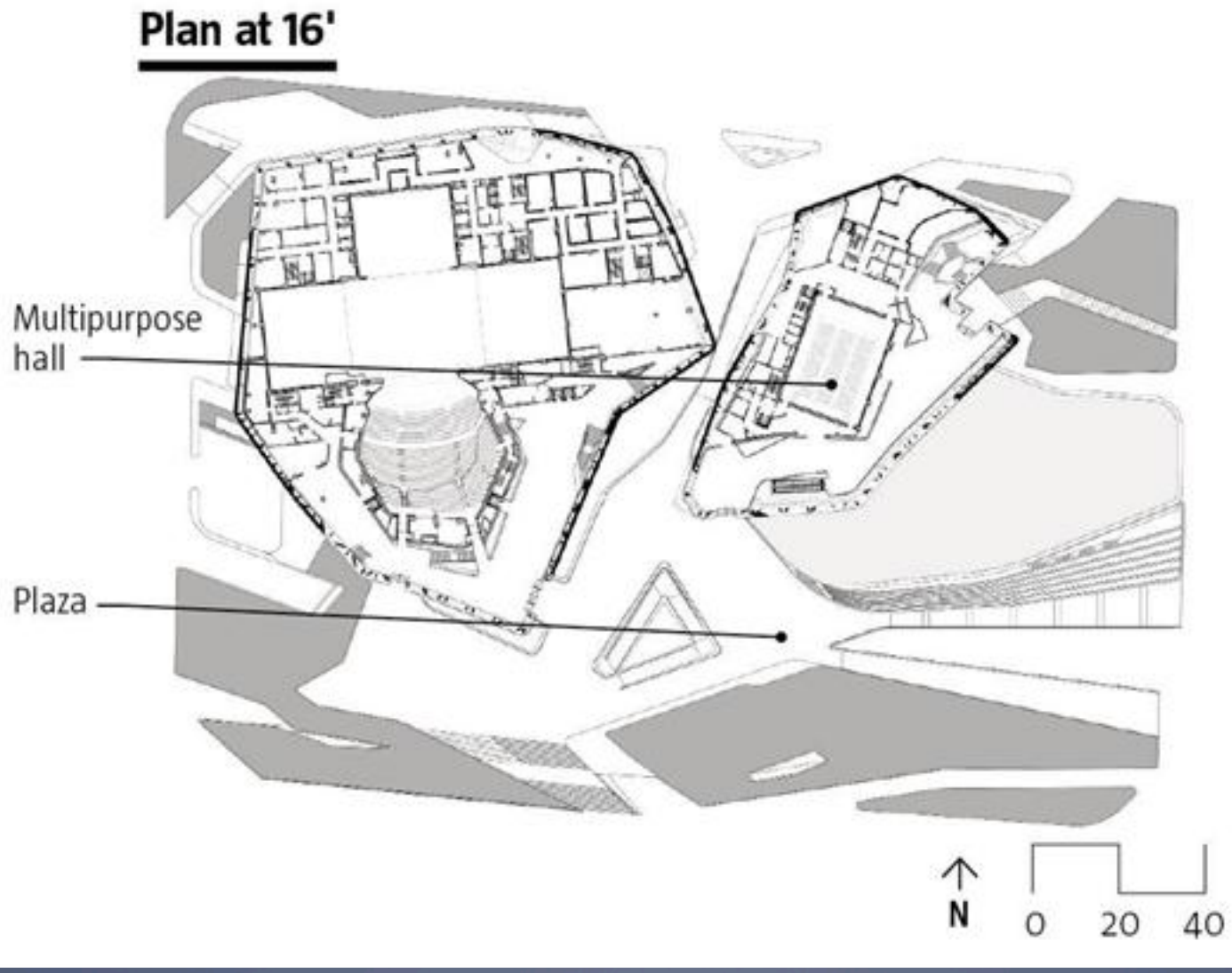


GUANGZHOU OPERA HOUSE

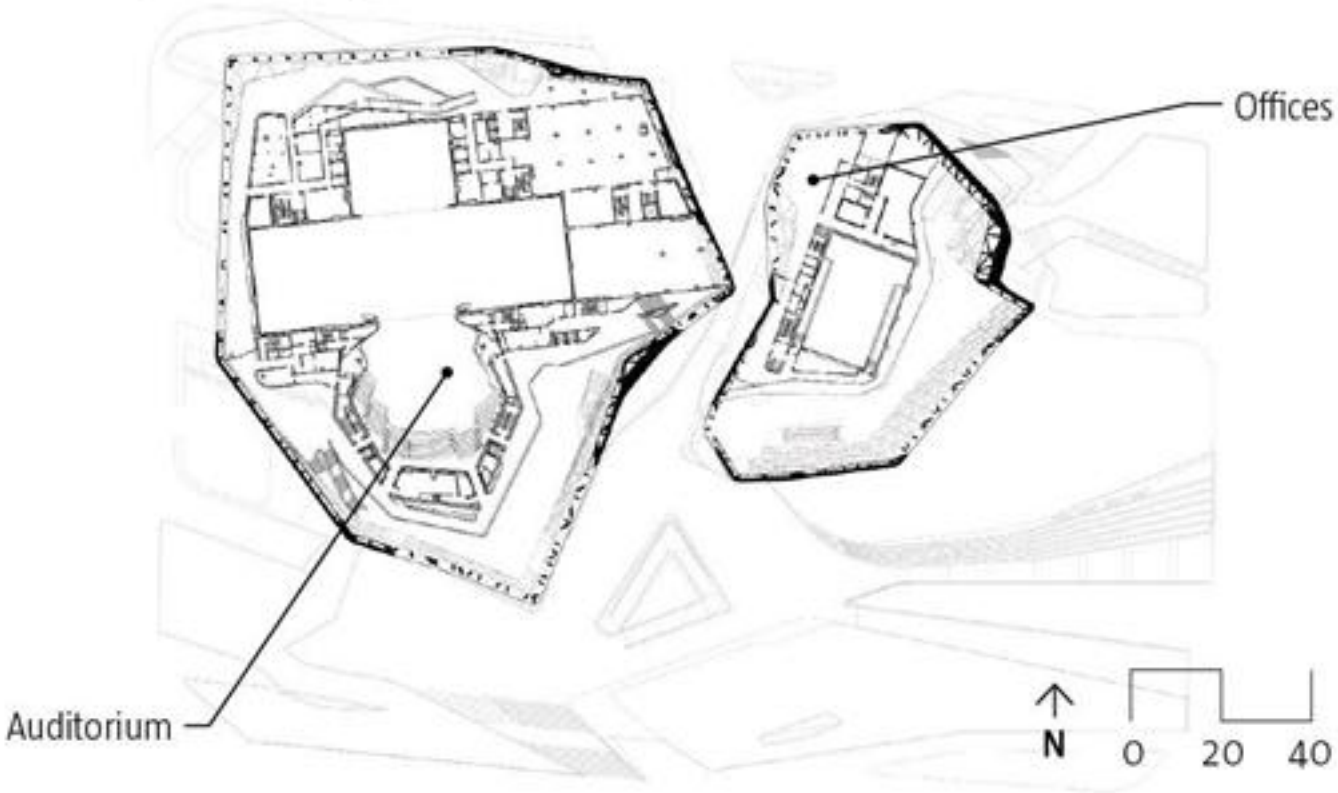
A blog you should subscribe to…

http://www.archdaily.com/115949/guangzhou-opera-house-zaha-hadid-architects/

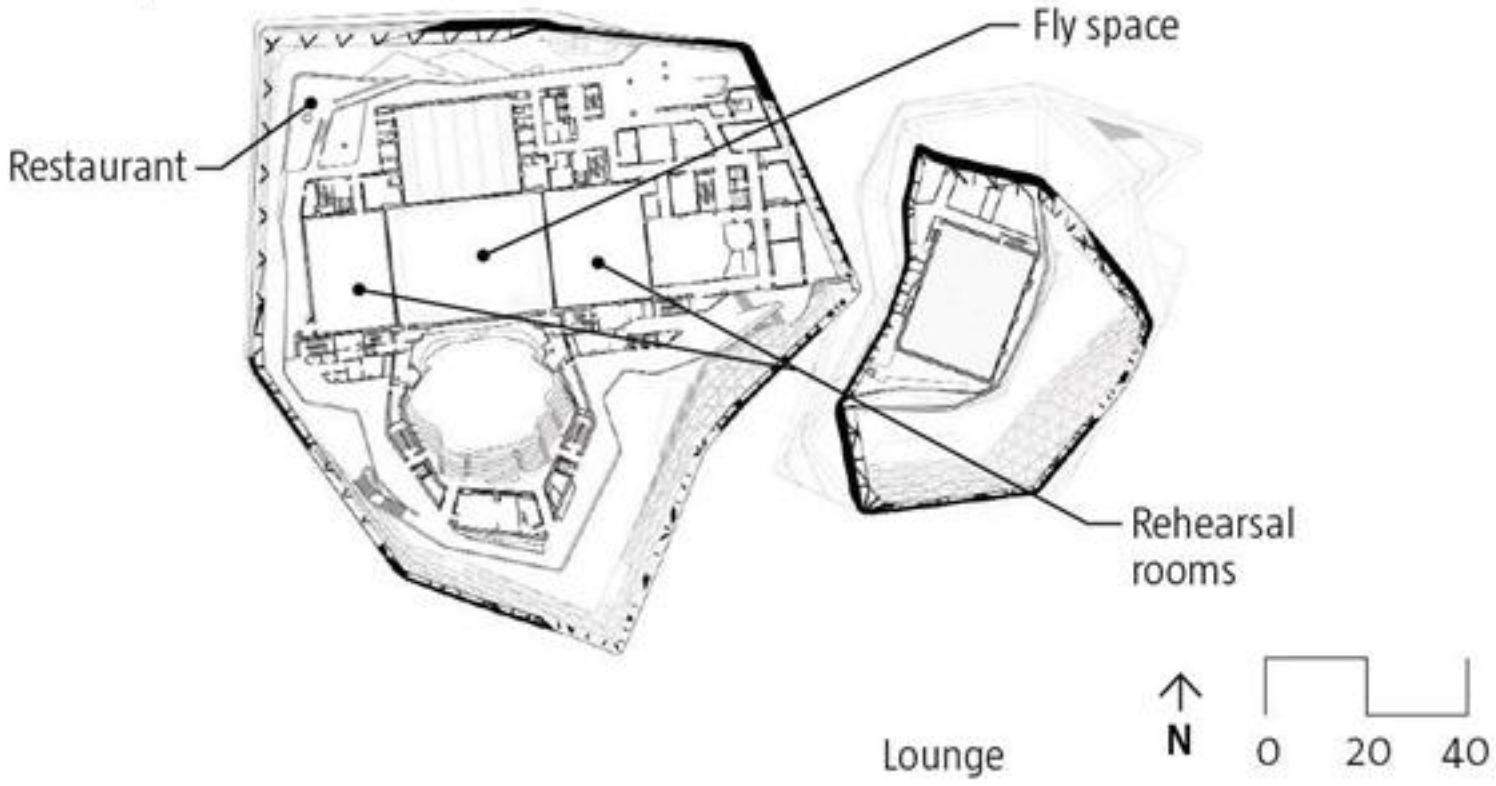

Plan at 0'
Stage
Scenery assembly
Storage
Lobby
Research center
Ticket office
N
0
20
40

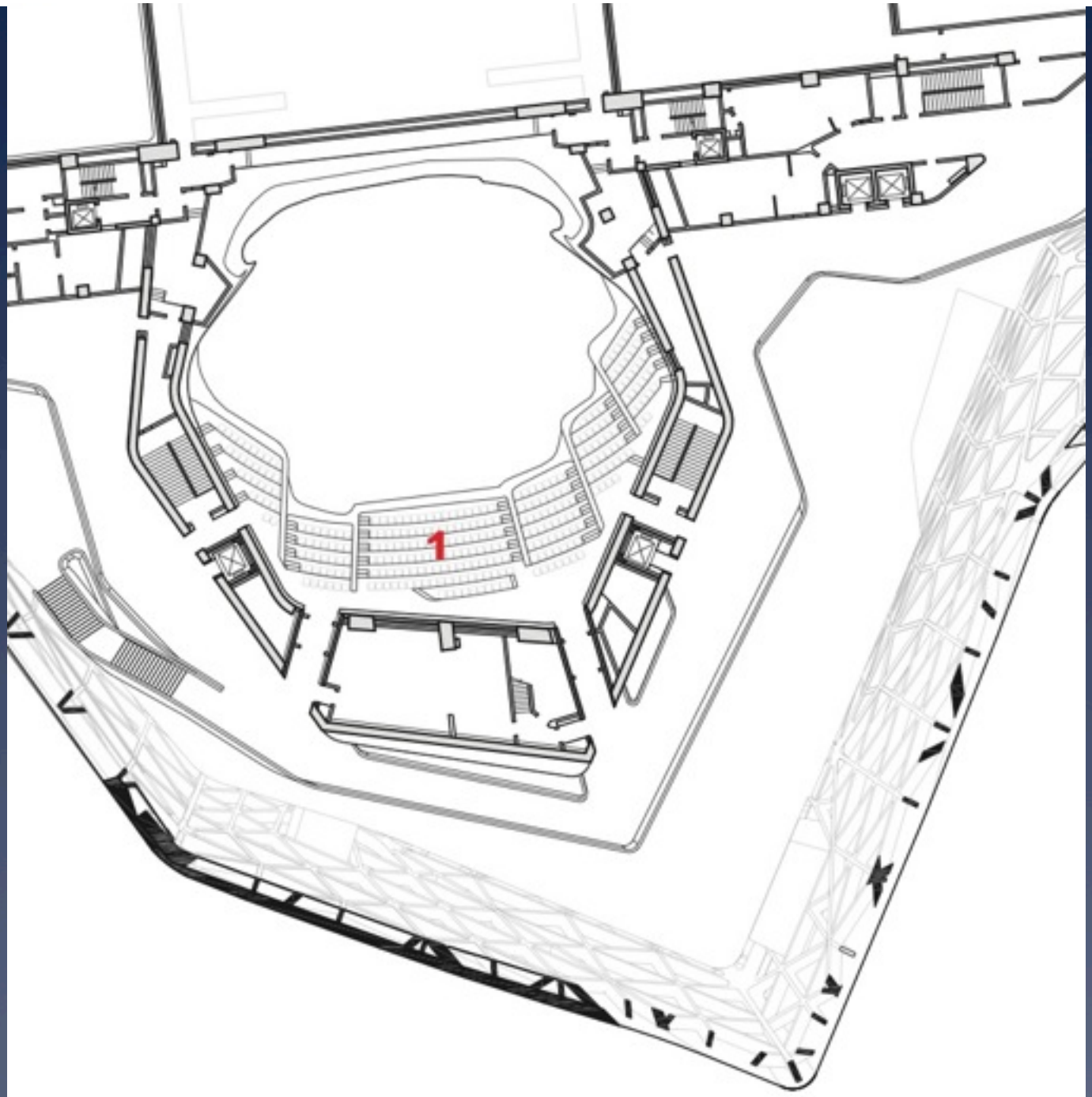

Plan at 16'
Multipurpose hall
Plaza
N
0
20
40

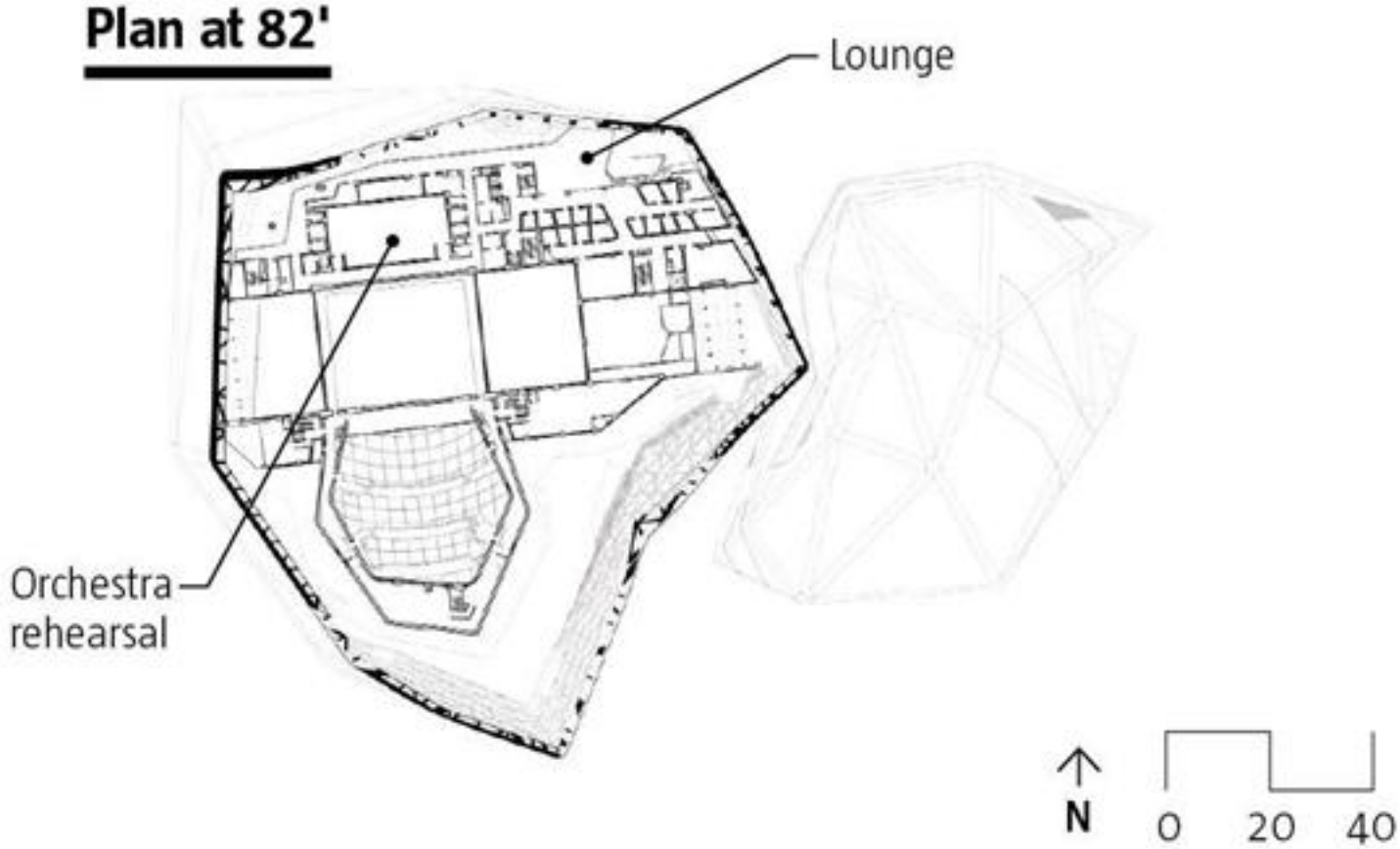
Plan at 36'

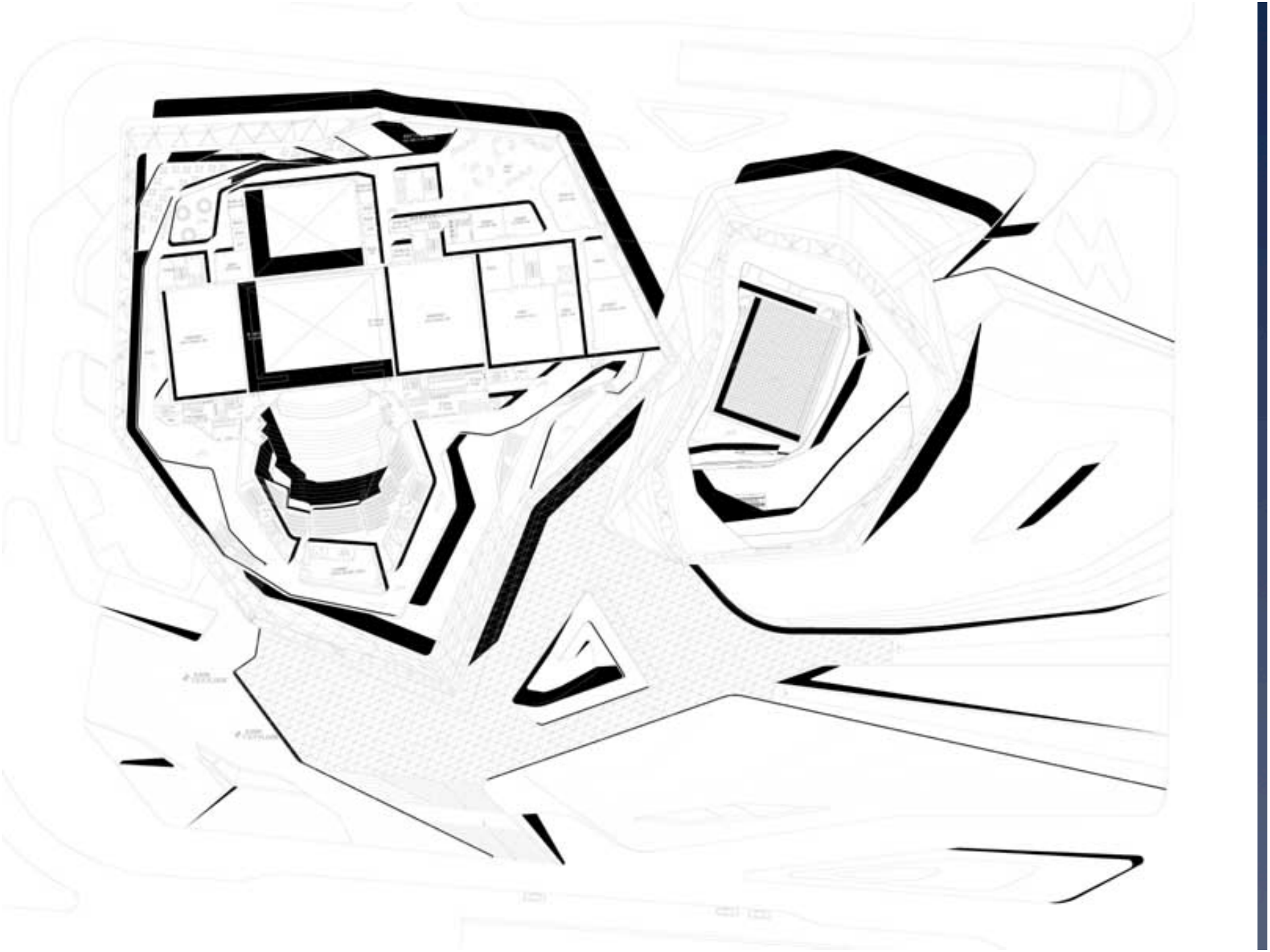


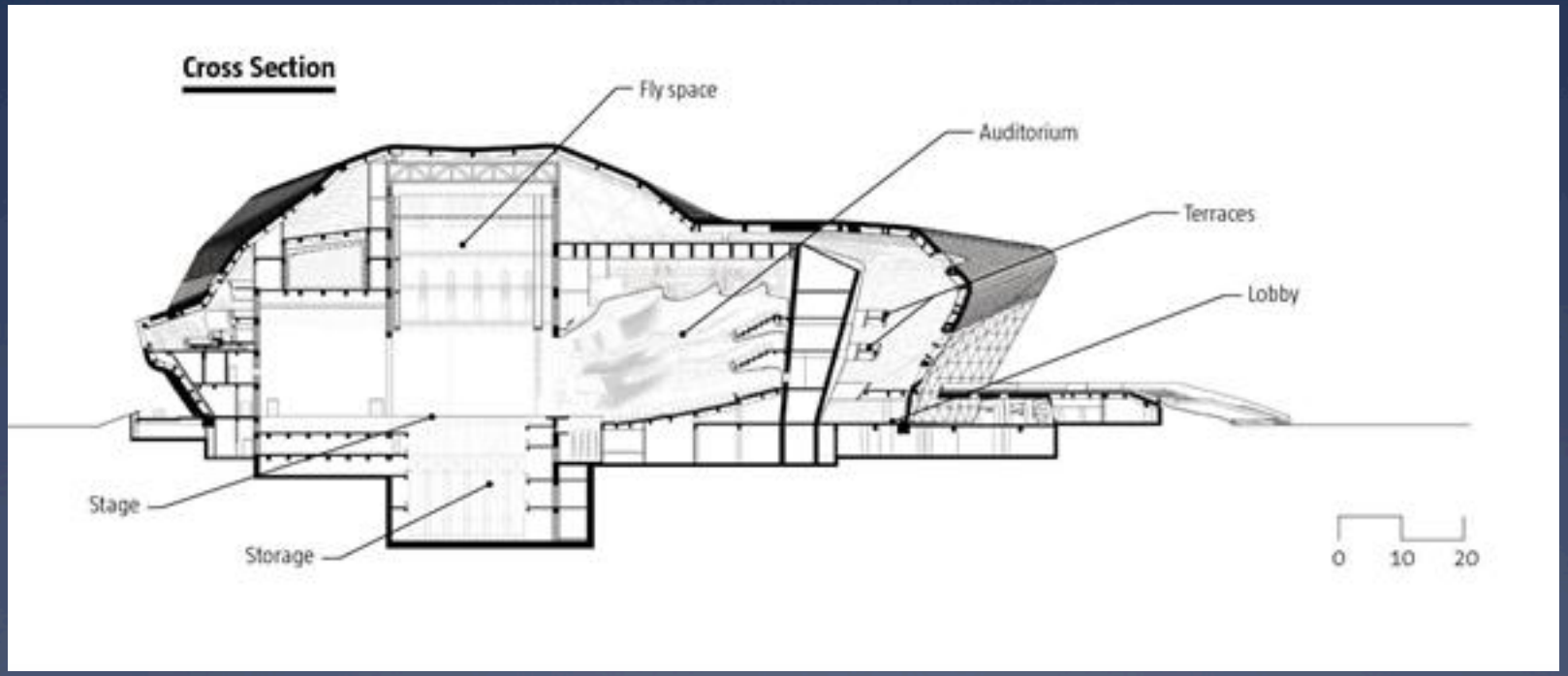
Plan at 52.5'

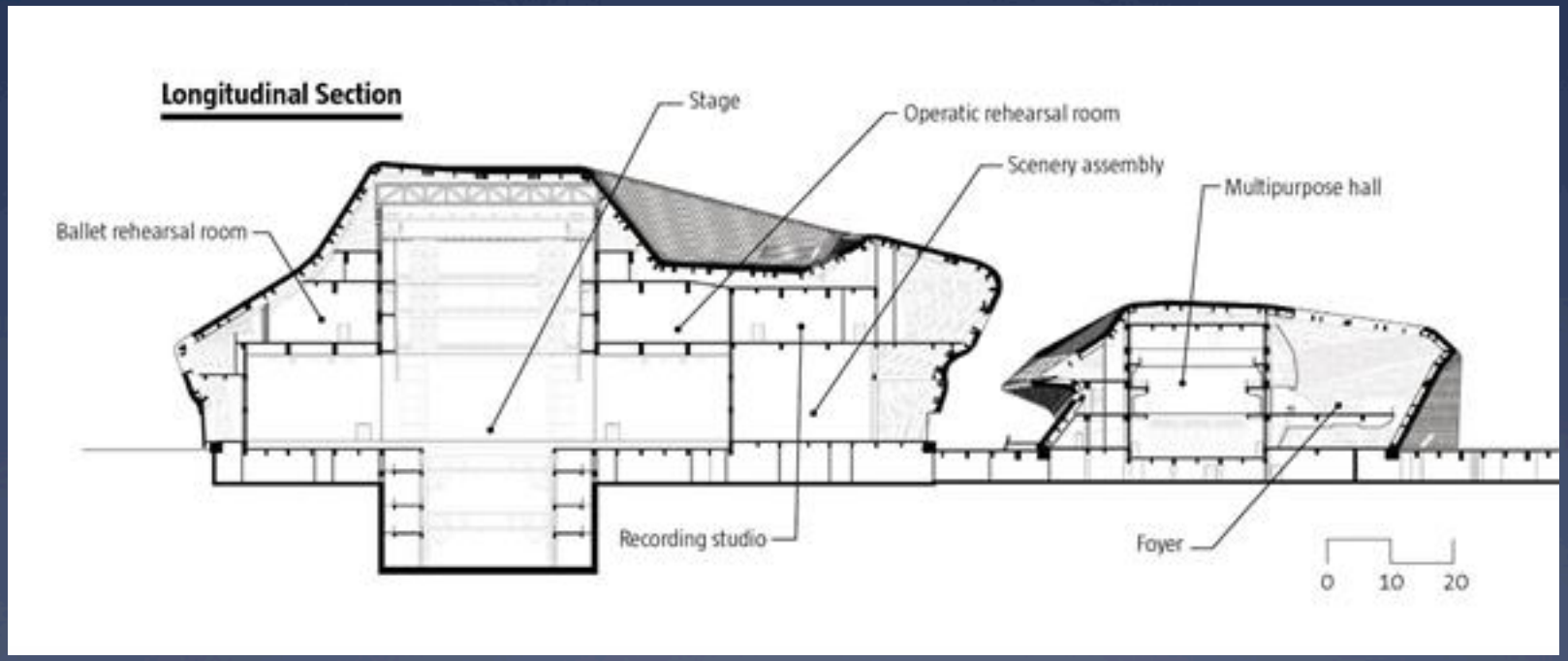


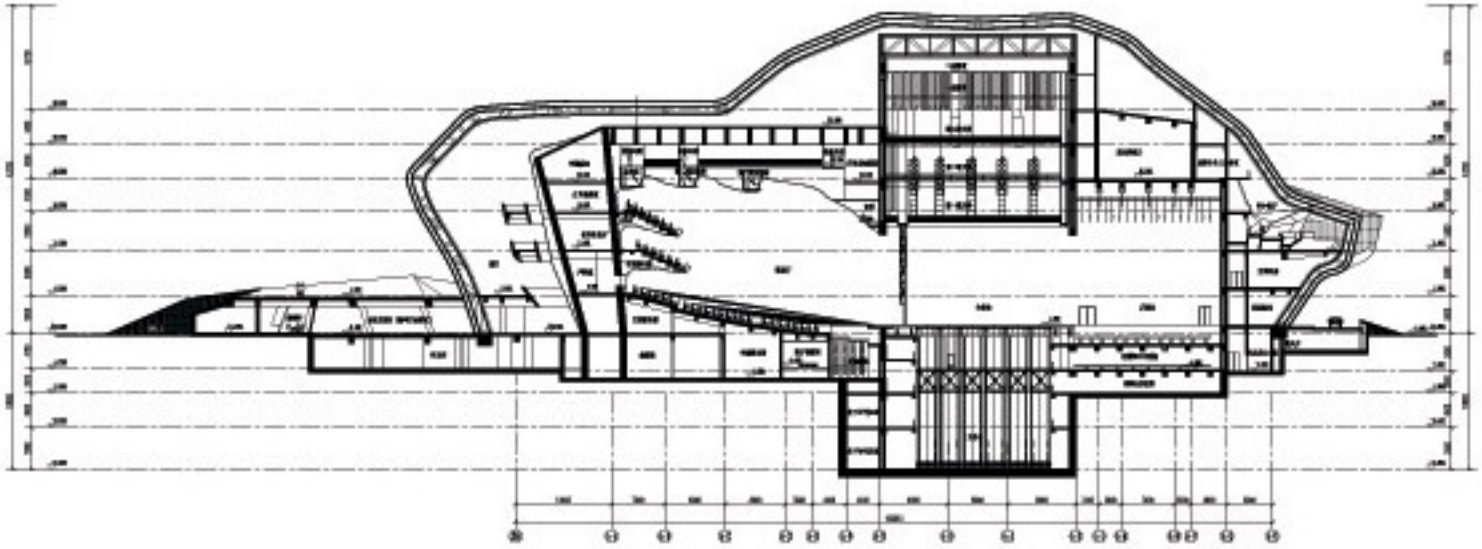

1


Plan at 82'
Lounge
Orchestra rehearsal
N
0
20
40

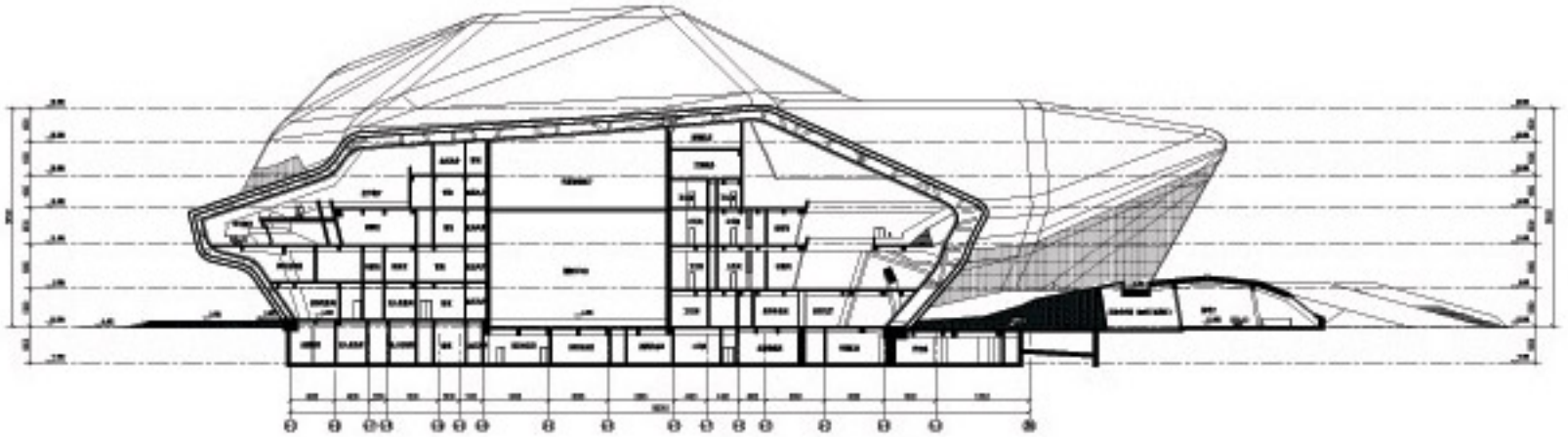



Cross Section
Fly space
Auditorium
Terraces
Lobby
Stage
Storage
0
10
20

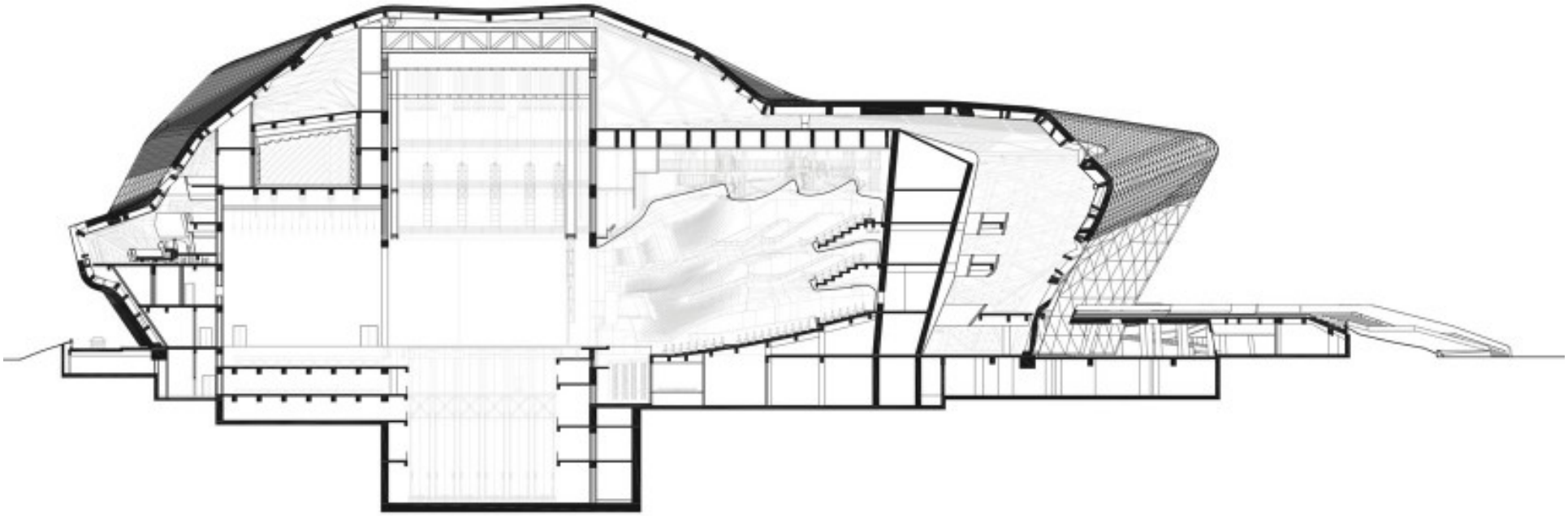

Longitudinal Section
Stage
Operatic rehearsal room
Scenery assembly
Multipurpose hall
Ballet rehearsal room
Recording studio
Foyer
0
10
20

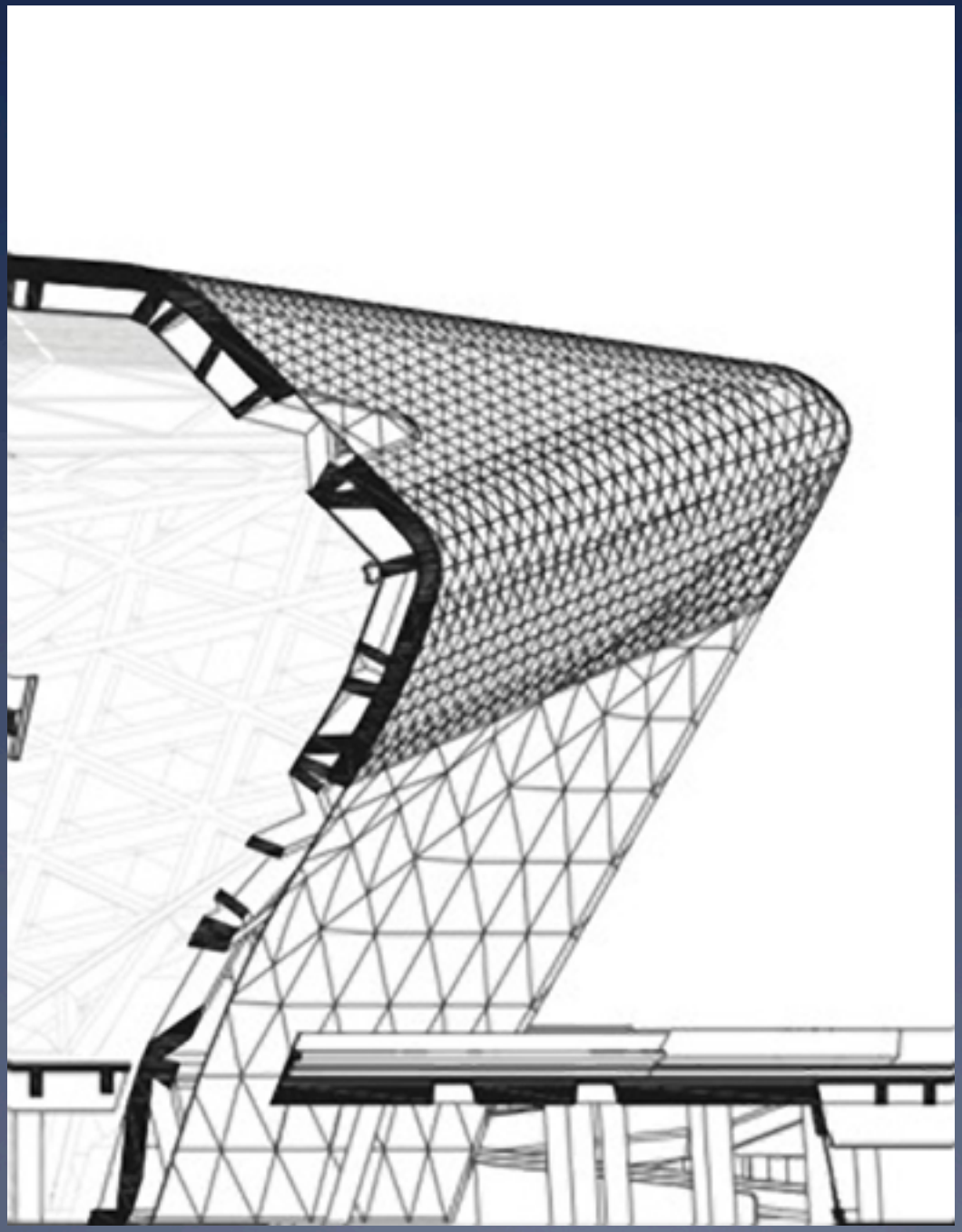


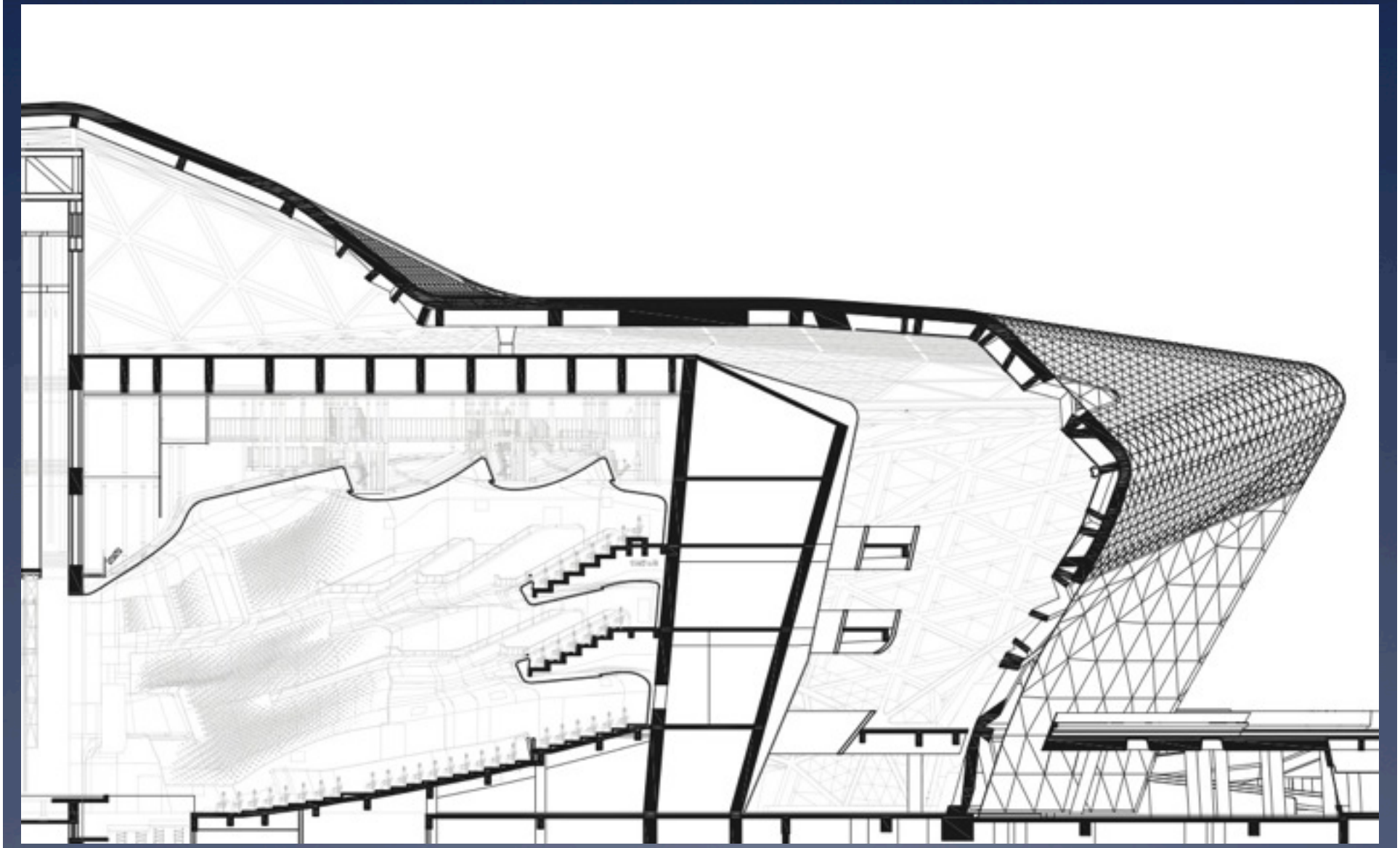
A-A剖面图 1:300

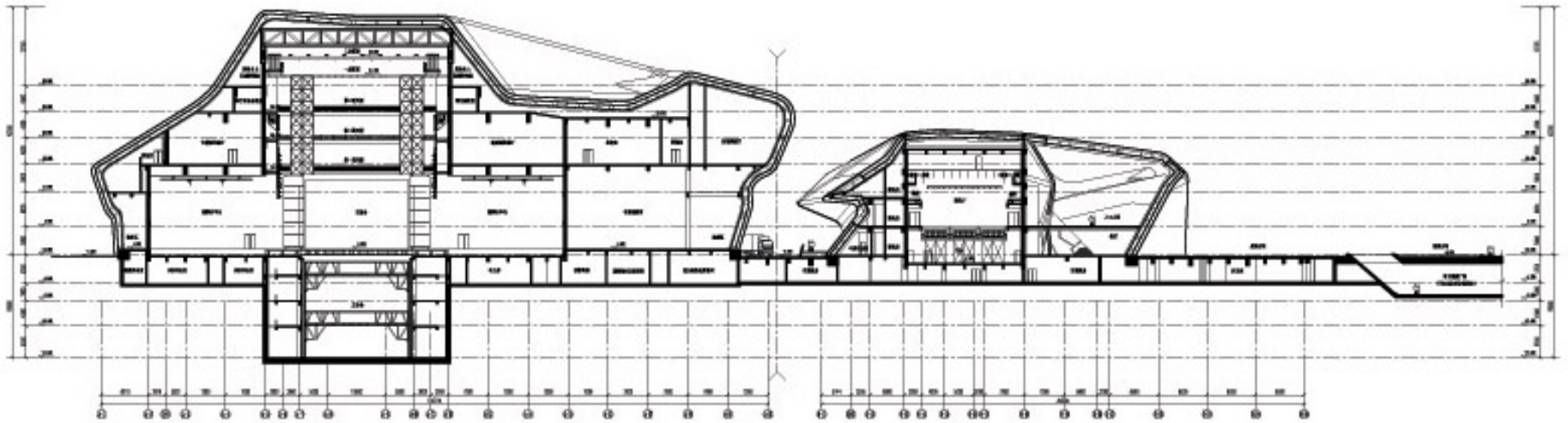


B-B剖面图 1:300

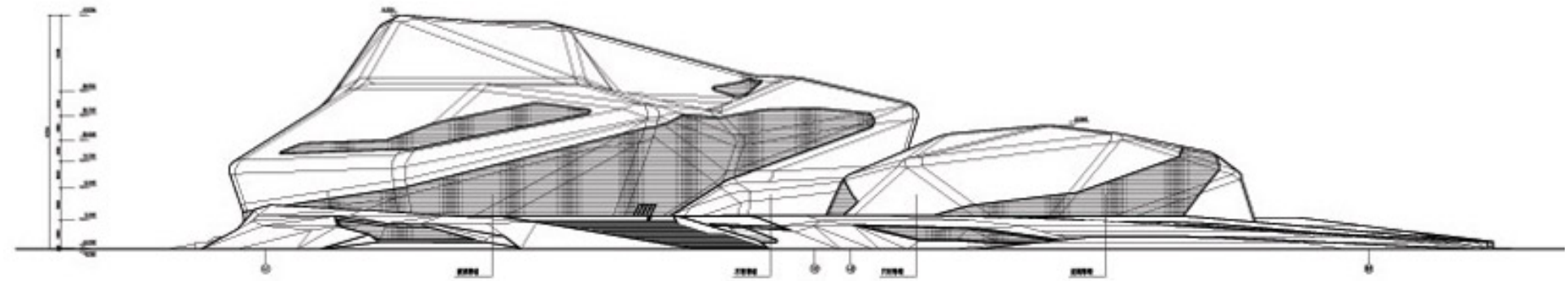


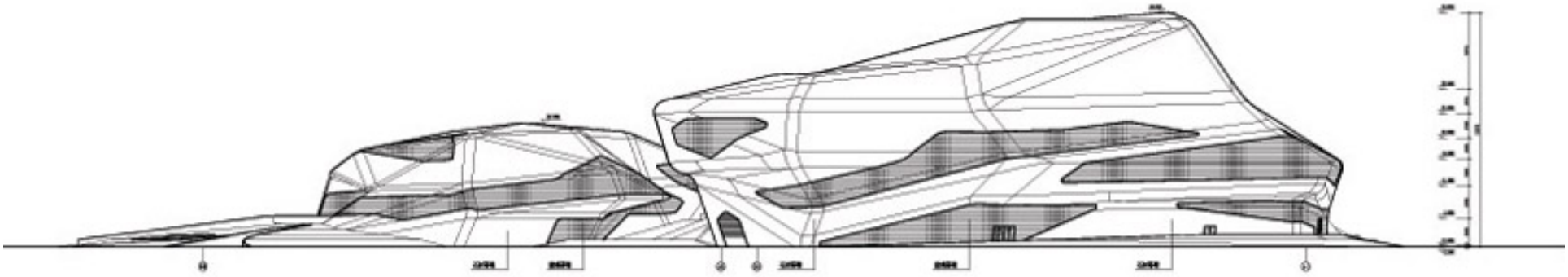


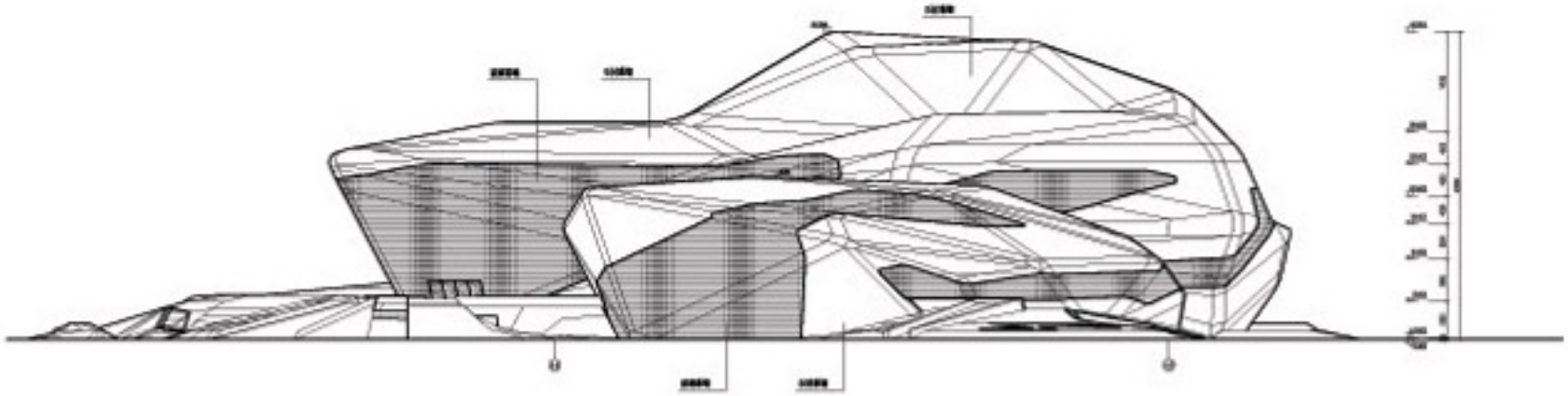


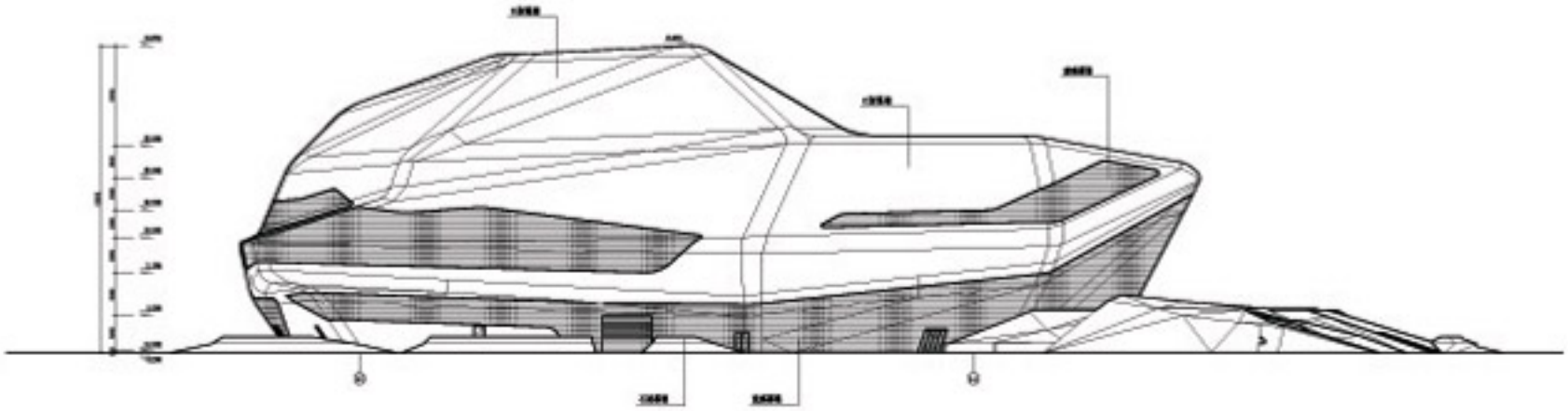


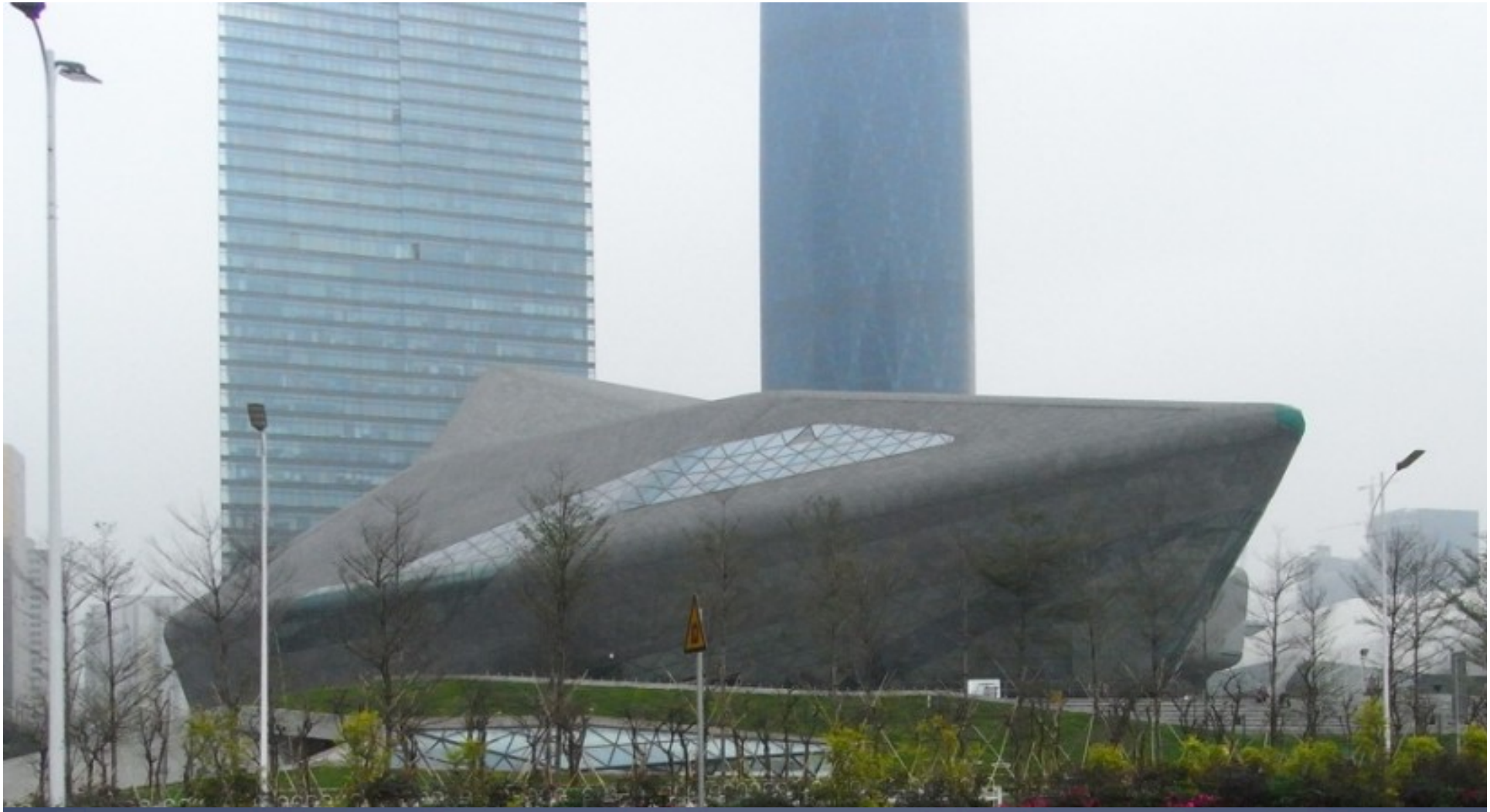
C-C剖面图 1:300



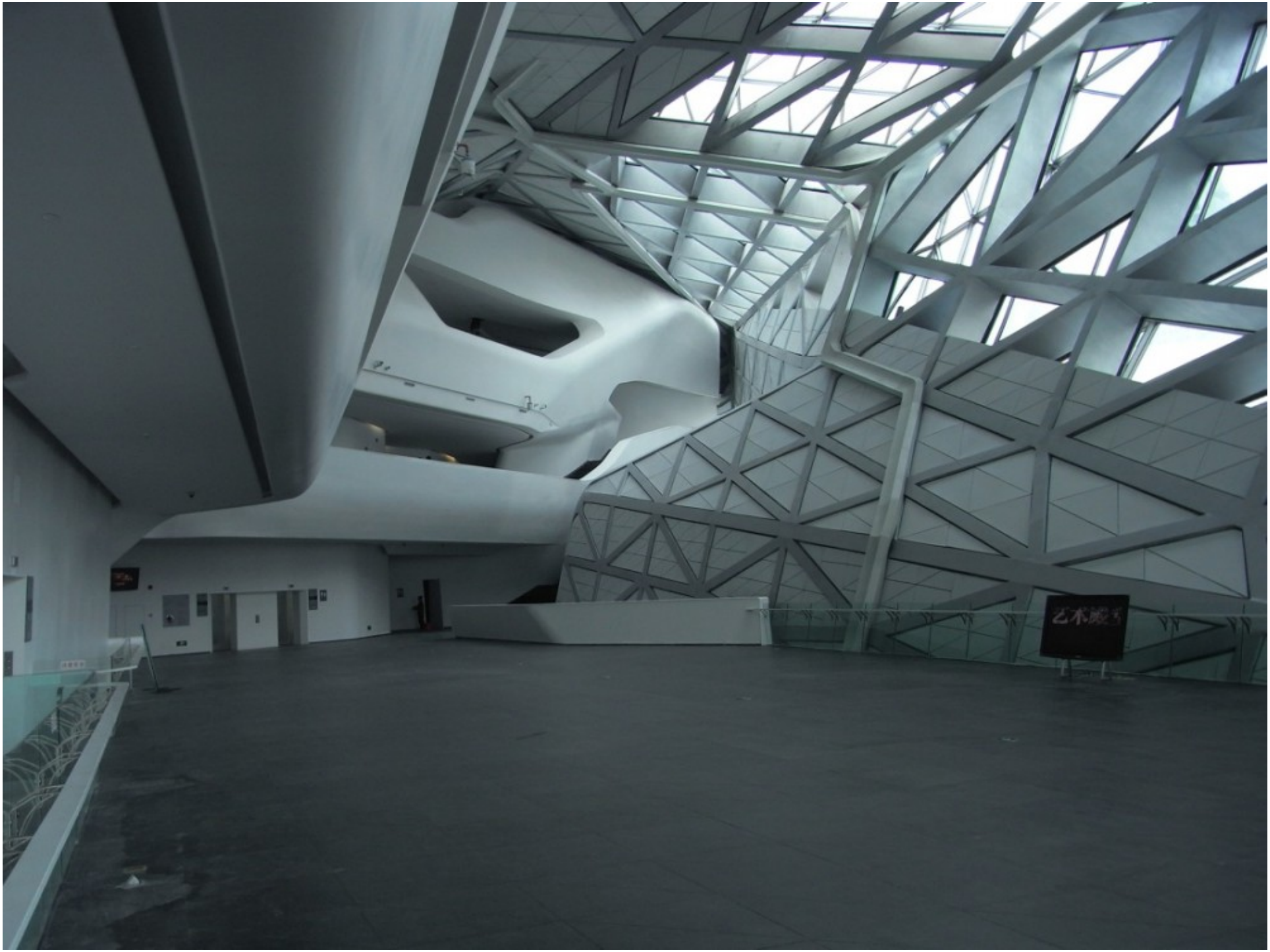






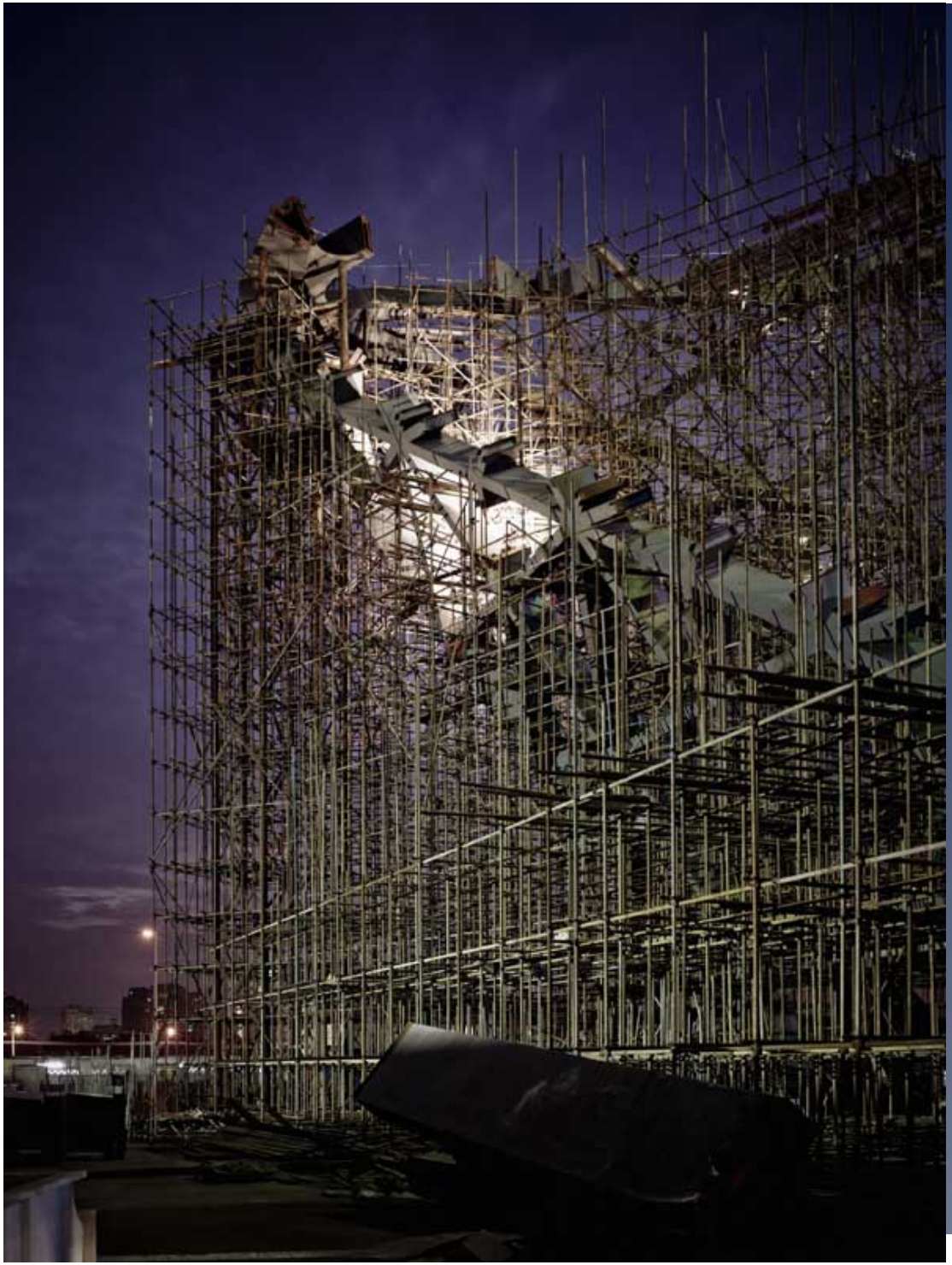


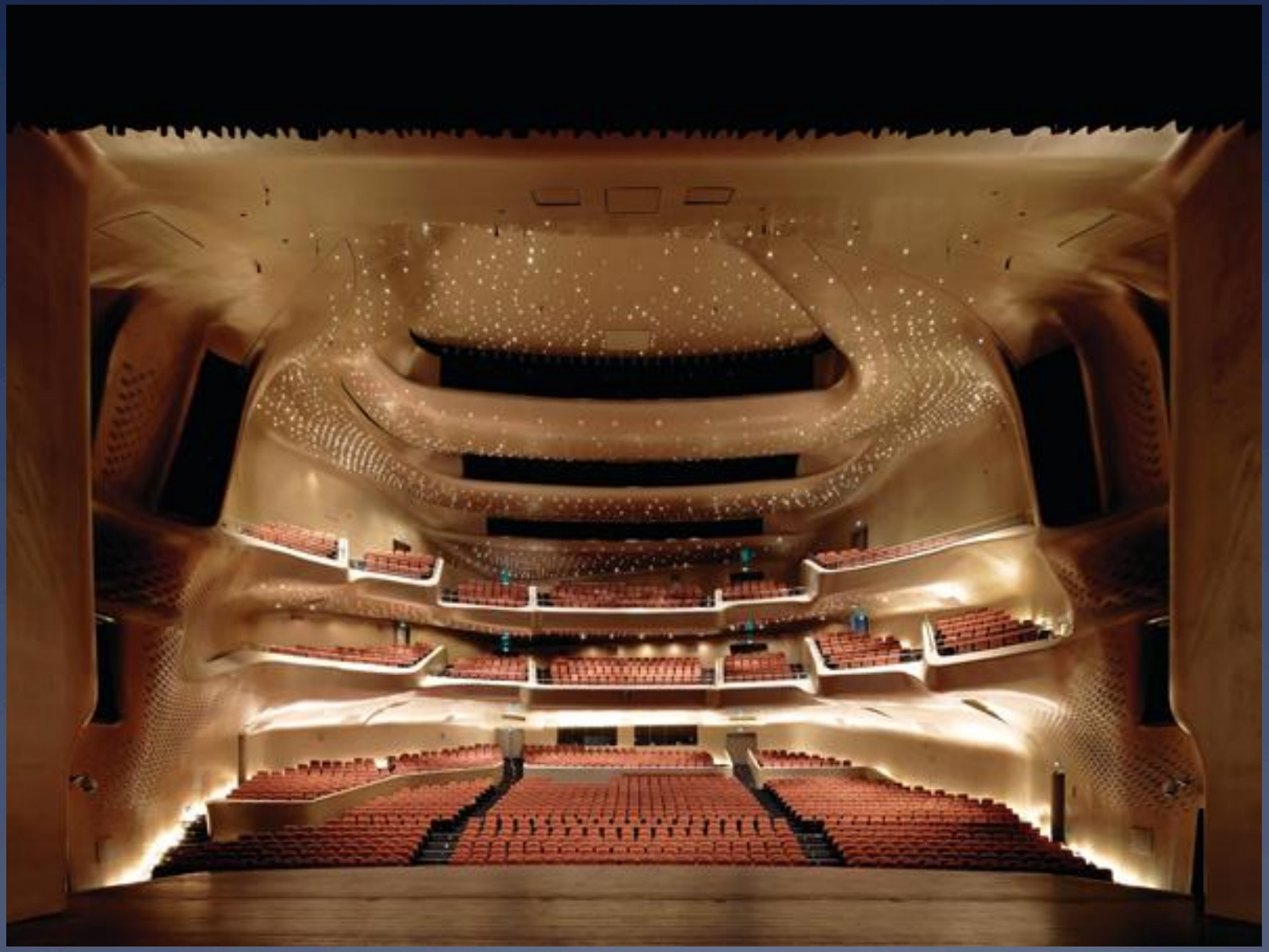

31085



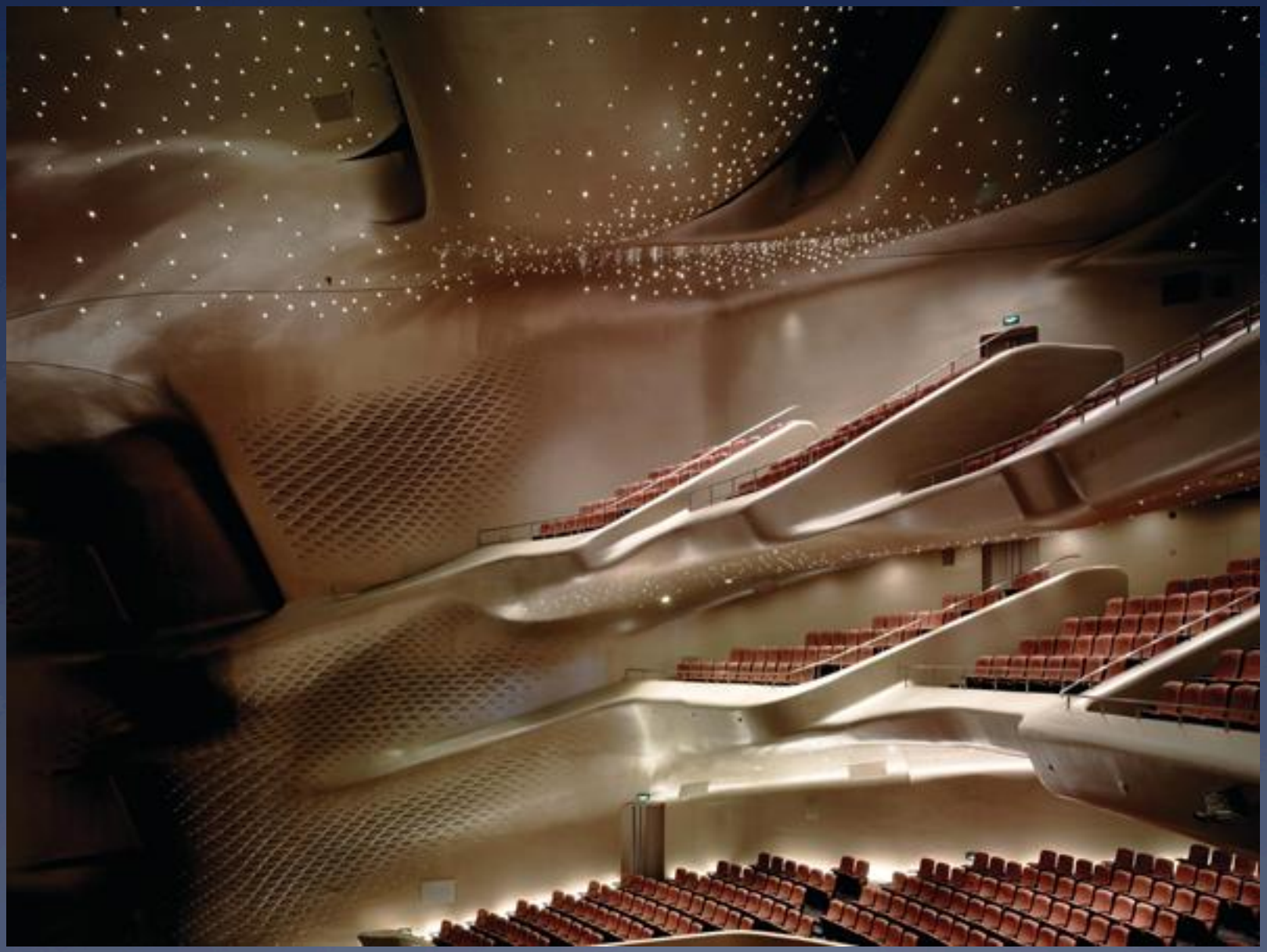

安全通道

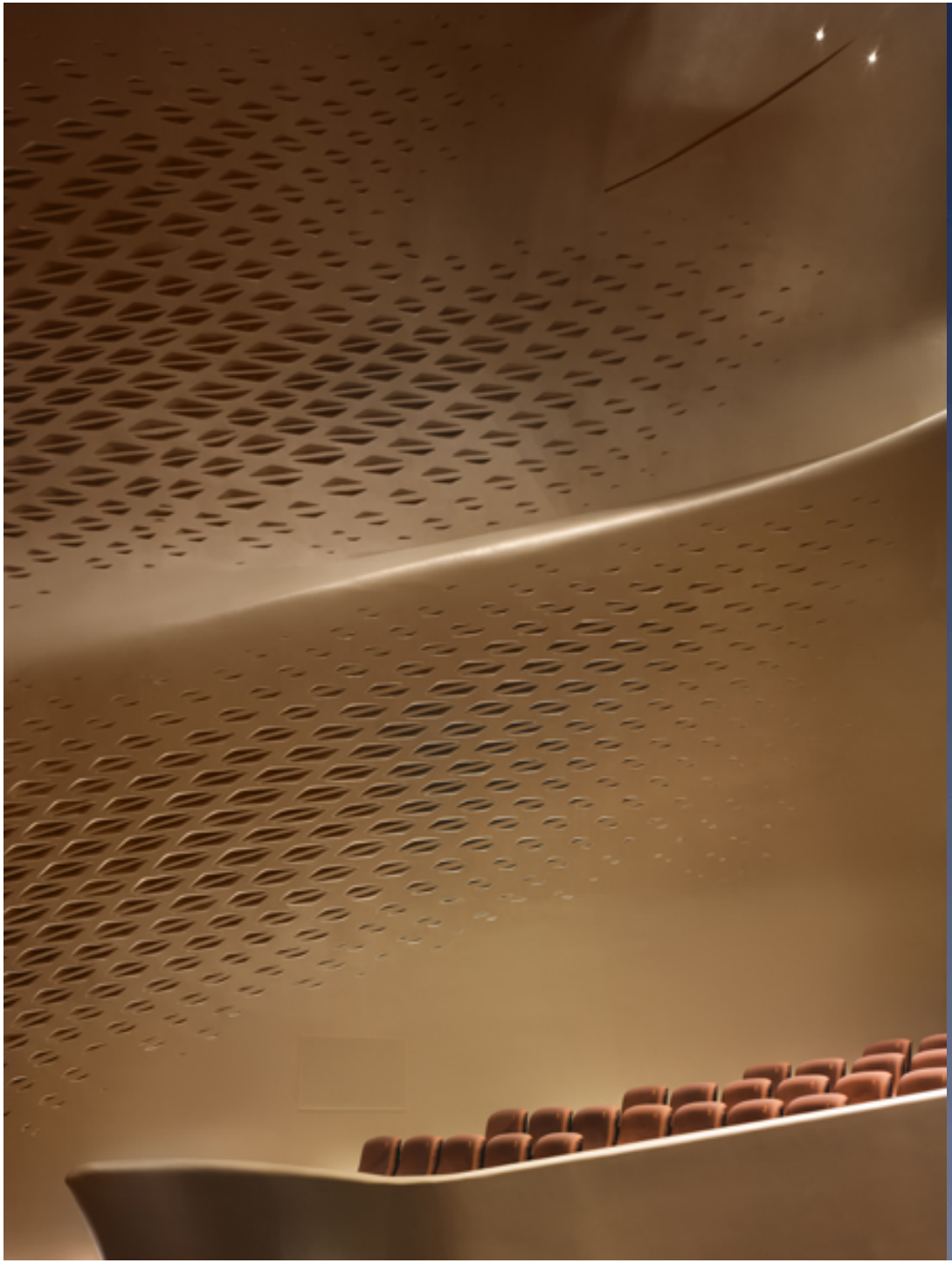

创安全工程 做安全使者
安全为天天天讲安全，违章害人人人反违章
无知加大意必危险，防护加警惕才安全





4,000 led lights

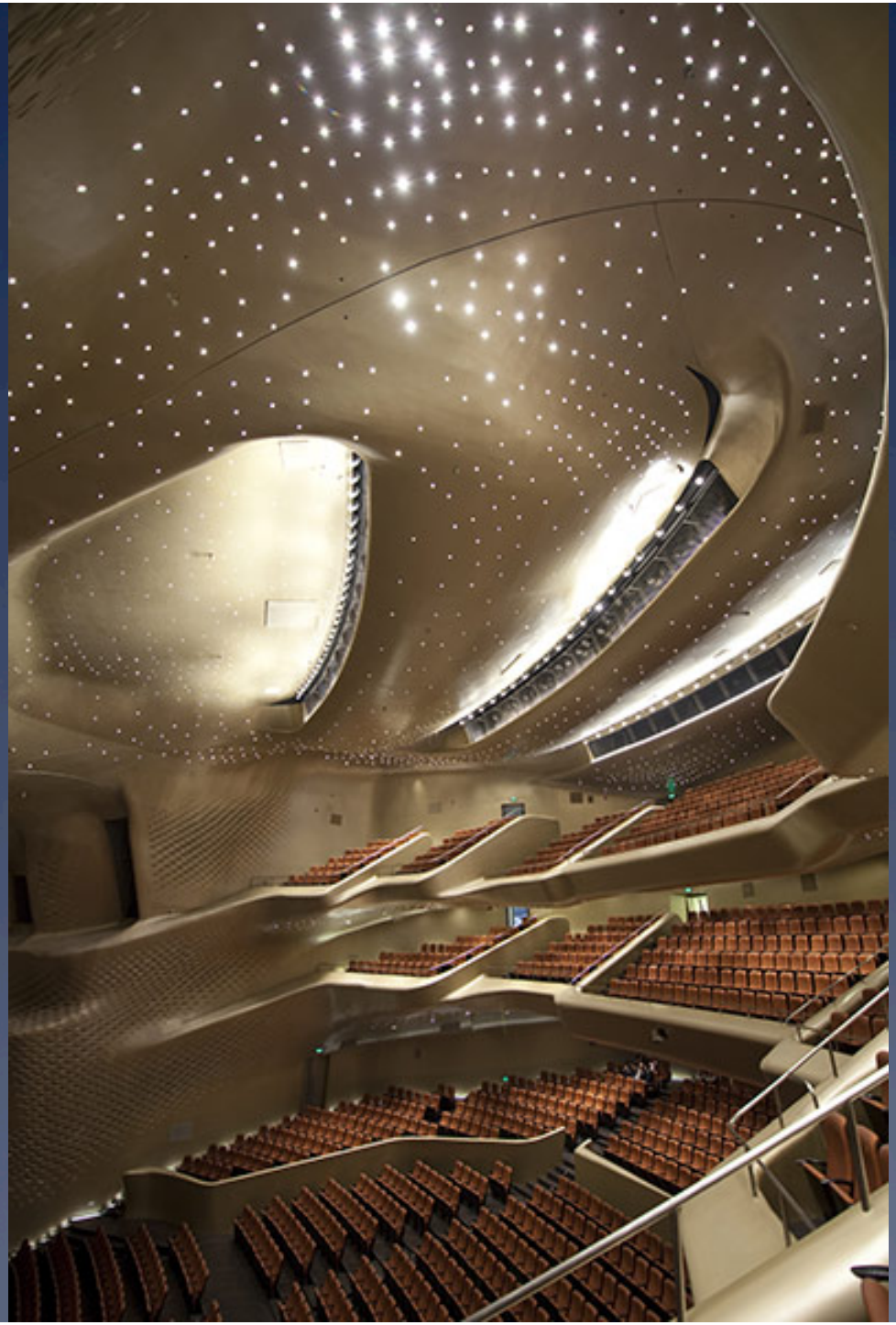


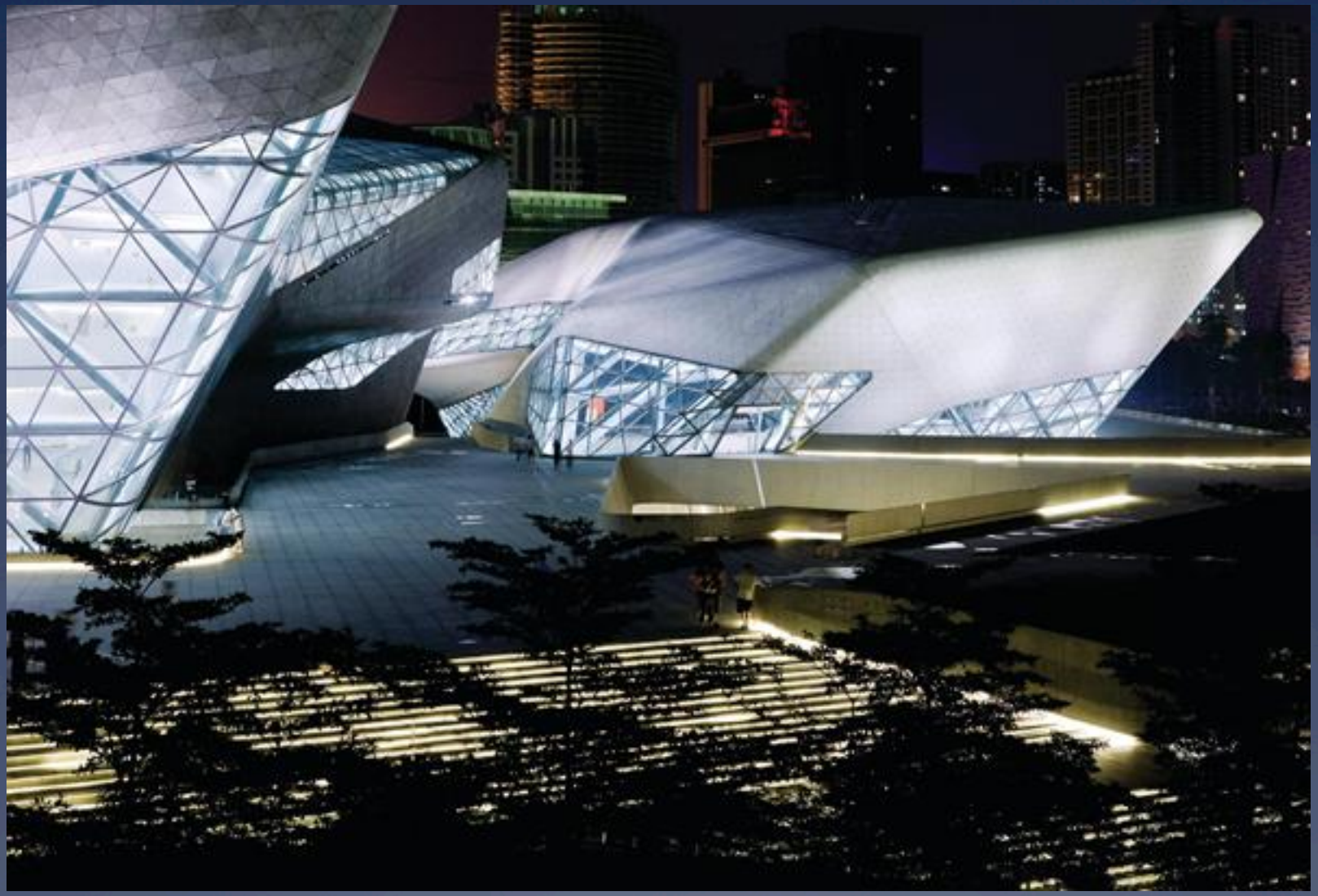


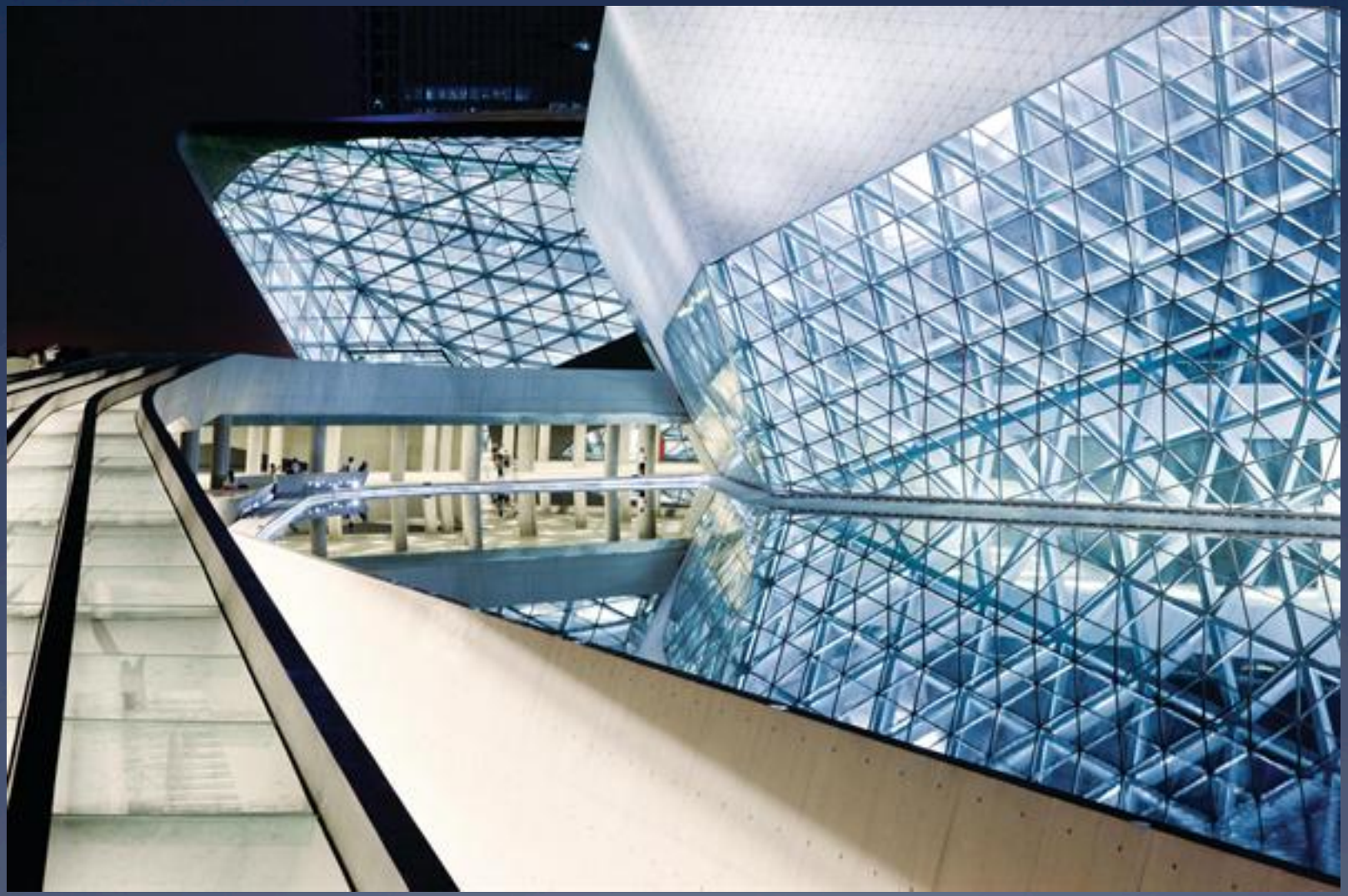

© Luca Galuzzi - www.galuzzi.it

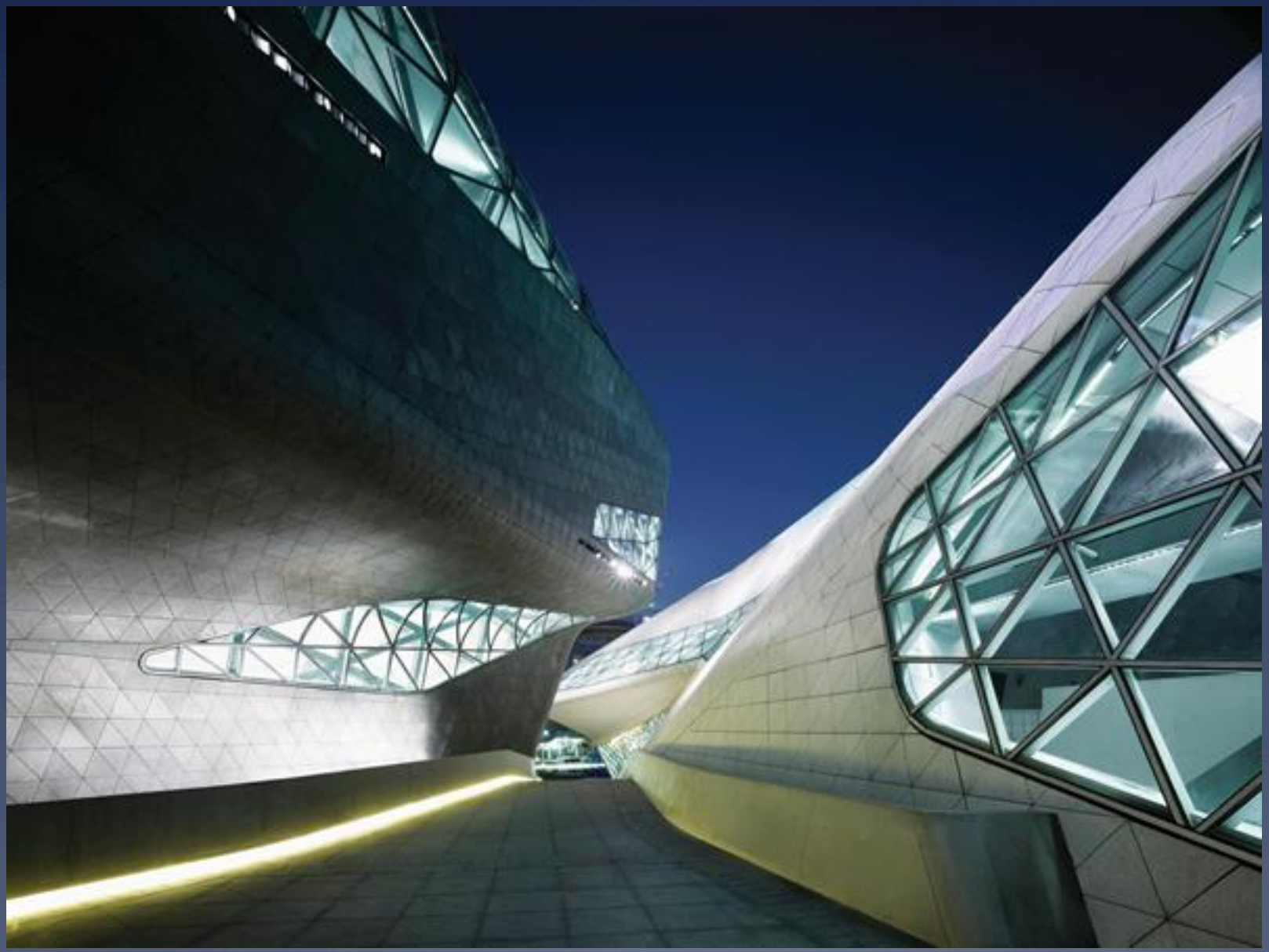
Custom molded GFRC Glass Fiber Reinforced Concrete

http://www.gfrccladding.com/?&p=faq&q=110







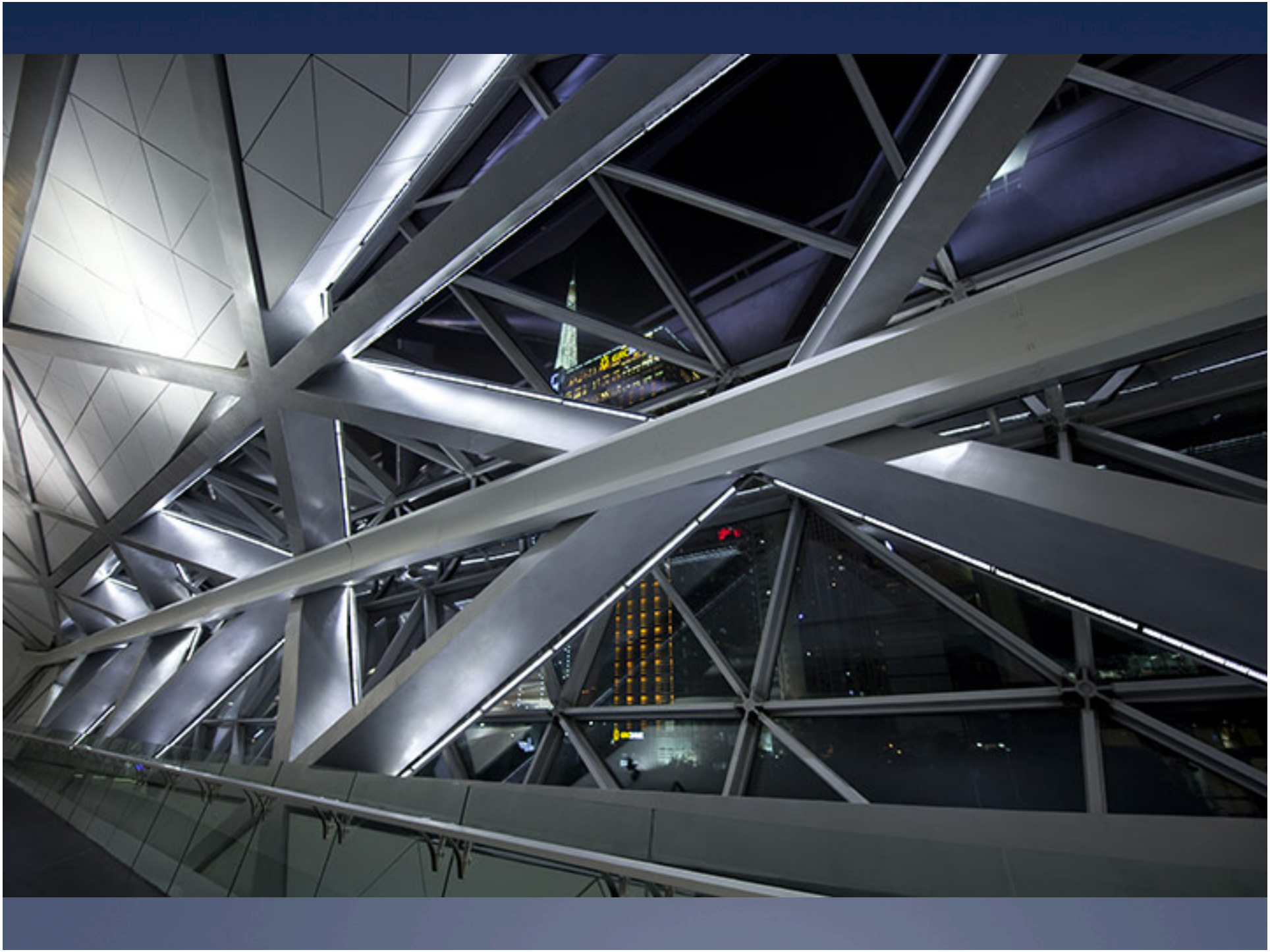


75,422 panels of granite and glass

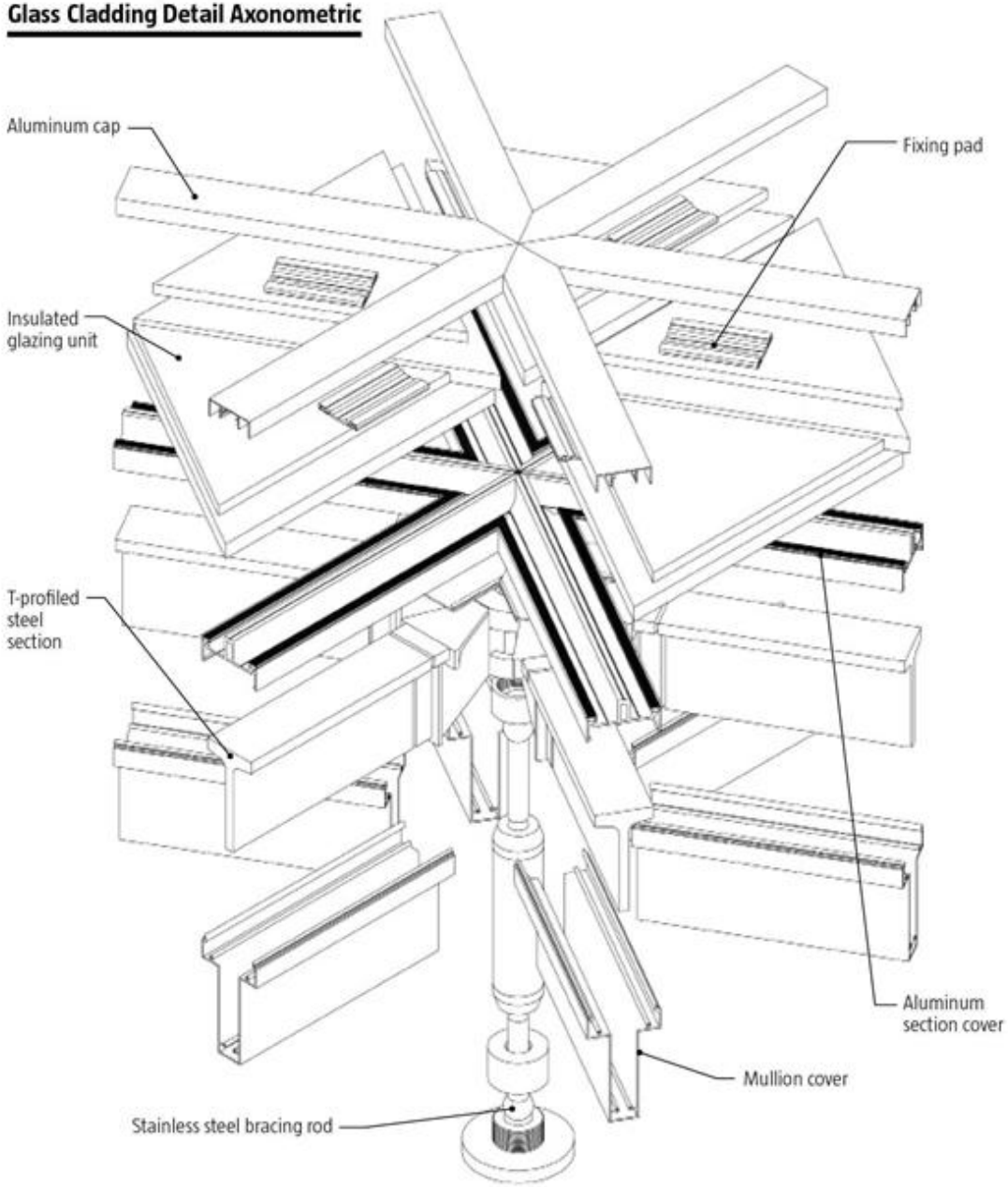
Can you see the roof drains?

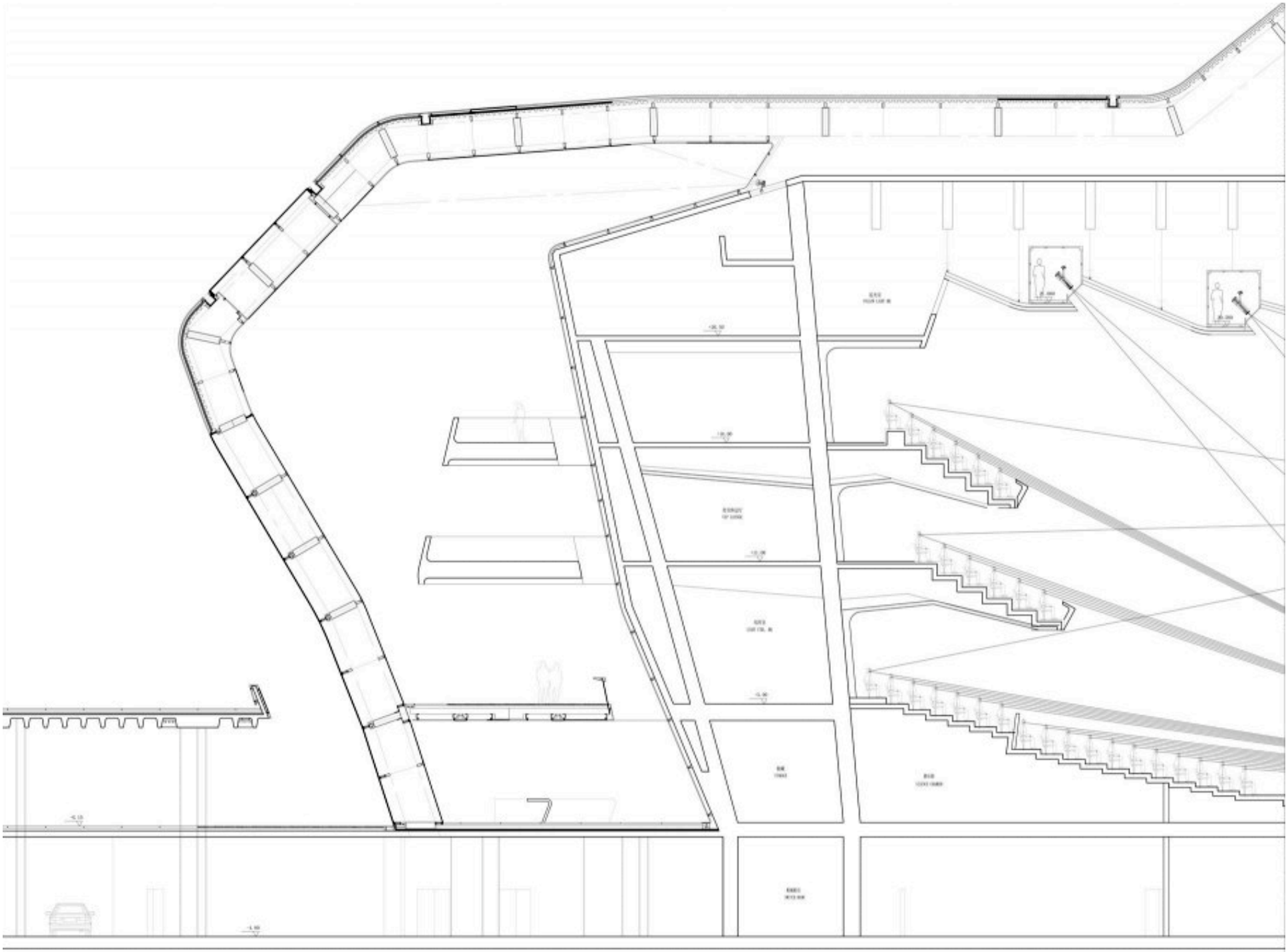
Surface transformation for supply, return, and acoustic absorption

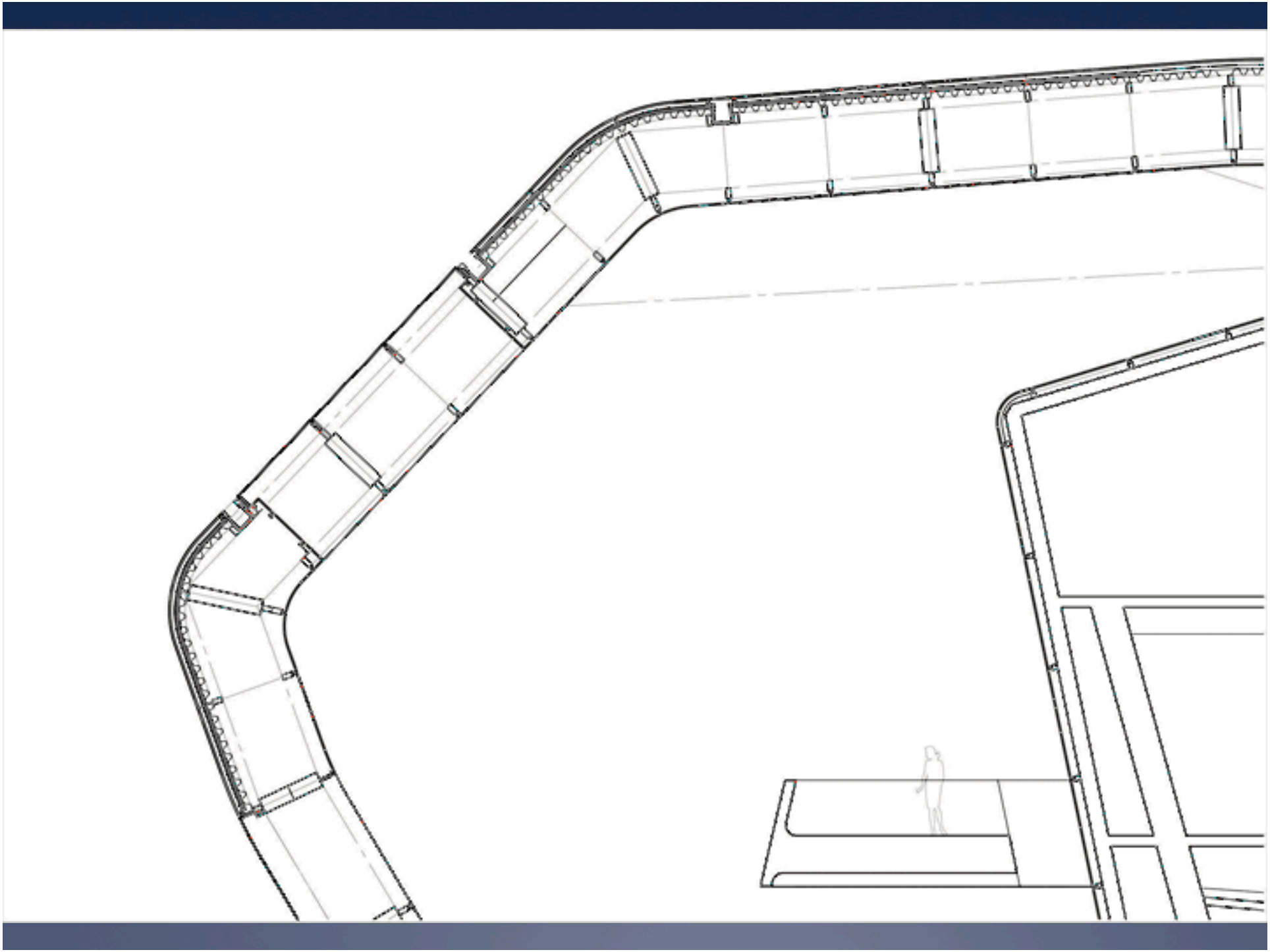
A ceiling designed, not just purchased

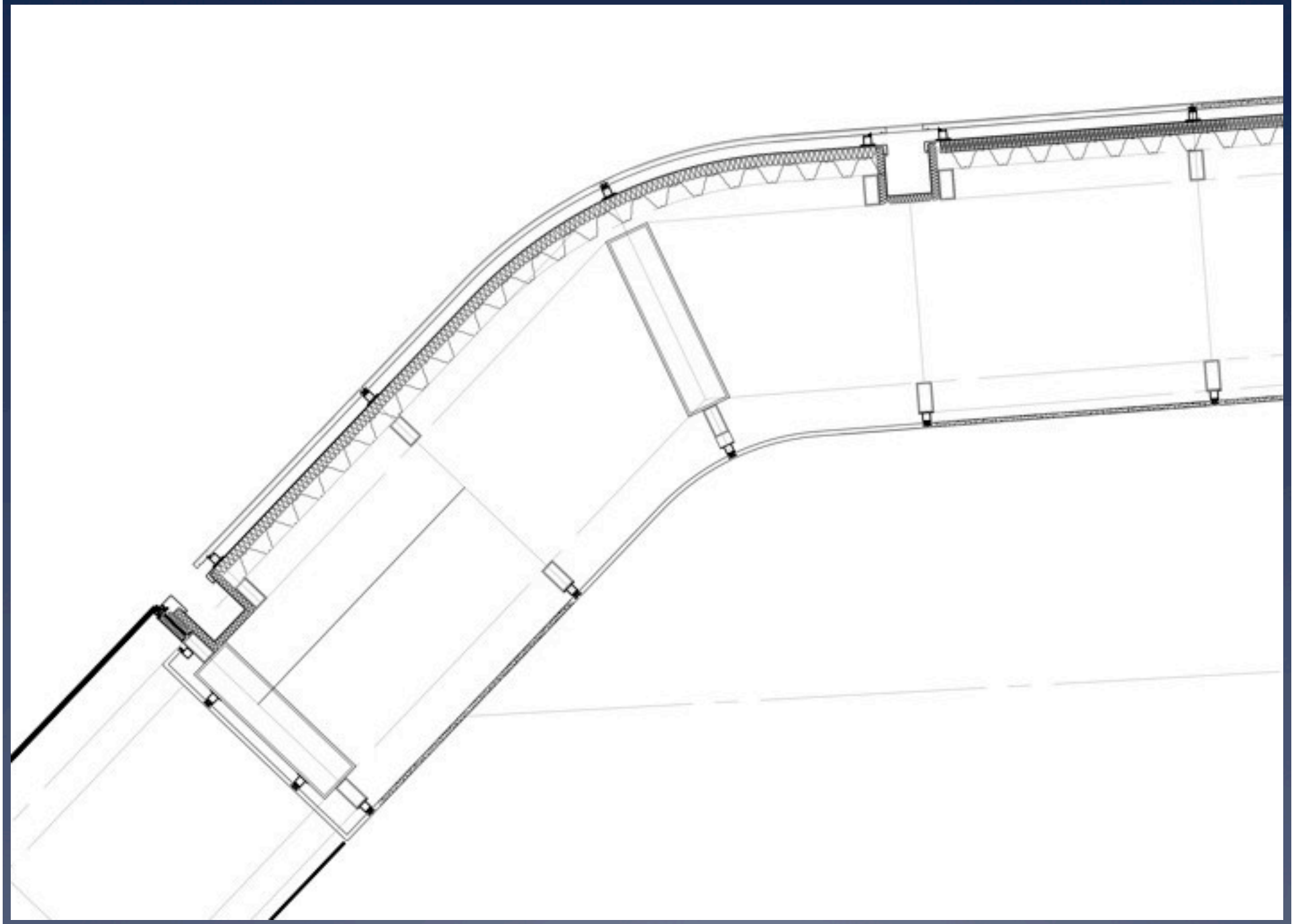


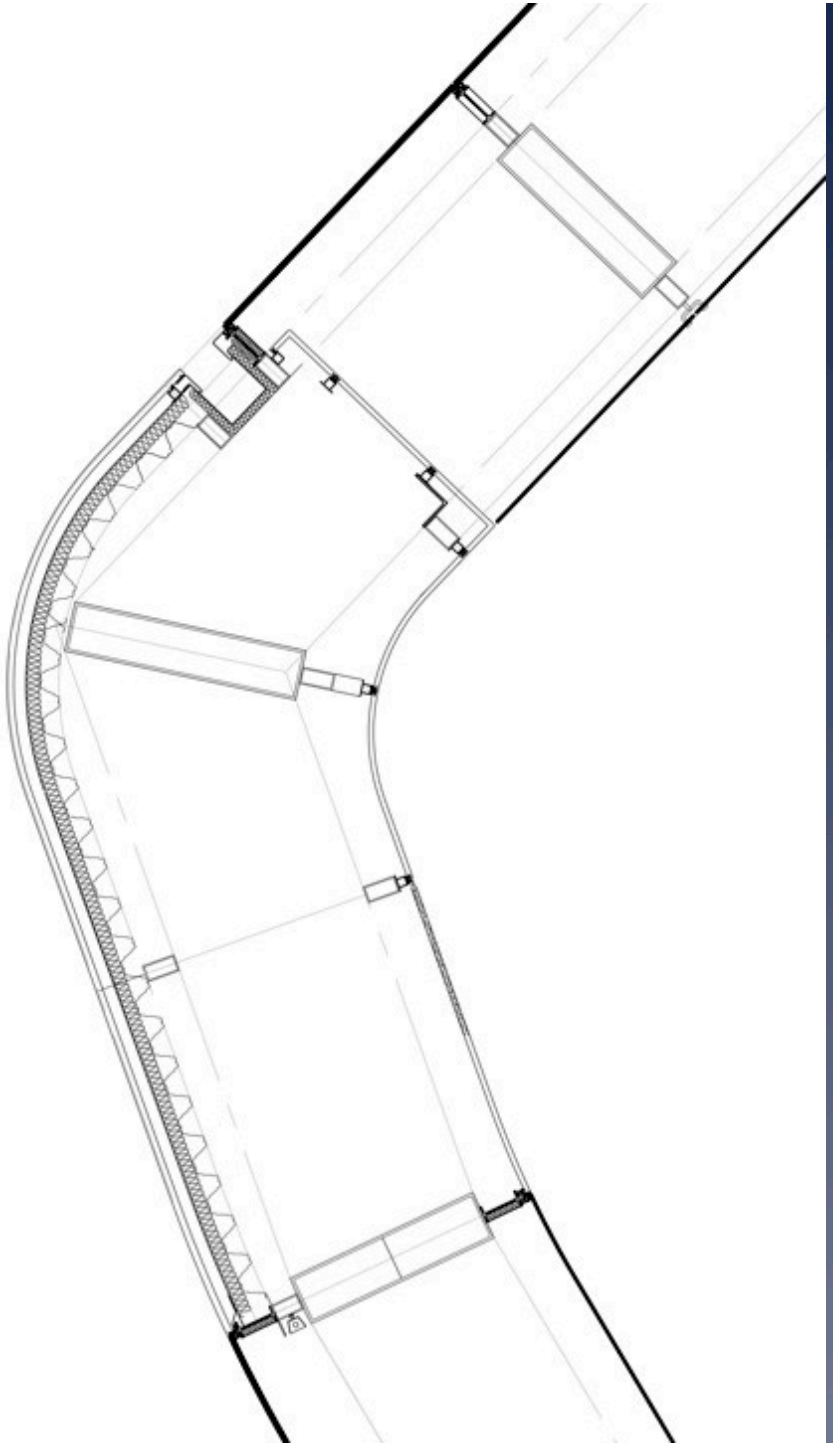
Glass Cladding Detail Axonometric

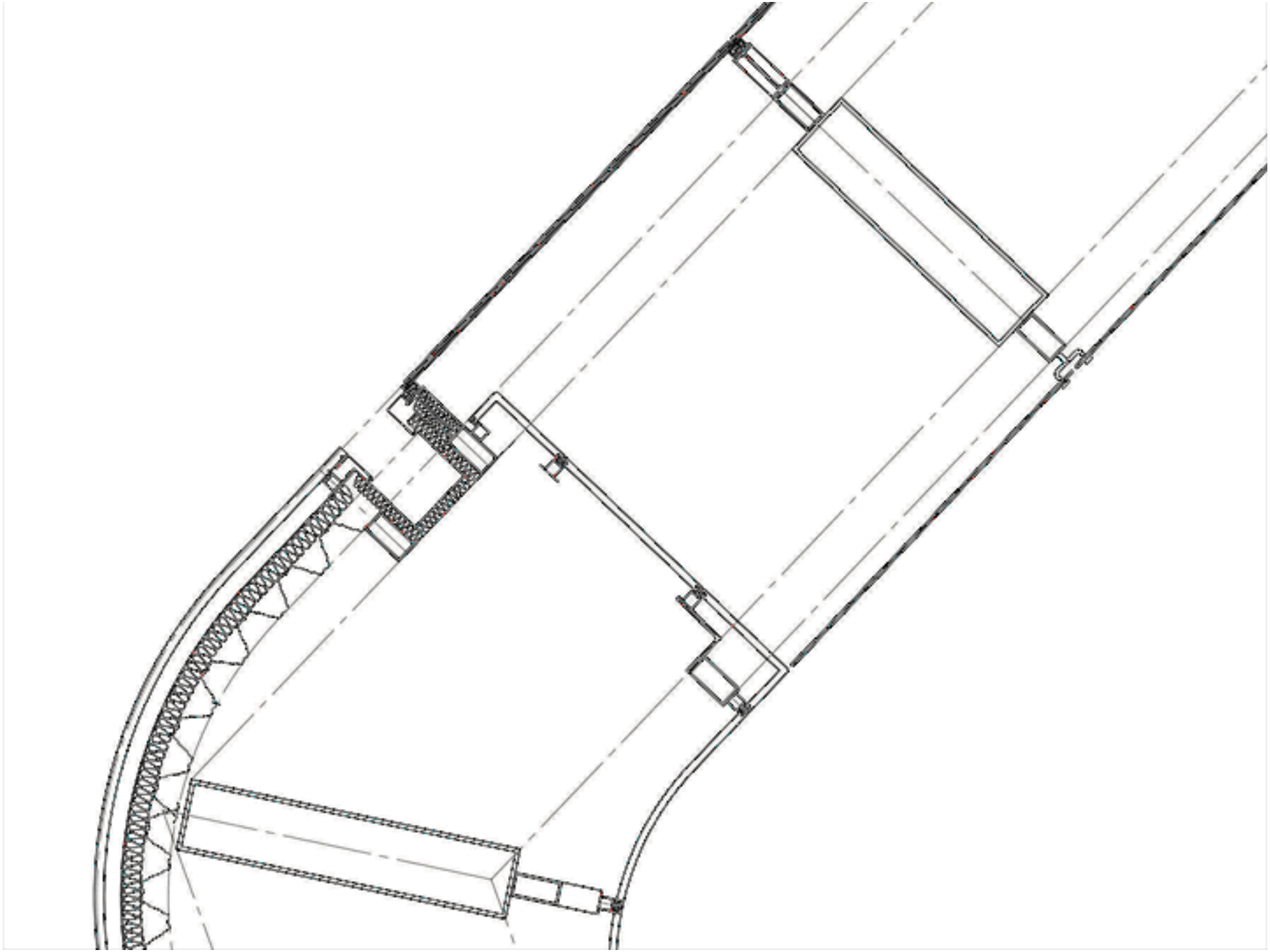


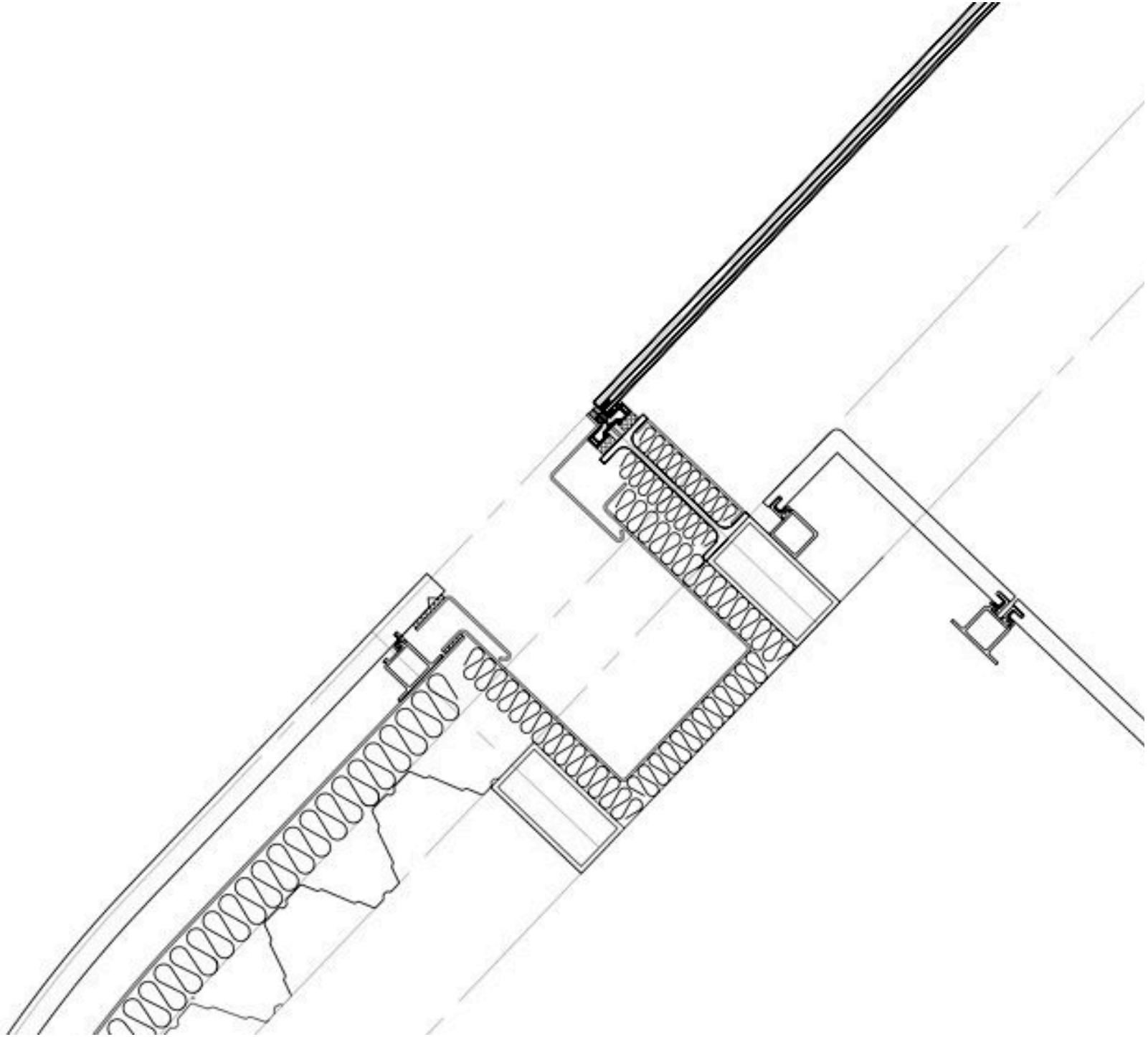


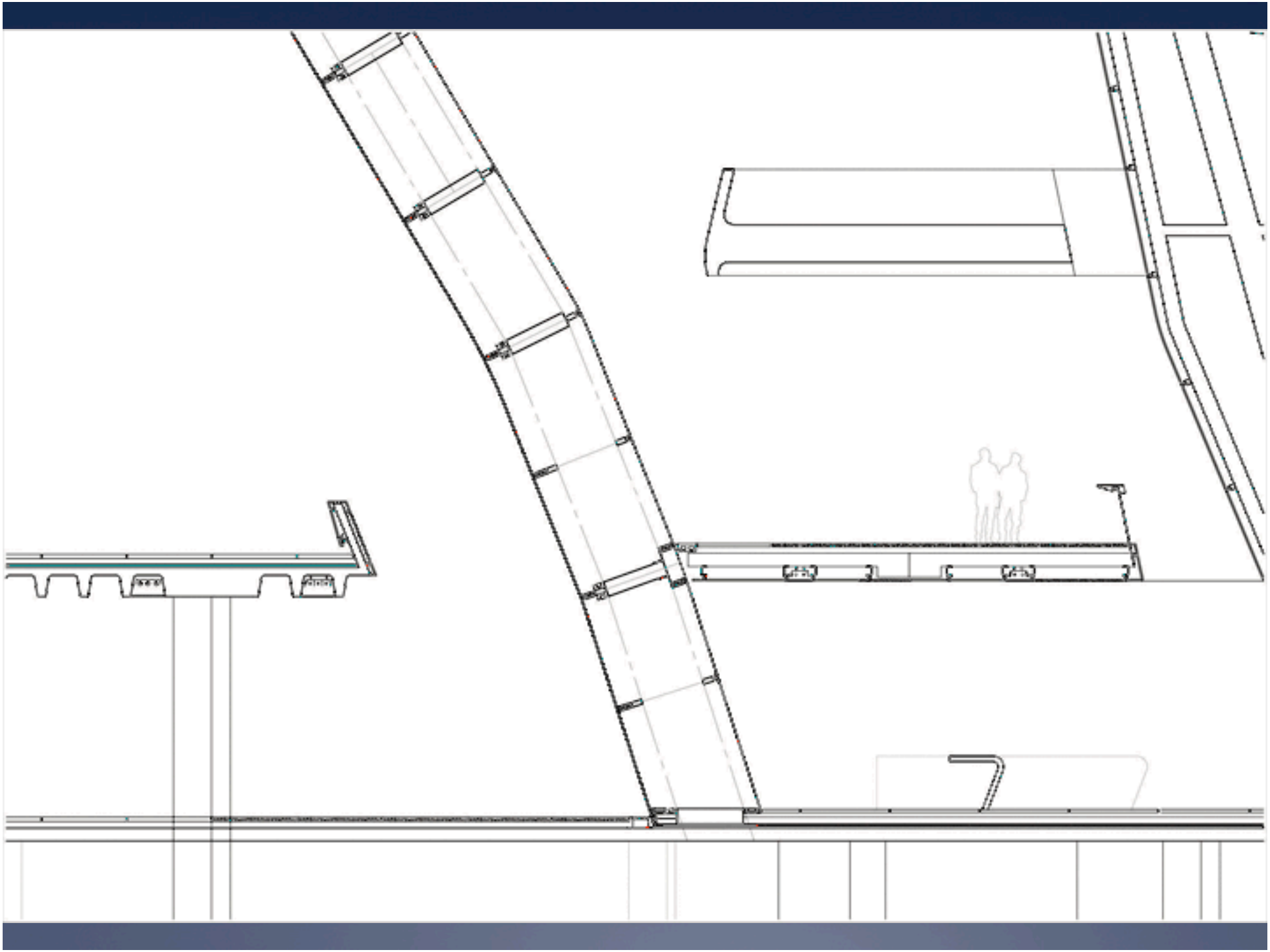


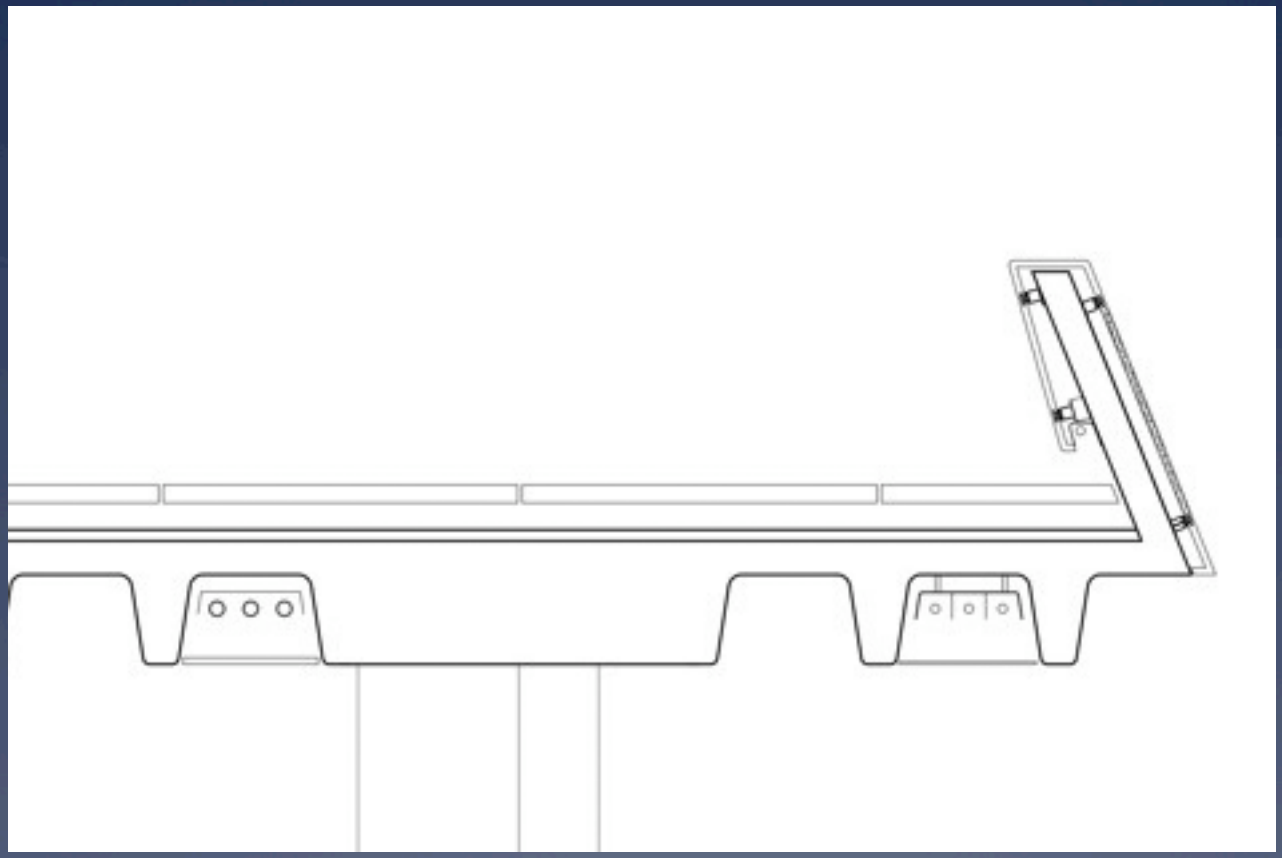


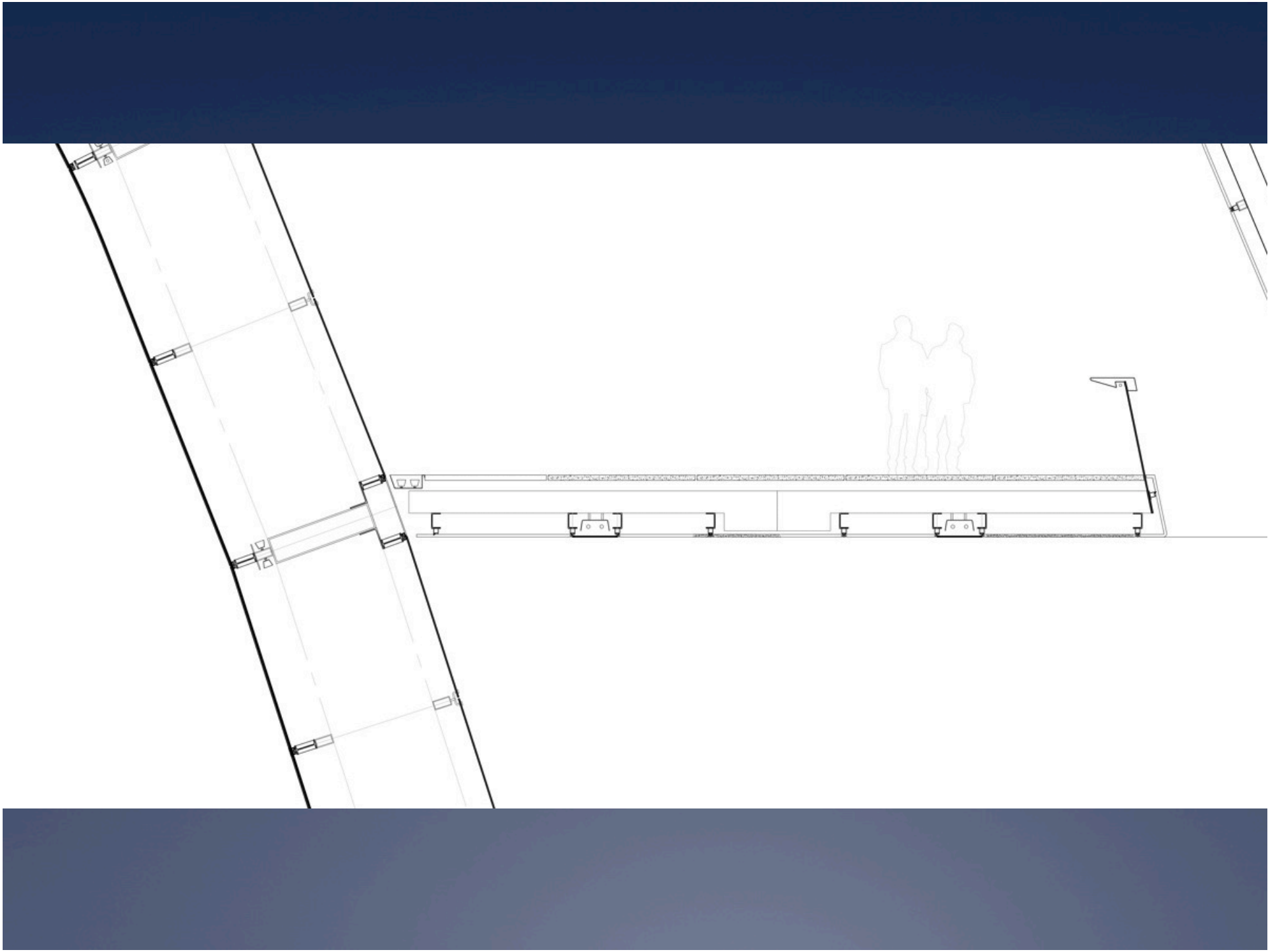


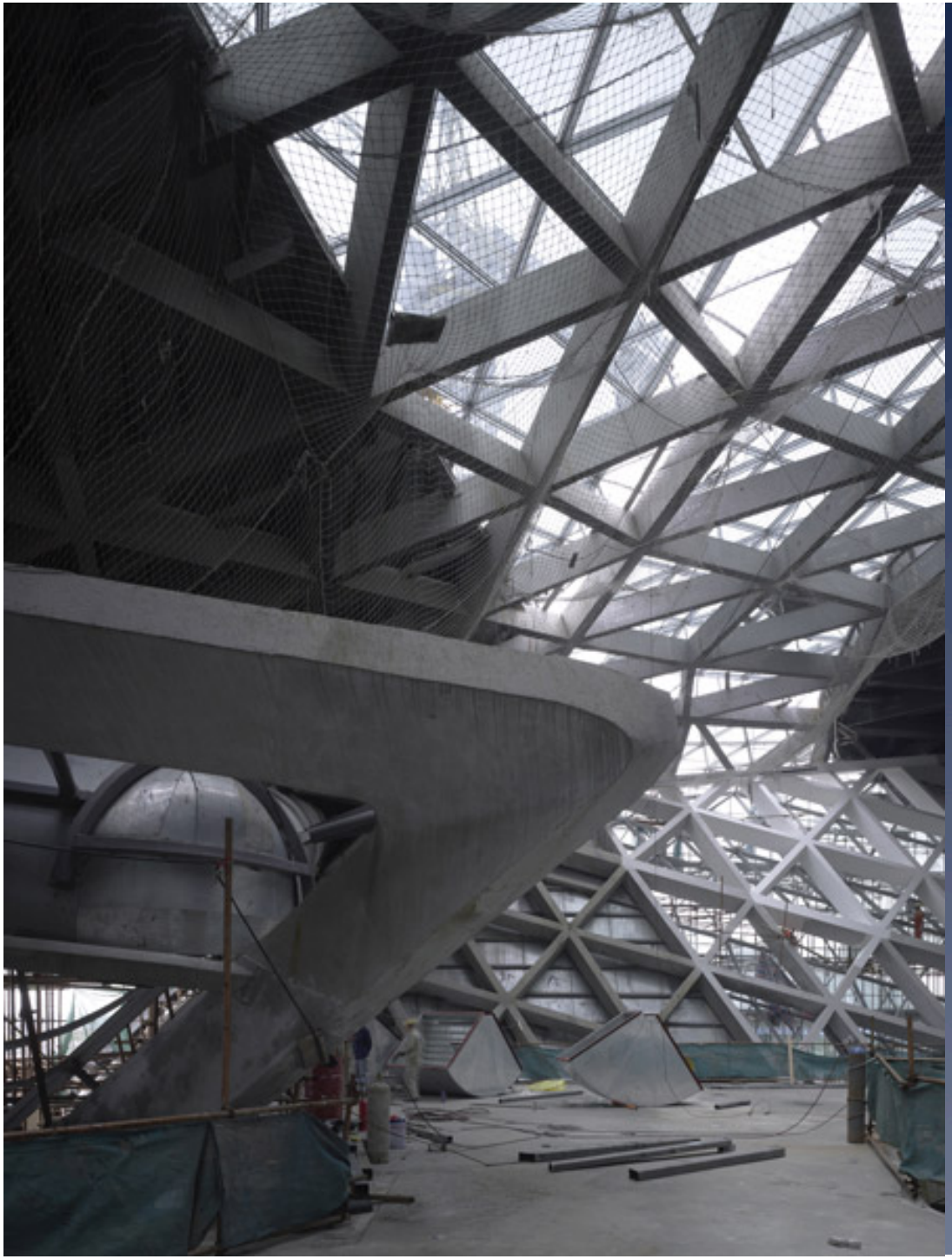


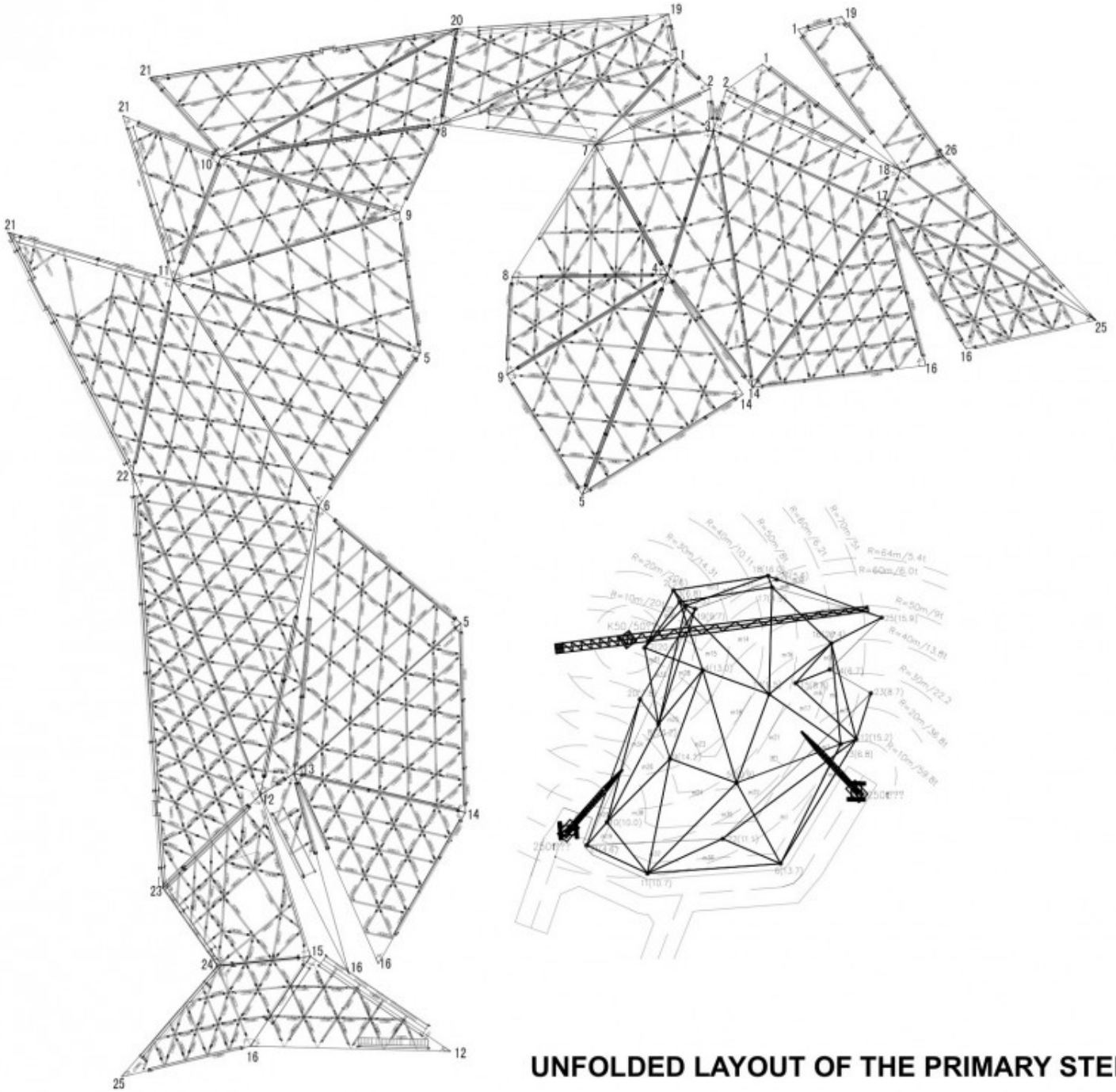




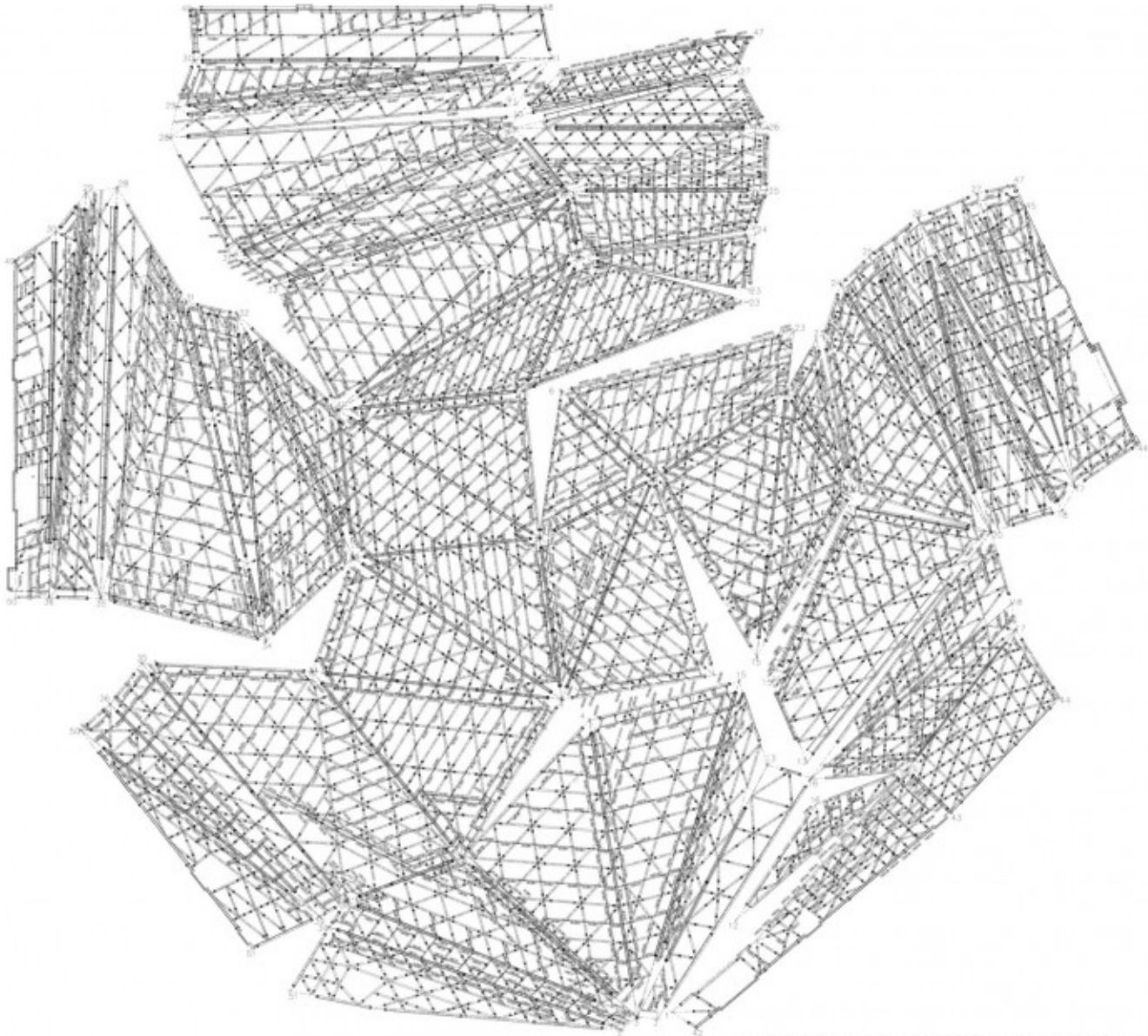


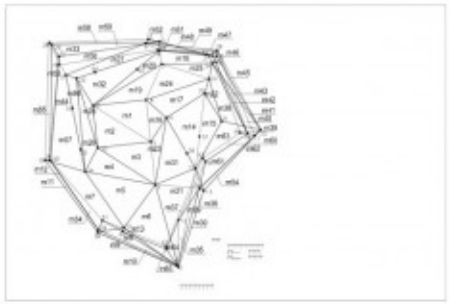






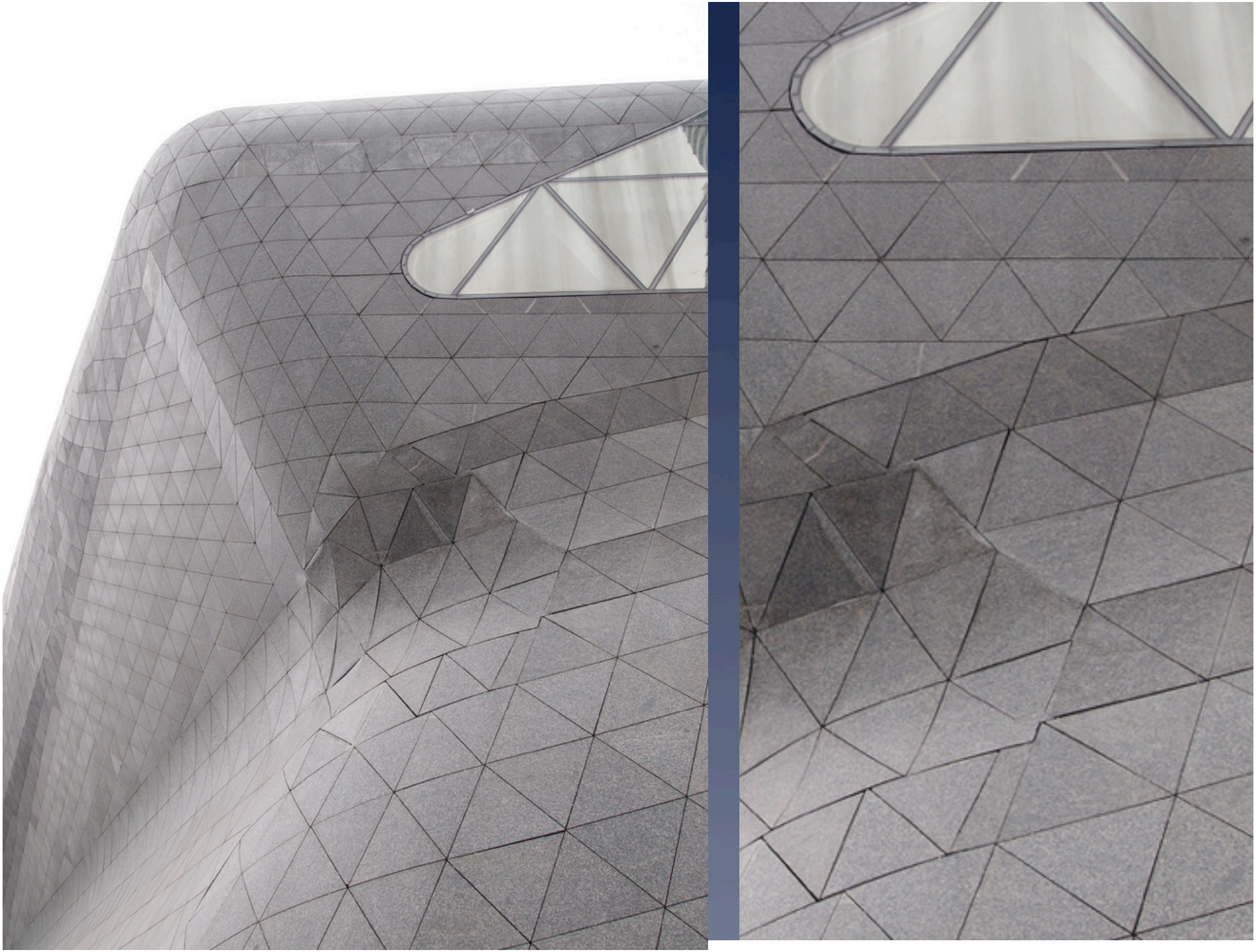
UNFOLDED LAYOUT OF THE PRIMARY STEEL STRUCTURE

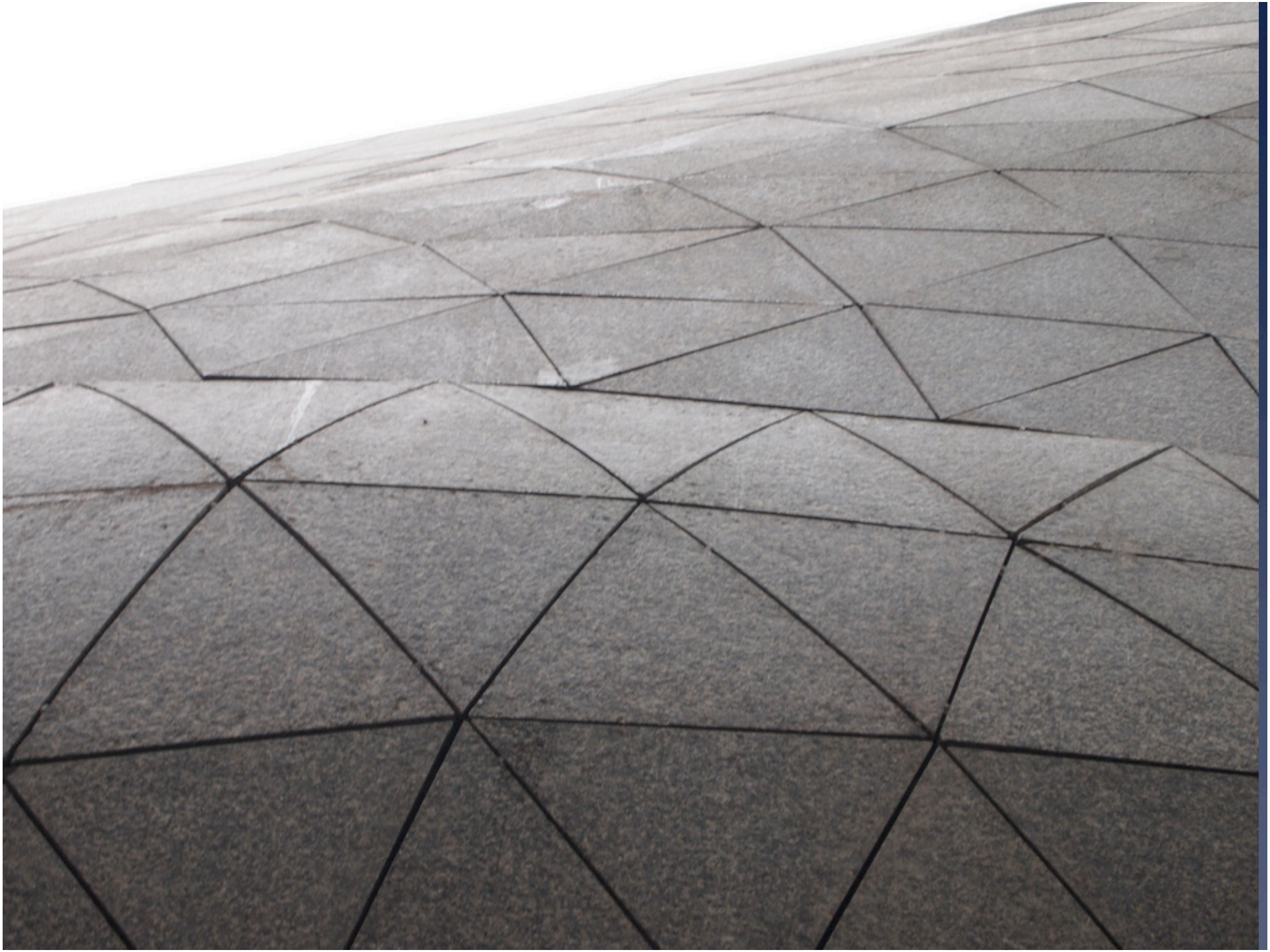


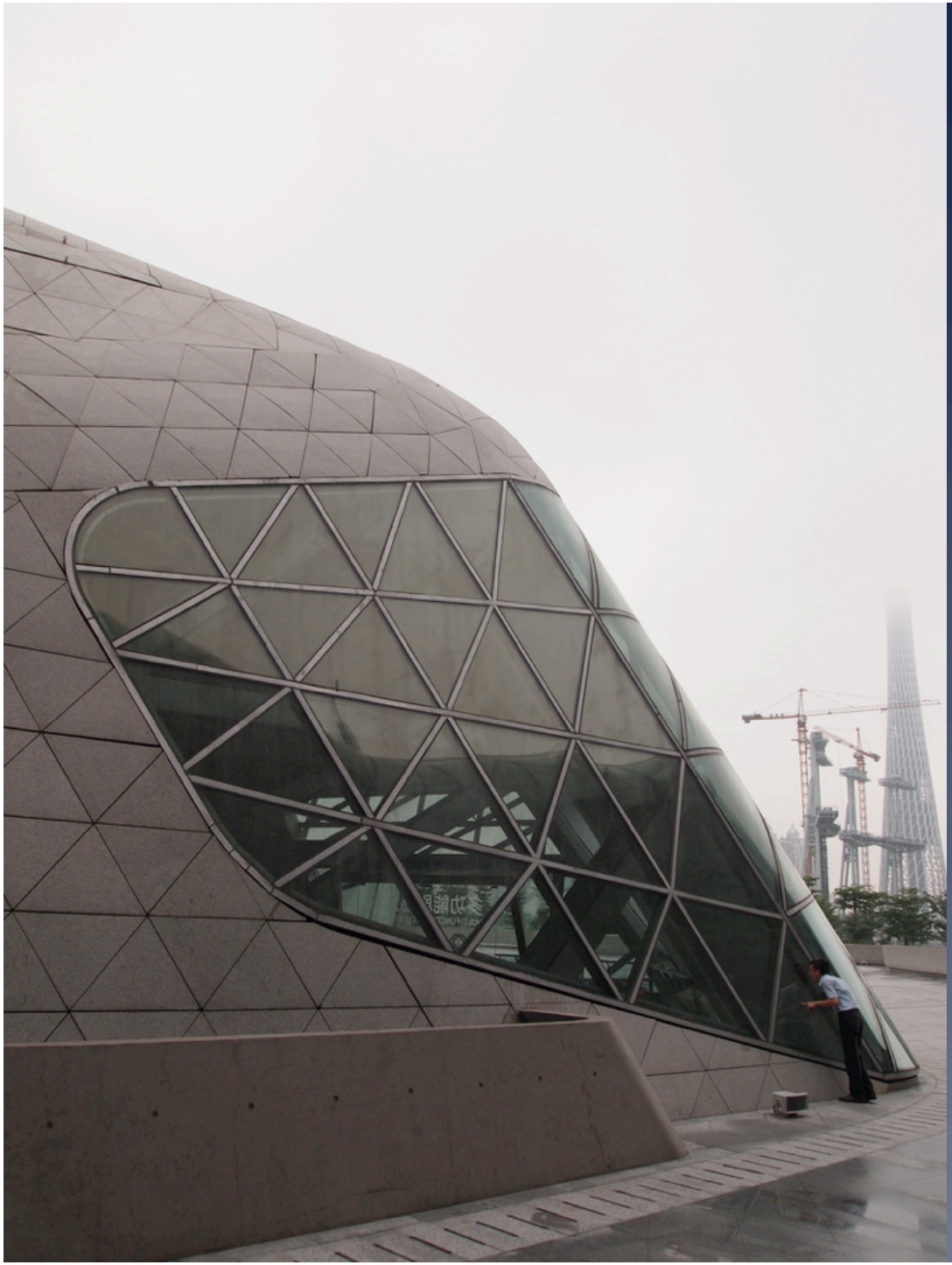


UNFOLDED LAYOUT OF THE SECONDARY STEEL STRUCTURE


RCBANK

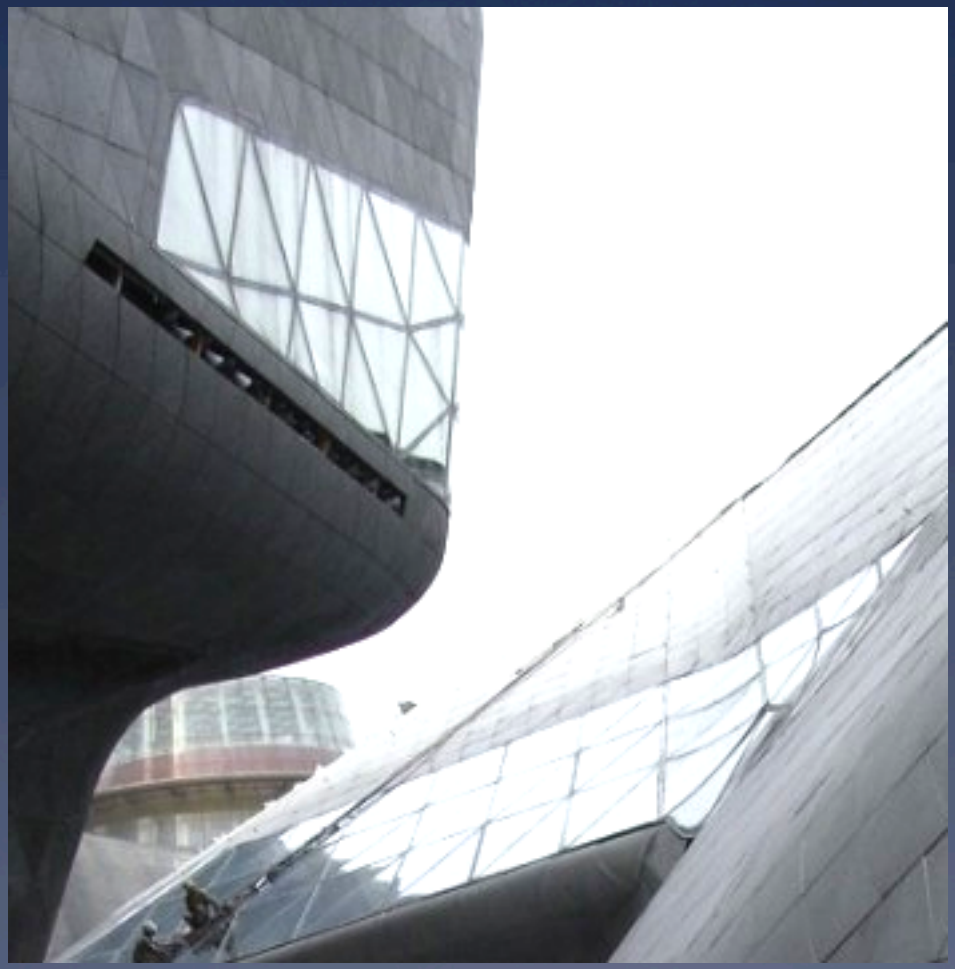


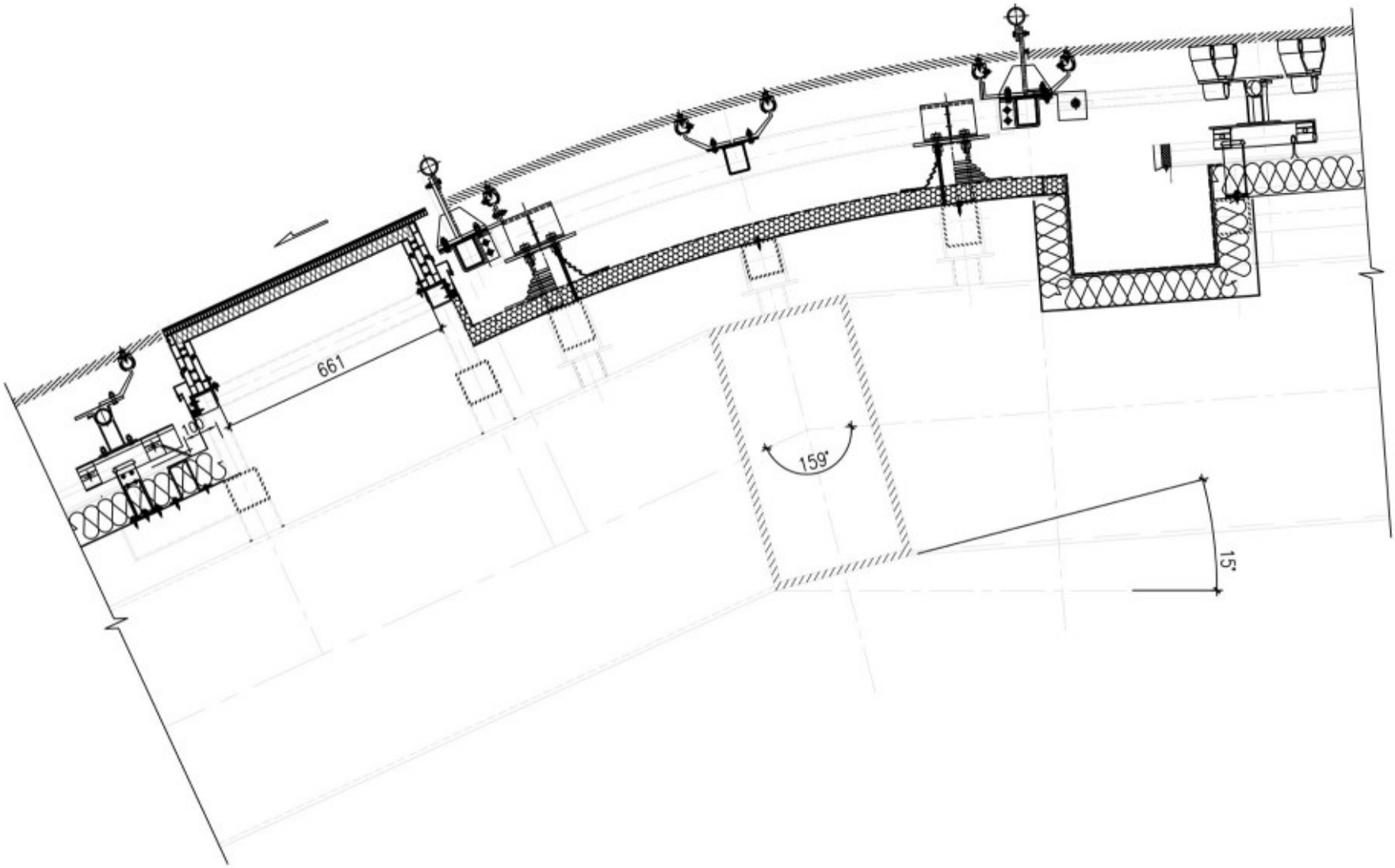


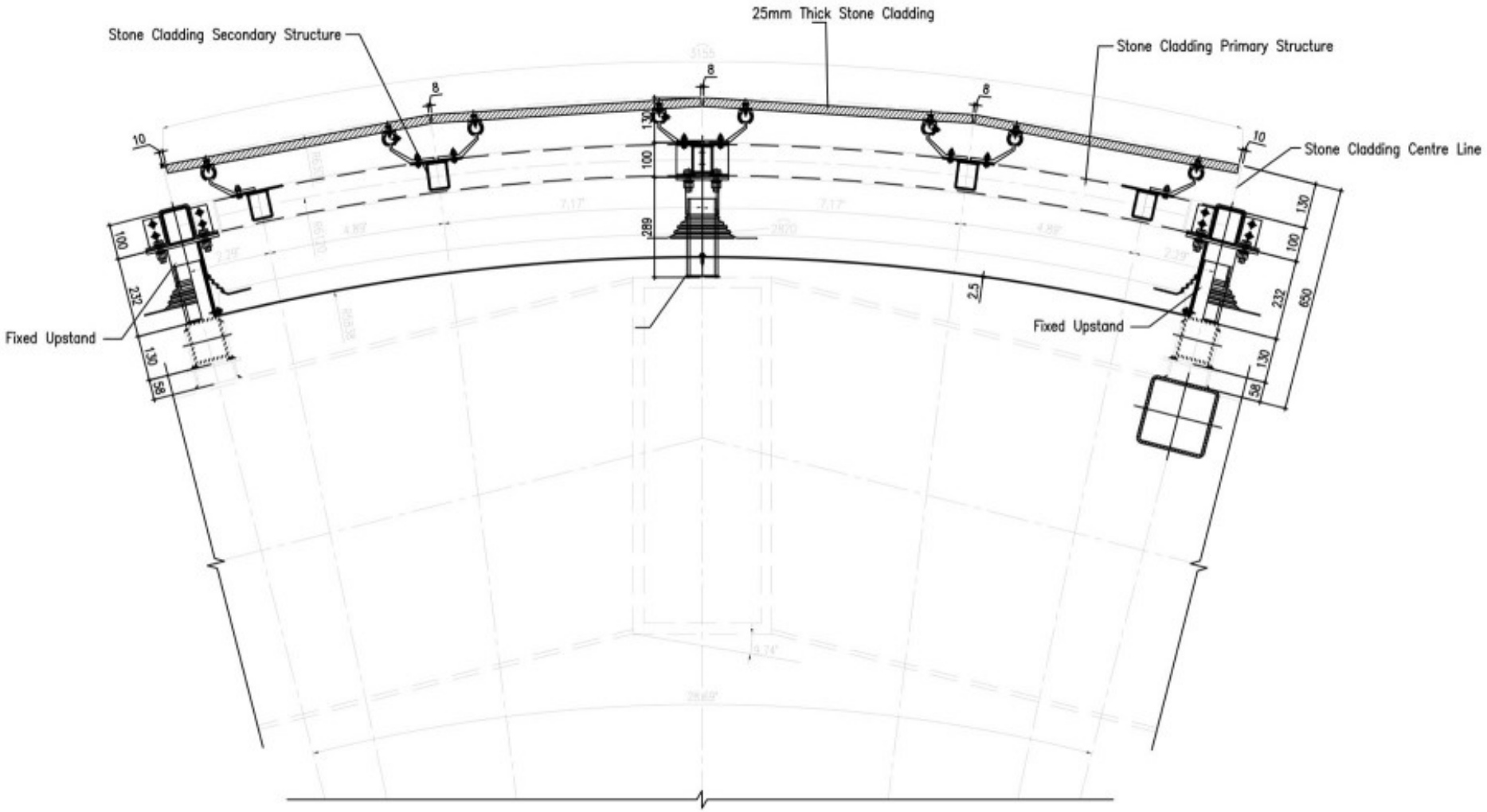


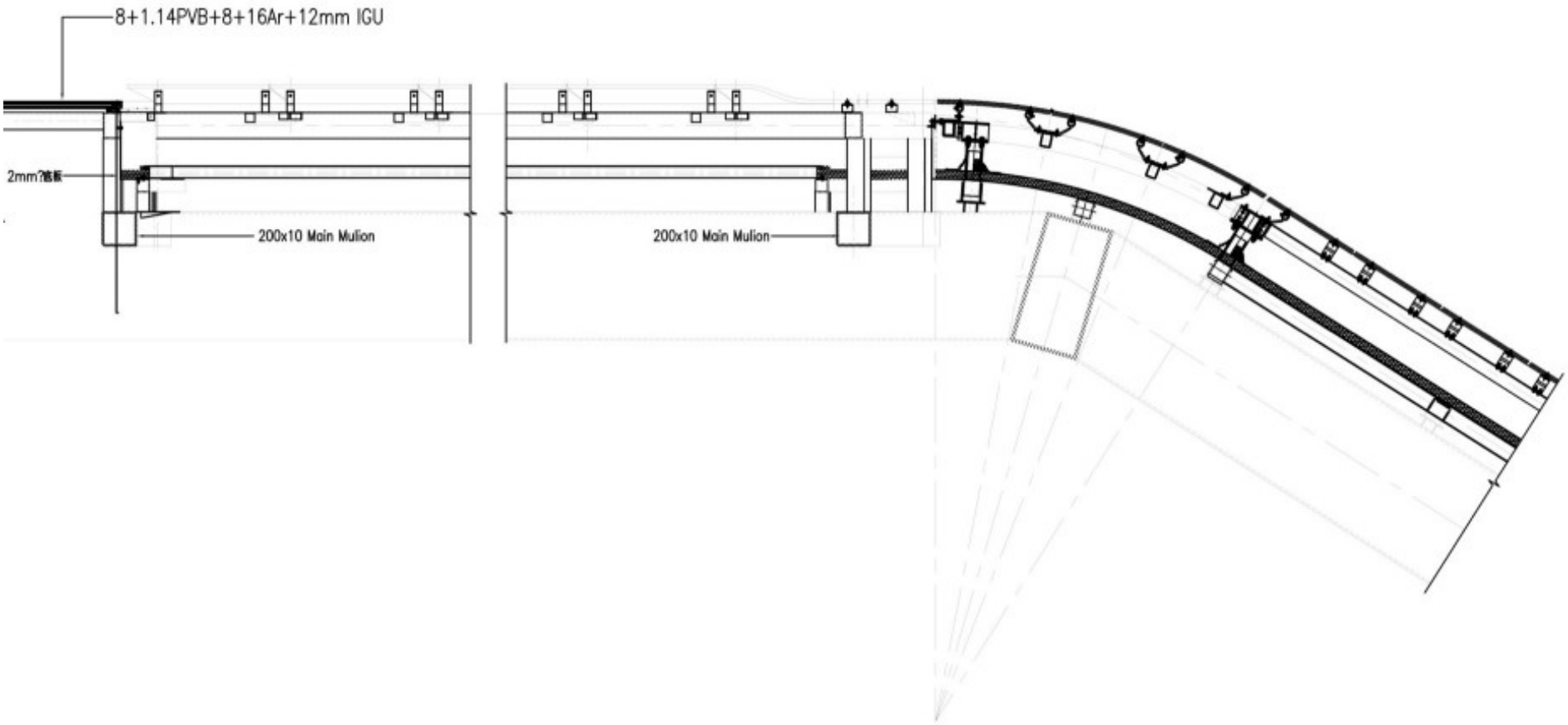
Some buckled? Connectors
Panel misalignment

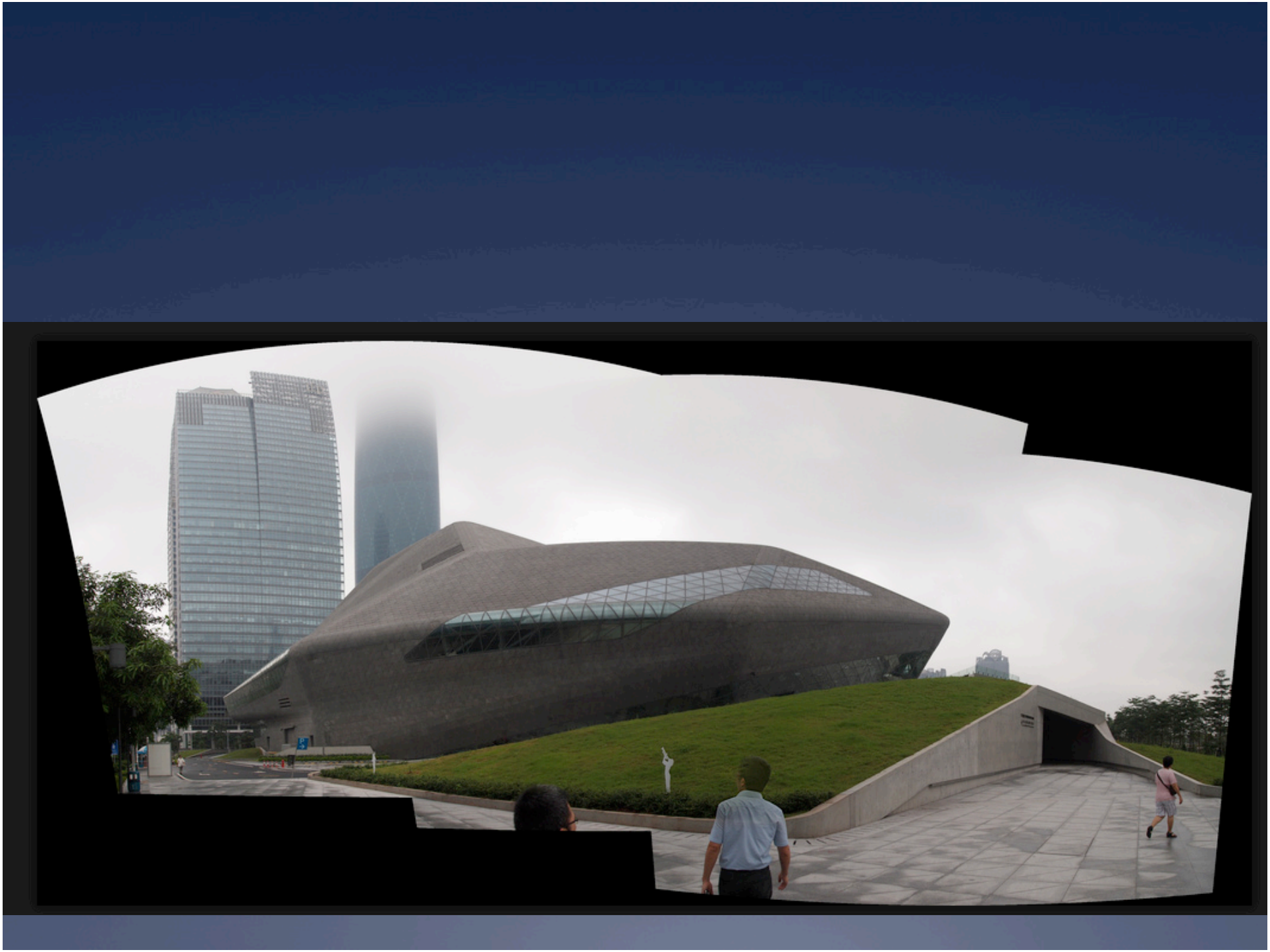
Some struggles with ordinary things

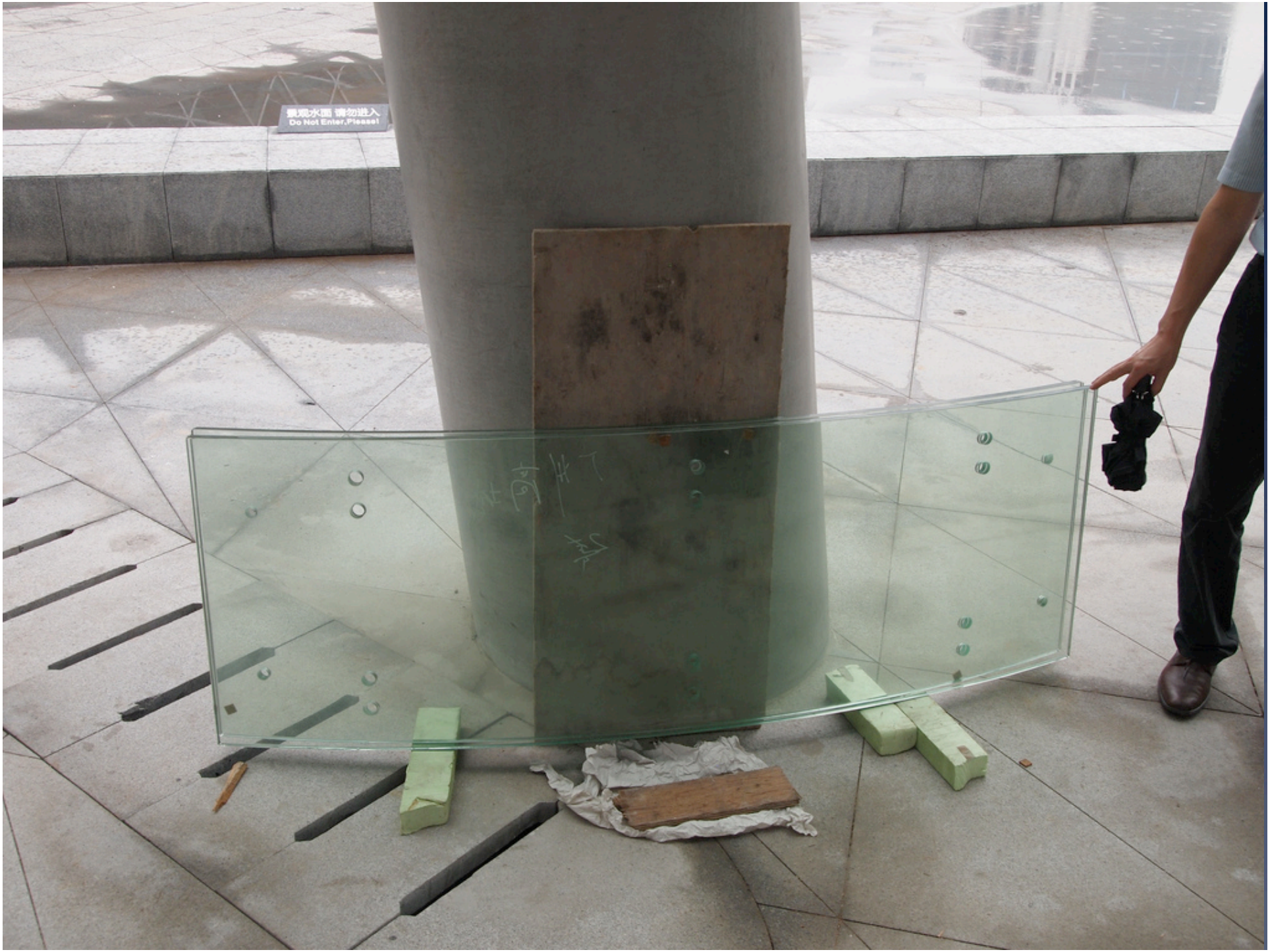


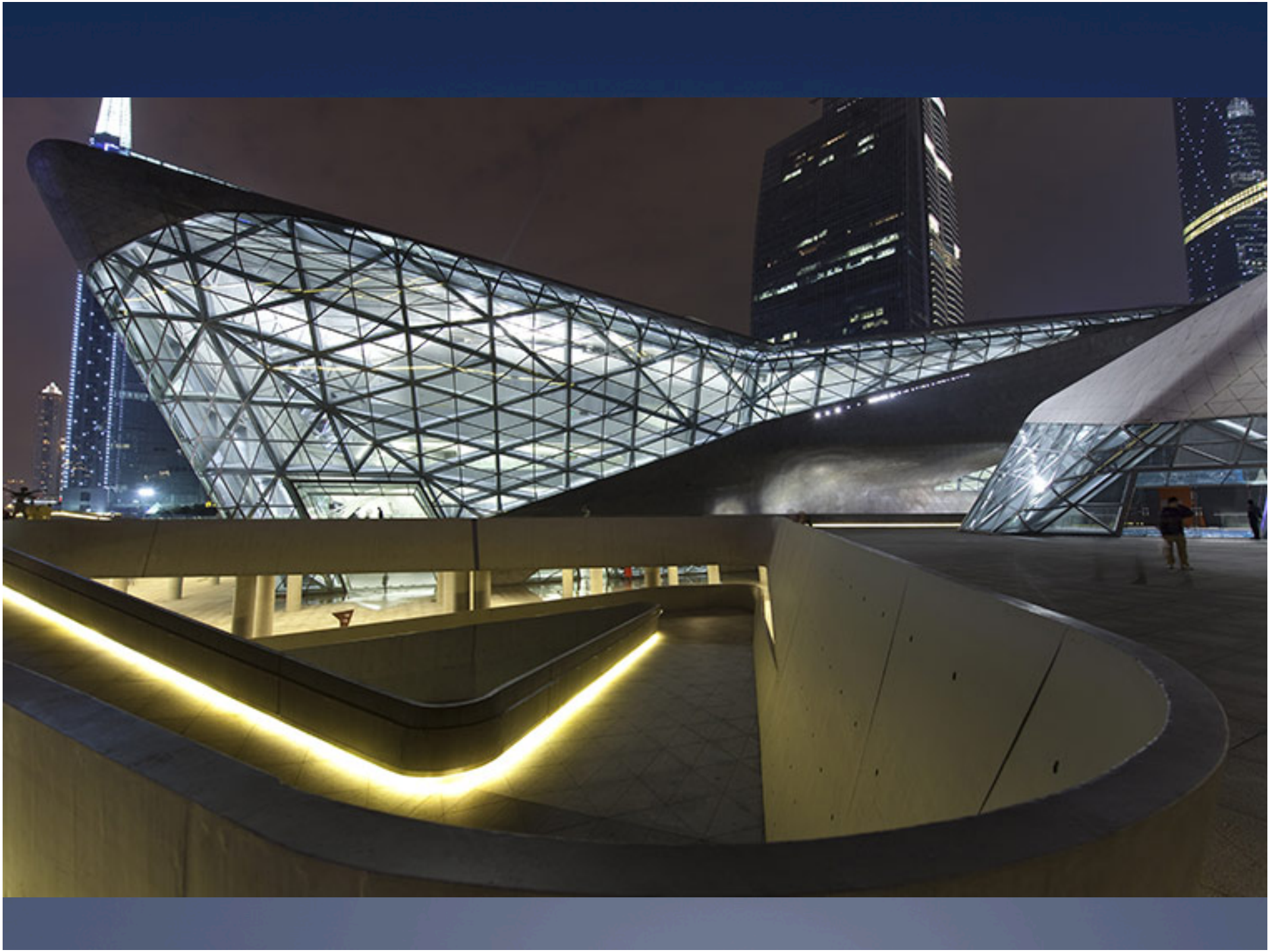

661
159°
15°

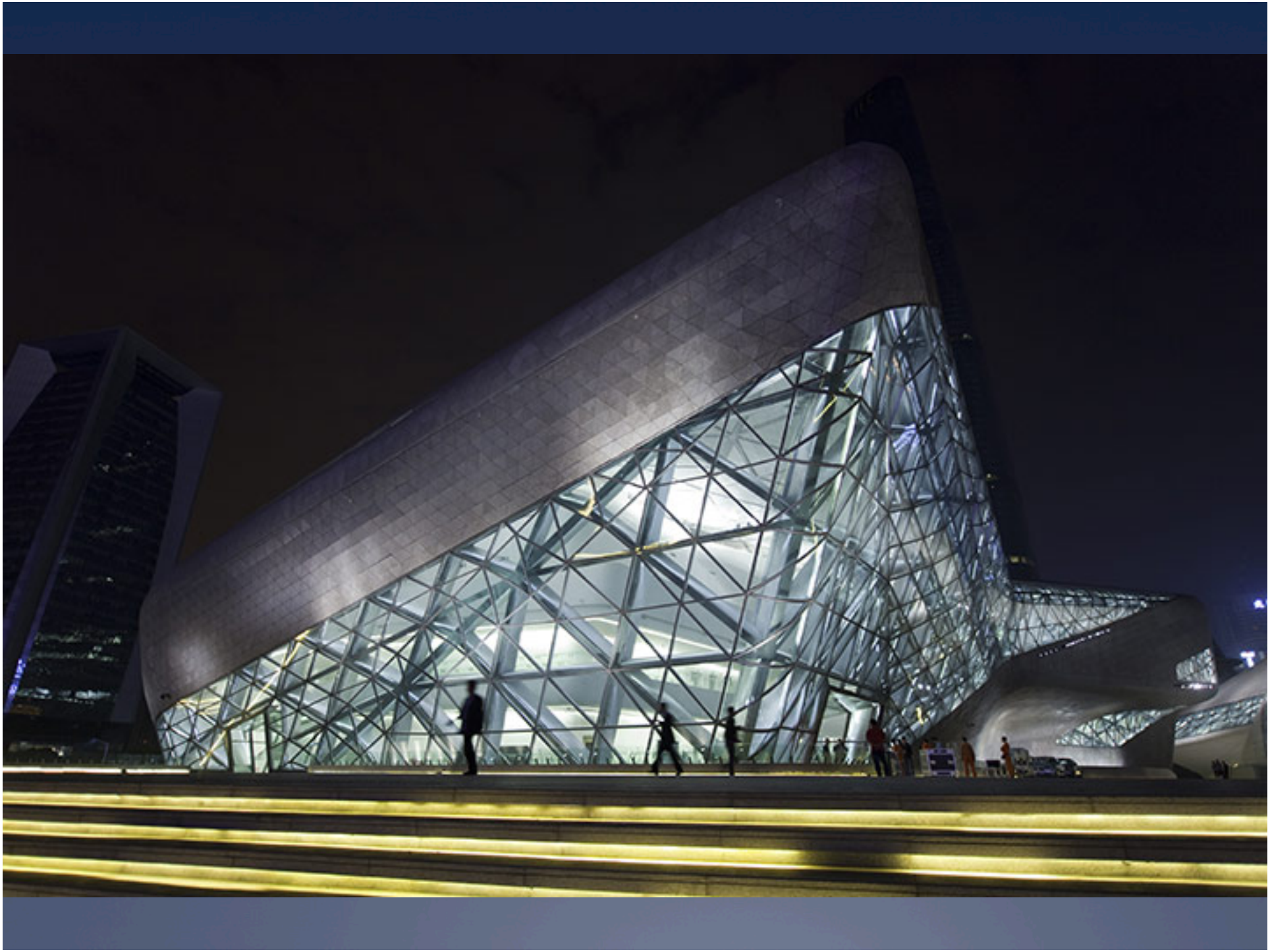

Stone Cladding Secondary Structure
25mm Thick Stone Cladding
Stone Cladding Primary Structure
Stone Cladding Centre Line
Fixed Upstand
Fixed Upstand
8
8
8
10
10
100
289
2.5
100
232
130
58
130
100
232
650
130
58

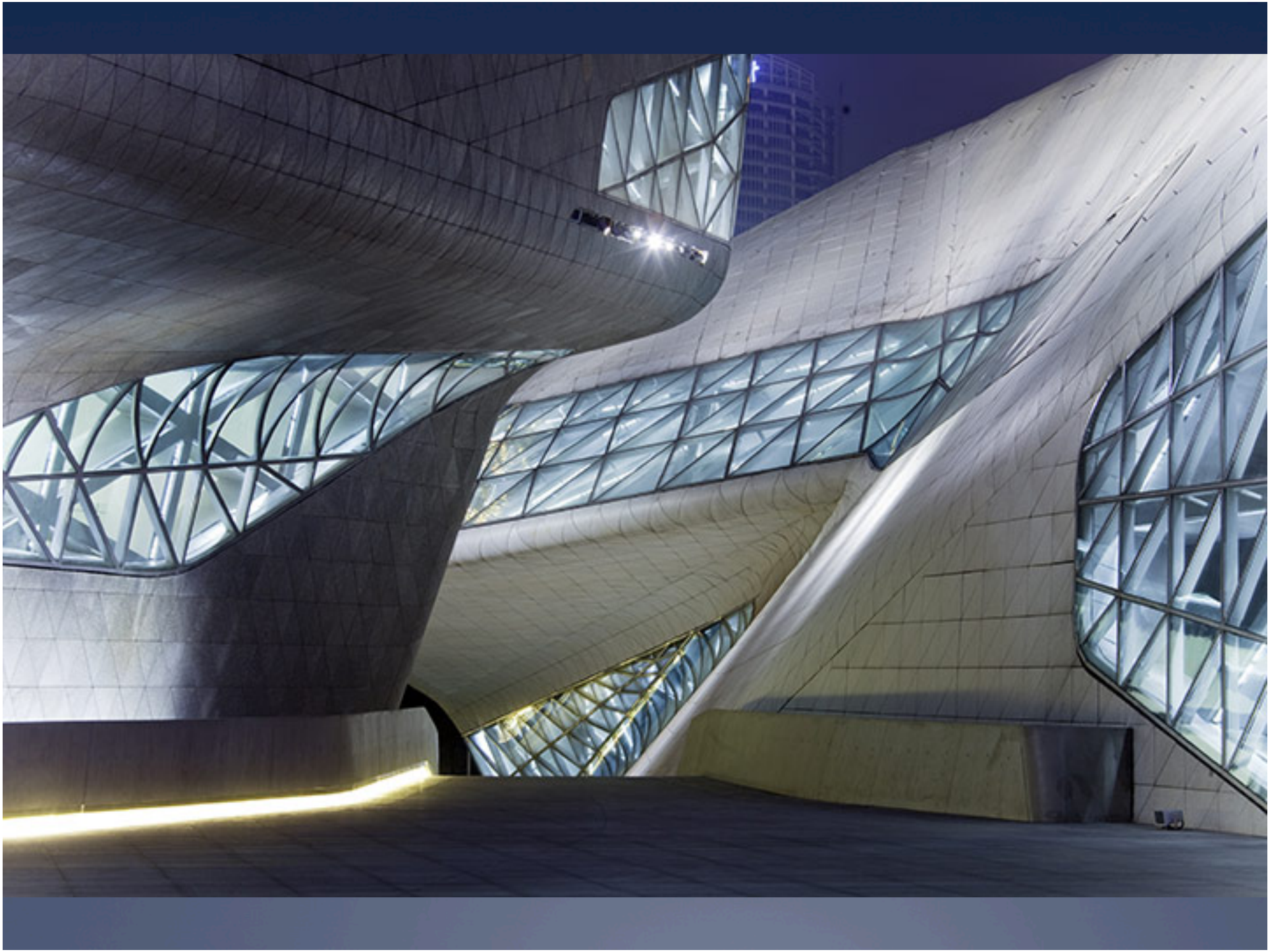

8+1.14PVB+8+16Ar+12mm IGU
200x10 Main Mulion
200x10 Main Mulion

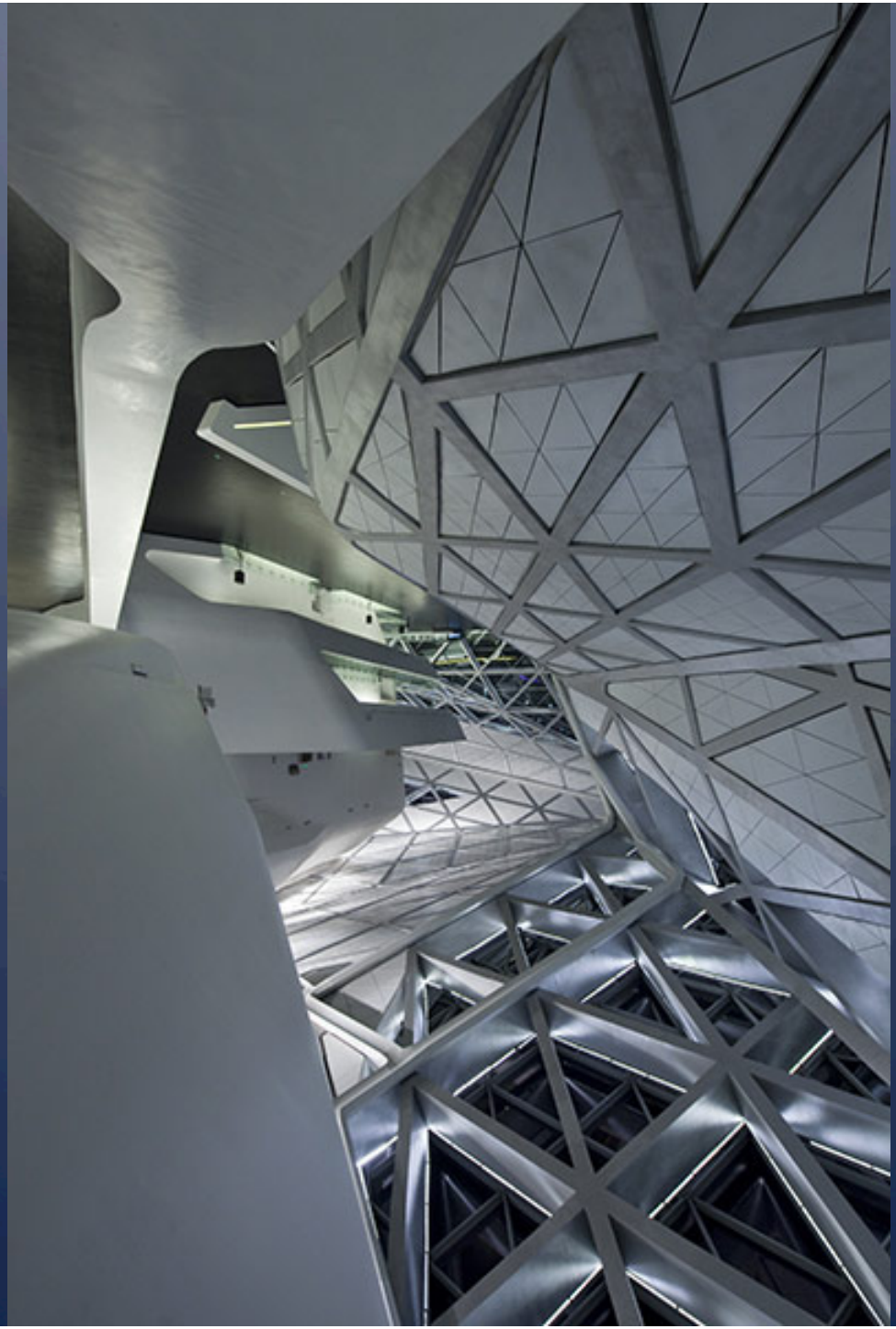



景观水面 请勿进入
Do Not Enter,Please!

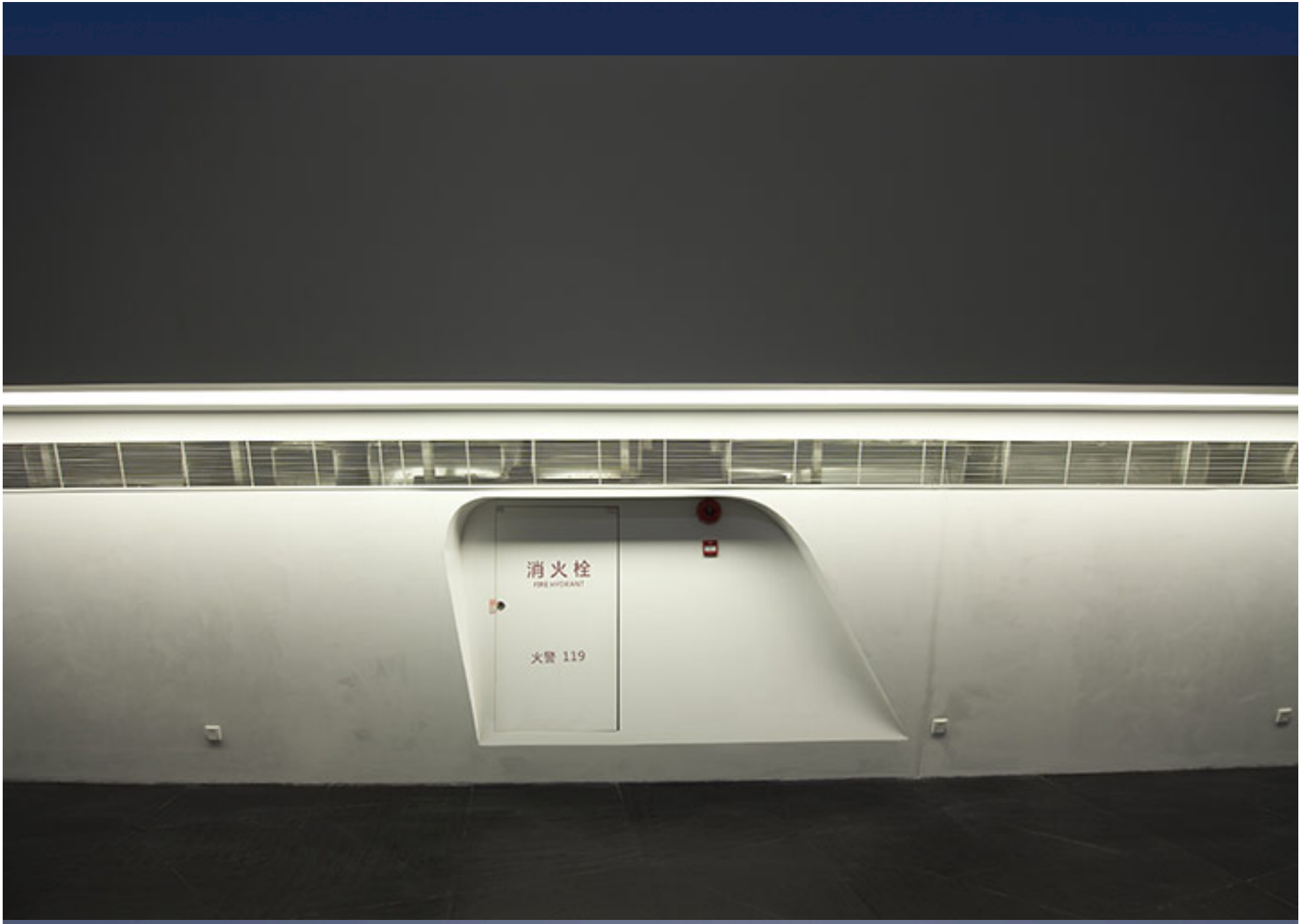








Can you see the roof drains?



Careful placemaking for the ordinary


The ordinary struggles to find a place