

- The cover features images taken from construction site at the Apple store Central World, Bangkok during the construction administration phase.
- All 3D images and 2D CAD Drawings as seen on this entire portfolio are produced by myself, except one exterior rendering image from Phayathai Complex Project

Natawat Warotdulyavat
B.Arch, ACT
**Architecture
Professional Work**

Project List

Page 1 - 7	Shenzhen Bay Culture Park, Shenzhen MAD Architects
Page 8 - 10	Apple Store @ CentralWorld, Bangkok Foster + Partners
Page 11 - 12	Phayathai Complex, Bangkok Palmer & Turner (Thailand)

Personal Information

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Shenzhen Bay Culture Park

Shenzhen, China

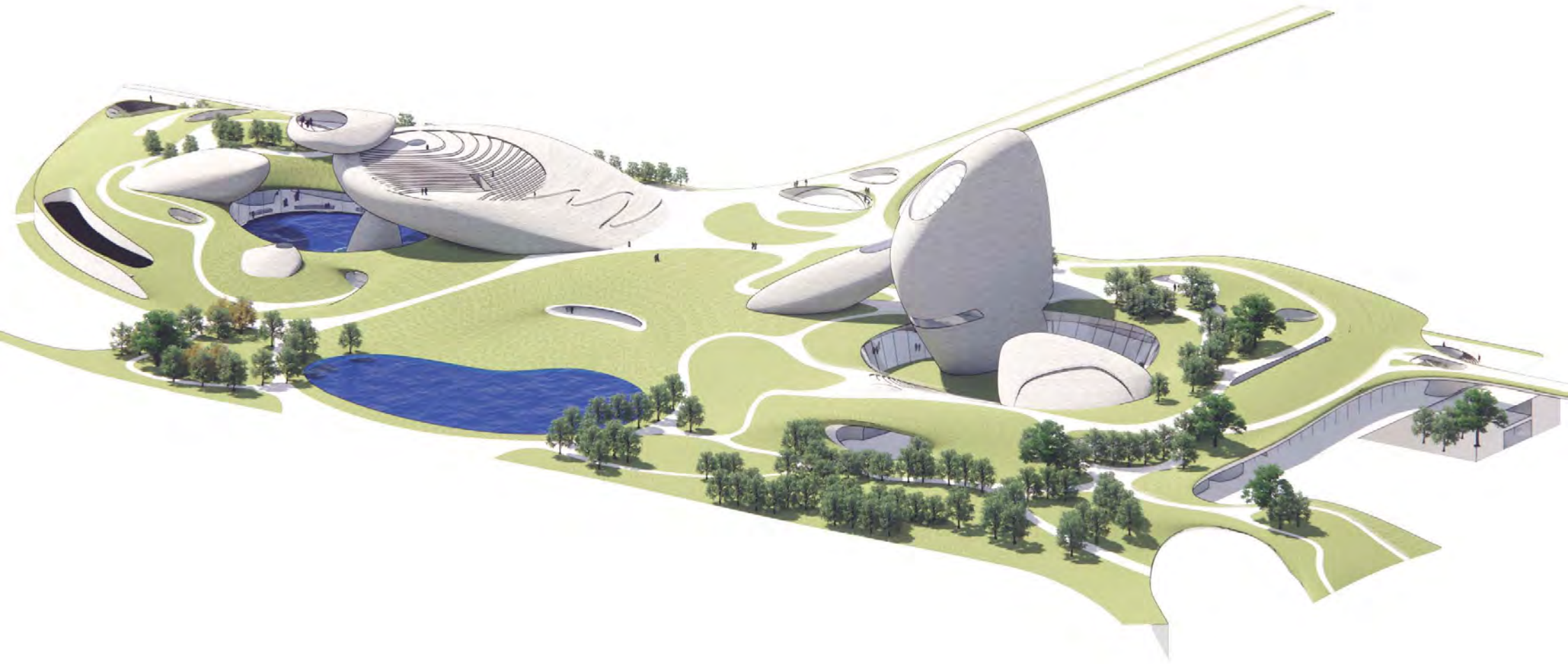
MAD Architects
Beijing

Role and Responsibility

Mainly responsible to develop podium facade detailing, and contribute any design as assigned by the Associate Partner. I am involved from schematic design phase, design development stage, and onward.

Software Used

- Rhinoceros
- Autodesk AutoCAD
- Enscape
- Adobe Photoshop



Elevation Drawings

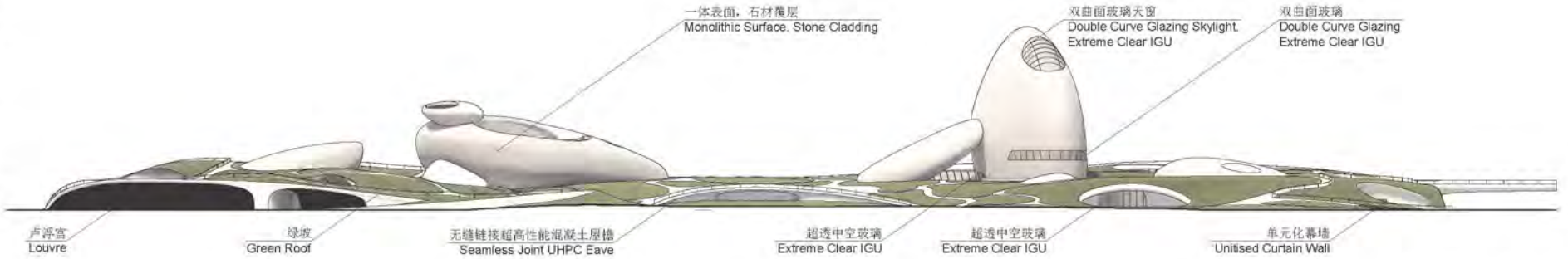
Software Used

- Rhinoceros
- Autodesk AutoCAD
- Enscape
- Adobe Photoshop

+52.000 (T.O Building)
+49.000 (5F)

+25.700 (4F)

+13.000 (3F)
+8.000 (2F)
±0.000 (1F/GF)



East Elevation
东侧立面图

+52.000 (T.O Building)
+49.000 (5F)

+25.700 (4F)

+13.000 (3F)
+8.000 (2F)
±0.000 (1F/GF)

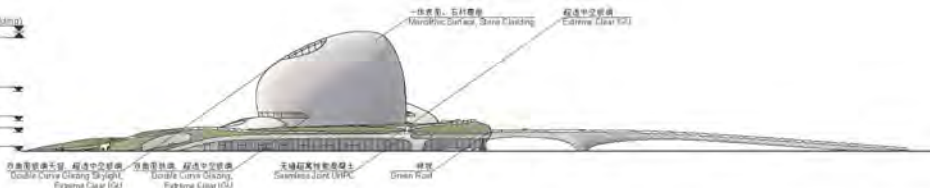


West Elevation

+52.000 (T.O Building)
+49.000 (5F)

+25.700 (4F)

+13.000 (3F)
+8.000 (2F)
±0.000 (1F/GF)

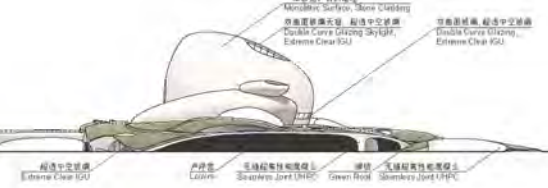


North Elevation

+52.000 (T.O Building)
+49.000 (5F)

+25.700 (4F)

+13.000 (3F)
+8.000 (2F)
±0.000 (1F/GF)



South Elevation

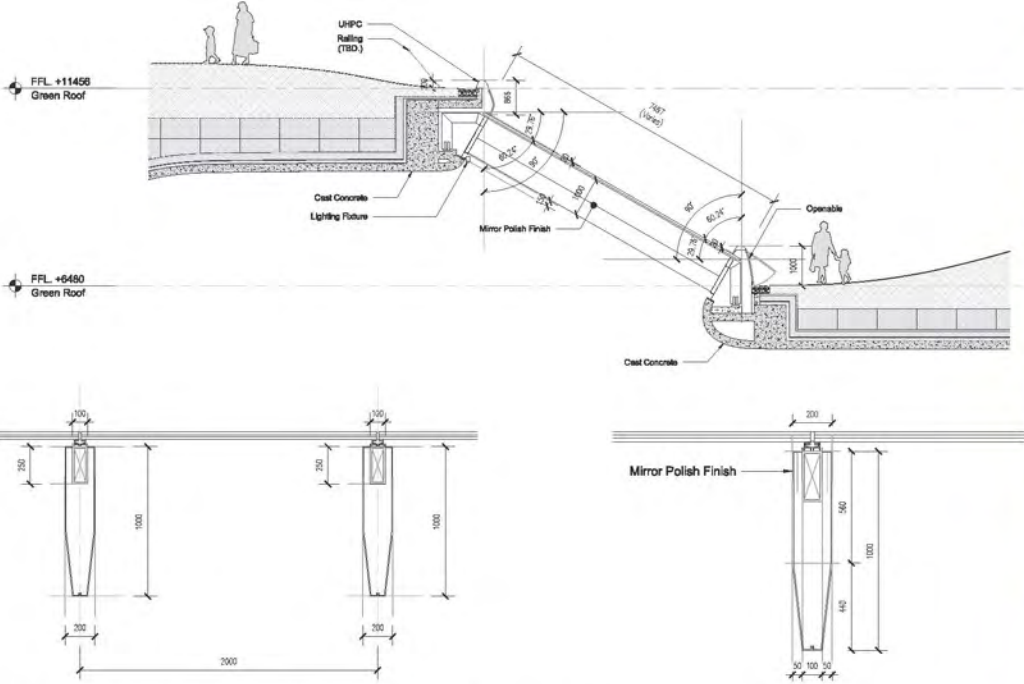
North Lobby Skylight

Task and Design Principle

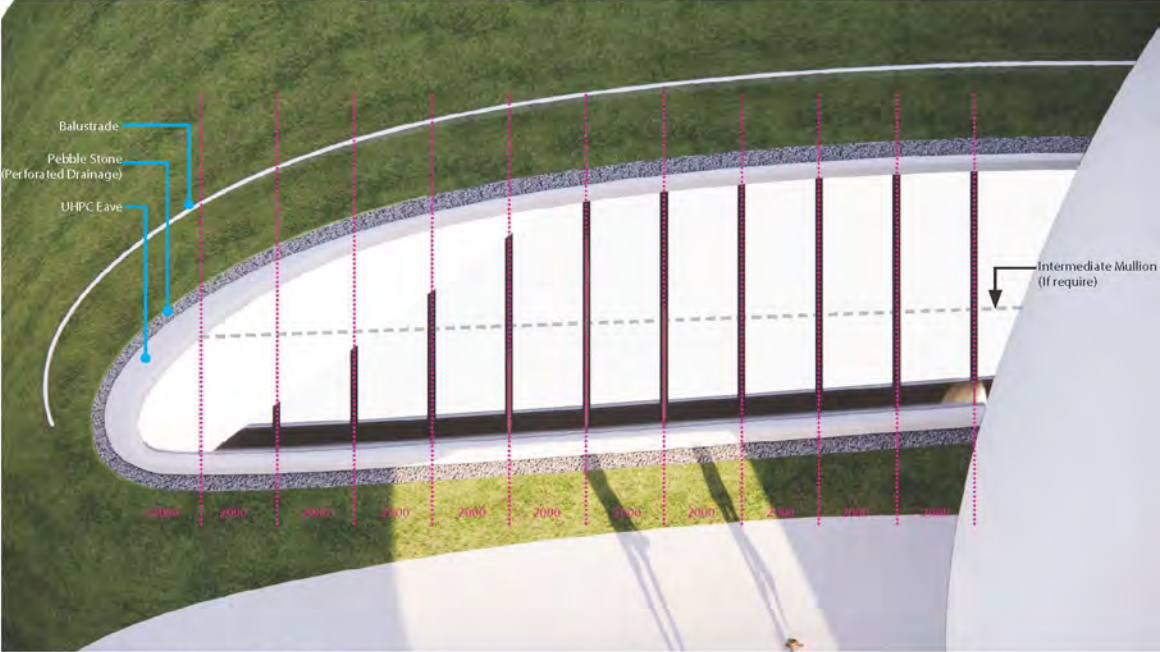
To develop the eave geometry together with overseeing skylight glazing, structure, joint and MEP detail altogether. The skylight is located at the museum lobby, the intention is aim to make the mullions less visible, and economical at the same time.

Software Used

- Rhinoceros
- Autodesk AutoCAD
- Enscape
- Adobe Photoshop



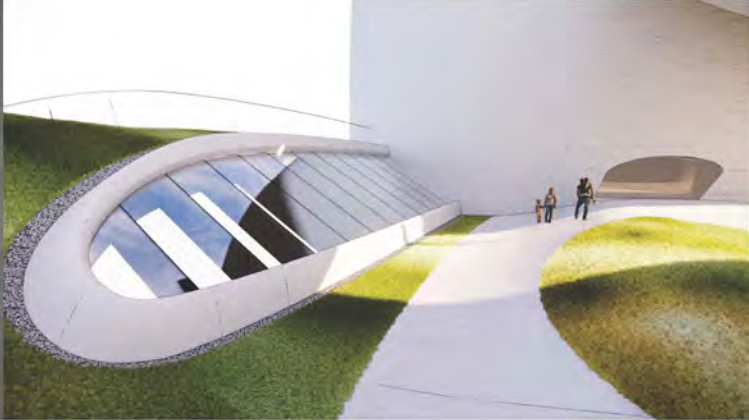
North Museum Lobby Skylight Section and Mullion Detail



Top View / Panelization



View from North Museum Lobby



View from Green Roof Pedestrian



View from Tall Stone

Wall Section/ Eave Development

Task and Design Principle

Responsible to categorize and develop each typical eave and glazing for the project. Additional task is also include making 3D modelling and document the mockup pieces.

Software Used

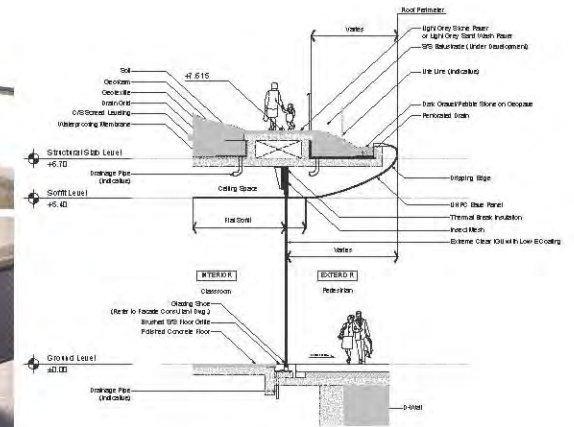
- Rhinoceros
- Autodesk AutoCAD
- Enscape
- Adobe Photoshop



Type 1 ■

Condition

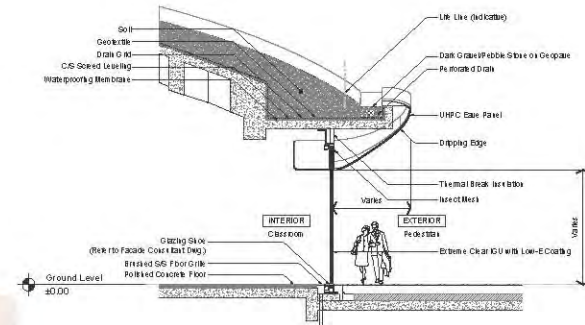
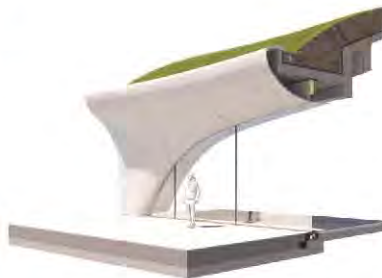
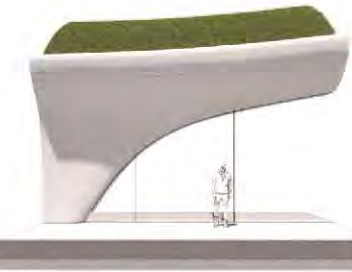
- Straight vertical glazing
- Flat UHPC soffit continue beyond glazing



Type 2 ■

Condition

- Straight vertical glazing
- UHPC soffit height varies and continue beyond glazing



Wall Section/ Eave Development

Task and Design Principle

Responsible to categorize and develop each typical eave and glazing for the project. Additional task is also include making 3D modelling and document the mockup pieces.

Software Used

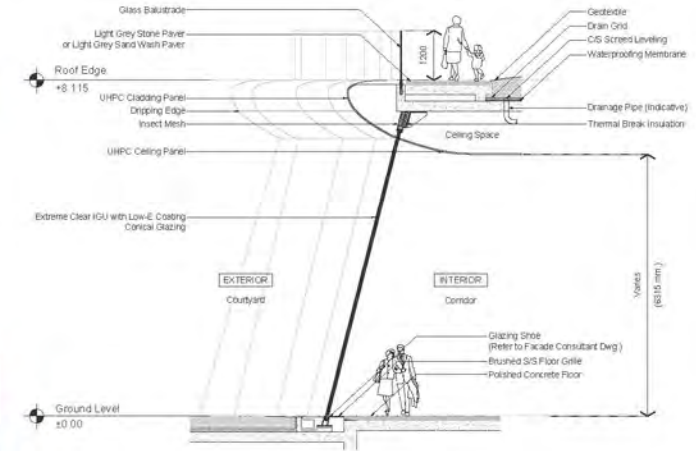
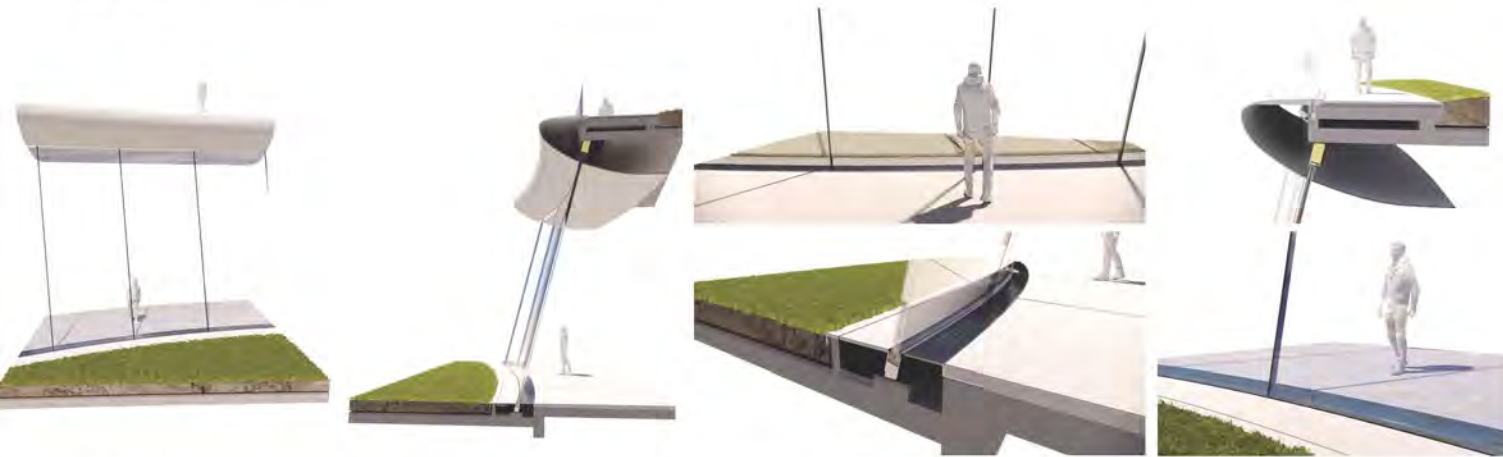
- Rhinoceros
- Autodesk AutoCAD
- Enscape
- Adobe Photoshop



Type 3

Condition

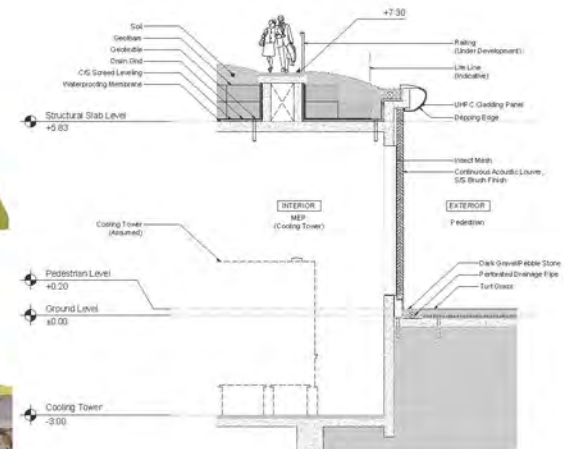
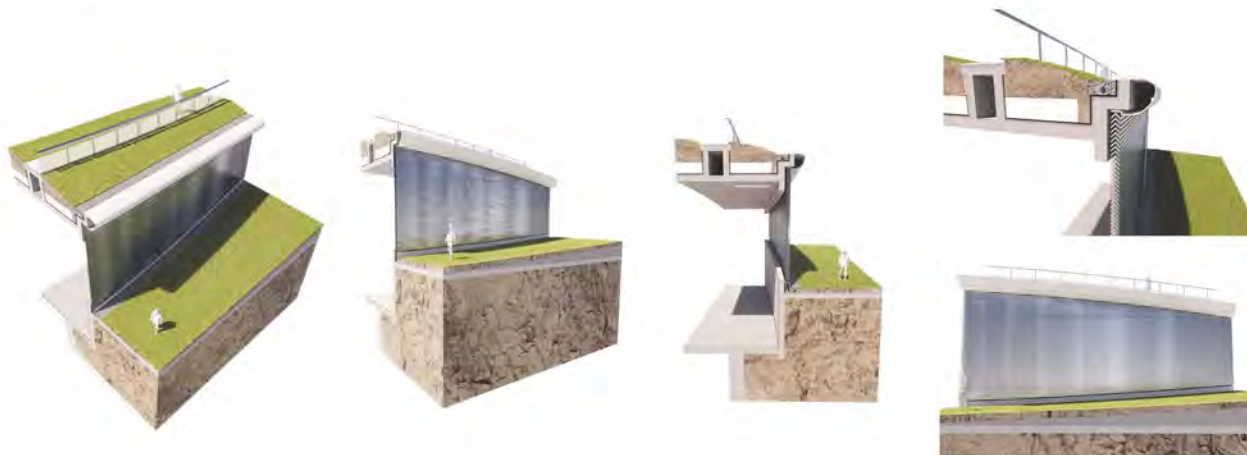
- Conice glazing (Smaller radius at bottom of glazing, larger radius at top of glazing)
- UHPC soffit height varies and continue beyond conice glazing



Type 4

Condition

- UHPC soffit height varies
- Continuous Louvre



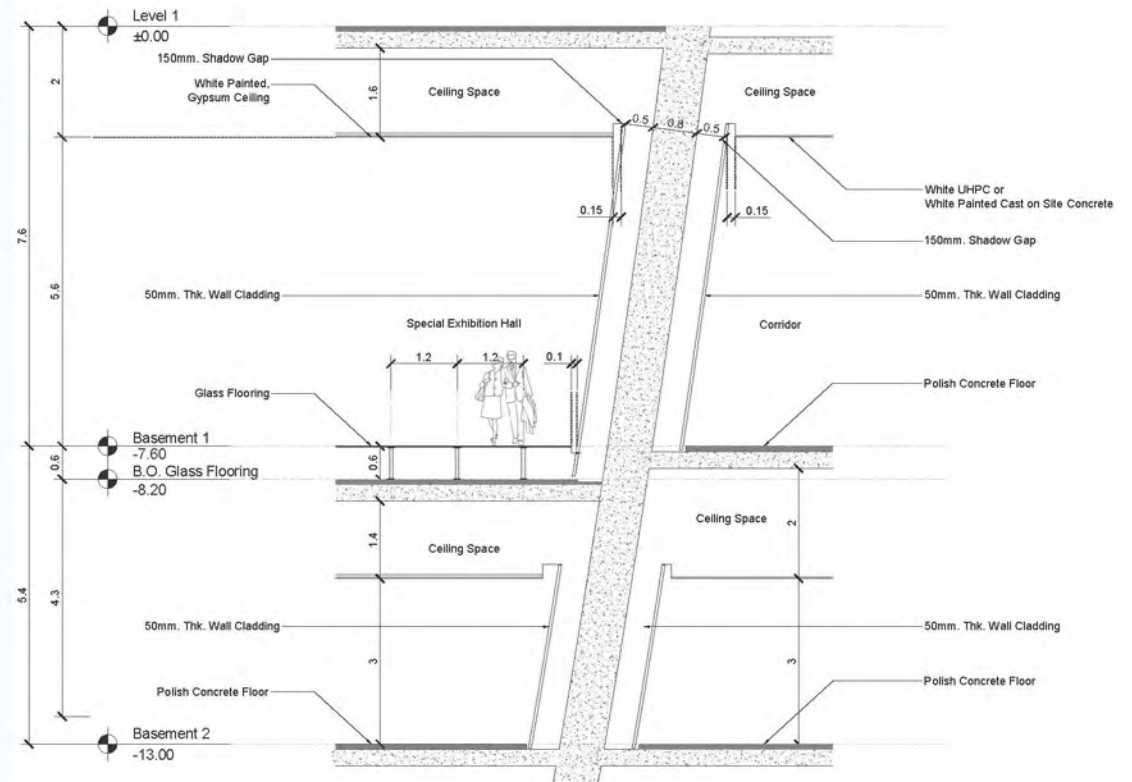
Wall Section/ Special Exhibition Hall

Task and Design Principle

To help interior design team on designing, and studying the glazing pave unit at one of the museum highlight area

Software Used

- Rhinoceros
- Autodesk AutoCAD
- Enscape
- Adobe Photoshop



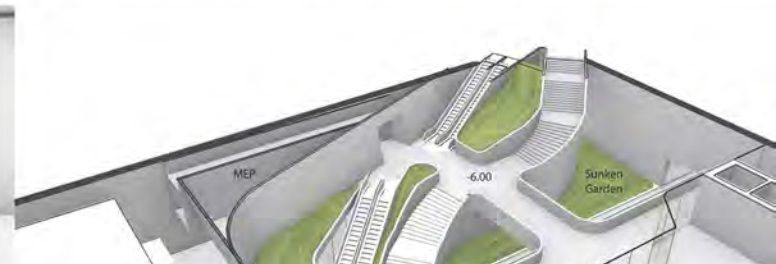
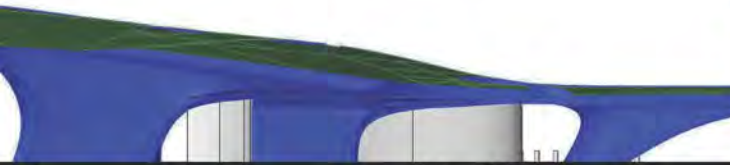
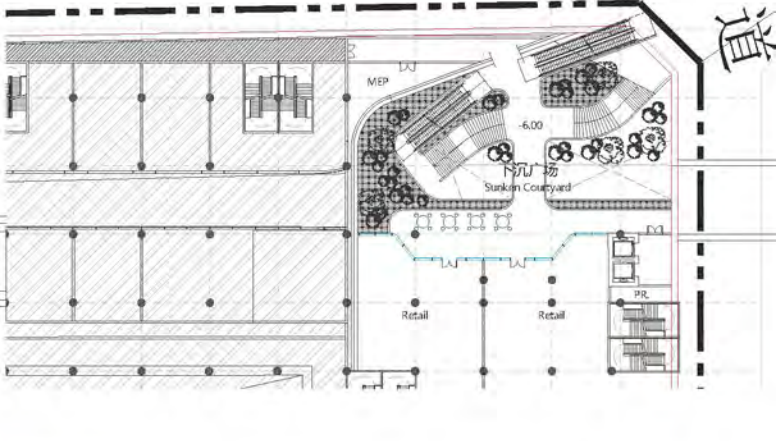
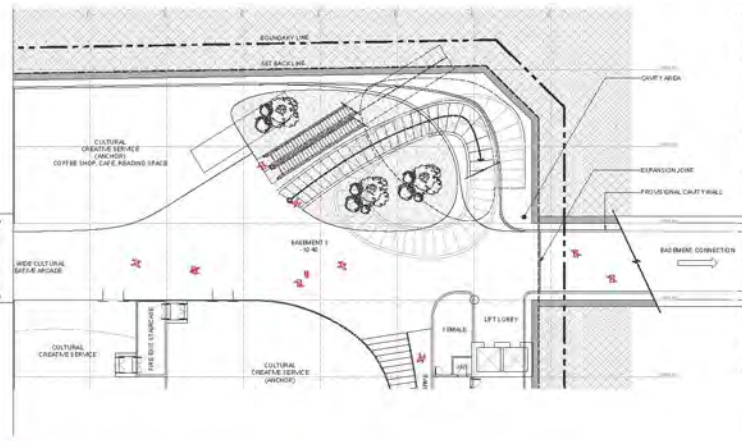
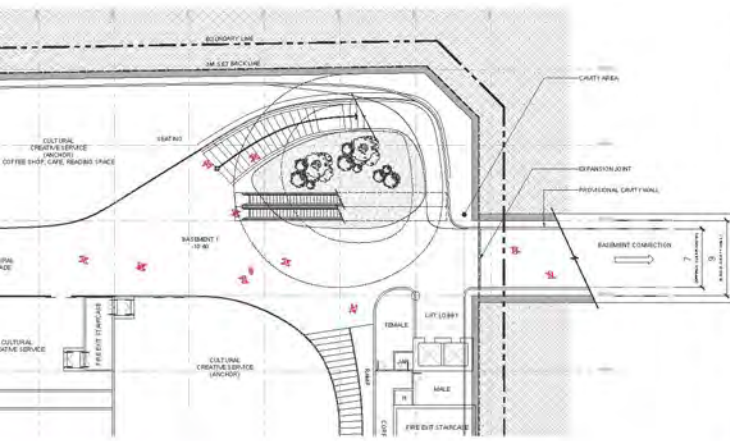
North-West Sunken Courtyard Design Option Study

Task and Design Principle

Responsible to study the sunken courtyard and the stair connected between floor for the North-West Entrance. There were several initial design options.

Software Used

- Rhinoceros
- Autodesk AutoCAD
- Adobe Photoshop



Apple Store at Central World

Bangkok, Thailand

Foster + Partners
Bangkok

Role and Responsibility

My main responsible is to be on top of all stone work for the project as well as conduct design study where it is require by the site situation. I am involved from Design Development stage till the project hand over.

Note

- Hero Shot Photograph of the store is taken by F+P



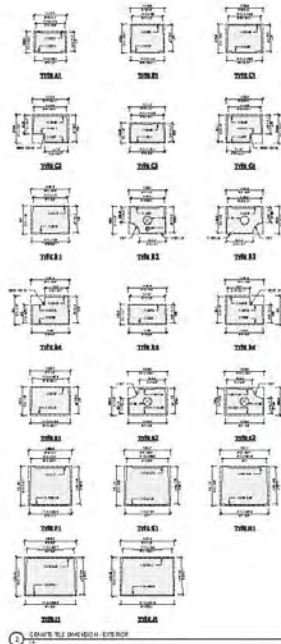
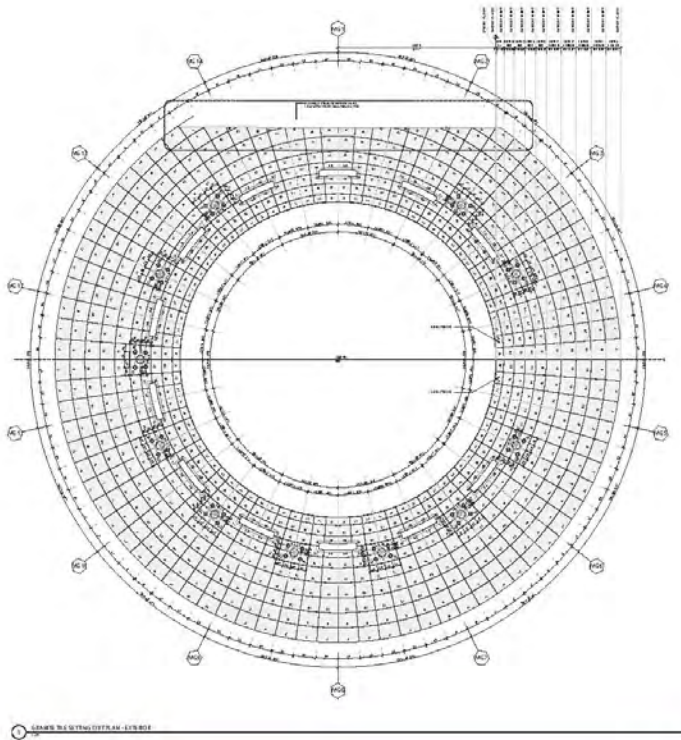
Stone Wall and Pavement

Task and Design Principle

Coordinate with local and international vendor on all stone wall and pavement setting-out. Additional task also includes stone inspection with Apple and Landlord to ensure the cut and quality are achieve.

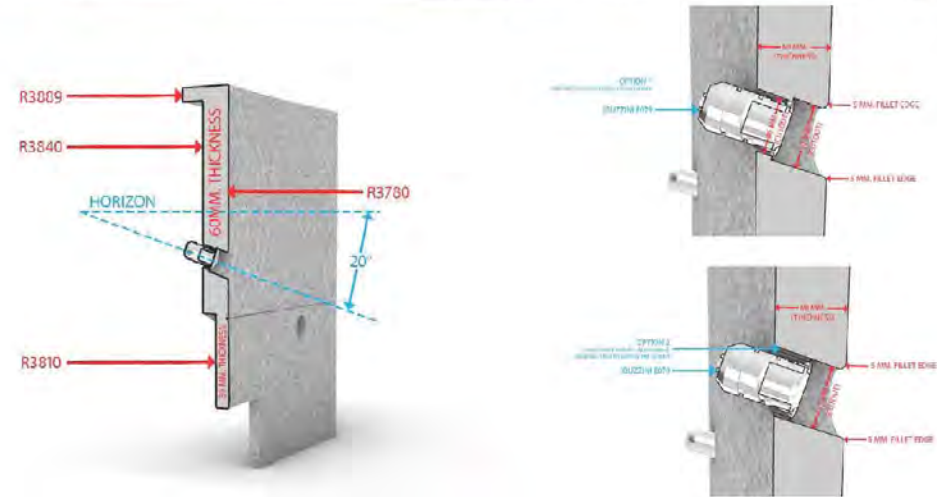
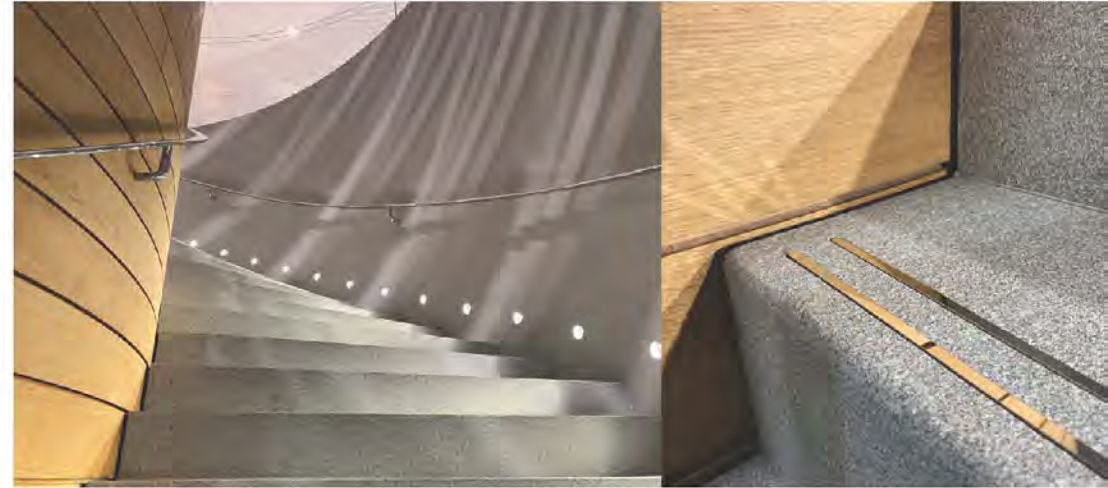
Software Used

- Rhinoceros
- Autodesk AutoCAD
- Autodesk Revit
- Adobe Photoshop



① DRAWN BY: SUTONG TOFFER

- REMARKS:**
1. THE SETTING OUT OF STONE TO BE USED FOR THE STONE WALL SHOULD BE DEMONSTRATED BY THE CONTRACTOR TO THE ARCHITECT.
 2. THE SETTING OUT OF STONE WALL TO BE DEMONSTRATED TO THE CONTRACTOR BY THE ARCHITECT.



Phayathai Complex

Bangkok, Thailand

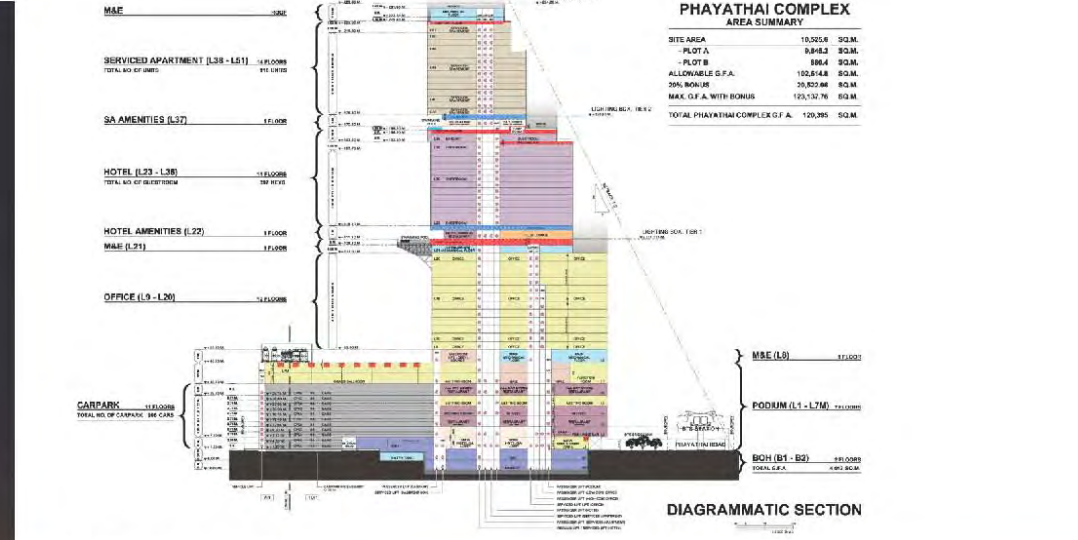
P&T Architects and Engineers
Bangkok

Role and Responsibility

As one of a key member to respond on all task of this mixed-use project. I was involved from early conceptual design phase till early construction stage. The building has 120,395 sq.m. in total. The project is currently under construction.

Note

- Exterior Rendering is produced by the graphic design team



Skywalk Design/ Documentation/ Interior Design

Software Used

- Rhinoceros
- Autodesk AutoCAD
- SketchUp
- Adobe Photoshop
- Vray for SketchUp

