

Al-Ain - Vereinigte Arabische Emirate

Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google earth

24°25'29.80" N 54°48'49.42" O Höhe 51 m sichthöhe 410.05 km

Reiseführer



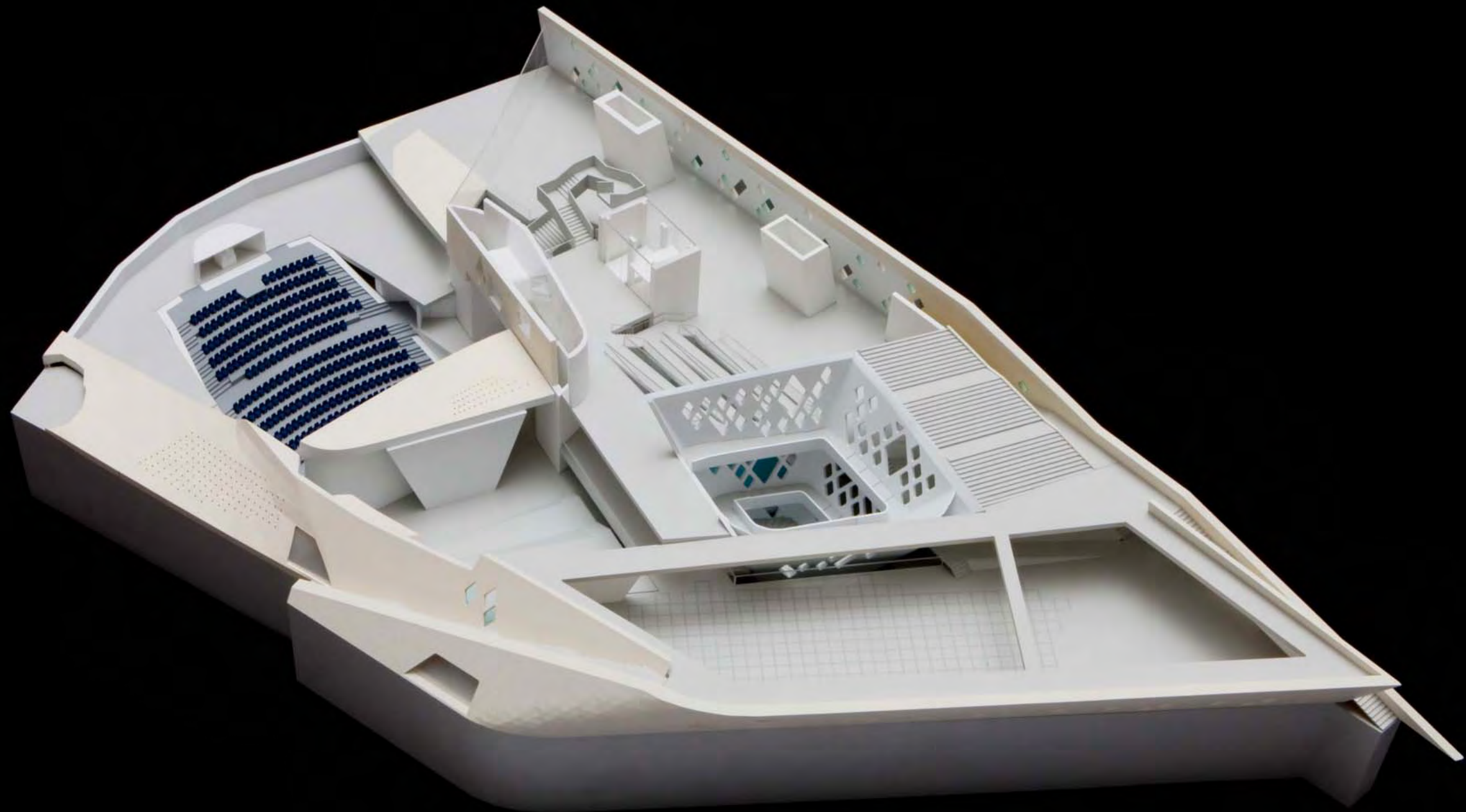
Image © 2014 Digita Globe

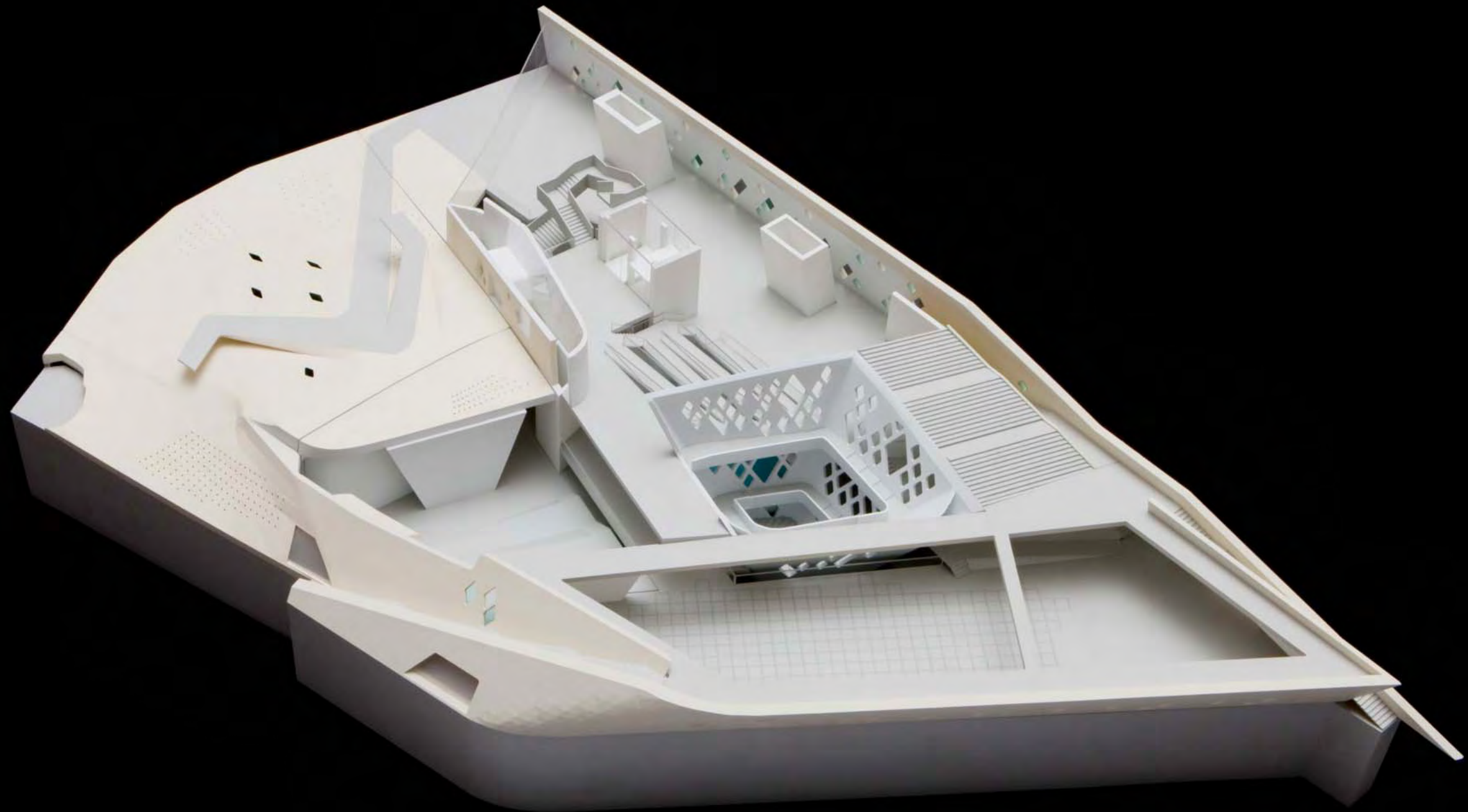
Google earth





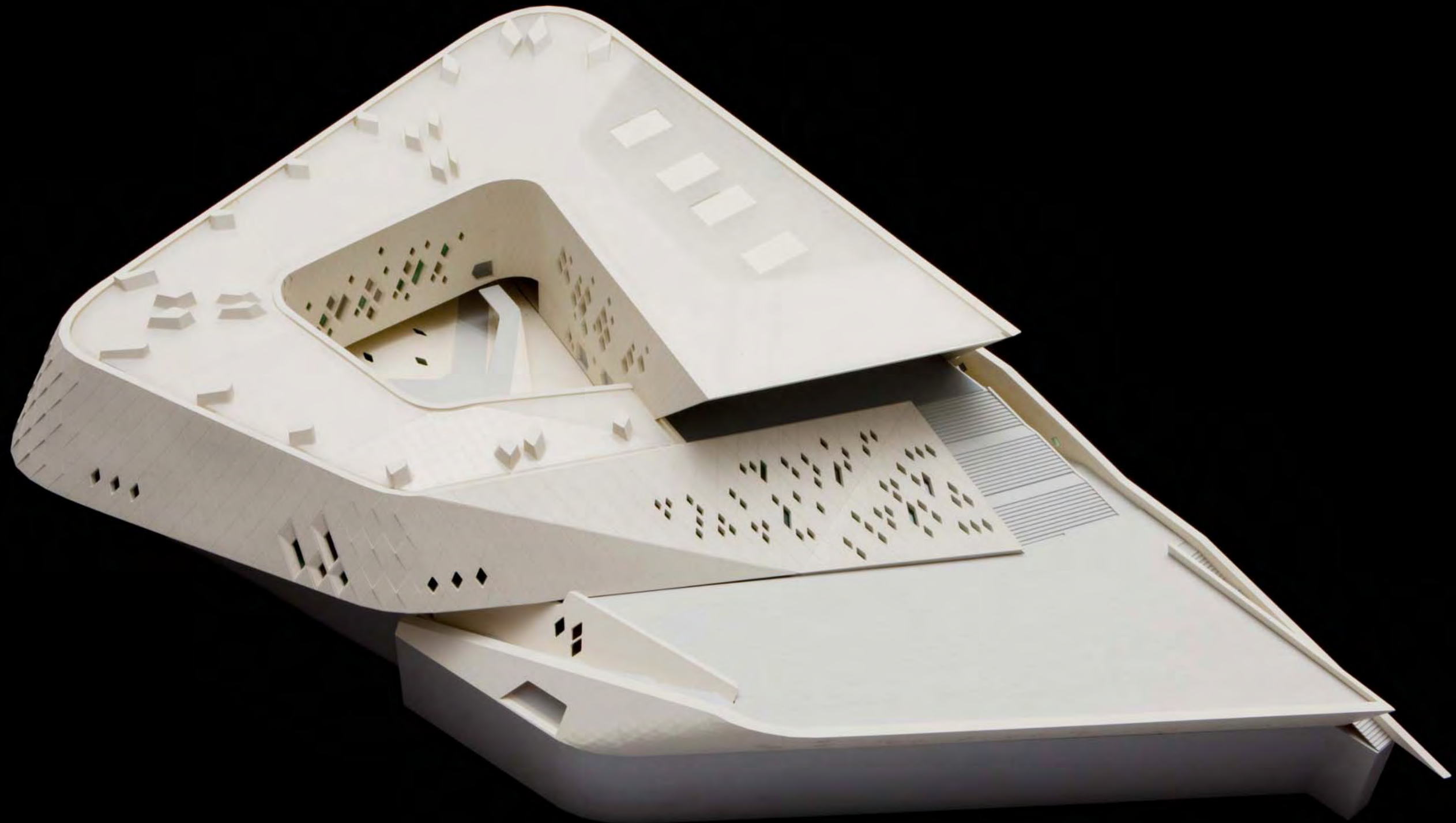
















Level + 7.50 (281.50 ASL.)

NET FLOOR AREA
955.73m²
GROSS FLOOR AREA
1061.50 m²

FLOOR - BUILD UP	Description	Area	Volume
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE S.A.S. BUILDING CODE AND ALL APPLICABLE REGULATIONS AND STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND SERVICES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES AND SERVICES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING LANDSCAPE AND PLANTING.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES.

STAIR SCHEDULE

STAIR	NO.	AREA	NO. OF STAIRS	NO. OF STAIRS	NO. OF STAIRS
1	1	...	...	...	...
2	2	...	...	...	...
3	3	...	...	...	...
4	4	...	...	...	...
5	5	...	...	...	...
6	6	...	...	...	...
7	7	...	...	...	...
8	8	...	...	...	...
9	9	...	...	...	...
10	10	...	...	...	...
11	11	...	...	...	...
12	12	...	...	...	...
13	13	...	...	...	...
14	14	...	...	...	...
15	15	...	...	...	...
16	16	...	...	...	...
17	17	...	...	...	...
18	18	...	...	...	...

WALL - BUILD UP

WALL	NO.	AREA	NO. OF WALLS	NO. OF WALLS	NO. OF WALLS
1	1	...	...	...	...
2	2	...	...	...	...
3	3	...	...	...	...
4	4	...	...	...	...
5	5	...	...	...	...
6	6	...	...	...	...
7	7	...	...	...	...
8	8	...	...	...	...
9	9	...	...	...	...
10	10	...	...	...	...
11	11	...	...	...	...
12	12	...	...	...	...
13	13	...	...	...	...
14	14	...	...	...	...
15	15	...	...	...	...
16	16	...	...	...	...
17	17	...	...	...	...
18	18	...	...	...	...

LEGEND

- indicated concrete wall
- concrete masonry wall
- gypsum board system
- insulation
- Acoustic ceiling
- technical floor
- MSP structural concrete
- public area
- corridor
- back of screen
- non-structural
- structural/office wall
- build up reference
- W.P. (working construction)
- W.P. (level construction)
- W.P. (level construction)

REVISIONS

NO.	DESCRIPTION	DATE
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

PROJECT INFORMATION

CLIENT: **AI Ain Wildlife Park & Resort**
 P.O. Box 48883, Abu Dhabi, UAE
 Tel: +971 2 882 9117
 Fax: +971 2 882 1220

ARCHITECT: **Chalabarchitects & partners LLC**
 Registered Architect Firm
 P.O. Box 48883, Abu Dhabi, UAE
 Tel: +971 2 882 9117
 Fax: +971 2 882 1220

CONSULTANT OF RECORD: **SHANKLAND**

PROGRAM MANAGERS: **CH2MHILL International Ltd.**
 P.O. Box 48883, Abu Dhabi, UAE
 Tel: +971 2 882 9117
 Fax: +971 2 882 1220

PROJECT: **SZDLC Sheikh Zayed Desert Learning Center**

DISCIPLINE: ARCHITECTURE | STATUS: CONSTRUCTION

PULL PLAN: CONSTRUCTION DOCUMENTATION

DRAWING NO: AMP-DC-CAP-001-SEC-ARC-LEVEL-7.50

DRAWING TITLE: Level 7.50

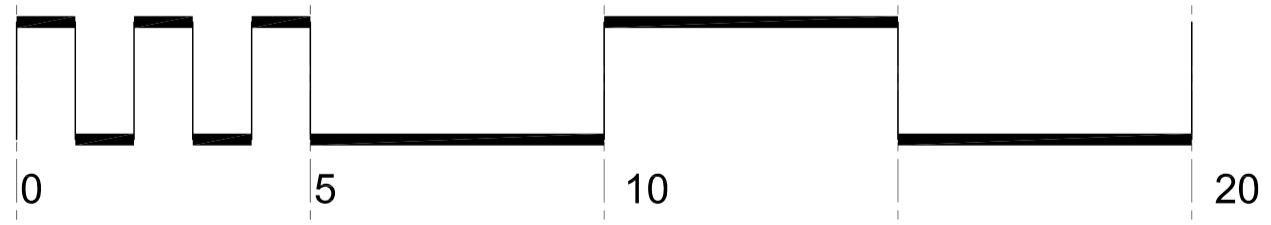
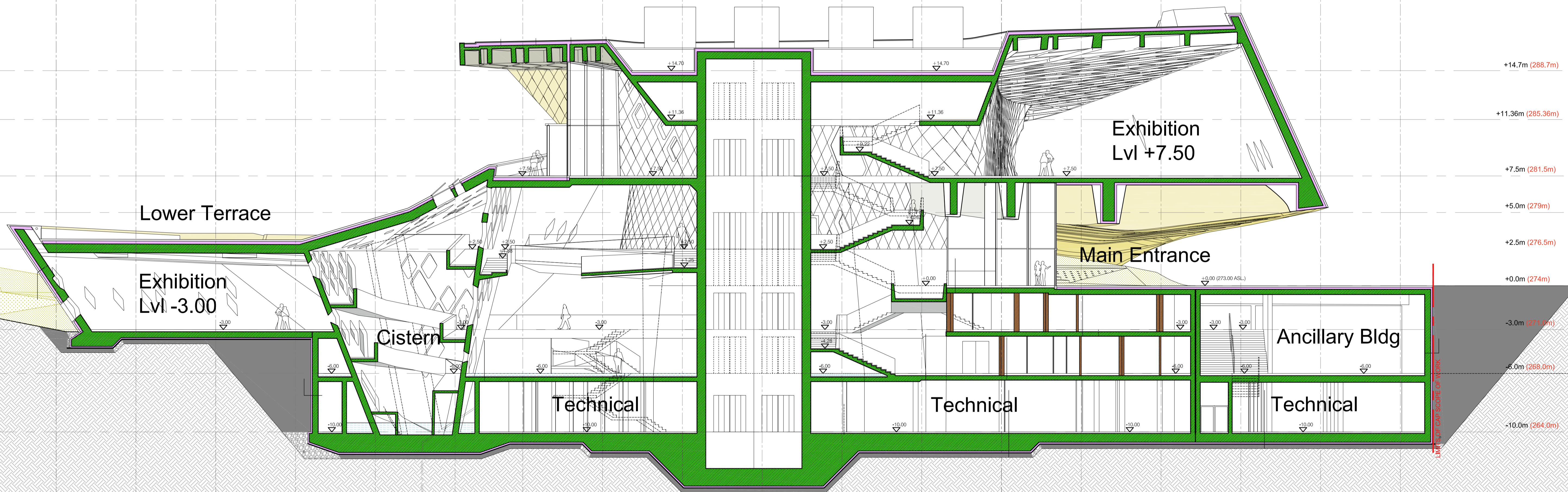
DRAWN BY: H.M. W.P. P.D. | SCALE: 1:50

CHECKED BY: T.S. | SHEET SIZE: 1188 x 874 mm

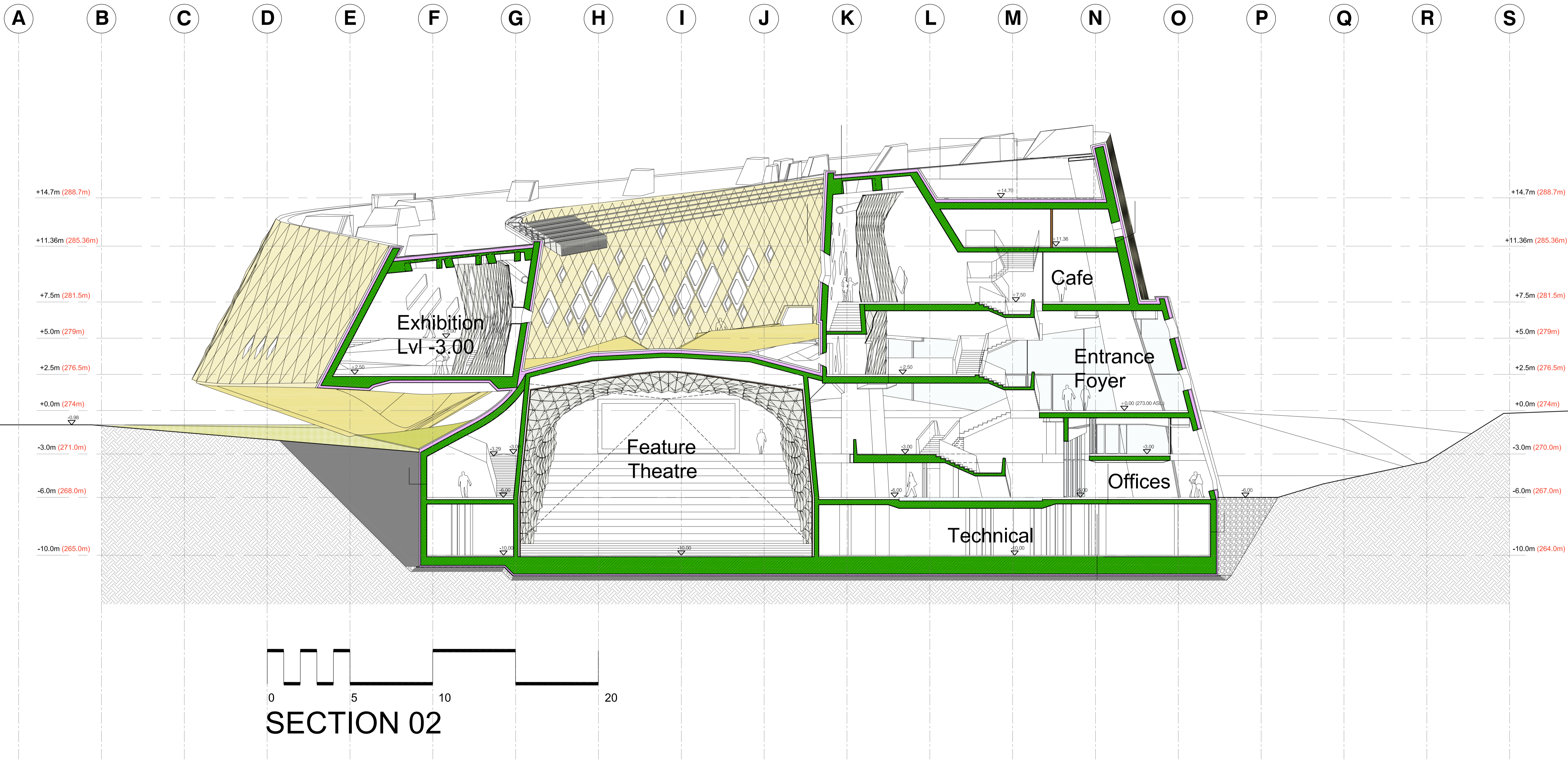
ELEVATION: 4.8.0 - 4.81 ASL. | DATE: 16.10.2020

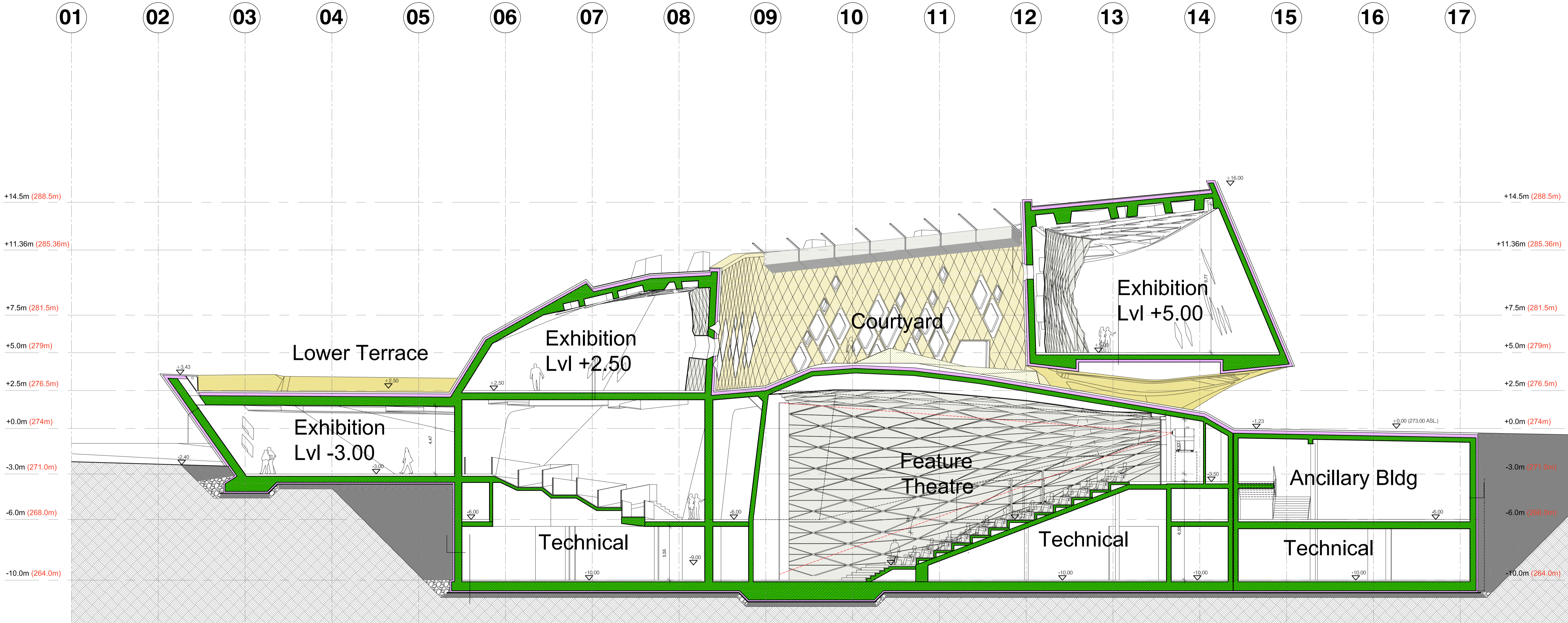
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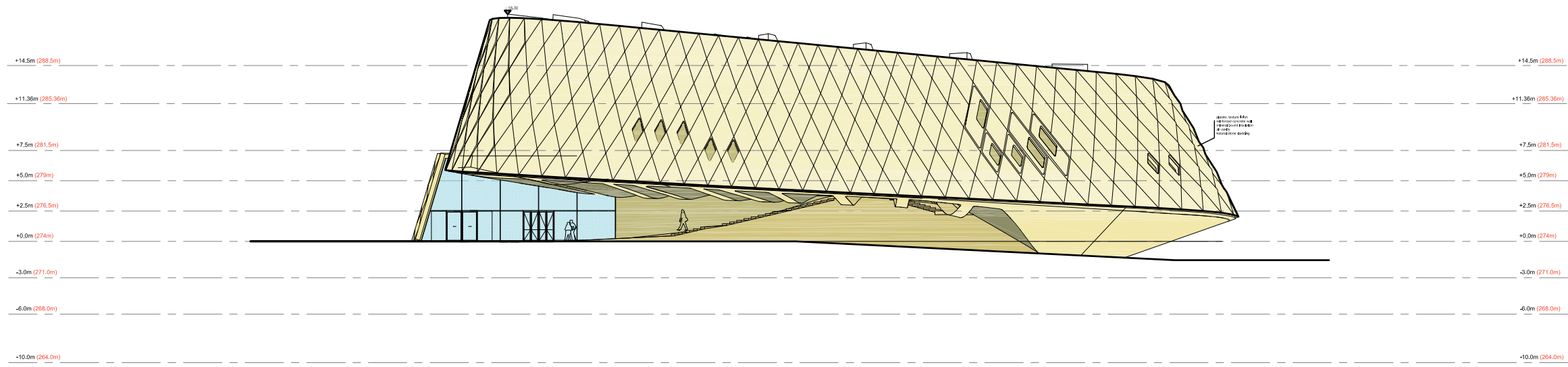


SECTION 01

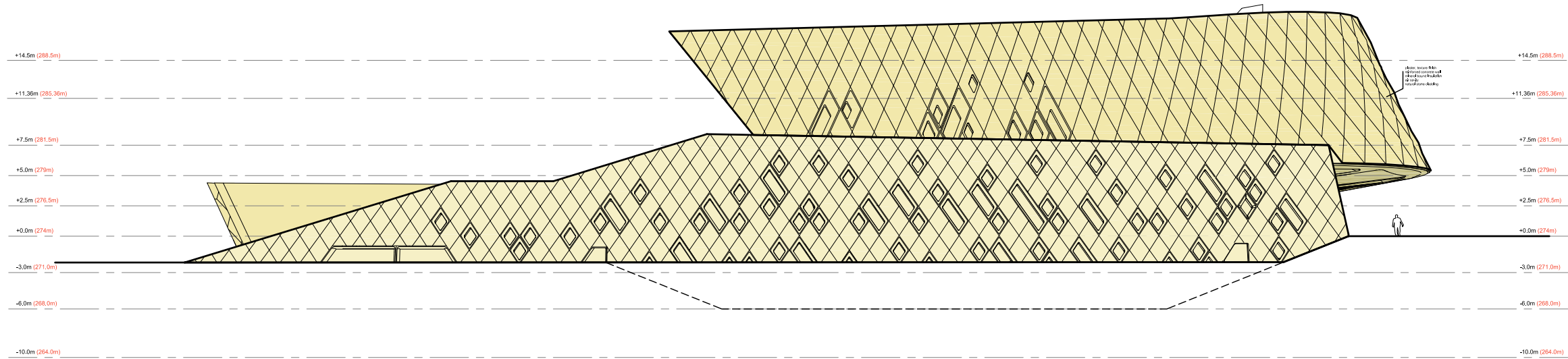




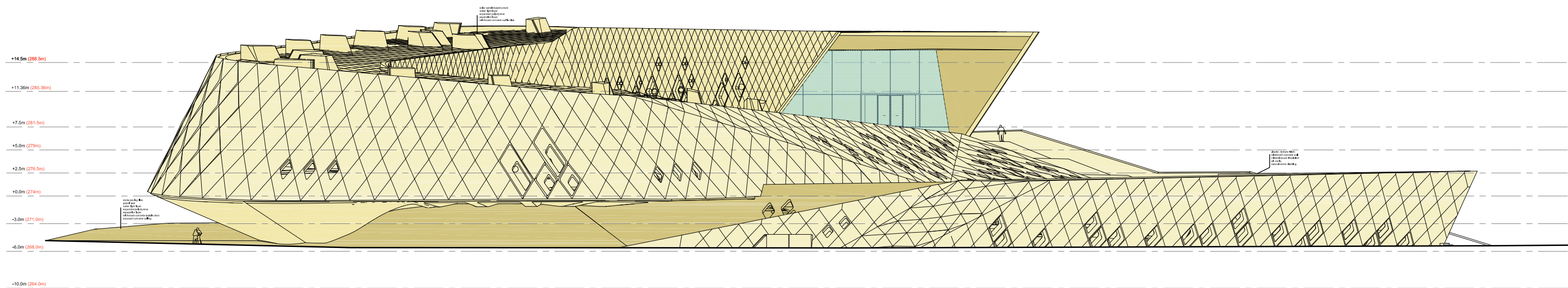
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SECTION 02



01 Elevation NW



02 Elevation NE



03 Elevation SW





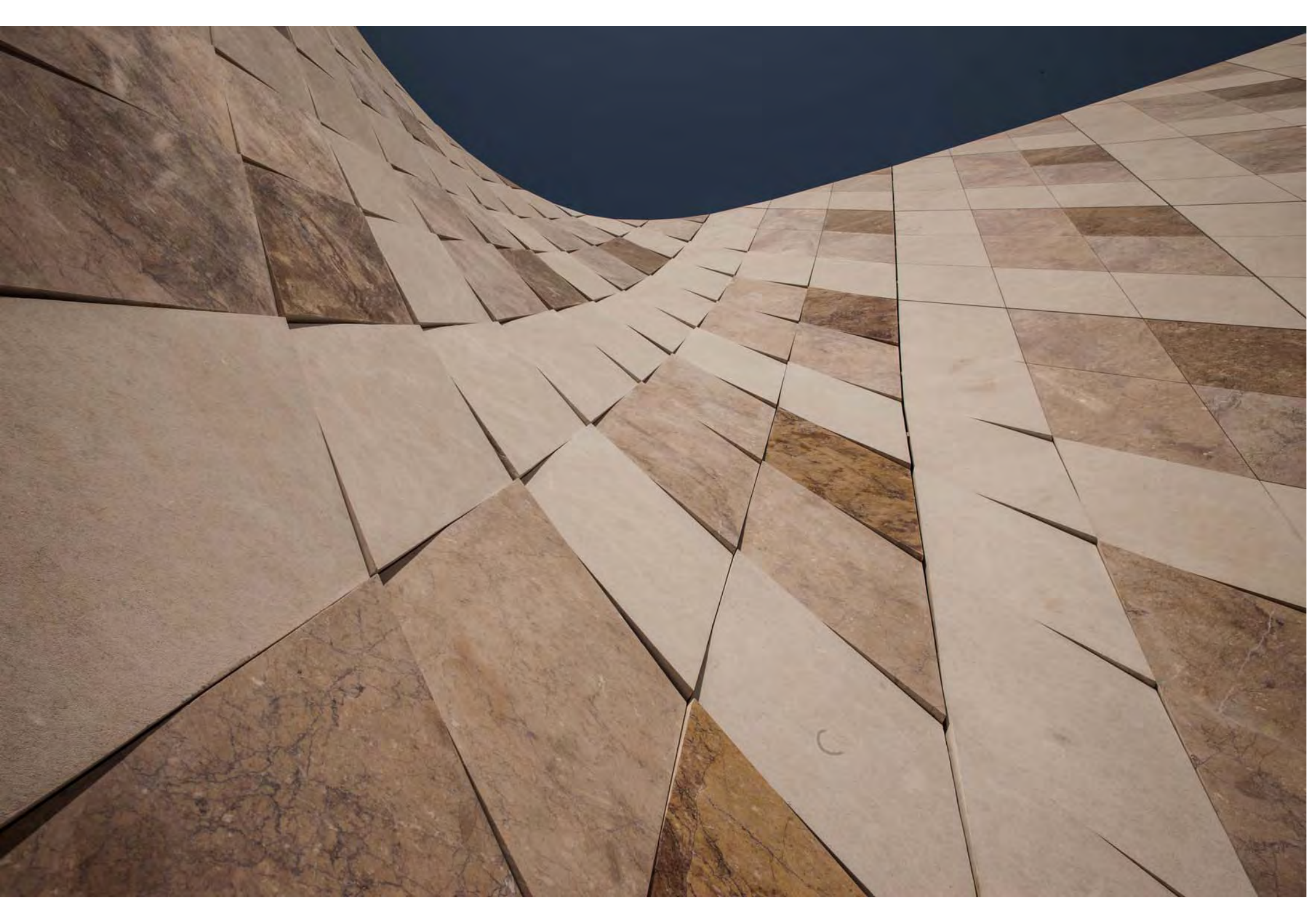






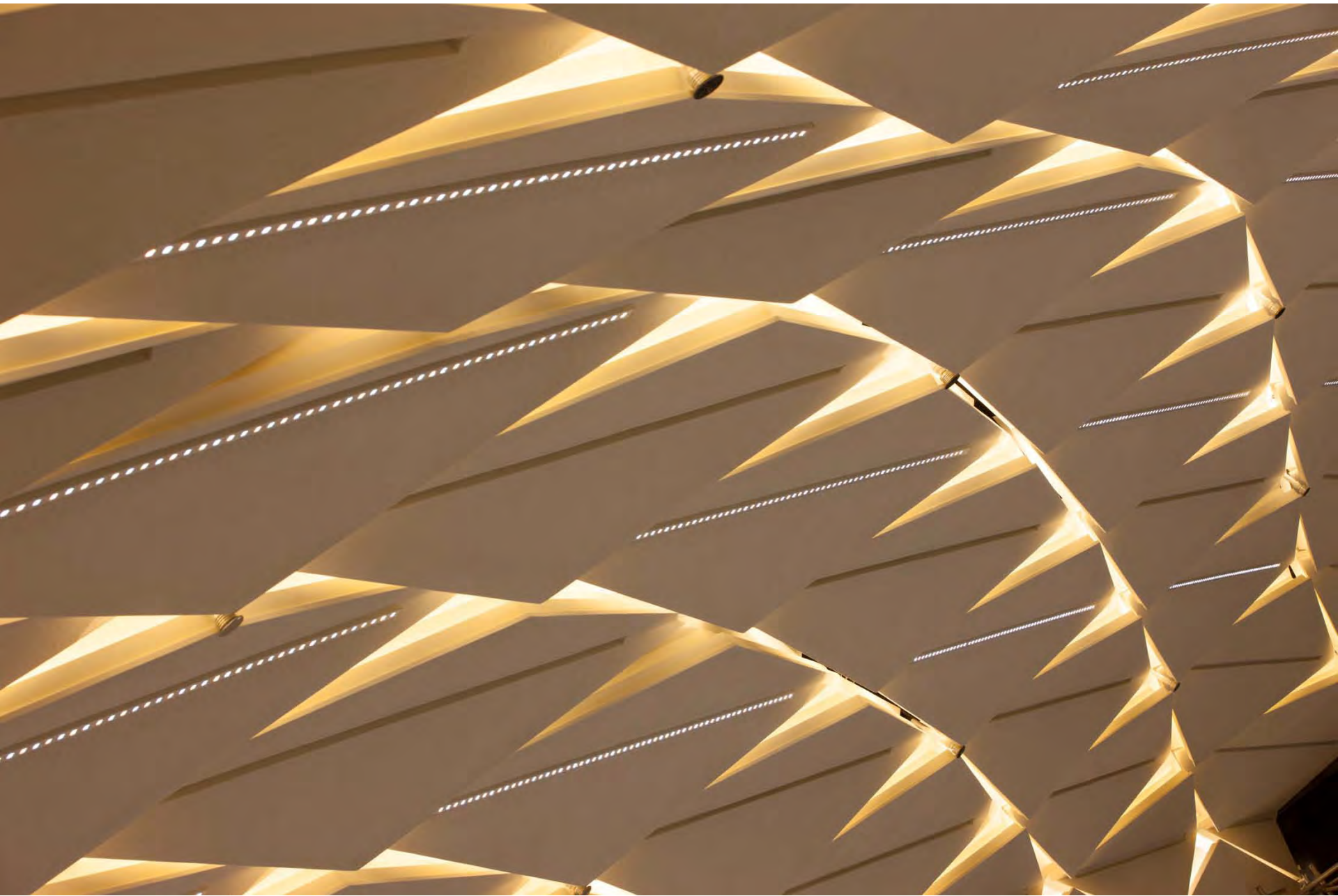


































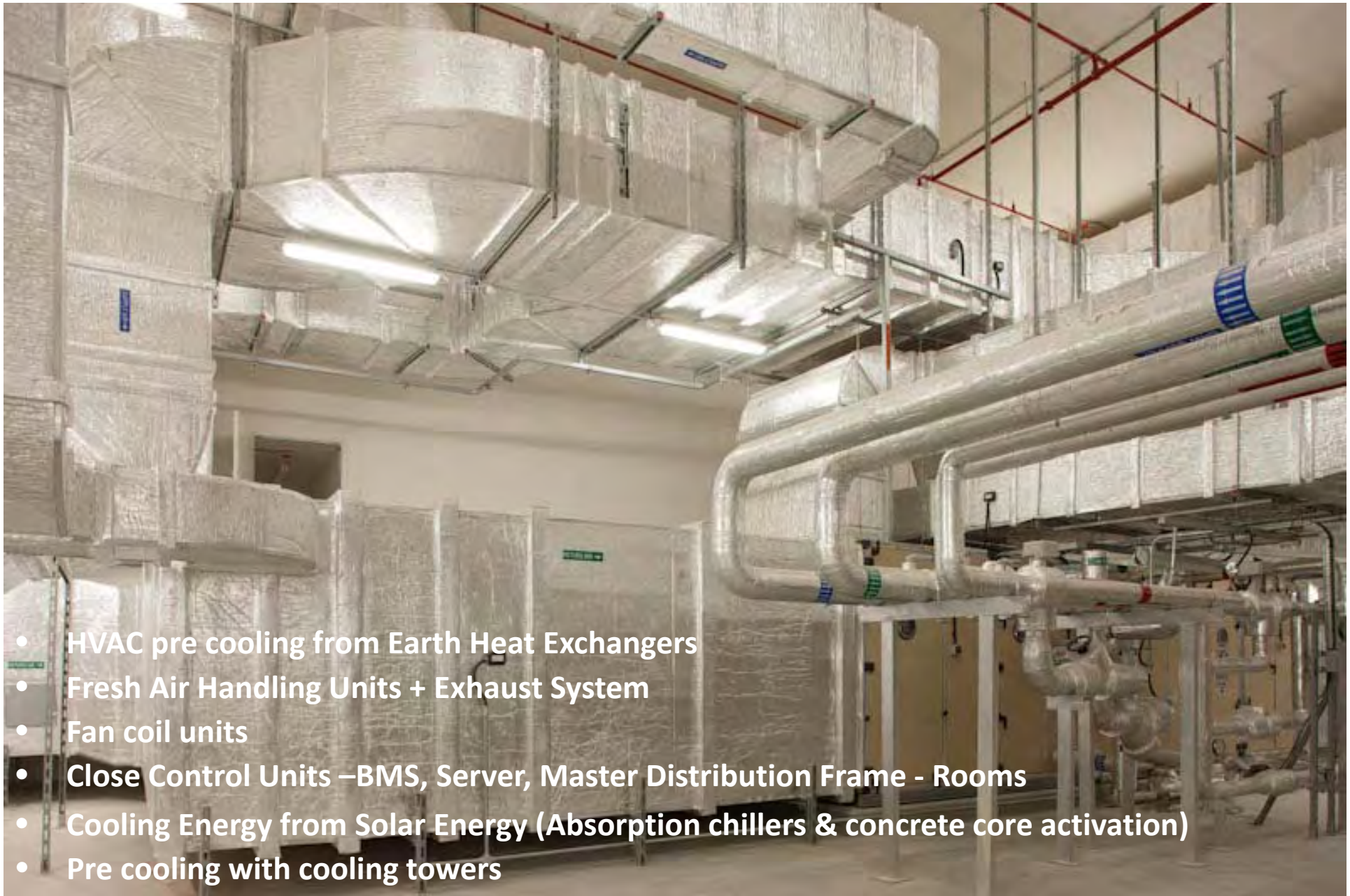




03/10/2010 08:24

Earth Heat Exchanger





- HVAC pre cooling from Earth Heat Exchangers
- Fresh Air Handling Units + Exhaust System
- Fan coil units
- Close Control Units –BMS, Server, Master Distribution Frame - Rooms
- Cooling Energy from Solar Energy (Absorption chillers & concrete core activation)
- Pre cooling with cooling towers

MEP – HVAC & Cooling



Recycled Content-Cobiax System

This system that is not commonly used in the region has benefits:

- It is made of 100% recycled HDPE**
- It reduces the volume of concrete poured within the slabs, therefore reduces thus the deadload of the building and the environmental footprint of the building**



Concrete Core Activation







