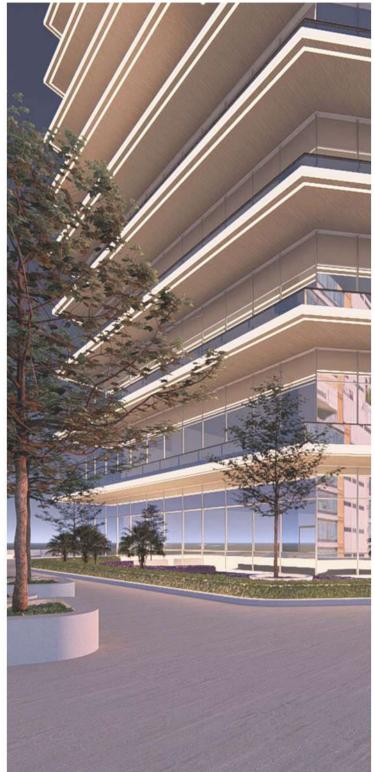


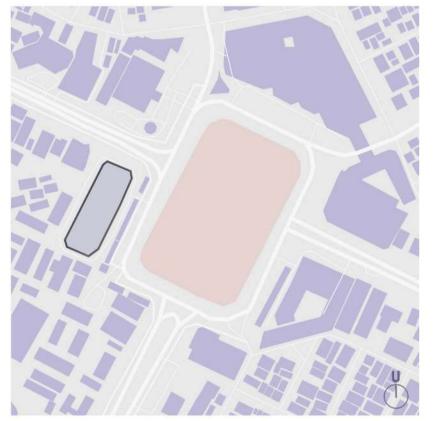
MASSING.

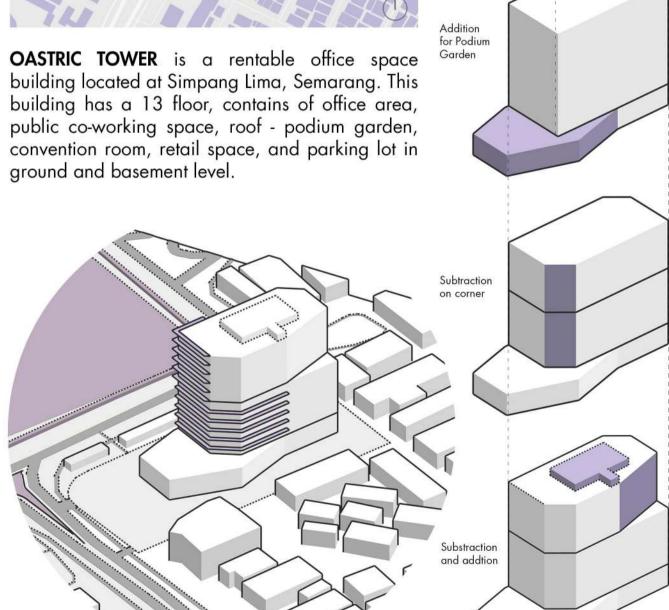
Base form

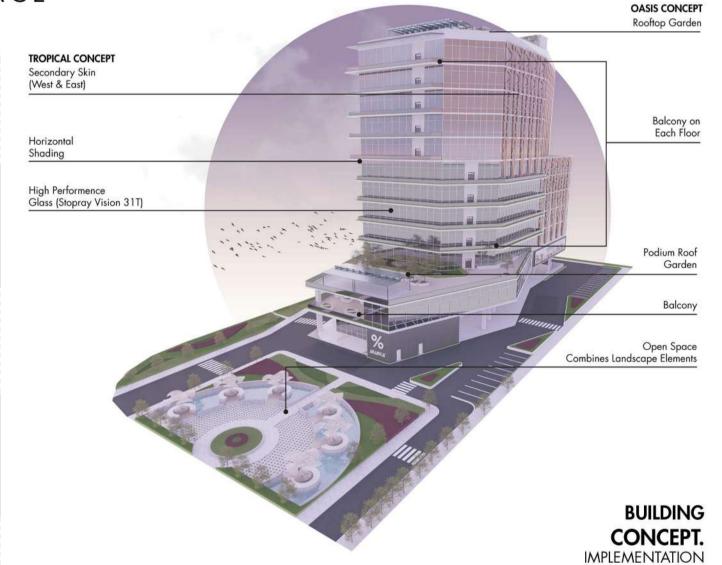
Elevate



RENTABLE COLLABORATIVE AND WORKSPACE











OASTRIC TOWER has a concept Oasis Central Tropic. Oasis concept applied in the landscape area which combining a different landscape elements and provides balcony on each floor. Tropical concept applied in building facade and high performence glass (Stopray Vision 31T 8 mm Glass). Because the site location is in the center of Semarang, the concept becomes an Oasis Central Tropic.



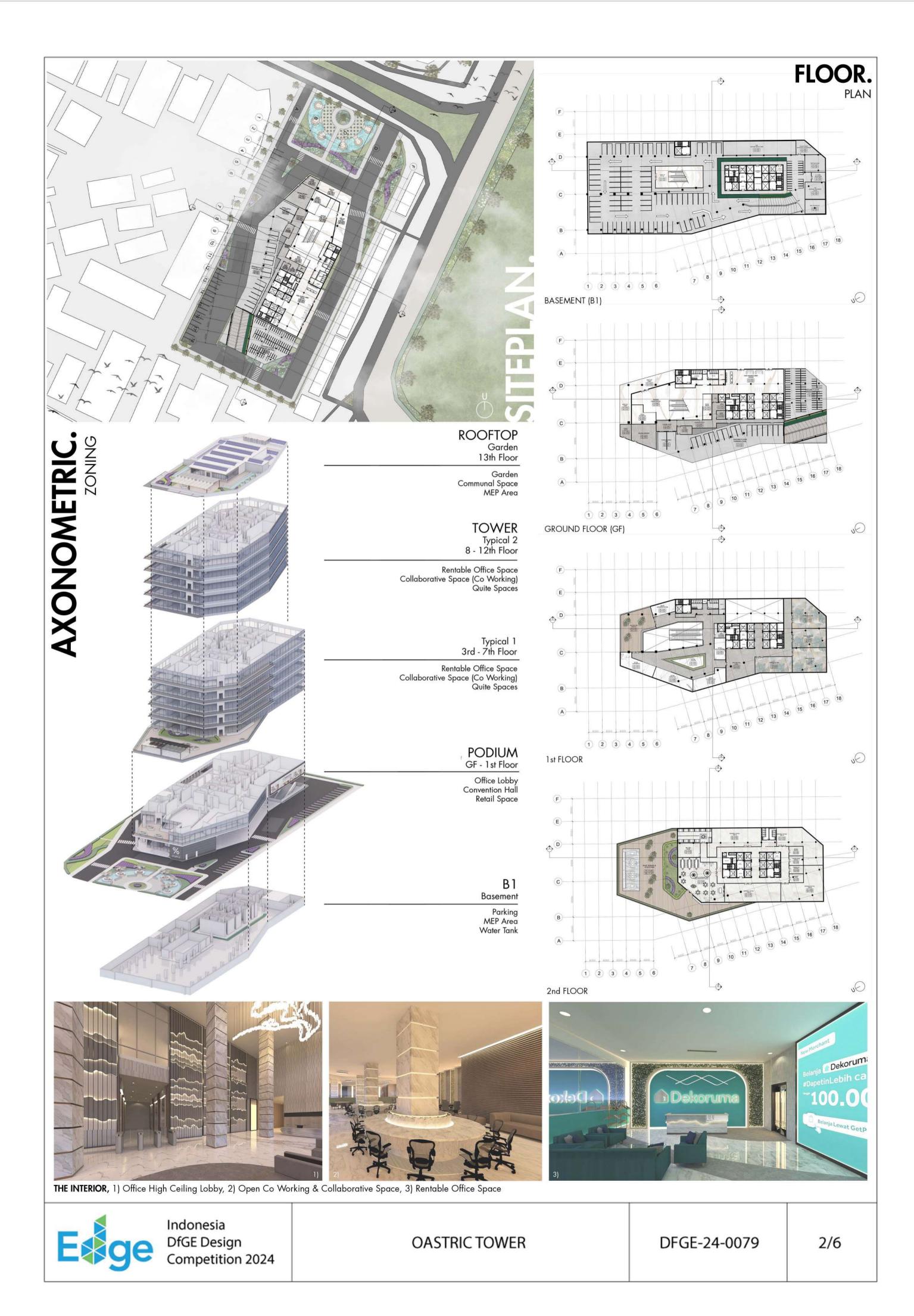
Final massing

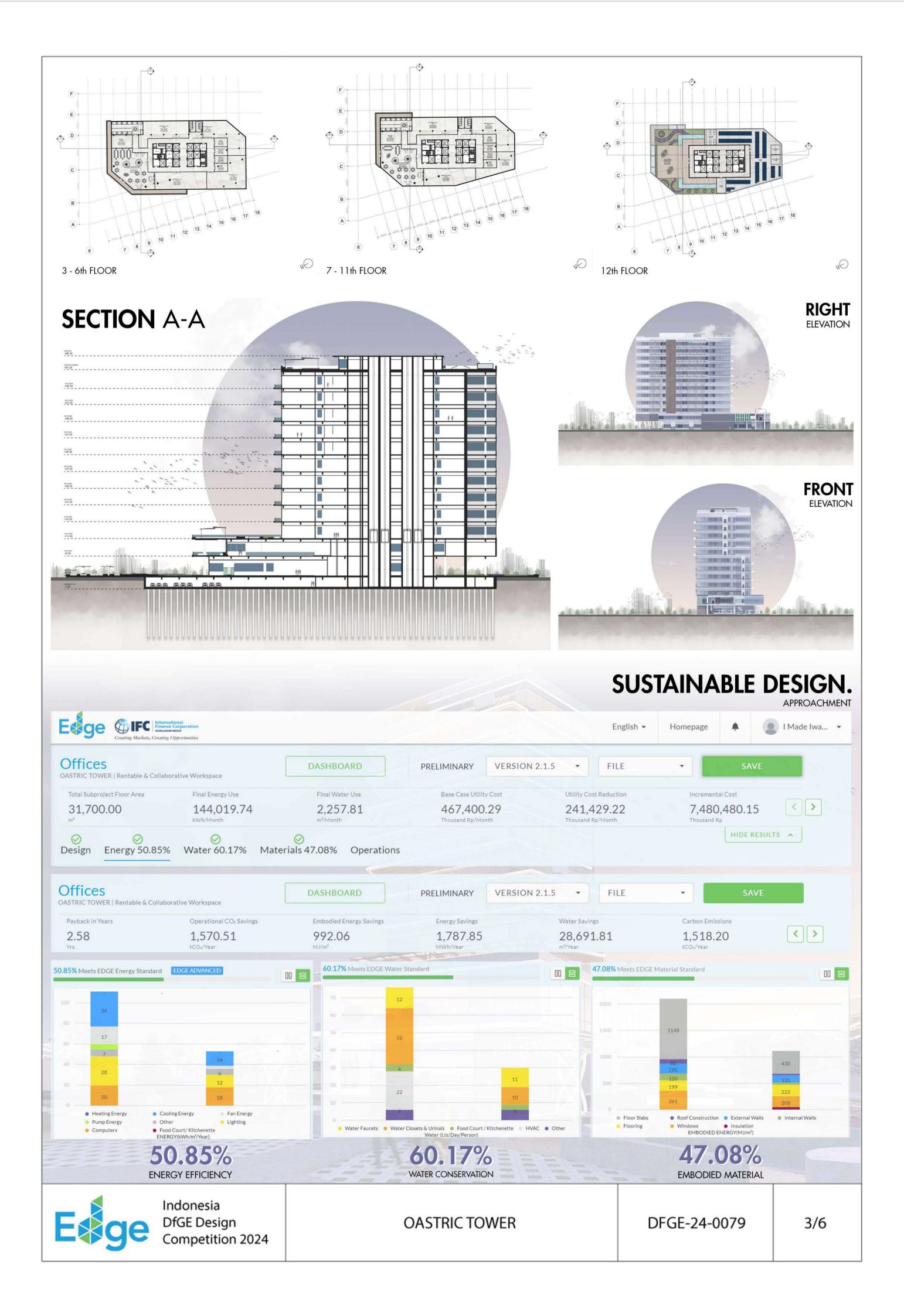
Indonesia DfGE Design Competition 2024

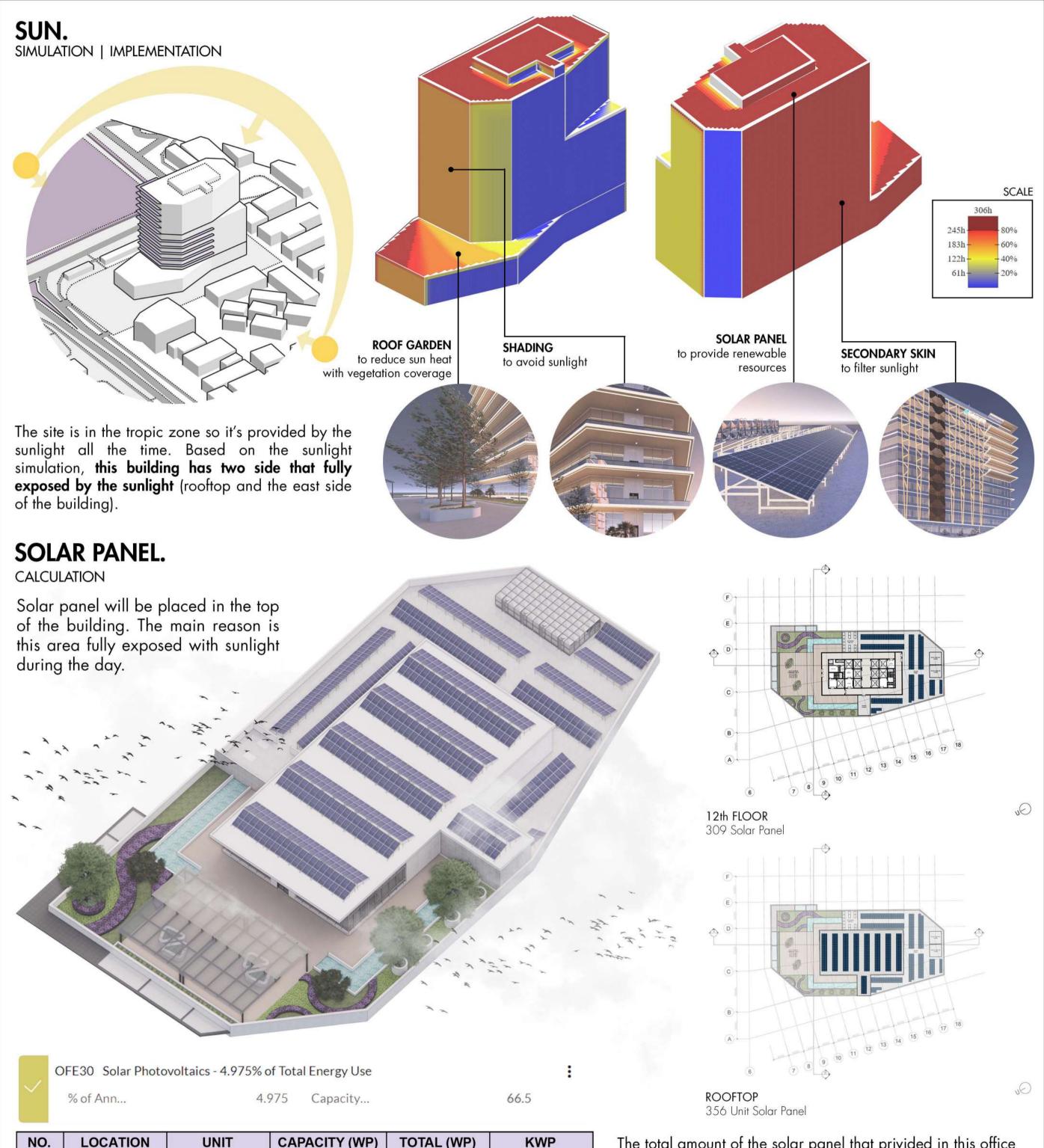
OASTRIC TOWER

DFGE-24-0079

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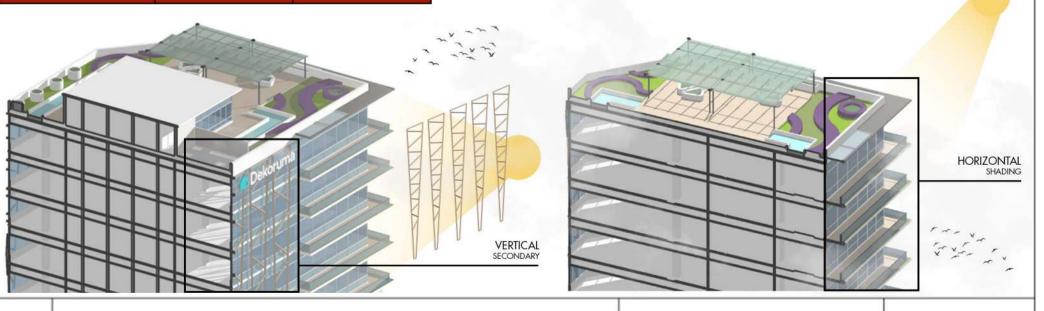
NO.	LOCATION	UNIT	CAPACITY (WP)	TOTAL (WP)	KWP
1	12th FLOOR	309	100	30900	30,9
2	ROOFTOP	356	100	35600	35,6
	TOTAL	665	100	66500	66,5

The total amount of the solar panel that privided in this office is **665 Units** (each units has 100 WP capacity). The total capacity is **66.5 KWP** (covered **4,975% of total energy used** - based on the Edge Buildings Apps).

SHADING.

AND SECONDARY SKIN

This building has a two type of facade envelope, which vertical secondary skin and horizontal shading. Both of them is designed to filter and avoid sunlight.





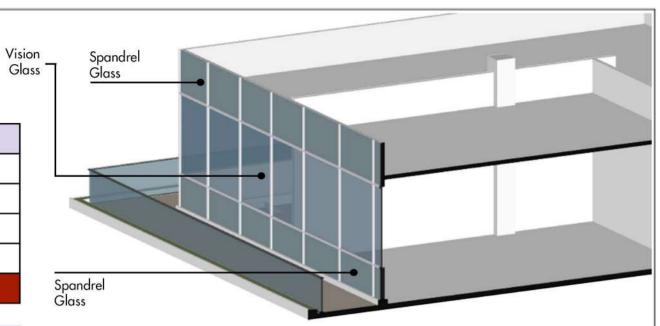
Indonesia DfGE Design Competition 2024

WWR (Window to Wall Ratio)

CALCULATION

NO.	ORIETATION	WINDOW AREA (m2)	WALL AREA (m2)	RATIO
1	Northeast	600,89	1397,22	43,01%
2	Northwest	1743,51	3744,6	46,56%
3	Southeast	1621,3	3374,5	48,05%
4	Southwest	501,15	1053,75	47,56%
TOTAL RATIO		4466,85	9570,07	46,68%

				STO	PRAY					
	Light Characteristic		Energy Characteristic				-			
Type Of Stopray	Transmittance (%)	Reflectanc e Out (%)	Reflectance In (%)	Transmittance (%)	Reflectance (%)	Absorption (%)	Ultra Violet Transmission (%)	Solar Factor (%)	Shading Coeficient	U Value W/m²K
3mm Stopray (#2)+12	mm AS+6mm Cle	ear Glass								
ISION 31T	31	20	15	15	29	56	12	19	0,22	1,5



This building has a full glass facade look. However, there are 2 types of window that is used in the design:

1. Vision Glass (for a building aperture)

