PARK1538 GWANGYANG

BEST PROJECT, CONSTRUCTSTEEL AWARDS

PROJECT OVERVIEW

Park1538 Gwangyang brings together a Promotion Center and an Education Center as an open communication platform for POSCO and the local community.

DESIGN CONCEPT

The name combines “Park” with “1538”, the melting point of iron in Celsius. The architecture translates this steel identity into the continuous curves of the Light Wave.

constructsteel

EXPLORE THE 2025 AWARD WINNERS

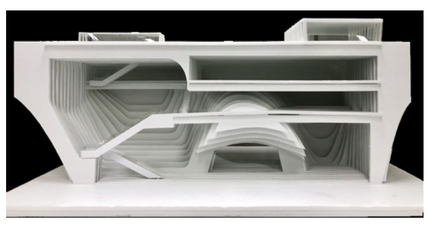


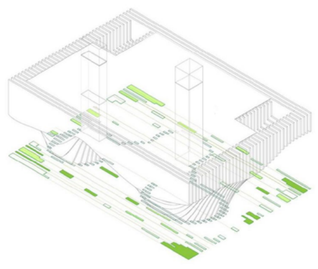
Gwangyang, Korea · Cultural & Educational Facilities

LIGHT WAVE

Inspired by Gwangyang’s association with light and sun, the project uses the strength and flexibility of steel to form a continuous wave-like architectural language.





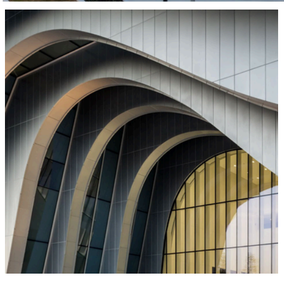


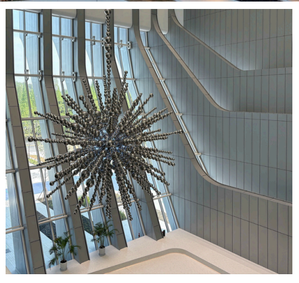
Early form study, sectional concept and concept diagram.

ARCHITECTURAL EXPRESSION

Continuous steel ribs form a flowing “Light Wave,” expressing the strength and flexibility of steel as the project’s architectural identity.





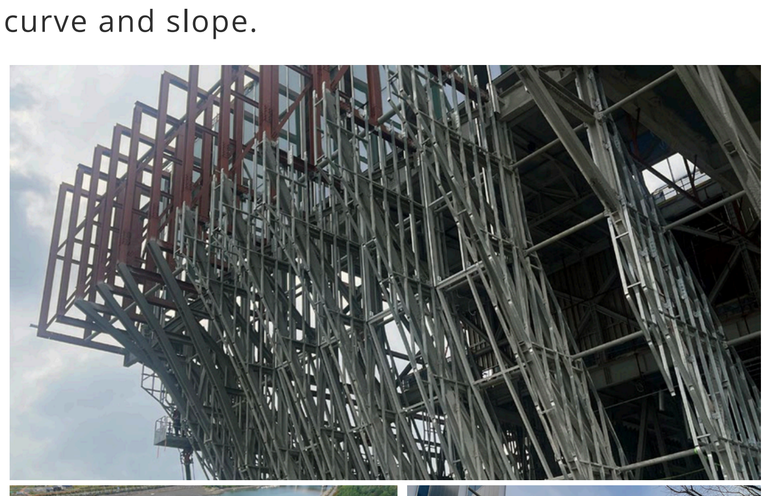




Continuous wave curves turn the steel envelope into the project’s primary architectural identity.

STRUCTURAL SYSTEM

The complex uses 55 PosMAC rins - 23 at the Promotion Center and 32 at the Education Center - with each rib shaped by a unique free curve and slope.







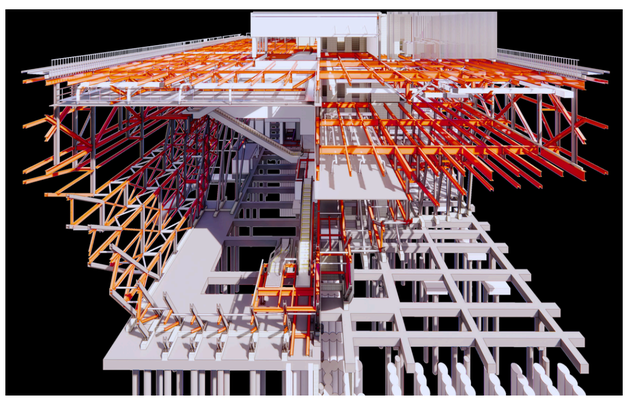
The Promotion Center includes a pronounced cantilevered mass, while the main steel frame uses POSCO S5275 and SM355 built-up members.

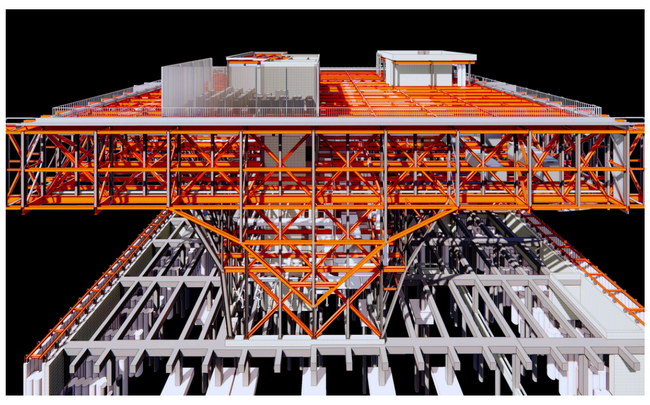
FROM CONCEPT TO BUILT FORM

Light Wave Architecture Idea → **55 Ribs** Layered Geometry → **Cantilever** Spatial Strategy → **Steel Frame** SS275 / SM355 → **3D Coordination** Form + Structure + Finish

PLAN & STRUCTURE

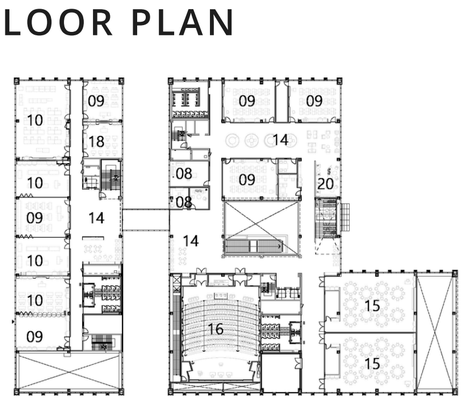
STEEL FRAME AS ARCHITECTURE

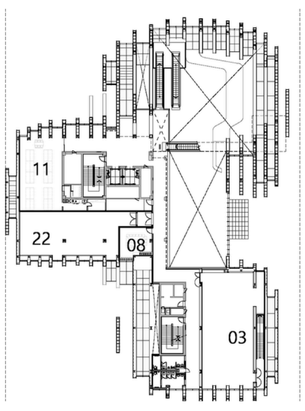




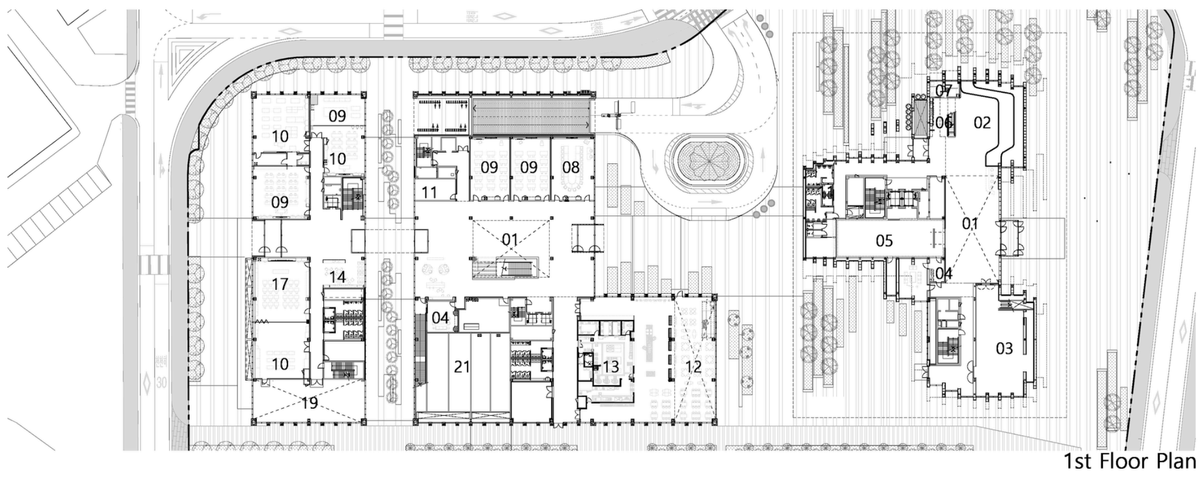
The structural frame is central to the architectural expression of Park1538. The Promotion Center uses an atypical steel system and a large cantilevered upper mass.

FLOOR PLAN



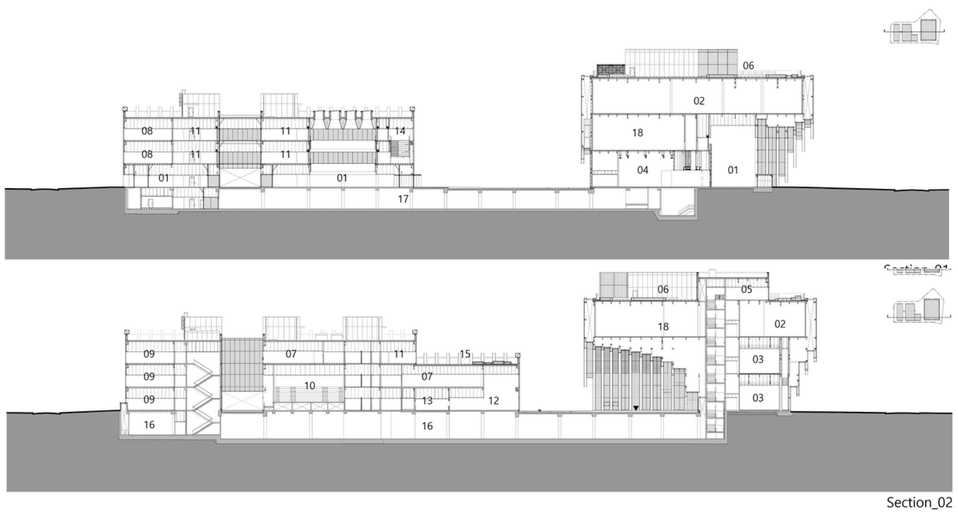


01	Lobby	12	Cafeteria
02	Theme Hall	13	Galley
03	Art Museum	14	Rest lounge
04	VIP Lounge	15	Event Hall
05	Immersive Thea	16	Auditorium
06	Locker Room	17	Control Room
07	Nursing Room	18	VR Room
08	Seminar Room	19	PIMS Room
09	Lecture Room	20	Grand Stair
10	Labs	21	Auditorium PIT
11	Office	22	Air Conditioning



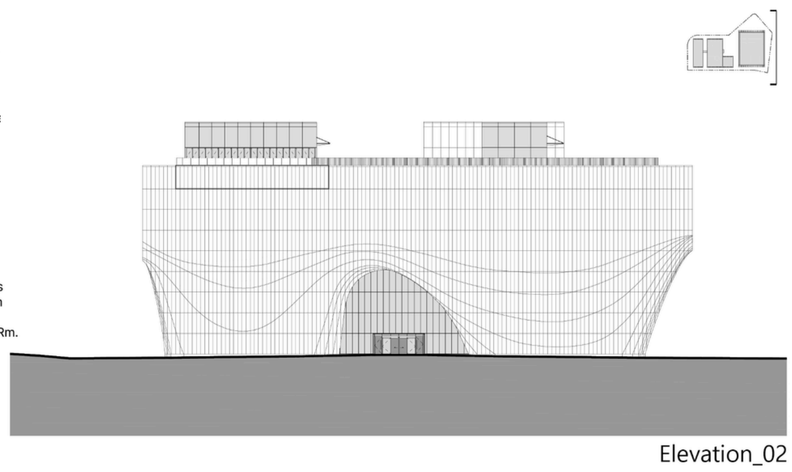
1st Floor Plan

SECTION



Section_02

ELEVATION



Elevation_02

PROJECT INFORMATION

Structure
Steel Frame / Reinforced Concrete

Owner
POSCO Co., Ltd.

Designer
POSCO A&C Co., Ltd.