EVERLAND PANDA WORLD

Danpal® KOREA
Light Architecture

Project summary

- **Project name :** The show house in EVERLAND PANDA WORLD
- **Type :** Indoor facility for animals in an amusement park
- **Location :** Yong-in, Korea
- **Architects :**
    - **Main design :** Dan Pearlman (Germany)
    - **Local design :** SHIM SEABO & HWANG HYUNCHOL at Samoo Architects & Engineers
- **Inspector :** Samoo CM
- **Contractor :** BMB
- **Clients :**

EVERLAND RESORT

SAMSUNG CHEIL INDUSTRIES

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Requirements for the show house

Environmental

“as Natural habitat as possible”

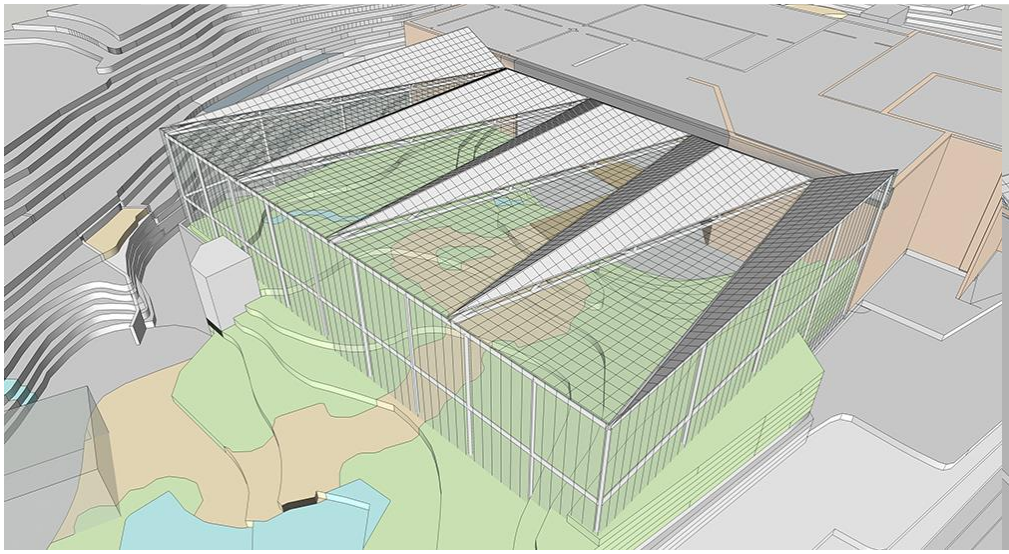
- Place for animals requiring extraordinary sensitive care
- Natural sunlight for animals and plants
- Vegetation that visually healthy and good looking
- Indoor that doesn’t seem like it
- Enough shade
- Reduced vibration and noise

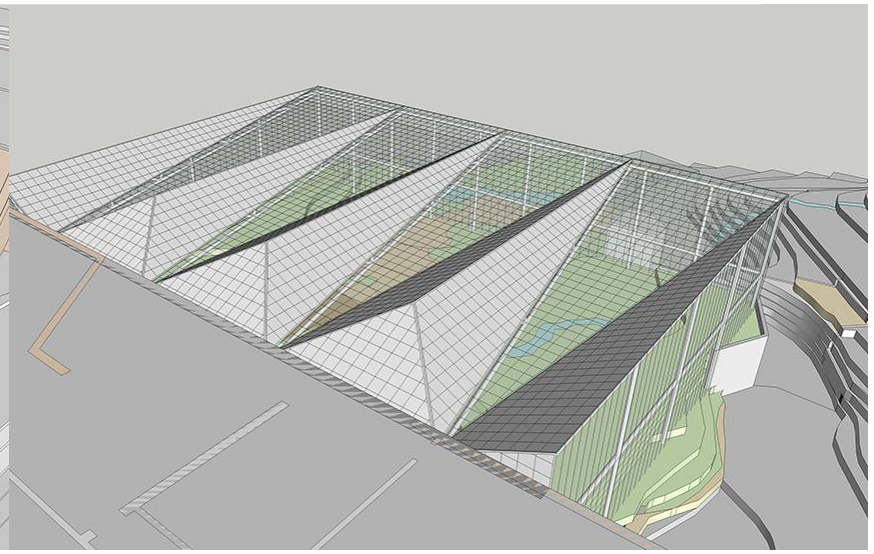
Work flow

Design

Design theme : Valley of Sichuan, China, Panda's home

- Fifteen international panda experts involved
- Airy and transparent external appearance
- 27M Roofing
- Light weight and easy installation
- The show house connecting to indoor & outdoor facilities with shop, café, cinematic room and caretakers' areas



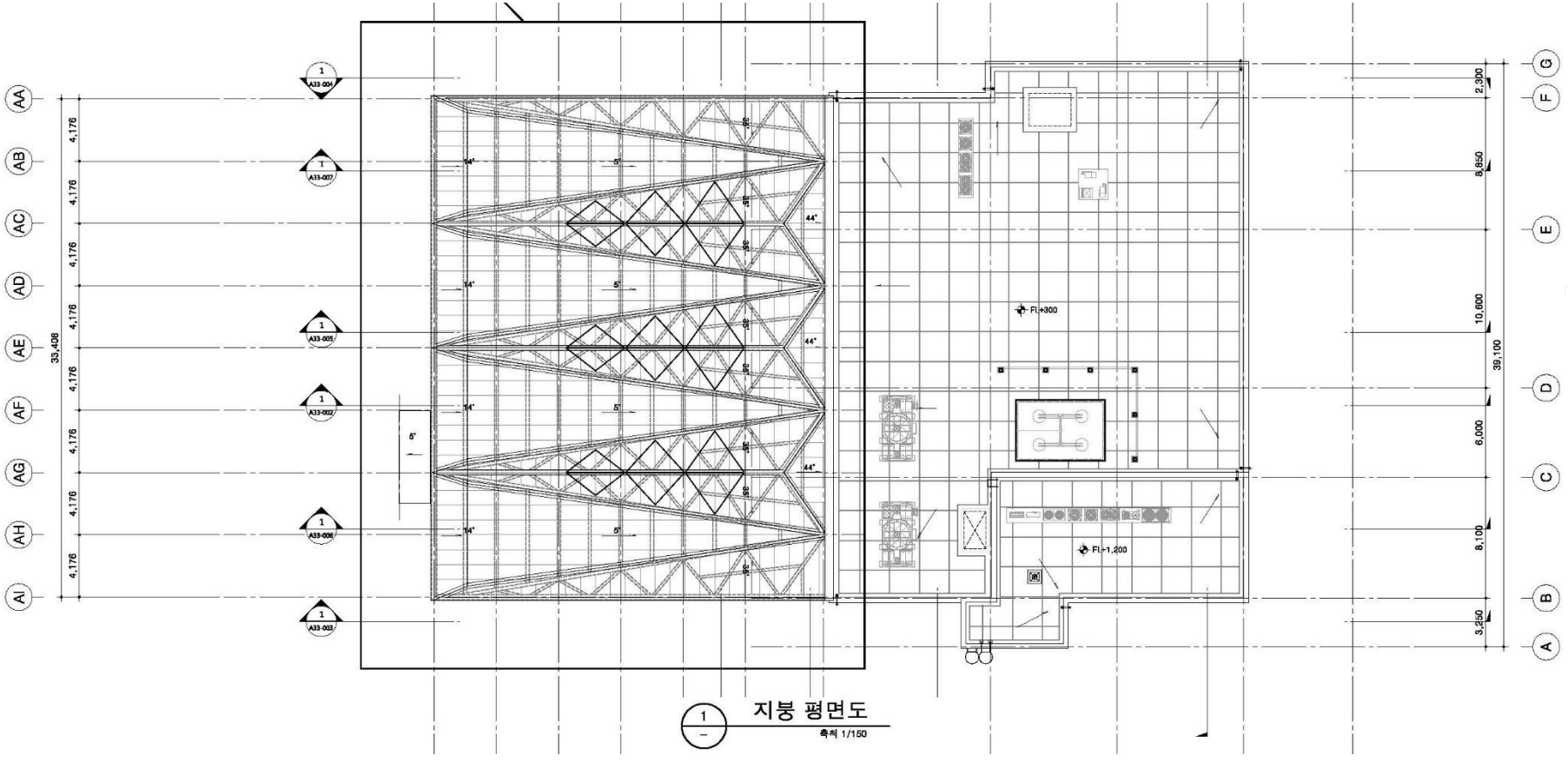


Work flow

Plan – Drawing & Details

Applied Danpal Solution

- 16T 1040 ICE SG (1500m^2) – Free Span Roofing System (AB-BAR) 27M long panels
- 16T 1040 ICE DG (500m^2) – Façade Advanced NM System



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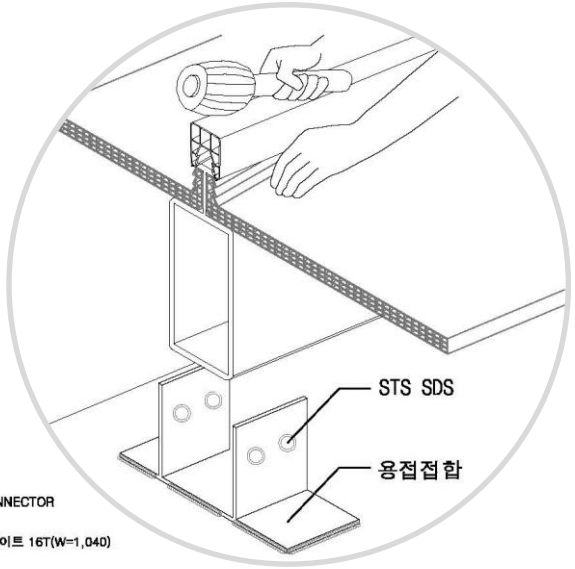

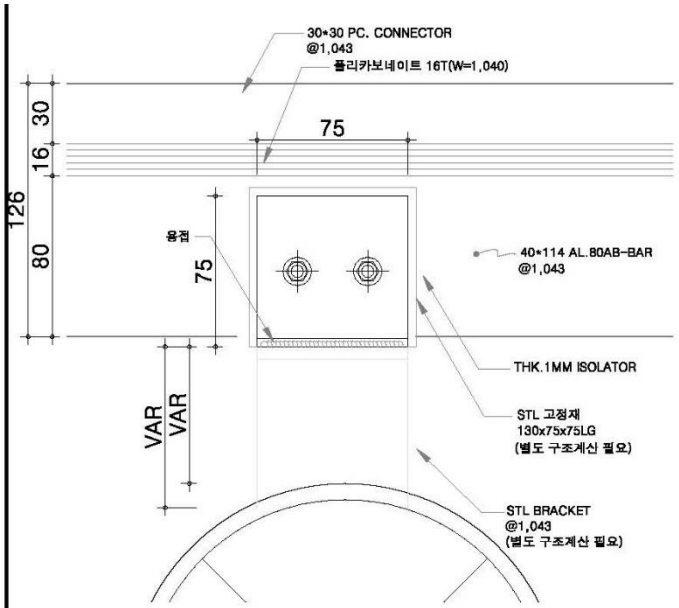

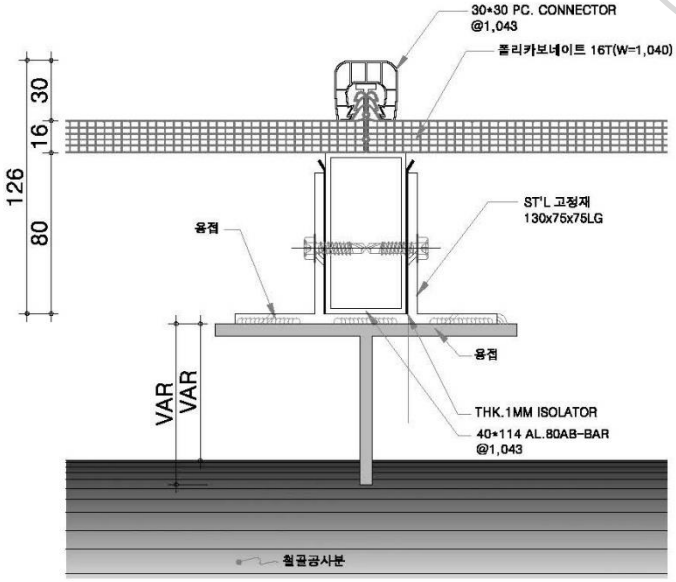

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Work flow

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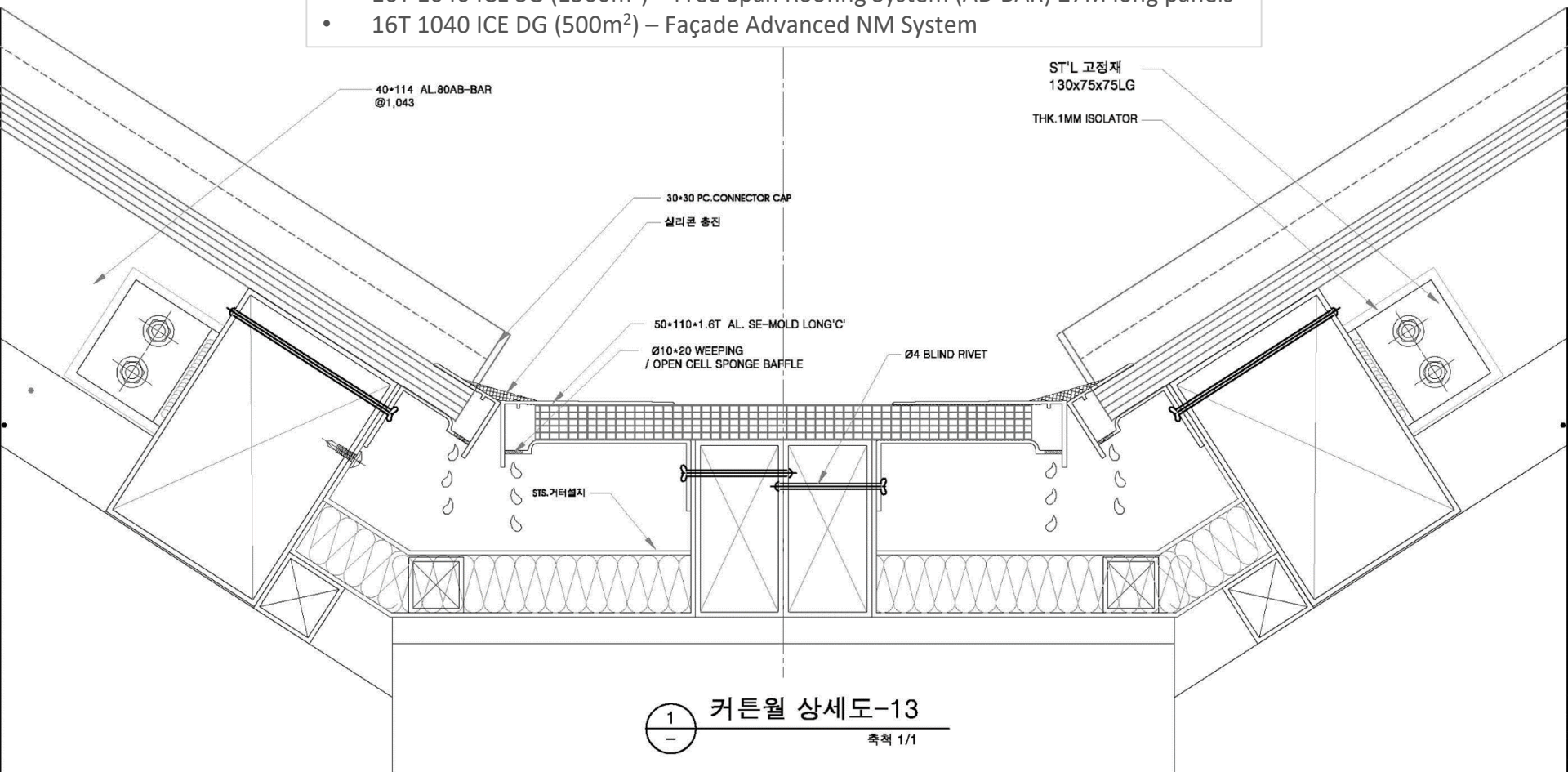

Work flow

Bid & Contract

- The initial plan was to cover the show house with glass entirely but…
- Only Danpal products can satisfy all the requirements :

  - ✓ Product features and benefits that triumph over those of glass material
  - ✓ Indisputable product quality & technical supports
  - ✓ Better understanding of all requirements

- Client chose Danpal with any costs

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Work flow

Installation

- Manually carried long panels by hands due to no lifting vehicles accessible to the site
- Delivery was done during over night to dawn because it opens 365 days
- Construction continued until February 20 2016
- Panda World opened in April 21 2016

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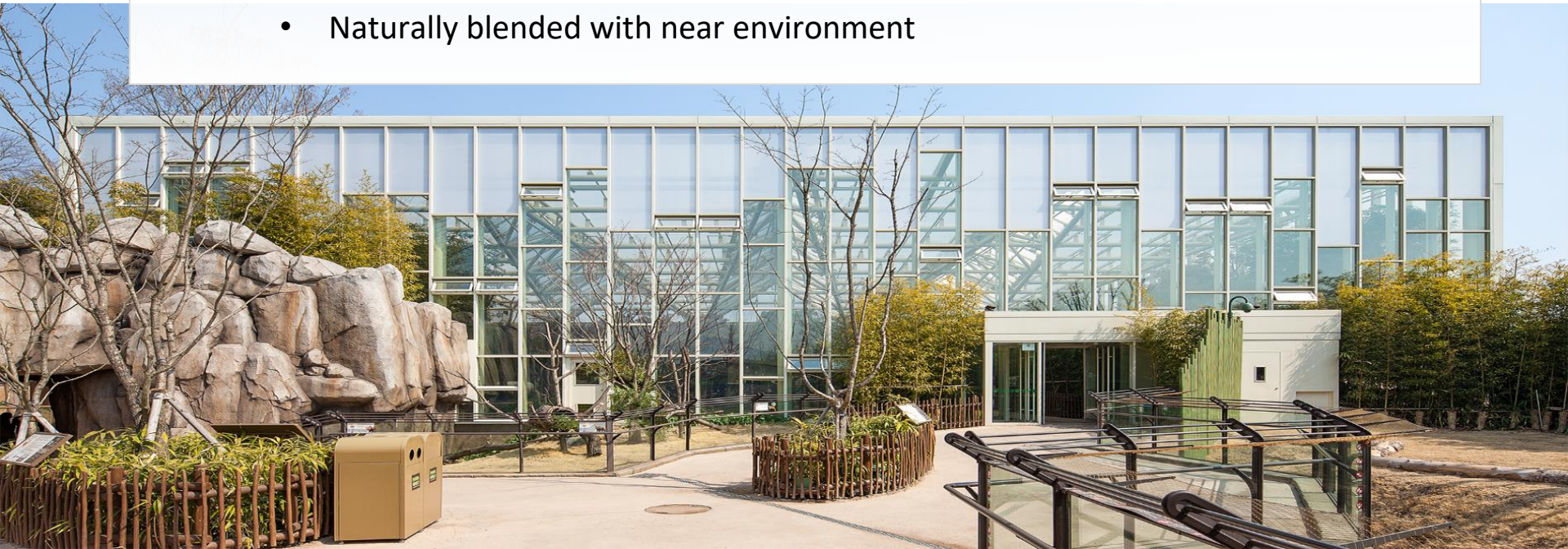
When requirements meet the best solution

- **Danpal Solution :**
  - Transmitting natural light
  - Avoiding direct sunlight in hot summer days
  - UV protection
  - Thermal Insulation providing suitable temperature to pandas and other animals
  - Naturally blended with near environment



Result

(image source from dan pearlman‘s website – https://danpearlman.com/en/work/panda-world/)

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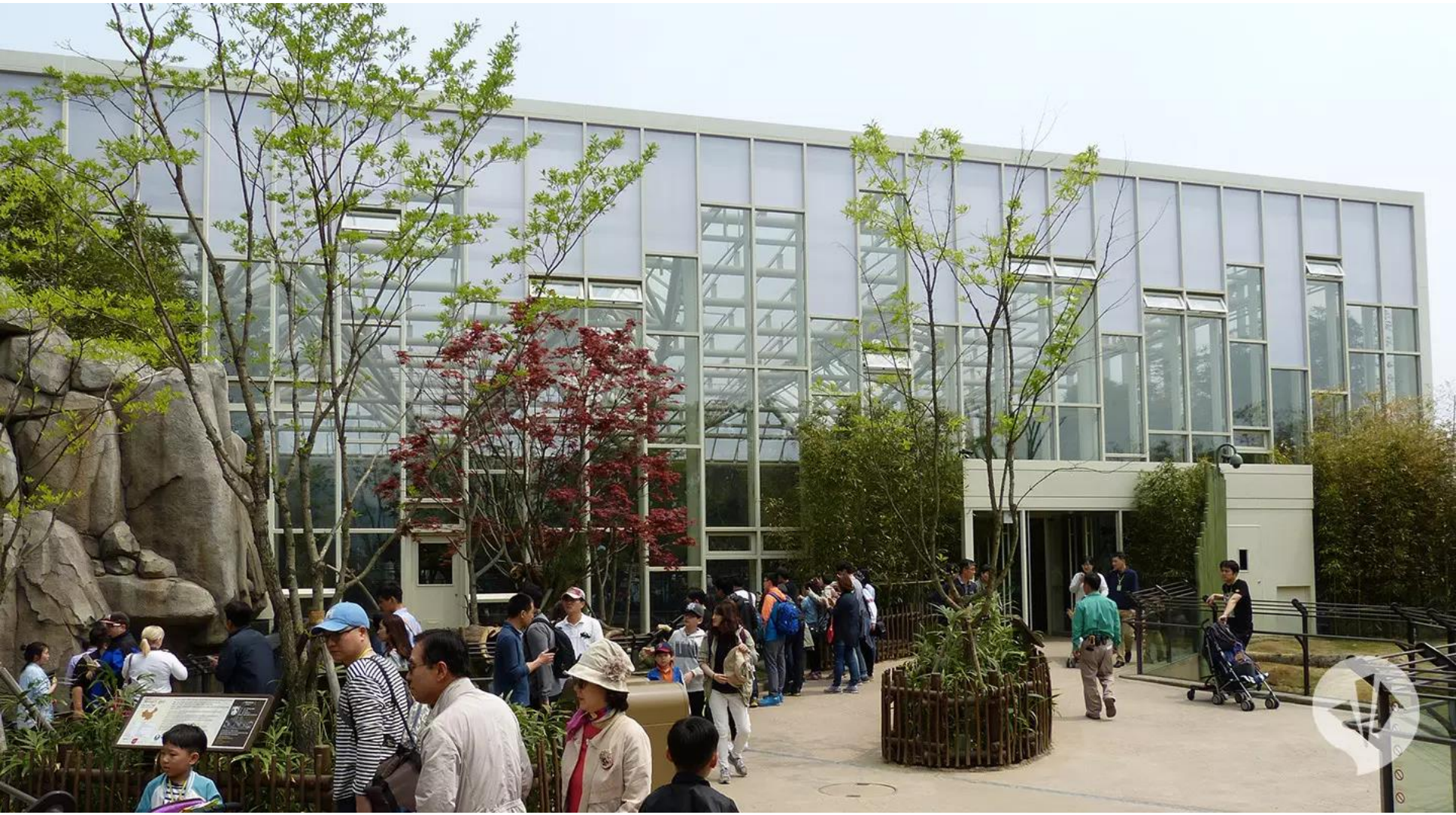
Result



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Result

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Result

(image source from Everland website – http://www.everland.com/web/everland/main.html)

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