

INTERNATIONAL DESIGN COMPETITION  
FOR CHUNG-JU NATIONAL MUSEUM  
GUIDELINES

**2021. 9. 23**

# I. Competition Overview

## 1-1 Competition Title

- International Design Competition for Chung-ju National Museum

## 1-2 Competition Type

- International design competition for domestic and foreign architects (including corporations)

## 1-3 Site and Scope of Design

- Location : 533, 600 Geumneung-dong, Chungju-si, Chungcheongbukdo
- Site Area : 20,000m<sup>2</sup>
- Area/District : Urban Area, Natural Green Area, Tourist District, Flight Safety Zone(District 6), Historical and Cultural Preservation Area
- Gross Floor Area : 9,635m<sup>2</sup>
- Usage : Culture and Assembly Facility (Exhibition)
- Building Coverage ratio : 20% or less (Building Area 4,000m<sup>2</sup> or less)
- Floor Area Ratio : 80% or less (Gross Floor Area for Floor Area Ratio calculation: 16,000m<sup>2</sup> or less)
- Height : Height restrictions according to the Military Bases and Military Facilities Protection Act

## 1-4 Project Budget

- Estimated construction cost : 25,427 million (including VAT)
- Estimated design fee : 1,463 million (including VAT, Certification fees(2-15 for details), related service expenses)
- Estimated construction cost for exhibition : 5,537 million (To be ordered separately)

## 1-5 Schedule

- Announcement and Distribution of Guidelines: Thursday, 16 September 2021
- Distribution of Guidelines: Thursday, 23 September 2021
- Registration: due Thursday, 7 October 2021 (17:00)
- Inquiries posted by participants: due Thursday, 7 October 2021 (17:00)
- Distribution of the responses to the inquiries posted: Monday, 11 October 2021 (website)

- Submission of Work: due Wednesday 24 November 2021 (17:00)
- Technical Review: Friday 26 November 2021
- Jury Committee (1<sup>st</sup> stage): Tuesday 30 November 2021 (9:00)
- Jury Committee (2<sup>nd</sup> stage): Monday 6 December 2021
- Announcement of the Result: Tuesday 7 December 2021 (website)
  
- All times are based on Korean Standard Time (UTC/GMT+9).
- The schedule is subject to change, and the notice of such changes will be posted on the website of the design competition or the representative member of each entrant will be notified directly by e-mail.

#### **1-6 Awards and Prizes**

- The winner has the right to design development and construction documents, and the details of awards are as follows.
  - 2nd prize (1 team): 40 million KRW
  - 3rd place (1 team): 30 million KRW
  - 4th place (1 team): 20 million KRW
  - 5th place (1 team): 10 million KRW

#### **1-7 Organizer**

- National Museum of Korea, Ministry of Culture, Sports and Tourism

#### **1-8 Competition Management team**

- Competition management organization: Korea Architects Institute (kai@kai2002.org)
- General Manager of Management Team: Professor Kim, Dong-Hyun (Sejong University)
- The official website of the competition is: <http://www.chungju-museum.kr>
- Competition Management Committee (in alphabetical order)
  - Kim, Dong-Hyun (Professor, Sejong University)
  - Baek, Jong-Tae (Jium Architects / Chungju Chapters, KIRA)
  - Lee, Kang-Min (Professor, Korea National University of Arts)
  - Chu, Beom (Professor, Konkuk University)
  - Choi, Yoon-Kyung (Professor, Chung-ang University)

## II. Competition Regulations

### 2-1 Eligibility

- This competition is open to licensed architects(domestic/international)
- Conditions for joint application: In the case of joint application, a total of 3 people can participate, and one of the participants must be designated as the representative of the joint application.
- Representative of joint application: The representative of joint application must be a person who possesses an architect's license under the Architectural Architects Act of the Republic of Korea as of the date of submission of the work and has completed the registration of an architect's office according to the same law. The representative of the joint application has the authority to submit and receive documents related to this design competition on behalf of the joint participant, and to acquire and renounce the rights.
- Foreign architect's license holders may participate jointly with a person designated as a Representative for joint application. (the contract of the winner is limited to the representative of the joint application)
- Participation restrictions
  - A person who has received administrative dispositions such as cancellation of registration, suspension of business, closure of business, or suspension of business between the date of registration of the application for participation and the date of the design contract shall not participate as a representative of the design competition.
  - Entrants are not permitted to submit more than one application..
  - Any persons or parties concerned with the organizer the jury or technical committee, or with the competition management team may not participate in this competition.
- If a reviewer falls under any of the following reasons or it is difficult to expect fairness of the review, the participant must submit the supporting data to the ordering organization 7 days prior to the submission deadline to apply for evasion of the reviewer. The ordering organization may exclude from the subject of examination or cancel the award of a public offering that has not been notified even if it falls under the grounds for exclusion.
  - When jury or his or her spouse or former spouse is a participant or co-participant in this competition
  - When jury is or was a relative of a participant in this competition
  - When jury becomes a stakeholder in the implementation of this project
  - If jury has served as an executive or employee of a participating company within the last 3 years

- If jury has conducted advice, research, service (including subcontracting), appraisal, or investigation related to this review target company within the last two years

## **2-2 Languages and units**

- The official languages of this contest are Korean and English, and the unit of measurement is metric.
- Since two foreign jurors participate in the review, the submitted panels must be written in both Korean and English or in English alone. If there is a conflict in interpretation between English and Korean, the Korean language has priority.
- All official documents must be written in Korean or English.

## **2-3 Registration**

- Register online through the official website within the registration period.
- After registering, participants can log in to the website to check whether they have registered or not, and after registration, they can download design competition-related materials or ask questions.
- During the registration period, it is possible to add, delete, change, change the representative, or cancel registration of a co-participant, but it cannot be changed after the registration deadline.

## **2-4 Q & A**

- Those who have completed the registration of participation can make inquiries using the bulletin board of the website and do not receive inquiries through separate e-mails or phone calls.
- Inquiries must be written in Korean or English, and answers to all inquiries are provided in Korean through the homepage bulletin board.
- Answers to questions are considered as additions or modifications to the design competition regulations or guidelines.

## **2-5 Materials provided**

- Participants who have completed registration can receive materials necessary for design through the website.
- Materials provided for this design competition cannot be used for any purpose other than the design competition or distributed to others without the consent of the organizer.
- If necessary, additional data may be provided. In this case, it will be notified through the e-mail, and posted on the website.

## **2-6 On-site Briefing**

- There is no separate briefing session due to the corona virus environment. You can ask questions after identifying the site with the provided video and photo files.

## **2-7 Submissions**

- All submissions must be packaged together and submitted directly by person and the organizer is not responsible for loss or damage due to packaging problems.
- Some of the files specified in Chapter 4 must be uploaded within the deadline of the submission date through the link published on the website.
- All submissions must be received within the deadline for submission to be accepted.
- Submission location: to be announced later
- Only the submitted works will be judged. Whether or not the submission has been completed can be checked on the 'My Page' of the contest website after the deadline.
- The organizer may request additional documents if necessary, and all facts will be reported to the judging committee.
- The specific types and specifications of submissions are provided in IV. Submission guidelines.

## **2-8 Technical Review Committee**

- The technical review committee is composed of experts in architecture related fields.
- The Technical Review Committee reviews whether the submitted work complies with the design competition guidelines, related laws and the technical feasibility, etc. The committee organizes a report and submits it to the Jury Committee.
- Specific technical review standards, procedures and methods are determined by the technical committee.
- The content of the report of the technical review committee is confirmed by the decision of the judging committee, and the confirmed content is clearly marked in the review data for each work and reflected in the evaluation.

## 2-9 Jury Committee

- The jury committee consists of a total of 5 jurors(3 domestic, 2 international) and 1 alternate juror(domestic), and the list is as follows. (in alphabetical order)
  - Ahn, Kihyun, Professor, Hanyang University
  - Horgan, William, Partner, Grimshaw Architects
  - Shin, Seungsoo, Principal, DESIGNGROUP OZ Architects
  - Shockey, Sven, Design Director, SmithGroup.
  - Yoon, Seounghyun, Professor, Chung-ang University
  - Alternate juror: Kim, Changgyun, Principal, UTAA Company
- The jury committee opens with the attendance of a majority of the number of jurors, and the chairman of the jury committee is appointed through a pre-meeting on the day of the review. The chairperson of the jury committee conducts a meeting and collects the design competition regulations and the opinions of the judges to determine the details necessary for the judging process.
- The jury committee receives reports on the technical review comments submitted by the technical committee and reflects them in the evaluation through consensus.
- Competition management committee may express their opinions in the review process for the smooth progress of the review, but cannot exercise their right to review.
- A juror who does not attend the meeting loses his/her qualifications as a juror, and an alternate juror acquires a juror's qualification on his/her behalf.
- The judging committee is conducted privately, but all contents of the judging are recorded.

## 2-10 Review Criteria

- The Jury Committee judges based on the major design tasks described in Paragraph 3-2.
- For fair evaluation, items other than those described in the design guidelines are not applied as criteria for evaluation.

## 2-11 Competition Review Process

- The review consists of the first review and the second review. However, if 5 or less works are submitted, the first review will be skipped and only the second review will be conducted.
- In the first review, 5 candidates for the second review are selected from the

submitted works. However, the number of selected works can be changed according to the decision of the jury committee.

- After the first review, the candidates for the second review are announced on the website and the participants are individually notified.
- The review committee selects the winning and winning works from among the works subject to the second review..
- Other detailed evaluation guidelines and methods other than the 'review criteria' are decided by the jurors.
- The review process is based on a voting system and the jurors evaluate the proposal after sufficient discussion.
- The jurors prepare detailed statements for evaluation of all awards and submits it to the organizer.
- Among the submitters, the works of those who fall under the following reasons may be withdrawn according to the decision of the review committee, and even if discovered after the award-winning work is decided, the award may be withdrawn by the decision of the review committee.
  - In case of serious violation of relevant laws such as the Building Act
  - In case of significant violation of design guidelines
  - When two or more works are submitted
  - In case of violation of the anonymity of the work
  - If the judges and organizers do not comply with the prohibition of prior contact
  - When significant similarity is recognized with previously published works of others.
  - If it fails to meet the qualifications based on the eligibility rules
  - When it is recognized that an unfair act has occurred, such as providing or receiving money, goods, entertainment, collusion, mediation, solicitation, etc.
- If the quality of the works is significantly low or too few works are submitted as a result of the screening, the winning works may not be selected or the number of winning works may be adjusted by the resolution of the jury committee.
- Participants may not raise objections to the results of the judging.

## 2-12 2<sup>nd</sup> Review Process

- The second review is conducted through pre-recorded video screening and real-time online Q&A in order to allow sufficient time to verbally explain the designer's intentions while maintaining the anonymity of the participants.
- Presentation materials must be submitted before the announced deadline for submission after the announcement of the results of the first review, and refer



to 4-3 for the format of the presentation materials

- The pre-produced and submitted video will be screened in front of the jurors instead of the presentation, and there will be a question-and-answer session within 10 minutes after the screening.
- In order to comply with anonymity, the camera must be turned off during the Q and A session so that the face is not exposed and participants must participate only by voice.

### **2-13 Announcement of the Result**

- Review results will be posted on the official website according to the schedule after the end of the review process, and only the winning entries will be notified individually.
- The result announcement date may be adjusted according to the circumstances of the organizer and the review schedule.
- If a participant wants to check the review process, he or she can request the organizer to view the transcript or video of the review process within 7 days after the competition result is released.

### **2-14 Compensation**

- Compensation is paid in KRW to the representative of the competition team.
- All taxes are included in the compensation, and the tax laws of the Republic of Korea apply.
- Refer to 1-6 for types and amounts of compensation.

### **2-15 Contract**

- Design contracts are made in compliance with relevant laws and regulations.
- The contract is in Korean, and is drawn up based on the task description provided separately by the organizer.
- The winner will sign a contract with the ordering organization within 10 days of winning unless there is a special reason. However, if it is unavoidable depending on the circumstances of the project, the contract signing period may be adjusted after mutual agreement.
- The winner shall design with the cooperation of related engineers such as structure, civil engineering, landscaping, machinery, electricity, communication, and firefighting (joint implement or shared implement).
- The design cost includes the following costs, and includes all costs for performing various administrative tasks.
  - Green Building Certification related design and certification fees

- Building Energy Efficiency Rating Certification and Zero Energy Certification related design and certification fees
- Energy Saving Plan and Barrier-free certification related design and certification fees
- The winner is obliged to adjust the design so that the winning project's plan does not exceed the scope of the construction cost suggested in this guideline.
- In the process of designing, the winner must respond to the consultation of the organizer when the organizer requests to revise the plan due to the review committee's supplementary opinion or changes in the program, area, budget, etc. However, if such a change leads to an extension of the design period, it will be dealt with in accordance with the relevant laws, such as the Act on Contracts to which the State is a party, in consultation with the organizer.
- If false information is found in the documents submitted by the winner, or if the legal requirements necessary for contract and execution of architectural design services are not met, the design right of the winner will be revoked, and the next winner will inherit the design right.
- In the case of joint application, all legal rights and obligations related to the design competition shall belong to the representative of the joint application, and the internal business conditions between the parties to the joint application shall not be binding on the organizer.
- Contracts with the winners, including co-applicants, shall be in accordance with Article 72 of the Enforcement Decree of the 「Act on Contracts to which the State is a Party」 and 「(Contract Rules) Guidelines for Joint Contract Management」. Accordingly, the contractor must be a person who can use and register the national comprehensive electronic procurement system in accordance with the 「Act on the Use and Promotion of Electronic Procurement」 with qualifications such as licenses, permits, and registrations necessary to fulfill the contract.

## 2-16 Copyright

- The submitted work must be purely creative and must not infringe on the copyrights of others. All responsibility for copyright infringement of others lies with the participant, and the award may be revoked. However, if a third party's intellectual property rights are used, a document proving the right to use, such as the third party's consent, must be attached.
- The copyright and ownership of the submitted work belongs to the participant. However, the ordering organization has the right to use all submitted works without compensation for publication of reports, collections

of works, exhibitions, business plan establishment, etc. related to this design competition, or to use them for publicity through newspapers, broadcasts, or other media. Participants (teams) must actively cooperate with the above exhibition, publication and publication, and by submitting the submitted work, they are deemed to have agreed to this.

#### **2-17 Anonymity**

- Participants may not make any identifying identification on their submissions and any violations will be reported to the jury.
- Participants are prohibited from interfering with fair evaluation, such as contacting the judges prior to screening to inform them of their participation, explaining the work, asking for advice, or making a solicitation.
- Participants will not disclose their submissions to the public until the winning entries are announced.

#### **2-18 Succession of winning entries**

- In case the project is suspended or canceled due to the circumstances of the organizer, the organizer shall compensate the winner and the amount of compensation shall be determined by agreement between the parties.
- If the winner abandons the contract, the next-ranked person inherits the design right, and the second-ranked person must return the previously received compensation to the organizer. The organizer will pay the returned compensation to the previous winners.
- If the election is canceled due to the disqualification of the winner, the next-ranking person will take over the design right, and the next-ranking person will return the previously received compensation to the organizer.

#### **2-19 ETC**

- Matters not specified in this guideline apply to the 'Architectural Design Competition Operation Guidelines' (Ministry of Land, Infrastructure and Transport Notice No. 2019-196).
- The design competition is executed in accordance with the laws of the Republic of Korea, and in the event of various disputes related to the competition, the court in the Republic of Korea will mediate or decide.

## III. Design Guidelines

### 3-1 Competition Backgrounds

- The National Museum of Korea is an institution that oversees the preservation of state-owned buried cultural assets excavated from across the country based on the Cultural Heritage Protection Act. In addition, it has expanded its role from an institution that establishes and educates national cultural identity to a cultural center that responds to the diverse cultural demands of modern society.
- The Chungju National Museum is the 14th national museum to be located in Chungju, the central part of the Korean Peninsula, which has been geographically and historically very important as well as the core of Jungwon culture.
- Jungwon culture, which refers to the culture of the central region, is the culture of empires in history that tried to occupy this region while noticing the strategic importance of it from prehistoric times to the Chosun Dynasty. It has developed further through the trade and transport of Namhan River penetrating central region from east to west and is being passed down through the lives and relics of the people who flocked to the area along the river. However, the relics of Jungwon culture has been scattered and stored in nearby museums, and they are now moving to Chungju, the center of Jungwon culture, to be exhibited, researched, and used for education in the new museum.
- The Chungju National Martial Arts Park (hereinafter referred to as 'Martial Arts Park') was selected as the site for the Chungju National Museum, which has a beautiful natural environment around and is loved and visited by Chungju citizens. The Martial Arts Park is used for a short time as a place for the biennial World Martial Arts Festival, but most of the time it is an ordinary place remaining as a riverside citizen park. Therefore, with the establishment of the Chungju National Museum, the Martial Arts Park is not just a space for leisure and relaxation, but also serves as a spatial basis for local cultural activities providing a variety of things to enjoy and see. It is expected to establish itself as a cultural powerhouse, a base for culture and art in the city
- The site, along with Tangeumdae (historic site and park with observation point) and Tangeumdaegyo(connecting bridge), is a major viewing point of the Namhangang River, and has the countrywide bicycle path passing by and for that reason, it has the potential as a new tourist destination that can be visited by many people throughout the country
- Therefore, we intend to open a competition seeking creative design proposals that go beyond the typical architecture of the existing national museum,

present the role and vision of a new museum with new spatial possibilities. The new design should not only convey the new exhibition concept and message of the museum collections, but also attract visitors and contribute to the revitalization of the area with the attractiveness of the architectural space itself.

- Through the establishment of the Chungju National Museum that successfully contains historical, cultural, and regional contexts, it is intended to create an active communication space for citizens, and use it as an opportunity to present a new development direction and architectural vision for the region.

### 3-2 Main points of review

- As the first national museum to be built on the riverside, creative proposals will be made to maximize the use of the Namhan River waterfront space and the surrounding beautiful natural environment in the design of the museum.
- While faithfully performing the function of the museum, the building itself will present a new type of museum that is differentiated from the existing museum in form and space.
- It should be designed as a space that conveys new exhibition concepts and messages so that visitors can experience the historical meaning of Jungwon culture.
- It is necessary to present non-exhibition programs (restaurants, rest areas, convenience facilities, etc.) that can attract the attention of the younger generation, and suggest ways to naturally combine them with the exhibition space.
- Since it is a project to construct a museum by changing a part of the existing park, site layout and the area for additional proposal should be planned so that it can become a spatial foundation for cultural activities that harmonize various cultural contents of the region.

### 3-3 Site Status

- Project Site Status
  - Located in Chungju World Martial Arts Park as part of 533 and 600 Geumneung-dong, Chungju-si.
  - The project site is located on the banks of the Namhangang River and consists of flat land, Tangeumdae is located on the southwest side, and the facilities and green spaces of Chungju World Martial Arts Park, the entrance plaza, and the parking lot are composed of spaces.
  - It is currently included in the Chungju World Martial Arts Park and is used as a green space and training stage (outdoor performance hall). A company

called Light World received a license to operate a theme park with the theme of light and major cities in the world, but as of September 2021, the license was revoked, and related facilities are being demolished.

- Along the Namhangang Road to the west of the site, there is a bicycle path that runs across the country. (connection point of Namhangang Bicycle Path and Saejae Bicycle Path)



Figure 1 Site analysis

- Traffic and access
  - The transportation of Chungju City is connected by the Chungbuk Line Railway and the Jungbu Inland/Pyeongtaek Jecheon Expressway. As Chungju is located in the center of the country, the regional transportation network system to each region is good and the connection between regions is well developed, but there is no public transport connection within the project site. (Figure 1)
  - Access to the project site is possible through Tangeum-daero and Namhangang-ro on Local Road 82 to the parking lot of Martial Arts Park (No. 6 in Figure 4).

### 3-4 Characteristics and scope of the collection

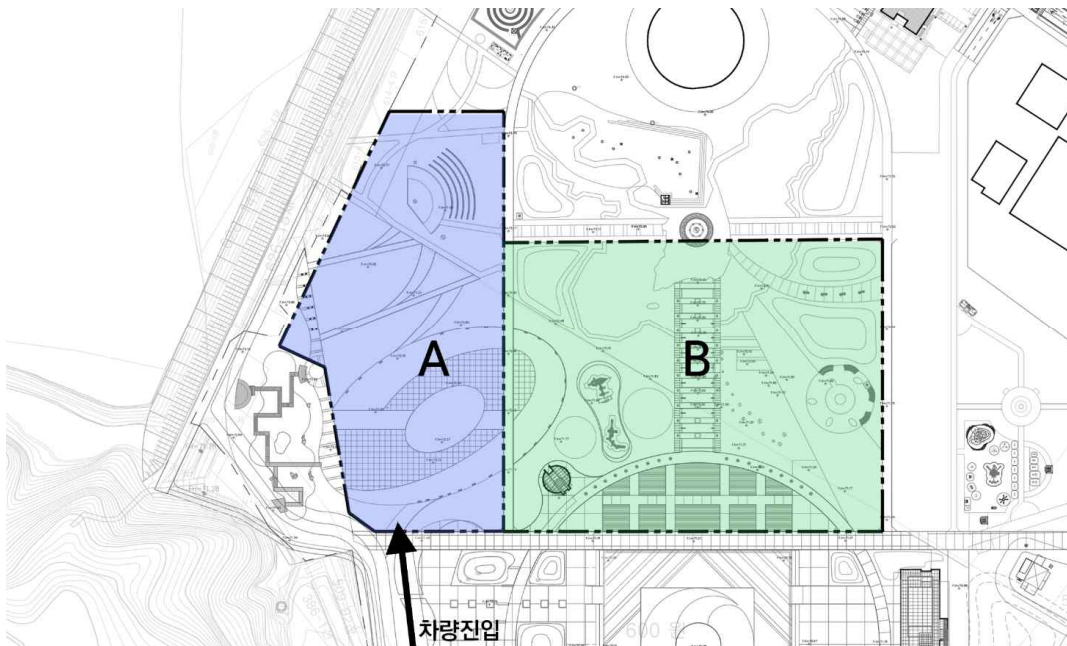


Figure 2 Stupa (left, National Treasure No. 102) and Stele(right, Tresure No. 359) of State Preceptor Hongbeop from Jeongtosa Temple Site, Chungju

- Characteristics of the collection
  - Most of the excavated relics in the northern region of Chungcheongbuk-do, which was a geographically and historically important central area from the prehistoric period to the Three Kingdoms period, are mostly earthenware and metals.
  - In particular, the importance of relics distributed along the Namhangang River, Goguryeo relics, and Buddhist relics are noted historically, and the relics excavated are also of high cultural value.
- Scope of the collection
  - Cultural properties that can be used for permanent exhibitions in the Jungwon(Central) cultural area other than the northern region of Chungcheongbuk-do are those excavated from the Jungwon cultural area among the collections of the National Museum of Korea, Cheongju National Museum, and Chuncheon National Museum.
  - About 53 thousand cases (72 thousand pieces) of artifacts excavated from the northern region of Chungcheongbuk-do that can become the collection of the Chungju National Museum in the future, about 40,000 of them are planned to be collected.

- Representative collections
  - Stupa and Stele of State Preceptor Hongbeop from Jeongtosa Temple Site, Chung-ju (Figure 2)
  - Built in 1017 (8th year of King Hyeonjong) in Goryeo.
  - National Treasure No. 102 (Stupa) and Tresure No. 359 (Stele).
  - Stupa height 255cm, Stele height 375cm, (body height 222cm, width 105cm, thickness 22.5cm)
  - Relocated to Gyeongbokgung Palace in 1915, what was originally left at the site of the Jeongtosa Temple, and then moved to the the National Museum of Korea

### 3-5 Design Guidelines (General)



[ Project site(A) and the area for additional proposal(B) boundaries ]

- Site Planning
  - The project site is located inside the tourism area (Chungju World Martial Arts Park). Participants should consider the characteristics of the location of the site facing Tangeumdae and Namhan River, and propose a plan to utilize the opportunity provided by the waterfront space in the design of the museum.
  - The layout of the museum is to cut the layout and landscaping of the existing park along the site boundary and transplant the new layout. Therefore, it should be designed so that it can be naturally connected to each other around the site boundary.



- All existing facilities within the proposed site boundary are scheduled to be demolished, but three large trees (No.3 in Figure 4) with a height of about 30m located near the outdoor performance hall on the north side of the site can be preserved if necessary.

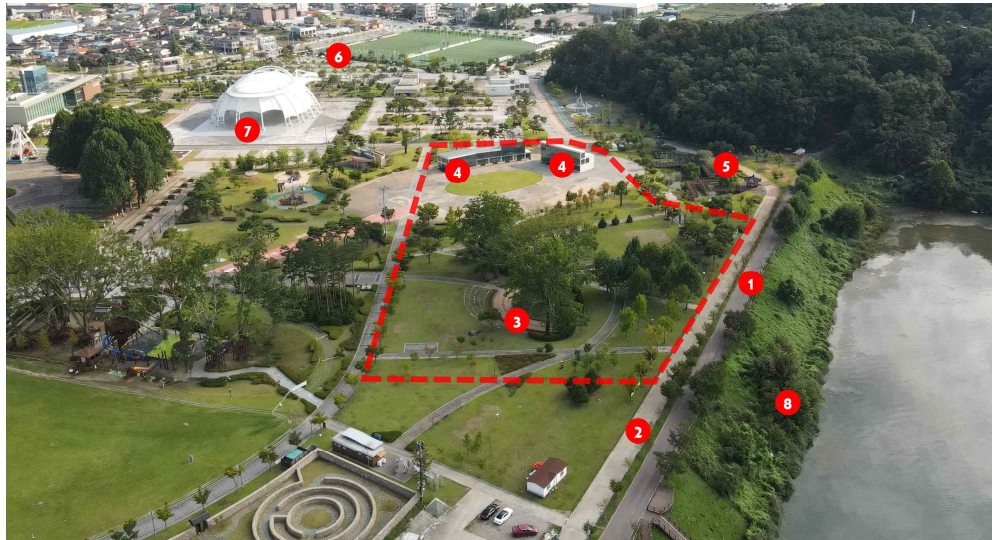


Figure 4 A bird's eye view of the site from the north to the south (refer to the CAD file in the provided material for the exact boundary))

- Design parking (outdoor parking) as much as possible beyond the legal number of parking spaces on the site. (A total of 65 or more parking spaces, based on a total floor area of 9,635m<sup>2</sup>)
- From the parking lot of the Martial Arts Park (No. 6 in Figure 4) to the project site, it is currently only connected by a pedestrian path, but a vehicle road directly connected to the project site will be installed in the future. Vehicles cannot enter except in the direction indicated in Figure 3.
- A part of the outdoor space is allocated to make it possible for outdoor exhibitions, and the area is marked. In addition, if the program changes, it should be possible to form an organic relationship with the museum's internal space.
- The cross-country bicycle path (No.1 in Fig. 4) and the sidewalk (No.2 in Fig. 4) passing through the west side of the site are facilities outside the site. It should be maintained as it is, but a part of the sidewalk can be used if a bicycle path is introduced into a part of the site and a plan to link it with the museum program is proposed.
- Two temporary buildings (No.4 in Figure 4) are scheduled to be demolished on the southern side of the site.
- The wetland park (No.5 in Fig. 4) is located on the southwest side of the

- site, and it should be planned to naturally connect with the museum's circulation while preserving existing facilities such as a pedestrian bridge.
  - In addition to the visitors to the museum, accessibility from the surrounding areas and the connection of the trails should be considered, along with the security of the museum.
  - The site is located in the embanked area(No.8 in Figure 4), so it is a soft ground that requires pile construction during civil works. Review the attached ground survey report in detail and properly reflect and explain it in the flood damage prevention plan and underground space design.
- Area for additional proposal
    - Participants must propose a landscape plan in the area for additional proposal (section B in Fig. 3) so that the plan for the museum and the existing park site can be connected naturally.
    - Within the area for additional proposal, the building plan should be avoided, and it should be planned as landscaping and landscaping facilities, and it is excluded from the calculation of the construction cost.
    - It may include new programs and utilization methods that can improve the use of the existing martial arts park and revitalize the space.
- Plan design
    - It must be designed to meet the functions and uses required in each area, and the guidelines for each area in 3-7 must be followed. However, the Convenience area (cafeteria, etc.) and Common area (hall, lobby, etc.) are exceptions. In the remaining areas except for these two areas, the area secured by reducing within the allowable range (10% for each area) can be used for the convenience area and the common area.
    - In public spaces such as cafeterias and lobbies, the riverside view should be secured as much as possible, and a three-dimensional structure should be addressed such as creatively connecting the inside and the outside through methods such as a terrace or deck.
    - The cafeteria allows not only visitors inside the museum, but also outside users (walking trails and bicycle path users, etc.) to freely visit.



- sectional design
  - Design the cross section so that organic flow of circulation is possible by appropriately utilizing the conditions of the site and the program.
  - Design for efficient floor-by-floor zoning through a functional cross-sectional zoning plan that considers the characteristics of each use and function.
  - For the floor height, secure sufficient height in consideration of the characteristics of each function. In addition, it should be designed in consideration of mechanical equipment, electrical equipment, structural system and maintenance aspects.
  
- elevation design
  - The exterior of the building is designed to harmonize with the surrounding environment and landscape. Express the design concept of the building and the awareness of the museum, but avoid excessive in the elevation composition and color scheme.
  - Exterior materials should be selected in consideration of the characteristics of the museum, but considering economic feasibility, constructability, functionality, durability, and maintenance.
  - The design drawing should clearly indicate the material and shape of the finishing material.

### 3-6 Guidelines for each Area

- Exhibition Area
  - The exhibition space is divided into permanent exhibitions and special exhibitions. The proposal should provide a direction so that it can become a standard for future exhibition design, and suggest an exhibition concept and method in which architecture and exhibition are not separated but are closely integrated with each other.
  - The permanent exhibition room consists of three to four rooms, but it can be used variably and includes a AR(augmented reality) room.
  - Suggest a special exhibition/view plan for viewing the representative collections presented in 3-5. (It must be displayed indoors, and there is no need to set up a separate exhibition room)
  - When moving between exhibition rooms, it is necessary to change the atmosphere and create an environment where one can immerse in the next exhibition by placing a transition space, etc..
  
- Education area
  - The education area consists of a multifunctional space that accommodates various educational programs, academic events, assemblies and special activities hosted by the museum.
  - For entry, priority should be given to the installation of an independent entrance directly connected to the outside, but access through the main entrance hall should also be possible.
  
- Collection storage area
  - The storage area is divided into a storage and a storage support space. Circulation to the storage area is strictly separated from the flow of spectators, so it is planned for easy security management.
  - It is divided into three areas: pottery, metal, and temporary storage.
  - Storage support space consists of loading deck, packing room, temporary collection holding room, and collection classification room and etc.
  - When the storage is located on the ground, it is necessary to suggest a method of temperature control by heat, and when it is located underground, it must be provided with measures such as waterproof/moisture-proof treatment to prevent condensation and dewatering to prepare for inundation due to flood. (Unless in special cases, it is recommended to be located on the ground)

- Convenience area
  - As a space that accompanies various public activities such as a museum shop, cafeteria/restaurant, and information acquisition, it should be planned to respond to both the riverside space and the martial arts park space.
  - Arranged in consideration of a separate entry flow so that the museum can be operated even when it is not operating hours.
  - Plan the cafeteria/restaurant by considering it architecturally enough to enhance the visitor's visit only with its spatial value.
  
- Curatorial and Administration area
  - The curatorial and administration area area consists of a general office, curatorial laboratory, conservation treatment room, conference room, and staff cafeteria.
  - The office should be equipped with natural light and natural ventilation so that work can be performed in a pleasant environment.
  - The preservation treatment room has the conditions of a general office, but it must be separated from other office spaces and the HVAC facility system, and since it is a space that handles relics, security management facilities must be considered separately.
  - The curator's movement in the research area should be linked to the exhibition space.
  - The curatorial and administration area should be placed close to the parking lot, and a separate entrance should be provided to prevent confusion with visitors, increase convenience, and plan to enable access and security management even when the museum is not operating hours.

### 3-7 M.E.P.

- Introduce a mechanical facility system that can rationally use the building's energy and minimize energy loss, and plan in the direction of reducing the LCC (Life Cycle Cost) of the building.
- The entire building is equipped with heating and cooling facilities, and the heating and cooling heat source supply and auxiliary facilities are designed with centralized management, and economical and efficient automatic control system is planned in consideration of energy saving for each floor and room.
- For the machine room, plan remote control facilities to enable soundproofing and vibration-proofing facilities and integrated control for noise and vibration of rotating machinery.

### 3-8 Structural Design

- The structural plan of each part should be designed in detail by examining the design load, the specifications of structural materials, and the load conditions according to the design standard strength and use. In addition, it must comply with the relevant regulations such as the building law, the rules on the structural standards of buildings, and the load standards of buildings.
- The floor frame and walls of the basement floor are designed to be safe against inflow of rainwater and groundwater, and the outer walls of the basement are designed to withstand earth and water pressure.

### 3-9 Program Area

- The total floor area cannot exceed 9,635m<sup>2</sup> and can be adjusted within the range of -5%.
- The variation of the area for each room and area can be added or subtracted within the range of ±10% in each room or area. (Except for convenience area and common area, refer to 3-5 floor plan)
- A participant may propose a space that is not in the area table but is considered essential for the design within the range allowed by the total area.
- The name of the space on the area chart cannot be changed, and when written in English, use the name of the space written in the English design guidelines.

(단위 : m<sup>2</sup> )

Space	Area	Space	면적
Exhibition Area	2,600	Common area	1,960
Permanent Exhibition space	2,000	Main Entrance Hall/Lobby	180
Special Exhibition space	450	Auxiliary hall	200
Exhibition preparation room	150	Orientation room	50
Collection storage area	1,205	Toilet/Corridor/E.V./Stairs, etc.	1,580
Storage	950	Education area	675
Storage support	255	Children's Experience Room	200
Curatorial and Administration area	1,205	Multi-purpose training room	300
Director's office	35	Experiential learning room	130
Planning and Administration Office	140	Training preparation room	45
Curator lab	160	Convenience area	290
Education Lab	100	Cloakroom	20
Library	70	Infirmary	20
Storage 1	40	Nursery room	20

Storage 2	40	Concierge's office	20
Meeting room	80	Volunteer room	20
Meeting room (small)	60	Cafeteria / Museum shop	190
Staff canteen and lounge	70	Support area	1,700
Conservation Science Lab	150	Central Control room	60
X-ray room (including control room and dark room)	40	Disaster Prevention room	30
Chemicals Processing room	45	Security Management Office	40
Chemicals storage	15	Mechanical air conditioning room (including fire extinguishing agent room)	900
Washing room	30	Electrical room (including generator room)	500
Photo room (including shooting room and dark room)	50	Service staff room	20
Fumigation room	30	Sanitation staff room	15
Relic storage room	50	Service/sanitation staff shower room (male/female)	20
		Service/sanitation staff toilet (male/female)	15
		guard room	30
		Security office (main gate post)	20
Total (reservoir and PIT are separate)			9,635

## IV. Types of submissions and standards

### 4-1 Submission Documents

- Online Submission
  - Four (4) Drawing Panels (jpg)
  - 3d Modeling file (skp) and CAD file (dwg)
  - Form 4. Outline, Area table, Law review document, and total estimated construction cost statement file (xlsx)
  - Scanned Documents (pdf)
  
- Submission in person
  - Drawing panels (four pages of A1)
  
- List of Scanned Documents
  - Competition registration form (download from homepage)
  - Form 1. Representative appointment form (when the participant is one of the co-representatives of his/her company)
  - Form 2. Joint application agreement (when applicable)
  - Form 3. Pledge (1 copy per applicant)
  - Copy of a business registration certificate (1 copy per applicant)
  - Copy of Architect License (1 copy per applicant)
  - Confirmation of the establishment of an architectural office by the representative (domestic, 1 copy per applicant)
  - Copy of a business registration certificate (domestic, 1 copy per applicant)
  
- File name and production method (when PIN number is AA000)
  - All submission files are written as a single compressed file with the name of "AA000.zip".
  - Various scanned documents are combined into one PDF file under the name of "AA000.pdf", and the order of each document follows the table below.
  - All image files should be JPG, and the resolution should be 300 dpi.

Compressed file	Individual files	Contents
AA000.zip	AA000_1.jpg	Panel #1 image (300dpi, jpg)
	AA000_2.jpg	Panel #2 image (300dpi, jpg)
	AA000_3.jpg	Panel #3 image (300dpi, jpg)
	AA000_4.jpg	Panel #4 image (300dpi, jpg)



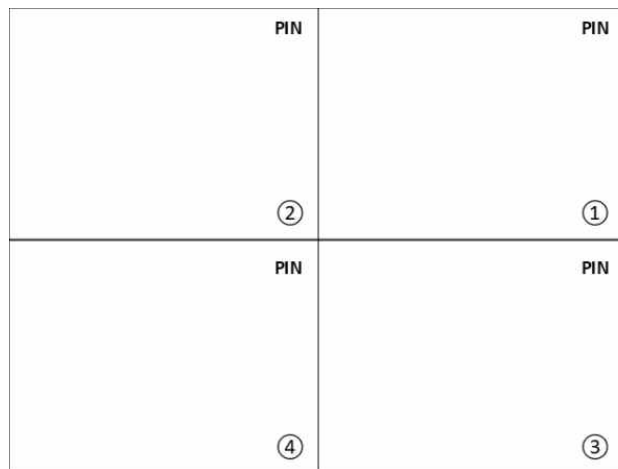
	AA000.skp	3d Modeling file (skp)
	AA000.dwg	Master plan, Floor plans, major sections in one file
	AA000.xlsx	Form 4 in xlsx
	AA000_doc.pdf	canned documents (combined pdf)

#### 4-1 Submission Instructions

- General Instructions
  - All submissions are free from restrictions on expression and use of color.
  - A graphic scale must be inserted in all drawings, and drawings of the same type must be drawn in the same scale.
  - The direction of the plans should be drawn in the same direction as the plans of the provided material.
  - The floor plans should be drawn at 1:300.
  - Materials must be specified on the elevation drawing.
  - As two foreign jurors participate in the review, the submitted panels must be written in Korean and English or in English alone.
  - The area and name of the space must be marked on the drawing and must be the same as the name on the area table. In English, the name of the space written in the English guideline should be used.
  - Violations of the above matters, including the act of arbitrarily adjusting the size of buildings and sites represented in the drawings for image effect, are reported to the judging committee, and the judging committee may decide whether to drop out.
  
- Drawing Panels
  - Drawing panels should be prepared on four (4) A1 (841 x 594 mm) size sheets of paper, presented in landscape. Each panel must be mounted on a 10mm-thick form board without a border and are to be configured as shown in the figure below.
  - The PIN and panel number should be written on the back only, as shown in the figure below.
  - Each panel includes the following content, and other configurations are freely expressed.
    - Panel 1: Bird's eye View
    - Panel 4: Technical designs

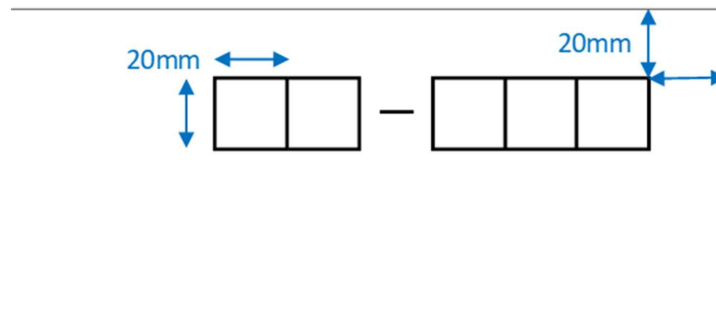


[Front]



[Back]

- PIN Numbering of Panels
  - Provide a space for the Personal Identification Number (PIN) in the upper right corner on the back of each panel, as shown below, and carefully write down the numbers.



[PIN numbering (back side of the panel)]

#### 4-2 Directions for the presentation material (2nd stage)

- Presentation materials must be produced in mp4 format video (FHD, 1920X1080), but only materials within the submitted design plan can be used and narration by one presenter can be added.
- Only the contents of the panel can be explained with narration, and other explanations that do not explain the contents of the panel or that correct the contents of the panel cannot be included.
- Existing data can be enlarged/reduced, cropped, and rearranged, but correction and addition of text graphics, replacement, editing, and transformation of images are not allowed. Violations may result in disqualification.
- It is impossible to express any additional effects that are not related to the design content, such as building animation, sound effects, and background sound.
- Screen change, animation for enlarging/reducing the existing panel image, arrows or dots to indicate the position of the cursor, and basic figures to indicate the area are available.
- The running time of the video should be less than 10 minutes.
- Any element that violates the anonymity rule cannot be included, and violation may result in disqualification.
- If the narration language is English, Korean captions should be added, and if Korean, English captions should be added at the bottom of the video.

#### 4-3 List of materials provided

- Project Boundary Map
- Cadastral Map
- Site photo and video material
- Geotechnical Survey Report
- Forms