



**CIC
BIM
Competition
2020**

**Tertiary Student
Category**

We organise a competition to promote the practical use of BIM through collaborative and competitive learning approach.

CIC BIM Competition 2020 Competition Design Brief

Version R1

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Version Control

Version	Description	Date
R1	Section 3.12 is added	26 March 2020

1. General Brief

- 1.1 The CIC BIM Competition 2020, refer as the “Competition”, is organised by the Construction Industry Council (CIC), located at 38/F, COS Centre, 56 Tsun Yip Street, Kwun Tong, Kowloon, Hong Kong.
- 1.2 This document contains the design brief, competition detailed requirements, submission deliverable requirements, guidance, assessment scoring criteria, terms and conditions defined for the Competition. While awards and prizes are to be confirmed.
- 1.3 All the information is meant for the use of this sole Competition only and shall not be used for reference in actual design nor construction project in future, if any, for the particular site.
- 1.4 The CIC shall not be held liable for any consequences, losses or damages which may arise or result from any misuse by any parties or reliance made on its information for any purposes in future.

2. Introduction

2.1 Background

The Competition aims to continue to draw attention from the industry, and encourage collaboration on Building Information Modelling (BIM) adoption. Participants will be given project design requirements to develop a **Student Hostel**.

2.2 Objective

To promote the practical uses of BIM through collaborative and competitive learning approach among tertiary students in construction related disciplines.

2.3 Eligibility

- 2.3.1. The Competition is only eligible to full-time tertiary (post-secondary) students in forming up a team of 3 to 5 members, with students from minimum 2 construction disciplines. (Refer to Section 8.1 – Registration)
- 2.3.2. There is no limit to the number of team from each institution.

2.4 Competition Schedule

Date	Activities
Oct 2019	Open for Registration
Oct 2019 – Nov 2019	CIC BIM Competition 2019 Exhibition at Campus
26 Oct 2019 (Sat)	Competition Briefing and Seminar
Oct 2019 – Apr 2020	Online BIM Software Trainings
Oct 2019 – May 2020	BIM Mentoring Support
16 Nov 2019 (Sat)	CIC BIM Competition 2019 Awardees Sharing Session
18 Jan 2020 (Sat)	Competition Briefing and Seminar (content is identical to the session on 26 Oct 2019)
1 Mar 2020	Deadline for Registration
Feb 2020 – Apr 2020	Hands-on BIM Software Trainings
1 Jun 2020 (12:00nn)	Submission Deadline for 1 st Round Competition
8 Jun 2020 (Mon)	Judging Panel selects teams for 2 nd Round Competition
12 Jun 2020 (Fri)	2nd round onsite competition (9:00am-9:00pm) (Finalists being selected to compete onsite within 12 hours)
13 Jun 2020 (Sat)	2nd Round Onsite Competition am: Team presentation to judge pm: Award Presentation Ceremony

3. Design Brief, Competition Details and Requirements

3.1 Use of Design Brief

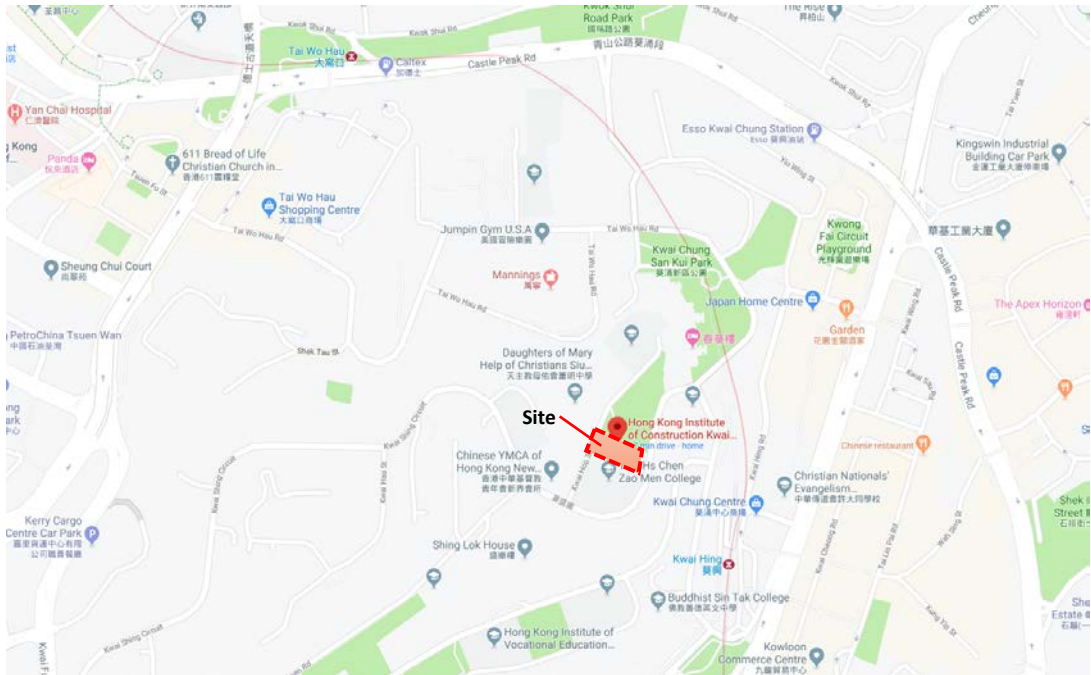
This design brief is intended for the competition only, and shall not be allowed for releasing, publishing and use for other intention.

3.2 Competition Design

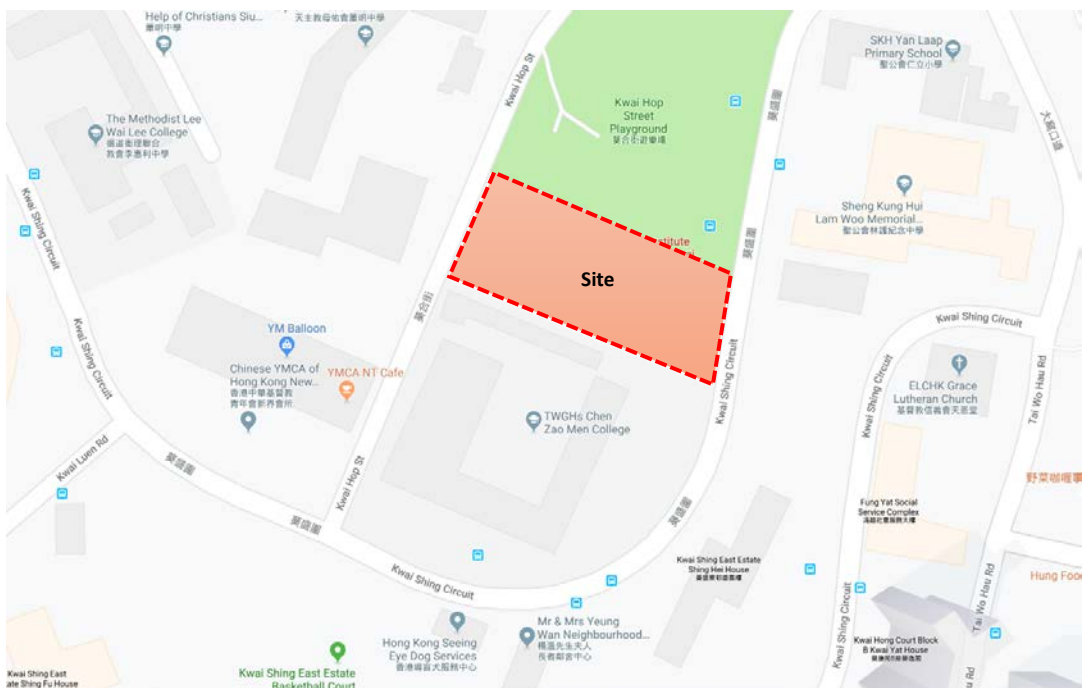
In view that there will be a construction of a post-secondary academic institute which will deliver construction related education in the region, this project is to design a student hostel to provide dormitory space for the institute. The project includes about 200 single dormitory rooms, a multi-function indoor sports hall to house sport activities and other performance, pantry with kitchen facility, lounge with free sitting spaces, canteen, facility management office, hygienic and clinical facilities, E&M rooms, car parking spaces, loading/ unloading area, and landscape area.

3.3 The Site

An imaginary site is reference to current location with modification of the Hong Kong Institute of Construction Kwai Chung Campus, No. 7-11, Kwai Hop Street, Kwai Chung, Kowloon. Site area is approximately 3,460m². (Approximately 48 metres x 72 metres)



Location Plan (Source: Google Maps)



Enlarged Location Plan (Source: Google Maps)

Successfully registered participants will be provided with 2D CAD drawing in .DWG format indicating the site boundary and the basic layout of the site surrounding context.

3.4 Design Challenges

Participants are required to demonstrate the accomplishment of below design challenges:

- 1) Compliance to spatial requirement (refer to Section 3.5)
- 2) Innovative design through collaboration (refer to Section 3.6)
- 3) Creative BIM uses (refer to Section 3.7)
- 4) Modular Integrated Construction (refer to Section 3.8)
- 5) Passive building design (with results to demonstrate in BIM, refer to Section 3.9)

3.5 Spatial Requirement

The spatial & provisional requirements are required as follows:

Space / Facilities	Area m2, not exceeding $\pm 10\%$ variation	Qty	Features / Provisions
Single Student Room with toilet to add	6.5 3.0	200	<p>Architectural provision: It is suggested to have one unit as “show flat”, to design with fully finished with provisions, e.g. bed, bedside table, desk with drawers, wardrobe, chairs, bookshelves, etc. Toilet includes WC, basin, shower and shelf.</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting with promoting use of daylight, A/C provision (centralised or split type), sprinkler system, plumbing (including heated water supply) and drainage system, power and gas supply, and mechanical ventilation for toilet.</p>
Guest Room with toilet to add	12 5.0	20	Same as above with double bed. It is suggested to have one unit as “show flat”, to design with fully finished with provisions
Pantry Facilities	50	-	<p>Architectural provision: Pantry facilities one on each floor with necessary provision, for example oven, microwave, cooker, refrigerator, sink etc. for light cooking. Space to furnish with cupboard, table and chairs.</p> <p>Structural provision:</p>

Space / Facilities	Area m2, not exceeding ±10% variation	Qty	Features / Provisions
			<p>To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting with promoting use of daylight, sprinkler system, plumbing (including heated water supply) and drainage system, power and gas supply, and mechanical ventilation. Natural ventilation is also required in this area.</p>
Canteen	400	1	<p>Architectural provision: Dining and kitchen facilities, for example, provision of food preparation, wash up, servery, display and point of sale, staff change room and store</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting with promoting use of daylight, sprinkler system, plumbing (including heated water supply) and drainage system, power and gas supply, and mechanical ventilation for food preparation space. Natural ventilation is required in servery and dining area.</p>
Common Areas	50	-	<p>Architectural provision: One on each floor with facilities include television and sofas, vending machine for snack & drink, photocopying machine.</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting with promoting use of daylight, sprinkler system, power supply. Natural ventilation is required.</p>
Laundry Room	40	3	<p>Architectural provision: Washing machines and dryers, seating.</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision:</p>

Space / Facilities	Area m2, not exceeding $\pm 10\%$ variation	Qty	Features / Provisions
			Artificial lighting, sprinkler system, plumbing (including heated water supply) and drainage system, power and gas supply, and mechanical ventilation.
Cleaner Room	6	-	<p>Architectural provision: One on each floor for storing cleaning material</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting, plumbing (including heated water supply) and drainage system, power supply and mechanical ventilation.</p>
Refuse Collection	6	1	<p>Architectural provision: Refuse containers and recycle storage bins</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting, sprinkler system, plumbing and drainage system, power supply. Natural ventilation is required.</p>
Reception	200	1	<p>Architectural provision: Reception, foyer gathering & lounge seating area, small exhibition area.</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting with promoting use of daylight, sprinkler system, power supply. Natural ventilation is required.</p>
Management Office	80	1	<p>Architectural provision: Office facility, for example, provision of working desks, file cabinets, chairs, and bookshelf.</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p>

Space / Facilities	Area m2, not exceeding $\pm 10\%$ variation	Qty	Features / Provisions
			<p>Building services provision: Artificial lighting with promoting use of daylight, A/C provision (centralised or split type), sprinkler system and power supply.</p>
Medical Room	10	1	<p>Architectural provision: For emergency treatment with first aid facility</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting, A/C provision (centralised or split type), sprinkler system, plumbing and drainage system, power supply.</p>
Parking Space Loading & unloading dock	-	20	<p>Architectural provision: Parking provisions for staff and visitors including facilities for disabled residents</p> <p>Structural provision: To accommodate architectural layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting, drainage system, power supply. Sprinkler system and mechanical ventilation to be required for indoor type.</p>
Landscape Area	*	*	<p>Architectural provision: Planting areas, roof garden, vertical planting, outdoor seating areas</p> <p>Structural provision: To accommodate landscape layout, usage and suit general structural requirement.</p> <p>Building services provision: Artificial lighting, plumbing and drainage system (with water point), power supply.</p>
Sports Hall	-	1	<p>Architectural provision: Sports Hall (Four badminton court hall) for indoor volley ball, basketball, badminton, etc., ensure correct ceiling height for each court activity Gymnasium with fitness facilities Foyer / Spectator Area</p>

Space / Facilities	Area m2, not exceeding ±10% variation	Qty	Features / Provisions
			Change room / Toilets / Showers Store Room for storage sporting equipment (About 10% of the Hall Area) Structural provision: To accommodate architectural layout, usage and suit general structural requirement. Building services provision: Artificial lighting, A/C provision (centralised or split type), sprinkler system, plumbing (including heated water supply) and drainage system, power and gas supply, and mechanical ventilation for change room / toilets / showers.
Plant room	*	*	Architectural provision: To house major plants, equipment, mains, etc., of various building services systems. Structural provision: To accommodate architectural layout, usage and suit general structural requirement. Building services provision: Artificial lighting and mechanical ventilation. Selection of type and sizing of system equipment to cater designated number of occupancy and to suit.
Core & Lobby	*	*	Architectural provision: Staircases (including exit staircase), lifts, lobby. Structural provision: To accommodate architectural layout, usage and suit general structural requirement. Building services provision: Artificial lighting and sprinkler system. Natural ventilation is required in this area.

Asterisk (*) means as appropriate

Maximum allowable variation of the above spatial requirement is limited to ±10%.

3.6 Innovative Design through Collaboration

Innovative design through collaboration requires the participants to demonstrate how they collaborate to design with the adoption of BIM tools and process. The participants shall generate the design through maximizing usage of BIM.

3.7 Creative BIM Uses

In this competition, CIC aims to promote the power of BIM as an effective design, collaboration and integrated review tool in achieving better design quality. Uses of BIM in the Competition are listed in the followings (refer to CIC BIM Standards – General (August 2019) (<https://www.bim.cic.hk/Upload/publication/68/download/1/64971e87240748b5b4c2b14d017e1793.pdf>)):

- 1) Design authoring of core disciplines/ building systems
 - Possible use of generative design in BIM
 - Explore design options and optimise design resolution
- 2) BIM-based study on environmental impacts to the site and building design, and passive building design in addressing such impacts
- 3) Space layout and programming
- 4) Engineering analysis (optional and will be defined as advanced BIM use)
- 5) Digital Fabrication
 - Modular Integration Construction (MiC)
 - DfMA (Design for Manufacture and Assembly)

Participants are required to adopt any other BIM Standards and Guidelines published from the CIC from time to time and are encouraged to make best use of the BIM Objects available from CIC's BIM Portal (https://www.bim.cic.hk/en/resources/bim_objects) whenever possible.

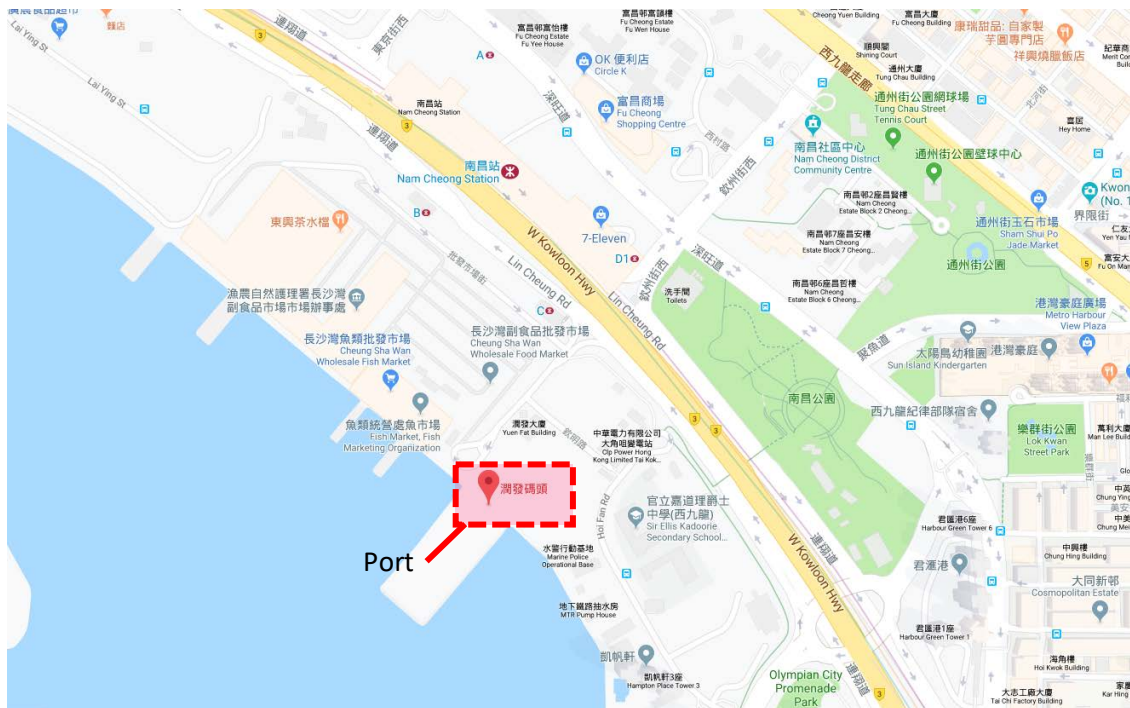
3.8 Modular Integration Construction (MiC)

Modular Integrated Construction (MiC) is an innovative construction method. By adopting the concept of “factory assembly followed by on-site installation”, MiC helps to ease some of the current challenges faced by the local construction industry. In this method, free-standing integrated modules (completed with finishes, fixtures and fittings) are manufactured and assembled in a factory. By transferring on-site construction processes to a controlled factory environment, buildings can be substantially completed off-site. The adverse impacts of weather conditions, scarce labour resources and site constraints can all be substantially reduced. MiC provides a great degree of production quality control, and can improve construction productivity, safety and sustainability.

Participants are recommended to consider adopting MiC technology for building elements. Following elements are required when MiC is being applied:

- 1) 4D modelling: to demonstrate buildability and transportation logistics of MiC design, through the use of 4D BIM construction simulation and spatial requirement (will be defined as advanced BIM use)
- 2) Logistic planning: to identify critical junctions during the process of modules transportation from the port to the site, through routing study/investigation.

An imaginary Port is Yuen Fat Wharf which is located at the West Kowloon reclamation area.



Location Plan (Source: Google Map)

Reference videos can be obtained via following links:

- 1) *MiC Display Centre by CiC at ZCP, Kowloon Bay*
<https://www.youtube.com/watch?v=z2NvUIFoYy8>
- 2) *UB Crowne Plaza Extension at Singapore Changi Airport (Project Time Lapse)*
<https://www.youtube.com/watch?v=NjGSNLB7nu4&t=105s>
- 3) *3D Animation of Modular (Pre -Fabricated) Building Manufacturing and Assembly*
https://www.youtube.com/watch?v=R_e00tOf3o

3.9 Passive building design

Below is a reference of measures in addressing passive building design. Analysis and illustration utilising BIM model for the proposal passive building design elements should be demonstrated:

- 1) Building massing design
- 2) Building orientation and building openings
- 3) Basic selection of building materials
- 4) Application of building elements like sun shading devices, brise-soleil, wind catchers, etc.
- 5) Other means of passive building design

3.10 Use of BIM Software and Platform

There is no preference of specific BIM software or BIM platform in this competition. However, participants are encouraged to use appropriate BIM software for their design. When sharing the models, participants need to consider the following challenges, like:

- 1) Data compatibility and interoperability between BIM software
- 2) Model sharing method
- 3) Data access and security control
- 4) Version control

Participants are required to provide a list of software (with version) they use for this Competition.

3.11 Open BIM Approach

Participants are welcomed to consider Open BIM approach for cross BIM software collaboration. Reference can be made to the Industry Foundation Classes (IFC) data. IFC is a platform neutral, open file format specification that is not controlled by a single BIM software. It is an object-based file format with a data model developed by buildingSMART International to facilitate interoperability in architecture, engineering and construction (AEC) industry, and is a commonly used collaboration format in BIM based projects.

3.12 Other Relevant Design Information

The following relevant design information shall be referred as part of the design requirements:

- 1) For the Outline Zoning Plan, please refer to Kwai Chung Outline Zoning Plan, *OZP No. S/KC/29*.
- 2) For MTR Protection Zone, please refer to MTR internet at https://www.mtr.com.hk/en/corporate/operations/protection_boundary.html
- 3) Emergency Vehicular Access (EVA) – Code of Practice for Fire Safety in Buildings – Buildings Department; Cap. 123F Building (Planning) Regulations 41D Emergency Vehicular Access.
- 4) Car Parking Provisions: The parking provision should follow the recommendation of Hong Kong Planning Standards & Guidelines (HKPSG) and the Transport Planning & Design Manual (TPDM).
- 5) Loading & Unloading arrangement – Buildings Department PNAP No:APP111- Design of Car Parks and Loading / Unloading Facilities.
- 6) Traffic Noise – The proposed design should comply with the noise standard stipulated in the HKPSG and the guideline published by the Environmental Protection Department.

4. Submission and Deliverable Requirements

4.1 Round 1 - Online Submission

1) Presentation slide

- The slide shall document the followings:
 - Design concept and approach to site/ building design issues
 - Compliance of spatial requirement with justification by the use of automatic area calculation in BIM software
 - Collaboration across multi-disciplines design in BIM platform
 - Creative BIM uses
 - Modular Integration Construction (MiC)
 - Passive building design being adopted, and justification through daylight study, solar shadow study, (optional: energy model and analysis, natural ventilation simulation as advanced BIM use), etc.
 - Information of team organisation, division of work, list of BIM software used (with version) & platform for collaboration, diagram to illustrate the data transfer among various BIM software , etc.
- Maximum 20 pages in English;
- PowerPoint slides in .ppt or .pptx formats. Please refer to the Template provided (Document: CIC_BIM_Competition_2020_Submission_Slide_Template.pptx).

2) Poster

- The poster should identify the key points in design and how BIM is applied in design process collaboratively to achieve design challenge.
- 4 nos. of A1 size and portrait orientation layout in English.
- Minimum resolution 200 dpi.
- Electronic format in .jpg or .png.
- Please refer to the Template provided (Document: CIC_BIM_Competition_2020_Submission_Poster_Template.pptx).

3) Video

- To demonstrate BIM implementation in design visualisation (walk-through with material indication), disciplines BIM coordination process, creative BIM uses and passive building design.
- Maximum 2.5 minutes.
- Electronic format of video in .avi or .mpeg format, with or without voice over, sub-titles and music.

4) Native BIM Data

- Native BIM data, file or aggregate of files.

- BIM models shall include all geometries, building and element information, views, images, area schedules (to show the comparison of schedule of area between requirements and proposed design).
- 5) Scripting (optional)
- To showcase computational design, engineering, analysis and optimisation, which will be defined as one of the advanced BIM use.
 - A verifiable script in Dynamo, Grasshopper, Generative Component or other computer language scripting applied.

4.2 Round 2 - Onsite Competition Format

- 1) To incorporate CIC's design changes in onsite competition, such design changes requirements and details will be announced on the day of Round 2 competition;
- 2) Onsite update of models and production of required output (including presentation slides) in 12 hours (9:00 am to 9:00 pm) on 12 Jun 2020 (Fri);
- 3) Presentation will be held on 13 Jun 2020 (9:00 am – 12:00 noon, Sat) and presentation sequence will base on draw lots;
- 4) A max. 20 pages PowerPoint slides in English in .ppt or .pptx format (an update on top of those to be submitted in Round 1);
- 5) 4 nos. of A1 Posters in English with at least 200dpi in .jpg or .png, layout in portrait format (an update on top of those to be submitted in Round 1);
- 6) BIM models in native format, the models shall include all geometries, building and element information, drawing sheets, views, images, area schedules (an update on top of those to be submitted in Round 1);
- 7) A verifiable script in Dynamo, Grasshopper, Generative Component or other computer language scripting applied, if any, in the Competition to showcase computational design, engineering, analysis and optimisation (an update on top of those to be submitted in Round 1); and
- 8) Presentation for 15 minutes and be followed with Q&A session by panel of judges for 5 minutes.

4.3 Online Submissions

- 4.3.1. Registration will be opened until 1 Feb 2020 (deadline for registration), unless waiver granted by the CIC. Successful registration will be notified via email by the CIC.
- 4.3.2. For submission, Participant is required to self-create a Google account and store the requested deliverables (refer to Section 4.1) in the Google Drive, and email the shared Google Drive link by 1 Jun 2020 (12:00nn HK time) to bim@cic.hk.

5. Guidance and Support

- 5.1 Competition Briefing and Seminar
 - Date: 26 Oct 2019 (Sat) and 18 Jan 2020 (Sat)
(Content of both sessions is identical)
 - Venue: CIC BIM Space, 29/F, Tower 2, Enterprise Square Five (MegaBox), 38 Wang Chiu Road, Kowloon Bay

- 5.2 Online BIM Software Trainings
 - Period: Oct 2019 – Apr 2020
 - Introductory knowledge of BIM Software being covered
 - Autodesk REVIT (Architecture, Structural & MEP)
 - Autodesk BIM 360
 - Fuzor
 - Graphisoft ArchiCAD
 - IESVE
 - Scripting
 - Tekla Structures
 - Other software
 - Training will only be arranged for participating teams

- 5.3 Hands-on BIM Software Trainings
 - Period: Feb 2020 – Apr 2020
 - Exact dates of training to be confirmed
 - BIM Software being covered
 - Autodesk REVIT (Architecture, Structural & MEP)
 - Autodesk BIM 360
 - Fuzor
 - Graphisoft ArchiCAD
 - IESVE
 - Scripting
 - Tekla Structures
 - Other software
 - Training will only be arranged for participating teams

- 5.4 Mentoring support
 - Period: Oct 2019 – May 2020
 - Mentors from CIC Certified BIM Manager (CCBM) and HKIBIM Professional Member
 - Mentoring support will only be arranged for participating teams

6. Assessment Scoring Criteria

Scoring Criteria	%
1st Round	
Compliance to Design Information	25
BIM Uses in Design, Collaboration, Engineering, Analysis and Optimisation	25
Creativity, Innovation & Technologies	25
Communications Skill	25
TOTAL	100
2nd Round (On-site competition)	
1 st round score	20
Compliance to Design Information, Flexibility & Responsiveness	30
Collaboration & Teamwork	20
Communications Skill	20
Creativity, Innovation & Technologies	10
TOTAL	100

7. Awards and Prizes

Prizes	
First Prize	Plaque + Certificate A Chance to Participate in an Overseas BIM Event Participate in Award Sharing Session(s)
Second Prize	Plaque + Certificate
Third Prize	Plaque + Certificate
Max. 6 Merits	Plaque + Certificate
All	E-Certificate of Participation E-Certificate of Attended Training & Seminar

8. Terms and Conditions

By participating in the Competition, each team shall make a registration to participate in the Competition, refer as the “Participating Team”, and each Team Member unconditionally accepts and agrees to comply with and abide by the Terms and Conditions in the Design Brief and the decisions of CIC, which shall be final and binding in all respects.

8.1 Registration

- 1) No registration fee is required. The registrants are solely responsible for their own expenses in preparing all submissions and deliverables.
- 2) Eligibility: The participants shall be studying a full-time undergraduate or postgraduate program in a registered tertiary institution in Hong Kong as of the 31 January 2020. For overseas students, only of those who hold a valid Hong Kong Identity card is eligible for the participation. There is no limit to the number of participating team to register this competition.
- 3) Each Participant is restricted to joining 1 team for the competition only.
- 4) Each Participating Team shall have 3 to 5 members (including the team leader), with students from minimum 2 construction disciplines (including, but not limited to, Architecture, Civil/Geotechnical Engineering, Building Services Engineering, Environmental Engineering, Surveying, Construction, Building and Real Estate, Urban Planning and other construction related disciplines).
- 5) The staff of the CIC and their families are not allowed to participate in the Competition.
- 6) Each Participating Team is encouraged to attend the briefing, online training and hands-on trainings, if any, organised by the CIC or its representative or supporting organisations.
- 7) The Participants are required to update the CIC for replacement or update on members and to submit the new name list latest by the deadline for registration.
- 8) Only the registered team members who completed the full submissions to the Competition are qualified to receive the electronic certificates of participation.
- 9) The CIC has the final decision on the eligibility of the participants and reserves the right to reject any Participant who does not meet the eligibility criteria.
- 10) The CIC reserves the final decision on the Competition and has the right to cancel and/or modify any terms and conditions at any time in the Competition without prior notice.

- 11) The CIC reserves the final decision on the Competition and has the right to cancel or change the awards and other arrangements for the Competition without prior notice.
- 12) The participants shall bear full legal and related responsibilities arising from any possible breach of intellectual property rights in respect of their registration and competition, and shall indemnify the CIC and other concerned parties against any claims and liabilities arising from any such breach.
- 13) All participants who submit registration to the Competition, agree to assign the intellectual property rights of their designs to the CIC on promotion, exhibition, demonstration and training purposes both locally and internationally.
- 14) If a participant is found to have disposed to a third party, such as by assignment, transfer or provision as security, or is making registration procedures, etc., for all or any part of the intellectual property rights or any other rights concerning the submitted registration after the submission, the submission will be made invalid.
- 15) All works must be original works of the participant. The registration will not be shown in other competitions or published. Participants are required to indicate that they are not infringing upon the rights (including design rights and copyright) of the submission.
- 16) Any teams are subject to investigations regarding originality and eligibility for Intellectual Property Rights, design rights or copyright registration. If they do not comply with the requirements, the CIC has the sole discretion to disqualify and forfeit the prizes involved without any liability to the selected participants or any other persons, and other Participating Team may be selected as the winner.
- 17) Participants are required to agree to the CIC's publication of their name and authorise the CIC to collect, process and use their personal data for the event's liaison and promotion. All materials are kept strictly confidential except for the above purposes.
- 18) If any participant provides incorrect, incomplete or inaccurate information, or violates any registration terms or conditions of the Competition, the CIC has the final decision to cancel such participant's qualifications and reserves the right to withdraw the relevant awards.

8.2 Pre-Competition

- 1) The Participating Teams shall complete the Competition at their own premises for the first round.

- 2) For the second round, the Participating Teams shall bring along their own computers and software, they are advised to take all necessary precautions to ensure that the Competition areas, equipment and machines are safe for use by the team members. The CIC shall not be held responsible for any accidents, damages or mishap that may happen to the Participants during the Competition.
- 3) Participants may use any BIM authoring software or tools. It is recommended that the BIM authoring software or tools and other supporting analysis / simulation software or graphic and presentation tools for the Competition to be Open BIM compliant including the support of import and export files in Industry Foundation Classes (IFC) format.
- 4) Participants will be notified through email if any changes incurred on submission or presentation time and venue.
- 5) The event will be cancelled if a No. 8 typhoon signal or above is hoisted or the black rainstorm warning signal is raised three hours prior to the original start time of the event. The event will be then re-scheduled to the next available date.

8.3 During Competition

- 1) All Participants must comply strictly with all terms and conditions of the Competition defined by the CIC. The Judges and CIC reserve the rights to disqualify any Participant if he/she suspects, in its sole discretion, that the Participant did not follow any terms and conditions.
- 2) Failure by the Participant to comply with instructions given by the Judges or CIC, or Participants caught in cheating and not producing genuine works, may also incur loss of score. Continuous violation of any terms & conditions, may result in suspension or termination from the Competition.
- 3) The participant shall report to the CIC / Judges as soon as possible, if any grievances. Appeals after the Competition will not be entertained. The Judges' decision shall be final.
- 4) Any participants from the shortlisted team must inform the CIC as early as practicable if he/she could not participate on the day of the second round competition.
- 5) No replacement of any team member is allowed due to whatever reasons. The same full team shall participate the second round competition for the best result however, minimum one member of a team can still proceed the second round competition.
- 6) The participants shall bring along their own computers with all necessary software and tools with legal licenses to the competition venue for the completion of the competition.

- 7) Any illegal stuffs such as un-authorized software licenses are prohibited. The competition venue with power supplies and power extension cord will be provided by the CIC. Internet connection will not be provided by the CIC for the second round competition. The participants shall arrange and provide their own internet connection if there is a need.

8.4 Assessment and Judging

- 1) The submissions are assessed based on the assessment scoring criteria.
- 2) The results of the Competition will be decided by judging panel and are final. There is no mechanism to appeal or object.
- 3) The judging panel will be composed of representatives of the CIC and the industry BIM experts.
- 4) The panel of Judges shall abstain from evaluating a team where there may be conflict of interest issues. In such a case, the chief judge to be elected by the panel shall make the final decision.
- 5) Assessment shall not be done in the presence of the Participants.
- 6) If any stated prizes are unavailable, the CIC reserves the right to substitute one or more items, in its sole and absolute discretion. No prize is exchangeable, transferable, or redeemable for cash.

8.5 Post-Competition

- 1) All submissions will not be returned, and the participant agrees to authorise the CIC to modify, use, reproduce, publicly display or display the registration on the Internet or other media for promotional purposes without prior obtaining the participant's agreement or pay royalties to them.
- 2) The CIC shall retain and hold exclusive rights for promotion, exhibition, demonstration and training purposes both locally and internationally. The exclusive rights include Intellectual Property rights, Design rights, Patent, Trademark, Copyrights, media rights, overall deliverables, including but not limited to the BIM models, posters, reports, multimedia, scripts, materials and projects created and submitted for the competition.
- 3) All decisions made by the CIC and Judges are final. No correspondence or appeals shall be entertained.
- 4) The top three prize winners and the merit winners may be invited for joining in CIC's coming events and activities.

~ THE END ~