

By post and by email at sinkla@archsd.gov.hk

25 March 2022

Mr Alan SIN
Assistant Director (Property Services)
Architectural Services Department
7/F, APB Centre
9 Sung Ping Street
Hung Hom, Kowloon

Dear Mr SIN

**Views from The Hong Kong Institution of Engineers
Regarding the General Specification for Building 2022 Edition**

On behalf of the Institution, I am pleased to present to you our views and suggestions as set out in the enclosure for your consideration on the captioned subject.

The Institution welcomes the opportunity to work with the Government and offer our expertise and experience on the area of concern if and when it is needed.

Thank you.

Yours sincerely



Davis WONG (Mr)
Director

Enc

CKH/DW/SS

Enclosure

**Views from The Hong Kong Institution of Engineers
Regarding the General Specification for Building 2022 Edition**

In response to Architectural Services Department (“ArchSD”) General Specification for Building 2022 Edition (“GS2022”), The Hong Kong Institution of Engineers (“HKIE”) welcomes the new dedicated section for modular integrated construction (“MiC”), given the conspicuous advantages and the expanding use of this construction method. The HKIE would also like to provide the following views and suggestions regarding the GS2022 for the ArchSD’s consideration:

2. In reference to Clause 27.02 *Contractor’s responsibilities*, the HKIE agrees to the employment of MiC designers for architectural, structural and building services works for the design and supervision of off-site production and on-site installation of the MiC works. In terms of the professional qualification and responsibilities to be required for MiC/MiMEP designers for building services works, we suggest a level similar to that for MiC designers for architectural and structural works be considered. It is further recommended that the duties and requirements of MiC building services designers be detailed in the GS2022 to provide clear references for practitioners.
3. Under Clause 27.07 *Provision of drawings calculations and submissions*, we suggest specifying that combined or integrated architectural/structural/building services installation drawings in 3D/BIM format should be submitted prior to the fabrication of modules. In addition, considering the time required for clearances from the relevant authorities with jurisdiction over the proposed off-site module construction process, administrative procedures should be put in place to facilitate the progress of the project, such as allowing off-site work and clearance procedures to proceed concurrently.
4. For Clause 27.08 *Construction method statement*, we recommended that an additional item of “Method statement and safety consideration” be included as one of the detailed method statements for construction of structural works using the MiC system.
5. Furthermore, with reference to Clause 27.20 *Inspections after pre-assembly of modules*, we suggest that the “Completion of the required MEP installation” should also be inspected after the modules are preassembled.
6. Concerning Clause 27.21 *Mock-up at prefabrication yard*, temporary utilities connections/supplies to mock-up modules, the functional and maintenance requirements including building services installations may also be included in the items to be reviewed, commented, altered and accepted. However, it should be noted that it may not be practically feasible to deliver a mock up to Hong Kong for comment in a lot of cases. Hence, we recommend that all major commenting should be done in the prefabrication factory itself, where the modules could then be modified and polished to

an acceptable level, and subsequently delivered to Hong Kong as a sample.