

香港環境卓越大獎

Hong Kong Awards for Environmental Excellence 2019

金獎 Gold Award

建造業 Construction Industry

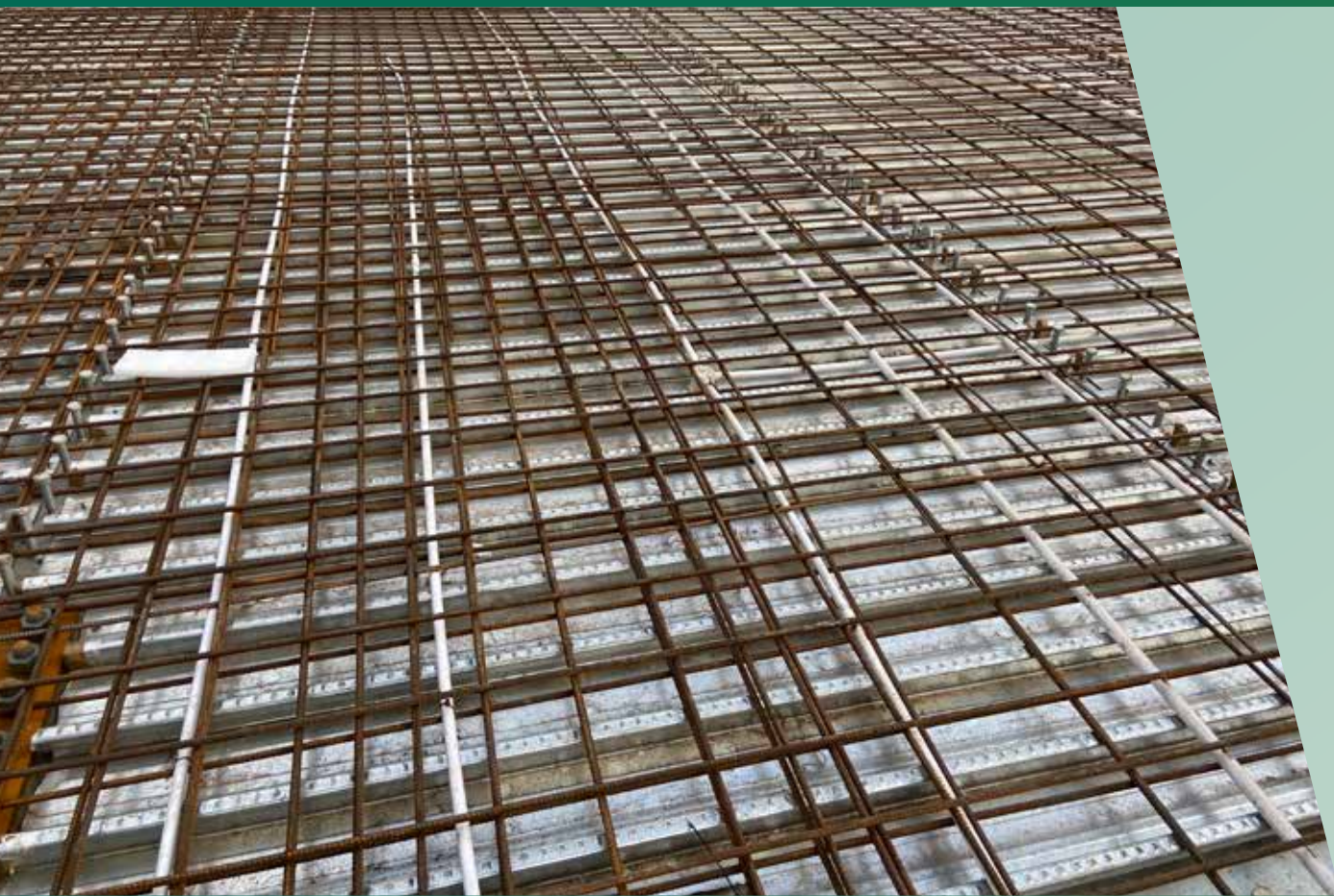


金門建築有限公司 — 香港大學沙宣道21號醫學院大樓擴建工程
Gammon Construction Limited – Main Contract for Medical Complex
Extension at No. 21 Sassoon Road for The University of Hong Kong



面對項目進行期間要保持校園如常開放的條件限制，項目團隊與大學保持緊密合作，採用寧靜及低污染的施工方法，並致力讓項目成為首個獲得綠建環評新建建築2.0版 (先導版本) 鉑金級認證的政府，機構和社區類別建築，方法包括於拆卸工程利用石矢切割機分割樓面，將混凝土廢料打拆及回收製成環保磚，回收率亦由**30%**成功提升至**60%**。

Facing the limitation of keeping the campus open as usual during the works period, the project team cooperated closely with the University, and adopted construction methods which are quiet with minimal pollution. They also target to be the first building under the category of Government, Institutional and Community attaining BEAM Plus New Buildings Version 2.0 (Pilot Version) Platinum ratings. The methods included saw cutting the slab and taking waste concrete material offsite for breaking and recycling into environmental pavers, and thus successfully increasing the recycling rate from 30% to 60%.



利用結構樓承板取代木板，並以金屬棚架代替傳統的竹棚架，以減少建築廢料。

Minimising the generation of construction waste by using Bondek steel formwork instead of timber and metal scaffolding instead of traditional bamboo scaffolding.

透過場外預製所有鋼結構，並採用螺絲和螺帽連接代替傳統桁架的焊接方法，縮短施工時間並減少廢物產生和能源消耗。

Shortening the construction time and reducing waste generation and energy consumption through fabrication of all structural steel works off-site and adopting bolt and nut connection instead of traditional welding for most trusses.



在施工過程中使用各種環保物料，如具備建造業議會碳標籤和/或PAS 2050標誌認可的混凝土、B5生物柴油和低甲醛木製品。

Using various environmentally-friendly materials throughout the construction process, such as concrete with Construction Industry Council carbon label and/or PAS 2050 verification; B5 biodiesel and low formaldehyde wood products.



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