科技工藝 持續精進



上鎧鋼鐵
SHANG KAI STEEL

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SHANG KAI STEEL

機械科技打造精湛工藝

"Building Craftsmanship Through Mechanical Technology."

自 1988 年，上鎧鋼鐵致力於提供卓越的金屬擴張網。我們符合國際標準化組織 ISO 9001：2015 品質管理系統標準，因為每一個環節都達到自我的嚴格標準。

如今，上鎧鋼鐵加倍重視服務與數據，為了提高整體競爭力，從 2017 年全面更新工廠自動化機器設備與工廠電腦化管理，自工業 2.0 邁向工業 4.0，與歐美技術並駕齊驅。透過跨國／跨界思維，積極開發高附加價值與高端差異性產品，不斷嘗試創新與研發，致力於帶給客戶絕佳體驗。

在每次密切的合作關係裡，我們的技術總能不斷突破，與之創新。現在，您可以發現上鎧鋼鐵的產品為全球信任，「信任」一直是上鎧鋼鐵的最重要的品牌價值。我們擁有豐富的經驗及完善的生產設備，致力於提供客戶高品質、高價值之產品，以高標準滿足客戶之需求！

Since 1988, Shang Kai Steel has been dedicated to providing superior Expanded Metal meshes. We conform to the ISO 9001:2015 Quality Management System standards set by the International Organization for Standardization because every stage of our production meets our own strict standards.

Nowadays, Shang Kai Steel places a greater emphasis on service and data in order to improve overall competitiveness. In 2017, we fully updated our factory's automation equipment and computerized management, moving from Industry 2.0 to Industry 4.0. Through cross-national and cross-industry thinking, we actively develop high-value-added and high-end differentiated products, constantly trying to innovate and research, committed to providing customers with an excellent experience.

In every cooperation relationship, our technology always continues to break through and innovate. Now, you can find Shang Kai Steel's products to be globally trusted. "Trust" has always been the most important brand value for us. At Shang Kai Steel, we use state-of-the-art machinery and technology to create products of exceptional craftsmanship. Our advanced equipment and skilled technicians allow us to consistently deliver high-quality products that meet the high standard of our customers!



公司簡介
Company Profile

上鎧鋼鐵股份有限公司是由**董事長林宗志先生**創立，專門從事金屬擴張網製造。公司經營理念是「誠信、品質」。我們擁有多種設備和技術，可製造板厚範圍從 0.05mm-8.0mm，不限於任何金屬材質。我們可生產各國標準擴張網，並持有 ISO 9001 品質管理系統，並有特訂品質保證制度。在台灣高端產品市場中占有率超過八成，並銷售至世界各地。

Shang Kai Steel Co., Ltd. was founded by Chairman Chung-Chih Lin and specializes in the manufacturing of expanded metal mesh. The company's business philosophy is "integrity and quality". We have a variety of equipment and technology, and can produce sheets with thicknesses ranging from 0.05mm-8.0mm, not limited to any metal material. We can produce various national standard expanded metal meshes and have an ISO 9001 quality management system and a special quality assurance system. We have a market share of more than 80% in Taiwan's high-end product market and sell our expanded metal mesh products to customers worldwide.

上鎧鋼鐵在 1998 年開始轉型，從 OEM 和 ODM 代工轉為 OBM，以滿足客戶日益變化的需求。近年來，公司重視服務和數據分析，積極推動工廠自動化和電腦化管理，從工業 2.0 轉型為工業 4.0，開發出具有高附加價值和高端差異性的產品。我們致力為客戶提供優質的產品與服務，幫助客戶在國際市場上取得佳績。

In 1998, Shang Kai Steel began its transformation journey, shifting from OEM and ODM contract manufacturing to OBM, to better meet the changing needs of its customers. In recent years, the company has placed a strong emphasis on service and data analysis, actively promoting factory automation and computerized management, and transitioning from Industry 2.0 to Industry 4.0. The company has developed products with high added value and high-end differentiation. We are dedicated to providing our customers with high-quality products and services, helping them achieve success in the international market.

經過三十多年的發展，上鎧鋼鐵的目標是「站穩台灣，深耕亞洲，放眼全球！成為高端客戶唯一指定的金屬擴張網供應商」。作為台灣產業用金屬擴張網的領導廠商，上鎧展現出卓越的技術水準，在金屬網產業鏈中扮演著重要的角色。我們將繼續追求「共好、共創、永續」，朝向更高水準的企業發展目標邁進。

After more than 30 years, Shang Kai Steel has established itself as a leading supplier of metal mesh in Taiwan, Asia and the world. The company aims to be the "Top choice for high-end customers as a supplier of Expanded metal mesh". As a leader in Taiwan's metal mesh industry, Shang Kai Steel has demonstrated its expertise and commitment to excellence. The company will continue to pursue its goal of "mutual benefit, co-creation and sustainability" and strive for even greater success in the future.

LRQA

Current issue date: 29 November 2022
Expiry date: 28 November 2025
Certificate identity number: 10484790

Original approval(s):
ISO 9001 - 29 November 2022

Certificate of Approval

This is to certify that the Management System of:

SHANG KAI STEEL CO., LTD.

No. 16 Juguang 2nd St. Daliao Dist., Kaohsiung City 831136, Taiwan

has been approved by LRQA to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 – 00038541

The scope of this approval is applicable to:

Manufacturing and sale of expanded metal and metal lath.

Luis Cunha

Area Operations Manager - North Asia & SAMEA

Issued by: LRQA Limited

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Issued by: LRQA Limited, 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES, United Kingdom

Certificate

Standard	**ISO 14064-1:2018**
Certificate Registr. No.	**CF 50543434 0001**
Report No.	**38540393 001**
Certificate Holder:	**Shang Kai Co., Ltd.** No.16, Chu-Kuang 2nd Street, Ta-Fa Industrial District, Ta-Liau Dist., Kaohsiung City, Taiwan (R.O.C.)
Site:	**Shang Kai Co., Ltd. Headquarters** No.16, Chu-Kuang 2nd Street, Ta-Fa Industrial District, Ta-Liau Dist., Kaohsiung City, Taiwan (R.O.C.)
Scope:	Verification and Validation Body: TÜV Rheinland Taiwan Ltd. - Process: Document review, interview, site visit and recalculation Based on the information we have received and evaluated that: - Programme: Voluntary - Review Criteria: ISO 14064-3:2006 - Organizational Boundary: Operational Control - Level of Assurance: Reasonable - Materiality: 5% - Global warming potential (GWP): IPCC 2013 - Base year: 2021 (2021.01.01~2021.12.31) - Inventory year: 2021 (2021.01.01~2021.12.31) - The total carbon emission is 447.309 tons of carbon dioxide equivalent (tCO_2e) - Direct emission is 65.3248 tCO_2e - Indirect emission is 381.9873 tCO_2e - 2021 electricity emissions factor not publish, the inventory use 2020 electricity emissions factor for GHGs calculation
Validity:	This certificate only reviewed the emissions data of inventory year, this certificate is not for the management systems certification. 2022-05-24

TÜV Rheinland Taiwan Ltd.
11F., No. 758, Sec. 4, Bade Rd., Taipei 105, Taiwan

This verification and validation is based on the information made available to TÜV Rheinland and the engagement conditions detailed above. Therefore, TÜV Rheinland cannot guarantee the accuracy or correctness of the information. TÜV Rheinland cannot be held liable by any party relying in acting upon this verification and validation.

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Precisely Right.

LCBA Low Carbon Construction

LCBA低碳工法標章證書

Low Carbon Footprint Building Construction Certificate of Accreditation

認證編號Certificate No: LCBA-LCC-015

申請廠商	上鎧鋼鐵股份有限公司
工法名稱	金屬擴張網外遮陽系統系列
申請人	林宗志
認證型號之減碳效益	SKA 20-33 金屬擴張網：5.4% SKA 30-59 金屬擴張網：6.0% SKA 20-28 金屬擴張網：5.2% SKA 20-55 金屬擴張網：8.8% SKA 20-143金屬擴張網：6.1% SKA 20-59 金屬擴張網：6.9% SKA 15-06 金屬擴張網：5.3%

The following construction(s) was/were submitted and identified on behalf of the client as:

Shang Kai Steel Co., Ltd

Construction Name	Expanded metal SK-Architecture Type	
Carbon Reduction	SKA 20-33 : 5.4%	SKA 20-143 : 6.1%
	SKA 30-59 : 6.0%	SKA 20-59 : 6.9%
	SKA 20-28 : 5.2%	SKA 15-06 : 5.3%
	SKA 20-55 : 8.8%	

LCBA

低碳建築聯盟
Low Carbon Building Alliance
蔡耀賢

發證日期 Certified on 2022.05.27

台灣精品獎
Taiwan Excellence Award 2023

特頒予
Presented to

上鎧鋼鐵股份有限公司
SHANG KAI STEEL CO., LTD.

具高耐風性能之建築用遮陽節能金屬擴張網
Sunshade Energy-Saving Expanded Metal Mesh for Building with High Wind Resistance
SKA Series

王美花

經濟部 部長
Minister, Ministry of Economic Affairs, R.O.C.
中華民國111年11月23日
23rd of November 2022

經濟部

潛力中堅企業
證 書

上鎧鋼鐵股份有限公司
持續專注本業，在特定領域表現傑出，具有發展為卓越中堅企業之潛力，經評選後，榮獲第5屆潛力中堅企業，特頒此證，以茲證明。

部長 沈榮津

中華民國 108 年 10 月

Certificate of Potential Taiwan Mittelstand Award

This certificate of the 5th Potential Taiwan Mittelstand Award is presented to SHANG KAI STEEL Co., Ltd. in recognition of its outstanding performance in a specific field and for its strong potential to become a Taiwan Mittelstand Award winner.

Jong-Chin Shen
Minister of Economic Affairs, R.O.C.
October 2019

NATIONAL AWARD OF OUTSTANDING SMALL AND MEDIUM ENTERPRISES

國家磐石獎證書

上鎧鋼鐵股份有限公司

參加第26屆國家磐石獎一卓越中小企業選拔，經評審委員會評審結果，榮獲國家磐石獎，特頒此證。

經濟部部長 沈榮津

中華民國全國中小企業總會理事長

THIS IS TO CERTIFY THAT

SHANG KAI STEEL CO., LTD.

IS THE WINNER OF THE
26th NATIONAL AWARD OF OUTSTANDING
SMALL AND MEDIUM ENTERPRISES

Jong-Chin Shen
MINISTER
MINISTRY OF
ECONOMIC AFFAIRS, R.O.C.

CHAIRMAN
NATIONAL ASSOCIATION
OF SMALL & MEDIUM
ENTERPRISES, R.O.C.

中華民國 106 年 10 月 31 日



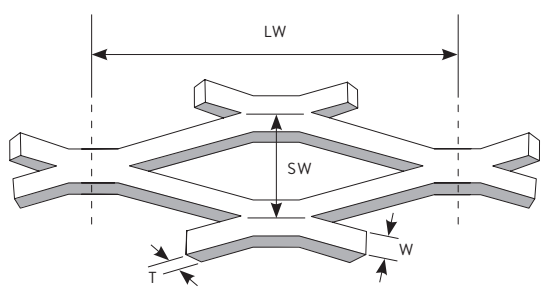


金屬擴張網

Expanded Metal

金屬擴張網是將金屬板材經由橫切和拉伸擴展，所形成規則相同的菱形網狀結構，使其具有較高的抗拉強度。由於可生產不同的金屬材質及材料耐候性高、表面處理多樣化、成品網面平整、孔徑均勻等特點，上鎧鋼鐵的擴張網能夠在各個產業中更被廣泛地使用。而現在我們對擴張網有了全新的定義，即『穩固安全』、『過濾通透』、『綠化節能』和『變化彈性』。和以往所不同的是，我們對於原料、製作環節和細節上的執著與追求，上鎧鋼鐵所生產的擴張網具有豐富的立體視覺效果，可以塑造出穿透性的美感，提升各產業產品的質感和價值，使金屬擴張網成為越來越多產業的選擇。

Expanded metal is a type of metal mesh that is made by cutting and stretching metal plates to form a regular pattern of holes. Its diamond-shaped structure gives it high tensile strength. Because of the weather resistance of different metal materials, the surface treatment is diverse, the net surface is smooth, the aperture is uniform and other characteristics, the Shang Kai Steel expanded metal can be more widely used in various industries. Nowadays, we have a new understanding of expanded metal, that is "stable and safe," "filter and transparent," "green and energy-saving," and "changeable and elastic." Different from the past, We are persistent in the material, production process, and details, and the Shang Kai Steel expanded metal has a rich three-dimensional visual effect, can shape the permeable beauty, enhance the quality of various industrial products, and make the expanded metal a more and more popular choice in various industries.



本公司另可製造上述標準以外之產品，請聯絡我們。
We can also manufacture products other than the above specifications, please contact us for details.







擴張網介紹

- SW: 菱形短邊尺寸中心之間的距離。
- LW: 菱形長邊尺寸中心之間的距離。
- LWM: 寬度 (對應菱形長邊方向)。
- SWM: 長度 (對應菱形短邊方向)。
- 厚度 : 原料厚度。
- 總高度 : 網格總高度通常是材料厚度測量值的 1-2.5 倍。
- 網條 : 是菱形邊長之寬度。
- 所有厚度、網條重量均存在 +/-10% 的公差。
- 標準尺寸 : 915 x 1830 (LWM x SWM)、
  1220 x 2440(LWM x SWM)、
  1525 x 3050 (LWMXSWM)。

材料

鋼鐵、不銹鋼、鋁、鍍鋅鋼板、電氣鍍鋅鋼板、銅、鈦、鎳、銀、金。

表面處理

熱浸鍍鋅、粉體塗裝、陽極處理、氟碳烤漆。

Expanded Metal Technical Specifications

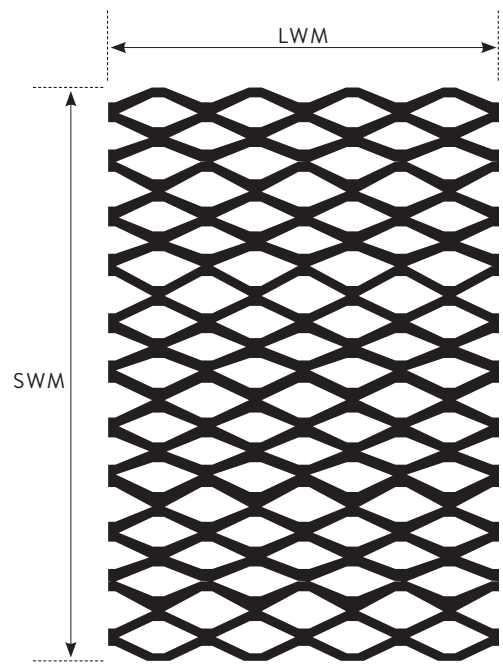
- SW: Short way Dimension of mesh.
  (Distance between centers in direction of short mesh)
- LW: Long way Dimension of mesh.
  (Distance between centers in direction of long mesh)
- LWM: Length (Long Way direction of the diamond)
- SWM: Width (Short direction of the diamond)
- Thickness: Material Thickness.
- Overall Thickness: The Overall Thickness can be as much as 1-2.5x the measurement of material thickens.
- Strand/Width: The width of diamond shape on each slice.
- All thickness, strand width and weight are subject to +/-10% tolerance.
- Standard sheet is 915 x 1830 (LWM x SWM)、
  1220 x 2440 (LWM x SWM)、
  1525 x 3050 (LWMXSWM).

Material

Mild steel、Stainless steel、Aluminium、Pre-galvanized steel、Electrical Galvanized Steel、Copper、Titanium、Nickel、Silver、Gold

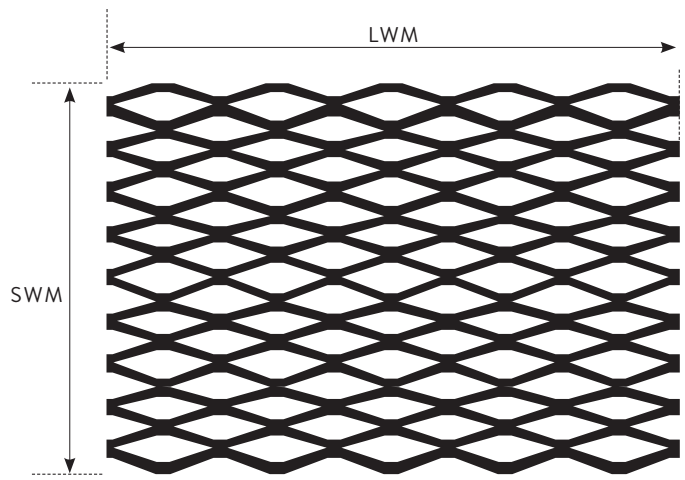
Surface treatment

Hot-dip Galvanizing、Powder coating、Anodizing treatment、Fluorocarbon coating



X 型式 /X Type

標準尺寸 Standard sheet
915 x 1830 (LWM x SWM)
1220 x 2440 (LWM x SWM)
1525 x 3050 (LWMXSWM)



Y 型式 /Y Type

標準尺寸 Standard sheet
2440 x 1220 (LWM x SWM)
3050 x 1525 (LWM x SWM)



穩固安全

金屬板經由等距拉撐形成擴張網，其扎實的力學載重結構，即使網目變形、破壞或被剪斷，依舊強穩堅固。相較於其他網材，金屬擴張網更可提供表面止滑的優勢，並可與非金屬材質契合，如：玻璃、混泥土、塑 膠 .....，以強化工程結構耐性、安全性與外觀完整性。

Durability and Safety

Expanded metal is made by uniformly piercing and stretching a single piece of metal, retaining its structural integrity that can withstand breakage and damage. The grating produced by our manufacturing process gives the surface of expanded metal better grip. This property is ideal for anti-slip walkways. By combining expanded metal with glass, concrete or plastic can create a stronger structure.

表面處理

擴張網的材質豐富多樣，金屬類如：鋼鐵、不銹鋼、鋁、鈦、鎳、銅 .....，非金屬類如：紙、 .....。因應材質特性有多種表面加工法可供選擇，如：熱浸鍍鋅、金屬電鍍、液體塗裝、烤漆處理或塑膠被覆等。經表面加工處理後的擴張網更經久耐用，具抗腐蝕性，搭配豐富的色彩選擇，使擴張網應用變化無窮、想像無限！

Coating and Color

Expanded metal can be made from various metal materials, such as steel, stainless steel, aluminum, titanium, nickel, and copper as well as nonmetal materials, such as paper, etc. All these possible materials comes a number of ways to coat the surface, such as, galvanizing, anodizing aluminum, positive electrode, PVC metallic coating, powder coating, and liquid coating. With the coating process, the material becomes more durable and resistant to corrosion. The surface can also be presented in a spectrum of colors, adding to its usability and ability to realize the client's imagination.





過濾通透

金屬擴張網的孔狀結構，在通透性上提供最佳優勢。不同尺寸的擴張網可應用於各領域：安全護欄與建築圍欄可保護隱私、減少陽光直接照射；架設於機場跑道兩旁整齊劃一的擴張網，可引導飛機起飛時所造成的混亂氣流。此外，孔洞細密精緻的擴張網可應用於雜質過濾器內，經由電化學原理或結合其他材料形成耐用與穩定性高的理想過濾網。

Permeability and Filtration

The diamond-shaped apertures in expanded metal can yield different levels of permeability depending on their size. It can provide privacy and diffuse light while still letting in air. The expanded metal which utilized on airport runways can safely disperse the airflow because of its air filtering effects. On a smaller scale, expanded metal becomes a fine mesh that can filter impurities through electrochemical filtration or in combination with other materials. Its durability and metallic properties make it an ideal filter.

變化彈性

運用擴張網勻稱的孔洞，搭配不同金屬的特性，擴張網目可無限連續拼接、彎曲各種角度。由於拼接大範圍、彎曲角度需要產品高度一致性，上鎧鋼鐵毫不妥協地提供幾近零誤差金屬擴張網，配合建築師、設計師盡情揮灑創意。

Versatility and Flexibility

Expanded metal is capable of covering areas small and large, straight and curved. The static pattern, coupled with the characteristics of different types of metal, resulting in a seamless appearance. Expanded metal can adapt to the clients' needs, in terms of various functions or designs. To guarantee a perfect fit, the cut of the metal must be consistently precise. Shang Kai Steel employs the highest standards in manufacturing products to make sure we stand out from the rest.

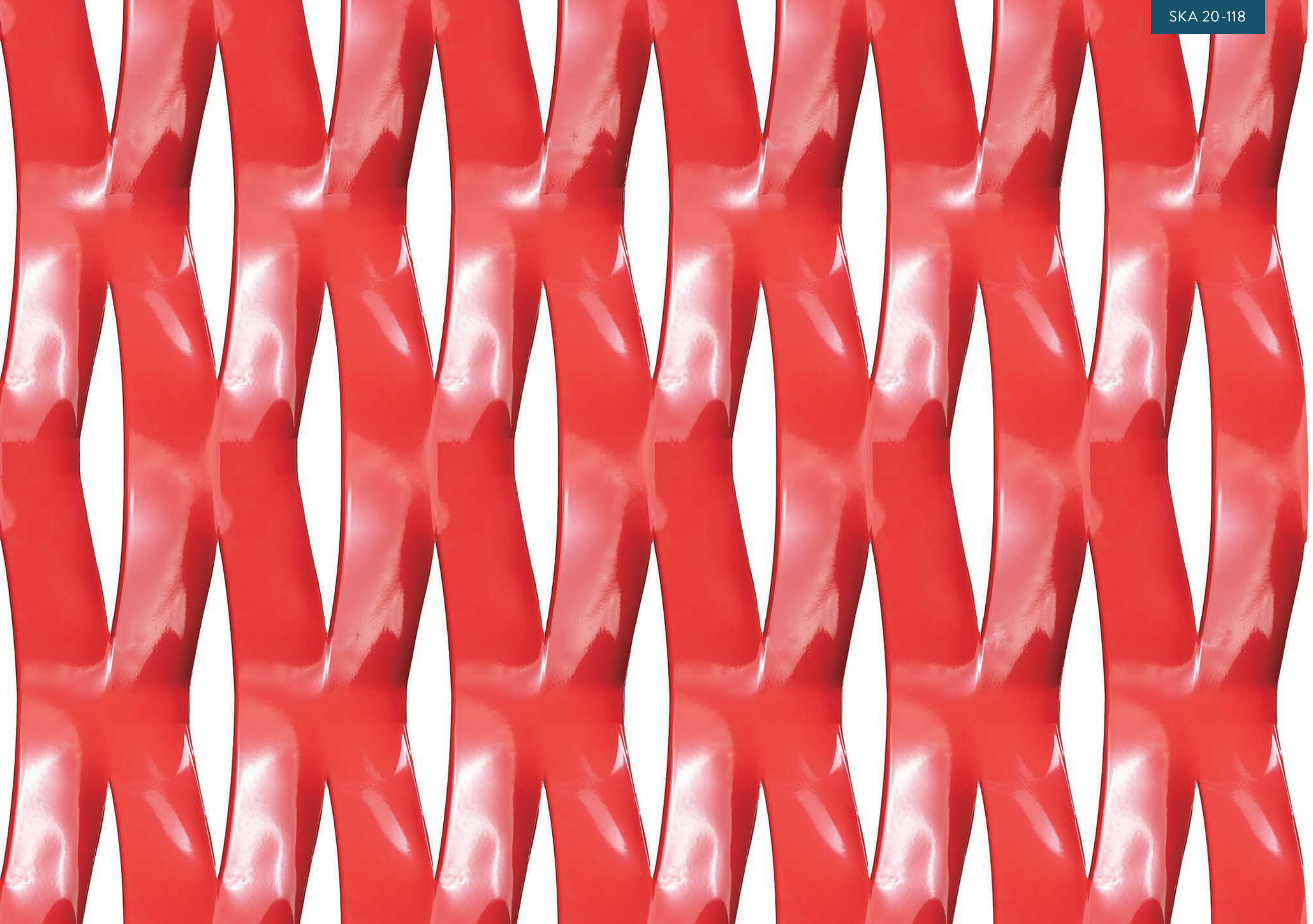
綠化節能

使用鋁製寬網目之擴張網於建築空間，網面傾斜角度可阻擋陽光直接照射，減少建築內部日照輻射，降低溫度。除了節省能源外，經過測試可讓藤蔓植物攀爬其上淨化空氣，美化建築外觀；更因擴張網於生產過程無廢料產生，使其成爲綠建築指標建材。

Eco-friendly and Energy Saving

Expanded metal is manufactured in an environmentally conscious way, using the entirety of the material to ensure nothing is wasted. Wide-strand expanded metal can be used in architecture to filter sunlight in specific angles and patterns to reduce solar radiation entering the building. It acts as both a barrier and insulator and saves energy by maintaining the interior temperature. It is also an excellent structure for vines and other climbing plants to grow on. These qualities make the expanded metal an excellent material in the construction of green buildings.

SKA 20-118

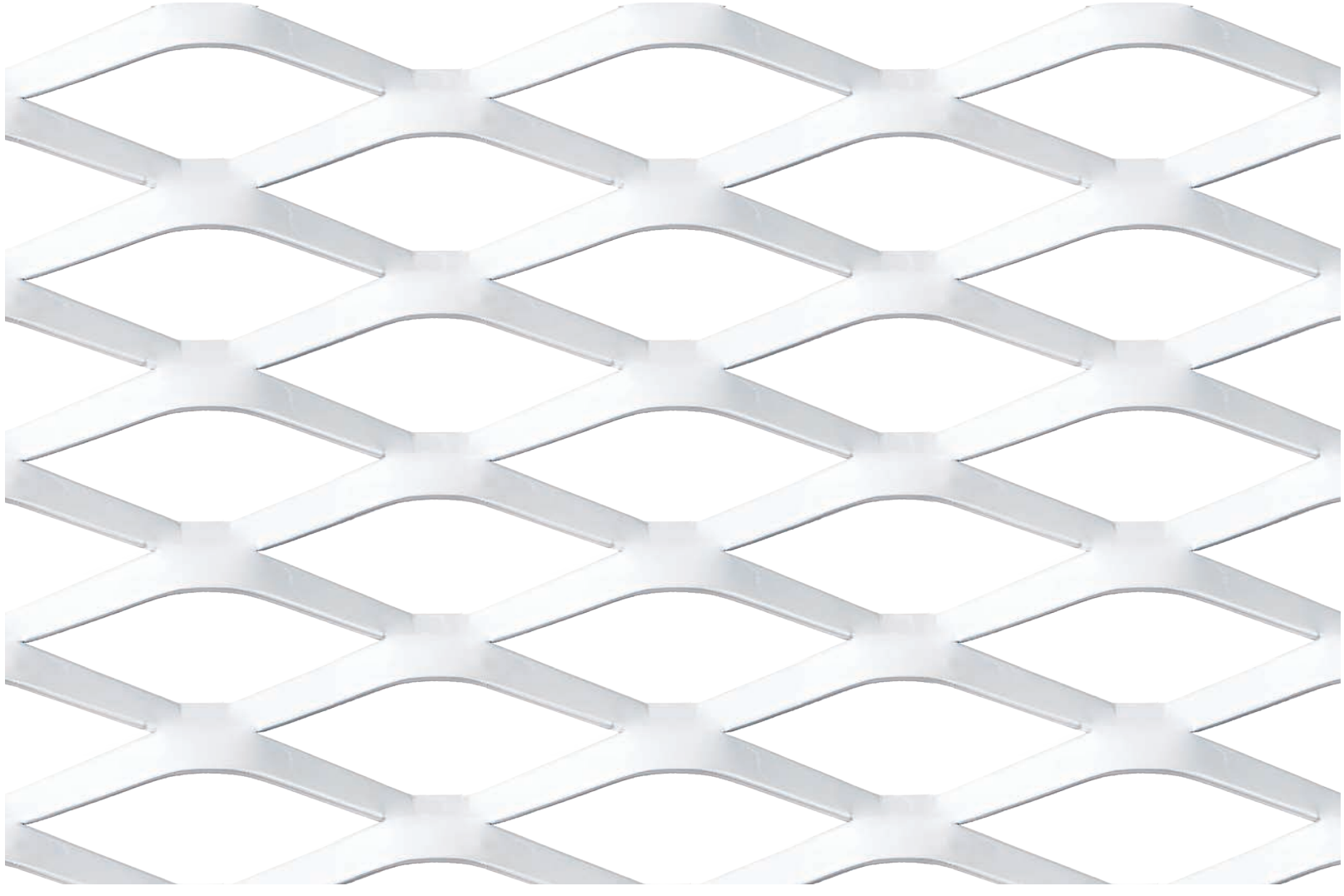


建築外觀網

SK-A Type

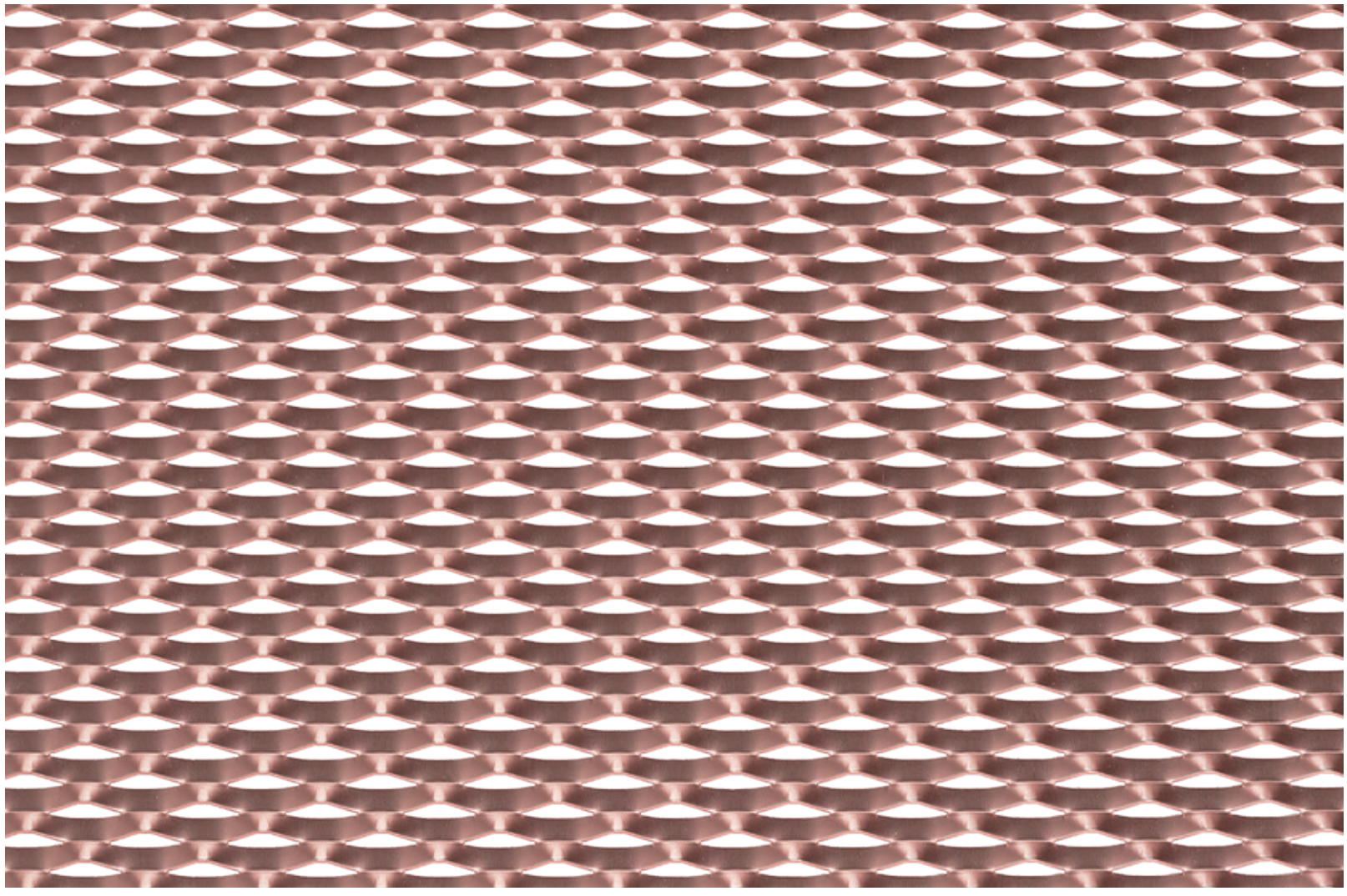
上鎧鋼鐵精心設計的 SK-A 擴張網，以鋁合金為原材料，特殊開孔角度可遮蔽太陽光及輻射熱，更能以物理變因調節室內環境達到節能與省電。可配合攀爬植物達到淨化空氣。擴張網製作過程全程低碳環保，安裝簡單，可有效減緩都市熱島，提高環境舒適性，是功能與美觀兼備的綠色建材，更是建築師心目中理想的建築外觀材料。

The SK-A Expanded Metal designed by Shang Kai Steel is made of aluminum material and has special opening angles to effectively block sunlight and radiation heat. It can also regulate indoor environment for energy efficiency and cost-saving through physical factors. When combined with climbing plants, it can purify the air and has a low-carbon, environmentally friendly production process. Installation is easy, effectively reducing urban heat islands and improving comfort. It is a functional and aesthetically pleasing material for cooling buildings and the ideal building exterior material in the eyes of architects.



比例 scale 1:2

SKA 30-58



比例 scale 1:2

SKA 15-25

SK-A Type

製品規格表 **Product Specifications**

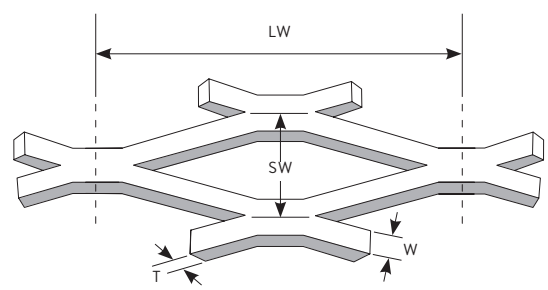
網目尺寸
Mesh Size

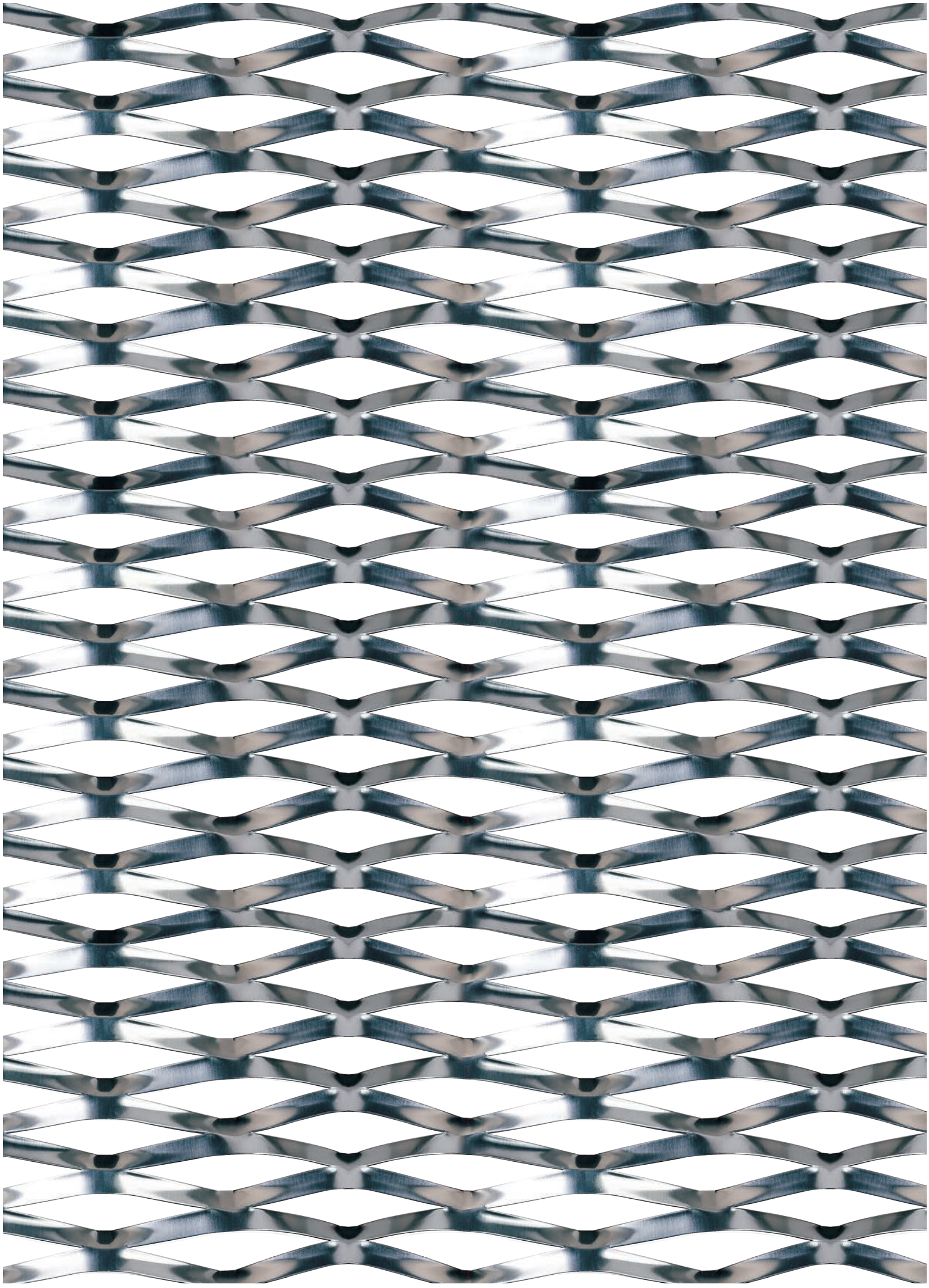
SW	LW
15-30	75
20-50	101
30-65	135
45~86	152
70	175
90	200
50~125	300
140	700

尺寸單位 – 公釐 Units in mm

本公司另可製造上述標準以外之產品，請聯絡我們。
We can also manufacture products other than the above specifications, please contact us for details.

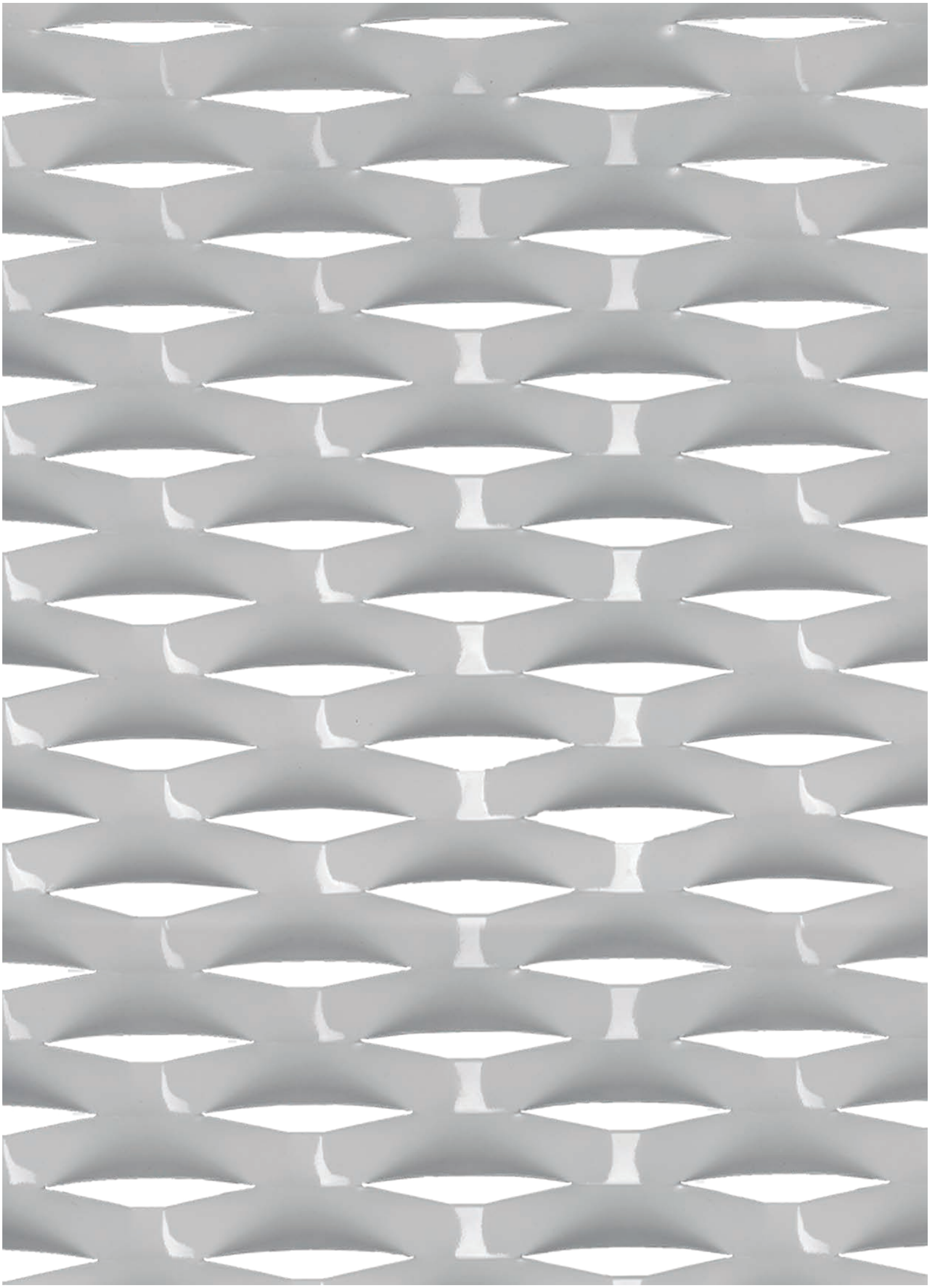
我們可製造符合CNS, JIS, BS,ASTM, AS/NZS 之國際擴張網標準規範尺寸。
We can also manufacture products from CNS, JIS, BS,ASTM, AS Expanded Metal specifications, please contact us for details.





比例 scale 1:2

SKA 300-3



SKA 20-12

比例 scale 1:2

開務建築事務所

Keywow Architecture

型號 : SKA 20-04

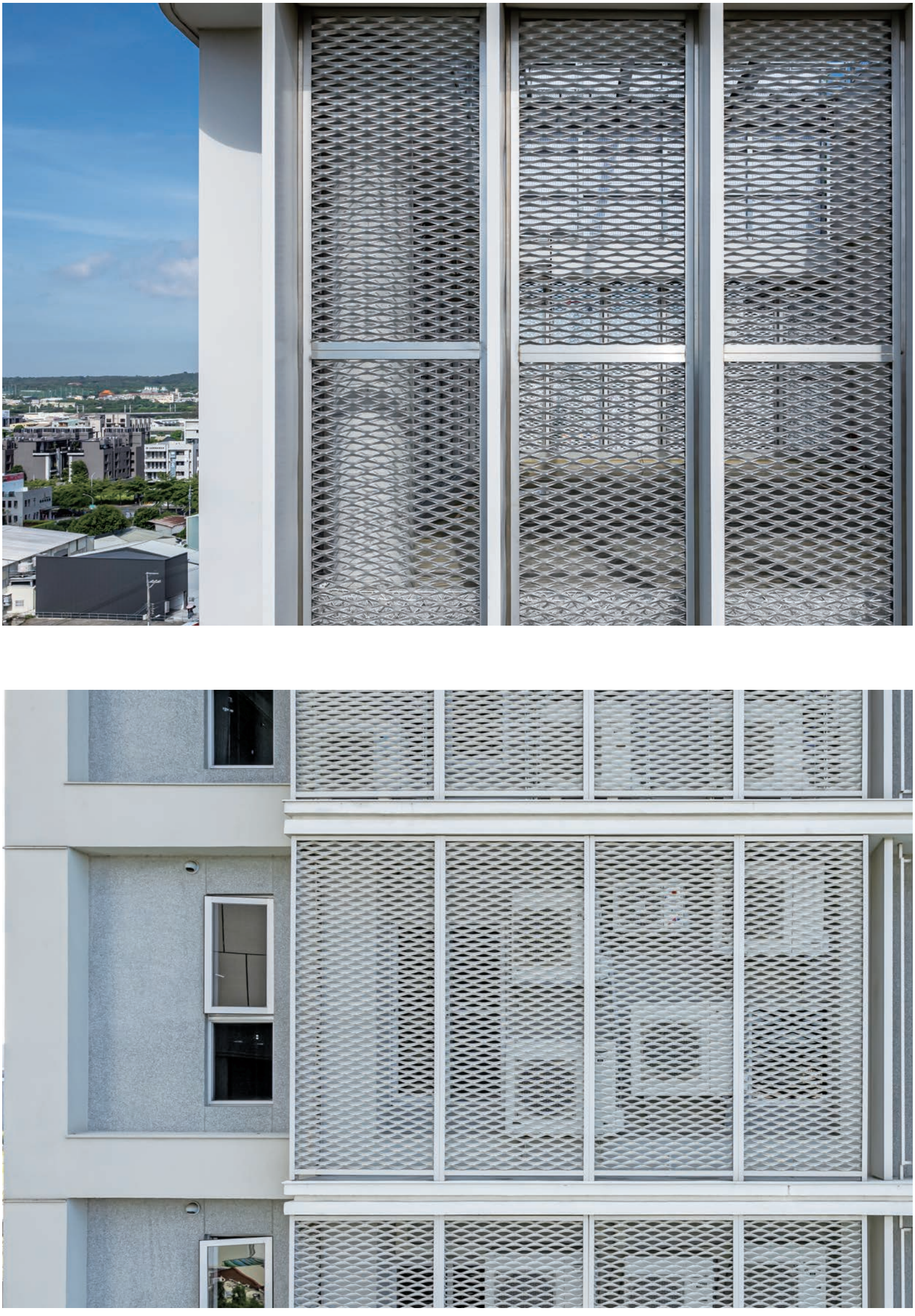
建築師 : 開務建築事務所

漫步在台中重劃區，瑞柏盛大樓豁然映入眼簾，潔白外牆搭配橫縱向遮陽板，樓層逐漸縮小給予挑高的視覺感，妝點著些許綠意，柔軟了建物的冷硬。其頂樓被大面積擴張網所包圍，除了考量遮蔽性，也是穩固耐用的安全護欄。輕量化的材質，不吸熱的特性，多孔目的通透性，易於安裝可縮短工期，皆是上鎧鋼鐵 SKA 20-04 型擴張網的特色，更可搭配各式工法如包框、扭轉、切削等，實際打造出紙上藍圖，更多次與專業建築師配合，也尋求更多能與相關業界合作的機會。

Model : SKA 20-04

Architect : KEYWOW Architecture

Strolling in Taichung's rezoning area, Rui Baisheng Building immediately comes into view. The white exterior walls are matched with horizontal and vertical sunshades, and the floors are gradually reduced to give a high visual sense. It is decorated with a splash of green, which softens the coldness of the building. Its top floor is surrounded by a large-scale expanded metal, which acts as both a shade and a stable and durable fence. Lightweight material, non-heat-absorbing properties, porous purpose permeability, easy installation and shortened construction period are the unique characteristics of Shang kai Steel SKA 20-04 expanded metal. It can also be assembled using various construction methods such as framing, twisting, cutting, etc., to turn a blueprint on paper into reality. Shang kai has collaborated with professional architects many times, and seeks for more opportunities to work with related industries.



國城建設 定潮

Kuo Cheng Construction Co., Ltd.

型號 : SKA 30-13

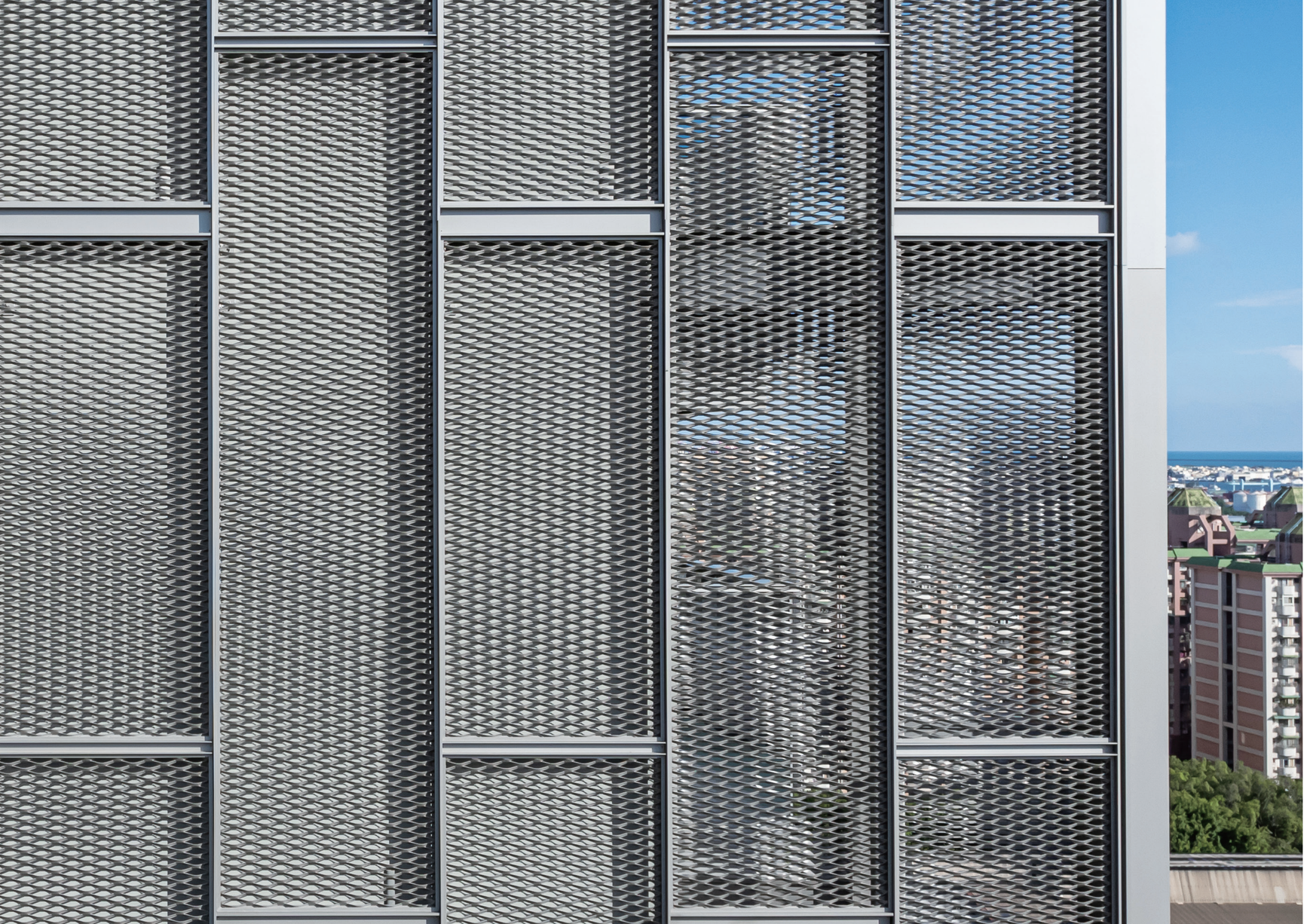
建築師 : 新加坡 SCDA 建築師事務所

高聳矗立的國城建設佇立於市中心，氣勢磅礴的高樓彷彿直抵天際雲霄，國城建設 -「定潮」建案採用上鎧鋼鐵 SKA 30-13 擴張網，透過焊接、包框等工法，變化擴張網的排列組合，整體設計呈現當代的俐落與氣派感。南部的炎炎高溫受此調節，刺眼的陽光不會直接穿入屋內，冷氣運轉時的熱氣從擴張網的孔目中消散，大幅降低室內外熱能，達到減少碳足跡與節電的功效。

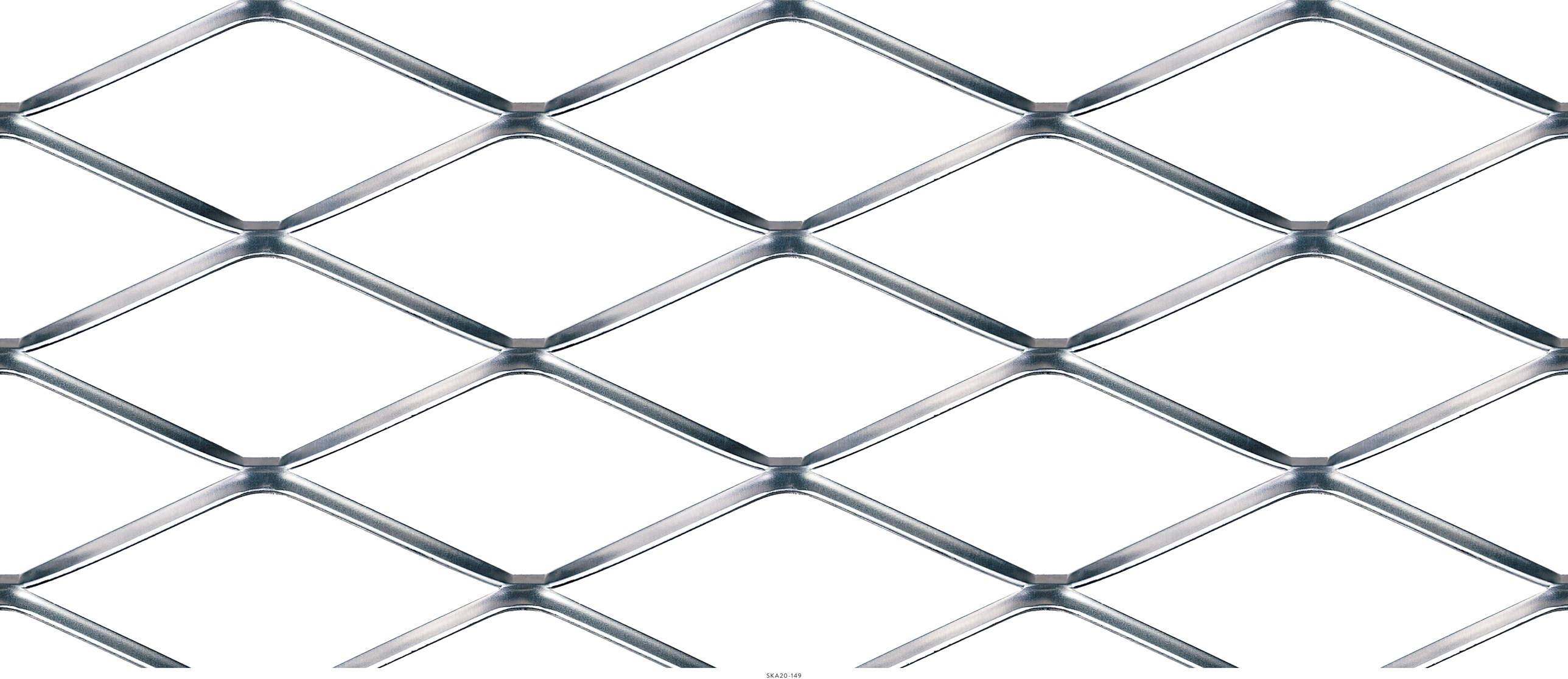
Model : SKA 30-13

Architect : SCDA Architects

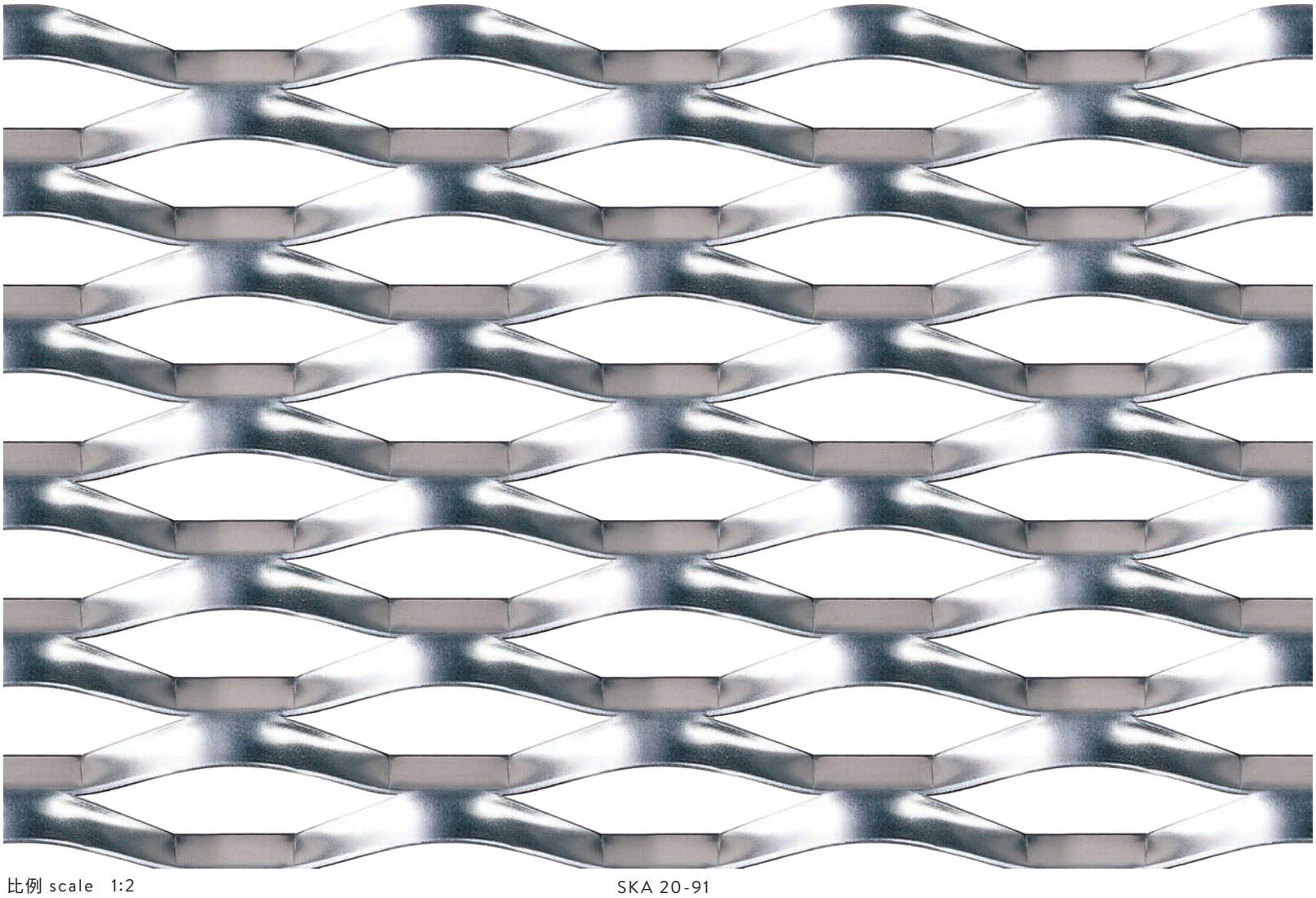
The towering Kuo Cheng Construction building is located in the heart of the city, its imposing high-rise seemingly reaching the clouds. Kuo Cheng Construction uses Shang Kai Steel SKA 30-13 expanded metal, achieved through welding, framing, and other construction methods, rearranging the holes for a modern and sleek look. The scorching heat of southern Taiwan is regulated by this design, preventing direct sunlight from entering the building and dispersing the heat generated by air conditioners through the holes in the expanded metal, significantly reducing indoor and outdoor heat, reducing carbon footprint, and saving electricity.




國城建設

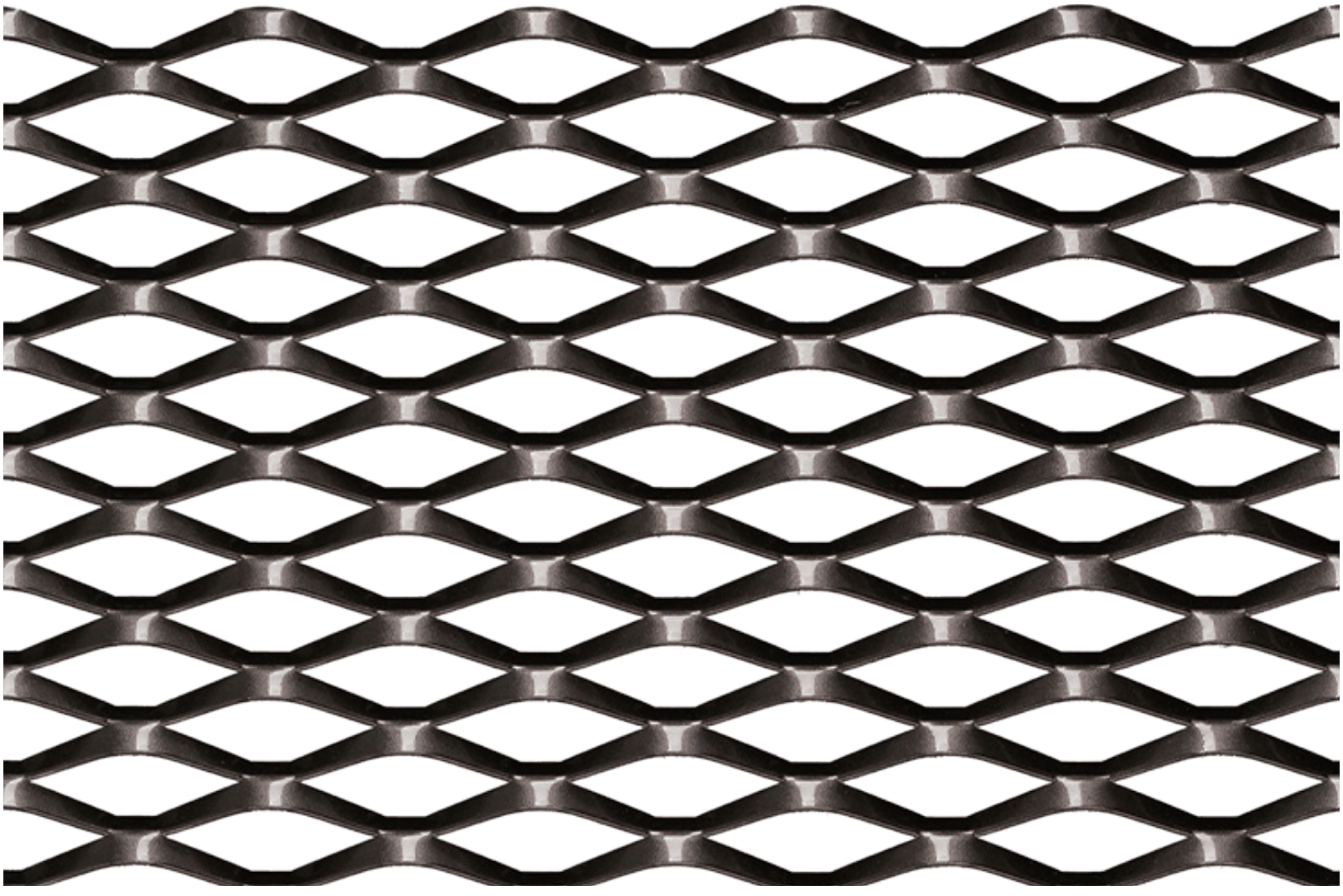


SKA20-149



比例 scale　1:2

SKA 20-91



比例 scale　1:2

SKA 20-14





台北中山逸林酒店

DoubleTree By Hilton Taipei Zhongshan

型號 : SKA 30-05

建築師 : 大尺建築 + 郭旭原聯合建築師事務所

座落於中山區的逸林酒店，使用 SKA 30-05 建築外觀擴張網覆蓋側面玻璃窗，深灰色的建物與網體結合，有條理的間隔設計顯現低調簡約的風格，一致的孔徑除了彰顯上鎧鋼鐵的精細作工，也在外觀上增添更多規律性細節，成就水泥叢林裡的不凡景緻。透過精密計算的網面角度亦折射豔陽曝曬，達到降低室溫、增加空氣對流的效果，節能省電更保護隱私。

Model : SKA 30-05

Architect : EHS+Hsuyuan Kuo Architects & Associates

Located in Zhongshan District, DoubleTree By Hilton uses SKA 30-05 on the exterior of the building, covering the windows on the sides. The dark gray color melds with the building, showcasing a minimalistic style through the simplistic yet coordinated alignment. The uniform and identical openings not only demonstrate the intricate work of Shangkai Steel, but also accentuates the exterior of the building, adding charming aesthetics to the carefully arranged pattern. Through meticulous calculations of the angles of the openings, the lathes are able to reflect sunlight hence lowering indoor temperature, increasing airflow, and ultimately, conserving energy while maintaining privacy.



頂誠文化建築

The Ding Cheng

型號 : SKA 20-07

建築師 : 林子森、林伯諭聯合建築師事務所

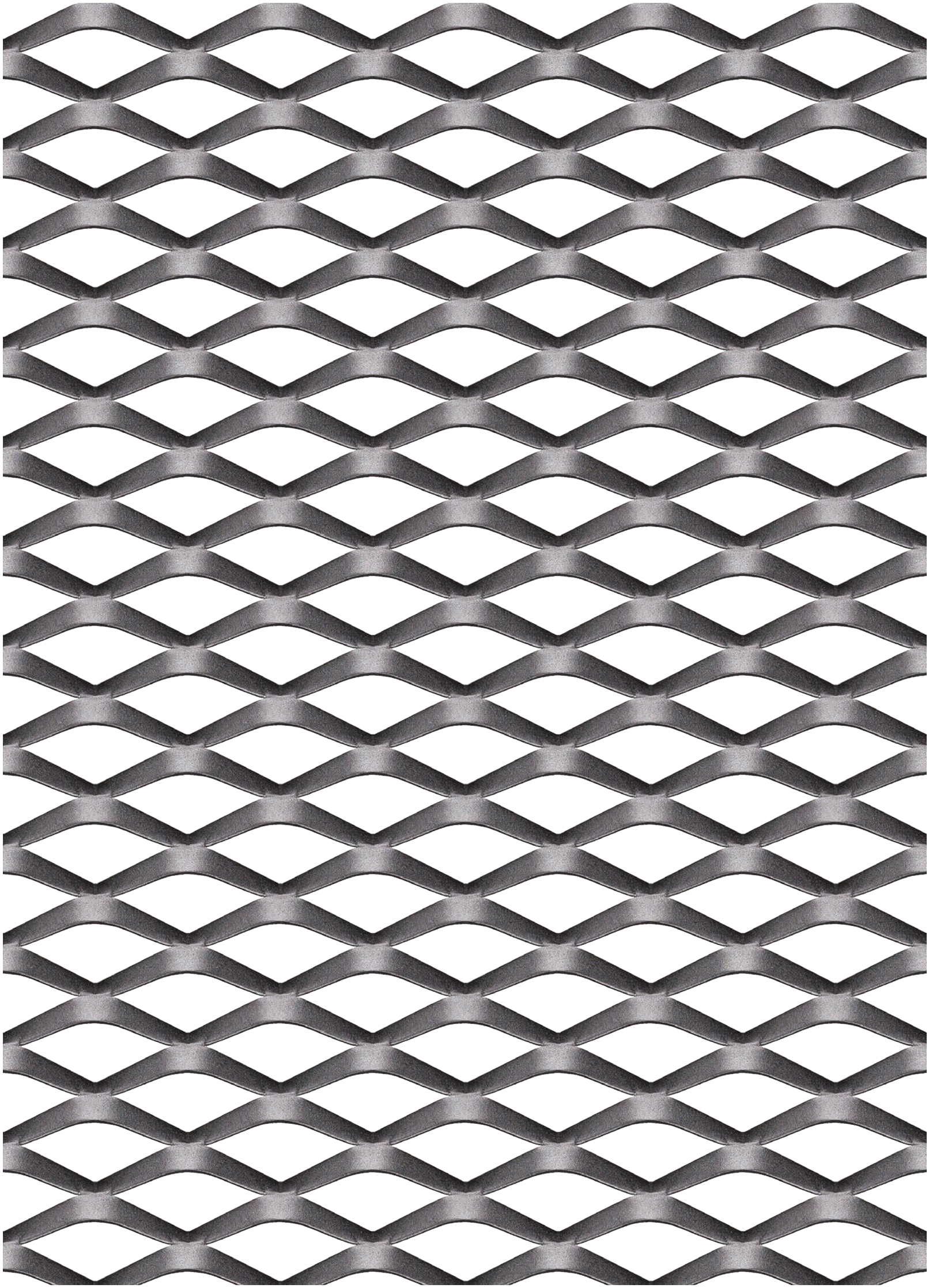
隱匿在紛亂都市中的一角，頂誠文化建築沐浴在日光下，優雅撐開一把遮風蔽蔭的傘，外觀獨特的不規則視覺感，黑白色塊相間錯落，在附近街區獨樹一幟，其鄰近師範大學的綠樹環繞，散步可及人文薈萃的中心，潔白外牆包覆上鎧鋼鐵的 SKA 20-07 系列擴張網，在南方炎熱的氣候下減少陽光直射，降低建物本體的溫度，包覆住管線外露，保持外牆的乾淨度，兼具美感和功能性。

Model : SKA 20-07

Architect : T.S.Lin & P.Y.Lin Architects & Associate

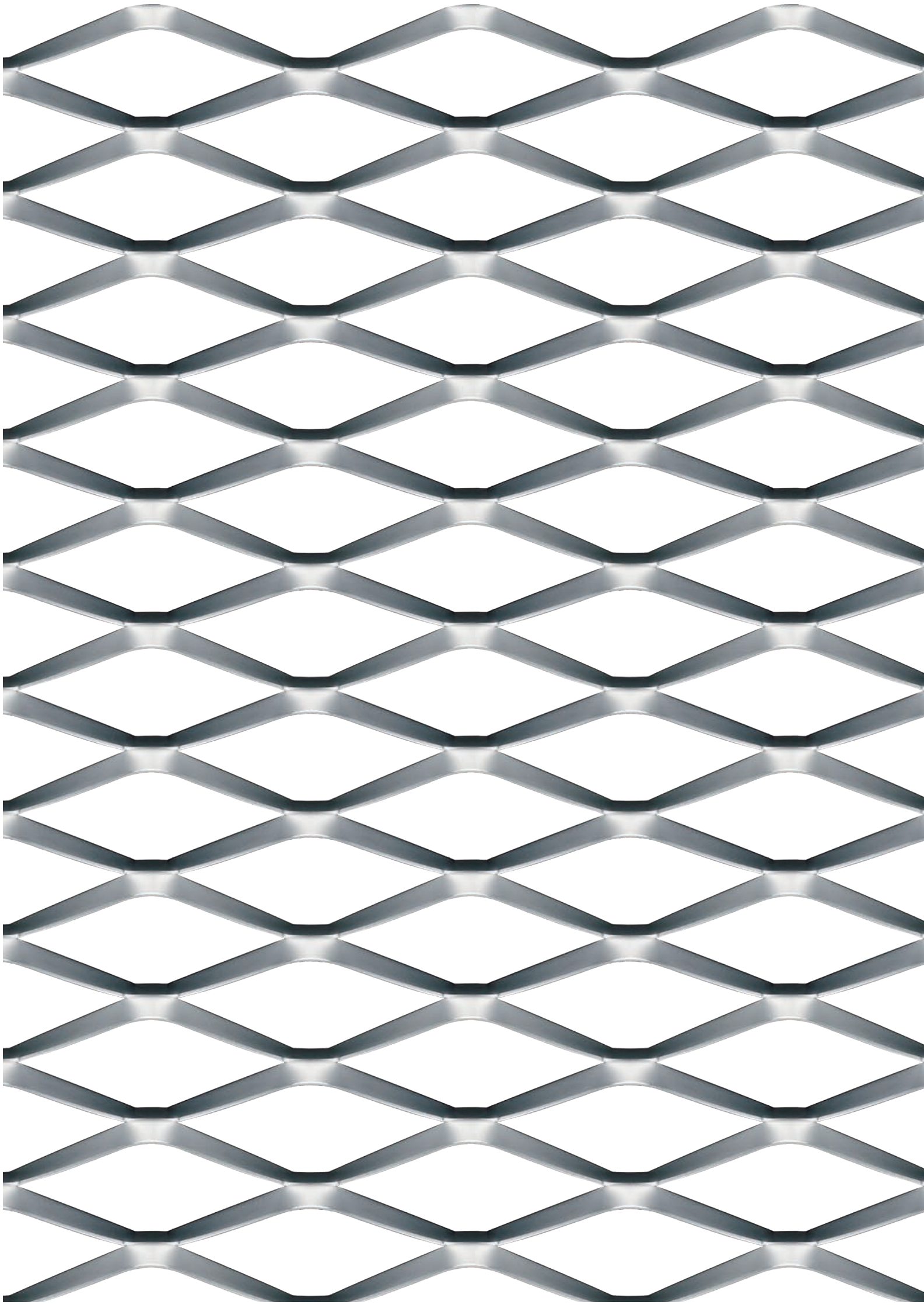
Hidden in a corner of the chaotic city, the Ding Cheng Cultural Building gracefully opens a shade like an umbrella as it bathes in sunlight. The appearance has a unique and irregular visual sense. The black and white blocks are scattered, creating a unique view in the neighborhood. It is surrounded by green trees near the National Taiwan Normal University, which is within walking distance to crowds and people. The white exterior wall is covered with SKA 20-07 expanded metal which reduces direct sunlight in the hot southern climate, lowers the temperature of the building body, covers the exposed pipelines, and maintains the cleanliness of the exterior wall. In conclusion, the structure serves as both aesthetic and functional.





比例 scale 1:2

SKA 20-47



SKA 20-08

比例 scale 1:2

新莊 九和汽車

JAGUAR & LAND ROVER Xinzhuang

型號 : SKA 30-152

建築師 : 胡宗雄建築師事務所

為調節室溫以節省能源，九和汽車採用上鎧鋼鐵 SKA 30-152 擴張網包覆樓頂，上鎧鋼鐵擴張網做工精細的網面以特殊角度折射日曬，即使烈日當頭也不至於過分炎熱。網體的金屬原色與俐落的鋼鐵線條融合，成就汽車產業一貫的工業風，多層次的視覺效果卻別出心裁，放眼望去，無非是道旁鮮明的目光焦點。

Model : SKA 30-152

Architect : Hu Architects & Associates

In order to adjust the room temperature and save energy, Jaguar & Land Rover Xinzhuang uses SKA 30-152 expanded metal to cover the roof of the building. The finely crafted surface of Shangkai's expanded metal refracts the sun at a precise angle, so the temperature will not be too high even in the hot sun. The metal's natural color integrates seamlessly with the neat steel lines to achieve the consistent industrial style of the automobile industry. The multi-layered visual effects are ingenious. Looking around, it undoubtedly steals the show.


新莊區思源路40號
2992-0033
LAND ROVER
LAND ROVER

和發服務中心

Ho Fa Industrial Park

型號 : SKA 20-96

和發工業區位於高雄大寮區，是一個新區域型工業區，因應台商回流及土地利用計畫。和發服務中心外牆採用上鎧鋼鐵 SKA 20-96 系列使用不鏽鋼 304 材質，藉由材料銀灰色塊整齊包覆住外牆，給人下扎根感。希望改變工業區陳舊形象，在南國韜光養晦，成長壯大。上鎧鋼鐵擴張網 SKA 系列，容易施工、縮短工期，不需大量結構支撐，具有穩固、安全、耐用等特點，並可改變安裝方向，設計不同視覺效果。

Model : SKA 20-96

The Ho Fa Industrial Park is located in the Daliao District of Kaohsiung, and is a new regional industrial park that has been developed in response to the return of Taiwanese businesses and land use plans. The exterior walls of the Ho Fa Industrial Park Service Center are made of the Shang Kai Steel SKA 20-96 use stainless steel 304 material. The original material color is silver-gray color to give it a grounding feel. The aim is to change the outdated image of the industrial park and to grow and thrive in the southern country. The Shang Kai Steel SK-A series is easy to construct, shortens the construction period, and does not require a lot of structural support. It is sturdy, safe, durable, and can change the direction of the installation, resulting in different visual effects.



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