

Featured Work



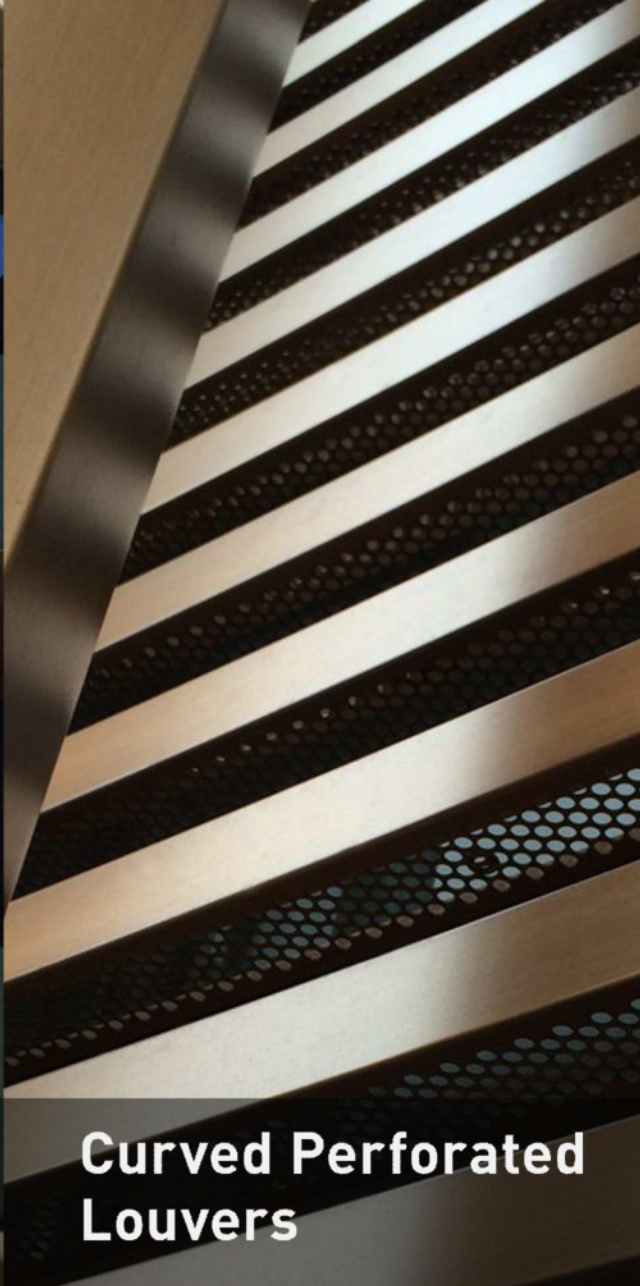
Featured Work

Bloomberg London

KIKUKAWA



Craftsmanship



**Curved Perforated
Louvers**



Invisible Joints

Bloomberg London

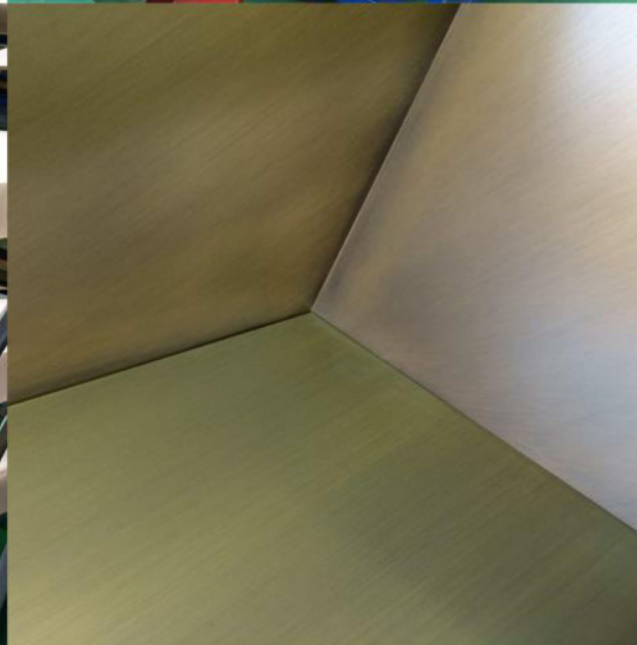
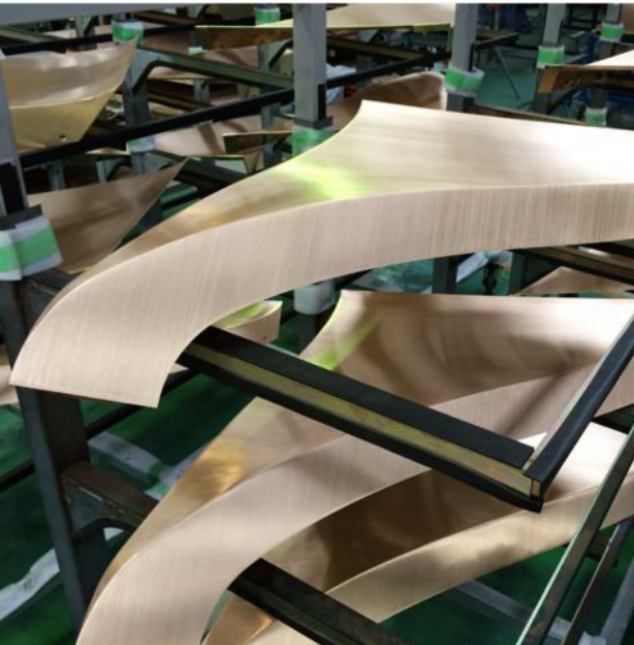
KIKUKAWA



Craftsmanship

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The elegant three-dimensional curved surface of the enormous exterior component, the “fin,” was realized through the diligent welding, polishing, and workmanship of craftsmen. Moreover, every single product, comprised of more than 200 curve patterns, was welded by hand. Through traditional Japanese craftsmanship and passion, a deeper level of sophistication was added to the beautiful metalwork of the Bloomberg London office, bringing it into perfect harmony with its dignified surroundings in the City of London.

Craftsman- ship

Bloomberg London

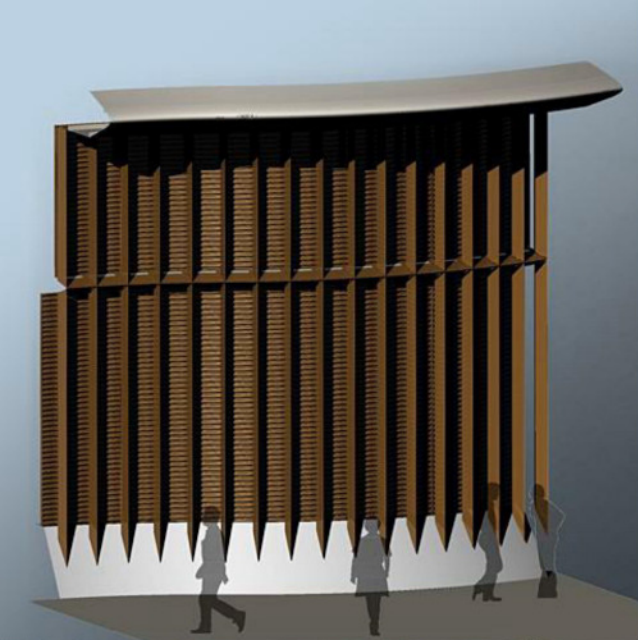
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A close-up photograph of architectural louvers. On the left, a light-colored wood-grain panel is visible. To its right, a series of curved louvers are shown, alternating between solid dark metal and perforated metal with a grid of small circular holes. The louvers are angled diagonally across the frame.

Curved Perforated Louvers

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Perforated panels, produced through high-precision machine work, were pressed into a 50mm corrugated shape. Then, a special bending process was employed to create perforated louvers with a smooth, curved surface. By ensuring that the perforations of all the louvers were perfectly aligned, we satisfied architect Lord Norman Foster's need for strict attention to every detail.

Curved Perforated Louvers

Bloomberg London

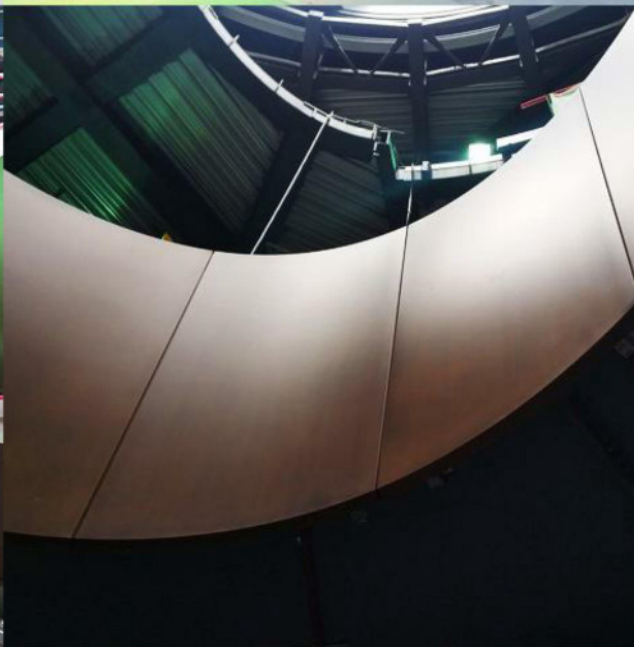
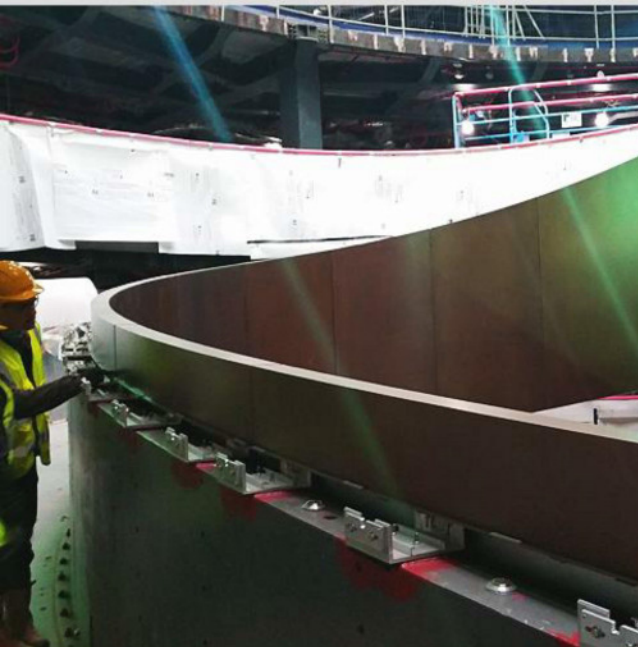
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Invisible Joints

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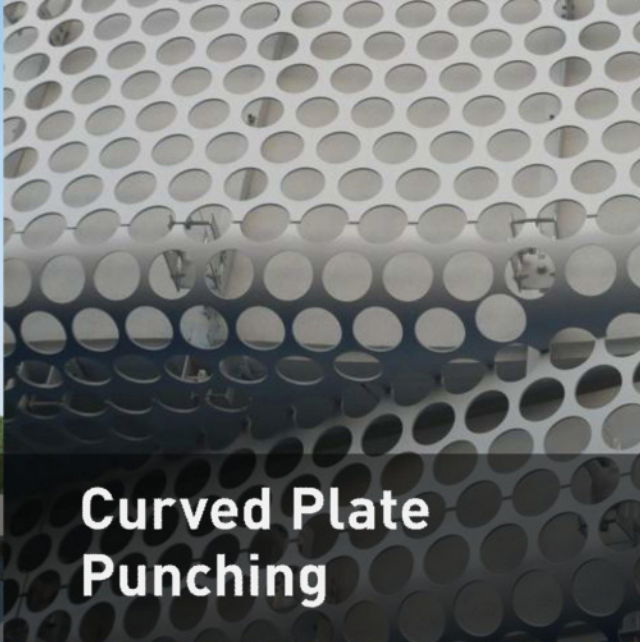
The enormous curved staircase—the centerpiece of the new office—has a distinctive trefoil knot-shaped design when viewed from above. To achieve this design, two “joint” techniques were employed. Firstly, using FSW (friction stir welding) technology, we manufactured a curved surface material measuring 2.6m x 2m – much larger than standard metal material. Then, for the intricately-shaped parts of the curved staircase, we used laser welding to produce a smooth, streamlined finish.

Invisible Joints

Metalwork Technology



**Long Stainless
Steel Plates**



**Curved Plate
Punching**



**Stainless Steel
Structures**



Twisting



**Fiber Laser
Welding**



**Furumi
Finishing**



On this monolith-like structure comprised of 18 meter-long stainless steel plates, joints are nowhere to be seen. Moreover, a total of 51 plates, each with a different curvature, are positioned side by side in a fluid construction. Fine-grained blast-finishing was applied to the surface, and glass powder was sprayed to create a subtly irregular surface finish.



Long Stainless Steel Plates



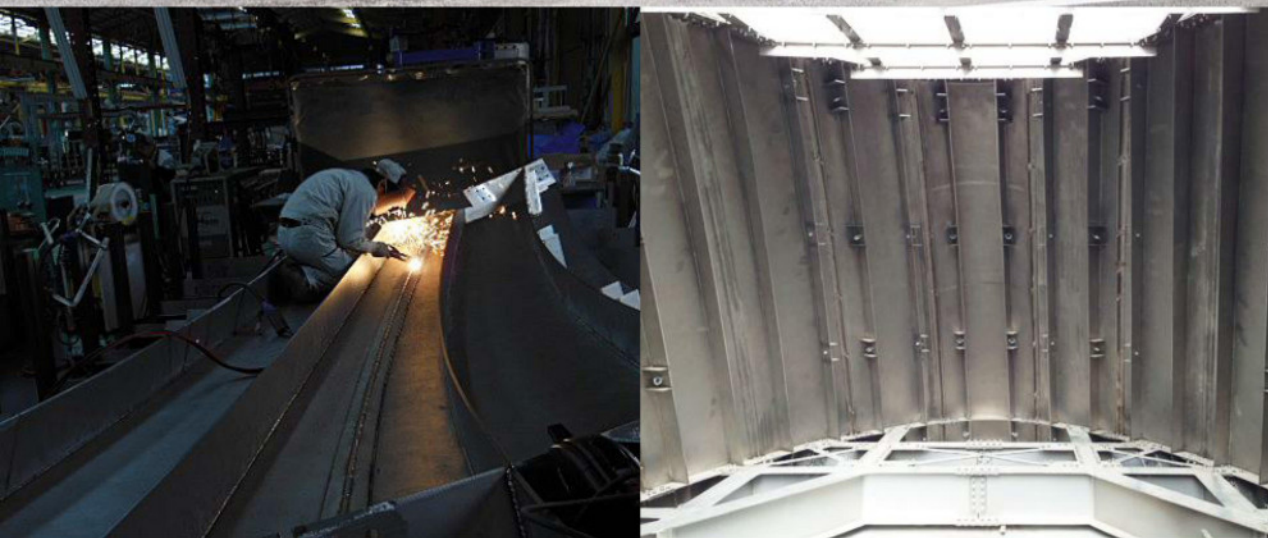
Our idea of punching the holes after bending the plate enabled us to create a sophisticated three-dimensional design while maintaining a high degree of strength. After pressing the plate to create a curved surface, a gauge was applied and fine adjustments were made by hand. Finally, holes of nine different sizes were inserted in the curved surface to produce a design that is even more expressive.



Curved Plate Punching



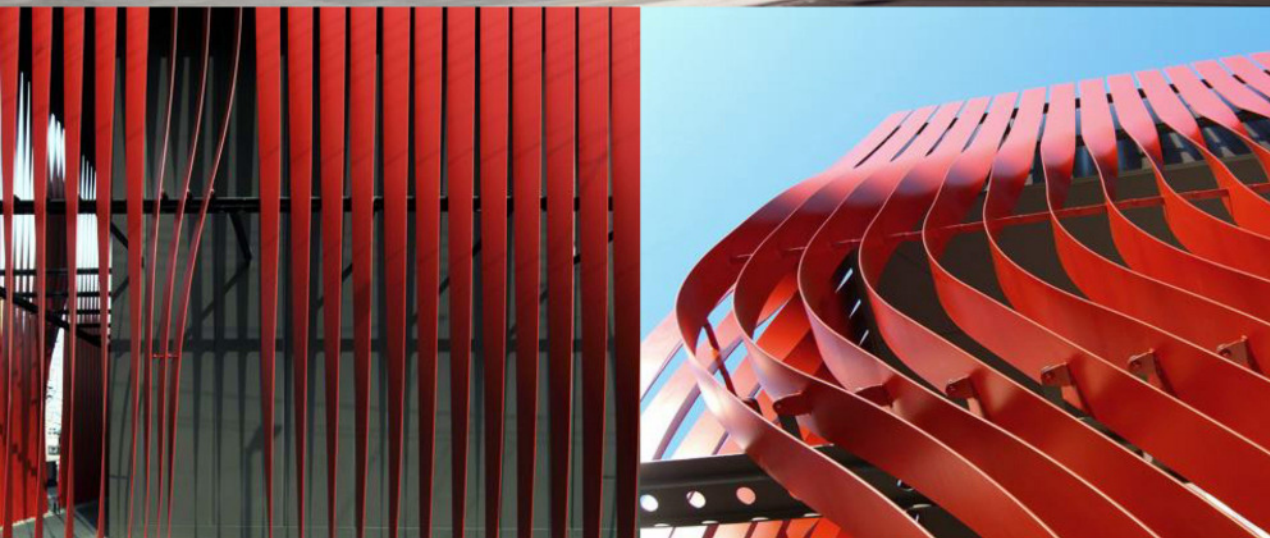
Stainless steel was used for every aspect of this structure, from the inner skeleton to the parts exposed to the open air. We used SUS329J3L, a stainless steel that is exceptionally strong and resistant to corrosion. The shell structure was formed by welding panels divided into 24 parts, each of a different shape. The smooth curves are the work of our skilled craftsmen. The surface finish was achieved through fine-grained pearl vibration.



Stainless Steel Structures



Nothing is softer than metal. To prove this point, we employed our twisting and forging technology to create elegant curved surfaces from 12-meter long, 9mm-thick steel plates. Through a “drape-like” design reminiscent of a rope curtain held up by hands, we showed what happens when metal is twisted.



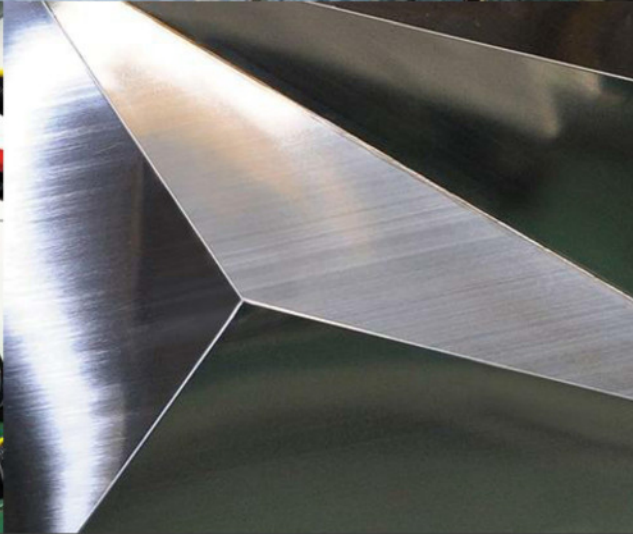
Twisting

Metalwork Technology

KIKUKAWA



Our uncompromising passion and attention to detail is evident in our exceptionally low-distortion welding technology, which allows us to join stainless steel panels with no loss of smoothness on the mirror surface. When combined with cutting-edge robot technology, this technology can also be applied to 3-dimensional shapes.



Fiber Laser Welding

Metalwork Technology

KIKUKAWA



Even new products can have the flavor of aged products. KIKUKAWA's original FURUMI finishing uses bronze materials to produce a traditional Japanese feeling of depth and luxury through a blend of surface-roughening technology and sulfurizing processes, allowing us to emphasize the distinctive feel of the materials and add value in accordance with the client's design demands.



Furumi Finishing

Metalwork Technology

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