The New Building Blocks

How today’s manufacturers are wasting nothing and tapping just about everything to deliver next-gen design materials
WORKING MODEL
To inspire Capital One's Toronto staff, IBI Group imagined zones defined by colour and whimsy. Enter Eventscape

[Image of a modern office space]

Capital One's new headquarters in Toronto is a workspace designed to attract and retain top fintech talent. And it does so by prioritizing flexibility and spontaneity. The offices are spread across multiple floors in the middle of a downtown tower, with each level featuring a unique central corridor concept that brings together built-in seating, power, lighting and whiteboards. For instance, one concept comprises a pair of fractal nooks, upholstered in fuchsia. Another, more daring one features a ribbon of seating clad in blue Maharam wool fabric; anchored to the ceiling and wall, the faceted band is made of steel plate, with cushioned panels clipped to the structure. Eventscape was contracted to engineer, build and install these standout elements, which were designed by IBI Group, the interiors firm that led the project. The Toronto-based fabricator built custom elements in its factories (which the design team inspected) and then broke them down, shipped them to the site and reassembled them in situ. The breakout spaces foster collaboration and feature writable wall panels, enabling staff to ideate on all surfaces. AZ

ibigroup.com, eventscape.com

THE REST OF THE BEST
We asked architects and designers to offer up more of their favourite fabricators, including who to go to for...

Concrete floors
"Not everyone can do a nice concrete floor," says Stéphane Rasselet of Canadian studio Naturehumaine, singling out Montreal's Atelier B (atelierb.ca) as a firm that does. "They do heated poured-concrete floors that are well mixed, uniform and polished. The craftsmanship is very good."

Small-batch prototypes
"Our machinist of choice," says Jessica Nakanishi, a partner at Toronto's MSDS Studio, "is Ryan's Custom Machine [ryanscustom.ca]."

Cork walls
When Brooklyn-based Tacklebox Architecture worked on the Claus Porto flagship in New York, the firm enlisted Digifabshop (digifabshop.com) to help create the cavernous space, distinguished by 1,500 faceted diamond tiles milled from Portuguese cork.

Metal screens
A highlight of the Montreal café Pastel Rita, designed by local firm Apparel Architecture, is the green metal arches lining a corridor. "They were produced by Geostrate Metal," says an Apparel rep. "But note: They are a very small shop and don't have a website." Geostrate can be reached at 514-885-0468.

CNC woodwork
"For both the Grott Sauna [on Ontario's Georgian Bay] and Bar Raval [in Toronto], we went to Millworks Custom Manufacturing [mcm2001.ca]," says Pooya Bakhtash of Partisana. "As in all of our projects, it was a one-on-one collaboration between architect and fabricator. We developed custom coding to allow advanced toolpath cutting on the CNC machine. We then used Rhino to draw these paths."

Ceiling baffles
To create an undulating ceiling at beauty company Coty's new H.Q. In Calabasas, California, the Los Angeles architecture and design firm Moshiri Associates used the Atmosphera Contour 3D customizable ceiling system by Arkitura (arkitura.com). An attachment system that enables a tailored network of fins and baffles, Atmosphera can be adjusted to base building elements while accommodating specific design visions.