

## International Gem Tower, New York City, USA

### Architects: Skidmore, Owings & Merrill (SOM), New York

Located in the Diamond District of New York City, 55 West 46<sup>th</sup> Street is specifically created for the gem and jewellery trade. The 34-story tower is wrapped in a three-dimensional, folded glass facade. The geometry of the stainless steel facade elements is reminiscent of the facets of a diamond. The interplay of light and glass creates dynamic, ever-changing reflections. In fabrication and installation, great care was taken to ensure flatness of the highly reflective sheet metal. The facade contractor developed a design which included vertical stiffeners to ensure perfectly even surfaces.



Photos courtesy of SOM



### Details

<b>Environment:</b>	Urban
<b>Fabrication process:</b>	Brake forming
<b>Grade and finish:</b>	316 Mechanically polished (Starlight 7J® finish)
<b>Total weight of the stainless steel used in the project:</b>	132 tons
<b>Date of completion:</b>	2013
<b>Manufacturing company:</b>	Permasteelisa North America, Windsor, Connecticut
<b>Material supplier:</b>	Tsukiboshi Art Ltd., Tsugiya Amagasaki, Hyogo (Japan) and Contrarian Metal Resources, Allison Park, Pennsylvania (USA)