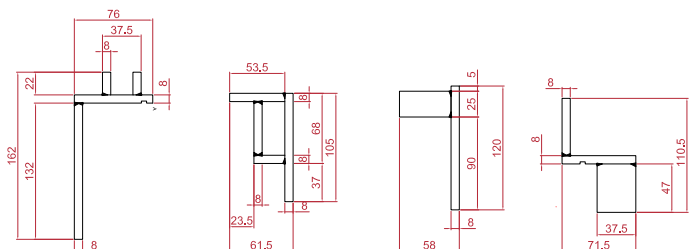


Fassade for Novartis Oncology Consolidation Center



Profile:	<i>Tailored Sharp-Edge Sections</i>
Material grade:	<i>316L</i>
Execution:	<i>Laser fused & polished</i>
Industry served:	<i>Architecture, Building & Construction</i>
Destination:	<i>East Hanover, New Jersey, USA</i>

The new Novartis Consolidation Centre in East Hanover, New Jersey, USA, in particular the Oncology Division, is the nearly 95'000 square meter is Building Three on the campus. The area includes offices, conference rooms, community areas, a fitness centre and a restaurant.

Designed by Rafael Viñoly Architects PC, realized by Turner Construction, the company Josef Gartner of the



Permasteelisa Group was entrusted with the curtain wall.

All stainless steel sections were designed custom and special realisation was needed due to shape complexity and requested surface condition and tolerances.

Challenging goal was to produce sharp-edged, special stainless steel sections in 316L, suitable for easy installation on site (almost turn-key) with a high-end polish surface finish.

In order to reach this goal a very rigid and precise production plan was established, enabling to grant the requested tight timings.

All flat stripes for the sections were laser cut from plates and machined where necessary. The stripes which were supposed to be visible on the finished product had to be pre-polished.

This was subcontracted to the skilled polishing company Hofe GmbH, in Munich, Germany.

The returned polished flats were protected with plastic covers in order to reduce damages during production process.

All production equipment as well as several production methods had to be modified and adapted in order not to ruin the precious surface during all steps: from laser fusion over straightening to packaging. Several sections had to undergo straightening process several times between one laser fusion process and the next.

The fused bars in 3 to 9m length were again shipped to the polishing company in Germany, that was going to give the final finish. Once done, the well protected bars were sent to Gartner in Austria for further mechanical hole drilling and bolt welding.

The turn-key curtain wall sections were then shipped to USA for installation on site.

