



HIGH SECURITY ENTRANCE CANOPY FOR UNITED NATIONS HEADQUARTERS

| | |
|------------------|--|
| TITLE | United Nations |
| DESCRIPTION | Entrance canopy for United Nations drop-off area |
| LOCATION | New York City, USA |
| COMPLETED IN | 2010 |
| FABRIC AREA | 11,500ft ² |
| FABRIC TYPE | PTFE – Sheerfill II |
| ARCHITECT/CLIENT | FTL Studio / United Nations |



UNITED NATIONS
NEW YORK, NEW YORK USA

The challenge – meet strict security requirements to design and install complex entrance canopy on time

Working for the United Nations involves complying with the highest level of security. All personnel are required to undergo background checks and sign non-disclosure agreements. What's more, accessing any construction site in Manhattan is challenging, and this United Nations site was more problematical than most.

We also had to work within an extremely tight timeframe, which required installation over the Christmas and New Year holiday break – the coldest time of year for New York City. Added to this were the detailing challenges of a complex design that included compound curved tri-chord trusses.

Our solution – a highly experienced team, full 3D modelling and robust planning

To ensure we'd achieve a 'right first time' outcome for this entrance canopy project, Structurflex enlisted the expertise of Wade Consulting, a highly experienced team of tensile membrane structure engineers and detailers.

We also chose to work with a steel fabrication company that has made supporting framework for hundreds of tensile membrane structures over the past 15 years.

By getting a rock-solid team on board, backed up by the virtual preparation abilities of full 3D modelling, we ensured this highly-sensitive contract could be delivered without a hitch. Heavy snowfalls and low temperatures didn't hinder our finely-tuned installation processes.

IAA OUTSTANDING ACHIEVEMENT AWARD FOR TENSILE STRUCTURES, 600-2300SQM – 2011

