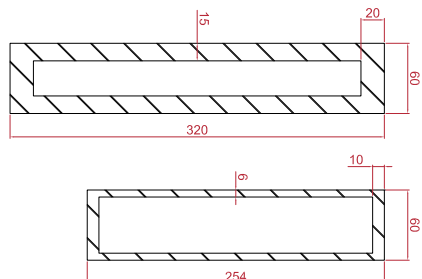


## Fassade for the Dallas City Performance Hall



<b>Profile:</b>	<i>Sharp Edged Hollow Sections</i>
<b>Material grade:</b>	<i>Carbon Steel</i>
<b>Execution:</b>	<i>laser fused</i>
<b>Industry served:</b>	<i>Architecture, Building &amp; Construction</i>
<b>Destination:</b>	<i>Dallas, USA</i>



For the Dallas City Performance Hall, the performing arts venue in the Arts District, the city of Dallas entrusted the Architect & Engineering firm Skidmore, Owings & Merrill, LLP (SOM) of Chicago and Corgan Associates.

For the main entrance a huge glazing façade was designed. The height was more than 12.5m, an impossible span to fulfil with traditional aluminium mullions.

For the construction of the curtain wall the Company Technical Glass Products was commissioned. Having skill both in the glazing and the supporting structure, TGP designed a pleasant and strong steel mullion, allowing greater free spans and larger areas of glass with reduced frame dimensions. This tailored rectangular hollow section with

sharp edges was the ideal product for Montanstahl's laser fusion technology. The very long section had to be made in one single piece, no butt-welding was acceptable for this high end application.

Montanstahl is specialized in production of tailored steel and stainless steel mullions and transoms for curtain walls. They are made with stripes laser-cut from plates and then laser fused to the desired section. This technology ensures the maximum design flexibility.

The mullions are, like also in this case, preferably rectangular hollow sections were the wall thickness and the section's depth are dimensioned according to the structural requirements. The sharp edges, the clean and neat geometry make these laser fused sections to real eye-catcher.

The heavy steel mullions in S235JR, over 1000 kg each length, there were 13 of them, were precision cut to length at 12529mm.

Due to this oversized length the bars had to be shipped in a special 45' open top container.

The well liked surface finish was Montanstahl's grit shot blasted execution, which was protected with seaworthy tar paper wrapping.

