



Facade for Performance Hall in Dallas

Profile:

Sharp Corners Rectangular Hollow Sections

Material grade:

Carbon Steel

Execution:

Laser welded

Destination:

Dallas, Texas, USA



Facade for Performance Hall in Dallas

Architecture

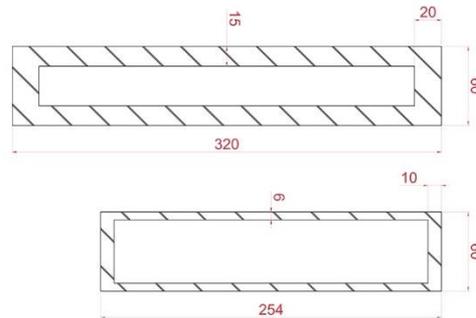
Background



The Moody Performance Hall is the performing arts venue in downtown Dallas, Texas. For its construction, the City of Dallas entrusted the architecture & engineering company Skidmore, Owings & Merrill LLP (SOM), the local residents Corgan Associates, Inc. and Technical Glass Products (TGP) for the curtain wall aspect of the project.

TGP designed tailored RHS with sharp corners for the façade mullions, as this shape allows for larger glass areas and reduced frame dimensions. Montanstahl was commissioned to produce the posts in carbon steel.

Challenge



- Sharp corners and AESS clean geometry
- Cut lengths at precisely 12,529 millimeters
- Special shipping method due to oversized lengths
- Grit shot blasted finish
- Special packing to protect the product during shipping

Solution



Montanstahl was able to manufacture the extra-long mullions by first laser-cutting strips from steel plates and then laser-welding them to the desired hollow sections, thereby meeting the structural requirements while allowing great design flexibility.

To prevent any damage to the surface finish, it wrapped the rectangular posts in seaworthy tar paper and shipped them in a 45 feet open container.

