



# LANDMARK DESIGN BUILD PROJECT FOR HISTORIC RAILWAY STATION

<b>TITLE</b>	Denver Union Station
<b>DESCRIPTION</b>	Train hall structure, waiting and drop-off canopies and more
<b>LOCATION</b>	Denver, Colorado, USA
<b>COMPLETED IN</b>	2009 - 2013
<b>FABRIC AREA</b>	7,432m <sup>2</sup> / 80,000ft <sup>2</sup>
<b>FABRIC TYPE</b>	PTFE Coated Fibreglass, Single Layer ETFE
<b>ARCHITECT/CLIENT</b>	SOM / Denver Union Station & RTD

## DENVER UNION STATION DENVER, COLORADO, USA

### The challenge – complex project with a large design-engineer-build team

Union Station in the City of Denver, which dates back to 1881, has been undergoing a massive US\$500m renovation since 2009. The station has added new commuter rail, Amtrak, light rail and bus terminals, 1.35 million square feet of mixed-use development and new civic spaces. The station is a very important part of Denver's vibrant urban core.

The scope of work was large, comprising 8 different structures. Structurflex joined the project to design and deliver a vast membrane roof for the train hall structure and canopies for waiting and drop-off areas. Structurflex specialists were part of a large team that included world-class architects SOM, engineers, contractors, steel fabricators, steel erectors and other trades. Challenges faced include a large amount of design development and coordination, engineering, intricate detailing coordination, fabrication schedules and installation while other trades were working in the same area.

### The solution – constant communication and coordination with all team members

Recognising that constant coordination with all parties was necessary to achieve problem-free progress, the Structurflex team attended many meetings, conference calls and web conferences. Structurflex also maintained direct lines of communication with the engineer, architect, general contractor, steel fabricator and steel erector. During the project Structurflex's ability to work within a team and stay on top of every facet of execution has been highly praised by other team members.

