

project brief

TYPE OF FACILITY:
Stadium



Dallas Cowboys Stadium

■ Arlington, Texas, United States

The brand new Cowboys Stadium—home of the world famous Dallas Cowboys professional football team—features the latest in stadium technology and showcases the longest arch of steel in the United States. Due to the large crowds housed in the arena, as well as the “cannot fail” equipment such as the scoreboard and announcement system, a dependable, easily installed and easy to maintain fire protection system was required.

Victaulic grooved mechanical joining solutions, sprinkler heads, devices and UL/FM valves were chosen for this project not only because of the dependability, but because of the cost savings inherent in the installation.

Instead of using cut grooved schedule 40 carbon steel pipe, the use of Victaulic grooved products allowed the engineer to specify roll grooved schedule 10 carbon steel, saving approximately 50% in overall pipe materials. Additionally, the installation of the Style 75 flexible coupling accommodated for the gradual curve of the pipe run around the overall structure and eliminated the need for hundreds of additional fittings, saving both time and money. Finally, the pre-trimmed, ready-to-install Victaulic Quick riser valve configurations afforded addition time and cost savings.

Nearly 70 distinct fire protection systems were required within the complex, ranging from sophisticated electronic detection preaction system to small diameter dry systems. The breadth of sizes and types of valve systems from Victaulic was key to the success of the design and installation.

“The hands-on support from the Victaulic specialist, both at the project management level and on the jobsite, helped ensure dependable product availability and installation,” said Greg Lee of DFW Fire Protection, the contractor.

SPECIFICATIONS:

SERVICES:	PIPE MATERIALS:	PIPE SIZE RANGE:
Fire Protection Wet & Dry Systems	Grooved Carbon Steel	1 1/2 – 8”/40 – 200 mm

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MARKET:
Fire Protection

VICTAULIC SOLUTIONS:
Cost savings
Installation time savings
Ease and speed of installation
Dependability

OWNER:
Jerry Jones

CONTRACTOR:
DFW Fire Protection

ENGINEER/CONSULTANT:
ME Engineers

COMPLETED DATE:
June 2009

