

Project Brief

## Saddle Dome Beam Repair



Calgary, AB, Canada  
2003



Precast roof strengthening of 188 girders in 94 panels. The Pengrowth Saddle Dome was originally constructed for the 1988 winter Olympics and is home to the Calgary Flames and major entertainment venues for the City of Calgary.

Flexural cracking was identified in the main girders of the precast roof panels.

Flexural strengthening with pre-cured UC laminates anchored with wet lay-up Tyfo® SCH carbon composite at ½ points and ends of laminates.

Project was completed well ahead of schedule and was completed in between scheduled events with little or no impact on the owner.

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