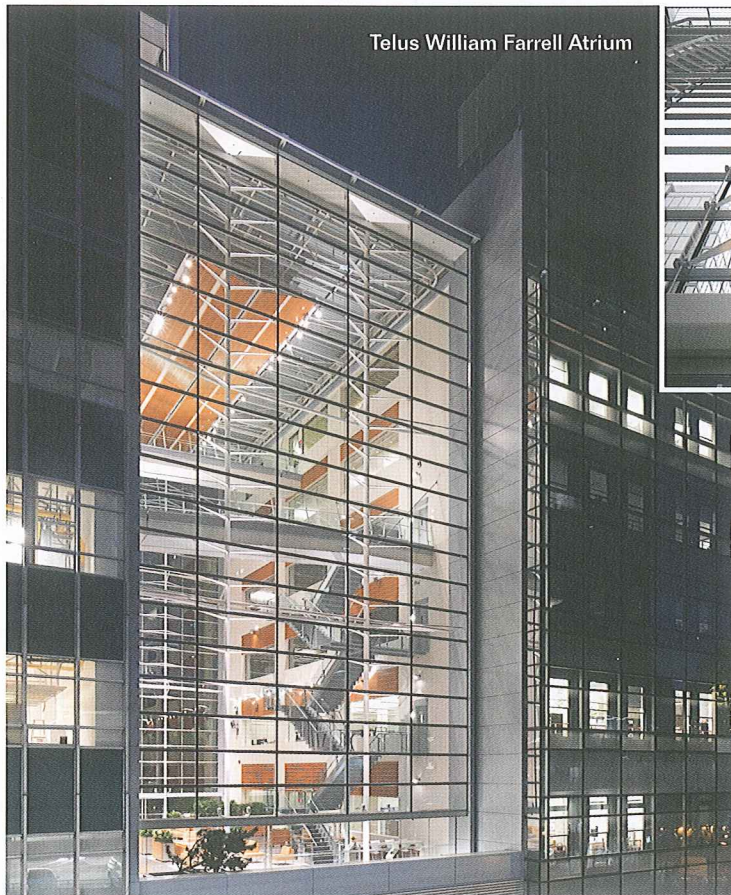


# 2007 B.C. Steel Design Awards Of Excellence

## Architectural Award *Telus William Farrell Atrium*

OWNER: Telus Corporation  
 ARCHITECT: Busby Perkins and Will  
 ENGINEER: Read Jones Christofferson  
 GENERAL CONTRACTOR: Dominion Fairmile Construction  
 CISC SUPPLIER: George Third & Son

The first phase of the Telus House project, the William Farrell Building, included extensive interior and exterior renovations of approximately 127,000 square feet of office and equipment space. The new exterior cladding created the first double-wall/triple skinned green building solution in Canada. The renovation also included a new feature space: a fully-glazed atrium 26 metres in height, between two adjacent existing buildings. It incorporates a bracing system comprised of two vertical uprights with horizontal ribs holding each of the east and west glass walls in place. The interior space features two glass and steel access bridges, and is punctuated by a dramatic open air folded-plate steel stairway, cantilevered off an elliptical column, connecting levels three through six.



Telus William Farrell Atrium



YVR Link Project

## Architectural Award — Award of Merit *YVR Link Project*

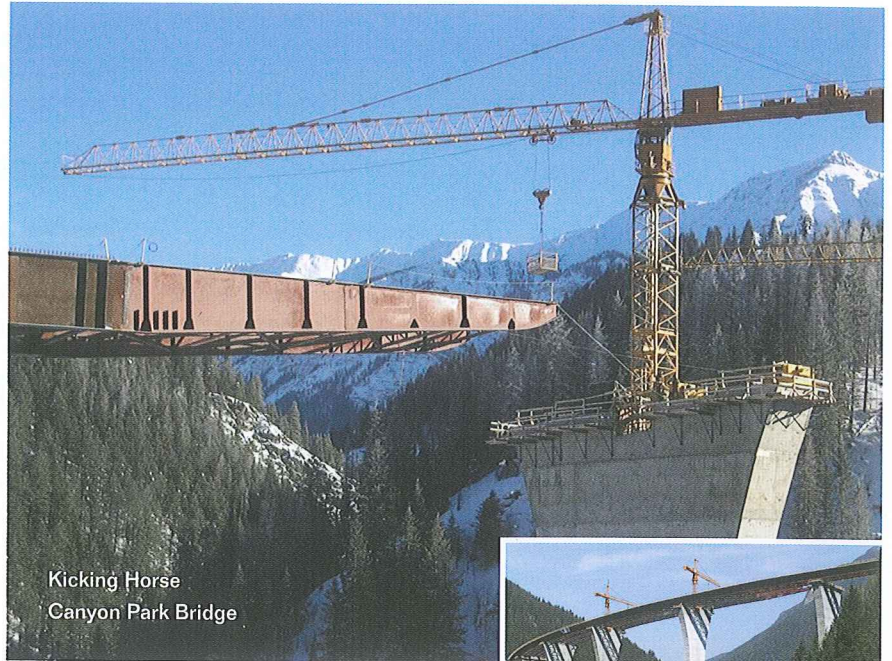
OWNER: Vancouver International  
 ARCHITECT: Kasian Architecture  
 ENGINEER: Read Jones Christofferson  
 GENERAL CONTRACTOR: Ledcor Construction  
 CISC SUPPLIER: Wesbridge Steelworks

The new five-storey Link Building connects the domestic and international terminals at YVR. It is just one of five major projects under YVR's one billion dollar capital construction program. The Link consists of 1500 tons of structural steel and required more than 1,400 templates for the steel pipes to meet the sophisticated design by Kasian Architecture. The main feature is the "Oval Thematic Structure" — a 55-foot wide by 130-foot long and 110-foot high oval frame consisting of sloping double columns, multiple ring beams and a sloping trussed roof.

## Engineering Award *Kicking Horse Canyon Park Bridge*

OWNER: BC Ministry of Transportation  
STRUCTURAL ENGINEER: Parsons Corporation  
GENERAL CONTRACTOR: Flatiron Constructors  
CISC FABRICATOR AND DETAILER: Rapid-Span Structures  
CISC ERECTOR: KWH Constructors Corp.

Replacement of the Kicking Horse Canyon Park Bridge was completed in September 2007. It included the construction of new retaining structures, upgrading of the approach curves and the construction of more than 5km of new highway. The new bridge is 400m long and 90m at its highest point above the canyon floor. It has six spans ranging from 50m to 80m. The bridge deck is over 23m wide, designed to accommodate two lanes of traffic in each direction. The superstructure consists of four main steel girders and three substringers that are supported on intermediate cross-frames. One of the most unusual features is that it is a horizontally-curved steel plate girder superstructure that has been erected by incremental launching. It is believed to be the largest of its type in North America built using this method.

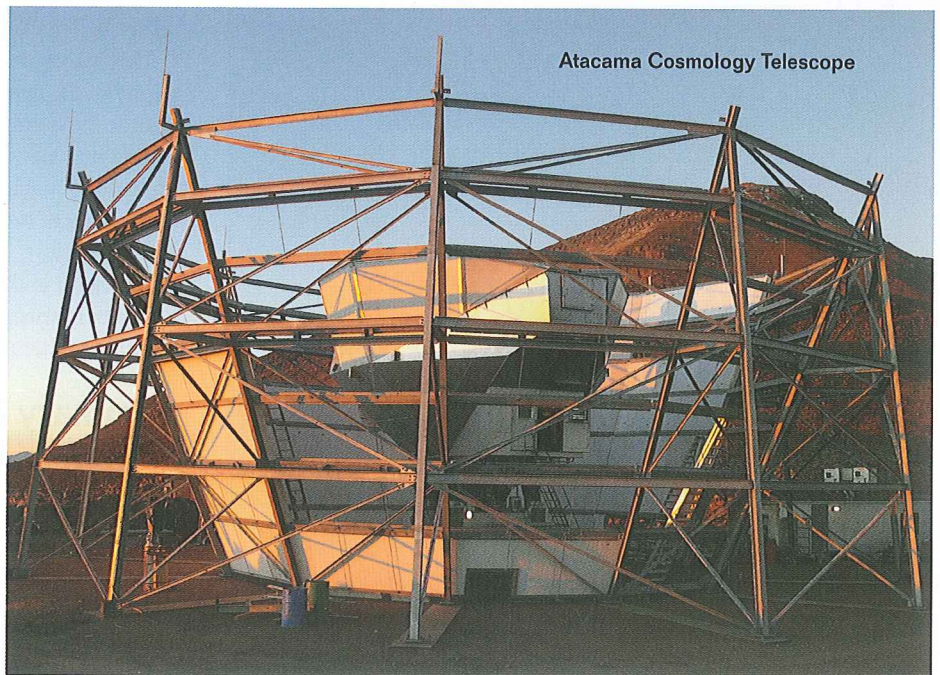


Kicking Horse  
Canyon Park Bridge

## Engineering Award — Award of Merit *Atacama Cosmology Telescope*

OWNER: Princeton University  
STRUCTURAL ENGINEER: Dynamic Structures  
GENERAL CONTRACTOR: Dynamic Structures  
CISC FABRICATOR, DETAILER AND ERECTOR:  
Dynamic Structures

The Atacama Cosmology Telescope (ACT) is located on Cerro Toco in the Atacama Desert in the north of Chile. The six-metre diameter, off-axis, millimeter-wave cosmology telescope will be used to study cosmic microwave background radiation. ACT is the first telescope of this size and kind designed specifically to make these measurements. Dynamic Structures was contracted to provide full turnkey design. The 71 primary reflector segments make up the primary mirror measuring 6.7 metres. Supported by an elevation frame and mount structure, the telescope is set inside a bowl-shaped protective ground screen framing that together measure 40 feet in height.



Atacama Cosmology Telescope