

Don Valley Brickworks chimney restoration, Toronto, Ontario, Canada

10,000 years ago in the Don Valley near Toronto, the last glacier in the area laid a deposit that formed the foundation, aeons later, for the production of clay bricks in the Don Valley Brickworks. Many of those bricks formed the basis of old buildings in Toronto. But the Brickworks fell into disuse and ruin with a sole remaining chimney marking the palce of the old heritage site. McGillivray Architects were selected to restore it.

The Chimney, built in about 1890, had serviced three adjacent downdraft kilns. The shaft had been deteriorating through the years and had become a pigeon roost! Significant cracking appeared on the east and west elevations and it was found to be leaning almost 43 inches (1.09m) to the south and a bit to the west. The corrective action was to stitch two sides together using the Cintec Anchoring System. The Cintec Canada Company had had previous experience in similar projects obtaining excellent results in what is truly corrective surgery on buildings. The restoration work also included substantial repointing and some brick replacement.



Don Valley Brickworks Contemporary Illustration

Architects:
McGillivray Architects

Contractor:
Ontario Restoration Ltd

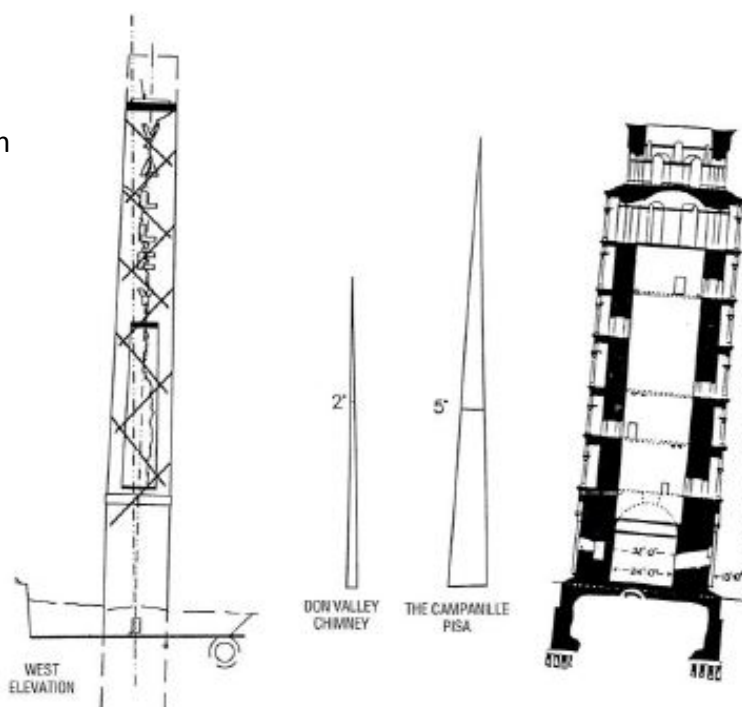
Clients:
Metro Toronto & Region
Conservation Authority
who said:

Structural Engineers:
Halsall Associates Ltd

“Over a year ago, when we first addressed the restoration and stabilisation of the chimney, we could not have foreseen the level of effort and commitment required to complete this task. However, the success achieved over these last few months has clearly demonstrated that the product was well worth the effort.”



Chimney Restoration
In Progress



Drawing of the Don Valley Brickworks Chimney in
relation to the Leaning Tower of Pisa