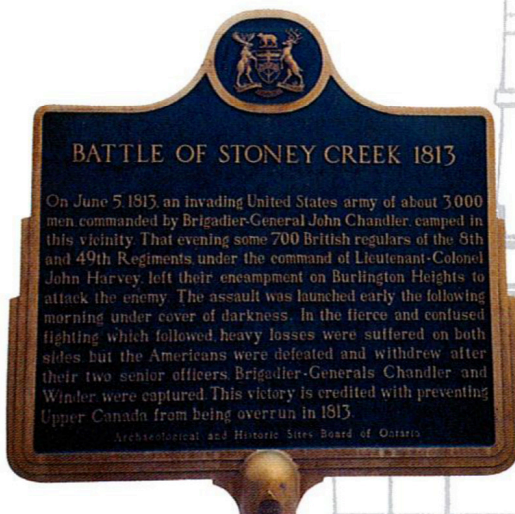
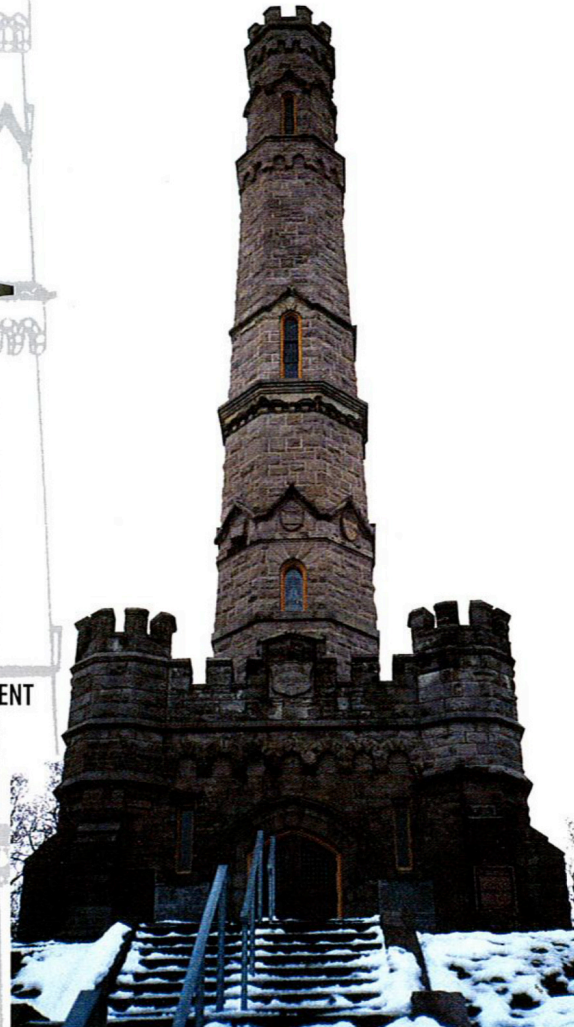
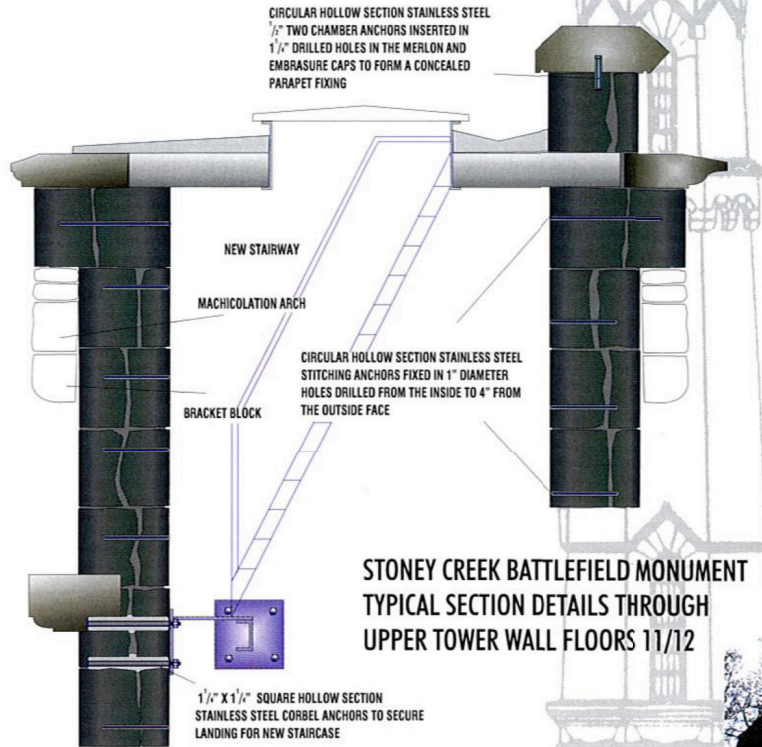


Stoney Creek, Ontario, Canada

Restoration of the 100ft (30m) Stoney Creek battlefield monument by the installation of cementitious grout anchors



The Stoney Creek Battlefield Monument is the centrepiece of Battlefield Park and was erected in 1913 exactly 100 years after the battle for which it is named. It was here that the British repelled an invading American force. The Restoration of the monument was executed by architect Alan Seymour. It consists of a slender stone tower, 100ft high, going from a castellated and tunnelled blockhouse sitting atop a steep slope approached by a monumental flight of steps. Unfortunately the monument was showing conspicuous signs of deterioration. The restoration included the installation of Cintec cementitious grout anchors to stitch the severely cracked inner and outer wythes of the lower walls. A total of 526 such anchors were used ranging from 12 to 31 inches long (305 to 790 mm), on a 2- x 4- foot (0.6 x 1.2 m) staggered grid. Following installation of the anchors, 54 cubic feet (1.53 cu.m) of conventional grout was injected. Cintec Canada Ltd provided the anchor system which will maintain the monument's structural and architectural integrity well into the next century. The citizens of Stoney Creek now enjoy their splendid monument in its full glory.