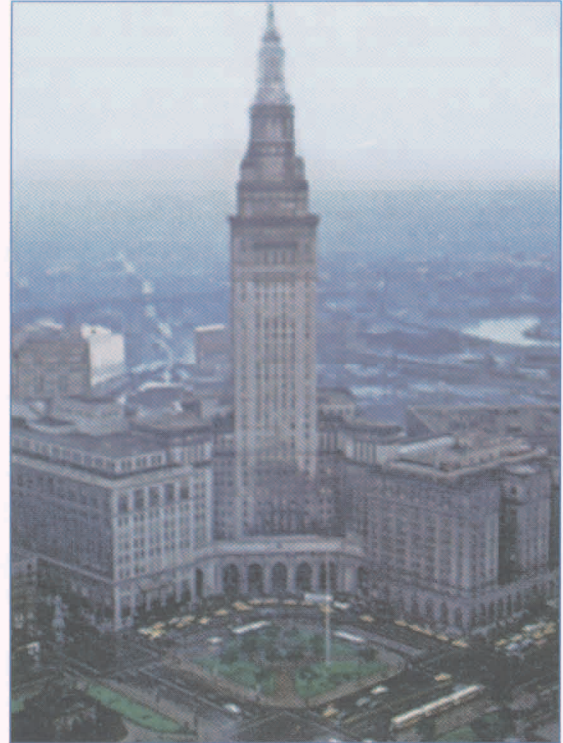


CASE HISTORY

TERMINAL TOWER, CLEVELAND, OHIO, USA

This imposing building, was once the main rail Terminus for Cleveland. It is a most significant landmark. When it was built, as part of the Van Sweringen brothers' Union Terminal, it was the tallest building outside of New York City until 1967 when Boston's Prudential Centre was built; the original design of the Terminal lacked the tower. Terminal Tower remains the second tallest building in Cleveland and Ohio, and has recently been refurbished for use as a prime commercial centre. The centre includes some of the finest shops, offices and restaurants in the City. As part of the refurbishment, parts of the masonry were in need of radical repair; Cintec was contacted. Following an inspection by the project engineers, repairs to the masonry were carried out at the same time as the contractor was inspecting the masonry from a swing stage. Cintec Anchors Type RAC with a single sock 12" (300mm) long and double sock anchors 17³/₄" (450mm) long with a 4" (100mm) sock at each end were inserted into 3/4" (20mm) diameter holes and inflated using grout filled cartridges and a caulking gun. RWT 5/8" x 5/8" x 29 1/2" (15x15x750mm) anchors were used to stitch the soffit stone at the upper band course.



Engineers

Webster Engineering Associates, Cleveland, Ohio, USA

Contractors

M.A. Building & Maintenance Co., Cleveland, Ohio, USA