

# LASERCAD® CASE STUDY

## PORT OF CALL®

### Halifax Port Authority's Challenge

Our client faced a changing market. Cruise ships had replaced break bulk cargo and the old handling facilities were no longer required in this age of container ships. Their response was to reposition the obsolete cargo handling facilities by renovating and converting them into office, retail and convention space; the Seawall project. Most notably, an old waterfront cargo shed had been converted into a large multi-purpose year round event facility, the Cunard Centre. All of the space had to be measured and certified to the appropriate standard, BOMA or SIOR, by a company with a verifiable quality standard. They turned to Turner Drake for help.

### Turner Drake's Approach

The rental units to be measured were a mixture of finished and unfinished space. Different measurement standards applied depending on the use of the space, so our Lasercad® Department had to establish which standard was appropriate, and apply it accordingly. In total there was 113,000 ft.<sup>2</sup> of space spread across four buildings, utilised for different purposes. We deployed laser equipment to measure all of the space, with a closing error of no more than 2%. The equipment allowed us to measure effectively from 25 cm to 100 metres. Manual measuring equipment was utilised for lengths under 25 cm and an electronic mitre was employed to calculate angles where walls did not meet at a right angle.

### Winning Results

Turner Drake measured all of the space to the appropriate (BOMA or SIOR) standard, drew detailed plans on their CAD system and certified the space to a closing error of not more than 2%. All of their work was completed in accordance with the ISO 9001 quality standard.

