



SEVEN ADVANTAGES OF OUR PHOTOGRAMMETRIC SURVEYS

1 - Cost: We *reduce* time and crew in the field drastically. The time required for the CAD drawings is also considerably minimized as all information is contained in the photographs, eliminating the need to return to the site for complementary information.

2 - Readiness and time saving: Photogrammetry is a fast method, particularly for site recording. Once the photographs are taken, we have *documented* the object. All further work is done in office and not affected by conditions that usually interfere in manual or other surveys.

3 - Precision: Accuracy of measurements in the real world range usually from 1:2,000 to 1:10,000. However, if required, we can obtain higher degree of accuracy. A 50 ft (15m) long object can be defined from 1/3 to 1/12 of an inch (0.8 to 0.2 cm). Complex structures can be *precisely documented*.

4 - Accessibility: We document from a *remote position*. This is advantageous for example, in structures in deteriorated state, inaccessible or high, such as high façades, pinnacles, archaeological sites, hazardous or complex sites (nuclear plants, for example) etc. Weather conditions have also little impact on the site survey.

5 - Selectivity: From the photographs, we *select elements* according to the objective of a particular survey. All photographed information is available for later rectification and drawing. Surface texture details, for example, can be initially ignored to focus on the form or structural layout.

6 - Homogeneity: All elements are surveyed and drawn with the same precision, *without unsuspected* variations on accuracy due to differences in access, on site crew, or weather conditions. High or difficult-to-reach points, for example, are surveyed to the same degree of accuracy as low or ground level ones.

7 - Flexibility: Our surveys can be executed in two separated steps. #1 - acquiring the photographs, which *swiftly and completely documents the object*. #2 - executed in office, the restitution of the photographs and production of drawings, can be done immediately or when and if the need arises (for example, in preventive documentation, should natural catastrophes occur).

PROJECT DETAILS: Document Number 10/DAP - TOWN CENTER REVITALIZATION AND FAÇADE DOCUMENTATION

The survey of façades is an important and versatile tool for planners and architects dealing with downtown revitalization. This documentation was executed for the **Kerrisdale Business Association**, in Vancouver, Canada. - Information such as location of urban furniture, buildings and windows dimensions, awnings, textures, setbacks, etc. were precisely delivered in CAD. The 1,150 ft (350 m) of façades were recorded in 14 hours of site work, with no disturbance to clients and normal activities.

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