



**PROJECT:** FIRE DAMAGE ASSESSMENT  
**LOCATION:** BEJUCAL ROAD, CHARLIEVILLE  
**OWNER:** SUN DELIGHT BAGS  
**CLIENT:** CROTON LLC  
**SECTOR:** ADVOCACY / COMMERCIAL  
**PROJECT COMPLETION:** Sep 2013

#### Project Description

We were commissioned to conduct an independent analysis of a number of bays within an existing and operational warehouse that were damaged by fire during operations. Our scope entailed the onsite assessment, visual and dimensional survey, and condition assessment of the damage done. We then carried out a detailed analysis of the fire-damaged structural components frame recommendations for modifications, refurbishment and continuance of construction.

Our overall project responsibilities were as follows:

- Review the existing as-designed drawings and specification for the entire warehouse – Total floor area of 6,000m<sup>2</sup> (over 64,000 square feet) consisting of a ground and first floor.
- Address the Client's specific areas of concern which were confined to five bays within the plastics labelling section of the warehouse – this was the source of the fire and damage extents
- Carry out physical and dimensional assessments of critical scorch damage to specific structural members, using both ground level and vertical lift equipment
- Complete STAAD analysis of frame to determine the extent of fire damage
- Final report with recommendations for use by the Client in insurance negotiations