

21 Dunlop Street Renovations

Client: Ron McCowan

Year: 2009



SERVICES PROVIDED

CCTA provided structural engineering services for conversion of a former office building to residential apartments in downtown Barrie. The building is a combination of heavy timber framing and concrete encased steel framing with concrete floors. Exterior walls consisted of load bearing brick.

The owner originally planned to convert the structure to a night club. CCTA conducted a thorough structural analysis of the building to determine the extent of reinforcing required to support the increased loading due to the proposed assembly occupancy. Ultimately, the required reinforcing was found to be too costly, and the owner opted to convert the building to residential apartments. CCTA provided structural design and construction review services for the necessary building modifications required to accommodate the conversion. Additional exits, roof top access, interior wall openings and additional window openings were provided. The renovation was successfully completed in early 2009.

Key staff: Terry Smart, Michael Sanfilippo



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