

Cyr Distribution Centre

Location:	3105 Hawthorne Road, Ottawa, Ontario
Client & Owner	Cyr Distribution Inc. c/o 7569122 Canada Inc.
Duration:	June 2010 - October 2016
Value:	\$6.9M
Services:	Mechanical Engineering Electrical Engineering

Jp2g was retained by Dynar Architects and Cyr Distribution Inc. in successive contracts to provide mechanical and electrical engineering design and contract administration services for a new 32,000 ft² food distribution centre complete with loading dock, cold storage, and office spaces.

The facility included a 10-truck-bay refrigerated loading dock, high-bay food storage refrigerator/freezer areas, and a 6,000 ft² two-storey office area.

This project was included in the Ottawa Business Journal's 2015 Book of Lists Top Construction Projects (#57).

Jp2g's design included:

- Mechanical design for building plumbing, HVAC, controls, and sprinkler systems
- Electrical design for building lighting, power, fire alarm, telephone, data, and security systems
- Coordinating the natural gas service to the building with Enbridge Gas and plumbing domestic water service with the City of Ottawa

- Mechanical and electrical design for the dedicated services to a modular, rooftop-mounted, pre-manufactured compressor machine house. The 26 ft-long by 11 ft-wide machine house weighed approximately 30,000 lbs and served as the central refrigeration plant for the building's walk-in coolers and freezers. The complete refrigeration system was designed, supplied, and installed by Parson Refrigeration (1985) Ltd., Ottawa.
- Coordinating the electrical service for the building with Hydro Ottawa including design for a new pad-mount transformer complete with 13.2 kV primary duct bank
- Coordinating the telephone service to the building with Bell Canada including design for telephone incoming service duct
- Coordinating the fibre optic service to the building with Atria Networks including design for fibre optic incoming service duct
- Submitting the electrical drawings and specifications to ESA for review and comment
- Submitting the electrical load summary to Hydro Ottawa and coordinating requirements

Jp2g also provided contract administration services during construction such as periodic site review, contractor progress claim review, and shop drawing review.

At project close-out, Jp2g handled the contractor equipment start-up review, review of Operation & Maintenance manuals, and preparation of record drawings based on as-built drawing markups provided by the contractor.

