



*Experience, Effectiveness, Excellence*



**GRILLI TOWER**

Founded in 1997, **RAILCON** is a well established presence in North American Railroad signal design. Because of our dedication to quality and reliability at the highest level, we have had contractual relationships with the majority of Class 1 railroads as well as large scale projects involving many Commuter rail systems on this continent.

**RAILCON** is located in Montreal Canada, one of the most important cities in North American railroad history. **RAILCON** has a committed staff of highly experienced Class 1 designers led by the founders Brian Scott and Andre Richard, who have a keen understanding of what it takes to satisfy the requirements and expectations of the industry:

***Excellence in functionality, reliability and safety.***

**RAILCON** achieves these standards through skill and experience with eyes and minds always open to the latest technology. The result is highest quality, timely and cost-effective service.

**RAILCON's** offices are located in the high-tech Grilli tower. All computers are fully licensed and connected to a central server through a local area network complete with fiber optic high-speed Internet access. All project work is kept on the central server and is backed up daily on DLT tapes and removed from the premises to ensure each customer's data is secure.

**RAILCON** has a wide variety of printers and plotters to meet each customer's specific plan size in black and white or color. All apparatuses are connected to the central server allowing easy access for all applications whether for plan generation or software listings.

In addition to the above, **RAILCON** has a large document scanner that allows for the digitization of older plans and subsequent design changes can be made using the latest CAD programs and cell libraries.



**FOUNDERS** ANDRE RICHARD & BRIAN SCOTT



**HEAD OFFICE**



**Contact Railcon Today!**

Call (514) 630-6789 Email [info@railcon.ca](mailto:info@railcon.ca)  
Visit us online [www.railcon.ca](http://www.railcon.ca)

Railcon Inc.  
3535 St Charles, suite #203  
Kirkland, Qc H9H 5B9





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## CONSULTANT SERVICES

### PROJECT MANAGEMENT

**RAILCON** can handle all phases of design for signaling projects, such as Preliminary Engineering, braking analysis, Route and Aspect plans, Block Design, equipment layout and writing design, relay logic design, vital and non-vital processor software design and as-wired plan updating. To ensure quality, construction, installation, and verification working closely with customer personnel throughout the entire project until completion

### PRELIMINARY ENGINEERING

Project Scope requirement / Braking Analysis / Block Design / Scaled track and signal plans / Route and aspect plans.

### DESIGN

**RAILCON** can supply the design for all levels of signaling such as single and multiple track CTC, ABS, ATS, ATC and Interlocking systems with Cab signaling as well as a full range of vital relay and vital processor based designs for highway crossing warning systems with a full integration to ensure safe operation. Our depth of experience allows us to handle the modifications and interfacing requirements at older in service signal plants, which is often a necessity when adjacent new systems are added or as preparatory staging towards total replacement of entire interlockings.

### APPLICATION SOFTWARE DESIGN

**RAILCON** has provided vital and non-vital software logic for GETS's ElectroLogic and VHLC systems, US&S MicrolokII systems, Alstom's VPI and various solid state programmable equipment including Safetran Spread Spectrum HD Link systems. For these types of projects **RAILCON** can supply Test Sheet documentation that permits the Railway to conduct a majority of the signal system vital checks at a Test Center preparatory to issuing the program to the Field.

### CIRCUIT ANALYSIS

Our staff has a wealth of experience in technical matters and extensive industry knowledge to skillfully analyze and design complex signal systems.

### OFFICE SUPPORT

Detailed Design Estimates, Detailed Material list per locations, CADD/Drafting files handled with Bentley Microstation / AutoCAD, Scanning files generated through 36" Vidar products, Reprographics plans as per customer requirement, AS-IN SERVICE · TECHNICAL SUPPORT



PROJECT MANAGEMENT



SIGNAL DESIGN



CAD SUPPORT



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