

Project Bulletin

File #98097
12/98 Boston Bar BC

C.N. Rail

- The Need:** A 10,235 sq. ft. train crew accommodation facility
- The Mission:** To design and build a high quality crew facility in a very specific time frame.
- The Solution:** BRITCO worked with CNR and consultants to ensure BRITCO's 'Modular Core Construction[®]' system, would exceed requirements.



THE BRITCO 'MODULAR CORE CONSTRUCTION[®]' SYSTEM

1	2	3	4	5	6	7	8
Contract Award 7/8/98	Notice to Proceed 7/8/98	Submission of Drawings 8/10/98	Approval Issued 9/9/98	Permits issued 9/15/98	Site Preparation 10/7/98	Delivery & Installation 10/17/98	Customer Acceptance 12/10/98

"The workmanship of Britco's staff is beyond reproach and, therefore, I have no hesitation in recommending them to anyone undertaking a construction project especially one involving modular construction".

Bruce Feltham, District Superintendent Business Management North Delta

From start to finish: 61 working days from receipt of building permit.

Project Details

Owner/Project: Canadian National Railway – 10,235 sq. ft. train crew accommodation facility

Date of Install: December, 1998

Time to Construct: 61 working days

Goal: To design & build a train crew accommodation facility at a remote site.

Project Details: The crew accommodation facility consists of 17 factory pre-built modules that exceeded the 'Canalert' and 'BC Building code' standards. The facility consists of a live-in suite for a caretaker, TV lounge, full kitchen, dining area, computer book room, laundry and 20 individual suites, each with separate washroom and shower. BRITCO provided several solutions to ensure that the strict sound attenuation guidelines, as defined in the 'Canalert' standards, were met.

Interior: Details include woodframe construction tape, filled and painted drywall on resilient channels for walls and ceilings (suites) and T-bar ceiling in common areas. Common areas are air conditioned and heated through a central air system. The suites have an individual controlled heat and a/c system that was designed to minimize exterior sound infiltration. Additional features include, custom mill work & cabinets throughout, vinyl composite tiles and carpet with underlay.

Exterior: Site applied pitched roof with 25 year asphalt shingles, cedar siding, triple glazed windows, exterior deck and entrance canopy. The exterior detailing was designed to provide a sense of comfort to train crews as they approach the facility.

Special features: After much research, a design was developed to ensure each accommodation suite achieved a STC rating over 55. The suites heating and cooling systems, were individually controlled, and designed so the noise from passing trains would not penetrate into the suites. This will serve as a model for other facilities.

BRITCO's Project Manager coordinated all the aspects of completing this project including site preparation, all service connections, paving & landscaping.

The project utilized BRITCO 'Modular Core Construction'® – the combination of concurrently scheduled site building and off-site pre-built modular units. This reduced construction time up to 50%, saved the client money & provided a high standard of construction quality not generally achievable with 'site only' construction.

Traditional Construction timeline



'Modular Core Construction'® system timeline



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