

## E S Richards

- The Need:** A 6,300 sq. ft. relocatable school annex
- The Mission:** To construct a temporary school addition that is cost-effective, time saving, and has the appearance of the existing structure.
- The Solution:** Use BRITCO's 'Modular Core Construction®' system to meet the client's time, cost, and portability requirements.



### THE BRITCO 'MODULAR CORE CONSTRUCTION'® SYSTEM

1	2	3	4	5	6	7	8
Contract Award 10/20/01	Notice to Proceed 10/20/01	Submission of Drawings 11/28/00	Approval Issued 12/04/00	Permits issued 12/04/00	Site Preparation 11/30/00	Delivery & Installation 01/16/01	Customer Acceptance 04/15/01

"Everyone here is very happy with the new addition, Britco was able to more than satisfy our set of specific needs."

School Principal

From start to finish: 125 working days

# Project Details

**Owner/Project:** Mission School District – 6,372 sq. ft. School Annex

**Date of Install:** January 16, 2001

**Time to Construct:** 125 working days.

**Goal:** To design, build, and install a relocatable school addition that meets the Ministry of Education's budget requirements.

**Project Details:** The school annex consists of eleven modules of various sizes that were designed to match the existing facility. The structure provides 11 classrooms and a science lab divided by a 16' vaulted corridor that was designed to provide a feeling of openness.

**Interior:** Finishes are painted drywall with vinyl tile flooring. The wall and ceiling insulation levels exceed local building codes, windows feature a high-quality vinyl frame with 1/2" air space, the heating system is controlled with an advanced system of set back functions designed to minimize gas consumption. The corridor features a 16' vaulted ceiling, classroom modules were designed with an open web steel joist roof system with a sound absorbing perforated steel decking system.

**Exterior:** Distinct features include 'Hardi-plank' and 'panel' finishes which match the existing school, and a specialized floating slab foundation system which was built to resist and protect against poor soil conditions.

**Special features:** Individual classroom gas fired unit ventilators with built-in controls programmable and managed by a PC. An advanced 'Direct Digital Control' intruder alarm system with remote monitoring capabilities.

BRITCO's Project Manager worked throughout the various stages of the project and was heavily involved in the design, management, and installation of the complex.

The project was completed using BRITCO's 'Modular Core Construction®' system which combines site building and factory built construction methods. The concrete foundation and vaulted corridor were built on site while 80% of the facility was completed within BRITCO's factory. This process provided the client with valuable

## Traditional Construction timeline



## 'Modular Core Construction®' system timeline



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