

March 5, 1998

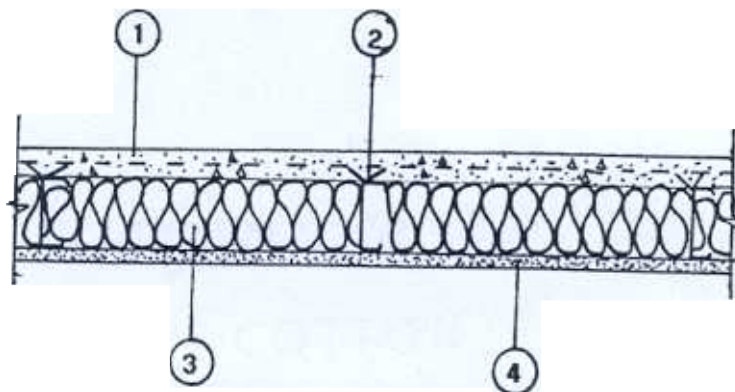
Composite Building Systems Incorporated
P.O. Box 1486
La Canada, California
U.S.A. 91012

Attention: Paul M. Clark, Jr.

Dear Sir:

Re: One Hour Rated Exterior Wall Design for Chevron Corporation, Food Mart, Vista, CA

The following exterior wall design using Composite Building Systems Incorporated concrete/steel stud wall system will provide a one hour fire resistance rating, load bearing, in accordance with ASTM E-119 and the Uniform Building Code requirements. This determination is based on our experience in testing gypsum wallboard and similar concrete wall assemblies.



1 **Exterior Concrete** - Minimum 2 in. thickness normal density concrete (2800 PSI @ 28 days) reinforced with 6 in. by 6 in., 2.9 by 2.9 welded wire fabric mesh.



2 **Composite Steel Studs** - "MetalCrete™" minimum 18 gauge, 4 in. depth or larger galvanized steel studs and proprietary composite connectors located 24 in. on centres maximum.



3 **Insulation** - Fibreglass batt insulation filling stud cavities.



4 **Gypsum Wallboard** - 5/8 in. Type X gypsum wallboard, installed vertically and fastened with 1-1/4 in. screws located 8 in. on centres. All joints and screw heads to be taped and filled.

12



Intertek Testing Services NA Ltd.

211 Schoolhouse Street, Coquitlam, BC V3K 4X9 Canada
Telephone 604-520-3321 Fax 604-524-9186 Home Page www.worldlab.com

Composite Building Systems Incorporated

March 5, 1998

Page 2 of 2

This design is valid for the site mentioned and other similar projects where the maximum load shall be in accordance with Composite Building Systems Incorporated structural design specifications.

Yours truly,

INTERTEK TESTING SERVICES NA LTD.

Warnock Hersey

A handwritten signature in black ink, appearing to read "M. van Geyn". The signature is written in a cursive style with a large initial "M" and a distinct "Y" at the end.

Michael van Geyn, A.Sc.T.

Manager

Fire Testing Laboratory

MVG/gr

C:\WPWIN\490\LTR\COMPOSIT.MAR