

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Richard C. Visconti, R.A., Acting Commissioner
MEA 254-00-M

Report of Material and Equipment Acceptance Division

Manufacturer - Amanco Group of Companies, Avenue del Ferrocarril 16-67, Zona 12,
Guatemala City, Guatemala.

Trade Name - Plycem.

Product - Noncombustible 1 1/2 hour fire rated floor/ceiling assembly.

Pertinent Code Section(s) - 27-323, 27-324.

Prescribed Test(s) - RS 5-2 (ASTM E119).

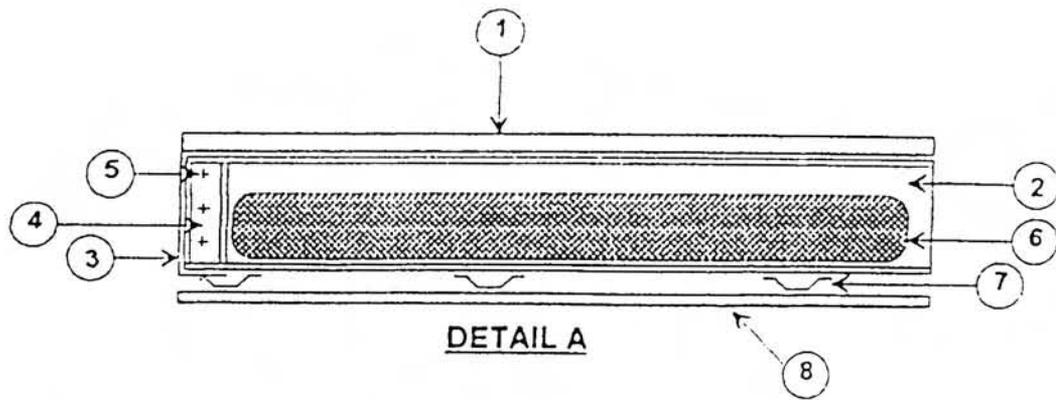
Laboratory - VTEC Laboratories Inc.

Test Report(s) - Report No. V100-391, dated September 17, 1993.

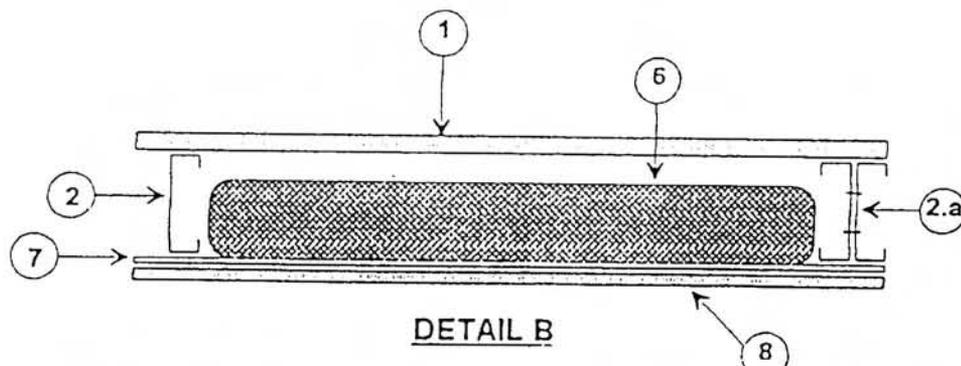
Description - Noncombustible floor/ceiling assemblies, as per sketches below utilizing the Plycem Fiber Reinforced Cement Board and one layer of accepted 5/8 inch thick Firecode Type 'C' gypsum board in achieving the fire resistance ratings listed below and in accordance with VTEC Laboratories Project No.V100-391.

Fire Resistance Ratings:

Restrained Assembly - 1 1/2 Hr.



1. Plycem Fiber Reinforced Cement Board, 20mm (3/4" nominal) minimum thickness screw fastened to top flanges of steel 'C' joists with #10 x 1-1/2" corrosion resistant self-drilling 'Tek' screws. Fastener spacing 12" oc
2. Galvanized steel 'C' joists, 8" minimum depth x 18 gauge minimum thickness x 1-5/8" minimum flange width. Joist spacing 24" oc maximum.
- 2.a Doubled galvanized steel 'C' joist at side wall
3. Galvanized steel 'perimeter channel' receiving ends of 'C' joists, 18 gauge minimum.
4. Galvanized steel web stiffener, 3-5/8" x 18 gauge, placed inside 'C' joist flange.
5. Corrosion resistant #10 x 1/2" self-drilling 'Tek' screws fastening web stiffener to 'C' joist web.
6. Mineral wool insulation batts, 4" thick x 4 pcf density, in joist cavity.
7. Drywall furring channels spaced 16" oc, each leg screw fastened to bottom flange of 'C' joist with #8 x 1/2" corrosion resistant self-drilling 'Tek' screws.
8. Single layer of 5/8" Firecode Type 'C' gypsum board fastened to furring channels at 8" oc with #6 x 1" drywall screws.



Recommendation - That the above described noncombustible floor/ceiling assembly be accepted as having the fire resistance rating indicated, provided that the assembly is constructed in accordance with the testing laboratory's requirements and manufacturer's recommendations. This acceptance does not include structural adequacy of floor/ceiling design, which must be checked for particular structures for compliance with the Building Code at the time of plan examination by department engineers. All shipments and deliveries of the above accepted material shall be accompanied by a certificate or label certifying that the material shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance JUL 24 2000

Examined by S Derkshdam