



NYC Department of Buildings  
280 Broadway, New York, NY 10007

Patricia Lancaster, FAIA, Commissioner

W7 C  
File

Donald Gottfried, P.E., Director  
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November 21, 2007

Mr. Neil Schultz, Executive Director  
VTEC Laboratories, Inc.  
212 Manida Street  
Bronx, NY 10474

Re: World Trade Center Transportation Hub  
(Path Station), Vesey Street between West  
Broadway and West Street  
Request for Site-Specific MEA approval for  
InterChar 212 Intumescent Fire Protection System

Dear Mr. Schultz:

This Department has received your letter dated October 27, 2006 in regards to the above referenced subject.

Please be advised that as per the Memorandum of Understanding (MOU) between the Department of Buildings and the Port Authority of New York and New Jersey, such request for a site-specific MEA approval shall be presented by the Port Authority.

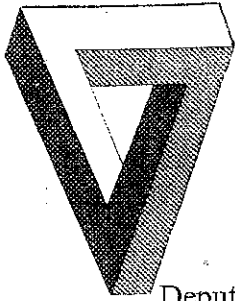
Sincerely,

A handwritten signature in black ink, appearing to read "Donald Gottfried".

Donald Gottfried, P.E.  
Director, MEA Division

DG:dw

C: Fatma Amer, P.E., Deputy Commissioner



# VTEC Laboratories Inc.

NYC DEPT. OF BUILDINGS  
TECHNICAL AFFAIRS  
RECEIVED  
2007 OCT 30 P 12:01

26 October 2007

Deputy Commissioner Fatma Amer  
New York City Department of Buildings  
Materials / Equipment Acceptance Division, 7<sup>th</sup> Floor  
280 Broadway  
New York, NY 10007

Subject: World Trade Center Transportation Hub (Path Station), Vesey Street between  
W. Broadway and West Street, Bin 1081985, Block 58, Lot 1, Job / Document # WTC-  
284.458GC, Interchar 212 Intumescent Fire Protection

Dear Deputy Commissioner Amer,

International Paint is requesting a job specific MEA number for the above-identified location.

The drawings for this project have recently become available for review. The area that will have the Interchar 212 applied is noted as "Occupancy Class – Public space other than NFPA 130 spaces – Class "C" Mall Retail Spaces – Class "C" mercantile". See drawing A101 Work Package No.8, WTC – 284.458, April 20, 2007. Hence, the smoke requirements would fall outside those indicated in Section 27-348(d) of the NYC Building Code. The International Building Code (IBC), Chapter 8 INTERIOR FINISHED, Section 803 Wall and Ceiling Finished Identifies a "Class A: flame spread 0-25; smoke developed 0-450." The mercantile classification in the IBC is M and would require anywhere from an A to C flame spread / smoke rating (Table 803.4) depending on location, where A is only for one location "Vertical exits and exit passageways".

The 20% rule as listed in the NYC Building Code Interior Section 27-348 Interior Finish (c) (4) would not apply.

The Port Authority clearly indicates on drawing A408 Work Package No.8, WTC – 284.458, April 20, 2007 "intumescent fireproofed" is required on the structural steel.

Based on the above information and attached substantiating documents the proposed material should meet the criteria of the NYC Building Code and the IBC for MEA approval.

Do not hesitate to contact VTEC if there are any questions.

Very truly yours,  
Neil Schultz  
Executive Director

Encls:

rating of at least one hour.

(b) the space is in a single tenancy.

(c) glass or slow burning plastic is used for glazing.

§[C26-504.9] 27-347 **Folding partitions.** -Folding partitions shall not be used as partitions that are required by this code to have a fire-resistance rating.

(a) **Construction group I.** - In buildings of construction group I, folding partitions may be used if they are constructed of noncombustible materials, or of fire retardant treated wood, or are constructed of noncombustible frame covered with fabric that has a class A interior finish rating. Where partitions of combustible materials are permitted by section 27-346 of this article, folding partitions may also be constructed of combustible materials. Where doors constructed of materials having a class C interior finish rating are permitted by section 27-348 of this article, folding doors may be constructed of combustible materials.

(b) **Construction group II.** - In buildings of construction group II, folding partitions may be constructed of combustible materials, surfaced with interior finish materials meeting the requirements of section 27-348 of this article.

§[C26-504.10] 27-348 **Interior finish.** -

(a) **Definition.** - For the purposes of this section, interior finish shall mean those materials that form the exposed interior surfaces of a building and that are part of or affixed to walls, fixed or folding partitions, ceilings, and other construction elements.

(b) **Classification.** - Interior finish materials shall be classified in accordance with the surface flame-spread rating obtained as prescribed in the provisions of reference standard RS 5-5. Where an interior finish material is comprised of two or more materials laminated, glued, nailed, or otherwise secured together, the test rating for flame spread shall be based upon the composite of the materials in the form in which it will be used in construction. Interior finish materials shall be grouped in the following classes, in accordance with their surface flame spread characteristics:

Interior Finish Class	Flame Spread Rating
A	0 to 25
B	26 to 75
C	76 to 225
D	Over 225

(c) **Requirements.** - Interior finishes and exposed structural or construction materials shall have a flame-spread rating not greater than that designated by the class prescribed for the various occupancy groups in

which they are used, as listed in table 5-4. Exceptions to these requirements are:

(1) Finish flooring and floor coverings, which are subject to the requirements of section 27-351.

(2) Wall coverings and coatings that are less than 0.036 in. [sic] in total thickness, when applied directly to a noncombustible, or fire-retardant treated wood, substrate.

(3) Exposed structural members and planking in buildings of class II-A construction, which may be left exposed in any room or space, except in exits.

(4) Twenty per cent (20%) of the aggregate wall and ceiling area of any room, space, or corridor required to have a class A or B rating may be finished with materials having a class C rating. This allowance shall include the area of doors, folding partitions, windows, glazing, skylights, luminous ceilings, trim, bases, chair rails, panels, moldings, etc. This exception shall not operate as a waiver of other requirements of this code relating to opening protectives.

(5) When a sprinkler system is provided in any room or space, and is installed in compliance with the construction provisions of subchapter seventeen of this chapter, interior finish materials may be one class higher in flame-spread rating than required by table [sic] 5-4.

(d) **Smoke density.** - No material shall be used for interior finish in the following locations if the material develops smoke in greater density than the rating shown, based upon a test conducted in accordance with the provisions of reference standard RS 5-5. Materials used for interior finish that cover not more than twenty percent of the aggregate wall and ceiling area of any room, space, or corridor shall be exempt from the above requirements.

Location or Occupancy.....	Smoke Developed Rating
Exits, Corridors.....	25
Occupancy groups H-1 and H-2.....	50
Rooms in which the net floor area per occupant is ten square feet, or less.....	100

(e) **Toxicity.** - No material shall be used in any interior location that, upon exposure to fire will produce products of decomposition or combustion that are more toxic in point of concentration than those given off by wood or paper when decomposing or burning under comparable conditions.

(f) **Attachment of interior finish.** -

(1) To be credited with the same rating, interior finish materials that were applied to a substrate when tested shall be applied at the building to an equivalent substrate.