



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
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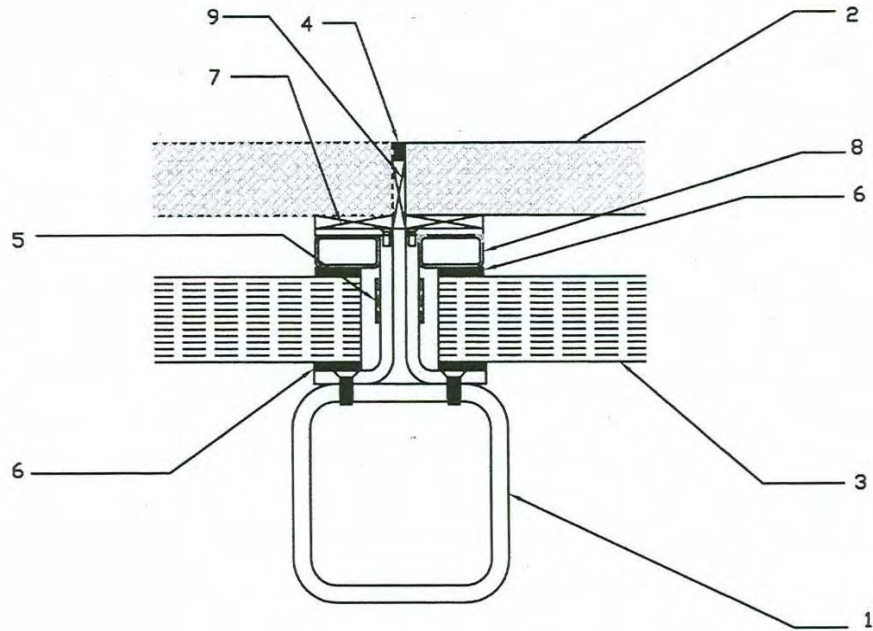
Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 293-05-M

Manufacturer:	Roger Wilde Limited, Chareau House, 1 Miles Street, Oldham, United Kingdom OL13NV
Trade Name(s):	Liteflam
Product:	Fire-rated glass floor assembly
Pertinent Code Section(s):	27-323 and 27-324
Prescribed Test(s):	RS 5-2 (ASTM E 119)
Laboratory:	Southwest Research Institute (SWRI)
Test Report(s):	SWRI project No. 01.07234.01.001 dated January 2004 and letter dated November 15, 2006

Description: Fire-rated load-bearing glass floor assembly consisting of the following components: Structural steel support brackets and framing members, 33-mm structural glass identified as ECKELT LITEFLOOR 33/3, 38.8-mm fire rated glass identified as CF90 N2 VETROTECH FIRE RATED GLASS, glazing brackets for fire rated glass panels, and galvanizing frames for structural glass panels. The frames and support steelwork are painted with intumescent paint. The assembly was designed in accordance with SWRI design for a maximum load of 100 lb/sq. ft. as described on the following page.

FLOOR/ CEILING ASSEMBLY
 MAXIMUM LOAD 100 lbs/sq.ft.



1. STEEL FRAMING MEMBERS - MINIMUM 4 in. x 4 in. x 3/8 in. (100mm x 100mm x 8mm), HSS AND APPROPRIATE END CONNECTOR BRACKETS, PRIMED AND PAINTED WITH 2700 MICRONS (DRY THICKNESS) OF FIRETEX M79 Q.D. INTUMESCENT PAINT APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STRUCTURAL STEEL PROTECTION TO BE AS PER LISTING TO ACHIEVE REQUIRED FIRE RESISTANCE RATING. STEEL GLAZING SUPPORT CHANNELS FASTENED TO TOP OF MEMBERS AS SHOWN.
2. STRUCTURAL GLASS - ECKELT LITEFLOOR 33/3; 1-3/8 in. (33mm) THICKNESS, MAXIMUM INDIVIDUAL LITE SIZE 52 in. x 60 in. (1314mm x 1503mm). LOAD LIMITED TO STRUCTURAL CAPACITY OF STRUCTURAL GLASS BASED ON SIZE OF PANE. REFER TO MANUFACTURER'S SPECIFICATIONS FOR LOAD LIMITS.
3. FIRE RATED GLAZING - 90 MINUTE RATING VETROTECH SAINT - GOBAIN CF-90 NS; 1-3/4 in. (38mm) THICKNESS. MAXIMUM PANEL SIZE 52 in. x 60 in. (1314mm x 1503mm)
 60 MINUTE RATING VETROTECH SAINT - GOBAIN EI30; 0.81 in. (20.76mm) THICKNESS. MAXIMUM PANEL SIZE 59 in. x 59 in. (1.5M x 1.5M).
4. SEALANT - DOW CORNING SILICONE SEALANT
5. INTUMESCENT PAPER - 3/4 in. (20mm) (BLAH PAPER)
6. CERAMIC TAPE - 1/4 in. THICK X 3/4 in. (6mm x 22mm) KERAFIX CERAMIC FIBRE TAPE COMPRESSED TO 1/8 in. (4mm)
7. SILICONE PAD 1/4 in. x 1-1/2 in. (6mm x 36mm); 60 SHORE HARDNESS WITH ADHESIVE ON ONE SIDE TO FASTEN TO TOP OF STEEL CHANNEL
8. GLAZING FRAME - 1-1/4 in. x 5/8 in. x 1/16 in. (30mm x 15mm x 1.5mm) STEEL TUBE
9. SOLID SILICONE STRIP - 1/4 in. x 1-3/8 in. (6mm x 33mm) WITH 60 SHORE HARDNESS

Terms and Conditions: The above-described 1½ hour fire-rated floor assemblies, installed and secured as described, are accepted as having the fire resistance ratings listed, under the following conditions:

1. Members framing into the column shall have at least the same fire resistance rating and be installed in accordance with the SWRI design and the manufacturer's requirements.
2. The installation of the fireproofing material shall be subject to Table 3-4 and the controlled inspection requirements of Section 27-132 of the New York City Building Code.
3. All shipments and deliveries of the materials comprising this assembly shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the New York City Building Code.

Final Acceptance December 7, 2006

Examined By Sium Derphidan