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.

Satish K. Babbar, R.A., Acting Commissioner

MEA 296-00-M
Report of Material and Equipment Acceptance Division

Manufacturer – Multilink Broadband, 580 Ternes Avenue, Elyria, Ohio 44035.
Trade Name – Netfloor.
Product - Low profile access flooring.
Pertinent Code Section(s) - 27-348, 27-339(c)(1), 27-133 and 27-351 (b).
Prescribed Test(s) - ASTM E136 (Noncombustible raised steel floor).
Laboratory - Twin City Testing.
Test Report(s) - Report No. 030161 dated May 31, 2000.

Description – The Netfloor AD760 Cable Management low profile flooring system consists of five main components. These main components are referenced in parenthesis. The sound absorption blanket (1) (used with concrete base floor, other base floors blanket is optional) is rolled out over the floor surface and adhered to the floor using a spray tack adhesive. The unipanel (2) is 16.14" x 16.14" x 3.11" is composed of a steel top and steel pedestals. The unipanel interlocks at each corner with a plastic non-load bearing base connector (3) 10.08" x 10.08". The unipanel interlocks with the base connector and raceways are inherently formed both vertically and horizontally on approximately 20" centerlines. After data and cable infrastructure is routed through Netfloor, the raceways are covered with steel flank caps (4) 7.36" x 4.790 and steel central caps (5) 4.91" x 4.91". After completion of these steps, the area is ready for carpet or tile floor covering material

Recommendation - That the above described access floor system be accepted as meeting the fire requirements of Section 27-351 (b) under the following conditions:

1. All buildings in which the access floor system is installed shall be fully sprinklered.

2. A building permit shall be required for the installation of any access floor system. Necessary mechanical, electrical, including all other permits as needed, plumbing permits will be required prior to the installation of any electrical wiring, fire protection systems, HVAC systems or other equipment within a new or existing access floor system.

3. Structural plans shall be subject to a controlled inspection. Complete details and material specification of the floor panels, stringers, pedestal assembly, and connections shall be indicated on the plans filed at the local Buildings Department. The existing floor shall be investigated for additional floor and equipment loads. Where an access floor is intended to be used for electrical wiring, telephone cabling, electronic communications or data cabling, fire protection systems or HVAC systems, appropriate electrical, mechanical and fire sprinkler plans shall be submitted and approved by the local Buildings Department.

4. The overall height of the access floor system shall not exceed 3.2 inches.

5. Areas below access floors shall not be used for storage purposes.

6. Required fire-rated walls (corridor walls, occupancy separation walls, etc.) shall extend through the access floor to a fire-rated floor below. Any penetrations of these walls permitted by the Building Code for openings in such walls.

7. When a building contains a raised access floor system, signs containing the words "Raised Access Floor" in 1-inch high block letters with 1/4 inch thick strokes shall be posted as follows:

   a. Adjacent to the stairway numbering sign on floors where the entire floor level consists of a raised access floor system.
   b. Adjacent tot he entrance to rooms or areas containing the access floor when the entire floor level does not contain access floor system.

8. The weight of the steel floor shall be added to the dead load of the building. The live loads and dead loads and deflection, shall meet the requirements of the New York City Building Code.

9. The access floor system shall be installed in accordance with the requirements of the Building Code and manufacturer's instructions, if more restrictive.

10. The area below access floors shall not be used as a plenum.

11. Floor panels shall not exceed 16.14" x 16.14" in size. An access floor may be only covered by resilient tile or carpet square no larger than 16.14" x 16.14" in size which may easily be removed by the Fire Department.

12. Areas below access floors shall be separated as per Section 27-339 of the New York City Building Code by use of noncombustible draft stops. The draft stops shall consist of minimum 2 layers of 5/8" fire rated gypsum board or a minimum 22 gauge ferrous metal and shall be installed in a manner satisfactory to the Department. Penetrations of the draft stops shall be allowed without protection but shall be reasonably tight fitting.

13. The access floor system shall have 1% smoke relief openings on the perimeter of each 7500 sq. ft. separated area or fraction thereof. These openings shall not present a tripping or personal walking hazard.

14. All electrical wiring methods, installation of cables and conduits permitted beneath the access floor shall conform to the requirements of the New York City Electrical Code.

15. Insert cavity modules used for electrical outlets or for providing access to data and telephone cable shall be in accordance with provision of New York City Building Code and Electrical Code.

16. The access floor system shall not be installed in corridors. Ramps where required shall comply with Local Law of 58, 1987 and A.D.A. and Disable Access regulations.

17. Any floor covering shall comply with the requirements of the New York City Building Code.

18. Components of the access floor system shall be identified by the manufacturer's name, product designation, and name of fabricator and shall be provided with a tag, suitably placed, certifying that material shipped or delivered equivalent to that tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance SEP 25 2000

Examined By S Derkhudam