

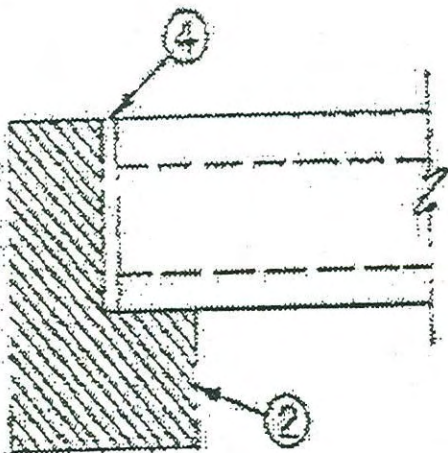
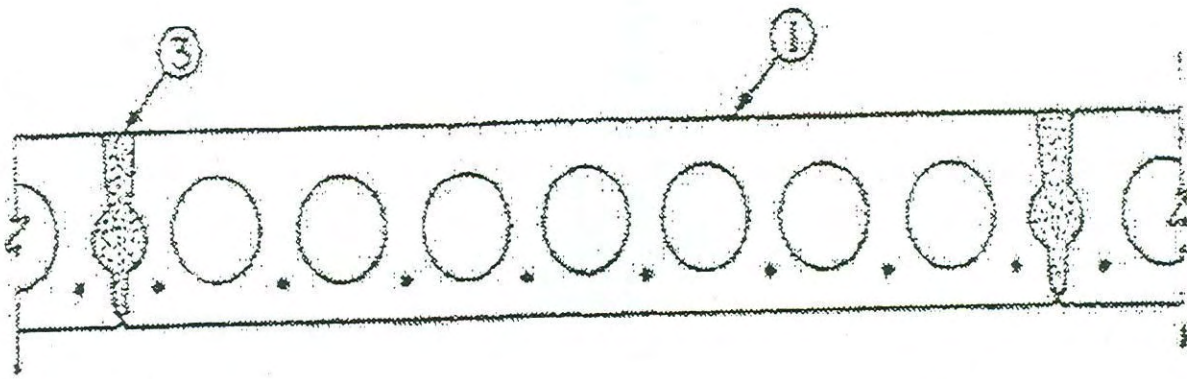
CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

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.

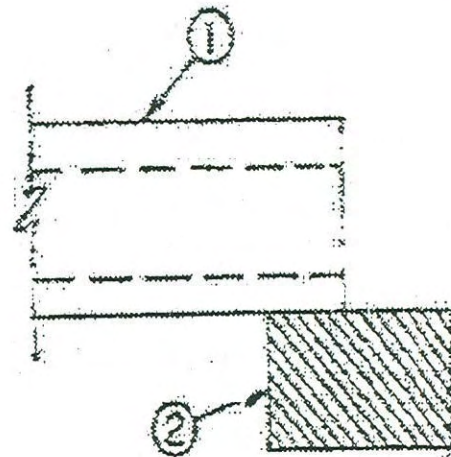
Patricia J. Lancaster, F.A.I.A., Commissioner

MEA 262-02-M
Report of Material and Equipment Acceptance Division

Manufacturer – New York Precast, LLC., 6 Kieffer Lane, Kingston, New York 12401.
Trade Name(s) – New York Precast, LLC.
Product - Prestressed, precast reinforced concrete slabs for floor/ceiling assemblies.
Pertinent Code Section(s) – 27-323, 27-324.
Prescribed Test(s) – RS 5-2 (ASTM E119).
Laboratory – Underwriters Laboratories Inc.
Test Report(s) – UL file R21711, Project 04CA05881, & Project 03CA2031 dated March 9, 2004.
Description – Floor/ceiling assemblies, as provided, utilizing the Dynaspan prestressed, precast hollow core concrete slab reinforced in one direction with a maximum of (8) strands of wire (conforming to the requirements of ASTM A416) with or without cementitious underlayment mixture applied to the specified thickness to achieve the fire resistance ratings listed below and in accordance with Underwriters Laboratories, Inc., Design Nos. J928 and J929.



Restrained
End Detail



Unrestrained
End Detail

1. **Precast Concrete Units*** — 8, 10 and 12 in. deep units. Normal weight aggregate. Cross-section similar to the above illustration.

New York Precast LLC.

2. **End Details** — Restrained and Unrestrained. Min bearing 1-1/2 in.

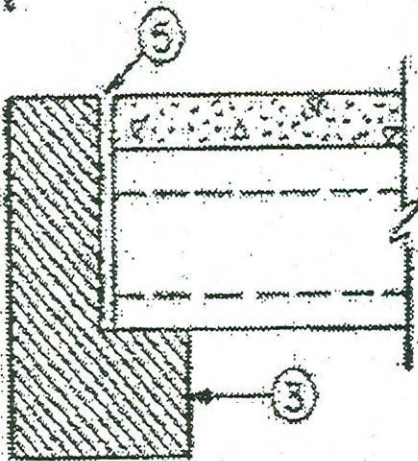
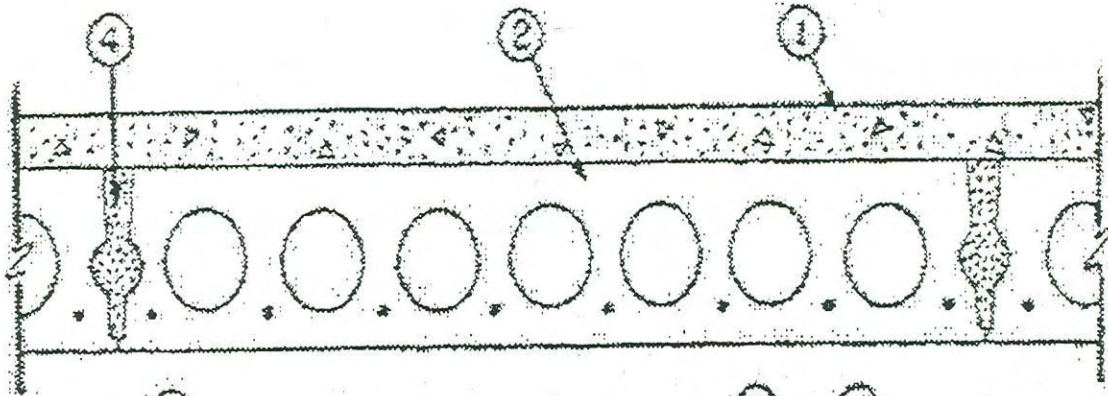
3. **Joint** — Clearance between slabs at bottom, full length, 3/16 in. min, 7/16 in. max, grouted full length with sand-cement grout, 3500 psi min.

Note: A 3/4-in. expansion joint to be provided the full length and depth of the slabs every 12 ft for 4 ft wide units and every 16 ft for 8 ft wide units. Expansion should be obtained with noncombustible, compressible material, for example: 24 sheets of 1/16-in. thick ceramic fiber paper.

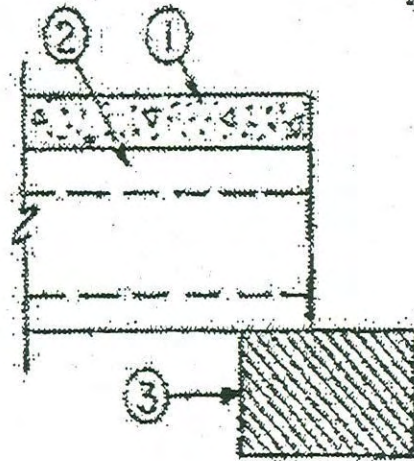
4. **End Clearance** — Clearance for expansion at each end of slabs shall be equal to

Restrained Assembly Ratings — 3 and 4 Hr.

Unrestrained Assembly Rating — 2 Hr.



Restrained
End Detail



Unrestrained
End Detail

1. **Concrete Topping** — 3000 psi compressive strength, 150 +or- 3 pcf unit weight. Normal weight aggregate.

Rating Hr	Mtd Thkns In.
2	0
3	0
4	1

2. **Precast Concrete Units*** — 8, 10 and 12 in. deep units. Normal weight aggregate. Cross-section similar to the above illustration.

3. **End Details** — Restrained and unrestrained. Min bearing 1-1/2 in. for assembly rating of 3 hr or less and 3 in. for assembly rating of 4 hr.

4. **Joint** — Clearance between slabs at top, full length, min 3/16 in., max 7/16 in.,

grouted full length with sand-cement grout, 3500 psi min.

Note: A 3/4-in. expansion joint to be provided the full length and depth of the slabs every 12 ft. Expansion should be obtained with noncombustible, compressible material, for example: 24 sheets of 1/16 in. thick ceramic fiber paper.

5. **End Clearance** — Clearance for expansion at each end of slabs shall be equal to $L/17$ ($3/16$ +or- $1/16$) in., where "L" is equal to length of span in feet.

Recommendation - That the assembly shown above be accepted as having the hourly fire resistance ratings listed for floor and ceiling assemblies provided the following conditions are complied with:

1. Structural requirements shall comply with Article 10, Reference Standard RS 10-3 and other applicable provisions of the Building Code.
2. Minimum bearing on supports as specified in UL File must be provided. The acceptance of this assembly is limited to fire resistance only. Structural and other requirements shall be in compliance with pertinent Building Code provisions an above mentioned limitations.

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, 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 Building Code.

Final Acceptance April 30/04

Examined By S Deshpande