

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

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

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

MEA 291-03-M
Report of Material and Equipment Acceptance Division

Manufacturer – Glenwood Masonry Products, 761 East 42nd Street, Brooklyn, New York 11210.

Trade Name – Glenwood Masonry.

Product – Concrete Block for use in fire rated wall assemblies.

Pertinent Code Section - 27-323, 27-324.

Prescribed Test - RS 5-2 (ASTM E-119).

Laboratory – Underwriters Laboratories Inc.

Test Reports – UL File R18100 Project 95NK15446, letter dated August 18, 1995, and UL letter dated September 11, 2003.

Description – Concrete block for use in fire rated wall assemblies to achieve the fire resistance rating listed below in accordance with Underwriters Laboratories Inc.'s Design Nos. U901, U904, and U905.

1. **Concrete Blocks*** — Various designs. Classification B-4 (4 hr).

See Concrete Blocks category for lists of eligible manufacturers.

2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster** — If used, add 1/2 hr. to Classification.

4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, burned clay or shale (rotary kiln process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation, Class D-2 (2 hr) or C-3 (3 hr) concrete blocks will provide a 4 hr fire resistance rating.

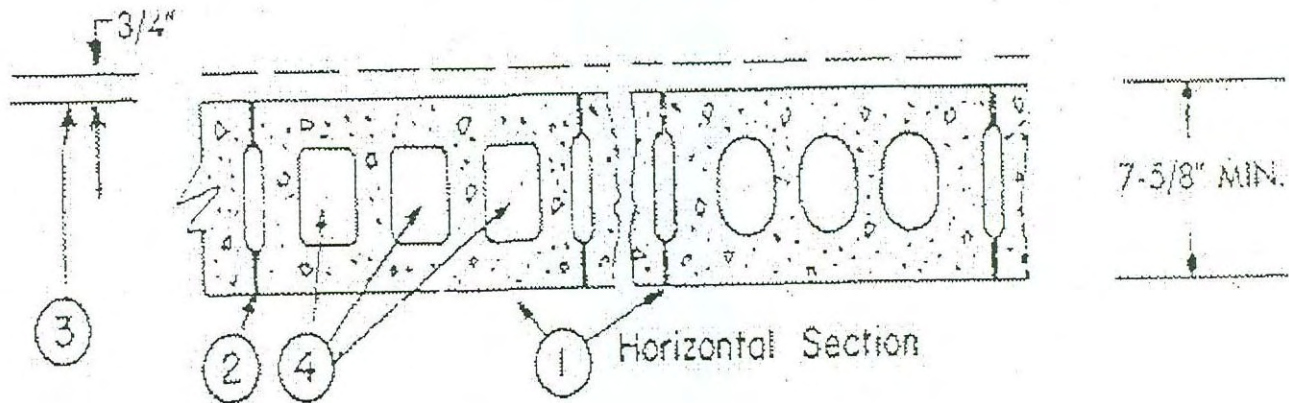
*Bearing the UL Classification Mark

Design No. U904

January 02, 1997

Bearing Wall Rating — 3 HR.

Nonbearing Wall Rating — 3 HR.



1. **Concrete Blocks*** — Various designs. Classification C-3 (3 hr).

See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 1 hr to Classification.

5. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

BPB AMERICA INC — Type Thermax

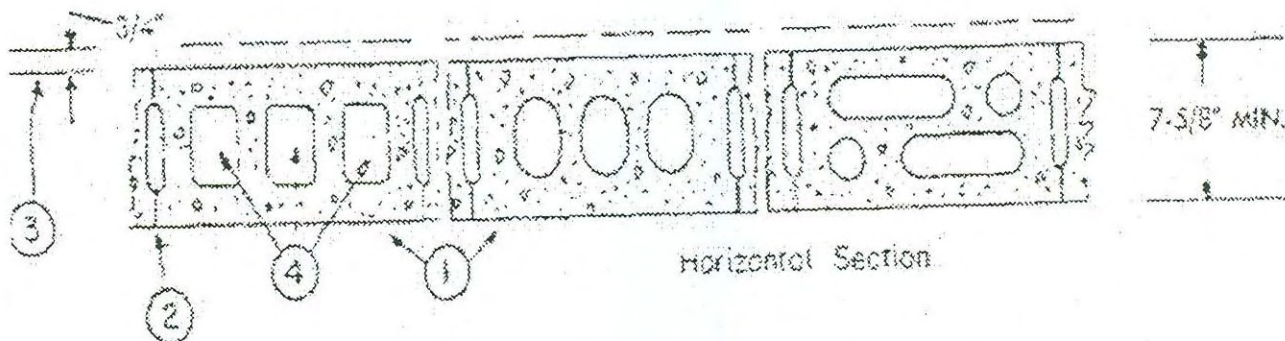
*Bearing the UL Classification Mark

Design No. U905

January 02, 1997

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR



1. **Concrete Blocks*** — Various designs. Classification D-2 (2 hr).

See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

BPB AMERICA INC — Type Thermax

*Bearing the UL Classification Mark

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. **The acceptance of this assembly is limited to fire resistance only. Structural and other requirements shall be in compliance with pertinent Building Code provisions and above mentioned limitations.**

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment are equivalent to those tested and acceptable for use, as provided for in Article 27-131 of the Building Code.

Final Acceptance FEB / 27 / 2004

Examined By S. Derphudam