

**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 354-03-M  
Report of Material and Equipment Acceptance Division**

**Manufacturer – Deronde Product, LLC., 200 Cornwall Avenue, Buffalo, NY 14215.**

**Trade Name(s) – Deronde.**

**Product - Fire rated hollow metal doors and frames.**

**Pertinent Code Section(s) - 27-329, 27-342.**

**Prescribed Test(s) - RS 5-6 (ASTM E152).**

**Laboratory – Underwriters Laboratories, Inc.**

**Test Report(s) – UL File R18433 and R18437, and UL letter dated January 20, 2004.**

**Description - Fire doors of the hollow metal type as described in UL File R18433.**

Single swing rated up to 3 hours in sizes up to 48 inches in width by 120 inches in height and pairs 96 inches by 120 inches. The doors consist of carbon steel face sheets ranging between 20 and 14 gauge over cores of steel stiffeners, mineral core or honeycomb. Those of honeycomb cores allow the incorporation of stainless steel faces as an alternate to the carbon steel faces.

The door construction and hardware preparations will dictate the maximum size and rating of a particular door.

Fire door frames of the hollow metal or steel channel types as described in UL File R18437 in the following sizes and types:

Type	Max. Width (in.)	Max. Height (in.)	Max. Rating (hrs.)
With Transom Panels	96	120	1-1/2
With Transom Lights	48	120	3/4
Single Swing	48	96	3
Pair Frame	96	96	3

Swinging doors may be provided as follows:

Max. Rating	Opening Type	Hollow Metal Type
3 HR	Single or Pair with Astragal	X
	Single Point Lock/Flush Bolts	
1-1/2 HR	Single or Pair without Astragal	X
	Single Point Lock/Flush Bolts	
3 HR	Single or Pair with Astragal	X
	Rim, Mortise/Vertical Rod	
1-1/2 HR	Single or Pair without Astragal	X
	Rim, Mortise/Vertical Rod	
1-1/2 HR	Pair without Astragal	X
	Vertical Rod/Vertical Rod	
1-1/2 HR	Pair without Astragal	X
	Open Back Strike Provided	
3 HR	Double Egress with Astragal	X

Recommendation - That the above described doors, which shall be operated by an approved fusible link or other New York City approved automatic closing mechanism, be accepted as providing 1 ½ or 3 hours fire protection rating when installed in accordance with Reference Standard RS 5-8 for Class A or B openings, on condition that the certificates or labels accompanying all shipments shall be provided by the testing service which shall be regularly engaged by the manufacturer to make periodic inspections and/or tests of the doors in the course of their manufacture. All shipments and deliveries of the materials shall, in addition, be accompanied by a metal tag 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. Derfudon