

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 the Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, AIA, Commissioner  
MEA 79-03-M

Report of Material and Equipment Acceptance Division

Manufacturer – NCA Manufacturing Ltd., 1735 Mattawa Avenue, Mississauga Ontario L4X 1K5.

Trade Name – NCA.

Product – Fire Damper, smoke damper, combination fire/smoke dampers.

Pertinent Code Section –RS 13 Chapter 111, 3-3.7.1-1, Chapter IV, 4-4.1.1.

Prescribed Tests – UL555, UL555S.

Laboratories – Underwriters Laboratories, Inc.

Test Reports – UL File R8218 dated

Description – Curtain fire dampers are constructed of No. 22 ga. Galv. Steel interlocking blade (24 ga.) and frame (22 ga.). Closing mechanism is activated by a 165°F or 212°F replaceable fusible link. Multi-Blade fire dampers and fire/smoke dampers are 16 gauge roll formed galv. Steel blades (16 ga.) and frame (20 ga.). Fire operation is controlled by a fusible link/actuator STOR/DTOR, a single or double electric heat sensing device. The action of which allows a spring force to close the damper. The smoke damper and fire/smoke dampers are used in engineered smoke controlled systems. Dampers shall be installed in accordance with UL Listing manufacturer's instructions and the New York City Building Code as listed below:

Fire Dampers for Use in Static Systems

Model	Hr. Class	Damper Mounting Position	Single Section Damper Size In.		Multiple Section Damper Size In.	
			W	H	W	H
FD,FD-SL	1-1/2	V	60	60	120	120
		H	48	48	96	48
		H	40	40	120	40
FD, FD-SL	3	V	48	48	80	40
		H	40	40	80	40
FD-USL	1-1/2	V	40	40	---	---
FD-USL	3	V	40	40	---	---
FD-MB-3V	1-1/2	V	36	48	108	96
		H	36	48	72	48
	3	V,H	36	48	72	48

FD-MB-AF	1-1/2	V	36	48	108	96
	3	H	36	48	---	---
		V	36	48	72	48
		H	36	48	---	---
FD-RD	1-1/2	V,H	24 Diam	---	---	---
FD-3V-SB	1-1/2	V,H	16	16	---	---

Fire Dampers for Use in Dynamic Systems

Model	Hr. Class	Damper Mounting Position	Single Section Damper Size In.		Multiple Section Damper Size In.	
			W	H	W	H
FDD, FDD-SL	1-1/2	V	36	36	---	---
FDD, FDD-SL	3	V	36	36	---	---
FDD, FDD-SL	1-1/2	V	18	18	36	36
FFD, FDD-SL	3	H	18	18	36	36
FDD-MB-3V	1-1/2	V	36	48	108	48
		H	36	48	72	48
FDD-MB-3V	3	V,H	36	48	72	48
FDD-MB-AF	1-1/2	V	36	48	108	48
		H	36	48	---	---
FDD-MB-AF	3	V,H	36	48	72	48
FDD-RD	1-1/2	V,H	24 Diam	---	---	---

Smoke Dampers

Model	Leakage Class	Damper Mounting Position	Single Section Damper Size In.				Multiple Section Damper Size In.	
			W		H		W	H
			Min	Max	Min	Max		
SSD-3V-201	I-350	V,H	12	36	6	48	144	48
SSD-3V-302	II-350	V,H	6	36	6	48	144	48
SSD-AF-201	I-250	V,H	8	36	8	48	144	48
SDD-AF-201	II-350	V,H	8	36	8	48	144	48
SSD-RD-201	I-350	V,H	8	24	Diam	Diam	---	---

Combination Fire and Smoke Dampers

Model	Hr. Class	Leakage Class	Damper Mounting Position	Single Section Damper Size In.				Multiple Section Damper Size In.	
				W		H		W	H
				Min	Max	Min	Max		
FSD-3V-211	1-1/2	I-350	V	12	36	6	48	108	48
			H	12	36	6	48	72	48
FSD-3V-212	1-1/2	II-350	V	6	36	6	48	108	48
			H	6	36	6	48	72	48
FSD-3V-231	3	I-350	V,H	6	36	6	48	72	48
FSD-3V-232	3	II-350	V,H	6	36	6	48	72	36
FSD-AF-211	1-1/2	I-250	V	8	36	8	48	108	48
			H	8	36	8	48	---	---
FSD-AF-211	1-1/2	II-350	V	8	36	8	48	108	48
			H	8	36	8	48	---	---
FSD-AF-231	3	I-250	V	8	36	8	48	72	72
			H	8	36	8	48	---	---
FSD-AF-232	3	II-350	V	8	36	8	48	72	48
			H	8	36	8	48	---	---
FSD-RD	1-1/2	I-350	V,H	8	24	diam	---	---	---

Corridor Dampers

Model	Hr. Class	Leakage Class	Damper Mounting Position	Single Section Damper Size In.			
				W		H	
				Min	Max	Min	Max
FSD-3V-CR-211	1	I-350	H	6	24	6	24
FSD-3V-CR-212	1	II-350	H	6	24	6	24

Recommendation - That the above fire rated damper, smoke dampers, and combination fire/smoke damper be accepted on accordance with Underwriters Laboratories, Inc., on condition that all uses, locations, and installations shall comply with the New York City Building Code, Fire Code and the manufacturer's installation instructions. All shipments and deliveries of such materials shall be accompanied by a certificate or label certifying that materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance April/25/03

Examined by S Daskhuda