

GPY+ Associates Engineering Inc.

MECHANICAL SHOP DRAWINGS

PROJECT: York Region Administrative
Centre – Interior Fit-up
Package ‘D’

17250 Yonge Street,
Newmarket, Ontario
L3R 0T5

Reviewed	<input checked="" type="checkbox"/>	Reviewed as Modified	<input type="checkbox"/>
Not Reviewed	<input type="checkbox"/>	Revise and Resubmit	<input type="checkbox"/>

This review is for conformance with the general design intent only and does not change the intent of the Contract Documents. Responsibility for errors or omissions in the shop drawings, details, co-ordination and dimensioning remains solely with the Contractor.

GPY+ Associates Engineering Inc.

Name: Grant Youdelis

Date: December 16, 2024

PROJECT NO.: GPY-9920

Shop Drawing No.:	M-5
Product:	Fire Dampers
Supplier:	E.H. Price

Comments:

- 1. No comments noted.



SUBMITTAL

TO: GPY + Associates Engineering Inc. – ATTN: Sherwin Reyes
PROJECT: York Region, Administration Building Package D Renovations
ADDRESS: 17250 Yonge Street, Newmarket, ON
INCLUDED: Mechanical Shop Drawing – Fire Dampers
SPEC DIV: 23 30 00

From: Trisect Construction Corporation
7-4020A Sladeview Crescent
Mississauga, ON L5L 6B1
Tom Butkovic / Ivan Lulic / Jay Cowie

The shop drawings included below have been:

- ☒ REVIEWED
- ☐ REVIEWED AS NOTED
- ☐ RESUBMIT
- ☐ REJECTED

Review of this submission is for compliance with the general intent of the contract. This review does not relieve the Sub-Contractor, Trade Contractor, Supplier or Manufacturer of the responsibility of meeting all requirements of the contract documents. Any deviation from the contract documents initiated by the Sub-Contractor, Trade Contractor, Supplier or Manufacturer shall be at his sole risk and responsibility. QUANTITIES AND DETAIL DIMENSIONS ARE THE SUBCONTRACTORS OR SUPPLIERS' RESPONSIBILITY. VERIFY THE DATA WITH FIELD DIMENSIONS AND CONDITIONS.

Per: Tom Butkovic Final review to be received by: G. Bruce Stratton Architects	Dated: November 19/2024
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54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Submittal 24-277-003

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
YORK REGION VARIOUS PROJECTS 24-277	17250 Young Street Newmarket, ON	Nov 13, 2024

TO	FROM
Tom Butkovic	PAUL LEDDY
COMPANY	COMPANY
TRISECT CONSTRUCTION	Consult Mechanical Inc.
EMAIL	EMAIL
tbutkovic@trisectionconstruction.com	paul.l@consultmechanical.com
ADDRESS	ADDRESS
4020A SLADEVIEW cRESCENT, UNIT 7 MISSISSAUGA, ON L5L 6B1 JOB: 1300 INSLINGTON SUITE 103	54 Audia Court, Unit 2 Concord, ON L4K 3N5

Title

Fire Dampers

Description

Fire Dampers Tag FD EH Price Model # FDD

Package Items

SPEC	SUBSECTION	ITEM	TYPE
23 33 16	23 33 16	Fire Dampers	Shop Drawings



Dampers Submittals

Job Name: YORK REGION ADMIN CENTRE,RFTC-652-22,17250 YONGE
Job Location: TORONTO
Customer: CONSULT
Date Printed: 11/13/2024
Spec Section: 15 - HVAC

Contact: 571 Chrislea Rd., Unit 3
Woodbridge, ON L4L 8A2



All-In-One
Detailed Submittal Schedule
Dampers

#	Qty	Model	Tag	Width, Height	Design	Mtg Pos	Fire Rating	Temp	Sleeve Length
18	2	FDD	FD	14.00, 10.00	B	H	1.5HR	165	0.00
B - Blades Outside Airstream H - Horizontal 1.5HR - 1.5 Hour 165 - 165 Degrees									
19	2	FDD	FD	12.00, 10.00	B	H	1.5HR	165	0.00
B - Blades Outside Airstream H - Horizontal 1.5HR - 1.5 Hour 165 - 165 Degrees									
20	2	FDD	FD	10.00, 10.00	B	H	1.5HR	165	0.00
B - Blades Outside Airstream H - Horizontal 1.5HR - 1.5 Hour 165 - 165 Degrees									
21	4	FDD	FD	12.00, 0.00	RC	V	1.5HR	165	0.00
RC - Round Inlet V - Vertical 1.5HR - 1.5 Hour 165 - 165 Degrees									

Dynamic Fire Damper, Horizontal and Vertical

Model

Dynamic Fire Damper **FDD-B**

Standard Construction:

Frame: Roll Formed Galvanized Steel with Safety Edge.

Blades: Roll Formed Galvanized Steel, Curtain-Type

Springs: Stainless Steel.

Fusible Link: U.L. Listed 165°F.

1½ & 3 Hr. Vertical:

Min. Size: 6"w X 4"h (152mm x 102mm)

Max. Single Section: 36"w X 32"h (914mm x 813mm)

Max. Size: 72"w X 32"h (1829mm x 813mm)

1½ & 3 Hr. Horizontal:

Min. Size: 6"w X 4"h (152mm x 102mm)

Max. Single Sect.: 24"w X 21"h (610mm x 533mm)

Max. Size: 36"w X 32"h (914mm x 813mm)

Optional Construction:

- ☐ For factory supplied sleeve see submittal for FDD-B c/w sleeve
- ☐ 3 Hour Rating
- ☐ 212°F fusible link (vertical only, 24"x21" (610mm x 533mm) max size)

Notes: Dampers are furnished approximately ¼" (6mm) smaller than given duct dimensions.

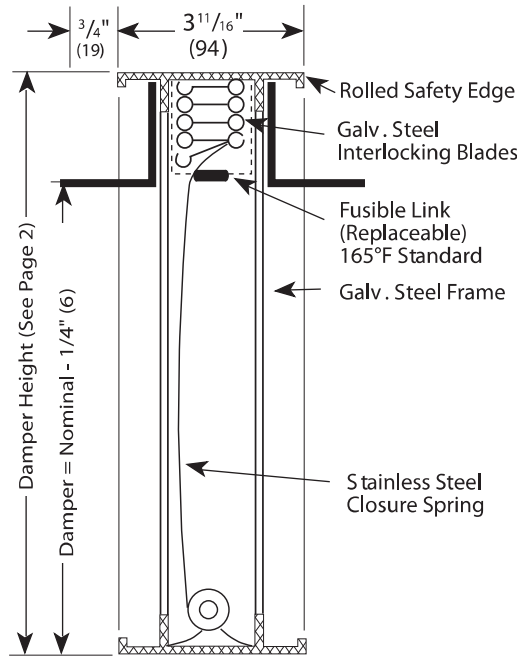
UL/ULC Approved for Use in Static and Dynamic Systems.

Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

FDD-VB

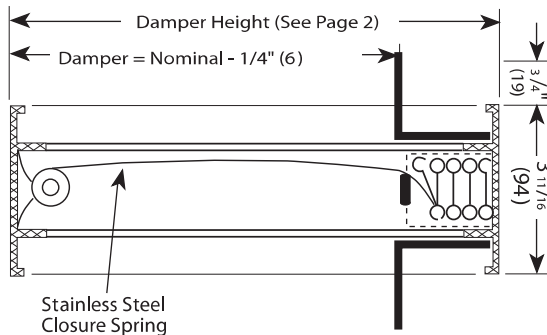


DESIGNED AND TESTED IN ACCORDANCE WITH UL-555 AND ULC-S112. MEETS ALL NFPA-90A REQUIREMENTS FOR FIRE DAMPERS.

**LISTED
AND
LABELLED BY:**



FDD-HB



PROJECT: YORK REGION ADMIN CENTRE, RFTC-652-22, 17250 YONGE

ENGINEER:

CUSTOMER: CONSULT

SUBMITTAL DATE: 11/13/2024

SPEC. SYMBOL: FD

PRICE[®]

May / 08

245015

■ **Model FDD-B**
 1½, 3 Hour Rated
 "B" Style

price®

Dynamic Fire Damper, Horizontal and Vertical

TYPE B

W = Width (Duct)
 H = Height (Duct)
 $X = H + B$
 B = Blade Stack
 (see chart)

For dampers one section high:

Duct Height (H)	B
up to 20" (508)	2" (51)
21" (533) to 32" (813)	3" (76)

For HORIZONTAL dampers two sections high:

Duct Height (H)	B
up to 32" (813)	4" (102)

Note: See maximum section size for relevant hourly rating and mounting position to determine which chart to use.

Dynamic Fire Damper, Horizontal and Vertical

Model

Dynamic Fire Damper **FDD-C**

Standard Construction:

Frame: Roll Formed Galvanized Steel with Safety Edge.

Blades: Roll Formed Galvanized Steel, Curtain-Type

Springs: Stainless Steel.

Fusible Link: U.L. Listed 165°F.

1½ & 3 Hr. Vertical:

Min. Size: 5"w x 3"h (127mm x 76mm) or 5" (127) round

Max. Single Section: 35"w x 32"h (889mm x 813mm)

Max. Size:

71"w X 32"h (1803mm x 813mm)

1½ & 3 Hr. Horizontal:

Min. Size: 5"w x 3"h (152mm x 102mm) or 5" (127) round

Max. Single Sect.: 23"w x 20"h (584mm x 508mm)

Max. Size: 35"w X 32"h (889mm x 813mm)

Optional Construction:

- ☐ For factory supplied sleeve see submittal for FDD-C c/w sleeve.
- ☐ 3 Hour Rating
- ☐ 212°F fusible link (vertical only, 23"x20" (584mm x 508mm) max size)

Notes: Dampers are furnished approximately ¼" (6mm) smaller than given duct dimensions.

UL/ULC Approved For Use in Static and Dynamic Systems.

Models:

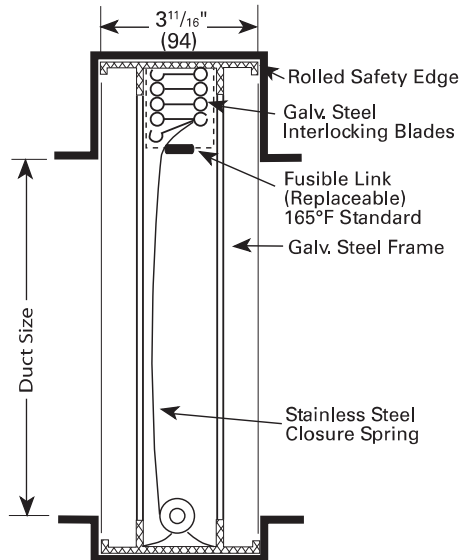
- ☐ FDD-RC - round inlet
- ☐ FDD-SRC - square/rectangular inlet
- ☐ FDD-OVC - oval inlet

Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

FDD-C-V

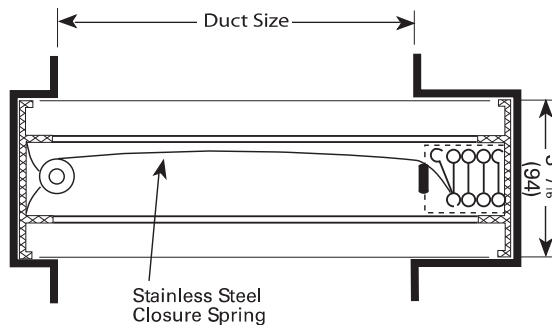


DESIGNED AND TESTED IN ACCORDANCE WITH UL-555 AND ULC-S112. MEETS ALL NFPA-90A REQUIREMENTS FOR FIRE DAMPERS.

LISTED AND LABELLED BY :



FDD-C-H



PROJECT: YORK REGION ADMIN CENTRE, RFTC-652-22, 17250 YONGE

ENGINEER:

CUSTOMER: CONSULT

SUBMITTAL DATE: 11/13/2024

SPEC. SYMBOL: FD

PRICE[®]

Feb / 14

245018

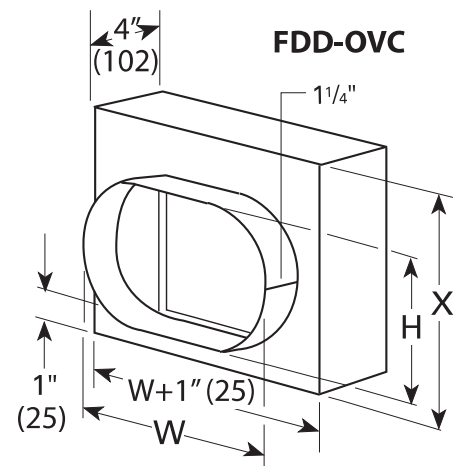
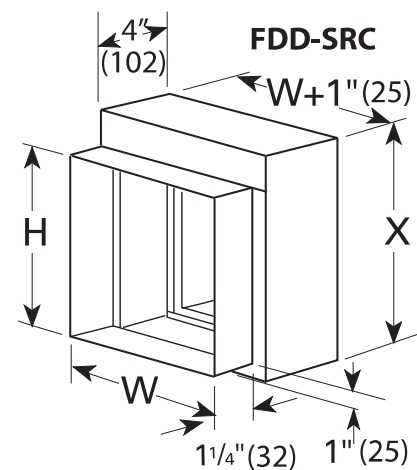
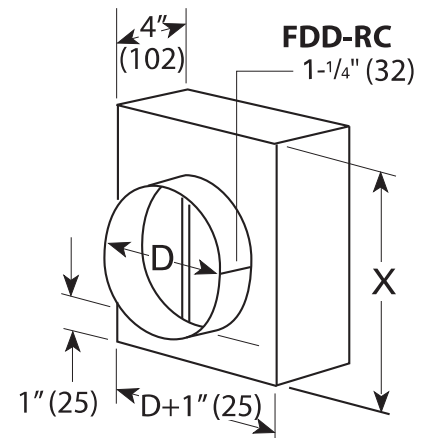
Model FDD-C
 1½, 3 Hour Rated
 "C" Style

Dynamic Fire Damper, Horizontal and Vertical

SIZE CHART

Duct Height	Type C Damper Height
Inches	Inches
3	6
4	7
5	8
6	9
7	10
8	11
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	20
18	21
19	22
20	23
21	25
22	26
23	27
24	28
25	29
26	30
27	31
28	32
29	33
30	34
31	35
32	36

X = DAMPER HEIGHT



W = Width (Duct)
 H = Height (Duct)
 X = Variable (See Size Chart)