

# SUBMITTAL

Reviewed by FB on 15-April-2019



Job:

Spec Section No:

Submittal No:

Revision No:


Sent Date:

Spec Section Title:

Submittal Title:

Contractor:

Contractor's Stamp

<b>Project Name</b> St Mary's Catholic School	 <small>84 Bentley Avenue, Ottawa, Ontario K2E 6T9 Ph: 613-928-9500 Fax: 613-928-9218</small>
<input type="checkbox"/> APPROVED	<input type="checkbox"/> REJECTED
<input type="checkbox"/> REVISE	<input checked="" type="checkbox"/> REVIEWED
<b>BY</b> Nick Dewar	<b>DATE</b> 04/12/2019

Architect:

Architect's Stamp

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Engineer:

Engineer's Stamp

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# Submittals

**Job Name:** 19-255 St Mary CS 4 Hawthorne Ave Carleton Place

**Job Location:** Carleton Place

**Date Printed:** 4/12/2019

**Spec Section:** 15 - HVAC

**Contact:** Nicholas Guolla  
3236 Hawthorne Road  
Ottawa, ON K1G 3W9

Phone: 613-725-2029 x1308

Email: [nguolla@ehpricesales.com](mailto:nguolla@ehpricesales.com)



# Grilles/Registers/Diffusers Submittals

**Job Name:** 19-255 St Mary CS 4 Hawthorne Ave Carleton Place

**Job Location:** Carleton Place

**Date Printed:** 4/12/2019

**Spec Section:** 15 - HVAC

**Contact:** Nicholas Guolla  
3236 Hawthorne Road  
Ottawa, ON K1G 3W9

Phone: 613-725-2029 x1308

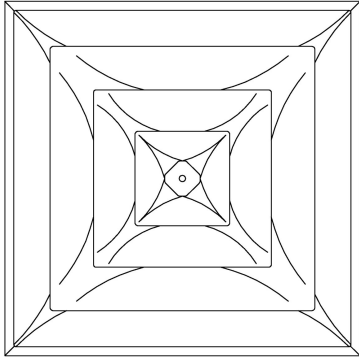
Email: [nguolla@ehpricesales.com](mailto:nguolla@ehpricesales.com)



**All-In-One**  
**Detailed Submittal Schedule**  
**Grilles/Registers/Diffusers**

#	Qty	Model	Tag	Unit Size	Inlet Size	Border	Accessories
1	4	SCD	S1	24, 24	8	31	4C, RC
Desc: 31 - 15/16" T-Bar Lay-In and Surface Mount Application   4C - 4 Cones   RC - Removable							
2	3	81	R1	23.000, 11.000		NF	LI
Desc: NF - 3/4" (19) Narrow Flat Frame   LI - T-Bar Lay-In							

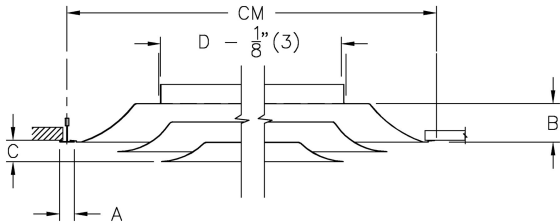
**SCD Square Cone Diffuser**



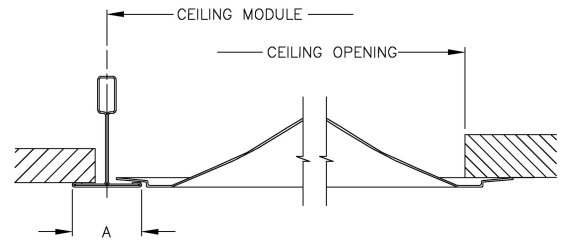
**Duct Diameter (in.):** 8  
**Backpan Height (B):** 2.5"  
**Cone Depth (C):** 1.313"  
**Nom Ceiling Module:** 24"x24"  
**Nom Ceiling Opening:** 22"x22"  
**(Surface Mount App)**  
**No. of Cones:** 4 Cones

**Border:** 31

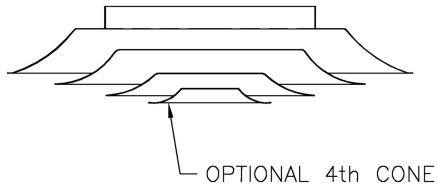
15/16" T-Bar Lay-In and Surface Mount Application



**Frame Detail:**



**Cones:**



**Notes:**

- 360° radial horizontal air pattern
- Removable core with locking clips
- Tool-free cone installation/removal
- Factory tolerance  $\pm 1/32"$  (1)

**Material:**

- Diffuser: Steel

**Finish:**

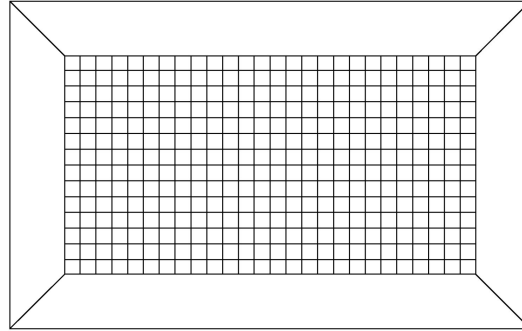
- B12 - Standard White

**PROJECT:** 19-255 St Mary CS 4 Hawthorne Ave Carleton Place  
**ENGINEER:**  
**DESCRIPTION:** Square Cone Diffuser  
 SCD-1-1//1/8//24/24/31//4C/RC//B12

**SUBMITTAL NO:** 258274  
**CUSTOMER:**

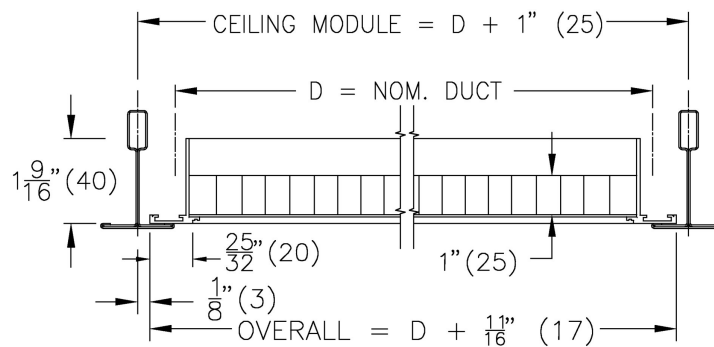
**SUBMITTAL DATE:** 4/12/2019

**81 Egg Crate Grille – 1/2" x 1/2" x 1" Core**



**Border:** NF  
3/4" (19) Narrow Flat Frame

**Core:** S  
One Piece Core



**Material:**

- Grille - Aluminum construction

**Finish:**

- B12 - Standard White

- Notes:**
- 1/2" x 1/2" x 1" aluminum grid core
  - Maximum duct size without mullion = 48" x 24" (1219mm x 610mm)
  - Maximum duct size with mullion = 96" x 48" (2438mm x 1219mm)
  - Units with mullion supplied in one-piece frame construction
  - Units over 96" x 48" (2438mm x 1219mm) supplied in sections c/w Duct Mounting Channel
  - NF frame minimum duct size = 6" x 3" (152mm x 76mm)
  - Factory tolerance  $\pm 1/32$ " (1mm)

**PROJECT:** 19-255 St Mary CS 4 Hawthorne Ave Carleton Place  
**ENGINEER:**  
**DESCRIPTION:** Egg Crate Grille, 1/2" X 1/2" X 1"  
81///23.000/11.000/LI/NF/////24/12///0/S/////B12

**SUBMITTAL NO:** 259683-E  
**CUSTOMER:**

**SUBMITTAL DATE:** 4/12/2019



# Dampers Submittals

**Job Name:** 19-255 St Mary CS 4 Hawthorne Ave Carleton Place

**Job Location:** Carleton Place

**Date Printed:** 4/12/2019

**Spec Section:** 15 - HVAC

**Contact:** Nicholas Guolla  
3236 Hawthorne Road  
Ottawa, ON K1G 3W9

Phone: 613-725-2029 x1308

Email: [nguolla@ehpricesales.com](mailto:nguolla@ehpricesales.com)



**All-In-One**  
**Detailed Submittal Schedule**  
**Dampers**

#	Qty	Model	Width, Height	Design	Mtg Pos	Fire Rating	Temp	Sleeve Length
3	1	FDD	10.00, 10.00	B	V	1.5HR	165	0.00
Desc: B - Blades Outside Airstream   V - Vertical   1.5HR - 1.5 Hour   165 - 165 Degrees								
4	1	FDD	14.00, 10.00	B	V	1.5HR	165	0.00
Desc: B - Blades Outside Airstream   V - Vertical   1.5HR - 1.5 Hour   165 - 165 Degrees								
5	2	FDD	16.00, 8.00	B	V	1.5HR	165	0.00
Desc: B - Blades Outside Airstream   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.

#### 1 1/2 & 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)

#### 1 1/2 & 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)

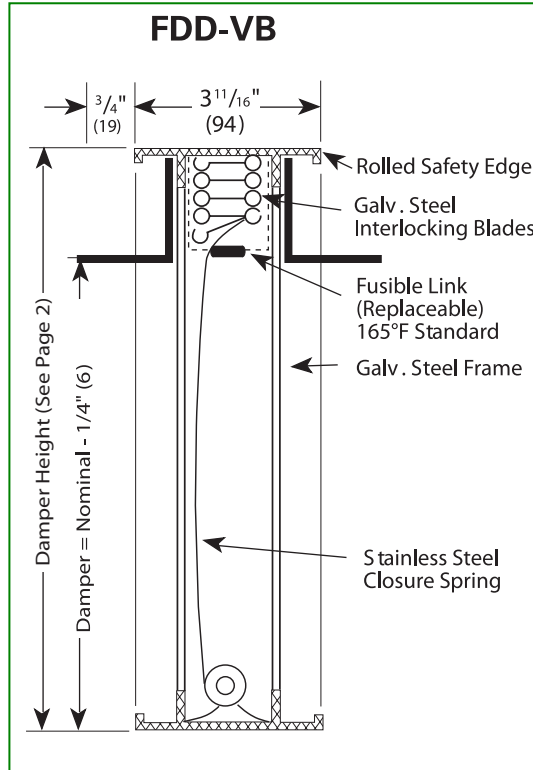
**Notes:** Dampers are furnished approximately 1/4" (6mm) smaller than given duct dimensions.

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

#### Manufacturer's Recommendations

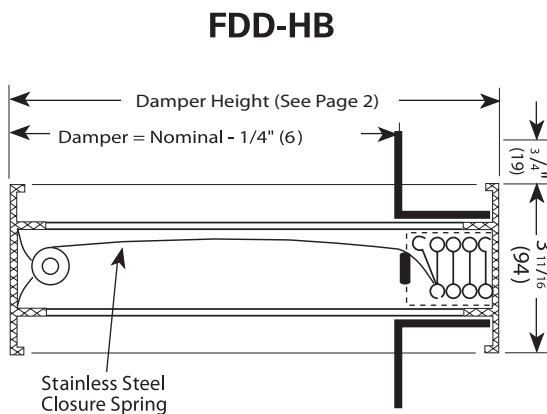
All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

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.



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

LISTED AND LABELLED BY:



<b>PROJECT:</b> 19-255 St Mary CS 4 Hawthorne Ave Carleton Place		
<b>ENGINEER:</b>		
<b>CUSTOMER:</b>		
<b>SUBMITTAL DATE:</b> 4/12/2019	<b>SPEC. SYMBOL:</b>	
		May / 08
		245015

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

**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.