

SHOP DRAWING TRANSMITTAL

To: Daniel Cusimano Architect Inc.
185 Bridgeland Ave.
Suite 107
Toronto, ON M6A 1Y7

Att: Stacey Melville

Project: **Shopper's Drug Mart #9685**
1950 Fischer-Hallman Road, Building 200
Kitchener, Ontario N2R 1R3

From: Kyle McCallum
Date: October 17, 2024
File No: 7298.pt

We have reviewed the attached contractor's equipment shop drawings for general conformity with the design documents and are forwarding them to you for your use in association with the above noted project.

The documents are sent by: Courier • Hand • Pick-up • Facsimile • **E-Mail**

<u>Qty</u>	<u>Shop Drawings</u>	<u>Notes</u>
1	Grilles & Diffusers (E.H. Price)	Reviewed: No comment. Verify grilles & diffusers quantities prior to ordering.
1	Fire rated door grille (Activar Construction Products Group Inc.)	Reviewed: Ensure 18"x12" is being provided per mechanical drawing. REVISED.
1	Fire Dampers (E.H. Price)	Reviewed: No comment.

PROJECT
TITLE: **25101 - Shopper's Drug Mart Kitchener**

GC SUBMITTAL #: 25101-SD-15-MECH-002	DATE: October 17, 2024
PRODUCT SUBMITTED: dampers, grilles, and fans	
MANUFACTURER: Various	

SUBCONTRACTOR / SUPPLIER

COMPANY:	Consult Mechanical Ltd.		
ADDRESS:	Unit-2, 54 Audia Ct, Concord, ON L4K 3N5		
CONTACT:	Mohammed Lodhi	905-738-1400	

ARCHITECT

COMPANY:	Cusimano Architect		
ADDRESS:	185 Bridgeland Avenue Suite 107 Toronto, ON M6A 1Y7		
CONTACT:	Stacey Melville	416-564-9791	

MECHANICAL / ELECTRICAL CONSULTANT

COMPANY:	Integrated Engineering		
ADDRESS:	1930 Blue Heron Drive London, ON N6H 5L9		
CONTACT:			

STRUCTURAL CONSULTANT

COMPANY:			
ADDRESS:			
CONTACT:			

GENERAL CONTRACTOR

COMPANY:	Royalty General Construction		
ADDRESS:	2580 Matheson Blvd E, Suite 201, Mississauga, ON L4W 4J1		
CONTACT:	Mark Fazio	416-558-4585	



- ☒ REVIEWED
☐ REVIEWED AS NOTED
☐ REVISE AND RE-SUBMIT
☐ NOT REVIEWED

DATE: October 17, 2024

PROJECT NO: 25101

REVIEWED BY: George Tabucan

THIS REVIEW BY ROYALTY GENERAL CONSTRUCTION IS FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THIS REVIEW SHALL NOT MEAN THAT ROYALTY GENERAL CONTRACTORS APPROVE THE DETAIL DESIGN INHERENT IN THE SHOP DRAWINGS, RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE "CONTRACTOR" SUBMITTING SAME, AND SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS OR OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE, FOR INFORMATION THAT PERTAINS SOLELY TO FABRICATION PROCESSES OR TO TECHNIQUES OF CONSTRUCTION AND INSTALLATION AND FOR CO-ORDINATION OF THE WORK OF ALL SUBTRADES.

INTEGRATED ENGINEERING

REVIEW OF THIS DRAWING IS FOR
GENERAL CONFORMITY WITH THE DESIGN ONLY.
THE CONTRACTOR IS RESPONSIBLE FOR ALL
REQUIREMENTS OF THE INSTALLATION.

PROJ No.	7298	REVIEWED	
DATE	24.10.17	REVISED	✓
BY	KJM	RESUBMIT	

SEE NOTES & COMMENTS
ON TRANSMITTAL



54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Submittal

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
SDM 3755 - 1950 FISCHER-HALLMAN RD, KITCHENER 24-273	1950 FISCHER-HALLMAN ROAD, BUILDING 200 KITCHENER, ONTARIO	
TO	FROM	
George Tabucan		
COMPANY	COMPANY	
ROYALTY GENERAL CONSTRUCTION LTD.		
EMAIL	EMAIL	
gtabucan@royaltygeneral.com		
ADDRESS	ADDRESS	
2580 Matheson Blvd E, Suite 201, Mississauga, ON L4W 4J1	54 Audia Court, Unit 2 Concord, ON L4K 3N5	

Title

GRDs, Dampers, Fans

Description

S-1to7 / R-1to7 / E-1to3 / FDD / TF-1,2,3

SPEC	SUBSECTION	ITEM	TYPE
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Grilles/Registers/Diffusers Submittals

Job Name: KT2400728 SDG #3755 1950 FISCHER HALLMAN

Job Location: KITCHENER, ON.

Date Printed: 10/9/2024

Spec Section: 15 - HVAC

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



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

#	Qty	Model	Tag	Unit Size	Inlet Size	Border	Pattern	Face Size	Damper	Accessories
1	7	SPD	S-1	6	6	31		24, 24		
31 - 15/16" T-Bar Lay-In or Surface Mount Application										
2	4	SPD	S-2	8	8	31		24, 24		
31 - 15/16" T-Bar Lay-In or Surface Mount Application										
3	38	SPD	S-3	10	10	31		24, 24		
31 - 15/16" T-Bar Lay-In or Surface Mount Application										
4	2	SPD	S-4	15	15	31		24, 24		
31 - 15/16" T-Bar Lay-In or Surface Mount Application										
5	6	620	S-5	14.000, 8.000		F	L		VCS3	
F - 1 1/4" (32) Flat Frame Standard L - Blades parallel to the long dimension VCS3 - Coated Steel Opposed Blade Damper (Mill Finish)										
6	2	LBPH	S-6	48.000, 2.500		1000	15A			
1000 - 1" (25) Border 15A - 0 Degree Deflection - 3/32" Bars - 1/4" On Center Spacing										
7	1	HCD	S-7	72.000, 12.000						
12.000 - 12"										
8	3	80	R-1	8.000, 8.000		F				SW
F - 1 1/4" (32) Flat Frame SW - Sidewall Application										
9	4	80	R-2	24.000, 6.000		CH				LI
CH - 5/16" (8) Channel Frame LI - T-Bar Lay-In										
10	22	80	R3	24.000, 12.000		CH				LI
CH - 5/16" (8) Channel Frame LI - T-Bar Lay-In										
11	2	80	R-4	24.000, 24.000		CH				LI
CH - 5/16" (8) Channel Frame LI - T-Bar Lay-In										
12	2	530	R-5	26.000, 18.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
13	1	90	R-6	28.000, 16.000			L		VCS3	
L - Louver Blades parallel to Long Dimension VCS3 - Steel Opposed Blade Damper										
14	2	CF	R-7	102.00, 1		EF				No-Acc
1 - 1 Slot EF - Exposed Frame No-Acc - No Accessories										
15	5	80	E-1	10.000, 6.000		F				SW
F - 1 1/4" (32) Flat Frame SW - Sidewall Application										
16	5	80	E-2	12.000, 12.000		F				SW
F - 1 1/4" (32) Flat Frame SW - Sidewall Application										
17	2	80	E-3	24.000, 24.000		F				SW
F - 1 1/4" (32) Flat Frame SW - Sidewall Application										

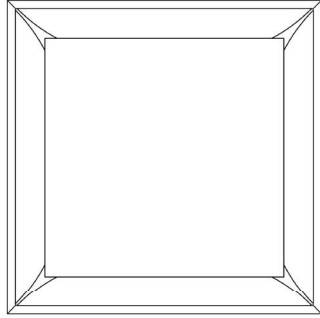


Performance Notes

Date Printed: 10/9/2024

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
2. Throw data is based on the temperature differential (Dt), in degrees Fahrenheit (°F), between supply air temperature and room temperature.
3. Throw values, in feet (ft), are provided at terminal air velocities of 150 fpm, 100 fpm, and 50 fpm for supply applications.
4. The NC, sound pressure level, is based on a room absorption of 10dB re 10⁻¹² Watts in each octave band.
5. Blanks (--) indicate an NC level below 15.
6. Air flow is in cubic feet per minute (cfm).
7. Static pressure (Ps), velocity pressure (Pv), and total pressure (Pt) are in inches of water (in. w.g.).

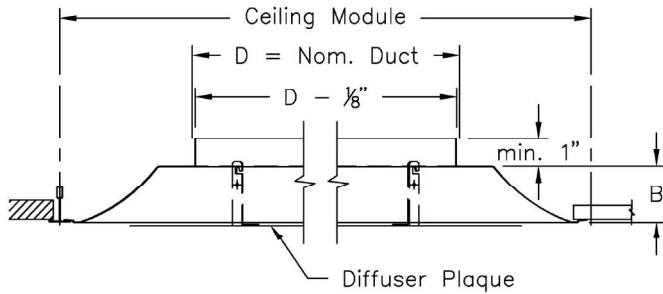
SPD Square Plaque Diffuser



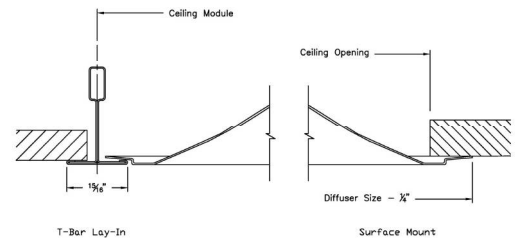
Duct Diameter: 6"
Backpan Height (B): 2 1/2"
Ceiling Module: 24" x 24"
Ceiling Opening: 22" x 22"
(Surface Mount App)

Border: 31

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



Frame Detail:



Notes:

- 360° radial horizontal air pattern
- Removable face panel
- For 9/16" flat tee installation with style 31 frame, cross-tees must be firmly secured. Locking any unopposed cross tees to the main beam with clips such as Armstrong STAC is recommended. Corner clips from ceiling suppliers may also be used, or order 916 clip in GRD-PARTS (confirming fit with ceiling on site is recommended).
- Integral hanger loops
- Factory tolerance +/- 1/32"



Scan for link to additional product information

Material:

- Diffuser: Steel

Finish:

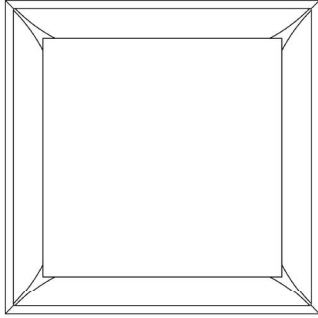
- B12 - Standard White

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: Square Plaque Diffuser
SPD-1-2//1/6//24/24/31/////B12

SUBMITTAL NO: 258503-F
CUSTOMER:

SUBMITTAL DATE: 10/9/2024

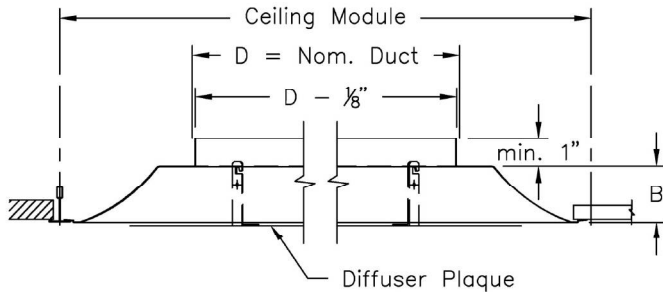
SPD Square Plaque Diffuser



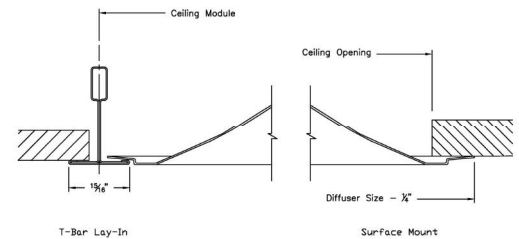
Duct Diameter: 8"
Backpan Height (B): 2 1/2"
Ceiling Module: 24" x 24"
Ceiling Opening: 22" x 22"
(Surface Mount App)

Border: 31

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



Frame Detail:



Notes:

- 360° radial horizontal air pattern
- Removable face panel
- For 9/16" flat tee installation with style 31 frame, cross-tees must be firmly secured. Locking any unopposed cross tees to the main beam with clips such as Armstrong STAC is recommended. Corner clips from ceiling suppliers may also be used, or order 916 clip in GRD-PARTS (confirming fit with ceiling on site is recommended).
- Integral hanger loops
- Factory tolerance +/- 1/32"



Scan for link to additional product information

Material:

- Diffuser: Steel

Finish:

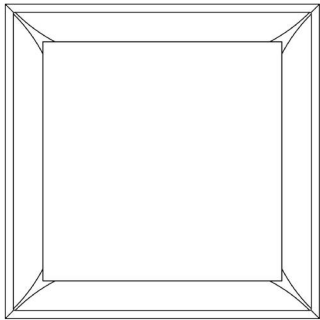
- B12 - Standard White

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: Square Plaque Diffuser
SPD-1-2//1/8//24/24/31/////B12

SUBMITTAL NO: 258503-F
CUSTOMER:

SUBMITTAL DATE: 10/9/2024

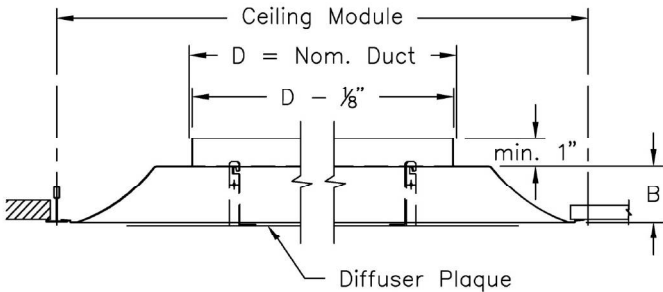
SPD Square Plaque Diffuser



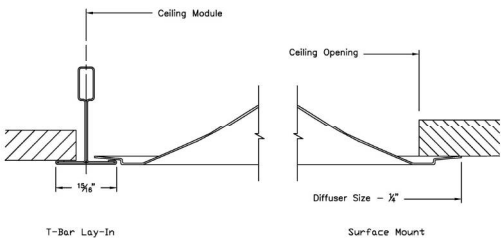
- Duct Diameter: 10"
- Backpan Height (B): 2 1/2"
- Ceiling Module: 24" x 24"
- Ceiling Opening: 22" x 22"
(Surface Mount App)

Border: 31

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



Frame Detail:



Notes:

- 360° radial horizontal air pattern
- Removable face panel
- For 9/16" flat tee installation with style 31 frame, cross-tees must be firmly secured. Locking any unopposed cross tees to the main beam with clips such as Armstrong STAC is recommended. Corner clips from ceiling suppliers may also be used, or order 916 clip in GRD-PARTS (confirming fit with ceiling on site is recommended).
- Integral hanger loops
- Factory tolerance +/- 1/32"



Scan for link to additional product information

Material:

- Diffuser: Steel

Finish:

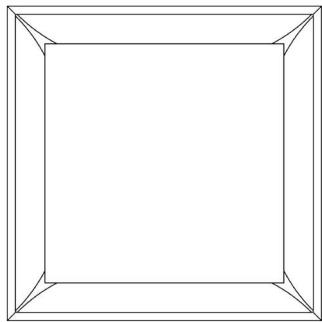
- B12 - Standard White

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: Square Plaque Diffuser
SPD-1-2/11/10/24/24/31/1111/B12

SUBMITTAL NO: 258503-F
CUSTOMER:

SUBMITTAL DATE: 10/9/2024

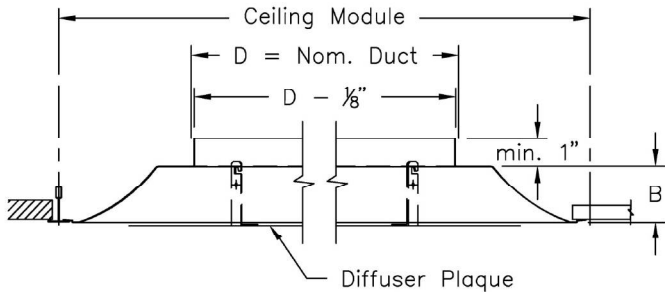
SPD Square Plaque Diffuser



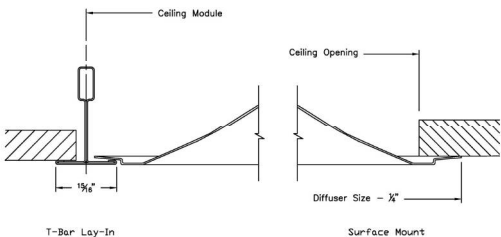
- Duct Diameter: 15"
- Backpan Height (B): 2 1/2"
- Ceiling Module: 24" x 24"
- Ceiling Opening: 22" x 22"
(Surface Mount App)

Border: 31

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



Frame Detail:



Notes:

- 360° radial horizontal air pattern
- Removable face panel
- For 9/16" flat tee installation with style 31 frame, cross-tees must be firmly secured. Locking any unopposed cross tees to the main beam with clips such as Armstrong STAC is recommended. Corner clips from ceiling suppliers may also be used, or order 916 clip in GRD-PARTS (confirming fit with ceiling on site is recommended).
- Integral hanger loops
- Factory tolerance +/- 1/32"



Scan for link to additional product information

Material:

- Diffuser: Steel

Finish:

- B12 - Standard White

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: Square Plaque Diffuser
SPD-1-2//1/15//24/24/31/////B12

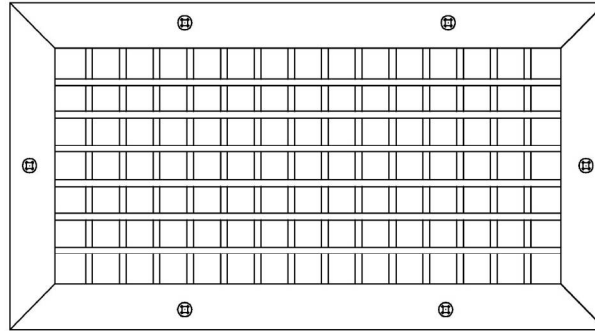
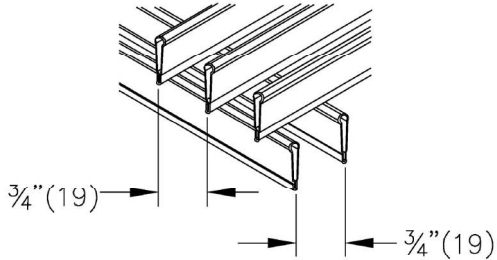
SUBMITTAL NO: 258503-F
CUSTOMER:

SUBMITTAL DATE: 10/9/2024

620-1-2 Aluminum Supply Grille - Double Deflection

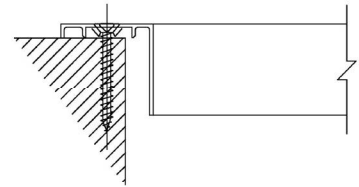
Core Style:

Double Deflection

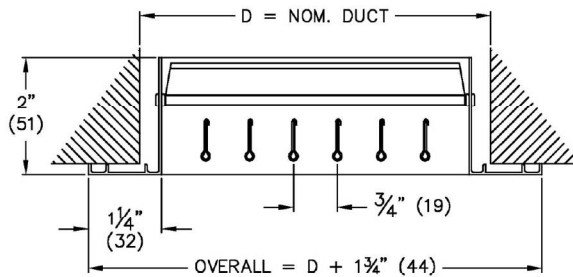


Fastening:

A: Countersunk Screwholes
c/w Screws



Border: F 1 1/4" (32) Flat Frame Standard



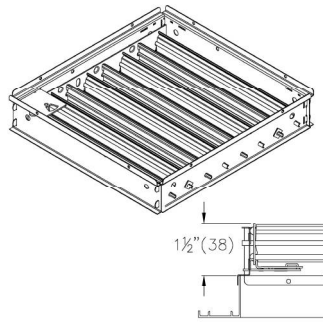
Material:

- Aluminum

Finish:

- B12 - Standard White

Damper: VCS3 Coated Steel Opposed Blade Damper (Mill Finish)



Notes:

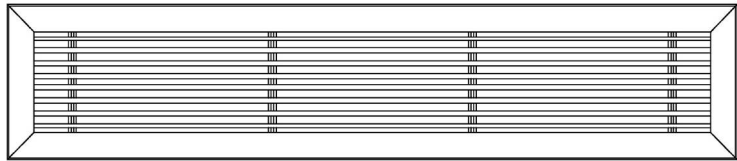
- Front blades parallel to Long dimension
- Individually adjustable roll formed blades on 3/4" (19) centers
- VCS3 opposed blade damper, coated steel
- Factory tolerance $\pm 1/32$ " (1)
- Visible mullions are included when blades are parallel to nominal size dimension larger than 24" (610).

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: Aluminum Supply Grille - Double Deflection
620-1-2//1/14.000/8.000/SM/F///L/A/VCS3/B12

SUBMITTAL NO: 269136
CUSTOMER:

SUBMITTAL DATE: 10/9/2024

LBPH Linear Bar Grille - Heavy Duty



End Conditions:

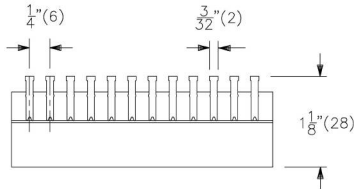
XXBoth Mitred Ends

Finish:

B12Standard White

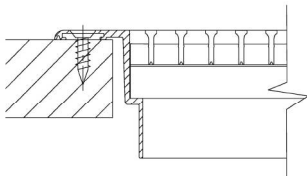
Core

15A 0° Deflection - 3/32" Bars - 1/4" On Center Spacing



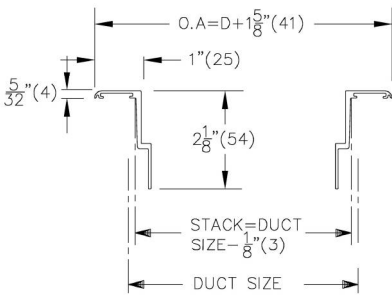
Fastening

A Countersunk Screw Holes



Border

1000 1" (25) Border

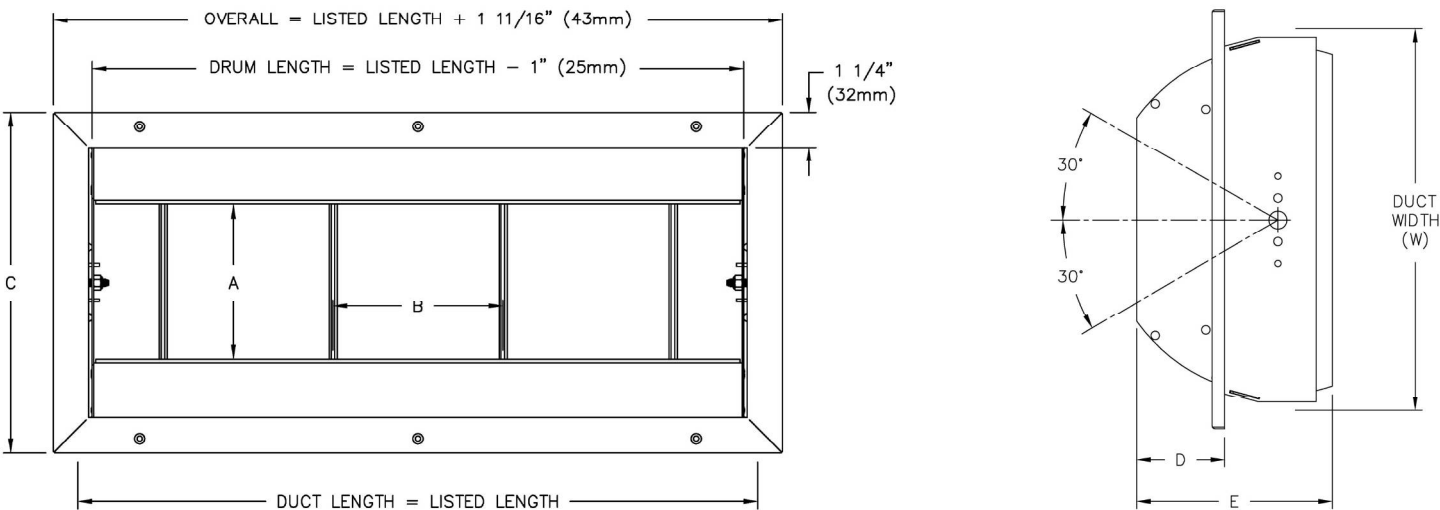


Notes

- For sidewall application
 - Bars are parallel to the first dimension
 - Weld build-up max. 1/16" (2) at corners
 - Factory tolerance: ± 1/32" (1) per grille section
 - Units wider than 24" are supplied in multiple sections with mounting channel(s)
- Extruded aluminum construction
 - Sections can be joined for continuous appearance
 - Screw mounting holes per factory standard
 - Maximum length for one piece construction = 72"
 - Removeable Core held in place with clips

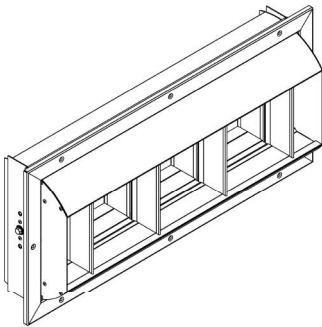
PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN	SUBMITTAL NO: 258245-D	SUBMITTAL DATE: 10/9/2024
ENGINEER:	CUSTOMER:	
DESCRIPTION: Heavy Duty Linear Bar Grille		
LBPH///48.000/2.500/SW/1000/15A/XX//A/////B12		

HCD High Capacity Drum Diffuser



Listed Width	Duct Width (W)	A	B	C	D	E
12.000	12 1/2"	6 5/8"	6"	14 1/16"	3 1/4"	6 3/4"

Blade Type: 1B Single blade



Notes:

- The drum can be rotated to 30° in either direction
- Detents on the frame hold the drum in the desired position
- Factory Tolerance: ± 1/32" (1 mm)

Material:

- ST - Steel frame with aluminum blades and outer drum

Finish:

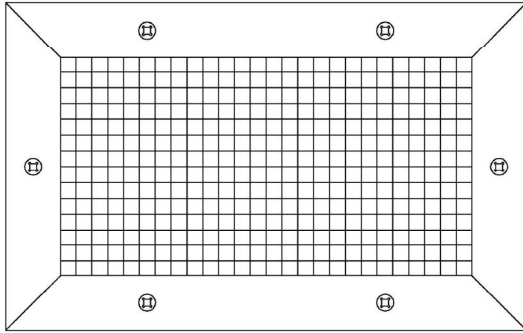
- B12: Standard White

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: High Capacity Drum Diffuser
HCD-1-1///72.000/12.000/ST/1B/F/////B12

SUBMITTAL NO: 271263-A
CUSTOMER:

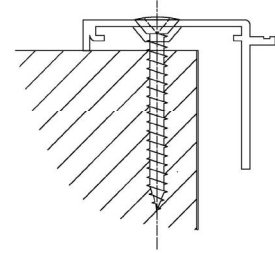
SUBMITTAL DATE: 10/9/2024

80 Egg Crate Grille – 1/2" x 1/2" x 1/2" Core



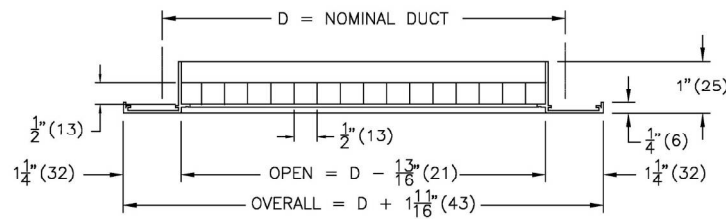
Fastening: A

Countersunk Screw Holes



Border: F

1 1/4" (32) Flat Frame



Material:

- Grille - Aluminum construction

Finish:

- B12 - Standard White

Notes:

- 1/2" x 1/2" x 1/2" aluminum grid core
- Minimum duct size = 6" x 4" (152mm x 102mm)
- 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
- Factory tolerance $\pm 1/32"$ (1mm)

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN

ENGINEER:

DESCRIPTION: Egg Crate Grille, 1/2" X 1/2" X 1/2"

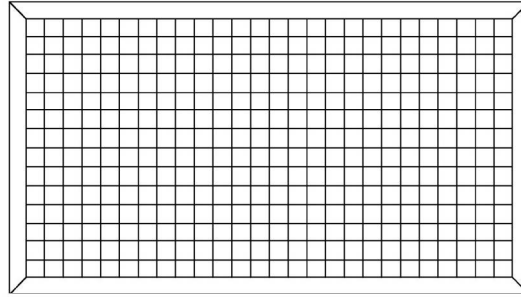
80//1/8.000,10.000,12.000,24.000/8.000,6.000,12.000,24.000//SW/F////////A////////B12

SUBMITTAL NO: 259683-E

CUSTOMER:

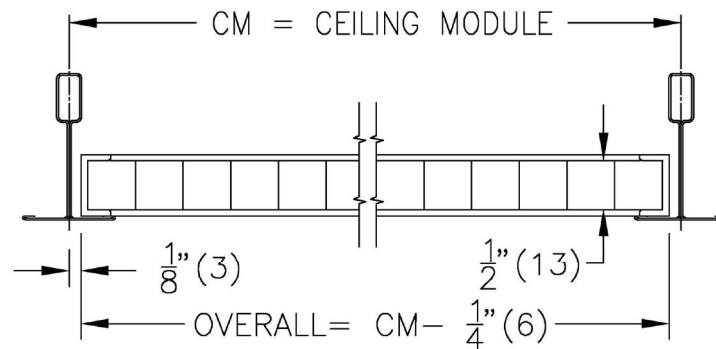
SUBMITTAL DATE: 10/9/2024

80 Egg Crate Grille – 1/2" x 1/2" x 1/2" Core



Border: CH

5/16 (8) Channel Frame



Material:

- Grille - Aluminum construction

Finish:

- B12 - Standard White

Notes:

- 1/2" x 1/2" x 1/2" aluminum grid core
- Minimum duct size = 6" x 4" (152mm x 102mm)
- CH (Channel) units maximum size = 96" x 48" (2438mm x 1219mm). Units over 48" x 24" (1219mm x 610mm) supplied in multiple sections.
- Factory tolerance $\pm 1/32"$ (1mm)

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: Egg Crate Grille, 1/2" X 1/2" X 1/2"
80///24.000/6.000,12.000,24.000//LI/CH/////24/6,12,24///0/////B12

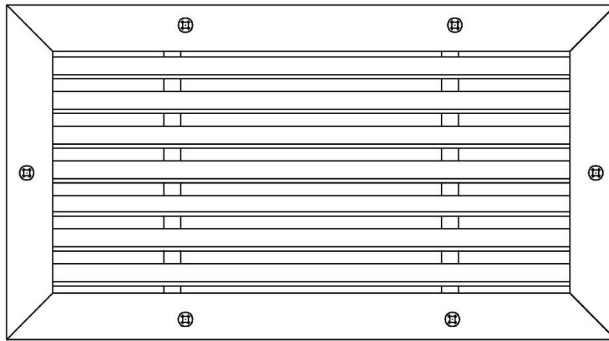
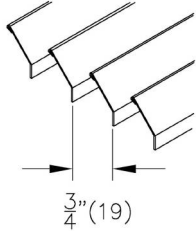
SUBMITTAL NO: 259683-E
CUSTOMER:

SUBMITTAL DATE: 10/9/2024

530 Louvered Steel Return Grille – 3/4" Blade Spacing, 45° Single Deflection

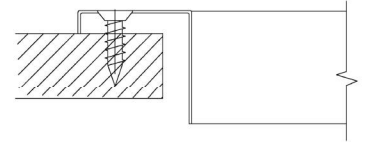
Core Style:

Single Deflection



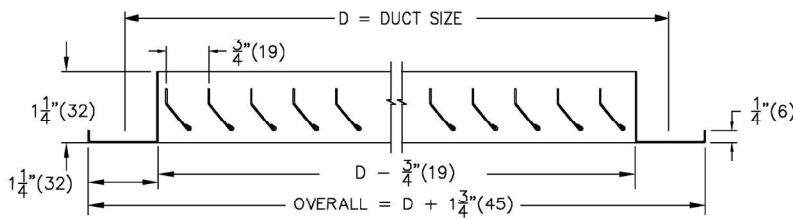
Fastening:

A: Countersunk Screwholes with Screws



Border: F

1 1/4" (32) Flat Frame



Material:

- Steel

Finish:

- B12 - Standard White

Notes:

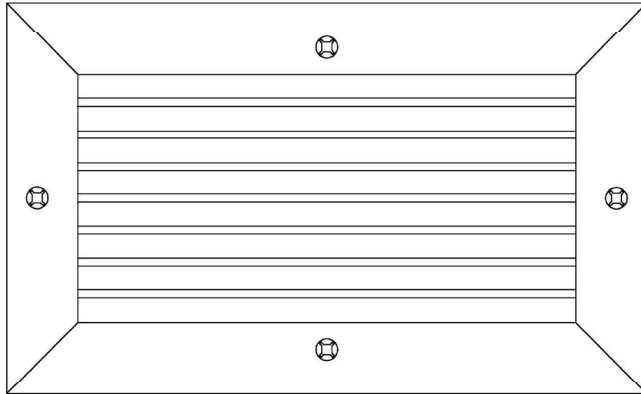
- Blades parallel to Long dimension
- 45° Deflection roll formed blades on 3/4" (19) centers
- Factory tolerance $\pm 1/32$ " (1)

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: Steel Return Grille, 45 Deg Blades, 3/4" Spacing
530///26.000/18.000/F/L///A/SW/B12

SUBMITTAL NO: 258306
CUSTOMER:

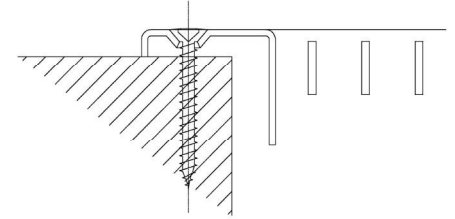
SUBMITTAL DATE: 10/9/2024

90 Steel Gymnasium Grille – 0° Deflection, 3/8" Blade Spacing



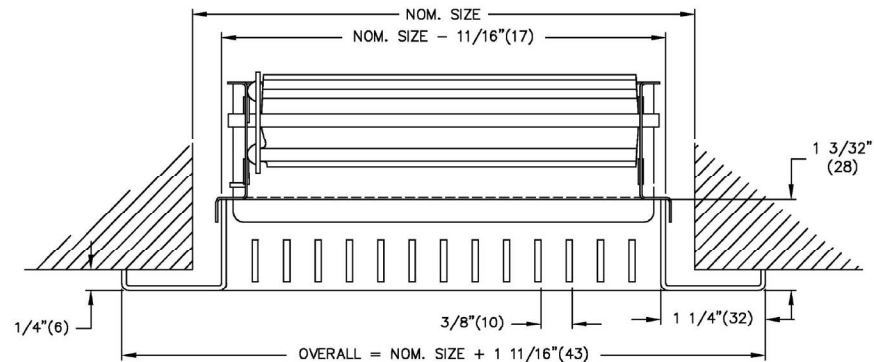
Fastening:

A: Countersunk screwholes with standard screws



Border: F

1 1/4"(32) Flat Frame



Notes:

- Louver blades are parallel to the long dimension
- Louver blades are fixed
- 0° deflection blades on 3/8" centers
- VCS3: Steel opposed blade damper
- Factory tolerance $\pm 1/32"$ (1)

Material:

- Frame: 16 Gauge Steel
- Blades: 14 Gauge Steel
- Mullions: 20 Gauge Steel
- Mullion Pins: 1/8" (3) Steel
- Damper: Coated Steel

Finish:

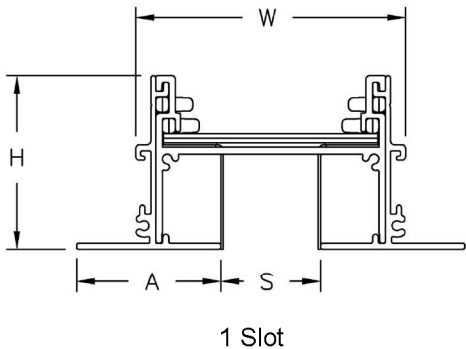
- B12: Standard White

PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN
ENGINEER:
DESCRIPTION: Steel Gym Grille, 0degree Angle, 3/8" Spacing
90/11/28.000/16.000/L///A/VCS3/B12

SUBMITTAL NO: 260722-A
CUSTOMER:

SUBMITTAL DATE: 10/9/2024

CF Custom Flow



Slot Qty	S	A	H	W	Opening Width*
1	1"	1 7/16"	1 3/4"	2 3/4"	3 3/8"

* Opening width is outside dimension of field built plenum with hemmed edges. If no plenum is used, opening width may be additionally reduced by up to 1/4" (6mm).

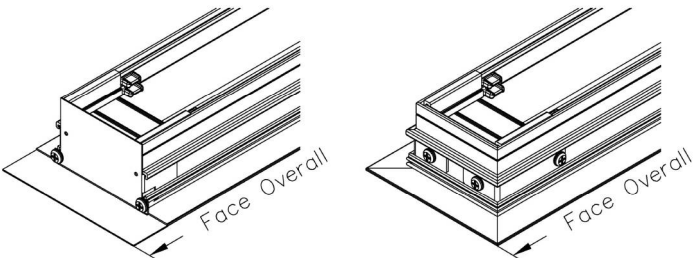
Style:JS - Jet Slot

Ordered Size:102.00"

Frame Style:EF - Exposed Frame

Endcaps

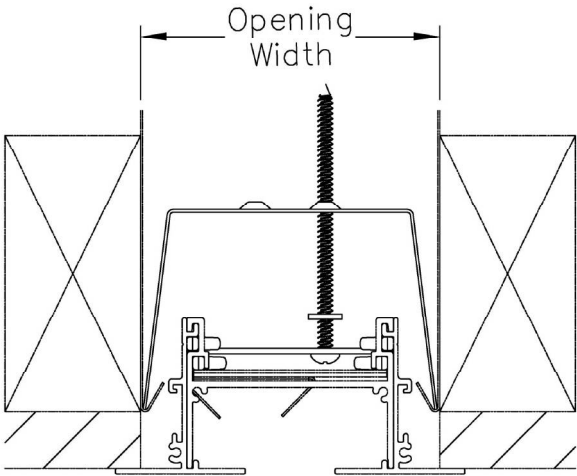
WX Straight Flanged and Mitered Endcaps



End Condition	Face Overall Length
WX	Ordered + 15/16"

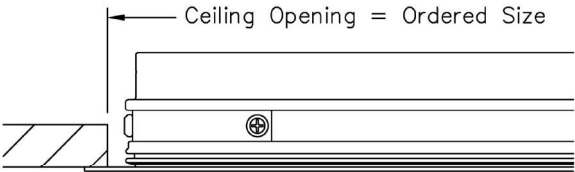
Mounting:

C Concealed Mounting Brackets



Application

SM Surface Mount



Material

- Extruded aluminum frame & spacers
- Steel pattern controllers
- Plastic locking pins
- Coated steel fasteners
- Coated steel concealed mounting brackets
- Steel W end caps

Notes

- Minimum length 12" (305mm)
- Maximum section length 96" (2438mm)
- Sizes over maximum section length will be provided in multiple sections
- For installation instructions, instructions for drywall finishing, or instructions for field trimming, please see the CF installation manual
- For field cut packs, see CFK model
- Field trimming not recommended for X ends
- Replacement parts can be ordered through CFK or GRD-PARTS models
- For use with model CFP, UP, and UPL plenums
- Factory tolerance ±1/32" (1mm)



Scan for link to additional product information and installation instructions.

Finish

- Diffuser face: B12 - Standard White
- Interior surface: NO-BFR - upper frame to match diffuser face finish (JS)
- Pattern controllers - B17 black

L12

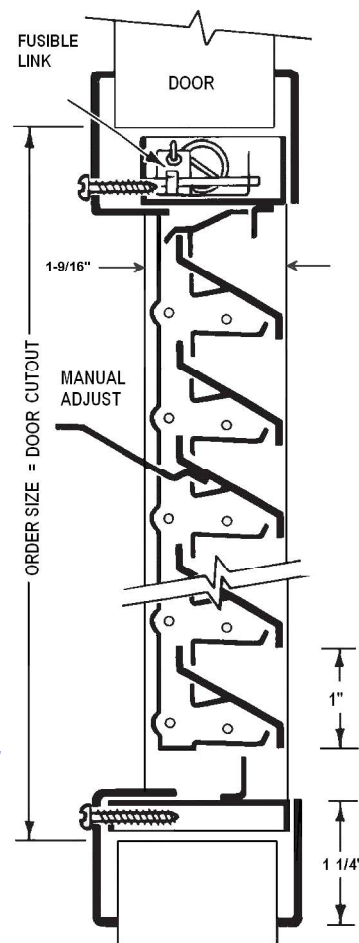
FIRE-RATED ADJUSTABLE Z-BLADE LOUVER: 1900A™

This Adjustable Z-Blade Louver with Fusible Link is Ideal for Use in Fire Doors up to 1-1/2 Hour Rating.
Ideal for Installation in Existing Door Cutouts.



SPECIFICATIONS:

Material:	18 gauge (.048") CRS frame. Min size 10" x 6", Max 24" x 24".
Construction:	Louver: Z-blade louvers riveted to operating bar and frame at 1" intervals to welded 1-9/16" deep frame. Mechanical stop 5/8" x 3/8" x 16 ga. (.048") holds blades open. Frame: Mitered and welded corners; screws fastened through prepared frame into louver core leaving corridor side of frame free of fasteners.
Operation:	Adjustable blades of 16 gauge (.059") CRS pivot on cadmium-plated steel rivets. The blades are operated by a manual adjusting lever. A spring loaded fusible link mechanism is incorporated into the design. Upon melting of the link at 165° F, the action bar is actuated, thereby closing and locking all of the blades.
Door :	For 1-3/4" steel or composite doors. Door cutout = order size.
Fasteners:	#8 x 3/4" Phillips flathead screws to match finish.
Powder Coat Finishes:	_ (B) Mineral Bronze (standard color) _ (G) Gray _ (BK) Black _ (FBK) Flat Black _ (W) White _ (SB) SC Beige _ (SI) Silver _ (S) Sand _ (AB) AMS Beige _ (BRA) Brass Color Samples Online
Free Flow Area:	45% free area.



OPTIONAL FEATURES AT AN ADDITIONAL COST:

Finishes & Materials:	___ (E) Electro Galvanized for corrosion resistance & exterior use.
Fasteners:	___ Torx ___ Other: _____
Screen:	___ Insect Screen: Attached to the Corridor Side. ___ aluminum ___ bronze ___ fiberglass ___ stainless ___ Bird Screen: Attached to the Corridor Side.
Custom:	Custom sizes—contact customer service.

Order Format: **1900A** _____
Example: 1900A 1212B Option E W H Color

LISTINGS & RATINGS:



Fire Ratings with UL & WHI Classification Marks
 Tested & Listed for UL10C, and classified in accordance with UBC7-2-94, ASTM E152, CAN/ULC S104, NFPA 252. Install in accordance with NFPA80.

Model 1900A is Rated for use in fire doors up to 1-1/2 hour rating. Louver size shall not exceed maximum of 576 sq. inches, 24"W and 24" H. The minimum width and

Louvers may be provided for classified hollow metal type and composite type fire doors.

Consult with the Local Authority Having Jurisdiction (AHJ) to determine appropriate standards. Louver frame will be labeled with Listing mark.

STOCK ITEM—SEVERAL SIZES OF 1900A IN STOCK FOR NEXT DAY SHIPMENT FROM MANY OF OUR WAREHOUSES



Distributor:	Width: _____ x Height: _____
Architect:	Quantity:
Contractor:	Model:
Project:	Date: Version: ALPDS1901

800-554-6077

QUOTES@ACTIVARCPG.COM

ORDERS@ACTIVARCPG.COM

SALES@ACTIVARCPG.COM

FAX: 952-835-2218

VISIT WWW.ACTIVARCPG.COM FOR THE MOST UPDATED PRODUCT INFORMATION © 2019 ACTIVAR CONSTRUCTION PRODUCTS GROUP, INC

MFG: COMMERCE CA, BLOOMINGTON, MN • WAREHOUSES: LANCASTER PA, ATLANTA GA, CHICAGO IL, SEATTLE WA, FORT MYERS FL, DALLAS TX, FARGO ND, OMAHA NE



Dampers Submittals

Job Name: KT2400728 SDG #3755 1950 FISCHER HALLMAN

Job Location: KITCHENER, ON.

Date Printed: 10/9/2024

Spec Section: 15 - HVAC

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



All-In-One
Detailed Submittal Schedule
Dampers

#	Qty	Model	Width, Height	Design	Mtg Pos	Fire Rating	Temp	Sleeve Length
18	1	FDD	10.00, 5.00	B	H	1.5HR	165	0.00
B - Blades Outside Airstream H - Horizontal 1.5HR - 1.5 Hour 165 - 165 Degrees								
19	1	FDD	20.00, 18.00	B	H	1.5HR	165	0.00
B - Blades Outside Airstream H - Horizontal 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.

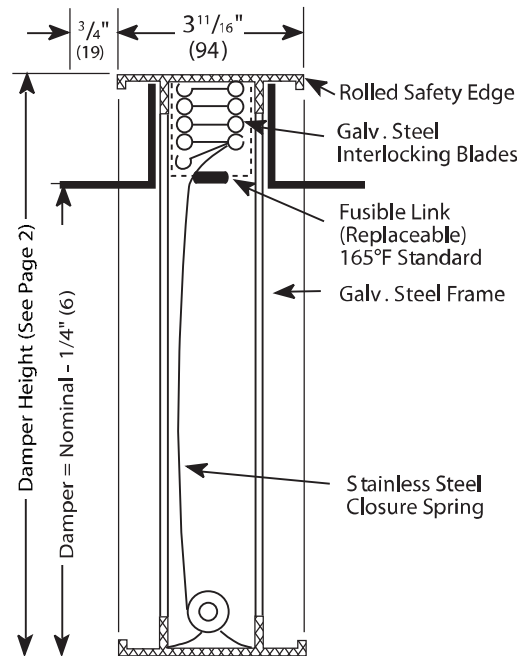
UL/ULC Approved for Use in Static and Dynamic Systems.

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

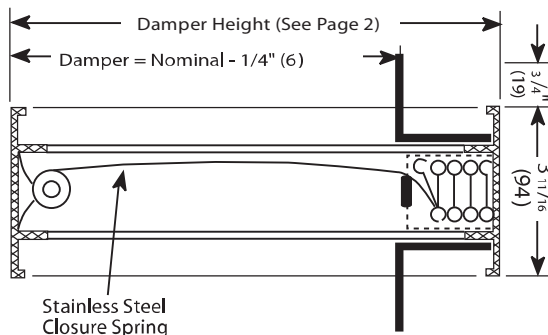


DESIGNED AND TESTED IN ACCORDANCE WITH UL-555 AND ULC-S112. MEETS ALL NFPA-90A REQUIREMENTS FOR FIRE DAMPERS.

**LISTED
AND
LABELLED BY:**



FDD-HB



PROJECT: KT2400728 SDG #3755 1950 FISCHER HALLMAN

PRICE®

ENGINEER:

CUSTOMER:

May / 08

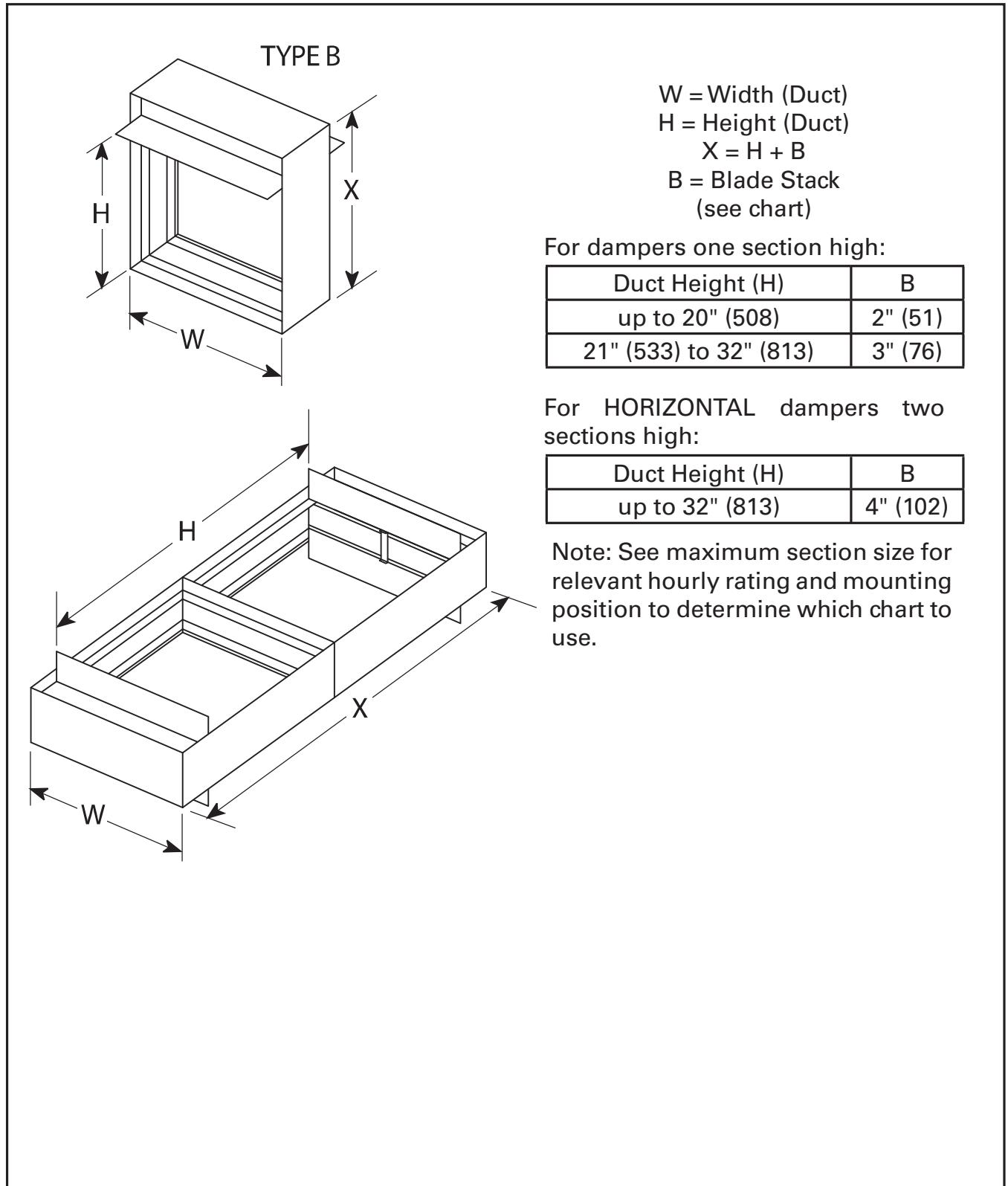
SUBMITTAL DATE: 10/9/2024

SPEC. SYMBOL:

245015

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

Dynamic Fire Damper, Horizontal and Vertical



SUBMITTAL

Job Name: **SDM 1950 FISHER HALLMAN BLD 200 KITCHENER**

Engineer: *

Elevation: (ft) 568

Date: 10/09/2024

Submitted By: Amanda Stennett

Email: astennett@ehpricesales.com

Phone: (905)660-0066

E H PRICE LIMITED

571 CHRISLEA ROAD UNIT 3

WOODBIDGE, ON L4L 8A2

CA

Phone: (905)669-8988

Fax: (905)660-9121

Email Address: astennett@ehpricesales.com



P.O. Box 410 Schofield, WI 54476 (715) 359-6171 FAX (715) 355-2399 www.greenheck.com

Model: CSP-A250

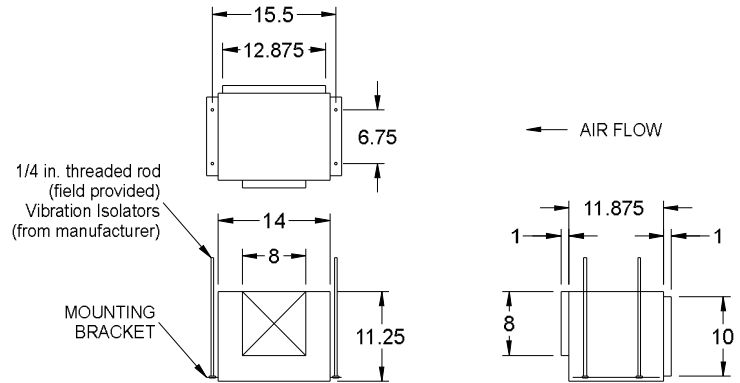
Inline Cabinet Fan

Standard Construction Features:

- Corrosion resistant galvanized steel scroll and housing - Sound absorbing insulation - Rectangular inlet and outlet duct collar - Outlet with integral spring loaded back draft damper - Double inlet forward curved wheel - Plug type disconnect - Adjustable mounting brackets - Field rotatable discharge

Selected Options & Accessories:

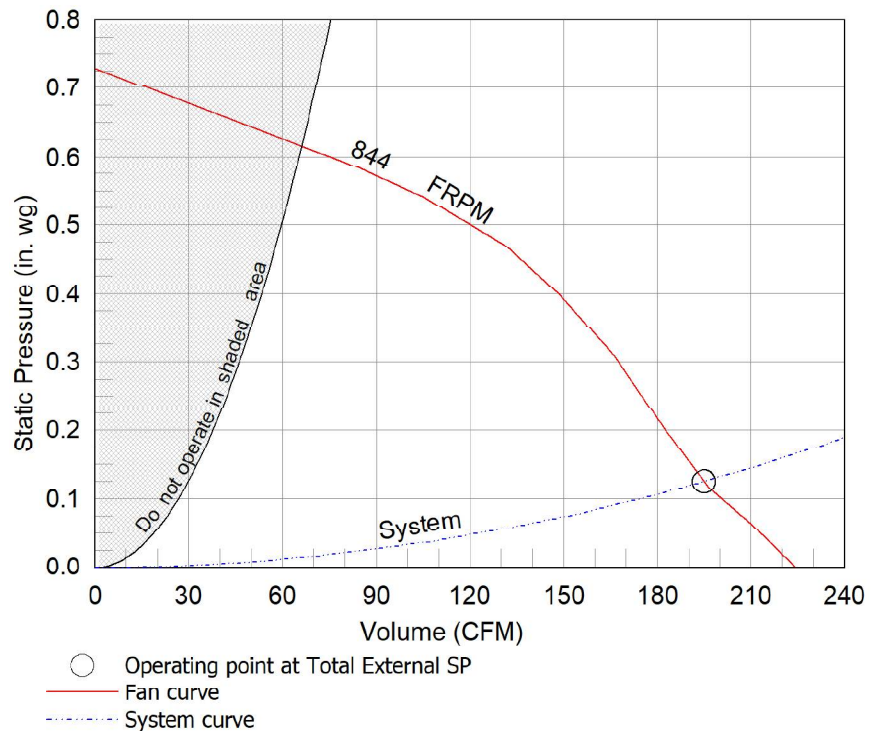
Motor rated for continuous use
Motor with Thermal Overload
Motor with CSA Approval
Motor with 40 Degree C Ambient Temperature
UL/cUL 507 Listed - Electric Fan
Solid State Speed Control, 6 Amp, Shipped Loose
Isolation Kit, (PN: VI KIT-SP/CSP), Shipped Loose
Adjustable easy installation mounting bracket
Polypropylene Wheel Material
Can Be Used to Comply with: ASHRAE 62.2 and Washington State Energy Code



Dimensional	
Quantity	2
Weight w/o Acc's (lb)	23
Weight w/ Acc's (lb)	25

Performance	
Requested Volume (CFM)	195
Actual Volume (CFM)	195
Total External SP (in. wg)	0.125
Fan RPM	844
* FLA (A)	0.56
Elevation (ft)	568
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.073
Sones	0.4

Motor	
Motor Mounted	Yes
** Input Watts (W)	38
Voltage/Cycle/Phase	115/60/1
Enclosure	ODP



Sound Power by Octave Band

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	49	48	43	41	36	27	24	23	42	27	0.4

Notes:

All dimensions shown are in units of in.
*FLA is approximate and will vary slightly with the motor.
Sones - calculated using AMCA 301 at 5 ft
** Wattage is approximate and may vary between motors.



Model: CSP-A125

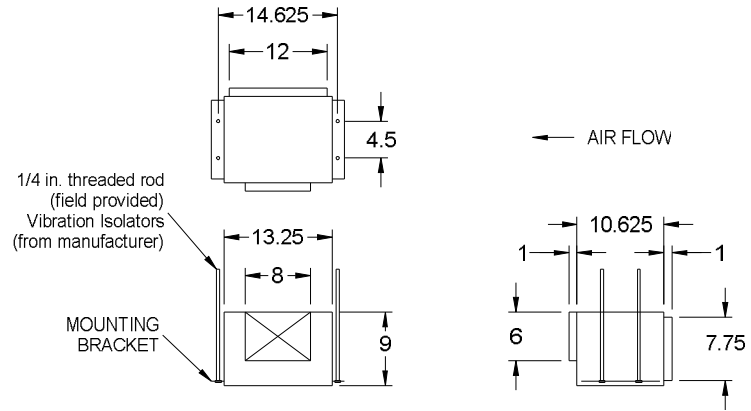
Inline Cabinet Fan

Standard Construction Features:

- Corrosion resistant galvanized steel scroll and housing - Sound absorbing insulation - Rectangular inlet and outlet duct collar - Outlet with integral spring loaded back draft damper - Double inlet forward curved wheel - Plug type disconnect - Adjustable mounting brackets - Field rotatable discharge

Selected Options & Accessories:

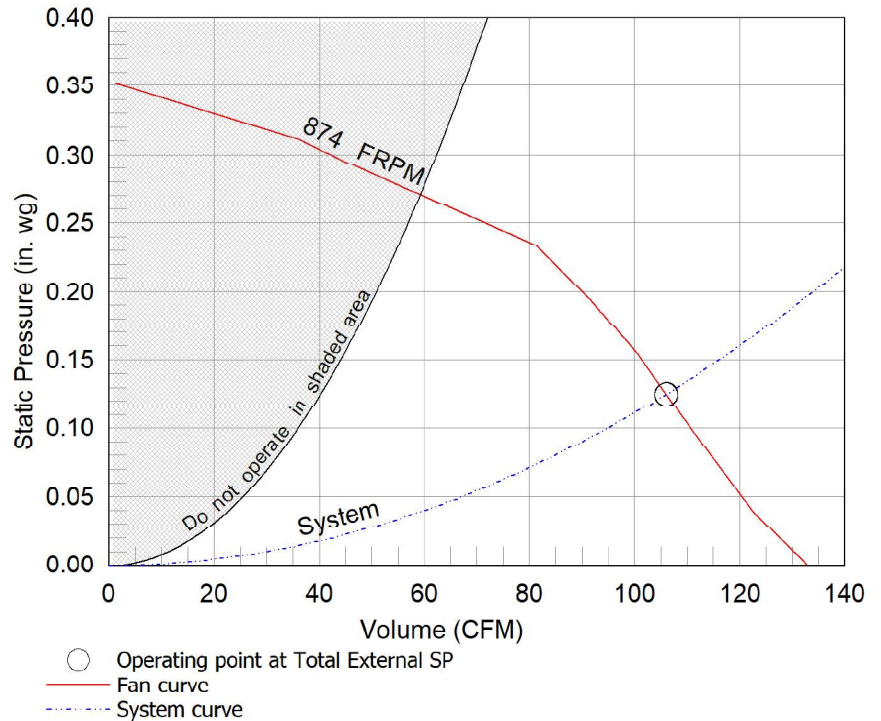
Motor rated for continuous use
Motor with Thermal Overload
Motor with CSA Approval
Motor with 40 Degree C Ambient Temperature
UL/cUL 507 Listed - Electric Fan
Solid State Speed Control, 6 Amp, Shipped Loose
Isolation Kit, (PN: VI KIT-SP/CSP), Shipped Loose
Adjustable easy installation mounting bracket
Energy Star Certified
Polypropylene Wheel Material
Can Be Used to Comply with: ASHRAE 62.2, California Title 24, and Washington State Energy Code



Dimensional	
Quantity	1
Weight w/o Acc's (lb)	16
Weight w/ Acc's (lb)	18

Performance	
Requested Volume (CFM)	106
Actual Volume (CFM)	106
Total External SP (in. wg)	0.125
Fan RPM	874
* FLA (A)	0.18
Elevation (ft)	568
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.073
Sones	< 0.3

Motor	
Motor Mounted	Yes
** Input Watts (W)	38
Voltage/Cycle/Phase	115/60/1
Enclosure	ODP



Sound Power by Octave Band

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	41	34	37	21	17	12	12	22	30	15	< 0.3

Notes:

All dimensions shown are in units of in.
*FLA is approximate and will vary slightly with the motor.
Sones - calculated using AMCA 301 at 5 ft
** Wattage is approximate and may vary between motors.

