

## SHOP DRAWING TRANSMITTAL

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

Att: Stacey Melville

Project: **Shopper's Drug Mart #9688**  
Nashville Heights  
Kleinburg, Ontario

From: Kyle McCallum  
Date: May 12, 2025  
File: 7370.pt

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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.

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The documents are sent by: Courier • Hand • Pick-up • **Email**

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<u>Qty</u>	<u>Shop Drawings</u>	<u>Notes</u>
1	Grilles & Diffusers (EH Price)	<p>Reviewed: Four 10"x6" face size exhaust grilles tagged E-1 not indicate being provided. It appear there is typo (return grille tagged R-1 instead of exhaust grille tagged E-1). <b>REVISED.</b></p> <p>Supply diffuser tagged S-5 indicate a 10" dia. neck. Provide 14" dia. neck per mechanical drawing. <b>REVISED.</b></p> <p>Ensure steel plaster frame is being provided for supply diffuser tagged S-5.</p> <p>Return linear slot diffuser tagged R-7 indicate concealed mud frame. Provide exposed frame instead of concealed mud frame per mechanical drawings. <b>RESUBMIT.</b></p>
1	Fire-rated Door Grille (Air Louvres)	<p>Reviewed: Fire-rated door grille sizes not indicate elsewhere on cut sheet. <b>REVISED.</b></p>
1	Transfer Fans (Greenheck)	<p>Reviewed: Ensure reverse-acting thermostat is provided for each fan.</p>

## SUBMITTAL

### Approval Stamps

<p><b>Contractor</b></p> <div style="border: 2px solid #0056b3; padding: 10px; margin-top: 20px;"> <div style="display: flex; align-items: center;"> <div> <b>FORTIS GROUP</b> </div> </div> <p>REVIEWED AS TO GENERAL ARRANGEMENT AND LAYOUT ONLY. DIMENSIONS AND COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS ARE THE RESPONSIBILITY OF THE SUB CONTRACTOR.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">REVIEWED STATUS</td> <td>REVIEWED</td> </tr> <tr> <td>JOB NUMBER</td> <td>25-1024</td> </tr> <tr> <td>REVIEW DATE</td> <td>Apr 24, 2025</td> </tr> <tr> <td>REVIEWED BY</td> <td>Tim McEachen</td> </tr> </table> </div>	REVIEWED STATUS	REVIEWED	JOB NUMBER	25-1024	REVIEW DATE	Apr 24, 2025	REVIEWED BY	Tim McEachen	<p><b>Owner</b></p>				
REVIEWED STATUS	REVIEWED												
JOB NUMBER	25-1024												
REVIEW DATE	Apr 24, 2025												
REVIEWED BY	Tim McEachen												
<p><b>Architect</b></p>	<p><b>Engineer</b></p> <div style="margin-top: 20px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>INTEGRATED ENGINEERING</b> </div> <div style="border: 1px solid black; padding: 5px; text-align: center; font-size: small;">             REVIEW OF THIS DRAWING IS FOR GENERAL CONFORMITY WITH THE DESIGN ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIREMENTS OF THE INSTALLATION.           </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">PROJ No. <span style="color: red;">7370</span></td> <td style="width: 20%;">REVIEWED</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td>DATE <span style="color: red;">25.05.12</span></td> <td>REVISED</td> <td></td> <td></td> </tr> <tr> <td>BY <span style="color: red;">KJM</span></td> <td>RESUBMIT</td> <td></td> <td style="text-align: center; color: green;">✓</td> </tr> </table> <p style="color: red; text-align: center; margin-top: 10px;">SEE NOTES &amp; COMMENTS ON TRANSMITTAL</p> </div>	PROJ No. <span style="color: red;">7370</span>	REVIEWED			DATE <span style="color: red;">25.05.12</span>	REVISED			BY <span style="color: red;">KJM</span>	RESUBMIT		✓
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DATE <span style="color: red;">25.05.12</span>	REVISED												
BY <span style="color: red;">KJM</span>	RESUBMIT		✓										



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

PROJECT NAME

PROJECT ADDRESS DATE SUBMITTED

TO

FROM

COMPANY

COMPANY

EMAIL

EMAIL

ADDRESS

260 Edgeley Blvd, Suite 16 Vaughan, ON L4K 3YA

ADDRESS

54 Audia Court, Unit 2  
Concord, ON L4K 3N5

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**Title**

HVAC - Shops

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**Description**

Please refer below for review and feedback.

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SPEC

SUBSECTION

ITEM

TYPE



# Grilles, Registers, Diffusers Submittals

**Job Name:** SHOPPERS #9688 KLEINBURG 6520  
MAJOR MACKENZIE

**Project Number:** TS2500634

**Job Location:**

**Customer:**

**Date Printed:** 2025-04-10

**Spec Section:** 15 - HVAC

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

Phone: 6479930711  
Email: [astennett@ehpricesales.com](mailto:astennett@ehpricesales.com)

**Notes:**

Price Select  
Grilles, Registers, DiffusersJob Name: SHOPPERS #9688 KLEINBURG 6520 MAJOR  
MACKENZIEJob Name SHOPPERS #9688 KLEINBURG 6520  
MAJOR MACKENZIE

Contractor

Entered By Amanda Stennett

Engineer

Rep Job No TS2500634

Sales Person Amanda Stennett

Location

Units Imperial

Customer

Model	Tag	Qty	Unit Size	Inlet Size	Border	Configuration	Air Pattern	Face Size	Damper	Accessories
80	E-1	1	10.000 x 6.000		F				VCS3	
80	E-2	4	11.000 x 11.000		NF			12 x 12		
80	E-3	2	24.000 x 12.000		F				VCS3	
80	E-4	2	23.000 x 23.000		NF			24 x 24		
80	R-1	3	7.000 x 7.000		NF			8 x 8		
80	E-1 R-1	4	9.000 x 5.000		NF			10 x 6		
80	R-2	4	24.000 x 6.000		CORE			24 x 6		
80	R-3	1	23.000 x 11.000		NF			24 x 12		
80	R-3	15	24.000 x 12.000		CORE			24 x 12		
80	R-4	2	24.000 x 24.000		CORE			24 x 24		
530	R-5	1	26.000 x 18.000		F	L				
90	R-6	1	28.000 x 16.000			L			VCS3	
CF	R-7	1	264.00		CMF		DPC			No-Acc
SPD	S-1	6	24 x 24	6	31			24 x 24		
SPD	S-2	4	24 x 24	8	31			24 x 24		
SPD	S-3	27	24 x 24	10	31			24 x 24		
SPD	S-3	2	24 x 24	10	31			24 x 24		
SPF	S-3	2	24 x 24							
SPD	S-4	9	24 x 24	12	31			24 x 24		
SPD	S-5	2	24 x 24	14 10	31			24 x 24		
620	S-6	5	16.000 x 8.000		F	S			VCS3	



Price Select  
Grilles, Registers, Diffusers

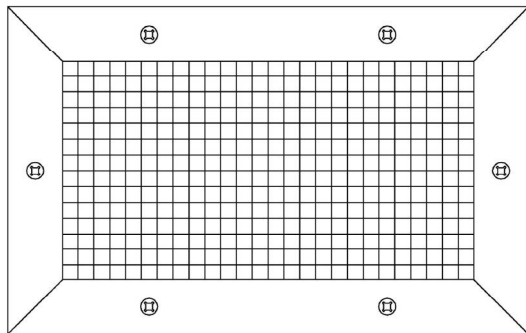
Job Name: SHOPPERS #9688 KLEINBURG 6520 MAJOR  
MACKENZIE

Model	Tag	Qty	Unit Size	Inlet Size	Border	Configuration	Air Pattern	Face Size	Damper	Accessories
LBPH	S-7	2	48.000 x 2.500		1000				3	
HCD	S-8	1	72.000 x 12.000		F		1B		VCS5	VCS5

Performance Notes

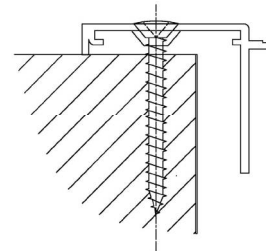
- 1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
- 2. The NC, sound pressure level, is based on a room absorption of 10dB re 10<sup>-12</sup> Watts in each octave band.
- 3. Blanks (--) indicate an NC level below 15.
- 4. Throw data is based on the temperature differential (Dt), in degrees Fahrenheit (°F), between supply air temperature and room temperature.
- 5. Throw values, in feet (ft), are provided at terminal air velocities of 150 fpm, 100 fpm, and 50 fpm for supply applications.
- 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.).

**80 Egg Crate Register with Steel Damper – 1/2" x 1/2" x 1/2" Core**



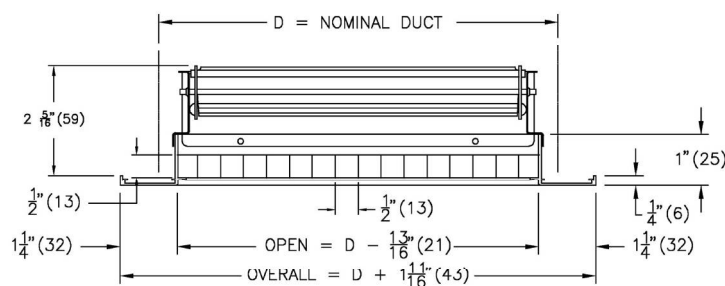
**Fastening:** A

Countersunk Screw Holes



**Border:** F

1 1/4" (32) Flat Frame



**Material:**

- Grille - Aluminum construction
- Damper - Steel construction

**Finish:**

- B12 - Standard White

**Notes:**

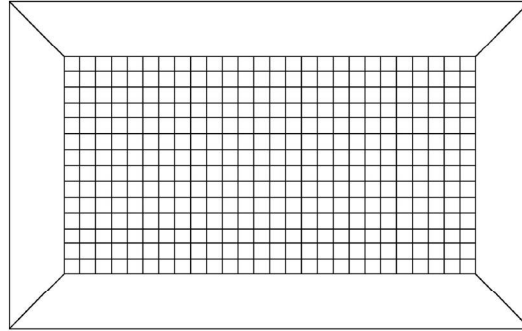
- 1/2" x 1/2" x 1/2" aluminum grid core
- Minimum duct size = 6" x 4" (152mm x 102mm)
- Maximum duct size without mullion = 48" x 24" (1219mm x 610mm)
- Maximum duct size with mullion = 96" x 48" (2438mm x 1219mm)
- Units with mullion supplied in one-piece frame construction
- Units over 96" x 48" (2438mm x 1219mm) supplied in sections c/w Duct Mounting Channel
- Factory tolerance  $\pm 1/32"$  (1mm)

**PROJECT:** SHOPPERS #9688 KLEINBURG 6520 MAJOR MACKENZIE  
**ENGINEER:**  
**DESCRIPTION:** Egg Crate Grille, 1/2" X 1/2" X 1/2"  
 80//1/10.000,24.000/6.000,12.000//SW/F////////A////////VCS3/B12

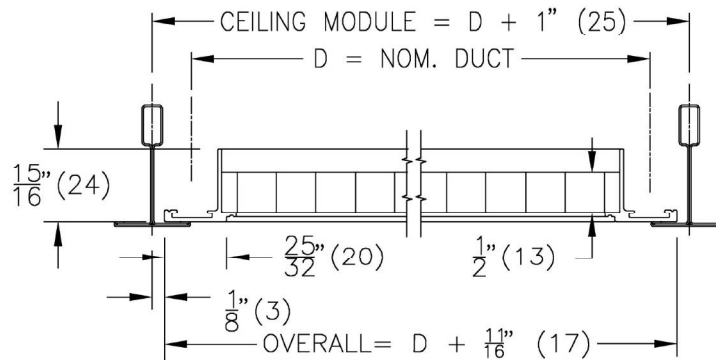
**SUBMITTAL NO:** 259683-E  
**CUSTOMER:**

**SUBMITTAL DATE:** 4/10/2025

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



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



**Material:**

- Grille - Aluminum construction

**Finish:**

- B12 - Standard White

**Notes:**

- 1/2" x 1/2" x 1/2" 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)

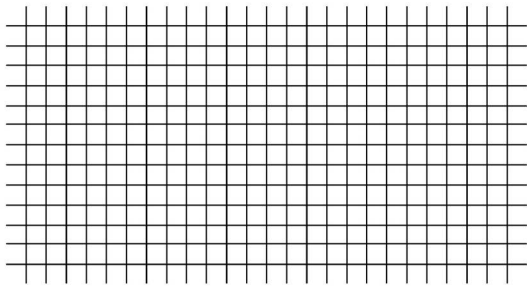
**PROJECT:** SHOPPERS #9688 KLEINBURG 6520 MAJOR MACKENZIE  
**ENGINEER:**  
**DESCRIPTION:** Egg Crate Grille, 1/2" X 1/2" X 1/2"  
80//11.000,23.000,7.000,9.000/11.000,23.000,7.000,5.000//LI/NF/////12,24,8,10/12,24,8,6//0/////B12

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

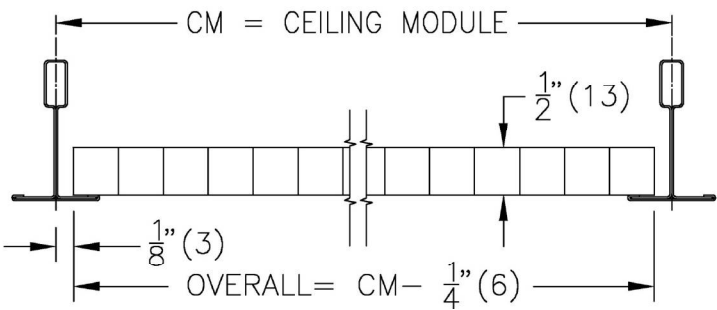
**SUBMITTAL DATE:** 4/10/2025



80 Egg Crate Grid Core Only – 1/2" x 1/2" x 1/2"



Border: CORE Core only



Material:

- Grille - Aluminum construction

Finish:

- B12 - Standard White

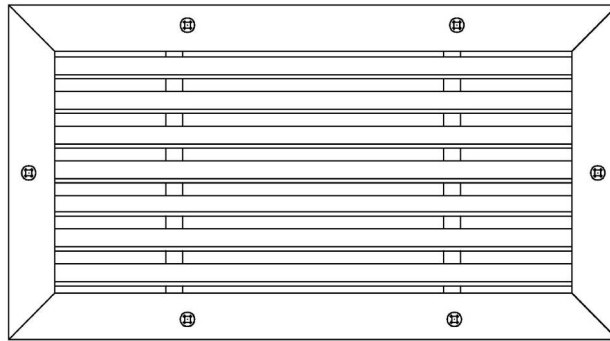
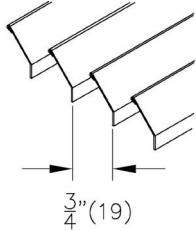
Notes:

- 1/2" x 1/2" x 1/2" aluminum grid core
- Minimum duct size = 6" x 4" (152mm x 102mm)
- CORE units maximum duct size = 48" x 24" (1219mm x 610mm)
- Factory tolerance  $\pm 1/32"$  (1mm)

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

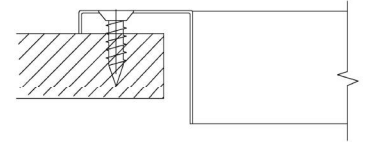
### Core Style:

Single Deflection



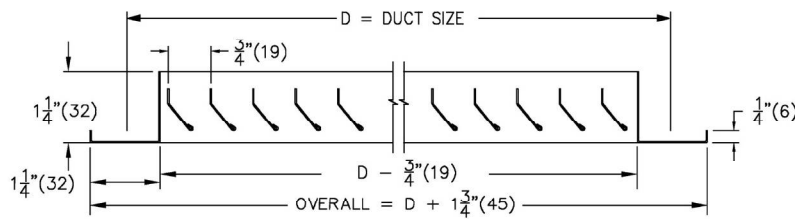
### Fastening:

A: Countersunk Screwholes with Screws



### Border: F

1 1/4" (32) Flat Frame



### Material:

- Steel

### Finish:

- B12 - Standard White

### Notes:

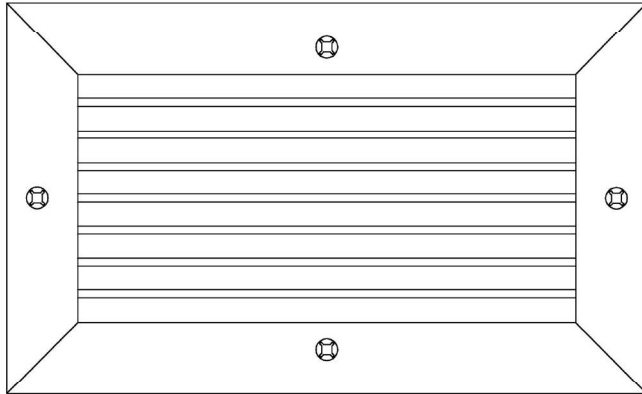
- Blades parallel to Long dimension
- 45° Deflection roll formed blades on 3/4" (19) centers
- Factory tolerance  $\pm 1/32$ " (1)

**PROJECT:** SHOPPERS #9688 KLEINBURG 6520 MAJOR MACKENZIE  
**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:**

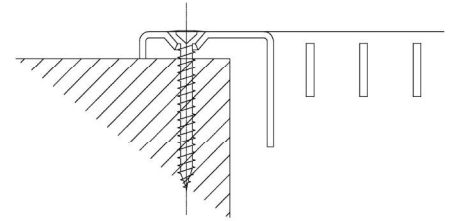
**SUBMITTAL DATE:** 4/10/2025

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



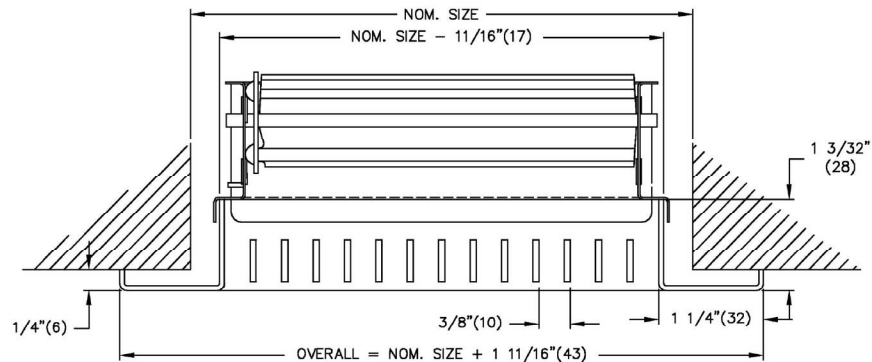
### Fastening:

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:

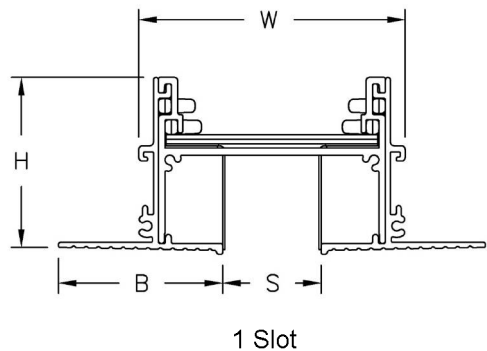
- B12: Standard White

**PROJECT:** SHOPPERS #9688 KLEINBURG 6520 MAJOR MACKENZIE  
**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:** 4/10/2025

CF Custom Flow



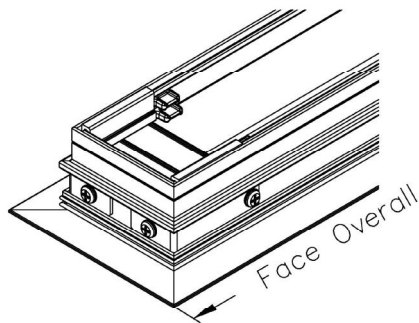
Slot Qty	S	B	H	W	Opening Width*
1	1"	1 11/16"	1 3/4"	2 3/4"	3 3/8"

\* 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: 264.00"  
Frame Style: CMF - Concealed Mud Frame

Endcaps

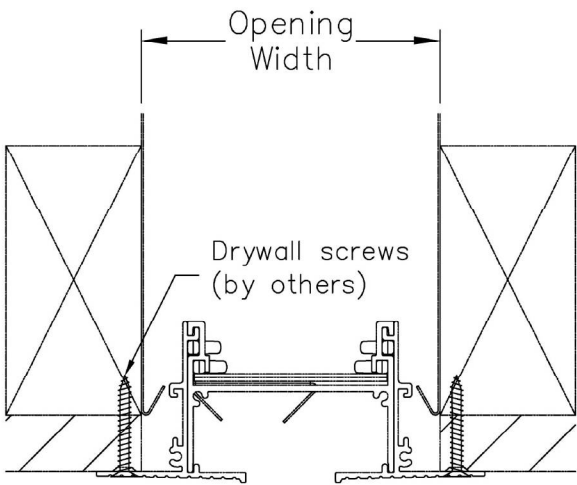
XX Mitered Endcaps



End Condition	Face Overall Length
XX	Ordered + 1 1/16"

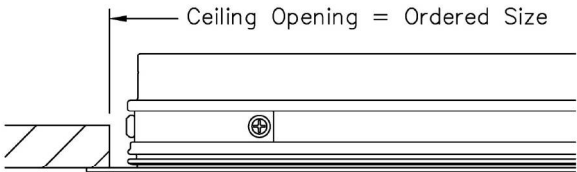
Mounting:

A Countersunk Holes



Application

SM Surface Mount



Material

- Extruded aluminum frame & spacers
- Steel pattern controllers
- Plastic locking pins
- Coated steel fasteners

Finish

- Diffuser face: PA - Prepared Aluminum - Mill Finish Factory Cleaned
- CMF outer frames come with a PA finish. On 2 slot variations, only center tee will be painted.
- Interior surface: NO-BFR - upper frame to match diffuser face finish (JS)
- Pattern controllers - B17 black

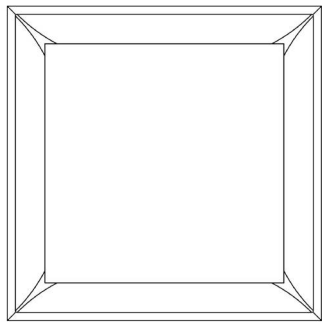
Notes

- Minimum length 12" (305mm)
- Maximum section length 120" (3048mm)
- 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
- Taping and plaster finishing by others
- 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.

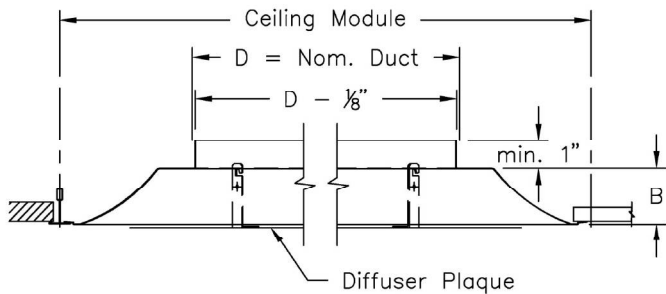
SPD Square Plaque Diffuser



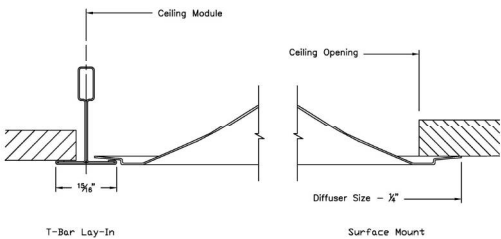
Duct Diameter: 6"  
Backpan Height (B): 2 1/2"  
Ceiling Module: 24" x 24"  
Ceiling Opening:  
(Surface Mount App) 22" x 22"

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

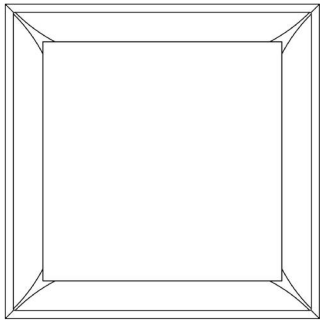
Material:

- Diffuser: Steel

Finish:

- B12 - Standard White

SPD Square Plaque Diffuser



Duct Diameter: 8"

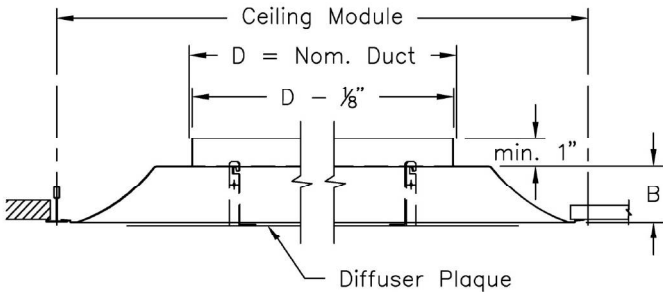
Backpan Height (B): 2 1/2"

Ceiling Module: 24" x24"

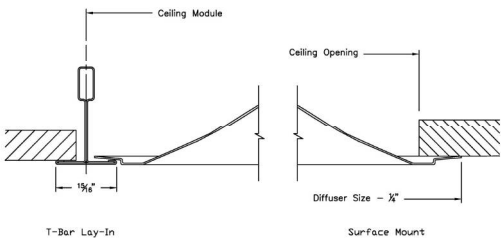
Ceiling Opening:  
(Surface Mount App) 22" x 22"

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

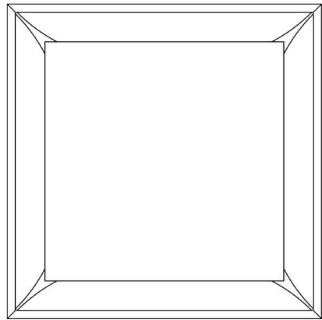
Material:

- Diffuser: Steel

Finish:

- B12 - Standard White

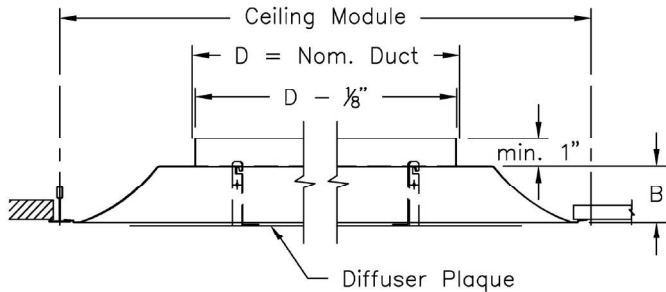
SPD Square Plaque Diffuser



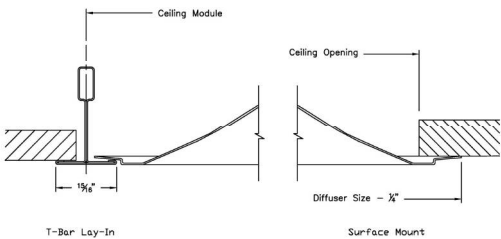
Duct Diameter: 10"  
Backpan Height (B): 2 1/2"  
Ceiling Module: 24" x 24"  
Ceiling Opening:  
(Surface Mount App) 22" x 22"

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:

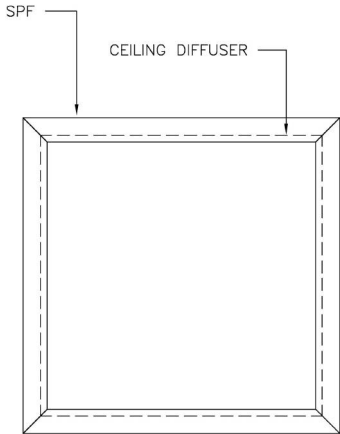
- Diffuser: Steel

Finish:

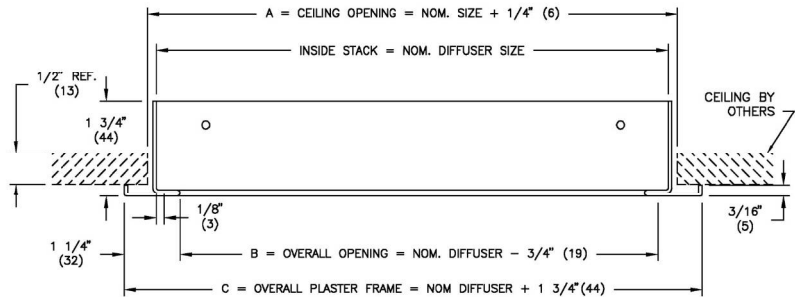
- B12 - Standard White



SPF Steel Plaster Frame



Nom. Diffuser Size	A	B	C
24 x 24	24 1/4 x 24 1/4	23 1/4 x 23 1/4	25 3/4 x 25 3/4



Notes:

- Factory Tolerance ± 1/32" (1)

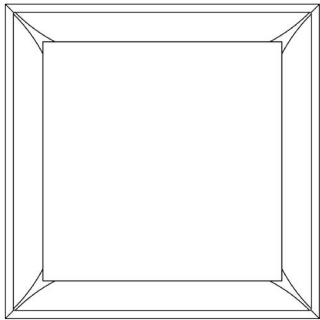
Material:

- Heavy Gauge Steel

Finish:

- B12: Standard White

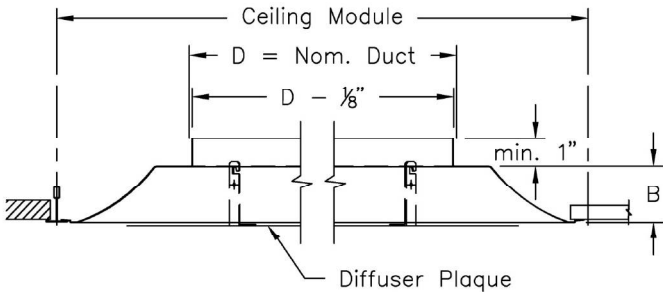
SPD Square Plaque Diffuser



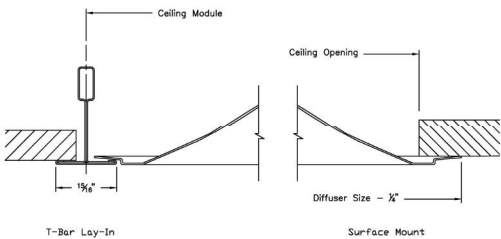
- Duct Diameter: 12"
- Backpan Height (B): 2 1/2"
- Ceiling Module: 24" x24"
- Ceiling Opening:  
(Surface Mount App) 22" x 22"

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

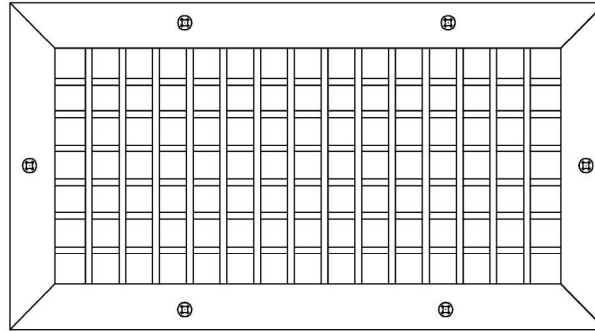
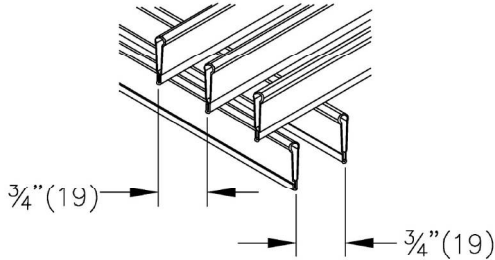
Finish:

- B12 - Standard White

## 620-1-2 Aluminum Supply Grille - Double Deflection

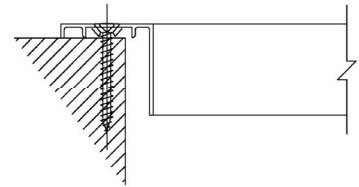
### Core Style:

Double Deflection

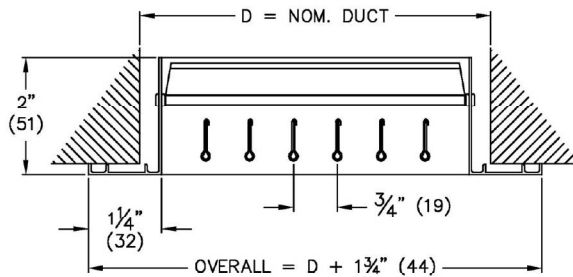


### Fastening:

A: Countersunk Screwholes  
c/w Screws



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



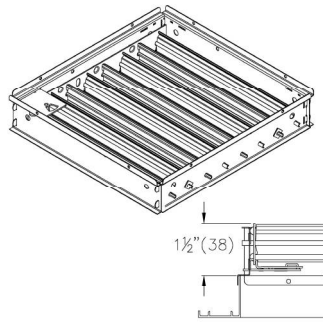
### Material:

- Aluminum

### Finish:

- B12 - Standard White

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



### Notes:

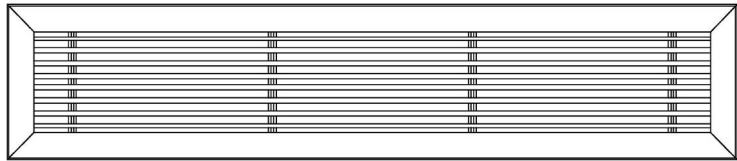
- Front blades parallel to Short dimension
- Individually adjustable roll formed blades on 3/4" (19) centers
- VCS3 opposed blade damper, coated steel
- Factory tolerance  $\pm 1/32"$  (1)
- Visible mullions are included when blades are parallel to nominal size dimension larger than 24" (610).

**PROJECT:** SHOPPERS #9688 KLEINBURG 6520 MAJOR MACKENZIE  
**ENGINEER:**  
**DESCRIPTION:** Aluminum Supply Grille - Double Deflection  
620-1-2//1/16.000/8.000/SM/F///S/A/VCS3/B12

**SUBMITTAL NO:** 269136  
**CUSTOMER:**

**SUBMITTAL DATE:** 4/10/2025

LBPH Linear Bar Grille - Heavy Duty



End Conditions:

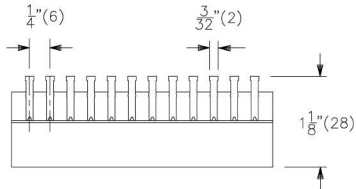
XX Both Mitred Ends

Finish:

B12 Standard White

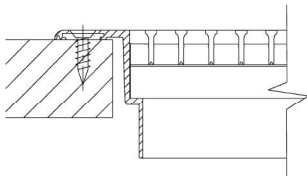
Core

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



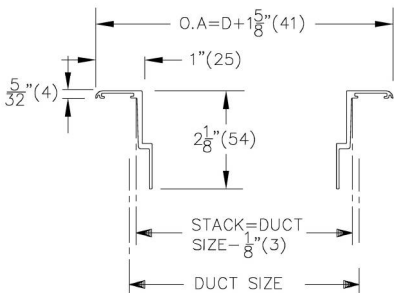
Fastening

A Countersunk Screw Holes



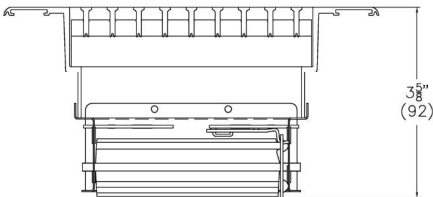
Border

1000 1" (25) Border



Accessories Included

VCS3

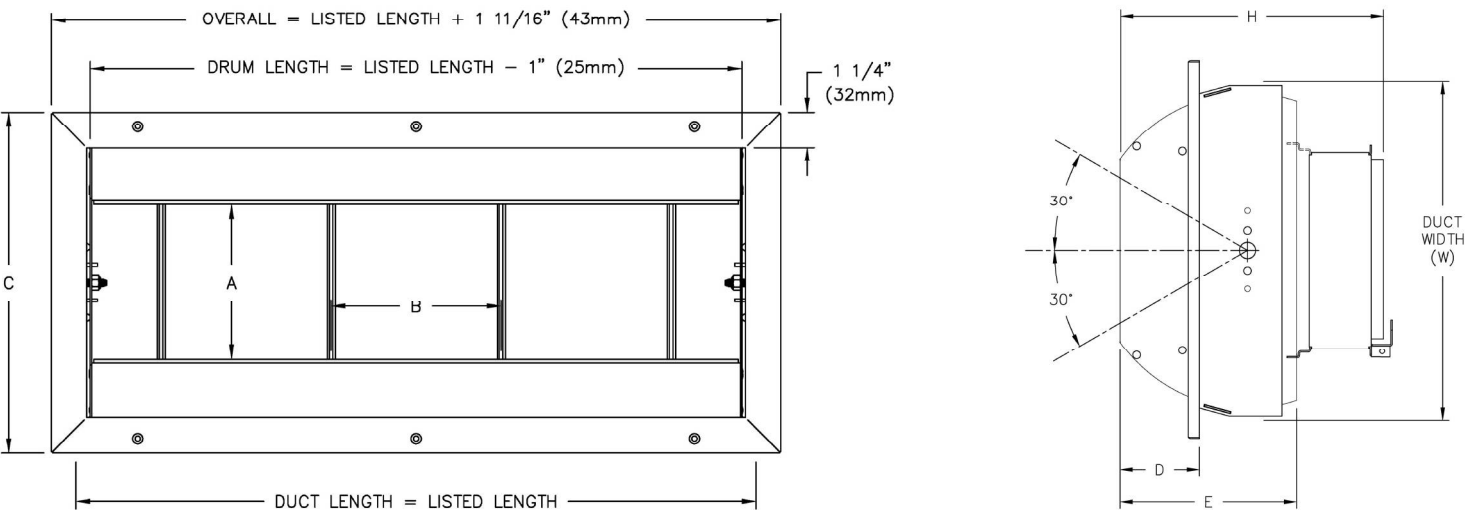


VCS3 opposed blade damper  
Min. nom. width = 2.5" (64)

Notes

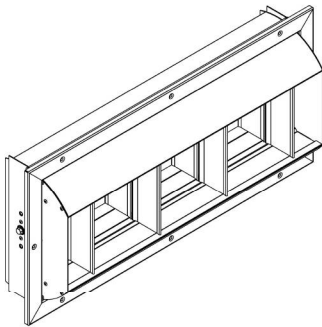
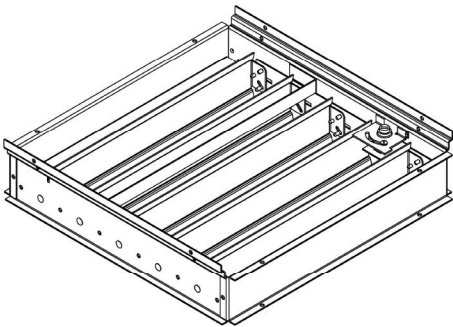
- For sidewall application
- Bars are parallel to the first dimension
- Weld build-up max. 1/16" (2) at corners
- Factory tolerance: ± 1/32" (1) per grille section
- Units wider than 24" are supplied in multiple sections with mounting channel(s)
- Extruded aluminum construction
- Sections can be joined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

HCD High Capacity Drum Diffuser



Listed Width	Duct Width (W)	A	B	C	D	E	H (VCS5)	Damper Width
12.000	12 1/2"	6 5/8"	6"	14 1/16"	3 1/4"	6 3/4"	8 11/16"	8"

**Damper:** VCS5 Heavy Duty Opposed Blade Damper (Steel)      **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
- VCS5 dampers will be provided up to a maximum length of 36" (914mm). On longer units dampers will be supplied in multiple sections
- Factory Tolerance: ± 1/32" (1 mm)

Material:

- ST - Steel frame with aluminum blades and outer drum

Finish:

- Drum & Frame:
- B12: Standard White

L12



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

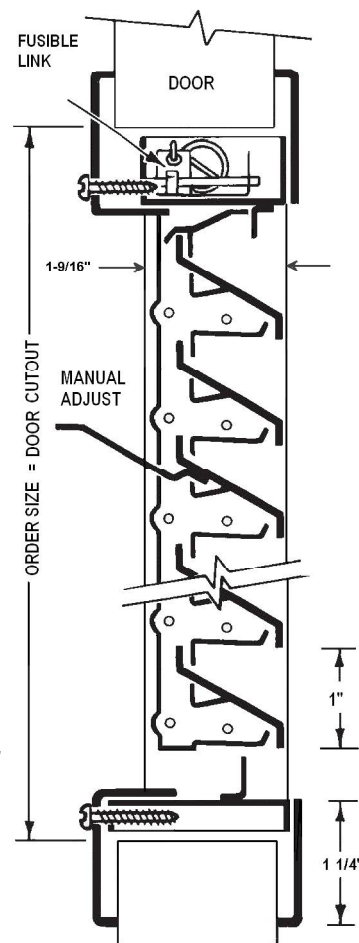
This Adjustable Z-Blade Louver with Fusible Link is Ideal for Use in Fire Doors up to 1-1/2 Hour Rating.  
Ideal for Installation in Existing Door Cutouts.



## SPECIFICATIONS:

<b>Material:</b>	18 gauge (.048") CRS frame. Min size 10" x 6", Max 24" x 24".
<b>Construction:</b>	<b>Louver:</b> 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. <b>Frame:</b> Mitered and welded corners; screws fastened through prepared frame into louver core leaving corridor side of frame free of fasteners.
<b>Operation:</b>	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.
<b>Door :</b>	For 1-3/4" steel or composite doors. <b>Door cutout = order size.</b>
<b>Fasteners:</b>	#8 x 3/4" Phillips flathead screws to match finish.
<b>Powder Coat Finishes:</b>	<div> <div> <div> <div> <div>(B) Mineral Bronze (standard color)</div> <div>(G) Gray</div> <div>(W) White</div> <div>(S) Sand</div> </div> <div> <div>(BK) Black</div> <div>(SB) SC Beige</div> <div>(AB) AMS Beige</div> </div> <div> <div>(FBK) Flat Black</div> <div>(SI) Silver</div> <div>(BRA) Brass</div> </div> </div> </div> </div>
<b>Free Flow Area:</b>	45% free area.

**SELF-ATTACHING FRAME**



## OPTIONAL FEATURES AT AN ADDITIONAL COST:

<b>Finishes &amp; Materials:</b>	___ (E) Electro Galvanized for corrosion resistance & exterior use
<b>Fasteners:</b>	___ Torx ___ Other: _____
<b>Screen:</b>	___ Insect Screen: Attached to the Corridor Side. <div> <div>___ aluminum</div> <div>___ fiberglass</div> <div>___ bronze</div> <div>___ stainless</div> </div>
<b>Custom:</b>	___ Bird Screen: Attached to the Corridor Side. 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**

	<b>Distributor:</b>	Width: <u>18</u> x Height: <u>12</u>
	<b>Architect:</b>	Quantity: _____
	<b>Contractor:</b>	Model: _____
	<b>Project:</b>	Date: _____ Version: ALPDS1901
800-554-6077 <a href="mailto:QUOTES@ACTIVARCPG.COM">QUOTES@ACTIVARCPG.COM</a> <a href="mailto:ORDERS@ACTIVARCPG.COM">ORDERS@ACTIVARCPG.COM</a> <a href="mailto:SALES@ACTIVARCPG.COM">SALES@ACTIVARCPG.COM</a> FAX: 952-835-2218 VISIT <a href="http://WWW.ACTIVARCPG.COM">WWW.ACTIVARCPG.COM</a> 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		

# ***SUBMITTAL***

*Job Name:*       **SHOPPERS #9688 KLEINBURG 6520 MAJOR  
MACKENZIE**

*Elevation: (ft)*   568

*Date:*            4/14/2025

*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](http://www.greenheck.com)

## Model: CSP-A200

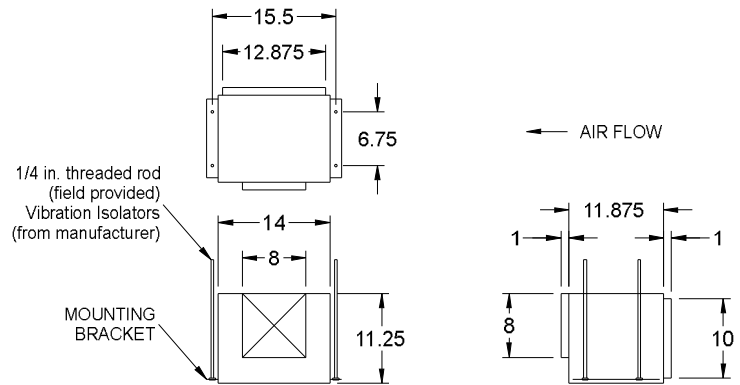
### Inline Cabinet Fan

#### 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:

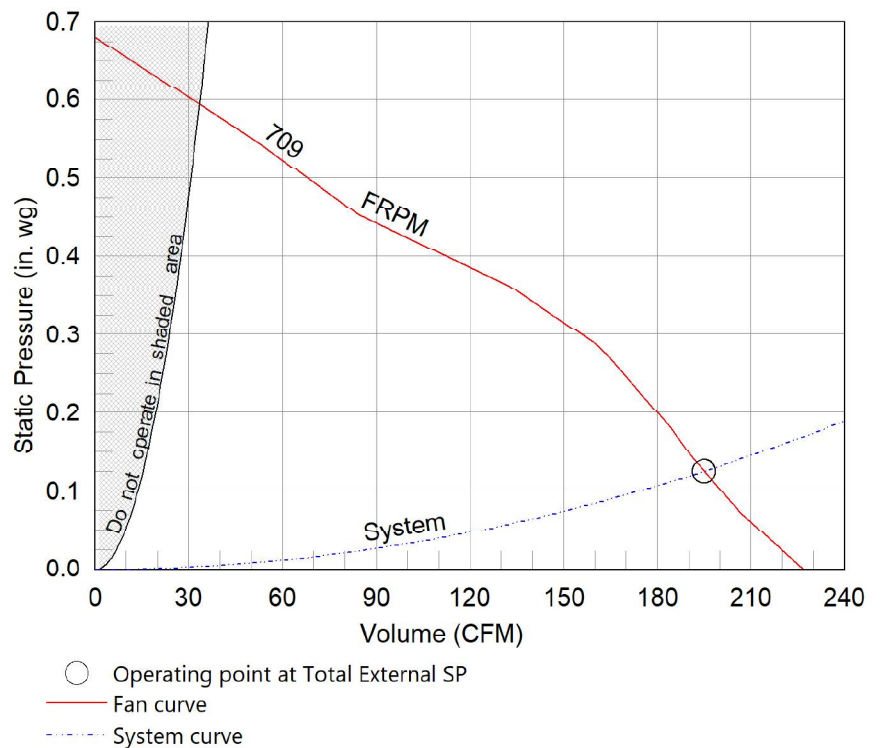
Motor with Thermal Overload  
Motor with CSA Approval  
Motor with 40 Degree C Ambient Temperature  
UL/cUL 507 Listed - Electric Fan  
Solid State Speed Control, 6 Amp, Shipped Loose  
Isolation Kit, (PN: VI KIT-SP/CSP), Shipped Loose  
Adjustable easy installation mounting bracket  
Energy Star Certified  
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)	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	709
* FLA (A)	0.46
Elevation (ft)	568
Airstream Temp.(F)	70
Air Density (lb/ft <sup>3</sup> )	0.073
Sones	< 0.3

Motor	
Motor Mounted	Yes
** Input Watts (W)	86
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	53	39	35	21	16	12	13	19	32	17	< 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.





## Model: CSP-A110

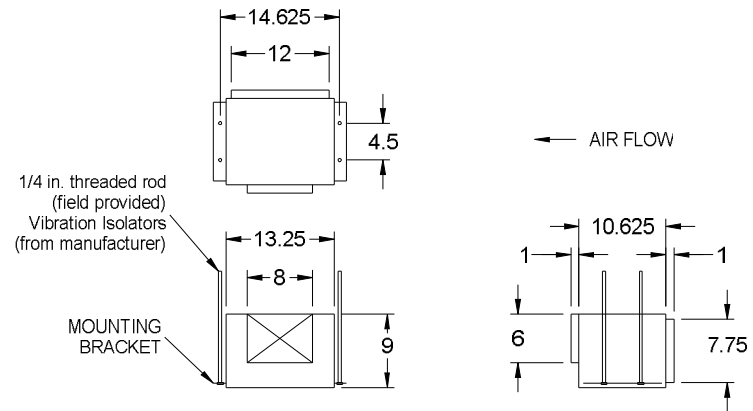
### Inline Cabinet Fan

#### 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:

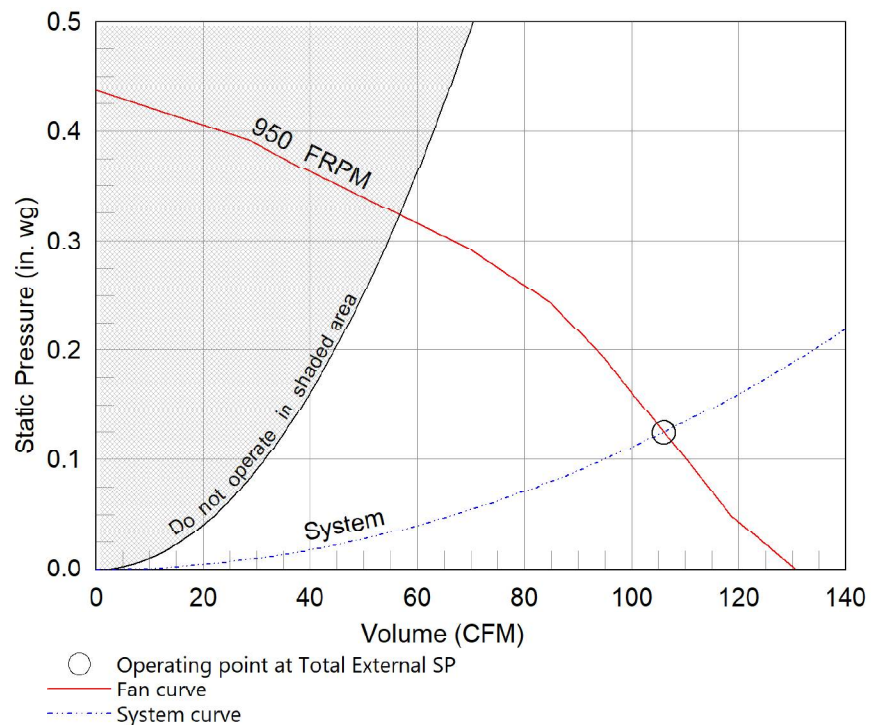
Motor with Thermal Overload  
 Motor with CSA Approval  
 Motor with 40 Degree C Ambient Temperature  
 UL/cUL 507 Listed - Electric Fan  
 Solid State Speed Control, 6 Amp, Shipped Loose  
 Isolation Kit, (PN: VI KIT-SP/CSP), Shipped Loose  
 Adjustable easy installation mounting bracket  
 Energy Star 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	950
* FLA (A)	0.19
Elevation (ft)	568
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.073
Sones	< 0.3

Motor	
Motor Mounted	Yes
** Input Watts (W)	47
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	38	29	32	18	13	6	11	21	27	12	< 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.



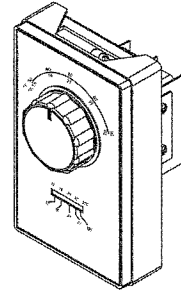
# COLUMBUS ELECTRIC

a division of TPI Corporation

## LINE VOLTAGE THERMOSTAT - ET9 SERIES


### DESCRIPTION

The Columbus Electric wall mounted line voltage thermostat is suitable for direct connection with any resistance heating elements and unit heaters. This thermostat has a snap action switch operated by a bimetal actuator and is available in single pole, double pole with positive off, two stage heat. Cooling only and heat or cool models. Other options include a built in thermometer and/or 6 inch wire leads.



### INSTALLATION INSTRUCTIONS

Application: A vertical wall box is used for mounting thermostat 4 to 5 feet above the floor on an inside wall where the thermostat will be subject to average room temperature. It should be away from concealed warm or cold water pipes, warm or cold air ducts, drafts from hallways or stairways.

1. **⚠ WARNING** Disconnect power from source.  
**⚠ AVERTISSEMENT** Débrancher l'alimentation de la source.
2. Remove cover from old thermostat.
3. Remove old thermostat by removing two screws.
4. Disconnect supply wires from old thermostat.
5. New installation: remove cover by gently pulling away from thermostat.
6. Make connection of supply lead(s) (red) and load lead(s) (black) using an approved connector (wire nut, crimp cap, or etc.).
7. Connect the ground wire to the terminal marked "GRD" or .
8. All wiring must conform to application code, ordinances and regulations in such matters as wire size, type of insulation and enclosure.
9. Dress wires into wall box and secure your new thermostat to the wall box with the screws provided.
10. Reinstall cover, select desired temperature and restore power.

### SPECIFICATIONS

#### ELECTRICAL RATING

22 A Resistive @ 125/250/277 Vac.  
3/4 HP @ 125 Vac.  
1-1/2 HP @ 250/277 Vac.

#### DIFFERENTIAL

HEAT APPROXIMATELY..... 2°F  
COOLING APPROXIMATELY..... 4°F  
HEAT ANTICIPATOR MODELS: 1/2°F

#### TEMPERATURE RANGE

SETTING RANGE..... 50°F TO 90°F  
HEATING OR COOLING: 50°F TO 90°F  
COOL ONLY .. 90°F TO 50°F  
75°F HI STOP.... 35°F TO 75°F

#### DIMENSIONS

4-3/4" ..... HEIGHT  
2-7/8" ..... WIDE  
2-7/8" ..... DEPTH

#### ⚠ WARNING

#### ⚠ AVERTISSEMENT

If this product is used to replace a device containing mercury, the purchaser or consumer must ensure that the mercury is properly managed to comply with state or federal regulations. The mercury must not become part of solid waste or waste water. Additional guidance may be obtained from the manufacturer of the product being removed, or by calling Columbus Electric Manufacturing Company Materials Manager.

1-800-251-7828

### WIRING DIAGRAMS

