

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 #1159**
470 Norfolk Street North
Simcoe, Ontario

From: Kyle McCallum
Date: April 3, 2025
File: 7439.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	<p>Reviewed: Refer to latest supplemental instruction 1m for clarification. Supply diffuser tagged S-1 shall be 24"x24" instead of 12"x12". REVISED.</p> <p>Three (3) return grille tagged R-1 for consult. rooms and all exhaust grilles tagged E-1 & E-2 shall be provided with duct connection per mechanical drawings.</p> <p>Return grille tagged R-3 shall be provided with hard ceiling frame for drywall ceiling application. Ensure it is bring provided.</p> <p>Verify diffusers & grilles quantities prior to ordering.</p>
1	Exhaust Fans	<p>Reviewed: No comment.</p>

**ENSURE COPIES OF FINAL SHOP DWGS ARE
INSERTED INTO MAINTENANCE MANUALS.**



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

PROJECT NAME
SDM 1159 - Simcoe Beauty
Boutique 25-003

PROJECT ADDRESS
470 NORFOLK STREET NORTH
SIMCOE, ONTARIO

DATE SUBMITTED

TO

FROM

COMPANY

INZAMAN KHAN

COMPANY

EMAIL

Consult Mechanical Inc.

EMAIL

inzaman@consultmechanical.com

ADDRESS

2800 JOHN ST #23 MARKHAM, ON L3R 0E2

ADDRESS

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

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.	7439	REVIEWED	
DATE	25.04.03	REVISED	✓
BY	KJM	RESUBMIT	

SEE NOTES & COMMENTS
ON TRANSMITTAL

Title

HVAC shops R.1

Description

GRDs: Sizes as per specs

BB

~~S-1 2 qty~~ S-1 - 1 QTY
~~S-2 9 qty~~ S-2 - 2 QTY
~~R-1 2 qty~~ S-3 - 6 QTY
~~R-2 4 qty~~ R-1 - 1 QTY
E-2 2 qty R-2 - 3 QTY
E-1 2 qty R-3 - 1 QTY

CC:

S-2 1 qty / S-1 3 qty / R-1 3 qty

Fans

EF-3,4 2 qty

SYMBOL	AIR FLOW RANGE (CFM)	NECK SIZE/FACE SIZE	MODEL NO.
<div>S-1 CFM</div>	80 - 160	6"ø/ 12" x 12"	E.H. PRICE MODEL SPD/B12 CEILING SUPPLY (PLAQUE) DIFFUSER
<div>S-2 CFM</div>	220 - 420	10"ø/ 24" x 24"	E.H. PRICE MODEL SPD SERIES CEILING SUPPLY DIFFUSER
<div>S-3 CFM</div>	320 - 600	12"ø/ 24" x 24"	E.H. PRICE MODEL SPD SERIES CEILING SUPPLY DIFFUSER
<div>R-1 CFM</div>	30 - 250	24" x 6"	E.H. PRICE MODEL 80 SERIES CEILING RETURN EGGRATE GRILLE
<div>R-2 CFM</div>	500 - 1100	24" x 12"	E.H. PRICE MODEL 80 SERIES CEILING RETURN EGGRATE GRILLE
<div>R-3 CFM</div>	1000 - 2200	24" x 24"	E.H. PRICE MODEL 80 SERIES CEILING RETURN EGGRATE GRILLE
<div>E-1 CFM</div>	300	24" x 12"	E.H. PRICE MODEL 80 SERIES CEILING EXHAUST GRILLE
<div>E-2 CFM</div>	300	24" x 24"	E.H. PRICE MODEL 80 SERIES CEILING EXHAUST GRILLE

Package Items



5 Sandhill Court, Unit C
Brampton, ON L6T 5J5
tel (905) 790-8667
fax (905) 790-3710
www.airex.ca

SHOP DRAWING PACKAGE COVER

Date: APRIL 1 2025

Project Name: SDM #1159

Project Address: 480 NORFOLK ST NORTH
SIMCOE, ONTARIO

REVISED & RESUBMITTED GRDS

Contractor: CONSULT MECHANICAL

Engineer: INTEGRATED ENGINEERING

Attention: INZAMAN KHAN

Enclosed are the submittal drawings for the above referenced project.
Please return one approved or corrected copy of each drawing.

Number of copies: 1

Delivery:

Airex Contact: Ed Morson

ed.morson@airex.ca

- Notes:
- ☐ For records only.
 - ☐ Orders released to the factory upon receipt of approved shop drawings.
 - ☒ Orders released to the factory upon receipt of approved shop drawings & authorization from the contractor to proceed.
 - ☐ Orders released for fabrication at the request of the contractor.

Square Plaque Diffuser - Architectural Line

Material: Stamped heavy gauge steel.
Finish: Powder paint coating - white.
Mounting: Surface or Lay-in T-bar ceiling.
Air Pattern: Fixed horizontal 360° diffusion.
Core Removal: Unlock hanger brackets by swiveling lever down. Holding core panel at opposite sides, push upwards, then turn clockwise and drop core free from back plenum.

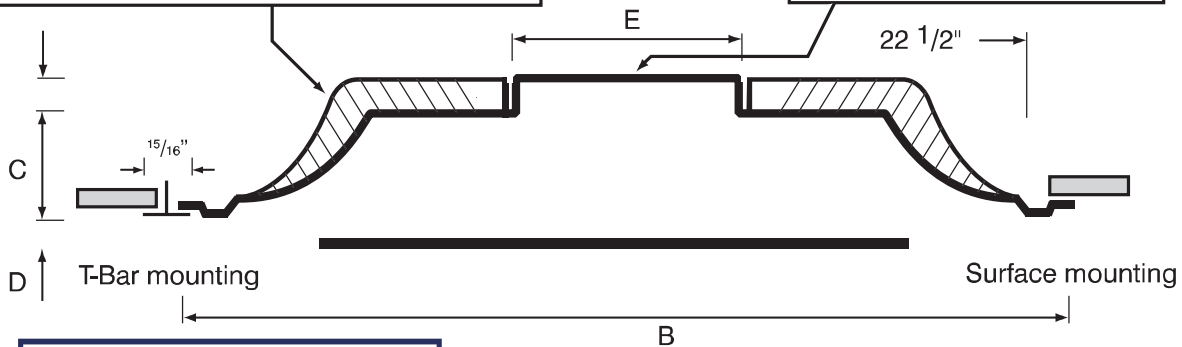

ISO

Round collar up to 14".
Standard height is 1".

☐ 2" collar

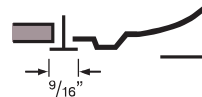
Optional fiberglass insulation on back panel, complies with A.S.T.M. E84 flame and smoke test. (Available only on models with 24" x 24" face)

☐ R4

☐ R6

TYPES -S1,S2,S3

✓	Model #	Duct Size	E	Face Dim B x B	C	D
	ISO 1206	6	5 7/8"	11 3/4" x 11 3/4"	1 3/4"	7/16"
	ISO 1208	8	7 7/8"	11 3/4" x 11 3/4"	1 3/4"	7/16"
	ISO 2406	6	5 7/8"	23 3/4" x 23 3/4"	2 7/8"	7/8"
	ISO 2408	8	7 7/8"	23 3/4" x 23 3/4"	2 7/8"	7/8"
	ISO 2410	10	9 7/8"	23 3/4" x 23 3/4"	2 7/8"	7/8"
	ISO 2412	12	11 7/8"	23 3/4" x 23 3/4"	2 7/8"	7/8"
	ISO 2414	14	13 7/8"	23 3/4" x 23 3/4"	2 7/8"	7/8"

Mounting

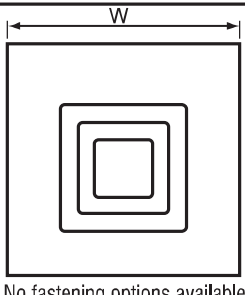
☐ -NT Narrow T-bar


Finish

☐ /W White
(Default)

☐ /C Custom
(Please Specify)


Panel Option for T-bar lay-in Ceiling

W	Steel (WxH)	Aluminum (WxH)
	<input type="checkbox"/> -X2412	<input type="checkbox"/> -Y2412
	<input type="checkbox"/> -X2424	<input type="checkbox"/> -Y2424
	<input type="checkbox"/> -X2448	<input type="checkbox"/> -Y2448
	<input type="checkbox"/> -X4824	<input type="checkbox"/> -Y4824
	<input type="checkbox"/> -X2020	<input type="checkbox"/> -Y2020

No fastening options available

Schedule type: _____

Job: _____

Architect: _____

Engineer: _____

Contractor: _____

Eggcrate Return Grilles • Aluminum Grid • Aluminum Border

☒ 50F • Code A • ½ x ½ x ½ Grid

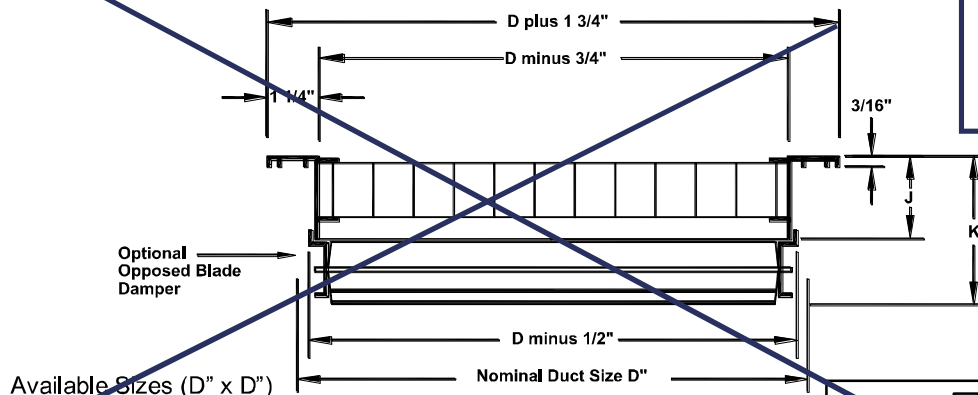
☐ 50F-NT • Code A • ½ x ½ x ½ Grid • Narrow Tee Border

☐ 50F • Code B • ½ x ½ x 1 Grid

☐ 50F-NT • Code B • ½ x ½ x 1 Grid • Narrow Tee Border

☐ 50F • Code C • 1 x 1 x 1 Grid

☐ 50F-NT • Code C • 1 x 1 x 1 Grid • Narrow Tee Border

☐ Border Type 1 (Surface Mount)


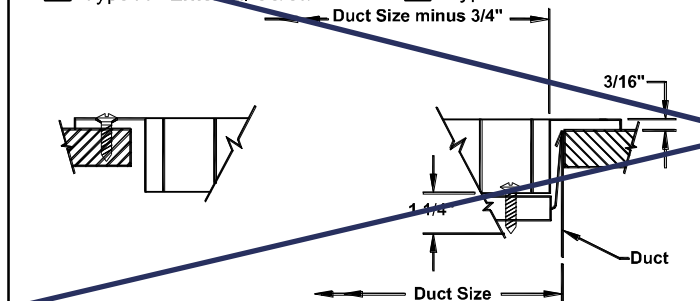
TYPE -R1,R2,R3
E1,E2

Border Type 1 available in sizes 6" x 4" through 48" x 48" in one piece construction. Sizes larger than 48" x 48" are shipped in multiple sections. Odd and fractional sizes are available at additional cost. Wall or duct opening should be duct size ± 1/8. All dimensions are in inches.

Check One	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dimension	½" x ½" x ½"	½" x ½" x 1"	1" x 1" x 1"	
J	1 ¼"	1 ¼"	1 ¼"	
K	2 ½"	2 15/16"	2 15/16"	

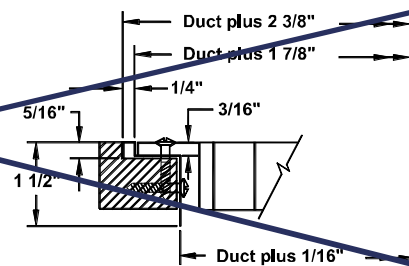
Fastenings

☒ Type A • External Screw

☐ Type C • Concealed Screw


Available with Border Type 1 only. Type 'C' fastening not available on unit with damper.

Mounting Frames

☐ PFAP • Aluminum Plaster Frame


Recessed Mounted Example

Note: Plaster frame can be installed as either surface mount or recessed. Dimensions are in inches. Wall or duct opening should be duct sizes ± 1/8.

Accessories (Optional) Check ☐ if provided.

☐ Neck mounted opposed blade damper (galvanized steel)

☐ IS • Insect Screen (1/16" square mesh – galvanized steel)

☐ EQT • Earthquake Tabs

☐ DS • Debris Screen (1/4" square mesh – galvanized steel)

☐ Other: _____

Standard Finish: #26 White

☐ Other Finish: _____

General Description

- #8 x 1 1/4 lg. Phillips flat head sheet metal screws painted white.
- Insect and debris screens are not available when dampers are fitted.
- Optional opposed blade damper has screwdriver adjustment accessible through face of grille.
- Material is aluminum.
- All dimensions are ± 1/16"

Optional Border Types Available

Border Type 3

• Accessories & Options

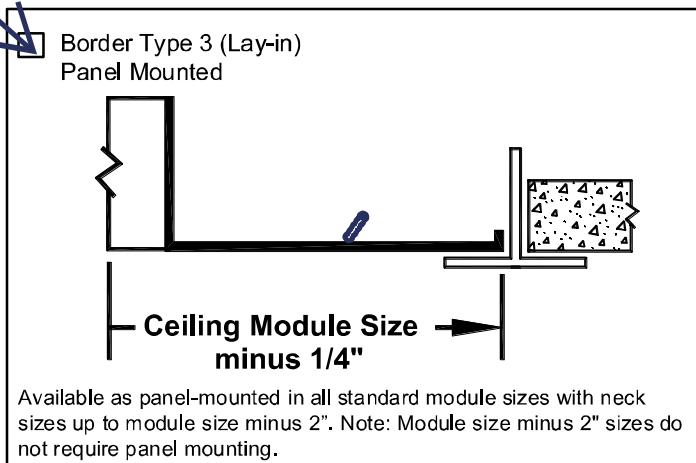
Check ☒ if provided.

- ☐ Neck mounted opposed blade damper (galvanized steel)
- ☐ IS • Insect Screen (1/16" square mesh – galvanized steel)
- ☐ DS • Debris Screen (1/4" square mesh – galvanized steel)
- ☐ EQT • Earthquake tabs
- ☐ Other: _____

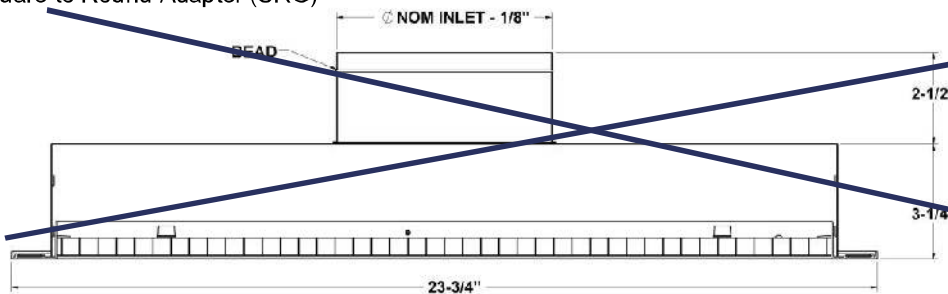
Note: Insect and Debris Screen are not available with Damper option

Standard Finish: #26 White

- ☐ Other Finish: _____



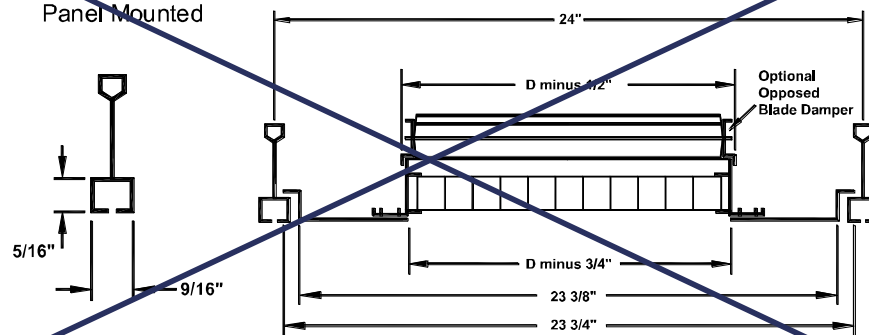
☐ Square to Round Adapter (SRG)



Adapter interior is black and factory-mounted to grille

24 X 24 Module Size	
Nominal Grille Size	Nominal Round Inlet Size
22x22	6
	8
	10
	12
	14
	16
	18
	20

☐ Border Type NT (Lay-in) Panel Mounted



Available Sizes (D" x D")
6" x 4" through 22" x 22" in 1" increments. Dimensions are in inches.

Border Type NT

Check ☒ if provided.

• Accessories & Options

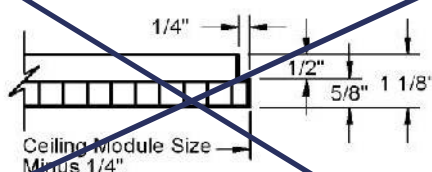
- ☐ Neck mounted opposed blade damper (galvanized steel)
- ☐ EQT • Earthquake Tabs
- ☐ IS • Insect Screen (1/16" square mesh – galvanized steel)
- ☐ DS • Debris Screen (1/4" square mesh – galvanized steel)
- ☐ Other: _____

Note: Insect and Debris Screen are mutually exclusive options

Standard Finish: #26 White

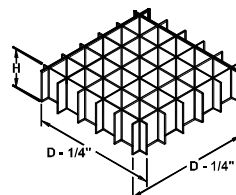
- ☐ Other Finish: _____

☐ Border Type 7 (Channel)



Available in sizes up to 48" x 48".

☐ Border Type 8 (Core only)



Available in sizes up to 48" x 48"

Border Type 7 and 8

• Accessories & Options

Check ☒ if provided.

- ☐ EQT • Earthquake tabs
- ☐ Other: _____

Standard Finish: #26 White

- ☐ Other Finish: _____

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale. Titus reserves the right to make changes without written notice.

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Model: VEBK08K4A1CA20SPC1 Spun Aluminum Downblast Centrifugal Belt Drive Powered Ventilator

Printed Mar 17, 2025, 2:36:04 PM

EF3,4

25125 - 480 NORFOLK ST N
SIMCOE

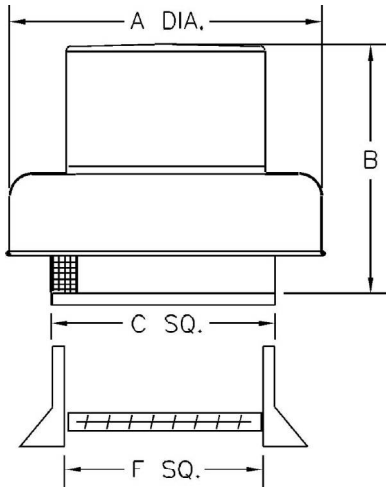
Qty: 2

Air Performance

70 Deg F @ 0 ft	
l/s	283
S.P.	0.093 kPa
bHP	0.11
RPM	1,464

Motor Details

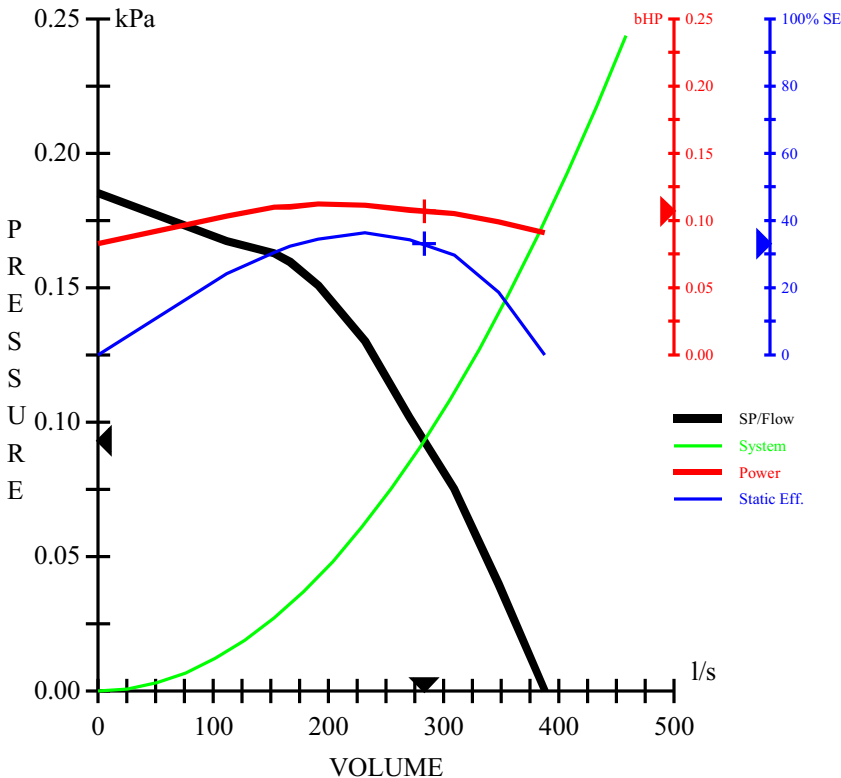
H.P.	1/6
TYPE	ODP
ELEC	115v/1ph



Sound Data

Octave Band								LwA	Sones
1	2	3	4	5	6	7	8	65	6.7
66	69	57	61	59	57	55	51		

(dB re 10⁻¹² watts)



Performance certified is for installation type A - free inlet, free outlet. Speed (RPM) is nominal. Performance is based on actual speed of test.

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet LwA sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction. The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A, free inlet hemispherical sone levels.

Dimensions

A	25 3/4 "
B STD	23 1/4 "
B EXT	28 "
C	15 1/2 "
F	11 "
Curb OD	14 "
Weight	30 lbs

Standard Features

Spun and shaped aluminum housing
Integral motor overload protection on all standard single phase motors
Disconnect switch on motors except explosion proof
Adjustable pitch V-belt drives
Two belts furnished on 5 HP and above
Ventilated motor compartment with motor out of airstream
Non-overloading, backwardly inclined wheel
Isolated, suspended motor wheel-drive assemble
Spark resistant construction through size 24
Polished CRS fan shaft with rust inhibitive coating
Pillow Block Bearing L50 = 200,000 hrs

Options

cULus Listed
Aluminum
Mill finish
Standard construction
Galvanized bird screen
Standard curb cap
Standard disconnect

C/W MOTORIZED BACK DRAFT
DAMPER 10" X 10" SIZE
120VOLT

ROOF CURB 18" HIGH



The Carnes Company certifies that the Models VEDK and VEBK shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.