

SHOP DRAWING REVIEW

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<input type="checkbox"/>

NOT REVIEWED
REVIEWED
REVIEWED AS NOTED
REVISE AND RESUBMIT

This review by Hilditch Architect Inc. is for the sole purpose of ascertaining conformance with the general design concept features only, and does not in any way constitute review of the design of engineering elements which form part of the Contract Documents prepared by others. This review shall not mean that Hilditch Architect Inc. approves the design detail 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 his responsibility for meeting all requirements 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 trades.

Hilditch Architect Inc.

By: Sasha Stairs

Project No: 1809

Date Rec'd:

Date Rev'd: 2024.11.20

GC/CM: 2024.11.14

Consultant: 2024.11.19

HAI; reviewed for Arch.only; 27 pages total:

1. GC responsible to verify location, interference, and requirements for installation of grilles, diffusers, and louvres.
2. Penetrations through building envelope to be weather tight seal. Provide continuous caulking and backing rod around louvre perimeter.
3. Coordinate framing and anchorage for louvre with other parts of the Work. Install louvres in accordance with manufacturer's instructions. Securely anchor into opening.
4. Provide aluminum, insulated blank-off panels for any inactive portions of exterior wall louvres.
5. Anchors and fasteners to be stainless steel.
6. Apply isolation coating to separate dissimilar metals, and metals and masonry or concrete unless neoprene washers are shown.
7. Louvre to be set flush with exterior brick face.
9. Exterior grille / Louvre finish to be 'Duranar XL' by PPG in accordance with AAMA 2605. Colour to be selected by Consultant - provide samples of the following for review:
 - i. Smoke Gray G10
 - ii. Light Gray G9
 - iii. Peppercorn G8
 - iv. Pewter XL M2
10. Interior grille colour to be white, typical.
11. Clarification: Louvre type 'E' noted on Block B mechanical drawings should read type 'D'

Submittal No. 08

Grills and Diffusers


Project Name:
Neshama Hospice

Owner:
Neshama

Prime Consultant:
Hilditch Architect Inc

General Contractor: Renokrew

RK: Mechanical contractor to coordinate with framers for size and location.

SHOP DRAWING <hr/> SUBMITTAL REVIEW	JOB NAME Neshama Hospice JOB # 24-130 DATE Nov 14, 2024
REVIEWED <input type="checkbox"/> REJECTED <input type="checkbox"/> REVIEW & RESUBMIT <input type="checkbox"/> REVIEW AS NOTED <input type="checkbox"/>	<p>This review is for general conformance of plans and specifications only. Approvals are subject to subcontractors performance within the confines of the contract documents. Review of dimensions will not serve to relieve the subcontractor of contractual responsibility for any deviation from the contract requirements.</p> <p>SPECIFICATION 23 08 10 <input checked="" type="checkbox"/> SHOP DRAWING <input type="checkbox"/> PRODUCT DATA <input type="checkbox"/> DOCUMENTATION <input type="checkbox"/> LETTER</p> <p> RENOKREW TORONTO OTTAWA</p> <p>CHECKED BY: <input type="text"/> REVIEWED BY: JP TOTAL PAGES: 27</p>



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

Submittal 24-256-001

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
NESHAMA HOSPICE	24-256 3 Cadillac Avenue North York, ON M3H 1R9	Oct 31, 2024
TO	FROM	
Taranjeet Singh	PAUL LEDDY	
COMPANY	COMPANY	
1568796 ONTARIO INC. C/A RENOKREW	Consult Mechanical Inc.	
EMAIL	EMAIL	
taranjeet@renokrew.com	paul.l@consultmechanical.com	
ADDRESS	ADDRESS	
43 LEPAGE COURT TORONTO, ON M3J 1Z9	54 Audia Court, Unit 2 Concord, ON L4K 3N5	

Title

EH Price Grilles and Diffusers

Description

Type A - Eh Price Model # 520D - Louver Face Double Deflection Supply
Type A1 - Eh Price Model # ND - Nozzle Supply Diffuser
Type A2 - Eh Price Model # SCD - 24x24 Square Diffuser
Type A3 - Eh Price Model # SCD - 12x12 Square Diffuser
Type A4 - Eh Price Model # LBPH - Heavy Duty Linear Bar Grille
Type B - Eh Price Model # 530D - Return/Exhaust Grille
Type B1 - Eh Price Model # 530D - Return/Exhaust Grille
Type B2 - Eh Price Model # 80 - Narrow Frame T Bar Lay-in
Type C - Eh Price Model # STG 1- Transfer Grille
Type C1 - Eh Price Model # Nailor Model 6IDGD -
Type D - Eh Price Model # JE443 -

Package Items

SPEC	SUBSECTION	ITEM	TYPE
------	------------	------	------



Grilles/Registers/Diffusers Submittals

SustainGlobe Ltd.

THIS DRAWING REVIEWED SOLELY FOR GENERAL CONFORMITY WITH DESIGN CONCEPTS. QUANTITIES, DETAILS, DIMENSIONS AND DESIGNS INHERENT IN THE SHOP DRAWINGS ARE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DATA WITH FIELD DIMENSIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGN OF MANUFACTURED ITEMS, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION AND INSTALLATION OF EQUIPMENT.

DATE RECEIVED:

November 14, 2024

☒ MECHANICAL

☐ ELECTRICAL

☐ OTHERS

THIS DRAWING IS:

☐ REVIEWED

☒ REVIEWED AS NOTED

☐ REVIEWED AND
TO BE RESUBMIT

BY: TL

DATE: November 19, 2024

PROJ. NO.: 18031

Job Name: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK

Job Location: NORTH YORK

Customer: CONSULT MECHANICAL

Date Printed: 10/30/2024

Spec Section: 15 - HVAC

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

SustainGlobe:

1. The quantity and dimensions of the diffusers and grilles is responsible by contractor. The quantity and dimensions of the diffusers and grilles is not reviewed.
2. Finishing of product to be confirmed by architect.



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

SustainGlobe:
Type 'A' diffuser
shall be
completed with
opposed blade
damper

SustainGlobe:
Type 'B' grilles
shall be
completed with
opposed blade
damper.

#	Qty	Model	Tag	Unit Sz.	Inlet Sz.	Border	Pattern	Face Sz.	Damper	Accessories
1	13	520D	A	40.000, 6.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
2	3	520D	A	10.000, 6.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
3	4	520D	A	6.000, 4.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
4	1	520D	A	14.000, 12.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
5	1	520D	A	12.000, 12.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
6	5	ND	A1	6		SM		6	VCAD	
SM - Surface Mount Frame(Wall or Ceiling) VCAD - Volume Control Aperture Damper										
7	46	SCD	A2	10	10	31		24, 24	VCR7	3C, RC
31 - 15/16" T-Bar Lay-In and Surface Mount Application VCR7 - Radial Opposed Blade Damper - Inlet Sizes 6"-15" 3C - 3 Cones (Default) RC - Removable Core										
8	13	SCD	A2	8	8	31		24, 24	VCR7	3C, RC
31 - 15/16" T-Bar Lay-In and Surface Mount Application VCR7 - Radial Opposed Blade Damper - Inlet Sizes 6"-15" 3C - 3 Cones (Default) RC - Removable Core										
9	5	SCD	A2	6	6	31		24, 24	VCR7	3C, RC
31 - 15/16" T-Bar Lay-In and Surface Mount Application VCR7 - Radial Opposed Blade Damper - Inlet Sizes 6"-15" 3C - 3 Cones (Default) RC - Removable Core										
10	64	SPF	FR A2	24, 24						MC
MC - Mounting Clips (Mill Finish)										
11	4	SCD	A3	5	5	31		12, 12	VCR8E	3C, RC
31 - 15/16" T-Bar Lay-In and Surface Mount Application VCR8E - Full Flow Damper Diffuser Mounted - Inlet Sizes 4"-15" 3C - 3 Cones (Default) RC - Removable										
12	4	SCD	A3	4	4	31		12, 12	VCR8E	3C, RC
31 - 15/16" T-Bar Lay-In and Surface Mount Application VCR8E - Full Flow Damper Diffuser Mounted - Inlet Sizes 4"-15" 3C - 3 Cones (Default) RC - Removable										
13	8	SPF	FR A3	12, 12						MC
MC - Mounting Clips (Mill Finish)										
14	1	LBPH	A4	12.000, 8.000		1000	16A		3	
1000 - 1" (25) Border 16A - 15 Degree Deflection - 1/8" Bars - 1/4" On Center Spacing 3 - Opposed Blade Damper Steel Construction										
15	5	530D	B	14.000, 14.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
16	1	530D	B	18.000, 14.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
17	5	530D	B	14.000, 12.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
18	10	530D	B	12.000, 12.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
19	6	530D	B	10.000, 10.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
20	3	530D	B	12.000, 6.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
21	3	530D	B	8.000, 6.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
22	6	530D	B	16.000, 16.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
23	1	530D	B	6.000, 6.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
24	6	530	B1	12.000, 12.000		F	L			SW
F - 1 1/4" (32) Flat Frame L - Front Louver Blades parallel to Long Dimension SW - Sidewall										
25	22	80	B2	23.000, 9.000		NF				LI
NF - 3/4" (19) Narrow Flat Frame LI - T-Bar Lay-In										
26	13	STG1	C	14.000, 14.000		BF				
BF - 1 1/4" Flat Border Both Sides w/Countersunk Screw										
27	8	STG1	C	10.000, 10.000		BF				
BF - 1 1/4" Flat Border Both Sides w/Countersunk Screw										



Performance Notes

Date Printed: 10/30/2024

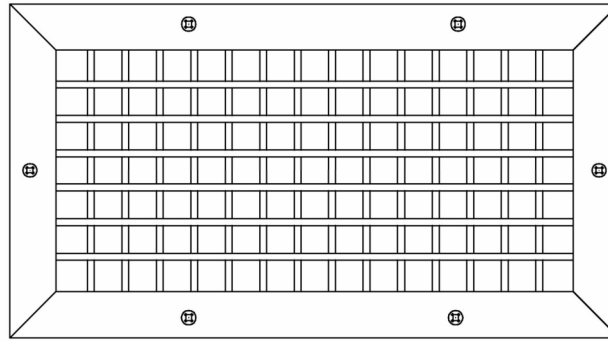
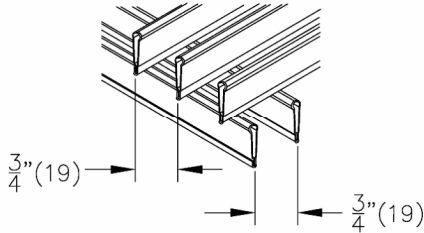
1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
2. Throw data is based on the temperature differential (Dt), in degrees Fahrenheit (°F), between supply air temperature and room temperature.
3. Throw values, in feet (ft), are 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.).

The list provided above is for reference purpose only. Contractor to review all items,...make any notes and / or changes to this list and e-mail it back to me when ready to release. Once I receive this list back from you,...I will release into production EXACTLY as detailed and in IMPERIAL unless you note otherwise.

520D Louvered Steel Supply Register – 3/4" Blade Spacing, Double Deflection

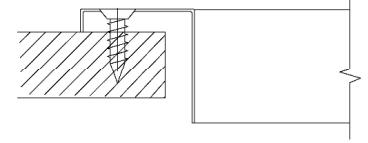
Core Style:

Double Deflection



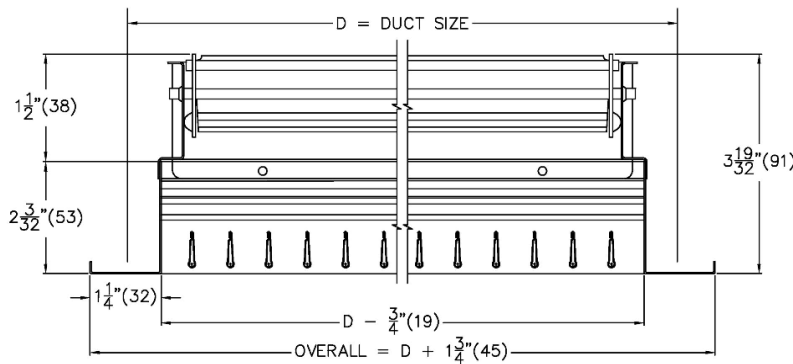
Fastening:

A: Countersunk Screwholes with Screw



Border: F

1 1/4" (32) Flat Frame



Material:

- Steel

Finish:

- B12 - Standard White

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)
- Standard Construction with a Mullion: A mullion is provided when nominal size grille dimension exceed 24" (610). For uneven nominal size grille dimensions. e.g 45x6, the mullion is positioned 1/2" (12) from the center of the grille

PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK

SUBMITTAL NO: 258306

SUBMITTAL DATE: 10/30/2024

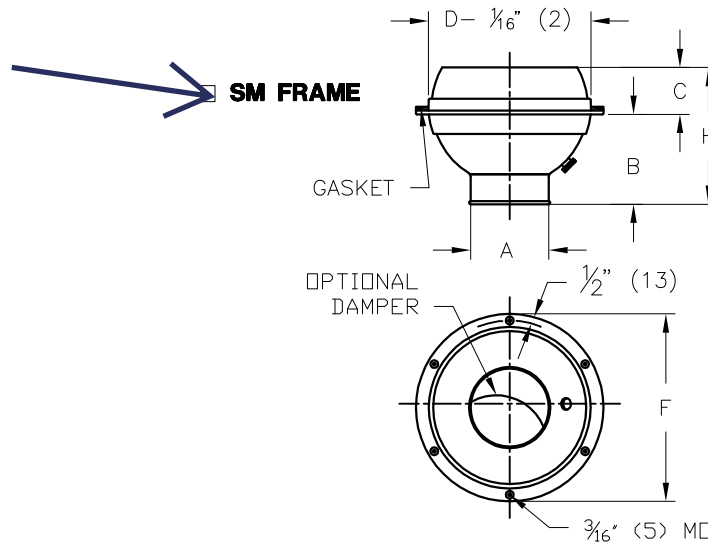
ENGINEER:

CUSTOMER: CONSULT MECHANICAL

DESCRIPTION: Louvered Steel Dbl Deflec Reg W/Damp, 3/4" Spacing

520D//1/40.000,10.000,6.000,14.000,12.000/6.000,4.000,12.000/F/L////A/SW/B12

ND - AIR NOZZLE DIFFUSERS



SIZE	A	B	C	D	F	H	Mtg Holes
* 3	1 ⁵ / ₈	1 ³ / ₄	1 ⁵ / ₁₆	3	5	2 ¹ / ₁₆	3
4	2	2 ⁹ / ₁₆	³ / ₄	4	6	3 ⁵ / ₁₆	3
6	3	3 ³ / ₁₆	1 ⁷ / ₁₆	6	8	4 ¹ / ₂	4
8	4 ³ / ₈	4 ¹ / ₄	1 ³ / ₄	8	10	6	4
10	5 ³ / ₄	5 ¹ / ₂	2 ⁷ / ₈	10	12	8 ³ / ₈	6
12	7 ³ / ₈	6	3	12	14	9	6
14	8 ⁵ / ₈	7 ¹ / ₈	4 ¹ / ₈	14	16	11 ¹ / ₄	6
16	9 ³ / ₄	8 ¹ / ₄	4 ³ / ₄	16	18	13	6
18	10 ¹ / ₂	9 ¹ / ₂	4 ¹ / ₄	18	20	13 ³ / ₄	8
20	12 ³ / ₈	10 ⁷ / ₈	4 ⁷ / ₈	20	22	15 ³ / ₄	8

* DAMPER NOT AVAILABLE ON 3" UNIT

MATERIAL :

- ALUMINUM CONSTRUCTION

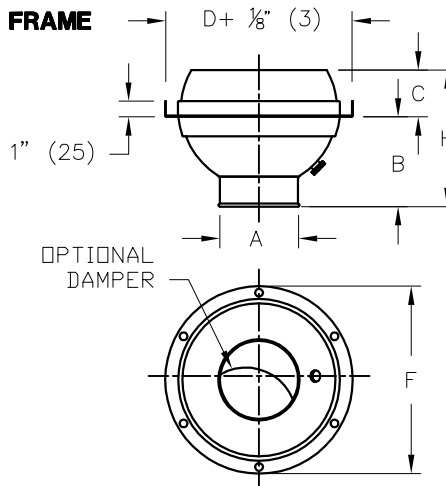
OPTION:

- ☒ SM FRAME - WALL / CEILING MOUNT
- ☐ RD FRAME - EXPOSED ROUND DUCT
- ☐ RR FRAME - ROUND REDUCER

FINISH :

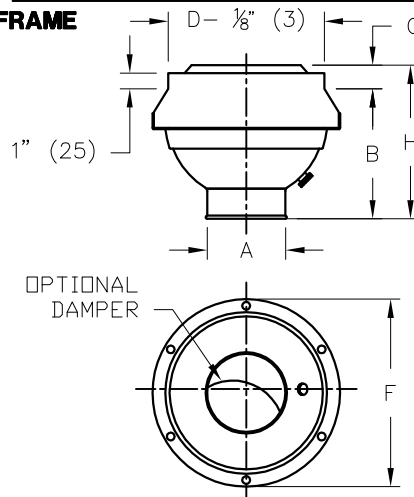
- B12 WHITE (STANDARD)
- (OPTIONAL FINISHES AVAILABLE)

☐ **RD FRAME**



SIZE	A	B	C	D	F	H
4	2	2 ⁹ / ₁₆	³ / ₄	6	6	3 ⁵ / ₁₆
6	3	3 ³ / ₁₆	1 ⁷ / ₁₆	8	8	4 ¹ / ₂
8	4 ³ / ₈	4 ¹ / ₄	1 ³ / ₄	10	10	6
10	5 ³ / ₄	5 ¹ / ₂	2 ⁷ / ₈	12	12	8 ³ / ₈
12	7 ³ / ₈	6	3	14	14	9
14	8 ⁵ / ₈	7 ¹ / ₈	4 ¹ / ₈	16	16	11 ¹ / ₄
16	9 ³ / ₄	8 ¹ / ₄	4 ³ / ₄	18	18	13
18	10 ¹ / ₂	9 ¹ / ₂	4 ¹ / ₄	20	20	13 ³ / ₄
20	12 ³ / ₈	10 ⁷ / ₈	4 ⁷ / ₈	22	22	15 ³ / ₄

☐ **RR FRAME**



SIZE	A	B	C	D	F	H
6	3	5 ⁹ / ₁₆	1	6	8	6 ⁹ / ₁₆
8	4 ³ / ₈	6 ³ / ₄	1	8	10	7 ³ / ₄
10	5 ³ / ₄	8	1	10	12	9
12	7 ³ / ₈	8 ¹ / ₂	1	12	14	9 ¹ / ₂
14	8 ⁵ / ₈	9 ⁵ / ₈	1 ⁵ / ₈	14	16	11 ¹ / ₄
16	9 ³ / ₄	10 ³ / ₄	2 ¹ / ₄	16	18	13
18	10 ¹ / ₂	12	1 ³ / ₄	18	20	13 ³ / ₄
20	12 ³ / ₈	13 ³ / ₈	2 ³ / ₈	20	22	15 ³ / ₄

NOTES:

- DIRECTIONAL AIR PATTERN CONTROL
- ± 35° DEFLECTION
- 360° ROTATION
- AVAILABLE SIZES : MIN. 6", MAX. 20" 2" INCREMENTS
- OPTIONAL APERTURE STYLE DAMPER
- 3 MOUNTING FRAMES
- FACTORY TOLERANCE ± 1/16" (2)

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT: NESHAMA HOSPICE, 3 CADILLAC AVE, NORTH YORK

ENGINEER:

CUSTOMER: CONSULT MECHANICAL

SUBMITTAL DATE: 10/30/2024

SPEC. SYMBOL: A1

PRICE®

MQ

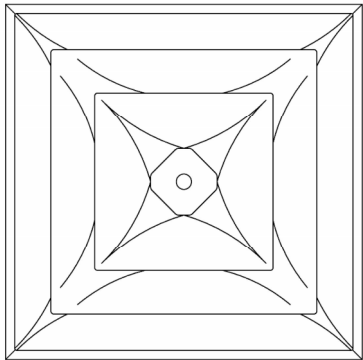
255292

2013/12/10

ND SERIES

AIR NOZZLE DIFFUSERS

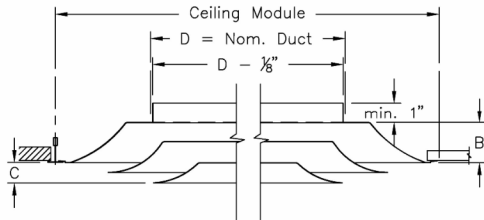
SCD Square Cone Diffuser



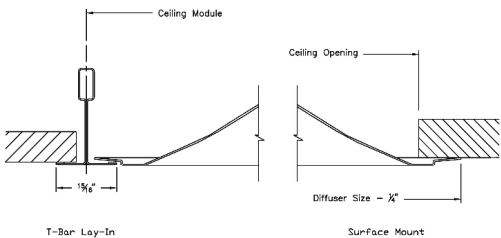
Duct Diameter:	10"
Backpan Height (B):	2 1/2"
Cone Depth (C):	1 1/16"
Ceiling Module:	24" x24"
Ceiling Opening: (Surface Mount)	22" x 22"
No. of Cones:	3 Cones

Border: 31

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

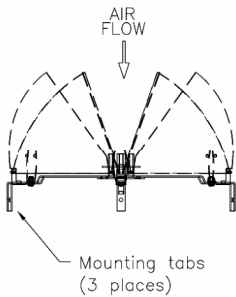


Frame Detail:



Damper: VCR7

Radial Opposed Blade Damper



PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK	SUBMITTAL NO: 258274-F	SUBMITTAL DATE: 10/30/2024
ENGINEER:	CUSTOMER: CONSULT MECHANICAL	
DESCRIPTION: Square Cone Diffuser		
SCD-1-2//1/10//24/31//3C/RC//VCR7///B12		

Notes:

- 360° radial horizontal air pattern
- Removable core with locking clips
- Tool-free cone installation/removal
- Dampers ship loose
- 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

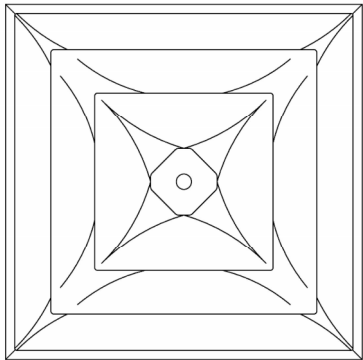
Material:

- Diffuser: Steel
- Damper: Coated Steel

Finish:

- B12 - Standard White

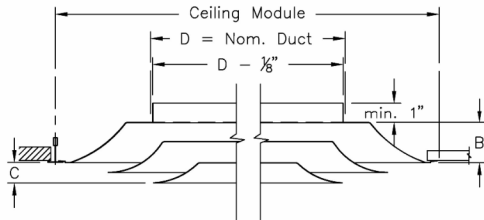
SCD Square Cone Diffuser



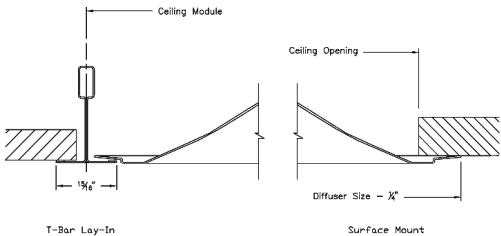
Duct Diameter:	8"
Backpan Height (B):	2 1/2"
Cone Depth (C):	1 1/16"
Ceiling Module:	24" x24"
Ceiling Opening: (Surface Mount)	22" x 22"
No. of Cones:	3 Cones

Border: 31

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

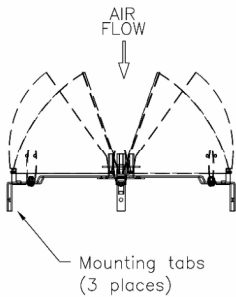


Frame Detail:



Damper: VCR7

Radial Opposed Blade Damper



PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK	SUBMITTAL NO: 258274-F	SUBMITTAL DATE: 10/30/2024
ENGINEER:	CUSTOMER: CONSULT MECHANICAL	
DESCRIPTION: Square Cone Diffuser		
SCD-1-2//1/8//24/24/31//3C/RC/VCR7///B12		

Notes:

- 360° radial horizontal air pattern
- Removable core with locking clips
- Tool-free cone installation/removal
- Dampers ship loose
- 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

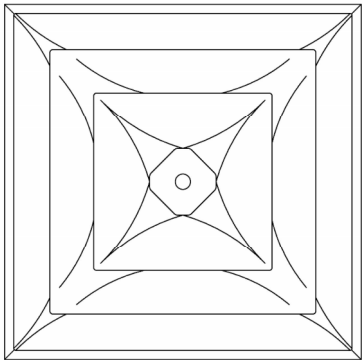
Material:

- Diffuser: Steel
- Damper: Coated Steel

Finish:

- B12 - Standard White

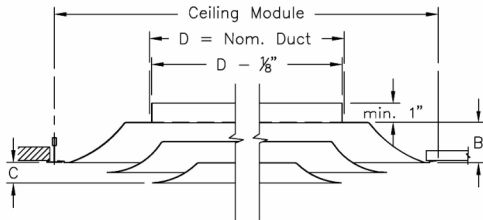
SCD Square Cone Diffuser



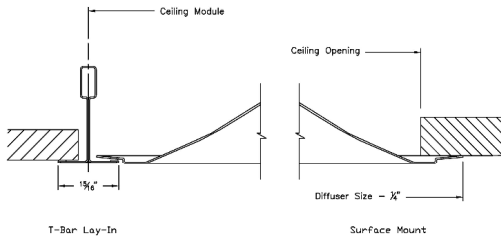
Duct Diameter:	6"
Backpan Height (B):	2 1/2"
Cone Depth (C):	1 1/16"
Ceiling Module:	24" x24"
Ceiling Opening: (Surface Mount)	22" x 22"
No. of Cones:	3 Cones

Border: 31

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

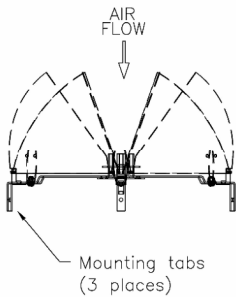


Frame Detail:



Damper: VCR7

Radial Opposed Blade Damper



PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK	SUBMITTAL NO: 258274-F	SUBMITTAL DATE: 10/30/2024
ENGINEER:	CUSTOMER: CONSULT MECHANICAL	
DESCRIPTION: Square Cone Diffuser		
SCD-1-2//1/6//24/24/31//3C/RC/VCR7///B12		

Notes:

- 360° radial horizontal air pattern
- Removable core with locking clips
- Tool-free cone installation/removal
- Dampers ship loose
- 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

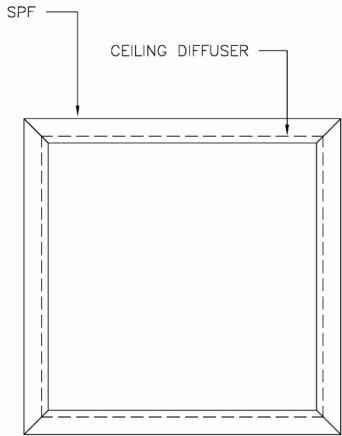
Material:

- Diffuser: Steel
- Damper: Coated Steel

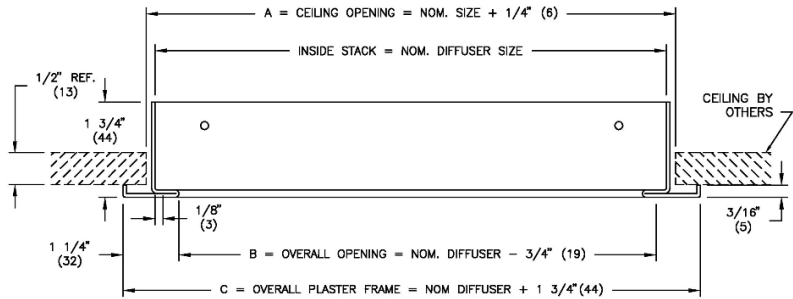
Finish:

- B12 - Standard White

SPF Steel Plaster Frame

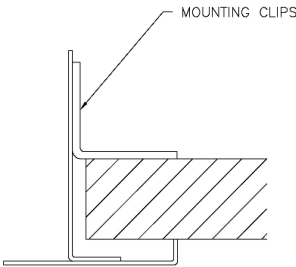


Nom. Diffuser Size	A	B	C
24 x 24	24 1/4 x 24 1/4	23 1/4 x 23 1/4	25 3/4 x 25 3/4



Options:

- Mounting Clips



Notes:

- Factory Tolerance $\pm 1/32"$ (1)

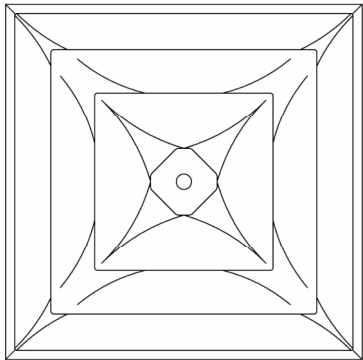
Material:

- Heavy Gauge Steel

Finish:

- B12: Standard White

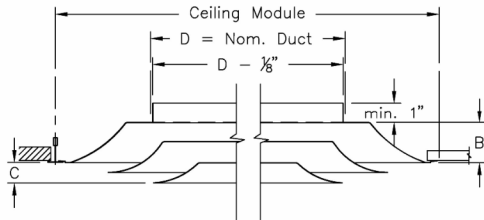
SCD Square Cone Diffuser



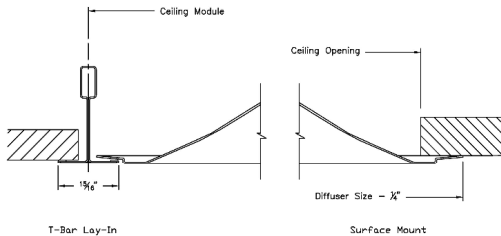
Duct Diameter:	5"
Backpan Height (B):	1 1/8"
Cone Depth (C):	1 1/16"
Ceiling Module:	12" x12"
Ceiling Opening: (Surface Mount)	10 1/2" x 10 1/2"
No. of Cones:	3 Cones

Border: 31

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

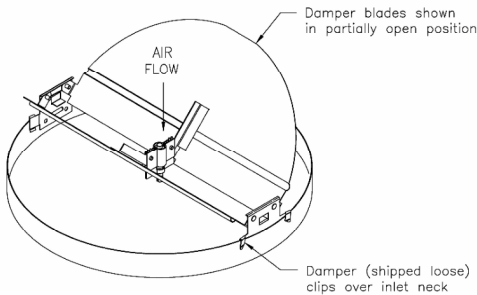


Frame Detail:



Damper: VCR8E

Full Flow Damper, Diffuser Inlet Neck Mount



Notes:

- 360° radial horizontal air pattern
- Removable core with locking clips
- Tool-free cone installation/removal
- Dampers ship loose
- 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

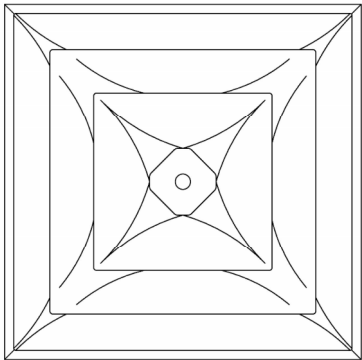
Material:

- Diffuser: Steel
- Damper: Coated Steel

Finish:

- B12 - Standard White

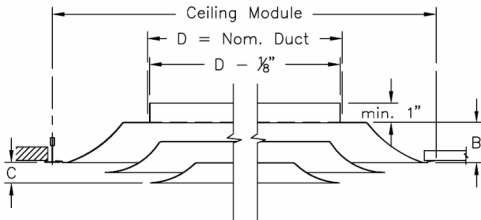
SCD Square Cone Diffuser



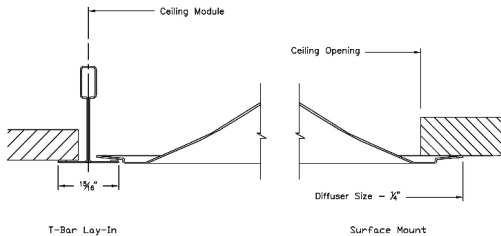
Duct Diameter:	4"
Backpan Height (B):	1 1/8"
Cone Depth (C):	1 1/16"
Ceiling Module:	12" x12"
Ceiling Opening: (Surface Mount)	10 1/2" x 10 1/2"
No. of Cones:	3 Cones

Border: 31

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

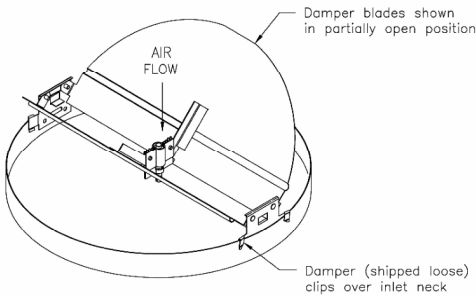


Frame Detail:



Damper: VCR8E

Full Flow Damper, Diffuser Inlet Neck Mount



Notes:

- 360° radial horizontal air pattern
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- Integral hanger loops
- Factory tolerance +/- 1/32"



Scan for link to additional product information

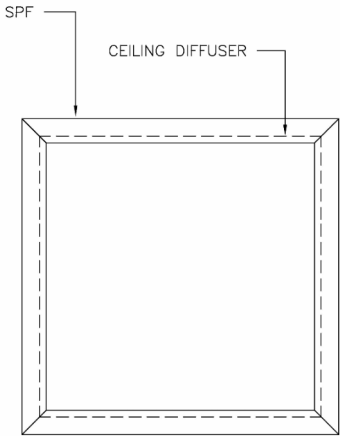
Material:

- Diffuser: Steel
- Damper: Coated Steel

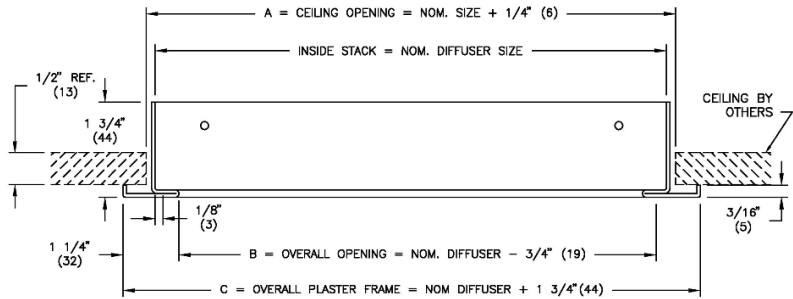
Finish:

- B12 - Standard White

SPF Steel Plaster Frame

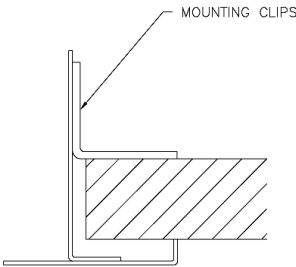


Nom. Diffuser Size	A	B	C
12 x 12	12 1/4 x 12 1/4	11 1/4 x 11 1/4	13 3/4 x 13 3/4



Options:

- Mounting Clips



Notes:

- Factory Tolerance $\pm 1/32"$ (1)

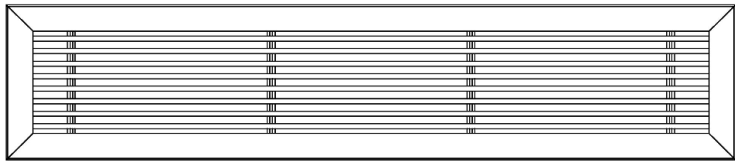
Material:

- Heavy Gauge Steel

Finish:

- B12: Standard White

LBPH Linear Bar Grille - Heavy Duty



End Conditions:

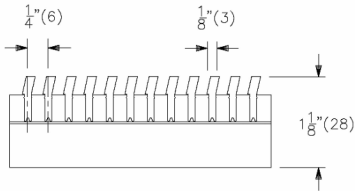
XX Both Mitred Ends

Finish:

B12 Standard White

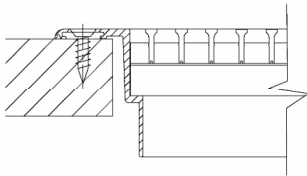
Core

16A 15° Deflection - 1/8" Bars - 1/4" On Center Spacing



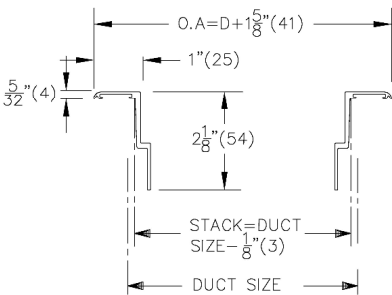
Fastening

A Countersunk Screw Holes



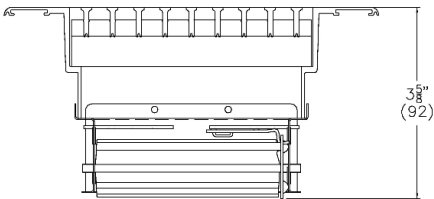
Border

1000 1" (25) Border



Accessories Included

VCS3



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

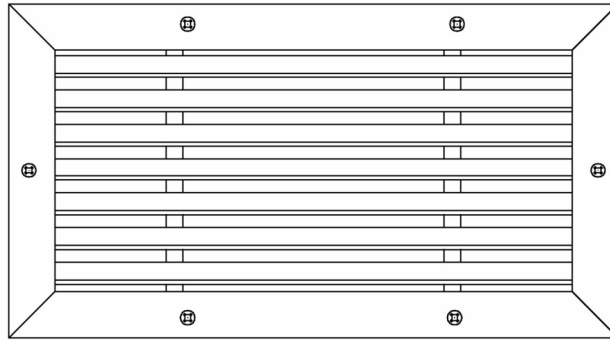
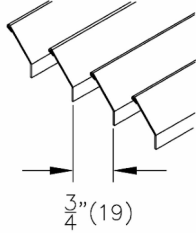
Notes

- For floor 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
 - Maximum length for one piece construction = 72"
 - Removeable Core held in place with clips
- Extruded aluminum construction
 - Sections can be joined for continuous appearance
 - Screw mounting holes per factory standard
 - Units wider than 12" are not recommended for floor applications. If used, additional structural support must be designed and installed by others.
 - Units wider than 24" are supplied in multiple sections with mounting channel(s)

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

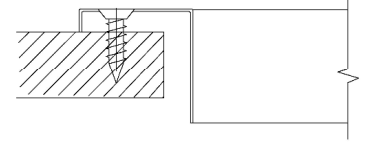
Core Style:

Single Deflection



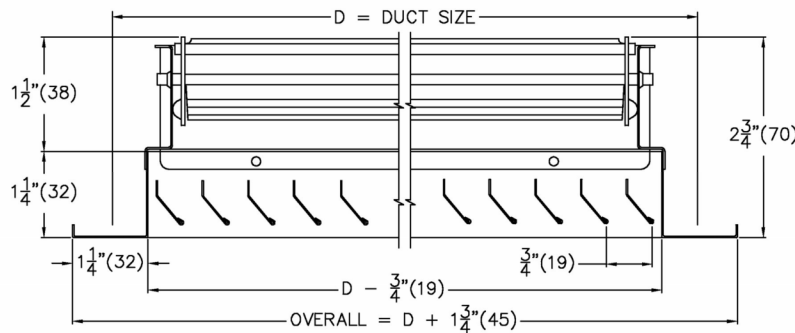
Fastening:

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
- VCS3 opposed blade damper, coated steel
- Factory tolerance $\pm 1/32$ " (1)

PROJECT: NESHAMA HOSPICE, 3 CADILLAC AVE, NORTH YORK **SUBMITTAL NO:** 258306 **SUBMITTAL DATE:** 10/30/2024

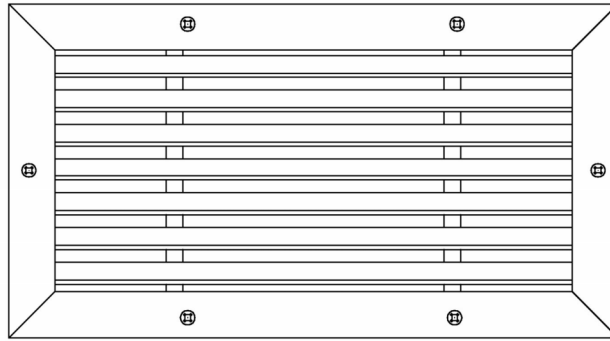
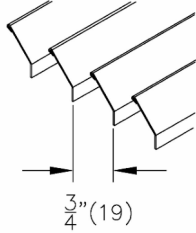
ENGINEER: **CUSTOMER:** CONSULT MECHANICAL

DESCRIPTION: Steel Return Reg W/Damp, 45 Deg Blades, 3/4" Spcng
530D//11/14.000,18.000,12.000,10.000,8.000,16.000,6.000/14.000,12.000,10.000,6.000,16.000/F/L////A//SW/B12

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

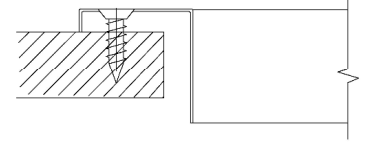
Core Style:

Single Deflection



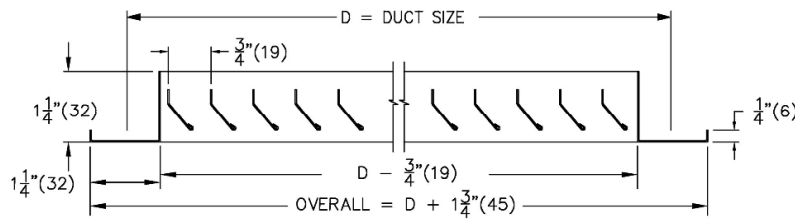
Fastening:

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: NESHAMA HOSPICE, 3 CADILLAC AVE, NORTH YORK

SUBMITTAL NO: 258306

SUBMITTAL DATE: 10/30/2024

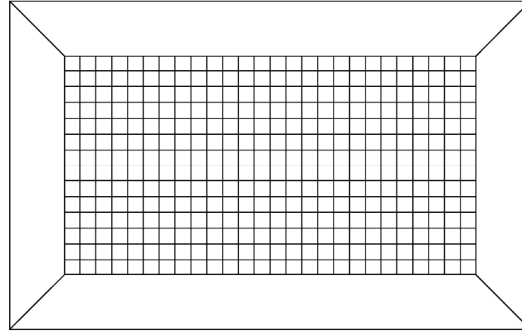
ENGINEER:

CUSTOMER: CONSULT MECHANICAL

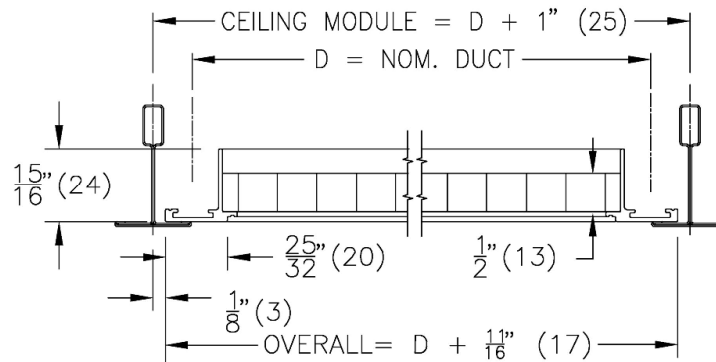
DESCRIPTION: Steel Return Grille, 45 Deg Blades, 3/4" Spacing

530//I/12.000/12.000/F/L///A//SW/B12

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:

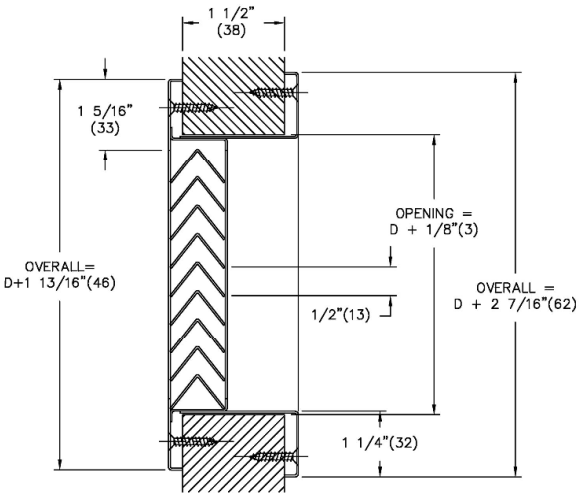
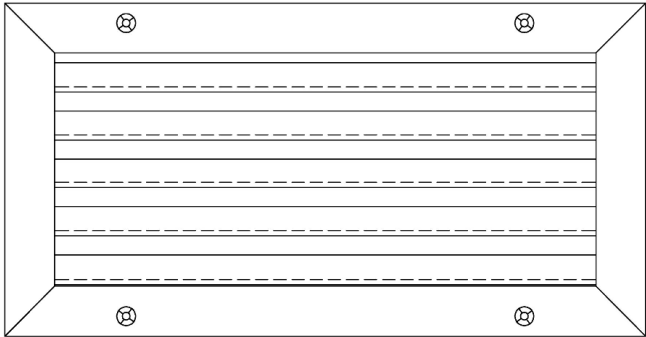
- 1/2" x 1/2" x 1/2" aluminum grid core
- Maximum duct size without mullion = 48" x 24" (1219mm x 610mm)
- Maximum duct size with mullion = 96" x 48" (2438mm x 1219mm)
- Units with mullion supplied in one-piece frame construction
- Units over 96" x 48" (2438mm x 1219mm) supplied in sections c/w Duct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

PROJECT: NESHAM HOSPICE, 3 CADILLAC AVE, NORTH YORK
ENGINEER:
DESCRIPTION: Egg Crate Grille, 1/2" X 1/2" X 1/2"
80//V23.000/9.000//LI/NF/////24/10//0/////B12

SUBMITTAL NO: 259683-E
CUSTOMER: CONSULT MECHANICAL

SUBMITTAL DATE: 10/30/2024

STG1 Steel Transfer Grille



- Notes:
- Sightproof core
 - Blades on 1/2" (13) centers
 - Border BF: Flat border on both sides with countersunk screwhole fastening
 - Factory tolerance ± 1/32" (1)

- Material:
- Heavy Duty Steel Construction

- Finish:
- ~~B15. Metallic Gray~~
 - ****B12 White finish****

PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK	SUBMITTAL NO: 261381	SUBMITTAL DATE: 10/30/2024
ENGINEER:	CUSTOMER: CONSULT MECHANICAL	
DESCRIPTION: Steel Tranfer/Door Grille - Sightproof		
STG1//I/14.000,10.000/14.000,10.000/BF/////B15		



Submittals

Job Name: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK

Job Location: NORTH YORK

Customer: CONSULT MECHANICAL

Date Printed: 10/30/2024

Spec Section: 15 - HVAC

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



All-In-One
Detailed Submittal Schedule

#	Qty	Model	Tag	Louver Width (in)	Louver Height (in)	Opening Width (in)	Opening Height (in)	Construction	Appearance	Mtg Type	Hange	Screen/Panel Type	Screen/Panel Finish	Louver Finish	Louver Color
28	1	JE443	D	59.50	11.50	60.00	12.00	W	STD	B	150	AE	MILL	DR	MPC1
STD - Standard Appearance with Visible Mullions B - Flange Mounting 150 - 1 1/2" Flange AE - Expanded Aluminum Bird Screen No Frame MILL - Non Treated from the Mill - Unpainted DR - Duranar to Match Sample MPC1 - Matching Paint Chip 1															
29	2	JE443	D	35.50	19.50	36.00	20.00	W	STD	B	150	AE	MILL	DR	MPC1
STD - Standard Appearance with Visible Mullions B - Flange Mounting 150 - 1 1/2" Flange AE - Expanded Aluminum Bird Screen No Frame MILL - Non Treated from the Mill - Unpainted DR - Duranar to Match Sample MPC1 - Matching Paint Chip 1															
30	5	JE443	D	11.50	11.50	12.00	12.00	W	STD	B	150	AE	MILL	DR	MPC1
STD - Standard Appearance with Visible Mullions B - Flange Mounting 150 - 1 1/2" Flange AE - Expanded Aluminum Bird Screen No Frame MILL - Non Treated from the Mill - Unpainted DR - Duranar to Match Sample MPC1 - Matching Paint Chip 1															

The list above is provided for reference purpose only. Contractor to confirm quantity, tag, size, frame style, finish of all louvers prior to release.

STANDARD CONSTRUCTION

CONSTRUCTION

- ALL WELDED

FRAME

- 4.00in x .081in [102mm x 2.1mm] EXTRUDED ALUMINUM (6063-T5) CHANNEL FRAME

BLADES

- J STYLE BLADES, .081in[2.1mm] EXTRUDED ALUMINUM (6063-T5) 43° BLADE ANGLE, 5.00in[127mm] BLADE SPACING

FINISH

- MILL

MINIMUM SECTION SIZE

- 9.00in W x 10.50in H [229mm x 267mm]

MAXIMUM SECTION SIZE

- ONE PIECE CONSTRUCTION 72in W x 120in H [1829mm x 3048mm] OR 120in W x 72in H [3048mm x 1829mm]
- LARGER LOUVERS WILL REQUIRE FIELD ASSEMBLY OF MULTIPLE SECTIONS BY OTHERS
- LARGER LOUVERS MAY REQUIRE STRUCTURAL SUPPORT BY OTHERS
- MAXIMUM SECTION SIZE MAY VARY FOR ANODIZED FINISH



AVAILABLE OPTIONS

- ☐ FLANGED FRAME

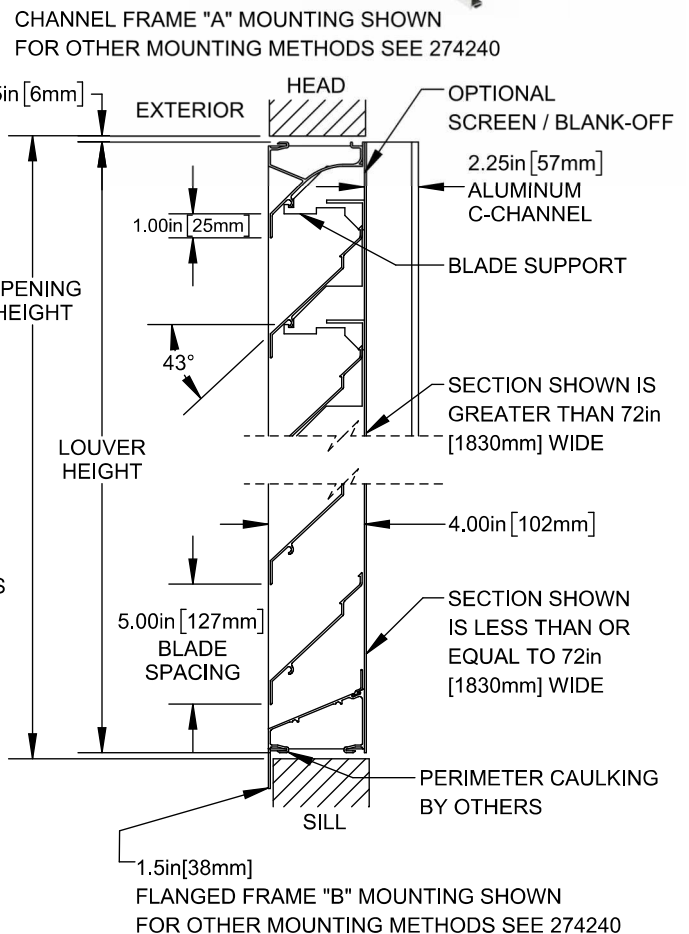
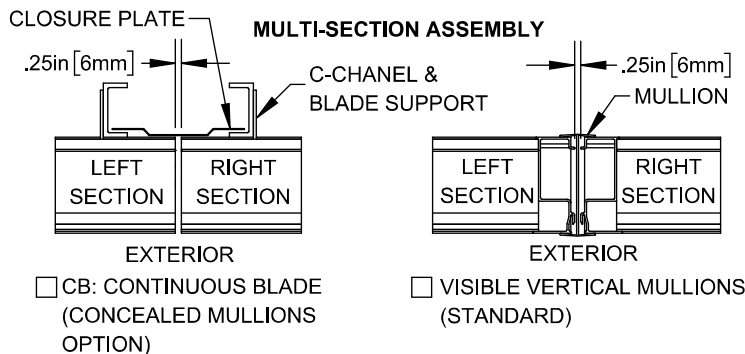
FINISHES

- ☐ PRIME COAT
- ☐ DURACRON (BAKED ENAMEL) [1]
- ☒ DURANAR (70% PVDF) [1]
- ☐ DURANAR XL (70% PVDF WITH CLEAR TOP COAT) [1]
- ☐ CLEAR ANODIZED
- ☐ COLOUR ANODIZED [1]

ACCESSORIES

- ☒ BIRD SCREEN
- ☐ INSECT SCREEN
- ☐ EXTENDED SILL (LOOSE)
- ☐ BLANK-OFF PANELS (INSULATED OR NON-INSULATED)

[1] REFER TO PRICE COLOUR GUIDES FOR A LIST OF AVAILABLE STANDARD COLOURS: [PAINT](#) & [ANODIZED](#)
CONSULT PRICE LOUVERS DEPT. FOR OTHER SPECIAL REQUIREMENTS



PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK		<div>price®</div>	
ENGINEER:		GA	JE443 4" (102) DEEP, 43° BLADE EXTRUDED NON-DRAINABLE LOUVER
CUSTOMER: CONSULT MECHANICAL		237944	
SUBMITTAL DATE: 10/30/2024	SPEC. SYMBOL: D	04/08/2022	