

SHOP DRAWING TRANSMITTAL



Project: Turnbull School Music Room Addition Project No: 1705
Date: October 18, 2018
To: TALCO Building Innovations Ltd.
Attn: Farah Bano (fbano@tal-co.com)
From: Reinhard Vogel

- | | |
|--|--|
| <input type="checkbox"/> Approval | <input type="checkbox"/> Courier |
| <input checked="" type="checkbox"/> Distribution | <input type="checkbox"/> By Hand |
| <input type="checkbox"/> Information and Use | <input type="checkbox"/> Fax |
| <input type="checkbox"/> Review and Comment | <input type="checkbox"/> To Be Picked Up |
| <input type="checkbox"/> Other | <input checked="" type="checkbox"/> e-mail |

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OAA, FRAIC, Associate AIA
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OAA, MRAIC, Associate AIA
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Senior Arch. Tech.

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Senior Arch. Tech.

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hobinarc.com

Shop Drawing Submittal:

Division 23 – RTU, Grilles and Diffusers

Submitted by:

S&R Mechanical

Drawing Title:

RTU-1 Spec Sheet, Grille & Diffuser Spec Sheets

Revision No.

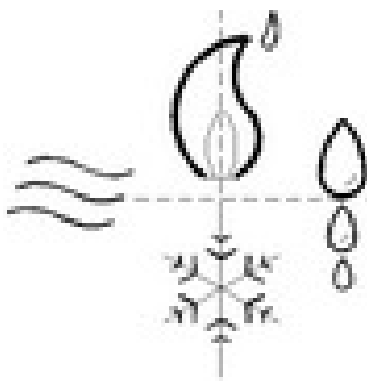
N/A

Dated:

Oct. 11, 2018

Comments:

Reviewed as noted. Note RTU required to be high-efficiency model per mechanical specifications.



BEKOLAY & Associates. Ltd.

Consulting Engineers

October 17, 2018

Architect: **Hobin Architecture Incorporated**
63 Pamila Street, Ottawa

Project: **Turnbull Music Rm Addition**

Att: **R. Vogel**

BAL No.: **2017-**

email: reinhard@hobinarc.com

Mech Shop Drawing Review Comments

1 General:

The documents in the list have been examined for general conformance with the Contract Documents prepared by Bekolay & Associates Ltd. (BAL) for this project. This review may not be extended to any other contract, trade, division or project. Review by BAL does not imply approval or verification of information presented in these drawings and the responsibility for installation and performance, submitting the documents (including dimensional conformance) and co-ordination with other trades, lies solely with the Contractor. All changes, comments and notes by BAL shall be incorporated (at no cost to the Owner) into actual installation when indicated "Reviewed As Follows" or be included in a re-submission (when requested).

2 Shop Drawings: submitted in the attached files

Item	Description	Submitted File	Comments
2.1	Rooftop Unit	2423840-Turnbull RTU.pdf	Reviewed per 3.1
2.2	Grilles & Diffusers	18-980 Turnbull Grilles & Diffusers.pdf	Reviewed
2.3	Sink	22. Sink sdr.pdf	Reviewed per 3.2

3 Additional Notes:

- 3.1 Unit to be high efficiency per specs 18.1
- 3.2 High arch faucet to be submitted to go with the sink

cc: Turnbull RTU & Diffusers.sdr.wpd



Grilles/Registers/Diffusers Submittals

SHOP DRAWING REVIEW

REVIEWED
REVIEWED AS NOTED
REVISE AND RESUBMIT



"This review is for the sole purpose of ascertaining conformance with the general design concept for architectural 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 the Architect approves the detail design inherent in the shop drawings. This responsibility 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 for the work of all trades."

By: Reinhard Vogel Date: 10/18/2018
HOBIN ARCHITECTURE INCORPORATED

REVIEWED

By Farah Bano at 9:09 am, Oct 10, 2018

Job Name: 18-980 Turnbull Elementary School Music Room Addit
Job Location: Ottawa
Customer: Ventilation S.M.
Date Printed: 10/4/2018
Spec Section: 15 - HVAC

Contact: 3236 Hawthorne Road
Ottawa, ON K1G 3W9

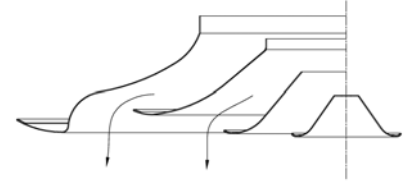


All-In-One
Detailed Submittal Schedule
Grilles/Registers/Diffusers

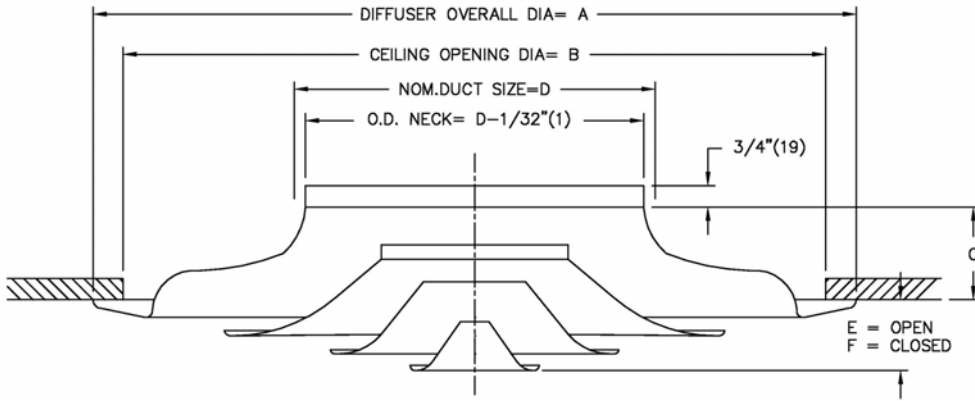
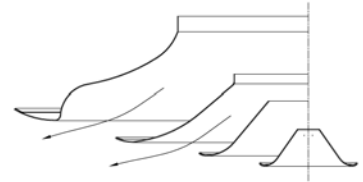
#	Qty	Model	Tag	Unit Sz.	Inlet Sz.	Border	Panel Sz.	Finish	Airflow (CFM)	NC	Accessories
1	4	RCD	A	10	10			B12	0	N/A	SC
Desc: B12 - White - Powder Coat											
2	3	SCDA	B	6		2P	12, 12	B12	0	N/A	3C, RC
Desc: 2P - Snap-in Panel B12 - White - Powder Coat											
3	1	SCDA	B	6		3	12, 12	B12	0	N/A	3C, RC
Desc: 3 - T-Bar Lay-In 1" and 9/16" Flat Tee Application B12 - White - Powder Coat											
4	4	80	C	12.000, 12.000		F		B12	0	N/A	SW
Desc: F - 1 1/4" (32) Flat Frame B12 - White - Powder Coat											
5	1	80	D	24.000, 24.000		F		B12	0	N/A	SW
Desc: F - 1 1/4" (32) Flat Frame B12 - White - Powder Coat											
6	3	80	D	8.000, 8.000		F		B12	0	N/A	SW
Desc: F - 1 1/4" (32) Flat Frame B12 - White - Powder Coat											

RCD Steel Round Cone Diffuser, 3 Position Adjustable

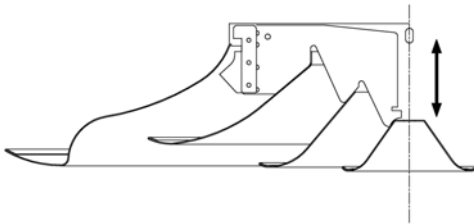
Vertical Airflow



Horizontal Airflow



Detail View:



Accessory:



Notes:

- Horizontal to vertical pattern adjustment, three positions
- Tool free removal of inner cone
- Factory Tolerance: $\pm 1/32"$ (1)

Material:

- Heavy Gauge Spun Steel

Finish:

- B12: White Powder Coat

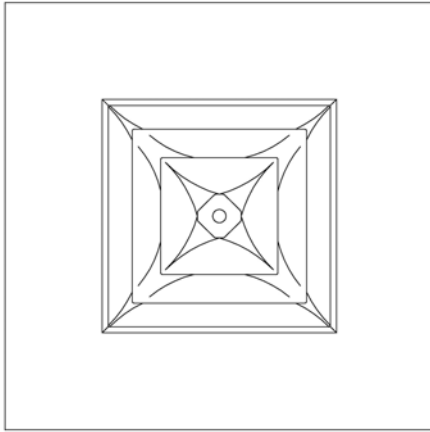
Dimensions- inches						
Inlet Size	A	B	C	D	E	F
10	22 1/2	20	2 5/8	10	2 11/16	1 7/16

PROJECT: 18-980 Turnbull Elementary School Music Room Addit
ENGINEER:
DESCRIPTION: Round Cone Diff-Ceiling W/3 Position Adjstmnt,Stl
 RCD//110/////////B12

SUBMITTAL NO: 260677
CUSTOMER: Ventilation S.M.

SUBMITTAL DATE: 10/4/2018

SCDA Steel Adjustable Square Cone Diffuser

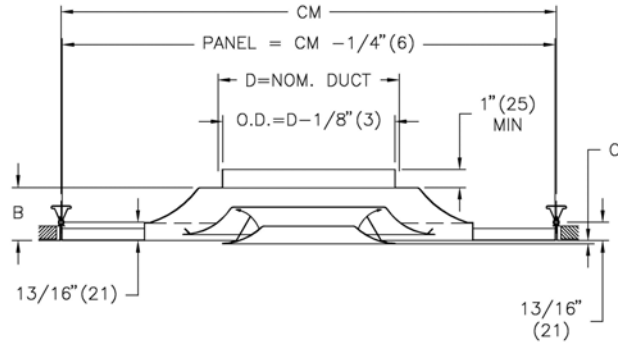


Nom Diffuser Size: 12" X 12"

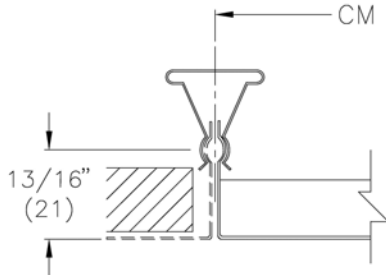
B (Max): 2"

Duct Diameter: 6

C (Max): 5/8"



Border: 2P Snap-In Panel



Notes:

- Removable core with locking clips
- Tool free cone installation and removal

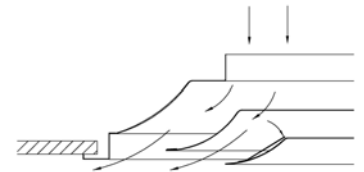
Material:

- Steel Construction

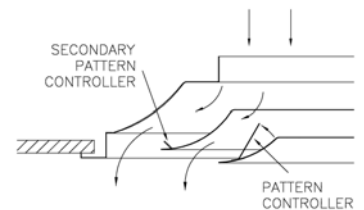
Finish:

- B12: White Powder Coat

Horizontal Airflow Pattern:



Vertical Airflow Pattern:

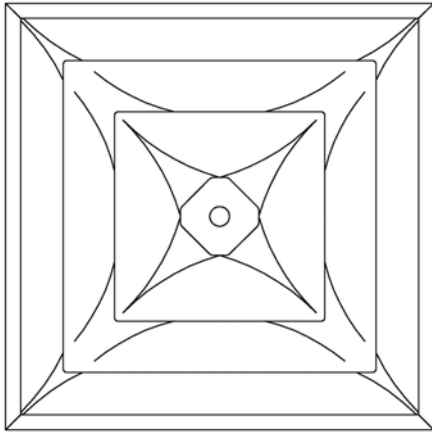


PROJECT: 18-980 Turnbull Elementary School Music Room Addit
ENGINEER:
DESCRIPTION: Adjustable Square Cone Diffuser
SCDA//1/6//12/12//2P/24/24//3C/RC//111111//B12

SUBMITTAL NO: 258307-F
CUSTOMER: Ventilation S.M.

SUBMITTAL DATE: 10/4/2018

SCDA Steel Adjustable Square Cone Diffuser

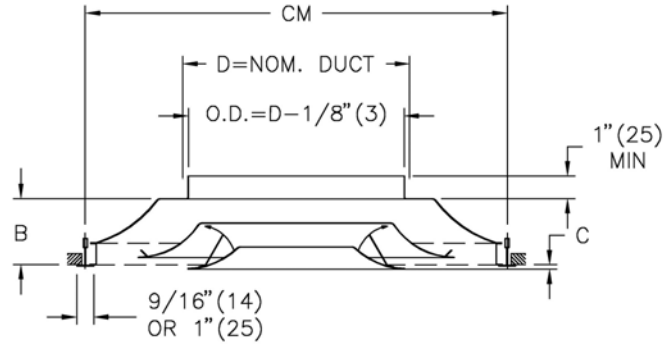


Nom Diffuser Size: 12" X 12"

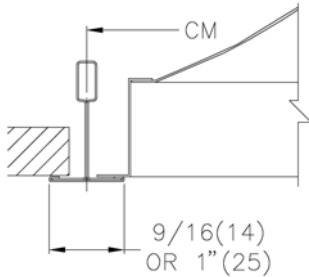
B (Max): 1 3/4"

Duct Diameter: 6

C (Max): 5/8"



Border: 3 T-Bar Lay-In
1" and 9/16" Flat Tee Application



Notes:

- Removable core with locking clips
- Tool free cone installation and removal

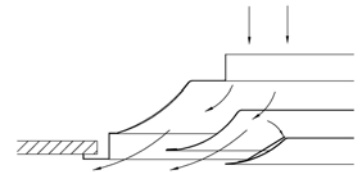
Material:

- Steel Construction

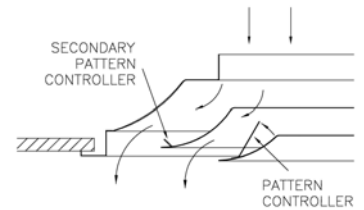
Finish:

- B12: White Powder Coat

Horizontal Airflow Pattern:



Vertical Airflow Pattern:

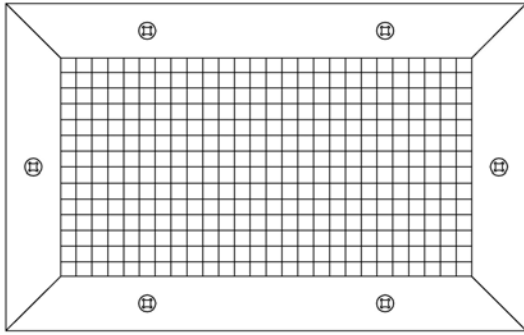


PROJECT: 18-980 Turnbull Elementary School Music Room Addit
ENGINEER:
DESCRIPTION: Adjustable Square Cone Diffuser
SCDA//6//12//12//3//3C//RC//B12

SUBMITTAL NO: 258307-F
CUSTOMER: Ventilation S.M.

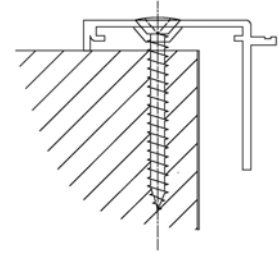
SUBMITTAL DATE: 10/4/2018

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



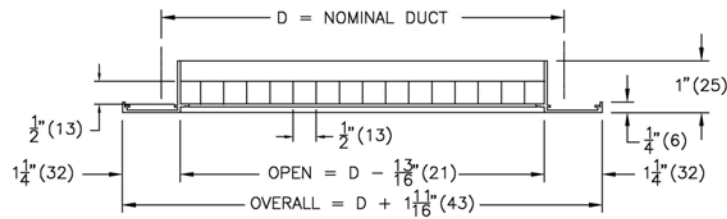
Fastening: A

Countersunk Screw Holes



Border: F

1 1/4" (32) Flat Frame



Material:

- Aluminum construction

Finish:

- B12 - White Powder Coat

Notes:

- 1/2" x 1/2" x 1/2" aluminum grid core
- Factory tolerance $\pm 1/32$ " (1)

PROJECT: 18-980 Turnbull Elementary School Music Room Addit

SUBMITTAL NO: 259683-E

SUBMITTAL DATE: 10/4/2018

ENGINEER:

CUSTOMER: Ventilation S.M.

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

80///12.000,24.000,8.000/12.000,24.000,8.000//SW/F////////A////////B12