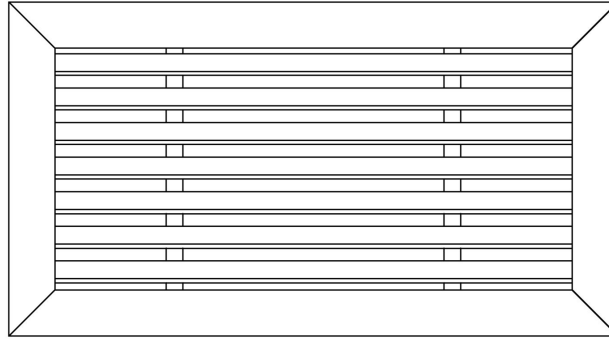
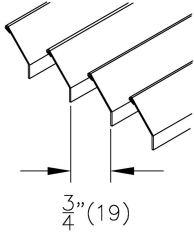


530D Louvered Steel Return Register – 3/4" Blade Spacing, 45° Single Deflection

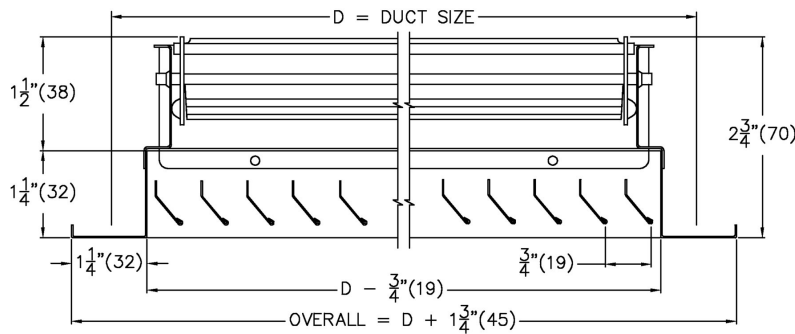
Core Style:

Single Deflection



Border: F

1 1/4" (32) Flat Frame



Material:

- Steel

Finish:

- B12 - White Powder Coat

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: Webster University - Interdisciplinary Science Building

ENGINEER: Cannon Design

DESCRIPTION: Steel Return Regist W/Damp, 45° Blades, 3/4" Spacin

530D//1/10.000/10.000/F/L//0//LI/B12

SUBMITTAL NO: 258306

CUSTOMER:

SUBMITTAL DATE: 11/23/2016



**All-In-One
Grilles/Registers/Diffusers**

Tag	Model	Panel Size	Unit Size	Finish	Description
1	SPD	12, 12	6	B12 - White Powder Coat	Square Plaque Diffuser-Steel
2	SPD	12, 12	6	B12 - White Powder Coat	Square Plaque Diffuser-Steel
3	SPD	12, 12	8	B12 - White Powder Coat	Square Plaque Diffuser-Steel
4	SPD	24, 24	6	B12 - White Powder Coat	Square Plaque Diffuser-Steel
5	SPD	24, 24	8	B12 - White Powder Coat	Square Plaque Diffuser-Steel
6	SPD	24, 24	10	B12 - White Powder Coat	Square Plaque Diffuser-Steel
7	SPD	24, 24	12	B12 - White Powder Coat	Square Plaque Diffuser-Steel
8	SPD	24, 24	14	B12 - White Powder Coat	Square Plaque Diffuser-Steel
9	SPD	24, 24	15	B12 - White Powder Coat	Square Plaque Diffuser-Steel
10	SDS100	--	48.000, 1	B12 - White Powder Coat	Linear Slot Supply, 1" Slot
10 - Plenum	SDBI100	4x7 (6" Round Equivalent)	48, 1	--	Insulated Square Shoulder Plenum For SDS100
11	SDS100	--	48.000, 2	B12 - White Powder Coat	Linear Slot Supply, 1" Slot
11 - Plenum	SDBI100	4x10.125 (8" Round Equivalent)	48, 2	--	Insulated Square Shoulder Plenum For SDS100
12	SDS100	--	48.000, 3	B12 - White Powder Coat	Linear Slot Supply, 1" Slot
12 - Plenum	SDBI100	10	48, 3	--	Insulated Square Shoulder Plenum For SDS100
13	SDS100	--	48.000, 4	B12 - White Powder Coat	Linear Slot Supply, 1" Slot
13 - Plenum	SDBI100	10	48, 4	--	Insulated Square Shoulder Plenum For SDS100
14 - Damper	520D	Unit Size + 1-1/4"	Per Plans	B12 - White Powder Coat	Louvered Steel Dbl Deflec Reg W/Damp, 3/4" Spacing
14 - No Damper	520	Unit Size + 1-1/4"	Per Plans	B12 - White Powder Coat	Louvered Steel Double Deflect Grille, 3/4" Spacing
15	620D	Unit Size + 1-1/4"	Per Plans	B12 - White Powder Coat	Louvered Alum Dbl Deflec Regis W/Damp, 3/4" Spacing
16	LBMH	Unit Size + 1" Frame	24.000, 3.000	AC - Clear Anodized	Heavy Duty Linear Bar Grille
17	FRFDA	24, 24	10	B12 - White Powder Coat	Flush Face Radial Flow Diffuser
A	80	Unit Size + 1-1/4"	22.000, 10.000	B12 - White Powder Coat	Egg Crate Grille, 1/2" X 1/2" X 1/2"
B	80	Unit Size + 1-1/4"	22.000, 22.000	B12 - White Powder Coat	Egg Crate Grille, 1/2" X 1/2" X 1/2"
C	530D	Unit Size + 1-1/4"	Per Plans	B12 - White Powder Coat	Steel Return Regist W/Damp, 45° Blades, 3/4" Spacin
D	630D	Unit Size + 1-1/4"	Per Plans	B12 - White Powder Coat	Alum Return Grille W/Damp, 45° Blades, 3/4" Spacing
E	530D	Unit Size + 1-1/4"	Per Plans	B12 - White Powder Coat	Steel Return Regist W/Damp, 45° Blades, 3/4" Spacin
F	530D	Unit Size + 1-1/4"	Per Plans	B12 - White Powder Coat	Steel Return Regist W/Damp, 45° Blades, 3/4" Spacin

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: December 16, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mike Nolte

Project No. WT 14127.01

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	238800M08	(Submittal No.'s:) (R&B-CxSRC)
		(Cannon #238800-11) - (Paric #15051-0370) - (WES #607)
		➤ Air Distribution – Price Air Devices

***Submittal Review Comments**

1. Confirm device quantities.
2. Verify ceiling construction with frame types.

c: Kelvin Patel
Kpatel@cannondesign.com

☐ Furnish as Submitted

☒ ***Furnish as Noted**

☐ Rejected

☐ Revise & Resubmit

☐ Reviewed

☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

141270.01 - 238800 M08
MTN TO REVIEW
12/07/16

WTASHOP - Webster ISB - 23 8800-011

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, "WTASHOP (WTASHOP@wmtao.com)" <WTA...>
Date: 12/7/2016 2:02 PM
Subject: Webster ISB - 23 8800-011
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>
Attachments: 238800-011 Air Distribution Devices Product Data.pdf

Attached for review.

Melissa Pirtle

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797)
cannondesign.com

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICALITY	
☐	

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings ☐ Certification / Qualifications ☐ Coordination Drawing
☐ Samples ☐ Record Documents ☐ Calculations
 (_____ copies) ☐ Product Data ☐ Schedules
☐ LEED Submittal ☐ O&M Manuals
☐ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

By:
Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0370

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 12/06/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Air Distribution Devices Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

<i>Item</i>	<i>Package</i>	<i>Code</i>	<i>Rev.</i>	<i>Copies</i>	<i>Date</i>	<i>Description</i>	<i>Status</i>
Submittal		238800-011	1		12/06/2016	Air Distribution Devices Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates



Mechanical

LETTER OF TRANSMITTAL

TO: Paric Corporation

77 West Port Plaza #250

St. Louis, MO 63146

ATTN: Jason Szachnieski, Devin Gates

DATE: 12/1/16

JOB #: 5768

RE: Webster ISB

We are sending you

☒

Shop drawings

☐ Attached

☐ Prints

☐ Under separate cover

☐ Plans

☐ Samples

☐ Specifications

☐ Copy of letter

☐ Change order

☐ Other

COPIES	DATE	NO.	DESCRIPTION
1	12/1/16	238800-2.9	Air Distribution Devices

These are transmitted as checked below:

☐ For signature

☐ For your use

☐ As requested

☐ For bids due

☒

For review and comment

☐ Approved as submitted

☐ Approved as noted

☐ Returned for corrections

☐ Prints returned after loan to us

☐ Other

☐ Resubmit

☒ Submit

☐ Return

☐ copies for approval

☐ copies for distribution

☐ corrected prints

Remarks: Please return by 12/13/16

Scheduled 5" and 7" have been adjusted to 6" and 8" as these are standard duct and air device sizes.

COPY TO: file

SIGNED:

Alex Chambers



Mechanical

Webster University ISB Webster Groves, MO

Submittal #:

238800-2.9

Submittal Description:

Air Distribution Devices

Return By:

12/13/16

Please Note: To avoid scheduling delays and equipment release delays, please submit by the "Return By" date.

CHECKED BY:				
DESIGNER:		X	ENGINEER:	X
X	NO EXCEPTION TAKEN		MAKE CORRECTIONS NOTED	
	SUBMIT SPECIFIED ITEM		REVISE AND RESUBMIT	
	REJECTED			
Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Equipment supplier is responsible for: dimensions which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades; and satisfactory performance of his work.				
		Job #:	5768	
		Date:	12/1/16	
		By:	ARC	



Grilles/Registers/Diffusers Submittals

Job Name: Webster University - Interdisciplinary Science Building

Job Location: St. Louis, MO

Engineer: Cannon Design

Contractor: icon Mechanical

Date Printed: 11/23/2016

Contact: Jake Norrenberns
13836 PARKS STEED DRIVE
EARTH CITY, MO 63045

Phone: 618-363-4441
Email: jake@kuhlmannsupply.com