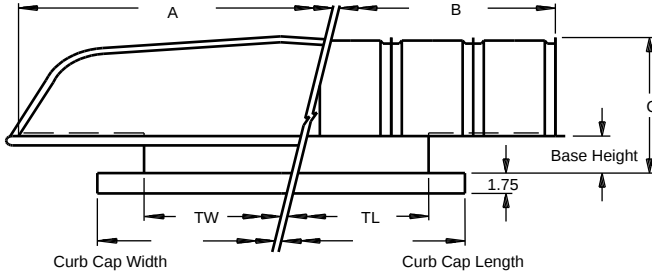


FGR

Hooded Gravity Relief

STANDARD CONSTRUCTION FEATURES

- Precision formed locked rib construction.
- Available in aluminum or galvanized steel construction.
- 0.5 in. galvanized steel mesh birdscreens.
- Heavy gauge galvanized steel support members.
- Hood can be removed completely from the base or hinged open.
- Units with a throat size exceeding 60 in. x 120 in. will have 12 in. galvanized bases as standard.
- Recommended roof opening dimension is at least 2.5 in. larger than the damper size.



NOTE: All dimensions shown are in units of inches

SELECTED OPTIONS & ACCESSORIES

Aluminum Birdscreen in lieu of Galvanized
Aluminum Housing
Curb GPI-A12
Damper WD-100-PB, Chnl. Frm., Gravity Operated, Dmpr Shipped Sep.

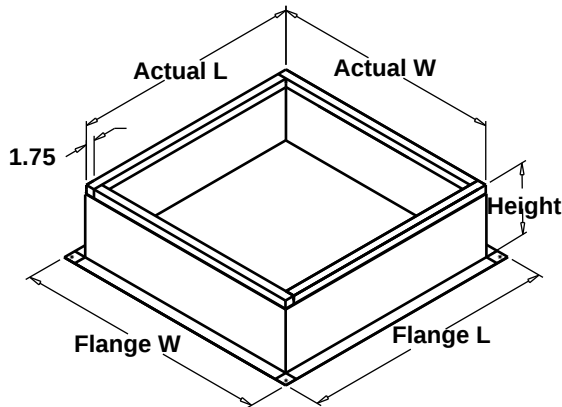
DIMENSIONS

ID #	Tag	Qty	"TW" Throat Width (in.)	"TL" Throat Length (in.)	A (in.)	B (in.)	C (in.)	Curb Cap Width (in.)	Curb Cap Length (in.)	Opt. Damper Width (in.)	Opt. Damper Length (in.)	Wt. (lb)	Base~Height ~ (in.)	Ship Assembled
1-1	H1	1	24	24	34	36	19	30	30	24	24	38	5	Yes
1-2	H2	1	30	30	40	48	19	36	36	30	30	48	5	Yes

PERFORMANCE

ID #	Tag	Qty	Volume (CFM)	SP (in. wg)	Throat Area (ft2)	Throat~Velocity~ (ft/min)
1-1	H1	1	1,200	0.022	4	300
1-2	H2	1	2,000	0.025	6.25	320

GPI Roof Curb



STANDARD CONSTRUCTION FEATURES

- Welded Aluminum (0.064 in.) or galvanized (18 ga) construction • Straight sided • 2 in. roof mounting flange • 3# density insulation • Wood nailer.
- Roof Opening - The Maximum roof opening dimension should not be greater than the "Actual" top outside dimension minus 2 in.. With dampers, the Minimum roof opening dimension should be at least 2.5 in. more than the damper dimension.

NOTES:

- * The Roof Opening Dimension may NOT be the Structural Opening Dimension.
- * Maximum single piece shipping length is 76".
- * Security Bars are optional and must be specified. Frames and gridwork are all 10 ga steel. Gridwork is welded to the frame and the frame is welded to the curb. To prevent corrosion, they are coated with Greenheck's high performance Permatector coating.

NOTES: All dimensions shown are in units of inches

Mark	Qty.	Cap W x L	Actual W x L	Flange W x L	Height	Damper Tray W x L
EXHAUST HOOD...	1	30 x 30	28.5 x 28.5	32.5 x 32.5	12	
EXHAUST HOOD...	1	36 x 36	34.5 x 34.5	38.5 x 38.5	12	

SUBMITTAL

Job Title: **Webster Univ - ISB**

Job Site: Webster University
1100 clark ave
Saint Louis , MO 63102
United States

Contractor: **ICON MECHANICAL**

Elevation: (ft) 709

Date: 06/21/16

Submitted By: Mark Haas

H C SHARP COMPANY INC
8301D CREST INDUSTRIAL DR
SAINT LOUIS , MO 63123-2509
US

Phone: (314)351-6900

Fax: (314)351-6901

Email Address: karen@hcsharpco.com



P.O. Box 410 Schofield, WI 54476 (715) 359-6171 FAX (715) 355-2399 www.greenheck.com

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: August 10, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mark Schaefer

Project No. WT 14127.01

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	238800M02	(Submittal No.'s) (R&B CxSRC)
		(Cannon #238800-005) - (Paric #15051-0175) - (WES #607)
		• Relief Hoods - Greenheck

Remarks:

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.

WTASHOP - Webster ISB - 23 8800-005

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 8/5/2016 10:55 AM
Subject: Webster ISB - 23 8800-005
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>
Attachments: 238800-005 Relief Hood Product Data.pdf

Attached for review.

Melissa Pirtle
Construction Admin

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797) • M
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
CRITICAL	☐

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. 15051-0175

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 08/05/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Relief Hood 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:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		238800-005	1		08/05/2016	Relief Hood 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: 8/3/16

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	8/3/16	238800	Relief Hoods

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 8/17/16

COPY TO: file

SIGNED:

Alex Chambers



Mechanical

Webster University ISB Webster Groves, MO

Submittal #:

238800

Submittal Description:

Relief Hoods

Return By:

8/17/16

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

CHECKED BY:			
DESIGNER: ZL		ENGINEER: MD	
☒	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:	8/3/16
		By:	ARC