SHOP DRAWING REVIEW

One University Place
8801 J.M. Keynes Drive, Suite 240
Charlotte, North Carolina 28262
Phone 704-376-7072
www.cmta.com

PROJECT:	Mooresville Selma Burke MS (Louisville VMGS20)
PROJECT NO:	221.083
SUBMITTAL:	Submittal 233800-6.0 Kitchen Exhaust Fan Controls
DATE RECEIVED:	March 4, 2022

Engineer's review is for conformance with the general design concept and for general arrangement only. Review and approval shall not be construed to mean that the engineer accepts the detail calculations and dimensions shown in the submittal or any deviation from the requirements of the contract documents. Contractor is responsible for errors or omissions in the submittal; for meeting all requirements of the contract documents; for confirming and correlating job site dimensions; for information that pertains solely to fabrication processes or to techniques of construction; and for the coordination of his work with all other trades.

DISPOSITION LEGEND

EI **EXCEPTIONS INDICATED – RESUBMISSION NOT REQUIRED**
Fabrications may proceed as per notations. If Contractor cannot comply with notation, resubmit item. Otherwise, resubmission is not required. Changes to contract or contract sum are not authorized.

Reviewer: Nick Rogers **Date: 03/29/2022**

ITEM - DISPOSITION; COMMENT(S):

1. *Provide KEF-1 with 16" roof curb as indicated in specifications.*

END OF SHOP DRAWING REVIEW

Submittal Transmittal

LS3P | 227 West Trade Street Suite 700 Charlotte NC 28202 United States

PROJECT:	MGSD Middle School 9201-201600	DATE SENT:	3/4/2022
		RETURN BY:	3/11/2022
SUBJECT:	Kitchen Exhaust Fan-Controls	SUBMITTAL ID:	233800-6-0
TYPE:	Submittal	TRANSMITTAL ID:	00705
PURPOSE:	For Review and Comment	VIA:	Info Exchange
SPEC SECTION:	233800		

FROM

NAME	COMPANY	EMAIL	PHONE
Jacquelyn Satterwhite	LS3P	JacquelynSatterwhite@ls3p.com	704-333-6686

TO

NAME	COMPANY	EMAIL	PHONE
Heather Maness	CMTA	cltsupport@cmta.com	704-376-7072
Scott Willard	CMTA	Swillard@cmta.com	502-326-3085

REMARKS:

NOTE: Received 2 files from Procore at 01:49 PM EST on 03/04/2022. Any changes made to the Submittal in Procore after this time are not shown in Newforma.

Procore Due Date:
03/18/2022

General Description:

Workflow Comments:
-See comments

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	NOTES
1	3/4/2022	23 38 00 - 6- Kitchen Exhaust Fan-Controls-PD-SD-APP.pdf		
1	3/4/2022	233800-6-0 - Submittal Form.pdf		

BARNHILL CONTRACTING COMPANY

Submittal #233800-6.0 233800 - VENTILATION HOODS

Barnhill Contracting Company
706 Main Ave. NW
Hickory, North Carolina 28601
Phone: (828) 330-7126

Project: 15000420 - SELMA BURKE MIDDLE SCHOOL
235 Rinehardt Road
Mooresville , North Carolina 28115

233800 : Kitchen Exhaust Fan-Controls

SPEC SECTION:	233800 - VENTILATION HOODS	**SUBMITTAL MANAGER:**	Logan Ridenhour **(BARNHILL CONTRACTING COMPANY)**
STATUS:	Open	**DATE CREATED:**	03/4/2022
ISSUE DATE:		**REVISION:**	0
RESPONSIBLE CONTRACTOR:	ACTION MECHANICAL CONTRACTORS	**RECEIVED FROM:**	Commie Pendergrass
RECEIVED DATE:		**SUBMIT BY:**	
FINAL DUE DATE:	03/18/2022	**LOCATION:**	
SUB JOB:		**COST CODE:**	
APPROVERS:	Logan Ridenhour **(BARNHILL CONTRACTING COMPANY)**, Michael Gaffney **(LS3P ASSOCIATES, LTD)**, Jacquelyn Satterwhite **(LS3P ASSOCIATES, LTD)**		

BALL IN COURT:
Michael Gaffney **(LS3P ASSOCIATES, LTD)**, Jacquelyn Satterwhite **(LS3P ASSOCIATES, LTD)**

DISTRIBUTION:
Michael Royal **(MOORESVILLE GRADED SCHOOL DISTRICT)** , Logan Ridenhour **(BARNHILL CONTRACTING COMPANY)** , Kevin Richey **(CMTA)** , Kyle Novak **(LS3P ASSOCIATES, LTD)** , David Martin **(MOORESVILLE GRADED SCHOOL DISTRICT)** , Tim Ignasiak **(BARNHILL CONTRACTING COMPANY)** , Trevor Holmes **(LS3P ASSOCIATES, LTD)** , Reiland Funderburk **(BARNHILL CONTRACTING COMPANY)** , Craig Davis **(BARNHILL CONTRACTING COMPANY)** , Support CMTA **(CMTA)**

DESCRIPTION:

ATTACHMENTS:

Subcontractor warrants the following:

a. We have personally investigated the proposed product and determined that it is equal in all respects to that specified and/or performance specification requirements.
b. We will provide the specified guarantee for this product.
c. We will coordinate installation of this product into the work, making such changes as may be required for the work to be complete in all aspects.
d. We have clearly indicated by marking as "Non-Complying Feature" each and every requirement of the specifications that this product does not meet.
e. And, we waive all claims for additional costs related to this product which subsequently become apparent.

SUBMITTAL WORKFLOW

NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
Logan Ridenhour	Approver		3/4/2022	3/4/2022	Approved as Noted	23 38 00 - 6-Kitchen Exhaust Fan-Controls-PD-SD-APP.pdf	-See comments
Michael Gaffney	Approver	3/4/2022	3/18/2022		Pending		
Jacquelyn Satterwhite	Approver	3/4/2022	3/18/2022		Pending		

BY **DATE** **COPIES TO**

BARNHILL CONTRACTING COMPANY
706 MAIN AVE. NW
HICKORY, NC 28601
PH 828-330-7126

SUBMITTAL COVER FORM

PROJECT NAME:	Selma Burke Middle School		
PROJECT NO.:	15000420	**DATE OF SUBMITTAL:**	3/04/2022

SUBMITTAL #:	233800-6
SUBMITTAL DESCRIPTION:	Kitchen Exhaust

SUBCONTRACTOR	
NAME:	Action Mechanical
ADDRESS:	3228 Nevada Blvd
	Charlotte NC, 28273

ARCHITECT	
NAME:	LS3P
ADDRESS:	227 W. Trade Street, Suite 700, Charlott

SUPPLIER	
NAME:	
ADDRESS:	

MANUFACTURER	
NAME:	
ADDRESS:	

SPECIFICATION SECTION	SPECIFICATION PARAGRAPH	DESCRIPTION OF ITEM SUBMITTED
233800-6		Kitchen Exhaust Fan/Controls

WE WARRANT THE FOLLOWING:

a. We have personally investigated the proposed product and determined that is is equal in all respects to that specified and/or performance specification requirements.
b. We will provide the specified guarantee for this product.
c. We will coordinate the installation of this product into the work, making such changes as may be required for the work to be complete in
d. We have clearly indicated by marking as "NON-COMPLYING FEATURE" each and every requirement of the specifications that this product does not meet.
e. And, we waive all claims for additional costs related to this product which subsequently become apparent.

SUBMITTED BY: Logan Ridenhour
SIGNATURE

BARNHILL CONTRACTING COMPANY REVIEW	ARCHITECT / ENGINEER REVIEW

BARNHILL

- ☐ APPROVED
- ☒ APPROVED AS NOTED
- ☐ FOR INFORMATION ONLY
- ☐ REVISE AND RESUBMIT
- ☐ REJECTED
- ☐ REVIEWED

REVIEWED BY: Logan Ridenhour
Logan Ridenhour
DATE: 3/04/2022

Barnhill Contracting Company is not responsible for any discrepancy between this submittal and the Contract Documents, nor for any dimension or quantity errors. Review of this submittal does not relieve the Subcontractor or Material Suppliers of their responsibility to comply with the Contract Documents.

Date	**January 17, 2022**
Hoffman & Hoffman Order #	**125.351.11082**
Branch Office	**Charlotte, NC**
Salesman	**Spencer Jones**

SUBMITTAL

PROJECT: **Selma Burke Middle School**
Mooresville, NC

CONTRACTOR: **Action Mechanical**
Charlotte, NC

ENGINEER: **CMTA**
Prospect, KY

EQUIPMENT: **Kitchen Hoods, Fans, and UDS by Greenheck**

General Notes: ***Above per the attached data and cut sheets***

1) All sizing, performance, and voltages to be confirmed

2) All UDS hookups to be verified

3) Drawings show the UDS a shorter length than the hoods. However it is recommend that the UDS go the full length of the hoods (including the additional length of the utility cabinets). Please veify and confirm UDS sizing

FOR APPROVAL

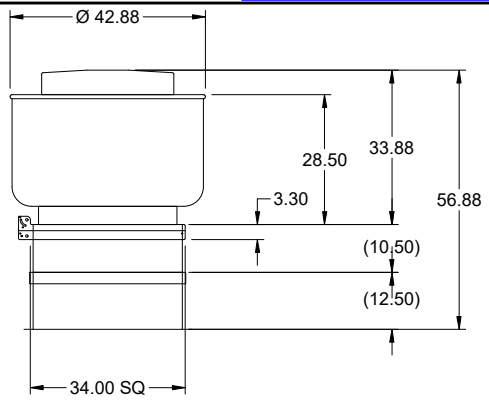
HOFFMAN & HOFFMAN, INC.
HVAC Manufacturers Representative
Website: **www.hoffman-hoffman.com**

Asheville, NC	**(828) 252-5782**	**Charleston, SC**	**(843) 884-3201**
Charlotte, NC	**(704) 364-4700**	**Columbia, SC**	**(803) 765-9360**
Raleigh, NC	**(919) 781-8011**	**Greenville, SC**	**(864) 676-1888**
Wilmington, NC	**(910) 791-4775**	**Chesapeake, VA**	**(757) 548-1700**
Chattanooga, TN	**(423) 693-2890**	**Richmond, VA**	**(804) 272-1500**
Knoxville, TN	**(865) 450-9770**	**Roanoke, VA**	**(540) 725-8701**

Corporate: Greensboro, NC (336) 292-8777

Model: CUBE-220HP-20

Belt Drive Upblast Centrifugal Roof Exhaust Fan



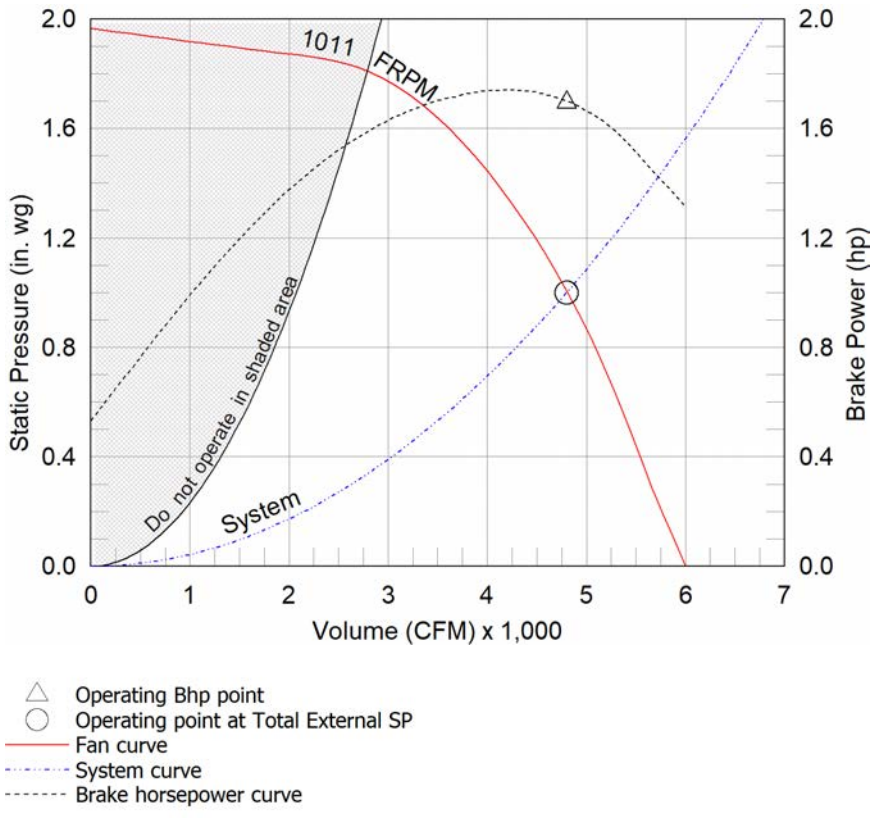
Dimensional	
Quantity	1
Weight w/o Acc's (lb)	139
Weight w/ Acc's (lb)	191
Weight w/ Acc's and Curb (lb)	243
Max T Motor Frame Size	184
Standard Curb Cap Size (in.)	34 x 34
Roof Opening (in.)	26.5 x 26.5

Performance	
Requested Volume (CFM)	4,800
Actual Volume (CFM)	4,800
Total External SP (in. wg)	1
Fan RPM	1011
Operating Power (hp)	1.69
Elevation (ft)	886
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.073
Drive Loss (%)	5.1
Tip Speed (ft/min)	6,488
Static Eff. (%)	47

Misc Fan Data	
Fan Eff. Index (FEI)	1.13
Outlet Velocity (ft/min)	1,277
FEI based on default motor calculation showing lowest efficiency option, for motor specific calculations please contact factory.	

Motor	
Motor Mounted	Yes
Size (hp)	2
Voltage/Cycle/Phase	460/60/3
Enclosure	ODP
Motor RPM	1725
Efficiency Rating	Standard
Windings	1
NEC FLA* (Amps)	3.4
Min. Circuit Ampacity (MCA)	4.25
Max. Overcurrent Protection (MOP)	15
Short Circuit Current Rtg (SCCR)	5 kA

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.



Notes:

All dimensions shown are in units of in.
*NEC FLA, MCA and MOP are for reference only – based on tables 430.248 or 430.25 of National Electric Code 2020. Actual motor FLA may vary, for sizing thermal overload, consult factory. MCA and MOP values shown only account for the motor, not accessories (damper actuator, field supplied VFD, etc).
LwA - A weighted sound power level, based on ANSI S1.4
dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not licensed by AMCA International
Sones - calculated using ANSI/AMCA 301 at 5 ft
The motor provided on this fan is inverter ready and meets NEMA MG1 Part 31.4.4.2

Sound Power by Octave Band

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	79	82	85	79	73	71	66	63	81	70	18.2

Model: CUBE-220HP-20

Belt Drive Upblast Centrifugal Roof Exhaust Fan

Standard Construction Features:

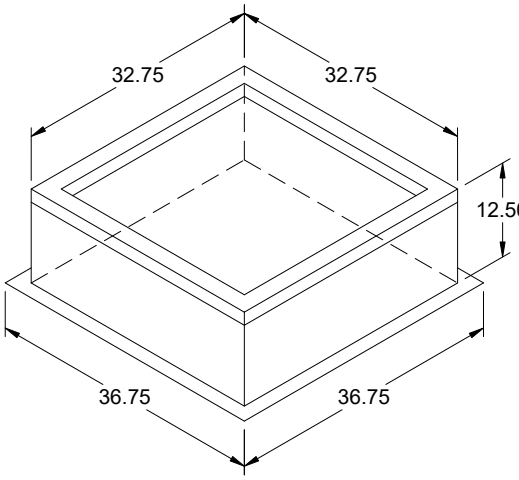
- Aluminum housing - Backward inclined aluminum wheel - Curb cap with prepunched mounting holes - Motor and drives isolated on shock mounts - Drain trough - Ball bearing motors - Adjustable motor pulley - Adjustable motor plate - Fan shaft mounted in ball bearing pillow blocks - Bearings meet or exceed temperature rating of fan - Static resistant belts - Corrosion resistant fasteners - Internal lifting lugs

Selected Options & Accessories:

Motor VFD Rated without Shaft Grounding Protection
Spare Belt(s) - 2 Sets (Attached)
Standard Curb Cap Size - 34 Square
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"
Switch, NEMA-3R (PN:N3RTSNO-3-30), Toggle, Shipped with Unit
Junction Box Mounted & Wired
Curb Extension-Galv., VCE-34-G10.5
Hinged Curb Cap Kit w/Cables (PN 917046) & Support Bracket (Shipped Loose)
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
Grease Trap (PN 475538)
Birdscreen: Aluminum, nom. 86% Free Area
Heat Baffle (Attached)
Bearings with Grease Fittings, L10 life of 100,000 hrs (L50 avg. life 500,000 hrs)
Unit Warranty: 1 Yr (Standard)

Selected Sub Marks

See individual submittals for full details
GPF-34-G12



Model: GPF

Roof Curb

Standard Construction Features:

- Roof Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of either 18 ga galvanized steel or 0.064 in. aluminum - Straight Sided without a cant - 2 in. or 5 in. mounting flange - 1 in. thick 3 lb density insulation - Height - Available from 8 in. to 42 in. as specified in 0.5 in. increments. Notes: - The maximum roof opening dimension should not be greater than the "Actual" top outside dimension minus 2 in.. - The minimum roof opening dimension should be at least 2.5 in. more than the damper dimension or recommended duct size. - The Roof Opening Dimension may or may not be the same as the Structural Opening Dimension. - Damper Tray is optional and must be specified. Tray size is same as damper size. - Security bars are optional and must be specified. Frames and gridwork are all 12 ga steel. Gridwork is welded to the frame and the frame is welded to the curb.

***This curb can be mounted on the roof or wall (with a sidewall mounted CUE or CUBE fan).

General

Tag	Qty	Model	Sizing Method	Undersizing (in.)	Weight (lb)	Shipped Assembled	Union Label
	1	GPF-34	Nominal	1.25	52	Yes	No Preference

Dimensions

Curb Height (in.)	Nominal Outside Width (in.)	Nominal Outside Length (in.)	Actual Outside Width (in.)	Actual Outside Length (in.)	Actual Inside Width (in.)	Actual Inside Length (in.)	Flange Width (in.)	Flange Length (in.)	Hinge Base Width* (in.)	Hinge Base Length* (in.)
12.5	34	34	32.75	32.75	29.25	29.25	36.75	36.75	33	33

*May not be applicable

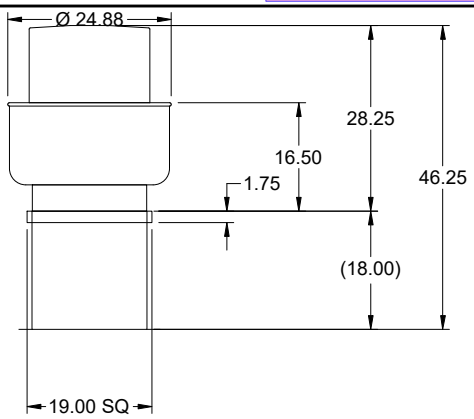
Accessories

Material	Security Bars	Liner	Insulation (in.)	Insulation R Value
Galvanized	No	No	1	R4.3

Spec Section 233800 calls for a 16" curb.

Model: CUE-099-VG

Direct Drive Upblast Centrifugal Roof Exhaust Fan



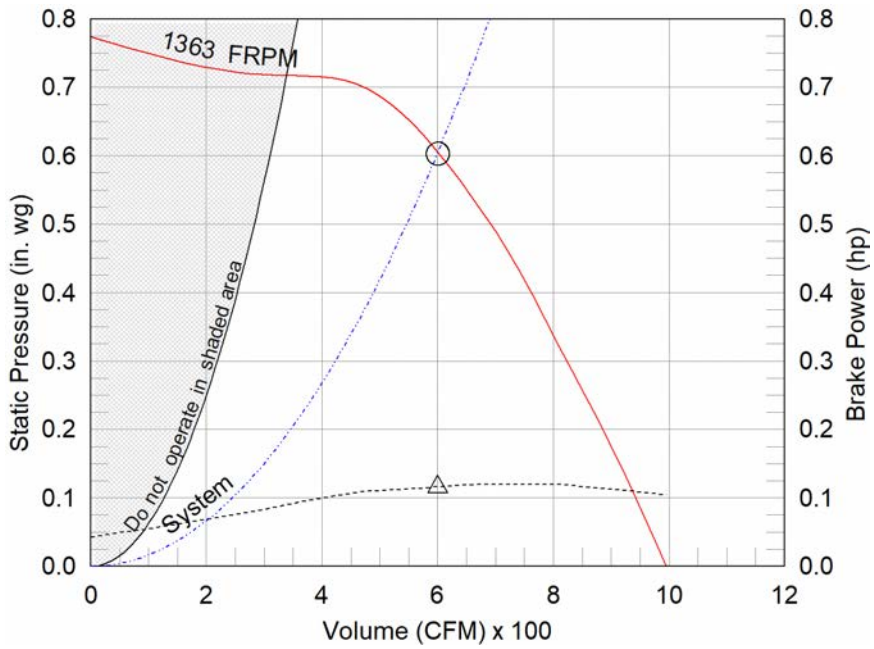
OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.

Dimensional	
Quantity	1
Weight w/o Acc's (lb)	30
Weight w/ Acc's (lb)	45
Weight w/ Acc's and Curb (lb)	72
Standard Curb Cap Size (in.)	19 x 19
Optional Damper (in.)	12 x 12
Roof Opening (in.)	14.5 x 14.5

Performance	
Requested Volume (CFM)	600
Actual Volume (CFM)	600
Total External SP (in. wg)	0.603
Fan RPM	1363
Operating Power (hp)	0.12
Elevation (ft)	886
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.073
Tip Speed (ft/min)	3,991
Static Eff. (%)	49

Misc Fan Data	
Fan Eff. Index (FEI)	-
Outlet Velocity (ft/min)	469

Motor	
Motor Mounted	Yes
Size (hp)	1/4
Voltage/Cycle/Phase	115/60/1
Enclosure	TENV
Motor RPM	1725
Efficiency Rating	High
Windings	1
FLA (Amps)	2.85
Min. Circuit Ampacity (MCA)	4
Max. Overcurrent Protection (MOP)	15
Short Circuit Current Rtg (SCCR)	5 kA



Static Pressure Calculations

External SP	0.5 in. wg
Damper	0.103 in. wg
Total External SP	0.603 in. wg

Notes:

All dimensions shown are in units of in.
*NEC FLA, MCA and MOP are for reference only – based on tables 430.248 or 430.25 of National Electric Code 2020. Actual motor FLA may vary, for sizing thermal overload, consult factory. MCA and MOP values shown only account for the motor, not accessories (damper actuator, field supplied VFD, etc).
LwA - A weighted sound power level, based on ANSI S1.4
dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not licensed by AMCA International
Sones - calculated using ANSI/AMCA 301 at 5 ft

Sound Power by Octave Band

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	71	70	67	62	59	58	54	44	66	54	7.2

Model: CUE-099-VG

Direct Drive Upblast Centrifugal Roof Exhaust Fan

Standard Construction Features:

- Aluminum housing - Backward inclined aluminum wheel - Aluminum curb cap with prepunched mounting holes - Drain trough - Ball bearing motors (sizes 85-300 and all Vari Green), sleeve bearing motors (sizes 60-80) - Motor isolated on shock mounts - Corrosion resistant fasteners

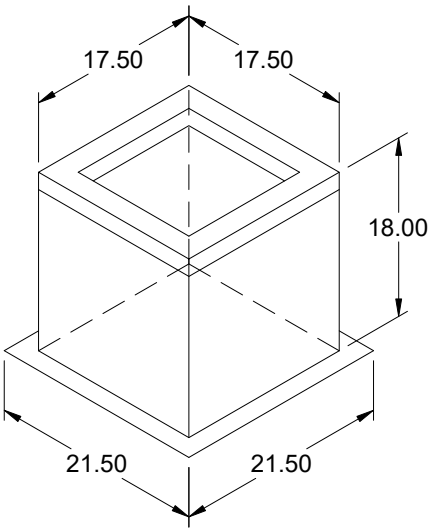
Selected Options & Accessories:

Motor - Vari-Green EC motor
Control - Dial for balancing
Standard Curb Cap Size - 19 Square
UL/cUL 705 Listed - "Power Ventilators"
Switch, NEMA-3R (PN:N3RTSNO-2-30), Toggle, Shipped with Unit
Junction Box Mounted & Wired
Foam Curb Seal (Factory Applied)
Birdscreen: Aluminum, nom. 86% Free Area
Unit Warranty: 1 Yr (Standard)
Damper Shipped Loose, WD-100-PB-12X12, Not Coated
Damper Actuator (MP-100A), 115 VAC Actuated

Selected Sub Marks

See individual submittals for full details
GPI-19-G18

The Vari-Green Motor included in this order has a 'Multi-Voltage' ability. The red wire on the motor is called a 'Voltage Doubler', and when it is connected the motor can be powered by 115V.
If the Red wire is disconnected, then the motor can be powered with 208-230/277V. The motor will leave the factory with the voltage doubler wired per the order.



Model: GPI

Roof Curb

Standard Construction Features:

- Roof Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of either 18 ga galvanized steel or 0.064 in. aluminum - Straight Sided without a cant - 2 in. mounting flange - 3 lb density insulation - Height - Available from 12 in. to 42 in. as specified in 0.5 in. increments. Notes: - The maximum roof opening dimension should not be greater than the "Actual" top outside dimension minus 2 in.. - The minimum roof opening dimension should be at least 2.5 in. more than the damper dimension or recommended duct size. - The Roof Opening Dimension may or may not be the same as the Structural Opening Dimension. - Damper Tray is optional and must be specified. Tray size is same as damper size. - Security bars are optional and must be specified. Frames and gridwork are all 12 ga steel. Gridwork is welded to the frame and the frame is welded to the curb.

General

Tag	Qty	Model	Sizing Method	Undersizing (in.)	Weight (lb)	Shipped Assembled	Union Label
	1	GPI-19	Nominal	1.5	27	Yes	No Preference

Dimensions

Curb Height (in.)	Nominal Outside Width (in.)	Nominal Outside Length (in.)	Actual Outside Width (in.)	Actual Outside Length (in.)	Actual Inside Width (in.)	Actual Inside Length (in.)	Flange Width (in.)	Flange Length (in.)	Hinge Base Width* (in.)	Hinge Base Length* (in.)
18	19	19	17.5	17.5	14	14	21.5	21.5	18	18

*May not be applicable

Accessories

Material	Security Bars	Liner	Insulation (in.)	Insulation R Value
Galvanized	No	No	1	R4.3

Variable Volume

Greenheck Kitchen Controls

Standard Construction Features:

Includes control system, VFDs (unless otherwise stated), Temperature Sensors, Touchscreen. IMC 507.2.1.1 compliant.

Options & Accessories:

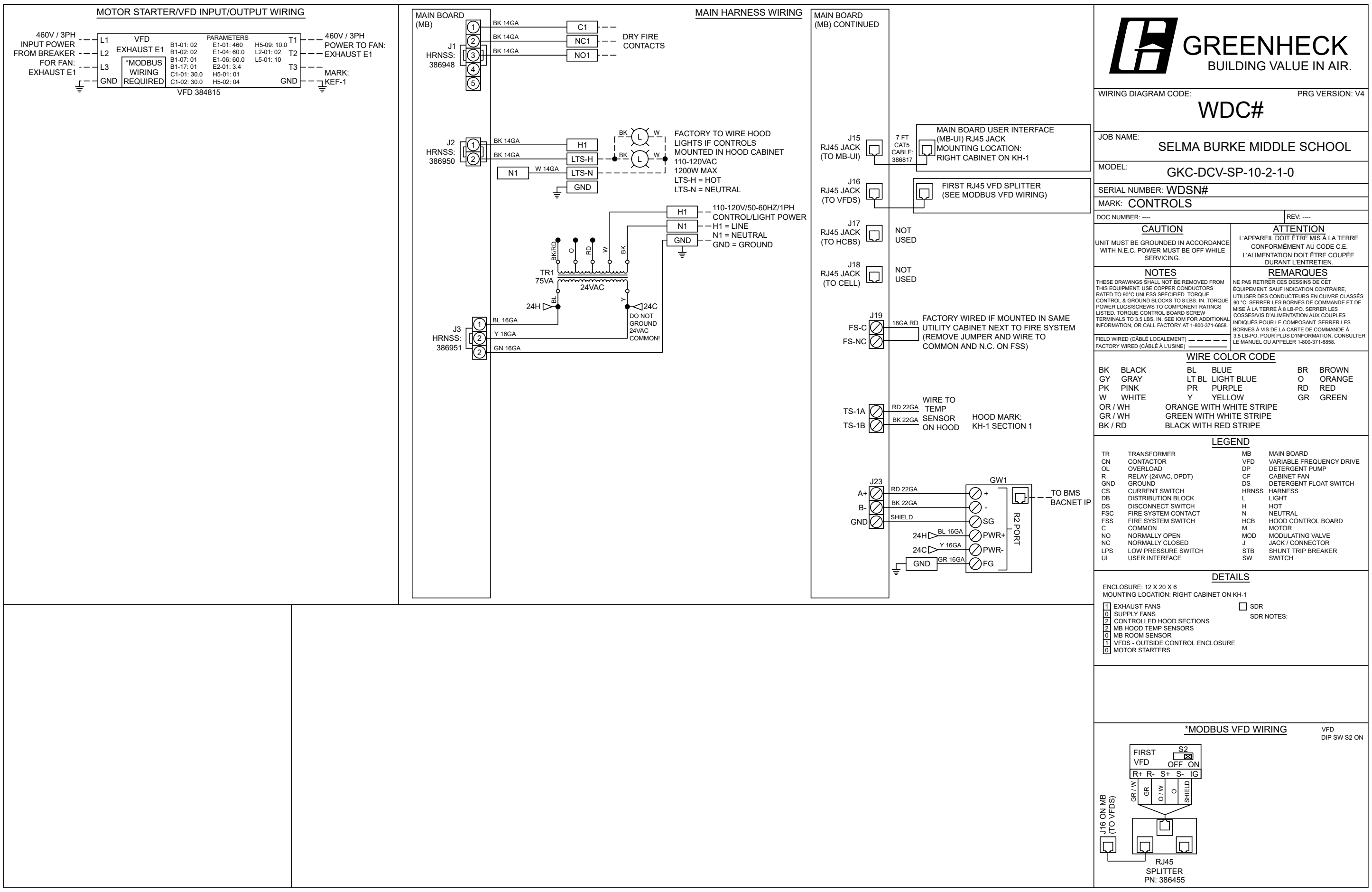
Mounting Option	Right Cabinet on KH-1
Exhaust Fan Quantity	1
Hood Light Control	Yes
User Interface	Full Color Touchscreen
Touchscreen Mounting Location	Utility Cabinet - Right End of Hood - Right Cabinet on KH-1
Exhaust During Fire	Exhaust fans will run at max speed when in fire mode
Building Management System	BMS Interface: BACnet IP

Controlled Fans:

Fan Mark	Fan Type	Supplied By	Phase	HP	Voltage	NEC FLA	Starter/VFD Required	Starter/VFD Provided
KEF-1	Exhaust	Manufacturer	3	2	460	3.4	Yes	Yes

Controlled Hood Sections and Fan Relationships:

KH-1 Section - Number of Sensors = 1	
	Exhaust Fan Name - KEF-1
KH-2 Section - Number of Sensors = 1	
	Exhaust Fan Name - KEF-1


MOTOR STARTER/VFD INPUT/OUTPUT WIRING
460V / 3PH INPUT POWER FROM BREAKER FOR FAN: EXHAUST E1
VFD EXHAUST E1
*MODBUS WIRING REQUIRED
VFD 384815
460V / 3PH POWER TO FAN: EXHAUST E1
MARK: KEF-1
MAIN HARNESS WIRING
MAIN BOARD (MB)
J1 HRNSS: 386948
DRY FIRE CONTACTS
J2 HRNSS: 386950
FACTORY TO WIRE HOOD LIGHTS IF CONTROLS MOUNTED IN HOOD CABINET
110-120VAC
1200W MAX
LTS-H = HOT
LTS-N = NEUTRAL
110-120V/50-60HZ/1PH CONTROL/LIGHT POWER
H1 = LINE
N1 = NEUTRAL
GND = GROUND
TR1 75VA
24VAC
DO NOT GROUND 24VAC COMMON!
J3 HRNSS: 386951
MAIN BOARD (MB) CONTINUED
J15 RJ45 JACK (TO MB-UI)
7 FT CAT5 CABLE 386817
MAIN BOARD USER INTERFACE (MB-UI) RJ45 JACK MOUNTING LOCATION: RIGHT CABINET ON KH-1
J16 RJ45 JACK (TO VFDS)
FIRST RJ45 VFD SPLITTER (SEE MODBUS VFD WIRING)
J17 RJ45 JACK (TO HCBS)
NOT USED
J18 RJ45 JACK (TO CELL)
NOT USED
J19
FACTORY WIRED IF MOUNTED IN SAME UTILITY CABINET NEXT TO FIRE SYSTEM (REMOVE JUMPER AND WIRE TO COMMON AND N.C. ON FSS)
WIRE TO TEMP SENSOR ON HOOD
HOOD MARK: KH-1 SECTION 1
J23
GW1
R2 PORT
TO BMS BACNET IP
GREENHECK
BUILDING VALUE IN AIR.
WIRING DIAGRAM CODE:
PRG VERSION: V4
WDC#
JOB NAME:
SELMA BURKE MIDDLE SCHOOL
MODEL:
GKC-DCV-SP-10-2-1-0
SERIAL NUMBER: WDSN#
MARK: CONTROLS
CAUTION
UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.
ATTENTION
NOTES
REMARQUES
WIRE COLOR CODE
BK BLACK
GY GRAY
PK PINK
W WHITE
BL BLUE
LT BL LIGHT BLUE
PR PURPLE
Y YELLOW
BR BROWN
O ORANGE
RD RED
GR GREEN
OR / WH ORANGE WITH WHITE STRIPE
GR / WH GREEN WITH WHITE STRIPE
BK / RD BLACK WITH RED STRIPE
LEGEND
DETAILS
ENCLOSURE: 12 X 20 X 6
MOUNTING LOCATION: RIGHT CABINET ON KH-1
1 EXHAUST FANS
0 SUPPLY FANS
2 CONTROLLED HOOD SECTIONS
2 MB HOOD TEMP SENSORS
0 MB ROOM SENSOR
1 VFDS - OUTSIDE CONTROL ENCLOSURE
0 MOTOR STARTERS
SDR
SDR NOTES:
*MODBUS VFD WIRING
VFD DIP SW S2 ON
FIRST VFD
J16 ON MB (TO VFDS)
RJ45 SPLITTER PN: 386455

GREENHECK
BUILDING VALUE IN AIR.

DOC NUMBER: ---- REV: ----

CAUTION
UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

ATTENTION
L'APPAREIL DOIT ÊTRE MIS À LA TERRE CONFORMÉMENT AU CODE C.E. L'ALIMENTATION DOIT ÊTRE COUPÉE DURANT L'ENTRETIEN.

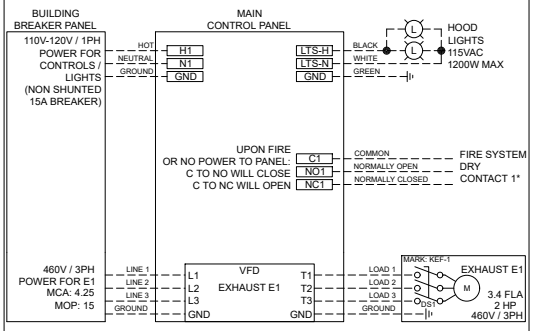
COMMERCIAL APPLIANCE OUTLET CENTER
ELECTRICAL RATINGS: 110-240V,1PHASE, 50 -60HZ,15A
BASE FILE #E200616, ML FILE #E313951
43BM

THESE DRAWINGS SHALL NOT BE REMOVED FROM THIS EQUIPMENT. USE COPPER CONDUCTORS RATED TO 90°C UNLESS SPECIFIED. TORQUE CONTROL & GROUND BLOCKS TO 8 LBS. IN. TORQUE POWER LUGS/SCREWS TO COMPONENT RATINGS LISTED. TORQUE CONTROL BOARD SCREW TERMINALS TO 3.5 LBS. IN. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM. SEE IOM FOR ADDITIONAL INFORMATION, OR CALL FACTORY AT 1-800-371-6858.
PRG VERSION: V4
FIELD WIRED (CÂBLÉ LOCALEMENT)
FACTORY WIRED (CÂBLÉ À L'USINE)

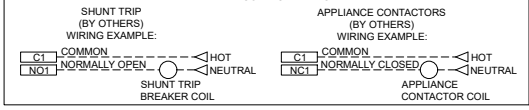
NE PAS RETIRER CES DESSINS DE CET ÉQUIPEMENT. SAUF INDICATION CONTRAIRE, UTILISER DES CONDUCTEURS EN CUIVRE CLASSÉS 90 °C. SERRER LES BORNES DE COMMANDE ET DE MISE À LA TERRE À 8 LB-PO. SERRER LES COSSES/VIS D'ALIMENTATION AUX COUPLES INDIQUÉS POUR LE COMPOSANT. SERRER LES BORNES À VIS DE LA CARTE DE COMMANDE À 3,5 LB-PO. LA RÉSISTANCE DU CÂBLAGE DE COMMANDE LOCAL NE DOIT PAS DÉPASSER 0,75 OHM. POUR PLUS D'INFORMATION, CONSULTER LE MANUEL OU APPELER 1-800-371-6858

WIRING DIAGRAM CODE: WDC#
JOB NAME: SELMA BURKE MIDDLE SCHOOL
MODEL: GKC-DCV-SP-10-2-1-0
SERIAL NUMBER: WDSN#
MARK: CONTROLS

POWER WIRING FOR KITCHEN CONTROLS
(WIRING TO BE DONE BY ELECTRICIAN)



*FIRE SYSTEM DRY CONTACT WIRING EXAMPLES



CONTROL WIRING FOR KITCHEN CONTROLS
(WIRING TO BE DONE BY ELECTRICIAN, IF NO CONTROLS CONTRACTOR. USE 18-22GA WIRE UNLESS SPECIFIED.)