

SUBMITTAL REVIEW COMMENTS

Project	Project No.	Date	
E.E. Waddell High School Renovation	602716	4/11/2022	
	Section	Reviewed By	Submittal No.
233423-HVAC Power Ventilators (Motorized Dampers)	23 34 23	LTB	23 34 23 -001

NOTES

IF THIS SUBMITTAL CONTAINS DEVIATIONS FROM THE CONTRACT DOCUMENTS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SPECIFICALLY INFORM THE ARCHITECT IN WRITING OF ALL SUCH DEVIATIONS; AND ALL SUCH DEVIATIONS SHALL BE INCORPORATED INTO THE CONTRACT DOCUMENTS BY THE ISSUANCE OF ONE OF THE FOLLOWING AUTHORIZING SUCH DEVIATIONS, PRIOR TO PROCEEDING WITH FABRICATION, MANUFACTURE AND/OR CONSTRUCTION:

- 1) Field Clarification (or other form used to convey minor changes to the Work);
- 2) Change Order; or
- 3) Construction Change Directive

This review and these comments are subject to the limitations indicated in the *General Conditions of the Contract for Construction*, and as follows:

- 1) Architect's review is for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents;
- 2) Architect's review is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which shall remain the responsibility of the Contractor as required by the Contract Documents;
- 3) Architect's review shall not constitute approval of safety precautions or of any construction means, methods, techniques, sequences, or procedures; and
- 4) Architect's approval as noted of a specific item shall not indicate approval as noted of an assembly of which the item is a component.

Notations indicated on this submittal do not relieve the Contractor from complying with the requirements of the Contract Documents.

The Contractor shall verify that all necessary approvals as noted are obtained prior to proceeding with the fabrication, manufacturing, purchasing, and/or construction of any item, component, system, or assembly.

The Contractor's responsibilities include, but are not limited to, the following:

- 1) Correlation and confirmation of dimensions and quantities;
- 2) Means, methods, techniques, sequences, and procedures of construction;
- 3) Coordination of the Work of all trades; and
- 4) Performance of all Work in a safe and satisfactory manner

ACTION TAKEN:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Approved as Noted | <input type="checkbox"/> Revise and Resubmit |
| <input type="checkbox"/> Rejected/Resubmit | <input type="checkbox"/> Resubmit for Record |
| <input type="checkbox"/> Not Submitted | <input type="checkbox"/> Color Selection Required |

REMARKS

See Engineer's Comments on Attached

Notes regarding Submittal Review Action Taken:

Approved as Noted: The Contractor is advised that fabrication, manufacturing, purchasing, and/or construction may proceed based on this submittal provided that the work is in full compliance with the Contract Documents.

Revise and Resubmit: The Contractor is advised that fabrication, manufacturing, purchasing, and/or construction may **not** proceed based on this submittal. Provide revised submittal until such time **Approved as Noted** is received from the Architect.

Rejected / Resubmit: The Contractor is advised that fabrication, manufacturing, purchasing, and/or construction may **not** proceed based on this submittal. Provide new submittal which is in full compliance with the Contract Documents until such time **Approved as Noted** is received from the Architect.

Color Selection Required: The Contractor is advised that color selections for the entire project, or portion thereof, will be provided after receipt of **all** color charts / samples required for the Project.

Not Reviewed / No Action Taken: Contractor is advised that this submittal has not been reviewed.

Not Submitted: Contractor is advised that the Contract Documents require a submittal for this Work. Provide a submittal which is in full compliance with the Contract Documents until such time **Approved as Noted** is received from the Architect.



RAND LPH

BUILDERS, INC.

**Mailing: P.O. Box 410283
Charlotte, NC 28241**

**Shipping: 1010 Culp Road
Pineville, NC 28134**

Phone (704) 588-7116 Fax: (704) 588-8280

More Than Bricks & Mortar

Date: 04/07/2022

Project: E.E. Waddell High School
Renovations

Submittal: 233423 HVAC Power Ventilators
(Motorized Dampers)

SHOP DRAWING REVIEW

- NO EXCEPTION TAKEN
- APPROVED AS NOTED
- REVISE AND RESUBMIT
- REJECTED



REVIEW IS FOR GENERAL COMPLIANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS. MECHANICAL CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR CORRECTNESS, DIMENSIONS, DETAILS, QUANTITIES AND ALL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT, INCLUDING STRUCTURAL AND ELECTRICAL CHANGES, MAINTENANCE ACCESS, CLEARANCES, BUILDING ALTERATIONS, PIPING, SHEET METAL, REPLACEMENT OF OTHER SYSTEM COMPONENTS, ETC.

BY SDaley

DATE 4/11/2022

Submittal title is misleading, this is not a power ventilator submittal.

Submittal and/or Shop Drawing(s) complies with the requirements of the Contract Document and has been reviewed, Checked and verified with respect to manufacturer, product and dimensions, and information contained within has been coordinated with other parts of the work

APPROVED X

MAKE CORRECTIONS NOTED

AMEND & RESUBMIT

REJECTED SEE REMARKS

SEE NOTES AND OR COMMENTS

RANDOLPH & SON BUILDERS, INC.

Date: 04/01/2022 By: KUH

Div: 23
Scope: HVAC Power Ventilators

Date	March 22, 2022
Hoffman & Hoffman Order #	125.351.11113
Branch Office	Charlotte, NC
Salesman	Spencer Jones



PROJECT: EE Waddell HS Renovations
Charlotte, NC

CONTRACTOR: Action Mechanical
Charlotte, NC

ENGINEER: Optima Engineering
Charlotte, NC

EQUIPMENT: Motorized Dampers by Greenheck

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

- 1) All sizes and voltages to be verified

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	

We have exercised care in the preparation of this submittal. We believe it satisfies our interpretation of the designer's intent and scope. It contains the list of materials, quantities, sizes, style and the finish as we propose to furnish for this job. Please examine and check carefully that all items are exactly as required and that our interpretation of the applicable plans and/or specifications are consistent with the design. Approval by the engineer and purchaser will be required before release of this equipment for production. If any discrepancies are discovered, please notify us as soon as possible.

VCDR-53 Round Volume Control Damper - Low Leakage

APPLICATION & DESIGN

Model VCDR-53 is a round control damper intended for applications in low to medium pressure and velocity systems.

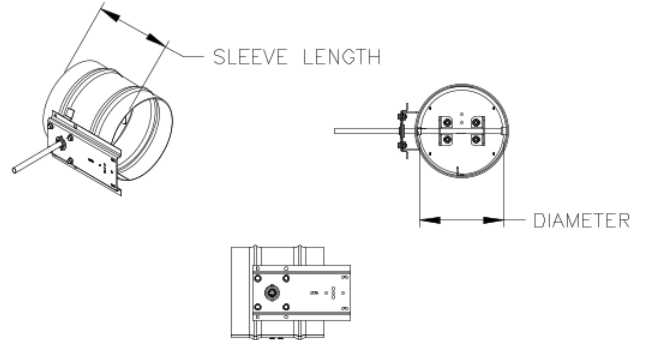
DAMPER RATINGS

Pressure: Up to 4 in. wg - pressure differential
Velocity: Up to 3,000 ft/min
Temperature: Up to 250 F

SLEEVE LENGTH = 8.125 IN. IF NOMINAL DIAMETER ≤ 14
SLEEVE LENGTH = 11.688 IN. IF NOMINAL DIAMETER > 14

PRODUCT DETAILS

Frame/Blade Material: Galvanized
Frame Thickness: 20 ga
Axle Material: Steel
Axle Bearings: Bronze
Sizing: Nominal
Blade Seal: Silicone
Damper Temp. Rating: 180 F



- This drawing shows a general damper configuration and is not intended to depict the exact configuration of all dampers in this submittal.
- Width and Height furnished approximately 0.125 in. under size.
- Factory supplied actuators are sized for 1,500 fpm and a fully-closed differential pressure of 2 in. wc. Contact factory for actuator sizing on applications exceeding those levels.
- Installation instructions available at www.greenheck.com.

ACTUATOR INFORMATION

Actuator Type: 24 VAC
Operating Mode: Two Position
Actuator Operation: Spring Return
Actuator Mounting: External
Fail Position: Closed
NEMA Enclosure: Least Cost
Auxiliary Switches: Yes
Transformer: None

OPTIONS & ACCESSORIES

Clean Wrap: No
Union Label: No Preference

SUMMARY

ID #	TAG	QTY	DIAMETER	CONFIGURATION	
2-1		3	14.000 in.	Actuator Model: MS8104F1210	Actuator Mfr: Honeywell



P.O. Box 410 SCHOFIELD, WISCONSIN 54476-0410
PH. 715-359-6171

web address:
www.greenheck.com

WARRANTY

Greenheck warrants this equipment to be free from defects in material and workmanship for a period of one year from the date of purchase.

Any units or parts which prove to be defective during the warranty period will be replaced at our option when returned to our factory, transportation paid.

The motor is warranted by the motor manufacturer for a period of one year. Should the motor prove defective during this period, it should be returned to the nearest authorized motor service station.

Greenheck will not be responsible for any installation or removal cost.

HOFFMAN & HOFFMAN, INC.

**Greensboro, NC Asheville, NC Charlotte, NC Raleigh, NC Wilmington NC
Columbia SC Charleston SC Greenville SC Roanoke VA Richmond VA
Chesapeake VA**