



# Weaver

CONSTRUCTION MANAGEMENT

3679 S Huron Street, Suite 404 Englewood, Colorado 80110

Phone: (303) 789-4111 FAX: (303) 789-4310

## SUBMITTAL TRANSMITTAL

February 20, 2012

**WGC Submittal No: 15800-007**

PROJECT: **Harold Thompson Regional WRF**  
Birdsall Rd.  
Fountain, CO 80817  
Job No. 2908

ENGINEER: **GMS, Inc.**  
611 No. Weber St., #300  
Colorado Springs, CO 80903  
719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan  
Sewage Disposal District**  
901 S. Santa Fe Ave.  
Fountain, CO 80817  
719-382-5303 James Heckman

CONTRACTOR: **Kuck Mechanical Contractors, LLC.**  
395 West 67<sup>th</sup> Street  
Loveland, CO 80593  
970-461-3553 Melanie Peterson

SUBJECT: Exhaust Fan in the EM Building - EF-1 - Zephyr ZT

SPEC SECTION: 15800 - Heating & Ventilating

PREVIOUS SUBMISSION DATES:

DEVIATIONS FROM SPEC: \_\_\_ YES  X  NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

Contractor's Stamp:

Engineer's Stamp:

Date: 2/20/12

Reviewed by: Leslie Brown  
(x) Reviewed Without Comments  
( ) Reviewed With Comments

ENGINEER'S  
COMMENTS: \_\_\_\_\_



395 West 67th Street  
P.O. Box 388  
Loveland, CO 80539-0388  
Phone: (970) 461-3553  
Fax: (970) 461-3443

**DATE:** 02/15/12

**SENT TO:** Weaver General Contractors

**Attn:** John Jacob

**JOB:** Harold D. Thompson WRF (#01135)  
9001 Birdsall Rd.  
Fountain, CO 80817

**SUBMITTAL NO.:** 00010

**SUBMITTAL DUE:**

**PACKAGE:** n/a

**VENDOR NAME:** Air Purification

**SPECIFICATION #:** 15800

**SUBJECT:** EM Bldg - Exhaust Fans

**REVIEW DETAILS:**

<b>Review #:</b> 1	<b>Received:</b> 02/15/12	<b>Priority:</b> Normal
<b>Desc:</b> EM Bldg - Exhaust Fans	<b>Sent:</b> 02/15/12	<b>Status:</b> Open
<b>Reviewer:</b> John Jacob	<b>Returned:</b>	<b>Sepias:</b> 0
Weaver General Contractors	<b>Forwarded:</b>	<b>Prints:</b> 0

**Sent for the following action(s):**

- For Approval     
  For Distribution     
  For Your Use/Files     
  As Req'd per

**Action Needed:**

Sincerely,  
Melanie Peterson  
Kuck Mechanical Contractors  
PM Assistant  
395 W. 67th Street  
Loveland, CO 80538



# Air Purification Company

1861 West 64th Lane, Denver, Colorado 80221

Phone: 303.428.2800 • Fax: 303.428.2700

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Project:	HDT Regional WRF
Location:	Fountain
Architect:	GMS
Engineer:	GMS
Contractor:	Kuck Mechanical
Specification Section:	15800 2.2 C
Manufacturer:	PennBarry
Documents:	Submittals
Document Number:	F02.S01
Job Number:	2C011F

To avoid any lengthy delays that resubmittals may cause, please contact Ronnie Cheney at 303.704.9188 or [ronnie@airpurificationcompany.com](mailto:ronnie@airpurificationcompany.com) to work out any discrepancies or questions on the submittals.

Submitted for Approval By:

*Ronnie Cheney*

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Ronnie Cheney

Digitally signed by Ronnie Cheney  
DN: C=US,  
E=ronnie@airpurificationcompany.com,  
O=Air Purification Company, CN=Ronnie  
Cheney  
Date: 2012.02.07 11:52:39-07'00'



**Ronnie Cheney**



# Air Purification Company

1861 West 64th Lane, Denver, Colorado 80221

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Document: Equipment Notes, Schedules and Catalog Data

Spec Section: 15800 2.2 C - Exhaust fans

<u>Tag</u>	<u>Quantity</u>	<u>Model</u>	<u>Options</u>
EF-1	1	ZT	Speed controller



# AMCA License

Job Name: HDT Regional WRF

Job Notes:



Tag / Mark	Product Line	Model	Tag / Mark	Product Line	Model
EF-1	Zephyr	ZT			PENNBARRY



*PennBarry certifies that the model shown is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA publication 211 and comply with the requirements of the AMCA Certified Ratings Program.*

*Performance shown is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance shown is based on actual speed of test. Performance ratings include the effects of inlet grille and back draft damper in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: free inlet fan sone levels. The sound power level ratings shown are in decibels, referred to 10-12 watts calculated per AMCA Standard 301. Values shown are for inlet L<sub>W</sub> sound power levels for Installation Type B: free inlet, ducted outlet. Ratings do not include the effects of duct end reflection. The AMCA Certified Ratings Seal applies to air performance ratings only. The AMCA certified ratings program applies to sones and full octave band sound power levels only.*

**VARSPD DRIVE FORWARD CURVED CEILING  
 EXHAUST FAN**

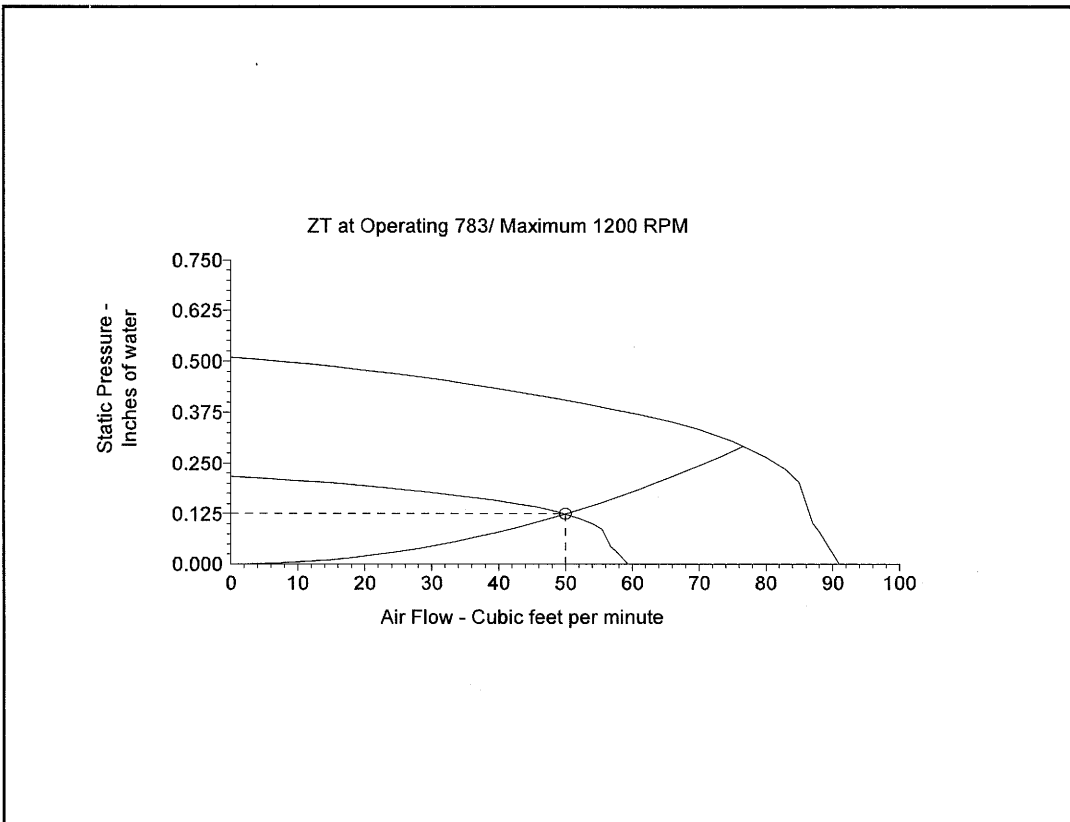
PERFORMANCE						
Qty	Model	Volume (CFM)	SP (in. w.c.)	RPM	BHP/Watts	TipSpeed
1	ZT	50	0.13	783	48.00	1,281

MOTOR INFORMATION		
Motor HP	Volt/Ph/Hz	Enclosure
0.022	115/1/60	Open

DIMENSIONS		
Damper Size (in.)	RoI Opng (in.)	Shipping Wgt. (lbs)
0X0	N/A	15



SOUND POWER (dB re 10 <sup>-12</sup> )								NC	Dba	Sones
OCTAVE POWER CENTER FREQUENCY (hz)										
63	125	250	500	1000	2000	4000	8000			
48	45	41	42	37	28	23	22	25	31	0.9



- Accessories:**
- 1) Lek-Trol Electronic Speed Controller
  - 2) Thermal Overload Protection

**VARSPD DRIVE FORWARD CURVED CEILING**

**EXHAUST FAN  
 STANDARD CONSTRUCTION**

Housing acoustically insulated galvanized \* Forward curved centrifugal blower \* Integral chatter proof backdraft damper (except Z14/15) \* Face white egg crate design grille providing 85% Free Area \* Motor continuous duty, with thermal overload protection, positively cooled, & mounted on vibration isolators \* Includes electrical disconnect "plug" (except Z14/15) to pre-wired junction box \* Fan/motor/wheel "power pack" is removable \* Corrosion resistant fasteners \*

Note: All Dimensions shown are in units of inches

