Test & Balance Report

Project: WFM NA PTL 10291

Location: 2 Somerset Street, Portland, ME 04101

Architect: Harriman Architects & Engineers

Mech. Engineer: Harriman Architects & Engineers

Gen. Contractor: CM & B

T & B Technician: Erik Milles

T & B Project Manager: Bob Barsalou

Date: 4/1/2016

Print Revision Date: 12/31/2015

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General Notes

Project:	WFM NA PTL 10291, 2 Somerset Street, Portland, ME 04101	4/1/2016
running at 101% a desired special me	d on the pub roof structure that is unaccessible without a large lad nd appears to be in good working condition. If name plate data an easures may be needed to reach the fan. readings indicate the unit is running at 95% of design and requires	d motor amperages are
dampers were insperill section.	pected to ensure they were open to allow proper airflow through	out the hood make up air
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Fan Data and Airflow Measurement Report

Project	WFM PTL Portland, ME Balancing Proposal	Technician	EM
Address	2 Somerset Street Portland, ME 04101	Date	4/1/2016
System	MUA-2		
Service	Hood-6		

	Unit Data
Manufacturer	Greenheck
Model Number	DG-112-H20-DB
Serial Number	10636488
Area Served	Pub / Pizza Areas
Location	Rooftop

Manufacturer	Maratho	on	
Horsepower	1.5	RPM	1725
3-Phase Voltage	460	FLA	2.4
Frame N/L	Correc	ted FLA	2.29
6F 1.15	Calcula	ted BHP	2.09
Actual Voltage	483		and and agreement of the Contraction of the Con-
Actual Amperage	2.3		agama ya jiwa ng jinawan nagami wa a mi

St	atic Press	ure Profi	le	
	Entering	Exiting	Pres. ∆	
Fan	0.088"	0.89"	0.803"	TSP (in.w.g.)
Coil/Fltr		0.088"	0.89"	ESP (in.w.g.)

Design and Per	forman	ce Data
Design Criteria	Design	Actual
Total Airflow	3100	2950
Fan ESP	1	0.89"
Fan RPM	680	982

Drive	Data
Motor Sheave	1VL40 -5/8"
Fan Sheave	AX54X1 - 1"
Belt(s) AX58	C to C 23 1/2

RPM Data	initial	Final
Motor RPM	1726	1726
Fan RPM	982	982

Supply / Exhaust Air		Grille Airflow Tar		Target Design Pro		Prelin	Preliminary		nal	%
No.	Area Served	Size	A _k	VEL	CFM	VEL	CFM	VEL	CFM	70
	Pub / Pizza Areas	34" x 36 1/4"	8.55	363	3100	345	2950	345	2950	95%
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	3)
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Fan Data and Airflow Measurement Report

Project WFM PTL Portland, ME Balancing Proposal	Technician EM
Address 2 Somerset Street Portland, ME 04101	Date 4/1/2016
System KEF-6	5
Service Hood-	6

Area Served	Pub / Pizza Hood
Serial Number	2391337
Model Number	NCA8FA
Manufacturer	CaptiveAire
	Unit Data

Manufacturer	Motor Da	la .	
Horsepower	3	RPM	831
3-Phase Volta	ge 460	FLA	3.9
Frame	Correc	ted FLA	
SF	Calcula	ted BHP	
Actual Voltage			
Actual Ampera	ge		and mily may be grade, a programming a pr

St	atic Press	ure Profi	le	
	Entering	Exiting	Pres. Δ	
Fan	. cara essente a constituis			TSP (in.w.g.)
Coll/Fitr				ESP (in.w.g.)

Design and Per	The Berk Collaboration Services (Services)	CONTRACTOR AND
Design Criteria	Design	Actual
Total Airflow	5060	33.104.00.00.00.00.00.00
Fan ESP	1	
Fan RPM	831	

Drive	Data
Motor Sheave	
Fan Sheave	
Belt(s)	C to C

RPM Data	Initial	Final
Motor RPM	# 7.1	
Fan RPM		Sec. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10

Suppl	y / Exhaust Air	Grille Airflow		Target	Design	Preliminary	Final	%
No.	Area Served	Size	A _k	VEL	CFM	VEL CFM	VEL CFM	70
	See Hood Page	For Airflow						
	و المراجع المراجع والمعارض والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع							
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Total

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- 1) KEF-6 is located on a raised structure above the pub that is unaccessible without an extendable ladder.
- 2)
- 3)
- 4)
- [5]

Hood Test Report

Project	WFM PTL Portland, ME Balancing Proposal	Technician EM
Address	2 Somerset Street Portland, ME 04101	Date 4/1/2016
System	KEF-6	
Service	Hood-6	

Design	Data
Exhaust Airflow (CFM)	5060
Hood Manufacturer	CaptiveAire
Associated Exhaust Fan	KEF-6

Ho	od Data
Manufacturer	CaptiveAire
Model Number	7230 NDI
Serial Number	2391337
Hood Type	Canopy
Filter Manufacturer	Captrate
Filter Height	20

Hood Airfi Intial Airflow	ow Totals 5120	1010/
CENTRAL STATE OF THE CONTRACT	5120	101%
Final Airflow	5120	101%

CONTROL OF STATE OF S	Airf	low Test I) Data	
Filter	Initial	Initial	Final	Final
Width	Velocity	CFM	Velocity	CFM
16	138	307	138	307
16	134	298	134	298
16	150	333	150	333
16	148	329	148	329
16	132	293	132	293
16	144	320	144	320
16	142	316	142	316
16	152	338	152	338
16	144	320	144	320
16	148	329	148	329
16	143	318	143	318
16	149	331	149	331
16	138	307	138	307
16	150	333	150	333
16	155	344	155	344
16	137	304	137	304