

- Submittal /Transmittal Coversheet

State Project Number and Address -

INFORMATION IN THIS SECTION TO BE FILLED OUT BY TRADE PRIOR TO SUBMISSION:		
TRADE CONTRACTOR:		
SUBMITTAL DATE:		
SPECIFICATION TITLE/NUMBER/PARA:		
SUBMITTAL TITLE:		
MATERIAL LEAD TIME:		
SUBMITTED BASIS OF DESIGN?	YES	SUBMITTED LISTED MANUFACTURER NO
INCLUDED UNDER THIS COVER: PRODUCT DATA SHOP DRAWING COLOR SELECTION/SAMPLE CTHPB (WITH COVERSHEET) CERTIFICATION/QUALIFICATION CALCULATION REPORT CLOSEOUT - OTHER -	TRADE COMMENTS:	

SECTION BELOW TO BE FILLED OUT BY O&G:	
	Review is for general arrangement only and does not release the Trade Contractor and/or supplier from responsibilities for quantities, dimensions, performance, or other requirements of the contract documents.
Document Number 230593-123-0001	O&G COMMENTS:
Revision 01	
Reviewed Nora Campo - O&G Industries, Inc. Aug 11, 2026, 4:44 PM GMT-4:00	

SECTION BELOW TO BE FILLED OUT BY OWNER/OPM, ARCHITECT AND/OR CONSULTANTS:	
ARCHITECT/ENGINEER COMMENTS & STAMPS	



Ferguson Electric Company, Inc.
112 Northwest Drive
PO Box 430
Plainville, Connecticut 06062
P: (860) 747-4566

Project: **MOG244 ACES Bassett Road**
Alterations
Connecticut

Submittal #230593-1.1 - Final Balancing Report
230593 - Testing, Adjusting, and Balancing for HVAC

Revision	1	Submittal Manager	Victoria Dogolo (Ferguson)
Status	Open	Date Created	Aug 10, 2026
Issue Date	Aug 10, 2026	Spec Section	230593 - Testing, Adjusting, and Balancing for HVAC
Responsible Contractor	Ferguson	Received From	
Received Date		Submit By	Aug 10, 2026
Final Due Date	Aug 24, 2026	Lead Time	
		Cost Code	
Location		Type	Other
Submittal Package	#43: 230593: TESTING, ADJUSTING, AND BALANCING FOR HVAC		
Approvers	General Contractor GC (General Contractor for Workflow)		
Ball in Court	General Contractor GC (General Contractor for Workflow)		
Distribution			
Description	8/10/26 Attached please find one copy of the submittal for section 230593. Please review and return one copy to Ferguson Mechanical.		

Thank you.

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					
Victoria Dogolo		Aug 10, 2026	Aug 10, 2026	Submitted	230593 - Final Balancing Report {005 SUB REV.01} 081026.pdf (Current)
General Contractor GC	Aug 10, 2026	Aug 24, 2026		Pending	



121 Broadway Street, Suite 1
Colchester, CT 06415
Office: (860) 531-9398
www.TrueflowCT.com

PROJECT:	ACES
DATE:	April 14, 2026
	UPDATED August 5, 2026
ADDRESS:	88 Bassett Rd
	North Haven, CT



TABB Technician: Keith Reynolds



121 Broadway Street, Suite 1
Colchester, CT 06415
Phone: (860) 531-9398

DOAS Fan Data: Include the following clarification in the fan data.

For the supply path, connected load is the total ventilation load to the spaces. Outside air represents the connected load plus air for ERW purging.

For the return path, the return air is the connected load (return air from spaces). The exhaust air represents the return air through the wheel plus purged air.

- DOAS-2

- o Fan data , page 9: Airflow indicated on the schedule sheet includes the future lower level outside air and exhaust air. Supply and exhaust fan should be balanced to the connected loads.

- o Airflow Distribution Data , page 10;

- ☐ Ventilation air to FCU 10-8 should be 180 CFM. Note 9 on plans

-TRUEFLOW TO REVISIT

- DOAS-3:

- o Fan data, page 13: Airflow indicated on the schedule sheet includes the future lower level outside air and exhaust air. Supply and exhaust fan should be balanced to the connected loads.

- o page 14. Missing DOAS-3 supply Airflow Distribution Data

-COMPLETED, WILL ADD TO REPORT.

- DOAS-5

- o Fan data, page 20: Airflow indicated on the schedule sheet includes the future lower level outside air and exhaust air. Supply and exhaust fan should be balanced to the connected loads.

-FUTURE/PRINT M112 DOES NOT INDICATE CFM VALUES FOR THESE RISERS

- DOAS-6

- o Fan data, page 22: Airflow indicated on the schedule sheet includes the future lower level outside air and exhaust air. Supply and exhaust fan should be balanced to the connected loads.

-FUTURE/PRINT M112 DOES NOT INDICATE CFM VALUES FOR THESE RISERS

Page 47: FCU 12-8 and 12-9: no static setpoint and fan speed setting indicated

-TRUEFLOW TO CHECK ON SITE

Fan Data page 57:

EF-15 : rebalance exhaust fan to within tolerance

-FAN IN HIGH SPEED



121 Broadway Street, Suite 1
Colchester, CT 06415
Phone: (860) 531-9398

Fan Data page 74:

EF-34 : exhaust fan exhausts more than design cfm

-CORRECTED.

Fan Data page 77:

EF-37 : exhaust fan exhausts more than 200% of design cfm

-CORRECTED.

Airflow Distribution Data: Page 82

EF-20 : airflow is significantly lower than design. Similar dryer fan (EF-21) has a better airflow data. Contractor to review.

-DESIGN ISSUE/ FAN IN HIGH SPEED.

Airflow Distribution Data: Page 86

EF-7 : 37 % more than design. rebalance to within tolerance.

-CORRECTED.

EF-44: Vent-a Kiln: exhaust is 54% less than design. Was noted no speed controls.

Vent-a-Kiln submittal had included a model FC-115 fan speed controller.

Mechanical Contractor to install speed controller. TAB contractor to rebalance

-NO CONTROLER AT TIME.

Fan data page 51 : MAU-1 and pages 52 and 53 KEF-1 and KEF-2:

Distribution Data page 86: MAU-1

Rebalance Make-up air and KEF 1 and 2 to support submitted kitchen hood airflow requirement. This change was documented during construction.

-MAU1 IS AMPERD OUT. LOW IN AIRFLOW/82% OF DESIGN. KEF-1 @ 53 HZ FOR DESIGN AIR. PROGRAMMING NEEDED? KEF-2 @ 60 Hz FOR DESIGN AIR. PROGRAMMING NEEDED?

Kitchen make-up air total CFM : 2273 CFM (10/24/24- MAU-1 reviewed submittal)

Data from submitted hood- Mechanical contractor to confirm

Hood 1: EA= 1998 CFM : Make-up 1599 CFM

Hood 1: EA= 843 CFM : Make-up 674 CFM

- SPEED UP/ HAS AMPS LEFT. TRUEFLOW TO REVISIT

Airflow Distribution Data: Page 87

FFU-9 : missing data

- TRUEFLOW TO REVISIT

FFU-5 and FFU-6: Dual outlet. Verify and confirm configuration

- TRUEFLOW TO REVISIT



121 Broadway Street, Suite 1
Colchester, CT 06415
Phone: (860) 531-9398

Hydronic Distribution Data, page 95: room 3001B is RP-9
- TYPO. CORRECTED.



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-1 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD360A4	SERIAL NUMBER:	0A364937-1-1

B OFFICES	DESIGN	ACTUAL
Total CFM	4860	4584
Connected Load	4734	
Return Air	----	----
Outside Air	5346	----
Fan RPM	----	1582
Motor Horsepower	5.0	7.5
Voltage	460-3	460-3
Operating Amperage		5.25
Suction Static Pressure		-.75"
Discharge Static Pressure		.51"
Total Static Pressure	4.55	1.26"
VFD Setpoint		54
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	213T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	7.5	Belts:	DIRECT DRIVE
Motor RPM:	1766	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	9.9		



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-1 RA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD360A4	SERIAL NUMBER:	0A364937-1-1

B OFFICES	DESIGN	ACTUAL
Total CFM	3015	3053
Connected Load	3065	
Return Air	3380	----
Outside Air	----	----
Fan RPM	----	1151
Motor Horsepower	3.0	3.0
Voltage	460-3	460-3
Operating Amperage		2.41
Suction Static Pressure		-.66"
Discharge Static Pressure		.05"
Total Static Pressure	3.30	.69"
VFD Setpoint		39 Hz
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	182T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	3.0	Belts:	DIRECT DRIVE
Motor RPM:	1770	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	4.0		



AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		DOAS-1						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
SUPPLY								
SOCIAL WORK 3047B	1	9X9	1.0	40	80	37	37	
SOCIAL WORK 3048B	2	9X9	1.0	40	75	38	38	
CORRIDOR C311B	3	12X12	1.0	150	124	154	154	
SOCIAL WORK 3049B	4	9X9	1.0	40	80	37	37	
BEHAVIOR 3050B	5	24X24	1.0	220	197	223	223	
MAKERSPACE 3052B	6	24X24	1.0	175	111	187	187	
MAKERSPACE 3052B	7	24X24	1.0	175	99	184	184	
MEDIA CENTER 3000B	8	24X24	1.0	150	133	148	148	
MEDIA CENTER 3000B	9	24X24	1.0	150	138	152	152	
FCU5-1	10	6" ROUND	.19	40	130	200	38	
FCU5-2	11	6" ROUND	.19	40	35	195	37	
SOCIAL WORK 3046B	12	9X9	1.0	40	80	39	39	
MINDFULLNESS 3045B	13	12X12	1.0	100	143	104	104	
BEHAVIOR 3044B	14	12X12	1.0	170	147	166	166	
SPEECH 3042B	15	12X12	1.0	120	137	115	115	
CONF 3043B	16	12X12	1.0	100	93	104	104	
FCU5-3	17	20X10	1.39	494	675	344	478	
BEHAVIOR 3036B	18	12X12	1.0	160	114	152	152	
SENSORY 3051B	19	12X12	1.0	160	210	150	150	
STOR 3053B	20	9X9	1.0	40	73	37	37	
UNISEX 3040B	21	9X9	1.0	50	56	47	47	
UNISEX 3039B	22	9X9	1.0	50	47	46	46	
RECEPTION 2061B	23	9X9	1.0	50	35	51	51	
WAITING 2062B	24	9X9	1.0	60	43	58	58	
MAIL/COPY 2063B	25	12X12	1.0	80	72	78	78	
WOMEN 2064B	26	10X10	1.0	40	60	39	39	
MEN 2065B	27	10X10	1.0	40	51	37	37	
CORR C208B	28	12X12	1.0	150	97	139	139	
TESTING 2066B	29	12X12	1.0	170	113	158	158	
FAMILY 2067B	30	12X12	1.0	160	121	146	146	
FCU4-1	31	4" ROUND	.087	25	36	264	23	
VESTIBULE 2000B	32	12X8	1.0	100	99	92	92	
				3579	3704		3494	
				(CONT'D)				

[illegible]

[illegible]



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-2 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD360A4	SERIAL NUMBER:	0A364937-2-1

B CLASSROOMS	DESIGN	ACTUAL
Total CFM	4865	3907
Connected Load	3900	
Return Air	----	----
Outside Air	5335	3850
Fan RPM	----	----
Motor Horsepower	7.5	7.5
Voltage	460-3	460-3
Operating Amperage		8.6
Suction Static Pressure		-.98"
Discharge Static Pressure		.42"
Total Static Pressure	5.05	1.40"
VFD Setpoint		52 Hz
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	213T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	7.5	Belts:	DIRECT DRIVE
Motor RPM:	1766	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	9.9		



ACES
June 12, 2026

FAN DATA

FAN NUMBER:	DOAS-2 RA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD360A4	SERIAL NUMBER:	0A364937-2-1

B CLASSROOMS	DESIGN	ACTUAL
Total CFM	2955	3358
Connected Load	2140	
Return Air	3425	2317
Outside Air	----	----
Fan RPM	----	950
Motor Horsepower	3.0	3.0
Voltage	460-3	460-3
Operating Amperage		2.9
Suction Static Pressure		-.56"
Discharge Static Pressure		.10"
Total Static Pressure	3.29	.66"
VFD Setpoint		32 Hz
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	182T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	3.0	Belts:	DIRECT DRIVE
Motor RPM:	1770	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	4.0		

[illegible]

[illegible]



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-3 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD264D4	SERIAL NUMBER:	OA364937-3-1

B CLASSROOMS	DESIGN	ACTUAL
Total CFM	4070	3592
Connected Load	3745	
Return Air	----	----
Outside Air	4396	3592
Fan RPM	----	----
Motor Horsepower	5.0	7.5
Voltage	460-3	460-3
Operating Amperage		4.72
Suction Static Pressure		-1.03"
Discharge Static Pressure		.36"
Total Static Pressure	4.42	1.39"
VFD Setpoint		50 Hz
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	213T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	7.5	Belts:	DIRECT DRIVE
Motor RPM:	1766	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	9.9		



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-3 RA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD264D4	SERIAL NUMBER:	OA364937-3-1

B CLASSROOMS	DESIGN	ACTUAL
Total CFM	3471	2870
Connected Load	2790	
Return Air	3065	2870
Outside Air	----	----
Fan RPM	----	----
Motor Horsepower	3.0	5.0
Voltage	460-3	460-3
Operating Amperage		3.58
Suction Static Pressure		-1.31"
Discharge Static Pressure		.06"
Total Static Pressure	3.47	1.37"
VFD Setpoint		50 Hz
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	BALDOR	Fan Sheave:	DIRECT DRIVE
Frame:	184T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	5.0	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	6.60		

[illegible]

[illegible]



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-4 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD300D4	SERIAL NUMBER:	OA364937-3-1

A CLASSROOMS	DESIGN	ACTUAL
Total CFM	4500/FUTURE	3026
Connected Load	2950	
Return Air	----	----
Outside Air	4976	3026
Fan RPM	----	DIRECT DRIVE
Motor Horsepower	5.0	5.0
Voltage	460-3	460-3
Operating Amperage		3.64
Suction Static Pressure		.50"
Discharge Static Pressure		.35"
Total Static Pressure	4.49	.85"
VFD Setpoint		39 Hz
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	213T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	7.5	Belts:	DIRECT DRIVE
Motor RPM:	1766	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	9.9		



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-4 RA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD300D4	SERIAL NUMBER:	OA364937-3-1

A CLASSROOMS	DESIGN	ACTUAL
Total CFM	3896/FUTURE	2366
Connected Load	2340	
Return Air	3420	2366
Outside Air	----	----
Fan RPM	----	DIRECT DRIVE
Motor Horsepower	5.0	5.0
Voltage	460-3	460-3
Operating Amperage		2.10
Suction Static Pressure		.45"
Discharge Static Pressure		.025"
Total Static Pressure	3.38	.475"
VFD Setpoint		29 Hz
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	BALDOR	Fan Sheave:	DIRECT DRIVE
Frame:	186T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	5.0	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	6.60		



ACES
April 14, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		DOAS-4						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
SUPPLY								
CLASSRM 3009A	1	24X24	1.0	175	348	173	173	
CLASSRM 3009A	2	24X24	1.0	175	347	178	178	
CORR C304A	3	12X12	1.0	175	212	185	185	
CLASSRM 3013A	4	24X24	1.0	175	236	174	174	
CLASSRM 3013A	5	24X24	1.0	175	266	176	176	
CLASSRM 2025A	6	24X24	1.0	200	291	204	204	
CLASSRM 2025A	7	24X24	1.0	200	346	202	202	
CLASSRM 3015A	8	24X24	1.0	175	366	177	177	
CLASSRM 3015A	9	24X24	1.0	175	291	188	188	
CLASSRM 3017A	10	24X24	1.0	175	362	185	185	
CLASSRM 3017A	11	24X24	1.0	175	235	191	191	
CLASSRM 2027A	12	24X24	1.0	200	96	204	204	
CLASSRM 2027A	13	24X24	1.0	200	328	206	206	
CLASSRM 2019A	14	24X24	1.0	200	77	200	200	
CLASSRM 2019A	15	24X24	1.0	200	49	204	204	
CORR C202A	16	12X12	1.0	175	361	179	179	
				2950	4211		3026	
RETURN								
CLASSRM 3009A	1	24X24	1.0	315	992	322	322	
CLASSRM 2019A	2	24X24	1.0	310	98	323	323	
CLASSRM 3013A	3	12X12	1.0	315	85	307	307	
UNISEX 2019.1A	4	6X6	1.0	50	238	48	48	
CLASSRM 3015A	5	24X24	1.0	315	815	320	320	
CLASSRM 2025A	6	24X24	1.0	310	551	297	297	
UNISEX 2051.1A	7	6X6	1.0	50	107	51	51	
UNISEX 2027.1A	8	6X6	1.0	50	35	50	50	
CLASSRM 3017A	9	24X24	1.0	315	724	328	328	
CLASSRM 2027A	10	24X24	1.0	310	650	320	320	
				2340	4295		2366	



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-5 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD264D4	SERIAL NUMBER:	OA364937-5-1

A CLASSROOMS	DESIGN	ACTUAL
Total CFM	4175/FUTURE	2772
Connected Load	2800	
Return Air	----	----
Outside Air	4578	2772
Fan RPM	----	DIRECT DRIVE
Motor Horsepower	5.0	7.5
Voltage	460-3	460-3
Operating Amperage		3.85
Suction Static Pressure		.32"
Discharge Static Pressure		.65"
Total Static Pressure	4.53	.97"
VFD Setpoint		41 Hz
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	213T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	7.5	Belts:	DIRECT DRIVE
Motor RPM:	1766	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	9.9		



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-5 RA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAKD264D4	SERIAL NUMBER:	OA364937-5-1

A CLASSROOMS	DESIGN	ACTUAL
Total CFM	3898/FUTURE	2371
Connected Load	2340	
Return Air	3420	2371
Outside Air	----	----
Fan RPM	----	DIRECT DRIVE
Motor Horsepower	5.0	5.0
Voltage	460-3	460-3
Operating Amperage		2.29
Suction Static Pressure		.59"
Discharge Static Pressure		.04"
Total Static Pressure	3.38	.63"
VFD Setpoint		32 Hz
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	186T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	5.0	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	6.60		



ACES
April 14, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		DOAS-5						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
SUPPLY								
CLASSRM 3025A	1	24X24	1.0	175	283	179	179	
CLASSRM 3025A	2	24X24	1.0	175	138	173	173	
CLASSRM 2053A	3	24X24	1.0	200	233	188	188	
CLASSRM 2053A	4	24X24	1.0	200	248	182	182	
STOR 2052A	5	6" ROUND	.19	25	0	23	23	
CLASSRM 3023A	6	24X24	1.0	175	365	183	183	
CLASSRM 3023A	7	24X24	1.0	175	216	174	174	
CLASSRM 3021A	8	24X24	1.0	175	230	180	180	
CLASSRM 3021A	9	24X24	1.0	175	237	186	186	
CLASSRM 2047A	10	24X24	1.0	200	293	187	187	
CLASSRM 2047A	11	24X24	1.0	200	73	185	185	
CORR C305A	12	12X12	1.0	175	210	186	186	
CLASSRM 3019A	13	24X24	1.0	175	320	177	177	
CLASSRM 3019A	14	24X24	1.0	175	202	183	183	
CLASSRM 2045A	15	24X24	1.0	200	321	194	194	
CLASSRM 2045A	16	24X24	1.0	200	34	192	192	
				2800	3403		2772	
RETURN								
CLASSRM 3025A	1	24X24	1.0	315	432	326	326	
CLASSRM 2053A	2	24X24	1.0	310	434	324	324	
CLASSRM 2047A	3	24X24	1.0	315	542	322	322	
CLASSRM 2047A	4	24X24	1.0	310	104	313	313	
UNISEX 2053.1A	5	6X6	1.0	50	146	52	52	
UNISEX 2047.1A	6	6X6	1.0	50	165	47	47	
CLASSRM 3021A	7	24X24	1.0	315	466	317	317	
UNISEX 2045.1A	8	6X6	1.0	50	171	54	54	
CLASSRM 3019A	9	24X24	1.0	315	365	307	307	
CLASSRM 2045A	10	24X24	1.0	310	572	309	309	
				2340	3397		2371	



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-6 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OADG017F3	SERIAL NUMBER:	OA364937-6-1

TLT 3 RD , 2 ND & 1 ST	DESIGN	ACTUAL
Total CFM	2910/FUTURE	1627
Connected Load	1650	
Return Air	----	----
Outside Air	3189	1628
Fan RPM	----	DIRECT DRIVE
Motor Horsepower	3.0	3.0
Voltage	460-3	460-3
Operating Amperage		1.8
Suction Static Pressure		-.305"
Discharge Static Pressure		.236"
Total Static Pressure	3.70	.54"
VFD Setpoint		31 Hz
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	182T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	3.0	Belts:	DIRECT DRIVE
Motor RPM:	1770	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	4.0		



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-6 RA	MANUFACTURER:	TRANE
MODEL NUMBER:	OADG017F3	SERIAL NUMBER:	OA364937-6-1

TLT 3 RD , 2 ND & 1 ST	DESIGN	ACTUAL
Total CFM	2979/FUTURE	1586
Connected Load	1500	
Return Air	1500	1586
Outside Air	----	----
Fan RPM	NOT LISTED	DIRECT DRIVE
Motor Horsepower	3.0	3.0
Voltage	460-3	460-3
Operating Amperage		1.8
Suction Static Pressure		-.52"
Discharge Static Pressure		.04"
Total Static Pressure	2.91	.56"
VFD Setpoint		28 Hz
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	182T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	3.0	Belts:	DIRECT DRIVE
Motor RPM:	1770	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	4.0		

[illegible]

[illegible]



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-7 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAND540D4	SERIAL NUMBER:	OA364937-7-1

C CLASSROOM	DESIGN	ACTUAL
Total CFM	7015	7060
Connected Load	7015	
Return Air	----	----
Outside Air	7449	7060
Fan RPM	NOT LISTED	DIRECT DRIVE
Motor Horsepower	10.0	10.0
Voltage	460-3	460-3
Operating Amperage		8.7
Suction Static Pressure		-.24"
Discharge Static Pressure		.83"
Total Static Pressure	NOT LISTED	1.07"
VFD Setpoint		63 Hz
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	215T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	10.0	Belts:	DIRECT DRIVE
Motor RPM:	1768	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	12.7		



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-7 RA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAND540D4	SERIAL NUMBER:	OA364937-7-1

C CLASSROOM	DESIGN	ACTUAL
Total CFM	4670	4297
Connected Load	4210	
Return Air	4110	4297
Outside Air	----	----
Fan RPM	NOT LISTED	DIRECT DRIVE
Motor Horsepower	5.0	5.0
Voltage	460-3	460-3
Operating Amperage		2.75
Suction Static Pressure		-.43"
Discharge Static Pressure		.04"
Total Static Pressure	NOT LISTED	.47"
VFD Setpoint		31 Hz
Min. O.A. Position		----

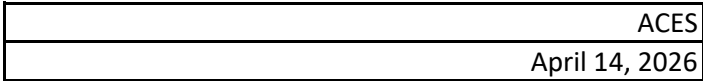
MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	BALDOR	Fan Sheave:	DIRECT DRIVE
Frame:	184T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	5.0	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	6.6		



ACES
April 14, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		DOAS-7						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
SUPPLY								
MOCK GROCERY 308C	1	24X24	1.0	245	209	243	243	
MOCK GROCERY 308C	2	24X24	1.0	245	255	250	250	
FCU21-7	3	8" ROUND	.35	30	302	131	32	
GIRLS 3085C	4	12X12	1.0	120	154	122	122	
WOMEN TLT 2113C	5	12X12	1.0	120	110	115	115	
DENTAL 3082.C2	6	12X12	1.0	125	104	128	128	
MEDICAL 3082.C1	7	12X12	1.0	125	65	123	123	
RECEPTION 3082C	8	12X12	1.0	50	68	54	54	
RECEPTION 3081C	9	12X12	1.0	50	91	51	51	
STOR 2110C	10	10X8	.42	100	78	257	107	
MAINT SHOP 2109C	11	12X8	.50	175	100	220	189	
MAINT OFF 2108C	12	9X9	1.0	50	44	55	55	
CORR C217C	13	12X12	1.0	250	95	267	267	
FAM/UNI 2114C	14	9X9	1.0	40	45	43	43	
HAIR 3081.2C	15	12X12	1.0	125	103	126	126	
NAISL 3081.1C	16	12X12	1.0	125	79	124	124	
UNASSIGNED 3080C	17	24X24	1.0	250	92	256	256	
INT WORK 2107C	18	24X24	1.0	225	132	248	248	
INT WORK 2107C	19	24X24	1.0	225	131	241	241	
BOYS LOCKER 2106C	20	24X24	1.0	175	264	163	163	
PRE VOC 3079C	21	24X24	.19	245	246	250	250	
PRE VOC 3079C	22	24X24	1.0	245	233	257	257	
OT/PT OFF 2104C	23	24X24	1.0	200	146	193	193	
GIRLS LOCKER 2105C	24	24X24	1.0	175	33	186	186	
CORR C217C	25	24X24	1.0	300	218	306	306	
INT WORK 3078C	26	24X24	1.0	245	241	254	254	
INT WORK 3078C	27	24X24	1.0	245	213	243	243	
CORR C317C	28	12X12	1.0	300	145	297	297	
OT/PT OFF 2104C	29	24X24	1.0	200	132	199	199	
UNISEX 9-12 2102.1C	30	9X9	1.0	80	39	76	76	
STOR 2102.2C	31	9X9	1.0	40	48	38	38	
CHAIR STOR 2103C	32	9X9	1.0	40	41	43	43	
				5165	4256		5279	
				(CONT'D)				

[illegible]

[illegible]



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-8 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAND600D4	SERIAL NUMBER:	OA364937-8-1

C CLASSROOM	DESIGN	ACTUAL
Total CFM	7620	7743
Connected Load	7620	
Return Air	----	----
Outside Air	8399	7511
Fan RPM	----	DIRECT DRIVE
Motor Horsepower	10.0	10.0
Voltage	460-3	460-3
Operating Amperage		9.37
Suction Static Pressure		-.25"
Discharge Static Pressure		.21"
Total Static Pressure	4.80	.46"
VFD Setpoint		67 Hz
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	LEESON	Fan Sheave:	DIRECT DRIVE
Frame:	215T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	10.0	Belts:	DIRECT DRIVE
Motor RPM:	1768	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	12.7		



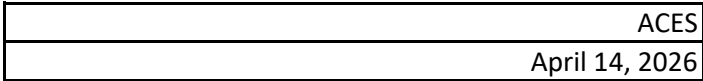
ACES
April 14, 2026

FAN DATA

FAN NUMBER:	DOAS-8 RA	MANUFACTURER:	TRANE
MODEL NUMBER:	OAND600D4	SERIAL NUMBER:	OA364937-8-1

C CLASSROOM	DESIGN	ACTUAL
Total CFM	4670	4815
Connected Load	4625	
Return Air	4110	4815
Outside Air	----	----
Fan RPM	----	DIRECT DRIVE
Motor Horsepower	5.0	5.0
Voltage	460-3	460-3
Operating Amperage		3.1
Suction Static Pressure		-.55"
Discharge Static Pressure		.02"
Total Static Pressure	3.11"	.57"
VFD Setpoint		34 Hz
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	BALDOR	Fan Sheave:	DIRECT DRIVE
Frame:	184T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	5.0	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	6.60		

[illegible]



ACES
April 14, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		DOAS-8						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
SUPPLY								
CORR C214C	24	24X24	1.0	300	148	316	316	
OFF 2095C	25	9X9	1.0	50	64	51	51	
FCU18-3	26	14X6	.58	180	127	300	300	
OFFICE 2095.1C	27	9X9	1.0	50	62	46	46	
RECEUVUBG 2087C	28	9X9	1.0	50	55	53	53	
DRY STOR 20090C	29	9X9	1.0	40	61	44	44	
SPEECH THER 2096C	30	15X15	1.0	200	177	189	189	
OFF 2095.2C	31	9X9	1.0	50	62	46	46	
OFF 2095.3C	32	9X9	1.0	50	71	52	52	
OFF 2095.4C	33	9X9	1.0	50	55	52	52	
LAUNDRY 3074C	34	24X24	1.0	200	237	193	193	
UNISEX 3070.1C	35	9X9	1.0	80	89	87	87	
LIVING SKILLS 3070C	36	24X24	1.0	185	223	183	183	
OFF 2095.9C	37	9X9	1.0	50	57	45	45	
OFF 2095.8C	38	9X9	1.0	50	55	52	52	
OFF 2095.7C	39	9X9	1.0	50	68	45	45	
SPEECH 2096C	40	12X12	1.0	200	0	186	186	
OFF 2095.6C	41	9X9	1.0	50	54	50	50	
OFF 2095.5C	42	9X9	1.0	50	55	46	46	
UNISEX 3075.1C	43	9X9	1.0	80	72	86	86	
LIVING SKILLS 3075C	44	24X24	1.0	185	208	199	199	
LIVING SKILLS 3075C	45	24X24	1.0	185	276	193	193	
FCU19-6	46	8" ROUND	.35	130	177	121	121	
FITNESS RM 2099C	47	24X24	1.0	250	188	235	235	
FITNESS RM 2099C	48	24X24	1.0	250	133	232	232	
STOR 2098C	49	12X12	1.0	100	134	94	94	
STOR 2097.2C	50	12X12	1.0	20	84	21	21	
ART THERAPY 2097C	51	24X24	1.0	200	33	207	207	
ART THERAPY 2097C	52	24X24	1.0	200	177	200	200	
				3535	3202		3624	
TOTAL	1	----	----	7620	6702	----	7743	

[illegible]



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	RTU-1 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	QADG012F3	SERIAL NUMBER:	0A364937-9-1

CAFE	DESIGN	ACTUAL
Total CFM	4630	4737
Connected Load	4730	
Return Air	----	----
Outside Air	300	721
Fan RPM	NOT LISTED	N/A
Motor Horsepower	7.5	7.5
Voltage	460-3	460-3
Operating Amperage		7.43
Suction Static Pressure		-2.01"
Discharge Static Pressure		.89"
Total Static Pressure	NOT LISTED	2.90"
VFD Setpoint		75%
Min. O.A. Position		5%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	213T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	7.5	Belts:	DIRECT DRIVE
Motor RPM:	1766	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	9.9		

NOTE: EVEN AT 0% DAMPER, WE HAD AROUND 700 CFM OA.



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	RTU-1 EXH	MANUFACTURER:	TRANE
MODEL NUMBER:	K10	SERIAL NUMBER:	

	DESIGN	ACTUAL
Total CFM	4160	3956
Connected Load	4000	
Return Air	----	----
Outside Air	----	----
Fan RPM	NOT LISTED	N/A
Motor Horsepower	50	5.0
Voltage	460-3	460-3
Operating Amperage		3.64
Suction Static Pressure		-1.16"
Discharge Static Pressure		.02
Total Static Pressure	NOT LISTED	1.18"
VFD Setpoint		55%
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	184T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	5.0	Belts:	DIRECT DRIVE
Motor RPM:	1765	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	6.6		

[illegible]



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	RTU-2 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	QADG017C3	SERIAL NUMBER:	0A364937-10-1

GYM	DESIGN	ACTUAL
Total CFM	6000	6114
Connected Load	6000	
Return Air	----	----
Outside Air	760	716
Fan RPM	NOT LISTED	N/A
Motor Horsepower	7.5	7.5
Voltage	460-3	460-3
Operating Amperage		9.3
Suction Static Pressure		-1.75"
Discharge Static Pressure		.73"
Total Static Pressure	NOT LISTED	2.48"
VFD Setpoint		100%
Min. O.A. Position		5%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	213T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	7.5	Belts:	DIRECT DRIVE
Motor RPM:	1766	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	9.9		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	RTU-2 EX	MANUFACTURER:	TRANE
MODEL NUMBER:		SERIAL NUMBER:	

GYM	DESIGN	ACTUAL
Total CFM	5400	5718
Connected Load	5400	
Return Air	----	----
Outside Air	----	----
Fan RPM	NOT LISTED	N/A
Motor Horsepower	5.0	5.0
Voltage	460-3	460-3
Operating Amperage		1.98
Suction Static Pressure		-.003"
Discharge Static Pressure		.002"
Total Static Pressure	NOT LISTED	.005"
VFD Setpoint		30%
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	184T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	5.0	Belts:	DIRECT DRIVE
Motor RPM:	1765	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	6.6		

[illegible]



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	RTU-3 SA	MANUFACTURER:	TRANE
MODEL NUMBER:	OADG010C3	SERIAL NUMBER:	0A364937-11-1

LOBBY	DESIGN	ACTUAL
Total CFM	3300	3297
Connected Load	3140	
Return Air	----	----
Outside Air	300	562
Fan RPM	NOT LISTED	N/A
Motor Horsepower	3.0	3.0
Voltage	460-3	460-3
Operating Amperage		3.40
Suction Static Pressure		-.95"
Discharge Static Pressure		.64"
Total Static Pressure	NOT LISTED	1.59"
VFD Setpoint		85%
Min. O.A. Position		5%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	182T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	3.0	Belts:	DIRECT DRIVE
Motor RPM:	1770	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	4.0		

NOTE: DAMPER IS UNABLE TO CLOSE ANY MORE.



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	RTU-3 EX	MANUFACTURER:	TRANE
MODEL NUMBER:	D010	SERIAL NUMBER:	

LOBBY	DESIGN	ACTUAL
Total CFM	2970	2291
Connected Load	2290	
Return Air	----	----
Outside Air	----	----
Fan RPM	NOT LISTED	N/A
Motor Horsepower	1.5	1.0
Voltage	460	460-3
Operating Amperage		1.20
Suction Static Pressure		-.16"
Discharge Static Pressure		.01"
Total Static Pressure	NOT LISTED	.17"
VFD Setpoint		50%
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	MARATHON	Fan Sheave:	DIRECT DRIVE
Frame:	145T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.0	Belts:	DIRECT DRIVE
Motor RPM:	1450	Sheave Position:	DIRECT DRIVE
Voltage:	460-3		
Full Load Amperage:	2.4		

[illegible]



ACES
March 20, 2026

AIRFLOW DISTRIBUTION DATA

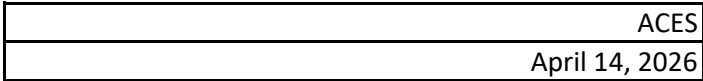
FAN NUMBER:		FCU'S						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
FCU 18-3								STATIC SP .28
CUST 2084C	1	9X9	1.0	40	72	41	41	SPEED 4
STAFF 2092C	2	9X9	1.0	40	86	42	42	
OFF 2093C	3	24X24	1.0	125	146	125	125	
CART STOR 2091C	4	9X9	1.0	95	74	88	88	
				300	378		296	
FCU 19-6								STATIC SP 2.0
C217C	1	12X12	1.0	111	140	103	103	SPEED 4
ATHLETIC 2100C	2	24X24	1.0	130	146	127	127	
ATHLETIC 2100C	3	24X24	1.0	130	134	130	130	
				371	420		360	
FCU 22-3								STATIC SP 2.0
GIRLS LOCKER 2105C	1	24X24	1.0	200	195	205	205	SPEED 4
GIRLS LOCKER 2105C	2	24X24	1.0	171	193	173	173	
				371	388		378	
FCU 22-4								STATIC SP .20
BOYS LOCKER 2106C	1	24X24	1.0	200	179	192	192	SPEED 4
BOYS LOCKER 2106C	2	24X24	1.0	171	192	171	171	
				371	371		363	
FCU 16-1								STATIC SP .20
RESOURCE 3063C	1	24X24	1.0	247	264	244	244	SPEED 4
RESOURCE 3063C	2	24X24	1.0	247	229	251	251	
				494	493		495	
FCU 16-2								STATIC SP .14
INCENTIVE 3069C	1	24X24	1.0	247	277	243	243	SPEED 4
INCENTIVE 3069C	2	24X24	1.0	247	295	268	268	
				494	572		511	



ACES
March 20, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		FCU'S						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
FCU 10-8								STATIC SP .20
BEHAVIOR 2016B	1	24X24	1.0	185	291	180	180	SPEED 4
BEHAVIOR 2016B	2	24X24	1.0	186	31	187	187	
				371	322		367	
FCU 10-9								STATIC SP .20
WORK RM 2018B	1	24X24	1.0	300	308	308	308	SPEED 4
FCU 7-1								STATIC SP .20
ISO 2007B	1	15X15	1.0	250	313	263	263	SPEED 2
TLT 2008B	2	9X9	1.0	50	88	53	53	
				300	401		316	
FCU 7-4								STATIC SP .20
NURSE 2004B	1	24X24	1.0	200	249	206	206	SPEED 4
NURSE 2004B	2	9X9	1.0	100	88	107	107	
				300	337		313	
FCU 3-1								STATIC SP .20
FILE RM 2077B	1	12X12	1.0	125	117	117	117	SPEED 4
FILE RM 2071B1	2	12X12	1.0	125	121	121	121	
STORAGE 2071B	3	12X12	1.0	121	119	119	119	
				371	357		357	
2077B	R1	8X8	1.0	93	42	62	62	
2071.B1	R2	8X8	1.0	93	71	64	64	
2071B	R3	8X8	1.0	90	75	55	55	
				276	188		181	

[illegible]



ACES
April 14, 2026

AIRFLOW DISTRIBUTION DATA

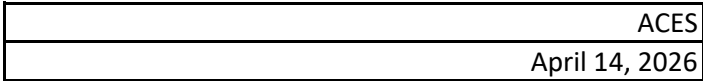
FAN NUMBER:		FCU'S						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
FCU 10-3								STATIC SP .20
SECLUSION 3006.1B	1	12X12	1.0	150	150	150	150	SPEED 4
ANTE 3006B	2	24X24	1.0	150	159	159	159	
				300	309		309	
SECLUSION 3006.1B	R1	12X12	1.0	120	75	123	123	
ANTE 3006B	R2	12X12	1.0	120	89	119	119	
				240	164		242	
FCU 10-4								STATIC SP .20
WORK RM 3008B	1	15X15	1.0	300	338	301	301	SPEED 4
FCU 10-5								STATIC SP .14
LEAD 2057B	1	24X24	1.0	247	310	253	253	SPEED 3
FCU 10-6								STATIC SP .14
ANTE 2014B	1	12X12	1.0	150	89	149	149	SPEED 4
SECLUSION 2014.1B	2	12X12	1.0	150	234	137	137	
				300	323		286	
ANTE 2014B	R1	22X10	1.0	120	110	110	110	
SECLUSION 2014.1B	R2	12X12	1.0	120	107	109	109	
				240	217		219	
FCU 10-7								STATIC SP .20
SECLUSION 2055.1B	1	12X12	1.0	150	98	153	153	SPEED 4
ANTE 2055B	2	12X12	1.0	150	154	145	145	
				300	252		298	
SECLUSION 2055.1B	R1	22X10	1.0	120	98	118	118	
ANTE 2055B	R2	12X12	1.0	120	106	123	123	
				240	204		241	



ACES
March 20, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		FCU'S						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
FCU 3-3								STATIC SP .20
PRINCIPAL 2075B	1	24X24	1.0	331	299	317	317	HIGH SPEED
UNISEX 2075.1B	2	9X9	1.0	40	86	43	43	
				371	385		360	
FCU 4-2; NOTE							(HIGH)	(LOW)
VEST 2000B	1	24X24	1.0	350	415	385	385	288
VEST 2000B	2	24X24	1.0	321	125	365	365	273
				671	540		750	561
FCU 4-3; NOTE							(HIGH)	(LOW)
VEST 2000B	1	24X24	1.0	350	357	381	381	290
VEST 2000B	2	24X24	1.0	321	288	352	352	266
				671	645		733	556
FCU 16-3								STATIC SP .20
STAFF 2081C	1	24X24	1.0	247	30	251	251	SPEED 4
STAFF 2081C	2	24X24	1.0	247	359	244	244	
				494	389		495	
FCU 16-4								STATIC SP .14
KIT/SERV 2082C	1	12X12	1.0	241	68	263	263	SPEED 4
KIT/SERV 2082C	2	12X12	1.0	242	72	264	264	
KIT/SERV 2082C	3	12X12	1.0	200	73	202	202	
KIT/SERV 2082C	4	12X12	1.0	200	64	211	211	
				883	277		940	
FCU 16-5								STATIC SP .28
RECEIVING 2087C	1	15X15	1.0	371	315	362	362	HIGH SPEED
	NOTE: NO S.P SETTINGS ON THIS MODEL							

[illegible]



ACES
April 14, 2026

FAN DATA

FAN NUMBER:	MAU-1	MANUFACTURER:	CAPTIVE AIRE
MODEL NUMBER:	CAS-HVAC1-I200	SERIAL NUMBER:	

	DESIGN	ACTUAL
Total CFM	2020	1877
Connected Load	2273	
Return Air	----	----
Outside Air	2020	1877
Fan RPM	1755	1585
Motor Horsepower	3.0	3.0
Voltage	460-3	460-3
Operating Amperage		4.7
Suction Static Pressure		-.72"
Discharge Static Pressure		.51"
Total Static Pressure	----	1.23"
VFD Setpoint		54.2
Min. O.A. Position		100%

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	TECO	Fan Sheave:	DIRECT DRIVE
Frame:	182T	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	3.0	Belts:	DIRECT DRIVE
Motor RPM:	1755	Sheave Position:	DIRECT DRIVE
Voltage:	460		
Full Load Amperage:	4.3		

NOTE: MAU-1 IS AMPED OUT



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	KEF-1	MANUFACTURER:	COOK
MODEL NUMBER:	245VX11D	SERIAL NUMBER:	0020301

KITCHEN HOOD	DESIGN	ACTUAL
Total CFM	1998	1960
Connected Load	1998	
Return Air	----	----
Outside Air	----	----
Fan RPM	1017	100%
Motor Horsepower	1.50	1.50
Voltage	208-1	208-3
Operating Amperage		4.90
Suction Static Pressure		N/A
Discharge Static Pressure		N/A
Total Static Pressure	----	N/A
VFD Setpoint		53 Hz
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	TECO	Fan Sheave:	DIRECT DRIVE
Frame:	182TC	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.50	Belts:	DIRECT DRIVE
Motor RPM:	1170	Sheave Position:	DIRECT DRIVE
Voltage:	230-3		
Full Load Amperage:	5.84		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	KEF-2	MANUFACTURER:	COOK
MODEL NUMBER:	165VX280	SERIAL NUMBER:	0022001

KITCHEN HOOD	DESIGN	ACTUAL
Total CFM	843	878
Connected Load	843	
Return Air	----	----
Outside Air	----	----
Fan RPM	1559	100%
Motor Horsepower	1.0	1.0
Voltage	208-1	208-1
Operating Amperage		5.5
Suction Static Pressure		N/A
Discharge Static Pressure		N/A
Total Static Pressure	----	N/A
VFD Setpoint		POD SET
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US MOTORS	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.0	Belts:	DIRECT DRIVE
Motor RPM:	350-2800	Sheave Position:	DIRECT DRIVE
Voltage:	208-1		
Full Load Amperage:	6.60		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-12	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140PL38772

STAFF 2092; CUST 2084C	DESIGN	ACTUAL
Total CFM	100	103
Connected Load	100	
Return Air	----	----
Outside Air	----	----
Fan RPM	1169	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-13	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140PL22946

STAFF LOUNGE 2081C	DESIGN	ACTUAL
Total CFM	150	151
Connected Load	150	
Return Air	----	----
Outside Air	----	----
Fan RPM	1185	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-14	MANUFACTURER:	COOK
MODEL NUMBER:	100C17DEC	SERIAL NUMBER:	140SL22946

MENS TLT 2079C	DESIGN	ACTUAL
Total CFM	350	360
Connected Load	350	
Return Air	----	----
Outside Air	----	----
Fan RPM	1244	DIRECT DRIVE
Motor Horsepower	¼	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	3.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-15	MANUFACTURER:	COOK
MODEL NUMBER:	100C17DEC	SERIAL NUMBER:	140SL22946

WMN TLT 2113C	DESIGN	ACTUAL
Total CFM	300	262
Connected Load	300	
Return Air	----	----
Outside Air	----	----
Fan RPM	1195	DIRECT DRIVE
Motor Horsepower	¼	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1	POT. HIGH	
Full Load Amperage:	3.4		

*NOTE: FAN IN HIGH SPEED



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-16	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140PL22946

STOR 3060C, 3061C	DESIGN	ACTUAL
Total CFM	150	150
Connected Load	150	
Return Air	----	----
Outside Air	----	----
Fan RPM	1185	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1	POT. HIGH	
Full Load Amperage:	2.36		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-17	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140PL22946

STAFF M 3057C, STAFF W 3058C	DESIGN	ACTUAL
Total CFM	100	98
Connected Load	100	
Return Air	----	----
Outside Air	----	----
Fan RPM	1169	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
June 12, 2026

FAN DATA

FAN NUMBER:	EF-18	MANUFACTURER:	COOK
MODEL NUMBER:	101R28D	SERIAL NUMBER:	031004601

LIVING SKILLS APT 3062C	DESIGN	ACTUAL
Total CFM	500	462
Connected Load	500	
Return Air	---	----
Outside Air	---	----
Fan RPM	2800	2100
Motor Horsepower	1.0	1.0
Voltage	115-1	115-1
Operating Amperage		8.9
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		----
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US MOTORS	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.0	Belts:	DIRECT DRIVE
Motor RPM:	350-2800	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	10.41		



ACES
June 12, 2026

FAN DATA

FAN NUMBER:	EF-19	MANUFACTURER:	COOK
MODEL NUMBER:	100r28d	SERIAL NUMBER:	031005901

LIVING SKILLS APT 3070C	DESIGN	ACTUAL
Total CFM	500	457
Connected Load	500	
Return Air	----	----
Outside Air	----	----
Fan RPM	2800	2100
Motor Horsepower	1.0	1.0
Voltage	115-1	115-1
Operating Amperage		9.5
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		----
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US MOTORS	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.0	Belts:	DIRECT DRIVE
Motor RPM:	350-2800	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	10.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-22	MANUFACTURER:	COOK
MODEL NUMBER:	101C17DEC	SERIAL NUMBER:	140SL22946

ART THERAPY 2097C	DESIGN	ACTUAL
Total CFM	500	495
Connected Load	500	
Return Air	----	----
Outside Air	----	----
Fan RPM	1388	DIRECT DRIVE
Motor Horsepower	$\frac{1}{4}$	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	3.4		



ACES
June 12, 2026

FAN DATA

FAN NUMBER:	EF-23	MANUFACTURER:	COOK
MODEL NUMBER:	101R28D	SERIAL NUMBER:	0008401

LIVING SKILLS APART 3075C	DESIGN	ACTUAL
Total CFM	500	453
Connected Load	500	
Return Air	----	----
Outside Air	----	----
Fan RPM	2800	2100
Motor Horsepower	1.0	1.0
Voltage	115-1	115-1
Operating Amperage		8.8
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		----
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US MOTORS	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.0	Belts:	DIRECT DRIVE
Motor RPM:	350-2800	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	10.4		



ACES
June 18, 2026

FAN DATA

FAN NUMBER:	EF-24	MANUFACTURER:	COOK
MODEL NUMBER:	100R28D	SERIAL NUMBER:	0310009701

LIVING SKILLS APART 3076C	DESIGN	ACTUAL
Total CFM	500	455
Connected Load	500	
Return Air	----	----
Outside Air	----	----
Fan RPM	2800	2100
Motor Horsepower	1.0	1.0
Voltage	115-1	115-1
Operating Amperage		9.2
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		----
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US MOTORS	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.0	Belts:	DIRECT DRIVE
Motor RPM:	350-2800	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	10.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-25	MANUFACTURER:	COOK
MODEL NUMBER:	101C17DEC	SERIAL NUMBER:	140SL2294C

ISO RM 2007B	DESIGN	ACTUAL
Total CFM	300	315
Connected Load	300	
Return Air	----	----
Outside Air	----	----
Fan RPM	1341	DIRECT DRIVE
Motor Horsepower	$\frac{1}{4}$	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	3.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-26	MANUFACTURER:	COOK
MODEL NUMBER:	101C17DOR60VF	SERIAL NUMBER:	140PL22946

TLT 2008B	DESIGN	ACTUAL
Total CFM	75	74
Connected Load	75	
Return Air	----	----
Outside Air	----	----
Fan RPM	1508	DIRECT DRIVE
Motor Horsepower	1/6	½
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	½	Belts:	DIRECT DRIVE
Motor RPM:	300-1800	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	6.4		



ACES
June 12, 2026

FAN DATA

FAN NUMBER:	EF-27	MANUFACTURER:	COOK
MODEL NUMBER:	101C17DOR60VF	SERIAL NUMBER:	140PL22946

TLT/SWR 2009B	DESIGN	ACTUAL
Total CFM	115	120
Connected Load	120	
Return Air	----	----
Outside Air	----	----
Fan RPM	1592	1098
Motor Horsepower	1/6	½
Voltage	115-1	115-1
Operating Amperage		5.1
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		----
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	½	Belts:	DIRECT DRIVE
Motor RPM:	300-1800	Sheave Position:	DIRECT DRIVE
Voltage:	120-1		
Full Load Amperage:	6.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-28	MANUFACTURER:	COOK
MODEL NUMBER:	101C17DEC	SERIAL NUMBER:	140SL22946

NURSE OFF 2004B	DESIGN	ACTUAL
Total CFM	330	271
Connected Load	275	
Return Air	----	----
Outside Air	----	----
Fan RPM	1460	DIRECT DRIVE
Motor Horsepower	1/4	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	3.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-29	MANUFACTURER:	COOK
MODEL NUMBER:	101C17DOR60VF	SERIAL NUMBER:	140PL22946

STOR 2012B	DESIGN	ACTUAL
Total CFM	75	74
Connected Load	75	
Return Air	----	----
Outside Air	----	----
Fan RPM	1367	DIRECT DRIVE
Motor Horsepower	1/6	½
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	½	Belts:	DIRECT DRIVE
Motor RPM:	300-1800	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	6.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-30	MANUFACTURER:	COOK
MODEL NUMBER:	100C17DEC	SERIAL NUMBER:	140SL22946

NURSE 3037B, EXAM 3038B	DESIGN	ACTUAL
Total CFM	375	311
Connected Load	300	
Return Air	----	----
Outside Air	----	----
Fan RPM	1407	DIRECT DRIVE
Motor Horsepower	$\frac{1}{4}$	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	3.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-31	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140PL22946

ISO RM 3038B	DESIGN	ACTUAL
Total CFM	175	185
Connected Load	175	
Return Air	----	----
Outside Air	----	----
Fan RPM	1369	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-32	MANUFACTURER:	COOK
MODEL NUMBER:	101C17D0R60VF	SERIAL NUMBER:	140PL22946

UNISEX 3040B	DESIGN	ACTUAL
Total CFM	75	68
Connected Load	75	
Return Air	----	----
Outside Air	----	----
Fan RPM	1206	DIRECT DRIVE
Motor Horsepower	1/6	½
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	½	Belts:	DIRECT DRIVE
Motor RPM:	300-1800	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	6.4		



ACES
June 12, 2026

FAN DATA

FAN NUMBER:	EF-33	MANUFACTURER:	COOK
MODEL NUMBER:	101C17D0R60VF	SERIAL NUMBER:	140PL22946

	DESIGN	ACTUAL
Total CFM	75	72
Connected Load	72	
Return Air	----	----
Outside Air	----	----
Fan RPM	1206	1342
Motor Horsepower	1/6	½
Voltage	115-1	115-1
Operating Amperage		5.6
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		----
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	US	Fan Sheave:	DIRECT DRIVE
Frame:	48Y	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	½	Belts:	DIRECT DRIVE
Motor RPM:	300-1800	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	6.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-34	MANUFACTURER:	COOK
MODEL NUMBER:	100C17DEC	SERIAL NUMBER:	140PL22946

KITCHENETTE 2073B	DESIGN	ACTUAL
Total CFM	150	150
Connected Load	150	
Return Air	----	----
Outside Air	----	----
Fan RPM	1407	DIRECT DRIVE
Motor Horsepower	$\frac{1}{4}$	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	.167		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-35	MANUFACTURER:	COOK
MODEL NUMBER:	100C1DEC	SERIAL NUMBER:	140PL22946

ELEC 2023A	DESIGN	ACTUAL
Total CFM	300	290
Connected Load	300	
Return Air	----	----
Outside Air	----	----
Fan RPM	1478	DIRECT DRIVE
Motor Horsepower	1/4	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	3.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-36	MANUFACTURER:	COOK
MODEL NUMBER:	100C17DEC	SERIAL NUMBER:	140PL22946

ELEC 3014A	DESIGN	ACTUAL
Total CFM	300	285
Connected Load	300	
Return Air	----	----
Outside Air	----	----
Fan RPM	1341	DIRECT DRIVE
Motor Horsepower	1/4	.25
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.25	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	3.4		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-37	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140PL22946

ELEC 3054C	DESIGN	ACTUAL
Total CFM	150	158
Connected Load	150	
Return Air	----	----
Outside Air	----	----
Fan RPM	1185	DIRECT DRIVE
Motor Horsepower	1/6	
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-38	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140PL22946

STOR 3037C	DESIGN	ACTUAL
Total CFM	150	160
Connected Load	150	
Return Air	----	----
Outside Air	----	----
Fan RPM	1185	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-39	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140PL22946

MECH 3072C	DESIGN	ACTUAL
Total CFM	200	213
Connected Load	200	
Return Air	----	----
Outside Air	----	----
Fan RPM	1232	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-40	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140SL22946

NAIL 3081.1C	DESIGN	ACTUAL
Total CFM	200	193
Connected Load	200	
Return Air	----	----
Outside Air	----	----
Fan RPM	1232	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
March 20, 2026

FAN DATA

FAN NUMBER:	EF-41	MANUFACTURER:	COOK
MODEL NUMBER:	90C17DEC	SERIAL NUMBER:	140SL22946

HAIR 3081.2C	DESIGN	ACTUAL
Total CFM	150	146
Connected Load	150	
Return Air	----	----
Outside Air	----	----
Fan RPM	1185	DIRECT DRIVE
Motor Horsepower	1/6	.167
Voltage	115-1	115-1
Operating Amperage		----
Suction Static Pressure		----
Discharge Static Pressure		----
Total Static Pressure	----	----
VFD Setpoint		POT.
Min. O.A. Position		----

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	COOK	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	.167	Belts:	DIRECT DRIVE
Motor RPM:	1725	Sheave Position:	DIRECT DRIVE
Voltage:	115-1		
Full Load Amperage:	2.36		



ACES
June 12, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		EF'S						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
EF-46								
UNISEX 3076.1C	1	8X8	1.0	100	199	102	102	
UNISEX 3075.1C	2	8X8	1.0	100	230	107	107	
				200	429		209	
KEF-1								
KITCHEN HOOD	1	120X12	10.0	1998	2240	196	1960	
KEF-2								
KITCHEN HOOD	1	38X12	3.17	843	891	277	878	
EF-20								
DRYER BOOSTER	1	4" ROUND	.087	150	0	1025	89	NO SPEED CONTROL
EF-21								
DRYER BOOSTER	1	4" ROUND	.087	150	11	1501	131	NO SPEED CONTROL
EF-1								
MECH 2117C	1	10X14	.97	650	740	711	690	POT SET
EF-2								
SPRINKLER 2118C	1	12X12	1.0	150	377	157	157	POT SET
EF-3								FAN SPEED 51%
ELEC 2116C	1	22.5X22.5	3.5	2400	4333	721	2524	
EF-4								
ELEC 2115C	1	10" ROUND	.55	300	418	561	309	POT SET
EF-5								
FAM/UNISEX 2114C	1	6X6	1.0	75	114	76	76	
EF-6								
LOADING 2111C	1	6" ROUND	.19	200	273	1070	203	



ACES
June 12, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		EF'S						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
EF-35								
ELEC 2023A	1	10X10	.69	300	290	418	290	
EF-36								
ELEC 3014A	1	14X14	1.36	300	457	210	285	
EF-25								
ISOLATION 2007B	1	22X12	1.0	300	372	315	315	
EF-26								
TLT 2008B	1	6X6	1.0	75	103	74	74	
EF-27								
TLT/SWR 2009B	1	12X12	1.0	115	0	120	120	
EF-28								
NURSE OFFICE 2004B	1	12X12	1.0	275	271	271	271	
EF-29								
STORAGE 2012B	1	8X8	1.0	75	104	74	74	
EF-30								
NURSE 3037B	1	12X12	1.0	300	467	311	311	
EF-31								
ISOLATION 3038B	1	10X10	1.0	175	118	185	185	
EF-32								
UNISEX 3040B	1	6X6	1.0	75	125	68	68	
EF-33								
UNISEX 3039B	1	6X6	1.0	75	0	72	72	



AIRFLOW DISTRIBUTION DATA

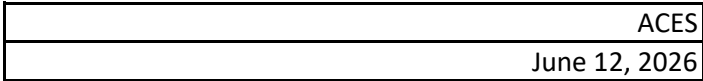
FAN NUMBER:		EF'S						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
EF-17								
STAFF M 3057C	1	6X6	1.0	50	88	49	49	
STAFF W 3058C	2	6X6	1.0	50	101	49	49	
				100	189		98	
EF-18								
LIVING APT 3062C	1	7" ROUND	.27	500	----	1712	462	
EF-19								
LIVING APT 3070C	1	7" ROUND	.27	500	----	1693	457	
EF-37								
ELEC 3059C	1	12X12	1.0	150	485	158	158	
EF-22								
ART THERAPY 2097C	1	22X22	1.0	525	495	495	495	
EF-23; KEH-2								
LIVING APT 3075C	1	7" ROUND	.27	500	----	1679	453	
EF-24; KEH-1								
LIVING APT 3076C	1	7" ROUND	.27	500	----	1686	455	
EF-38								
STOR 3072C	1	8X8	1.0	150	300	160	160	
EF-39								
MECH 3073C	1	12X10	.83	200	290	256	213	
EF-40								
NAIL 3081.1C	1	12X12	1.0	200	444	193	193	
EF-41								
HAIR 3081.2C	1	12X12	1.0	150	448	146	146	

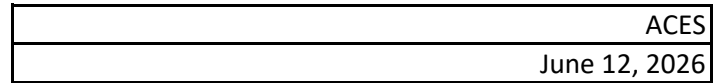


ACES
June 12, 2026

AIRFLOW DISTRIBUTION DATA

FAN NUMBER:		EF'S						
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
EF-34								
KITCHENETTE 2073B	1	6X6	1.0	150	317	150	150	
EF-42								EXISTING DUCTWORK
MENS 102B	1	9X5	.28	100	77	77	77	FULL SPEED
MENS 102B	2	9X5	.28	100	99	99	99	
MENS 102B	3	9X5	.28	100	81	81	81	
GATEWAY RM 001A	4	----	----	50	0	0	0	
GATEWAY RM 001B	5	9X3.5	.20	50	33	33	33	
				400	290		290	
EF-43								
WOMENS 106B	1	12X12	1.0	250	130	130	130	
EF-12								
CUST 2084C	1	8X8	1.0	50	101	49	49	
STAFF 2092C	2	8X8	1.0	50	161	54	54	
				100	262		103	
EF-13								
STAFF 2081C	1	8X8	1.0	150	235	151	151	
EF-14								
CUST 3055C	1	6X6	1.0	50	115	52	52	
BOYS 2035C	2	8X8	1.0	150	197	150	150	
MENS 2079C	3	12X12	1.0	150	215	158	158	
				350	527		360	
EF-15								
GIRLS 3085G	1	12X12	1.0	150	331	138	138	
WOM 2113C	2	12X12	1.0	150	70	124	124	
				300	401		262	

[illegible]

[illegible]



ACES
February 20, 2026

PUMP DATA

PUMP:	P1	MANUFACTURER:	ARMSTRONG
SIZE:	4380		

	DESIGN	ACTUAL
GPM	100	109
TDH	95	18.48
Suction Pressure		38
Discharge Pressure		46
No Flow TDH		125
TDV Setting		100% OPEN
Δ P Setpoint		18.0

MOTOR NAME PLATE INFORMATION		MOTOR ACTUAL	
Motor Manufacturer:	ARMSTRONG	Voltage:	460
Frame:	NOT LISTED	Running Amperage:	3.5
Motor Horsepower:	5	VFD Frequency:	----
Motor RPM:	3484		
Voltage:	460		
Full Load Amperage:	7.1		

REMARKS
150.3 FULL LOAD. BALANCED CIRCUITS AT 36 PSI AT PUMP. ALL VALVES OPEN



ACES
February 20, 2026

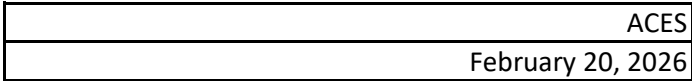
PUMP DATA

PUMP:	P2	MANUFACTURER:	ARMSTRONG
SIZE:	4380		

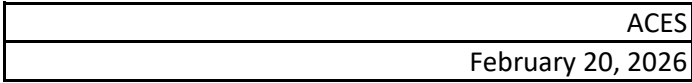
	DESIGN	ACTUAL
GPM	100	106
TDH	95	18.48
Suction Pressure		37
Discharge Pressure		45
No Flow TDH		123
TDV Setting		100% OPEN
Δ P Setpoint		18.0

MOTOR NAME PLATE INFORMATION		MOTOR ACTUAL	
Motor Manufacturer:	ARMSTRONG	Voltage:	460
Frame:	NOT LISTED	Running Amperage:	3.5
Motor Horsepower:	5	VFD Frequency:	----
Motor RPM:	3484		
Voltage:	460		
Full Load Amperage:	7.1		

REMARKS
150.3 FULL LOAD. BALANCED CIRCUITS AT 36 PSI AT PUMP. ALL VALVES OPEN

[illegible]

[illegible]

[illegible]



HYDRONIC DISTRIBUTION DATA

PUMP:		RADIANT PANELS						
CIRCUIT	#	SIZE	TYPE	DESIGN GPM	SETTING	FINAL DELTA P.	GPM	NOTE
RP-4 2095.5C	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M223
RP-1 2095.5C	1	3/4	IMISTAD	0.5	0.5	4.99	0.91	PIPED TOGETHER; M223
RP-3 2096C	1	3/4	IMISTAD	0.5	0.2	7.9	0.52	M223
RP-2 2095.4C	1	3/4	IMISTAD	0.5	0.18	8.69	0.49	M223
RP-2 2095.3C	1	3/4	IMISTAD	0.5	0.18	9.05	0.5	M223
RP-23 C213B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M223
RP-25 C213B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M223
RP-23 C213B	1	3/4	IMISTAD	0.5	0.45	15.5	1.49	PIPED TOGETHER; M223
RP-23 C213B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-25 C213B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-25 C213B	1	3/4	IMISTAD	0.5	0.4	17.9	1.47	PIPED TOGETHER; M222
RP-7 2067B	1	3/4	IMISTAD	0.5	0.12	20.2	0.51	M222
RP-11 2068B	1	----	IMISTAD	1	----	----	----	PIPED TOGETHER; M222
RP-9 2068B	1	3/4	IMISTAD	1	0.35	11.9	1.07	PIPED TOGETHER; M222
RP-6 2070B	1	3/4	IMISTAD	0.5	0.13	17.3	0.51	M222
RP-9 2072B	1	3/4	IMISTAD	1	0.35	8.71	0.91	M222
RP-4 2075B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-4 2075B	1	3/4	IMISTAD	0.5	0.4	7.41	0.94	PIPED TOGETHER; M222
RP-12 2076B	1	3/4	IMISTAD	0.5	0.13	15.4	0.49	M222
RP-2 2061B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-2 2061B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-2 2061B	1	3/4	IMISTAD	0.5	0.4	8.25	0.99	PIPED TOGETHER; M222
RP-17 2009B	1	3/4	IMISTAD	0.5	0.15	11.3	0.48	M222
RP-17 2009B	1	3/4	IMISTAD	0.5	0.14	14.1	0.5	M222
RP-22 2008B	1	3/4	IMISTAD	0.5	0.15	14	0.53	M222
RP-2 2010B	1	3/4	IMISTAD	0.5	0.15	12.1	0.49	M222
RP-18 2011B	1	3/4	IMISTAD	1	0.15	13.2	0.51	M222
RP-11 2015B	1	3/4	IMISTAD	1	0.35	9.7	0.96	M222
RP-9 2017B	1	3/4	IMISTAD	0.5	0.4	7.45	0.94	M222
RP-2 2058B	1	3/4	IMISTAD	0.5	0.15	13.3	0.52	M222
				17.5			15.73	
				(CONT'D)				



HYDRONIC DISTRIBUTION DATA

PUMP:		RADIANT PANELS						
CIRCUIT	#	SIZE	TYPE	DESIGN GPM	SETTING	FINAL DELTA P.	GPM	NOTE
RP-2 2056B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-8 2056B	1	3/4	IMISTAD	1	1.3	3.67	1.46	PIPED TOGETHER; M222
RP-9 2054B	1	3/4	IMISTAD	1	0.45	7.45	1.03	M222
RP-9 2019A	1	3/4	IMISTAD	1	0.35	9.17	0.94	M221
RP-11 2025A	1	3/4	IMISTAD	1	0.35	9.4	0.95	M221
RP-11 2027A	1	3/4	IMISTAD	1	0.55	4.92	0.96	M221
RP-3 C204A	1	3/4	IMISTAD	0.5	0.35	2.47	0.48	M221
RP-7 3083C	1	3/4	IMISTAD	0.5	0.13	16.6	0.5	M233
RP-11 3083.1C	1	3/4	IMISTAD	1	0.27	17	1.02	M233
RP-4 3082.2C	1	3/4	IMISTAD	0.5	0.11	23.3	0.51	M233
RP-4 3082.1C	1	3/4	IMISTAD	0.5	0.11	24.6	0.52	M233
RP-4 3081.1C	1	3/4	IMISTAD	0.5	0.11	21.8	0.49	M233
RP-4 3080C	1	3/4	IMISTAD	0.5	0.11	24.8	0.52	M233
RP-11 3079C	1	3/4	IMISTAD	1	0.25	16.4	0.93	M233
RP-11 3078C	1	3/4	IMISTAD	1	0.25	18.3	0.98	M233
RP-7 3077C	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M233
RP-3 3077C	1	3/4	IMISTAD	0.5	0.25	21.5	1.07	PIPED TOGETHER; M222
RP-10 3076C	1	3/4	IMISTAD	1	0.35	9.19	0.94	M233
RP-10 3075C	1	3/4	IMISTAD	1	0.3	11.9	0.94	M233
RP-19 3074C	1	3/4	IMISTAD	0.5	0.14	16	0.53	M233
RP-3 3070C	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-3 3070C	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-3 3070C	1	3/4	IMISTAD	0.5	0.35	9.81	0.97	PIPED TOGETHER; M222
RP-11 3068C	1	3/4	IMISTAD	1	0.33	12.4	1.03	M233
RP-11 3066C	1	3/4	IMISTAD	1	0.35	11.5	1.05	M233
RP-11 3064C	1	3/4	IMISTAD	1	0.2	23.8	0.91	M233
RP-3 3062C	1	3/4	IMISTAD	0.5	0.11	22.3	0.5	M233
RP-3 3062C	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER; M222
RP-3 3062C	1	3/4	IMISTAD	0.5	0.38	9.63	1.03	PIPED TOGETHER; M222
RP-22 3058C	1	3/4	IMISTAD	0.5	0.11	23.3	0.51	M233
				21.5			20.77	
				(CONT'D)				



HYDRONIC DISTRIBUTION DATA

PUMP:		RADIANT PANELS						
CIRCUIT	#	SIZE	TYPE	DESIGN GPM	SETTING	FINAL DELTA P.	GPM	NOTE
RP-22 5037C	1	3/4	IMISTAD	0.5	0.11	23.1	0.51	M233
RP-22 3076.C1	1	3/4	IMISTAD	0.5	0.13	16.5	0.5	M233
RP-22 3075.C1	1	3/4	IMISTAD	0.5	0.13	15.4	0.48	M233
RP-11 3000B	1	3/4	IMISTAD	1	0.4	7.21	0.93	M232
RP-16 3052B	1	3/4	IMISTAD	0.5	0.14	14	0.5	M232
RP-2 3050B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER M232
RP-2 3050B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER M232
RP-6 3050B	1	3/4	IMISTAD	0.5	0.4	7.15	0.92	PIPED TOGETHER M232
RP-12 3049B	1	3/4	IMISTAD	0.5	0.13	14.9	0.48	M232
RP-12 3048B	1	3/4	IMISTAD	0.5	0.13	15.3	0.48	M232
RP-12 3047B	1	3/4	IMISTAD	0.5	0.13	16.3	0.5	M232
RP-12 3046B	1	3/4	IMISTAD	0.5	0.13	17	0.51	M232
RP-4 3045B	1	3/4	IMISTAD	0.5	0.13	17.5	0.52	M232
RP-7 3044B	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER M232
RP-3 3044B	1	3/4	IMISTAD	0.5	0.35	10.4	1	PIPED TOGETHER M232
RP-4 3042B	1	3/4	IMISTAD	0.5	0.13	18	0.52	M232
RP-19 3036B	1	3/4	IMISTAD	0.5	0.12	18.1	0.49	M232
RP-5 3051B	1	3/4	IMISTAD	0.5	0.15	12.4	0.5	M232
RP-3 3043B	1	3/4	IMISTAD	0.5	0.12	20.1	0.51	M232
RP-22 3040B	1	3/4	IMISTAD	0.5	0.15	12.6	0.5	M232
RP-22 3039B	1	3/4	IMISTAD	0.5	0.15	13.4	0.52	M232
RP-9 3001B	1	3/4	IMISTAD	1	0.35	11.4	1.04	M232
RP-9 3003B	1	3/4	IMISTAD	1	0.3	14.4	1.03	M232
RP-9 3005B	1	3/4	IMISTAD	1	0.3	15.5	1.07	M232
RP-9 3007B	1	3/4	IMISTAD	1	0.3	14.1	1.02	M232
RP-9 3035B	1	3/4	IMISTAD	1	1.3	12.6	0.96	M232
RP-9 3033B	1	3/4	IMISTAD	1	0.32	11.9	0.99	M232
RP-9 3031B	1	3/4	IMISTAD	1	0.4	7.17	0.93	M232
RP-9 3029B	1	3/4	IMISTAD	1	4	7.49	0.95	M232
RP-9 3009A	1	3/4	IMISTAD	1	0.3	14.3	1.03	M231
				20			19.39	
				(CONT'D)				



HYDRONIC DISTRIBUTION DATA

PUMP:		RADIANT PANELS						
CIRCUIT	#	SIZE	TYPE	DESIGN GPM	SETTING	FINAL DELTA P.	GPM	NOTE
RP-9 3013A	1	3/4	IMISTAD	1	0.3	14.2	1.02	M231
RP-3 3015A	1	3/4	IMISTAD	0.5	----	----	----	PIPED TOGETHER M231
RP-3 3015A	1	3/4	IMISTAD	0.5	0.3	14.3	1.03	PIPED TOGETHER M231
RP-11 3017A	1	3/4	IMISTAD	1	0.3	13.1	0.98	M231
RP-3 C306A	1	3/4	IMISTAD	0.5	0.17	11	0.53	M231
RP-11 3019A	1	3/4	IMISTAD	1	0.5	5.69	0.97	M231
RP-9 3021A	1	3/4	IMISTAD	1	0.4	8.88	1.03	M231
RP-9 3023A	1	3/4	IMISTAD	1	0.45	6.31	0.95	M231
RP-9 3025A	1	3/4	IMISTAD	1	0.42	8.38	1.04	M231
RP-8 2107C	1	3/4	IMISTAD	1	0.4	9.38	1.06	M223
RP-5 2104C	1	3/4	IMISTAD	0.5	0.13	17	0.51	M223
RP-3 2104C	1	3/4	IMISTAD	0.5	0.13	16.8	0.5	M223
RP-2 2102.1C	1	3/4	IMISTAD	0.5	0.25	4.26	0.47	M223
RP-3 2102C	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER M223
RP-3 2102C	1	----	IMISTAD	0.5	----	----	----	PIPED TOGETHER M223
RP-3 2102C	1	3/4	IMISTAD	0.5	0.35	10.8	1.02	PIPED TOGETHER M223
RP-9 2101C	1	3/4	IMISTAD	1	0.75	4.4	1.07	M223
RP-9 2097C	1	3/4	IMISTAD	1	0.7	3.47	0.92	M223
RP-2 2095.8C	1	3/4	IMISTAD	0.5	0.2	7.3	0.49	M223
RP-2 2095.7C	1	3/4	IMISTAD	0.5	0.2	7.65	0.51	M223
RP-2 2095.6C	1	3/4	IMISTAD	0.5	0.2	6.45	0.47	M223
RP-11 2045A	1	3/4	IMISTAD	1	0.6	4.62	0.98	M221
RP-11 2047A	1	3/4	IMISTAD	1	0.45	6.61	0.97	M221
RP-9 2053A	1	3/4	IMISTAD	1	0.38	8.85	0.98	M221
				18			17.5	
TOTAL		----	----	77	----	----	73.39	



ACES
June 12, 2026

INSTRUMENT CALIBRATION SUMMARY

Instrument Model Number Serial Number	Application	Date of Calibration
Airdata Multimeter ADM-860 M98375	Air Flow & Pressure Measurements	9/30/2025
Tachometer 150126905	Rotating Equipment Speed Measurements	2/2/2026
Hydrodata Multimeter HDM-250 W01962	Water Flow & Pressure Measurements	6/20/2025
Cooper-Atkins SRH-77A 050109023	Temperature & Humidity Testing	4/11/2025

All calibrated devices are NIST traceable.