



HVAC TEST & BALANCE REPORT

CO GENERAL HOSPITAL 5623 PULPIT PEAK VIEW COLORADO SPRINGS, CO 80918

RCG JOB NUMBER : _____	DATE WORK STARTED: <u>5-Dec-2015</u>
WORK PERFORMED BY : <u>JR</u>	DATE WORK COMPLETED: <u>13-May-2016</u>
WORK REVIEWED BY : <u>JOHN RICHTER</u>	RCG, LLC. REVIEW DATE: <u>16-May-2016</u>
RCG, LLC. REVIEW SIGNATURE: <u>JOHN P. RICHTER</u>	

REPORT ACCEPTANCE/APPROVAL SECTION

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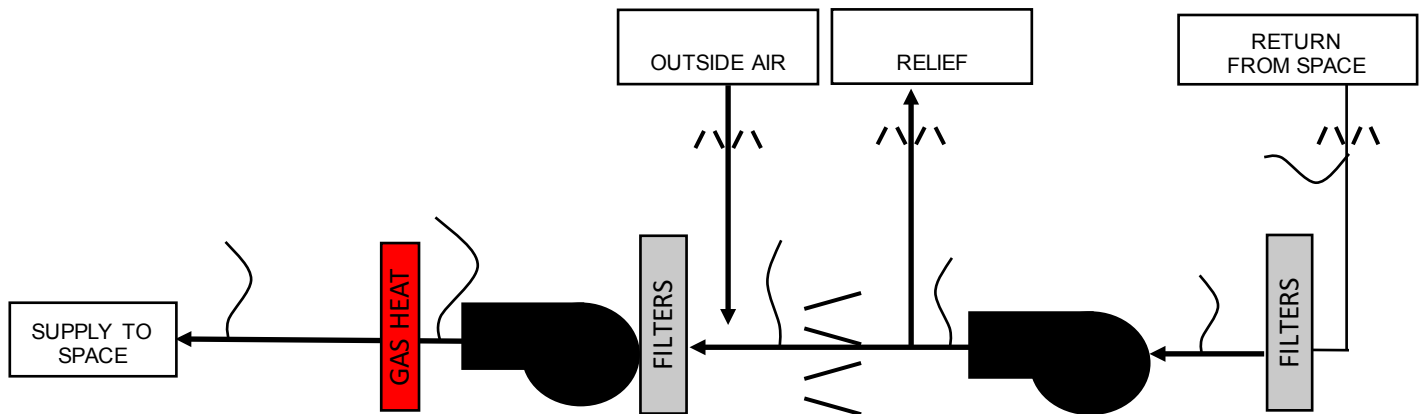
AHU PROFILE DOCUMENT

CLIENT : COBB MECHANICAL
PROJECT : CO GENERAL HOSPITAL
UNIT MFG. : TRANE
MODEL NO. : _____

DATE : 5-Mar-2016
UNIT ID : AHU-1
TECHNICIAN : RR,PH
SERIAL NO. : _____

FIELD DATA SUMMARY					
	SUPPLY FAN (TYP 4)		RETURN FAN (TYP 4)		NOTES
	DESIGN	FINAL	DESIGN	FINAL	
TOTAL CFM	10,850	11,084	7,440	7,306	NONE
RETURN CFM	7,440	7,306	7,440	7,306	NONE
RELIEF CFM	590	334	NA	NA	NONE
OUTSIDE AIR CFM	4,000	4,112	NA	NA	NONE
TOTAL SP					NONE
DISCH SP/SUCT SP					NONE
EXTERNAL SP					NONE
RET SP/SUP SP					NONE
FAN RPM					NONE
MOTOR RPM					NONE
MOTOR HP		BHP		BHP	NONE
VOLTS/PHASE					NONE
AMPS / SF					NONE
MOTOR FRAME					NONE
VFD SETPOINT					NONE
SP SETPOINT					NONE
MIN OA DAMP POS					NONE

DRIVE PACKAGE/FILTER INFORMATION					
MTR PULLEY ID	MTR BORE SIZE	BELT SIZE	CENT. TO CENT.		
FAN PULLEY SIZE	FAN BORE SIZE	BELT QUAT	PLUS	MINUS	
FILTER SIZE	FILTER QTY	FAN TYPE	UNIT TYPE		



COMMENTS : OA AFMS READS 4112 CFM.

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 3/28/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-1

TECH: RR

DIFFUSER SUMMARY DATA							
VAV-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
1-1	S1	24 X 24	S1	150	160	1.07	
	S2	24 X 24	S1	150	157	1.05	
	S3	24 X 24	S2	100	105	1.05	
	S4	24 X 24	S1	345	358	1.04	
			TOTALS	745	780	1.05	
1-2	S1	24 X 24	S1	300	295	0.98	
	S2	24 X 24	S1	300	300	1.00	
	S3	24 X 24	S1	85	83	0.98	
	S4	24 X 24	S1	300	310	1.03	
			TOTALS	985	988	1.00	
1-3	S1	24 X 24		175	171		
	S2	24 X 24		120	125		
	S3	24 X 24		400	396		
	S4	24 X 24		120	115		
	S5	24 X 24		120	119		
			TOTALS	935	926		
1-4	S1	18 X 14	S3	1500	0	0.00	*1
			TOTALS	1500		0.00	
1-5	S1	16 X 14	S3	1200	0	0.00	*1
			TOTALS	1200		0.00	
1-6	S1						*1

COMMENTS: NONE *1: VVR CALIBRATED VIA TRAVERSE, HEPA TERMINALS TO BE FINAL SET UPON COMPLETION OF OR.

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/22/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-1

TECH: RR

DIFFUSER SUMMARY DATA

LOCATION	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN	NOTES
	R1			85	86	1.01	
	R2			250	231	0.92	
	R3			245	250	1.02	
	R4			200	202	1.01	
	R5			200	205	1.03	
	R6			200	197	0.99	
	R7			160	155	0.97	
	R8			200	203	1.02	
	R9			100	108	1.08	
	R10			200	210	1.05	
	R11			200	205	1.03	
VAV-1	R12			1800	1662	0.92	
VAV-2	R13			1800	1764	0.98	
VAV-3	R14			1800	1828	1.02	
			Totals	7440	7306	0.98	

COMMENTS: RETURN BALANCED IN HAND AT 57.5 HZ

AHU PROFILE DOCUMENT

CLIENT : COBB MECHANICAL
 PROJECT : CO GENERAL HOSPITAL
 UNIT MFG. : TRANE
 MODEL NO. : _____

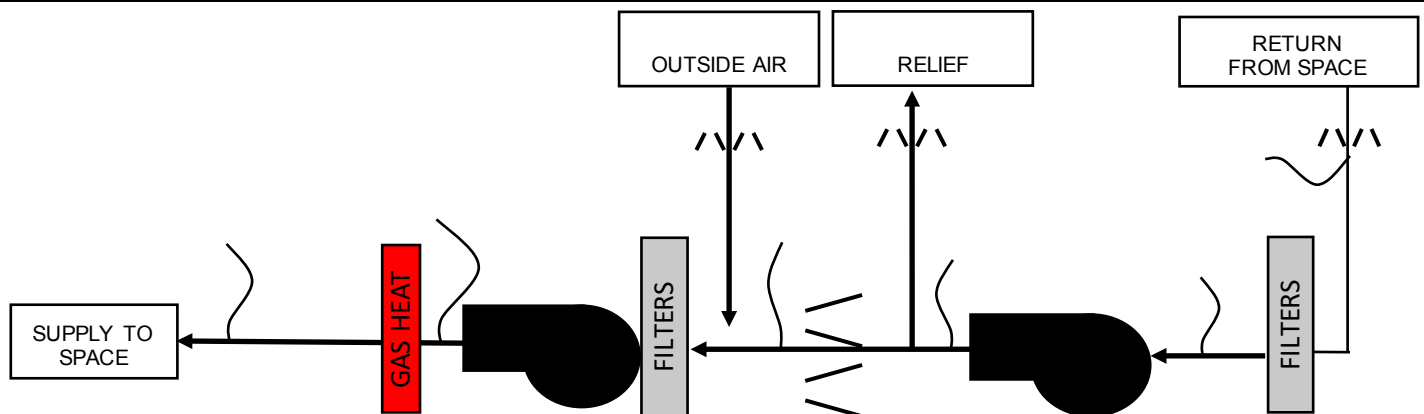
DATE : 5-Mar-2016
 UNIT ID : AHU-2
 TECHNICIAN : RR,PH
 SERIAL NO. : _____

FIELD DATA SUMMARY

	SUPPLY FAN (TYP 2)		RETURN FAN (TYP 2)		NOTES
	DESIGN	FINAL	DESIGN	FINAL	
TOTAL CFM	27,670	26,590	19,590	19,472	NONE
RETURN CFM	19,590	19,472	19,590	19,472	NONE
RELIEF CFM	0	0	NA	NA	NONE
OUTSIDE AIR CFM	5,880	5,976	NA	NA	NONE
TOTAL SP	4.47		2.66		NONE
DISCH SP/SUCT SP					NONE
EXTERNAL SP	3.00		2.00		NONE
RET SP/SUP SP					NONE
FAN RPM					NONE
MOTOR RPM					NONE
MOTOR HP		BHP		BHP	NONE
VOLTS/PHASE					NONE
AMPS / SF					NONE
MOTOR FRAME					NONE
VFD SETPOINT					NONE
SP SETPOINT					NONE
MIN OA DAMP POS		ND	AUTO		NONE

DRIVE PACKAGE/FILTER INFORMATION

MTR PULLEY ID	DD	MTR BORE SIZE	DD	BELT SIZE	DD	CENT. TO CENT.		DD	
FAN PULLEY SIZE	DD	FAN BORE SIZE	DD	BELT QUAT	DD	PLUS	NA	MINUS	NA
FILTER SIZE	DD	FILTER QTY		FAN TYPE	BI	UNIT TYPE	DRAW THROUGH		



COMMENTS : OA AFMS READS 5976 CFM

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 5/4/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-2

TECH: RR

DIFFUSER SUMMARY DATA

LOCATION	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN	NOTES
	R1			150	161	1.07	
	R2			170	169	0.99	NO VD
	R3			600	530	0.88	
	R4			100	100	1.00	
	R5			100	94	0.94	
	R6			150	162	1.08	
	R7			1230	1240	1.01	
	R8			100	92	0.92	
	R9			400	421	1.05	
	R10			400	425	1.06	
	R11			400	410	1.03	
	R12			300	320	1.07	
	R13			200	199	1.00	
	R14			150	148	0.99	
	R15			200	194	0.97	
	R16			200	199	1.00	
	R17			150	150	1.00	
	R18			200	204	1.02	
	R19			400	381	0.95	
	R20			150	162	1.08	
	R21			150	155	1.03	
	R22			250	248	0.99	
	R23			120	116	0.97	
	R24			250	255	1.02	
	R25			400	430	1.08	
	R26			200	202	1.01	
			Totals	7120	7167	1.01	

COMMENTS:

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 5/4/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-2

TECH: RR

DIFFUSER SUMMARY DATA

LOCATION	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN
	R27			200	193	0.97
	R28			90	96	1.07
	R29			150	152	1.01
	R30			300	65	0.22
	R31			380	450	1.18
	R32			150	156	1.04
	R33			80	77	0.96
	R34			100	108	1.08
	R35			150	145	0.97
	R36			600	598	1.00
	R37			315	310	0.98
	R38			460	426	0.93
	R39			460	468	1.02
	R40			65	135	2.08
	R41			150	142	0.95
	R42			150	153	1.02
	R43			200	212	1.06
	R44			330	342	1.04
	R45			170	182	1.07
	R46			330	352	1.07
	R47			115	111	0.97
	R48			310	323	1.04
	R49			200	215	1.08
	R50			1500	1476	0.98
	R51			150	155	1.03
	R52			700	734	1.05
	R53			0	0	#DIV/0!
	R54			300	321	1.07
	R55			110	107	0.97
	R56			150	143	0.95
	R57			150	156	1.04
	R58			60	59	0.98

	R59			150	141	0.94
	R60			620	655	1.06
	R61			200	160	0.80
	R62			200	200	1.00
	R63			150	144	0.96
	R64			150	150	1.00
	R65			120	118	0.98
	R66			220	210	0.95
	R67			85	90	1.06
	R68			1000	921	0.92
	R69			1000	954	0.95
			Totals	12470	12305	0.99

COMMENTS:

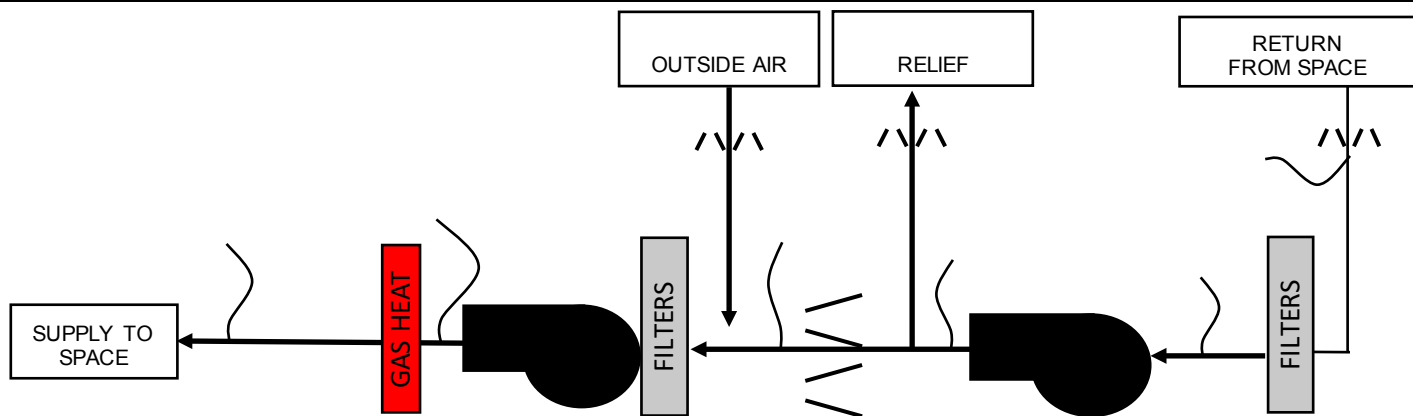
AHU PROFILE DOCUMENT

CLIENT : COBB MECHANICAL
PROJECT : CO GENERAL HOSPITAL
UNIT MFG. : TRANE
MODEL NO. : CSAA021UBL00

DATE : 5-Mar-2016
UNIT ID : AHU-3
TECHNICIAN : RR,PH
SERIAL NO. : K1G59257

FIELD DATA SUMMARY					
	SUPPLY FAN (TYP 2)		RETURN FAN (TYP 2)		NOTES
	DESIGN	FINAL	DESIGN	FINAL	
TOTAL CFM	8,890	8,674	5,870	5,758	NONE
RETURN CFM	5,870	5,758	5,870	5,758	NONE
RELIEF CFM	1,060	995	NA	NA	NONE
OUTSIDE AIR CFM	1,960	1,921	NA	NA	NONE
TOTAL SP	4.47		2.66		NONE
DISCH SP/SUCT SP					NONE
EXTERNAL SP	3.00		2.00		NONE
RET SP/SUP SP					NONE
FAN RPM					NONE
MOTOR RPM	1,750		1,765		NONE
MOTOR HP	5	BHP	3	BHP	NONE
VOLTS/PHASE	230/460/3PH		230/460/3PH		NONE
AMPS / SF	13.2/6.6/ SF 1.15		8.4/4.2/ SF 1.15		NONE
MOTOR FRAME	184T		182T		NONE
VFD SETPOINT					NONE
SP SETPOINT					NONE
MIN OA DAMP POS	ND	AUTO	NA	NA	NONE

DRIVE PACKAGE/FILTER INFORMATION									
MTR PULLEY ID	DD	MTR BORE SIZE	DD	BELT SIZE	DD	CENT. TO CENT.	DD		
FAN PULLEY SIZE	DD	FAN BORE SIZE	DD	BELT QUAT	DD	PLUS	NA	MINUS	NA
FILTER SIZE	DD	FILTER QTY		FAN TYPE	BI	UNIT TYPE	DRAW THROUGH		



COMMENTS : SF @ 100%, SAAFMS: 8459, RF @ 50%, RFAFMS: 5884, OA DMP 44.3%, OAAFMS: 1921

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 3/28/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-3

TECH: RR

DIFFUSER SUMMARY DATA

VAV-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
1-9	S1	12 X 12	S2	50	47	0.94	
	S2	24 X 24	S1	150	145	0.97	
	S3	24 X 24	S1	150	143	0.95	
	S4	24 X 24	S1	150	148	0.99	
	S5	24 X 24	S1	150	155	1.03	
	S6	24 X 24	S1	150	148	0.99	
	S7	24 X 24	S1	150	142	0.95	
			TOTALS	950	928	0.98	
1-50	S1	24 X 24	S1	300	306	1.02	
			TOTALS	300	306	1.02	
1-13	S1	24 X 24	S1	150	155	1.03	
	S2	24 X 24	S1	150	145	0.97	
	S3	24 X 24	S1	150	150	1.00	
	S4	24 X 24	S1	150	146	0.97	
	S5	24 X 24	S1	150	151	1.01	
	S6	24 X 24	S1	150	147	0.98	
			TOTALS	900	894	0.99	
1-11	S1	24 X 24	S1	150	143	0.95	
	S2	24 X 24	S1	50	54	1.08	
	S3	24 X 24	S1	150	160	1.07	
	S4	12 X 12	S2	50	53	1.06	
			TOTALS	400	410	1.03	
1-12	S1	24 X 24	S1	110	109	0.99	
	S2	24 X 24	S1	110	108	0.98	
	S3	24 X 24	S1	300	310	1.03	
			TOTALS	520	527	1.01	

COMMENTS: NONE

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 3/28/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-3

TECH: RR

DIFFUSER SUMMARY DATA

VAV-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
1-14	S1	12 X 12	S1	180	172	0.96	
	S2	24 X 24	S1	50	49	0.98	
	S3	24 X 24	S1	150	161	1.07	
	S4	24 X 24	S1	150	154	1.03	
	S5	24 X 24	S1	290	286	0.99	
	S6	24 X 24	S1	290	272	0.94	
	S7	24 X 24	S1	180	172	0.96	
	S8	25 X 24	S2	290	282	0.97	
	S9	26 X 24	S3	180	171	0.95	
	S10	27 X 24	S4	290	277	0.96	
			TOTALS	2050	1996	0.97	
1-15	S1	24 X 24	S1	100	99	0.99	
	S2	24 X 24	S1	150	158	1.05	
	S3	24 X 24	S1	100	99	0.99	
	S4	24 X 24	S1	100	104	1.04	
	S5	24 X 24	S1	210	219	1.04	
			TOTALS	660	679	1.03	
1-16	S1	24 X 24	S1	150	147	0.98	
	S2	24 X 24	S1	150	156	1.04	
			TOTALS	300	303	1.01	
1-38	S1	24 X 24	S1	300	278	0.93	
	S2	24 X 24	S1	300	291	0.97	
	S3	24 X 24	S1	400	410	1.03	
	S4	24 X 24	S1	400	404	1.01	
			TOTALS	1400	1383	0.99	

COMMENTS: NONE

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 3/28/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-3

TECH: RR

DIFFUSER SUMMARY DATA

VAV-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
1-48	S1	24 X 24	S6	225	220	0.98	
	S2	24 X 24	S6	225	230	1.02	
	S3	24 X 24	S1	50	50	1.00	
			TOTALS	500	500	1.00	
1-10	S1	24 X 24	S1	135	129	0.96	
	S2	24 X 24	S1	135	131	0.97	
	S3	24 X 24	S1	135	137	1.01	
	S4	24 X 24	S1	200	209	1.05	
	S5	24 X 24	S1	300	284	0.95	
			TOTALS	905	890	0.98	

COMMENTS: NONE

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/27/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-3

TECH: RR

DIFFUSER SUMMARY DATA

LOCATION	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN	NOTES
	R1			200	197	0.99	
	R2			630	605	0.96	
	R3			630	610	0.97	
	R4			100	102	1.02	
	R5			630	624	0.99	
	R6			300	312	1.04	
	R7			150	147	0.98	
	R8			150	154	1.03	
	R9			150	152	1.01	
	R10			150	145	0.97	
	R11			150	147	0.98	
	R12			150	157	1.05	
	R13			200	183	0.92	
	R14			200	186	0.93	
	R15			200	185	0.93	
	R16			150	145	0.97	
	R17			150	157	1.05	
	R18			150	149	0.99	
	R19			150	142	0.95	
	R20			150	152	1.01	
	R21			150	150	1.00	
	R22			520	505	0.97	
	R23			150	142	0.95	
	R24			100	99	0.99	
	R25			210	211	1.00	
			Totals	5870	5758	0.98	

COMMENTS:

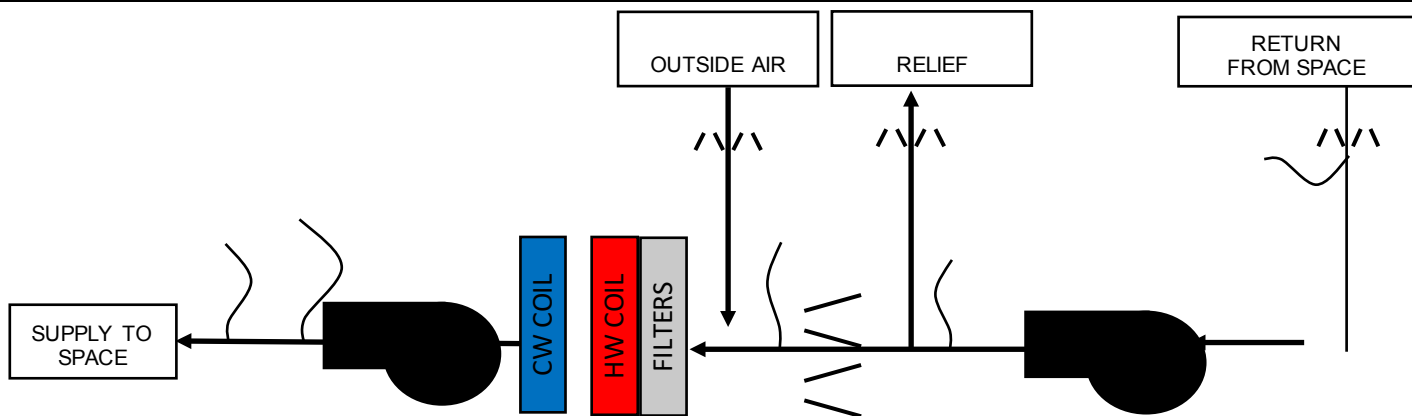
AHU PROFILE DOCUMENT

CLIENT : COBB MECHANICAL
PROJECT : CO GENERAL HOSPITAL
UNIT MFG. : TRANE
MODEL NO. : CSAA021UBL00

DATE : 5-Mar-2016
UNIT ID : AHU-4
TECHNICIAN : RR,PH
SERIAL NO. : K15G59274

FIELD DATA SUMMARY					
	SUPPLY FAN (TYP 2)		RETURN FAN (TYP 2)		NOTES
	DESIGN	FINAL	DESIGN	FINAL	
TOTAL CFM	6,065	6,024	6,110	5,962	NONE
RETURN CFM	6,110	5,962	6,110	5,962	NONE
RELIEF CFM	1,665	1,590	NA	NA	NONE
OUTSIDE AIR CFM	1,620	1,652	NA	NA	NONE
TOTAL SP	4.04		2.45		NONE
DISCH SP/SUCT SP					NONE
EXTERNAL SP	3.0		2.0		NONE
RET SP/SUP SP					NONE
FAN RPM					NONE
MOTOR RPM	1,750		1,765		NONE
MOTOR HP	5	BHP	3	BHP	NONE
VOLTS/PHASE	208/230/460/3PH		230/460/3PH		NONE
AMPS / SF	14/13.2/6.6/ 1.15		8.4/4.2/ SF 1.15		NONE
MOTOR FRAME	184T	184T	182T	182T	NONE
VFD SETPOINT					NONE
SP SETPOINT		1.0"			NONE
MIN OA DAMP POS	NA	AUTO	NA	AUTO	NONE

DRIVE PACKAGE/FILTER INFORMATION							
MTR PULLEY ID	DD	MTR BORE SIZE	DD	BELT SIZE	DD	CENT. TO CENT.	DD
FAN PULLEY SIZE	DD	FAN BORE SIZE	DD	BELT QUAT	DD	PLUS	MINUS
FILTER SIZE	DD	FILTER QTY		FAN TYPE	BI	UNIT TYPE	DRAW



COMMENTS : RF @ 55 HZ, RFAFMS: 5848, SF @ 93%. SFAFMS: 5909, OA DMP 10%, OAAFMS: 1652

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 3/31/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-4

TECH: RR

DIFFUSER SUMMARY DATA

LOCATION	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
1-37	S1	24 X 24	S1	265	258	0.97	
	S2	24 X 24	S1	150	159	1.06	
	S3	24 X 24	S1	50	52	1.04	
	S4	24 X 24	S1	100	93	0.93	
	S5	24 X 24	S1	50	54	1.08	
	S6	24 X 24	S1	200	190	0.95	
	S7	48	S5	300	305	1.02	
			TOTALS:	1115	1111	1.00	
1-42	S1	24 X 24	S1	200	195	0.98	
	S2	24 X 24	S1	200	205	1.03	
			TOTALS:	400	400	1.00	
1-43	S1	24 X 24	S1	300	309	1.03	
	S2	24 X 24	S1	300	293	0.98	
			TOTALS:	600	602	1.00	
1-45	S1	24 X 24	S1	150	148	0.99	
	S2	24 X 24	S1	150	150	1.00	
	S3	24 X 24	S1	225	220	0.98	
	S4	24 X 24	S1	150	147	0.98	
	S5	24 X 24	S1	225	229	1.02	
			TOTALS:	900	894	0.99	
1-40	S1	24 X 24	S1	250	251	1.00	
	S2	24 X 24	S1	250	239	0.96	
			TOTALS:	500	490	0.98	

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/27/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-4

TECH: RR

DIFFUSER SUMMARY DATA

LOCATION	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN	NOTES
	R1			150	147	0.98	
	R2			265	255	0.96	
	R3			265	260	0.98	
	R4			550	512	0.93	
	R5			450	416	0.92	
	R6			450	426	0.95	
	R7			600	547	0.91	
	R8			500	505	1.01	
	R9			180	171	0.95	
	R10			400	398	1.00	
	R11			500	489	0.98	
	R12			500	530	1.06	
	R13			500	531	1.06	
	R14			300	292	0.97	
	R15			300	281	0.94	
	R16			200	202	1.01	
			Totals	6110	5962	0.98	

COMMENTS: RETURN BALANCED IN HAND AT 57.5 HZ

AHU PROFILE DOCUMENT

CLIENT : COBB MECHANICAL
 PROJECT : CO GENERAL
 UNIT MFG. : TRANE
 MODEL NO. : CSAA025UBL00

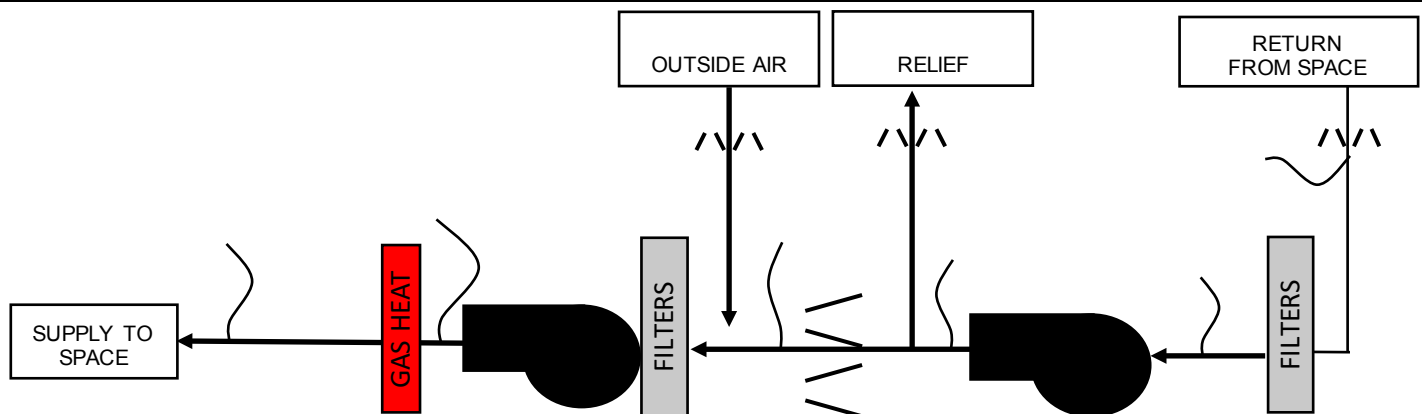
DATE : 5-Mar-2016
 UNIT ID : AHU-5
 TECHNICIAN : RR
 SERIAL NO. : K15G59288

FIELD DATA SUMMARY

	SUPPLY FAN (TYP 2)		RETURN FAN (TYP 2)		NOTES
	DESIGN	FINAL	DESIGN	FINAL	
TOTAL CFM	7,200	7,257	5,870	5,905	NONE
RETURN CFM	5,870	5,905	5,870	5,905	NONE
RELIEF CFM	1,245	1,260	NA	NA	NONE
OUTSIDE AIR CFM	2,575	2,612	NA	NA	NONE
TOTAL SP	4.60		2.81		NONE
DISCH SP/SUCT SP					NONE
EXTERNAL SP	3.00		2.00		NONE
RET SP/SUP SP					NONE
FAN RPM					NONE
MOTOR RPM			NA	NA	NONE
MOTOR HP	7.5	BHP	5	BHP	NONE
VOLTS/PHASE	208-230/460/3PH		208/230/460/3PH		NONE
AMPS / SF	20.4/19.4/9.7/ 1.15		14/13.2/6.6/ 1.15		NONE
MOTOR FRAME	213T		184T		NONE
VFD SETPOINT					NONE
SP SETPOINT	1.0				NONE
MIN OA DAMP POS	ND	AUTO	NA	NA	NONE

DRIVE PACKAGE/FILTER INFORMATION

MTR PULLEY ID	DD	MTR BORE SIZE	DD	BELT SIZE	DD	CENT. TO CENT.	DD
FAN PULLEY SIZE	DD	FAN BORE SIZE	DD	BELT QUAT	DD	PLUS	MINUS
FILTER SIZE	DD	FILTER QTY		FAN TYPE	BI	UNIT TYPE	DRAW



COMMENTS : SF @ 58.9%, SFAFMS: 7231, RF @ 44.9%, RF AFMS: 5781, OA DAMPER 53.8%, OA AFMS 2612

VAV SUMMARY

CLIENT: COBB MECHANICAL
PROJECT: CO GENERAL HOSPITAL

DATE: 4/6/16
SYSTEM: AHU-5
TECH: RR

VAV SUMMARY DATA								
LOCATION	VVR #	INLET SIZE	DESIGN MAX	ACTUAL MAX	DESIGN MIN	ACTUAL MIN	FLOW COEFFICIENT	NOTES
	VAV 2-1	8	600	612	0	0	1.40	
	2-1	8	620	655	500	516	1.36	
	2-2	8	360	351	270	272	1.42	
	2-3	8	600	579	600	579	1.26	
	2-4	8	510	528	390	401	1.40	
	2-5	8	360	363	340	336	1.37	
	2-6	8	360	340	340	344	1.42	
	2-7	8	360	355	340	345	1.40	
	2-8	8	540	530	340	341	1.33	
	2-9	8	360	356	340	350	1.40	
	2-10	8	510	507	340	338	1.35	
	2-11	8	360	359	340	345	1.40	
	2-12	8	360	370	340	354	1.30	
	2-13	8	360	368	340	334	1.10	
	2-14	8	360	377	340	346	1.41	
	2-32	8	580	607	370	381	1.40	
			7200	7257	5530	5582		

COMMENTS:

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/5/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-5

TECH: RR

DIFFUSER SUMMARY DATA

VVR-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
VAV 2-1	S1	10 X 12	S3	600	612	1.02	
			TOTALS	600	612	1.02	
2-1	S1	24 X 24	S1	250	270	1.08	
	S2	24 X 24	S2	50	52	1.04	
	S3	24 X 24	S1	160	163	1.02	
	S4	24 X 24	S1	160	170	1.06	
			TOTALS	620	655	1.06	
2-2	S1	12 X 12	S9	50	52	1.04	
	S2	24 X 24	S8	155	151	0.97	
	S3	24 X 24	S8	155	148	0.95	
			TOTALS	360	351	0.98	
2-3	S1	12 X 12	S2	100	93	0.93	
	S2	12 X 12	S2	70	67	0.96	
	S3	24 X 24	S1	215	207	0.96	
	S4	24 X 24	S1	215	212	0.99	
			TOTALS	600	579	0.97	
2-4							
	S1	24 X 24	S1	150	145	0.97	
	S2	12 X 12	S2	50	50	1.00	
	S3	24 X 24	S1	155	168	1.08	
	S4	24 X 24	S1	155	165	1.06	
			TOTALS	510	528	1.04	
COMMENTS:							

NONE

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/5/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-5

TECH: RR

DIFFUSER SUMMARY DATA

VVR-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
2-5	S1	12 X 12	S2	50	50	1.00	
	S2	24 X 24	S1	155	153	0.99	
	S3	24 X 24	S1	155	160	1.03	
			TOTALS	360	363	1.01	
2-6	S1	12 X 12	S2	50	48	0.96	
	S2	24 X 24	S1	155	157	1.01	
	S3	24 X 24	S1	155	160	1.03	
			TOTALS	360	365	1.01	
2-7	S1	12 X 12	S2	50	45	0.90	
	S2	24 X 24	S1	155	150	0.97	
	S3	24 X 24	S1	155	160	1.03	
			TOTALS	360	355	0.99	
2-8	S1	24 X 24	S1	150	153	1.02	
	S2	12 X 12	S2	80	79	0.99	
	S3	24 X 24	S1	155	148	0.95	
	S4	24 X 24	S1	155	150	0.97	
			TOTALS	540	530	0.98	
2-9	S1	12 X 12	S2	50	52	1.04	
	S2	24 X 24	S1	155	150	0.97	
	S3	24 X 24	S1	155	154	0.99	
			TOTALS	360	356	0.99	
2-10	S1	24 X 24	S1	150	149	0.99	
	S2	12 X 12	S2	50	50	1.00	
	S3	24 X 24	S1	155	153	0.99	
	S4	24 X 24	S1	155	155	1.00	
			TOTALS	510	507	0.99	
2-11	S1	12 X 12	S2	50	46	0.92	
	S2	24 X 24	S1	155	156	1.01	
	S3	24 X 24	S1	155	157	1.01	
			TOTALS	360	359	1.00	

COMMENTS: NONE

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/27/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-5

TECH: RR

DIFFUSER SUMMARY DATA							
LOCATION	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN	NOTES
	R1			310	338	1.09	
	R2			310	334	1.08	
	R3			310	321	1.04	
	R4			310	312	1.01	
	R5			310	318	1.03	
	R6			200	212	1.06	
	R7			200	205	1.03	
	R8			320	345	1.08	
	R9			250	258	1.03	
	R10			200	214	1.07	
	R11			310	295	0.95	
	R12			310	301	0.97	
	R13			310	304	0.98	
	R14			310	307	0.99	
	R15			310	311	1.00	
	R16			310	312	1.01	
	R17			310	302	0.97	
	R18			380	357	0.94	
	R19			600	559	0.93	
			Totals	5870	5905	1.01	

COMMENTS: RETURN BALANCED IN HAND AT 57.5 HZ

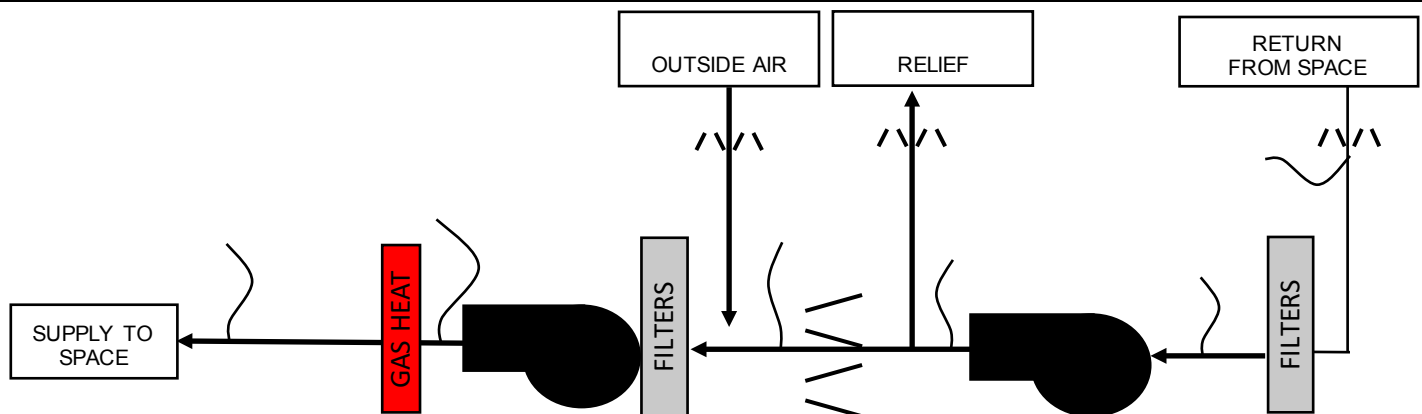
AHU PROFILE DOCUMENT

CLIENT : COBB MECHANICAL
PROJECT : CO GENERAL HOSPITAL
UNIT MFG. : TRANE
MODEL NO. : CSAA030UBL00

DATE : 5-Mar-2016
UNIT ID : AHU-6
TECHNICIAN : RR,PH
SERIAL NO. : K15G59303

FIELD DATA SUMMARY					
	SUPPLY FAN (QTY 2)		RETURN FAN (QTY 2)		NOTES
	DESIGN	FINAL	DESIGN	FINAL	
					NONE
TOTAL CFM	13,870	13,874	12,360	12,498	NONE
RETURN CFM	0	12,498	12,360	12,498	NONE
RELIEF CFM	0	2,389	2,115	2,389	NONE
OUTSIDE AIR CFM	3,625	3,765	NA	NA	NONE
TOTAL SP	5.17		3.32		NONE
DISCH SP/SUCT SP	ND		ND		NONE
EXTERNAL SP	3.0		2.0		NONE
RET SP/SUP SP					NONE
FAN RPM					NONE
MOTOR RPM	1,770		1,770		NONE
MOTOR HP	10.0	BHP	7.5	BHP	NONE
VOLTS/PHASE	208/230/460/3PH		208-230/460/3PH		NONE
AMPS / SF	26/25/12.5/ 1.15		20.4/19.4/9.7/ 1.15		NONE
MOTOR FRAME	215T		213T		NONE
VFD SETPOINT					NONE
SP SETPOINT	ND	1.7"	CFM OFFSET	1,510	NONE
MIN OA DAMP POS	ND	AUTO	NA	NA	NONE

DRIVE PACKAGE/FILTER INFORMATION							
MTR PULLEY ID	DD	MTR BORE SIZE	DD	BELT SIZE	DD	CENT. TO CENT. DD	
FAN PULLEY SIZE	DD	FAN BORE SIZE	DD	BELT QUAT	DD	PLUS	MINUS DD
FILTER SIZE	DD	FILTER QTY	DD	FAN TYPE	BI	UNIT TYPE	DRAW THROUGH



COMMENTS :

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/11/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-6

TECH: RR

DIFFUSER SUMMARY DATA

VVR-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
2-28	S1	24 X 24	S1	150	145	0.97	
	S2	24 X 24	S2	155	155	1.00	
	S3	24 X 24	S1	155	149	0.96	
	S4	24 X 24	S1	100	93	0.93	
			TOTALS	560	542	0.97	
2-29	S1	12 X 12	S1	155	160	1.03	
	S2	24 X 24	S1	155	165	1.06	
	S3	24 X 24	S2	100	94	0.94	
			TOTALS	410	419	1.02	
2-30	S1	12 X 12	S2	150	146	0.97	
	S2	12 X 12	S2	155	160	1.03	
	S3	24 X 24	S1	250	245	0.98	
			TOTALS	555	551	0.99	
2-31	S1	24 X 24	S1	150	154	1.03	
	S2	12 X 12	S2	80	83	1.04	
	S3	24 X 24	S1	150	146	0.97	
	S4	24 X 24	S1	400	389	0.97	
			TOTALS	780	772	0.99	
2-27	S1	12 X 12	S1	155	155	1.00	
	S2	24 X 24	S1	155	145	0.94	
	S3	24 X 24	S2	100	100	1.00	
			TOTALS	410	400	0.98	
COMMENTS:							
NONE							

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/11/2016

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-6

TECH: RR

DIFFUSER SUMMARY DATA

VVR-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
2-26	S1	12 X 12	S2	100	105	1.05	
	S2	24 X 24	S1	200	210	1.05	
	S3	24 X 24	S1	200	189	0.95	
	S4	12 X 12	S2	100	93	0.93	
			TOTALS	600	597	1.00	
2-25	S1	12 X 12	S1	150	152	1.01	
	S2	24 X 24	S2	90	87	0.97	
	S3	24 X 24	S1	200	186	0.93	
			TOTALS	440	425	0.97	
2-24	S1	12 X 12	S1	150	151	1.01	
	S2	12 X 12	S2	50	64	1.28	vd shut
	S3	24 X 24	S1	155	147	0.95	
			S1	155	150	0.97	
			S1	155	153	0.99	
		TOTALS	665	665	1.00		
2-16	S1	24 X 24	S1	80	84	1.05	
	S2	12 X 12	S1	80	76	0.95	
	S3	24 X 24	S1	300	284	0.95	
	S4	24 X 24	S1	150	147	0.98	
		TOTALS	610	591	0.97		
2-21	S1	24 X 24	S1	165	175	1.06	
	S2	24 X 24	S1	165	148	0.90	
	S3	24 X 24	S1	150	151	1.01	
	S4	24 X 24	S1	165	153	0.93	
	S5	24 X 24	S1	165	168	1.02	
	S6	24 X 24	S1	150	156	1.04	
		TOTALS	960	951	0.99		
COMMENTS:							

NONE

DIFFUSER SUMMARY

CLIENT: COBB MECHANICAL

DATE: 4/28/2106

PROJECT: CO GENERAL HOSPITAL

SYSTEM: AHU-6

TECH: RR

DIFFUSER SUMMARY DATA

VVR-ID	INLET / OUTLET ID	DIFFUSER SIZE	DIFFUSER TYPE	DESIGN CFM	FINAL CFM	% OF DESIGN CFM	NOTES
2-15	S1	24 X 24	S1	150	145	0.97	
	S2	24 X 24	S1	155	160	1.03	
	S3	24 X 24	S1	155	156	1.01	
	S4	12 X 12	S2	50	49	0.98	
			TOTALS	510	510	1.00	
2-17	S1	12 X 12	S1	150	145	0.97	
	S2	24 X 24	S2	50	50	1.00	
	S3	24 X 24	S1	155	160	1.03	
	S4	24 X 24	S1	155	155	1.00	
			TOTALS	510	510	1.00	
2-18	S1	12 X 12	S1	155	150	0.97	
	S2	12 X 12	S2	50	52	1.04	
	S3	24 X 24	S1	155	160	1.03	
			TOTALS	360	362	1.01	
2-19	S1	12 X 12	S2	50	51	1.02	
	S2	24 X 24	S1	155	158	1.02	
	S3	24 X 24	S1	155	160	1.03	
			TOTALS	360	369	1.03	
2-20	S1	24 X 24	S1	200	190	0.95	
	S2	24 X 24	S1	200	188	0.94	
	S3	4'	S5	250	265	1.06	
	S4	4'	S5	250	270	1.08	
	S5	24 X 24	S1	100	107	1.07	
			TOTALS	900	913	1.01	
COMMENTS:							
NONE							

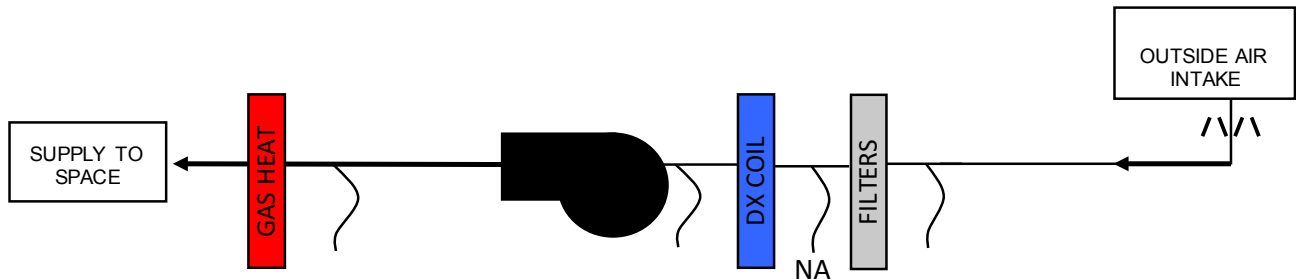
FAN TEST SUMMARY

CLIENT : COBB MECHANICAL
 PROJECT : CO GENERAL HOSPITAL
 UNIT MFG. : GREENHECK
 MODEL NO. : 1GX-109-H12-DB-6

DATE : 3/5/2016
 UNIT ID : MUAF-1
 TECHNICIAN : RR
 SERIAL NO. : 14267974

	DESIGN	NAMEPLATE	INITIAL	FINAL	NOTES
TOTAL CFM	1440		1,776	1,496	NONE
RETURN CFM	0		0	0	NONE
OUTSIDE AIR CFM	1440		1,776	1,496	NONE
TOTAL SP	NOT LISTED	NOT LISTED		0	NONE
DISCH SP / SUCT SP					NONE
EXTERNAL SP	0.5"				NONE
FAN RPM	NOT LISTED				NONE
MOTOR RPM		1775			NONE
MOTOR HP	1/2			BHP	NONE
VOLTS / PHASE	208/230/460/3PH	208/230/460/3PH			NONE
AMPS / SF		1.9/1.98/0.99/ 1.25			NONE
MOTOR FRAME		56			NONE
SP SETPOINT					NONE

MTR SHEAVE:	1VP34	FAN SHEAVE:	AK56	BELT SIZE:	4L510 (1)	FILTER SIZE:	15X20X2
MTR BORE:	5/8	FAN BORE:	3/4	FAN TYPE:	FC	FILTER Qty:	4



COMMENTS : 116" X 14" 11.27 FA DESIGN FPM, 133 ACTUAL FPM,

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR

FAN ID	EF-OR2		
LOCATION	ROOF		
SERVICE	OR2 SMOKE		
MANUFACTURER	GREENHECK		
MODEL NUMBER	CUBE-141-5-F		
SERIAL NUMBER	14327374		
	DESIGN	C	FINAL
CFM	1,800		1,841
TOTAL SP	0.75"		NA
DISCH SUCTION	ATMOS		NAC
FAN RPM	ND		1504
MOTOR RPM	1725		1738
MOTOR HP	0.50		0.50
VOLTS/PHASE	115 1PH		123.7
AMPS	8.8		8.8
FRAME	56Z-65		
EFFICIENCY	NOT LISTED		
TYPE	UPBLAST		

MTR PULLEY ID	2VP36	MTR BORE SIZE	5/8	BELT SIZE	AP20	CENT. TO CENT.	5.75"	
FAN PULLEY SIZE	AK39	FAN BORE SIZE	3/4	BELT Qty	2	PLUS	1"	MINUS 1"
INLET SUMMARY								
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	ACTUAL CFM	%	NOTES	
	24 X 24		1,800	1,841	1,841	1.02	NONE	

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR

FAN ID	EF-OR3		
LOCATION	ROOF		
SERVICE	OR3 SMOKE		
MANUFACTURER	GREENHECK		
MODEL NUMBER	CUBE-141-5-F		
SERIAL NUMBER	14327375		
	DESIGN	C	FINAL
CFM	1,800		1,767
TOTAL SP	0.75"		NA
DISCH SUCTION	ATMOS		NAC
FAN RPM	ND		1487
MOTOR RPM	1725		1727
MOTOR HP	0.50		0.50
VOLTS/PHASE	115 1PH		123.7
AMPS	8.8		8.6
FRAME	56Z-65		
EFFICIENCY	NOT LISTED		
TYPE	UPBLAST		

MTR PULLEY ID	2VP36	MTR BORE SIZE	5/8	BELT SIZE	AP20	CENT. TO CENT.	5.75"	
FAN PULLEY SIZE	AK39	FAN BORE SIZE	3/4	BELT Qty	2	PLUS	1"	MINUS 1"
INLET SUMMARY								
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	ACTUAL CFM	%	NOTES	
	24 X 24		1,800	1,767	1,767	0.98	NONE	

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR,PH

FAN ID	EF-3		
LOCATION	ROOF		
SERVICE	WARE WASH		
MANUFACTURER	GREENHECK		
MODEL NUMBER	CUE-080-VG		
SERIAL NUMBER			
	DESIGN	C	FINAL
CFM	230		241
TOTAL SP	0.75"		
DISCH SUCTION	ATMOS		NAC
FAN RPM	DD		DD
MOTOR RPM	300-1725		
MOTOR HP	0.17		
VOLTS/PHASE	115/1		123
AMPS			0.1
FRAME	NOT LISTED		
EFFICIENCY	NOT LISTED		
TYPE	UP BLAST		

INLET SUMMARY							
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	ACTUAL CFM	%	NOTES
E1	24 X 24	E1	230	554	241	1.05	NONE
		TOTAL	230	554	241	1.05	NONE

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR

FAN ID	EF-5		
LOCATION	ROOF		
SERVICE	KITCHEN HOOD		
MANUFACTURER	GREENHECK		
MODEL NUMBER	CUE-131-VG		
SERIAL NUMBER			
	DESIGN	C	FINAL
CFM	1,800		1,821
TOTAL SP	1.5"		
DISCH SUCTION	NA		
FAN RPM	DD		DD
MOTOR RPM			
MOTOR HP/BHP	0.75		
VOLTS/PHASE	115/1		123
AMPS			5.3
FRAME			
EFFICIENCY			
TYPE	UP BLAST		

MTR PULLEY ID	DD	MTR BORE SIZE	DD	BELT SIZE	DD	CENT. TO CENT.	DD		
FAN PULLEY SIZE	DD	FAN BORE SIZE	DD	BELT Qty	DD	PLUS	DD	MINUS	DD

TRAVERSE SUMMARY

TRAVERSE ID	DUCT SIZE IN "	SQ.FT.	DESIGN CFM	AVG. FPM	ACTUAL CFM	SP	NOTES
KEF-1	20 x 16 (6)	1.72	1,800	177	1,821		NONE

		1	2	3	4	5	6			
		189	177	174	165	170	184			

LEFT

VELOCITY IN FPM FOR READINGS

RIGHT

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR,PH

FAN ID	EF-7		
LOCATION	ROOF		
SERVICE	2ND FLR GENERAL		
MANUFACTURER	GREENHECK		
MODEL NUMBER	SWD-13-VG-7-CW-TH-X		
SERIAL NUMBER	14312949		
	DESIGN	C	FINAL
CFM	1,615		1,634
TOTAL SP	0.75"		
DISCH	SUCTION	NA	NAC
FAN RPM	DD		
MOTOR RPM	300-1725		
MOTOR HP	4-Mar		
VOLTS/PHASE	120		119
AMPS	10.1		1.3
FRAME	NOT LISTED		
EFFICIENCY	NOT LISTED		
TYPE	BI		

INLET SUMMARY							
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	FINAL CFM	%	NOTES
E1	12 X 12	E2	100	118	99	0.99	NONE
E2	12 X 12	E2	100	140	104	1.04	NONE
E3	12 X 12	E2	185	133	183	0.99	NONE
E4	12 X 12	E2	100	76	101	1.01	NONE
E5	12 X 12	E2	100	72	98	0.98	NONE
E6	12 X 12	E2	100	56	102	1.02	NONE
E7	12 X 12	E2	100	59	99	0.99	NONE
E8	12 X 12	E2	130	100	131	1.01	NONE
E9	12 X 12	E2	100	44	104	1.04	NONE
E10	12 X 12	E2	100	44	105	1.05	NONE
E11	12 X 12	E2	100	50	102	1.02	NONE
E12	12 X 12	E2	100	0	107	1.07	NONE
E13	12 X 12	E2	100	34	105	1.05	NONE
E14	12 X 12	E2	100	46	103	1.03	NONE
E15	12 X 12	E2	100	55	91	0.91	NONE
		TOTALS	1,615	1,027	1,634	1.01	NONE

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR,PH

FAN ID	EF-9		
LOCATION	ROOF		
SERVICE	2ND FLR GENERAL		
MANUFACTURER	GREENHECK		
MODEL NUMBER	WD-10-VG-4-CW-BAU-		
SERIAL NUMBER	14312951		
	DESIGN	C	FINAL
CFM	750		741
TOTAL SP	0.75"		
DISCH	SUCTION		
FAN RPM	DD		DD
MOTOR RPM	300-1725		
MOTOR HP/BHP	0.25		0.08
VOLTS/PHASE	120		123
AMPS	3.5		1.1
FRAME	NOT LISTED		
EFFICIENCY	NOT LISTED		
TYPE	UTILITY SET		

TRAVERSE SUMMARY							
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	FINAL CFM	%	NOTES
E1	12 X 12	E2	150	221	153	1.02	NONE
E2	12 X 12	E2	150	298	146	0.97	NONE
E3	12 X 12	E2	150	210	155	1.03	NONE
E4	12 X 12	E2	150	200	148	0.99	NONE
E5	12 X 12	E2	150	193	139	0.93	NONE
		TOTALS	750	1,122	741	0.99	NONE

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR,PH

FAN ID	EF-10		
LOCATION	ROOF		
SERVICE	ELEV SMOKE		
MANUFACTURER	GREENHECK		
MODEL NUMBER	USF-320-10-BI-75		
SERIAL NUMBER	14262388		
	DESIGN	C	FINAL
CFM	8,000		7,511
TOTAL SP	1.5"		
DISCH	SUCTION		
FAN RPM			
MOTOR RPM	1770		
MOTOR HP/BHP	7.5		
VOLTS/PHASE	460/3	493/492/494	
AMPS	9.7/1.15	7.3/7.2/7.3	
FRAME	213T		
EFFICIENCY	91.00%		
TYPE	UTILITY SET		

MTR PULLEY ID	2BK67	MTR BORE SIZE	QT 1 3/8	BELT SIZE	BX 48	CENT. TO CENT.	15.5"	
FAN PULLEY SIZE	2BK62	FAN BORE SIZE	QT 1 3/16	BELT Qty	2	PLUS	0"	MINUS 4"
TRAVERSE SUMMARY								
TRAVERSE ID	DUCT SIZE IN "	SQ.FT.	DESIGN CFM	AVG. FPM	ACTUAL CFM	SP	NOTES	
EAT-1	22" ROUND	2.64	8,000	2,845	7,511		NONE	

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR,PH

FAN ID	EF-12		
LOCATION	ROOF		
SERVICE	2ND FLR GENERAL		
MANUFACTURER	GREENHECK		
MODEL NUMBER	SWD-8-VG		
SERIAL NUMBER			
	DESIGN	C	FINAL
CFM	440		451
TOTAL SP	0.75"		
DISCH SUCTION	NA		
FAN RPM	DD		
MOTOR RPM	300-2500		
MOTOR HP	0.5		
VOLTS/PHASE	120		
AMPS	6.9		
FRAME	NOT LISTED		
EFFICIENCY	NOT LISTED		
TYPE	UTILITY SET		

TRAVERSE SUMMARY							
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	FINAL CFM	%	NOTES
E1	12 X 12	E2	100	221	103	1.03	NONE
E2	12 X 12	E2	100	234	107	1.07	NONE
E3	12 X 12	E2	140	300	150	1.07	NONE
E4	12 X 12	E2	100	154	91	0.91	NONE
		TOTALS	440	909	451	1.03	NONE

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 29-Apr-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR

FAN ID	EF-ISO1		
LOCATION	ROOF		
SERVICE	ISO1		
MANUFACTURER	GREENHECK		
MODEL NUMBER	CUE-101HP-VG		
SERIAL NUMBER			
	DESIGN	C	FINAL
CFM	420		442
TOTAL SP	0.75		
DISCH SUCTION	NA		
FAN RPM	DD		
MOTOR RPM			
MOTOR HP	1/2		
VOLTS/PHASE	120		
AMPS			3.4
FRAME	NOT LISTED		
EFFICIENCY	NOT LISTED		
TYPE	UP BLAST		

MTR PULLEY ID	DD	MTR BORE SIZE	DD	BELT SIZE	DD	CENT. TO CENT.	DD		
FAN PULLEY SIZE	DD	FAN BORE SIZE	DD	BELT Qty	DD	PLUS	DD	MINUS	DD
INLET SUMMARY									
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	ACTUAL CFM	%	NOTES		
E1	12 X 6	E3	320	554	345	1.08	NONE		
E2	12 X 12	E2	100	296	97	0.97	NONE		
			420	850	442	1.05	NONE		

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 5-Mar-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR,PH

FAN ID	EF-ISO2		
LOCATION	ROOF		
SERVICE	ISO2		
MANUFACTURER	GREENHECK		
MODEL NUMBER	CUE-101HP-VG-5-X		
SERIAL NUMBER	14326890		
	DESIGN	C	FINAL
CFM	400		
TOTAL SP	0.75"		
DISCH SUCTION	NA		
FAN RPM	DD		
MOTOR RPM	2500		
MOTOR HP/BHP	0.50		
VOLTS/PHASE	120		
AMPS	4.00		3.2
FRAME	NOT LISTED		
EFFICIENCY	NOT LISTED		
TYPE	UTILITY SET		

MTR PULLEY ID								DD	MTR BORE SIZE		DD	BELT SIZE	DD	CENT. TO CENT.	DD
FAN PULLEY SIZE		DD	FAN BORE SIZE		DD	BELT Qty	DD	PLUS	DD	MINUS	DD				
INLET SUMMARY															
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	ACTUAL CFM	%	NOTES								
E1			400	660	432		NONE								

FAN TEST SUMMARY

OWNER : COBB MECHANICAL **DATE :** 29-Apr-2016
PROJECT : CO GENERAL HOSPITAL **TECHNICIAN :** RR

FAN ID	EF-ISO3		
LOCATION	ROOF		
SERVICE	ISO3		
MANUFACTURER	GREENHECK		
MODEL NUMBER	SWD-10-VG-4-CW-TH-X		
SERIAL NUMBER	14312953		
	DESIGN	C	FINAL
CFM	730		751
TOTAL SP	0.75"		
DISCH	SUCTION		
FAN RPM	DD		DD
MOTOR RPM	300-1725		
MOTOR HP/BHP	0.25		0.15
VOLTS/PHASE	120		123
AMPS	3.5		2.1
FRAME	NOT LISTED		
EFFICIENCY	NOT LISTED		
TYPE	UTILITY SET		

MTR PULLEY ID	DD	MTR BORE SIZE	DD	BELT SIZE	DD	CENT. TO CENT.	DD
FAN PULLEY SIZE	DD	FAN BORE SIZE	DD	BELT Qty	DD	PLUS	DD MINUS DD
INLET SUMMARY							
INLET ID	SIZE	TYPE	DESIGN CFM	INITIAL	ACTUAL CFM	%	NOTES
E1	10 X 10	E2	120	210	124	1.03	NONE
E2	24 X 24	E1	510	676	530	1.04	NONE
E3	25 X 24	E2	100	120	97	0.97	NONE
			730	1,006	751	1.03	NONE

