Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246

NATIONAL TAB

Comfort. Under control.

Report: PRELIM
Function: Test, Adjust, & Balance
Date: 11/03/2022

PROJECT

DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

1 Childrens Plaza

Dayton, OH 45404

Client

Cinfab, LLC

5240 Lester Road

Cincinnati, OH 45213

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

Table Of Contents

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: AHU-DUAL FAN

Comfort. Under control.

Asset: AHU-63 AREA:6-6503

UNIT DATA - SUPPLY		
	Design	**Actual**
Manufacturer	TRANE	TRANE
Model Number	NA	TCPA0AD29C4M3322S0209
Serial Number	-	M21J00093
No. Pre-Filters / Size (1)	-	45, 24"X24"X2"
No. Final Filters / Size (1)	-	45, 24"X24"X22"

MOTOR DATA - SUPPLY		
	Design	**Actual**
Motor MFG / Frame	-	BALDOR / 256
Horsepower / RPM	-	30 / 1800
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	38 / 1.15

DRIVE DATA - SUPPLY		
	Design	**Actual**

TEST DATA - SUPPLY		
	Design	**Actual**
Total CFM	85000 / 64480	65522 (connected)
OA CFM	14000	14876
VFD Speed	77.0hz / 56hz	56.2 HZ
RL Voltage	460	318 VFD
RL Amperage	-	17.1 VFD

PERFORMANCE DATA - SUPPLY		
	Design	**Actual**
Static Pressure Stpt	-	1.20"
Suction S.P.	-	1.24"
Discharge S.P.	-	1.38"
Total S.P.	-	2.64"
Chilled Water Coil P.D.	0.62	0.37"
Pre Heat Coil P.D.	0.10	0.08"
Final Filters P.D.	0.39	NOT INSTALLED
Pre-Filters P.D.	0.23	0.42"
Total ESP	4.0"	3.4"

UNIT DATA - EXHAUST/RETURN		
	Design	**Actual**

MOTOR DATA - EXHAUST/RETURN		
	Design	**Actual**
Motor MFG / FRAME	-	BALDOR / 256
Horsepower / RPM	-	10 / 1180
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	14.1 / 1.15

DRIVE DATA - EXHAUST/RETURN		
	Design	**Actual**

TEST DATA - EXHAUST/RETURN		
	Design	**Actual**
Total CFM	80000 / 50450	50125 (connected)
VFD Speed	67hz / 56hz	55.8 HZ
RL Voltage	-	301 VFD
RL Amperage	-	8.9 VFD

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	**Actual**
Static Pressure Stpt	-	1.25"
Suction S.P.	-	2.02"
Discharge S.P.	-	0.12"
Total S.P.	3.150"	2.14"

Completed By: Nick Payne

Notes: Flow Station K Factors Supply 0.825 Return 0.715 OA Min 1.715 OA Econ 1.317

Comfort. Under control.

VAV - Single Duct

AHU-63/6-6503

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
63-1-01	NAILOR	D30RE	VAV	9"	780	799	780	784	515	521	1544.9
63-1-02	NAILOR	D30RE	VAV	24"	2420		2420		2180		
63-1-03	NAILOR	D30RE	VAV	16"	1890	1901	1890	1891	945	956	3230.9
63-1-04	NAILOR	D30RE	VAV	9"	750	759	750	751	715	720	1537.9
63-1-05	NAILOR	D30RE	VAV	9"	795	802	795	797	760	768	1560.8
63-1-06	NAILOR	D30RE	VAV	7"	450	451	140	142	225	231	924.1
63-1-07	NAILOR	D30RE	VAV	6"	140	144	70	74	140	141	556.4
63-1-08	NAILOR	D30RE	VAV	6"	300	303	70	72	150	149	529.4
63-1-09	NAILOR	D30RE	VAV	6"	245	243	70	72	125	129	484.6
63-1-10	NAILOR	D30RE	VAV	7"	430	417	410	409	410	413	933.4
63-1-11	NAILOR	D30RE	VAV	6"	200	197	125	132	125	127	527.6
63-1-12	NAILOR	D30RE	VAV	6"	240	243	160	162	160	158	516.0
63-1-13	NAILOR	D30RE	VAV	6"	240	245	170	174	170	165	504.2
63-1-14	NAILOR	D30RE	VAV	7"	530	526	465	459	465	471	965.9
63-1-15	NAILOR	D30RE	VAV	6"	240	249	160	162	160	158	552.6
63-1-16	NAILOR	D30RE	VAV	6"	240	252	160	164	160	163	612.2
63-1-17	NAILOR	D30RE	VAV	6"	180	191	65	71	90	92	569.1
63-1-18	NAILOR	D30RE	VAV	6"	180	180	100	102	100	101	501.2
63-1-19	NAILOR	D30RE	VAV	6"	140	138	80	82	80	81	477.6
63-2-01	NAILOR	D30RE	VAV	12"	980	1002	615	621	615	621	2081.7
63-2-02	NAILOR	D30RE	VAV	7"	400	401	300	304	300	304	966.3
63-2-03	NAILOR	D30RE	VAV	9"	870	868	770	760	770	760	1477.3
63-2-04	NAILOR	D30RE	VAV	9"	650	660	650	647	650	643	1574.8
63-2-05	NAILOR	D30RE	VAV	14"	1280	1290	400	406	835	835	2639.2
63-2-06	NAILOR	D30RE	VAV	12"	1180	1351	350	360	590	596	1867.3
63-2-07	NAILOR	D30RE	VAV	14"	1555	1557	445	451	780	775	3007.9
63-2-08	NAILOR	D30RE	VAV	6"	200	206	150	154	150	154	487.9
63-2-09	NAILOR	D30RE	VAV	6"	175	174	165	167	165	169	512.6
63-2-10	NAILOR	D30RE	VAV	9"	885	867	605	601	605	601	1622.6
63-2-11	NAILOR	D30RE	VAV	12"	1175	1176	400	409	765	771	2091.8
63-2-12	NAILOR	D30RE	VAV	14"	1715	1734	400	406	1115	1184	2697.2
63-2-13	NAILOR	D30RE	VAV	12"	1200	1194	300	312	600	592	2151.7
63-2-14	NAILOR	D30RE		24"	3500		1000		2275		
63-2-15	NAILOR	D30RE	VAV	6"	100	99	70	69	100	99	629.8
63-2-16	NAILOR	D30RE	VAV	24"	2420	2440	1105	1115	2180	2204	5720
63-2-17	NAILOR	D30RE	VAV	6"	150	150	70	74	75	74	492.7
63-2-18	NAILOR	D30RE	VAV	6"	300		300		300		
63-2-19	NAILOR	D30RE	VAV	7"	370	367	100	108	185	188	978.1
63-2-20	NAILOR	D30RE	VAV	3"	200	196	150	153	150	153	535.2
63-3-01	NAILOR	D30RE	VAV	10"	770	806	510	512	510	518	1381.8
63-3-02	NAILOR	D30RE	VAV	10"	800	832	510	517	510	522	1537.6
63-3-03	NAILOR	D30RE	VAV	12"	900	921	290	298	450	456	2131.3
63-3-04	NAILOR	D30RE	VAV	6"	300	315	225	230	225	237	525.4
63-3-05	NAILOR	D30RE	VAV	8"	400	403	125	130	200	208	986.4
63-3-06	NAILOR	D30RE	VAV	8"	600	627	290	313	300	305	935.6
63-3-07	NAILOR	D30RE	VAV	6"	360	375	360	362	360	370	667.6
63-3-08	NAILOR	D30RE	VAV	6"	350	346	70.	72	175	180	474.2
63-3-09	NAILOR	D30RE	VAV	16"	1860	1859	450	461	1210	1224	3525.9
63-3-10	NAILOR	D30RE	VAV	8"	530	548	170	177	265	272	940.2
63-3-11	NAILOR	D30RE	VAV	8"	600	620	290	293	300	319	901.6
63-3-12	NAILOR	D30RE	VAV	8"	600	626	225	230	300	303	988.1
63-3-13	NAILOR	D30RE	VAV	8"	400	399	320	313	320	327	1019.2
63-3-14	NAILOR	D30RE	VAV	8"	425	432	425	427	425	420	917.4
63-3-15	NAILOR	D30RE	VAV	6"	200	195	70	72	100	101	560.0
63-3-16	NAILOR	D30RE	VAV	6"	350	368	350	368	350	362	547.1
63-3-17	NAILOR	D30RE	VAV	8"	400	414	320	322	320	329	964.9
63-3-18	NAILOR	D30RE	VAV	10"	655	669	655	660	655	649	1437.6
63-3-19	NAILOR	D30RE	VAV	6"	200	206	190	199	190	194	522.9
63-3-20	NAILOR	D30RE	VAV	10"	805	816	805	822	805	801	1648.34
63-3-21	NAILOR	D30RE	VAV	8"	550	549	125	130	330	333	913.3
63-3-22	NAILOR	D30RE	VAV	8"	600	608	125	130	360	368	947.6
63-3-23	NAILOR	D30RE	VAV	10"	825	852	225	230	495	487	1630.2
63-3-24	NAILOR	D30RE	VAV	8"	600	611	125	130	360	372	943.3
63-3-25	NAILOR	D30RE	VAV	8"	365	377	125	130	220	228	929.3
63-3-26	NAILOR	D30RE	VAV	8"	400	424	320	333	320	311	927.4

63-3-27	NAILOR	D30RE	VAV	8"	485	500	485	492	485	499	919.8
63-3-28	NAILOR	D30RE	VAV	6"	295	314	75	78	150	159	504.3
63-3-29	NAILOR	D30RE	VAV	6"	250	256	75	78	125	130	487.1
63-4-01	NAILOR	D30RE	VAV	9"	740	736	550	549	550	561	1210.2
63-4-02	NAILOR	D30RE	VAV	6"	200	213	150	155	150	148	562.7
63-4-03	NAILOR	D30RE	VAV	6"	160	164	65	66	80	82	502.3
63-4-04	NAILOR	D30RE	VAV	16"	1860	1875	430	436	1210	1218	3189.6
63-4-05	NAILOR	D30RE	VAV	7"	415	425	160	169	210	213	702.3
63-4-06	NAILOR	D30RE	VAV	12"	915	936	915	920	915	909	2183.5
63-4-07	NAILOR	D30RE	VAV	7"	315	316	240	237	240	242	759.6
63-4-08	NAILOR	D30RE	VAV	7"	400	428	300	317	300	310	723.5
63-4-09	NAILOR	D30RE	VAV	7"	400	420	300	313	300	310	734.0
63-4-10	NAILOR	D30RE	VAV	6"	175	179	165	170	165	161	575.6
63-4-11	NAILOR	D30RE	VAV	14"	1715	1735	360	372	1115	1142	2738.6
63-4-12	NAILOR	D30RE	VAV	9"	640	650	235	242	420	427	1236.3
63-4-13	NAILOR	D30RE	VAV	6"	300	296	225	230	225	231	520.8
63-4-14	NAILOR	D30RE	VAV	9"	660	686	660	644	660	655	1314.6
63-4-15	NAILOR	D30RE	VAV	7"	440	446	170	177	265	288	702.8
63-4-16	NAILOR	D30RE	VAV	9"	620	640	165	172	310	312	1134.6
63-4-17	NAILOR	D30RE	VAV	6"	325	340	180	188	195	190	533.9
63-4-18	NAILOR	D30RE	VAV	6"	200	210	150	162	150	155	588.3
63-4-19	NAILOR	D30RE	CAV	9"	730	759	730	725	730	740	1353.9
63-4-20	NAILOR	D30RE	VAV	6"	200	208	200	210	200	206	552.3
63-4-21	NAILOR	D30RE	VAV	9"	805	797	805	792	805	815	1070.0
63-4-22	NAILOR	D30RE	VAV	9"	735	747	165	164	445	453	1071.0
63-4-23	NAILOR	D30RE	VAV	6"	100	98	100	105	100	92	432.4
63-5-01	NAILOR	D30RE	VAV	16"	1600	1668	0	0	1600	1621	3743.2
63-5-02	NAILOR	D30RE	VAV	16"	1860	1875	500	509	1210	1222	3448.9
63-6-01	NAILOR	D30RE	VAV	14"	1500	1533	1000	1020	1000	1032	3005
63-6-02	NAILOR	D30RE	VAV	12"	900	906	0	0	0	0	2052.77

Diffuser Ret/Exh (GRD)

AHU-63/6-6503

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
R63-1-1	J1	24"X24"	1620					-
R63-1-2	J1	24"X24"	1500					-
R63-1-3	J1	24"X24"	1500					-
R63-1-4	J1	24"X12"	75					-
R63-1-5	J1	24"X12"	200					-
R63-1-6	J1	24"X12"	150					-
R63-1-7	J1	24"X12"	300					-
R63-1-8	J1	24"X12"	50					-
R63-1-9	J1	24"X12"	75					-
R63-1-10	J1	24"X12"	400					-
R63-1-11	J2	24"X24"	1270					-
R63-1-12	J1	24"X12"	75					-
R63-1-13	J1	24"X12"	400					-
R63-1-14	J1	24"X12"	75					-
R63-1-15	J1	24"X12"	75					-
R63-1-16	J1	24"X12"	200					-
R63-1-17	J1	12"X24"	140					-
R63-1-18	J1	24"X12"	120					-
R63-1-19	J1	24"X12"	120					-
R63-1-20	J1	12"X24"	90					-
R63-1-21	J1	24"X12"	120					-
R63-1-22	J1	24"X12"	120					-
R63-1-23	J1	24"X12"	120					-
R63-1-24	J1	24"X12"	120					-
R63-1-25	J1	12"X24"	90					-
R63-1-26	J1	24"X12"	120					-
R63-1-27	J1	12"X24"	90					-
R63-1-28	J1	24"X12"	120					-
R63-1-29	J1	12"X24"	90					-
R63-1-30	J1	24"X12"	425					-
R63-2-1	J1	24"X12"	75					-
R63-2-2	J1	24"X24"	1620					-
R63-2-3	J1	24"X24"	1100					-
R63-2-4	J1	24"X24"	1550					-
R63-2-5	J1	24"X24"	1550					-
R63-2-6	J1	24"X12"	650					-
R63-2-7	J1	24"X12"	135					-
R63-2-8	J1	24"X12"	100					-
R63-2-9	J1	24"X12"	100					-
R63-2-10	J1	24"X12"	175					-
R63-2-11	J1	24"X12"	100					-
R63-2-12	J1	24"X12"	370					-
R63-2-13	J1	24"X12"	100					-
R63-2-14	H1	8"X12"	100					-
R63-2-15	J1	24"X24"	1070					-
R63-2-16	J1	24"X12"	100					-
R63-2-17	J1	24"X12"	100					-
R63-2-18	J1	24"X12"	100					-
R63-2-19	J2	24"X12"	225					-
R63-2-20	J1	24"X12"	200					-
R63-2-21	J1	24"X12"	100					-
R63-2-22	J1	24"X24"	1550					-
R63-2-23	J1	24"X12"	105					-
R63-2-24	J2	24"X24"	1550					-
R63-2-25	J1	24"X12"	150					-
R63-2-26	J1	24"X24"	1550					-
R63-2-27	J1	24"X12"	110					-
R63-2-28	J1	24"X12"	100					-
R63-3-1	J1	24"X12"	120		219	125		-
R63-3-2	J1	24"X24"	825		1408	834		-
R63-3-3	J1	24"X12"	350		387	339		-
R63-3-4	J1	24"X12"	140		291	135		-
R63-3-5	J1	24"X12"	75		172	77		-
R63-3-6	J1	24"X12"	200		347	186		-
R63-3-7	J1	24"X12"	365		409	355		-

R63-3-8	J1	24"X12"	100		321	106		-
R63-3-9	J1	24"X12"	300		316	312		-
R63-3-10	J1	24"X12"	300		498	285		-
R63-3-11	J1	24"X12"	100		241	101		-
R63-3-12	J1	24"X12"	100		230	97		-
R63-3-13	J1	24"X12"	100		46	104		-
R63-3-14	J1	24"X12"	170		321	167		-
R63-3-15	J1	24"X12"	170		303	174		-
R63-3-16	J1	24"X12"	100		178	95		-
R63-3-17	J1	24"X12"	100		197	99		-
R63-3-18	J1	24"X12"	100		104	108		-
R63-3-19	J1	24"X12"	100		169	104		-
R63-3-20	J1	24"X12"	300		220	277		-
R63-3-21	J1	24"x24"	600		201	620		-
R63-3-22	J1	24"X12"	100		304	107		-
R63-3-23	J1	24"X12"	100		290	92		-
R63-3-24	J1	24"X12"	100		216	102		-
R63-3-25	J1	24"X12"	125		200	119		-
R63-3-26	J1	24"X12"	170		205	172		-
R63-3-27	J1	24"X12"	100		19	105		-
R63-3-28	J1	24"X12"	170			167		-
R63-3-29	J1	24"X12"	300			280		-
R63-3-30	J1	24"X12"	550			522		-
R63-3-31	J1	24"X12"	200	240	240	198		-
R63-3-32	J1	24"x24"	800		705	834		-
R63-3-33	J1	24"X12"	125			120		-
R63-3-34	J1	24"X12"	125			126		-
R63-3-35	J1	24"X12"	125			117		-
R63-3-36	J1	24"X12"	225			219		-
R63-3-37	J1	24"X12"	400			398		-
R63-3-38	J1	24"X12"	300			310		-
R63-3-39	J1	24"x24"	900			926		-
R63-3-40	J2	24"x24"	600			587		-
R63-3-41	J2	24"x24"	600			597		-
R63-3-42	J1	24"x24"	600			583		-
R63-3-43	J1	24"X12"	100			105		-
R63-3-44	J1	24"X12"	100			109		-
R63-3-45	J1	24"X12"	100			95		-
R63-3-46	J1	24"X12"	135			129		-
R63-3-47	J1	24"X12"	225			234		-
R63-3-48	J2	24"x24"	1100			1065		-
R63-3-49	J2	24"x24"	1100			1009		-
R63-3-50	J1	24"X12"	100			105		-
R63-4-1	J1	24"X12"	120	381	381	107		-
R63-4-2	J1	24"X24"	735	1495	1495	713		-
R63-4-3	J1	24"X12"	115	245	245	104		-
R63-4-4	J1	24"X12"	75	246	246	69		-
R63-4-5	J1	24"X12"	100	307	307	92		-
R63-4-6	J1	24"X12"	100	259	259	105		-
R63-4-7	J1	24"X12"	325	421	421	314		-
R63-4-8	J1	24"X12"	220	404	404	205		-
R63-4-9	J1	24"X24"	620	456	456	605		-
R63-4-10	J1	24"X12"	220	298	298	218		-
R63-4-11	J1	24"X12"	220	163	163	230		-
R63-4-12	J1	24"X24"	830	436	436	824		-
R63-4-13	J1	24"X12"	100	97	97	105		-
R63-4-14	J1	24"X12"	220	101	101	204		-
R63-4-15	J1	24"X12"	100	66	67	109		-
R63-4-16	J1	24"X12"	100	53	91	99		-
R63-4-17	J1	24"X12"	100	32	32	101		-
R63-4-18	J1	24"X12"	350	578	578	329		-
R63-4-19	J1	24"X12"	115	301	301	109		-
R63-4-20	J1	24"X12"	175	620	620	168		-
R63-4-21	J1	24"X12"	100	380	380	107		-
R63-4-22	J1	24"X12"	100	322	322	95		-
R63-4-23	J1	24"X12"	100	357		102		-
R63-4-24	J1	24"X12"	100	329		95		-
R63-4-25	J1	24"X12"	100	699		108		-
R63-4-26	J1	24"X12"	100	283		105		-

R63-4-27	J1	24"X24"	830	288		837		-
R63-4-28	J1	24"X12"	100	236		94		-
R63-4-29	J1	24"X12"	100	308		98		-
R63-4-30	J1	24"X12"	100	211		105		-
R63-4-31	J1	24"X12"	115	255		116		-
R63-4-32	J1	24"X12"	100	215		91		-
R63-4-33	J2	24"X12"	195	237		208		-
R63-4-34	J2	24"X24"	1165	699		1212		-
R63-4-35	J2	24"X24"	1165	652		1188		-
R63-4-36	J2	24"X24"	1165	652		1105		-
R63-6-1	H1	30"X12"	900	467				-

Diffuser Supply (GRD)

63-1-01/6-1512

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-01-1	6-1006-1	A1	6"	155	198	153	98.7
63-1-01-2	6-1006-1	A1	6"	155	224	151	97.4
63-1-01-3	6-1006-1	A1	6"	155	203	166	107.1
63-1-01-4	6-1200	A1	6"	155	219	160	103.2
63-1-01-5	6-1200	A1	6"	160	198	169	105.6

63-1-02/2ND FLR CONNECTOR

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-02-1	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-2	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-3	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-4	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-5	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-6	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-7	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-8	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-9	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-10	1ST FLR CONNECTOR	S1	8"	165			-
63-1-02-11	1ST FLR CONNECTOR	S1	8"	160			-
63-1-02-12	1ST FLR CONNECTOR	S1	8"	160			-
63-1-02-13	1ST FLR CONNECTOR	A1	8"	225			-
63-1-02-14	1ST FLR CONNECTOR	A1	8"	225			-

63-1-03/6-1510

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-03-1	6-1002	A1	8"	190	253	197	103.7
63-1-03-2	6-1002	A1	8"	180	220	175	97.2
63-1-03-3	6-1002	A1	8"	180	198	173	96.1
63-1-03-4	6-1002	A1	8"	180	184	185	102.8
63-1-03-5	6-1002	A1	8"	180	166	182	101.1
63-1-03-6	6-1002	S1	10"	200	199	175	87.5
63-1-03-7	6-1002	S1	10"	200	202	198	99.0
63-1-03-8	6-1002	S1	10"	200	153	206	103.0
63-1-03-9	6-1002	S1	10"	200	201	212	106.0
63-1-03-10	6-1002	S1	10"	200	239	198	99.0

63-1-04/6-1004

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-04-1	6-1510	A1	6"	75	163	76	101.3
63-1-04-2	6-1501	A1	6"	75	177	70	93.3
63-1-04-3	6-1507-1	A1	6"	100	177	101	101.0
63-1-04-4	6-1500	A1	8"	200	44	197	98.5
63-1-04-5	6-1500	S1	10"	200	281	206	103.0
63-1-04-6	6-1513	A1	6"	100	163	109	109.0

63-1-05/6-1101

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-05-1	6-1004	A1	6"	135	164	134	99.3
63-1-05-2	6-1004	A1	6"	135	174	130	96.3
63-1-05-3	6-1004	A1	6"	135	164	139	103.0
63-1-05-4	6-1004	A1	6"	135	160	145	107.4
63-1-05-5	6-1004	A2	6"	130	161	127	97.7
63-1-05-6	6-1003	A1	6"	50	102	51	102.0
63-1-05-7	6-1002	A1	6"	75	148	76	101.3

63-1-06/6-1102

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-06-1	6-1101	A1	6"	125	176	137	109.6
63-1-06-2	6-1101	A1	6"	125	143	122	97.6
63-1-06-3	6-1101	A1	6"	125	171	122	97.6
63-1-06-4	6-1102A	A2	6"	75	143	70	93.3

63-1-07/6-1102

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-07-1	6-1103	A1	6"	50	83	48	96.0
63-1-07-2	6-1102	A1	6"	90	90	96	106.7

63-1-08/6-1104

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-08-1	6-1104	A1	10"	300	361	303	101.0

63-1-09/6-1512

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-09-1	6-1511	A1	6"	125	124	114	91.2
63-1-09-2	6-1512	A1	6"	120	138	129	107.5

63-1-10/6-1115

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-10-1	6-1116	A1	6"	100	206	101	101.0
63-1-10-2	6-1116	A1	6"	80	127	76	95.0
63-1-10-3	6-1114	A1	6"	150	130	148	98.7
63-1-10-4	6-1116	A1	6"	100	148	92	92.0

63-1-11/6-1115

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-11-1	6-1115	A1	8"	200	232	197	98.5

63-1-12/6-1110

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-12-1	6-1111	A1	6"	120	238	115	95.8
63-1-12-2	6-1113	A1	6"	120	22	128	106.7

63-1-13/6-1100

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-13-1	6-1110	A1	6"	120	145	129	107.5
63-1-13-2	6-1112	A1	6"	120	123	116	96.7

63-1-14/6-1100

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-14-1	6-1100	A1	6"	150	242	152	101.3
63-1-14-2	HALL	A1	6"	115	90	109	94.8
63-1-14-3	6-1100	A1	6"	150	226	149	99.3
63-1-14-4	6-1116	A1	6"	115	224	116	100.9

63-1-15/6-1109

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-15-1	6-1108	A1	6"	120	150	119	99.2
63-1-15-2	6-1109	A1	6"	120	140	130	108.3

63-1-16/6-1118

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-16-1	6-1106	A1	6"	120	43	125	104.2
63-1-16-2	6-1107	A1	6"	120	285	127	105.8

63-1-17/6-1118

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-17-1	6-1118	A1	6"	90	117	96	106.7
63-1-17-2	6-1119	A1	6"	90	108	95	105.6

63-1-18/6-1121

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-1-18-1	6-1120	A1	6"	90	91	93	103.3
63-1-18-2	6-1121	A1	6"	90	107	87	96.7

63-2-01/6-2008

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-01-1	6-2008	A1	6"	110	201	115	104.5
63-2-01-2	6-2200	A1	8"	225	44	226	100.4
63-2-01-3	6-2008	A1	6"	115	166	112	97.4
63-2-01-4	6-2009	A1	6"	200	204	211	105.5
63-2-01-5	6-2011	A2	6"	50	86	54	108.0
63-2-01-6	6-2008	A1	6"	115	40	121	105.2
63-2-01-7	6-2010	A2	6"	50	184	54	108.0
63-2-01-8	6-2008	A1	6"	115	195	109	94.8

63-2-02/6-2211

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-02-1	6-2203	A1	6"	100	152	108	108.0
63-2-02-2	6-2204	A1	6"	100	136	98	98.0
63-2-02-3	6-2210	A1	6"	100	145	101	101.0
63-2-02-4	6-2211	A1	6"	100	162	94	94.0

63-2-04/6-2001

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-04-1	6-2001	A1	10"	325	422	312	96.0
63-2-04-2	6-2001	A1	10"	325	456	348	107.1

63-2-05/6-2007

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-05-1	6-2007	S3	12"	320	356	313	97.8
63-2-05-2	6-2007	S3	12"	320	299	310	96.9
63-2-05-3	6-2007	S3	12"	320	316	332	103.8
63-2-05-4	6-2007	S3	12"	320	338	335	104.7

63-2-06/6-2100

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-06-1	6-2005	A1	6"	150	170	154	102.7
63-2-06-2	6-2006	A1	8"	185	164	188	101.6
63-2-06-3	6-2006	A1	8"	185	183	191	103.2
63-2-06-4	6-2006	A1	8"	185	187	187	101.1
63-2-06-5	6-2006			185	179	176	95.1
63-2-06-6	6-2007	A1	8"	185	204	169	91.4
63-2-06-7	6-2007	A1	8"	185	162	180	97.3
63-2-06-8	6-2107	A1	6"	105	90	106	101.0

63-2-07/6-2100

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-07-1	6-2002-1	A1	8"	220	60	224	101.8
63-2-07-2	6-2002-1	A1	8"	220	480	240	109.1
63-2-07-3	6-2002-1	A1	8"	220	480	214	97.3
63-2-07-4	HALL	A1	8"	220	34	205	93.2
63-2-07-5	6-2111	A1	6"	75	32	77	102.7
63-2-07-6	6-2112	A1	6"	150	50	137	91.3
63-2-07-7	6-2102	A1	6"	110	248	111	100.9
63-2-07-8	6-2100	A1	8"	170	469	186	109.4
63-2-07-9	6-2100	A1	8"	170	53	163	95.9

63-2-08/6-2206

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-08-1	6-2206	A1	6"	100	123	102	102.0
63-2-08-2	6-2207	A1	6"	100	128	104	104.0

63-2-09/6-2208

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-09-1	6-2208	A1	8"	175	211	174	99.4

63-2-10/6-2106

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-10-1	6-2105	A1	8"	175	263	182	104.0
63-2-10-2	6-2105	A1	8"	175	245	164	93.7
63-2-10-3	6-2105	A1	8"	175	241	165	94.3
63-2-10-4	6-2105	A1	8"	185	279	180	97.3
63-2-10-5	6-2105	A1	8"	175	199	176	100.6

63-2-11/6-2005

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-11-1	6-2106	A1	8"	220	18	207	94.1
63-2-11-2	6-2106	S1	10"	220	233	226	102.7
63-2-11-3	6-2106	A1	8"	220	282	230	104.5
63-2-11-4	6-2501	A1	8"	220	265	235	106.8
63-2-11-5	6-2502	A1	6"	75	34	71	94.7
63-2-11-6	6-2501	S1	10"	220	363	207	94.1

63-2-12/6-2005

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-12-1	6-2005	S1	12"	245	274	264	107.8
63-2-12-2	6-2005	S1	12"	245	289	251	102.4
63-2-12-3	6-2005	S1	12"	245	224	233	95.1
63-2-12-4	6-2005	S1	12"	245	276	251	102.4
63-2-12-5	6-2005	S1	12"	245	237	239	97.6
63-2-12-6	6-2005	S1	12"	245	281	249	101.6
63-2-12-7	6-2005	S1	12"	245	246	247	100.8

63-2-13/6-1002

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-13-1	6-2004	A1	8"	300	305		-
63-2-13-2	6-2003	S3	12"	450	439		-
63-2-13-3	6-2003	S3	12"	450	450		-

63-2-14/6-2105 OFFICE

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-14-1	6-2002-1	A1	6"	145			-
63-2-14-2	6-2002-1	A1	6"	150			-
63-2-14-3	6-2002-1	A1	6"	150			-
63-2-14-4	6-2002-1	S2	12"	255			-
63-2-14-5	6-2002-1	S2	12"	255			-
63-2-14-6	6-2002-1	S2	12"	255			-
63-2-14-7	6-2002-1	S2	12"	255			-
63-2-14-8	6-2002-1	S2	12"	255			-
63-2-14-9	STAIRWELL	S2	12"	275			-
63-2-14-10	STAIRWELL	S2	12"	275			-
63-2-14-11	STAIRWELL	S2	12"	275			-
63-2-14-12	STAIRWELL	S2	12"	275			-
63-2-14-13	STAIRWELL	S2	12"	275			-
63-2-14-14	STAIRWELL	S2	12"	275			-
63-2-14-15	STAIRWELL	S2	12"	275			-

63-2-15/6-2105 OFFICE

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-15-1	6-2105 OFFICE	A1	6"	100	156	99	99.0

63-2-16/6-2103

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-16-1	2ND FLR CONNECTOR	S2	8"	165	107	167	101.2
63-2-16-2	2ND FLR CONNECTOR	S2	8"	165	146	174	105.5
63-2-16-3	2ND FLR CONNECTOR	S2	8"	165	121	160	97.0
63-2-16-4	2ND FLR CONNECTOR	S2	8"	165	117	162	98.2
63-2-16-5	2ND FLR CONNECTOR	S2	8"	165	141	172	104.2
63-2-16-6	2ND FLR CONNECTOR	S2	8"	165	120	171	103.6
63-2-16-7	2ND FLR CONNECTOR	S2	8"	165	88	163	98.8
63-2-16-8	2ND FLR CONNECTOR	S2	8"	165	109	166	100.6
63-2-16-9	2ND FLR CONNECTOR	S2	8"	165	127	175	106.1
63-2-16-10	2ND FLR CONNECTOR	S2	8"	165	127	169	102.4
63-2-16-11	2ND FLR CONNECTOR	S2	8"	160	107	158	98.8
63-2-16-12	2ND FLR CONNECTOR	S2	8"	160	115	164	102.5
63-2-16-13	2ND FLR CONNECTOR	A1	8"	225	119	204	90.7
63-2-16-14	2ND FLR CONNECTOR	A1	8"	225	138	235	104.4

63-2-17/6-2103

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-17-1	6-2103	A1	6"	150	163	150	100.0

63-2-18/6-2205

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-18-1	6-2205	P1	10"	300			-

63-2-19/6-2215

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-19-1	6-2213	A1	8"	185	225	187	101.1
63-2-19-2	6-2213	A1	8"	185	220	180	97.3

63-2-20/6-2215

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-2-30-1	6-2215	A1	6"	100	117	103	103.0
63-2-30-2	6-2215	A1	6"	100	120	93	93.0

63-3-01/6-3103

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-01-1	6-3002	A1	8"	165	222	169	102.4
63-3-01-2	6-3201	A1	6"	115	0	122	106.1
63-3-01-3	6-3201	A1	6"	110	0	108	98.2
63-3-01-4	6-3200	A1	8"	165	267	175	106.1
63-3-01-5	6-3003	A2	6"	50	114	52	104.0
63-3-01-6	6-3200	A1	8"	165	283	180	109.1

63-3-02/6-3222

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-02-1	6-3103	A1	8"	200	256	207	103.5
63-3-02-2	6-3103	A1	8"	200	272	211	105.5
63-3-02-3	6-3103	A1	8"	200	247	205	102.5
63-3-02-4	6-3103	A1	8"	200	283	209	104.5

63-3-03/6-3222

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-03-1	6-3223	A1	10"	300	335	302	100.7
63-3-03-2	6-3223	A1	10"	300	362	308	102.7
63-3-03-3	6-3223	A1	10"	300	348	311	103.7

63-3-04/6-3206 HALL

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-04-1	6-3204	A1	6"	100	118	108	108.0
63-3-04-2	6-3214	A1	6"	100	112	105	105.0
63-3-04-3	6-3216	A1	6"	100	116	102	102.0

63-3-05/6-3206 HALL

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-05-1	6-3207	A1	6"	135	135	140	103.7
63-3-05-2	6-3206	A1	6"	135	152	138	102.2
63-3-05-3	6-3206 HALL	A1	6"	130	220	125	96.2

63-3-06/6-3220

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-06-1	6-3320	A1	10"	300	318	302	100.7
63-3-06-2	6-3320	A1	10"	300	380	325	108.3

63-3-07/6-3224

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-07-1	6-3137	A1	6"	140	185	145	103.6
63-3-07-2	6-3229	A1	6"	120	169	126	105.0
63-3-07-3	6-3224	A2	6"	100	140	104	104.0

63-3-08/6-3225

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-08-1	6-3211	A1	8"	225	187	220	97.8
63-3-08-2	6-3225	A1	6"	125	164	126	100.8

63-3-09/6-3000-1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-09-1	6-3000-1	S1	10"	185	208	186	100.5
63-3-09-2	6-3000-1	S1	10"	185	209	198	107.0
63-3-09-3	6-3000-1	S1	10"	185	236	194	104.9
63-3-09-4	6-3000-1	S1	10"	185	183	173	93.5
63-3-09-5	6-3000-1	S1	10"	185	160	177	95.7
63-3-09-6	6-3000-1	S1	10"	185	233	179	96.8
63-3-09-7	6-3000-1	S1	10"	185	204	182	98.4
63-3-09-8	6-3000-1	S1	10"	185	258	199	107.6
63-3-09-9	6-3000-1	S1	10"	185	234	198	107.0
63-3-09-10	6-3000-1	S1	10"	185	250	173	93.5

63-3-10/6-3000-1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-10-1	6-3000-1	A1	8"	160	227	165	103.1
63-3-10-2	6-3001	A2	6"	50	94	52	104.0
63-3-10-3	6-3000-1	A1	8"	160	164	170	106.3
63-3-10-4	6-3000-1	A1	8"	160	195	161	100.6

63-3-11/6-3205

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-11-1	6-3205	A1	10"	300	196	311	103.7
63-3-11-2	6-3205	A1	10"	300	250	309	103.0

63-3-12/6-3126

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-12-1	6-3206 OFFICE	A1	10"	300	323	308	102.7
63-3-12-2	6-3206 OFFICE	A1	10"	300	346	318	106.0

63-3-13/6-3203

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-13-1	6-3129	A1	6"	100	138	98	98.0
63-3-13-2	6-3131	A1	6"	100	145	95	95.0
63-3-13-3	6-3125	A1	6"	100	162	105	105.0
63-3-13-4	6-3126	A1	6"	100	140	101	101.0

63-3-14/6-3203

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-14-1	6-3133	A1	6"	120	141	123	102.5
63-3-14-2	6-3203	A1	6"	135	159	139	103.0
63-3-14-3	6-3202	A2	6"	45	71	49	108.9
63-3-14-4	6-3228	A1	6"	125	110	121	96.8

63-3-15/6-3104

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-15-1	6-3104	A1	8"	200	244	195	97.5

63-3-16/6-3121

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-16-1	6-3121	A1	8"	170	223	178	104.7
63-3-16-2	6-3136	A1	6"	90	118	92	102.2
63-3-16-3	6-3135-1	A1	6"	90	120	98	108.9

63-3-17/6-3112

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-17-1	6-3113	A1	6"	100	143	106	106.0
63-3-17-2	6-3117	A1	6"	100	144	104	104.0
63-3-17-3	6-3112	A1	6"	100	156	101	101.0
63-3-17-4	6-3116	A1	6"	100	150	103	103.0

63-3-18/6-3114

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-18-1	6-3118	A1	6"	75	115	72	96.0
63-3-18-2	6-3137	A1	6"	125	250	130	104.0
63-3-18-3	6-3122	A1	6"	50	75	52	104.0
63-3-18-4	6-3127	A1	6"	50	66	54	108.0
63-3-18-5	6-3114	A1	6"	140	105	148	105.7
63-3-18-6	6-3135-A	A1	6"	110	112	108	98.2
63-3-18-7	6-3135-2	A1	6"	105	77	105	100.0

63-3-19/6-3123

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-19-1	6-3123	A1	8"	200	229	206	103.0

63-3-20/6-3505

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-20-1	6-3502	A2	6"	50	134	52	104.0
63-3-20-2	6-3503	A2	6"	50	102	54	108.0
63-3-20-3	6-3135-1	A1	8"	185	227	187	101.1
63-3-20-4	6-3505	A1	6"	120	118	126	105.0
63-3-20-5	6-3501	S1	10"	220	266	213	96.8
63-3-20-6	6-3501	A1	8"	180	293	184	102.2

63-3-21/6-3106

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-21-1	6-3105	A1	8"	275	315	269	97.8
63-3-21-2	6-3105	A1	8"	275	303	280	101.8

63-3-22/6-3106

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-22-1	6-3106	A1	10"	300	330	309	103.0
63-3-22-2	6-3107	A1	10"	300	316	299	99.7

63-3-23/6-3504

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-23-1	6-3504	A1	8"	165	225	170	103.0
63-3-23-2	6-3504	A1	8"	165	242	168	101.8
63-3-23-3	6-3504	S1	10"	165	265	172	104.2
63-3-23-4	6-3504	S1	10"	165	218	165	100.0
63-3-23-5	6-3504	S1	10"	165	240	177	107.3

63-3-25/6-3110

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-251	6-3110	A1	12"	365	516	377	103.3

63-3-26/6-3115

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-26-1	6-3102	A1	6"	100	139	109	109.0
63-3-26-2	6-3119	A1	6"	100	134	106	106.0
63-3-26-3	6-3115	A1	6"	100	140	107	107.0
63-3-26-4	6-3111	A1	6"	100	146	102	102.0

63-3-28/6-3120

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-28-1	6-3124	A1	6"	125	116	126	100.8
63-3-28-2	6-3120	A1	8"	170	147	188	110.6

63-3-29/6-3209

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-29-1	6-3209	A1	6"	125	145	130	104.0
63-3-29-2	6-3210	A1	6"	125	137	126	100.8

63-3-24/6-3109

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-34-1	6-3108	A1	10"	300	326	308	102.7
63-3-34-2	6-3109	A1	10"	300	327	303	101.0

63-3-27/6-3101

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-3-37-1	6-3128	A1	8"	170	258	172	101.2
63-3-37-2	6-3101	A1	8"	170	260	178	104.7
63-3-37-3	HALL	A1	6"	145	105	150	103.4

63-4-01/6-4210

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-01-1	6-4001	A1	6"	120	72	122	101.7
63-4-01-2	6-4210	A1	8"	195	215	191	97.9
63-4-01-3	6-4001	A1	6"	120	125	129	107.5
63-4-01-4	6-4001	A1	6"	120	128	121	100.8
63-4-01-5	6-4003	A2	6"	50	113	48	96.0
63-4-01-6	6-4001	A1	6"	135	121	125	92.6

63-4-02/6-4222

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-02-1	6-4220	A1	6"	100	117	104	104.0
63-4-02-2	6-4222	A1	6"	100	125	109	109.0

63-4-03/6-4212

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-03-1	6-4212	A1	8"	160	195	164	102.5

63-4-04/6-4000-1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-04-1	6-4000-2	S1	185		156	168	-
63-4-04-2	6-4000-2	S1	185		153	201	-
63-4-04-3	6-4000-2	S1	185		169	182	-
63-4-04-4	6-4000-2	S1	185		208	169	-
63-4-04-5	6-4000-2	S1	185		187	194	-
63-4-04-6	6-4000-2	S1	185		231	196	-
63-4-04-7	6-4000-2	S1	185		234	201	-
63-4-04-8	6-4000-2	S1	185		186	191	-
63-4-04-9	6-4000-2	S1	185		235	189	-
63-4-04-10	6-4000-2	S1	185		192	184	-

63-4-05/6-4213

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-05-1	6-4000-2	A1	8"	210	217	216	102.9
63-4-05-2	6-4000-2	A1	8"	205	230	209	102.0

63-4-06/6-4213

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-06-1	6-4200-2	A1	8"	150	165	152	101.3
63-4-06-2	6-4213	A1	8"	205	268	210	102.4
63-4-06-3	6-4213	A1	8"	205	265	217	105.9
63-4-06-4	6-4213	A1	8"	210	312	211	100.5
63-4-06-5	6-4231	A1	6"	145	0	146	100.7

63-4-07/6-4119

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-07-1	6-4119	A1	6"	100	137	101	101.0
63-4-07-2	6-4203	A1	6"	100	114	104	104.0
63-4-07-3	6-4204	A1	6"	115	114	111	96.5

63-4-08/6-4206

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-08-1	6-4120	A1	6"	100	112	109	109.0
63-4-08-2	6-4121	A1	6"	100	118	105	105.0
63-4-08-3	6-4205	A1	6"	100	124	106	106.0
63-4-08-4	6-4206	A1	6"	100	108	108	108.0

63-4-09/6-4209

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-09-1	6-4122	A1	6"	100	124	105	105.0
63-4-09-2	6-4207	A1	6"	100	125	106	106.0
63-4-09-3	6-4208	A1	6"	100	116	99	99.0
63-4-09-4	6-4209	A1	6"	100	108	110	110.0

63-4-10/6-4123

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-10-1	6-4123	A1	8"	175	211	179	102.3

63-4-11/6-4000-3

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-11-1	6-4000-3	S1	12"	245	256	253	103.3
63-4-11-2	6-4000-3	S1	12"	245	271	247	100.8
63-4-11-3	6-4000-3	S1	12"	245	249	256	104.5
63-4-11-4	6-4000-3	S1	12"	245	305	262	106.9
63-4-11-5	6-4000-3	S1	12"	245	281	237	96.7
63-4-11-6	6-4000-3	S1	12"	245	235	249	101.6
63-4-11-7	6-4000-3	S1	12"	245	224	231	94.3

63-4-12/6-4104

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-12-1	6-4102	A1	8"	220	242	217	98.6
63-4-12-2	6-4100-2	A1	8"	200	206	204	102.0
63-4-12-3	6-4104	A1	8"	220	256	229	104.1

63-4-13/6-4103

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-13-1	6-4110	A1	6"	100	109	98	98.0
63-4-13-2	6-4109	A1	6"	100	121	95	95.0
63-4-13-3	6-4103	A1	6"	100	153	103	103.0

63-4-14/6-4111

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-14-1	6-4100-2	A1	8"	130	165	132	101.5
63-4-14-2	6-4111	A1	8"	200	225	205	102.5
63-4-14-3	6-4111	A1	8"	200	240	211	105.5
63-4-14-4	6-4101-1	A1	8"	130	150	138	106.2

63-4-15/6-4106

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-15-1	6-4105	A1	8"	220	270	217	98.6
63-4-15-2	6-4106	A1	8"	220	256	229	104.1

63-4-16/6-4107

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-16-1	6-4112	A1	8"	210	258	215	102.4
63-4-16-2	6-4112	A1	8"	205	262	209	102.0
63-4-16-3	6-4112	A1	8"	205	220	216	105.4

63-4-17/6-4107

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-17-1	6-4107	A1	8"	165	325	172	104.2
63-4-17-2	6-4107	A1	8"	160	44	168	105.0

63-4-18/6-4116

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-18-1	6-4113	A1	6"	100	131	106	106.0
63-4-18-2	6-4114	A1	6"	100	129	104	104.0

63-4-19/6-4116

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-19-1	6-4126	A1	6"	50	109	52	104.0
63-4-19-2	6-4101-2	A1	6"	150	146	158	105.3
63-4-19-3	6-4117	A1	6"	75	115	74	98.7
63-4-19-4	6-4100-1	A1	8"	200	184	209	104.5
63-4-19-5	6-4116	A1	6"	115	157	120	104.3
63-4-19-6	6-4100-3	A1	6"	90	99	92	102.2
63-4-19-7	6-4108	A2	6"	50	108	54	108.0

63-4-20/6-4125

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-20-1	6-4125	A1	8"	200	262	208	104.0

63-4-21/6-4505

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-21-1	6-4502	A2	6"	50	124	50	100.0
63-4-21-2	6-4503	A2	6"	50	130	46	92.0
63-4-21-3	HALL	A1	8"	185	315	175	94.6
63-4-21-4	6-4505	A1	6"	120	151	122	101.7
63-4-21-5	ELEV LOBBY	S1	10"	220	46	223	101.4
63-4-21-6	HALL	A1	8"	180	48	181	100.6

63-4-22/6-4118

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-22-1	6-4504	S1	10"	185	194	175	94.6
63-4-22-2	6-4504	A1	8"	180	129	186	103.3
63-4-22-3	6-4504	A1	8"	185	179	192	103.8
63-4-22-4	6-4504	S1	10"	185	178	194	104.9

63-4-23/6-4118

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-4-23-1	6-4118	A1	6"	100	98	98	98.0

63-5-01/5TH FLR WEST

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-5-01-1	5TH FLR NORTH	F1	24"X10"	400	492	421	105.3
63-5-01-2	5TH FLR NORTH	F1	24"X10"	400	487	409	102.3
63-5-01-3	5TH FLR NORTH	F1	24"X10"	400	521	414	103.5
63-5-01-4	5TH FLR NORTH	F1	24"X10"	400	501	424	106.0

63-5-02/5TH FLR WEST

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-5-02-1	6-5000-1	S1	10"	185	178	180	97.3
63-5-02-2	6-5000-1	S1	10"	185	220	201	108.6
63-5-02-3	6-5000-1	S1	10"	185	235	199	107.6
63-5-02-4	6-5000-1	S1	10"	185	186	192	103.8
63-5-02-5	6-5000-1	S1	10"	185	226	189	102.2
63-5-02-6	6-5000-1	S1	10"	185	218	180	97.3
63-5-02-7	6-5000-1	S1	10"	185	231	200	108.1
63-5-02-8	6-5000-1	S1	10"	185	227	172	93.0
63-5-02-9	6-5000-1	S1	10"	185	161	183	98.9
63-5-02-10	6-5000-1	S1	10"	185	238	179	96.8

63-6-01/6TH FLR SOUTHEAST

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
63-6-01-1	MECH RM	F1	16"X10"	500	549	498	99.6
63-6-01-2	MECH RM	F1	16"X10"	500	601	521	104.2
63-6-01-3	MECH RM	F1	16"X10"	500	571	514	102.8

63-1-19/6-1319

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-1122	A1	6"	90	134	88	97.8
SGRD2	6-1123	A1	6"	50	11	50	100.0

63-2-03/6-2212

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-2201-2	A1	6"	65	102	64	98.5
SGRD2	6-2201-2	A1	6"	65	74	59	90.8
SGRD3	6-2212	A1	8"	205	223	211	102.9
SGRD4	6-2212	A1	8"	205	241	199	97.1
SGRD5	6-2212	A1	8"	200	227	208	104.0
SGRD6	6-2202-2	A1	6"	65	103	64	98.5
SGRD7	6-2300-1	A1	6"	65	108	63	96.9

63-6-02/6-6503

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-6503	F1	24"X12"	900	911	906	100.7

Completed By: Nick Payne on

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: AHU-DUAL FAN

Comfort. Under control.

Asset: AHU-64 AREA:ABC

UNIT DATA - SUPPLY		
	Design	**Actual**
Manufacturer	TRANE	TRANE
Model Number	NA	TCSP0D29C4M3322S020
Serial Number	-	M21J00094
No. Pre-Filters / Size (1)	-	45, 24"X24"X2"
No. Final Filters / Size (1)	-	45, 24"X24"X22"

MOTOR DATA - SUPPLY		
	Design	**Actual**
Motor MFG / Frame	-	BALDOR / 256
Horsepower / RPM	-	30 / 1800
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	38 / 1.15

DRIVE DATA - SUPPLY		
	Design	**Actual**

TEST DATA - SUPPLY		
	Design	**Actual**
Total CFM	85000/ 59350	60080 (connected)
OA CFM	19000	18462
VFD Speed	77.0hz/ 68hz	67.9 HZ
RL Voltage	460	435 VFD
RL Amperage	-	8.8 VFD

PERFORMANCE DATA - SUPPLY		
	Design	**Actual**
Static Pressure Stpt	-	1.0"
Suction S.P.	-	1.22"
Discharge S.P.	-	1.36"
Total S.P.	-	2.58"
Chilled Water Coil P.D.	0.62	0.37"
Pre Heat Coil P.D.	0.10	0.07"
Final Filters P.D.	0.39	NOT INSTALLED
Pre-Filters P.D.	0.23	0.41"
Total ESP	4.0"	2.27"

UNIT DATA - EXHAUST/RETURN		
	Design	**Actual**

MOTOR DATA - EXHAUST/RETURN		
	Design	**Actual**
Motor MFG / FRAME	-	BALDOR RELIANCE/256T
Horsepower / RPM	-	10 / 1180
Rated Volts / Phase	-	460 / 3
Rated Amperage / SF	-	14.1/1.15

DRIVE DATA - EXHAUST/RETURN		
	Design	**Actual**

TEST DATA - EXHAUST/RETURN		
	Design	**Actual**
Total CFM	80000 / 40390	40128 (connected)
VFD Speed	67hz/ 37hz	37.3 HZ
RL Voltage	460	143 VFD
RL Amperage	-	5.7 VFD

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	**Actual**
Static Pressure Stpt	-	0.5"
Suction S.P.	-	-0.91"
Discharge S.P.	-	0.01
Total S.P.	-	1.01"

Completed By: Nick Payne

Notes: Flow Station K Factors Supply 0.651 Return 0.801 Oa Min 1.296 OA Econ 1.236

Comfort. Under control.

VAV - Single Duct

AHU-64/ABC

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
64-1-01	NAILOR	D30RE	VAV	6"	325	331	175	183	195	197	540.4
64-1-02	NAILOR	D30RE	VAV	7"	400	395	170	172	260	261	880.7
64-1-03	NAILOR	D30RE	VAV	7"	400	421	160	167	260	264	872.3
64-1-04	NAILOR	D30RE	VAV	7"	500	491	340	345	450	456	889.2
64-1-05	NAILOR	D30RE	VAV	7"	525	519	420	426	525	531	864.8
64-1-06	NAILOR	D30RE	VAV	7"	450	434	240	250	315	320	1038.4
64-1-07	NAILOR	D30RE	VAV	9"	625		365	371	625	629	1739.7
64-1-08	NAILOR	D30RE	VAV	8"	600		600		600		
64-1-09	NAILOR	D30RE	VAV	6"	315	310	205	204	205	207	505.8
64-1-10	NAILOR	D30RE	VAV	7"	440	445	100	105	220	221	970.0
64-1-11	NAILOR	D30RE	VAV	7"	370	363	280	284	280	281	914.3
64-1-12	NAILOR	D30RE	VAV	6"	100	102	100	98	100	103	549.2
64-1-13	NAILOR	D30RE	VAV	12"	930	918	930	924	930	927	2092.2
64-1-14	NAILOR	D30RE	VAV	6"	300	315	225	227	225	229	501.9
64-1-15	NAILOR	D30RE	VAV	6"	305	307	65	69	155		517.7
64-1-16	NAILOR	D30RE	VAV	6"	175	180	165	162	165	168	506.2
64-1-17	NAILOR	D30RE	VAV	6"	230	230	70	72	115	117	552.1
64-1-18	NAILOR	D30RE	VAV	8"	545	549	545	542	545	548	839.9
64-1-19	NAILOR	D30RE	VAV	6"	200	209	200	205	200	206	553.5
64-1-20	NAILOR	D30RE	VAV	9"	805	818	805	810	805	814	1557.4
64-1-21	NAILOR	D30RE	VAV	12"	950	937	290	295	475	465	2300.4
64-1-22	NAILOR	D30RE	VAV	6"	200	198	180	182	180	184	503.2
64-1-23	NAILOR	D30RE	VAV	6"	305	295	275	269	275	274	467.8
64-1-24	NAILOR	D30RE	VAV	7"	380	388	115	121	190	182	877.3
64-1-25	NAILOR	D30RE	VAV	7"	395	408	395	402	395	397	1005.4
64-1-26	NAILOR	D30RE	VAV	6"	200	205	180	182	180	178	537.1
64-1-27	NAILOR	D30RE	VAV	6"	200	216	200	210	200	209	500.42
64-1-28	NAILOR	D30RE	VAV	6"	230	239	230	225	230	234	536.6
64-1-29	NAILOR	D30RE	VAV	6"	190	193	130	134	130	131	499.2
64-1-30	NAILOR	D30RE	VAV	6"	100	107	100	104	100	105	894.53
64-2-01	NAILOR	D30RE	VAV	7"	415	415	185	189	295	302	943.3
64-2-02	NAILOR	D30RE	VAV	12"	900	886	340	351	675	669	2177.9
64-2-03	NAILOR	D30RE	VAV	6"	125	133	125	130	125	126	537.1
64-2-04	NAILOR	D30RE	VAV	7"	400	425	210	216	280	284	864.5
64-2-05	NAILOR	D30RE	VAV	12"	1060	1067	440	451	530	537	2215.2
64-2-06	NAILOR	D30RE	VAV	8"	600	591	250	247	300	296	948.7
64-2-07	NAILOR	D30RE	VAV	9"	640	663	180	189	515	524	1512.3
64-2-08	NAILOR	D30RE	VAV	8"	600	605	155	159	480	488	950.4
64-2-09	NAILOR	D30RE	VAV	12"	895	877	720	725	720	731	2019.7
64-2-10	NAILOR	D30RE	VAV	12"	1150	1138	1150	1141	1150	1152	2116.3
64-2-11	NAILOR	D30RE	VAV	6"	200	202	155	156	155	149	509.6
64-2-12	NAILOR	D30RE	VAV	6"	200	199	200	195	200	201	502.2
64-2-13	NAILOR	D30RE	VAV	7"	400	396	300	295	300	298	908.0
64-2-14	NAILOR	D30RE	VAV	12"	1135	1100	1135	1121	1135	1113	2358.9
64-2-15	NAILOR	D30RE	VAV	6"	300	298	225	228	225	224	591.7
64-2-16	NAILOR	D30RE	VAV	6"	300	286	225	220	225	221	533.4
64-2-17	NAILOR	D30RE	VAV	6"	175	176	165	167	165	169	502.6
64-2-18	NAILOR	D30RE	VAV	6"	175	179	165	160	165	167	540.1
64-2-19	NAILOR	D30RE	VAV	6"	305	303	70	72	155	152	505.9
64-2-20	NAILOR	D30RE	VAV	6"	200	199	150	152	150	148	499.9
64-2-21	NAILOR	D30RE	VAV	7"	535	548	535	537	535	529	892.8
64-2-23	NAILOR	D30RE	VAV	6"	365	367	365	360	365	371	510.3
64-2-24	NAILOR	D30RE	VAV	6"	200	192	200	201	200	205	528.7
64-2-25	NAILOR	D30RE	VAV	6"	135	138	70	74	70	71	500.6
64-2-26	NAILOR	D30RE	VAV	6"	165	172	165	160	165	167	585
64-2-27	NAILOR	D30RE	VAV	6"	185	184	70	74	115	117	459.1
64-2-28	NAILOR	D30RE	VAV	12"	1025	1003	1025	1015	1025	1026	2412.3
64-2-29	NAILOR	D30RE	VAV	16"	2000	2033	500	510	1000	1023	3463.8
64-3-01	NAILOR	D30RE	VAV	8"	310	308	65	69	190	184	871.9
64-3-02	NAILOR	D30RE	VAV	12"	1055	1068	300	305	530	538	2027.2
64-3-03	NAILOR	D30RE	VAV	6"	220	224	85	87	155	156	558.3
64-3-04	NAILOR	D30RE	VAV	10"	840	849	335	327	575	561	1577
64-3-05	NAILOR	D30RE	VAV	14"	1875	1776	665	672	1135	1151	3279.5
64-3-06	NAILOR	D30RE	VAV	24"	2250	2259	1080	1091	1465	1379	9062.2
64-3-07	NAILOR	D30RE	VAV	8"	515	507	125	131	260	255	959.1

64-3-08	NAILOR	D30RE	VAV	16"	1970	1893	1970	1871	1970	1902	3501.7
64-3-09	NAILOR	D30RE	VAV	6"	360	361	205	210	270	261	517.2
64-3-10	NAILOR	D30RE	VAV	8"	465	468	465	459	465	462	923.1
64-3-11	NAILOR	D30RE	VAV	6"	200	206	200	195	200	198	485.6
64-3-12	NAILOR	D30RE	VAV	8"	385	391	375	379	375	368	900.1
64-3-13	NAILOR	D30RE	VAV	6"	200	205	200	197	200	201	533.2
64-3-14	NAILOR	D30RE	VAV	8"	565	561	565	571	565	559	915.7
64-3-15	NAILOR	D30RE	VAV	6"	200	204	200	196	200	194	552.0
64-3-16	NAILOR	D30RE	VAV	6"	200	197	80	83	120	124	546.8
64-3-17	NAILOR	D30RE	VAV	12"	1050	1056	1050	1049	1050	1042	2101.5
64-3-18	NAILOR	D30RE	VAV	16"	2000	1961	450	460	1000	1024	3679.3
64-3-19	NAILOR	D30RE	VAV	6"	200	198	150	147	150	152	532.9
64-3-20	NAILOR	D30RE	VAV	6"	300	290	225	219	225	227	547.3
64-4-01	NAILOR	D30RE	VAV	6"	340	338	200	205	200	207	527.98
64-4-02	NAILOR	D30RE	VAV	7"	440	443	190	185	220	225	657
64-4-03	NAILOR	D30RE	VAV	6"	200	204	150	158	150	152	542.89
64-4-04	NAILOR	D30RE	VAV	6"	220	223	75	76	110	115	590.5
64-4-05	NAILOR	D30RE	VAV	7"	405	406	95	91	205	210	671.8
64-4-06	NAILOR	D30RE	VAV	6"	350	342	80	82	175	173	556.8
64-4-07	NAILOR	D30RE	VAV	9"	765	764	165	169	385	387	1272
64-4-08	NAILOR	D30RE	VAV	6"	345	351	75	79	175	170	547.69
64-4-09	NAILOR	D30RE	VAV	9"	710	716	165	172	355	356	1315.2
64-4-10	NAILOR	D30RE	VAV	12"	945	930	345	338	475	482	2232.9
64-4-11	NAILOR	D30RE	VAV	9"	760	764	260	258	380	384	1233.4
64-4-12	NAILOR	D30RE	VAV	6"	215	221	215	219	215	214	511.6
64-4-13	NAILOR	D30RE	VAV	6"	275	266	275	271	275	276	554.1
64-4-14	NAILOR	D30RE	VAV	6"	300	299	300	296	300	289	532.3
64-4-15	NAILOR	D30RE	VAV	6"	210	216	65	69	105	110	529
64-4-16	NAILOR	D30RE	VAV	6"	175	169	65	68	90	94	538.2
64-4-17	NAILOR	D30RE	VAV	12"	1200	1176	1200	1184	1200	1192	2314.8
64-4-18	NAILOR	D30RE	VAV	7"	400	407	300	310	300	306	706.8
64-4-19	NAILOR	D30RE	VAV	6"	175	173	165	162	165	167	533.3
64-4-20	NAILOR	D30RE	VAV	7"	400	401	300	305	300	304	657.29
64-4-21	NAILOR	D30RE	VAV	6"	175	186	165	169	165	172	512.0
64-4-22	NAILOR	D30RE	VAV	6"	305	292	65	72	155	145	496.72
64-4-23	NAILOR	D30RE	VAV	6"	215	207	165	162	165	169	519.5
64-4-24	NAILOR	D30RE	VAV	9"	715	711	485	491	485	479	1299.1
64-4-25	NAILOR	D30RE	VAV	6"	200	198	200	201	200	201	543.62
64-4-26	NAILOR	D30RE	VAV	16"	2000	2065	430	441	1000	1022	3804.5
64-4-27	NAILOR	D30RE	VAV	12"	1035	1019	1010	1016	1010	999	2301.0
64-4-28	NAILOR	D30RE	VAV	6"	200	201	200	198	200	205	542.2
64-4-29	NAILOR	D30RE	VAV	7"	535	521	535	524	535	520	703.84
64-4-30	NAILOR	D30RE	VAV	6"	305	300	65	69	155	159	538.9
64-4-31	NAILOR	D30RE	VAV	6"	200	207	150	151	150	155	521.7
64-4-32	NAILOR	D30RE	VAV	6"	200	191	200	202	200	196	555.9
64-5-01	NAILOR	D30RE	VAV	16"	1600	1613	0	0	1600	1587	3311.8
64-5-02	NAILOR	D30RE	VAV	16"	1200	1214	0	0	750	761	3363.9

Diffuser Ret/Exh (GRD)

AHU-64/ABC

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
R64-1-1	J2	24"X12"	75	1	199		79	105.3
R64-1-2	J2	24"X12"	75	1	171		77	102.7
R64-1-3	J1	12"X24"	100	1	251		108	108.0
R64-1-4	J1	12"X24"	100	1	222		104	104.0
R64-1-5	J1	12"X24"	100	1	243		101	101.0
R64-1-6	J1	12"X24"	100	1	191		107	107.0
R64-1-7	J1	12"X24"	205	1	39		216	105.4
R64-1-8	J1	12"X24"	100	1	39		100	100.0
R64-1-9	J1	12"X24"	150	1	296		156	104.0
R64-1-10	J2	12"X24"	90	1	162		92	102.2
R64-1-11	J1	12"X24"	115	1	299		107	93.0
R64-1-12	J1	12"X24"	115	1	63		121	105.2
R64-1-13	J1	24"X12"	100	1	329		102	102.0
R64-1-14	J1	12"X24"	100	1	224		92	92.0
R64-1-15	J1	12"X24"	100	1	27		107	107.0
R64-1-16	J1	12"X24"	100	1	34		99	99.0
R64-1-17	J1	24"X12"	175	1	24		178	101.7
R64-1-18	J1	12"X24"	190	1	221		199	104.7
R64-1-19	J1	12"X24"	100	1	204		106	106.0
R64-1-20	J1	12"X24"	75	1	99		72	96.0
R64-1-21	J1	12"X24"	140	1	115		141	100.7
R64-1-22	J1	12"X24"	100	1	170		98	98.0
R64-1-23	J1	12"X24"	100	1	120		90	90.0
R64-1-24	J1	12"X24"	75	1	0		72	96.0
R64-1-25	J1	12"X24"	175	1	0		169	96.6
R64-1-26	J1	12"X24"	225	1	295		209	92.9
R64-1-27	J1	12"X24"	225	1	221		214	95.1
R64-1-28	J1	12"X24"	225	1	196		232	103.1
R64-1-29	J1	12"X24"	300	1	24		301	100.3
R64-1-30	J1	24"X24"	750	1	66		734	97.9
R64-1-31	J1	24"X12"	75	1	210		76	101.3
R64-1-32	J1	12"X24"	115	1	234		121	105.2
R64-1-33	J1	12"X24"	325	1	537		334	102.8
R64-1-34	J1	12"X24"	115	1	271		109	94.8
R64-1-35	J1	12"X24"	200	1	409		206	103.0
R64-1-36	J1	24"X12"	305	1	503		297	97.4
R64-1-37	J1	12"X24"	200	1	320		195	97.5
R64-1-38	J1	24"X24"	620	1	473		604	97.4
R64-1-39	J1	12"X24"	200	1	285		194	97.0
R64-1-40	J1	12"X24"	200	1	253		206	103.0
R64-1-41	J1	12"X24"	250	1	85		267	106.8
R64-1-42	J1	12"X24"	100	1	115		102	102.0
R64-1-43	J1	12"X24"	250	1	65		244	97.6
R64-1-44	J1	12"X24"	365	1	67		366	100.3
R64-1-45	J1	12"X24"	115	1	50		115	100.0
R64-1-46	J1	12"X24"	200	1	57		201	100.5
R64-1-47	J1	12"X24"	250	1	46		241	96.4
R64-1-48	J1	12"X24"	275	1	39		279	101.5
R64-2-1	J1	24"x12"	75	1	391		79	105.3
R64-2-2	J1	24"x12"	175	1	426		183	104.6
R64-2-3	J1	24"x12"	175	1	401		169	96.6
R64-2-4	J1	24"x12"	100	1	383		104	104.0
R64-2-5	J1	24"x12"	100	1	314		109	109.0
R64-2-6	J1	24"x12"	100	1	408		101	101.0
R64-2-7	J1	24"x12"	100	1	232		97	97.0
R64-2-8	J1	24"x12"	100	1	237		99	99.0
R64-2-9	J1	24"x12"	100	1	198		101	101.0
R64-2-10	J1	24"x12"	100	1	243		103	103.0
R64-2-11	J1	24"x12"	100	1	280		104	104.0
R64-2-12	J1	24"x12"	100	1	223		101	101.0
R64-2-13	J1	24"x12"	100	1	218		100	100.0
R64-2-14	J1	12"x24"	365	1	394		372	101.9
R64-2-15	J1	12"x24"	270	1	215		274	101.5
R64-2-16	J1	12"x24"	270	1	201		276	102.2
R64-2-17	J1	12"x24"	600	1	198		619	103.2

R64-2-18	J1	12"x24"	450	1	170		462	102.7
R64-2-19	J1	24"x24"	700	1	774		707	101.0
R64-2-20	J1	24"x24"	900	1	1155		921	102.3
R64-2-21	J1	24"x24"	900	1	1134		846	94.0
R64-2-22	J1	24"x12"	75	1	147		76	101.3
R64-2-23	J1	12"x24"	65	1	237		69	106.2
R64-2-24	J1	12"x24"	185	1	213		189	102.2
R64-2-25	J1	24"x12"	400	1	370		414	103.5
R64-2-26	J1	12"x24"	415	1	508		402	96.9
R64-2-27	J1	24"x12"	100	1	186		100	100.0
R64-2-28	J1	24"x12"	100	1	202		107	107.0
R64-2-29	J1	12"x24"	225	1	314		234	104.0
R64-2-30	J1	24"x12"	305	1	206		316	103.6
R64-2-31	J1	12"x24"	225	1	246		233	103.6
R64-2-32	J1	24"x24"	610	1	347		642	105.2
R64-2-33	J1	12"x24"	225	1	246		213	94.7
R64-2-34	J1	12"x24"	225	1	206		229	101.8
R64-2-35	J1	12"x24"	400	1	190		406	101.5
R64-2-36	J1	12"x24"	310	1	133		316	101.9
R64-2-37	J1	24"x24"	1060	1	351		999	94.2
R64-3-1	J1	24"x24"	700	1	136		715	102.1
R64-3-2	J1	24"x24"	900	1	550		939	104.3
R64-3-3	J1	24"x24"	900	1	681		894	99.3
R64-3-4	J1	12"x24"	200	1	340		212	106.0
R64-3-5	J1	12"x24"	100	1	280		102	102.0
R64-3-6	J1	12"x24"	250	1	503		264	105.6
R64-3-7	J1	12"x24"	310	1	320		329	106.1
R64-3-8	J1	12"x24"	100	1	277		103	103.0
R64-3-9	J1	12"x24"	100	1	252		95	95.0
R64-3-10	J1	24"X24"	745	1	484		724	97.2
R64-3-11	J1	12"x24"	100	1	277		94	94.0
R64-3-12	J1	12"x24"	100	1	232		99	99.0
R64-3-13	J1	12"x24"	310	1	467		305	98.4
R64-3-14	J1	12"x24"	360	1	394		371	103.1
R64-3-15	J1	12"x24"	220	1	314		210	95.5
R64-3-16	J1	24"X24"	840	1	684		820	97.6
R64-3-17	J1	24"X12"	100	1	127		91	91.0
R64-3-18	J1	24"X12"	100	1	91		96	96.0
R64-3-19	J1	24"X12"	100	1	41		102	102.0
R64-3-20	J1	24"X12"	100	1	41		94	94.0
R64-3-21	J1	12"x24"	100	1	85		97	97.0
R64-3-22	J1	24"X24"	1315	1	628		1290	98.1
R64-3-23	J1	24"X24"	1310	1	496		1270	96.9
R64-3-24	J1	24"X24"	1310	1	433		1240	94.7
R64-3-25	J1	24"X24"	1310	1	314		1294	98.8
R64-4-1	J1	24"X12"	75	1	620		80	106.7
R64-4-2	J1	24"X12"	100	1	356		96	96.0
R64-4-3	J1	24"X12"	100	1	304		101	101.0
R64-4-4	J1	24"X12"	100	1	295		96	96.0
R64-4-5	J1	24"X24"	305	1	524		322	105.6
R64-4-6	J1	24"X12"	100	1	308		96	96.0
R64-4-7	J1	24"X12"	175	1	277		169	96.6
R64-4-8	J1	24"X12"	100	1	209		99	99.0
R64-4-9	J1	24"X12"	160	1	202		160	100.0
R64-4-10	J1	24"X12"	100	1	237		106	106.0
R64-4-11	J1	24"X12"	100	1	160		101	101.0
R64-4-12	J1	24"X12"	100	1	142		97	97.0
R64-4-13	J1	24"X12"	100	1	26		99	99.0
R64-4-14	J1	24"X12"	175	1	138		164	93.7
R64-4-15	J1	24"X12"	100	1	204		103	103.0
R64-4-16	J1	24"X12"	100	1	205		103	103.0
R64-4-17	J1	24"X12"	210	1	154		213	101.4
R64-4-18	J1	24"X12"	100	1	34		99	99.0
R64-4-19	J1	24"X12"	75	1	78		72	96.0
R64-4-20	J1	24"X12"	315	1	200		301	95.6
R64-4-21	J1	24"X12"	445	1	259		421	94.6
R64-4-22	J1	24"X12"	315	1	253		320	101.6
R64-4-23	J1	24"X12"	315	1	183		331	105.1
R64-4-24	J1	24"X12"	315	1	128		312	99.0

R64-4-25	J1	24"X24"	710	1	333		670	94.4
R64-4-26	J1	24"X24"	700	1	949		680	97.1
R64-4-27	J1	24"X24"	900	1	1051		846	94.0
R64-4-28	J1	24"X24"	900	1	904		871	96.8
R64-4-29	J1	24"X12"	75	1	139		72	96.0
R64-4-30	J1	24"X12"	175	1	235		164	93.7
R64-4-31	J1	24"X12"	100	1	29		99	99.0
R64-4-32	J1	24"X12"	115	1	183		109	94.8
R64-4-33	J1	24"X12"	305	1	278		315	103.3
R64-4-34	J1	24"X24"	400	1	272		386	96.5
R64-4-35	J1	12"X24"	405	1	286		394	97.3

Diffuser Supply (GRD)

64-1-01/6-1319

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-01-1	6-1319	A1	8"	160	202	175	109.4
64-1-01-2	6-1319	A1	8"	165	187	156	94.5

64-1-02/6-1322

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-02-1	6-1322	A1	8"	200	285	191	95.5
64-1-02-2	6-1321	A1	8"	200	252	204	102.0

64-1-03/6-1323

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-03-1	6-1324	A1	8"	200	276	215	107.5
64-1-03-2	6-1323	A1	8"	200	255	206	103.0

64-1-04/6-1415

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-04-1	6-1415	BOOTH	6"	100	178	108	108.0
64-1-04-2	6-1415	A1	6"	150	169	144	96.0
64-1-04-3	6-1417	A1	6"	150	181	146	97.3
64-1-04-4	6-1417	BOOTH	6"	100	152	93	93.0

64-1-05/6-1412

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-05-1	6-1412	BOOTH	6"	100	109	103	103.0
64-1-05-2	6-1412	A1	8"	175	375	172	98.3
64-1-05-3	6-1413	A1	6"	150	185	151	100.7
64-1-05-4	6-1413	BOOTH	6"	100	109	93	93.0

64-1-06/6-1408

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-06-1	6-1409	A1	8"	225	352	222	98.7
64-1-06-2	6-1408	A1	8"	225	362	212	94.2

64-1-07/6-1407

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-07-1	6-1407	A1	8"	225	293	240	106.7
64-1-07-2	6-1406	A1	8"	225	365	232	103.1
64-1-07-3	6-1405	A1	8"	175	282	169	96.6

64-1-08/6-1401

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-08-1	6-1400-2	A1	6"	100			-
64-1-08-2	6-1400-2	A1	6"	100			-
64-1-08-3	6-1400-1	A1	6"	100			-
64-1-08-4	6-1401	A1	6"	140			-
64-1-08-5	6-1400-1	A1	6"	85			-
64-1-08-6	6-1404	A1	6"	75			-

64-1-09/6-1410

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-09-1	6-1411	A1	6"	100	107	101	101.0
64-1-09-2	6-1414	A1	6"	115	130	108	93.9

64-1-10/6-1416

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-10-1	6-1416	A1	6"	120	154	123	102.5
64-1-10-2	6-1416	A1	6"	125	165	125	100.0
64-1-10-3	6-1402	A1	6"	75	174	74	98.7
64-1-10-4	6-1416	A1	6"	120	154	123	102.5

64-1-11/6-1303

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-11-1	6-1418	A1	6"	100	121	91	91.0
64-1-11-2	6-1303	A1	6"	100	149	108	108.0
64-1-11-3	6-1200B	A1	6"	95	122	92	96.8
64-1-11-4	6-1200	A1	6"	75	123	72	96.0

64-1-13/6-1309

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-13-1	6-1325-2	A1	8"	155	206	144	92.9
64-1-13-2	6-1309	A1	8"	205	203	198	96.6
64-1-13-3	6-1309	A1	8"	205	190	200	97.6
64-1-13-4	6-1309	A1	8"	210	182	215	102.4
64-1-13-5	6-1300-1	A1	8"	155	161	161	103.9

64-1-14/6-1306

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-14-1	6-1306	A1	6"	100	129	104	104.0
64-1-14-2	6-1307	A1	6"	100	87	102	102.0
64-1-14-3	6-1308	A1	6"	100	116	109	109.0

64-1-15/6-1310

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-15-1	6-1310	A1	6"	155	179	154	99.4
64-1-15-2	6-1310	A1	6"	150	167	153	102.0

64-1-17/6-1320

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-17-1	6-1313	A1	6"	115	137	118	102.6
64-1-17-2	6-1320	A1	6"	115	139	112	97.4

64-1-18/6-1315

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-18-1	6-1317	A1	6"	160	71	161	100.6
64-1-18-2	6-1315	A1	6"	50	121	55	110.0
64-1-18-3	6-1314	A1	6"	75	109	72	96.0
64-1-18-4	6-1300-2	A1	6"	160	117	160	100.0
64-1-18-5	6-1216	A1	6"	50	108	55	110.0
64-1-18-6	6-1318	A2	6"	50	70	46	92.0

64-1-19/6-1315

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-19-1	6-1315	A1	8"	200	244	209	104.5

64-1-20/6-1505

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-20-1	6-1505	S1	8"	100	94	91	91.0
64-1-20-2	6-1505	S1	8"	100	227	108	108.0
64-1-20-3	6-1505	S1	8"	100	220	104	104.0
64-1-20-4	6-1508	A2	6"	75	88	77	102.7
64-1-20-5	6-1504	A2	6"	50	69	54	108.0
64-1-20-6	6-1507-2	A1	8"	105	109	108	102.9
64-1-20-7	6-1509	A2	6"	75	66	77	102.7
64-1-20-8	6-1503	A2	6"	50	51	46	92.0
64-1-20-9	6-1502	A1	6"	50	49	53	106.0
64-1-20-10	6-1507-2	A1	6"	100	108	100	100.0

64-1-21/6-1506

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-21-1	6-1506	A1	10"	320	488	347	108.4
64-1-21-2	6-1506	A1	8"	315	49	282	89.5
64-1-21-3	6-1506	A1	10"	315	498	308	97.8

64-1-22/6-1211

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-22-1	6-1210	A1	6"	100	127	93	93.0
64-1-22-2	6-1211	A1	6"	100	95	105	105.0

64-1-23/6-1207

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-23-1	6-1209	A1	6"	100	154	93	93.0
64-1-23-2	6-1207	A1	8"	205	158	202	98.5

64-1-24/6-1205

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-24-1	6-1205	A1	6"	150	178	158	105.3
64-1-24-2	6-1202	A1	6"	115	187	109	94.8
64-1-24-3	6-1201	A1	6"	115	139	121	105.2

64-1-25/6-1301

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-25-1	6-1204	A2	6"	90	142	93	103.3
64-1-25-2	6-1325-1	A1	6"	100	165	108	108.0
64-1-25-3	6-1301	A1	6"	100	156	100	100.0
64-1-25-4	6-1213	A1	6"	105	143	107	101.9

64-1-26/6-1208

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-26-1	6-1206	A1	6"	100	115	97	97.0
64-1-26-2	6-1208	A1	6"	100	120	108	108.0

64-1-27/6-1215

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-27-1	6-1215	A1	8"	200	219	216	108.0

64-1-29/6-1304

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-29-1	6-1303	A1	8"	190	206	193	101.6

64-1-30/6-2401

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-30-1	6-1305	A1	6"	100	156	107	107.0

64-2-01/6-2320

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-01-1	6-2324	A1	8"	205	272	203	99.0
64-2-01-2	6-2324	A1	8"	210	322	226	107.6

64-2-02/6-2420

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-02-1	6-2323	A1	8"	225	224	240	106.7
64-2-02-2	6-2322	A1	8"	225	242	206	91.6
64-2-02-3	6-2321	A1	8"	225	261	214	95.1
64-2-02-4	6-2320	A1	8"	225	230	226	100.4

64-2-03/6-2319

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-03-1	6-2420	A1	6"	125	149	133	106.4

64-2-04/6-2319

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-04-1	6-2319	A1	8"	200	245	205	102.5
64-2-04-2	6-2319	A1	8"	200	293	220	110.0

64-2-05/6-2416

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-05-1	6-2416	A1	10"	310	378	295	95.2
64-2-05-2	6-2416	A1	10"	375	403	387	103.2
64-2-05-3	6-2416	A1	10"	375	363	385	102.7

64-2-06/6-2415

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-06-1	6-2415	A1	8"	225	239	221	98.2
64-2-06-2	6-2415	A1	8"	225	236	221	98.2
64-2-06-3	6-2412	A1	6"	100	124	101	101.0
64-2-06-4	6-2413	A2	6"	50	24	48	96.0

64-2-07/6-2411

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-07-1	6-2407	A2	6"	50	97	46	92.0
64-2-07-2	6-2406	A1	10"	270	370	286	105.9
64-2-07-3	6-2405	A1	10"	270	310	282	104.4
64-2-07-4	6-2404	A2	6"	50	61	49	98.0

64-2-08/6-2411

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-08-1	6-2411	A1	10"	300	299	290	96.7
64-2-08-2	6-2411	A1	10"	300	336	315	105.0

64-2-09/6-2403

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-09-1	6-2403	A1	12"	435	380	433	99.5
64-2-09-2	6-2403	A1	12"	435	376	420	96.6
64-2-09-3	6-2409	A2	6"	25	97	24	96.0

64-2-10/6-2318

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-10-1	HALL	A1	8"	165	186	163	98.8
64-2-10-2	6-2410	A1	8"	155	179	157	101.3
64-2-10-3	6-2408	A1	8"	185	92	166	89.7
64-2-10-4	6-2418	A2	6"	50	70	55	110.0
64-2-10-5	6-2419	A1	6"	50	140	48	96.0
64-2-10-6	6-2400	A1	8"	90	151	91	101.1
64-2-10-7	6-2401	A1	6"	90	82	87	96.7
64-2-10-8	6-2402	A1	12"	365	323	371	101.6

64-2-11/6-2318

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-11-1	6-2318	A1	8"	200	224	202	101.0

64-2-12/6-2219

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-12-1	6-2309	A1	6"	100	125	103	103.0
64-2-12-2	6-2310	A1	6"	100	95	96	96.0

64-2-13/6-2311

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-13-1	6-2302	A1	6"	100	113	100	100.0
64-2-13-2	6-2303	A1	6"	100	122	98	98.0
64-2-13-3	6-2220	A1	6"	100	164	102	102.0
64-2-13-4	6-2219	A1	6"	100	156	96	96.0

64-2-14/6-2221

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-14-1	6-2301-1	A1	6"	130	133	125	96.2
64-2-14-2	6-2301-1	A1	6"	130	130	130	100.0
64-2-14-3	6-2311	A1	8"	205	273	210	102.4
64-2-14-4	HALL	A1	6"	135	137	133	98.5
64-2-14-5	6-2311	A1	8"	200	275	187	93.5
64-2-14-6	6-2311	A1	8"	205	235	188	91.7
64-2-14-7	6-2300-1	A1	6"	130	119	127	97.7

64-2-15/6-2221

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-15-1	6-2223	A1	6"	100	122	103	103.0
64-2-15-2	6-2222	A1	6"	100	128	97	97.0
64-2-15-3	6-2221	A1	6"	100	140	98	98.0

64-2-16/6-2306

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-16-1	6-2306	A1	6"	100	117	95	95.0
64-2-16-2	6-2305	A1	6"	100	130	100	100.0
64-2-16-3	6-2304	A1	6"	100	104	91	91.0

64-2-17/6-2224

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-17-1	6-2224	A1	8"	175	193		-

64-2-18/6-2307

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-18-1	6-2307	A1	8"	175	211	179	102.3

64-2-19/6-2314

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-19-1	6-2312	A1	6"	150	163	148	98.7
64-2-19-2	6-2312	A1	6"	155	175	155	100.0

64-2-20/6-2314

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-20-1	6-2314	A1	6"	100	125	102	102.0
64-2-20-2	6-2313	A1	6"	100	95	97	97.0

64-2-21/6-2317

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-21-1	6-2325	A2	6"	50	45	54	108.0
64-2-21-2	6-2301-2	A1	6"	110	33	117	106.4
64-2-21-3	6-2317	A1	6"	85	225	90	105.9
64-2-21-4	HALL	A1	6"	105	164	109	103.8
64-2-21-5	6-2315	A1	6"	75	154	74	98.7
64-2-21-6	6-2300-1	A1	6"	110	104	104	94.5

64-2-23/6-2227

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-23-1	6-2227	A1	6"	60	114	55	91.7
64-2-23-2	6-2202-1	A1	6"	100	25	108	108.0
64-2-23-3	6-2218	A1	6"	75	113	74	98.7
64-2-23-4	6-2201-1	A1	6"	130	145	130	100.0

64-2-24/6-2226

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-24-1	6-2226	A1	8"	200	232	192	96.0

64-2-25/6-2217

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-25-1	6-2217	A1	6"	135	147	138	102.2

64-2-26/6-2316

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-26-1	6*-2316	A1	8"	165	203	172	104.2

64-2-27/6-2506

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-27-1	6-2326	A1	8"	185	187	184	99.5

64-2-28/6-2506

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-28-1	6-2506	S1	8"	175	266	162	92.6
64-2-28-2	6-2506	S1	8"	175	214	175	100.0
64-2-28-3	6-2506	S1	8"	175	194	189	108.0
64-2-28-4	6-2506	S1	8"	175	223	159	90.9
64-2-28-5	6-2505	A2	6"	50	19	48	96.0
64-2-28-6	HALL	A1	8"	175	155	167	95.4
64-2-28-7	6-2504	A2	6"	50	58	49	98.0
64-2-28-8	6-2503	A1	6"	50	75	54	108.0

64-2-29/6-2507

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-29-1	6-2507	S1	10"	200	62	213	106.5
64-2-29-2	6-2507	S1	10"	200	410	214	107.0
64-2-29-3	6-2507	S1	10"	200	282	204	102.0
64-2-29-4	6-2507	A1	8"	200	211	207	103.5
64-2-29-5	6-2507	S1	10"	200	41	210	105.0
64-2-29-6	6-2507	S1	10"	200	403	201	100.5
64-2-29-7	6-2507	S1	10"	200	52	189	94.5
64-2-29-8	6-2507	A1	8"	200	214	185	92.5
64-2-29-9	6-2507	A1	8"	200	249	212	106.0
64-2-29-10	6-2507	S1	10"	200	379	198	99.0

64-3-01/6-3317

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-01-1	6-3318	A1	10"	310	299	308	99.4

64-3-02/6-3406

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-02-1	6-3317	A1	8"	250	230	248	99.2
64-3-02-2	6-3317	A1	8"	245	234	256	104.5
64-3-02-3	6-3317	A1	8"	250	263	249	99.6
64-3-02-4	6-3316	A1	10"	310	312	315	101.6

64-3-03/6-3314

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-03-1	6-3314	A1	8"	220	270	224	101.8

64-3-04/6-3401-1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-04-1	6-3406	S1	10"	210	240	215	102.4
64-3-04-2	6-3406	S1	10"	210	263	204	97.1
64-3-04-3	6-3406	S1	10"	210	290	209	99.5
64-3-04-4	6-3406	S1	10"	210	243	221	105.2
64-3-04-5	6-3406A	S1	6"	0	0	0	-

64-3-05/6-3401-1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-05-1	6-3401-1	A1	8"	150	220	158	105.3
64-3-05-2	6-3401-1	A1	8"	150	260	154	102.7
64-3-05-3	6-3401-1	S1	8"	160	54	169	105.6
64-3-05-4	6-3401-1	S1	8"	160	201	154	96.3
64-3-05-5	6-3401-1	S1	8"	160	231	162	101.3
64-3-05-6	6-3401-1	S1	8"	160	195	149	93.1
64-3-05-7	6-3401-1	S1	8"	160	182	152	95.0
64-3-05-8	6-3401-1	S1	8"	160	215	172	107.5
64-3-05-9	6-3401-1	S1	8"	160	216	174	108.8
64-3-05-10	6-3401-1	S1	8"	160	189	169	105.6
64-3-05-11	6-3401-1	S1	8"	160	240	163	101.9

64-3-06/6-3404

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**	**AK**	**CFM(2)**
64-3-06-1	6-3401-1	A1	8"	165	182	170	103.0		
64-3-06-2	6-3401-1	A1	8"	165	185	161	97.6		
64-3-06-3	6-3401-1	S1	8"	160	208	153	95.6		
64-3-06-4	6-3401-1	S1	8"	160	133	171	106.9		
64-3-06-5	6-3401-1	S1	8"	160	92	164	102.5		
64-3-06-6	6-3401-1	S1	8"	160	147	152	95.0		
64-3-06-7	6-3401-1	S1	8"	160	246	154	96.3		
64-3-06-8	6-3401-1	S1	8"	160	225	171	106.9		
64-3-06-9	6-3401-1	S1	8"	160	283	167	104.4		
64-3-06-10	6-3401-1	S1	8"	160	251	162	101.3		
64-3-06-11	6-3401-1	S1	8"	160	275	157	98.1		
64-3-06-SGRD12	6-3401-1	S1	8"	160					
64-3-06-SGRD13	6-3401-1	S1	8"	160					
64-3-06-SGRD14	6-3401-1	S1	8"	160					

64-3-07/6-3404

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-07-1	6-3404	F1	18"X10"	515	753	507	98.4

64-3-08/6-3403

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-08-1	6-3403	A1	8"	270	262	257	95.2
64-3-08-2	HALL	A2	6"	125	51	117	93.6
64-3-08-3	6-3403	A1	8"	270	273	261	96.7
64-3-08-4	6-3405	A1	6"	125	56	114	91.2
64-3-08-5	6-3403	A1	8"	270	373	267	98.9
64-3-08-6	6-3402	A2	6"	50	121	48	96.0
64-3-08-7	6-3401-1	A1	8"	270	387	281	104.1
64-3-08-8	6-3401-1	A1	8"	270	377	276	102.2
64-3-08-9	6-3401-1	A1	8"	270	371	272	100.7
64-3-08-10	6-3401-1	A2	6"	0	0	0	-

64-3-09/6-3315

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-09-1	6-3315	A1	10"	360	410	361	100.3

64-3-10/6-3305

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-10-1	6-3305	A1	6"	100	144	100	100.0
64-3-10-2	6-3227	A1	6"	115	142	118	102.6
64-3-10-3	6-3227	A1	6"	100	113	103	103.0
64-3-10-4	6-3302	A1	6"	50	118	51	102.0
64-3-10-5	6-3216	A1	6"	100	137	96	96.0

64-3-11/6-3308

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-11-1	6-3306	A1	8"	200	214	206	103.0

64-3-12/6-3308

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-12-1	6-3307	A1	6"	100	122	92	92.0
64-3-12-2	6-3301-1	A1	6"	95	137	95	100.0
64-3-12-3	6-3308	A1	6"	100	146	108	108.0
64-3-12-4	HALL	A1	6"	90	124	96	106.7

64-3-13/6-3304

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-13-1	6-3303	A1	6"	100	111	97	97.0
64-3-13-2	6-3304	A1	6"	100	123	108	108.0

64-3-14/6-3313

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-14-1	6-3226	A2	6"	50	67	49	98.0
64-3-14-2	6-3301-2	A1	8"	170	124	166	97.6
64-3-14-3	6-3311	A2	6"	25	56	27	108.0
64-3-14-4	6-3313	A1	6"	100	71	91	91.0
64-3-14-5	6-3319	A2	6"	50	62	54	108.0
64-3-14-6	HALL	A1	8"	170	193	174	102.4

64-3-15/6-3312

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-15-1	6-3312	A1	8"	200	242	204	102.0

64-3-16/6-3320

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-16-1	6-3320	A1	8"	200	302	197	98.5

64-3-17/6-3509

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-17-1	3509	S1	8	175	184	169	96.6
64-3-17-2	3509	S1	8	175	215	186	106.3
64-3-17-3	3509	S1	8	175	217	183	104.6
64-3-17-4	3509	S1	8	175	223	178	101.7
64-3-17-5	3508	A2	6	50	33	48	96.0
64-3-17-6	HALLWAY	A1	6	100	50	93	93.0
64-3-17-7	3507	A2	6	50	22	54	108.0
64-3-17-8	3506	A1	6	50	49	52	104.0
64-3-17-9	HALLWAY	A1	6	100	80	93	93.0

64-3-18/6-3510

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-18-1	6-3510	A1	8"	200	149	194	97.0
64-3-18-2	6-3510	S1	10"	200	266	216	108.0
64-3-18-3	6-3510	A1	8"	200	30	184	92.0
64-3-18-4	6-3510	A1	8"	200	221	213	106.5
64-3-18-5	6-3510	S1	10"	200	328	193	96.5
64-3-18-6	6-3510	S1	10"	200	294	204	102.0
64-3-18-7	6-3510	S1	10"	200	304	189	94.5
64-3-18-8	6-3510	S1	10"	200	297	201	100.5
64-3-18-9	6-3510	S1	10"	200	335	179	89.5
64-3-18-10	6-3510	S1	10"	200	305	188	94.0

64-3-19/6-3310

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-19-1	6-3309	A1	6"	100	109	91	91.0
64-3-19-2	6-3310	A1	6"	100	128	107	107.0

64-3-20/6-3218

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-20-1	6-3219	A1	6"	100	130	100	100.0
64-3-20-2	6-3218	A1	6"	100	98	93	93.0
64-3-20-3	6-3215	A1	6"	100	134	97	97.0

64-4-01/6-4324

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-01-1	6-4324	A1	10"	340	394	338	99.4

64-4-02/6-4322

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-02-1	6-4323	A1	8"	220	241	218	99.1
64-4-02-2	6-4322	A1	8"	220	198	225	102.3

64-4-03/6-4321

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-03-1	6-4321	A1	6"	100	138	103	103.0
64-4-03-2	6-4320	A1	6"	100	96	101	101.0

64-4-04/6-4320

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-04-1	6-4320	A1	8"	220	287	223	101.4

64-4-05/6-4422

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-05-1	6-4422	A1	8"	200	188	195	97.5
64-4-05-2	6-4422	A1	8"	205	226	211	102.9

64-4-06/6-4420

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-06-1	6-4420	A1	8"	175	200	170	97.1
64-4-06-2	6-4418	A1	8"	175	228	172	98.3

64-4-07/6-4419

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-07-1	6-4421	A1	10	320	487	323	100.9
64-4-07-2	6-4419	A1	12	445	355	441	99.1

64-4-08/6-4417

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-08-1	6-4417	A1	10"	345	415	351	101.7

64-4-09/6-4416

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-09-1	6-4416	A1	6"	130	87	122	93.8
64-4-09-2	6-4416	S1	8"	145	234	149	102.8
64-4-09-3	6-4416	S1	8"	145	171	147	101.4
64-4-09-4	6-4416	S1	8"	145	204	150	103.4
64-4-09-5	6-4416	S1	8"	145	162	148	102.1

64-4-10/6-4408

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-10-1	6-4406	A1	10"	315	351	315	100.0
64-4-10-2	6-4408	A1	10"	315	340	303	96.2
64-4-10-3	6-4411	A1	10"	315	343	312	99.0

64-4-11/6-4403

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-11-1	6-4403	A1	12"	445	375	451	101.3
64-4-11-2	6-4404	A1	10"	315	429	313	99.4

64-4-12/6-4405

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-12-1	6-4400	A1	6"	70	92	74	105.7
64-4-12-2	6-4407	A1	6"	75	75	70	93.3
64-4-12-3	HALL	A1	6"	70	90	77	110.0

64-4-13/6-4409

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-13-1	6-4409	A1	8"	200	227	187	93.5
64-4-13-2	6-4405	A1	6"	75	117	79	105.3

64-4-14/6-4413

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-14-1	6-4413	A1	6"	50	81	51	102.0
64-4-14-2	HALL	A1	8"	60	83	64	106.7
64-4-14-3	6-4401	A1	6"	55	88	54	98.2
64-4-14-4	HALL	A1	6"	60	33	55	91.7
64-4-14-5	6-4415	A1	6"	75	67	75	100.0

64-4-15/6-4410

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-15-1	6-4410	A1	8"	210	244	216	102.9

64-4-16/6-4414

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-16-1	6-4414	A1	8"	175	207	169	96.6

64-4-17/6-4312

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-17-1	6-4300-2	A1	6"	145	144	138	95.2
64-4-17-2	6-4300-2	A1	6"	145	149	148	102.1
64-4-17-3	6-4312	A1	8"	205	201	200	97.6
64-4-17-4	6-4312	A1	8"	205	201	194	94.6
64-4-17-5	6-4301-2	A1	6"	145	335	139	95.9
64-4-17-6	6-4312	A1	8"	205	90	211	102.9
64-4-17-7	6-4301-2	A1	6"	145	138	146	100.7

64-4-18/6-4302

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-18-1	6-4305	A1	8"	100	122	107	107.0
64-4-18-2	6-4304	A1	8"	100	133	103	103.0
64-4-18-3	6-4303	A1	6"	100	90	95	95.0
64-4-18-4	6-4302	A1	6"	100	85	102	102.0

64-4-19/6-4223

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-19-1	6-4223	A1	8"	175	206	173	98.9

64-4-20/6-4226

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-20-1	6-4306	A1	6"	100	107	107	107.0
64-4-20-2	6-4224	A1	6"	100	92	92	92.0
64-4-20-3	6-4225	A1	6"	100	109	109	109.0
64-4-20-4	6-4226	A1	6"	100	93	93	93.0

64-4-21/6-4307

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-21-1	6-4307	A1	8"	175	196	186	106.3

64-4-22/6-4315

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-22-1	6-4313	A1	6"	155	162	147	94.8
64-4-22-2	6-4313	A1	6"	150	172	145	96.7

64-4-23/6-4326

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-23-1	6-4314	A1	6"	100	128	102	102.0
64-4-23-2	6-4315	A1	6"	115	119	105	91.3

64-4-24/6-4316

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-24-1	HALL	A1	8"	170	170	169	99.4
64-4-24-2	6-4318	A2	6"	75	83	77	102.7
64-4-24-3	6-4317	A1	6"	75	91	69	92.0
64-4-24-4	6-4301-1	A1	8"	170	190	173	101.8
64-4-24-5	6-4326	A1	8"	175	171	172	98.3
64-4-24-6	6-4325	A2	6"	50	96	51	102.0

64-4-25/6-4316

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-25-1	6-4316	a1	8"	200	241	198	99.0

64-4-26/6-4509

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-26-1	6-4510	A1	8"	200	158	200	100.0
64-4-26-2	6-4510	A1	8"	200	159	197	98.5
64-4-26-3	6-4510	A1	8"	200	222	203	101.5
64-4-26-4	6-4510	S1	10"	200	207	218	109.0
64-4-26-5	6-4510	S1	10"	200	279	214	107.0
64-4-26-6	6-4510	S1	10"	200	371	210	105.0
64-4-26-7	6-4510	S1	10"	200	318	213	106.5
64-4-26-8	6-4510	S1	10"	200	308	194	97.0
64-4-26-9	6-4510	S1	10"	200	240	204	102.0
64-4-26-10	6-4510	S1	10"	200	268	212	106.0

64-4-27/6-4509

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-27-1	6-4501	A1	6"	90	92	91	101.1
64-4-27-2	6-4506	A2	6"	50	60	49	98.0
64-4-27-3	6-4507	A2	6"	50	53	53	106.0
64-4-27-4	6-4501	A1	6"	95	95	92	96.8
64-4-27-5	6-4508	A2	6"	50	70	46	92.0
64-4-27-6	6-4509	S1	8"	175	157	154	88.0
64-4-27-7	6-4509	S1	8"	175	182	172	98.3
64-4-27-8	6-4509	S1	8"	175	251	189	108.0
64-4-27-9	6-4509	S1	8"	175	216	173	98.9

64-4-28/6-4219

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-28-1	6-4219	A1	8"	200	237	201	100.5

64-4-29/6-4214

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-29-1	6-4217	A1	6"	150	117	143	95.3
64-4-29-2	6-4218	A1	6"	115	102	118	102.6
64-4-29-3	6-4201-2	A1	6"	145	127	142	97.9
64-4-29-4	6-4221	A1	6"	75	123	72	96.0
64-4-29-5	6-4228	A2	6"	50	103	46	92.0

64-4-30/6-4214

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-30-1	6-4214	A1	8"	150	123	142	94.7
64-4-30-2	6-4214	A1	8"	155	239	158	101.9

64-4-31/6-4310

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-31-1	6-4215	A1	6"	100	109	98	98.0
64-4-31-2	6-4216	A1	6"	100	123	109	109.0

64-4-32/6-4310

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-32-1	6-4310	A1	6"	100	139	97	97.0
64-4-32-2	6-4311	A1	6"	100	107	94	94.0

64-5-01/5TH FLR SOUTH

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-5-01-1	5TH FLR SOUTH	F1	24"X10"	400	439	409	102.3
64-5-01-2	5TH FLR SOUTH	F1	24"X10"	400	420	389	97.3
64-5-01-3	5TH FLR SOUTH	F1	24"X10"	400	405	405	101.3
64-5-01-4	5TH FLR SOUTH	F1	24"X10"	400	467	410	102.5

64-5-02/5TH FLR SOUTH

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-5-02-1	5TH FLR SOUTH	DUCT	8"X12"	1200	1662	1214	101.2

64-1-12/6-1309

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-1302	A1	6"	100	121	102	102.0

64-1-16/6-1311

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-1311	A1	8"	175	196	180	102.9

64-1-28/6-1214

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-1214	A1	6"	75	124	81	108.0
SGRD2	HALL	A1	6"	155	145	158	101.9

Diffuser Supply (GRD)

64-1-01/6-1319

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-01-1	6-1319	A1	8"	160	202	175	109.4
64-1-01-2	6-1319	A1	8"	165	187	156	94.5

64-1-02/6-1322

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-02-1	6-1322	A1	8"	200	285	191	95.5
64-1-02-2	6-1321	A1	8"	200	252	204	102.0

64-1-03/6-1323

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-03-1	6-1324	A1	8"	200	276	215	107.5
64-1-03-2	6-1323	A1	8"	200	255	206	103.0

64-1-04/6-1415

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-04-1	6-1415	BOOTH	6"	100	178	108	108.0
64-1-04-2	6-1415	A1	6"	150	169	144	96.0
64-1-04-3	6-1417	A1	6"	150	181	146	97.3
64-1-04-4	6-1417	BOOTH	6"	100	152	93	93.0

64-1-05/6-1412

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-05-1	6-1412	BOOTH	6"	100	109	103	103.0
64-1-05-2	6-1412	A1	8"	175	375	172	98.3
64-1-05-3	6-1413	A1	6"	150	185	151	100.7
64-1-05-4	6-1413	BOOTH	6"	100	109	93	93.0

64-1-06/6-1408

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-06-1	6-1409	A1	8"	225	352	222	98.7
64-1-06-2	6-1408	A1	8"	225	362	212	94.2

64-1-07/6-1407

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-07-1	6-1407	A1	8"	225	293	240	106.7
64-1-07-2	6-1406	A1	8"	225	365	232	103.1
64-1-07-3	6-1405	A1	8"	175	282	169	96.6

64-1-08/6-1401

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-08-1	6-1400-2	A1	6"	100			-
64-1-08-2	6-1400-2	A1	6"	100			-
64-1-08-3	6-1400-1	A1	6"	100			-
64-1-08-4	6-1401	A1	6"	140			-
64-1-08-5	6-1400-1	A1	6"	85			-
64-1-08-6	6-1404	A1	6"	75			-

64-1-09/6-1410

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-09-1	6-1411	A1	6"	100	107	101	101.0
64-1-09-2	6-1414	A1	6"	115	130	108	93.9

64-1-10/6-1416

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-10-1	6-1416	A1	6"	120	154	123	102.5
64-1-10-2	6-1416	A1	6"	125	165	125	100.0
64-1-10-3	6-1402	A1	6"	75	174	74	98.7
64-1-10-4	6-1416	A1	6"	120	154	123	102.5

64-1-11/6-1303

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-11-1	6-1418	A1	6"	100	121	91	91.0
64-1-11-2	6-1303	A1	6"	100	149	108	108.0
64-1-11-3	6-1200B	A1	6"	95	122	92	96.8
64-1-11-4	6-1200	A1	6"	75	123	72	96.0

64-1-13/6-1309

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-13-1	6-1325-2	A1	8"	155	206	144	92.9
64-1-13-2	6-1309	A1	8"	205	203	198	96.6
64-1-13-3	6-1309	A1	8"	205	190	200	97.6
64-1-13-4	6-1309	A1	8"	210	182	215	102.4
64-1-13-5	6-1300-1	A1	8"	155	161	161	103.9

64-1-14/6-1306

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-14-1	6-1306	A1	6"	100	129	104	104.0
64-1-14-2	6-1307	A1	6"	100	87	102	102.0
64-1-14-3	6-1308	A1	6"	100	116	109	109.0

64-1-15/6-1310

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-15-1	6-1310	A1	6"	155	179	154	99.4
64-1-15-2	6-1310	A1	6"	150	167	153	102.0

64-1-17/6-1320

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-17-1	6-1313	A1	6"	115	137	118	102.6
64-1-17-2	6-1320	A1	6"	115	139	112	97.4

64-1-18/6-1315

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-18-1	6-1317	A1	6"	160	71	161	100.6
64-1-18-2	6-1315	A1	6"	50	121	55	110.0
64-1-18-3	6-1314	A1	6"	75	109	72	96.0
64-1-18-4	6-1300-2	A1	6"	160	117	160	100.0
64-1-18-5	6-1216	A1	6"	50	108	55	110.0
64-1-18-6	6-1318	A2	6"	50	70	46	92.0

64-1-19/6-1315

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-19-1	6-1315	A1	8"	200	244	209	104.5

64-1-20/6-1505

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-20-1	6-1505	S1	8"	100	94	91	91.0
64-1-20-2	6-1505	S1	8"	100	227	108	108.0
64-1-20-3	6-1505	S1	8"	100	220	104	104.0
64-1-20-4	6-1508	A2	6"	75	88	77	102.7
64-1-20-5	6-1504	A2	6"	50	69	54	108.0
64-1-20-6	6-1507-2	A1	8"	105	109	108	102.9
64-1-20-7	6-1509	A2	6"	75	66	77	102.7
64-1-20-8	6-1503	A2	6"	50	51	46	92.0
64-1-20-9	6-1502	A1	6"	50	49	53	106.0
64-1-20-10	6-1507-2	A1	6"	100	108	100	100.0

64-1-21/6-1506

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-21-1	6-1506	A1	10"	320	488	347	108.4
64-1-21-2	6-1506	A1	8"	315	49	282	89.5
64-1-21-3	6-1506	A1	10"	315	498	308	97.8

64-1-22/6-1211

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-22-1	6-1210	A1	6"	100	127	93	93.0
64-1-22-2	6-1211	A1	6"	100	95	105	105.0

64-1-23/6-1207

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-23-1	6-1209	A1	6"	100	154	93	93.0
64-1-23-2	6-1207	A1	8"	205	158	202	98.5

64-1-24/6-1205

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-24-1	6-1205	A1	6"	150	178	158	105.3
64-1-24-2	6-1202	A1	6"	115	187	109	94.8
64-1-24-3	6-1201	A1	6"	115	139	121	105.2

64-1-25/6-1301

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-25-1	6-1204	A2	6"	90	142	93	103.3
64-1-25-2	6-1325-1	A1	6"	100	165	108	108.0
64-1-25-3	6-1301	A1	6"	100	156	100	100.0
64-1-25-4	6-1213	A1	6"	105	143	107	101.9

64-1-26/6-1208

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-26-1	6-1206	A1	6"	100	115	97	97.0
64-1-26-2	6-1208	A1	6"	100	120	108	108.0

64-1-27/6-1215

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-27-1	6-1215	A1	8"	200	219	216	108.0

64-1-29/6-1304

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-29-1	6-1303	A1	8"	190	206	193	101.6

64-1-30/6-2401

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-1-30-1	6-1305	A1	6"	100	156	107	107.0

64-2-01/6-2320

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-01-1	6-2324	A1	8"	205	272	203	99.0
64-2-01-2	6-2324	A1	8"	210	322	226	107.6

64-2-02/6-2420

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-02-1	6-2323	A1	8"	225	224	240	106.7
64-2-02-2	6-2322	A1	8"	225	242	206	91.6
64-2-02-3	6-2321	A1	8"	225	261	214	95.1
64-2-02-4	6-2320	A1	8"	225	230	226	100.4

64-2-03/6-2319

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-03-1	6-2420	A1	6"	125	149	133	106.4

64-2-04/6-2319

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-04-1	6-2319	A1	8"	200	245	205	102.5
64-2-04-2	6-2319	A1	8"	200	293	220	110.0

64-2-05/6-2416

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-05-1	6-2416	A1	10"	310	378	295	95.2
64-2-05-2	6-2416	A1	10"	375	403	387	103.2
64-2-05-3	6-2416	A1	10"	375	363	385	102.7

64-2-06/6-2415

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-06-1	6-2415	A1	8"	225	239	221	98.2
64-2-06-2	6-2415	A1	8"	225	236	221	98.2
64-2-06-3	6-2412	A1	6"	100	124	101	101.0
64-2-06-4	6-2413	A2	6"	50	24	48	96.0

64-2-07/6-2411

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-07-1	6-2407	A2	6"	50	97	46	92.0
64-2-07-2	6-2406	A1	10"	270	370	286	105.9
64-2-07-3	6-2405	A1	10"	270	310	282	104.4
64-2-07-4	6-2404	A2	6"	50	61	49	98.0

64-2-08/6-2411

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-08-1	6-2411	A1	10"	300	299	290	96.7
64-2-08-2	6-2411	A1	10"	300	336	315	105.0

64-2-09/6-2403

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-09-1	6-2403	A1	12"	435	380	433	99.5
64-2-09-2	6-2403	A1	12"	435	376	420	96.6
64-2-09-3	6-2409	A2	6"	25	97	24	96.0

64-2-10/6-2318

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-10-1	HALL	A1	8"	165	186	163	98.8
64-2-10-2	6-2410	A1	8"	155	179	157	101.3
64-2-10-3	6-2408	A1	8"	185	92	166	89.7
64-2-10-4	6-2418	A2	6"	50	70	55	110.0
64-2-10-5	6-2419	A1	6"	50	140	48	96.0
64-2-10-6	6-2400	A1	8"	90	151	91	101.1
64-2-10-7	6-2401	A1	6"	90	82	87	96.7
64-2-10-8	6-2402	A1	12"	365	323	371	101.6

64-2-11/6-2318

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-11-1	6-2318	A1	8"	200	224	202	101.0

64-2-12/6-2219

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-12-1	6-2309	A1	6"	100	125	103	103.0
64-2-12-2	6-2310	A1	6"	100	95	96	96.0

64-2-13/6-2311

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-13-1	6-2302	A1	6"	100	113	100	100.0
64-2-13-2	6-2303	A1	6"	100	122	98	98.0
64-2-13-3	6-2220	A1	6"	100	164	102	102.0
64-2-13-4	6-2219	A1	6"	100	156	96	96.0

64-2-14/6-2221

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-14-1	6-2301-1	A1	6"	130	133	125	96.2
64-2-14-2	6-2301-1	A1	6"	130	130	130	100.0
64-2-14-3	6-2311	A1	8"	205	273	210	102.4
64-2-14-4	HALL	A1	6"	135	137	133	98.5
64-2-14-5	6-2311	A1	8"	200	275	187	93.5
64-2-14-6	6-2311	A1	8"	205	235	188	91.7
64-2-14-7	6-2300-1	A1	6"	130	119	127	97.7

64-2-15/6-2221

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-15-1	6-2223	A1	6"	100	122	103	103.0
64-2-15-2	6-2222	A1	6"	100	128	97	97.0
64-2-15-3	6-2221	A1	6"	100	140	98	98.0

64-2-16/6-2306

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-16-1	6-2306	A1	6"	100	117	95	95.0
64-2-16-2	6-2305	A1	6"	100	130	100	100.0
64-2-16-3	6-2304	A1	6"	100	104	91	91.0

64-2-17/6-2224

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-17-1	6-2224	A1	8"	175	193		-

64-2-18/6-2307

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-18-1	6-2307	A1	8"	175	211	179	102.3

64-2-19/6-2314

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-19-1	6-2312	A1	6"	150	163	148	98.7
64-2-19-2	6-2312	A1	6"	155	175	155	100.0

64-2-20/6-2314

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-20-1	6-2314	A1	6"	100	125	102	102.0
64-2-20-2	6-2313	A1	6"	100	95	97	97.0

64-2-21/6-2317

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-21-1	6-2325	A2	6"	50	45	54	108.0
64-2-21-2	6-2301-2	A1	6"	110	33	117	106.4
64-2-21-3	6-2317	A1	6"	85	225	90	105.9
64-2-21-4	HALL	A1	6"	105	164	109	103.8
64-2-21-5	6-2315	A1	6"	75	154	74	98.7
64-2-21-6	6-2300-1	A1	6"	110	104	104	94.5

64-2-23/6-2227

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-23-1	6-2227	A1	6"	60	114	55	91.7
64-2-23-2	6-2202-1	A1	6"	100	25	108	108.0
64-2-23-3	6-2218	A1	6"	75	113	74	98.7
64-2-23-4	6-2201-1	A1	6"	130	145	130	100.0

64-2-24/6-2226

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-24-1	6-2226	A1	8"	200	232	192	96.0

64-2-25/6-2217

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-25-1	6-2217	A1	6"	135	147	138	102.2

64-2-26/6-2316

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-26-1	6*-2316	A1	8"	165	203	172	104.2

64-2-27/6-2506

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-27-1	6-2326	A1	8"	185	187	184	99.5

64-2-28/6-2506

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-28-1	6-2506	S1	8"	175	266	162	92.6
64-2-28-2	6-2506	S1	8"	175	214	175	100.0
64-2-28-3	6-2506	S1	8"	175	194	189	108.0
64-2-28-4	6-2506	S1	8"	175	223	159	90.9
64-2-28-5	6-2505	A2	6"	50	19	48	96.0
64-2-28-6	HALL	A1	8"	175	155	167	95.4
64-2-28-7	6-2504	A2	6"	50	58	49	98.0
64-2-28-8	6-2503	A1	6"	50	75	54	108.0

64-2-29/6-2507

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-2-29-1	6-2507	S1	10"	200	62	213	106.5
64-2-29-2	6-2507	S1	10"	200	410	214	107.0
64-2-29-3	6-2507	S1	10"	200	282	204	102.0
64-2-29-4	6-2507	A1	8"	200	211	207	103.5
64-2-29-5	6-2507	S1	10"	200	41	210	105.0
64-2-29-6	6-2507	S1	10"	200	403	201	100.5
64-2-29-7	6-2507	S1	10"	200	52	189	94.5
64-2-29-8	6-2507	A1	8"	200	214	185	92.5
64-2-29-9	6-2507	A1	8"	200	249	212	106.0
64-2-29-10	6-2507	S1	10"	200	379	198	99.0

64-3-01/6-3317

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-01-1	6-3318	A1	10"	310	299	308	99.4

64-3-02/6-3406

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-02-1	6-3317	A1	8"	250	230	248	99.2
64-3-02-2	6-3317	A1	8"	245	234	256	104.5
64-3-02-3	6-3317	A1	8"	250	263	249	99.6
64-3-02-4	6-3316	A1	10"	310	312	315	101.6

64-3-03/6-3314

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-03-1	6-3314	A1	8"	220	270	224	101.8

64-3-04/6-3401-1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-04-1	6-3406	S1	10"	210	240	215	102.4
64-3-04-2	6-3406	S1	10"	210	263	204	97.1
64-3-04-3	6-3406	S1	10"	210	290	209	99.5
64-3-04-4	6-3406	S1	10"	210	243	221	105.2
64-3-04-5	6-3406A	S1	6"	0	0	0	-

64-3-05/6-3401-1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-05-1	6-3401-1	A1	8"	150	220	158	105.3
64-3-05-2	6-3401-1	A1	8"	150	260	154	102.7
64-3-05-3	6-3401-1	S1	8"	160	54	169	105.6
64-3-05-4	6-3401-1	S1	8"	160	201	154	96.3
64-3-05-5	6-3401-1	S1	8"	160	231	162	101.3
64-3-05-6	6-3401-1	S1	8"	160	195	149	93.1
64-3-05-7	6-3401-1	S1	8"	160	182	152	95.0
64-3-05-8	6-3401-1	S1	8"	160	215	172	107.5
64-3-05-9	6-3401-1	S1	8"	160	216	174	108.8
64-3-05-10	6-3401-1	S1	8"	160	189	169	105.6
64-3-05-11	6-3401-1	S1	8"	160	240	163	101.9

64-3-06/6-3404

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**	**AK**	**CFM(2)**
64-3-06-1	6-3401-1	A1	8"	165	182	170	103.0		
64-3-06-2	6-3401-1	A1	8"	165	185	161	97.6		
64-3-06-3	6-3401-1	S1	8"	160	208	153	95.6		
64-3-06-4	6-3401-1	S1	8"	160	133	171	106.9		
64-3-06-5	6-3401-1	S1	8"	160	92	164	102.5		
64-3-06-6	6-3401-1	S1	8"	160	147	152	95.0		
64-3-06-7	6-3401-1	S1	8"	160	246	154	96.3		
64-3-06-8	6-3401-1	S1	8"	160	225	171	106.9		
64-3-06-9	6-3401-1	S1	8"	160	283	167	104.4		
64-3-06-10	6-3401-1	S1	8"	160	251	162	101.3		
64-3-06-11	6-3401-1	S1	8"	160	275	157	98.1		
64-3-06-SGRD12	6-3401-1	S1	8"	160					
64-3-06-SGRD13	6-3401-1	S1	8"	160					
64-3-06-SGRD14	6-3401-1	S1	8"	160					

64-3-07/6-3404

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-07-1	6-3404	F1	18"X10"	515	753	507	98.4

64-3-08/6-3403

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-08-1	6-3403	A1	8"	270	262	257	95.2
64-3-08-2	HALL	A2	6"	125	51	117	93.6
64-3-08-3	6-3403	A1	8"	270	273	261	96.7
64-3-08-4	6-3405	A1	6"	125	56	114	91.2
64-3-08-5	6-3403	A1	8"	270	373	267	98.9
64-3-08-6	6-3402	A2	6"	50	121	48	96.0
64-3-08-7	6-3401-1	A1	8"	270	387	281	104.1
64-3-08-8	6-3401-1	A1	8"	270	377	276	102.2
64-3-08-9	6-3401-1	A1	8"	270	371	272	100.7
64-3-08-10	6-3401-1	A2	6"	0	0	0	-

64-3-09/6-3315

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-09-1	6-3315	A1	10"	360	410	361	100.3

64-3-10/6-3305

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-10-1	6-3305	A1	6"	100	144	100	100.0
64-3-10-2	6-3227	A1	6"	115	142	118	102.6
64-3-10-3	6-3227	A1	6"	100	113	103	103.0
64-3-10-4	6-3302	A1	6"	50	118	51	102.0
64-3-10-5	6-3216	A1	6"	100	137	96	96.0

64-3-11/6-3308

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-11-1	6-3306	A1	8"	200	214	206	103.0

64-3-12/6-3308

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-12-1	6-3307	A1	6"	100	122	92	92.0
64-3-12-2	6-3301-1	A1	6"	95	137	95	100.0
64-3-12-3	6-3308	A1	6"	100	146	108	108.0
64-3-12-4	HALL	A1	6"	90	124	96	106.7

64-3-13/6-3304

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-13-1	6-3303	A1	6"	100	111	97	97.0
64-3-13-2	6-3304	A1	6"	100	123	108	108.0

64-3-14/6-3313

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-14-1	6-3226	A2	6"	50	67	49	98.0
64-3-14-2	6-3301-2	A1	8"	170	124	166	97.6
64-3-14-3	6-3311	A2	6"	25	56	27	108.0
64-3-14-4	6-3313	A1	6"	100	71	91	91.0
64-3-14-5	6-3319	A2	6"	50	62	54	108.0
64-3-14-6	HALL	A1	8"	170	193	174	102.4

64-3-15/6-3312

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-15-1	6-3312	A1	8"	200	242	204	102.0

64-3-16/6-3320

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-16-1	6-3320	A1	8"	200	302	197	98.5

64-3-17/6-3509

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-17-1	3509	S1	8	175	184	169	96.6
64-3-17-2	3509	S1	8	175	215	186	106.3
64-3-17-3	3509	S1	8	175	217	183	104.6
64-3-17-4	3509	S1	8	175	223	178	101.7
64-3-17-5	3508	A2	6	50	33	48	96.0
64-3-17-6	HALLWAY	A1	6	100	50	93	93.0
64-3-17-7	3507	A2	6	50	22	54	108.0
64-3-17-8	3506	A1	6	50	49	52	104.0
64-3-17-9	HALLWAY	A1	6	100	80	93	93.0

64-3-18/6-3510

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-18-1	6-3510	A1	8"	200	149	194	97.0
64-3-18-2	6-3510	S1	10"	200	266	216	108.0
64-3-18-3	6-3510	A1	8"	200	30	184	92.0
64-3-18-4	6-3510	A1	8"	200	221	213	106.5
64-3-18-5	6-3510	S1	10"	200	328	193	96.5
64-3-18-6	6-3510	S1	10"	200	294	204	102.0
64-3-18-7	6-3510	S1	10"	200	304	189	94.5
64-3-18-8	6-3510	S1	10"	200	297	201	100.5
64-3-18-9	6-3510	S1	10"	200	335	179	89.5
64-3-18-10	6-3510	S1	10"	200	305	188	94.0

64-3-19/6-3310

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-19-1	6-3309	A1	6"	100	109	91	91.0
64-3-19-2	6-3310	A1	6"	100	128	107	107.0

64-3-20/6-3218

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-3-20-1	6-3219	A1	6"	100	130	100	100.0
64-3-20-2	6-3218	A1	6"	100	98	93	93.0
64-3-20-3	6-3215	A1	6"	100	134	97	97.0

64-4-01/6-4324

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-01-1	6-4324	A1	10"	340	394	338	99.4

64-4-02/6-4322

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-02-1	6-4323	A1	8"	220	241	218	99.1
64-4-02-2	6-4322	A1	8"	220	198	225	102.3

64-4-03/6-4321

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-03-1	6-4321	A1	6"	100	138	103	103.0
64-4-03-2	6-4320	A1	6"	100	96	101	101.0

64-4-04/6-4320

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-04-1	6-4320	A1	8"	220	287	223	101.4

64-4-05/6-4422

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-05-1	6-4422	A1	8"	200	188	195	97.5
64-4-05-2	6-4422	A1	8"	205	226	211	102.9

64-4-06/6-4420

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-06-1	6-4420	A1	8"	175	200	170	97.1
64-4-06-2	6-4418	A1	8"	175	228	172	98.3

64-4-07/6-4419

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-07-1	6-4421	A1	10	320	487	323	100.9
64-4-07-2	6-4419	A1	12	445	355	441	99.1

64-4-08/6-4417

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-08-1	6-4417	A1	10"	345	415	351	101.7

64-4-09/6-4416

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-09-1	6-4416	A1	6"	130	87	122	93.8
64-4-09-2	6-4416	S1	8"	145	234	149	102.8
64-4-09-3	6-4416	S1	8"	145	171	147	101.4
64-4-09-4	6-4416	S1	8"	145	204	150	103.4
64-4-09-5	6-4416	S1	8"	145	162	148	102.1

64-4-10/6-4408

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-10-1	6-4406	A1	10"	315	351	315	100.0
64-4-10-2	6-4408	A1	10"	315	340	303	96.2
64-4-10-3	6-4411	A1	10"	315	343	312	99.0

64-4-11/6-4403

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-11-1	6-4403	A1	12"	445	375	451	101.3
64-4-11-2	6-4404	A1	10"	315	429	313	99.4

64-4-12/6-4405

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-12-1	6-4400	A1	6"	70	92	74	105.7
64-4-12-2	6-4407	A1	6"	75	75	70	93.3
64-4-12-3	HALL	A1	6"	70	90	77	110.0

64-4-13/6-4409

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-13-1	6-4409	A1	8"	200	227	187	93.5
64-4-13-2	6-4405	A1	6"	75	117	79	105.3

64-4-14/6-4413

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-14-1	6-4413	A1	6"	50	81	51	102.0
64-4-14-2	HALL	A1	8"	60	83	64	106.7
64-4-14-3	6-4401	A1	6"	55	88	54	98.2
64-4-14-4	HALL	A1	6"	60	33	55	91.7
64-4-14-5	6-4415	A1	6"	75	67	75	100.0

64-4-15/6-4410

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-15-1	6-4410	A1	8"	210	244	216	102.9

64-4-16/6-4414

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-16-1	6-4414	A1	8"	175	207	169	96.6

64-4-17/6-4312

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-17-1	6-4300-2	A1	6"	145	144	138	95.2
64-4-17-2	6-4300-2	A1	6"	145	149	148	102.1
64-4-17-3	6-4312	A1	8"	205	201	200	97.6
64-4-17-4	6-4312	A1	8"	205	201	194	94.6
64-4-17-5	6-4301-2	A1	6"	145	335	139	95.9
64-4-17-6	6-4312	A1	8"	205	90	211	102.9
64-4-17-7	6-4301-2	A1	6"	145	138	146	100.7

64-4-18/6-4302

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-18-1	6-4305	A1	8"	100	122	107	107.0
64-4-18-2	6-4304	A1	8"	100	133	103	103.0
64-4-18-3	6-4303	A1	6"	100	90	95	95.0
64-4-18-4	6-4302	A1	6"	100	85	102	102.0

64-4-19/6-4223

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-19-1	6-4223	A1	8"	175	206	173	98.9

64-4-20/6-4226

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-20-1	6-4306	A1	6"	100	107	107	107.0
64-4-20-2	6-4224	A1	6"	100	92	92	92.0
64-4-20-3	6-4225	A1	6"	100	109	109	109.0
64-4-20-4	6-4226	A1	6"	100	93	93	93.0

64-4-21/6-4307

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-21-1	6-4307	A1	8"	175	196	186	106.3

64-4-22/6-4315

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-22-1	6-4313	A1	6"	155	162	147	94.8
64-4-22-2	6-4313	A1	6"	150	172	145	96.7

64-4-23/6-4326

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-23-1	6-4314	A1	6"	100	128	102	102.0
64-4-23-2	6-4315	A1	6"	115	119	105	91.3

64-4-24/6-4316

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-24-1	HALL	A1	8"	170	170	169	99.4
64-4-24-2	6-4318	A2	6"	75	83	77	102.7
64-4-24-3	6-4317	A1	6"	75	91	69	92.0
64-4-24-4	6-4301-1	A1	8"	170	190	173	101.8
64-4-24-5	6-4326	A1	8"	175	171	172	98.3
64-4-24-6	6-4325	A2	6"	50	96	51	102.0

64-4-25/6-4316

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-25-1	6-4316	a1	8"	200	241	198	99.0

64-4-26/6-4509

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-26-1	6-4510	A1	8"	200	158	200	100.0
64-4-26-2	6-4510	A1	8"	200	159	197	98.5
64-4-26-3	6-4510	A1	8"	200	222	203	101.5
64-4-26-4	6-4510	S1	10"	200	207	218	109.0
64-4-26-5	6-4510	S1	10"	200	279	214	107.0
64-4-26-6	6-4510	S1	10"	200	371	210	105.0
64-4-26-7	6-4510	S1	10"	200	318	213	106.5
64-4-26-8	6-4510	S1	10"	200	308	194	97.0
64-4-26-9	6-4510	S1	10"	200	240	204	102.0
64-4-26-10	6-4510	S1	10"	200	268	212	106.0

64-4-27/6-4509

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-27-1	6-4501	A1	6"	90	92	91	101.1
64-4-27-2	6-4506	A2	6"	50	60	49	98.0
64-4-27-3	6-4507	A2	6"	50	53	53	106.0
64-4-27-4	6-4501	A1	6"	95	95	92	96.8
64-4-27-5	6-4508	A2	6"	50	70	46	92.0
64-4-27-6	6-4509	S1	8"	175	157	154	88.0
64-4-27-7	6-4509	S1	8"	175	182	172	98.3
64-4-27-8	6-4509	S1	8"	175	251	189	108.0
64-4-27-9	6-4509	S1	8"	175	216	173	98.9

64-4-28/6-4219

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-28-1	6-4219	A1	8"	200	237	201	100.5

64-4-29/6-4214

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-29-1	6-4217	A1	6"	150	117	143	95.3
64-4-29-2	6-4218	A1	6"	115	102	118	102.6
64-4-29-3	6-4201-2	A1	6"	145	127	142	97.9
64-4-29-4	6-4221	A1	6"	75	123	72	96.0
64-4-29-5	6-4228	A2	6"	50	103	46	92.0

64-4-30/6-4214

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-30-1	6-4214	A1	8"	150	123	142	94.7
64-4-30-2	6-4214	A1	8"	155	239	158	101.9

64-4-31/6-4310

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-31-1	6-4215	A1	6"	100	109	98	98.0
64-4-31-2	6-4216	A1	6"	100	123	109	109.0

64-4-32/6-4310

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-4-32-1	6-4310	A1	6"	100	139	97	97.0
64-4-32-2	6-4311	A1	6"	100	107	94	94.0

64-5-01/5TH FLR SOUTH

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-5-01-1	5TH FLR SOUTH	F1	24"X10"	400	439	409	102.3
64-5-01-2	5TH FLR SOUTH	F1	24"X10"	400	420	389	97.3
64-5-01-3	5TH FLR SOUTH	F1	24"X10"	400	405	405	101.3
64-5-01-4	5TH FLR SOUTH	F1	24"X10"	400	467	410	102.5

64-5-02/5TH FLR SOUTH

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
64-5-02-1	5TH FLR SOUTH	DUCT	8"X12"	1200	1662	1214	101.2

64-1-12/6-1309

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-1302	A1	6"	100	121	102	102.0

64-1-16/6-1311

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-1311	A1	8"	175	196	180	102.9

64-1-28/6-1214

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
SGRD1	6-1214	A1	6"	75	124	81	108.0
SGRD2	HALL	A1	6"	155	145	158	101.9

Completed By: Nick Payne on

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Split Sys Furnace

Comfort. Under control.

Asset: AC-6-02 AREA:6-6534

Unit Data		
	Design	**Actual**
MFG	LIEBERT	LIEBERT
Model Num	MMD24ENPR0D4	MMD24ENPR0D4
Serial Num	-	Y22B001821
Configuration	-	HORIZONTAL
Filter Size Size 1	-	20X20

Test Data		
	Design	**Actual**
SF CFM	885	940
Motor Speed SetPt	-	HIGH
RL Voltage	-	214.9
RL Amperage	-	1.79
RA CFM	-	940

Motor Data		
	Design	**Actual**
Motor MFG	-	US MOTOR
Frame	-	48Y
Horsepower	0.5	0.5
Motor Rpm	-	1060
Phase	1	1
Voltage	208	208
Amperage	-	2.6

Performance Data		
	Design	**Actual**
Suction ESP	-	-0.68"
Discharge ESP	-	0.10"
Total ESP	0.3"	0.10"

Completed By: Tyler Youells

Notes:

National TAB

Project:DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

Split Sys Furnace

Comfort. Under control.

Diffuser Supply (GRD)

AC-6-02/6-6534

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
AC6-02-1	F1	10"X6"	250		205	230	-
AC6-02-2	F1	10"X6"	250		194	237	-
AC6-02-3	F1	10"X6"	250		187	241	-
AC6-02-4	F1	10"X6"	250		197	232	-

Completed By: Michael Gabbert on

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: FAN - Supply

Comfort. Under control.

Asset: SAF-1 AREA:EAST STAIRWELL

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	BSQ-300HP-50
Serial Num	-	NOT ACCESSIBLE

Motor Data		
	Design	**Actual**
Motor MFG	-	NOT ACCESSIBLE
Frame	-	NOT ACCESSIBLE
Horsepower	5.0	5.0
Motor Rpm	1725	1725
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	7.6
Service Factor	-	NA

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	NOT ACCESSIBLE
Motor Bore Size	-	NOT ACCESSIBLE
Fan Sheave Size	-	NOT ACCESSIBLE
Fan Sheave Bore	-	NOT ACCESSIBLE
Belt CL Distance	-	NOT ACCESSIBLE
Num of Belts	-	NOT ACCESSIBLE
Belt Size	-	NOT ACCESSIBLE

Test Data		
	Design	**Actual**
CFM	7000	6716
SF RPM	-	44.3HZ
RL Voltage	-	280 AVG
RL Amperage	-	3.31AVG
Suction ESP	-	-0.04"
Discharge ESP	-	0.13"
Total ESP	1.5"	0.17"
Brake Horse Power	-	2.18

Completed By: Tyler Youells

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: FAN - Supply

Comfort. Under control.

Asset: SAF-2 AREA:WEST STAIRWELL

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SAF-118-30
Serial Num	-	19298383

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	182T
Horsepower	3.0	3.0
Motor Rpm	1725	1765
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	4.2
Service Factor	-	1.15

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	1VP50
Motor Bore Size	-	1.25"
Fan Sheave Size	-	10"
Fan Sheave Bore	-	1"
Belt CL Distance	-	18"
Num of Belts	-	1
Belt Size	-	AX66

Test Data		
	Design	**Actual**
CFM	5000	4369
SF RPM	-	35.5HZ
RL Voltage	-	224AVG
RL Amperage	-	2.4AVG
Suction ESP	-	ATM
Discharge ESP	-	0.21"
Total ESP	1.00"	0.21"
Brake Horse Power	-	1.71

Completed By: Tyler Youells

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-169 AREA:6-4002

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	USF-24-5-B1-00-01-01
Serial Num	-	19420335
Type	-	UTILITY

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR RELIANCE
Frame	-	213T
Horsepower	7.5	7.5
Motor Rpm	1770	1770
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	9.5
Service Factor	-	1.15

Drive Data		
	Design	**Actual**

Test Data		
	Design	**Actual**
CFM	5290	5204
Fan RPM	1207	994
RL Voltage	-	452
RL Amperage	-	7.26
Suction ESP	-	-0.87"
Discharge ESP	-	0.12"
Total ESP	2.0"	0.99"
Brake Horse Power	-	2.55

Completed By: Tyler Youells

Notes:

National TAB

Project:DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-169/6-4002

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E169-1-1	K2	24"X12"	195	1	304		182	93.3
E169-1-2	K1	24"X12"	255	1	211		249	97.6
E169-1-3	K1	24"X12"	90	1	186		83	92.2
E169-1-4	K1	24"X12"	145	1	44		133	91.7
E169-1-5	K1	24"X12"	125	1	54		113	90.4
E169-1-6	K1	24"X12"	155	1	37		162	104.5
E169-1-7	K1	24"X12"	85	1	34		81	95.3
E169-1-8	K1	24"X12"	140	1	143		138	98.6
E169-1-9	K1	24"X12"	150	1	396		162	108.0
E169-2-1	K1	24"X12"	225	1	83		226	100.4
E169-2-2	K1	24"X12"	410	1	87		404	98.5
E169-2-3	K2	12"X24"	140	1	89		153	109.3
E169-2-4	K1	24"X12"	125	1	601		137	109.6
E169-2-5	K2	12"X12"	80	1	515		86	107.5
E169-2-6	K2	24"X24"	975	1	562		892	91.5
E169-2-7	K1	24"X12"	300	1	497		328	109.3
E169-3-1	K1	24"X12"	130	1	306		135	103.8
E169-3-2	K1	24"X12"	125	1	314		125	100.0
E169-3-3	K1	24"X12"	80	1	171		76	95.0
E169-3-4	K1	24"X12"	155	1	149		143	92.3
E169-3-5	K1	24"X12"	80	1	93		85	106.3
E169-3-6	K2	24"X12"	175	1	78		181	103.4
E169-3-7	K1	24"X12"	90	1	153		89	98.9
E169-4-1	K1	24"X12"	130	1	111		121	93.1
E169-4-2	K1	24"X12"	130	1	86		132	101.5
E169-4-3	K1	24"X12"	125	1	93		137	109.6
E169-4-4	K1	24"X12"	195	1	322		177	90.8
E169-4-5	K2	12"X12	80	1	192		83	103.8
E169-4-6	K2	12"X12"	85	1	115		82	96.5
E169-4-7	K2	24"X12"	115	1	94		109	94.8

Completed By: Michael Gabbert on

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-170 AREA:6-4400

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	USF-24-5-B1-00-01-01
Serial Num	-	19420342
Type	-	UTILITY

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR RELIANCE
Frame	-	215T
Horsepower	10.0	10
Motor Rpm	1770	1760
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	12.2
Service Factor	-	1.15

Drive Data		
	Design	**Actual**

Test Data		
	Design	**Actual**
CFM	7270	7162
Fan RPM	1440	1294
RL Voltage	-	278
RL Amperage	-	10.4
Suction ESP	-	-1.10"
Discharge ESP	-	0.28"
Total ESP	2.5"	1.38"
Brake Horse Power	-	5.63

Completed By: Tyler Youells

Notes:

National TAB

Project:DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-170/6-4400

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
E170-1-1	K1	24"X12"	125	1	316		135	108.0
E170-1-2	K1	24"X12"	190	1	301		200	105.3
E170-1-3	K2	12"X12"	80	1	189		78	97.5
E170-1-4	K1	24"X12"	90	1	356		90	100.0
E170-1-5	K1	24"X12"	190	1	274		180	94.7
E170-1-6	K1	24"X12"	200	1	0		206	103.0
E170-1-7	K2	24"X12"	125	1	29		113	90.4
E170-1-8	K1	24"X12"	225	1	220		213	94.7
E170-1-9	K1	24"X12"	110	1	10		118	107.3
E170-2-1	K1	24"X12"	125	1	210		122	97.6
E170-2-2	K2	12"X12"	80	1	75		87	108.8
E170-2-3	K2	12"X12"	80	1	20		83	103.8
E170-2-4	K2	24"X12"	195	1	363		203	104.1
E170-2-5	K1	24"X12"	200	1	26		190	95.0
E170-2-6	K1	24"X12"	125	1	179		115	92.0
E170-2-7	K1	24"X12"	200	1	289		210	105.0
E170-2-8	K1	24"X12"	125	1	226		134	107.2
E170-2-9	K1	24"X12"	125	1	163		119	95.2
E170-2-10	K1	24"X12"	125	1	129		137	109.6
E170-2-11	K1	24"X12"	125	1	23		132	105.6
E170-2-12	K1	24"X12"	180	1	145		181	100.6
E170-3-1	K1	24"X12"	125	1	253		114	91.2
E170-3-2	K2	12"X12"	100	1	232		110	110.0
E170-3-3	K1	24"X12"	125	1	393		117	93.6
E170-3-4	K2	12"X24"	140	1	356		134	95.7
E170-3-5	K1	24"X12"	200	1	216		211	105.5
E170-3-6	K1	24"X12"	125	1	163		128	102.4
E170-3-7	G1	30"X12"	515	1	130		483	93.8
E170-3-8	K2	24"X12"	225	1	111		223	99.1
E170-3-9	K1	12"X24"	180	1	152		171	95.0
E170-3-10	K1	24"X24"	715	1	733		631	88.3
E170-3-11	K2	24"X12"	175	1	301		163	93.1
E170-4-1	K1	24"X12"	125	1	239		114	91.2
E170-4-2	K2	12"X12"	80	1	180		83	103.8
E170-4-3	K2	12"X12"	80	1	270		88	110.0
E170-4-4	K1	24"X12"	190	1	64		185	97.4
E170-4-5	K1	12"X24"	140	1	117		127	90.7
E170-4-6	K1	24"X12"	125	1	150		125	100.0
E170-4-7	K1	24"X12"	200	1	0		203	101.5
E170-4-8	K1	24"X12"	125	1	170		127	101.6
E170-4-9	K2	12"X12"	80	1	66		82	102.5
E170-4-10	K1	12"X24"	165	1	110		171	103.6
E170-4-11	K1	24"X12"	100	1	113		110	110.0
E170-4-12	K1	24"X12"	135	1	188		133	98.5
E170-4-13	K1	24"X12"	80	1	233		83	103.8

Completed By: Michael Gabbert on

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-171 AREA:6-2403

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	CUE-130-7-VG-1-19-X
Serial Num	-	19235605
Type	-	UPBLAST CRE

Test Data		
	Design	**Actual**
CFM	1200	1288
RL Voltage	-	279.5
RL Amperage	-	3.55
Total ESP	1.0"	0.67"

Motor Data		
	Design	**Actual**
Motor MFG	-	VERI-GREEN
Frame	-	NL
Horsepower	0.75	0.75"
Motor Rpm	1725	1750
Phase	1	1
Voltage (rated)	277	277
Amperage (rated)	-	3.65
Service Factor	-	NL

Completed By: Michael Gabbert

Notes:

National TAB

Project:DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-171/6-2403

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E171-2-1	K1	24"X24"	1200	1	1288		1288	107.3

Completed By: Michael Gabbert on

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-172 AREA:6-4324

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	FJI-24-BI-X
Serial Num	-	19420346
Type	-	FUME

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	256T
Horsepower	20.0	20
Motor Rpm	1725	1765
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	24
Service Factor	-	1.15

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	6.5"
Motor Bore Size	-	1 5/8"
Motor Sheave SetPt	-	FIXED
Fan Sheave Size	-	6"
Fan Sheave Bore	-	1 15/16"
Belt CL Distance	-	19.5"
Num of Belts	-	4
Belt Size	-	BP56

Test Data		
	Design	**Actual**
CFM	7830	7984
Fan RPM	1807	1259
RL Voltage	-	249
RL Amperage	-	7.81
Suction ESP	-	-3.86"
Discharge ESP	-	0.10"
Total ESP	6.0"	3.96"
Brake Horse Power	-	6.51

Completed By: Michael Gabbert

Notes:

National TAB

Project:DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-172/6-4324

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E172-1-1	K1	24"X24"	400	1	588	410		-
E172-1-2	K1	24"X24"	400	1	414	387		-
E172-2-1	K1	24"X24"	400	1	26	379		-
E172-2-2	K1	24"X24"	400	1	303	401		-
E172-3-1	K1	24"X24"	400	1	450	423		-
E172-3-2	K1	24"X24"	400	1	539	415		-
E172-4-1	K1	24"X24"	400	1	483	405	382	95.5
E172-4-2	K1	24"X24"	400	1	365	378	392	98.0
E172-4-3	K1	24"X24"	400	1	492	408	428	107.0
E172-4-4	K1	24"X24"	275	1	394	288	258	93.8
E172-4-5	K1	12"X24"	150	1	306	144	141	94.0
E172-4-6	K1	24"X24"	275	1	273	251	259	94.2
E172-4-7	K1	24"X24"	545	1	642	596	537	98.5
E172-4-8	K1	24"X24"	450	1	542	455	465	103.3
E172-4-9	K1	24"X24"	275	1	553	284	265	96.4
E172-4-10	K1	24"X24"	420	1	961	443	419	99.8
E172-4-11	K1	24"X24"	220	1	428	237	202	91.8
E172-4-12	K1	24"X24"	320	1	603	342	304	95.0
E172-4-13	K1	24"X24"	220	1	469	206	234	106.4
E172-4-14	K1	24"X24"	320	1	341	343	305	95.3
E172-4-15	K1	24"X24"	320	1	241	324	299	93.4
E172-4-16	K1	24"X24"	440	1	399	465	427	97.0

Completed By: Michael Gabbert on

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-173 AREA:ELEVATOR 31,32,33

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-099-4-VG-1-19-X
Serial Num	-	19235607
Type	-	DOWNBLAST CRE

Test Data		
	Design	**Actual**
CFM	800	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.5"	

Motor Data		
	Design	**Actual**
Motor MFG	-	VERI-GREEN
Frame	-	NL
Horsepower	0.25	0.25
Motor Rpm	1725	1750
Phase	1	1
Voltage (rated)	277	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

Completed By: Michael Gabbert

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF-174 AREA:6-6500

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SQ-130HP-VG-7-6
Serial Num	-	19235232
Type	-	INLINE

Motor Data		
	Design	**Actual**
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	0.75	0.75
Motor Rpm	1950	2200
Phase	1	1
Voltage (rated)	277	277
Amperage (rated)	-	4.35
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	800	818
RL Voltage	-	278.1
RL Amperage	-	1.27
Total ESP	1.0"	0.32"

Completed By: Tyler Youells

Notes:

National TAB

Project:DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

FAN - Exhaust

Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-174/6-6500

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E174-6-1	G1	10"X10"	400	1	561		412	103.0
E174-6-2	G1	10"X10"	400	1	534		406	101.5

Completed By: Michael Gabbert on

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Boiler

Comfort. Under control.

Asset: BLR-26 AREA:PENTHOUSE

Unit Data		
	Design	**Actual**
MFG	NA	LOCHINVAR
Model Num	NA	FBN0751
Serial Num	-	2142 126561835

Test Data		
	Design	**Actual**
GPM	-	37.8

Completed By: Nick Payne

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Boiler

Comfort. Under control.

Asset: BLR-27 AREA:PENTHOUSE

Unit Data		
	Design	**Actual**
MFG	NA	LOCHINVAR
Model Num	NA	FBN1001
Serial Num	-	2142 126561833

Test Data		
	Design	**Actual**
GPM	-	68.2

Completed By: Nick Payne

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Boiler

Comfort. Under control.

Asset: BLR-28 AREA:PENTHOUSE

Unit Data		
	Design	**Actual**
MFG	NA	LOCHINVAR
Model Num	NA	FBN1001
Serial Num	-	2142 126561834

Test Data		
	Design	**Actual**
GPM	-	71.5

Completed By: Nick Payne

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Chiller

Comfort. Under control.

Asset: CH-11 AREA:ROOF

Unit Data		
	Design	**Actual**
MFG	NA	YORK
Model Num	NA	YVAA0308EVB46BAVB
Serial Num	-	11552N13694871
Type	SCREW	CHILLER

Test Data-Evaporator		
	Design	**Actual**

Completed By: Nick Payne

Notes: No ports to sample pressure drop *

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Chiller

Comfort. Under control.

Asset: CH-12 AREA:ROOF

Unit Data		
	Design	**Actual**
MFG	NA	YORK
Model Num	NA	YVAA0308EVV46BAVB
Serial Num	-	11552N13694870
Type	SCREW	SCREW

Test Data-Evaporator		
	Design	**Actual**

Completed By: Nick Payne

Notes: No ports to sample pressure drop *

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Pump

Comfort. Under control.

Asset: CHWP-11 AREA:ROOF

Unit Data		
	Design	**Actual**
MFG	NA	GRUNDFOS
Model Num	NA	LCS 30127
Service	-	CHILLED WATER
Type	-	CENTRIGUGAL
Pump RPM	-	1760
GPM/HD	550.0-125	555.0-125
Impeller Diameter	11.94"	11.94"

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	284TC
Horsepower	-	25
Motor Rpm	-	1775
Phase	-	3
Voltage	-	460
Amperage	-	30
Service Factor	-	1.15
Efficiency	-	93.6
Power Factor	-	82

Test Data		
	Design	**Actual**
Pump Off Pres	-	39.2 ft
Final Suction Pres (FT)	-	36.36 ft
Final Discharge Pres (FT)	-	152.7 ft
Total Head Pres (FT)	125'	116.3 ft
Final GPM	550.0	542.8
Pump Rotation	-	CW
Motor RPM	-	1627
Pump RPM	-	1627
Motor Frequency	-	55HZ
System SetPt	-	55HZ
RL Voltage	-	382V
RL Amperage	-	27.5
Brake Horse Power	-	20.25

Completed By: Nick Payne

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Pump

Comfort. Under control.

Asset: CHWP-12 AREA:ROOF

Unit Data		
	Design	**Actual**
MFG	NA	GRUNDFOS
Model Num	NA	LCS 30127
Service	-	CHILLED WATER
Type	-	CENTRIFUGAL
Pump RPM	-	1760
GPM/HD	550.0-125	550.0-125
Impeller Diameter	11.94"	11.94

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	284TC
Horsepower	-	25
Motor Rpm	-	1775
Phase	-	3
Voltage	-	460
Amperage	-	30
Service Factor	-	1.15
Efficiency	-	93.6
Power Factor	-	82

Test Data		
	Design	**Actual**
Pump Off Pres	-	37.9 ft
Final Suction Pres (FT)	-	35.09 ft
Final Discharge Pres (FT)	-	161.4 ft
Total Head Pres (FT)	125'	126.31 ft
Final GPM	550.0	547.6
Pump Rotation	-	CW
Motor RPM	-	1775
Pump RPM	-	1775
Motor Frequency	-	60HZ
System SetPt	-	60HZ
RL Voltage	-	32.6
RL Amperage	-	435
Brake Horse Power	-	27.2

Completed By: Nick Payne

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Pump

Comfort. Under control.

Asset: CHWP-13 AREA:ROOF

Unit Data		
	Design	**Actual**
MFG	NA	GRUNDFOS
Model Num	NA	LCS 30127
Service	-	CHILLED WATER
Type	-	CENTRIFUGAL
Pump RPM	-	1760
GPM/HD	550.0-125	550.0-125
Impeller Diameter	11.94"	11.94"

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	284TC
Horsepower	-	25
Motor Rpm	-	1775
Phase	-	3
Voltage	-	460
Amperage	-	30
Service Factor	-	1.15
Efficiency	-	93.6
Power Factor	-	82

Test Data		
	Design	**Actual**
Pump Off Pres	-	
Final Suction Pres (FT)	-	
Final Discharge Pres (FT)	-	
Total Head Pres (FT)	125'	
Final GPM	550.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Brake Horse Power	-	23.08

Completed By: Michael Gabbert

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Pump

Comfort. Under control.

Asset: HWP-26 AREA:ROOF

Unit Data		
	Design	**Actual**
MFG	NA	GRUNDFOS
Model Num	NA	16-30967-130108-1782P
Serial Num	-	19712008143-20B
Service	-	HOT WATER LOOP
Type	-	CENTRIFUGAL
Configuration	-	INLINE
Pump RPM	-	1760
GPM/HD	250.0-75	250-75
Impeller Diameter	9.16"	9.17

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	215JM
Horsepower	10.0	10
Motor Rpm	-	1770
Phase	-	3
Voltage	-	230/460
Amperage	-	12.5
Service Factor	-	1.15
Efficiency	-	91.7
Power Factor	-	0.82

Test Data		
	Design	**Actual**
Pump Off Pres	-	35.7 FT
Pump Dead Head Pres	-	96.8 FT
Act Impeller Dia (IN)	-	9.6 FT
Valve Open GPM (FT)	-	246.3
Valve Open Diff (FT)	-	77.3 FT
Final Suction Pres (FT)	-	33.5 FT
Final Discharge Pres (FT)	-	110.8 FT
Total Head Pres (FT)	75.0'	77.3 FT
Final GPM	250.0	246.3
Pump Rotation	-	CW CORRECT
Motor RPM	-	1771
Motor Frequency	-	60 HZ
System SetPt	-	0.75"
RL Voltage	-	455 VFD
RL Amperage	-	9.8 VFD
Brake Horse Power	-	6.63

Completed By: Nick Payne

Notes:

National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

System/Unit: Pump

Comfort. Under control.

Asset: HWP-27 AREA:ROOF

Unit Data		
	Design	**Actual**
MFG	NA	GRUNDFOS
Model Num	NA	16-30917-130108-1782P
Serial Num	-	1971208143-20A
Service	-	HOT WATER LOOP
Type	-	CENTRIFUGAL
Configuration	-	INLINE
Pump RPM	-	1760
GPM/HD	250.0-75	
Impeller Diameter	9.16"	9.17

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	215JM
Horsepower	10.0	10
Motor Rpm	-	1770
Phase	-	3
Voltage	-	230/460
Amperage	-	12.5
Service Factor	-	1.15
Efficiency	-	91.7
Power Factor	-	

Test Data		
	Design	**Actual**
Pump Off Pres	-	
Pump Dead Head Pres	-	
Act Impeller Dia (IN)	-	
Valve Open GPM (FT)	-	
Valve Open Diff (FT)	-	
Final Suction Pres (FT)	-	
Final Discharge Pres (FT)	-	
Total Head Pres (FT)	75.0'	
Final GPM	250.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Brake Horse Power	-	6.63

Completed By: Michael Gabbert

Notes:

Circuit Setter

HW CS/

Asset							
Asset Name	**Size**	**Type**	**Design GPM**	**Setting**	**Delta P**	**Final GPM**	**% to Design**
CS-1	4"	MANUAL	126.0	7.5	0.55	124.1	98.5
CS-2	4"	MANUAL	126.0	8.0	0.48	120.8	95.9

Circuit Setter

CHW CS/

Asset							
Asset Name	**Size**	**Type**	**Design GPM**	**Setting**	**Delta P**	**Final GPM**	**% to Design**
CS1	3	MANUAL	82	8.0	0.313	77.71	94.8
CS2	3	MANUAL	83	8.0	0.327	79.39	95.7
CS3	3	MANUAL	82	8.0	0.317	78.14	95.2
CS4	3	MANUAL	83	8.0	0.346	81.66	98.4
CS5	3	MANUAL	82	8.0	0.366	83.98	102.4
CS6	3	MANUAL	83	8.0	0.404	88.23	106.3
CS7	3	MANUAL	82	8.0	0.372	84.72	103.3
CS8	3	MANUAL	83	8.0	0.375	85.04	102.4
CS9	3	MANUAL	82	8.0	0.399	87.81	107.1
CS10	3	MANUAL	83	8.0	0.349	82.1	98.9
CS11	3	MANUAL	82	8.0	0.391	86.81	105.9
CS12	3	MANUAL	83	8.0	0.376	85.10	102.5