

Contract Change Order Summary

Contract No.: ADSPO15-090249

State of Arizona

State Procurement Office

100 N. 15TH Avenue, Suite 201

Phoenix, AZ 85007

Change Order No.: Nine (9) Date: May 20, 2016

HVAC Maintenance, Repair and Emergency Services

1. In accordance with the Special Terms and Conditions, Section 5. Contract, 5.4 Term of Contract, the Contract's term is hereby extended for one (1) year from May 22, 2016 to May 21, 2017 with extended savings.

2. Pricing shall be changed to the following:

ITEM	LOCATION	PAST	NEW
		ANNUAL COST	ANNUAL COST
4	Heating, Air Conditioning, and Ventilation	\$ 87,386.14	\$ 80,688.96
	Maintenance and Repair Services,		
	Mechanical Equipment Maintenance for the		
	Arizona Exposition and State Fair in		
	Phoenix, AZ		
5	Heating, Air Conditioning, and Ventilation	\$ 95,208.7	\$ 93,346
	Maintenance and Repair Services, Mechanical		
	Equipment Maintenance for the Industrial		
	Commission of Arizona in Phoenix, AZ		
6	Heating, Air Conditioning, and Ventilation	\$ 867,917.33	\$ 760,400
	Maintenance and Repair Services, Mechanical		
	Equipment Maintenance for the Various State		
	buildings in the capitol mall, Phoenix, AZ		
7	Heating, Air Conditioning, and Ventilation	\$ 122,458.97	\$ 113,073.84
	Maintenance and Repair Services, Mechanical		
	Equipment Maintenance for the Arizona State		
	Health Lab in Phoenix, AZ		

- 3. Attachment A, Tab A, Equipment List, shall be amended to exclude the following line items of attached Attachment A: 14-15, 64-76, 103-104, 179, 321-322, 384-392, 405-407, 412-417, 485-488, 569-570, 658, 665-669, 719-724, 793-801, 822-826, 839-842, 945-948, 952, 984-1000, 1005, 1020-1027, 1034-1043, 1053-1056, 1074-1078, 1082, 1089-1090, 1094-1098, 1119-1122, 1162-1166, 1170-1194, 1200-1201, 1243-1257.
- 4. Attachment A, Tab F, Air moving Equipment shall be amended to exclude the following line items of attached Attachment A: 1-13, 26-27, 39, 44, 50-51, 62-63, 68-76, 87-89, 94-99, 104, 109-112, 117-118, 130, 135-136, 149-157, 163-167, 173-176, 191-194, 198, 203-206, 211-215, 222-226, 280-294.

ALL OTHER REQUIREMENTS, SPECIFICATIONS, TERMS AND CONDITIONS REMAIN UNCHANGED.

ACKNOWLEDGEMENT

THIS CHANGE ORDER WAS PROCESSED AS A BILATERAL CHANGE ORDER. ALL CONTRACT SPECIFICATIONS, TERMS AND CONDITIONS, AND REQUIREMENTS REMAIN UNCHANGED. THIS DOCUMENT IS FOR INFORMATIONAL PURPOSES.

Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
No.							
001	1600 W	/ Monroe Department of Reven	nue				
	CHILLERS	·					
1 CH001B201	# 2	CENTRIFUGAL WATER CHILLER	YORK		B2 BASEMENT	-	-
2 CH001B202	#1	CENTRIFUGAL WATER CHILLER	YORK		B2 BASEMENT	-	-
3	CHILLER PU	MPS					
4 CP001B201	# 1	B-2 CHILLER PUMP 1			B2 BASEMENT	-	-
5 CP001B202	# 2	B-2 CHILLER PUMP 2			B2 BASEMENT	-	-
6 CP001B203	# 3	B-2 BUILDING PUMP 3			B2 BASEMENT	-	-
7 CP001B204	# 4	B-2 BUILDING PUMP 4			B2 BASEMENT	-	-
8	CONDENSE	R PUMPS					
9 1510BFW10	<u>#5</u>	B-2 Condesnser Pump 5	Bell & Gossett	CO36512-02-A70	B2 BASEMENT	-	-
10 1510BFW10	#6	B-2 Condesnser Pump 6	Bell & Gossett	CO36512-01-A70	B2 BASEMENT	-	-
11	COOLING TO						
12 CT001B101		COOLING TOWER	CERAMIC	CT 1247	B1 BASEMENT	-	-
13	COOLING TO	OWER FANS					
14 FN001CT01	#1	FAN & MOTOR			-	-	-
15 FN001CT02	# 2	FAN & MOTOR			-	-	-
16	ISOLATION						
17 IV001CR01	CHWS	CHILLER # 1 ISOLATION VALVE - CHWS			B2 BASEMENT	EQUIPMENT ROOM	@ CHILLER
18 IV001CR02	CHWR	CHILLER # 1 ISOLATION VALVE - CHWR			B2 BASEMENT	EQUIPMENT ROOM	@ CHILLER
19 IV001CR03	CDWS	CHILLER # 1 ISOLATION VALVE - CDWS			B2 BASEMENT	EQUIPMENT ROOM	@ CHILLER
20 IV001CR04	CDWR	CHILLER # 1 ISOLATION VALVE - CDWR			B2 BASEMENT	EQUIPMENT ROOM	@ CHILLER
21 IV001CR05	CHWS	CHILLER # 2 ISOLATION VALVE - CHWS			B2 BASEMENT	EQUIPMENT ROOM	@ CHILLER
22 IV001CR06	CHWR	CHILLER # 2 ISOLATION VALVE - CHWR			B2 BASEMENT	EQUIPMENT ROOM	@ CHILLER
23 IV001CR07	CDWS	CHILLER # 2 ISOLATION VALVE - CDWS			B2 BASEMENT	EQUIPMENT ROOM	@ CHILLER
24 IV001CR08	CDWR	CHILLER # 2 ISOLATION VALVE - CDWR			B2 BASEMENT	EQUIPMENT ROOM	@ CHILLER
25 IV001CR09	CHW	CHW PUMP #1 ISOLATION VALVE - SUCTION			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
26 IV001CR10	CHW	CHW PUMP # 1 ISOLATION VALVE - DISCHARGE			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
27 IV001CR11	CHW	CHW PUMP #2 ISOLATION VALVE - SUCTION			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
28 IV001CR12	CHW	CHW PUMP #2 ISOLATION VALVE - DISCHARGE			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
29 IV001CR13	CHW	CHW PUMP #3 ISOLATION VALVE - SUCTION			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
30 IV001CR14	CHW	CHW PUMP #3 ISOLATION VALVE - DISCHARGE			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
31 IV001CR15	CHW	CHW PUMP #4 ISOLATION VALVE - SUCTION			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
32 IV001CR16	CHW	CHW PUMP #4 ISOLATION VALVE - DISCHARGE			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
33 IV001CR17	CDW	CDW PUMP #1 ISOLATION VALVE - SUCTION			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
34 IV001CR18	CDW	CDW PUMP #1 ISOLATION VALVE - DISCHARGE			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
35 IV001CR19	CDW	CDW PUMP #2 ISOLATION VALVE - SUCTION			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.	Notes	Description	Wallulacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 5
36	IV001CR20	CDW	CDW PUMP #2 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
50	TVOOTERZO	CDVV	DISCHARGE			DZ B/ SEIVIEIT	EQUIT WEIGHT NOOM	@ 1 OWII
37	IV001CR21	CDW	CDW PUMP #3 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
٠.		0511	SUCTION			SE SASEMENT	Eggii MEM Noom	e . 5
38	IV001CR22	CDW	CDW PUMP #3 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
50	TVOOTCRZZ	CDVV	DISCHARGE			DZ DASEWIEWI	EQUIT WENT ROOM	@ 1 OWII
39	IV001CR23	CDW	CDW PUMP #4 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
33	TVOOTCR25	CDVV	SUCTION			DZ DASEWIEWI	EQUIT WENT ROOM	@ 1 OWII
40	IV001CR24	CDW	CDW PUMP #4 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ PUMP
40	TV001CK24	CDVV	DISCHARGE			BZ BASLIVILIN I	EQUIPIVIENT ROOM	@ FOIVIF
41	IV001HX01	HX # 1	HX #1 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ FLAT PLATE
71	IVUUIIIVUI	11/1 # 1	CHILLED WATER IN			BZ BASLIVILINI	EQUIFIVIENT ROOM	@ FLAT FLATE
42	IV001HX02	HX # 1	HX #1 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ FLAT PLATE
42	IVUUIHAUZ	UV # 1				DZ BASEIVIEN I	EQUIPIVIENT ROOM	@ FLAT PLATE
43	IV001HX03	HX # 2	CHILLED WATER OUT			D2 DASEMENT	EQUIDMENT BOOM	@ ELAT DI ATE
43	100014703	пх # 2	HX #2 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ FLAT PLATE
11	11/001 11/04	UV # 2	CONDENSER WATER			D2 DACEMENT	EQUIDMENT DOOM	© ELAT DI ATE
44	IV001HX04	HX # 2	HX #2 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ FLAT PLATE
			CONDENSER WATER			DO D 40514545	50,000,450,7000,4	0.51.47.51.475
45	IV001HX05	HX # 2	HX #2 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ FLAT PLATE
			CONDENSER WATER			22 2 4 5 5 4 5 4 5 4 5	50, 110, 15, 17, 0, 0, 1	0.51.47.51.475
46	IV001HX06	HX # 2	HX #2 ISOLATION VALVE -			B2 BASEMENT	EQUIPMENT ROOM	@ FLAT PLATE
			CONDENSER WATER					
47	250012001	FLAT PLATE	HEAT EXCHANGERS		20100 50110	D0 D 40514545		
48	PF001B201	FI 634/3/413	PLATE & FRAME HEAT EXCHANGER - BLDG	ALFA-LAVAL	30100-68448	B2 BASEMENT	-	-
49	E1 (0.00 OTO 4	FLOW VALV		T011/50 51 011/		25 2005	F 4.07	
50	FV009CT01		WATER LEVEL MAKE-UP VALVE	TOWER FLOW		RF ROOF	EAST	
51	FV009CT02		WATER LEVEL MAKE-UP VALVE	TOWER FLOW		RF ROOF	WEST	
52	D) (004 D 004	PNEUMATIO				D0 D 40514545	21414507 05 04 214	
53	PV001B201	# 9	FOR CLG TWR FAN #1			B2 BASEMENT	RM WEST OF CH RM	-
54	PV001B202	# 10	FOR CLG TWR FAN #2			B2 BASEMENT	RM WEST OF CH RM	-
55	PV001CH01	# 1	PNEUMATIC VALVES CHILLER #1 CHWR			B2 BASEMENT	-	-
56	PV001CH02	# 2	PNEUMATIC VALVES CHILLER #1 CDWS			B2 BASEMENT	-	-
57	PV001CH03	# 3	PNEUMATIC VALVES CHILLER #2 CHWR			B2 BASEMENT	-	-
58	PV001CH04	# 4	PNEUMATIC VALVES CHILLER #2 CDWS			B2 BASEMENT	-	-
59	PV001HX01	# 5	HX # 1 SYSTEM SELECT -			B2 BASEMENT	-	-
			CHWS (ABOVE CH 2)					
60	PV001HX02	# 6	HX # 1 SYSTEM SELECT -			B2 BASEMENT	-	-
			CDWS (@ HX ABOVE PUMPS)					
61	PV001HX03	# 7	HX # 2 CLNG WTR FROM COMP.RM			B2 BASEMENT	-	-
			(ABOVE PUMPS)					
62	PV001HX04	#8	HX # 2 CDW PUMPS SELECT			B2 BASEMENT	-	-
			(ABOVE PUMPS)					
63			PEED/FREQUENCY DRIVE CONTROLLERS					
	VD0010101	# 4	VARIABLE FREQUENCY DRIVE - AHU #1	PARAMETRICS	8721 1053	01 FIRST FLOOR	-	-
64		# 5	VARIABLE FREQUENCY DRIVE - AHU #2	PARAMETRICS	8721 1053	02 SECOND FLOOR	-	-
65	VD0010201	_		PARAMETRICS		03 THIRD FLOOR	-	-
65 66	VD0010201 VD0010301	# 6	VARIABLE FREQUENCY DRIVE - AHU #3					
65 66 67	VD0010201 VD0010301 VD0010401	# 6	VARIABLE FREQUENCY DRIVE - AHU #4	PARAMETRICS		04 FOURTH FLOOR	-	-
65 66 67 68	VD0010201 VD0010301 VD0010401 VD0010501	#6 #7 #8	VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5	PARAMETRICS PARAMETRICS		05 FIFTH FLOOR	-	-
65 66 67 68 69	VD0010201 VD0010301 VD0010401 VD0010501 VD0010601	#6 #7 #8 #9	VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5 VARIABLE FREQUENCY DRIVE - AHU #6	PARAMETRICS PARAMETRICS PARAMETRICS		05 FIFTH FLOOR 06 SIXTH FLOOR	- - -	-
65 66 67 68	VD0010201 VD0010301 VD0010401 VD0010501	#6 #7 #8	VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5	PARAMETRICS PARAMETRICS		05 FIFTH FLOOR	- - - -	- - -

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No.									
No.		l l							
12	Sub-location 3	Sub-location 2	Sub-location 1	Serial No.	Manufacturer	Description	Notes		
13	-	-	08 EIGHTH FLOOR		ABB	VARIABLE FREQUENCY DRIVE -	# 13		72
73 NODIOSON 12 WARRARE FROUNCY DRIVE - PARAMETRICS 8720 1034 OP NITH FLOOR		l l				MAKEUP AIR			
74		_	09 NINTH FLOOR	8720 1034	PARAMETRICS		# 12	VD0010901	73
SOLD PANDS FAIR P		<u> </u>							
75		l l	os militir Eook	0720 1034	TATOWNETTHES		14	VD0010302	
76	-	+	D2 DACEMENT	9721 1046	DADAMETRICS		# 2	VD001P201	75
77	+	-		6721 1040					
CHILLER PUMP 1	+	+		E062700EE0		1	# 3		_
78	-	-	BZ BASEIVIEIN I	3003700330	ADD			VD001B203	''
CHILLER PUMP 2			DO DACEMENT	F0C2700F20	ADD			V/D004 D204	70
79	-	-	BZ BASEMEN I	5063700539	ABB			VD001B204	78
BLO VARIABLE FREQUENCY DRIVE - ABB 2070100414 B2 BASEMENT -			DO DACES 45417	2050400240				VD004D005	70
NOTICE N	-	-	B2 BASEMENT	2069100240	ABB			VD001B205	79
BLIG PUMP 4									
81	-	-	B2 BASEMENT	2070100414	ABB			VD001B206	80
CONDENSOR PUMP 5									
R2	-	-	B2 BASEMENT	2065102633	ABB			VD001B207	81
CONDENSOR PUMP 6									
83	-	-	B2 BASEMENT	2070100462	ABB			VD001B208	82
ACHSSO-BCR-031A-4+B058						CONDENSOR PUMP 6			
85			B2 BASEMENT	2111500225	ABB	VFD E.TOWER FAN	4-4+B058	ACH550-BCR-031	83
WT001CR01			B2 BASEMENT	2111500306	ABB	VFD W.TOWER FAN	A-4+B058	ACH550-BCR-031	84
TOWER						<u>rment</u>	WATER TREAT		85
STATE WT001CR02	-	-	-					WT001CR01	86
SYSTEM									
89 WT001CRIM	-	-	-					WT001CR02	87
90 91 002 1818 W Adams DHS Vital Records	-	-	-	46299994		CHEMICAL SYSTEM BLEED-OFF METER		WT001CRBM	88
91 002 1818 W Adams DHS Vital Records	-	-	-	45329885		CITY WATER INJECTION METER		WT001CRIM	89
92									90
93						Adams DHS Vital Records	1818 W	002	
94 CH0020101									
95							CHILLERS		93
96 CP0020101 CHILL WATER PUMP & MOTOR BELL&GOSSETT UNAVAILABLE 01 FIRST FLOOR	-	-	OS OUTSIDE		YORK	AIR COOLED CHILLER		CH0020101	
97						<u>PS</u>	CHILLER PUM		95
98	-	-	01 FIRST FLOOR	UNAVAILABLE	BELL&GOSSETT			CP0020101	
99						ALVES	ISOLATION VA		97
100 1740 W Adams Department of Health Services	-	@ CHILLER	OS OUTSIDE			CHILLER ISOLATION VALVE - CHWS - (OUT)	CHWS	IV002CH01	98
101									99
102 VARIABLE SPEED/FREQUENCY DRIVE CONTROLLERS					<u>es</u>	Adams Department of Health Service	1740 W	<u>003</u>	
103 ACH550-BCR-157A-4 VFD SUPPLY FAN ABB 2094800983 PENTHOUSE 104 ACH550-VCR-072A-4 VFD RETURN FAN ABB 2094902462 PENTHOUSE 105 004 1740M West Adams Health Services Mechanical Building Image: Control of the period o									
104									
105 004 1740M West Adams Health Services Mechanical Building									
106 004 1740M West Adams Health Services Mechanical Building			PENTHOUSE	2094902462	ABB	VFD RETURN FAN	4-4	ACH550-VCR-072	104
107 Traditi West Adams Treatm Services Wechanical Building									105
					ical Building	Vest Adams Health Services Mechan	1740M V	<u>004</u>	
108 CHILLERS									
									108
109 CH0040101 #1 TRANE-ROTARY-SCREW TRANE V95A05482 01 FIRST FLOOR	-	-	01 FIRST FLOOR	V95A05482	TRANE	TRANE-ROTARY-SCREW	# 1	CH0040101	109
110 CH0040102 # 2 TRANE-ROTARY-SCREW TRANE V95A05481 01 FIRST FLOOR	-		01 FIRST FLOOR	V95A05481	TRANE	TRANE-ROTARY-SCREW	# 2	CH0040102	110
111 CHILLER PUMPS						<u>PS</u>	CHILLER PUM		111

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No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub location 2	Cub location 2
				5611411151	Sub location 1	Sub-location 2	Sub-location 5
112 CP0040101	MAIN CHW	CHILLED WATER PUMP & MOTOR	NONE	NONE	01 FIRST FLOOR	-	-
440 (000040402	11.6 61.047	(PRIMARY)	NONE	NONE	04 FIRST FLOOR		
113 CP0040102	H.S. CHW	CHILLED WATER PUMP & MOTOR	NONE	NONE	01 FIRST FLOOR	-	-
444 000040400		(SECONDARY)	2511000005	4764754	04 51007 51 000		
114 CP0040103	W.A. CHW	CHILLED WATER PUMP & MOTOR (SECONDARY)	BELL&GOSSETT	1764754	01 FIRST FLOOR	-	-
115 CP0040104	E.A. CHW	CHILLED WATER PUMP & MOTOR	PACIFIC PUMP	GNT01087F	01 FIRST FLOOR	_	_
110 610040104	E.7t. CITW	(SECONDARY)	TACHTET CIVII	GIVIOIOO71	of this tree in		
116	COOLING TOW	,					
	# 1	COOLING TOWER - EAST	CERAMIC	NONE	RF ROOF	_	_
	# 2	COOLING TOWER -WEST	CERAMIC	NONE	01 FIRST FLOOR	ENGINE ROOM	WEST
	CONDENSER P		CETUTIVITE	NONE	OTTINSTIEGON	ENGINE ROOM	WE31
	# 1	CONDENSOR PUMP-EAST TOWER	GE	RPD9183MN013	-	-	_
	# 2	CONDENSOR PUMP-WEST TOWER	GE	RPP9183MN013	-	-	_
		/ER FAN & MOTOR	0.	1 510514114015			
		FAN & MOTOR			01 FIRST FLOOR	_	-
		FAN & MOTOR			01 FIRST FLOOR	-	-
	FLOW VALVES				OT I MOTITEOUN		
126 FV004CT01	. LOW VALVES	WATER LEVEL MAKE-UP VALVE	TOWER FLOW			_	_
127 FV004CT02		WATER LEVEL MAKE-UP VALVE	TOWER FLOW		-	-	-
	ISOLATION VA	I.	TOTTLICTO				
	CHWS	CHILLER # 1 ISOLATION VALVE - CHWS -			01 FIRST FLOOR	CEILING	_
120 1004CN01	CIIVVJ	1ST VALVE			01111/3111001/	CEILING	-
130 IV004CR02	CHWR	CHILLER # 1 ISOLATION VALVE - CHWR			01 FIRST FLOOR	@ CHILLER	-
	CDWS	CHILLER # 1 ISOLATION VALVE - CDWS			01 FIRST FLOOR	@ CHILLER	-
	CDWR	CHILLER # 1 ISOLATION VALVE - CDWR			01 FIRST FLOOR	@ CHILLER	-
	CHWS	CHILLER # 2 ISOLATION VALVE - CHWS			01 FIRST FLOOR	@ CHILLER	-
	CDWR	CHILLER # 1 ISOLATION VALVE - CDWR			01 FIRST FLOOR	@ CHILLER	_
	CDWS	CHILLER # 2 ISOLATION VALVE - CDWS			01 FIRST FLOOR	@ CHILLER	-
	CDWR	CHILLER # 2 ISOLATION VALVE - CDWR			01 FIRST FLOOR	@ CHILLER	-
	CHWR	CH 1 & 2 CHWR TIE -			01 FIRST FLOOR	CEILING	-
		CHAIN PULL OPERATED					
138 IV004CR10	CHW	MAIN CH PUMP ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	-
		SUCTION			22	e . 5	
139 IV004CR11	CHW	MAIN CH PUMP ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	-
		DISCHARGE					
140 IV004CR12	CDW	CDW PUMP # 1 ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	-
		DISCHARGE				C 1 2	
141 IV004CR13	CDW	CDW PUMP #2 ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	@ COOLING TOWER
		DISCHARGE				C 1 2	C
142 IV004CR14	CHW	CHW PUMP #2 ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	-
	HEALTH SERV						
	BLD	,					
	5.5						
143 IV004CR15	CHW	CHW PUMP #2 ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	-
		DISCHARGE			01.1101112011	E 1 01411	
144 IV004CR16	CHW	CHW PUMP #3 ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	_
	WEST ANNEX				OI I III I I LOOK	1 01411	
1		JOCHON					
							i i
	BLD CHW	CHW PUMP #3 ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	_

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	Equipment No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
146	IV004CR18	CHW	CHW PUMP #4 ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	-
		EAST ANNEX	SUCTION					
		BLD						
147	IV004CR19	CHW	CHW PUMP #4 ISOLATION VALVE -			01 FIRST FLOOR	@ PUMP	-
			DISCHARGE					
148	IV004HX01	HX	HX ISOLATION VALVE - CHWS (HS OUT)			01 FIRST FLOOR	CEILING	BETWEEN CH#1 & #2
149	IV004HX02	HX	HX ISOLATION VALVE - CHWR (HS IN)			01 FIRST FLOOR	CEILING	@WEST WALL
150	IV004HX03	HX	HX ISOLATION VALVE - CDWS (HS OUT)			01 FIRST FLOOR	WEST WALL	-
151	IV004HX04	HX	HX ISOLATION VALVE - CDWR (HS IN)			01 FIRST FLOOR	WEST WALL	-
152			EAT EXCHANGERS					
153	PF0040101	HX-3	PLATE & FRAME	MUELLER	N/A	01 FIRST FLOOR	-	-
154		PNEUMATIC \						
155	PV004CH01	# 1	PNEUMATIC VALVES CHILLER #1 CHWR			-	-	-
156	PV004CH02	# 2	PNEUMATIC VALVES CHILLER #1 CDWR			-	-	-
157	PV004CH03	# 3	PNEUMATIC VALVES CHILLER #2 CHWR			01 FIRST FLOOR	CEILING	BETWEEN CH#1 & #2
158	PV004CH04	# 4	PNEUMATIC VALVES CHILLER #2 CDWR			-	-	-
159	PV004HX01	# 5	HX SYSTEM SELECT - CHW			01 FIRST FLOOR	CEILING	BETWEEN CH#1 & #2
160	PV004HX02	# 6	HX SYSTEM SELECT - CDW			01 FIRST FLOOR	WEST WALL	-
161			EED/FREQUENCY DRIVE CONTROLLERS					
162	ACH501-02004-0		VFD W. TOWER FAN	ABB	290513	CHILLER ROOM		
163	ACH501-02004-0		VFD E. TOWER FAN	ABB	290514	CHILLER ROOM		
164		WATER TREAT						
165	WT004CR01	CDW	WATER TREATMENT FOR COOLING TOWER #1			01 FIRST FLOOR	EAST WALL	-
166	WT004CR02	CDW	WATER TREATMENT FOR COOLING TOWER #2			01 FIRST FLOOR	WEST WALL	-
167	WT004CR03	CHILLED WAT	EWATER TREATMENT FOR CLOSED LOOP			-	-	-
400			SYSTEM		15000005			
168	WT004CRBM		CHEMICAL SYSTEM BLEED-OFF METER		46299995	-	-	
169 170	WT004CRIM		CITY WATER INJECTION METER		46250053	-	-	
171								
171	<u>006</u>	1688 W	Adams Department of Agricultur	<u>'e</u>				
172								
173		VARIABLE SPE	EED/FREQUENCY DRIVE CONTROLLERS					
174	VD006B101		VSD CONTROLLER/INVERTER FOR	ABB		B1 BASEMENT	AIR HANDLER ROOM	-
			BLDG AHU FAN					
175								
176	007	1624 W	Adams Department of Juvenile C	Corrections				
177	<u></u>							
178		VADIABLE CO	EED/FREQUENCY DRIVE CONTROLLERS					
179	VD007RF01	VARIABLE SPE	VSD CONTROLLER/INVERTER FOR	ABB		RF ROOF		_
113	V200711101		BLDG AHU FAN	AUU		iii Nooi	1	
180			DEDO ANO LAN					
181	000	1616 111	Adama Chata Land Danastria					
	008	1010 M	Adams State Land Department					
182								
183		CHILLERS						
184	CH0080101		SCROLL CHILLER	YORK	RLSM020742	01 FIRST FLOOR	EAST MECH RM	-
185	CH008B101	# 1	ROTARY CHILLER -CENTRAVAC SERIES R	TRANE	U95A05475	B1 BASEMENT	EQUIPMENT RM	-
186		# 2	ROTARY CHILLER -CENTRAVAC SERIES R	TRANE	U13E062326	B1 BASEMENT	EQUIPMENT RM	-
187		CHILLER PUM						
188	CP0080101		CHILLED WATER PUMP & MOTOR	ARMSTRONG	92749	01 FIRST FLOOR	EAST MECH RM	-
189	CP008B101	1	CHILLED WATER PUMP & MOTOR	PACIFIC PUMP	SRP10184-4-7	B1 BASEMENT	-	-

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	Equipment	Notes	Description	Manuacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 5
190	No.	COOLING TO	MEDC					+
	CT0080501	COOLING TO	COOLING TOWER #1	B.A.C.	U013372901MAD	PH PENTHOUSE		+
	CT0080301 CT008RF01		COOLING TOWER #1 COOLING TOWER #2 (EAST TOWER)	EVAPCO	8340998	RF ROOF	LOWER ROOF	NORTH SIDE
193	CTOOBNIOT	CONDENSER I		LVAFCO	8340998	NI NOOI	LOWER ROOF	NORTH SIDE
	DP0080101	CONDENSER	CONDENSER WATER PUMP & MOTOR	ARMSTRONG	105440	01 FIRST FLOOR	EAST MECH RM	
	DP008B101		CONDENSER WATER PUMP & MOTOR	AURORA PUMP	N/A	B1 BASEMENT	EAST WEET RIVI	
196	DI 000D101	COOLING TO	WER FAN & MOTOR	AUNUNATUWI	IV/A	BI DASENIENT		
	FN008CT01	# 1	FAN & MOTOR	B.A.C.		PH PENTHOUSE		
	FN008CT01	# 2	FAN & MOTOR	b.A.C.		RF ROOF	LOWER ROOF	NORTH SIDE
199	1100000102	FLOW VALVES				NI NOOI	EGWER ROOT	NORTHSIDE
	FV008CT01	ILOW VALVE.	WATER LEVEL MAKE-UP VALVE			RF ROOF	LOWER ROOF	NORTH SIDE
	FV008CT01		WATER LEVEL MAKE-UP VALVE			PH PENTHOUSE	-	-
202	1 100000102	ISOLATION V				TTTENTHOOSE		
-	IV008CH01	CHWS	CHILLER ISOLATION VALVE - CHWS			01 FIRST FLOOR	EAST MECH RM	@ CHILLER
	IV008CH02	CHWR	CHILLER ISOLATION VALVE - CHWR			01 FIRST FLOOR	EAST MECH RM	@ CHILLER
	IV008CH03	CDWS	CHILLER ISOLATION VALVE			01 FIRST FLOOR	EAST MECH RM	@ CHILLER
	IV008CH04	CDWR	CHILLER ISOLATION VALVE			01 FIRST FLOOR	EAST MECH RM	@ CHILLER
	IV008CH05	CHW	CHW PUMP ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EAST MECH RM	@ PUMP
	IV008CH06	CHW	CHW PUMP ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EAST MECH RM	@ PUMP
	IV008CH07	CDW	CDW PUMP ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EAST MECH RM	@ PUMP
	IV008CH08	CDVV	CDW PUMP ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EAST MECH RM	@ PUMP
		CHWS	CHILLER #1 ISOLATION VALVE			B1 BASEMENT	EQUIPMENT RM	@ CHILLER #1
	IV008CR02	CHWR	CHILLER #1 ISOLATION VALVE			B1 BASEMENT	EQUIPMENT RM	@ CHILLER #1
	IV008CR03	CDWS	CHILLER #1 ISOLATION VALVE			B1 BASEMENT	EQUIPMENT RM	@ CHILLER #1
	IV008CR04	CDWR	CHILLER #1 ISOLATION VALVE			B1 BASEMENT	EQUIPMENT RM	@ CHILLER #1
	IV008CR05	CHW	CHW PUMP #1 ISOLATION VALVE - SUCTION			B1 BASEMENT	EQUIPMENT RM	@ PUMP
	IV008CR06	CHW	CHW PUMP #1 ISOLATION VALVE - DISCHARGE			B1 BASEMENT	EQUIPMENT RM	@ PUMP
	IV008CR07	CDW	CDW PUMP #1 ISOLATION VALVE - SUCTION			B1 BASEMENT	EQUIPMENT RM	@ PUMP
	IV008CR08	CDW	CDW PUMP #1 ISOLATION VALVE - DISCHARGE			B1 BASEMENT	EQUIPMENT RM	@ PUMP
219			EAT EXCHANGERS					C 1 51111
	PF008B101		PLATE & FRAME EXCHANGER	APV CREPACO	76062	B1 BASEMENT	EQUIPMENT RM	-
221		PNEUMATIC V						
222	PV008CH01	# 1	CHILLER #1 PNEUMATIC VALVE - CHWS	TRANE		B1 BASEMENT	EQUIPMENT RM	@ CHILLER #1
223	PV008CH02	# 2	CHILLER #1 PNEUMATIC VALVE - CHWR	TRANE		B1 BASEMENT	EQUIPMENT RM	@ CHILLER #1
	PV008CH03	#3	CHILLER #1 PNEUMATIC VALVE - CDWS	TRANE		B1 BASEMENT	EQUIPMENT RM	@ CHILLER #1
	PV008CH04	# 4	CHILLER #1 PNEUMATIC VALVE - CDWR	TRANE		B1 BASEMENT	EQUIPMENT RM	@ CHILLER #1
		# 5	CHILLER #2 PNEUMATIC VALVE - CHWS	YORK		B1 BASEMENT	EQUIPMENT RM	@ CHILLER #2
	PV008CH06	# 6	CHILLER #2 PNEUMATIC VALVE - CHWR	YORK		B1 BASEMENT	EQUIPMENT RM	@ CHILLER #2
	PV008CH07	# 7	CHILLER #2 PNEUMATIC VALVE - CDWS	YORK		B1 BASEMENT	EQUIPMENT RM	@ CHILLER #2
		#8	CHILLER #2 PNEUMATIC VALVE - CDWR	YORK		B1 BASEMENT	EQUIPMENT RM	@ CHILLER #2
230	PV008HX01	# 9	HX PNEUMATIC VALVE - CHWS			B1 BASEMENT	EQUIPMENT RM	@ HEAT EXCHANGER
231	PV008HX02	# 10	HX PNEUMATIC VALVE - CDWS			B1 BASEMENT	EQUIPMENT RM	@ HEAT EXCHANGER
232		VARIABLE SPI	EED/FREQUENCY DRIVE CONTROLLERS					
233	ACH550-VCR-023	A-4	VFD TOWER FAN	ABB	2081801010	LOWER ROOF		
234	ACH550-VCR-015	A-4	VFD RETURN FAN	ABB	2131902832	E. SIDE CHILLER ROOM		
235	ACH550-VCR-031	A-4	VFD SUPPLY FAN	ABB	2131903771	E. SIDE CHILLER ROOM		
236		WATER TREA	TMENT					
237	WT008CR01	CDW	WATER TREATMENT FOR COOLING TOWER			-	-	-
			(EAST)					
238	WT008CR02	CHILLED WAT	EWATER TREATMENT FOR CLOSED LOOP			-	-	-
	WT008CRBM		CHEMICAL SYSTEM BLEED-OFF METER		46299996	-	-	-
240	WT008CRIM		CITY WATER INJECTION METER		46299984	-	-	-

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					0 1 101			
	Equipment No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
241	WT008CT03	CDW	WATER TREATMENT FOR COLING TOWER (WEST)			-	-	-
242	WT008CT04	CHILLED WATE						
		CHILLED WATE	WATER TREATMENT FOR CLOSED LOOP		46300007	-	-	-
243	WT008CTBM		CHEMICAL SYSTEM BLEED-OFF METER		46299997	-	-	-
244	WT008CTIM		CITY WATER INJECTION METER		1404076	-	-	-
245								
246	<u>009</u>	<u>1510M V</u>	V Adams Data Mechanical Building	T	1			
247								
248		CHILLERS						
249		# 1	TRANE-ROTARY-SCREW	TRANE		01 FIRST FLOOR	-	-
250		# 2	TRANE- ROTARY-SCREW	TRANE	U95A05473 V00U	01 FIRST FLOOR	-	-
251		CHILLER PUMI						
252	CP0090101	CHILLER # 1 PUMP	CHILLED WATER PUMP & MOTOR (EAST)	AURORA	N/A	01 FIRST FLOOR	-	-
253	CP0090102	CHILLER # 2 PUMP	CHILLED WATER PUMP & MOTOR (WEST)	AURORA		01 FIRST FLOOR	-	-
254	CP0090103	CHW	CHILLED WATER PUMP & MOTOR (EAST)	AURORA		01 FIRST FLOOR	=	-
		BUILDING PUMP	, ,					
255	CP0090104	CHW	CHILLED WATER PUMP & MOTOR (WEST)	AURORA		01 FIRST FLOOR	-	_
1 -00		BUILDING	CHILLED WATERTOWN & MOTOR (WEST)	, tottotu t		of this tree on		
1		PUMP						
256	CP0090105	CHW	CHILLED WATER PUMP & MOTOR (CENTER)	AURORA		01 FIRST FLOOR		
256			CHILLED WATER POWP & MOTOR (CENTER)	AURUKA		OI FIRST FLOOR	-	[-
l		BUILDING						
		PUMP						
257	CP009HX06		HX CHILLED WATER PUMP & MOTOR	AURORA		01 FIRST FLOOR	-	-
258		COOLING TOV						
259		# 1	COOLING TOWER - EAST	CERAMIC	N/A	RF ROOF	EAST	-
260		# 2	COOLING TOWER - WEST	CERAMIC	N/A	RF ROOF	WEST	-
261		CONDENSER P						
262	DP0090101	CHILLER #1	CONDENSER WATER PUMP & MOTOR (EAST)	AURORA		01 FIRST FLOOR	-	-
L		CDW PUMP						
263	DP0090102	CHILLER #2	CONDENSER WATER PUMP & MOTOR (WEST)	AURORA		01 FIRST FLOOR	=	-
		CDW PUMP						
264	DP0090103		CONDENSER WATER PUMP & MOTOR	BELL&GOSSETT	1065231	01 FIRST FLOOR	-	-
265			VER FAN & MOTOR				_	
266		# 1	COOLING TOWER FAN & MOTOR			RF ROOF	EAST	-
267		# 2	COOLING TOWER FAN & MOTOR			RF ROOF	WEST	-
268		FLOW VALVES						
269	FV009CT01		WATER LEVEL MAKE-UP VALVE	TOWER FLOW		RF ROOF	EAST	-
270	FV009CT02		WATER LEVEL MAKE-UP VALVE	TOWER FLOW		RF ROOF	WEST	-
271		ISOLATION VA						
272		CHWS	CHILLER #1 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
273	IV009CR02	CHWR	CHILLER #1 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
274	IV009CR03	CDWS	CHILLER #1 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
275	IV009CR04	CDWR	CHILLER #1 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
276	IV009CR05	CHWS	CHILLER #2 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
277	IV009CR06	CHWR	CHILLER #2 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
278	IV009CR07	CDWS	CHILLER #2 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
, -, 0								
279	IV009CR08	CDWR	CHILLER #2 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2

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	Equipment No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
281	IV009CR10	CHW	CHW PUMP #1 ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #1
282	IV009CR11	CHW	CHW PUMP #2 ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #2
283	IV009CR12	CHW	CHW PUMP #2 ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #2
284	IV009CR13	CHW	BLDG PUMP #3 ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #3
285	IV009CR14	CHW	BLDG PUMP #3 ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #3
286	IV009CR15	CHW	BLDG PUMP #4 ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #4
287	IV009CR16	CHW	BLDG PUMP #4 ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #4
288	IV009CR17	CHW	BLDG PUMP #5 ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #5
289	IV009CR18	CHW	BLDG PUMP #5 ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #5
290	IV009CR19	CHW	HX PUMP ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EQUIPMENT ROOM	@ HX PUMP
291	IV009CR20	CHW	HX PUMP ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EQUIPMENT ROOM	@ HX PUMP
292	IV009CR21	CDW	CDW PUMP #1 ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #1
293	IV009CR22	CDW	CDW PUMP #1 ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #1
294	IV009CR23	CDW	CDW PUMP #2 ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #2
295	IV009CR24	CDW	CDW PUMP #2 ISOLATION VALVE - DISCHARGE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #2
296		FLAT PLATE H	EAT EXCHANGERS					
297	PF0090101		PLATE & FRAME EXCHANGER			01 FIRST FLOOR	-	-
298		PNEUMATIC \	/ALVES					
299	PV009CH01	CHWR	CHILLER #1 PNEUMATIC VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
300	PV009CH02	CDWR	CHILLER #1 PNEUMATIC VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
301	PV009CH03	CHWR	CHILLER #2 PNEUMATIC VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
302	PV009CH04	CDWR	CHILLER #2 PNEUMATIC VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
303	PV009HX01	CDWS	HX SYSTEM SELECT PNEUMATIC VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #2
304	PV009HX02	CH 2 BYPASS	HX SYSTEM PNEUMATIC VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #2
305		VARIABLE SPE	EED/FREQUENCY DRIVE CONTROLLERS					
306	VD0090101	#1	VFD FOR COOLING TOWER	ABB		01 FIRST FLOOR	-	-
307	VD0090102	# 2	VFD FOR COOLING TOWER	ABB		01 FIRST FLOOR	-	-
308		WATER TREAT	TMENT					
309	WT009CR01	CDW	WATER TREATMENT FOR COOLING TOWER #1			01 FIRST FLOOR	-	-
310	WT009CR02	CDW	WATER TREATMENT FOR COOLING TOWER #2			01 FIRST FLOOR	-	-
311	WT009CR03	CHILLED WAT	WATER TREATMENT FOR CLOSED LOOP			01 FIRST FLOOR	-	-
312	WT009CRBM		CHEMICAL SYSTEM BLEED-OFF METER		46299998	-	-	-
313	WT009CRIM		CITY WATER INJECTION METER		46329861	-	-	-
314								
315	<u>010</u>	1520 W	Adams Department of Water Resou	rces (Agricultu	<u>re)</u>			
316		DOUITE?						
317	2500	BOILERS	CTTANA DOUGD #4	0.51.450.5555	1001 000	DENITURE OF THE PROPERTY OF TH		-
318	M4P-3500	#1	STEAM BOILER #1	CLEAVER BROOKS	4G01-8884	PENTHOUSE	EQUIPMENT ROOM	
319	P75	#2	STEAM BOILER #2	RITE	24685	PENTHOUSE	EQUIPMENT ROOM	
320			EED/FREQUENCY DRIVE CONTROLLERS		24240045::	50,000,050,7000,0		-
321	ACH550-VCR-072		VFD A/H #1	ABB	2131904614	EQUIPMENT ROOM		
322	ACH550-VCR-072		VFD A/H #2	ABB	2131904621	EQUIPMENT ROOM		
323		WATER TREAT						
324			WATER TREATMENT FOR CLOSED LOOP					
325			CHEMICAL SYSTEM BLEED-OFF METER				1	1
326			CITY WATER INJECTION METER					-
327								-
328	<u>011</u>	1700 W	Washington Executive Tower					
329								
330		CHILLERS	T					
331	CH011B101	#1	TRANE-ROTARY-SCREW	TRANE	U95A05480	B1 BASEMENT	MECHANICAL ROOM	-

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	F		Barandardania		Contal No.	Cub la cation 4	Cut In adding 2	Sub-levelier 2
	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
332	No. CH011B102	# 2	TRANE-ROTARY-SCREW	TRANE	U95A05479	B1 BASEMENT	MECHANICAL ROOM	
333	CHUIIBIUZ	# Z CHILLER PUN		INAINE	U93AU3479	BI BASEIVIEIN I	IVIECHANICAL ROOM	-
334	CD011D101	# 1				D4 DACEMENT	MECHANICAL DOOM	
	CP011B101 CP011B102		CHILLED WATER PUMP & MOTOR (EAST)			B1 BASEMENT B1 BASEMENT	MECHANICAL ROOM	-
335		# 3	CHILLED WATER PUMP & MOTOR (WEST)				MECHANICAL ROOM	-
336	CP011B1HX	HX	HX CHILLED WATER PUMP A& MOTOR			B1 BASEMENT	MECHANICAL ROOM	-
337		COOLING TO						
338	CT0110101	# 1	COOLING TOWER - WEST SIDE	CERAMIC	NONE	OS OUTSIDE	COOLING TOWER BLDG	-
339		CONDENSER						
340	DP011CT01	#1NW	COND WATER PUMP	AMER TRBN CO	N/A	OS OUTSIDE	COOLING TOWER BLDG	-
341	DP011CT02	# 2 SW	COND WATER PUMP	AMER TRBN CO	10329	OS OUTSIDE	COOLING TOWER BLDG	-
342			WER FAN MOTORS					
343	FM011CT01	#1NW	COOLING TOWER FAN MOTOR	STERLING		OS OUTSIDE	COOLING TOWER BLDG	-
344	FM011CT02	# 2 SW	COOLING TOWER FAN MOTOR	US ELEC MOTR		OS OUTSIDE	COOLING TOWER BLDG	-
345		COOLING TO	WER FANS					
346	FN011CT01	#1NW	COOLING TOWER FAN	LUFKIN	N/A	OS OUTSIDE	COOLING TOWER BLDG	-
347	FN011CT02	# 2 SW	COOLING TOWER FAN	LUFKIN	N/A	OS OUTSIDE	COOLING TOWER BLDG	-
348		FLOW VALVE	<u>s</u>					
349	FV011CT01		BASIN WATER LEVEL MAKE-UP VALVE			01 FIRST FLOOR	-	-
350		ISOLATION V	ALVES					
351	IV011CR01	CHWS	CHILLER #1 ISOLATION VALVE			B1 BASEMENT	MECHANICAL ROOM	@ CHILLER #1
352	IV011CR02	CDWS	CHILLER #1 ISOLATION VALVE			B1 BASEMENT	MECHANICAL ROOM	@ CHILLER #1
353	IV011CR03	CHWS	CHILLER #2 ISOLATION VALVE			B1 BASEMENT	MECHANICAL ROOM	@ CHILLER #2
354	IV011CR04	CDWS	CHILLER #2 ISOLATION VALVE			B1 BASEMENT	MECHANICAL ROOM	@ CHILLER #2
355	IV011CR17	V-1	X-OVER SYSTEM CHWS TIE VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ CEILING,ABOVE CH CHW
			CHAIN PULL OPERATED					PUMPS
356	IV011CR18	V-2	X-OVER SYSTEM CHWS TIE VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ CEILING,ABOVE MCC-
			CHAIN PULL OPERATED					1&SWITCHGE
357	IV011CR19	V-3	X-OVER SYSTEM CHWS TIE VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ CEILING,ABOVE MCC-
			CHAIN PULL OPERATED					1&SWITCHGE
358	IV011CR20	V-4	X-OVER SYSTEM CHWS TIE VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ CEILING,ABOVE MCC-
			CHAIN PULL OPERATED			BI B/ ISEMENT	INTEGRAL MOSILE	1&SWITCHGE
359	IV011CR21	CHW	CHW PUMP #1 ISOLATION VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ CHW PUMP #1
000	TVOITCKET	Citv	SUCTION			DI BASEMENT	WEELD WITCHE HOOM	e chw r chui wi
360	IV011CR22	CHW	CHW PUMP #1 ISOLATION VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ CHW PUMP #1
300	IVUITCRZZ	CITVV	DISCHARGE			BI BASLIVILINI	IVIECTIANICAE ROOM	@ CITW FOWE #1
361	IV011CR23	CHW	CHW PUMP #2 ISOLATION VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ CHW PUMP #2
361	IVUIICN25	CHVV				BI BASEIVIEIN I	IVIECHANICAL ROOM	@ CHW POWP #2
200	D/011CD24	CHW	SUCTION CHARLES IS CLATION VALVE			D4 DACEMENT	MECHANICAL DOOM	© CLIMA DUMAD #2
362	IV011CR24	CHW	CHW PUMP #2 ISOLATION VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ CHW PUMP #2
		00111	DISCHARGE			00 01 170105	00011110 7011150 0100	0.0014/.0140.40
363	IV011CT27	CDW	CDW PUMP #1 ISOLATION VALVE -			OS OUTSIDE	COOLING TOWER BLDG	@ CDW PUMP #1
		-	DISCHARGE					
364	IV011CT28	CDW	CDW PUMP #2 ISOLATION VALVE -			OS OUTSIDE	COOLING TOWER BLDG	@ CDW PUMP #2
			DISCHARGE					
365	IV011CT29	CDW	COOLING TOWER MAKE-UP WATER			OS OUTSIDE	COOLING TOWER BLDG	WEST WALL
			ISOLATION VALVE					
366	IV011CT30	CDW	COOLING TOWER MAKE-UP WATER			OS OUTSIDE	COOLING TOWER BLDG	@ MAKE-UP STATION
		1	ISOLATION VALVE					
367	IV011HX01	HX	HX ISOLATION VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ FLAT PLATE
<u> </u>			CHILLED WATER IN					
368	IV011HX02	HX	HX ISOLATION VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ FLAT PLATE
l			CHILLED WATER OUT					

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	Faulament	Natas	Description	Namus for advisors	Carial Na	Cub leastion 1	Sub-leastion 2	Sub leastion 2
	Equipment No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
369	IV011HX03	НХ	HX ISOLATION VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ FLAT PLATE
			CONDENSER WATER IN					
370	IV011HX04	нх	HX ISOLATION VALVE -			B1 BASEMENT	MECHANICAL ROOM	@ FLAT PLATE
			CONDENSER WATER OUT					
371		FLAT PLATE H	EAT EXCHANGERS					
372	PF011B101	нх	PLATE & FRAME EXCHANGER	MUELLER	136788-1	B1 BASEMENT	MECHANICAL ROOM	-
373		PACKAGE UNI			<u>'</u>			
374	PU011RF04		60 TON PACKAGE UNIT	MCQUAY	35L00667 02	RF ROOF	WEST SIDE	
375		PNEUMATIC V	ALVES					
376	PV011CH01	#1	CHILLER #1 PNEUMATIC VALVE - CHWR -			B1 BASEMENT	MECHANICAL ROOM	-
			EAST					
377	PV011CH02	# 2	CHILLER #1 PNEUMATIC VALVE - CDWS -			B1 BASEMENT	MECHANICAL ROOM	-
			EAST					
378	PV011CH03	#3	CHILLER #2 PNEUMATIC VALVE - CHWR -			B1 BASEMENT	MECHANICAL ROOM	-
			WEST					
379	PV011CH04	# 4	CHILLER #2 PNEUMATIC VALVE - CDWS -			B1 BASEMENT	MECHANICAL ROOM	-
			WEST					
380	PV011HX01	# 5	HX SELECT (TAGGED #3) -CDWR			B1 BASEMENT	MECHANICAL ROOM	CEILING, BETWEEN
								CH2 & GEN
381		SUBMERGED						
382	SP011CT01		SUBMERGED PUMP - FOR WEST BASIN ONLY			OS OUTSIDE	COOLING TOWER BLDG	-
383			ED/FREQUENCY DRIVE CONTROLLERS					
384	VD011B101	AHU 1	VSD_FOR BLDG AHU #1	ABB		B1 BASEMENT	-	-
385	VD011B102	AHU 2	VSD_FOR BLDG AHU #2	ABB	140807	B1 BASEMENT	-	-
386	VD011B103	AHU 3	VSD_FOR BLDG AHU #3	ABB		B1 BASEMENT	-	-
387	VD011B104	AHU 4	VSD FOR BLDG AHU #4	ABB		B1 BASEMENT	-	-
388		BUILDING F						
389	VF011B101	AHU 1	IN LINE AXIAL VANE FAN, MOTOR & CONTROL	JOY	SF 31424-1	B1 BASEMENT	-	-
390	VF011B102	AHU 2	IN LINE AXIAL VANE FAN, MOTOR & CONTROL	JOY	SF 31424	B1 BASEMENT	-	-
391	VF011B103	AHU 3	IN LINE AXIAL VANE FAN, MOTOR & CONTROL	JOY	SF 31424-2	B1 BASEMENT	-	-
392	VF011B104	AHU 4	IN LINE AXIAL VANE FAN, MOTOR & CONTROL	JOY	SF 31424-3	B1 BASEMENT	-	-
393		EQUIPMEN		400	2444500240	50,40,454,7,000,4		
394	ACH550-BCR-031		VFD TOWER FAN #1	ABB	2111500249	EQUIPMENT ROOM		
395	ACH550-BCR-031		VFD TOWER FAN #2	ABB	2111500211	EQUIPMENT ROOM		
396	ACH550-BCR-031		VFD TOWER FAN #3	ABB	2111500168	EQUIPMENT ROOM		
397 398	ACH550-BCR-031		VFD TOWER FAN #4	ABB	2111500194	EQUIPMENT ROOM		
398	WT011CR01	CHILLED WAT				OS OUTSIDE	COOLING TOWER BLDC	
აყყ	AN I OTTICKOT	CHILLED WAT	WATER TREATMENT FOR CLOSED LOOP SYSTEM			O3 OO ISIDE	COOLING TOWER BLDG	-
400	WT011CT01	CDW	WATER TREATMENT FOR COOLING TOWER			OS OUTSIDE	COOLING TOWER BLDG	
400	AA IOTICIOT	CDVV	WATER TREATIVIENT FOR COOLING TOWER			03 0013101	COOLING TOWER BEDG	
402	040	47001 11		al altre a sec				
702	<u>012</u>	1/00L W	Washington 1938/1919 Capitol A	<u>laaitions</u>				
403								
404		BUILDING FAI						
405	VF012B101		IN LINE AXIAL VANE FAN, MOTOR & CONTROL	CARRIER		B1 BASEMENT	-	-
406	VF012RF02		IN LINE AXIAL VANE FAN, MOTOR & CONTROL	CARRIER	794997218	RF ROOF	-	-
407	VF012RF03		IN LINE AXIAL VANE FAN, MOTOR & CONTROL	CARRIER		RF ROOF	-	-
408								
409	013	1700H W	/ Washington House					
410								
]							

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	Fautianana	Nietes	Description	Manufacture:	Carial Na	Cub leastion 1	Sub-leastion 2	Cub leastion 2
	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
411	No.	VFD - BUILDIN	NG FANS					
412	ACH550-VCR-08A		VFD RETURN FAN A/H #2	ABB	2134503539	ROOF		
413	ACH550-VCR-045		VFD COLD DECK FAN A/H #2	ABB	2134503358	ROOF		
414	ACH550-VCR-031		VFD HOT DECK FAN A/H #2	ABB	2134503532	ROOF		
415	ACH550-VCR-08A		VFD RETURN FAN A/H #3	ABB	2132304104	ROOF		
416	ACH550-VCR-045		VFD COLD DECK FAN A/H #3	ABB	2132304104	ROOF		
417	ACH550-VCR-031		VFD HOT DECK FAN A/H #3	ABB	2132303458	ROOF		
418	/ CHISSO TEN OSE		TO THE TELEVISION OF THE TELEV	7.00	2232303130			
419	014	1700C W	/ Washington Consts					
	014	17003 W	Washington Senate					
420								
421		CHILLERS						
422	CH014B101	# 1	TRANE CENTRIFUGAL CHILLER	TRANE	L94L11275	B1 BASEMENT	SOUTH EQUIPMENT	-
423	CH014B102	# 2	TRANE CENTRIFUGAL CHILLER	TRANE	L94L11600	B1 BASEMENT	SOUTH EQUIPMENT	-
424		CHILLER PUM	<u> </u>					
425	CP014B101	#3	CHILLED WATER PUMP AND MOTOR (X-OVER PUMP)	AURORA	137185 (GPM=1500)	B1 BASEMENT	-	-
426	CP014B102	# 2	CHILLED WATER PUMP & MOTOR (EAST)	AURORA	UNREADABLE	B1 BASEMENT	-	-
427	CP014B103	# 1	CHILLED WATER PUMP (WEST)	AURORA	UNREADABLE	B1 BASEMENT	-	-
428		COOLING TOV	<u>VERS</u>					
429	CT0140101	# 2	COOLING TOWER	CERAMIC		OS OUTSIDE	COOLING TOWER BLDG	EAST
430		CONDENSER F	PUMPS					
431	DP014CT01	# 1NE	CONDENSER WATER PUMP AND MOTOR	GE		OS OUTSIDE	COOLING TOWER BLDG	@ COOLING TOWER
432	DP014CT02	# 2SE	CONDENSER WATER PUMP AND MOTOR	ALLIS CHAMBE		OS OUTSIDE	COOLING TOWER BLDG	@ COOLING TOWER
433		COOLING TOV	VER FAN MOTORS					
434	FM014CT01	# 1NE	COOLING TOWER FAN MOTOR	US ELEC MOTR		OS OUTSIDE	COOLING TOWER BLDG	@ COOLING TOWER
435	FM014CT02	# 2SE	COOLING TOWER FAN MOTOR	US ELEC MOTR		OS OUTSIDE	COOLING TOWER BLDG	@ COOLING TOWER
436		COOLING TOV	<u>VER FANS</u>					
437	FN014CT01	# 1NE	COOLING TOWER FAN -	LUFKIN		OS OUTSIDE	COOLING TOWER BLDG	@ COOLING TOWER
438	FN014CT02	# 2SE	COOLING TOWER FAN	LUFKIN	NO NUMBER	OS OUTSIDE	COOLING TOWER BLDG	@ COOLING TOWER
439	_	FLOW VALVE						
440	FV014CT01		WATER LEVEL MAKE-UP VALVE			01 FIRST FLOOR	EAST	-
441		ISOLATION VA	ALVES					
442	IV014CR01	CHWS	CHILLER # 1 - ISOLATION VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #1
443	IV014CR02	CHWR	CHILLER # 1 - ISOLATION VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #1
444	IV014CR03	CDWS	CHILLER # 1 - ISOLATION VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #1
445	IV014CR04	CDWR	CHILLER # 1 - ISOLATION VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #1
446	IV014CR05	CHWS	CHILLER # 2 - ISOLATION VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #2
447	IV014CR06	CHWR	CHILLER # 2 - ISOLATION VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #2
448	IV014CR07	CDWS	CHILLER # 2 - ISOLATION VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #2
449	IV014CR08	CDWR	CHILLER # 2 - ISOLATION VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #2
450	IV014CR09	CHW	CHW PUMP # 1 ISOLATION VALVE - SUCTION			B1 BASEMENT	SOUTH EQUIPMENT	@ CHW PUMP #1
451	IV014CR10	CHW	CHW PUMP # 1 ISOLATION VALVE - DISCHARGE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHW PUMP #1
452	IV014CR11	CHW	CHW PUMP # 2 ISOLATION VALVE -			B1 BASEMENT	SOUTH EQUIPMENT	@ CHW PUMP #2
453	IV014CR12	CHW	SUCTION CHW PUMP # 2 ISOLATION VALVE -			B1 BASEMENT	SOUTH EQUIPMENT	@ CHW PUMP #2
454	IV014CR13	CHW	DISCHARGE X-OVER CHW PUMP ISOLATION VALVE - DISCHARGE			B1 BASEMENT	SOUTH EQUIPMENT	@ CHW PUMP #2

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.							
455	IV014CR14	V-1	X-OVER SYSTEM CHWS TIE VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CEILING ABOVE CHW
			(CHAIN PULL)					PUMPS
456	IV014CR15	V-2	X-OVER SYSTEM CHWR TIE VALVE			B1 BASEMENT	ABOVE SWITCHGEAR RM	-
			(CHAIN PULL)					
457	IV014CR16	V-3	X-OVER SYSTEM CHWS TIE VALVE			B1 BASEMENT	SOUTH EQUIPMENT	@ CEILING ABOVE CHW
			(CHAIN PULL)					PUMPS
458	IV014CR17	V-4	X-OVER SYSTEM CHWR TIE VALVE			B1 BASEMENT	ABOVE SWITCHGEAR RM	-
450	D (04 4 0 T 04	00111	(CHAIN PULL)			00.00.00.00.00.00.00.00.00.00.00.00.00.	000000000000000000000000000000000000000	0.0000000000000000000000000000000000000
459	IV014CT01	CDW	CDW PUMP # 1 ISOLATION VALVE -			OS OUTSIDE	COOLING TOWER BLDG	@ CDW PUMP #1 (NE)
460	D/014CT02	CDW	DISCHARGE			OC OLITCIDE	COOLING TOWER BLDC	© CDW DUMAD #3 (CE)
460	IV014CT02	CDW	CDW PUMP # 1 ISOLATION VALVE -			OS OUTSIDE	COOLING TOWER BLDG	@ CDW PUMP #2 (SE)
461	IV014HX01	НХ	DISCHARGE HX ISOLATION VALVE -			B1 BASEMENT	SOUTH EQUIPMENT	@CEILING ABOVE FLAT PLATE
461	1V014HX01	пх	CHILLED WATER IN			BI BASEIVIEN I	SOUTH EQUIPMENT	@CEILING ABOVE FLAT PLATE
462	IV014HX02	нх	HX ISOLATION VALVE -			B1 BASEMENT	SOUTH EQUIPMENT	@ FLAT PLATE
402	100141102	n^	CHILLED WATER OUT			BI BASEIVIEINI	300TH EQUIPMENT	@ FLAT PLATE
463	IV014HX03	нх	HX ISOLATION VALVE -			B1 BASEMENT	SOUTH EQUIPMENT	@CEILING ABOVE CH #2
403	1001411003	117	CONDENSER WATER IN			BI BASLIVILINI	300TH EQUIPMENT	@CEILING ABOVE CIT#2
464	IV014HX04	НХ	HX ISOLATION VALVE -			B1 BASEMENT	SOUTH EQUIPMENT	@ CEILING BETWEEN CH1&2
404	101411704	117	CONDENSER WATER OUT			DI BASEMENT	300 THE QUILLET	& CEILING BETWEEN CHIQE
465		FLAT PLATE	HEAT EXCHANGERS					
466	PF014B101	HX	PLATE & FRAME EXCHANGER	MUELLER	136788-2	B1 BASEMENT	SOUTH EQUIPMENT	-
467		PNEUMATIC						
468	PV014CH01	# 1	CHILLER # 1 - PNEUMATIC VALVE - CHWR			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #1
469	PV014CH02	# 2	CHILLER # 1 - PNEUMATIC VALVE - CDWR			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #1
470	PV014CH03	# 3	CHILLER # 2 - PNEUMATIC VALVE - CHWR			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #2
471	PV014CH04	# 3	CHILLER # 2 - PNEUMATIC VALVE - CDWR			B1 BASEMENT	SOUTH EQUIPMENT	@ CHILLER #2
472	PV014HX01	# 5	HX SELECT - CHWR			B1 BASEMENT	SOUTH EQUIPMENT	@ FLAT PLATE
473	PV014HX02	# 6	HX SELECT - CDWR			B1 BASEMENT	SOUTH EQUIPMENT	@ CEILING BETWEEN CH1&2
474		SUBMERGE	PUMP					
475	SP014CT01		SUBMERGED PUMP			OS OUTSIDE	COOLING TOWER BLDG	EAST
476		VARIABLE SE	PEED/FREQUENCY DRIVE CONTROLLERS					
477	VD014B101		VFD DRIVE FOR AHU #1	ABB		B1 BASEMENT	-	-
478		WATER TREA	ATMENT					
479	WT014CR01	CDW	WATER TREATMENT FOR CLOSED LOOP SYSTEM			-	-	-
480	WT014CT01	CHILLED WA	TEWATER TREATMENT FOR COOLING TOWER			OS OUTSIDE	COOLING TOWER BLDG	-
481								
482	015	1400 W	Washington Boards and Commis	sions				
483	2-2							
484		BUILDING FA	ANS					
485	VF015B101	# 1SA	SUPPLY AIR FAN, MOTOR & CONTROL	FLAKT-AXICO	1100082	B1 BASEMENT	_	_
486	VF015B101 VF015B102	# 13A # 2SA	SUPPLY AIR FAN, MOTOR & CONTROL	FLAKT-AXICO	1100082	B1 BASEMENT		_
487	VF015B102	# 23A # 1RA	RETURN AIR FAN, MOTOR & CONTROL	FLAKT-AXICO	1100081	B1 BASEMENT	_	_
488	VF015B104	# 2RA	RETURN AIR FAN, MOTOR & CONTROL	FLAKT-AXICO	1100084	B1 BASEMENT	_	_
489			,					
490	016	140084	W/ Washington 1200/1400 Masha	nical Buildina	1			
	010	140014	W Washington 1300/1400 Mecha	illical Dullullig	Г			
491								
492	0110466:5:	CHILLERS	TRANS BOTARY COREW	T0 4415		04 51907 5: 5 5 5		
493	CH0160101	1	TRANE-ROTARY-SCREW	TRANE	U95A05471	01 FIRST FLOOR	-	-

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Equipn	ment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
No.								
494 CH0160	60102		TRANE-ROTARY-SCREW	TRANE	U95A05472	01 FIRST FLOOR	-	-
495 CH0160			TRANE-ROTARY-SCREW	TRANE	U95A05470	01 FIRST FLOOR	-	-
496		CHILLER PUT						
497 CP0160	50101	# 1	CHILLED WATER PUMP			01 FIRST FLOOR	EQUIPMENT ROOM	-
498 CP0160	50102	# 2	CHILLED WATER PUMP			01 FIRST FLOOR	EQUIPMENT ROOM	-
499 CP0160		# 3	CHILLED WATER PUMP			01 FIRST FLOOR	EQUIPMENT ROOM	-
500		COOLING TO						
501 CT0160	50101	# 1	COOLING TOWER	CERAMIC		01 FIRST FLOOR	EQUIPMENT ROOM	CENTER
502 CT0160		# 2	COOLING TOWER	CERAMIC		01 FIRST FLOOR	EQUIPMENT ROOM	WEST
503 CT0160	50103	# 3	COOLING TOWER	CERAMIC		01 FIRST FLOOR	EQUIPMENT ROOM	EAST
504		CONDENSER	,					
505 DP0160	60101	#1	CONDENSER WATER PUMP		NOT READABLE	01 FIRST FLOOR	EQUIPMENT ROOM	-
506 DP0160		# 2	CONDENSER WATER PUMP			01 FIRST FLOOR	EQUIPMENT ROOM	-
507			OWER FAN MOTORS					
508 FM016	6CT01	# 1	COOLING TOWER FAN MOTOR		DDH132060034	01 FIRST FLOOR	EQUIPMENT ROOM	COOLING TOWER #2
509 FM016		# 2	COOLING TOWER FAN MOTOR		DDH132060034	RF ROOF	-	-
510 FM016		# 3	COOLING TOWER FAN MOTOR		DDH132060034	01 FIRST FLOOR	EQUIPMENT ROOM	COOLING TOWER #3
511	00103	COOLING TO			DD11132000034	OTTINST FEOR	Eggi WENT NOOM	COCENTO TOWER IIS
512 FN0160	6CT01	# 1	COOLING TOWER FAN	TECO		01 FIRST FLOOR	EQUIPMENT ROOM	COOLING TOWER #1
513 FN0160		# 2	COOLING TOWER FAN	TECO		01 FIRST FLOOR	EQUIPMENT ROOM	COOLING TOWER #2
514 FN0160		#3	COOLING TOWER FAN	TECO		01 FIRST FLOOR	EQUIPMENT ROOM	COOLING TOWER #3
515	00.03	FLOW VALV	1	1200		011110112001	Egon ment noom	COCENTO FOREIGNS
516 FV0160	SCT01	ILOW VALV	BASIN WATER LEVEL MAKE-UP VALVE	TOWER FLOW		01 FIRST FLOOR	EQUIPMENT ROOM	CENTER
517 FV0160			BASIN WATER LEVEL MAKE-UP VALVE	TOWER FLOW		01 FIRST FLOOR	EQUIPMENT ROOM	WEST
518 FV0160			BASIN WATER LEVEL MAKE-UP VALVE	TOWER FLOW		01 FIRST FLOOR	EQUIPMENT ROOM	EAST
519	00103	ISOLATION V		TOWERTEOW		OTTINST LOOK	EQUITIVE IVE INCOM	LAST
520 IV016C	CR01	CHWR	CHILLER # 1 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
521 IV016C		CDWR	CHILLER # 1 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
522 IV016C		CHWR	CHILLER # 2 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
523 IV016C		CDWR	CHILLER # 2 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
524 IV016C		CHWR	CHILLER # 3 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #3
525 IV016C		CDWR	CHILLER # 3 ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #3
526 IV016C		CHW	CHW PUMP # 1 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #1
320 100100	CNO7	CITVV	SUCTION			011113112001	EQUITIVE IVE INCOM	@ CITW FOWN #1
527 IV016C	CDU6	CHW	CHW PUMP # 1 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #1
327	CNOO	CITVV	DISCHARGE			011113112001	EQUITIVE IVE INCOM	@ CITW FOWN #1
528 IV016C	CPOO	CHW	CHW PUMP # 2 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #2
326 100100	CNUS	CITVV	SUCTION			01 FIRST FLOOR	EQUIFIVIENT NOOW	@ CITW FOINT #2
529 IV016C	CD10	CHW	CHW PUMP # 2 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #2
329 100160	CKIU	CHVV				OI FIRST FLOOR	EQUIPINENT ROOM	@ CHW POWP #2
F20 11/04/66	CD44	CLINA	DISCHARGE			04 FIRST FLOOR	FOLUDATENT DOOM	O CUMA DUBAD US
530 IV016C	CKII	CHW	CHW PUMP # 3 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #3
E24 11/04/00	CD43	CLINA	SUCTION CHARLES IT 2 ISOLATION MANYS			04 FIRST FLOOR	FOLUDATENT DOOM	O CUMA DUBAD US
531 IV016C	CR12	CHW	CHW PUMP # 3 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #3
500 0 104 511			DISCHARGE			04 51007 51 000	50.00.05.05.05.0	05111110 0555115511
532 IV016H	HXU1	HX	CHWR ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	CEILING BETWEEN
500 ·····			SUNUS 1501 AT 1011 VALVE			04 51007 51 5 5 5		HX & CH1
533 IV016H	HX02	HX	CHWS ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	CEILING BETWEEN
								HX & CH1
534 IV016H		HX	CDWR ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	CEILING ABOVE HX
535 IV016H		HX	CDWS ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CEILING ABOVE CH 1
536 IV016H		HX	CDWR ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CEILING ABOVE CH 2
537 IV016H	HX06	HX	CDWS ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CEILING ABOVE CH 3

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.	Notes	Description	Wallalacturer	Serial IVO.	Sub-location 1	Sub-location 2	Sub-location 5
538	IV016HX07	НХ	CDWR ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CEILING ABOVE CH 3
539	IV016HX08	HX	CDWS ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	@ CEILING ABOVE CH 2
540	11010111100		EAT EXCHANGERS			0211101120011	Eggii ilizivi ilooiii	e original visors on s
541	PF0160101		PLATE & FRAME - ACCULHERM	MUELLER	136788-5	01 FIRST FLOOR	-	-
542		РИМР МОТО						
543	PM0160101	# 1	CHILLED WATER PUMP MOTOR	US ELEC MOTR	X07X122R27 8F	01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #1
544	PM0160102	# 2	CHILLED WATER PUMP MOTOR	US ELEC MOTR	X07X122R22 8F	01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #2
545	PM0160103	#3	CHILLED WATER PUMP MOTOR	US ELEC MOTR	X07X122R22 8F	01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #3
546	PM0160104	# 1	CONDENSER WATER PUMP MOTOR	MARATHON	NONE	01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #1
547	PM0160105	# 2	CONDENSER WATER PUMP MOTOR	MARATHON	859101	01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #2
548	PM0160106	# 3	CONDENSER WATER PUMP MOTOR	MARATHON	13348009	01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #3
549		PNEUMATIC V	VALVES					
550	PV016CH01	# 1	CHILLER #1 PNEUMATIC VALVE - CHWR			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
551	PV016CH02	# 2	CHILLER #1 PNEUMATIC VALVE - CDWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
552	PV016CH03	#3	CHILLER #2 PNEUMATIC VALVE - CHWR			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
553	PV016CH04	# 4	CHILLER #2 PNEUMATIC VALVE - CDWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
554	PV016CH05	# 5	CHILLER #3 PNEUMATIC VALVE - CHWR			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #3
555	PV016CH06	# 6	CHILLER #3 PNEUMATIC VALVE - CDWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #3
556	PV016HX01	# 7	HX SYSTEM SELECT			01 FIRST FLOOR	EQUIPMENT ROOM	@ CEILING ABOVE HX
557	PV016HX02	#8	CH 2 BYPASS - CDWR TO TWR			01 FIRST FLOOR	EQUIPMENT ROOM	CEILING WEST OF CH 2
558	PV016HX03	#9	CH 2 BYPASS - CDWR TO TWR			01 FIRST FLOOR	EQUIPMENT ROOM	CEILING WEST OF CH 3
559	PV016HX04	# 10	HX SYSTEM SELECT - CHWR			01 FIRST FLOOR	EQUIPMENT ROOM	@ HX
560		WATER TREA						
561	WT016CR01	CDW	WATER TREATMENT FOR COOLING TOWER #1	CERAMIC		-	-	-
562	WT016CR02	CDW	WATER TREATMENT FOR COOLING TOWER #2	CERAMIC		-	-	-
563	WT016CR03	CDW	WATER TREATMENT FOR COOLING TOWER #3	CERAMIC		-	-	-
564	WT016CR04	CHILLED WAT	EWATER TREATMENT FOR CLOSED LOOP	CERAMIC		-	-	-
565								
566	<u>017</u>	1300 W	Washington State Parks					
567								
568		VARIABLE SPI	EED/FREQUENCY DRIVE CONTROLLERS					
569	VD017B101	AHU 1	VSD_FOR BLDG AHU #1 SUPPLY AIR FAN	ABB	B00577	B1 BASEMENT	-	-
570	VD017B102	AHU 1	VSD_FOR BLDG AHU #1 RETURN AIR FAN	ABB	116911	B1 BASEMENT	-	-
571								
572	<u>018</u>	1200 M	W Washington 1200 Mechanical B	Building				
573								
574	CU0400404	CHILLERS	TRANE BOTARY COREW	TDANE	1105405460	04 51007 51 000		
575	CH0180101	#1	TRANE-ROTARY SCREW	TRANE	U95A05469	01 FIRST FLOOR	-	-
576 577	CH0180102	# 2	TRANE-ROTARY-SCREW	TRANE	495A05468	01 FIRST FLOOR	-	-
	CH0180103	# 3 CHILLER PUM	TRANE-ROTARY- SCREW	TRANE	V94M05467	01 FIRST FLOOR	-	-
578 579	CP0180101	# 1	_	AURORA		O1 FIRST FLOOR		
580	CP0180101 CP0180102	# 1	CHILLED WATER PUMP CHILLED WATER PUMP	AURORA		01 FIRST FLOOR 01 FIRST FLOOR		
581	CP0180102 CP0180103	# 3	CHILLED WATER PUMP	AURORA		01 FIRST FLOOR		
582	CI-0100102	# 3 COOLING TO		AUNONA		OT LIVOL LEGOV	-	
583	CT0180101	# 1	COOLING TOWER #1 (CENTER)	CERAMIC		01 FIRST FLOOR	CENTER	_
584	CT0180101	# 2	COOLING TOWER #1 (CENTER) COOLING TOWER #2 (WEST)	CERAMIC		01 FIRST FLOOR	WEST	-
585	CT0180102	# 3	COOLING TOWER #2 (WEST) COOLING TOWER #3 (EAST)	CERAMIC		01 FIRST FLOOR	EAST	
586	5.0100103	CONDENSER	` '	CLIUMANC		31111311E0011	2.01	
300	1	COMPLIANT	i Oitii S		1			

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80101 80102 80103	Notes # 1 # 2	Description CONDENSED WATER PUMP	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
80101 80102 80103	#1	•	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
80102 80103		CONDENSED WATER DUMP			i i		
80102 80103		ICONIDENSED WATER DITMD					
80103	# 2		MARATHON		01 FIRST FLOOR	EQUIPMENT ROOM	-
		CONDENSED WATER PUMP	MARATHON		01 FIRST FLOOR	EQUIPMENT ROOM	-
	# 3	CONDENSED WATER PUMP			01 FIRST FLOOR	EQUIPMENT ROOM	-
	COOLING TO	WER FAN MOTORS					
8CT01		COOLING TOWER FAN MOTOR	RELIANCE MTR		RF ROOF	CENTER	-
	# 2	COOLING TOWER FAN MOTOR	US ELEC MOTR		RF ROOF	WEST	-
8CT03		COOLING TOWER FAN MOTOR	RELIANCE MTR		RF ROOF	EAST	-
							-
							-
			RELIANCE MTR	NO NUMBER	01 FIRST FLOOR	EAST	-
	FLOW VALVE						
3CT01							-
							-
3CT03		1	TOWER FLOW		01 FIRST FLOOR	EAST	-
						· ·	@ CHILLER #1
							@ CHILLER #1
							@ CHILLER #1
							@ CHILLER #2
							@ CHILLER #2
							@ CHILLER #2
							@ CHILLER #3
							@ CHILLER #3
							@ CHILLER #3
CR10	CHW	CHW PUMP # 1 ISOLATION VALVE - SUCTION			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #1
CR11	CHW	CHW PUMP # 1 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #1
CR12	CHW	CHW PUMP # 2 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #2
CR13	CHW	CHW PUMP # 2 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #2
CR14	CHW	CHW PUMP # 3 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #3
CR15	CHW	CHW PUMP # 3 ISOLATION VALVE -			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHW PUMP #3
HX01	НХ	HX SYSTEM SELECT ISOLATION VALVE			01 FIRST FLOOR	EQUIPMENT ROOM	BETWEEN CH1 & HX ON CHWS
HX02	нх			 	01 FIRST FLOOR	FOLIPMENT ROOM	@ HX
				 			@ HX
				+			@ HX
		, ,		+		· ·	@ HX
							@ HX
					51111311E0011	EQUITIVIENT NOOW	G 11V
			TRANTOR	P-40243-H	01 FIRST FLOOR	_	_
			110.000	. 4024311	521113112301		
			LINCGUARD	128504	01 FIRST FLOOR	FOLIPMENT ROOM	@ CHW PUMP #1
				12000.			@ CHW PUMP #2
							@ CHW PUMP #3
				+			@ CDW PUMP #1
							@CDW PUMP #2
800 300 300 300 300 300 300 300 300 300	CT01 CT02 CT03 CT02 CT03 CT01 CT02 CT03 CT01 CT02 CT03 CT01 CT02 CT03 CT01 CT02 CT03 CT03 CT01 CT02 CT03 CT03 CT01 CT02 CT03 CT03 CT03 CT04 CT04 CT05 CT04 CT05 CT06 CT07 CT07 CT07 CT07 CT07 CT07 CT07 CT07	TOTO	CT02	CTO1	TOTO	TOTOL	TOTO

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.	Notes	Description	ivianuiacturei	Serial No.	Sub-location 1	Sub-location 2	Sub-location 5
632	-	# 3	CONDENSER WATER PUMP MOTOR	MARATHON		01 FIRST FLOOR	EQUIPMENT ROOM	@ CDW PUMP #3
633	11010100100	PNEUMATIC V		WARATION		OT INSTITUTE.	EQUITIVIENT NOON	@ CDVV I OIVII #3
634	PV018CH01	#1	PNEUMATIC VALVE CH #1 CHWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
635		# 2	PNEUMATIC VALVE CH #1 CDWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #1
636	PV018CH03	#3	PNEUMATIC VALVE CH #2 CHWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
637	PV018CH04	# 4	PNEUMATIC VALVE CH #2 CDWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #2
638		# 5	PNEUMATIC VALVE CH #3 CHWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #3
639	PV018CH06	# 6	PNEUMATIC VALVE CH #3 CDWS			01 FIRST FLOOR	EQUIPMENT ROOM	@ CHILLER #3
640	PV018HX01	# 7	HX SYSTEM SELECT - CHWR			01 FIRST FLOOR	EQUIPMENT ROOM	@ CEILING ABOVE CH 1
641		#8	MASTER - HX CH 2 CDWS BYPASS TO HX			01 FIRST FLOOR	EQUIPMENT ROOM	@ HX
642	PV018HX03	# 9	SLAVE - HX CH 2 CDWS BYPASS TO HX			01 FIRST FLOOR	EQUIPMENT ROOM	@ HX
643	PV018HX04	# 10	MASTER - HX CH 3 CDWS BYPASS TO HX			01 FIRST FLOOR	EQUIPMENT ROOM	@ HX
644	PV018HX05	# 11	SLAVE - HX CH 3 CDWS BYPASS TO HX			01 FIRST FLOOR	EQUIPMENT ROOM	@ HX
645		VARIABLE SPE	ED/FREQUENCY DRIVE CONTROLLERS					
646	ACH550-BCR-015-		VFD TOWER FAN #1	ABB	2111500370	CHILLER ROOM		
647	ACH550-BCR-015-		VFD TOWER FAN #2	ABB	2111500383	CHILLER ROOM		
648	ACH550-BCR-015-	-4+B055	VFD TOWER FAN #3	ABB	2111500360	CHILLER ROOM		
649		WATER TREAT						
650	WT018CR01	CDW	WATER TREATMENT FOR COOLING TOWER #1			-	-	-
651	WT018CR02	CDW	WATER TREATMENT FOR COOLING TOWER #2				-	-
652	WT018CR03	CDW	WATER TREATMENT FOR COOLING TOWER #3			-	-	-
653	WT018CR04	CHILLED WATE	WATER TREATMENT FOR CLOSED LOOP			-	-	-
654								
655	<u>019</u>	1200 W V	Washington Corporation Commission	<u>n</u>				
656								
657		BUILDING FAN	<u>IS</u>					
658	VF019RF01	AHU #1	AHU 1 FAN, MOTOR & CONTROL	RELIANCE ELE	SF43468	RF ROOF	-	-
659								
660								
661								
662	022	1275 W V	Washington Attorney General					
663								
664		BUILDING FAN	NS					
665	VF0220101	# 1	IN LINE AXIAL VANE FAN, MOTOR & CONTROL	JOY	SF43468	-	-	-
666	VF0220102	# 2	IN LINE AXIAL VANE FAN, MOTOR & CONTROL	JOY	SF46044	-	-	-
667		VARIABLE SPE	ED/FREQUENCY DRIVE CONTROLLERS					
668	ACH550-BCR-072	A-4+B055	VFD A/H #1	ABB	2111500322	1ST FLOOR E. SIDE		
669	ACH550-BCR-097/	A-4+B055	VFD A/H #2	ABB	2111404181	1ST FLOOR W. SIDE		
670								
671	023	1101 W V	Washington Hall of Hame Museum					
672								
673		COOLING TOV	VERS					
674	CT0230101		COOLING TOWER	EVAPCO	936721-W	CLG TWR BLDG	-	-
675		CONDENSER F						
676	DP0230101	# 1	CONDENSER WATER PUMP	BELL & GOSS	1330645	CLG TWR BLDG	-	-
677	DP0230102	# 2	BUILDING CONDENSER WATER PUMP	CENTURY		CLG TWR BLDG	-	-
678			VER FAN MOTORS					
679	FM023CT01		COOLING TOWER FAN MOTOR			-	-	-
680		COOLING TOV						
681	FN023CT01		COOLING TOWER FAN			-	-	-
UU 1	1110230101	l	COOLING TOWERTAIN	1	_1	l	L	1

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	1							
	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.							
682		FLOW VALVE						
683	FV023CT01		BASIN WATER LEVEL MAKE-UP VALVE			-	-	-
684		ISOLATION V						
685	IV023CR01	# 1	BLDG PUMP #1 ISOLATION VALVE -			CLG TWR BLDG	@ BLDG PUMP #1	-
			SUCTION					
686	IV023CR02	# 1	BLDG PUMP #1 ISOLATION VALVE -			CLG TWR BLDG	@ BLDG PUMP #1	-
			DISCHARGE					
687	IV023CR03	# 2	BLDG PUMP #2 ISOLATION VALVE -			CLG TWR BLDG	@ BLDG PUMP #2	-
			SUCTION					
688	IV023CR04	# 2	BLDG PUMP #2 ISOLATION VALVE -			CLG TWR BLDG	@ BLDG PUMP #2	-
			DISCHARGE					
689	IV023CT01	CDWR	COOLING TOWER ISOLATION VALVE			CLG TWR BLDG	@ COOLING TOWER	WEST
			(TOWER IN)					
690	IV023CT02	CDWR	COOLING TOWER ISOLATION VALVE			CLG TWR BLDG	@ COOLING TOWER	EAST
			(TOWER IN)					
691	IV023CT03	CDWS	COOLING TOWER ISOLATION VALVE			CLG TWR BLDG	@ COOLING TOWER	-
			(TOWER OUT)					
692	IV023CT04	CDWS/R	CDW SUPPLY/RETURN HEADERS TIE VALVE			CLG TWR BLDG	@ COOLING TOWER	-
693	IV023CT05	CITY	CITY WATER TO SYSTEM - ROOT VALVE			CLG TWR BLDG	@ COOLING TOWER	NW SIDE @ GROUND
694		VARIABLE SP	EED/FREQUENCY DRIVE CONTROLLERS			ADD TO CONTRACT		
695	VD023CT01		VFD FOR COOLING TOWER					
696		WATER TREA						
697	WT023CT01	CDW	WATER TREATMENT FOR COOLING TOWER			CLG TWR BLDG	-	-
698								
699	027	1789 W	Jefferson Department of Econom	nic Security				
700			-					
701		CHILLERS						
702	CH027CR01	# 1	CENTRIFUGAL CHILLER	TRANE	LO9A00005	CHILLER ROOM	_	-
703	CH027CR02	# 2	CENTRIFUGAL CHILLER	TRANE	LO9A00004	CHILLER ROOM	-	-
704		CHILLER PUM	ļ					
705	CP027CR01	# 1	CHILLED WATER PUMP	PACO		CHILLER ROOM	-	-
706	CP027CR02	# 2	CHILLED WATER PUMP	PACO		CHILLER ROOM	-	-
707	CP027CR03	# 3	CHILLED WATER PUMP	PACO		CHILLER ROOM	-	-
708	CP027CR04	# 4	CHILLED WATER PUMP	PACO		CHILLER ROOM	-	-
709	CP027CR05	# 5	CHILLED WATER PUMP	PACO		CHILLER ROOM	-	-
710	CP027CR06	# 1	CHILLED WATER PUMP	PACO		CHILLER ROOM	-	-
711	CP027CR07	GLYCOL	CENTRIFUGAL PUMP -GLYCOL MAKE-UP			CHILLER ROOM	-	-
		INJECTION						
712		COOLING TO	WERS .					
713	CT0270101		COOLING TOWER	CERAMIC		-	-	-
714		CONDENSER						
715	DP027CR01	# 7	CONDENSER WATER PUMP	PEERLESS	8943328 C	CHILLER ROOM	-	-
716	DP027CR02	#8	CONDENSER WATER PUMP	PEERLESS	8943328 B	CHILLER ROOM	-	-
717	DP027CR09	# 9	CONDENSER WATER PUMP	PEERLESS	8943328 A	CHILLER ROOM	-	
		FAN MOTORS	<u></u>					
718			COOLING TOWER FAN MOTOR	SIEMENS		COOLING TOWER	-	-
718 719	FM027CT01	# 1				COOLING TOWER		
	FM027CT01 FM027CT02	#1	COOLING TOWER FAN MOTOR	SIEMENS		COOLING TOWER		
719		1		SIEMENS		RF ROOF	SOUTH EAST	-
719 720	FM027CT02	# 2	COOLING TOWER FAN MOTOR	SIEMENS			SOUTH EAST SOUTH EAST	-
719 720 721	FM027CT02 FM027RF01	# 2 SA-1	COOLING TOWER FAN MOTOR MOTOR FOR EAST AIR HANDLER SA FAN#1	SIEMENS		RF ROOF		-

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	Equipment No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
725		COOLING TOV	VER FANS					
726	FN027CT01	# 1	COOLING TOWER FAN	AMARILLO		COOLING TOWER	-	-
727	FN027CT02	# 2	COOLING TOWER FAN	AMARILLO		COOLING TOWER	-	-
728		FLOW VALVES						
729	FV027CT01		BASIN WATER LEVEL MAKE-UP VALVE			-	-	-
730								
731		ISOLATION VA	ALVES					
732	IV027CR01	CHWS	ISOLATION VALVE CH#1			CHILLER ROOM	CHILLER #1	-
733	IV027CR02	CHWR	ISOLATION VALVE CH#1			CHILLER ROOM	CHILLER #1	-
734	IV027CR03	CDWS	ISOLATION VALVE CH#1			CHILLER ROOM	CHILLER #1	-
735	IV027CR04	CDWR	ISOLATION VALVE CH#1			CHILLER ROOM	CHILLER #1	-
736	IV027CR05	CHWS	ISOLATION VALVE CH#2			CHILLER ROOM	CHILLER #2	-
737	IV027CR06	CHWR	ISOLATION VALVE CH#2			CHILLER ROOM	CHILLER #2	-
738	IV027CR07	CDWS	ISOLATION VALVE CH#2			CHILLER ROOM	CHILLER #2	-
739	IV027CR08	CDWR	ISOLATION VALVE CH#2			CHILLER ROOM	CHILLER #2	=
740	IV027CR09	CHW	CHW PUMP #1 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #1	-
			SUCTION					
741	IV027CR10	CHW	CHW PUMP #1 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #1	-
			DISCHARGE					
742	IV027CR11	CHW	CHW PUMP #2 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #2	-
			SUCTION					
743	IV027CR12	CHW	CHW PUMP #2 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #2	-
			DISCHARGE					
744	IV027CR13	CHW	CHW PUMP #3 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #3	-
			SUCTION					
745	IV027CR14	CHW	CHW PUMP #3 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #3	-
			DISCHARGE					
746	IV027CR15	CHW	CHW PUMP #4 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #4	-
			SUCTION					
747	IV027CR16	CHW	CHW PUMP #4 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #4	-
		_	DISCHARGE					
748	IV027CR17	CHW	CHW PUMP #5 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #5	-
			SUCTION					
749	IV027CR18	CHW	CHW PUMP #5 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #5	-
			DISCHARGE					
750	IV027CR19	CHW	CHW PUMP #6 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #6	=
754	11/0276522	CLDAY	SUCTION			CHILLED BOOM	O CUMA DUMAD "C	
751	IV027CR20	CHW	CHW PUMP #6 ISOLATION VALVE -			CHILLER ROOM	@ CHW PUMP #6	=
750	D (027CD24	CDIM	DISCHARGE			CHILLED BOOM	O COLM DUBAR UZ	
752	IV027CR21	CDW	CDW PUMP #7 ISOLATION VALVE -			CHILLER ROOM	@ CDW PUMP #7	-
753	IV027CR22	CDW	DISCHARGE			CHILLED BOOM	© CDW DUM D #0	
753	IVUZ/CKZZ	CDW	CDW PUMP #8 ISOLATION VALVE -			CHILLER ROOM	@ CDW PUMP #8	-
754	IV027CR23	CDW	DISCHARGE			CHILLED BOOM	© CDW BLIMB #0	
734	IVUZ/CKZ3	CDW	CDW PUMP #9 ISOLATION VALVE - DISCHARGE			CHILLER ROOM	@ CDW PUMP #9	-
755	IV027CR24	CITY WATER				CHILLER BOOM	© CH/M DLIMD #€	@ WEST WALL
133	1VU2/CR24	CITT WATER	CITY WATER ROOT VALVE TO CENTRAL PLANT			CHILLER ROOM	@ CHW PUMP #6	@ WEST WALL
756	IV027CR25	CITY WATER	GLYCOL SYSTEM H2O MAKE-UP VALVE			CHILLER ROOM	@ CHW PUMP #4	INJECTION POINT
757	IV027CR25	CDW	EAST COOLING TOWER ISOLATION VALVE			COOLING TOWER	EAST	INJECTION POINT
758	IV027CT01	CDW	WEST COOLING TOWER ISOLATION VALVE			COOLING TOWER	WEST	-
759	IV027CT02	CDW	EAST COOLING TOWER ISOLATION VALVE			COOLING TOWER	WEST WALL	-
760	1002/0103	BASIN LEVEL (COOLING TOWER	VVLJI VVALL	-
100	1	DASIN LEVEL	JONINOL	1	1		1	1

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	Equipment No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
761	LC027CT01		BASIN WATER LEVEL CONTROL AND TRANSMITTER			-	-	-
762		PUMP MOTOR						
763	PM027CR01	#1	CHILLED WATER PUMP MOTOR			CHILLER ROOM	@ CHW PUMP #1	_
764	PM027CR02	# 2	CHILLED WATER PUMP MOTOR			CHILLER ROOM	@ CHW PUMP #2	
765	PM027CR03	# 1	CHILLED WATER PUMP MOTOR			CHILLER ROOM	@ CHW PUMP #3	
766	PM027CR04	# 4	CHILLED WATER PUMP MOTOR			CHILLER ROOM	@ CHW PUMP #4	_
767	PM027CR05	# 5	CHILLED WATER PUMP MOTOR			CHILLER ROOM	@ CHW PUMP #5	-
768	PM027CR06	# 6	CHILLED WATER PUMP MOTOR			CHILLER ROOM	@ CHW PUMP #6	-
769	PM027CR07	GLYCOL	CENTRIFUGAL PUMP MOTOR-			CHILLER ROOM	@ GLYCOL PUMP	-
		INJECTION	GLYCOL MAKE-UP			C222.11.1100.11	g 32:332:3iiii	
770	PM027DP01	# 7	CONDENSER WATER PUMP MOTOR			CHILLER ROOM	@ CDW PUMP #7	-
771	PM027DP02	#8	CONDENSER WATER PUMP MOTOR			CHILLER ROOM	@ CDW PUMP #8	-
772	PM027DP03	# 9	CONDENSER WATER PUMP MOTOR			CHILLER ROOM	@ CDW PUMP #9	-
773		PNEUMATIC V						
774	PV027CH01	V3a	PNEUMATIC VALVE CH#1 CHWR			CHILLER ROOM	CHILLER #1	=
775	PV027CH02	V5	PNEUMATIC VALVE CH#1 CDWR			CHILLER ROOM	CHILLER #1	-
776	PV027CH03	V3b	PNEUMATIC VALVE CH#2 CHWR			CHILLER ROOM	CHILLER #2	-
777	PV027CH04	V5b	PNEUMATIC VALVE CH#2 CHWR			CHILLER ROOM	CHILLER #2	-
778	PV027CR01	V1	MODULATING CONTROL VALVE	AUTOMAX		CHILLER ROOM	CHW LINE S OF PUMP	-
			WITH CONTROLLER					
779	PV027CR02	V2	ICE BANK SELECTION VALVE	AUTOMAX		CHILLER ROOM	ICE BANK	NORTH OF CHILLERS
			(OPEN/CLOSED ONLY)				SPLY/RTRN LINE	
780	PV027CR03	V4	MODULATING CONTROL VALVE WITH	AUTOMAX		CHILLER ROOM	BLDG CHWR LINE	ABOVE BLDG
			CONTROLLER					CHWS PUMPS
781	PV027CT01	V6a	CDWR-PNEUMATIC VALVE			COOLING TOWER	EAST	-
782	PV027CT02	V6b	CDWR-PNEUMATIC VALVE			COOLING TOWER	WEST	-
783		REFRIGERANT						
784	RS027CR01		REFRIGERANT RECYCLE/RECOVERY SYSTEM	TRANE	L90K04271	CHILLER ROOM	-	-
785	RS027CR02	CH1	REFRIGERANT PRESSURE CONTROLLER	PREVAC		CHILLER ROOM	CHILLER #1	-
786	RS027CR03	CH2	REFRIGERANT PRESSURE CONTROLLER	PREVAC		CHILLER ROOM	CHILLER #2	-
787	SR027CT01	CDW	LIQUID/SOLID-SEPARATOR/PURGE SYSTEM	LAKOS	CLG TWR	COOLING TOWER	WEST WALL	-
					"BLOWDOWN"			
788			ED/FREQUENCY DRIVE CONTROLLERS					
789	SS027CT01	#1	SOFT START UNIT FOR CLG TWR FAN			COOLING TOWER	TWR FAN #1	-
790	SS027CT02	# 2	SOFT START UNIT FOR CLG TWR FAN			COOLING TOWER	TWR FAN #2	-
791	VD027CR04	# 4	VFD FOR CHILLED WATER PUMP # 4	ABB		CHILLER ROOM	@ CHW PUMP #4	-
792	VD027CR05	# 5	VFD FOR CHILLED WATER PUMP # 5	ABB		CHILLER ROOM	@ CHW PUMP #5	-
793	VD027RF01	SA-1	VFD FOR EAST AIR HANDLER SA FAN#1			RF ROOF	SOUTH EAST	-
794	VD027RF02	SA-2	VFD FOR EAST AIR HANDLER SA FAN#2			RF ROOF	SOUTH EAST	-
795	VD027RF03		VFD FOR WEST AIR HANDLER SA FAN#1			RF ROOF	NORTH WEST	-
796	VD027RF04		VFD FOR WEST AIR HANDLER SA FAN#2			RF ROOF	NORTH WEST	-
797	VE0270501	BUILDING FAN		107		DE DOOF	COLUTIVEACT	
798	VF027RF01	SA-1	EAST AIR HANDLER SA FAN#1	JOY		RF ROOF	SOUTH EAST	-
799	VF027RF02	SA-2	EAST AIR HANDLER SA FAN#2	JOY		RF ROOF	SOUTH EAST	-
800	VF027RF03		WEST AIR HANDLER SA FAN#1	JOY		RF ROOF	NORTH WEST	-
801	VF027RF04	14/ATED TD	WEST AIR HANDLER SA FAN#2	JOY		RF ROOF	NORTH WEST	-
802	WT0276004	WATER TREAT				COOLING TOWER		
803	WT027CR01	CDW CLIVEOU	WATER TREATMENT FOR COOLING TOWERS			COOLING TOWER	-	-
804	WT027CR02	CHW/GLYCOL	WATER TREATMENT FOR CLOSED LOOP (WITH GLYCOL)			COOLING TOWER	-	-
805	WT027CRBM		CHEMICAL SYSTEM BLEED-OFF METER		46299988	COOLING TOWER	-	-

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	Equipment No.	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
806	WT027CRIM		CITY WATER INJECTION METER		46329864	COOLING TOWER	-	-
807	WT027SHIM		CHW SYSTEM H2O INJECTION METER		46299981	COOLING TOWER	-	-
808								
809	<u>028</u>	1645 W	Jefferson Corrections					
810								
811		CHILLER PUM						
812	CP028B101	OLB	HVAC CHILLER BOOSTER PUMP	BELL & GOSS	665765	B1 BASEMENT	EQUIPMENT ROOM	-
813								
814								
815		ISOLATION VA						
816	IV028B101	CHW #1	CHW PUMP ISOLATION VALVE-SUCTION			B1 BASEMENT	EQUIPMENT ROOM	@ CHW PUMP
817	IV028B102	CHW #2	CHW PUMP ISOLATION VALVE-DISCHARGE			B1 BASEMENT	EQUIPMENT ROOM	@ CHW PUMP
818	DN 4020D4 04	PUMP MOTO		LIC ELEC MOTO	4500031003	D4 DACEMENT		
819 820	PM028B101	OLB	HVAC CHILLER BOOSTER PUMP MOTOR	US ELEC MOTR	45BC03JPP3	B1 BASEMENT	-	
820	VD028B101	VAKIABLE SPE	ED/FREQUENCY DRIVE	ABB	2040700299	B1 BASEMENT		
			VARIABLE FREQUENCY DRIVE - BOOSTER PUMP				-	-
822	VD028RF01	RA	VARIABLE FREQUENCY DRIVE - ROOF RETURN FAN	ABB	2040700307	PENTHOUSE	-	-
823	VD028RF02	SA	VARIABLE FREQUENCY DRIVE - ROOF SUPPLY FAN	ABB	2040601423	PENTHOUSE	-	-
824		BUILDING FAI						
825	VF028RF01	RA	IN LINE AXIAL VANE FAN - RA			PENTHOUSE	-	-
826	VF028RF02	SA	IN LINE AXIAL VANE FAN - SA			RF ROOF	-	-
827								
828	<u>029</u>	1601 W	Jefferson Corrections					
829								
830		CHILLER PUM						
831	CP029B101	DOC	HVAC CHILLER BOOSTER PUMP	BELL & GOSS	638825 JK	B1 BASEMENT	-	-
832		ISOLATION VA						
833	IV029B101	CHW #1	CHW PUMP ISOLATION VALVE-SUCTION			B1 BASEMENT	EQUIPMENT ROOM	@CHW PUMP #1
834	IV029B102	CHW #2	CHW PUMP ISOLATION VALVE-DISCHARGE			B1 BASEMENT	EQUIPMENT ROOM	@CHW PUMP #1
835	DN 4020D4 04	PUMP MOTO		LIC ELEC MOTO	14/07/4/4 47/0002	D4 D4CEA4EAIT		
836	PM029B101	DOC	HVAC CHILLER BOOSTER PUMP MOTOR	US ELEC MOTR	W07W147R082	B1 BASEMENT	=	
837	VD020B101	VARIABLE SPE	ED/FREQUENCY DRIVE CONTROLLERS	ADD	2040700202	D1 DACEMENT		
838	VD029B101		VARIABLE FREQUENCY DRIVE FOR BOOSTER PUMP	ABB	2040700302	B1 BASEMENT	-	-
839	VD029RF01	# 1 SA	VARIABLE FREQUENCY DRIVE FOR A/H 1 SUPPLY FAN	ABB	2040700305	RF ROOF	-	-
840	VD029RF02	# 2 SA	VARIABLE FREQUENCY DRIVE FOR A/H 2 SUPPLY FAN	ABB	2040700303	RF ROOF	-	-
841	VD029RF03	# 1 RA	VARIABLE FREQUENCY DRIVE FOR A/H 1 RETURN FAN	ABB	2050201054	RF ROOF	-	-
842	VD029RF04	# 2 RA	VARIABLE FREQUENCY DRIVE FOR	ABB	2050201052	RF ROOF	-	-
843			A/H 2 RETURN FAN					
844	030	1601M V	⊔ V Jefferson 1601 Mechanical Build	ling				
845								
846		CHILLERS	<u>I</u>					
847	CH0300101	NE #1	ROTARY CHILLER UNIT	TRANE	U95A05478	01 FIRST FLOOR	-	_
077	C110300101	I TE TE	NOTART CHILLER ORTH	INCHE	033703470	OT LINOT LEGON		

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	F	Natas	December 1	Non-use et une u	Carial Na	Cub Inseting 1	Cub leastion 2	Cub leastion 2
	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
848	No. CH0300102	NW #2	ROTARY CHILLER UNIT	TRANE	U95A05477	01 FIRST FLOOR		
849	CH0300102	SO #3	ROTARY CHILLER UNIT	TRANE	U95A05477	01 FIRST FLOOR		
850	C110300103	CHILLER PUM		INAINE	093A03470	OTTIKSTILOOK	<u>-</u>	
851	CP0300101	#1	CHILLED WATER PUMP	EMERSON	W09W209R87F	01 FIRST FLOOR	_	
852	CP0300101	# 2	CHILLED WATER PUMP	EMERSON	W07W147R082F	01 FIRST FLOOR		
853	CP0300102	#3	CHILLED WATER PUMP	EMERSON	A441AW06W104	01 FIRST FLOOR		
854	CF0300103	COOLING TO		LIVILISON	A441AVV00VV104	OTTIKSTILOOK		
855	CT0300101	# 1	COOLING TOWER # 1	CERAMIC	N/A	01 FIRST FLOOR	CENTER	
856	CT0300101	# 2	COOLING TOWER # 2	CERAMIC	N/A	01 FIRST FLOOR	NORTH	
857	CT0300102	#3	COOLING TOWER # 3	CERAMIC	N/A	01 FIRST FLOOR	SOUTH	
858	C10300103	CONDENSER		CERAINIC	IN/A	OT TIKST TEOOK	300111	
859	DP0300101	#1	CONDENSER WATER PUMP	EMERSON	W07W14R082F	01 FIRST FLOOR		
860	DP0300101	# 2	CONDENSER WATER PUMP	EMERSON	W09W209R187F	01 FIRST FLOOR	-	
861	DP0300102	#3	CONDENSER WATER PUMP	EMERSON	W09W209R187F	01 FIRST FLOOR	-	-
862	DE0200102		WER FAN MOTORS	LIVILIAOIN	AA02AA702UT0\L	OT LIVEL LEGAL		-
863	FM030CT01	# 1	COOLING TOWER FAN MOTOR	UNICLOSED	45C03			
864	FM030CT01	# 1	COOLING TOWER FAN MOTOR COOLING TOWER FAN MOTOR		43003	<u> </u>		-
865	FM030CT02 FM030CT03	# 3		US ELEC MOTR SPARTAN	CIED	-		-
866	I IVIUSUCTUS	# 3	COOLING TOWER FAN MOTOR	SPANIAN	CJFP	-	-	-
867	ENG20CT01	# 1						
	FN030CT01		COOLING TOWER FAN		0200206 740	-	-	
868 869	FN030CT02	# 2	COOLING TOWER FAN		9200386-740	-	-	-
870	FN030CT03	# 3	COOLING TOWER FAN			-	-	-
871	FV030CT01	FLOW VALVE	BASIN WATER LEVEL MAKE-UP VALVE	TOWER FLOW		01 FIRST FLOOR	CENTER	
_								-
872	FV030CT02		BASIN WATER LEVEL MAKE-UP VALVE	TOWER FLOW		01 FIRST FLOOR	NORTH	-
873	FV030CT03	ICOLATION V	BASIN WATER LEVEL MAKE-UP VALVE	TOWER FLOW		01 FIRST FLOOR	SOUTH	
874 875	IV/020CD04	ISOLATION V				04 FIRST FLOOR	© CHILLED #4	
876	IV030CR01 IV030CR02	CHWS	CH #1 ISOLATION VALVE CH #1 ISOLATION VALVE			01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #1 @ CHILLER #1	-
877		CHWS #3	CH #1 ISOLATION VALVE CH #1 ISOLATION VALVE				_	-
878	IV030CR03					01 FIRST FLOOR	@ CHILLER #1	
879	IV030CR04	CHWS #4	CH #1 ISOLATION VALVE			01 FIRST FLOOR	@ CHILLER #1	-
880	IV030CR05 IV030CR06	CHWS	CH #2 ISOLATION VALVE			01 FIRST FLOOR	@ CHILLER #2	
881	IV030CR06	CHWR	CH #2 ISOLATION VALVE			01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2	-
			CH #2 ISOLATION VALVE				@ CHILLER #2	-
882	IV030CR08 IV030CR09	CDWR	CH #2 ISOLATION VALVE			01 FIRST FLOOR	@ CHILLER #2	
883 884		CHWS	CH #3 ISOLATION VALVE			01 FIRST FLOOR	@ CHILLER #3	-
885	IV030CR10 IV030CR11	CHWR	CH #3 ISOLATION VALVE CH #3 ISOLATION VALVE			01 FIRST FLOOR	@ CHILLER #3	-
886	IV030CR11	CDWS				01 FIRST FLOOR	@ CHILLER #3	-
887			CHW PLIMP #1 ISOLATION VALVE			01 FIRST FLOOR	@ CHILLER #3	-
007	IV030CR13	CHW	CHW PUMP #1 ISOLATION VALVE-			01 FIRST FLOOR	@ CHW PUMP #1	-
000	IV/020CB14	CLINA	SUCTION			04 FIRST FLOOR	© CLIMA DUMAD #4	
888	IV030CR14	CHW	CHW PUMP #1 ISOLATION VALVE-			01 FIRST FLOOR	@ CHW PUMP #1	-
000	I) (020CB1E	CDW	DISCHARGE			01 FIRST FLOOR	© CDM DUMD #4	
889	IV030CR15	CDW	CDW PUMP #1 ISOLATION VALVE-			01 FIRST FLOOR	@ CDW PUMP #1	-
000	11/0200515	CDIM	SUCTION COLOR OF THE SUCTION AND A SUCTION ASSOCIATION			04 FIRST FLOOR	0.604/2:::22:::4	
890	IV030CR16	CDW	CDW PUMP #1 ISOLATION VALVE-			01 FIRST FLOOR	@ CDW PUMP #1	-
		1	DISCHARGE					
891	IV030CR17	CHW	CHW PUMP #2 ISOLATION VALVE-			01 FIRST FLOOR	@ CHW PUMP #2	-
			SUCTION					
892	IV030CR18	CHW	CHW PUMP #2 ISOLATION VALVE-			01 FIRST FLOOR	@ CHW PUMP #2	-
		1	DISCHARGE	1				

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.	Notes	Description	ivianulacturei	Serial No.	Sub-location 1	Sub-location 2	Sub-location 5
893	IV030CR19	CDW	CDW PUMP #2 ISOLATION VALVE-			01 FIRST FLOOR	@ CDW PUMP #2	-
-			SUCTION				C 52 11 1 2 11 11 11 11 11 11 11 11 11 11 1	
894	IV030CR20	CDW	CDW PUMP #2 ISOLATION VALVE-			01 FIRST FLOOR	@ CDW PUMP #2	-
•••			DISCHARGE				C 52 11 1 2 11 11 11 11 11 11 11 11 11 11 1	
895	IV030CR21	CHW	CHW PUMP #3 ISOLATION VALVE-			01 FIRST FLOOR	@ CHW PUMP #3	_
-			SUCTION			0111101120011	g 5 1.5 #3	
896	IV030CR22	CHW	CHW PUMP #3 ISOLATION VALVE-			01 FIRST FLOOR	@ CHW PUMP #3	_
			DISCHARGE				C 5	
897	IV030CR23	CDW	CDW PUMP #3 ISOLATION VALVE-			01 FIRST FLOOR	@ CDW PUMP #3	-
			SUCTION				C 52 11 1 2 11 11 11 11 11 11 11 11 11 11 1	
898	IV030CR24	CDW	CDW PUMP #3 ISOLATION VALVE-			01 FIRST FLOOR	@ CDW PUMP #3	-
			DISCHARGE				C 52 11 1 2 11 11 11 11 11 11 11 11 11 11 1	
899	IV030HX01	НХ	HX ISOLATION VALVE-			01 FIRST FLOOR	@ HEAT EXCHANGER	-
			CHILLED WATER IN				C 112111 2110111 1110 211	
900	IV030HX02	НХ	HX ISOLATION VALVE-			01 FIRST FLOOR	@ HEAT EXCHANGER	-
			CHILLED WATER OUT				G HER EXCLUSION	
901	IV030HX03	НХ	HX ISOLATION VALVE-		 	01 FIRST FLOOR	@ HEAT EXCHANGER	-
551			CONDENSER WATER IN			22	G TEXT EXCUMINATION	
902	IV030HX04	НХ	HX ISOLATION VALVE-			01 FIRST FLOOR	@ HEAT EXCHANGER	_
302	1403011104		CONDENSER WATER OUT			of this treen	e next exeminoen	
903		FI AT PI ATF I	HEAT EXCHANGERS					
904	PF0300101	HX	PLATE AND FRAME HEAT EXCHANGER	TRANTOR	SC6506	01 FIRST FLOOR	_	_
905	110300101	PUMP MOTO		HUMFICH	500500	OTTINST TEOCK		
906	PM0300101	#1	CHILLED WATER PUMP MOTOR	US ELEC MOTR		01 FIRST FLOOR	_	_
907		# 2	CHILLED WATER PUMP MOTOR	US ELEC MOTR		01 FIRST FLOOR	_	_
908	PM0300103	#3	CHILLED WATER PUMP MOTOR	US ELEC MOTR		01 FIRST FLOOR	_	_
909		#1	CONDENSOR PUMP MOTOR	US ELEC MOTR		01 FIRST FLOOR	_	_
910	PM0300105	# 2	CONDENSOR PUMP	US ELEC MOTR		01 FIRST FLOOR	_	_
911	PM0300106	#3	CONDENSER WATER PUMP MOTOR	US ELEC MOTR		01 FIRST FLOOR	_	_
912	11110500200	PNEUMATIC		OO EEEO MOTA		or mor recent		
913	PV030CH01	#1	PNEUMATIC VALVE - CH #1 - CHWR			01 FIRST FLOOR	@ CHILLER #1	-
914		# 2	PNEUMATIC VALVE - CDWS & CH			01 FIRST FLOOR	@ CHILLER #1	-
		–	BYPASS TO HX				C 5	
915	PV030CH03	#3	PNEUMATIC VALVE - CH #2 - CHWR			01 FIRST FLOOR	@ CHILLER #2	_
916	PV030CH04	# 4	PNEUMATIC VALVE - CH #2 - CDWS			01 FIRST FLOOR	@ CHILLER #2	-
917		# 5	PNEUMATIC VALVE - CH #3 - CHWS		 	01 FIRST FLOOR	@ CHILLER #3	-
918	PV030CH06	#6	PNEUMATIC VALVE - CH #3 - CDWS			01 FIRST FLOOR	@ CHILLER #3	-
919					- 		@ CHILLER #2	-
	PV030CH07	# 7	IPNEUWATIC VALVE-CDWK TIE			IO1 FIRST FLOOR	I(ω CΠILLEN #Z	
	PV030CH07	# 7	PNEUMATIC VALVE-CDWR TIE BETWEEN CH #2/HX/CH #1			01 FIRST FLOOR	@ CHILLER #2	
920			BETWEEN CH #2/HX/CH #1					-
920 921	PV030CH08	#8	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX			01 FIRST FLOOR	@ CHILLER #2	-
921	PV030CH08 PV030HX01	#8	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS			01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	- - -
	PV030CH08	# 8 # 9 # 10	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS			01 FIRST FLOOR	@ CHILLER #2	-
921 922	PV030CH08 PV030HX01 PV030HX02	# 8 # 9 # 10	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS PEED/FREQUENCY DRIVE CONTROLLERS	ABB		01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	-
921 922 923	PV030CH08 PV030HX01 PV030HX02 VD030CR01	# 8 # 9 # 10 VARIABLE SF # 1	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS PED/FREQUENCY DRIVE CONTROLLERS VSD FOR COOLING TOWER FAN #1			01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	-
921 922 923 924	PV030CH08 PV030HX01 PV030HX02 VD030CR01	# 8 # 9 # 10 VARIABLE SF # 1 # 2	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS PEED/FREQUENCY DRIVE CONTROLLERS VSD FOR COOLING TOWER FAN #1 VSD FOR COOLING TOWER FAN #2	ABB ABB ABB	2094801625	01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	-
921 922 923 924 925 926	PV030CH08 PV030HX01 PV030HX02 VD030CR01 VD030CR02	# 8 # 9 # 10 VARIABLE SF # 1 # 2 # 3	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS PEED/FREQUENCY DRIVE CONTROLLERS VSD FOR COOLING TOWER FAN #1 VSD FOR COOLING TOWER FAN #2 VSD FOR COOLING TOWER FAN #3	ABB	2094801625	01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	-
921 922 923 924 925 926 927	PV030CH08 PV030HX01 PV030HX02 VD030CR01 VD030CR02 ACH550-VCR-023	# 8 # 9 # 10 VARIABLE SF # 1 # 2 # 3	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS PEED/FREQUENCY DRIVE CONTROLLERS VSD FOR COOLING TOWER FAN #1 VSD FOR COOLING TOWER FAN #2 VSD FOR COOLING TOWER FAN #3 ATMENT	ABB	2094801625	01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	-
921 922 923 924 925 926 927 928	PV030CH08 PV030HX01 PV030HX02 VD030CR01 VD030CR02 ACH550-VCR-023	# 8 # 9 # 10 VARIABLE SF # 1 # 2 # 3 WATER TREA	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS PEED/FREQUENCY DRIVE CONTROLLERS VSD FOR COOLING TOWER FAN #1 VSD FOR COOLING TOWER FAN #2 VSD FOR COOLING TOWER FAN #3 ATMENT WATER TREATMENT FOR COOLING TOWER #1	ABB	2094801625	01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	-
921 922 923 924 925 926 927 928 929	PV030CH08 PV030HX01 PV030HX02 VD030CR01 VD030CR02 ACH550-VCR-023 WT030CR01 WT030CR02	# 8 # 9 # 10 VARIABLE SI # 1 # 2 # 3 WATER TREA CDW CDW	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS PEED/FREQUENCY DRIVE CONTROLLERS VSD FOR COOLING TOWER FAN #1 VSD FOR COOLING TOWER FAN #2 VSD FOR COOLING TOWER FAN #3 ATMENT WATER TREATMENT FOR COOLING TOWER #1 WATER TREATMENT FOR COOLING TOWER #2	ABB	2094801625	01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	-
921 922 923 924 925 926 927 928	PV030CH08 PV030HX01 PV030HX02 VD030CR01 VD030CR02 ACH550-VCR-023	# 8 # 9 # 10 VARIABLE SF # 1 # 2 # 3 WATER TREA CDW CDW CDW	BETWEEN CH #2/HX/CH #1 PNEUMATIC VALVE-CDWS TO HX PNEUMATIC VALVE-HX CHWS PNEUMATIC VALVE-HX CDWS PEED/FREQUENCY DRIVE CONTROLLERS VSD FOR COOLING TOWER FAN #1 VSD FOR COOLING TOWER FAN #2 VSD FOR COOLING TOWER FAN #3 ATMENT WATER TREATMENT FOR COOLING TOWER #1	ABB	2094801625	01 FIRST FLOOR 01 FIRST FLOOR	@ CHILLER #2 @ HEAT EXCHANGER	-

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.	Notes	Description	Manaracturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 5
933	NO.							
934	031	1525 W	lofforcan Danartmant of Educatio					
	<u>031</u>	1232 M	lefferson Department of Education	<u>on</u>				
935								
936		CHILLER PUM						
937 938	CP031B101	ED ATION V	HVAC CHILLER BOOSTER PUMP	BELL & GOSS		B1 BASEMENT	-	-
938	IV031B101	CHW #1	CHW PUMP ISOLATION VALVE-SUCTION			B1 BASEMENT	EQUIPMENT ROOM	@ CHW PUMP
940	IV031B101	CHW #1	CHW PUMP ISOLATION VALVE-SUCTION CHW PUMP ISOLATION VALVE-DISCHARGE			B1 BASEMENT	EQUIPMENT ROOM	@ CHW PUMP
941	1VU31B1U2	PUMP MOTOI				BI BASEIVIEINI	EQUIPIVIENT ROOM	@ CHW POWP
942	PM031B101	ED ED	HVAC CHILLER BOOSTER PUMP MOTOR	US ELEC MOTR	W09W209R187F	B1 BASEMENT		
943	FIVIOSIBIOI		ED/FREQUENCY DRIVE CONTROLLERS	03 LLLC WOTK	W03W203K187T	BI BASLIVILINI		
944	VD031B101	VARIABLE SI E	VARIABLE FREQUENCY DRIVE	ABB	2040700311	B1 BASEMENT	-	-
0.1.1			FOR HVAC BOOSTER PUMP	7,00	20.0700311	51 5/ (52.112.11)		
945	VD031RF01		VARIABLE FREQUENCY DRIVE	ABB	2040700434	RF ROOF	_	-
			FOR A/H 1 SUPPLY FAN					
946	VD031RF02		VARIABLE FREQUENCY DRIVE	ABB	2050201056	RF ROOF	-	-
			FOR A/H 1 RETURN FAN					
947	VD031RF03		VARIABLE FREQUENCY DRIVE	ABB	2040700439	RF ROOF	-	-
			FOR A/H 2 SUPPLY FAN					
948	VD031RF04		VARIABLE FREQUENCY DRIVE	ABB	2050201055	RF ROOF	-	-
			FOR A/H 2 RETURN FAN					
949								
950	038	1510 W	Adams DataCenter					
951		-	ED/FREQUENCY DRIVE CONTROLLERS					
952	ACH550-VCR-072		VARIABLE FREQUENCY DRIVE	ABB	213904632			
			FOR A/H 1 SUPPLY FAN					
953			,					
954	021	1E C 1E+k	Avenue Attorney General	<u>'</u>	1			
	021	13 3 130	Attorney deneral					
955								
956 957	CT024 DE04	COOLING TOV	PREFABRICATED METAL COOLING TOWER	DALTIMODE AL	86-1560	05 LEVEL 5	FOLUDATAIT CACE	SOUTH
957	CT021P501	#1		BALTIMORE AL			EQUIPMENT CAGE	
958	CT021P502	# 2 CONDENSER F	PREFABRICATED METAL COOLING TOWER	BALTIMORE AI	86156	05 LEVEL 5	EQUIPMENT CAGE	NORTH
960	DP021CT01	# 1	COOLING TOWERS FILTER PUMP			05 LEVEL 5	EQUIPMENT CAGE	BETWEEN CT1 & CT2
961	DP021C101 DP021P501	#1	CONDENSER WATER PUMP			05 LEVEL 5	EQUIPMENT CAGE	EAST EAST
962	DP021P502	# 2	CONDENSER WATER PUMP	GE		05 LEVEL 5	EQUIPMENT CAGE	WEST
963	521. 502	FLOW VALVES				10 22.122.0	EQUI. MEINT ONGE	
964	FV040CT01		BASIN WATER LEVEL MAKE-UP VALVE			05 LEVEL 5	EQUIPMENT CAGE	SOUTH
965	FV040CT02		BASIN WATER LEVEL MAKE-UP VALVE			05 LEVEL 5	EQUIPMENT CAGE	NORTH
966		ISOLATION VA						
967	IV021CT01	# 5	COOLING TOWER MAKE-UP WATER			05 LEVEL 5	EQUIPMENT CAGE	@ CLG TWR #1
			ISOLATION VALVE					
968	IV021CT02	# 6	COOLING TOWER MAKE-UP WATER			05 LEVEL 5	EQUIPMENT CAGE	@ CLG TWR #2
			ISOLATION VALVE					
969	IV021CT03	# 7	ROOT VALVE-CITY WATER MAKE-UP			05 LEVEL 5	EQUIPMENT CAGE	@ CLG TWR #1
			BOTH TWRS					
970	IV021P501	# 1	BLDG PUMP # 1 ISOLATION VALVE -			05 LEVEL 5	EQUIPMENT CAGE	@ CDW PUMP #1
			SUCTION					
971	IV021P502	# 2	BLDG PUMP # 1 ISOLATION VALVE -			05 LEVEL 5	EQUIPMENT CAGE	@ CDW PUMP #1
			DISCHARGE					

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				<u>-</u>				
	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.	110100						
972	IV021P503	#3	BLDG PUMP # 2 ISOLATION VALVE -			05 LEVEL 5	EQUIPMENT CAGE	@ CDW PUMP #2
			SUCTION					
973	IV021P504	# 4	BLDG PUMP # 2 ISOLATION VALVE -			05 LEVEL 5	EQUIPMENT CAGE	@ CDW PUMP #2
			DISCHARGE					
974								
975								
976		WATER TREAT	<u>IMENT</u>					
977	WT021CT01	CDW	WATER TREATMENT FOR SOUTH COOLING TOWER			05 LEVEL 5	EQUIPMENT CAGE	SOUTH
978	WT021CT02	CDW	WATER TREATMENT FOR NORTH COOLING TOWER			05 LEVEL 5	EQUIPMENT CAGE	NORTH
979	WT021CT03	CDW	WATER TREATMENT FOR BUILDING LOOP			05 LEVEL 5	EQUIPMENT CAGE	NORTH
980		0511	With the time to the delibrate lead.			03 22.722.3	Eggii iliziri di toz	
981	052	416 W C	ongress Tucson Office Building (Wes	t)	1			
982								
983		AIR DRYER						
984	AD052CR01		AIR DRYER	HANKISON COR	0302A-1-0479-750N	CR CHILLER ROOM	-	-
985		FAN MOTORS						
986	FM052AH01	AHU #1	SUPPLY AIR FAN MOTOR AHU #1			-	-	=
987	FM052AH02	AHU #2	SUPPLY AIR FAN MOTOR AHU #2			-	-	-
988		ISOLATION VA	ALVES					
989	IV052AH01	AHU #1	ISOLATION VALVES FOR AHU #1			-	-	-
990	IV052AH02	AHU #2	ISOLATION VALVES FOR AHU #2			-	-	-
991		COMPRESSOR						
992	PC052LE01		PNEUMATIC COMPRESSOR	CHAMPION PNE	BV 38526SR	LE LOWER LEVEL EAST	EQUIPMENT ROOM	-
993		PNEUMATIC \						
994	PV052AH01	AHU #1	PNEUMATIC CONTROL VALVES			-	-	-
			HOT & COLD DECK AHU #1					
995	PV052AH02	AHU #2	PNEUMATIC CONTROL VALVES			-	-	-
			HOT & COLD DECK AHU #2					
996		VARIABLE SPE	ED/FREQUENCY DRIVE CONTROLLERS					
997	VD052LE01		VFD FOR AHU #1 25 HP	ABB	176240	LE LOWER LEVEL EAST	EQUIPMENT ROOM	-
998		BUILDING FAI						
999	VF052AH01	AHU #1	SUPPLY AIR FAN FOR AHU #1			-	-	-
1000	VF052AH02	AHU #2	SUPPLY AIR FAN FOR AHU #2			-	-	-
1001				_			_	
1002	<u>053</u>	402 W C	ongress Tucson Office Building (Sout	<u>:h)</u>	<u> </u>			
1003 1004	1	AID DOVED		-	+			+
1004	AD053CR01	AIR DRYER	AIR DRYER	HANKISON	0302A-1-0479-750N	CR CHILLER ROOM		<u> </u>
1005	VD022CU01	BOILERS	AIN PILLER	HANNIOUN	0302A-1-04/3-/30N	CR CHILLER ROOM	-	-
1007	BL053CR01	DOILLING	BOILER	PEERLESS	211-3588	BR BOILER ROOM		
1007	DEGGGCROI	CHILLERS	DOILLIN	LEMELOS	211 3300	DI DOILLI NOON		
	CH053CR01	# 1	RECIPROCATING CHILLER	BOHN	JEH0034	CR CHILLER ROOM		-
1010	CH053CR02	# 2	RECIPROCATING CHILLER	BOHN	JEH0035	CR CHILLER ROOM	_	-
1011	2.100001102	CHILLER PUM						
	CP053CR01	# 1	CHILLED WATER PUMP	AURORA	#78-03860-1 SIZE 2.5X9	CR CHILLER ROOM	_	-
1013	2. 20002	COOLING TOV	ll control of the con		2 00000 1 0.22 2.0%			
			COOLING TOWER	CERAMIC	UNKNOWN	CT COOLING TOWER	1_	_
	ICT053OS01	I# 1						
1014	CT053OS01 CT053OS02	# 1	COOLING TOWER COOLING TOWER	CERAMIC	UNKNOWN	CT COOLING TOWER	-	-

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	F		D	Na ft	C	Cult Innerticus 4	Cult In antinu 2	Cub Incoting 2
	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
4047	No.	ш 1	CONDENICOD WATER RUMAR	ALIDODA	200 70074	OC OLITCIDE		
	DP053OS01 DP053OS02	# 1 # 2	CONDENSOR WATER PUMP CONDENSOR WATER PUMP	AURORA	3R8-70874 3R8-70874	OS OUTSIDE	-	-
1019	DP053US02	FAN MOTORS		AURORA	388-70874	OS OUTSIDE	-	-
1019	ENACES ALICA	AHU #1	SUPPLY AIR FAN MOTOR AHU #1					
	FM053AH01					-	-	-
1021	FM053AH02	AHU #2	SUPPLY AIR FAN MOTOR AHU #2			-	-	-
1022		ISOLATION VA						
1023	IV053AH01	AHU #1	ISOLATION VALVES FOR AHU #1			-	-	-
1024	IV053AH02	AHU #2	ISOLATION VALVES FOR AHU #2			-	-	-
1025								
1026		COMPRESSOR						
1027	PC053CR01		PNEUMATIC COMPRESSOR	QUINCY	6197300	CR CHILLER ROOM	-	-
1028		PUMP MOTOR	<u>RS</u>					
	PM053CR01	# 1	CHILLED WATER PUMP MOTOR	CENTURY		CR CHILLER ROOM	@ CHW PUMP #1	-
		# 1	CHILLED WATER PUMP MOTOR	CENTURY		CR CHILLER ROOM	@ CHW PUMP #2	-
1031	PM053OS01	#1	CONDENSOR WATER PUMP MOTOR	US ELEC MOTR		OS OUTSIDE	-	-
1032	PM053OS02	# 2	CONDENSOR WATER PUMP MOTOR	US ELEC MOTR		OS OUTSIDE	-	-
1033		PNEUMATIC V	/ALVES					
1034	PV053AH01	AHU #1	PNEUMATIC CONTROL VALVES			-	-	-
			HOT & COLD DECK AHU #1					
1035	PV053AH02	AHU #2	PNEUMATIC CONTROL VALVES			-	-	-
			HOT & COLD DECK AHU #2					
1036	PV053CR01		PNEUMATIC VALVE	JOHNSON CONT	009613	CR CHILLER ROOM	-	_
1037		VARIABLE SPE	ED/FREQUENCY DRIVE CONTROLLERS					
1038	VD053B101	AHU #1	VARIABLE SPEED DRIVE VD-1 40 HP	ABB	173762	B1 BASEMENT	MR MECHANICAL ROOM	_
1039	VD053B102	AHU #2	VARIABLE SPEED DRIVE VD-2 40 HP	ABB	173763	B1 BASEMENT	MR MECHANICAL ROOM	_
1040	150555102	7.1.0 1.2	VIIIII ISEE OF EED DINITE TO E TOTAL	7.00	170703	B1 B/ BEITEIT	THE OLD WITH A LETTER OF THE OLD WITH A LETTER OLD WITH A LETTER OF THE OLD WITH A LETTER OLD WITH A LETTER OF THE OLD WITH A LETTER OLD WITH A LETTER OF THE OLD WITH A LETTER OLD WITH A LETT	
1041		BUILDING FAN	NS					
1042	VF053AH01	AHU #1	SUPPLY AIR FAN FOR AHU #1			_	_	_
1043		AHU #2	SUPPLY AIR FAN FOR AHU #2			_	_	_
1044	V1 033/11/02	WATER TREAT						
	WT0530101	CDW	WATER TREATMENT FOR COOLING TOWER	LAKEWOOD	IE50628	CR CHILLER ROOM	_	
	WT0530101	-	WATER TREATMENT FOR CLOSED LOOP	DIKEWOOD	1230020	CR CHILLER ROOM	_	_
1047	W10330102	EXPANSION T				CR CHILLER ROOM		
	XT053AH01	EXPANSION 17	EXPANSION TANK FOR AHU #1					
1048	VIODOWINT		EVI VIOLOTA LVINK LOW WILD #T				-	
							1	
1000	<u>054</u>	400 W C	ongress Tucson Office Building (Nort	tn)				
1051								
1052		AIR DRYER						
1053	AD054CR01		AIR DRYER	HANKISON		-	-	-
1054		AIR HANDLER						
1055	AH054PH01	# 1	AIR HANDLER	BAYLEY	QC-4504 ORD.	PH PENTHOUSE	-	-
					# 558220-00			
1056	AH054PH02	# 2	AIR HANDLER	BAYLEY	QC-4506 ORD.	PH PENTHOUSE	-	-
		_			# 558220-00			
1057		BOILERS			555225 00			
	BL054L201		BOILER	WEIL-MCLAIN	CP2174371	L2 LOWER LEVEL TWO	BOILER ROOM	
1059	520542201	BOILER PUMP			S. 21/43/1	LE LO IVEN LE VEE I VVO	DOILER ROOM	
1060	BP054L201	DOILLIN FUIVIP	BOILER PUMP		+	L2 LOWER LEVEL TWO	BOILER ROOM	-
1061	5. 5542201	CHILLERS	DOILERT OWN			LE LOVEIN LEVEL IVVO	DOILER ROOM	
1061	CH054L101	# 1	CENTRIFUGAL CHILLER	MCQUAY	5VK0103200	L1 LOWER LEVEL ONE	CHILLER ROOM	
		# 2	CENTRIFUGAL CHILLER CENTRIFUGAL CHILLER	MCQUAY	5VK0103200 5VK0103000	L1 LOWER LEVEL ONE	CHILLER ROOM CHILLER ROOM	-
1003	C11034L10Z	π 4	CENTRI OUAL CHILLER	IVICQUAT	2410103000	LT LOWER LLVLL OINE	CHILLER ROOM	_

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Fauinment	Notes	Description	Manufacturar	Carial No	Sub location 1	Sub location 2	Sub location 2
Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
No. 1064	CHILLER PUM	MDC					
1065 CP054L201	# 1	CHILLED WATER PUMP	AURORA	#90-02930-1	L2 LOWER LEVEL TWO	PUMP ROOM	_
1003 (10341201	# 1	CHILLED WATERT OWN	AUNONA	SIZE 4X5X11A	LZ LOWER LEVEL TWO	TOWN ROOM	
1066 CP054L202	# 2	CHILLED WATER PUMP	AURORA	#90-02930-1	L2 LOWER LEVEL TWO	PUMP ROOM	_
CI 0542202	" ²	CHIELES WATERT OWN	rionomi	SIZE 4X5X11A	LZ LOWER LEVEL 1WO	TOWN NOON	
1067	COOLING TO	WFRS		SIZE TASKIIA			
1068 CT054OS01	# 1	COOLING TOWER	EVAPCO	904544	CT COOLING TOWER	-	-
1069 CT054OS02	# 2	COOLING TOWER	EVAPCO	904545	CT COOLING TOWER	-	-
1070	CONDENSER	-					
1071 DP054L201	# 1	CONDENSER WATER PUMP	AURORA PUMP	#90-02929-2	L2 LOWER LEVEL TWO	PUMP ROOM	-
				SIZE 4X5X11			
1072 DP054L202	#2	CONDENSER WATER PUMP	AURORA	#90-02929-1	L2 LOWER LEVEL TWO	PUMP ROOM	-
				SIZE 4X5X11			
1073	FAN MOTOR	<u></u>					
1074 FM054AH01	AHU #1	SUPPLY AIR FAN MOTOR AHU #1			-	-	-
1075 FM054AH02	AHU #2	SUPPLY AIR FAN MOTOR AHU #2			-	-	-
1076	ISOLATION V						
1077 IV054AH01	AHU #1	ISOLATION VALVES FOR AHU #1			-	-	-
1078 IV054AH02	AHU #2	ISOLATION VALVES FOR AHU #2			-	-	-
1079 IV054CP01	CHW	CHILLED WATER PUMP ISOLATION VALVES			L2 LOWER LEVEL TWO	PUMP ROOM	-
1080 IV054DP01	CDW	CONDENSOR WATER PUMP ISOLATION			L2 LOWER LEVEL TWO	PUMP ROOM	-
		VALVES					
1081	COMPRESSO						
1082 PC0540101	DUINAD NAOTO	PNEUMATIC AIR COMPRESSOR			-	-	-
1083 1084 PM054L201	# 1	CHILLED WATER PUMP MOTOR	US ELEC MOTR		L2 LOWER LEVEL TWO	CHILLER ROOM	@ CHW PUMP #1
1084 PM054L201	# 1	CHILLED WATER POMP MOTOR CHILLED WATER PUMP MOTOR	US ELEC MOTR		L2 LOWER LEVEL TWO	CHILLER ROOM CHILLER ROOM	@ CHW PUMP #1
1085 PM054L202	# 1	CONDENSOR WATER PUMP MOTOR	US ELEC MOTR		L2 LOWER LEVEL TWO	PUMP ROOM	@ CDW PUMP #1
1087 PM054L204	# 2	CONDENSOR WATER PUMP MOTOR	US ELEC MOTR		L2 LOWER LEVEL TWO	PUMP ROOM	@ CDW PUMP #2
1088	PNEUMATIC		OS ELEC IVIOTIO		LZ LOWEN LEVEL TWO	TOWN ROOM	@ CDW I OWN #2
1089 PV054AH01	AHU #1	PNEUMATIC CONTROL VALVES			_	_	_
1000 1100	7.1.02	HOT & COLD DECK AHU #1					
1090 PV054AH02	AHU #2	PNEUMATIC CONTROL VALVES			_	_	-
		HOT & COLD DECK AHU #2					
1091	VARIABLE SP	EED/FREQUENCY DRIVE CONTROLLERS					
1092 VD054CR01		VARIABLE SPEED CONTROLLER VFD-3	ABB	174802	CR CHILLER ROOM	-	-
		TOWER 25 HP					
1093 VD054CR02		VARIABLE SPEED CONTROLLER VFD-4	ABB	174804	CR CHILLER ROOM	-	-
		TOWER 25 HP					
1094 VD054PH01	# 1	VARIABLE FREQUENCY DRIVE VFD-1	ROBICON	A090900-001	PH PENTHOUSE	-	-
		AHU #1 125 HP					
1095 VD054PH02	# 2	VARIABLE FREQUENCY DRIVE VFD-2	ABB	00071	PH PENTHOUSE	-	-
		AHU#2 125 HP					
1096	BUILDING FA						
1097 VF054AH01	AHU #1	SUPPLY AIR FAN FOR AHU #1			-	-	-
1098 VF054AH02	AHU #2	SUPPLY AIR FAN FOR AHU #2			-	-	-
1099	WATER TREA			2452275	00 0000 50 0000		
1100 WT0540101	CDW	TOWER WATER TREATMENT	LAKEWOOD	3K63876	CR CHILLER ROOM	=	-
1101 WT0540102	CHILLED WAT	TETOWER WATER TREATMENT	LAKEWOOD	3K63877	CR CHILLER ROOM	-	-
1102	EXPANSION 1	FOR CLOSED LOOP SYSTEM					
1102 1103 XT054AH01	LAPAINSION	EXPANSION TANK FOR AHU #1					
ATUDAHATUI		LAFAINGION TAINK FOR AFIU #1			<u>I</u> -	<u>I</u> -	<u> </u> -

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.		2001.0101		50.141.1101	040 100411011 2	342 100411011 2	
1104	140.							
1105	078	2010 N /	4th Street Sunstate Office Building					
1106	078	2310 N 4	-til Street Sunstate Office Building					
1107	CT078RF01		COOLING TOWER	BALTIMORE AI	U013537901MAD	RF ROOF		
1107			CONDENSER WATER PUMP	MAGNETEK	BU04	RF ROOF		
1109			CONDENSER WATER PUMP	MAGNETEK	BT8	RF ROOF	- -	_
1110			CONDENSOR PUMP (SPRAY PUMP)	BALTIMORE AI	ZRM121500D	RF ROOF	-	_
	FM078CT01		COOLING TOWER FAN MOTOR			RF ROOF	-	-
1112	FN078CT01		COOLING TOWER FAN			RF ROOF	-	-
1113			COOLING TOWER WATER TREATMENT			RF ROOF	-	-
1114								
1115								
1116	134	250 N 17	th Avenue State Health Laboratory	•				
1117	154	250 14 17	State Health Eaboratory					
1118	1	AIR DRYERS		1				
	AD1340101		AIR DRYER AD-1	INGERSO-RAND	42496281	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1120	AD134PH01		AIR SEPARATOR	TACO		PH PENTHOUSE	WEST END	_
1121		AIR HANDLER						
1122	AH1340201		HUMIDIFIER	PH	H2-1	02 SECOND FLOOR	FREEZER FARM	-
1123		BOILERS						
1124	BL134PH01		WATER HEATING BOILER	RBI	040331711	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1125	BL134PH02		WATER HEATING BOILER	RBI	040331710	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1126	BL134PH03		WATER HEATING BOILER	RBI	060332097	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1127	BL134PH04		WATER HEATING BOILER	RBI	060332096	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
	BL134PH05		WATER HEATING BOILER	RBI	050331794	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
			PRIMARY BOILER PUMP	BELL&GOSSETT	PBP-1	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1130	BP134PH02		PRIMARY BOILER PUMP	BELL&GOSSETT	PBP-2	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
	BP134PH03		PRIMARY BOILER PUMP	BELL&GOSSETT	PBP-3	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1132			PRIMARY BOILER PUMP	BELL&GOSSETT	PBP-4	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1133			PRIMARY BOILER PUMP	BELL&GOSSETT	PBP-5	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1134			SECONDARY BOILER PUMP	BELL&GOSSETT	SBP1	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1135 1136	BP134PH07		SECONDARY BOILER PUMP	BELL&GOSSETT	SBP2	PH PENTHOUSE PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1137	BP134PH08	CHILLERS	SECONDARY BOILER PUMP	BELL&GOSSETT	SBP3	PH PENTHOUSE	WEST END	4000F.1 BOILER ROOM
1138	CH1340101	CHILLERS	WATER CHILLER	TRANE	CH-1	01 FIRST FLOOR	1040A.1 MECHANICAL RM	
1139		1	WATER CHILLER	TRANE	CH-2	01 FIRST FLOOR	1040A.1 MECHANICAL RM	_
1140			WATER CHILLER	TRANE	CH-3	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1141	CH1340104	1	CHILLER REFRIGERANT MONITOR	GENESIS	03J-404-00453B	01 FIRST FLOOR	1040A.1 MECHANICAL RM	_
1142		CHILLER PUM						
	CP1340101		PRIMARY CHILLED WATER PUMP	BELL&GOSSETT	PCHWP1	01 FIRST FLOOR	1040A.1 MECHANICAL RM	=
1144			PRIMARY CHILLED WATER PUMP	BELL&GOSSETT	PCHWP2	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1145	CP1340103		PRIMARY CHILLED WATER PUMP	BELL&GOSSETT	PCHWP3	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1146	CP1340104		SECONDARY CHILLED WATER PUMP	BELL&GOSSETT	SCHWP1	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1147	CP1340105		SECONDARY CHILLED WATER PUMP	BELL&GOSSETT	SCHWP2	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1148	CP1340106		SECONDARY CHILLED WATER PUMP	BELL&GOSSETT	SCHWP3	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1149		COOLING TOV						
1150	CT134RF01		COOLING TOWER	EVAPCO	CT1	RF ROOF	1ST FLOOR ROOF	-
1151			COOLING TOWER	EVAPCO	CT-2	RF ROOF	1ST FLOOR ROOF	-
1152	CT134RF03		COOLING TOWER	EVAPCO	CT-3	RF ROOF	1ST FLOOR ROOF	=
1153	CT134RF04		COOLING TOWER SEPARATOR	GRISWOLD	CSR251	RF ROOF	1ST FLOOR ROOF	=
1154		CONDENSERS						

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Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
No.	13333						
1155 CU134PH01		COMPUTER ROOM A/C CONDENSING UNIT	LIEBERT	CRAC 2-1B	PH PENTHOUSE	_	-
1156 CU134PH02		COMPUTER ROOM A/C CONDENSING UNIT	LIEBERT	CRAC 3-1B	PH PENTHOUSE	_	-
1157 CU134RF01		COMPUTER ROOM A/C CONDENSING UNIT	LIEBERT	CRAC 1-1B	RF ROOF	1ST FLOOR ROOF	EAST ROOF
1158 CU134RF02		COMPUTER ROOM A/C CONDENSING UNIT	LIEBERT	CRAC 1-2B	RF ROOF	1ST FLOOR ROOF	EAST ROOF
1159 CU134RF03		COMPUTER ROOM A/C CONDENSING UNIT	LIEBERT	CRAC1-3B	RF ROOF	1ST FLOOR ROOF	EAST ROOF
1160 CU134RF04		CONDENSING UNIT	TRANE	CU-1	RF ROOF	3RD FLOOR ROOF	-
1161	VARIABLES	SPEED/FREQUENCY DRIVE CONTROLLERS			1000		
1162 DC1340108	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	VARIABLE FREQUENCY DRIVE FOR AHU8	ABB	VFD-8	01 FIRST FLOOR	_	_
1163 DC1340109		VARIABLE FREQUENCY DRIVE FOR AHU9	ABB	VFD-9	01 FIRST FLOOR	_	_
1164 DC1340110		VARIABLE FREQUENCY DRIVE FOR SCHUP-1	ABB	VFD-10	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	_
1165 DC1340111		VARIABLE FREQUENCY DRIVE FOR SCHWP-2	ABB	VFD-11	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	_
1166 DC1340112		VARIABLE FREQUENCY DRIVE FOR SCHWP-3	ABB	VFD-12	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	_
1167 DC1340116		VARIABLE FREQUENCY DRIVE FOR CT-1	ABB	VFD-16	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	_
1168 DC1340117		VARIABLE FREQUENCY DRIVE FOR CT-2	ABB	VFD-17	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	_
1169 DC1340118		VARIABLE FREQUENCY DRIVE FOR CT-3	ABB	VFD-18	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
1170 DC1340131		VARIABLE FREQUENCY DRIVE VARIABLE FREQUENCY DRIVE	RELIANCE ELE	VFD-31	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
1171 DC1340132		VARIABLE FREQUENCY DRIVE	RELIANCE ELE	VFD-32	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
1171 DC1340132 1172 DC134PH01		VARIABLE FREQUENCY DRIVE FOR AHU1	ABB	VFD-1	PH PENTHOUSE	WEST END	<u> </u>
1173 DC134PH03		VARIABLE FREQUENCY DRIVE FOR AHU3	ABB	VFD-3	PH PENTHOUSE	WEST END	
1174 DC134PH04		VARIABLE FREQUENCY DRIVE FOR AHU4	ABB	VFD-4	PH PENTHOUSE	CENTER	
1175 DC134PH05		VARIABLE FREQUENCY DRIVE FOR AHU5	ABB	VFD-5	PH PENTHOUSE	CENTER	
1176 DC134PH06		VARIABLE FREQUENCY DRIVE FOR AHU6	ABB	VFD-6	PH PENTHOUSE	CENTER	
1177 DC134PH07		VARIABLE FREQUENCY DRIVE FOR AHU7	ABB	VFD-7	PH PENTHOUSE	CENTER	-
1177 DC134PH07		VARIABLE FREQUENCY DRIVE FOR AHO7 VARIABLE FREQUENCY DRIVE FOR SBP-1	ABB	VFD-13	PH PENTHOUSE	WEST END	
			ABB	VFD-13			
1179 DC134PH14 1180 DC134PH15		VARIABLE FREQUENCY DRIVE FOR SBP-2 VARIABLE FREQUENCY DRIVE FOR SBP-3	ABB	VFD-14 VFD-15	PH PENTHOUSE PH PENTHOUSE	WEST END	<u>-</u>
			ABB			WEST END	-
		VARIABLE FREQUENCY DRIVE FOR EF-1		VFD-19	PH PENTHOUSE	-	-
1182 DC134PH20		VARIABLE FREQUENCY DRIVE FOR EF-1A	ABB	VFD-20	PH PENTHOUSE		
1183 DC134PH21		VARIABLE FREQUENCY DRIVE FOR EF-2	ABB	VFD-21	PH PENTHOUSE		
1184 DC134PH22		VARIABLE FREQUENCY DRIVE FOR EF-2A	ABB	VFD-22	PH PENTHOUSE	- CENTED	-
1185 DC134PH23		VARIABLE FREQUENCY DRIVE FOR EF-3	ABB	VFD-23	PH PENTHOUSE	CENTER	-
1186 DC134PH24		VARIABLE FREQUENCY DRIVE FOR EF-3A	ABB	VFD-24	PH PENTHOUSE	CENTER	-
1187 DC134PH25		VARIABLE FREQUENCY DRIVE FOR EF-4	ABB	VFD-25	PH PENTHOUSE	CENTER	-
1188 DC134PH26		VARIABLE FREQUENCY DRIVE FOR EF-4A	ABB	VFD-26	PH PENTHOUSE	CENTER	-
1189 DC134PH27		VARIABLE FREQUENCY DRIVE FOR EF-5	ABB	VFD-27	PH PENTHOUSE	CENTER	-
1190 DC134PH28		VARIABLE FREQUENCY DRIVE FOR EF-5A	ABB	VFD-28	PH PENTHOUSE	CENTER	-
1191 DC134PH29		VARIABLE FREQUENCY DRIVE FOR EF-7	ABB	VFD-29	PH PENTHOUSE	WEST END	-
1192 DC134PH2A		VARIABLE FREQUENCY DRIVE FOR AHU2	ABB	VFD-2A	PH PENTHOUSE	EAST END	-
1193 DC134PH2B		VARIABLE FREQUENCY DRIVE FOR AHU2	ABB	VFD-2B	PH PENTHOUSE	EAST END	-
1194 DC134PH30		VARIABLE FREQUENCY DRIVE FOR EF-8	ABB	VFD-30	PH PENTHOUSE	CENTER	-
1195	CONDENSE						
1196 DP1340101		CONDENSING WATER PUMP	BELL&GOSSETT	CWP-1	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1197 DP1340102		CONDENSING WATER PUMP	BELL&GOSSETT	CWP-2	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1198 DP1340103		CONDENSING WATER PUMP	BELL&GOSSETT	CWP-3	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1199	EXHAUST F						
1200 EF134PH07		EXHAUST FAN-GENERAL EXHAUST	СООК	EF-4	PH PENTHOUSE	-	-
1201 EF134PH08		EXHAUST FAN -GENERAL EXHAUST	СООК	EF-4A	PH PENTHOUSE	-	-
1202	INDOOR U						
1203 IU1340101		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC 1-1A	03 THIRD FLOOR	3105.1 TELECOM MDF	-
1204 IU1340102		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC 1-2A	01 FIRST FLOOR	1052.1 W TELECOM MDF	-
1205 IU1340103		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC1-3A	01 FIRST FLOOR	1052.1 W TELECOM MDF	-
1206 IU1340201		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC2-1A	01 FIRST FLOOR	1105.1 E TELECOM MDF	-

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Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
No.		·					
1207 IU1340301		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC 3-1A	01 FIRST FLOOR	1105.1 E TELECOM MDF	-
1208	COMPRESSO	<u>R</u>					
1209 PC1340101		PNEUMATIC AIR COMPRESSOR	INGERSO-RAND	0306050151	01 FIRST FLOOR	1040A.1 MECHANICAL RM	-
1210	WATER PUM	<u>PS</u>					
1211 WP134PH01		HOT WATER PUMP - DOMESTIC		15X15X8 4380	PH PENTHOUSE	EAST END	WATER HEATER RM
1212 WP134PH02		HOT WATER PUMP - LAB			PH PENTHOUSE	EAST END	WATER HEATER RM
1213	EXPANSION						
1214 XT1340101		EXPANSION TANK	TACO	EX-1	01 FIRST FLOOR	1040A.1 MECHANICAL RM	40005 4 DOUED DA
1215 XT134PH02 1216 XT134PH03		EXPANSION TANK	TACO TACO	EX-2 EX-3	PH PENTHOUSE	WEST END	4000F.1 BOILER RM
1216 XT134PH03 1217 XT134PH04		EXPANSION TANK EXPANSION TANK	TACO	EX-4	PH PENTHOUSE PH PENTHOUSE	EAST END EAST END	WATER HEATER RM WATER HEATER RM
1217 113471104		LAFAINSION TAINK	TACO	LA-4	FITFENTHOUSE	EAST END	WATERTIEATER RIVI
		1001 W Madison Polls Pa	aanha Dildin	_			
¹²¹⁹ 140		1901 W Madison Polly Ro	senbaum Bullain	g			
1220							
1221	BOILERS						
1222 BL1400201	B-1	WEST HEATING WATER BOILER	LAARS	A07185038	BOILER	02 SECOND FLOOR	230 MECHANICAL ROOM
1223 BL1400202 1224 BL1400203	B-2 SB-1	EAST HEATING WATER BOILER	LAARS PARKER	A07185039 58144	BOILER BOILER	02 SECOND FLOOR 02 SECOND FLOOR	230 MECHANICAL ROOM 230 MECHANICAL ROOM
1224 BL1400203 1225 BL1400204	SB-1	WEST STEAM BOILER EAST STEAM BOILER	PARKER	58143	BOILER	02 SECOND FLOOR	230 MECHANICAL ROOM
1226	CHILLERS	EAST STEAM BOILER	TANKEN	30143	BOILER	02 SECOND 1 EOOK	250 WECHANICAL NOOW
1227 CH1400101	CH-1	EAST CHILLER	TRANE		01 FIRST FLOOR	130 MECHANICAL ROOM	EAST
1228 CH1400102	CH-2	WEST CHILLER	TRANE		01 FIRST FLOOR	130 MECHANICAL ROOM	WEST
1229	CHILLER PUN						111111111111111111111111111111111111111
1230 CP1400101	CHP-1	PRIMARY CHILLED WATER PUMP	ARMSTRNG		01 FIRST FLOOR	130 MECHANICAL RM	SOUTHEAST
1231 CP1400102	CHP-2	PRIMARY CHILLED WATER PUMP	ARMSTRNG		01 FIRST FLOOR	130 MECHANICAL RM	SOUTHEAST
1232 CP1400103	CHP-3	PRIMARY CHILLED WATER PUMP	ARMSTRNG		01 FIRST FLOOR	130 MECHANICAL RM	SOUTHEAST
1233 CP1400104	CHP-4	SECONDARY CHILLED WATER PUMP	ARMSTRNG		01 FIRST FLOOR	130 MECHANICAL RM	NORTHEAST
	CHP-5	SECONDARY CHILLED WATER PUMP					
			ARMSTRNG		01 FIRST FLOOR	130 MECHANICAL RM	NORTHEAST
1235	COOLING TO						
1236 CT140OS01	CT-1	WEST COLING TOWER	EVAPCO		OUTSIDE	REAR YARD	EQUIPMENT YARD
1237 CT140OS02	CT-2	EAST COLING TOWER	EVAPCO		OUTSIDE	REAR YARD	-
1238	CONDENSER						
1239 DP1400101	CP-1	CONDENSER WATER PUMP	ARMSTRNG		01 FIRST FLOOR	130 MECHANICAL RM	WEST
1240 DP1400102	CP-2	CONDENSER WATER PUMP	ARMSTRNG		01 FIRST FLOOR	130 MECHANICAL RM	WEST
1241 DP1400103	CP-1	CONDENSER WATER PUMP	ARMSTRNG		01 FIRST FLOOR	130 MECHANICAL RM	WEST
1242	VARIABLE SP	EED/FREQUENCY DRIVE CONTROLLERS					
1243 VD1400101	VFD1	VFD 1 FOR AHU 1			01 FIRST FLOOR	126 MECH RM TWO	
1244 VD1400102	VFD2	VFD 2 FOR AHU 1			01 FIRST FLOOR	126 MECH RM TWO	
1245 VD1400103	VFD 1	VFD 1 FOR AHU 2			01 FIRST FLOOR	126 MECH RM TWO	
1246 VD1400104	VFD 2	VFD 2 FOR AHU 2			01 FIRST FLOOR	126 MECH RM TWO	
1247 VD1400201	VFD1	VFD 1 FOR AHU 3			02 SECOND FLR	225 FAN RM ONE	
1248 VD1400202	VFD2	VFD 2 FOR AHU 3			02 SECOND FLR	225 FAN RM ONE	
1249 VD1400203	VFD1	VFD 1 FOR AHU 4			02 SECOND FLR	225 FAN RM ONE	
1250 VD1400204	VFD2	VFD 2 FOR AHU 4			02 SECOND FLR	225 FAN RM ONE	
1251 VD1400205	VFD1	VFD 1 FOR AHU 5			02 SECOND FLR	231 FAN RM TWO	
1252 VD1400206	VFD2	VFD 2 FOR AHU 5			02 SECOND FLR	231 FAN RM TWO	
1253 DC1400201	RF 2-1	E7 DRIVE FOR RELEIF AIR FAN	YASKAWA		02 SECOND FLR	225 FAN RM ONE	
1254 DC1400202	HWP 4	E7 DRIVE FOR HWP 4	YASKAWA		02 SECOND FLR	230 MECH RM THREE	

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	Equipment	Notes	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.							
1255	DC1400203	HWP 5	E7 DRIVE FOR HWP 5	YASKAWA		02 SECOND FLR	230 MECH RM THREE	
1256	DC1400204	CHP 4	E7 DRIVE FOR CHP4	YASKAWA		02 SECOND FLR	130 MECH RM ONE	
1257	DC1400205	CHP 5	E7 DRIVE FOR CHP 5	YASKAWA		02 SECOND FLR	130 MECH RM ONE	
1258		WATER PU	MPS					
1259	WP1400201	HWP-1	PRIMARY HEATING WATER PUMP	ARMSTRNG		02 SECOND FLR	230 MECHANICAL RM	SOUTHWEST
1260	WP1400202	HWP-2	PRIMARY HEATING WATER PUMP	ARMSTRNG		02 SECOND FLR	230 MECHANICAL RM	SOUTHWEST
1261	WP1400203	HWP-3	PRIMARY HEATING WATER PUMP	ARMSTRNG		02 SECOND FLR	230 MECHANICAL RM	SOUTHWEST
1262	WP1400204	HWP-4	SECONDARY HEATING WATER PUMP	ARMSTRNG		02 SECOND FLR	230 MECHANICAL RM	SOUTHWEST
1263	WP1400205	HWP-5	SECONDARY HEATING WATER PUMP	ARMSTRNG		02 SECOND FLR	230 MECHANICAL RM	SOUTHWEST
1264		WATER TR	EATMENT .					

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BLE SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE FREQUENCY DRIVE - AHU #1 VARIABLE FREQUENCY DRIVE - AHU #2 VARIABLE FREQUENCY DRIVE - AHU #3 VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5 VARIABLE FREQUENCY DRIVE - AHU #6 VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - AHU #9 VARIABLE FREQUENCY DRIVE - AHU #9 VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS ABB PARAMETRICS	8721 1053 8721 1053	01 FIRST FLOOR 02 SECOND FLOOR 03 THIRD FLOOR 04 FOURTH FLOOR 05 FIFTH FLOOR 06 SIXTH FLOOR 07 SEVENTH FLOOR		
BLE SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE FREQUENCY DRIVE - AHU #1 VARIABLE FREQUENCY DRIVE - AHU #2 VARIABLE FREQUENCY DRIVE - AHU #3 VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5 VARIABLE FREQUENCY DRIVE - AHU #6 VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS ABB		02 SECOND FLOOR 03 THIRD FLOOR 04 FOURTH FLOOR 05 FIFTH FLOOR 06 SIXTH FLOOR 07 SEVENTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #1 VARIABLE FREQUENCY DRIVE - AHU #2 VARIABLE FREQUENCY DRIVE - AHU #3 VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5 VARIABLE FREQUENCY DRIVE - AHU #6 VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS ABB		02 SECOND FLOOR 03 THIRD FLOOR 04 FOURTH FLOOR 05 FIFTH FLOOR 06 SIXTH FLOOR 07 SEVENTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #2 VARIABLE FREQUENCY DRIVE - AHU #3 VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5 VARIABLE FREQUENCY DRIVE - AHU #6 VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS ABB		02 SECOND FLOOR 03 THIRD FLOOR 04 FOURTH FLOOR 05 FIFTH FLOOR 06 SIXTH FLOOR 07 SEVENTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #3 VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5 VARIABLE FREQUENCY DRIVE - AHU #6 VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS ABB	8721 1053	03 THIRD FLOOR 04 FOURTH FLOOR 05 FIFTH FLOOR 06 SIXTH FLOOR 07 SEVENTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #4 VARIABLE FREQUENCY DRIVE - AHU #5 VARIABLE FREQUENCY DRIVE - AHU #6 VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS ABB		04 FOURTH FLOOR 05 FIFTH FLOOR 06 SIXTH FLOOR 07 SEVENTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #5 VARIABLE FREQUENCY DRIVE - AHU #6 VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS PARAMETRICS PARAMETRICS ABB		05 FIFTH FLOOR 06 SIXTH FLOOR 07 SEVENTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #6 VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS PARAMETRICS ABB		06 SIXTH FLOOR 07 SEVENTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #7 VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS PARAMETRICS ABB		07 SEVENTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #8 VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	PARAMETRICS ABB				
VARIABLE FREQUENCY DRIVE - MAKEUP AIR VARIABLE FREQUENCY DRIVE - AHU #9	ABB		108 EIGHTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU #9					
	DVBVVVIETBILG		08 EIGHTH FLOOR		
VARIABLE FREQUENCY DRIVE -		8720 1034	09 NINTH FLOOR		
BOLD EXHAUST FAN	PARAMETRICS	8720 1034	09 NINTH FLOOR		
VARIABLE FREQUENCY DRIVE - AHU B-1	PARAMETRICS	8721 1046	B2 BASEMENT		
VARIABLE FREQUENCY DRIVE - AHU B-2	PARAMETRICS		B2 BASEMENT		
VARIABLE FREQUENCY DRIVE -	ABB	5063700550	B2 BASEMENT		
	ARR	5063700539	R2 BASEMENT		
	ADD	3003700339	DZ DAJEIVILINI		
	ARR	2069100240	B2 BASEMENT		
	7.55	2003102033	DE BASEMENT		
	ABB	2070100462	B2 BASEMENT		
	,,,,,,	2070100.02	52 57 to 2.1112.111		
	ABB	2111500225	B2 BASEMENT		
N Adams Department of Health Services BLE SPEED/FREQUENCY DRIVE CONTROLLERS					
VFD SUPPLY FAN	ABB	2094800983			
VFD RETURN FAN	ABB	2094902462	PENTHOUSE		
N Adams Department of Health Services					
BLE SPEED/FREQUENCY DRIVE CONTROLLERS					
	АВВ	290513	CHILLER ROOM		
	VARIABLE FREQUENCY DRIVE - CHILLER PUMP 1 VARIABLE FREQUENCY DRIVE - CHILLER PUMP 2 VARIABLE FREQUENCY DRIVE - BLDG PUMP 3 VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 VARIABLE FREQUENCY DRIVE - CONDENSOR PUMP 5 VARIABLE FREQUENCY DRIVE - CONDENSOR PUMP 6 VFD E.TOWER FAN VFD W.TOWER FAN VAdams Department of Health Services BLE SPEED/FREQUENCY DRIVE CONTROLLERS	VARIABLE FREQUENCY DRIVE - CHILLER PUMP 1 VARIABLE FREQUENCY DRIVE - CHILLER PUMP 2 VARIABLE FREQUENCY DRIVE - BLDG PUMP 3 VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 ABB VARIABLE FREQUENCY DRIVE - CONDENSOR PUMP 5 VARIABLE FREQUENCY DRIVE - CONDENSOR PUMP 6 VFD E.TOWER FAN ABB VFD W.TOWER FAN ABB VARIABLE FREQUENCY DRIVE - ABB ABB VFD W.TOWER FAN ABB VFD W.TOWER FAN ABB VAdams Department of Health Services BLE SPEED/FREQUENCY DRIVE CONTROLLERS	VARIABLE FREQUENCY DRIVE - ABB 5063700550 CHILLER PUMP 1 ABB 5063700550 VARIABLE FREQUENCY DRIVE - ABB 5063700539 CHILLER PUMP 2 ABB 2069100240 VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 ABB 2070100414 VARIABLE FREQUENCY DRIVE - ABB 2065102633 CONDENSOR PUMP 5 ABB 2070100462 CONDENSOR PUMP 6 ABB 2070100462 VFD E.TOWER FAN ABB 2111500306 W Adams Department of Health Services BLE SPEED/FREQUENCY DRIVE CONTROLLERS VFD SUPPLY FAN ABB 2094800983	VARIABLE FREQUENCY DRIVE - CHILLER PUMP 1 VARIABLE FREQUENCY DRIVE - CHILLER PUMP 2 VARIABLE FREQUENCY DRIVE - BLDG PUMP 3 VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 ABB 2069100240 B2 BASEMENT VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 ABB 2070100414 B2 BASEMENT VARIABLE FREQUENCY DRIVE - ABB 2065102633 B2 BASEMENT CONDENSOR PUMP 5 VARIABLE FREQUENCY DRIVE - CONDENSOR PUMP 6 VFD E.TOWER FAN ABB 2111500225 B2 BASEMENT VFD W.TOWER FAN ABB 2111500306 B2 BASEMENT VFD W.TOWER FAN ABB 2094800983 PENTHOUSE	VARIABLE FREQUENCY DRIVE - CHILLER PUMP 1 VARIABLE FREQUENCY DRIVE - CHILLER PUMP 2 VARIABLE FREQUENCY DRIVE - BLDG PUMP 3 VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 ABB 2069100240 B2 BASEMENT VARIABLE FREQUENCY DRIVE - BLDG PUMP 4 ABB 2070100414 B2 BASEMENT VARIABLE FREQUENCY DRIVE - ABB 2065102633 B2 BASEMENT CONDENSOR PUMP 5 VARIABLE FREQUENCY DRIVE - ABB 2070100462 B2 BASEMENT CONDENSOR PUMP 6 VFD E.TOWER FAN ABB 2111500225 B2 BASEMENT VFD W.TOWER FAN ABB 2111500306 B2 BASEMENT VFD W.TOWER FAN ABB 2094800983 PENTHOUSE

lo.	<u>Notes</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Jenai NU.</u>	Sub-location 1	Sub-location 2	Sub-locat
	VARIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS					
/D007RF01		VSD CONTROLLER/INVERTER FOR BLDG AHU FAN	ABB		RF ROOF		
008	1616 W A	dams Department of Land					
	VARIARIF	SPEED/FREQUENCY DRIVE CONTROLLERS					
ACH550-VCR-023A-4	VARIABLE	VFD TOWER FAN	ABB	2081801010	LOWER ROOF		
ACH550-VCR-015A-4		VFD RETURN FAN	ABB	2131902832	E. SIDE CHILLER ROOM		
ACH550-VCR-031A-4		VFD SUPPLY FAN	ABB	2131903771	E. SIDE CHILLER ROOM		
009	1510M W	Adams Data Mechanical Building					
	VARIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS					
/D0090101	# 1	VFD FOR COOLING TOWER	ABB		01 FIRST FLOOR		
	# 2	VFD FOR COOLING TOWER	ABB		01 FIRST FLOOR		
CH550-VCR-072A-4	VARIABLE	VFD A/H #1	ABB	2131904614	EQUIPMENT ROOM		
ACH550-VCR-072A-4	1700 W W	VFD A/H #2 /ashington Executive Tower	ABB	2131904621	EQUIPMENT ROOM		
ACH550-VCR-072A-4)111	VARIABLE	/ashington Executive Tower SPEED/FREQUENCY DRIVE CONTROLLERS		2131904621		1	
ACH550-VCR-072A-4 111 //D011B101	VARIABLE AHU 1	/ashington Executive Tower SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1	ABB		B1 BASEMENT		
ACH550-VCR-072A-4 111 //D011B101 //D011B102	VARIABLE AHU 1 AHU 2	/ashington Executive Tower SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2	ABB ABB	2131904621 140807	B1 BASEMENT B1 BASEMENT		
ACH550-VCR-072A-4 211 //D011B101 //D011B102 //D011B103	VARIABLE AHU 1 AHU 2 AHU 3	Ashington Executive Tower SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3	ABB ABB ABB		B1 BASEMENT B1 BASEMENT B1 BASEMENT		
ACH550-VCR-072A-4 211 //D011B101 //D011B102 //D011B103	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4	VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4	ABB ABB		B1 BASEMENT B1 BASEMENT		
ACH550-VCR-072A-4 111 //D011B101	VARIABLE AHU 1 AHU 2 AHU 3	VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS	ABB ABB ABB		B1 BASEMENT B1 BASEMENT B1 BASEMENT		
ACH550-VCR-072A-4 111 //D011B101 //D011B102 //D011B103 //D011B104	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING	VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4	ABB ABB ABB ABB	140807	B1 BASEMENT B1 BASEMENT B1 BASEMENT B1 BASEMENT		
ACH550-VCR-072A-4 111 //D011B101 //D011B102 //D011B103 //D011B104 //F011B101	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1	SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL	ABB ABB ABB ABB	140807 SF 31424-1	B1 BASEMENT B1 BASEMENT B1 BASEMENT B1 BASEMENT B1 BASEMENT		
ACH550-VCR-072A-4 (D11 (D011B101 (D011B102 (D011B103 (D011B104 (F011B101 (F011B102	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2	SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL IN LINE AXIAL VANE FAN, MOTOR & CONTROL	ABB ABB ABB ABB JOY JOY	140807 SF 31424-1 SF 31424	B1 BASEMENT B1 BASEMENT B1 BASEMENT B1 BASEMENT B1 BASEMENT B1 BASEMENT		
ACH550-VCR-072A-4 (D011B101 (D011B102 (D011B103 (D011B104 (F011B101 (F011B102 (F011B103	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3	SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL	ABB ABB ABB ABB JOY JOY JOY	140807 SF 31424-1 SF 31424 SF 31424-2	B1 BASEMENT		
ACH550-VCR-072A-4 (D011B101 (D011B102 (D011B103 (D011B104 (F011B101 (F011B102 (F011B103	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4	SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL	ABB ABB ABB ABB JOY JOY JOY	140807 SF 31424-1 SF 31424 SF 31424-2	B1 BASEMENT		
/CCH550-VCR-072A-4 //D011B101 //D011B102 //D011B103 //D011B104 //F011B101 //F011B102 //F011B103 //F011B104	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4	VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL NT ROOM	ABB ABB ABB JOY JOY JOY JOY	SF 31424-1 SF 31424 SF 31424 SF 31424-2 SF 31424-3	B1 BASEMENT		
ACH550-VCR-072A-4 (D011B101 (D011B102 (D011B103 (D011B104 (F011B104 (F011B103 (F011B104 ACH550-BCR-031A-4+B058	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4	VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL VSD TOWER FAN #1	ABB ABB ABB JOY JOY JOY JOY ABB	SF 31424-1 SF 31424 SF 31424-2 SF 31424-3	B1 BASEMENT		
ACH550-VCR-072A-4 (D011B101 (D011B102 (D011B103 (D011B104 (F011B103 (F011B103 (F011B104 ACH550-BCR-031A-4+B058 ACH550-BCR-031A-4+B058	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4	VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL VSD TOWER FAN #1 VFD TOWER FAN #1	ABB ABB ABB ABB JOY JOY JOY JOY ABB ABB	SF 31424-1 SF 31424-2 SF 31424-2 SF 31424-3 2111500249 2111500211	B1 BASEMENT		
ACH550-VCR-072A-4 (D011B101 (D011B102 (D011B103 (D011B104 (F011B104 (F011B104 ACH550-BCR-031A-4+B058 ACH550-BCR-031A-4+B058 ACH550-BCR-031A-4+B058	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4	Ashington Executive Tower SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL VFD TOWER FAN #1 VFD TOWER FAN #1 VFD TOWER FAN #2 VFD TOWER FAN #3	ABB ABB ABB JOY JOY JOY JOY ABB ABB ABB	SF 31424-1 SF 31424-2 SF 31424-2 SF 31424-3 2111500249 2111500211 2111500168	B1 BASEMENT B2 BASEMENT B3 BASEMENT B4 BASEMENT B6 BASEMENT B7 BASEMENT B1 BASEMENT B1 BASEMENT B2 BASEMENT B3 BASEMENT B4 BASEMENT B5 BASEMENT B6 BASEMENT B7 BASEMENT B8 BASEMENT B9 BASEMENT B1 BAS		
/CCH550-VCR-072A-4 //D011B101 //D011B102 //D011B103 //D011B104 //F011B102 //F011B103 //F011B104 //F011B104 //CO150-BCR-031A-4+B058 //CCH550-BCR-031A-4+B058 //CCH550-BCR-031A-4+B058 //CCH550-BCR-031A-4+B058 //CCH550-BCR-031A-4+B058	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4 EQUIPME	Ashington Executive Tower SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL VFD TOWER FAN #1 VFD TOWER FAN #2 VFD TOWER FAN #3 VFD TOWER FAN #4	ABB ABB ABB JOY JOY JOY JOY ABB ABB ABB	SF 31424-1 SF 31424-2 SF 31424-2 SF 31424-3 2111500249 2111500211 2111500168	B1 BASEMENT B2 BASEMENT B3 BASEMENT B4 BASEMENT B6 BASEMENT B7 BASEMENT B1 BASEMENT B1 BASEMENT B2 BASEMENT B3 BASEMENT B4 BASEMENT B5 BASEMENT B6 BASEMENT B7 BASEMENT B8 BASEMENT B9 BASEMENT B1 BAS		
ACH550-VCR-072A-4 (D011B101 (D011B102 (D011B103 (D011B104 (F011B104 (F011B104 ACH550-BCR-031A-4+B058 ACH550-BCR-031A-4+B058 ACH550-BCR-031A-4+B058	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4 EQUIPME	Ashington Executive Tower SPEED/FREQUENCY DRIVE CONTROLLERS VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL VFD TOWER FAN #1 VFD TOWER FAN #1 VFD TOWER FAN #2 VFD TOWER FAN #3	ABB ABB ABB JOY JOY JOY JOY ABB ABB ABB	SF 31424-1 SF 31424-2 SF 31424-2 SF 31424-3 2111500249 2111500211 2111500168	B1 BASEMENT B2 BASEMENT B3 BASEMENT B4 BASEMENT B6 BASEMENT B7 BASEMENT B1 BASEMENT B1 BASEMENT B2 BASEMENT B3 BASEMENT B4 BASEMENT B5 BASEMENT B6 BASEMENT B7 BASEMENT B8 BASEMENT B9 BASEMENT B1 BAS		
/CCH550-VCR-072A-4 //11 //D011B101 //D011B102 //D011B103 //D011B104 //F011B102 //F011B103 //F011B104 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4 EQUIPME	VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL VFD TOWER FAN #1 VFD TOWER FAN #1 VFD TOWER FAN #2 VFD TOWER FAN #3 VFD TOWER FAN #4 Washington 1938/1919 Capitol Additions	ABB ABB ABB JOY JOY JOY JOY ABB ABB ABB ABB ABB	SF 31424-1 SF 31424-2 SF 31424-2 SF 31424-3 2111500249 2111500211 2111500168	B1 BASEMENT EQUIPMENT ROOM EQUIPMENT ROOM EQUIPMENT ROOM		
/CCH550-VCR-072A-4 //D011B101 //D011B102 //D011B103 //D011B104 //F011B102 //F011B103 //F011B104 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4 EQUIPME	VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL VFD TOWER FAN #1 VFD TOWER FAN #2 VFD TOWER FAN #3 VFD TOWER FAN #4 Washington 1938/1919 Capitol Additions FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL	ABB ABB ABB JOY JOY JOY JOY ABB ABB ABB ABB ABB ABB	SF 31424-1 SF 31424 SF 31424-2 SF 31424-3 2111500249 2111500168 2111500194	B1 BASEMENT		
/CCH550-VCR-072A-4 //11 //D011B101 //D011B102 //D011B103 //D011B104 //F011B102 //F011B103 //F011B104 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058 /CCH550-BCR-031A-4+B058	VARIABLE AHU 1 AHU 2 AHU 3 AHU 4 BUILDING AHU 1 AHU 2 AHU 3 AHU 4 EQUIPME	VSD FOR BLDG AHU #1 VSD FOR BLDG AHU #2 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #3 VSD FOR BLDG AHU #4 FANS IN LINE AXIAL VANE FAN, MOTOR & CONTROL VFD TOWER FAN #1 VFD TOWER FAN #1 VFD TOWER FAN #2 VFD TOWER FAN #3 VFD TOWER FAN #4 Washington 1938/1919 Capitol Additions	ABB ABB ABB JOY JOY JOY JOY ABB ABB ABB ABB ABB	SF 31424-1 SF 31424-2 SF 31424-2 SF 31424-3 2111500249 2111500211 2111500168	B1 BASEMENT EQUIPMENT ROOM EQUIPMENT ROOM EQUIPMENT ROOM		

2 of 8

<u>Equipment</u>	Notes	<u>Description</u>	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
No.							
	BUILDING	FANS					
ACH550-VCR-08A8-4		VFD RETURN FAN A/H #2	ABB	2134503539	ROOF		
ACH550-VCR-045A-4		VFD COLD DECK FAN A/H #2	ABB	2134503358	ROOF		
ACH550-VCR-031A-4		VFD HOT DECK FAN A/H #2	ABB	2134503532	ROOF		
ACH550-VCR-08A8-4		VFD RETURN FAN A/H #3	ABB	2132304104	ROOF		
ACH550-VCR-045A-4		VFD COLD DECK FAN A/H #3	ABB	2132304097	ROOF		
ACH550-VCR-031A-4		VFD HOT DECK FAN A/H #3	ABB	2132303458	ROOF		
<u>014</u>	1700S W	Washington Senate					
VD014B101		VED DDIVE FOR ALIVE	1.00		D4 DASSAGNIT		
150115101		VFD DRIVE FOR AHU #1	ABB	<u> </u>	B1 BASEMENT		
; 5 015	4 400 14/14	Washington Based and Commissions					
<u>015</u>	1400 W V	Vashington Boards and Commissions					
.	BUILDING	FANS					
VF015B101	# 1SA	SUPPLY AIR FAN, MOTOR & CONTROL	FLAKT-AXICO	1100082	B1 BASEMENT		
VF015B102	# 2SA	SUPPLY AIR FAN, MOTOR & CONTROL	FLAKT-AXICO	1100082	B1 BASEMENT		
VF015B103	# 1RA	RETURN AIR FAN, MOTOR & CONTROL	FLAKT-AXICO	1100083	B1 BASEMENT		
VF015B104	# 2RA	RETURN AIR FAN, MOTOR & CONTROL	FLAKT-AXICO	1100084	B1 BASEMENT		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1. =				
<u>017</u>	1300 W V	Vashington State Parks					
; 							
i e	VARIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS					
VD017B101	AHU 1	VSD FOR BLDG AHU #1 SUPPLY AIR FAN	ABB	B00577	B1 BASEMENT		
VD017B102	AHU 1	VSD FOR BLDG AHU #1 RETURN AIR FAN	ABB	116911	B1 BASEMENT		
1							
<u>018</u>	1200 W V	Vashington Corporation Commission					
!	VARIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS	1	1	_		1
ACH550-BCR-015-4+B055		VFD TOWER FAN #1	ABB	2111500370	CHILLER ROOM		
ACH550-BCR-015-4+B055		VFD TOWER FAN #2	ABB	2111500383	CHILLER ROOM		
ACH550-BCR-015-4+B055		VFD TOWER FAN #3	ABB	2111500360	CHILLER ROOM		
	1200 14/14	Vachinatan Campanatian Campainian					
<u>019</u>	1200 W V	Vashington Corporation Commission					
, 	BUILDING	EANS					
VF019RF01	AHU #1	AHU 1 FAN, MOTOR & CONTROL	RELIANCE ELE	SF43468	RF ROOF		
V1013K101	. 110 #1	part of the motor a contract	MEEDAIVOE EEE	31 43400	j 11001		L
022	1275 W V	Vashington Attorney General					
<u></u>							
l .	BUILDING	FANS					
ACH550-BCR-072A-4+B055	_	VFD A/H #1	ABB	2111500322	1ST FLOOR E. SIDE		
ACH550-BCR-097A-4+B055	5	VFD A/H #2	ABB	2111404181	1ST FLOOR W. SIDE		
,					<u> </u>	<u> </u>	
<u>023</u>	<u>1101 W V</u>	Vashington Hall of Hame Museum					
	VARIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS					
VD023CT01		VFD FOR COOLING TOWER					
<u>027</u>	1789 W J	efferson Department of Economic Security					

	Equipment No.	Notes	<u>Description</u>	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
143 144		VADIADIE	SPEED/FREQUENCY DRIVE CONTROLLERS					
145	SS027CT01	# 1	SOFT START UNIT FOR CLG TWR FAN			COOLING TOWER	TWR FAN #1	
146	SS027CT01	# 2	SOFT START UNIT FOR CLG TWR FAN			COOLING TOWER	TWR FAN #2	
147	VD027CR04	# 4	VFD FOR CHILLED WATER PUMP # 4	ABB		CHILLER ROOM	@ CHW PUMP #4	
148	VD027CR05	# 5	VFD FOR CHILLED WATER PUMP # 5	ABB		CHILLER ROOM	@ CHW PUMP #5	
149	VD027RF01	SA-1	VFD FOR EAST AIR HANDLER SA FAN#1	ADD		RF ROOF	SOUTH EAST	
150	VD027RF02	SA-2	VFD FOR EAST AIR HANDLER SA FAN#2			RF ROOF	SOUTH EAST	
151	VD027RF03	3A 2	VFD FOR WEST AIR HANDLER SA FAN#1			RF ROOF	NORTH WEST	
152	VD027RF04		VFD FOR WEST AIR HANDLER SA FAN#2			RF ROOF	NORTH WEST	
153	VD02711104	BUILDING			1	III IIOOI	NONTH WEST	
154	VF027RF01	SA-1	EAST AIR HANDLER SA FAN#1	JOY		RF ROOF	SOUTH EAST	
155	VF027RF02	SA-2	EAST AIR HANDLER SA FAN#2	JOY		RF ROOF	SOUTH EAST	
156	VF027RF03	JA Z	WEST AIR HANDLER SA FAN#1	JOY		RF ROOF	NORTH WEST	
157	VF027RF04		WEST AIR HANDLER SA FAN#2	JOY		RF ROOF	NORTH WEST	
158	V1 0271(1 04	ļ.	WEST AIRTIAINDEER SATAINEZ	301	+	III IIOOI	NONTH WEST	ļ
159	028	1645 W I	efferson Corrections					
160	<u>020</u>	1045 11 30	energon corrections					
161		VARIARIE	SPEED/FREQUENCY DRIVE CONTROLLERS					
162	VD028B101	VARIABLE	VARIABLE FREQUENCY DRIVE -	ABB	2040700299	B1 BASEMENT		
	VD020B101		BOOSTER PUMP	ADD	2040700233	DI BASEIVIEIVI		
163	VD028RF01	RA	VARIABLE FREQUENCY DRIVE -	ABB	2040700307	PENTHOUSE		
	VD020111 01	N/A	ROOF RETURN FAN	ADD	2040700307	LIVITIOUSE		
164	VD028RF02	SA	VARIABLE FREQUENCY DRIVE -	ABB	2040601423	PENTHOUSE		
	VD020M 02	3A	ROOF SUPPLY FAN	ADD	2040001423	FEINTHOOSE		
165		BUILDING		 	1	1		
166	VF028RF01	RA	IN LINE AXIAL VANE FAN - RA			PENTHOUSE		
167	VF028RF02	SA	IN LINE AXIAL VANE FAN - SA			RF ROOF		
168	V1 0201(1 02	3A	IN LIVE AXIAL VAIVE FAIV		1	III IIOOI		
169	029	1601 W I	efferson Corrections					
170	<u>025</u>	1001 11 3	- Corrections					
171		VARIARIE	SPEED/FREQUENCY DRIVE CONTROLLERS					
172	VD029B101	VARIABLE	VARIABLE FREQUENCY DRIVE FOR	ABB	2040700302	B1 BASEMENT		
	100230101		BOOSTER PUMP	7.00	2040700302	DI BAGEMENT		
173	VD029RF01	# 1 SA	VARIABLE FREQUENCY DRIVE FOR	ABB	2040700305	RF ROOF		
-	. 2023111 01	" 1 3/4	A/H 1 SUPPLY FAN	7,00	_0,0,00303	1.001		
174	VD029RF02	# 2 SA	VARIABLE FREQUENCY DRIVE FOR	ABB	2040700303	RF ROOF		
	7202311102	2 57 .	A/H 2 SUPPLY FAN	,,,,,,	20 107 00303			
175	VD029RF03	# 1 RA	VARIABLE FREQUENCY DRIVE FOR	ABB	2050201054	RF ROOF		
	VB025111 05	<i>n</i> ± 10 t	A/H 1 RETURN FAN	7.00	2030201034			
176	VD029RF04	# 2 RA	VARIABLE FREQUENCY DRIVE FOR	ABB	2050201052	RF ROOF		
	VD025111 04	# 2 104	A/H 2 RETURN FAN	ADD	2030201032	M NOO!		
177			A/II Z KETOKNITAN	 	1	1		
178	030	1601M W	Jefferson 1601 Mechanical Building					
179		TOOTINI VV	Total Total Medianical Bunding					
180		VADIADI	SPEED/FREQUENCY DRIVE CONTROLLERS					
181	VD030CR01	# 1	VSD_FOR COOLING TOWER FAN #1	ABB				
182	VD030CR01 VD030CR02	# 2	VSD FOR COOLING TOWER FAN #1	ABB	+	<u> </u>		
183	ACH550-VCR-023A-4	# 3	VSD FOR COOLING TOWER FAN #2 VSD FOR COOLING TOWER FAN #3	ABB	2094801625			
184	AC11330-VCN-023A-4	# 3	1935 TON COOLING TOWER FAIN #3	ADD	2034001023	1		1

185

Equipment	<u>Notes</u>	<u>Description</u>	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
<u>No.</u> 36							
37 <u>031</u>	1535 W Je	efferson Department of Education					
38							
39	VARIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS	T	T	T	T	T
VD031B101		VARIABLE FREQUENCY DRIVE FOR HVAC	ABB	2040700311	B1 BASEMENT		
91 VD031RF01		BOOSTER PUMP	ADD	2040700424	DE DOOF		
VD031RF01		VARIABLE FREQUENCY DRIVE FOR A/H 1 SUPPLY FAN	ABB	2040700434	RF ROOF		
92 VD031RF02		VARIABLE FREQUENCY DRIVE FOR	ABB	2050201056	RF ROOF		
VD031111 02		A/H 1 RETURN FAN	ADD	2030201030	M NOO!		
93 VD031RF03		VARIABLE FREQUENCY DRIVE FOR	ABB	2040700439	RF ROOF		
		A/H 2 SUPPLY FAN					
VD031RF04		VARIABLE FREQUENCY DRIVE FOR	ABB	2050201055	RF ROOF		
		A/H 2 RETURN FAN					
95							
96 <u>038</u> 97		dams DataCenter					
98 ACH550-VCR-072A-4	VARIABLE	VARIABLE FREQUENCY DRIVE VARIABLE FREQUENCY DRIVE	ABB	213904632	1	1	
ACH55U-VCR-U72A-4			ABB	213904632			
99		FOR A/H 1 SUPPLY FAN		1			
00 <u>052</u>	416 W Co	ngress Tucson Office Building (West)					
)1	410 11 00	ingress rueson office building (west)					
)2	VARIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS					
VD052LE01		VFD FOR AHU #1 25 HP	ABB	176240	LE LOWER LEVEL EAST	EQUIPMENT ROOM	
04	BUILDING						-
VF052AH01	AHU #1	SUPPLY AIR FAN FOR AHU #1					
VF052AH02	AHU #2	SUPPLY AIR FAN FOR AHU #2					
07							
08 <u>053</u> 09	402 W Co	ngress Tucson Office Building (South)					
10	VADIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS					
I1 VD053B101	AHU #1	VARIABLE SPEED DRIVE VD-1 40 HP	ABB	173762	B1 BASEMENT	MR MECHANICAL ROOM	
VD053B101 VD053B102	AHU #2	VARIABLE SPEED DRIVE VD-1 40 HP	ABB	173763	B1 BASEMENT	MR MECHANICAL ROOM	
13	BUILDING		7100	173703	DI BAGEMENT	WIN WEET WIND A TOO W	ļ.
VF053AH01	AHU #1	SUPPLY AIR FAN FOR AHU #1					
VF053AH02							
VEUJSATIUZ	AHU #2	SUPPLY AIR FAN FOR AHU #2					
16	AHU #2						
16 17 <u>054</u>							
16 17 <u>054</u> 18	400 W Co	SUPPLY AIR FAN FOR AHU #2 ngress Tucson Office Building (North)					
16 17 <u>054</u> 18	400 W Co	SPEED/FREQUENCY DRIVE CONTROLLERS					
16 17 <u>054</u> 18	400 W Co	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3	ABB	174802	CR CHILLER ROOM		
16 054 18 19 VD054CR01	400 W Co	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3 TOWER 25 HP					
16 17 <u>054</u> 18	400 W Co	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3 TOWER 25 HP VARIABLE SPEED CONTROLLER VFD-4	ABB ABB	174802 174804	CR CHILLER ROOM		
16 054 18 19	400 W Co	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3 TOWER 25 HP VARIABLE SPEED CONTROLLER VFD-4 TOWER 25 HP	ABB	174804	CR CHILLER ROOM		
16 054 18 19 VD054CR01	400 W Co	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3 TOWER 25 HP VARIABLE SPEED CONTROLLER VFD-4 TOWER 25 HP VARIABLE FREQUENCY DRIVE VFD-1					
16 054 18 19 19 120 VD054CR01 121 VD054CR02 VD054PH01	400 W Co VARIABLE	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3 TOWER 25 HP VARIABLE SPEED CONTROLLER VFD-4 TOWER 25 HP VARIABLE FREQUENCY DRIVE VFD-1 AHU #1 125 HP	ABB ROBICON	174804 A090900-001	CR CHILLER ROOM PH PENTHOUSE		
16 054 18 19	400 W Co	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3 TOWER 25 HP VARIABLE SPEED CONTROLLER VFD-4 TOWER 25 HP VARIABLE FREQUENCY DRIVE VFD-1 AHU #1 125 HP VARIABLE FREQUENCY DRIVE VFD-2	ABB	174804	CR CHILLER ROOM		
16 054 18 19 19 120 VD054CR01 121 VD054CR02 VD054PH01	400 W Co VARIABLE # 1	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3 TOWER 25 HP VARIABLE SPEED CONTROLLER VFD-4 TOWER 25 HP VARIABLE FREQUENCY DRIVE VFD-1 AHU #1 125 HP VARIABLE FREQUENCY DRIVE VFD-2 AHU#2 125 HP	ABB ROBICON	174804 A090900-001	CR CHILLER ROOM PH PENTHOUSE		
16 054 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	400 W Co VARIABLE	SUPPLY AIR FAN FOR AHU #2 Ingress Tucson Office Building (North) SPEED/FREQUENCY DRIVE CONTROLLERS VARIABLE SPEED CONTROLLER VFD-3 TOWER 25 HP VARIABLE SPEED CONTROLLER VFD-4 TOWER 25 HP VARIABLE FREQUENCY DRIVE VFD-1 AHU #1 125 HP VARIABLE FREQUENCY DRIVE VFD-2 AHU#2 125 HP	ABB ROBICON	174804 A090900-001	CR CHILLER ROOM PH PENTHOUSE		

	<u>Equipment</u>	<u>Notes</u>	Description	Manufacturer	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.							
227								
228								
229		134 250 N 17t	h Avenue State Health Laboratory					
230								
231		AIR HAND	<u>DLER</u>					
232	AH1340201		HUMIDIFIER	PH	H2-1	02 SECOND FLOOR	FREEZER FARM	
233		VARIABLE	SPEED/FREQUENCY DRIVE CONTROLLERS					
234	DC1340108		VARIABLE FREQUENCY DRIVE FOR AHU8	ABB	VFD-8	01 FIRST FLOOR		
235	DC1340109		VARIABLE FREQUENCY DRIVE FOR AHU9	ABB	VFD-9	01 FIRST FLOOR		
236	DC1340110		VARIABLE FREQUENCY DRIVE FOR SCHUP-1	ABB	VFD-10	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
237	DC1340111		VARIABLE FREQUENCY DRIVE FOR SCHWP-2	ABB	VFD-11	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
238	DC1340112		VARIABLE FREQUENCY DRIVE FOR SCHWP-3	ABB	VFD-12	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
239	DC1340116		VARIABLE FREQUENCY DRIVE FOR CT-1	ABB	VFD-16	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
240	DC1340117		VARIABLE FREQUENCY DRIVE FOR CT-2	ABB	VFD-17	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
241	DC1340118		VARIABLR FREQUENCY DRIVE FOR CT-3	ABB	VFD-18	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
242	DC1340131		VARIABLE FREQUENCY DRIVE	RELIANCE ELE	VFD-31	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
243	DC1340132		VARIABLE FREQUENCY DRIVE	RELIANCE ELE	VFD-32	01 FIRST FLOOR	1040B.1 ELECTRICAL RM	
244	DC134PH01		VARIABLE FREQUENCY DRIVE FOR AHU1	ABB	VFD-1	PH PENTHOUSE	WEST END	
245	DC134PH03		VARIABLE FREQUENCY DRIVE FOR AHU3	ABB	VFD-3	PH PENTHOUSE	WEST END	
246	DC134PH04		VARIABLE FREQUENCY DRIVE FOR AHU4	ABB	VFD-4	PH PENTHOUSE	CENTER	
247	DC134PH05		VARIABLE FREQUENCY DRIVE FOR AHU5	ABB	VFD-5	PH PENTHOUSE	CENTER	
248	DC134PH06		VARIABLE FREQUENCY DRIVE FOR AHU6	ABB	VFD-6	PH PENTHOUSE	CENTER	
249	DC134PH07		VARIABLE FREQUENCY DRIVE FOR AHU7	ABB	VFD-7	PH PENTHOUSE	CENTER	
250	DC134PH13		VARIABLE FREQUENCY DRIVE FOR SBP-1	ABB	VFD-13	PH PENTHOUSE	WEST END	
251	DC134PH14		VARIABLE FREQUENCY DRIVE FOR SBP-2	ABB	VFD-14	PH PENTHOUSE	WEST END	
252	DC134PH15		VARIABLE FREQUENCY DRIVE FOR SBP-3	ABB	VFD-15	PH PENTHOUSE	WEST END	
253	DC134PH19		VARIABLE FREQUENCY DRIVE FOR EF-1	ABB	VFD-19	PH PENTHOUSE		
254	DC134PH20		VARIABLE FREQUENCY DRIVE FOR EF-1A	ABB	VFD-20	PH PENTHOUSE		
255	DC134PH21		VARIABLE FREQUENCY DRIVE FOR EF-2	ABB	VFD-21	PH PENTHOUSE		
256	DC134PH22		VARIABLE FREQUENCY DRIVE FOR EF-2A	ABB	VFD-22	PH PENTHOUSE		
257	DC134PH23		VARIABLE FREQUENCY DRIVE FOR EF-3	ABB	VFD-23	PH PENTHOUSE	CENTER	
258	DC134PH24		VARIABLE FREQUENCY DRIVE FOR EF-3A	ABB	VFD-24	PH PENTHOUSE	CENTER	
259	DC134PH25		VARIABLE FREQUENCY DRIVE FOR EF-4	ABB	VFD-25	PH PENTHOUSE	CENTER	
260	DC134PH26		VARIABLE FREQUENCY DRIVE FOR EF-4A	ABB	VFD-26	PH PENTHOUSE	CENTER	
261	DC134PH27		VARIABLE FREQUENCY DRIVE FOR EF-5	ABB	VFD-27	PH PENTHOUSE	CENTER	
262	DC134PH28		VARIABLE FREQUENCY DRIVE FOR EF-5A	ABB	VFD-28	PH PENTHOUSE	CENTER	
263	DC134PH29		VARIABLE FREQUENCY DRIVE FOR EF-7	ABB	VFD-29	PH PENTHOUSE	WEST END	
264	DC134PH2A		VARIABLE FREQUENCY DRIVE FOR AHU2	ABB	VFD-2A	PH PENTHOUSE	EAST END	
265	DC134PH2B		VARIABLE FREQUENCY DRIVE FOR AHU2	ABB	VFD-2B	PH PENTHOUSE	EAST END	
266	DC134PH30		VARIABLE FREQUENCY DRIVE FOR EF-8	ABB	VFD-30	PH PENTHOUSE	CENTER	
267		EXHAUST						
268	EF134PH07		EXHAUST FAN-GENERAL EXHAUST	соок	EF-4	PH PENTHOUSE		
269	EF134PH08		EXHAUST FAN -GENERAL EXHAUST	СООК	EF-4A	PH PENTHOUSE		
270		INDOOR			1			
271	IU1340101		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC 1-1A	03 THIRD FLOOR	3105.1 TELECOM MDF	
272	IU1340102		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC 1-2A	01 FIRST FLOOR	1052.1 W TELECOM MDF	
273	IU1340103		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC1-3A	01 FIRST FLOOR	1052.1 W TELECOM MDF	
274	IU1340201		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC2-1A	01 FIRST FLOOR	1105.1 E TELECOM MDF	
275	IU1340301		COMPUTER ROOM A/C INDOOR UNIT	LIEBERT	CRAC 3-1A	01 FIRST FLOOR	1105.1 E TELECOM MDF	
276								

	Equipment	<u>Notes</u>	Description	<u>Manufacturer</u>	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
277	<u>No.</u> 140		1901 W Madison Polly Rosenbaum I	Ruilding				
070	240		1301 W Madison Folly Resemblant	<u>Sanania</u>				
278 279		VADIABLE	PEED/FREQUENCY DRIVE CONTROLLERS		1	T		7
280	VD1400101	VFD1	VFD 1 FOR AHU 1	1		01 FIRST FLOOR	126 MECH RM TWO	+
281	VD1400101 VD1400102	VFD2	VFD 2 FOR AHU 1			01 FIRST FLOOR	126 MECH RM TWO	†
282	VD1400103	VFD 1	VFD 1 FOR AHU 2			01 FIRST FLOOR	126 MECH RM TWO	7
283	VD1400104	VFD 2	VFD 2 FOR AHU 2			01 FIRST FLOOR	126 MECH RM TWO	7
284	VD1400201	VFD1	VFD 1 FOR AHU 3			02 SECOND FLR	225 FAN RM ONE]
285	VD1400202	VFD2	VFD 2 FOR AHU 3			02 SECOND FLR	225 FAN RM ONE	
286	VD1400203	VFD1	VFD 1 FOR AHU 4			02 SECOND FLR	225 FAN RM ONE	
287	VD1400204	VFD2	VFD 2 FOR AHU 4			02 SECOND FLR	225 FAN RM ONE	
288	VD1400205	VFD1	VFD 1 FOR AHU 5			02 SECOND FLR	231 FAN RM TWO	
289	VD1400206	VFD2	VFD 2 FOR AHU 5			02 SECOND FLR	231 FAN RM TWO	
290	DC1400201	RF 2-1	E7 DRIVE FOR RELEIF AIR FAN	YASKAWA		02 SECOND FLR	225 FAN RM ONE	
291	DC1400202	HWP 4	E7 DRIVE FOR HWP 4	YASKAWA		02 SECOND FLR	230 MECH RM THREE	
292	DC1400203	HWP 5	E7 DRIVE FOR HWP 5	YASKAWA		02 SECOND FLR	230 MECH RM THREE	
293	DC1400204	CHP 4	E7 DRIVE FOR CHP4	YASKAWA		02 SECOND FLR	130 MECH RM ONE	
294	DC1400205	CHP 5	E7 DRIVE FOR CHP 5	YASKAWA		02 SECOND FLR	130 MECH RM ONE	

	In Line Axial Vane Fan(s), Motor(s) & Control(s)		
Task No.	Description of Work Performed	Frequency	
1	Where the specified maintenance requirements differ from the equipment manufacturer's recommendations, the		
	manufacturer's recommended maintenance procedures shall take precedence.		
2	Observe that fan is operating properly without unusual noise, heat or vibration. Correct any problem(s)	M	
3	Check and adjust belt tension (where applicable) Look for wear and replace if cracked, frayed, or hardened	M	
4	Check fan bearing to make sure it is not running hot	M	
5	Wipe down motor and base	M	
6	Clean fan vents	Q	
7	Lube flush fan bearings, wipe grease off fittings	Q	
8	Clean motor vents	SA	
9	Megger motor windings	A	
10	Dynamic balance and tune	А	

D-Daily W-Weekly M-Monthly Q-Quarterly SA-Semi-annually A-Annually

	Variable Speed / Frequency Drives	
Task No.	Description of Work Performed	<u>Frequency</u>
1	Where the specified maintenance requirements differ from the equipment manufacturer's recommendations, the	
	manufacturer's recommended maintenance procedures shall take precedence.	
2	Maintenance shall include PROM Chip, Wiring, Microprocessors, Integrated Circuits, and all Electrical Components	M
3	Check fan bearing to make sure it is not running hot	M
4	Wipe down motor and base	M
5	Clean fan vents	Q
6	Lube flush fan bearings, wipe grease off fittings	Q
7	Clean motor vents	SA
8	Megger motor windings	Α

	Equipment	<u>Notes</u>	Description	<u>Manufacturer</u>	Serial No.	Sub-location 1	Sub-location 2	Sub-location 3
	No.							
325	9	Dynamic	balance and tune				Α	
326	D-Daily W-Weekly	M-Monthly	Q-Quarterly SA-Semi-annu	ually A-Annually			•	
327								
328				Exhaust Fans				
329	Task No.			Description of Work Performed			Frequency	
330	1	All maint	enance should be per manuf	facturer's latest recommended procedur	es for Cook s	eries CIC fans: 490 CIC CFE		
331	2	Check Mo	otor and amp draw				Q	
332	3	Grease m	notor Bearings				3 YR	
333	4	Check Fa	n Bearings					
334	5	Grease Fa	an Bearings				Q	
335	6	Inspect b	elts for wear and alignment				Q	
336	7	Inspect v	ariable inlet vanes				Q	
337	8	Inspect fo	or cleanliness				Q	
338	9	Check ele	ectrical connections in discor	nnect			Q	
339	10	Vibration	analysis on 4 & 4A	·			Α	
340	D-Daily W-Weekly	M-Monthly	Q-Quarterly SA-Semi-annu	ually A-Annually				•



5/12/2016

Dawn Slater State Of Arizona Dept Of Revenue 1600 W Monroe St Phoenix AZ 85007-2612

State Of Arizona ADOA 2016



Dear Dawn:

Thank you for choosing Johnson Controls to provide the maintenance solution for your facility. We appreciate your business and look forward to continuing as your building technology services partner.

Your current service agreement (1-19590959568) will expire on 05/20/2016. We are pleased to offer a one year continuation of your current agreement for the annual sum of \$760,400.00, to be paid monthly. The scope will remain the same and the term of this contract will be 05/21/2016 to 05/20/2017. Invoices will be sent to:

Arizona Department Of Administration 100 N 15th Ave Suite 202 Phoenix AZ 85007

To continue service without interruption, please sign below and return to me by 4/20/2016. If you require us to reference a requisition or purchase order on our invoices, please provide a copy of that document when you return this signed notice.

As a manufacturer of mechanical, controls, security and fire systems, we have the expertise and resources to provide proper maintenance and repair services for your facility. With planned service you're getting a solution that can help optimize your building's performance, provide dependability, sustainability and energy efficiency. Your service is delivered with the attention of a local service company backed by the resources of a global organization.

Sincerely, Johnson Controls	Customer Signature:	
Robert Maroni JOHNSON CONTROLS PHOENIX AZ CB -	Customer Name:	
0N0J 2032 W 4th St	Customer Title:	
Tempe AZ 85281-7206 Robert.J.Maroni@JCI.com		
Phone: 480-446-2619	PO/Requisition #:	



5/6/2016

Dawn Slater State Of Arizona Dept Of Revenue 1600 W Monroe St Phoenix AZ 85007-2612

State Of Arizona State Fair Grounds 2016-17



Dear Dawn:

Thank you for choosing Johnson Controls to provide the maintenance solution for your facility. We appreciate your business and look forward to continuing as your building technology services partner.

Your current service agreement (1-19590789268) will expire on 05/20/2016. We are pleased to offer a one year continuation of your current agreement for the annual sum of \$80,688.96, to be paid monthly. The scope will remain the same and the term of this contract will be 05/21/2016 to 05/20/2017. Invoices will be sent to:

State of Arizona State Fair Grounds 1826 W. McDowell RD Phoenix, AZ 85007

To continue service without interruption, please sign below and return to me by 4/20/2016. If you require us to reference a requisition or purchase order on our invoices, please provide a copy of that document when you return this signed notice.

As a manufacturer of mechanical, controls, security and fire systems, we have the expertise and resources to provide proper maintenance and repair services for your facility. With planned service you're getting a solution that can help optimize your building's performance, provide dependability, sustainability and energy efficiency. Your service is delivered with the attention of a local service company backed by the resources of a global organization.

Sincerely, Johnson Controls	Customer Signature:	
Robert Maroni JOHNSON CONTROLS PHOENIX AZ CB -	Customer Name:	
0NOJ		
2032 W 4th St	Customer Title:	
Tempe AZ 85281-7206		
Robert.J.Maroni@jci.com	DO/D : ::: "	
Phone: (480)446-2619	PO/Requisition #:	



5/6/2016

Dawn Slater State Of Arizona Industrial Commission 800 W Washington St Phoenix AZ 85007-2934

State Of Arizona Industrial Commision 2016-17



Dear Dawn:

Thank you for choosing Johnson Controls to provide the maintenance solution for your facility. We appreciate your business and look forward to continuing as your building technology services partner.

Your current service agreement (1-19590586902) will expire on 05/20/2016. We are pleased to offer a one year continuation of your current agreement for the annual sum of \$93,346.00, to be paid monthly. The scope will remain the same and the term of this contract will be 05/21/2016 to 05/20/2017. Invoices will be sent to:

Arizona Department Of Administration 100 N 15th Ave Suite 202 Phoenix AZ 85007

To continue service without interruption, please sign below and return to me by 4/20/2016. If you require us to reference a requisition or purchase order on our invoices, please provide a copy of that document when you return this signed notice.

As a manufacturer of mechanical, controls, security and fire systems, we have the expertise and resources to provide proper maintenance and repair services for your facility. With planned service you're getting a solution that can help optimize your building's performance, provide dependability, sustainability and energy efficiency. Your service is delivered with the attention of a local service company backed by the resources of a global organization.

Sincerely, Johnson Controls	Customer Signature:	
Robert Maroni	Customer Name:	
JOHNSON CONTROLS PHOENIX AZ CB - 0N0J 2032 W 4th St	Customer Title:	
Tempe AZ 85281-7206 Robert.J.Maroni@jci.com Phone: (480)446-2619	PO/Requisition #:	



5/6/2016

Dawn Slater State Of Arizona State Health Lab 250 N 17th Ave Phoenix AZ 85007-3231

State Of Arizona State Health Lab 2016-17



Dear Dawn:

Thank you for choosing Johnson Controls to provide the maintenance solution for your facility. We appreciate your business and look forward to continuing as your building technology services partner.

Your current service agreement (1-19593438745) will expire on 05/20/2016. We are pleased to offer a one year continuation of your current agreement for the annual sum of \$113,073.84, to be paid monthly. The scope will remain the same and the term of this contract will be 05/21/2016 to 05/20/2017. Invoices will be sent to:

Arizona Department Of Administration 100 N 15th Ave Suite 202 Phoenix AZ 85007

To continue service without interruption, please sign below and return to me by 4/20/2016. If you require us to reference a requisition or purchase order on our invoices, please provide a copy of that document when you return this signed notice.

As a manufacturer of mechanical, controls, security and fire systems, we have the expertise and resources to provide proper maintenance and repair services for your facility. With planned service you're getting a solution that can help optimize your building's performance, provide dependability, sustainability and energy efficiency. Your service is delivered with the attention of a local service company backed by the resources of a global organization.

Sincerely, Johnson Controls	Customer Signature:	
Robert Maroni	Customer Neme	
JOHNSON CONTROLS PHOENIX AZ CB - 0N0J	Customer Name:	
2032 W 4th St Tempe AZ 85281-7206 Robert.J.Maroni@jci.com	Customer Title:	
Phone: (480)446-2619	PO/Requisition #:	