

Capital Area Transportation Authority



AMENDMENT NO. 2 TO SOLICITATION HVAC PREVENTATIVE MAINTENANCE AND SERVICE

1. AMENDMENT NO: 2	2. SOLICITATION NO: RFQ 2018-103	3. SOLICITATION NAME: HVAC Preventative Maintenance & Service	4. AMENDMENT DATE: February 12, 2018
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5. ISSUED BY

Capital Area Transportation Authority
Purchasing and Contracts Department
4615 Tranter Street
Lansing, MI 48910

PLEASE NOTE: Contractor is required to sign this document and return it with the bid/proposal/quote.

6. DESCRIPTION OF AMENDMENT:

- a. Revised Attachment 1, "Equipment List" is attached.
- b. Bids Due date has been changed from **2:00PM on Tuesday, February 13, 2018** to **2:00PM on Thursday, February 15, 2018.**
- c. All other terms and conditions remain unchanged.

NAME / TITLE OF OFFEROR (Type or Print)	COMPANY NAME
(Signature of person authorized to sign)	(Date Signed)

CATA HVAC EQUIPMENT LIST

4615 TRANTER ADMINISTRATION

BOILER	LOCATION	AREA SERVED	QTY	MAKE	MODEL	STATE #	YEAR
#1	ADMIN SECOND FLOOR	ADMIN SECOND FLOOR	1	LOCHINVAR	EBN 350	M 377317M	2006
#2	MAINTENANCE AREA	1ST FLOOR ADMIN	1	LOCHINVAR	CNH 650	M377317M	2011

RTU	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR	
RTU 1	ADMIN. ROOF	20 X 25 X 2 X 20 X 2	20 4	4 4	TRANE	YCH210C4LOEA	618100603D	2006
RTU 2	ADMIN. ROOF	20 X 25 X 2 X 20 X 2	20 4	4 4	TRANE	YCD3000B4LOHB	618100599D	2006
RTU 3	ADMIN. ROOF	20 X 25 X 2	8	8	TRANE	YCH240B4LOJB	618100606D	2006
RTU 4	ADMIN. ROOF	20 X 25 X 2	8	8	TRANE	YCH300B4LOHB	552101189D	2006
RTU 5	ADMIN. ROOF	20 X 25 X 2	4	4	TRANE	YSC120A4RLA08GB	522101223L	2006

Liebert cooling units	IT ROOM	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
LCU1	IT ROOM	20 X 20 X 1	1	Liebert	MM020W2P0000	0128N0275	1997
LCU 2	IT ROOM	20 X 20 X 1	1	Liebert	MM020W2P0000	0128N0275	1997

MUA	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR	
MUA 1	ADMIN. ROOF	20 X 25 X 2	8	8	TRANE	YFH180E4VOB	101010344D	2010

EF	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
EF 1	ADMIN. ROOF	N/A	N/A	Greenheck	GB-081-4-X	05L16658	2006
EF 2	ADMIN. ROOF	N/A	N/A	Greenheck	GB-101-3-X	05L16695	2006
EF 3	ADMIN. ROOF	N/A	N/A	Greenheck	GB-081-4-X	05L16659	2006
EF 4	ADMIN. ROOF	N/A	N/A	Greenheck	GB-081-4-X	05L16659	2006
EF 5	ADMIN. ROOF	N/A	N/A	Greenheck	GB-081-4-X	05L16661	2006
EF 6	ADMIN. ROOF	N/A	N/A	Greenheck	GB-081-4-X	05L16660	2006
EF 7	ADMIN. ROOF	N/A	N/A	Greenheck	GB-081-4-X	05L16660	2006

CATA HVAC EQUIPMENT LIST

VAV	LOCATION Floor/Room #	FILTER SIZE	CFM	MAKE	MODEL #	SERIAL #	YEAR
VAV 1-1	1st floor 165	12.5 X 14	1200		FDV500030122R	44271217	2006
VAV 2-1	1st floor 165	10 X 12	400		FDV500020102R	45271217	2006
VAV 3-1	1st floor 165	15 X 16	1950		FDV500040122R	46271217	2006
VAV 4-1	1st floor 162	12.5 X 14	1050		FDV500030122R	47271217	2006
VAV 5-1	1st floor 163	12.5 X 14	850		FDV500030122R	48271217	2006
VAV 6-1	1st floor 162	10 X 12	300		FDC500020082R	51271217	2006
VAV 7-1	1st floor 158	12.5 X 14	1250		FDV500030122R	49271217217	2006
VAV 8-1	1st floor 162	12.5 X 14	700		FDV500030122R	50271217	2006
VAV 9-1	1st floor 154	NO FILTER	2800		SDV5000	N / A	2006
VAV10-1	1st floor 142	12.5 x 14	500		FDV500030122R	07090218	2006
VAV11-1	1st floor 144	NO FILTER	200		SDV5000	N / A	2006
VAV12-1	1st floor 140	12.5 x 14	900		FDV500030122R	08090218	2006
VAV13-1	1st floor 132	15 X 16	1500		FDV500040122R	09090218	2006
VAV14-1	1st floor 124	12.5 x 14	950		FDV500030122R	10090218	2006
VAV15-1	1st floor 116	12.5 x 14	1100		FDV500030122R	11090218	2006
VAV16-1	1st floor 106	12.5 x 14	1050		FDV500030122R	12090218	2006
VAV17-1	1st floor 112	NO FILTER	350		SDV5000	N / A	2006
VAV18-1	1st floor 109	NO FILTER	950		SDV5000	N / A	2006
VAV19-1	1st floor 112	NO FILTER	250		SDV5000	N / A	2006
VAV20-1	1st floor 112	NO FILTER	200		SDV5000	N / A	2006
VAV21-1	1st floor 112	NO FILTER	350		SDV5000	N / A	2006
VAV22-1	1st floor 112	NO FILTER	250		SDV5000	N / A	2006
VAV23-1	1st floor133	NO FILTER	100		SDV5000	N / A	2006
VAV24-1	1st floor112	NO FILTER	200		SDV5000	N / A	2006
VAV25-1	1st floor139	NO FILTER	350		SDV5000	N / A	2006
VAV 1-2	2nd floor 210	10 X 12	500		FDV500020102R	13090218	2006
VAV 2-2	2nd floor 204	10 X 12	500		FDV500020102R	14090218	2006
VAV 3-2	2nd floor 206	12.5 x 14	1000		FDV500030122R	15090218	2006
VAV 4-2	2nd floor 214	12.5 x 14	900		FDV500030122R	16090218	2006
VAV 5-2	2nd floor 213	15 X 16	1550		FDV500040142R	17090218	2006
VAV 6-2	2nd floor 215	12.5 x 14	200		FDC5000	91170218	2006
VAV 7-2	2nd floor 218	12.5 x 14	1250		FDV500030122R	18090218	2006
VAV 8-2	2nd floor 218	12.5 x 14	1200		FDV500030122R	CANT GET TO	2006
VAV 9-2	2nd floor 221	10 X 12	500		FDV500020102R	20090218	2006
VAV 10-2	2nd floor 220	12.5 x 14	750		FDV500030122R	21090218	2006
VAV 11-2	2nd floor228	10 X 12	500		FDV500020102R	22090218	2006
VAV 12-2	2nd floor 228	10 X 12	600		FDV500020102R	23090218	2006
VAV 13-2	2nd floor 233	12.5 x 14	1200		FDV500030122R	24090218	2006
VAV 14-2	2nd floor 234	12.5 x 14	1000		CANT GET TO	CANT GET TO	2006
VAV 15-2	2nd floor 233	NO FILTER	300		SDV5000	N / A	2006

CATA HVAC EQUIPMENT LIST

4615 TRANTER MAINTENANCE AREA

RTU	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
RTU 1	MAINT. ROOF	?		TRANE	GRAA12P	F11F03685	2012
RTU 2	MAINT. ROOF	20 X 20 X 1	1	TRANE	YCC018F1L0BJ	4033NF62H	2004
RTU 3	MAINT. ROOF	20 X 25 X 1	2	TRANE	YHC048A3ENA1AB00 000000600	404100883L	2004
RTU 4	MAINT. ROOF	20 X 12 X 1	2	CARRIER	48SD-030060301	4906G41129	2004
MUA	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
MUA 1	MAINT. ROOF	20 X 25 X 2	9	RUPP AIR	RAM 18	260375	2004
MUA 2	MAINT. ROOF	20 X 25 X 2	9	RUPP AIR	RAM 18	260375	2004
MUA 3	MAINT. ROOF	20 X 25 X 2	9	RUPP AIR	RAM 20	260375	2004
MUA 4	MAINT. ROOF	20 X 25 X 2	12	RUPP AIR	RAM 25	229061	2004
MS	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
MS 1	Garage	Mini Split		EMI	MH2D9200AA0000J	1-99-C-6925-11	1999
					WHP 1D320BA000C	1-99-D-8583-15	1999
MS 2	Garage	Mini Split		Stulz	OHS-012-AS	10014103	2012
MS 3	Garage	Mini Split		EMI	S1G200D10	2612F013379	2012
DH	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
DH 1	FACILITY AREA	?		Trane	GA-320 GA-640	18508	2012
DH 2	STORAGE AREA	?		Trane	GA-320 GA-640	18508	2012
DH 3	MAINT. ROOF	20 X 25 X 2	4	Rupp Air Systems	RAM 15	229061	2004
DH 4	MAINT. ROOF	20 X 25 X 2	4	Rupp Air Systems	RAM 15	229061	2004
DH 5	MAINT. ROOF	20 X 25 X 2	4	Rupp Air Systems	RAM 15	229061	2004
DH 6	MAINT. ROOF	20 X 25 X 2	4	Rupp Air Systems	RAM 15	229061	2004
DH 7	MAINT. ROOF	20 X 25 X 2	4	Rupp Air Systems	RAM 15	229061	2004
DH 8	MAINT. ROOF	20 X 25 X 2	4	Rupp Air Systems	RAM 15	229061	2004
UH	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
GUH 1	Garage	Unit Heater		Reznor	FT 250	AXC71U6N52927X	1998
GUH 2	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53089X	1998
GUH 3	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53084X	1998
GUH 4	Garage	Unit Heater		Reznor	FT 150	AXC71U2N38388X	1998
GUH 5	Garage	Unit Heater		Reznor	FT 250	AXC71U2N53088X	1998

CATA HVAC EQUIPMENT LIST

4615 TRANTER MAINTENANCE AREA

GUH 6	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53082X	1998
GUH 7	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53096X	1998
GUH 8	Garage	Unit Heater		Reznor	FT 300	AXB71U6N49981X	1998
GUH 9	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53090X	1998
GUH 10	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53094X	1998
GUH 11	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53086X	1998
GUH 12	Garage	Unit Heater		Sterling	FT 250	?	2004
GUH 13	Garage	Unit Heater		Sterling	FT250	?	2004
GUH 14	Garage	Unit Heater		Reznor	FT 150	AXA71U2N41413X	1998
GUH 15	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53092X	1998
GUH 16	Garage	Unit Heater		Sterling	FT 250	?	2004
GUH 17	Garage	Unit Heater		Reznor	FT 150	AXC71U2N52927X	1998
GUH 18	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53083X	1998
GUH 19	Garage	Unit Heater		Reznor	FT 250	AXC71U6N52490X	1998
GUH 20	Garage	Unit Heater		Reznor	FT 150	AXC71U2N53091X	1998
GUH 21	Garage	Unit Heater		Reznor	FT 150	?	1998
GUH 22	Garage	Unit Heater		Sterling	FT 150	?	2004
GUH 23	Garage	Unit Heater		Sterling	FT150	?	2004

TH	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
TH 1	Garage	Tube Heater		Re-Verber-Ray	HL2-20-100W	0402INTL559740002	2004
TH 2	Garage	Tube Heater		Re-Verber-Ray	HL2-20-100W	0402INTL559740002	2004
TH 3	Garage	Tube Heater		Re-Verber-Ray	HL2-20-100W	0402INTL559740002	2004
TH 4	Garage	Tube Heater		Re-Verber-Ray	HL2-20-100W	0402INTL559740002	2004
TH 5	Garage	Tube Heater		Re-Verber-Ray	HL2-20-100W	0402INTL559740002	2004

EF	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
EF 1	Garage	Exhaust Fan		Centri Master	NO TAG	NO TAG	
EF 2	Garage	Exhaust Fan		Centri Master	NO TAG	NO TAG	
EF 3	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 4	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 5	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 6	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 7	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 8	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 9	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	

CATA HVAC EQUIPMENT LIST

4615 TRANTER MAINTENANCE AREA

EF 10	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 11	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 12	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 13	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 14	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 15	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 16	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 17	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 18	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 19	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 20	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 21	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 22	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 23	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 24	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 25	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 26	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 27	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 28	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 29	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 30	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 31	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 32	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	
EF 33	Garage	Exhaust Fan		NO TAG	NO TAG	NO TAG	

CATA HVAC EQUIPMENT LIST

4615 TRANTER BUS STORAGE AREA

MUA	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
MUA 1	STORAGE AREA	16 X 20 X 2	35	TRANE	DFIA2221F*NE1APM 22*DB**ABACAJAZA LAN	F10G05268	2010
MUA 2	STORAGE AREA	16 X 20 X 2	35	TRANE	DFIA2221F*NE1APM 22*DB**ABACAJAZA LAN	F10F03875	2009
MUA 3	STORAGE AREA	16 X 20 X 2	35	TRANE	DFIA2221F*NE1APM 22*DB**ABACAJAZA LAN	F10F03876	2009
MUA 4	STORAGE AREA	16 X 20 X 2	35	TRANE	DF1-222-HRB	20110018823001-01	2012
MUA 5	STORAGE AREA	16 X 20 X 2	35	TRANE	DF1-222-HRB	20110018823001-02	2012
UH	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
UH 1	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A		2010
UH 2	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A		2010
UH 3	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A		2010
UH 4	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A		2010
UH 5	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A*		2010
UH 8	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A*		2010
UH 9	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A*		2010
UH 10	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A*		2010
UH 11	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A*		2010
UH 12	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A*		2010
UH 13	STORAGE AREA	Unit Heater		Trane	GKND030CEG1000A*		2010
DUH	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
DUH 1	STORAGE AREA	Door Heater		Trane	GA-320 GA-640	18508	2012
DUH 2	STORAGE AREA	Door Heater		Trane	GA-320 GA-640	18508	2012
DUH 3	STORAGE AREA	Door Heater		Trane	GA-320 GA-640	18508	2012
DUH 4	STORAGE AREA	Door Heater		Trane	GA-320 GA-640	18508	2012
EF	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
EF 1	Bus Storage	Exhaust Fan		Greenheck	VK-H10-H15-X	122154311009	2010
EF 2	Bus Storage	Exhaust Fan		Greenheck	VK-H10-H15-X	122154341009	2010

CATA HVAC EQUIPMENT LIST

4615 TRANTER BUS STORAGE AREA

EF 3	Bus Storage	Exhaust Fan		Greenheck	VK-H24-A75-X	122154321009	2010
EF 4	Bus Storage	Exhaust Fan		Greenheck	VK-H24-A75-X	122154351009	2010
EF 5	Bus Storage	Exhaust Fan		Greenheck	VK-H24-A75-X	122154331009	2010
EF 6	Bus Storage	Exhaust Fan		Twin city	245C24-TFE	H11-398364-1-1	2012
EF 7	Bus Storage	Exhaust Fan		Twin city	245C24-TFE	H11-398364-1-2	2012
EF 8	Bus Storage	Exhaust Fan		Twin city	164-QSTR	H11398364-2-1	2012
EF 9	Bus Storage	Exhaust Fan		Twin city	245C24-TFE	H11-398364-1-4	2012
EF 10	Bus Storage	Exhaust Fan		Twin city	245C24-TFE	H11-398364-1-5	2012
EF 11	Bus Storage	Exhaust Fan		Twin city	245C24-TFE	H11-398364-1-6	2012
EF 12	Bus Storage	Exhaust Fan		Twin city	182C13-TFE	H11-398364-3-1	2012
EF 22	Bus Storage	Exhaust Fan		Greenheck	GB-240-20-X	02A25343	2002
EF 23	Bus Storage	Exhaust Fan		Greenheck	GB-240-20-X	02A25346	2002
EF 24	Bus Storage	Exhaust Fan		Greenheck	GB-240-20-X	02A25347	2002
EF 25	Bus Storage	Exhaust Fan		Greenheck	GB-240-20-X	02A25345	2002
EF 26	Bus Storage	Exhaust Fan		Greenheck	GB-240-20-X	02A25345	2002
EF 27	Bus Storage	Exhaust Fan		Greenheck	GB-240-20-X	02A25345	2002
EF 28	Bus Storage	Exhaust Fan		Greenheck	GB-240-20-X	02A25345	2002
HLC	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
HLC 1	Bus Storage	High Level Circulator			HLC-30-5R	2011-00-18508001	2012
HLC 2	Bus Storage	High Level Circulator			HLC-30-5R	2011-00-18508002	2012
HLC 3	Bus Storage	High Level Circulator			HLC-30-5R	2011-00-18508003	2012
HLC 4	Bus Storage	High Level Circulator			HLC-30-5R	2011-00-18508004	2012
HLC 5	Bus Storage	High Level Circulator			HLC-30-5R	2011-00-18508005	2012
HLC 6	Bus Storage	High Level Circulator			HLC-30-5R	2011-00-18508006	2012

CATA HVAC EQUIPMENT LIST

420 SOUTH GRAND AVE CTC

RTU	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
RTU 1	Roof	20 X 20 X 2	Roof	Carrier	48TMF012-601HQ	0708G11486	2006
RTU 2	Roof	20 X 20 X 2	Roof	Carrier	48TMF012-601HQ	0708G11482	2006
RTU 3	Roof	20 X 20 X 2	Roof	Carrier	48TMF012-601HQ	0708G11484	2006
RTU 4	Roof	20 X 20 X 2	Roof	Carrier	48TMF012-601HQ	0708G11484	2006
RTU 5	Roof	20 X 20 X 2	Roof	Carrier	48TMF012-601HQ	0708G11488	2006
RTU 6	Roof	20 X 20 X 2	Roof	Carrier	48TMF012-601HQ	0708G1148	2006

EF	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
EF 1	Roof	Exhaust Fan		Loren	100C3B		1998
EF 2	Roof	Exhaust Fan		Loren	100C3B		1998
EF 3	Roof	Exhaust Fan		Loren	100C3B		1998

VAV	LOCATION	FILTER SIZE	QTY	MAKE	MODEL #	SERIAL #	YEAR
VAV 1	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 2	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 3	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 4	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 5	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 6	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 7	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 8	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 9	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 10	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 11	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 12	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 13	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 14	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 15	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 16	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 17	Ceiling	N/A		N/A	N/A	N/A	1998
VAV 18	Ceiling	N/A		N/A	N/A	N/A	1998

CATA HVAC EQUIPMENT LIST

420 SOUTH GRAND AVE CTC

MS	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
MS 1	Computer room	Mini Split		EMI	S1HA800D10	1-08-B-4506-06	1998
MS 2	Information Booth	Mini Split		EMI	S1HA800010	1-08-B-4506-06	1998
CP	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
CP 6	Basement	N/A		Bell & Gossett	N/A	N/A	1998
CP 7	Basement	N/A		Bell & Gossett	N/A	N/A	1998
CP 8	Basement	N/A		Bell & Gossett	N/A	N/A	1998
CP 9	Basement	N/A		Bell & Gossett	N/A	N/A	1998
CP 10	Basement	N/A		Bell & Gossett	N/A	N/A	1998
CP 11	Basement	N/A		Bell & Gossett	N/A	N/A	1998
CP 12	Basement	N/A		Bell & Gossett	N/A	N/A	1998
CP 13	Basement	N/A		Bell & Gossett	N/A	N/A	1998
CP 14	Basement	N/A		Bell & Gossett	N/A	N/A	1998
SC	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
SC 1	Basement	Steam Converter	1	N/A	N/A	N/A	1998

CATA HVAC EQUIPMENT LIST

1240 SOUTH HARRISON ROAD

MS	LOCATION	EQUIPMENT	QTY	MAKE	MODEL #	SERIAL #	YEAR
MS		Mini Split	1	Tran	4TTB3024H1000-MHWX24H113R410		2015
CP 1	Mechanical Room	Hydroponic Pump	1	Bell & Gossett	1 1/2 X 1 1/2 X 7B		2015
CP 2	Mechanical Room	Hydroponic Pump	1	Bell & Gossett	1 1/2 X 1 1/2 X 7B		2015
VAV 1		Fan Powered VAV	1	Tran	VSWF1600U**0000D D220-L-0W00000000- *00		2015
VAV 2		Fan Powered VAV	1	Tran	VSWF1600U**0000D D220-L-0W00000000- *00		2015
VAV 3		Variable Air Volumn	1	Tran	VCWF08		2015
VAV 4		Variable Air Volumn	1	Tran	VCWF06		2015
VAV 5		Variable Air Volumn	1	Tran	VCWF08		2015
VAV 6		Variable Air Volumn	1	Tran	VCWF04		2015
VAV 7		Variable Air Volumn	1	Tran	VCWF04		2015
VAV 8		Variable Air Volumn	1	Tran	VCWF06		2015
VAV 9		Variable Air Volumn	1	Tran	VCWF10		2015
EF 1	Roof	Exhaust Fan	1	Greenheck	G-90-VG		2015
RTU 1	Roof	Roof Top Unit		Tran	YHD240F4RVA- HHC1C1B6		