



(972) 446-2000 office (972) 446-0140 fax
TACLA012188E & M-16662
(The Company)

MAINTENANCE PROPOSAL AGREEMENT

Proposal# **210118RS**

Proposal Date: January 18, 2021

Prepared for:

City of Allen

305 Century Parkway

Allen, Texas 75013

(The Client)

Project / Site:

Allen Event Center

The Proposal will provide labor and materials to accomplish THE HVAC Maintenance Scope and Equipment it is to be provided on by AEC, attached, and located at the above address all for the said amount of **\$ 45,306.00 Per Year plus applicable sales tax if any.**

SCOPE OF MAINTENANCE

- **Exhibit A - Scope of Work & Mechanic**

If parts or equipment proves to be defective, the Company will extend to the Client the benefits of any warranty the Company has received from the manufacturer. Removal and reinstallation of equipment or materials repaired or replaced under a manufacturer's warranty will be replaced at the client's expense at the rates then in effect. This Proposal is in effect for a period of thirty (30) days after the above proposal date, and can be extended beyond this period only at the option of the Company.

This work shall be provided in accordance with the terms and conditions contained herein. This Agreement shall constitute the entire agreement between us.

Exhibit A - Scope of Work & Mechanical Listing

Maintenance Intervals

- 1 "Winter" ex: December, January, February
- 2 "Spring" ex: March, April, May
- 3 "Summer" ex: June, July, August
- 4 "Fall" ex: September, October, November

C1 February

C2 August

Each Maintenance Interval shall include the following:

Contact Building Maintenance, to Schedule Maintenance days;

All Work to be performed under Standard Safety Practices, including but not limited to, the use of Lock-Out/Tag-Out and PPE;

All Critical, Safety or Emergency Issues are to be reported to Building Maintenance upon discovery;

Sign-In with Building Maintenance upon arrival and Sign-Out upon departure;

Use only Dry Lubricant (ex. Teflon) on Mechanical Louvers

Items will be identified on Reports and Quotes using at least the Item Number (see Equipment Schedule), Mod # and Ser # are optional;

Both Components, of all Split-Systems will appear on Reports and Quotes together;

Complete report of Work performed and Issues found, with Service/Repair recommendations, to be emailed within 3 Business Days;

Quote for Service/Repair of Issues found, to be emailed within 8 Business days.

Group Interval

Details

1	1	Review System Diagnostics; Refrigerant Pressure Checks; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify Proper Operation; Check for Glycol leaks; Check Operation and Integrity of Condenser Fan Motors; Grease all Motors
1	2	Review System Diagnostics; Refrigerant Pressure Checks; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify Proper Operation; Check for Glycol leaks; Check Oil Return Operation; Check Oil Level; Perform Oil Analysis

Exhibit A - Scope of Work & Mechanical Listing

1	3	Review System Diagnostics; Refrigerant Pressure Checks; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify Proper Operation; Check for Glycol leaks; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors
1	4	Review System Diagnostics; Refrigerant Pressure Checks; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify Proper Operation; Check for Glycol leaks; Check and Calibrate all Sensors and Controls; Verify Operation of Compressor and Oil Separator Heaters
1	C1	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.
1	C2	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.

2	1	Review VFD Diagnostics; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Start each System and verify Proper Operation; Check for leaks; Grease all Motors
2	2	Review VFD Diagnostics; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Start each System and verify Proper Operation; Check for leaks; Clean Strainer Screens
2	3	Review VFD Diagnostics; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Start each System and verify Proper Operation; Check for leaks; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors
2	4	Review VFD Diagnostics; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Start each System and verify Proper Operation; Check for leaks

3	1	Visual Inspection; Check for leaks; Clean Strainer Screens
3	2	Visual Inspection; Check for leaks; Check Pressure in Expansion Tank Bladder; Verify Operation of Bleeder Valve (Spirotop AAV)
3	3	Visual Inspection; Check for leaks; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test
3	4	Visual Inspection; Check for leaks; Check Pressure in Expansion Tank Bladder; Verify Operation of Bleeder Valve (Spirotop AAV)

4	1	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Check Operation and Integrity of Condenser Fan Motors; Replace Supply and Exhaust Blower Motor Belts; Adjust Sheaves to achieve Rated Motor Amps; Grease all Motors; Lubricate Rotor Chain
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Exhibit A - Scope of Work & Mechanical Listing

4	2	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Clean Evaporator Coil
4	3	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors; Lubricate Rotor Chain
4	4	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Check and Calibrate all Sensors and Controls; Verify Operation of Compressor Heaters; Complete Checks of React and Post Heaters
4	C1	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.
4	C2	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.

5	1	Review VFD Diagnostics; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Check Operation of Louvers; Start each System and verify Proper Operation; Check for Glycol leaks; Ensure proper Flow through Condensate Line; Replace Return and Supply Blower Motor Belts; Adjust Sheaves to achieve Rated Motor Amps; Grease all Motors
5	2	Review VFD Diagnostics; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Check Operation of Louvers; Start each System and verify Proper Operation; Check for Glycol leaks; Ensure proper Flow through Condensate Line; Clean Evaporator Coils
5	3	Review VFD Diagnostics; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Check Operation of Louvers; Start each System and verify Proper Operation; Check for Glycol leaks; Ensure proper Flow through Condensate Line; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors
5	4	Review VFD Diagnostics; Check for proper Chill Water Flow, Pressure and Temperature; Visual Electrical Inspection; Check Operation of Louvers; Start each System and verify Proper Operation; Check for Glycol leaks; Ensure proper Flow through Condensate Line; Check and Calibrate all Sensors and Controls; Complete Checks of Heater

6	1	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Check Operation and Integrity of Condenser Fan Motors; Replace Supply and Exhaust Blower Motor Belts; Adjust Sheaves to achieve Rated Motor Amps; Grease all Motors
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Exhibit A - Scope of Work & Mechanical Listing

6	2	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Clean Evaporator Coil
6	3	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors
6	4	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Check and Calibrate all Sensors and Controls; Verify Operation of Compressor Heaters; Complete Checks of Heater
6	C1	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.
6	C2	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.

7	1	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Check Operation and Integrity of Condenser Fan Motors; Replace Indoor Blower Motor Belts; Adjust Sheaves to achieve Rated Motor Amps; Grease all Motors
7	2	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Clean Evaporator Coil
7	3	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors
7	4	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Check and Calibrate all Sensors and Controls; Verify Operation of Compressor Heaters; Complete Checks of Heater
7	C1	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.
7	C2	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.

Exhibit A - Scope of Work & Mechanical Listing

8	1	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Check Operation of Louvers; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Check Operation and Integrity of Condenser Fan Motors; Replace Indoor Blower Motor Belts; Adjust Sheaves to achieve Rated Motor Amps; Grease all Motors
8	2	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Check Operation of Louvers; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Clean Evaporator Coil
8	3	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Check Operation of Louvers; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Electrical Analysis of all Motors and Heaters - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors
8	4	Review System Diagnostics; Refrigerant Pressure Checks; Visual Electrical Inspection; Check Operation of Louvers; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Check and Calibrate all Sensors and Controls; Verify Operation of Compressor Heaters
8	C1	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.
8	C2	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.

9	1	Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Clean Air, Plasma and Deodorizing Filters
9	2	Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Clean Air, Plasma and Deodorizing Filters; Clean Air, Plasma and Deodorizing Filters; Clean Evaporator Coil
9	3	Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test
9	4	Refrigerant Pressure Checks; Visual Electrical Inspection; Visual Condenser Coil Inspection; Start each System and verify proper Operation; Ensure proper Flow through Condensate Line; Clean Air, Plasma and Deodorizing Filters; Check and Calibrate all Sensors and Controls; Verify Operation of Compressor Heaters
9	C1	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.
9	C2	Water cleaning of all Condenser Coils. Chemicals to be used only as necessary.

10	1	Start each System and verify proper Operation; Visual Electrical Inspection
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Exhibit A - Scope of Work & Mechanical Listing

10	2	Start each System and verify proper Operation; Visual Electrical Inspection
10	3	Start each System and verify proper Operation; Visual Electrical Inspection; Electrical Analysis of all Motors and Heaters - Voltage, Amp-draw, Insulation Test
10	4	Start each System and verify proper Operation; Visual Electrical Inspection; Check and Calibrate all Sensors and Controls; Verify Operation of Heater Coils

11	1	Start each System and verify proper Operation; Visual Electrical Inspection; Check Operation of Louvers; Replace Blower Motor Belts; Adjust Sheaves to achieve Rated Motor Amps; Grease all Motors
11	2	Start each System and verify proper Operation; Visual Electrical Inspection; Check Operation of Louvers; Grease all Motors
11	3	Start each System and verify proper Operation; Visual Electrical Inspection; Check Operation of Louvers; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors
11	4	Start each System and verify proper Operation; Visual Electrical Inspection; Check Operation of Louvers; Grease all Motors

12	1	Start each System and verify proper Operation; Visual Electrical Inspection; Check for Leaks; Exercise all Valves; Visual Heat Exchanger Inspection
12	2	Start each System and verify proper Operation; Visual Electrical Inspection; Check for Leaks; Check Main Burner Flame conditions; Oil all Motors
12	3	Start each System and verify proper Operation; Visual Electrical Inspection; Check for Leaks; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all
12	4	Start each System and verify proper Operation; Visual Electrical Inspection; Check for Leaks; Check Main Burner Flame conditions; Oil all Motors

13	1	Start each System and verify proper Operation; Visual Electrical Inspection; Visual Heat Exchanger Inspection
13	2	Start each System and verify proper Operation; Visual Electrical Inspection; Check Main Burner Flame conditions; Oil all Motors
13	3	Start each System and verify proper Operation; Visual Electrical Inspection; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test
13	4	Start each System and verify proper Operation; Visual Electrical Inspection; Check Main Burner Flame conditions; Oil all Motors

14	1	Start each System and verify proper Operation; Visual Electrical Inspection; Visual Heat Exchanger Inspection
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Exhibit A - Scope of Work & Mechanical Listing

14	2	Start each System and verify proper Operation; Visual Electrical Inspection
14	3	Start each System and verify proper Operation; Visual Electrical Inspection; Electrical Analysis of all Motors and Heaters - Voltage, Amp-draw, Insulation Test
14	4	Start each System and verify proper Operation; Visual Electrical Inspection; Oil all Motors
15	1	Start each System and verify proper Operation; Visual Electrical Inspection; Visual Heat Exchanger Inspection
15	2	Start each System and verify proper Operation; Visual Electrical Inspection; Clean air Filters
15	3	Start each System and verify proper Operation; Visual Electrical Inspection; Electrical Analysis of all Motors and Heaters - Voltage, Amp-draw, Insulation Test
15	4	Start each System and verify proper Operation; Visual Electrical Inspection; Clean air Filters
16	1	Start each System and verify proper Operation; Visual Electrical Inspection; Check Operation of Louvers; Check Integrity of Mountings and Structure; Grease all Motors
16	2	Start each System and verify proper Operation; Visual Electrical Inspection; Check Operation of Louvers; Check Integrity of Mountings and Structure
16	3	Start each System and verify proper Operation; Visual Electrical Inspection; Check Operation of Louvers; Check Integrity of Mountings and Structure; Electrical Analysis of all Motors - Voltage, Amp-draw, Insulation Test; Check Electrical Contactors for Operation and Damage; Grease all Motors
16	4	Start each System and verify proper Operation; Visual Electrical Inspection; Check Operation of Louvers; Check Integrity of Mountings and Structure

Exhibit A - Scope of Work & Mechanical Listing

Group	Equipment	Manufacturer	Model Number	Serial Number	Unit Number
1	500-Ton Chiller, Air Cooled	Trane	RTAC5004UR0NUAFNN1TY1 CDLNA0EN11CN0EXN	U09C03192	CH 1-1
1	500-Ton Chiller, Air Cooled	Trane	RTAC5004UR0NUAFNN1TY1 CDLNA0EN11CN0EXN	U09C03193	CH 1-2
2	1,010-GPM Chill Water Circulating Pump	Armstrong	4300-6X6X13		CHWP 1-1
2	50-HP Chill Water Circulating Pump Motor	WEG	05018ET3E326TC	13NOV08 1003464690	CHWPM 1-1
2	50-HP Variable Frequency Drive	Danfoss/Trane	TR200 178U0706	260104Y157	CHW Drive 1
2	1,010-GPM Chill Water Circulating Pump	Armstrong	4300-6X6X13		CHWP 1-2
2	50-HP Chill Water Circulating Pump Motor	WEG	05018ET3E326TC	13NOV08 1003464689	CHWPM 1-2
2	50-HP Variable Frequency Drive	Danfoss/Trane	TR200 178U0706	351604Y355	CHW Drive 2
2	1,010-GPM Chill Water Circulating Pump	Armstrong	4300-6X6X13		CHWP 1-3
2	50-HP Chill Water Circulating Pump Motor	WEG	05018ET3E326TC	10DEZ08 1003736693	CHWPM 1-3
2	50-HP Variable Frequency Drive	Danfoss/Trane	TR200 178U0706	762604Y285	CHW Drive 3
3	132-GAL Chill Water Expansion Tank	Bell & Gossett	B-500	190870	EXP 1-1
3	3,600-GAL Chill Water Air Separator	Rolairtrol	RL-10F		CHWAS-1
3	Digital Glycol Feeder	Advantage Controls	DAGF-1	OG-621	GF-1
4	Dehumidifying Air Handler	Concepts and Design, Inc.	MDH-168-15-DS6EEROCG	010077-001-001	DAHU 2-1
4	60-Ton Condensing Unit	Trane	RAUCC604B113ABD0000	C09A11886	CU 2-3
5	250-Ton Air Handling Unit, Chill Water, Heater Module	Trane	TSCB100U0F00000000CC0A A092.5	K08M37842A / K08M37844A	AHU 3-1
5	250-Ton Air Handling Unit, Chill Water, Supply Fan Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38560A / K08M38565A	AHU 3-1
5	250-Ton Air Handling Unit, Chill Water, Filter Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38560A / K08M38567A	AHU 3-1
5	250-Ton Air Handling Unit, Chill Water, Medium-Large Coil Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38560A / K08M38566A	AHU 3-1
5	250-Ton Air Handling Unit, Chill Water, Return Fan Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38560A / K08M38563A	AHU 3-1
5	250-Ton Air Handling Unit, Chill Water, Heater Module	Trane	TSCB100U0F00000000CC0A A092.5	K08M38693A / K08M38695A	AHU 3-2
5	250-Ton Air Handling Unit, Chill Water, Supply Fan Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38672A / K08M38679A	AHU 3-2
5	250-Ton Air Handling Unit, Chill Water, Filter Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38672A / K08M38677A	AHU 3-2

Exhibit A - Scope of Work & Mechanical Listing

Group	Equipment	Manufacturer	Model Number	Serial Number	Unit Number
5	250-Ton Air Handling Unit, Chill Water, Economizer Module	Trane	TSCB100U0F00000000CC0A A096.0	K08A40259A / K09A40263A	AHU 3-2
5	250-Ton Air Handling Unit, Chill Water, Return Fan Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38673A / K08M38675A	AHU 3-2
5	250-Ton Air Handling Unit, Chill Water, Heater Module	Trane	TSCB100U0F00000000CC0A A092.5	K08M38719A / K08M38721A	AHU 3-3
5	250-Ton Air Handling Unit, Chill Water, Supply Fan Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38708A / K08M38715A	AHU 3-3
5	250-Ton Air Handling Unit, Chill Water, Filter Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38708A / K08M38713A	AHU 3-3
5	250-Ton Air Handling Unit, Chill Water, Economizer Module	Trane	TSCB100U0F00000000CC0A A096.0	K09A40267A / K09A40271A	AHU 3-3
5	250-Ton Air Handling Unit, Chill Water, Return Fan Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M38708A / K08M38711A	AHU 3-3
5	250-Ton Air Handling Unit, Chill Water, Heater Module	Trane	TSCB100U0F00000000CC0A A092.5	K08M38725A / K08M38727A	AHU 3-4
5	250-Ton Air Handling Unit, Chill Water, Supply Fan Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M37834A / K08M37841A	AHU 3-4
5	250-Ton Air Handling Unit, Chill Water, Filter Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M37835A / K08M37839A	AHU 3-4
5	250-Ton Air Handling Unit, Chill Water, Economizer Module	Trane	TSCB100U0F00000000CC0A A096.0	K09A40281A / K09A40285A	AHU 3-4
5	250-Ton Air Handling Unit, Chill Water, Return Fan Module	Trane	TSCB100U0F00000000CC0A A442.5	K08M37834A / K08M37837A	AHU 3-4
6	Make-Up Air Unit	Reznor	RDCA-374-H500	3BIC179ZK11N788C	MAU 2-1
6	5-HP Exhaust Fan, Exterior	Loren/Cook	300 VH 11B	285SC50996-00/0005201	EF 2-3
7	7.5-Ton Package Unit	Trane	TSC090		RTU 2-1
7	17.5-Ton Package Unit	Trane	YCD211C4LKCA	908100110D	RTU 2-2
7	15-Ton Package Unit	Trane	YHD180G4RLA05D000A1000 000000000000000000	171210693D	RTU 3-1
7	40-Ton Package Unit	Trane	YCD480A4LZ3B6JD1ABC000 00JK0030R	C09A11769	RTU 3-2
8	15-Ton Condensing Unit	Trane	TTA180B400FA	9071363AD	CU 2-1
8	15-Ton Air Handler	Trane	TWE180B4		AC 1-1
8	3.5-Ton Condensing Unit	Trane	2TTA3042A4000AA	8203X944F	CU 2-2
8	3.5-Ton Air Handler	Trane	2TEC3F48		AC 1-2

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Group	Equipment	Manufacturer	Model Number	Serial Number	Unit Number
8	15-Ton Condensing Unit	Trane	TTA180B400FA	9071NL4AD	CU 2-4
8	15-Ton Air Handler	Trane	TWE180B4		AC 1-3
8	10-Ton Condensing Unit	Trane	TTA120B400FA	8473YR8AD	CU 2-5
8	10-Ton Air Handler	Trane	TWE120B3		AC 1-4
8	3-Ton Condensing Unit	Trane	2TTA3036A4000AA	9183RE33F	CU 3-1
8	3-Ton Air Handler	Trane	2TEC3F36		AC 2-1
8	3-Ton Condensing Unit	Trane	2TTA3036A4000AA	9182RG33F	CU 3-2
8	3-Ton Air Handler	Trane	2TEC3F36		AC 2-2
8	3-Ton Condensing Unit	Trane	2TTA3036A4000AA	9182RH83F	CU 3-3
8	3-Ton Air Handler	Trane	2TEC3F36		AC 1-6
8	3-Ton Condensing Unit	Trane	2TTA3036A4000AA	9091LTS3F	CU 3-4
8	3-Ton Air Handler	Trane	2TEC3F36		AC 2-3
8	10-Ton Condensing Unit	Trane	TTA120B400FA	9184S56AD	CU 3-5
8	10-Ton Air Handler	Trane	TWE120B3		AC 1-5
8	5-Ton Condensing Unit	Trane	2TTA3060A4000AA	83245U94F	CU 3-6
8	5-Ton Air Handler	Trane	TWE060A		AC 1-7
8	15-Ton Condensing Unit	Trane	TTA180B400FA	9184UH5TD	CU 3-7
8	15-Ton Air Handler	Trane	TWE180B4		AC 2-4
8	5-Ton Condensing Unit	Trane	2TTA3060A4000AA	83245UX4F	CU 3-8
8	5-Ton Air Handler	Trane	TWE060A		AC 2-5
8	20-Ton Condensing Unit	Trane	TTA240B400FB	9184S9RTD	CU 3-9
8	20-Ton Air Handler	Trane	TWE240B4		AC 1-8
8	10-Ton Condensing Unit	Trane	TTA120B400FA	9184PS6AD	CU 3-10
8	10-Ton Air Handler	Trane	TWE120B3		AC 1-9
8	5-Ton Condensing Unit	Trane	2TTA3060A4000AA	9175XAJ4F	CU 3-11
8	5-Ton Air Handler	Trane	TWE060A		AC 2-6
8	7.5-Ton Condensing Unit	Trane	TTA090A400FA	9183TNNAD	CU 3-12
8	7.5-Ton Air Handler	Trane	TWE090A3		AC 1-10
8	7.5-Ton Condensing Unit	Trane	TTA090A400FA	9185KSTAD	CU 3-13
8	7.5-Ton Air Handler	Trane	TWE090A3		AC 1-11
8	10-Ton Condensing Unit	Trane	TTA120B400FA	9183R01AD	CU 3-14
8	10-Ton Air Handler	Trane	TWE120B3		AC 2-7
8	15-Ton Condensing Unit	Trane	TTA180B400FA	8513KAYAD	CU 3-15
8	15-Ton Air Handler	Trane	TWE180B4		AC 2-8
8	7.5-Ton Condensing Unit	Trane	TTA090A400FA	91847B5AD	CU 3-16
8	7.5-Ton Air Handler	Trane	TWE090A3		AC 1-12
8	10-Ton Condensing Unit	Trane	TTA120B400FA	9175KA8AD	CU 3-17
8	10-Ton Air Handler	Trane	TWE120B300EL	8292WJ38D	AC 1-13

Exhibit A - Scope of Work & Mechanical Listing

Group	Equipment	Manufacturer	Model Number	Serial Number	Unit Number
8	10-Ton Condensing Unit	Trane	TTA120B400FA	81115M2AD	CU 3-18
8	10-Ton Air Handler	Trane	TWE120B3		AC 2-9
8	5-Ton Condensing Unit	Trane	2TTA3060A4000AA	9175W9F4F	CU 3-19
8	5-Ton Air Handler	Trane	TWE060A		AC 2-10
9	Mini-Split, Condenser	LG	LAU095HV		MSCU 2-1
9	Mini-Split, Air Handler	LG	LAN095HV		MS 1-5
9	Mini-Split, Condenser	LG	LAU245HV		MSCU 3-1
9	Mini-Split, Air Handler	LG	LAN245HV		MS 1-1
9	Mini-Split, Condenser	LG	LAU245HV		MSCU 3-2
9	Mini-Split, Air Handler	LG	LAN245HV		MS 1-2
9	Mini-Split, Condenser	LG	LSU305HV		MSCU 3-3
9	Mini-Split, Air Handler	LG	LSN305HV		MS 2-1
9	Mini-Split, Condenser	LG	LSU305HV		MSCU 3-4
9	Mini-Split, Air Handler	LG	LSN305HV		MS 1-3
9	Mini-Split, Condenser	LG	LAU185HV		MSCU 3-5
9	Mini-Split, Air Handler	LG	LAN185HV		MS 2-2
9	Mini-Split, Condenser	LG	LAU245HV		MSCU 3-6
9	Mini-Split, Air Handler	LG	LAN245HV		MS 2-3
9	Mini-Split, Condenser	LG	LAU245HV		MSCU 3-7
9	Mini-Split, Air Handler	LG	LAN245HV		MS 1-4
9	.58-Ton Packaged Terminal Air Conditioner	Trane	PTEE0701UABA	F08HD1093E	PTAC 1-1
10	Variable Air Volume Box	Trane	VCCF09		VAV 1-1
10	Variable Air Volume Box	Trane	VCCF05		VAV 1-2
10	Variable Air Volume Box	Trane	VCCF06		VAV 1-3
10	Variable Air Volume Box	Trane	VCCF05		VAV 1-4
10	Variable Air Volume Box	Trane	VCEF06		VAV 1-5
10	Variable Air Volume Box	Trane	VCEF07		VAV 1-6
10	Variable Air Volume Box	Trane	VCEF05		VAV 2-1
10	Variable Air Volume Box	Trane	VCCF07		VAV 2-2
10	Variable Air Volume Box	Trane	VCCF07		VAV 2-3
10	Variable Air Volume Box	Trane	VCEF06		VAV 2-4
10	Fan Powered, Variable Air Volume Box	Trane	VPEF10		FPB 1-1
10	Fan Powered, Variable Air Volume Box	Trane	VPEF14		FPB 1-2
10	Fan Powered, Variable Air Volume Box	Trane	VPEF16		FPB 1-3
10	Fan Powered, Variable Air Volume Box	Trane	VPEF08		FPB 2-1
10	Fan Powered, Variable Air Volume Box	Trane	VPEF08		FPB 2-2

Exhibit A - Scope of Work & Mechanical Listing

Group	Equipment	Manufacturer	Model Number	Serial Number	Unit Number
10	Fan Powered, Variable Air Volume Box	Trane	VPEF08		FPB 2-3
10	Fan Powered, Variable Air Volume Box	Trane	VPEF12		FPB 2-4
10	2-Ton, Blower Coil, Air Handler	Trane	BCHD024		FCU 1-1
10	2-Ton, Blower Coil, Air Handler	Trane	BCHD024		FCU 1-2
11	0.750-HP Exhaust Fan, Exterior	Loren/Cook	195 C 6B	8SC0996-00/0002001	EF 2-1
11	1.000-HP Exhaust Fan, Exterior	Loren/Cook	210 C 7B	285SC50996-00/0003601	EF 2-2
11	0.250-HP Exhaust Fan, Exterior	Loren/Cook	100 R 3B	285S50996-00/0007001	EF 2-4
11	0.333-HP Exhaust Fan, Exterior	Loren/Cook	135 C 4B	285SC50996-00/0008601	EF 2-5
11	0.750-HP Exhaust Fan, Exterior	Loren/Cook	180 R 6B	28S5996-00/0010201	EF 2-6
11	0.750-HP Exhaust Fan, Exterior	Loren/Cook	195 C 6B	285SC58141-00/0000701	EF 3-1
11	Exhaust Fan, Exterior	Loren/Cook	150 V 6B		EF 3-2
11	0.500-HP Exhaust Fan, Exterior	Loren/Cook	150 C 5B	285SC58141-00/0005001	EF 3-3
11	0.250-HP Exhaust Fan, Exterior	Loren/Cook	120 C 3B	285SC58141-00/0006401	EF 3-4
11	1.500-HP Exhaust Fan, Exterior	Loren/Cook	210 C 8B	285SC58141-00/0007801	EF 3-5
11	0.333-HP Exhaust Fan, Exterior	Loren/Cook	135 C 4B	285SC58141-00/0009201	EF 3-6
11	0.750-HP Exhaust Fan, Exterior	Loren/Cook	150 V 6B	285SC58141-00/0010601	EF 3-7
11	0.500-HP Exhaust Fan, Exterior	Loren/Cook	150 C 5B	285SC58141-00/0012101	EF 3-8
11	0.250-HP Exhaust Fan, Exterior	Loren/Cook	120 C 3B	285SC58141-00/0013501	EF 3-9
11	Exhaust Fan, Exterior	Loren/Cook	150 C 5B		EF 3-10
11	Exhaust Fan, Exterior	Loren/Cook	195 C 6B		EF 1-1
11	.333-HP Exhaust Fan, Interior	Loren/Cook	150 SQN-B	285SC50279-00/0002001	VF 1-1
11	.333-HP Exhaust Fan, Interior	Loren/Cook	150 SQN-B	285SC50279-00/0003401	VF 1-2
11	.167-HP Exhaust Fan, Interior	Loren/Cook	120 SQN-B	285SC50279-00/0004801	VF 1-3
11	.750-HP Exhaust Fan, Interior	Loren/Cook	150 SQN-B	285SC50996-00/0011801	VF 1-4
11	.333-HP Exhaust Fan, Interior	Loren/Cook	150 SQN-B	285SC50996-00/0013601	VF 1-5
12	1.3M-BTU Domestic Hot Water Boiler	Lochinvar	CFN1261PM	D09H00218431	GWH-1
12	940-GAL Domestic Hot Water Stroage Tank	Lochinvar	RGA0940	J08J00036752	ST-1
12	1.3M-BTU Domestic Hot Water Boiler	Lochinvar	CFN1261PM	A09-00216032	GWH-2
12	940-GAL Domestic Hot Water Stroage Tank	Lochinvar	RGA0940	D09J00038738	ST-2
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-1
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-2
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-3
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-4
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-5
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-6

Exhibit A - Scope of Work & Mechanical Listing

Group	Equipment	Manufacturer	Model Number	Serial Number	Unit Number
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-7
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-8
13	100-MBH Heater, Natural Gas	Trane	GAND 010		GUH 1-9
14	5-KW Heater, Electric	Trane	UHEC 05		EUH 1-1
14	5-KW Heater, Electric	Trane	UHEC 05		EUH 1-2
14	5-KW Heater, Electric	Trane	UHEC 05		EUH 1-3
14	5-KW Heater, Electric	Trane	UHEC 05		EUH 1-4
14	5-KW Heater, Electric	Trane	UHEC 05		EUH 1-5
14	5-KW Heater, Electric	Trane	UHEC 05		EUH 1-6
14	2-KW Heater, Electric	Trane	UHAA 05		EUH 1-7
14	5-KW Heater, Electric	Trane	UHEC 05		EUH 1-8
14	2-KW Heater, Electric	Trane	UHAA 05		EUH 2-1
15	13.0-KW Cabinet Heater, Electric	Trane	FFJB 080		ECUH 1-1
15	7.5-KW Cabinet Heater, Electric	Trane	FFJB 040		ECUH 1-4
15	7.5-KW Cabinet Heater, Electric	Trane	FFJB 040		ECUH 1-6
15	7.5-KW Cabinet Heater, Electric	Trane	FFJB 040		ECUH 1-7
16	7.5-HP Smoke Exhaust Fan				SEF 3-1
16	7.5-HP Smoke Exhaust Fan				SEF 3-2
16	7.5-HP Smoke Exhaust Fan, VFD	Toshiba	Q9+4080IER3	081001842	SEFVFD 3-2
16	7.5-HP Smoke Exhaust Fan				SEF 3-3
16	7.5-HP Smoke Exhaust Fan, VFD	Toshiba	Q9+4080IER3	081001836	SEFVFD 3-3
16	7.5-HP Smoke Exhaust Fan				SEF 3-4
16	7.5-HP Smoke Exhaust Fan				SEF 3-5
16	7.5-HP Smoke Exhaust Fan, VFD	Toshiba	Q9+4080IER3	081002859	SEFVFD 3-5
16	7.5-HP Smoke Exhaust Fan				SEF 3-6
16	7.5-HP Smoke Exhaust Fan			081002861	SEF 3-7
16	7.5-HP Smoke Exhaust Fan, VFD	Toshiba	Q9+4080IER3		SEFVFD 3-7
16	7.5-HP Smoke Exhaust Fan				SEF 3-8