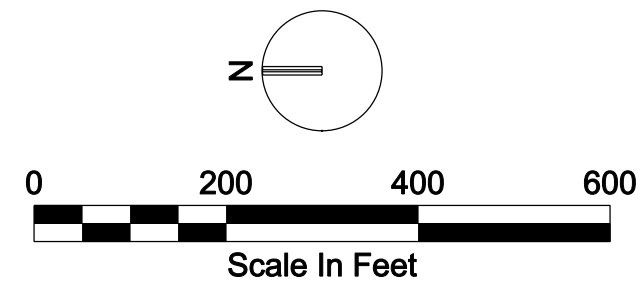


UOSA IFB 21-08 Maintenance Agreement for HVAC Systems
Addendum #1, Attachment A - Filter and Belt List

UOSA REGIONAL WATER RECLAMATION PLANT

CONSTRUCTION PHASES

- PROJECT 15: 1973 - 1978
- PROJECT 27: 1985 - 1988
- CONTRACT 32: 1992 - 1996
- CONTRACT 54: 1997 - 2004
- MISCELLANEOUS PROJECTS: 2004 - PRESENT



INDEX TO PROCESS STRUCTURES

1. NOT USED
2. NOT USED
3. NOT USED
4. PRIMARY CLARIFIERS
5. AERATION BASINS
6. SECONDARY CLARIFIERS
7. ANAEROBIC DIGESTERS
8. ANAEROBIC DIGESTER
9. RAS SLUDGE PUMP STATION
10. NOT USED
11. NOT USED
12. NOT USED
13. CHEMICAL CLARIFIERS
14. CHEMICAL TREATMENT PARSHALL FLUMES
15. RAPID MIX BASINS
16. FLOCCULATION BASINS
17. CHEMICAL SLUDGE THICKENERS
18. CHEMICAL SLUDGE DISTRIBUTION BOX
19. NOT USED
20. FILTER BACKWASH EQUALIZING TANK
21. FIRST STAGE RECARBONATION BASINS
22. RECARBONATION CLARIFIERS
23. SECOND STAGE RECARBONATION BASINS
24. PRIMARY EFFLUENT JUNCTION BOX
25. SIDESTREAM TREATMENT REACTORS (FUTURE)
26. SIDESTREAM OFFLINE STORAGE TANK (FUTURE)
27. ELECTRICAL SUBSTATION
28. BALLAST POND PUMP STATION
29. NOT USED
30. CHLORINE CONTACT BASINS
31. EMERGENCY RETENTION POND PUMP STATION
32. BALLAST PONDS
33. EMERGENCY RETENTION POND
34. NOT USED
35. SECONDARY EFFLUENT COLLECTION BOX
36. NOT USED
37. 1-W VALVE VAULT
38. AUXILIARY CARBON DIOXIDE STORAGE
39. FUEL OIL STORAGE TANKS
40. AMMONIUM SULFATE STORAGE TANKS
41. SPILLAGE PITS
42. SALT STORAGE BINS
43. REGENERANT BASINS
44. SOLIDS CONTACT CLARIFIERS
45. ARRP CHEMICAL SLUDGE PUMP STATION
46. ARRP WET WELL DISTRIBUTION BOX
47. VEHICLE WASH STATION
48. WASTE OIL STORAGE TANK
49. MAINTENANCE YARD
50. FUEL STORAGE TANKS
51. PRIMARY EFFLUENT DIVERSION FLOW METER VAULT
52. WASTE GAS BURNER
53. SEPTAGE FACILITY
54. PRIMARY SLUDGE PUMP STATION
55. PRIMARY EFFLUENT LIFT STATION
56. SELECTOR BASINS
57. AERATION BASIN DEWATERING PUMP STATION
58. BIOFOAM PUMP STATION
59. SECONDARY CLARIFIER DEWATERING PUMP STATION
60. MIXED LIQUOR/SECONDARY EFFLUENT CHANNEL & CONDUIT
61. BREAKPOINT CHLORINATION STATION
62. CONTAINMENT AND SPILLAGE PIT
63. ERP FLOWMETER VAULT
64. LIME SOLIDS LANDFILL
65. HEADWORKS ODOR CONTROL
66. 2-W PUMP STATION
67. NOT USED
68. BIOSOLIDS STORAGE PAD
69. PRIMARY INFLUENT SPLITTER BOX
70. MIXED LIQUOR SPLITTER BOX
71. LEACHATE PUMP STATION
72. LABORATORY PROCESS DRAIN PUMP STATION
73. DECHLORINATION CHANNEL
74. CENTRATE PUMP STATION (FUTURE)
75. FLAT BRANCH FLOW METER VAULT
76. LIME SOLIDS STORAGE PAD
77. CARBON CONTACTOR EFFLUENT VALVE VAULT
78. CARBON CONTACTOR EFFLUENT FLOWMETER VAULT
79. EMERGENCY RETENTION POND DISTRIBUTION BOX
80. DIVERSION DISTRIBUTION BOX
81. DIVERSION/OUTFALL STRUCTURE
82. ERP EMERGENCY DIVERSION/OVERFLOW STRUCTURE

INDEX TO SITE BUILDINGS

- A. PRELIMINARY TREATMENT BUILDING
- B. PRIMARY SCUM PUMP STATION/ELECTRICAL LOAD CENTER NO. 1
- C. DIGESTER COMPLEX BUILDING
- D. THICKENING AND SCREENING BUILDING
- E. ELECTRICAL LOAD CENTER NO. 2
- F. ADMINISTRATION BUILDING
- G. OPERATIONS BUILDING
- H/1. SOLIDS HANDLING BUILDING
- H/2. LIME STORAGE BUILDING
- I. 1-W BUILDING/ELECTRICAL LOAD CENTER NO. 3
- J. CHEMICAL SLUDGE PUMP BUILDING
- K. THICKENED CHEMICAL SLUDGE PUMP BUILDING
- L. FILTRATION AND ADSORPTION BUILDING
- M. REGENERATION BUILDING/ELECTRICAL LOAD CENTER NO. 7
- N. RECARBONATION SLUDGE PUMPING BUILDING
- O. HYPOCHLORITE FEED PUMP BUILDING
- P. ELECTRICAL LOAD CENTER NO. 5
- Q. AUXILIARY POWER BUILDING
- R. ABSORBER PUMP STATION
- S. MAINTENANCE BUILDING
- T. SALT STORAGE SHED
- U. DEWATERING AND DRYING BUILDING
- V. BLOWER BUILDING
- W. HYDROCHLORIC GAS BUILDING
- X. STORAGE BUILDING
- Y. RECARBONATION BUILDING
- Z. BISULFITE FEED PUMP BUILDING
- AA. SECONDARY TREATMENT CONTROL BUILDING
- BB. ELECTRICAL LOAD CENTER NO. 15
- CC. HEADWORKS ODOR CONTROL BUILDING
- DD. PLANT WASTE PUMP STATION
- EE. SEPTAGE SCREENING BUILDING
- FF. LANDFILL OFFICE
- GG. SUPPLEMENTAL CARBON BUILDING (FUTURE)
- HH. CHEMICAL TREATMENT CONTROL BUILDING
- JJ. CHLORINATION/DECHLORINATION BUILDING
- KK. WAREHOUSE
- LB. LABORATORY
- SS. SIDESTREAM TREATMENT BUILDING (FUTURE)



**UPPER OCCOQUAN SERVICE AUTH.
Equipment Master And Specification
Fields**

O&M Number	1412072803	Description	AIR SUPPLY UNIT #3	Location	LABORATORY BUILDING
Tag Number	LB-ASU-003	Asset Number	77500	Business Unit	12000
Model Number	TIDA101H4372	Parent Number	76718	Date Acquired	9/20/2001
Serial Number	M97M00407	LO/TO	DISCONNECT/STARTER @ MCC-29A	Initial Cost	
Equipment Type	HVAC	Manufacturer	THE TRANE COMPANY	Lubricant	.
Equip. Sub Type	AIR HANDLER (TYPE I)	Critical		Safety	.

Equipment Specifications

CAPACITY (BTU/hr)	RPM	1780
BTU/hr IN	VOLTAGE	460
BTU/hr OUT	PHASE	3
REFRIGERANT	AMPS	86
AMOUNT	HZ	60
FUEL TYPE	BELT SIZE	(5) BX-150
LUBRICANTS	FILTERS (1)	(5) 12x24x2, (25) 24x24x2
MOTOR HP	FILTERS (2)	(5)12x12x12 (25) 24x24x12

Equipment Notes

Bill of Materials (if any)

Component Line #	Component #	Component Description	Quantity Per
1	FLT-65%RIGA	-FILTER CARTRIDGE 24X12X12	1.0000
2	FLT-85%RIGA-	-CARTRIDGE FILTER,24X12X12,85%	1.0000
3	FLT-RIGA-FLO	-CARTRIDGE FILTER,24x24x12,65%	1.0000
4	FLT-RIGAFL01	CARTRIDGE FILTER (OBSOLETE)	1.0000
5	TNK-D262	-HUMIDIFIER TANK W/ELECTRODES	1.0000

UPPER OCCOQUAN SERVICE AUTH.
Equipment Master And Specification
Fields

6	CTL-UNT-111-1	UNT CONTROLLER	1.0000
7	CTL-AS-VAVDPT2-1	VAV CONTROLLER	1.0000

**UPPER OCCOQUAN SERVICE AUTH.
Equipment Master And Specification
Fields**

O&M Number 1412072804

Description AIR SUPPLY UNIT #4

Location LABORATORY BUILDING

Tag Number LB-ASU-004
Model Number TIDA101H4372
Serial Number M97M00408
Equipment Type HVAC
Equip. Sub Type AIR HANDLER (TYPE I)

Asset Number 77518
Parent Number 76718
LO/TO DISCONNECT/STARTER @ MCC-29B
Manufacturer THE TRANE COMPANY
Critical

Business Unit 12000
Date Acquired 9/20/2001
Initial Cost
Lubricant
Safety

Equipment Specifications

CAPACITY (BTU/hr)	RPM	1780
BTU/hr IN	VOLTAGE	460
BTU/hr OUT	PHASE	3
REFRIGERANT	AMPS	86
AMOUNT	HZ	60
FUEL TYPE	BELT SIZE	(5) BX-136
LUBRICANTS	FILTERS (1)	(5)12x24x2 (25)24x24x2
MOTOR HP 75	FILTERS (2)	(5)12x24x12 (25) 24x24x12

Equipment Notes

Bill of Materials (if any)

Component Line #	Component #	Component Description	Quantity Per
1	FLT-65%RIGA	~FILTER CARTRIDGE 24X12X12	1.0000
2	FLT-85%RIGA-	~CARTRIDGE FILTER,24X12X12,85%	1.0000
3	FLT-RIGA-FLO	~CARTRIDGE FILTER,24x24x12,65%	1.0000
4	FLT-RIGAFLO1	CARTRIDGE FILTER (OBSOLETE)	1.0000
5	TNK-D262	~HUMIDIFIER TANK W/ELECTRODES	1.0000

UPPER OCCOQUAN SERVICE AUTH.
Equipment Master And Specification
Fields

6	CTL-UNT-111-1	UNT CONTROLLER	1.0000
7	CTL-AS-VAVDPT2-1	VAV CONTROLLER	1.0000

LB

BUILDING O2

1112060701	AIR SUPPLY UNIT #1	O2	TWE048C140B	LP-19A, CKTS (24,26)	(1) 20X20X1
O-ASU-001	THE TRANE COMPANY	HVAC		NA	
1112061301	CABINET FAN/MOTOR #1	O2	DBF-10	LP-19A, CKT 21	(1) 20X22X2
O-SF-001	LOREN COOK COMPANY	HVAC	147S54149000007010299-0794-1/ (1) A35		20X22X1

BUILDING Z2

1111070701	AIR SUPPLY UNIT #1	Z2	TWE048X140B	LP-25, CKTS (20,22)	(1) 20X20X1
Z-ASU-001	THE TRANE COMPANY	HVAC		NA	
1111071301	CABINET FAN/MOTOR #1	Z2	DBF-18	DISCONNECT/STARTER @ MCC-25B	(1) 20X22X2
Z-SF-001	LOREN COOK COMPANY	HVAC	9000001040299-0467-1	(1) A54	

~~4-16x20x2~~
 31" x 4 1/2"
 32x40x11

BUILDING S1

1301060029	AIR SUPPLY UNIT #1	S1	(3) 16X25X2
S1-AHU-1	THE TRANE COMPANY	HVAC	(1) A-48
1301060061		S1	(1) 9 X33 1/2X 1
S1-HV-1	THE TRANE COMPANY	HVAC	
1301060062		S1	(1) 9 X33 1/2X 1
S1-HV-2	THE TRANE COMPANY	HVAC	
1301060063		S1	(1) 9 X33 1/2X 1
S1-HV-3	THE TRANE COMPANY	HVAC	

BUILDING 78

0907040701	SUPPLY FAN/MOTORE #1	78	DBF-8	LP-19A, CKT 16	17 1/2X15X2
78-SF-001	LOREN COOK COMPANY	HVAC	147S5414900000171020299-102 NA	A-31	

2- 15X17X11

BUILDING A1

0204090801	CENTRAL STATION AIR HANDLER #1	A1	CA012GAHAAC000GA00B0A000	DISCONNECT/STARTER @ MCC-11C	(4) 16X20X2
A-ASU-001	THE TRANE COMPANY	HVAC	K94M90408-10	(2) B-75	4-16" x 72" m; (8) 16X25X2
0204090802	CENTRAL STATION AIR HANDLER #2	A1	CA006GGAHOBAC000CECA00B0	DISCONNECT/STARTER @ MCC-11C	(4) 16X20X2
A-ASU-002	THE TRANE COMPANY	HVAC	K94M89955-57	(1) A-51	
0204090803	CENTRAL STATION AIR HANDLER #3	A1	CA021MAD0B0AD00AC00000	DISCONNECT/STARTER @ MCC-11C	(4) 16X20X2
A-ASU-003	THE TRANE COMPANY	HVAC	K94M8849-50	(1) A-68	4-16" x 72" (8) 16X25X2
0204090804	AIR HANDLER #4 LOAD CENTER	A1	BCHC072G1A0A1V0332080AC801140	DISCONNECT/STARTER @ MCC-11A	(1) 20X20X1
A-ASU-004	THE TRANE COMPANY	HVAC	T03F41213	(1) A-45	(1) 20X25X1
0204091301	SUPPLY FAN/MOTOR #1	A1	20CDV	DISCONNECT/STARTER @ MCC-11C	18X30X1
A-SF-001	LOREN COOK COMPANY	HVAC		(1) A-48	

16 x 72 x m (8)
 20 x 25 x 2 (2)
 20 x 20 x 1 (1)
 20 x 25 x 1 (1)
 18 x 30 x 1 (1)

BUILDING BB

0306040101	AIR SUPPLY UNIT #1	BB	TWE180B400CA	DISCONNECT/STARTER @ MCC-15C	(8) 15x20x2
BB-ASU-1	THE TRANE COMPANY	HVAC	N3626EL6H	(1) B-60	
0306040102	AIR SUPPLY UNIT #1	BB	TWE180B400CA	DISCONNECT/STARTER @ MCC-15C	(8) 15x20x2
BB-ASU-2	THE TRANE COMPANY	HVAC	N363PG86H	(1) B-60	

BUILDING V1

0406060201	AIR HANDLING UNIT #1	V1	FB4ANF060	LP-L8AB, CKT 31	20X20X1
AH-U-V-1	CARRIER	HVAC	0802A63683	NA	
0406060901	MOTORIZED DAMPER #1	V1			(1) 1/2" CUT TO SIZE
MD-V-1		FAN			
0406060902	MOTORIZED DAMPER #2	V1			(1) 1/2" CUT TO SIZE
MD-V-2					

BUILDING AA

0411071001	AIR SUPPLY UNIT #1	AA	MCCA003	DP-20C,CKTS (13,15,17)	(2) 16X25X2
AA-ASU-001	THE TRANE COMPANY	HVAC	K99D84712M	(1) A-40	
0411071002	AIR SUPPLY UNIT #2	AA	MCCA003	DP-20C, CKTS (14,15,16)	(2) 16X25X2
AA-ASU-002	THE TRANE COMPANY	HVAC		(1) A-44	

BUILDING V2

0412070401	AIR SUPPLY UNIT #1	V2	MCCA050	DISCONNECT/STARTER @ MCC-20B	(6) 16X25X2
V-ASU-001	THE TRANE COMPANY	HVAC		(2) A-57	(6) 20X25X2
0412070402	AIR SUPPLY UNIT #2	V2	MCCA040	DISCONNECT/STARTER @ MCC-20D	(18) 20X20X2
V-ASU-002	THE TRANE COMPANY	HVAC	K99D84726-29M	(2) 5VX1000	

20 X 120 X m (3)
16 X 25 X 2 (6)
20 X 25 X 2 (6)

BUILDING L2

0909070101	HEATING & VENT UNIT #1	L2	DFIA2221 FDFDB842AKM200ESS	DP-14G, CKTS (66,70,72)	(42) 20X20X2
L-HVU-001	THE TRANE COMPANY	HVAC	C99G12379M	(3) BX-120	
0909070102	HEATING & VENT UNIT #2	L2	DFIA2221FDNB4JM4200ESS	DP-14G, CKTS (62,64,65)	(30) 20X20X2
L-HVU-002	THE TRANE COMPANY	HVAC	C99G12381M	(3) BX-112	
0909070103	HEATING & VENT UNIT #3	L2	DFIA2221FDNB4AJM4200ESS	DP-14G, CKTS (56,58,60)	(10) 16X20X2
L-HVU-003	THE TRANE COMPANY	HVAC	C99G12383M	(3) BX-112	(70) 20x20x2
0909070104	HEATING & VENT UNIT #4	L2	DFIA2251FDNB4AKN4200ESS	DP-14G, CKTS (50,52,54)	(42)20X20X2
L-HVU-004	THE TRANE COMPANY	HVAC	C99G12384M	(3) BX-120	
0909070105	HEATING & VENT UNIT #5	L2		DP-14H, CKTS (13,15,17)	(9) 16X20X2
L-HVU-005	THE TRANE COMPANY	HVAC		(2) BX-85	
0909070106	HEATING & VENT UNIT #6	L2		DP-14H, CKTS (19,21,23)	(9) 16x20x2
L-HVU-006	THE TRANE COMPANY	HVAC		(2) BX-85	
0909071001	AIR SUPPLY UNIT #1	L2	MCCA012	DP-14H, CKTS (32,34,36)	(6) 20X20X2
L-ASU-001	THE TRANE COMPANY	HVAC	K99F21199-202N	(1) B-42 A42	
0909071002	AIR SUPPLY UNIT #2	L2	MCCA008	DP-14H, CKTS (38,40,42)	(4) 20X20X2
L-ASU-002	THE TRANE COMPANY	HVAC	K99F21211-15N	(1) AX-51	
0909071301	CEILING SUPPLY UNIT #	L2	PLH30FK	LP-14D, CKT 8	(1) WASHABLE
L-CSU-001	THE TRANE COMPANY	HVAC		NA	
0909071901	CABINET FAN #1	L2	DBF-10	DP-14G, CKTS (20,22,24)	(1) 20X22X2
L-SF-001	LOREN COOK COMPANY	HVAC	147S54100000691010299-1020-1	(1) A-36	

32x40xM (1)
 16x28x2 (28)
 20x22xM (3)
 20x20x2 (144)

BUILDING L2

0909071902	CABINET FAN #2	L2	DBF-18	DP-14G, CKTS (26,28,30)	(4) 16X20X2	⁽⁴⁾ 32x50x3
L-SF-002	LOREN COOK COMPANY	HVAC	900000704010299-1 1/2	(1) A-56	16x20x2	
0909071903	CABINET FAN #3	L2	DBF-10	DP-14G, CKTS (2,4,6)	(4) 16X20X2	
L-SF-003	LOREN COOK COMPANY	HVAC	14755414900000717020299-0965	(1) A-36	(1) 20x22x2	
0909071904	SUPPLY FAN/MOTOR #4	L2	DBF-10	DP-14G, CKTS (8,10,12)	(42) 20X20X2	
L-HVU-001	THE TRANE COMPANY	HVAC	C99G12379M	(3) BX-120		
L-SF-004				(1) A-35	1-20x22x2	

$20 \times 20 \times 2 = 144$ - 6 boxes
 $16 \times 20 \times 2 = 22$
 $20 \times 22 \times 2 = 3$

BUILDING 584

0414070704	SUPPLY FAN/MOTOR #1	584	DBF-8	LP 26d, ckt 1	17 1/2X 15 PLEAT
58/4-SF-001	LOREN COOK COMPANY	HVAC	147S5411490000012102099-079(1) A-31		

15x17xm(2)

BUILDING 585

0414070705	SUPPLY FAN/MOTOR #1	585	DBF-8	IP-26C. CKT9	17 1/2X 15 PLEAT
58/5-SF-001	LOREN COOK COMPANY	HVAC	14755411490000012102099-079C (1) A-31		

15 X 17 X M (2)

BUILDING 586

0414070706	SUPPLY FAN/MOTOR #1	586	DBF-15	DP-20D, CKTS (13,15,17)	26/12X32X2
58/6-SF-001	LOREN COOK COMPANY	HVAC	90000091010299-0867-1 1/2	(1) A-44	26 1/2 x 32 x 2

1) ~~26 x 32 m²~~
32 x 26 x m (1)

BUILDING 56B

0308040101	HEAT & VENT UNIT #1	56B	DFIA1151 FD	DISCONNECT/STARTER @ MCC-17B (9) 16X20X2
56-HVU-001	THE TRANE COMPANY	HVAC		(1) B72
0308040701	SUPPLY FAN/MOTOR #1	56b	DBF-18	DISCONNECT/STARTER @ MCC-17B (4) 16X20X2
56-SF-001	LOREN COOK COMPANY	HVAC	90000065010299-0408-3/4 (1) A-56	1 - 40x31 ms

BUILDING I1

1206050601 FILTER RACK LOAD CENTER I1

(3) 16X20X2 (NORTH)

MD-FLT FAN

(3) 16X20X2 (SOUTH)

16X20X2 (12)

BUILDING E1

1208040401 MOTORIZED DAMPER/FILETERS #1 E1 D-250

E-MD-1A JOHNSON CONTROL FAN

~~(4) 16X25X2~~
4 - 24x24x2

1208040402 MOTORIZED DAMPER/FILETERS #2 E1 D-251

E-MD-1B JOHNSON CONTROL FAN

~~(4) 16X25X2~~
4 - 24x24x2

BUILDING P

1209010501

LOUVERS/VENT FILERTS

P

(6) 20X25X2 (1) 16X25X2 E

P-D-01

FAN

(6) 20X25X2 (1) 16X25X2 W

BUILDING Q

1405030301	FILTER FRAME ASSEMBLY, GEN #1	Q	(32) 20X20X2
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Q-FF-1A	FAN
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1405030302	FILTER FRAME ASSEMBLY, GEN #2	Q	(30) 24X24X2
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Q-FF-001	FAN
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1405030303	FILTER FRAME ASSEMBLY, GEN #3	Q	(30) 24X24X2
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Q-FF-002	FAN
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SPLIT SYSTEM ABOVE OFFICE	Q	(1) 20X20X1
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ndt 3.11.11

BUILDING JJ

1106071001	AIR SUPPLY UNIT #1	JJ	MCCA010	DISCONNECT/STARTER @ MCC-27D	(3) 16X20X2
JJ-ASU-001	THE TRANE COMPANY	HVAC	K99A30838-41M	(1) AX-31	(3) 20x25x2
1106071002	AIR SUPPLY UNIT #2	JJ	TWE048140B1	LP-27, CKTS (36,38)	(1) 20X20X1
JJ-ASU-002	THE TRANE COMPANY	HVAC		NA	
1106070101	HEATING & VENT UNIT #1	JJ	DFIA1181FD	DISCONNECT/STARTER @ MCC-27C	(3) 20X20X2
JJ-ASU-002	THE TRANE COMPANY	HVAC		(1) B-68	5 (1) 20X25X2

BUILDING C1

0504070401	HEATING & VENT UNIT #1	C1				(8) -16X20X2 4-20x53 Link
C-HVU-1	THE TRANE COMPANY	HVAC		(2) BX-64		(4) 20X20X2
0504070402	HEATING & VENT UNIT #001	C1	GRBA70GFLB0N7JU20200FLR	DISCONNECT/STARTER @ MCC-27C		(2) 20X25X2
C-HVU-001	THE TRANE COMPANY	HVAC	A98L49066	NA (1) A-26		(2) 20x30x2
0504071301	AIR CONDITIONING UNIT #1	C1	TCD036C40CBC	DP-24A, CKTS (14,16,18)		(2) 20X25X2
C-ACU-001	THE TRANE COMPANY	HVAC	N34100420D	(1) A-46		

20x50xm (4)
 20x30x2 (2)

BUILDING LB

1412072801	AIR SUPPLY UNIT #1	LB	TIDA027H4332	DISCONNECT/STARTER @ MCC-29A	(6) 24X24X2
LB-ASU-001	THE TRANE COMPANY	HVAC	M97M00406	(2) BX-90 S (1) BX-108R	(3) 12X24X2
1412072802	AIR SUPPLY UNIT #2	LB	MCCA021	DISCONNECT/STARTER @ MCC-29C	(4) 16X20X2
LB-ASU-002	THE TRANE COMPANY	HVAC	K98K15723A	(2) BX-59	(8) 16X25X2
1412072803	AIR SUPPLY UNIT #3	LB	TIDA101H4372	DISCONNECT/STARTER @ MCC-29A	(5) 12X24X2 (25) 24X24X2
LB-ASU-003	THE TRANE COMPANY	HVAC	M97M00407	(5) BX-150	(5) 12X24X12 BOX (25) 24X24X12 Box
1412072804	AIR SUPPLY UNIT #4	LB	TIDA101H4372	DISCONNECT/STARTER @ MCC-29B	(5) 12X24X2 (25) 24X24X2
LB-ASU-004	THE TRANE COMPANY	HVAC	M97M00408	(5) BX-136	(5) 12X24X12 BOX (25) 24X24X12 Box
1412072805	HEAT RECOVERY UNIT	LB	MCCA06UBO		(3) 16X20X2 (3) 16X25X2
LB-HRC-001	THE TRANE COMPANY	HVAC	K98L17935A	(6) 5VX-900	(9) 20X20X2 (9) 20X25X2
1412072806	AIR SUPPLY UNIT #5	LB			(4) 16X20X2
LB-ASU-005	THE TRANE COMPANY	HVAC	(2) A-44		

$$24 \times 24 \times 2 = 56$$

$$12 \times 24 \times 2 = 13$$

$$16 \times 20 \times 2 = 11$$

$$16 \times 25 \times 2 = 11$$

$$20 \times 20 \times 2 = 9$$

$$20 \times 25 \times 2 = 9$$

BUILDING D2

* 0510071101	HEATING & VENT UNIT #1	D2	DFIA1121FDNB4AAF430COABAVAXS	DISCONNECT/STARTER @ MCC-16A	(4) 20X20X2
D-HVU-001	THE TRANE COMPANY	HVAC	A99A30776	(1) BX-62	20X20X2
0510071102	HEATING & VENT UNIT #2	D2	DFIAI301FDNB47AF551000ABSS	DISCONNECT/STARTER @ MCC-16A	(24) 16X20X2
D-HVU-002	THE TRANE COMPANY	HVAC	A99A30777	(3) BX-124	6- 20X68
0510071103	HEATING & VENT UNIT #3	D2	DFIA1301FDNB4AFK41000ABSS	DISCONNECT/STARTER @ MCC-16D	(24) 16X20X2
D-HVU-003	THE TRANE COMPANY	HVAC	A99A30759	(2) BX-124	6- 20X68
* 0510071104	HEATING & VENT UNIT #4	D2	DFIA230IFDNB4ANP410COABSSA	DISCONNECT/STARTER @ MCC-16C	(42) 20X20X2
D-HVU-004	THE TRANE COMPANY	HVAC	A99A30760	(4) B-136	6- 20X140
0510071105	HEATING & VENT UNIT	D2	DFIA1221FNDB4AFJ410COABS	DISCONNECT/STARTER @ MCC-16C	(5) 16X20X2
D-HVU-005	THE TRANE COMPANY	HVAC	A99A30772	(2) BX-73	5- 20X57 (10) 20X20X2
0510072001	AIR SUPPLY UNIT #1	D2	FCBB1002	LP-16C, CKTS (10,12)	(1) 8 7/8X42 7/8X1
D-ASU-001	THE TRANE COMPANY	HVAC		NA	
0510072002	AIR SUPPLY UNIT #2	D2	FCBB1002	LP-16C, CKTS (14,16))	8 7/8X60X1
D-ASU-002	THE TRANE COMPANY	HVAC		NA	
0510072003	AIR SUPPLY UNIT #3	D2	MCCA030	DISCONNECT/STARTER @ MCC-16C	(16) 16X20X2
D-ASU-003	THE TRANE COMPANY	HVAC	K99B51317-20M	(2) AX-54	(4) 20X20X2
0510072601	SUPPLY FAN/MOTOR #	D2	135 VCR BI CW	DISCONNECT/STARTER @ MCC-16A	
D-SF-001	LOREN COOK COMPANY	HVAC	49C00347, 400294-020	(1) A-38	

20X20X2 (2)
 8 7/8 - 16 X 70 X 2

20X66X4 (12)
 20X20X2 (8)
 8X42 (1)
 20X140X4 (5)

20X54X4 (5)
 16X20X2 (16)
 8X60X1 (1)

* TWO UNITS ARE
 BEING CHANGE OUT
 DURING CURRENT R2D2
 PROJECT

BUILDING U

0508081105	HEATING & VENT UNIT #5	U	DFIA2251FDNB4AKL430COABSS	DISCONNECT/STARTER @ MCC-23E (42) 20X20X2	
U-HVU-005	THE TRANE COMPANY	HVAC	A99A30756	(3) BX-158	(6) 20x140
0508081106	HEATING & VENT UNIT #6	U	DFIA2251FDNB4AKL430COABSSAA	DISCONNECT/STARTER @ MCC-23J (42) 20X20X2	
U-HVU-006	THE TRANE COMPANY	HVAC	A99A30757	(3) BX-158	(6) 20x140
0508081107	HEATING & VENT UNIT #7	U	DFIA2251FDNB4AJK430COABSSAA	DISCONNECT/STARTER @ MCC-23J (42) 20X20X2	
U-HVU-007	THE TRANE COMPANY	HVAC	A99A30773	(3) BX-112 (2) B-158	(6) 20x140
0508081108	HEATING & VENT UNIT #8	U	DFIA2251FDNB4ANM41000ABS	DISCONNECT/STARTER @ MCC-23H (42) 20X20X2	
U-HVU-008	THE TRANE COMPANY	HVAC	A99A30774	(3) BX-112	(6) 20x140
0508081109	HEATING & VENT UNIT #9	U	DFIA1221FDNB4ACHY20COABAAXS	DISCONNECT/STARTER @ MCC-23I (10) 20X25X2	
7-GVU-009	THE TRANE COMPANY	HVAC	A99A30774	(1) B-104	(5) 20x57
0508082101	AIR SUPPLY UNIT #1	U	FCBB1202	LP-23BB,CKTS (15,17)	(1) 8 7/8X 60 3/4X 1
U-ASU-001	THE TRANE COMPANY	HVAC		NA	
0508082102	AIR SUPPLY UNIT #2	U	FCBB1202	LP-23BB, CKTS (40,42)	(1) 8 7/8 X 42 1/8X 1
U-ASU-002	THE TRANE COMPANY	HVAC		NA	
0508082103	AIR SUPPLY UNIT #3	U	FCBB1202	LP-23BB, CKTS (24,26)	(1) 8 7/8X 60 3/4X 1
U-ASU-003	THE TRANE COMPANY	HVAC		NA	
0508082104	AIR SUPPLY UNIT #4	U	MCCA017	DISCONNECT/STARTER @ MCC-23F (4) 16X20X2	
U-ASU-004	THE TRANE COMPANY	HVAC	K99A32702-06M	(1) BX-42	(8) 16X25X2
0508082105	AIR SUPPLY UNIT #5	U	MCCA030	DISCONNECT/STARTER @ MCC-23E (12) 20X20X2	
U-ASU-005	THE TRANE COMPANY	HVAC	K99A37271-75M	(2) B-56	(4) 20X25X2



BUILDING U

0508082106	AIR SUPPLY UNIT #6	U	MCCA030	DISCONNECT/STARTER @ MCC-23F (4) 16X20X2 (4) 20X20X2
U-ASU-006	THE TRANE COMPANY	HVAC	K99A32351-56M	(2) B-52 (8) 20X25X2
0508082107	AIR SUPPLY UNIT #7	U	FCBB0802	LP-23D, CKTS (10,12) 8 7/8X 42 1/8 X 1
U-ASU-007	THE TRANE COMPANY	HVAC		NA
0508082108	AIR SUPPLY UNIT #8	U	FCBB1202	LP-23D, CKTS (32,34) (1) 8 7/8X 60 3/4X 1
U-ASU-008	THE TRANE COMPANY	HVAC		NA <i>to 20x25x2/4x2</i>
0508082109	AIR SUPPLY UNIT #9	U	MCCA006	DISCONNECT/STARTER @ MCC-23E
U-ASU-009	THE TRANE COMPANY	HVAC	K99A32789-93M	(1) A-43 (4) 20x20x2
0508082110	AIR SUPPLY UNIT #10	U	FCBB1002	LP-23E, CKTS (32,34) (1) 8 7/8X 60 3/4X 1
U-ASU-110	THE TRANE COMPANY	HVAC		NA
0508082111	AIR SUPPLY UNIT #11	U	MCCA008	DISCONNECT/STARTER @ MCC-23H (4) 20X20X2
U-ASU-011	THE TRANE COMPANY	HVAC	K99A32987-992M	(1) A-50
0508082112	AIR SUPPLY UNIT #12	U	MCCA030	DISCONNECT/STARTER @ MCC-23H (2) 16X25X2
U-ASU-012	THE TRANE COMPANY	HVAC	K99A328329-34M	(1) A-42
0508082113	AIR SUPPLY UNIT #13	U		(1) 8 7/8X 60 3/4X 1
U-ASU-013		HVAC		
0508081101	HEATING & VENT UNIT #1	U	DFIA1251FDNB4AEJ410C0AB	DISCONNECT/STARTER @ MCC-23F (24) 16X20X2
U-HVU-001	THE TRANE COMPANY	HVAC	A99A30769	(2) BX-83 6-20x68
0508081102	HEATING & VENT UNIT #2	U	DFIA2201FDNB4AFK410C0ASS	DISCONNECT/STARTER @ MCC-23G (25) 16X20X2 5) 20x116
U-HVU-002	THE TRANE COMPANY	HVAC	A99430770	(3) B-83 (10) 20X20X2
0508081103	HEATING & VENT UNIT #3	U	DFI2221FDFDNB4AFK430C0ABSS	DISCONNECT/STARTER @ MCC-23H (30) 20X20X2
U-HVU-003	THE TRANE COMPANY	HVAC	A99A30755	(2) BX-128 5) 20x116

$0 \times 20 \times 2 = 20$
 $0 \times 25 \times 2 = 22$
 $0 \times 30 \times 2 = 87$
 $0 \times 25 \times 2 = 10$

~~20x20x2~~ 237 - 4 box 21 inch
 5 box 10 inch



BUILDING U

0508081104	HEATING & VENT UNIT #4	U	DFIA1221FDNB4AFS530COABSS	DISCONNECT/STARTER @ MCC-23I (30) 16X20X2
U-HVU-004	THE TRANE COMPANY	HVAC	A99A30771	(3) B-124 (5) 20X20X2 (5) 20x16

8 X 42 X 1 (2)
 16 X 25 X 2 (12)
 20 X 54 X M (5)
 20 X 110 X M (15)

8 X 60 X 1 (5)
 20 X 20 X 2 (28)
 16 X 20 X 2 (6)
 20 X 25 X 2 (24)
 20 X 66 X M (6)
 20 X 140 X M (24)

BUILDING 77

0906040701	SUPPLY FAN #1	77	DB-8	LP-19A, CKT12	<u>17 1/2X 15-X2</u>
77-SF-001	LOREN COOK COMPANY	HVAC	147S5411490000012102099-102{(1) AP-31		

15 X 17 X M (2)

BUILDING L1



0903070701	HEATING & VENT UNIT, PUMP RM	L1	(4) 16X25X2
HV-L-1		HVAC	(1) A-43

903070101	UNIT HEATER #1	L1	
AHU-L-1	THE TRANE COMPANY	HVAC	(1) 16X20X2

0505060400 FILTER RACK LOAD CENTER H1

(4) 16X24X1

H-FLT-01 FAN

0505060102 H1

(1) WASHABLE

ACU-H-2 CARRIER

21 1/2 X 23 1/2 X 1

0505060101 H1

(1) WASHABLE

ACU-H-1 CARRIER

21 1/2 X 23 1/2 X 1

Gas heater - Medicine

A-48

Freight carrier

~~in comments~~
2/2/74

(1) 16x20x1

TRAVE AHU Bathroom

A-44

(1) 16x20x1

~~(1) 16x20x1~~

(1) 20x20x1

20 x 72 x m (4)

16 x 24 x 1 (4)

16 x 24 x 2 (4)

20 x 20 x 1 (1)

21 x 23 x 1 (2)

BUILDING N3

0712050701	CABINET FAN/MOTOR #1	N3	DBF-15	DISCONNECT/STARTER @ MCC-13D	(1) 32X26 1/2X2
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N3-SF-001	LOREN COOK COMPANY	HVAC	14S5414900000763020299-068	(1)A -50
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0712050702	CABINET FAN/MOTOR #2	N3	DBF-10	DISCONNECT/STARTER @ MCC-13D	(1) 20X22X2
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N3-SF-002	LOREN COOK COMPANY	HVAC	90000020299-0859-1	(1) A-36
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32 X 26 X M (1)
20 X 22 X M (1)

BUILDING N2

0711050701	CABINET FAN/MOTOR #1	N2	DBF-15	DISCONNECT/STARTER @ MCC-13A	(1) 32X26 1/2X2
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N2-SF-001	LOREN COOK COMPANY	HVAC	147S5414900000763020299-068	(1) A-48
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0711050702	CABINET FAN/MOTOR #2	N2	DBF-10	DISCONNECT/STARTER @ MCC-13B	(1) 20X22X2
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N2-SF-002	LOREN COOK COMPANY	HVAC	90000020299-0859-1	(1) A-36
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32 X 26 X M (1)

20 X 22 X M (1)

BUILDING HH

0707070701 AIR SUPPLY UNIT #1 HH MCCA003UB0A DISCONNECT/STARTER @ MCC-21 (2) 16X25X2

HH-ADU-001 THE TRANE COMPANY HVAC K99A30831-36M (1) A-40

0707070702 AIR SUPPLY UNIT #2 HH TWE180B400CA DISCONNECT/STARTER @ MCC-21 (8) 15X20X2

HH-ASU-002 THE TRANE COMPANY HVAC N504H NJ6H 1 (1) B-62

BUILDING J2

0606070701	AIR SUPPLY UNIT #1	J2	TWE048C140B1	LP-12A, CKTS (22,24)	(1) 20X20X1
J-ASU-001	THE TRANE COMPANY	HVAC		NA	
0606071301	SUPPLY FAN/MOTOR #1	J2	DBF-15	DISCONNECT/STARTER @ MCC-12B	(1) 32X 26 1/2X2
J-SF-001	LOREN COOK COMPANY	HVAC	147S5414900000763020299-063	(1) A-45	
0606071302	SUPPLY FAN/MOTOR #2	J2	DBF-18	DISCONNECT/STARTER @ MCC-12D	(1) 40 1/2X 31 1/2X 2
J-SF-002	LOREN COOK COMPANY	HVAC	900000519010299-0625-3	(2) A-56 (2) A-57	

25X30xm (1)
 32X40xm (1)
 20X20X1 (1)

BUILDING S2

1302071301	HEATING & VENT UNIT #1	S2	DF0A118FNDA4ABH32AA0BFYW/	DISCONNECT/STARTER @ MCC-28	(9) 15X20X2
S-HVU-101	THE TRANE COMPANY	HVAC	A99A30762	BX-54	
1302071302	HEATING & VENT UNIT #2	S2	GRAA40PFKBON6JU20500FLR	DISCONNECT/STARTER @ MCC-28	(12) 20X20X2
S-HVU-102	THE TRANE COMPANY	HVAC	A99B32222	(2) BX-64	
1302073101	AIR SUPPLY UNIT #1	S2	TSCA35	DISCONNECT/STARTER @ MCC-28	(4) 16X25X2
S-ASU-101	THE TRANE COMPANY	HVAC		(2) BX-54 (2) BX-46	(16) 20X25X2
1302073102	AIR SUPPLY UNIT #2	S2	MCCA006GAV	DISCONNECT/STARTER @ MCC-28	(4) 16X20X2
S-ASU-102	THE TRANE COMPANY	HVAC	K99A32739-42M	(1) A-48	
1302073401	AIR SUPPLY UNIT #3	S2	MCCA014	DISCONNECT/STARTER @ MCC-28	(12) 16X20X2
S-ASU-201	THE TRANE COMPANY	HVAC		1 (1) BX-46	
1302073402	AIR SUPPLY UNIT #4	S2	MCCA014	DISCONNECT/STARTER @ MCC-28	(12) 16X20X2
S-ASU-201	THE TRANE COMPANY	HVAC	K99A3236-40M	BX-46	

15X20X2 (9)
 20X20X2 (8)
 16X20X2 (28)
 20X25X2 (16)
 16X25X2 (9)

BUILDING F

1401040101	AIR SUPPLY UNIT #1	F1	MZ-12	DP-P8, CKT 15	(2) 16X20X4
FASU-1	THE TRANE COMPANY	HVAC	K76E00053	(2)B45 (1) B-58	
1401050140	AIR HANDLING UNIT	F1		(2) 6-45 bag (2) 12x25x18	(4) 16X20X2
F1-AHU-1		HVAC		(1) 6-50 (3) 35x25x16 (1) 12x20x18 (1) 20x25x18	(8) 16X25X2
	CEILING HUNG IT	F1		(1) A-36	(1) 20X20X1
	DATA AIRE				
	IT ROOM	F1			(2) 16X20X4
	DATA AIRE			(1) A-42	

- 20x20x1 (1)
- 16x20x4 (2)
- 16x20x2 (4)
- 16x25x2 (8)
- 20x25x18 (1) BAG
- 20x25x18 (2) BAG
- 12x20x18 (1) BAG
- 12x25x18 (2) BAG

BUILDING GTW

1402060507	AIR SUPPLY UNIT #1	GTW	MVVA021	DISCONNECT/STARTER @ MCC-31A	(4) 16X20X2 (8) 16X25X2
G-ASU-001	THE TRANE COMPANY	HVAC		(2) BX-87 S (2) AX-78 R	(3) 20X24X18 (3) 24X24X18 BG
1402060508	AIR SUPPLY UNIT #2	GTW	MCCA035	DISCONNECT/STARTER @ MCC-31B	(8) 16X25X2 (12) 20X25X2
G-ASU-002	THE TRANE COMPANY	HVAC		5-3VX10000 S (2) A-96	(2) 20X24X18 (6) 24X24X18BG
1402060509	AIR SUPPLY UNIT #3	GTW	MCCA021	DISCONNECT/STARTER @ MCC-31B	(8) 16X25X2 (12) 20X25X2
G-ASU-004	THE TRANE COMPANY	HVAC		5-3VX1000 S (2) AX-85	(2) 20X24X18 (6) 24X24X18BG
1402060510	AIR SUPPLY UNIT #4	GTW	MCCA021	DISCONNECT/STARTER @ MCC-31B	(4) 16X20X2 (8) 16X25X2
G-ASU-004	THE TRANE COMPANY	HVAC		(2) BX-85 S (2) AX-78 R	(3) 20X24X18 (3) 24X24X18BG
1402060516	AIR SUPPLY UNIT # 6	GTW	BU042A-CA00		(1) 28 1/2 X 29 X 4
G-ASU-005	THE TRANE COMPANY	HVAC	441457-001	(1) A-39	(3) 20X24X18 (3) 24X24X18BG

L. 26

ATS

(1) B-39

(1) 16 X 20 X 2

G-ASU - ECS - TRANE

(1) - A-41

(2) 16 X 35 X 2

16 X 20 X 2 (8)

28 X 29 X 4 (1)

16 X 25 X 2 (48)

20 X 25 X 2 (12)

20 X 24 X 18 (10) BAG
24 X 24 X 18 (7) BAG

BUILDING CC1



0205070301	HEAT RECOVERY UNIT	CC1	XB-2-30D-1500	DISCONNECT/STARTER @ MCC-9A	(3) 12X24X2 (3) 24X24X2 SUP
CC-FRU-1	HEATEX INC	HVAC		(2) A-60 SUP (2) A-60 EX	(3) 24X24X2 EXH

BUILDING H2

0511070101	HEATING & VENT UNIT #1	H2	DFIA1151FD	DISCONNECT/STARTER @ MCC-26B	(9) 16X20X2
H-HVU-001	THE TRANE COMPANY	HVAC		(1) BX-68	
0511070102	HEATING & VENT UNIT #2	H2	DFIA1151FDNB4AAG6100EAVAXSS	DISCONNECT/STARTER @ MCC-26B	(9) 16X20X2
H-HVU-002	THE TRANE COMPANY	HVAC	A99A3052	(1) B-59	
0511070103	HEATING & VENT UNIT #3	H2	DFIA1221FD	DISCONNECT/STARTER @ MCC-26B	(12) 20X25X2
H-HVU-003	THE TRANE COMPANY	HVAC	Not used	(2) BX-96	
0511071001	AIR SUPPLY UNIT #1	H2	TWE048C140B	LP-26B, CKT 12	(1) 20X20X1
H-ASU-001	THE TRANE COMPANY	HVAC		NA	

16 X 20 X 2 (18)
 20 X 25 X 2 (12)
 20 X 20 X 1 (1)

BUILDING K2

0806070101	HEATING & VENT UNIT	K2	DFIA1151 FD	DISCONNECT/STARTER @ MCC-22B	(9) 16X20X2
K-HVU-001	THE TRANE COMPANY	HVAC		(2) BX-64	
0806070701	SUPPLY FAN/MOTOR	K2	DBF-10	LP-22, CKT 8	(1) 20X22X2
K-SF-001	LOREN COOK COMPANY	HVAC	147S5414900000585010299-0768	(1) A-37	

16 X 20 X 2 (9)
 20 X 22 X 2 (1)

BUILDING 302

1114030101	SUPPLY FAN/MOTOR #1	302	DBF-10	(1) 20X22X2
30-SF-001	LOREN COOK COMPANY	HVAC	147S541490000036010299-0787 (1) A-35	

20 X 22 X 14 (1)

BUILDING DD2

1211070101	HEATING & VENT UNIT #1	DD2	DFIA1181FDNB4ABG6600EAVAXSS	DISCONNECT/STARTER @ MCC-18B	(2) 16X25X2	<i>2-16x45"-13</i>
DD-HVU-001	THE TRANE COMPANY	HVAC	A99A30651	(1) 2 B-83	(2) 16X20X2	
1211070701	SUPPLY FAN/MOTOR #1	DD2	DBF-10	LP-18, CKT 17	(1) 20X22X2	
DD-SF-001	LOREN COOK COMPANY	HVAC	147S541490000032201029-0703	(1) A-37		
1211070702	SUPPLY FAN/MOTOR #2	DD2	RSFP-100-10	DISCONNECT/STARTER @ MCC-18A	NO FILTER	
DD-SF-002	GREENHECK FAN CORP	HVAC		(1) A-37- ON ROOF		

*20x22x m (1)
16x45x m (2)*