

To Provide Maintenance and Chemical Water Treatment Services  
For the Air Conditioning & Ventilation System at the Third Judicial Circuit

Attachment 1  
Hale Kaulike Equipment List (Revised March 24, 2010)

**HALE KAULIKE  
EQUIPMENT LIST**

**REVISED** DATE: MARCH 24, 2010

ITEM	TAG	QUANTITY	DESCRIPTION	AREA SERVED/LOCATION
<b>CHILLERS</b>				
1	CH-1, 2	2	Carrier model 19XR4242385CNH64, 460 ton hermetic centrifugal chiller, 460/3/60, with unit mounted variable speed drive, Cooler: 1100 gpm (Min/Max flow = 624.9/2499.6 gpm), Condenser: 1380 gpm (Min/Max flow = 681.1/2724.4 gpm)	Chiller Room
(Pony Chiller)	CH-3	1	Carrier model 30HK060 (Pony Chiller), 60 ton reciprocating chiller, 460/3/60, Cooler: 140.9gpm, Condenser: 176.4 gpm	Chiller Room
<b>COOLING TOWERS</b>				
2	CT-1,2	2	Marley Quadraflow model QF-23224, 40hp, 1800/900 rpm, 460/3/60, TEFC high efficiency motor, 1500gpm	Mechanical Yard
<b>CHILLED WATER PUMPS &amp; CONDENSER WATER PUMPS</b>				
3	CHWP-1,2,3	3	Taco model TA1230, Horizontal split case pump, impeller diameter 11.3 in., 1100 gpm@120'	Chiller Room
	CWP-1,2,3	3	Taco model TA1230, Horizontal split case pump, impeller diameter 10.4 in., 1380 gpm@80'	Mechanical Yard
	CHWP-4,5	2	Taco model F12511, End suction pump, impeller diameter 10.7 in, 140 gpm @ 120', 10 hp,	Chiller Room
(Pony Chiller)	CWP-4,5	2	Taco model F12509, End suction pump, impeller diameter 9.0 in, 180 gpm @ 75' hd, 7.5 hp, 460/3/60 premium efficiency motor	Mechanical Yard
<b>VFD (VARIABLE FREQUENCY DRIVES FOR CHILLED WATER PUMPS)</b>				
4	VFD (CHWP-1,2,3)	3	Part No. VLT6000H62, Variable Speed Drive, 60Hp, 460/3/60	
	VFD (CHWP-4,5)	2	Part No. VLT6000H11, Variable Speed Drive, 10Hp, 460/3/60	
			All VFD's are provided with the following:	
			NEMA Type 1 Enclosure	
			3-Contactor Bypass Package	
			Main Input Disconnect Switch and Fuses	
			Common Start/Stop relay	
			Undervoltage Control Relay	
			DC Bus Link Reactor	
<b>EXPANSION TANK</b>				
5	ET-1 (PS-1)	1	Taco model PS-060, 60 gallon plain steel expansion tank	Chiller Room Ceiling above CHW pumps 4 & 5

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<b>AIR HANDLER UNITS</b>				
6	AHU-1-1,1-2, 2-1,2-2,3-1,3-2	6	Carrier model 39MN50 Central Station Air Handling Unit 100 gpm, 25 hp, 460/3/60	AHU 1-1(Chiller Room), AHU 1-2(Elevator 4), AHU 2-1,2-2(2ndflrMechRm), AHU 3-1,3-2(3rdflrMechRm)
	AHU-1-3	1	Carrier model 39MN60 Central Station Air Handling Unit 150 gpm, 40 hp, 460/3/60	Client Services(Outside)
	AHU-B-1	1	Carrier model 39MN10 Air Handling Unit 26.8 gpm, 3 hp, 460/3/60	Basement Mechanical Room next to Sally port
	AHU-B-2	1	Carrier model 30MN06 Air Handling Unit 18.0 gpm, 1.5 hp, 460/3/60	Basement Hallway Corridor(Janitorial Supplies)
	AHU-B-3	1	Carrier model 39MN06 Air Handling Unit 15.0 gpm, 2 hp, 460/3/60	Basement Hallway Corridor(Janitorial Supplies)
	AHU-B-4	1	Carrier model 39MN06 Air Handling Unit 22.5 gpm, 1.5 hp, 460/3/60	Basement Hallway Corridor(Interview Rooms)
	AHU-B-5	1	Carrier model 42BHC12, 7.5 gpm, 1.5 hp, 460/3/60	Basement Control Station (Closer to Juvenile Cells)
	AHU-B-6	1	Carrier model 42BHC16, 11.0 gpm, 0.75 hp, 460/3/60	Basement Control Station
	AHU IDF 1-1	1	Carrier model 42BHC30, 22.0 gpm, 1.5 hp, 460/3/60	Above hallway next to Jury Assembly Women's restroom
	AHU EB/V-1 (ELV B-1)	1	Carrier model 42BHC08, 3.8 gpm, 1/3 hp, 120/1/60	ELV B-1(Elevator1Rm)
	AHU EB/V-2 (ELV B-2)	1	Carrier model 42BHC08, 3.4 gpm, 0.5 hp, 120/1/60	ELV B-2(Elevator4Rm)
	AHU EB/V-3 (ELV B-3), AHU EB/V-4 (ELV B-4)	2	Carrier model 42BHC08, 3.8 gpm, 1/3 hp, 120/1/60	ELV B-3(Elevator 5Rm),ELV B-4(Elevator7Rm)
	AHU 1-4	1	Carrier model 42BHC12, 6.0 gpm, 0.5 hp, 120/1/60	Blind Vendor ceiling
	AHU EB/V-5 (ELV B-5)		Carrier model 42BHC08BC3R60613BE987191101 120V	Basement Elevator Machine Room next to Janitor Break Room
	AHU EB/V-6 (ELV B-6)		Carrier model 42BHC12LC3R61210CE171531201 120V	Next to Elevator Machine Room 0088
<b>OUTSIDE AIR COILS (NO MOTORS)</b>				
	OA B-1	1	Carrier model 39MN10, 18.5 gpm	AHU B-1
	OA 1-1	1	Carrier model 39MN12, 20.9 gpm	AHU 1-1 above CHW pumps 4 & 5
	OA 1-2	1	Carrier model 39MN10, 18.5 gpm	First level Break Room A26 next to Wes office
	OA 1-3	1	Carrier model 39MN08, 16.2 gpm	AHU 1-3
	OA 2-1,2-2	2	Carrier model 39MN12, 20.9 gpm	AHU 2-1, AHU 2-2
	OA 3-1	1	Carrier model 39MN14, 19.0 gpm	AHU 3-1
	OA 3-2	1	Carrier model 39MN10, 18.5 gpm	AHU 3-2
<b>FAN COIL UNITS</b>				
7	FCU-IDF 1-1, 1-2	1	Carrier model 42DCA08BLCY6AKYY Fan Coil Unit 1.2 gpm, 1/5, 120/1/60	Ceiling above drinking fountain by Jury Assembly B,IDF Room next to elevator 7 lobby on 1st floor
	IDF 1-3	1	Carrier model 42DCA08BLCY6AKYY Fan Coil Unit 1.2 gpm, 1/5, 120/1/60	Ceiling above Supply Storage Drug Court side
	IDF 2-1, 2-2	1	Carrier model 42DCA08BLCY6AKYY Fan Coil Unit 1.2 gpm, 1/5, 120/1/60	IDF Room next to elevator 7 lobby on 2nd floor, Library ceiling back door
	IDF 3-1	1	Carrier model 42DCA08BLCY6AKYY Fan Coil Unit 1.2 gpm, 1/5, 120/1/60	IDF Room next to elevator 7 lobby on 3rd floor
	IDF 3-2		Carrier model 42DCA08BLCY6AKYY Fan Coil Unit 1.2 gpm, 1/5, 120/1/6C	Hallway next to breakroom close to elevator 4 on 3rd flr

