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**NEW AIR CONDITIONING UNIT SCHEDULE**

MARK	NEW AHU TAG	AHU MODEL NO.	NEW ACCU TAG	ACCU MODEL NO.	AREA SERVED	MANUF.	TOTAL BTUH	COIL SENSIBLE BTUH	SUPPLY CFM	O/A CFM	E.S.P INCHES OF H2O	VOLTAGE	COMP FLA	FAN FLA
AC-2A	AC-1-2A	16HH46	ACCU-1-2A	TTD748A	BLDG1 - SECR. 104, DATA 105	TRANE	39500	26400	1600	100	0.4	208/1	25.6	1.9
COMMENT														

**COOLING TOWER SCHEDULE (EXISTING TO REMAIN)**

PLAN MARK	MODEL NUMBER	TOWER TYPE	TOWER MATERIAL	OPERAT. WEIGHT	MAX. FLOW GPM	HEAD (FT.)	WATER ENT.	TEMP. LVG.	AMBIENT WB	DRIVE TYPE	FAN MOTOR DATA HP RPM	VOLT/PHASE	MANUFACTURER	REMARKS
CT	QUADRAFLOW 2250	WATER	FG	15,280	1080	12	95	85	79	GSR	40 1200	480/3	MARLEY	X

NOTES:  
 1. MANUFACTURE SHALL SUPPLY WRITTEN DOCUMENTATION AS TO WIND LOADING CONFORMING TO THE SOUTH FLORIDA BUILDING CODE AND ALSO COOLING TOWER PERFORMANCE CHARACTERISTICS.  
 2. PROVIDE TWO SPEED, ONE WINDING MOTOR.  
 3. PROVIDE THE FOLLOWING ADDITIONAL EQUIPMENT:  
 FAN GUARD  
 ACCESS DOOR  
 EXTENDED OIL LINE W/SIGHT GLASS  
 HOT WATER BASIN COVERS  
 DRIVESHAFT W/MOTOR OUTSIDE OF FAN CYLINDER  
 STAINLESS STEEL BOLTS

**NEW PUMP SCHEDULE**

MARK	MAKE	TYPE	GPM	FT OF HEAD	HP	VOLTS	PH	RPM	MODEL NO.	MIN.EFF	IMPELLER (IN)	REMARKS
CHWP-1	TACO	END SUCTION	432	160	30	480	3	1780	3013 FM	78%	4X3X13	
CHWP-2	TACO	END SUCTION	432	160	30	480	3	1780	3013 FM	78%	4X3X13	
CHWP-3	TACO	END SUCTION	432	160	30	480	3	1780	3013 FM	78%	4X3X13	

NOTES:  
 1. PUMPS TO BE BROZE FITTED CONSTRUCTION.  
 2. ALL PUMPS TO BE INSTALLED WIT TACO SUCTION DIFFUSER WITH STRAINER SCREEN AND TACO \* PLUS ONE\* MULTI-PURPOSE VALVE FOR METERING  
 5. Frame mounted

**EXISTING EXHAUST FANS SCHEDULE FOR TEST AND BALANCE ONLY**

TAG	CFM	S.P. IN. H2O	R.P.M	H.P.	VOLTS/PHASE	DRIVE	USE	REMARKS
SF-1	2850	0.5	870	3/4	277/1/60	BELT	KITCHEN SUPP. FAN	INTERLOCK WITH EF-1
SF-2	2000	0.25	870	1/4	277/1/60	DIRECT	MECH. ROOM 208	INTERLOCK WITH AHU10A & AHU11A
SF-3	1400	0.375	870	1/3	277/1/60	BELT	KILN ROOM 201A	SWITCH
EF-1	3825	0.75	880	1	277/1/60	BELT	KITCH. EXH. FAN	INTERLOCK WITH SF-1
EF-2	100	0.25	1200	105 WATTS	120/1/60	DIRECT	TOILETS	INTERLOCK WITH AC
EF-3	100	0.25	1200	105 WATTS	120/1/60	DIRECT	TOILETS	INTERLOCK WITH AC
EF-4	60	0.125	1050	50 WATTS	120/1/60	DIRECT	TOILETS	INTERLOCK WITH AC
EF-5	100	0.25	1200	105 WATTS	120/1/60	DIRECT	ELECTRICAL ROOM	ACTIVATE BY THERMOSTAT
EF-6	75	0.125	1050	50 WATTS	120/1/60	DIRECT	JAN. CLOS.	SWITCH WITH LIGHT
EF-7	300	0.25	1050	130 WATTS	120/1/60	DIRECT	STORAGE	ACTIVATE BY THERMOSTAT
EF-8	200	0.25	870	1/3	277/1/60	DIRECT	MECH. ROOM 208	INTERLOCK WITH AHU10A & AHU11A
EF-9	200	0.25	870	1/3	277/1/60	DIRECT	ELEC. SWTCH RM.210	ACTIVATE BY THERMOSTAT
EF-10	270	0.375	1450	1/10	120/1/60	DIRECT	TOIL. RM. 212&213	INTERLOCK WITH FCU-15A
EF-11	120	0.375	1550	70 WATTS	120/1/60	DIRECT	TOIL. RM. 217	INTERLOCK WITH FCU-18A
EF-12	120	0.375	1550	70 WATTS	120/1/60	DIRECT	TOIL. RM. 216	INTERLOCK WITH FCU-18A
EF-13	1700	0.375	960	1/2	277/1/60	BELT	KILN ROOM 201A	SWITCH
EF-14	270	0.375	1450	1/10	120/1/60	DIRECT	SOILED DROP 205B	INTERLOCK WITH AHU11A
EF-15	270	0.375	1450	1/10	208/1/60	DIRECT	ELECT. 204B	ACTIVATE BY THERMOSTAT
EF-16	400	0.375	710	1/6	120/1/60	BELT	KITCH. WAST. TREAT RM.	INTERLOCK WITH AC
EF-17	700	0.25	925	1/8	120/1/60	DIRECT	EQUIP. STOR. 801e	INTERLOCK WITH AC
EF-18	3125	0.25	860	1/3	120/1/60	BELT	FLAMB. STOR 900	CONTINUOUS
EF-19	250	0.375	940	1/6	120/1/60	DIRECT	ART LAB 201	SWITCH
EF-20	2100	0.375	870	1/2	277/1/60	DIRECT	SKILL LAB 214	SWITCH
EF-21	2280	0.375	870	1/2	277/1/60	0.05	SKILL LAB 215	SWITCH

**DUCTLESS SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE**

NEW TAG	AC-4-1A
DESIGNATION	BLDG 4
TYPE	TRANE
LOCATION	STORAGE 407A
ELECTRICAL	
VOLTS-PH-HZ	208-1-60
TOTAL POWER, KW	2.18
UNIT COOLING, SEER	9.05
SUPPLY FAN DATA	
SUPPLY AIR, CFM	600
NUMBER OF FANS	2
DRIVE MOTOR SIZE, HP	1/8
INDOOR COIL	
COIL ENTERING, fdb	80
COIL ENTERING AIR, fdb	67
MINIMUM SENSIBLE CAPACITY, MBH	12.7
MINIMUM TOTAL CAPACITY, MBH	17.0
MANUFACTURER	TRANE
MODEL NUMBER	TWH718A
OUTDOOR UNIT	
AMBIENT TEMPERATURE	95
FAN MOTOR, FLA	1
NUMBER OF COMPRESSORS	1
COMPRESSORS CURRENT EACH, RLA	7.6
MIN. STEPS CAPACITY CONTROL	1
MANUFACTURER	TRANE
MODEL NUMBER	TWH718A

**AIR BALANCE TABLE**

MARK	NEW TAG	BLDG#	SUPPLY CFM	RETURN CFM	O.A. CFM	EXHAUST CFM
FCU-2A	FCU-1-2A	BLDG 1	480	430	50	120
FCU-3A	FCU-1-3A	BLDG 1	1100	1000	100	
FCU-4A	FCU-1-4A	BLDG 1	1515	1365	150	
FCU-5A	FCU-1-5A	BLDG 1	1100	1000	100	
FCU-6A	FCU-1-6A	BLDG 1	480	430	50	120
FCU-7A	FCU-1-7A	BLDG 1	1770	1620	150	120
FCU-8A	FCU-1-8A	BLDG 1	1770	1620	150	120
FCU-9A	FCU-1-9A	BLDG 1	1770	1620	150	120
AHU-1A	AHU-1-1A	BLDG 1	6130	5670	260	150
FCU-15A	FCU-2-15A	BLDG 2	1515	1395	120	
FCU-16A	FCU-2-16A	BLDG 2	1515	1395	120	
FCU-17A	FCU-2-17A	BLDG 2	810	760	50	
FCU-18A	FCU-2-18A	BLDG 2	1770	1620	150	
FCU-19A	FCU-2-19A	BLDG 2	1515	1395	120	
AHU-10A	AHU-2-10A	BLDG 2	4200	4050	150	460
AHU-11A	AHU-2-11A	BLDG 2	4060	3910	150	150
AHU-12A	AHU-2-12A	BLDG 2	8985	8945	250	
AHU-13A	AHU-2-13A	BLDG 2	2620	2370	250	1820
AHU-14	AHU-2-14A	BLDG 2	2680	2430	250	
AHU-20A	AHU-3-20A	BLDG 3	2725	2450	275	
AHU-21A	AHU-3-21A	BLDG 3	3310	3160	150	
FCU-22A	FCU-4-22A	BLDG 4	1950	1800	150	
FCU-23A	FCU-4-23A	BLDG 4	1950	1800	150	60
FCU-24A	FCU-4-24A	BLDG 4	1950	1800	150	60
FCU-25A	FCU-4-25A	BLDG 4	1950	1800	150	60
FCU-26A	FCU-4-26A	BLDG 4	1950	1800	150	60
FCU-27A	FCU-4-27A	BLDG 4	1950	1800	150	60
FCU-28A	FCU-4-28A	BLDG 4	1950	1800	150	60
FCU-29A	FCU-4-29A	BLDG 4	1950	1800	150	60
FCU-30A	FCU-4-30A	BLDG 4	1950	1800	150	60
FCU-31A	FCU-5-31A	BLDG 5	1774	1624	150	60
FCU-32A	FCU-5-32A	BLDG 5	1774	1624	150	60
FCU-33A	FCU-5-33A	BLDG 5	1774	1624	150	60
FCU-34A	FCU-5-34A	BLDG 5	1774	1624	150	60
FCU-35A	FCU-5-35A	BLDG 5	1774	1624	150	60
FCU-36A	FCU-5-36A	BLDG 5	1774	1624	150	60
FCU-37A	FCU-5-37A	BLDG 5	1774	1624	150	60
FCU-38A	FCU-5-38A	BLDG 5	1774	1624	150	60
FCU-39A	FCU-5-39A	BLDG 5	1774	1624	150	60
FCU-40A	FCU-5-40A	BLDG 5	1774	1624	150	60
FCU-41A	FCU-5-41A	BLDG 5	1774	1624	150	60
FCU-42A	FCU-5-42A	BLDG 5	1774	1624	150	60
FCU-43A	FCU-5-43A	BLDG 5	1774	1624	150	160
FCU-44A	FCU-6-44A	BLDG 6	1774	1624	150	60
FCU-45A	FCU-6-45A	BLDG 6	1774	1624	150	60
FCU-46A	FCU-6-46A	BLDG 6	1774	1624	150	60
FCU-47A	FCU-6-47A	BLDG 6	1774	1624	150	60
FCU-48A	FCU-6-48A	BLDG 6	1774	1624	150	60
FCU-49A	FCU-6-49A	BLDG 6	1774	1624	150	360
FCU-50A	FCU-6-50A	BLDG 6	1950	1800	150	60
FCU-51A	FCU-1-51A	BLDG 1	1950	1800	150	
FCU-52A	FCU-52A	NO WORK	1075	925	150	

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 BUILDING DEPARTMENT  
 BCPS

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REVISIONS  
 02/23/18  
 BUILDING DEPARTMENT COMMENTS

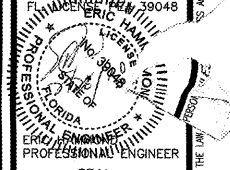
SEA CASTLE  
 ELEMENTARY SCHOOL  
 9600 MIRAMAR BOULEVARD  
 MIRAMAR, FLORIDA 33025

THE SCHOOL BOARD OF BROWARD COUNTY



MECHANICAL SCHEDULE CONTD

JOB PHASE: 100% SUBMITTAL  
 SBBC PROJECT: P-001632  
 DATE: 12.13.16  
 SCALE:  
 DRAWN BY: HA  
 CHECKED BY: E.H.  
 CAE PROJECT No. 2015.55



SEAL  
 DRAWING No.  
**M-402**