AIR HANDLING UNIT SCHEDULE

ITEM	AIRFLOW CFM		EXTERNAL STATIC PRESS. INWG	COOLING CAPACITY										HEATING FAPACITY							
				MAX. F.V. FPM	COIL P.D. INWG	TOTAL MBH	SENS. MBH	ENTERING AIR		LEAVING AIR		CHILLED WATER				COIL POSITION	COIL P.D. IN. WG	TOTAL MBH	ENTERING AIR °F	LEAVING AIR °F	HOT WATER			
	TOTAL	O.A.						DB °F	WB °F	DB °F	WB °F	GPM	IN °F	OUT °F	P.D. FT.						GPM	IN °F	OUT °F	P.D. FT.
AHU-1	3,020	3,020	0.6	550	2	245.4	137.6	96.0	77.0	53.6	52.6	50	45	55	10	PRE-HEAT	2	147	10.0	55.0	14.7	180.0	160.0	10
																RE-HEAT	2	66	55.0	75.0	6.6	180.0	160.0	10

1. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS. MOTOR HP SHALL NOT EXCEED 3HP.
2. UNIT SHALL BE DOUBLE WALL CONSTRUCTION WITH CONSTANT VOLUME FAN.
3. FAN STATIC PRESSURE SHALL BE SELCTED WITH A FILTER PRESSURE DROP ALLOWANCE OF 0.5 INWG.
4. PROVIDE MOTORIZED OA DAMPER AND 2 INCH PLEATED MERV 13 FILTERS.

FAN COIL UNIT SCHEDULE

ITEM	AIRFLOW CFM		EXT. STATIC INWG	COOLING CAPACITY										HEATING CAPACITY							MAX. MOTOR W
				TOTAL MBH	SENS. MBH	ENTERING AIR		LEAVING AIR		CHILLED WATER COIL				TOTAL MBH	ENTERING AIR °F	LEAVING AIR °F	HOT WATER COIL				
	TOTAL	O.A.				DB °F	WB °F	DB °F	WB °F	GPM	IN °F	OUT °F	P.D. FT.				GPM	IN °F	OUT °F	P.D. FT.	
FC-1	1,200	340	0.4	28.7	23.1	74.6	63.8	55.0	54.5	6.0	45.0	55.0	2	46	55.0	90.0	4.6	180.0	160.0	2	850
FC-2	1,200	340	0.4	28.7	23.1	74.6	63.8	55.0	54.5	6.0	45.0	55.0	2	46	55.0	90.0	4.6	180.0	160.0	2	850
FC-3	1,940	440	0.4	45.0	37.0	74.9	63.5	55.0	54.5	9.0	45.0	55.0	2	74	55.0	90.0	7.4	180.0	160.0	2	1,148
FC-4	1,570	495	0.4	39.7	31.1	75.0	63.7	55.0	54.5	8.0	45.0	55.0	2	60	55.0	90.0	6.0	180.0	160.0	2	1,148
FC-5	1,200	340	0.4	28.7	23.1	74.6	63.8	55.0	54.5	6.0	45.0	55.0	2	46	55.0	90.0	4.6	180.0	160.0	2	850
FC-6	1,200	340	0.4	28.7	23.1	74.6	63.8	55.0	54.5	6.0	45.0	55.0	2	46	55.0	90.0	4.6	180.0	160.0	2	850
FC-7	1,200	340	0.4	28.7	23.1	74.6	63.8	55.0	54.5	6.0	45.0	55.0	2	46	55.0	90.0	4.6	180.0	160.0	2	850
FC-8	1,370	385	0.4	31.6	25.7	75.2	63.9	55.0	54.5	6.0	45.0	55.0	2	52	55.0	90.0	5.2	180.0	160.0	2	850
FC-9	1,220	--	0.5	24.8	23.4	74.7	62.5	55.0	54.5	5.0	45.0	55.0	2	47	55.0	90.0	4.7	180.0	160.0	2	850

1. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS.
2. FAN COILS SHALL BE VERTICAL TYPE. MAXIMUM FOOT PRINT SHALL NOT EXCEED 22" x 27".
3. PROVIDE UNITS WITH 2" PLEATED MERV 13 FILTERS.

AIR-COOLED CHILLER SCHEDULE

ITEM	CAPACITY TONS	MAX. COMP. KW	CHILLED WATER				COND. AIR °F	REMARKS
			GPM	IN °F	OUT °F	P.D. FT		
CH-1	43.4	47.8	108	55.0	45.0	11.5	95	SCROLL COMRESSORS MINIMUM OF 4 STEPS OF UNLOADING

1. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS.
2. PROVIDE CHILLER WITH FACTORY LOUVERED COVERS AROUND BOTTOM OF CHILLER FROM GROUND TO TOP OF UNIT.
3. MINIMUM EFFICIENCY OF 10 EER AND 11.5 IPLV.

GAS-FIRED BOILER SCHEDULE

ITEM	INPUT CAPACITY MBH	OUTPUT CAPACITY MBH	HOT WATER			REMARKS
			GPM	IN °F	OUT °F	
B-1	495	420	42	160	180	NON CONDENSING COPPER FIN TYPE BOILER
B-2	495	420	42	160	180	NON CONDENSING COPPER FIN TYPE BOILER

1. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS.
2. PROVIDE BOILERS WITH STACKING FRAME.
3. MINIMUM EFFICIENCY OF 85%.
4. PROVIDE BOILER WITH MANUFACTURERS MICROPROCESSOR BASED SEQUENCING CONTROLLER.

US ARMY CORPS OF ENGINEERS SAVANNAH

SYMBOL	DESCRIPTION	DATE	BY

DESIGNED BY: REL
DWN BY: REL
CKD BY: TAM
SUBMITTED BY:
DATE: 25 JAN 2010
SOLICITATION NO: W912HN-09-R-0018
CONTRACT NO:
CATEGORY CODE: 730-46-01
PLOT DATE:
FILE NAME: BRHM-001
SIZE: 34x22
PLOT SCALE: 1:1

U. S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH DISTRICT

LS3P ASSOCIATES LTD.
205 ½ KING STREET
CHARLESTON, SC 29401

ALBRITTON JUNIOR HIGH SCHOOL ADDITION
FT BRAGG NORTH CAROLINA

MECHANICAL SCHEDULES

PLATE REFERENCE NUMBER
M-002
SHEET 72