PUMP SCHEDULE

ITEM	SERVICE	FLOW RATE GPM	TOTAL HEAD FT. W.G.	MAX. MOTOR HP	MIN. EFF.	TYPE	REMARKS
P–1	CHILLED WATER	108	60	3.0	55%	IN–LINE	1760 RPM CONSTANT VOLUME PUMP
P–2	CHILLED WATER	108	60	3.0	55%	IN–LINE	1760 RPM CONSTANT VOLUME PUMP
P–3	HOT WATER	68.6	30	1.0	52%	IN–LINE	1760 RPM CONSTANT VOLUME PUMP
P–4	HOT WATER	68.6	30	1.0	52%	IN–LINE	1760 RPM CONSTANT VOLUME PUMP
P–5	BOILER	42	10	1/4	52%	IN–LINE	1760 RPM CONSTANT VOLUME PUMP
P–6	BOILER	42	10	1/4	52%	IN–LINE	1760 RPM CONSTANT VOLUME PUMP

1. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS.

UNIT HEATER SCHEDULE

ITEM	AIRFLOW CFM	HEATING CAPACITY							MAX. MOTOR HP	REMARKS
		TOTAL MBH	ENTERING AIR °F	LEAVING AIR °F	HOT WATER					
					GPM	IN °F	OUT °F	P.D. INWG		
UH–1	340	10	60	90	1.0	180	160	–	1/4	HORIZONTAL TYPE WALL MOUNTED T–STAT

DUCTLESS SPLIT SYSTEM AIR CONDITIONER SCHEDULE

OUTDOOR UNIT	INDOOR UNIT	AIR CAPACITY CFM		EXT. STATIC INWG	COOLING CAPACITY @ 95 °F O.A.				ELECTRIC HEATER KW	REMARKS
		TOTAL	O.A.		TOTAL MBH	SENS. MBH	ENTERING AIR			
							DB °F	WB °F		
DAC–1	DAH–1	310	--	--	9.9	7.8	80	67	--	WALL MOUNTED INDOOR UNIT

1. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS.
2. PROVIDE UNIT WITH CONDENSATE PUMP AND WALL MOUNTED THERMOSTAT.

FAN SCHEDULE

ITEM	AIRFLOW CFM	EXT. STATIC INWG	TYPE	MAXIMUM SONE RATING	MAX. MOTOR HP	REMARKS
EF–1	715	0.50	DIRECT DRIVE ROOFTOP CENTRIFUGAL	6.5	1/4	INTERLOCK W/ AHU–1
EF–2	360	0.4	IN–LINE CENTIFUGAL DIRECT DRIVE	2.5	350W	INTERLOCK W/ AHU–1
SF–1	650	0.3	WALL MOUNTED PROPELER	7.9	1/12	T–STAT CONTROL

1. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS.

MECHANICAL LEGEND

⊠ ———		SUPPLY AIR DUCT
⊠ - - - - - -		RETURN AIR DUCT OR EXHAUST DUCT
——►		DUCT TRANSITION
XY/Z		X=DIFFUSER TYPE / Y=THROW Z=AIRFLOW, CFM
	MD	MANUAL DAMPER
	FD	FIRE DAMPER
		TURNING VANES
		FLEXIBLE DUCT CONNECTION
Ⓣ		COMBINATION TEMPERATURE/HUMIDITY SENSOR
Ⓢ		DUCT SMOKE DETECTOR
	P	PUMP
	DCW	DOMESTIC COLD WATER
	EF	EXHAUST FAN
	SF	SUPPLY FAN
	AD	ACCESS DOOR
	DIA	DIAMETER
	OA	OUTSIDE AIR
	UG	UNDERGROUND
—— HWS ——		HOT WATER SUPPLY PIPING
—— HWR ——		HOT WATER RETURN PIPING
——CHWS——		CHILLED WATER SUPPLY PIPING
——CHWR——		CHILLED WATER RETURN PIPING
——⋈——		SHUTOFF VALVE

DIFFUSER/GRILLE SCHEDULE

DESIGNATION	DESCRIPTION
A	6"x6" NECK CEILING DIFFUSER, 2'x2' LAY–IN FRAME
B	9"x9" NECK CEILING DIFFUSER, 2'x2' LAY–IN FRAME
C	12"x12" NECK CEILING DIFFUSER, 2'x2' LAY–IN FRAME
D	15"x15" NECK CEILING DIFFUSER, 2'x2' LAY–IN FRAME
E	28"x24" HEAVY DUTY RETURN GRILLE, 1/2" BLADE SPACING, 45° DEFLECTION
G	1'x2' EGGCRATE EXHAUST REGISTER, FLANGED FRAME
H	1'x1' EGGCATE EXHAUST REGISTER, FLANGED FRAME
J	1'x2' EGGCATE EXHAUST REGISTER, LAY–IN FRAME
K	9"x9" NECK CEILING DIFFUSER, FLANGED FRAME

1. SOUND LEVEL FOR HEAVY DUTY RETURN GRILLE SHALL NOT EXCEED NC 30 AT DESIGN AIRFLOW.

US ARMY CORPS OF ENGINEERS SAVANNAH

BY	DATE	DESCRIPTION	SYMBOL

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: 24x22
PLOT SCALE: 1/1

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

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

ALBRITTON JUNIOR HIGH SCHOOL ADDITION
FT BRAGG NORTH CAROLINA

MECHANICAL SCHEDULES & LEGEND

PLATE REFERENCE NUMBER
M-001
SHEET 71