

INSULATION SCHEDULE										
EQUIPMENT OR SYSTEM SERVED	TYPE (A)		JACKETING CLASS (B)			THICKNESS IN				
	INTERIOR CONCEALED	INTERIOR EXPOSED	INTERIOR CONCEALED	INTERIOR EXPOSED	COLOR	NOMINAL PIPE SIZE IN				DUCTWORK (C)
						1/2 - 1-1/4	2 - 4	5 - 6	8 & UP	
CHWS, CHWR,	FE ---	FE ---	0 ---	---	LT BLUE	1/2	3/4	1	1	
HWS, HWR, HGS, HDR	FG ---	---	1 ---	---	ORANGE	1	2	2-1/2	3	
STEAM & COND	FG ---	---	1 ---	---		1-1/2	2-1/2	3	3	
DUCTWORK	FG	FG (D)	2	2 & 3	WHITE					2

(A) FG --- FIBROUS GLASS
FE --- FLEXIBLE ELASTOMERIC

(B) 0 --- NONE
1 --- ALL SERVICE
2 --- ALUMINUM FOIL
3 --- PAINTED CANVAS
4 POLYVINYL CHLORIDE (COLORED)

(C) OUTDOOR AIR & EXHAUST AIR WITHIN
20 FEET OF BUILDING EXIT POINT(S)
(D) RIGID BOARD










SET POINT SCHEDULE			
COOLING		HEATING	
OCCUPIED	UNOCCUPIED	OCCUPIED	UNOCCUPIED
75F/50%RH	80F/60%RH	70F/30%RH	55F/60%RH

DIFFUSER/REGISTER SCHEDULE			
UNIT #	TYPE	FACE SIZE	BASIS OF DESIGN MFR / MODEL
D-1	(1) 1-1/2" LINEAR SLOT	48x4	AIRITE/ARD
D-2	CEILING DIFFUSER	24x24	PRICE/SCD
R-1	RETURN REGISTER	24x24	PRICE/ PFRF

CONTROL VALVES						
SYSTEM	SERVICE	CONFIG.	MEDIUM	TYPE	FAIL POSITION	REMARKS
VAV (ALL)	REHEAT COIL	2-WAY	WATER	BALL	LAST	
RAD (ALL)	RADIANT PANEL	2-WAY	WATER	BALL	LAST	

PUMPS' SCHEDULE										
UNIT #	MFR/MODEL Ⓐ	SUCTION/ DISCHARGE IN	FLOW RATE GPM	HEAD FT	BHP	HP	ELEC V/PH	IMPELLER DIA IN	MOTOR RPM	INTERCAL VFD
HW-1 & 2	GRUNDFOS MAGNA 65-120	2 / 2	20 Ⓐ	32	0.41	1	208/3	5.6	1760	●

Ⓐ 30% ETHYLENE GLYCOL SOLUTION

	LEGEND
—	PROPOSED
---	EXISTING
----	EXISTING TO BE REMOVED
CA	COMPRESSED AIR
CHWR	CHILLED WATER RETURN (CHR)
CHWS	CHILLED WATER SUPPLY (CH)
COND	CONDENSATE
C.O.	CLEAN OUT
DCHWS	DOMESTIC COLD WATER SUPPLY
DHWS	DOMESTIC HOT WATER SUPPLY
DSD	DUCT SMOKE DETECTOR
EA	EXHAUST AIR
EF	EXHAUST FAN
FOU	FAN COIL UNIT
FD	FIRE DAMPER
HGS	HOT GLYCOL SUPPLY
HGR	HOT GLYCOL RETURN
HPS	HIGH PRESSURE STEAM
HRC	HEAT RECOVERY COIL
HWR	HEATING WATER RETURN (HWHR)
HWS	HEATING WATER SUPPLY (HWHR)
LPS	LOW PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
OA	OUTSIDE AIR
PRV	PRESSURE REDUCING VALVE
RA	RETURN AIR
SA	SUPPLY AIR
UNO	UNLESS NOTED OTHERWISE
WC	WATER COLUMN
	CONNECT TO EXISTING
	STRAINER
	GATE VALVE
	SWING CHECK VALVE
	BALL VALVE
	BUTTERFLY VALVE
	2-WAY CONTROL VALVE
	TEMPERATURE SENSOR
	FLOW REGULATOR WITH SHUT-OFF

EXPANSION TANK / AIR SEPARATOR SCHEDULE (BASE PROJECT)								
UNIT # ET/AS=	EXPANSION TANK			AIR SEPARATOR		FILL VALVE SETTING PSIG	RELIEF VALVE SETTING PSIG	
	TANK TYPE	VOLUME GAL	ACCEPT. VOLUME	DIMENSIONS DIA x H	FLOW RATE GPM			MAX PD FT
HW	BLADDER	22	12	16x38	20	3	30	75

