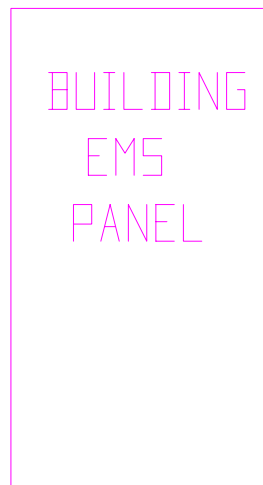


SEQUENCE OF OPERATION

	PUMP	VI	V3	V4
HEATING MODE	OFF	0	0	C
INITIAL CALL FOR COOLING BY TX OR HX OR ANY CHILLED WATER VALVE INSTRUCTED TO OPEN	MIN SPEED	MOD	C	MOD
VFD STARTS PUMP TO MINIMUM SPEED				
V4 MODULATES TO MAINTAIN DP SET POINT				
DP DROPS BELOW SET POINT V4 CLOSE & VFD MODULATES PUMP SPEED TO MAINTAIN DP SET POINT	MOD	MOD	C	C
VI WILL MODULATE TO MAINTAIN TRL SET POINT OF 62° F. IF TX OR HX EXCEED SET POINT, RESET TRL SET POINT DOWN.				
IF FLOW DROPS TO ZERO OR IF TEMPERATURE DIFFERENCE BETWEEN TSB AND TRB DROPS TO ZERO, OR ALL CHILLED WATER VALVES ARE CLOSED, STOP PUMP (WITH 30 MINUTE RESTART DELAY) & RESET VALVES TO HEATING MODE.				
IF PUMP FAILS, SEND ALARM (OR START BACK-UP PUMP)				

INPUT

TSL
TRL
TSB
TRB
TB
TPI
FM
PSL
PSB
PRB
PRL
PSE
DP
PL
TI
HI
TX
HX



OUTPUT

VFD
VFD TO BACK-UP PUMP IF PRESENT
VI
V3 IF AUTOMATIC
V4