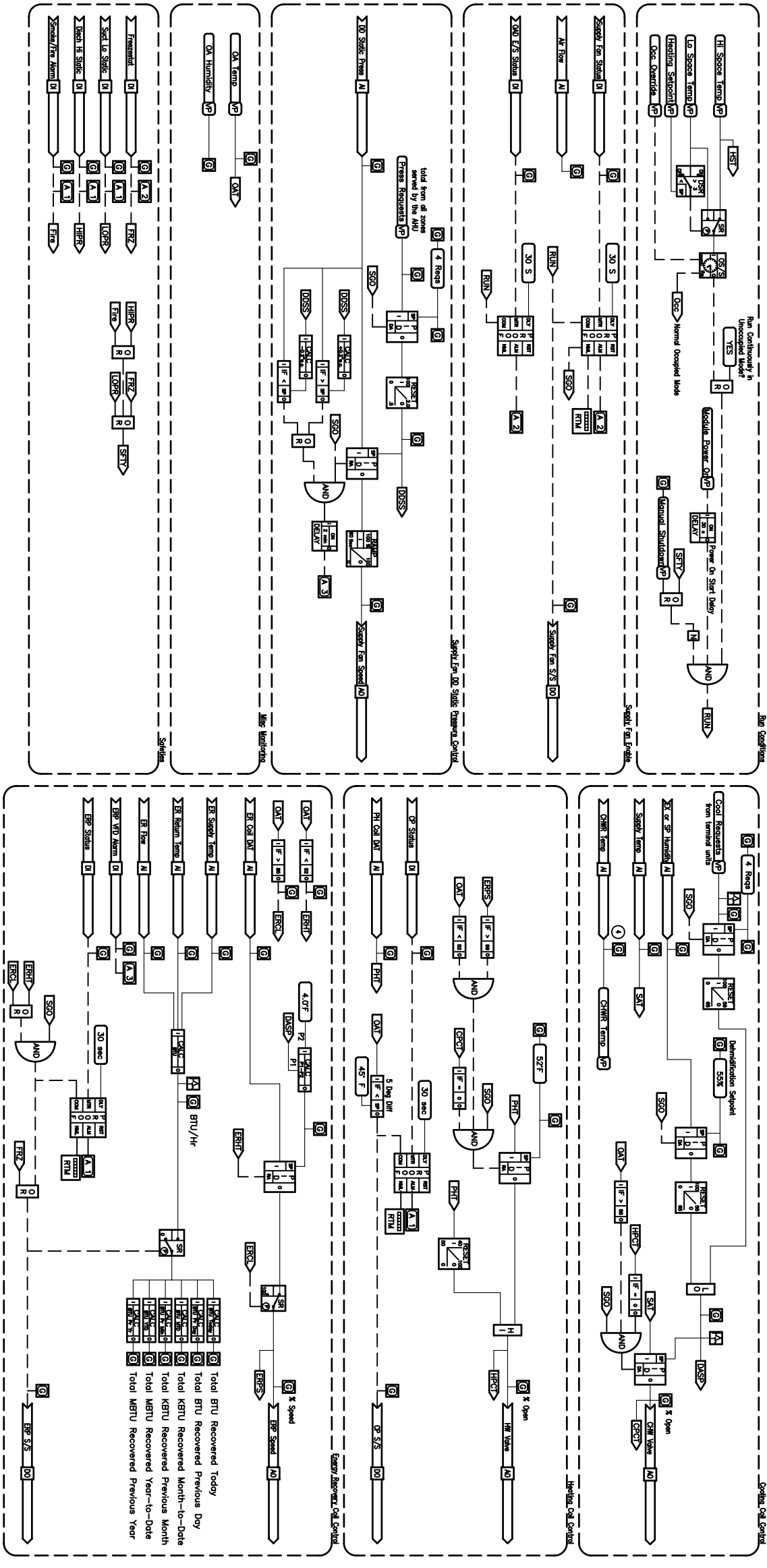




















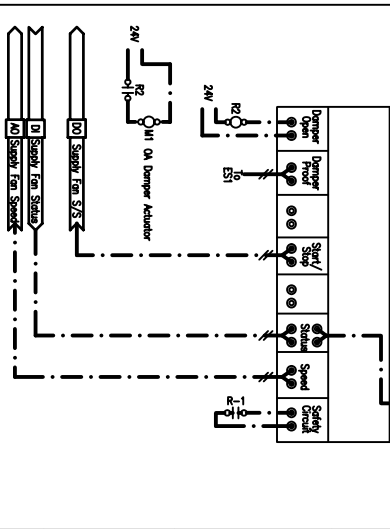
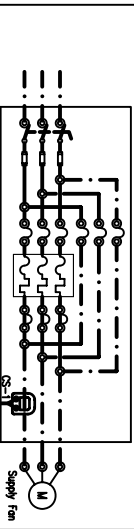
100% OA VAV AH WITH PREHEAT & CHW COIL



POINTS LIST						
ADDRESS	POINT DESCRIPTION	POINT TYPE				REMARKS
		DI	AI	DO	AO	
	Supply Fan S/S			*		
	Supply Fan Status				*	
	Supply Fan Speed					
	ID Static Press					
	Supply Temp					
	Air Flow					
	Disch HI Static			*		
	Suct Lo Static			*		
	PH Coil DAT					
	Freeze/stop			*		
	QAO E/S Status			*		
	ER Coil DAT			*		
	CHW Valve			*		
	HW Valve			*		
	Circ Pump S/S		*			See Note 5
	Circ Pump Status		*			See Note 5
	Smoke/Fire Alarm				*	Interface Point
	VPD Alarm/Fault				*	Interface Point
	VPD Fault Code				*	Interface Point
	VPD Sd Feedback				*	Interface Point
	VPD kW				*	Interface Point
	VPD In Bypass				*	
	ER Pump S/S		*			
	ER Pump Status		*			
	EPF VFD Alarm		*			*
	EPF Speed					
	ER Supply Temp			*		
	ER Return Temp			*		
	ER Flow			*		
	CHW Return Temp			*		
	EX or SP Humidity			*		

LOGIC VARIABLES

BINARY	ANALOG	DESCRIPTION
DOGE 		ON WHEN OCCUPIED MOORE ACTIVE
FLUID 		ON WHEN UNIT COMMANDED TO START
ESGD 		ON WHEN SUPPLY FAN ENGAGED AND STATUS PROVEN
HIPHR 		ON WHEN HIGH STATIC PRESSURE SWITCH IS IN ALARM
LOPR 		ON WHEN LOW STATIC PRESSURE SWITCH IS IN ALARM
IFRC 		ON WHEN FREEZESIN IS IN ALARM
FLIC 		ON WHEN FIRE ALARM IS ACTIVE
SAFETY 		ON WHEN ANY UNIT SHUTDOWN SAFETY IS ON
LHST 		VARIALE COULDAED VALUE OF HIGHEST SPACE TEMPERATURE
LOAT 		VARIALE VALUE OF OUTSIDE AIR TEMPERATURE
LSAT 		VARIALE VALUE OF SUPPLY AIR TEMPERATURE
LPHT 		VARIALE VALUE OF PREHEAT AIR TEMPERATURE
LCOP 		VARIALE COULDAED VALUE OF CHM WALE POSITION
HHCT 		VARIALE COULDAED VALUE OF CHM WALE POSITION
LDOS 		VARIALE COULDAED VALUE OF DOWN DUCT STATIC PRESSURE SETPOINT
LEPS 		VARIALE COULDAED VALUE OF ENERGY RECOVERY PUMP SPEED
ERHT 		ON WHEN ENERGY RECOVERY SYSTEM ENGAGED IN HEATING MODE
ERCL 		ON WHEN ENERGY RECOVERY SYSTEM ENGAGED IN COOLING MODE



SAFETY INTERLOCK DETAIL