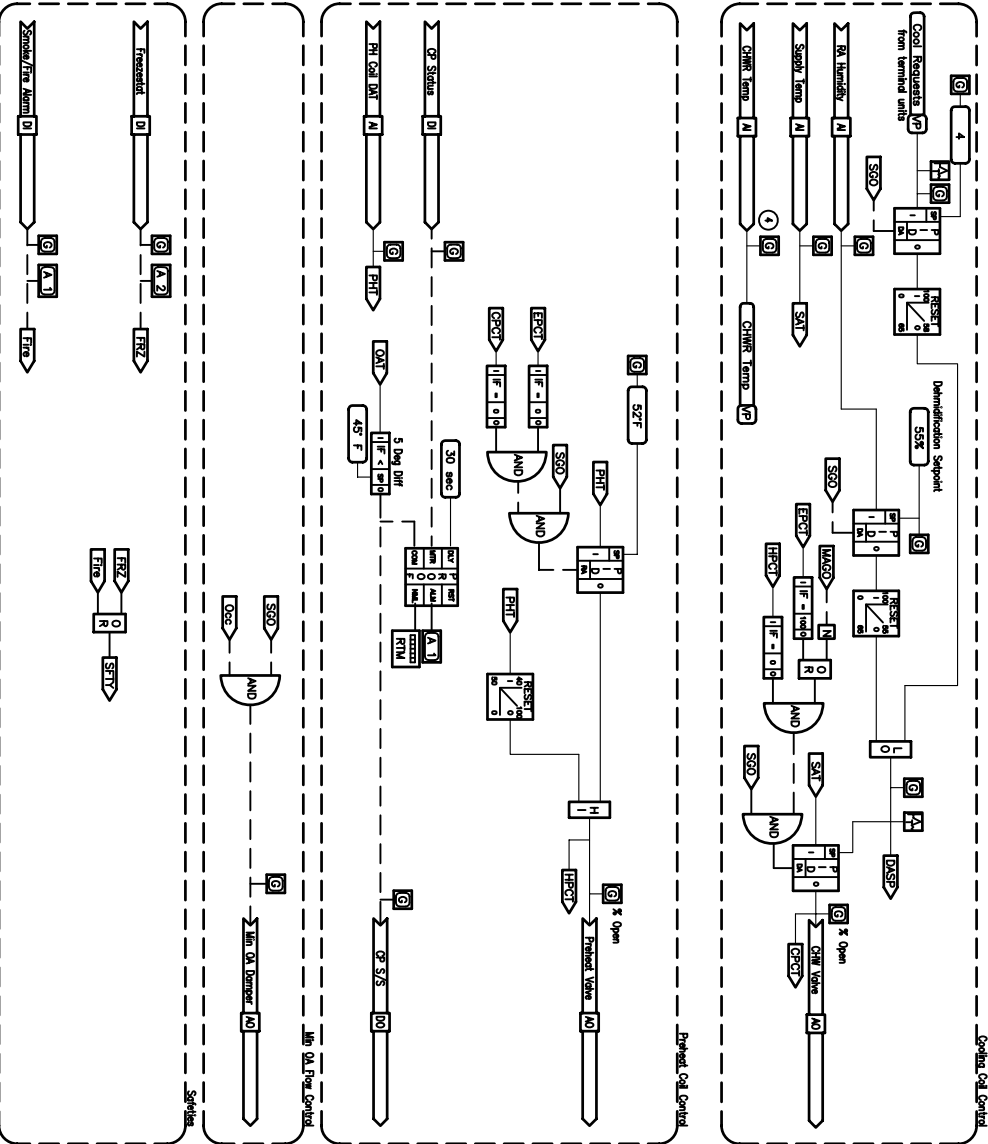
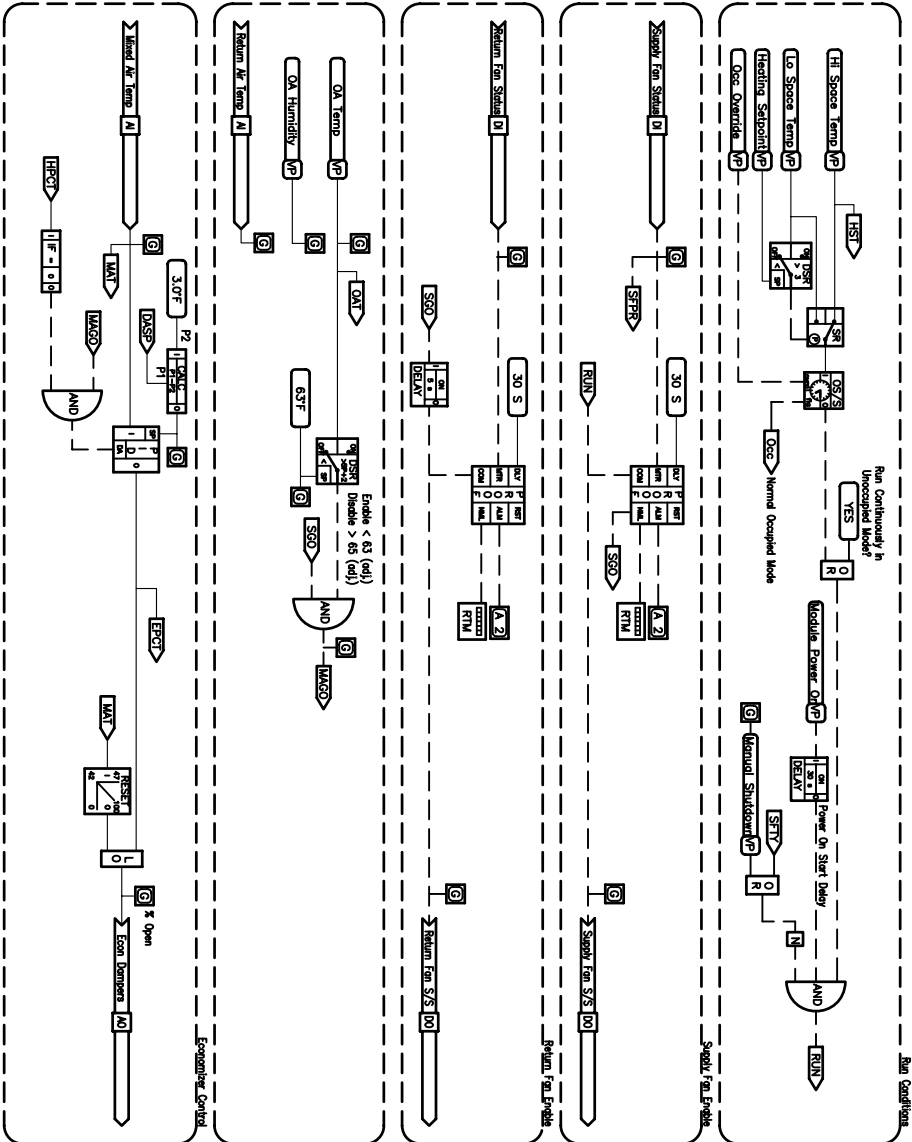


SINGLE DUCT CV AH WITH PREHEAT & CHW COIL, MIN OA DAMPER & RETURN FAN



POINTS LIST									
ADDRESS	POINT DESCRIPTION	POINT TYPE					REMARKS		
		DI	AI	DO	AO	IP			
	Supply Fan S/S		*						
	Supply Fan Status		*						
	Return Fan S/S		*						
	Return Fan Status		*						
	Supply Temp		*						
	PH Coil DAT		*						
	Freeze/act		*						
	Mixed Air Temp		*						
	Return Air Temp		*						
	Preheat Valve		*				See Note 3		
	Circ Pump Status		*				See Note 3		
	CHW Valve		*						
	Economizer		*						
	Min OA Damper		*						
	Humidity		*						

C VARIABLES

BINARY	ANALOG	DESCRIPTION
[OC]		ON WHEN OCCUPIED MODE ACTIVE
[RUN]		ON WHEN UNIT COMMENCED TO START
[SH]		ON WHEN SETBACK HEATING MODE ACTIVE
[SC]		ON WHEN SETBACK COOLING MODE ACTIVE
[WUP]		ON WHEN WARM-UP MODE ACTIVE
[CDN]		ON WHEN COOL-DOWN MODE ACTIVE
[SDO]		ON WHEN SUPPLY FAN ENERGIZED AND STATUS PROVEN
[IMAGO]		ON WHEN OA CONDITIONS ALLOW ECONOMIZER CONTROL
[FRZ]		ON WHEN FREEZE/STAG IS IN ALARM
[FIRE]		ON WHEN FIRE ALARM IS ACTIVE
[STTY]		ON WHEN AIR UNIT SHUTDOWN SAFETY IS ON
[TST]		VARIABLE CALCULATED VALUE OF HIGHEST SPACE TEMPERATURE
[OAT]		VARIABLE VALUE OF OUTSIDE AIR TEMPERATURE
[SAT]		VARIABLE VALUE OF SUPPLY AIR TEMPERATURE
[FHT]		VARIABLE VALUE OF PREHEAT AIR TEMPERATURE
[LAT]		VARIABLE VALUE OF MIXED AIR TEMPERATURE
[DASP]		VARIABLE CALCULATED VALUE OF DISCHARGE TEMPERATURE SETPOINT
[OFC]		VARIABLE CALCULATED VALUE OF CHW VALVE POSITION
[HEFC]		VARIABLE CALCULATED VALUE OF RH VALVE POSITION
[EFC]		VARIABLE CALCULATED VALUE OF ECONOMIZER PID OUTPUT

The University of North Carolina
Chapel Hill, North Carolina

Standard Control Drawings



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL



NO.	DESCRIPTION	DATE

REV. 5

SINGLE DUCT
CV AH WITH
PREHEAT &
CHW COIL, MIN
OA DAMPER &
RETURN FAN

00 OF 00
SHEET NUMBER

C-1.07

DWG NUMBER

Software Logic Diagram