

REVISIONS		
NO.	DESCRIPTION	DATE



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL



The University of North Carolina
Chapel Hill, North Carolina

Standard Control Drawings

File	ACDS
Drawn	KDS
Checked	---
Issued	06/06/2010
Job No.	N/A
Scale	N/A
Print Code	---

Revision 5

LAB FLOW
TRACKING ZONE
WITH HOOD

00 OF 00
SHEET NUMBER

C2.05a

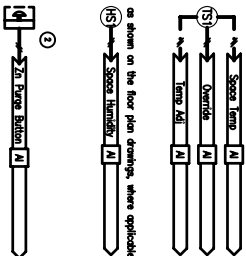
DWG NUMBER

POINTS LIST							
ADDRESS	POINT DESCRIPTION	POINT TYPE					REMARKS
		I	AI	DO	AO	V	
	Override	*					
	Space Temp		*				
	Temp. Air		*				
	Space Humidity		*				
	Supply VP				*		
	Supply LP				*		
	Supply Temp		*				
	Return Vena				*		
	Gen. Exhaust VP		*				
	Gen. Exhaust LP		*				
	Exhaust VP		*				
	Exhaust LP		*				
	SA. Exhaust Duct				*		
	Flow + Flow		*				
	Emergency Drip Button	*					

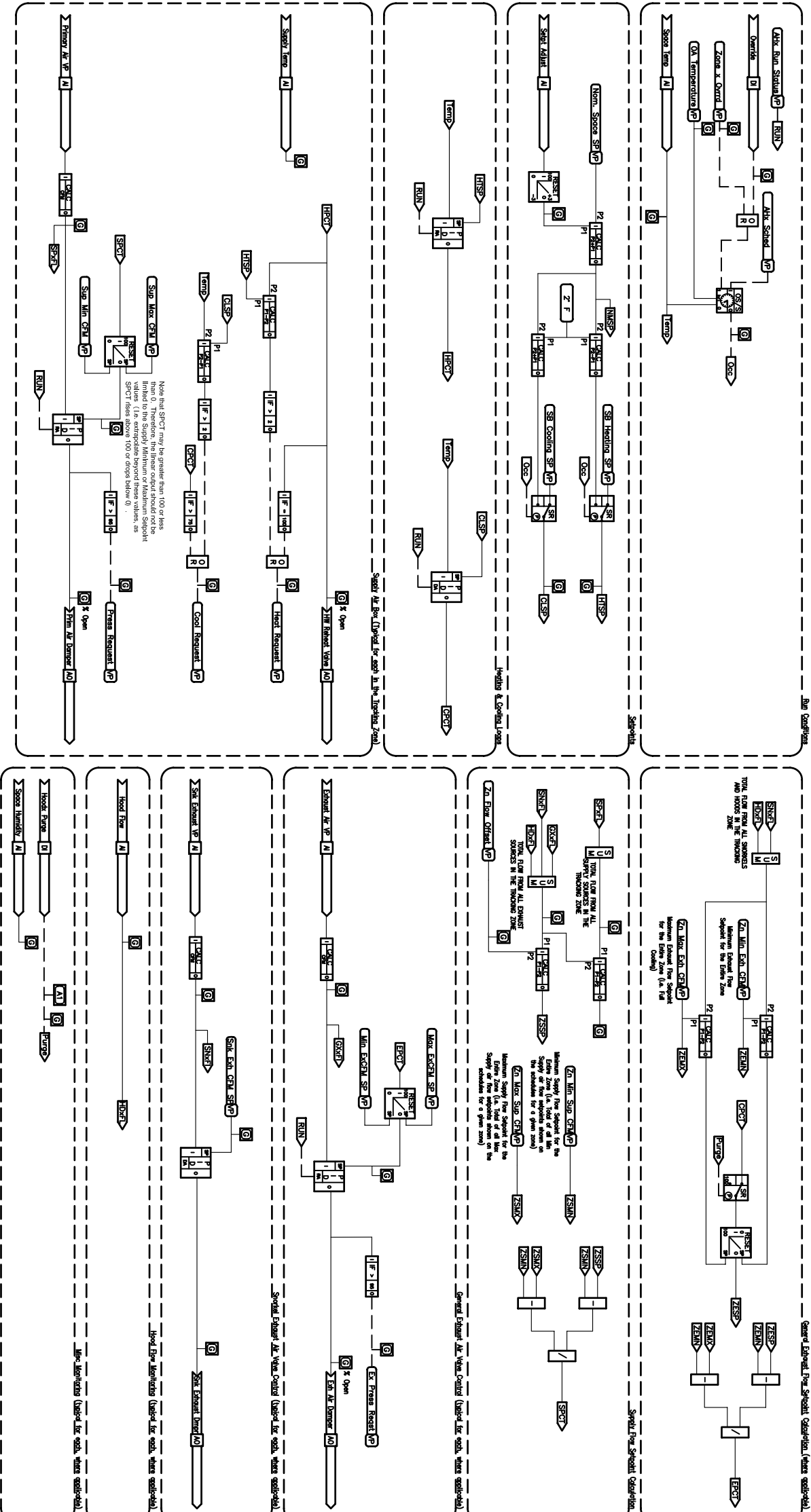
LOGIC VARIABLES

BINARY	ANALOG	DESCRIPTION
LOGI		ON WHEN OCCUPIED MODE IS ACTIVE
ENTR		ON WHEN AIR IS SERVICE MODE
ENTR		ON WHEN OPEN LAB FANICE SERVIO IS OPERATED
TEMP		UNNAMED CALCULATED VALUE OF SPACE TEMPERATURE
HTSP		UNNAMED CALCULATED VALUE OF FRESHING HEATING SERVIO
QCSF		UNNAMED CALCULATED VALUE OF FRESHING COOLING SERVIO
HOXA		UNNAMED CALCULATED VALUE OF HOOD EXHAUST FLOW (CFM) FOR MODE 1
HOXB		UNNAMED CALCULATED VALUE OF HOOD EXHAUST FLOW (CFM) FOR MODE 2
SPXA		UNNAMED CALCULATED VALUE OF SUPPLY FLOW (CFM) FOR SUPPLY WALK 1
SPXB		UNNAMED CALCULATED VALUE OF SUPPLY FLOW (CFM) FOR SUPPLY WALK 2
ECXA		UNNAMED CALCULATED VALUE OF EXHAUST FLOW SERVIO 1 FOR DOOR WALK
ECXB		UNNAMED CALCULATED VALUE OF EXHAUST FLOW SERVIO 2 FOR DOOR WALK
TSXA		UNNAMED CALCULATED VALUE OF ZONE TOTAL SUPPLY SCHEDULED MAX SERVIO
TSXB		UNNAMED CALCULATED VALUE OF ZONE TOTAL SUPPLY SCHEDULED MAX SERVIO
ECXA		UNNAMED CALCULATED VALUE OF EXHAUST FLOW SERVIO 1 FOR DOOR WALK
ECXB		UNNAMED CALCULATED VALUE OF EXHAUST FLOW SERVIO 2 FOR DOOR WALK
TSXA		UNNAMED CALCULATED VALUE OF ZONE TOTAL EXHAUST MAX SERVIO
TSXB		UNNAMED CALCULATED VALUE OF ZONE TOTAL EXHAUST MAX SERVIO
		ON WHEN SUPPLY AIR SOURCE (VARIABLE) IS PROVIDED ON
		UNNAMED CALCULATED VALUE OF SHOWN EXHAUST FLOW (CFM) FOR ZONE 1

- NOTES
- Provide digital interface to the control system for diagnostic point information. Required points to be mapped include: hood dam, Master Override, Space Humidity, Space Temp, Primary Damper, Supply Temp, Return Temp, Gen Exhaust VP, Gen Exhaust LP, Exhaust VP, Exhaust LP, Emergency Drip Button.
 - Emergency purge buttons located as shown on the floor plans. Typical the emergency purge mode when any button in that open hall is pressed, valve is not to be operable.
 - Provide a single controller for each Flow Tracking Zone. Broadcasting valve is not to be operable.
 - Provide a single graphic for each flow tracking zone that depicts all equipment and devices in the zone. Show all valves and setpoints as controllers from the tracking zone graphic, as applicable.



FLOW TRACKING ZONE



DWG NUMBER