



CONTROL STANDARDS

TABLE OF CONTENTS

CONTROL STANDARDS.....	1
I. UNC Chapel Hill Control Standards - Index.....	2
A. CONTROL GUIDE SPECIFICATIONS.....	2
B. CONTROL DRAWINGS	2



I. UNC Chapel Hill Control Standards - Index

A. CONTROL GUIDE SPECIFICATIONS

1. [UNC_Master Preface_v4.doc - Preface and Implementation Guidance to the Design Engineer](#)
2. [230900_v6.4.pdf](#) - Building Automations Systems (BAS) General
3. [230801_v6.3.pdf](#) - BAS System Commissioning
4. [230901_v6.3.pdf](#) - BAS Basic Materials, Interface Devices, and Sensors
5. [230903_v6.3.pdf](#) - BAS Field Panels
6. [230904_v6.3.pdf](#) - BAS Communication Devices
7. [230905_v6.3.pdf](#) - BAS Software and Programming
8. [230906 v6.3 Operator Interface.pdf](#) - BAS Local Operator Interface
9. [230993 v6.4.pdf](#) - Sequence of Operations

B. CONTROL DRAWINGS

1. [T-1.00 Title Sheet.pdf](#) - List of Drawings.pdf
2. [C-0.00 Symbol.pdf](#) - DDC Function Block Logic Symbols and Control Symbols
3. [C-1.00 W-HW Preheat ChW Single Duct VAV AHU w-HW Preheat ChW Coil.pdf](#) - Single Duct Van With Preheat Chw Coil, No Return Fan
4. [C-1.01 Single Duct VAV AHU w-HW Preheat ChW Coil and RF.pdf](#) - Single Duct VAV AH with Preheat, CHW Coil and Return Fan
5. [C-1.01a Single duct VAV AH with Preheat, CHW Coil 7 Return Fan W/Unit Exhaust at Min OA.pdf](#)
6. [C-1.02 Single Duct VAV AHU w-HW Preheat ChW Coil and Min OA Dmper.pdf](#) - Single Duct VAV with Preheat and CHW Coil, MIN OA Damper, No Return Fan
7. [C-1.03 CV AH Min OA RF.pdf](#) - Single Duct CV AH with Preheat, CHW and Reheat Coil, MIN OA Damper and Return Fan
8. [C-1.04 CV AHU Min OA RF.pdf](#) - Single Duct CV AH with Preheat, CHW and Reheat Coil, MIN OA Damper, C02 Ventilation and Return Fan
9. [C-1.05 100 OA CV AHU w-HTG CLG and Humidifier serving RH Terminals.pdf](#) - 100% OA CV AH with Heat Recovery, Preheat and CHW Coil, Steam Humidifier
10. [C-1.06 100 OA VAVAHU w-HTG CLG and Humidifier Serving RH Terminals.pdf](#) - 100% OA VAV AH With Preheat and CHW Coil, Steam Humidifier
11. [C-1.07 CV AHV Min OA RF.pdf](#) - Single Duct CV AH with Preheat and CHW Coil, MIN OA Damper and Return Fan
12. [C-1.08 Single Duct CV AHU w-HW Preheat ChW Reheat Coil Min OA Damper.pdf](#) - Single Duct CV AH with Preheat and CHW Coil, MIN OA Damper, No Return Fan
13. [C-1.09 Dual VAV AHU w-HW Preheat ChW Coil and Return Fan.pdf](#) - Dual Duct VAV AH Control
14. [C-1.09a Dual VAV AH Control, With Unit Exhaust At Min OA Flow.pdf](#)
15. [C-1.10 Single Duct CV AHU w-HW Preheat and ChW.pdf](#) - Single Duct CV AH Preheat and CHW Coil
16. [C-1.11 OA CV AHU RHW.pdf](#) - 100% OA CV AH With Heat Recovery, Face and Bypass Steam, CHW Coil and Steam Humidifier
17. [C-1.12 Single Duct Large Zone CV-VSD AHU w-chW.pdf](#) - Single Duct CV-VSD AH With Preheat and CHW
18. [C-2.00 Single Duct VAV Box \(Cooling Only\).pdf](#) - Single Duct VAV Box (Cooling Only)
19. [C-2.01 Single Duct VAV Box \(with HW Reheat Control\).pdf](#) - Single Duct VAV Box (with HW Reheat Control)
20. [C-2.01a Single Duct VAV Box \(With HW Reheat Control\) W/Heating Min Flow Setpoint.pdf](#)



21. [C-2.02 HW Reheat Coil.pdf](#) - Duct Mounted HW Reheat Coil and Humidifier
22. [C-2.03 Dual Duct VAV Box.pdf](#) - Dual Duct VAV Box Control
23. [C-2.04 Lab Monitoring.pdf](#) - Lab Monitoring and Reheat Control
24. [C-2.05 Lab Flow Tracking Zone w Hood.pdf](#) - Lab Flow Tracking Zone with Hood
25. [C-2.05a Lab Flow Tracking Zone With Multiple Hoods.pdf](#)
26. [C-2.06 Lab Flow Tracking Zone With Variable Volume Hood.pdf](#)
27. [C-2.07 Lab Flow Zone Tracking With Variable Volume Hood \(Common Exhaust AFMS\).pdf](#)
28. [C-3.00 Steam to HW Converter with CV Pumps.pdf](#) - Steam to HW Converter With CV Pumps
29. [C-3.01 Steam to HW Converter with VV Pumps.pdf](#) - Steam to HW Converter with VV Pumps.
30. [C-3.02 Process CHW Loop.pdf](#) - Process Chilled Water Loop
31. [C-3.03 Glycol heat recovery loop.pdf](#) - Glycol Heat Recovery Run Around Loop
32. [C-4.00 Redundant exhaust control for lab manifold.pdf](#) - Redundant CV Exhaust Fan Control for Manifold Exhaust Lab Systems
33. [C-4.01 Redundant VAV exhaust control for lab manifold.pdf](#) - Redundant VAV Exhaust Fan Control For Manifold Exhaust Lab Systems
34. [C-4.02 Fan Coil Units.pdf](#) - Fan Coil Units
35. [C-4.03 Electric Unit Heater.pdf](#) - Electric Unit Heater
36. [C-4.04 Generator Exhaust Control.pdf](#) - Generator Exhaust Control
37. [C-4.05 Miscellaneous Controls.pdf](#)