

I. UNC Chapel Hill Control Standards - Index

A. CONTROL GUIDE SPECIFICATIONS

Division 230000 BAS Specifications Zip File Version Nov 2016 contains;

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

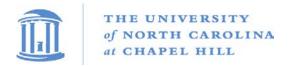
B. CONTROL DRAWINGS

Note: Contact the UNC Commissioning Coordinator/Engineer for the AutoCAD version of specific schematics.

BAS PDF Drawings Zip File Version Nov 2016 contains

- 1. T-1.00 Title Sheet List of Drawings.pdf
- 2. C-0.00 Symbol DDC Function Block Logic Symbols and Control Symbols
- 3. C-1.00 Single Duct VAV AH With Preheat CHW Coil, No Return Fan
- 4. C-1.01 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
- 6. C-1.02 Single Duct VAV AH with Preheat and CHW Coil, MIN OA Damper, No Return Fan
- 7. C-1.03 Single Duct CV AH with Preheat, CHW and Reheat Coil, MIN OA Damper and Return Fan
- 8. C-1.04 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 AH with Heat Recovery, Preheat and CHW Coil
- 10. C-1.06 100% OA VAV AH With Preheat and CHW Coil, Steam Humidifier
- 11. C-1.07 Single Duct CV AH with Preheat and CHW Coil, MIN OA Damper and Return Fan
- 12. C-1.08 Single Duct CV AH with Preheat and CHW Coil, MIN OA Damper, No Return Fan
- 13. C-1.09 Dual VAV AH HW Preheat CHW Coil and Return Fan
- 14. C-1.09a Dual VAV AH Control, With Unit Exhaust At Min OA Flow
- 15. C-1.10 Single Duct CV AH Preheat and CHW Coil
- 16. C-1.11 100% OA CV AH With Heat Recovery, Face and Bypass Steam, CHW Coil and Steam Humidifier
- 17. C-1.12 Single Duct CV-VSD AH With Preheat and CHW
- 18. C-2.00 Single Duct VAV Box (Cooling Only)
- 19. C-2.01 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
- 21. C-2.02 Duct Mounted HW Reheat Coil
- 22. C-2.03 Dual Duct VAV Box
- 23. C-2.04 Lab VAV Supply and Exhaust Flow Tracking
- 24. C-2.05 Lab Flow Tracking with Hood
- 25. C-2.06 Lab Flow Tracking with Hood and Snorkel
- 26. C-2.07 Lab VAV Flow Zone Multi Zone
- 27. C-2.07 Lab CV Supply and Exhaust Zone
- 28. C-3.00 Steam to HW Converter with CV Pumps

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- 29. C-3.01 Steam to HW Converter with VV Pumps
- 30. C-3.02 Process CHW Loop
- 31. C-3.03 Glycol heat recovery loop
- 32. C-4.00 Redundant CV Exhaust Fan Control for Manifold Exhaust Lab Systems
- 33. C-4.01 Redundant VAV Exhaust Fan Control For Manifold Exhaust Lab Systems
- 34. C-4.02 Fan Coil Units
- 35. C-4.03 Electric (or Hydronic) Unit Heater
- 36. C-4.04 Generator Exhaust Control
- 37. C-4.05 Miscellaneous Controls (Humidifier, Small Exhaust Fan, Etc.)