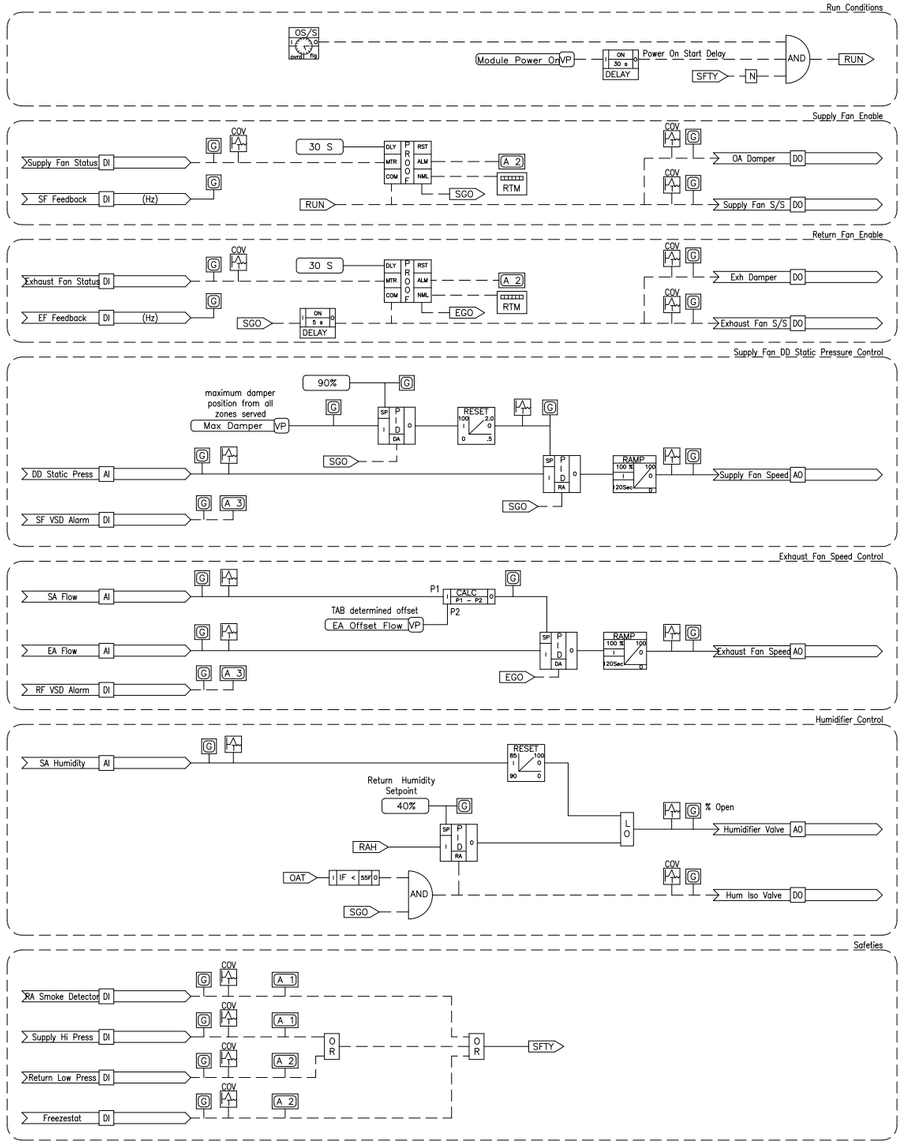


## POINTS LIST

| POINT NAME | POINT DESCRIPTOR | POINT TYPE DI | AI | DO | AO | REMARKS |
|---|---|---|---|---|---|---|
| AHUxx.RA-T | AHUx RA Temp | | 1 | | | |
| AHUxx.RA-H | AHUx RA Humidity | | 1 | | | |
| AHUxx.SMK-RA-STS | AHUx RA Smk Det | 1 | | | | |
| AHUxx.EXH-FN-ALARM | AHx EF VSD Alarm | 1 | | | | (may be network pt) |
| AHUxx.EXH-FN-STS | AHUx EF Status | 1 | | | | |
| AHUxx.EXH-FN-FDBK | AHUx EF Feedback | | 1 | | | (may be network pt) |
| AHUxx.EXH-FN-C | AHUx EF Start/Stop | | | 1 | | |
| AHUxx.EXH-FN-SPD-O | AHUx EF Speed | | | | 1 | |
| AHUxx.EXH-D-C | AHUx Exh Dmpr Open | | | 1 | | |
| AHUxx.S-FN-ALARM | AHx SF VSD Alarm | 1 | | | | (may be network pt) |
| AHUxx.S-FN-STS | AHUx SF Status | 1 | | | | |
| AHUxx.S-FN-FDBK | AHUx SF Feedback | | 1 | | | (may be network pt) |
| AHUxx.S-FN-C | AHUx SF Start/Stop | | | 1 | | |
| AHUxx.S-FN-SPD-O | AHUx SF Speed | | | | 1 | |
| AHUxx.OA-D-C | AHUx OA Dmpr Open | | | 1 | | |
| AHUxx.MA-T | AHUx MA Temperature | | 1 | | | |
| AHUxx.SA-T | AHUx SA Temperature | | 1 | | | |
| AHUxx.CC-T | AHUx CC Temperature | | 1 | | | |
| AHUxx.DD-STP | AHUx DD Static | | 1 | | | |
| AHUxx.L-T-ALA | AHUx Low Temp Alrm | 1 | | | | |
| AHUxx.SA-P-H-ALA | AHUx SA High Press | 1 | | | | |
| AHUxx.EXH-P-H-ALA | AHUx EF High Press | 1 | | | | |
| AHUxx.EXH-P-L-ALA | AHUx EF Low Press | 1 | | | | |
| AHUxx.PH-V-C | AHUx PH Valve | | | 1 | | |
| AHUxx.CHW-V-C | AHUx ChW Valve | | | | 1 | |
| AHUxx.SMK-SA-STS | AHUx SA Smk Det | 1 | | | | |
| AHUxx.SA-H | AHUx SA Humidity | | 1 | | | |
| AHUxx.HUM-IV-C | AHUx Hum Iso Valve | | | 1 | | |
| AHUxx.HUM-V-C | AHUx Hum Valve | | | | 1 | |
| AHUxx.HUM-T | AHUx Hum Temp | | 1 | | | |
| AHUxx.HUM-H | AHUx Hum Humidity | | 1 | | | |
| AHUxx.PH-T | AHUx PH Temp | | 1 | | | |
| AHUxx.IFB-D-C | AHUx IFB Damper | | | | 1 | |
| AHUxx.OA-FLTR-STS | AHUx OA Filters | | 1 | | | |
| AHUxx.RA-FLTR-STS | AHUx RA Filter | | 1 | | | |
| AHUxx.BYP-D-C | AHUx Bypass Damper | | | 1 | | |
| AHUxx.SA-F | AHUx SA Flow | | 1 | | | |
| AHUxx.EA-F | AHUx EA Flow | | 1 | | | |
| | | | | | | |
| | TOTALS | 10 | 16 | 7 | 5 | |

## LOGIC VARIABLES

| BINARY | ANALOG | DESCRIPTION | # |
|---|---|---|---|
| RUN | | ON WHEN UNIT COMMANDED TO START | 2 |
| SGO | | ON WHEN SUPPLY FAN ENERGIZED AND STATUS PROVEN | 10 |
| SFTY | | ON WHEN Smoke Detector, Freezestat or High Static Pressure ARE ON | 2 |
| | OAT | VARIABLE VALUE OF OUTSIDE AIR TEMPERATURE | 3 |
| | DASP | VARIABLE CALCULATED VALUE OF DISCHARGE TEMPERATURE SETPOINT | 2 |
| | RAH | VARIABLE VALUE OF RETURN AIR HUMIDITY | 2 |

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UNIVERSITY of VIRGINIA
FACILITIES MANAGEMENT

HVAC CONTROLS STANDARDS

| | |
|---|---|
| Eng | HJN |
| Drawn | HJN |
| Chkd | --- |
| Appd | --- |
| Issued | 8/4/11 |
| Job No. | 10080 |
| Scale | N/A |
| Proj Code | |

STANDARD

100% OA AHU WITH ENERGY RECOVERY WHEEL VAV (LOGIC)

06 OF 30
SHEET NUMBER

C-1.1b
DWG NUMBER

CONTROL LOGIC