

CONTROLS LEGEND	
	TOTALIZING BTU METER
	EMERGENCY BREAK GLASS SWITCH FOR EQUIPMENT SHUT-DOWN
	FLOW MEASURING STATION
	FLOW SWITCH
	CARBON MONOXIDE SENSOR WITH ZONE DESIGNATION
	CARBON DIOXIDE SENSOR WITH ZONE DESIGNATION
	TEMPERATURE SENSOR/THERMOSTAT WITH ZONE OR EQUIPMENT DESIGNATION
	HUMIDISTAT/HUMIDITY SENSOR WITH HUMIDIFIER DESIGNATION
	COMBINATION TEMPERATURE/HUMIDITY SENSOR
	DUCT SMOKE DETECTOR SUPPLIED BY ELECTRICAL TRADE, INSTALLED BY MECHANICAL TRADE
	STATIC PRESSURE SENSOR WITH DESIGNATION
	REFRIGERANT SENSOR WITH DESIGNATION
	DDC DEVICE
	LOCAL CONTROL DEVICE WITH DDC MONITORING
	PACKAGED UNIT CONTROLLED DEVICE
	TWO POSITION ACTUATOR
	SUMMARY ALARM
	ANALOG INPUT
	AMPERAGE TRANSMITTER
	AIR FLOW MEASURING STATION
	ANALOG OUTPUT
	AUXILIARY INSTRUMENT OR CONTACT
	CARBON DIOXIDE SENSOR/TRANSMITTER
	CONDUCTIVITY SENSOR
	CONTROL RELAY
	CURRENT SENSING RELAY
	CURRENT SENSOR/TRANSMITTER
	DIGITAL INPUT
	DIGITAL OUTPUT
	DIFFERENTIAL PRESSURE SWITCH
	DIFFERENTIAL PRESSURE SENSOR/TRANSMITTER
	ENABLE/DISABLE
	DAMPER END SWITCH
	FREEZE PROTECTION THERMOSTAT
	FREEZE SWITCH
	FLOW SENSOR/TRANSMITTER
	ZONE HUMIDITY SENSOR/TRANSMITTER
	HUMIDITY SWITCH/HUMIDISTAT
	ZONE HYDROGEN SENSOR/TRANSMITTER
	POWER (KWH)
	HUMIDITY SENSOR/TRANSMITTER (DUCT)
	LEVEL SWITCH
	LEVEL SENSOR/TRANSMITTER
	MODULATING ACTUATOR
	NITROGEN DIOXIDE
	OCCUPANCY SENSOR/SWITCH
	OCCUPANT OVERRIDE
	PULSE METER OR INITIATOR
	PRESSURE SWITCH
	PRESSURE SENSOR/TRANSMITTER
	REVOLUTIONS PER MINUTE TRANSMITTER
	REFRIGERANT REVERSING VALVE
	SMOKE DETECTOR
	SPEED COMMAND
	SET POINT RESET
	START/STOP
	SWITCH
	ZONE TEMPERATURE SENSOR/TRANSMITTER
	ZONE TEMPERATURE/HUMIDITY SENSOR/TRANSMITTER
	TEMPERATURE SENSOR/TRANSMITTER (PIPE OR DUCT)
	TEMPERATURE SWITCH/THERMOSTAT

GENERAL NOTES

1. THE FOLLOWING NOTES APPLY TO ALL MECHANICAL DRAWINGS. ADDITIONAL NOTES MAY BE INDICATED ON INDIVIDUAL DRAWINGS.

2. DRAWINGS INDICATE CONNECTIONS FOR EQUIPMENT TO BE FURNISHED BY THE OWNER OR AS THE WORK OF THE TRADES. VERIFY LOCATION OF EQUIPMENT, ROUGH-IN LOCATIONS, AND TYPE OF CONNECTIONS PRIOR TO PREPARATION OF SHOP DRAWINGS SUBMITTALS, AND PRIOR TO INSTALLATION OF SERVICE CONNECTIONS. DO NOT INTERFERE WITH ACCESS FOR MAINTENANCE AND REMOVAL, OR RE-ACCESS OF EQUIPMENT.

3. COORDINATE THE PHASING AND INSTALLATION OF NEW WORK WITH THE WORK OF ALL OTHER TRADES. BEAR THE EXPENSE FOR ANY ADDITIONAL WORK WHICH MAY BE CAUSED BY IMPROPER SEQUENCING OF CONSTRUCTION ACTIVITIES.

4. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS OF DEVICES IN FINISHED AREAS AND AT HEIGHTS INDICATED ON ARCHITECTURAL ELEVATIONS. LOCATE MECHANICAL DEVICES (E.G. TEMPERATURE SENSORS, PANELS AND SWITCHES), SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION (E.G. WAINSCOT, DOOR HARDWARE), ELECTRICAL DEVICES (E.G. LIGHT SWITCHES, SPEAKERS, OUTLETS), AND THE WORK OF OTHER TRADES.

5. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EQUIPMENT HOUSEKEEPING PADS, PENETRATION DETAILS, FLASHING AND SEALING DETAILS AND OTHER ELEMENTS OF GENERAL CONSTRUCTION. COORDINATE THE SIZE AND LOCATION OF EQUIPMENT HOUSEKEEPING PADS WITH APPROVED EQUIPMENT SO THAT HOUSEKEEPING PADS ARE NOMINALLY 4" HIGH UNLESS INDICATED OTHERWISE, AND EXTEND 6" MINIMUM IN ALL DIRECTIONS FROM THE HORIZONTAL UNITS OF THE EQUIPMENT WHICH THEY SUPPORT.

6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CEILING MOUNTED ITEMS, INSTALL CEILING MOUNTED ITEMS IN THE CENTER OF CEILING TILES. IN THE CENTER OF ROOMS, OR WHERE INDICATED ON ARCHITECTURAL DRAWINGS, WHERE LOCATION OF ITEMS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, OBTAIN DIRECTIONS FROM ARCHITECT PRIOR TO ROUGH-IN AND INSTALLATION.

7. COORDINATE EQUIPMENT POWER CONNECTION AND ELECTRICAL CHARACTERISTICS WITH ELECTRICAL DRAWINGS AND CONNECTION REQUIREMENTS. COORDINATE VARIATION IN ELECTRICAL CHARACTERISTICS FROM SCHEDULE VALUES, CHANGES TO ELECTRICAL CHARACTERISTICS (E.G. VOLTAGE, AMPS, HORSEPOWER ETC.) SHALL BE SUBJECT TO APPROVAL. BEAR THE TOTAL EXPENSE FOR REQUIRED REVISIONS TO THE ELECTRICAL SCOPE OF WORK CAUSED BY VARIATION FROM THE SCHEDULED REQUIREMENTS.

8. EQUIPMENT SHORT CIRCUIT RATINGS (ISCR) SHALL BE NO LESS THAN THE INTERRUPTING RATING OF THE BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE SUPPLYING POWER TO THE EQUIPMENT. REFER TO SCHEDULES FOR BRANCH CIRCUIT OVERCURRENT DEVICE INTERRUPTING RATINGS.

9. COORDINATE THE LOCATION OF WORK TO PROVIDE CLEARANCES OVER LIGHTING FIXTURES AND OTHER CEILING MOUNTED DEVICES AS REQUIRED TO ALLOW FOR REMOVAL AND MAINTENANCE ACCESS.

10. DO NOT RESTRICT ACCESS TO ELECTRICAL CABLE TRAYS AT A MINIMUM, ALLOW 18" CLEAR ON ONE SIDE OF CABLE TRAYS UP TO AN ELEVATION OF 6" ABOVE THE TOP OF THE CABLE TRAY. MAINTAIN 12" MINIMUM CLEARANCE OVER TOP OF CABLE TRAYS EXCEPT WHERE DUCT, PIPING, OR CONDUIT CROSS PERPENDICULAR TO CABLE TRAYS. THIS CLEARANCE MAY BE REDUCED TO 6" OVER A DISTANCE OF NO MORE THAN 36" ALONG THE CABLE TRAY. PROVIDE NO LESS THAN 18" BETWEEN AREAS OF REDUCED CLEARANCE AND MAINTAIN INDICATED ACCESS ON THE SAME SIDE OF THE CABLE TRAY EXCEPT WHERE OTHERWISE APPROVED. DO NOT CONNECT OTHER TRADE ITEMS TO CABLE TRAY, CABLE TRAY SUPPORTS OR CABLE TRAY SEISMIC RESTRAINTS.

11. PROVIDE SUPPORT AND SEISMIC RESTRAINTS FOR PIPES, AND EQUIPMENT AS SPECIFIED, AS REQUIRED, AND AS SHOWN ON THE DRAWINGS. IF REQUIRED FOR INSTALLATION OF PIPES, DUCTS, AND EQUIPMENT, DESIGN AND PROVIDE ADDITIONAL STRUCTURAL MEMBERS BETWEEN COLUMNS, JOISTS, AND STRUCTURAL FRAME TO MEET STRUCTURAL AND SEISMIC RESTRAINT REACTIONS (FORCES, MOMENTS, DEFLECTIONS). STRUCTURAL MEMBERS AND ANCHORAGES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. REFER TO STRUCTURAL DRAWINGS FOR DESIGN CRITERIA. SUBMIT STRUCTURAL MEMBER SHOP DRAWINGS AND CALCULATIONS FOR REVIEW. STRUCTURAL MEMBERS, BOLTS, AND WELDS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SHOWN ON THE STRUCTURAL DRAWINGS AND INDICATED IN THE SPECIFICATIONS. NO WELDING, BOLTING, OR OTHER MEANS OF ATTACHMENTS TO THE STRUCTURAL MEMBERS SHALL BE MADE ON PORTIONS OF STRUCTURAL MEMBERS AT OR NEAR CONNECTIONS BETWEEN STRUCTURAL MEMBERS ON ANY ELEMENTS DESIGNATED IN THE SEISMIC LOAD RESISTING SYSTEMS UNLESS APPROVED BY THE STRUCTURAL ENGINEER. SUPPORTS ALL NOT INDUCE TORSIONAL LOAD INTO SUPPORTING STRUCTURAL FRAMING.

12. DO NOT CORE DRILL OR DRILL THROUGH BEAMS, COLUMNS OR SHEAR WALL. UNLESS INDICATED ON STRUCTURAL DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER.

13. PROVIDE PIPE SLEEVES AND PENETRATION SEALS AS REQUIRED FOR THE INSTALLATION OF PIPING SYSTEMS. REFER TO SPECIFICATIONS FOR REQUIREMENTS.

14. COORDINATE THE LAYOUT OF EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCE SO THAT IT FITS INTO THE SPACE ALLOTTED. PROVIDE SERVICE ACCESS AND CLEARANCE AS INDICATED ON DRAWINGS, AS REQUIRED BY CODES, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE INSTALLATION, REMOVAL, ENTRY, SERVICING, AND MAINTENANCE OF EQUIPMENT. PRIOR TO INSTALLATION, COORDINATE LAYOUT OF EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES WITH ALL OTHER TRADES TO AVOID BLOCKING SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND EQUIPMENT INSTALLED BY OTHERS.

15. DRAWINGS ARE DIAGRAMMATIC AND SHOW APPROXIMATE LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES. DRAWINGS DO NOT SHOW REQUIRED TRANSITIONS, OFFSETS, FITTING, AND DEVICES. REFER TO DETAILS, DIAGRAMS, AND SPECIFICATIONS FOR REQUIRED SYSTEM APPURTENANCES, CONTROL DEVICES, ETC. INSTALL DEVICES IN ACCORDANCE WITH DEVICE MANUFACTURER RECOMMENDATIONS. CAREFULLY INVESTIGATE ELEMENTS OF CONSTRUCTION THAT COULD AFFECT THE WORK TO BE PERFORMED AND ARRANGE NEW WORK ACCORDINGLY. PREPARE COORDINATION DRAWINGS FOR NEW WORK, WHICH ARE COORDINATED WITH THE APPROVED AND INSTALLED WORK OF OTHER TRADES. PROVIDE REQUIRED OFFSETS, FITTING, TRANSITIONS, SUPPORTS AND OTHER APPURTENANCES AS REQUIRED. BEAR THE TOTAL EXPENSE OF RE-WORK THAT IS CAUSED BY FAILURE TO COORDINATE.

16. PROVIDE MAXIMUM HEADROOM AND CLEARANCE BELOW DUCTWORK, PIPING AND EQUIPMENT AND ASSOCIATED SUPPORTS AND RESTRAINTS. UNLESS OTHERWISE NOTICED, INSTALL TIGHT TO STRUCTURAL SYSTEMS ABOVE, WHERE WALL MOUNTED, INSTALL AS CLOSE TO WALL AS POSSIBLE. PROVIDE ADDITIONAL FITTINGS AND OFFSETS AS REQUIRED.

17. REFER TO EQUIPMENT SCHEDULE FOR DESIGN CAPACITIES. SCHEDULED VALUES SHALL BE CONSIDERED DESIGN CAPACITIES. PROVIDE EQUIPMENT WHICH MEET OR EXCEEDS THE SCHEDULED VALUES. MARK THE CONTRACT DRAWING EQUIPMENT SCHEDULES TO INDICATE THE MANUFACTURER, MODEL AND CAPACITY OF THE ACTUAL APPROVED EQUIPMENT PROVIDED AND SUBMIT THIS INFORMATION WITH RECORD DRAWINGS AS PART OF PROJECT CLOSEOUT.

18. TO ENHANCE THE CLARITY OF PLAN DRAWINGS, AND WHERE NOT NECESSARY TO DESCRIBE THE REQUIRED SIZE, INDIVIDUAL SEGMENTS OF DUCT AND PIPE BETWEEN CONNECTIONS MAY BE SHOWN WITHOUT A SIZE INDICATED. WHERE SIZE IS NOT SHOWN ON PLANS, THAT SEGMENT SHALL BE THE SAME SIZE AS THE NEXT UPSTREAM SEGMENT WITH A SIZE INDICATED.

19. WHERE NOT INDICATED ON PLANS, REFER TO EQUIPMENT SCHEDULES AND DETAILS FOR INLET AND OUT DUCT AND/OR PIPE SIZE. WHERE INDICATED ON PLANS, PLAN SIZES SHALL TAKE PRECEDENCE.

20. DUCTWORK SERVING INDIVIDUAL DIFFUSERS AND GRILLES IS GENERALLY NOT SIZED, WHERE NOT INDICATED ON PLAN DRAWINGS, REFER TO SCHEDULES AND DETAILS FOR NECK AND BRANCH DUCT SIZES BASED ON INDICATED AIRFLOW RATE ON NECK SIZE.

21. INSTALL DRAINS AT ALL LOW POINTS IN PIPING, INCLUDING ANY TRAPPED PORTIONS OF PIPING. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN CLOSED LOOP (MECHANICAL) PIPING SYSTEM. IN GENERAL, THESE DEVICES ARE NOT INDICATED ON DRAWINGS, WHERE AUTOMATIC AIR VENTS ARE INDICATED ON DRAWINGS, EXTEND AUTOMATIC AIR VENT (AND DISCHARGE) TO NEAREST FLOOR DRAIN USING INDIRECT DRAIN PIPING OF SAME SIZE AS AWW DISCHARGE. INDICATED THE ACTUAL LOCATION ON FIELD LOCATION DRAINS, VENTS AND DRAIN PIPING ON THE RECORD DRAWINGS.

22. PROVIDE A MANUAL VOLUME DAMPER FOR:
(1) EACH SUPPLY, RETURN, AND EXHAUST OPENING
(2) IN ALL BRANCH DUCTS WHERE THREE OR MORE OPENING ARE ASSOCIATED WITH BRANCH, AND ELSEWHERE AS NOTED ON DRAWINGS OR IN SPECIFICATIONS LOCATE VOLUME DAMPERS AS FAR AS POSSIBLE FROM OPENINGS. FOR THE PURPOSE OF THIS REQUIREMENT, TERMINAL UNIT PRIMARY AIR DAMPERS ARE CONSIDERED A VOLUME DAMPERS. VOLUME DAMPERS ARE NOT REQUIRED FOR CEILING RETURN GRILLES THAT TRANSFER AIR TO A RETURN AIR PLenum UNLESS OTHERWISE NOTED.

23. PROVIDE CONICAL TAPS FOR 90 DEGREE ROUND DUCT BRANCHES FROM RECTANGULAR SUPPLY DUCTWORK. DO NOT USE STRAIGHT TEE FITTINGS UNLESS SPECIFICALLY INDICATED ON DRAWINGS.

24. DUCTWORK STATIC PRESSURE AND SEAL CLASS, BASED ON SMACNA HDGS. DUCT SYSTEM

STATIC PRESSURE	SEAL CLASS
PLUS 4	A
MINUS 4	A
PLUS 4	A
PLUS 2	B
PLUS 2	B
MINUS 2	A
MINUS 4	A
MINUS 2	B
PLUS 4	A
MINUS 4	A

25. PROVIDE DUCT LINING FOR DUCTWORK AND PLENUMS AS SPECIFIED, WHERE INDICATED ON DRAWINGS AND AS INDICATED BELOW. DUCT SIZES INDICATED ON DRAWINGS ARE NET INSIDE DIMENSIONS REPRESENTING THE MINIMUM DUCT FREE AREA. THICKNESS OF DUCT LINING SHALL BE AS SPECIFIED UNLESS A GREATER THICKNESS IS INDICATED ON DRAWINGS. FOR CLARITY, DUCT LINING MAY NOT BE SHOWN IN ALL REQUIRED LOCATIONS ON DRAWINGS. PROVIDE DUCT LINING FOR THE FOLLOWING:
A. RECTANGULAR SUPPLY AIR DUCTWORK FROM TERMINAL UNITS TO SUPPLY GRILLES/DIFFUSERS, AND AS INDICATED ON DRAWINGS.
B. MIXED AIR AND EXHAUST AIR PLENUMS.
C. PLENUMS UPSTREAM OF RETURN/EXHAUST FANS.
D. TOILET EXHAUST DUCTWORK FROM EACH EXHAUST GRILLE TO A POINT 1' DOWNSTREAM OF GRILLE.
E. ROUND SUPPLY AIR DUCTWORK.
F. ROUND RETURN AIR DUCTWORK.
G. ALL AIR TRANSFER DUCTS.

26. THE FOLLOWING IS A LIST OF DEFERRED SUBMITTAL ITEMS. DO NOT INSTALL DEFERRED SUBMITTAL ITEMS UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN SUBMITTED AND APPROVED BY THE BUILDING OFFICIAL. MECHANICAL WORK SHOWN WITHIN THESE DOCUMENTS RELATED TO THE DEFERRED SUBMITTAL ARE FOR INFORMATION ONLY UNTIL APPROVED.

A) SEISMIC RESTRAINTS
B) OXYGEN SYSTEMS

Building: System Tag/Name: Operating Condition Description: Units (select from pull-down list)		blgd B AHU-B-1-1 heating IP			
Inputs for System		Name Units System	Units System	Diversity System	Check Figures
Floor area served by system Population of area served by system Design primary supply fan airflow rate OA req'd per unit area for system (Weighted average) OA req'd per person for system area (Weighted average) Percent increase in Vbz over minimum required		As Ps Vpsd Ras Rps cmf cfm cfm cfm cfm	As Ps Vpsd Ras Rps cmf cfm cfm cfm cfm	100% 100% 100% 100% 100% 0%	8 1,500 2,240 0.07 ave cfm/sf 20.0 ave cfm/p 0%
Inputs for Potentially Critical zones		Zone Name Zone Tag		Zone title turns purple table for critical zones(s)	
Occupancy Category		Select from pull-down list: Floor Area of zone Design population of zone Design total supply to zone (primary plus local recirculated) Induction Terminal Unit, Dual Fan Dual Duct or Transfer Fan? Frac. of local recirc. air that is representative of system RA		Az Pf Vdtd cm cm cm cm cm	
Inputs for Operating Condition Analyzed		Percent of total design airflow rate at conditioned analyzed Air distribution type at conditioned analyzed Zone air distribution effectiveness at conditioned analyzed Primary air fraction of supply air at conditioned analyzed		De % Select from pull-down list: 100% 100% 100% 100% 100% 0.80 0.80	
Results		System Ventilation Efficiency Outdoor air intake required for system Outdoor air per unit floor area Outdoor air per person served by system (including diversity) Outdoor air as a % of design primary supply air		Ev cfm cfm cfm/p % 0.94 0.12 45.4 24%	

Building: System Tag/Name: Operating Condition Description: Units (select from pull-down list)		blgd B AHU-B-1-1 heating IP			
Inputs for System		Name Units System	Units System	Diversity System	Check Figures
Floor area served by system Population of area served by system Design primary supply fan airflow rate OA req'd per unit area for system (Weighted average) OA req'd per person for system area (Weighted average) Percent increase in Vbz over minimum required		As Ps Vpsd Ras Rps cmf cfm cfm cfm cfm	As Ps Vpsd Ras Rps cmf cfm cfm cfm cfm	100% 100% 100% 100% 100% 0%	83 4,220 4,220 0.06 ave cfm/sf 10.2 ave cfm/p 0%
Inputs for Potentially Critical zones		Zone Name Zone Tag		Zone title turns purple table for critical zones(s)	
Occupancy Category		Select from pull-down list: Floor Area of zone Design population of zone Design total supply to zone (primary plus local recirculated) Induction Terminal Unit, Dual Fan Dual Duct or Transfer Fan? Frac. of local recirc. air that is representative of system RA		Az Pf Vdtd cm cm cm cm cm	
Inputs for Operating Condition Analyzed		Percent of total design airflow rate at conditioned analyzed Air distribution type at conditioned analyzed Zone air distribution effectiveness at conditioned analyzed Primary air fraction of supply air at conditioned analyzed		De % Select from pull-down list: 100% 100% 100% 100% 100% 0.80 0.80	
Results		System Ventilation Efficiency Outdoor air intake required for system Outdoor air per unit floor area Outdoor air per person served by system (including diversity) Outdoor air as a % of design primary supply air		Ev cfm cfm cfm/p % 0.69 2538 0.14 30.6 60%	

Building: System Tag/Name: Operating Condition Description: Units (select from pull-down list)		blgd B AHU-B-1-1 heating IP			
Inputs for System		Name Units System	Units System	Diversity System	Check Figures
Floor area served by system Population of area served by system Design primary supply fan airflow rate OA req'd per unit area for system (Weighted average) OA req'd per person for system area (Weighted average) Percent increase in Vbz over minimum required		As Ps Vpsd Ras Rps cmf cfm cfm cfm cfm	As Ps Vpsd Ras Rps cmf cfm cfm cfm cfm	100% 100% 100% 100% 100% 0%	83 4,220 4,220 0.06 ave cfm/sf 10.2 ave cfm/p 0%
Inputs for Potentially Critical zones		Zone Name Zone Tag		Zone title turns purple table for critical zones(s)	
Occupancy Category		Select from pull-down list: Floor Area of zone Design population of zone Design total supply to zone (primary plus local recirculated) Induction Terminal Unit, Dual Fan Dual Duct or Transfer Fan? Frac. of local recirc. air that is representative of system RA		Az Pf Vdtd cm cm cm cm cm	
Inputs for Operating Condition Analyzed		Percent of total design airflow rate at conditioned analyzed Air distribution type at conditioned analyzed Zone air distribution effectiveness at conditioned analyzed Primary air fraction of supply air at conditioned analyzed		De % Select from pull-down list: 100% 100% 100% 100% 100% 0.80 0.80	
Results		System Ventilation Efficiency Outdoor air intake required for system Outdoor air per unit floor area Outdoor air per person served by system (including diversity) Outdoor air as a % of design primary supply air		Ev cfm cfm cfm/p % 0.69 2538 0.14 30.6 60%	

Building: System Tag/Name: Operating Condition Description: Units (select from pull-down list)		blgd C AHU-C-1-1 heating IP			
Inputs for System		Name Units System	Units System	Diversity System	Check Figures
Floor area served by system Population of area served by system Design primary supply fan airflow rate OA req'd per unit area for system (Weighted average) OA req'd per person for system area (Weighted average) Percent increase in Vbz over minimum required		As Ps Vpsd Ras Rps cmf cfm cfm cfm cfm	As Ps Vpsd Ras Rps cmf cfm cfm cfm cfm	100% 100% 100% 100% 100% 0%	49 1,710 1,710 0.06 ave cfm/sf 7.45 ave cfm/p 0%
Inputs for Potentially Critical zones		Zone Name Zone Tag		Zone title turns purple table for critical zones(s)	
Occupancy Category		Select from pull-down list: Floor Area of zone Design population of zone Design total supply to zone (primary plus local recirculated) Induction Terminal Unit, Dual Fan Dual Duct or Transfer Fan? Frac. of local recirc. air that is representative of system RA		Az Pf Vdtd cm cm cm cm cm	
Inputs for Operating Condition Analyzed		Percent of total design airflow rate at conditioned analyzed Air distribution type at conditioned analyzed Zone air distribution effectiveness at conditioned analyzed Primary air fraction of supply air at conditioned analyzed		De % Select from pull-down list: 100% 100% 100% 100% 100% 0.80 0.80	
Results		System Ventilation Efficiency Outdoor air intake required for system Outdoor air per unit floor area Outdoor air per person served by system (including diversity) Outdoor air as a % of design primary supply air		Ev cfm cfm cfm/p % 0.77 979 0.15 20.4 57%	

Critical Zones										Totals/Averages
FPT B-1-07 lounge rooms	FPT B-1-08 kids room	FPT B-1-09 ski valet BCH	FPT B-1-10 office space	FPT B-1-11 ski lockers	FPT B-1-12 SKI LOUNGE B107 E	FPT B-1-13 BC CONNECTOR				
Dayroom	Office space	Office space	Corridors	Break rooms (General)	Corridors					
868	430	495	1,482	1,362	529	487				
25	17	2	7	0	12	0	11,667 total of 108 total P			
645	620	600	1,410	370	1,310	1,290	12,875 total cfm			
Term.Induction	Term.Induction	Term.Induction	Term.Induction	Term.Induction	Term.Induction	Term.Induction	Unit			
0.30	0.70	0.70	0.70	0.70	0.70	0.70	0.64 average			
100%	100%	100%	100%	100%	100%	100%	100% average			
CSGRH	CSGRH	CSGRH	CSGRH	CSGRH	CSGRH	CSGRH	80% average			
0.80	0.80	0.80	0.80	0.80	0.80	0.80	80% average			
0.70	0.30	0.30	0.30	0.30	0.30	0.30	0.42 average			

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