	CONTROLS LEGEND
В	
	TOTALIZING BTU METER
ΣE	EMERGENCY BREAK GLASS SWITCH FOR EQUIPMENT SHUT-DOWN
(F) (F)	FLOW MEASURING STATION
	FLOW SWITCH
<u> </u>	CARBON MONOXIDE SENSOR WITH ZONE DESIGNATION
(CD #	CARBON DIOXIDE SENSOR WITH ZONE DESIGNATION
(T) _#	TEMPERATURE SENSOR/THERMOSTAT WITH ZONE OR EQUIPMENT DESIGNATION
(H)#	HUMIDISTAT/HUMIDITY SENSOR WITH HUMIDIFIER DESIGNATION
(TH)#	COMBINATION TEMPERATURE/HUMIDITY SENSOR
(S)	DUCT SMOKE DETECTOR SUPPLIED BY ELECTRICAL TRADE, INSTALLED BY MECHANICAL TRADE
(P)#	STATIC PRESSURE SENSOR WITH DESIGNATION REFRIGERANT SENSOR WITH DESIGNATION
(R)#	DDC DEVICE
	LOCAL CONTROL DEVICE WITH DDC MONITORING
	PACKAGED UNIT CONTROLLED DEVICE
(2P) (A)	TWO POSITION ACTUATOR SUMMARY ALARM
	ANALOG INPUT
(AMP)	AMPERAGE TRANSMITTER
(AMS)	AIR FLOW MEASURING STATION
AO	ANALOG OUTPUT
AUX	AUXILARY INSTRUMENT OR CONTACT
С	CARBON DIOXIDE SENSOR/TRANSMITTER
	CONDUCTIVITY SENSOR
CR	CONTROL RELAY
(CSR)	CURRENT SENSING RELAY
	DIGITAL INPUT
	DIGITAL OUTPUT
DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE SENSOR/TRANSMITTER
ENB	ENABLE/DISABLE
ES	DAMPER END SWITCH
(FPT)	FREEZE PROTECTION THERMOSTAT
(FS) (FT)	FLOW SWITCH FLOW SENSOR/TRANSMITTER
(H)	ZONE HUMIDITY SENSOR/TRANSMITTER
(HS)	HUMIDITY SWITCH/HUMIDISTAT
(HYD)	ZONE HYDROGEN SENSOR/TRANSMITTER
(KWH)	POWER (KWH)
HT	HUMIDITY SENSOR/TRANSMITTER (DUCT)
LS	LEVEL SWITCH
	LEVEL SENSOR/TRANSMITTER
	NITROGEN DIOXIDE OCCUPANCY SENSOR/SWITCH
	OCCUPANET SENSON/SWITCH OCCUPANT OVERRIDE
	PULSE METER OR INITIATOR
PS	PRESSURE SWITCH
PT	PRESSURE SENSOR/TRANSMITTER
(RPM)	REVOLUTIONS PER MINUTE TRANSMITTER
	REFRIGERANT REVERSING VALVE
SD	SMOKE DETECTOR
	SPEED COMMAND
(SR)	SET POINT RESET
(SW)	SWITCH
	ZONE TEMPERATURE SENSOR/TRANSMITTER
ТН	ZONE TEMPERATURE/HUMIDITY SENSOR/TRANSMITTER
	TEMPERATURE SENSOR/TRANSMITTER (PIPE OR DUCT)
TS	TEMPERATURE SWITCH/THERMOSTAT

	ENERAL NOTES:		
2.	THE FOLLOWING NOTES APPLY TO ALL MECHANICAL DRAWINGS. ADDITIONAL NOTES DRAWINGS INDICATE CONNECTIONS FOR EQUIPMENT TO BE FURNISHED BY THE OW	NER OR AS THE WORK OF THE TRADES.	VERIFY
	LOCATION OF EQUIPMENT, ROUGH-IN LOCATIONS, AND TYPE OF CONNECTIONS PRIC SUBMITTALS , AND PRIOR TO INSTALLATION OF SERVICE CONNECTIONS. DO NOT INT REMOVAL OR REPLACEMENT OF EQUIPMENT.		
-	COORDINATE THE PHASING AND INSTALLATION OF NEW WORK WITH THE WORK OF A ADDITIONAL WORK WHICH MAY BE CAUSED BY IMPROPER SEQUENCING OF CONSTR		FOR ANY
	REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS OF DEVICES IN FINISHED A ARCHITECTURAL ELEVATIONS. LOCATE MECHANICAL DEVICES (E.G. TEMPERATURE S DO NOT CONFLICT WITH GENERAL CONSTRUCTION (E.G. WAINSCOT, DOOR HARDWA SPEAKERS, OUTLETS), AND THE WORK OF OTHER TRADES.	SENSORS, PANELS AND SWITCHES), SO T	
	REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUC HOUSEKEEPING PADS, PENETRATION DETAILS, FLASHING AND SEALING DETAILS, AND COORDINATE THE SIZE AND LOCATION OF EQUIPMENT HOUSEKEEPING PADS WITH A PADS ARE NOMINALLY 4" HIGH UNLESS INDICATED OTHERWISE, AND EXTEND 6" MININ LIMITS OF THE EQUIPMENT WHICH THEY SUPPORT.	O OTHER ELEMENTS OF GENERAL CONTR PPROVED EQUIPMENT SO THAT HOUSEK	RACTOR. ŒEPING
	REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CEILING MOUNTED ITEM OF CEILING TILES, IN THE CENTER OF ROOMS, OR WHERE INDICATED ON ARCHITECT NOT INDICATED ON ARCHITECTURAL DRAWINGS, OBTAIN DIRECTIONS FROM ARCHITE	URAL DRAWINGS. WHERE LOCATION OF	ITEMS ARE
	COORDINATE EQUIPMENT POWER CONNECTION AND ELECTRICAL CHARACTERISTIC COORDINATE VARIATION IN ELECTRICAL CHARACTERISTICS FROM SCHEDULE VALUE AMPS, HORSEPOWER ETC.) SHALL BE SUBJECT TO APPROVAL. BEAR THE TOTAL EXPL WORK CAUSED BY VARIATION FROM THE SCHEDULED REQUIREMENTS.	ES. CHANGES TO ELECTRICAL CHARACTE	ERISTICS (E.G.
	EQUIPMENT SHORT CIRCUIT RATINGS (SCCR) SHALL BE NO LESS THAN THE INTERRUPROTECTIVE DEVICE SUPPLYING POWER TO THE EQUIPMENT. REFER TO SCHEDULES RATINGS.		
	COORDINATE THE LOCATION OF WORK TO PROVIDE CLEARANCES OVER LIGHTING F ALLOW FOR REMOVAL AND MAINTENANCE ACCESS.	IXTURES AND OTHER CEILING MOUNTED	DEVICES AS I
10	. DO NOT RESTRICT ACCESS TO ELECTRICAL CABLE TRAYS. AT A MINIMUM, ALLOW 18 ABOVE THE TOP OF THE CABLE TRAY. MAINTAIN 12" MINIMUM CLEARANCE OVER TOP CROSS PERPENDICULAR TO CABLE TRAY, THIS CLEARANCE MAY BE REDUCED TO 6" PROVIDE NO LESS THAN 36" BETWEEN AREAS OF REDUCED CLEARANCE AND MAINT EXCEPT WHERE OTHERWISE APPROVED. DO NOT CONNECT OTHER TRADE ITEMS TO RESTRAINTS.	P OF CABLE TRAYS EXCEPT WHERE DUC OVER A DISTANCE OF NO MORE THAN 3 AIN INDICATED ACCESS ON THE SAME SI	T, PIPING, OR 6" ALONG THE DE OF THE CA
11	. PROVIDE SUPPORT AND SEISMIC RESTRAINTS FOR PIPES, AND EQUIPMENT AS SPEC REQUIRED FOR INSTALLATION OF PIPES, DUCTS, AND EQUIPMENT, DESIGN AND PRO JOISTS, AND STRUCTURAL FRAME TO MEET SUPPORT AND SEISMIC RESTRAINT REA MEMBERS AND ANCHORAGES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REFER TO STRUCTURAL DRAWINGS FOR DESIGN CRITERIA. SUBMIT STRUCTURAL M STRUCTURAL MEMBERS, BOLTS, AND WELDS SHALL BE IN ACCORDANCE WITH THE F INDICATED IN THE SPECIFICATIONS. NO WELDING, BOLTING, OR OTHER MEANS OF A PORTIONS OF STRUCTURAL MEMBERS AT OR NEAR CONNECTIONS BETWEEN STRUC LOAD RESISTING SYSTEMS UNLESS APPROVED BY THE STRUCTURAL ENGINEER. SU STRUCTURAL FRAMING.	OVIDE ADDITIONAL STRUCTURAL MEMBEI CTIONS (FORCES, MOMENTS, DEFLECTIONS) LICENSED IN THE STATE IN WHICH THE P EMBER SHOP DRAWINGS AND CALCULAT REQUIREMENTS SHOWN ON THE STRUCT TTACHMENTS TO THE STRUCTURAL MEM CTURAL MEMBERS ON ANY ELEMENTS D	RS BETWEEN DNS). STRUCT PROJECT IS LC FIONS FOR RE FURAL DRAWI //BERS SHALL ESIGNATED IN
12	. DO NOT CORE DRILL OR DRILL THROUGH BEAMS, COLUMNS OR SHEAR WALL UNLES THE STRUCTURAL ENGINEER.	SS INDICATED ON STRUCTURAL DRAWIN	GS OR AS APF
13	. PROVIDE PIPE SLEEVES AND PENETRATION SEALS AS REQUIRED FOR THE INSTALLA REQUIREMENTS.	ATION OF PIPING SYSTEMS. REFER TO SI	PECIFICATION
14	. COORDINATE THE LAYOUT OF EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANG ACCESS AND CLEARANCE AS INDICATED ON DRAWINGS, AS REQUIRED BY CODES, A INSTALLATION, REMOVAL, ENTRY, SERVICING, AND MAINTENANCE OF EQUIPMENT. P DUCTWORK, PIPING, AND APPURTENANCES WITH ALL OTHER TRADES TO AVOID BLC EXISTING EQUIPMENT AND EQUIPMENT INSTALLED BY OTHERS.	ND AS RECOMMENDED BY THE MANUFAC RIOR TO INSTALLATION, COORDINATE LA	CTURER FOR
15	DRAWINGS ARE DIAGRAMMATIC AND SHOW APPROXIMATE LOCATIONS OF EQUIPME SHOW REQUIRED TRANSITIONS, OFFSETS, FITTING, AND DEVICES. REFER TO DETAIL APPURTENANCES, CONTROL DEVICES, ETC. INSTALL DEVICES IN ACCORDANCE WITH INVESTIGATE ELEMENTS OF CONSTRUCTION THAT COULD AFFECT THE WORK TO BE COORDINATION DRAWINGS FOR NEW WORK, WHICH ARE COORDINATED WITH THE A REQUIRED OFFSETS, FITTING, TRANSITIONS, SUPPORTS AND OTHER APPURTENANC CAUSED BY FAILURE TO COORDINATE.	LS, DIAGRAMS, AND SPECIFICATIONS FOR H DEVICE MANUFACTURER RECOMMEND E PERFORMED AND ARRANGE NEW WOR APPROVED AND INSTALLED WORK OF OT	R REQUIRED S DATIONS. CARI K ACCORDING HER TRADES.
16	. PROVIDE MAXIMUM HEADROOM AND CLEARANCE BELOW DUCTWORK, PIPING AND E OTHERWISE INDICATED, INSTALL TIGHT TO STRUCTURAL SYSTEMS ABOVE. WHERE Y PROVIDE ADDITIONAL FITTINGS AND OFFSETS AS REQUIRED.		
17	. REFER TO EQUIPMENT SCHEDULE FOR DESIGN CAPACITIES. SCHEDULED VALUES S WHICH MEET OR EXCEEDS THE SCHEDULED VALUES. MARK THE CONTRACT DRAWIN MODEL AND CAPACITY OF THE ACTUAL APPROVED EQUIPMENT PROVIDED AND SUB PROJECT CLOSEOUT.	NG EQUIPMENT SCHEDULES TO INDICATE	E THE MANUFA
18	. TO ENHANCE THE CLARITY OF PLAN DRAWINGS, AND WHERE NOT NECESSARY TO DEPIPE BETWEEN CONNECTIONS MAY BE SHOWN WITHOUT A SIZE INDICATED. WHERE SAME SIZE AS THE NEXT UPSTREAM SEGMENT WITH A SIZE INDICATED.		
19	. WHERE NOT INDICATED ON PLANS, REFER TO EQUIPMENT SCHEDULES AND DETAIL ON PLANS, PLAN SIZES SHALL TAKE PRECEDENCE.	S FOR INLET AND OUT DUCT AND/ OR PIF	PE SIZE. WHEF
	. DUCTWORK SERVING INDIVIDUAL DIFFUSERS AND GRILLES IS GENERALLY NOT SIZE SCHEDULES AND DETAILS FOR NECK AND BRANCH DUCT SIZES BASED ON INDICATE	ED AIRFLOW RATE ON NECK SIZE.	·
21	. INSTALL DRAINS AT ALL LOW POINTS IN PIPING, INCLUDING ANY TRAPPED PORTION CLOSED LOOP (MECHANICAL) PIPING SYSTEM. IN GENERAL, THESE DEVICES ARE NO INDICATED ON DRAWINGS, EXTEND AUTOMATIC AIR VENT (AAV) DISCHARGE TO NEA AAV DISCHARGE. INDICATED THE ACTUAL LOCATION ON FIELD-LOCATION DRAINS, V	T INDICATED ON DRAWINGS. WHERE AU REST FLOOR DRAIN USING INDIRECT DR	Tomatic Air ' Ain Piping Of
	 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 WIT IN SPECIFICATIONS LOCATE VOLUME DAMPERS AS FAR AS POSSIBLE FROM OPE PRIMARY AIR DAMPERS ARE CONSIDERED A VOLUME DAMPERS. VOLUME DAMPE TRANSFER AIR TO A RETURN AIR PLENUM UNLESS OTHERWISE NOTED. 	NINGS. FOR THE PURPOSE OF THIS REQ	UIREMENT , TI
23	. PROVIDE CONICAL TAPS FOR 90 DEGREE ROUND DUCT BRANCHES FROM RECTANG UNLESS SPECIFICALLY INDICATED ON DRAWINGS.	GULAR SUPPLY DUCTWORK. DO NOT USE	STRAIGHT TE
DL A. B. C. D. E. F. G.	DUCTWORK STATIC PRESSURE AND SEAL CLASS, BASED ON SMACNA HDCS: JCT SYSTEM SUPPLY DUCTWORK UPSTREAM OF AIR HANDLING UNITS RETURN DUCTWORK UPSTREAM OF AIR HANDLING UNITS UPSTREAM OF AIR TERMINAL UNITS AND FAN COIL UNITS DONWSTREAM OF AIR TERMINAL UNITS AND FAN COIL UNITS UPSTREAM OF EXHAUST FANS DOWNSTREAM OF EXHAUST FANS OUTSIDE AIR INTAKE DUCTWORK TRANSFER DUCTWORK	STATIC PRESSURE PLUS 4 MINUS 4 PLUS 4 PLUS 2 PLUS 2 MINUS 2 MINUS 4 MINUS 2	SEAL CLASS A A A B B B B A B A B
l. S J.	SUPPLY DUCTWORK UPSTREAM OF HEAT PUMP UNIT RETURN DUCTWORK UPSTREAM OF HEAT PUMP UNIT	PLUS 4 MINUS 4	A A
25	. PROVIDE DUCT LINING FOR DUCTWORK AND PLENUMS AS SPECIFIED, WHERE INDIC INDICATED ON DRAWINGS ARE NET INSIDE DIMENSIONS REPRESENTING THE MINIM SPECIFIED LINI ESS & GREATER THICKNESS IS INDICATED ON DRAWINGS, FOR CLAR	UM DUCT FREE AREA. THICKNESS OF DU	CT LINING SH

ON DRAWINGS. PROVIDE DUCT LINING FOR THE FOLLOWING:

B. MIXED AIR AND EXHAUST AIR PLENUMS.

E. ROUND SUPPLY AIR DUCTWORK.

F. ROUND RETURN AIR DUCTWORK. G. ALL AIR TRANSFER DUCTS.

C. PLENUMS UPSTREAM OF RETURN/EXHAUST FANS.

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

AL NOTES MAY BE INDICATED ON INDIVIDUAL DRAWINGS.
Y THE OWNER OR AS THE WORK OF THE TRADES. VERIFY
IONS PRIOR TO PREPARATION OF SHOP DRAWINGS
O NOT INTERFERE WITH ACCESS FOR MAINTENANCE AND

D ITEMS, INSTALL CEILING MOUNTED ITEMS IN THE CENTER ITECTURAL DRAWINGS. WHERE LOCATION OF ITEMS ARE RCHITECT PRIOR TO ROUGH-IN AND INSTALLATION.

RISTICS WITH ELECTRICAL DRAWINGS AND CONNECTION REQUIREMENTS. VALUES. CHANGES TO ELECTRICAL CHARACTERISTICS (E.G. VOLTAGE, L EXPENSE FOR REQUIRED REVISIONS TO THE ELECTRICAL SCOPE OF

TERRUPTING RATING OF THE BRANCH CIRCUIT OVERCURRENT DULES FOR BRANCH CIRCUIT OVERCURRENT DEVICE INTERRUPTING

TING FIXTURES AND OTHER CEILING MOUNTED DEVICES AS REQUIRED TO

LOW 18" CLEAR ON ONE SIDE OF CABLE TRAYS UP TO AN ELEVATION OF 6" ER TOP OF CABLE TRAYS EXCEPT WHERE DUCT, PIPING, OR CONDUIT TO 6" OVER A DISTANCE OF NO MORE THAN 36" ALONG THE CABLE TRAY. MAINTAIN INDICATED ACCESS ON THE SAME SIDE OF THE CABLE TRAY EMS TO CABLE TRAY, CABLE TRAY SUPPORTS OR CABLE TRAY SEISMIC

S SPECIFIED, AS REQUIRED, AND AS SHOWN ON THE DRAWINGS. IF ID PROVIDE ADDITIONAL STRUCTURAL MEMBERS BETWEEN COLUMN, IT REACTIONS (FORCES, MOMENTS, DEFLECTIONS). STRUCTURAL NEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. RAL MEMBER SHOP DRAWINGS AND CALCULATIONS FOR REVIEW. THE REQUIREMENTS SHOWN ON THE STRUCTURAL DRAWINGS AND S OF ATTACHMENTS TO THE STRUCTURAL MEMBERS SHALL BE MADE ON STRUCTURAL MEMBERS ON ANY ELEMENTS DESIGNATED IN THE SEISMIC ER. SUPPORTS ALL NOT INDUCE TORSIONAL LOAD INTO SUPPORTING

UNLESS INDICATED ON STRUCTURAL DRAWINGS OR AS APPROVED BY

STALLATION OF PIPING SYSTEMS. REFER TO SPECIFICATIONS FOR

ENANCE SO THAT IT FITS INTO THE SPACE ALLOTTED. PROVIDE SERVICE DES, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE ENT. PRIOR TO INSTALLATION, COORDINATE LAYOUT OF EQUIPMENT, ID BLOCKING SERVICE OR REPLACEMENT ACCESS FOR NEW AND

QUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES. DRAWINGS DO NOT DETAILS, DIAGRAMS, AND SPECIFICATIONS FOR REQUIRED SYSTEM E WITH DEVICE MANUFACTURER RECOMMENDATIONS. CAREFULLY TO BE PERFORMED AND ARRANGE NEW WORK ACCORDINGLY. PREPARE I THE APPROVED AND INSTALLED WORK OF OTHER TRADES. PROVIDE ENANCES AS REQUIRED. BEAR THE TOTAL EXPENSE OF RE-WORK THAT IS

AND EQUIPMENT AND ASSOCIATED SUPPORTS AND RESTRAINTS. UNLESS HERE WALL MOUNTED, INSTALL AS CLOSE TO WALL AS POSSIBLE.

LUES SHALL BE CONSIDERED DESIGN CAPACITIES. PROVIDE EQUIPMENT RAWING EQUIPMENT SCHEDULES TO INDICATE THE MANUFACTURER, D SUBMIT THIS INFORMATION WITH RECORD DRAWINGS AS PAR OF

RY TO DESCRIBE THE REQUIRED SIZE, INDIVIDUAL SEGMENTS OF DUCT AND NHERE SIZE IS NOT SHOWN ON PLANS, THAT SEGMENT SHALL BE THE

DETAILS FOR INLET AND OUT DUCT AND/ OR PIPE SIZE. WHERE INDICATED

DT SIZED. WHERE NOT INDICATED ON PLAN DRAWINGS, REFER TO DICATED AIRFLOW RATE ON NECK SIZE.

RTIONS OF PIPING. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN RE NOT INDICATED ON DRAWINGS. WHERE AUTOMATIC AIR VENTS ARE O NEAREST FLOOR DRAIN USING INDIRECT DRAIN PIPING OF SAME SIZE AS AINS, VENTS AND DRAIN PIPING ON THE RECORD DRAWINGS.

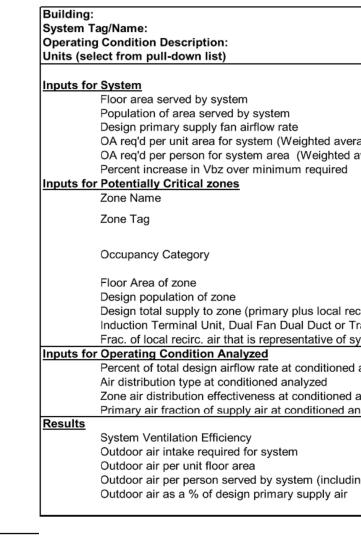
D WITH BRANCH, AND ELSEWHERE AS NOTED ON DRAWINGS OR M OPENINGS. FOR THE PURPOSE OF THIS REQUIREMENT , TERMINAL UNIT DAMPERS ARE NOT REQUIRED FOR CEILING RETURN GRILLES THAT

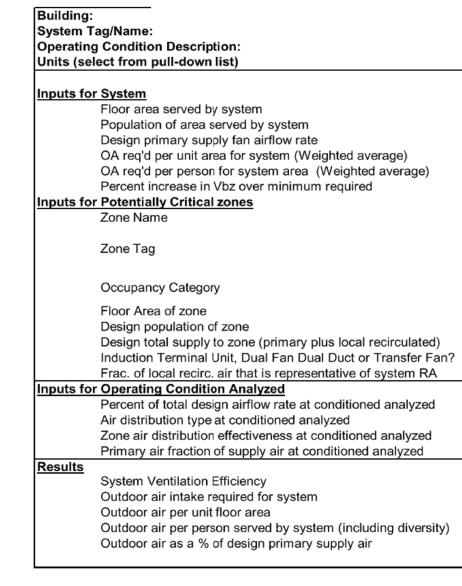
CTANGULAR SUPPLY DUCTWORK. DO NOT USE STRAIGHT TEE FITTINGS

STATIC PRESSURE
PLUS 4
MINUS 4
PLUS 4
PLUS 2
PLUS 2
MINUS 2
MINUS 4
MINUS 2
PLUS 4
MINUS 4

E INDICATED ON DRAWINGS AND AS INDICATED BELOW. DUCT SIZES 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 A. RECTANGULAR SUPPLY AIR DUCTWORK FROM TERMINAL UNITS TO SUPPLY GRILLES/DIFFUSER, AND AS INDICATED ON DRAWINGS.

D. TOILET EXHAUST DUCTWORK FROM EACH EXHAUST GRILLE TO A POINT 10' DOWNSTREAM OF GRILLE.





Building:	bldg B							
System Tag/Name:	AHU-B-	-B-1						
Operating Condition Description:	heating	3]			
Units (select from pull-down list)	IP							
			w/o diversity		w/ diversity	_		
Inputs for System	Name	<u>Units</u>	System	Diversity	System			Check Figures
Floor area served by system	As	sf	3043					
Population of area served by system	Ps	Р	8	D 100%	8			2.6 P/1000 sf
Design primary supply fan airflow rate	Vpsd	cfm	1,500	100%	1,500			0.49 cfm/sf
OA req'd per unit area for system (Weighted average)	Ras	cfm/sf	0.06					0.06 ave cfm/sf
OA req'd per person for system area (Weighted average)	Rps	cfm/p	20.0					20.00 ave cfm/p
Percent increase in Vbz over minimum required			0%					
Inputs for Potentially Critical zones						Potentially C	itical Zones	
Zone Name	Zone tit	le turns p	urple italic for critic	al zone(s)		ahu-b-b-1	ahu-b-b-1	Totals/averages
Zone Tag						golf simulator	corridor	
						Health	corridors	
Occupancy Category						club/weight		
			rom pull-down list:			rooms		
Floor Area of zone	Az	sf				3,043	0	3,043 total sf
Design population of zone	Pz		(default value liste	ed; may be overrido	len)	8	0	8 total P
Design total supply to zone (primary plus local recirculated)	Vdzd	cfm				1,500	0	1,500 total cfm
Induction Terminal Unit, Dual Fan Dual Duct or Transfer Fan?		Select fr	rom pull-down list	or leave blank if N//	ላ:			
Frac. of local recirc. air that is representative of system RA	Er							1.00 average
Inputs for Operating Condition Analyzed								
Percent of total design airflow rate at conditioned analyzed	Ds	%			100%		100%	100% average
Air distribution type at conditioned analyzed		Select fr	rom pull-down list:			CSCRH	CSCRH	
Zone air distribution effectiveness at conditioned analyzed	Ez					0.80	0.80	0.80 average
Primary air fraction of supply air at conditioned analyzed	Ep					0.10	0.10	1.00 average
Results								
System Ventilation Efficiency	Ev				0.94			
Outdoor air intake required for system	Vot	cfm			363			
Outdoor air per unit floor area	Vot/As	cfm/sf			0.12			
Outdoor air per person served by system (including diversity)	Vot/Ps	cfm/p			45.4			
Outdoor air as a % of design primary supply air	Ypd	%			24%			

Building:	Γag/Name:	Bldg A AHU-A-		
	g Condition Description:	heating		
	elect from pull-down list)	IP	j	
			w/o diversity w/ diversity	
Inputs fo	or System	Name		
	Floor area served by system	As	sf 11,279	
	Population of area served by system	Ps	P 109 D 100% 109	
	Design primary supply fan airflow rate	Vpsd		Default entr
	OA req'd per unit area for system (Weighted average) OA req'd per person for system area (Weighted average)	Ras Rps	cfm/sf 0.07 cfm/p 7.2	
	Percent increase in Vbz over minimum required	кръ	0%	
nputs fo	or Potentially Critical zones		078	
	Zone Name	Zone tit	le turns purple italic for critical zone(s)	FPT A-B1-
				game loun
	Zone Tag			and arcad
			_	
			l E	Break roon
	Occupancy Category			(General
			Select from pull-down list:	
	Floor Area of zone	Az	sf	2,5
	Design population of zone	Pz	P (default value listed; may be overridden)	2,0
	Design total supply to zone (primary plus local recirculated)	Vdzd	cfm	1,6
	Induction Terminal Unit, Dual Fan Dual Duct or Transfer Fan?			nduction Te
	Frac. of local recirc. air that is representative of system RA	Er	•	0
nputs fo	or Operating Condition Analyzed			
	Percent of total design airflow rate at conditioned analyzed	Ds	% May need to manually edit Ds: 99%	10
	Air distribution type at conditioned analyzed	F	Select from pull-down list:	CSC
	Zone air distribution effectiveness at conditioned analyzed	Ez	_	0
Results	Primary air fraction of supply air at conditioned analyzed	Ep		0
tesuits	System Ventilation Efficiency	Ev	0.83	
	Outdoor air intake required for system	Vot	cfm 1921	
	Outdoor air per unit floor area	Vot/As		
	Outdoor air per person served by system (including diversity)	Vot/Ps		
	Outdoor air as a % of design primary supply air	Ypd	% 86%	
Building	Outdoor air as a % of design primary supply air	Ypd bldg A	% 86%	
System 7	Outdoor air as a % of design primary supply air : Tag/Name:	Ypd bldg A AHU-A	% 86%	
System 7 Operatin	Outdoor air as a % of design primary supply air : Tag/Name: Ig Condition Description:	Ypd bldg A AHU-A heating	% 86%	
System 7 Operatin	Outdoor air as a % of design primary supply air : Tag/Name:	Ypd bldg A AHU-A	% 86%	
System T Operatin Units (se	Outdoor air as a % of design primary supply air : Tag/Name: g Condition Description: elect from pull-down list)	Ypd bldg A AHU-A heating	% 86%	
System T Operatin Units (se	Outdoor air as a % of design primary supply air : Tag/Name: Ig Condition Description:	Ypd bldg A AHU-A heating IP	% 86%	
System T Operatin Units (se	Outdoor air as a % of design primary supply air : Tag/Name: g Condition Description: elect from pull-down list) or System	Ypd bldg A AHU-A heating IP Name	% 86% -1-1 restaurant	
System T Operatin Units (se	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System Floor area served by system Population of area served by system Design primary supply fan airflow rate	Ypd bldg A AHU-A heating IP Name As	% 86% -1-1 restaurant	Default entr
System T Operatin Units (se	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System 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)	Ypd bldg A AHU-A heating IP Name As Ps	% 86% -1-1 restaurant	Default entr
System T Operatin Units (se	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) r System 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)	Ypd bldg A AHU-A heating IP Name As Ps Vpsd	% 86% -1-1 restaurant	Default entr
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System 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	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras	% 86% -1-1 restaurant	Default entr
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System 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 or Potentially Critical zones	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps	% 86% -1-1 restaurant	
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System 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	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps	% 86% -1-1 restaurant	FPT A-1-K
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System 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 or Potentially Critical zones	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps	% 86% -1-1 restaurant	
System T Operatin Units (se	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) r System 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 r Potentially Critical zones Zone Name Zone Tag	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps	% 86% -1-1 restaurant	FPT A-1-K kitchen
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) r System 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 r Potentially Critical zones Zone Name	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps	% 86%	FPT A-1-K kitchen Kitchen
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) r System 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 r Potentially Critical zones Zone Name Zone Tag Occupancy Category	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit	% 86% -1-1 restaurant	FPT A-1-K kitchen Kitchen
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System 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 or Potentially Critical zones Zone Name Zone Tag Occupancy Category Floor Area of zone	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit	% 86% -1-1 restaurant	Default entry FPT A-1-K kitchen Kitchen (cooking
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System 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 or Potentially Critical zones Zone Name Zone Tag Occupancy Category Floor Area of zone Design population of zone	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit	% 86% -1-1 restaurant	FPT A-1-K kitchen Kitchen (cooking
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) r System 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 r Potentially Critical zones Zone Name Zone Tag Occupancy Category Floor Area of zone Design population of zone Design total supply to zone (primary plus local recirculated)	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit	% 86% -1-1 restaurant Units System W/o diversity Sf 3438 Diversity Sf 3438 D P 70 100% cfm 1,783 D cfm/sf 0.17 1,783 cfm/sf 0.17 1,783 cfm/p 7.5 0% We turns purple italic for critical zone(s) Select from pull-down list: sf P (default value listed; may be overridden) cfm Colstant Colstant	FPT A-1-K kitchen Kitchen (cooking
System T Operatin Units (se	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) or System 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 or Potentially Critical zones Zone Name Zone Tag Occupancy Category Floor Area of zone Design population of zone	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit	% 86% -1-1 restaurant Units System W/o diversity Sf 3438 Diversity Sf 3438 D P 70 100% cfm 1,783 D cfm/sf 0.17 1,783 cfm/sf 0.17 1,783 cfm/p 7.5 0% We turns purple italic for critical zone(s) Select from pull-down list: sf P (default value listed; may be overridden) cfm Colstant Colstant	FPT A-1-K kitchen Kitchen (cooking duction Te
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Carlot area served by system 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 Potentially Critical zones Zone Name Zone Tag Occupancy Category 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 Potenting Condition Analyzed	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit	% 86% -1-1 restaurant	FPT A-1-K kitchen (cooking nduction Te
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit	% 86% -1-1 restaurant Juits System Diversity W/ diversity sf 3438 D 100% 70 cfm 1,783 D 100% 70 cfm/sf 0.17 0% 1,783 D cfm/sf 0.17 0% 100% 100%	FPT A-1-K kitchen (cooking nduction Te 0
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit Az Pz Vdzd Er Ds	% 86% -1-1 restaurant	FPT A-1-K kitchen (cooking nduction Te 0 10 CSC
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit Az Pz Vdzd Er Ds Ez	% 86% -1-1 restaurant Juits System Diversity W/ diversity sf 3438 D 100% 70 cfm 1,783 D 100% 70 cfm/sf 0.17 0% 1,783 D cfm/sf 0.17 0% 100% 100%	FPT A-1-K kitchen (cooking nduction Te 0 10 CSC 0
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit Az Pz Vdzd Er Ds	% 86% -1-1 restaurant Juits System Diversity W/ diversity sf 3438 D 100% 70 cfm 1,783 D 100% 70 cfm/sf 0.17 0% 1,783 D cfm/sf 0.17 0% 100% 100%	FPT A-1-K kitchen (cooking nduction Te 0 10 CSC 0
System T Operatin Jnits (se nputs fo	Outdoor air as a % of design primary supply air	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit Az Pz Vdzd Er Ds Ez Ep	% 86% -1-1 restaurant	FPT A-1-K kitchen (cooking nduction Te 0 10 CSC 0
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air Tag/Name: g Condition Description: elect from pull-down list) r System 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 unit area for system (Weighted average) Percent increase in Vbz over minimum required r Potentially Critical zones Zone Name Zone Name Zone Tag Occupancy Category 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 r Operating Condition Analyzed Percent of total design airflow rate at conditioned analyzed Air distribution type at conditioned analyzed System Ventilation Efficiency	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit Az Pz Vdzd Er Ds Ez Ep Ev	% 86% -1-1 restaurant	FPT A-1-K kitchen Kitchen
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit Az Pz Vdzd Er Ds Ez Ep Ev Vot	% 86% -1-1 restaurant	FPT A-1-K kitchen (cooking d d d d d d d d d d d d d d d d d d d
System T Operatin Units (se Inputs fo	Outdoor air as a % of design primary supply air	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit Az Pz Vdzd Er Ds Ez Ep Ev Vot Vot/As	% 86% .1-1 restaurant	FPT A-1-K kitchen (cooking nduction Te 0 10 CSC 0
System T Operatin Units (se <u>Inputs fo</u>	Outdoor air as a % of design primary supply air	Ypd bldg A AHU-A heating IP Name As Ps Vpsd Ras Rps Zone tit Az Pz Vdzd Er Ds Ez Ep Ev Vot	% 86% .1-1 restaurant	FPT A-1-K kitchen (cooking d d d d d d d d d d d d d d d d d d d

	bldg E AHU-/ heatin IP	A-1-2 Ig																	
rogo)	<u>Name</u> As <i>Ps</i> Vpsd	Units System sf 10,645 P 83 cfm 4,220 cfm/sf 0.08		// diversity System 83 4,220	Default entry ha	as been overrid	den.												Check Figures 7.8 P/1000 0.40 cfm/sf 0.08 ave cfm
rage) average)	Ras Rps	cfm/p 10.4 0%		ļ							Potentially Cri								10.42 ave cfm
	Zone t	itle turns purple italic for critic	cal zone(s)	·	FPT A-1-05 private dining	FPT A-1-06 fitness	FPT A-1-07 strength training	FPT A-1-08 yoga	FPT A-1-09 treatment - double	FPT A-1-01 spa lounge	treatment		FPT A-1-04 locker room		FPT-A-1-11 lobby vest	FPT-A-1-12 entry lobby SW		FPT-A-1-14 corridor	Totals/averages
	Az	Select from pull-down list: sf	:		Restaurant dining rooms 314	arena (play area)	Gym, sports arena (play area)	arena (play area)	Break rooms (General)	(General)	Break rooms (General)	2,809	Corridors		Corridors 280	Lobbies	Lobbies	Corridors	
ecirculated)	Pz Vdzd	•	ed; may be overridden)		12	1	0	6 1	2 4	12		0	0	10	0 740	1,692	1 4	L .	0 83 total P
Fransfer Fan System RA		Select from pull-down list	or leave blank if N/A:			Induction Terr	ni Induction Ter	mi Induction Terr	ni Induction Term	Induction Termi	Induction Termi Ir						ni Induction Term	i Induction Ter	minal Unit
d analyzed	Ds		to manually edit Ds:	100%							100%	100%	100%	100%	100%	100%			
analyzed analyzed	Ez Ep	Select from pull-down list:			CSCRH 0.80 0.30	0.8	3.0 0.8	0.8	0 0.80	0.80	CSCRH 0.80 0.30	CSCRH 0.80 0.30	CSCRH 0.80 0.30	CSCRH 0.80 0.30	CSCRH 0.80 0.30	CSCRF 0.80 0.30	0.80	0.8	0.80 average
ing diversity)		cfm s cfm/sf s cfm/p %		0.69 2538 0.24 30.6 60%															
AHU-B-1-1 heating IP				-															
As sf Ps P Vpsd cfr Ras cfr		W/o diversity Dive \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	w/ diversity system 100% 108 4,220]	entry has bee	n overridden.				P 4		-							9.3 P/1000 s 9.3 P/1000 s 0.36 cfm/sf 0.06 ave cfm/s 5.02 ave cfm/s
Zone title t	urns purp	ole italic for critical zone(s)		FPT E			PT B-1-03	FPT B-1-04	FPT B-1-05	FPT B-1-06	ntially Critical FPT B-1-07	FPT B-1-08							Totals/averages
				busi	iness	ffices	kitchen	SKI LOUNGE B108 W	SKI LOUNGE B108 NW	SKI LOUNGE B106 B107	ski lounge interior	kids room	ski valet E	3OH ski vale	et skilo	I	LOUNGE 3107 E CO	BC NNECTOR	
	elect fron	n pull-down list:		Confer	nter rence/m Offic ting		(cooking)	(General)	Break rooms (General)	Break rooms (General)	(General)	-	-	ace Office sp		(0	Seneral)	Corridors	
Az sf Pz P		efault value listed; may be	e overridden)		518 14	1,021	253 1	536 2	7	19	22	2	17	2	,482	1,392	529 12	467	11,667 total sf 108 total P
		n pull-down list or leave bl	lank if N/A:	Inductio					Induction Term	Induction Term	i Induction Term	ni Induction Ter	mi Induction T	Fermi Induction					
Er					0.70	0.70	0.70	0.70							0.70	0.70	0.70	0.70	0.64 average
	elect fron	May need to manuall n pull-down list:	ly edit Ds: 100%		100% CSCRH	100% CSCRH	100% CSCRH	100% CSCRH	100% CSCRH	CSCRF	CSCR	I CSCF	RH CSO	CRH CS		100% CSCRH	100% CSCRH	100% CSCRH	100% average
Ez Ep					0.80 0.30	0.80 0.30	0.80 0.30	0.80 0.30	0.80						0.80 0.30	0.80 0.30	0.80 0.30	0.80 1.00	0.80 average 0.42 average
<i>Ev</i> <i>Vot</i> cfi <i>Vot</i> /As cfi <i>Vot</i> /Ps cfi Ypd %	m/sf m/p		0.77 1631 0.14 15.1 39%																

Building:		bldg C							
	ag/Name:	AHU-C							
	g Condition Description:	heating	g						
Units (se	lect from pull-down list)	IP							
	Destant.			w/o diversity	Diamite	w/ diversity	1		
inputs fo	r System	Name			Diversity	System	J		
	Floor area served by system	As	sf	6,551		1.5			
	Population of area served by system	Ps	Р	49	D 100%	49			
	Design primary supply fan airflow rate	Vpsd	cfm	1,710		1,710	Default entry ha	as been overridd	en.
	OA req'd per unit area for system (Weighted average)	Ras	cfm/sf	0.06					
	OA req'd per person for system area (Weighted average)	Rps	cfm/p	7.4					
	Percent increase in Vbz over minimum required			0%					
Inputs fo	r Potentially Critical zones								
	Zone Name	Zone tit	tle turns	purple italic for critic	cal zone(s)		FPT C-1-01	FPT C-1-02	FPT C
							Entry lobby	skier lounge	loun
	Zone Tag						perimeter		perin
							Lobbies	Break rooms	Break
	Occupancy Category							(General)	(Gen
			Select	from pull-down list:				(,	``
	Floor Area of zone	Az	sf				1,222	789)
	Design population of zone	Pz	Р	(default value liste	ed; may be overrido	len)	6		
	Design total supply to zone (primary plus local recirculated)	Vdzd	cfm	,		,	1,885		
	Induction Terminal Unit, Dual Fan Dual Duct or Transfer Fan?			from pull-down list	or leave blank if N//	A:		Induction Term	
	Frac. of local recirc. air that is representative of system RA	Er		····			0.70		
Inputs fo	r Operating Condition Analyzed								
	Percent of total design airflow rate at conditioned analyzed	Ds	%	May need t	o manually edit D	s: 100%	100%	100%	
	Air distribution type at conditioned analyzed		Select	from pull-down list:			CSCRH		
	Zone air distribution effectiveness at conditioned analyzed	Ez		····			0.80		
	Primary air fraction of supply air at conditioned analyzed	Ep					0.30		
Results		-1-							
	System Ventilation Efficiency	Ev				0.77			
	Outdoor air intake required for system	Vot	cfm			979			
	Outdoor air per unit floor area		cfm/sf			0.15			
	Outdoor air per person served by system (including diversity)	Vot/Ps				20.0			
	Outdoor air as a % of design primary supply air	Ypd	%			57%			
	outdoor an as a 70 or design printary suppry an	ipu	70			51 /0			

	No. 121967 MATTHE SWILLIAU MATTHE SWILLIAU MATTHE SWILLIAU MATTHE SWILLIAU MATTHE SWILLIAU MATTHE SWILLIAU	SINE [®] ⁰ ⁰ ⁰ ⁰ ⁰ ¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹
sf n/sf n/p	Reserved for permit stamp	
n sf h/sf h/p	OBSOR Kundig 159 South Jackson St, Suite 600 Seattle, Washington 98104 USA +1 206 624 5670 olsonkundig.com	project: SOMMET BLANC 9300 Marsac Ave (B2 East Parcel) Park City, Utah 84060
m e e e	Aspen Group PO Box 98 Park City, Uta	30022
o sf fm/sf m/p ge ge ge ge	checked by job no.	rive, Suite 100 DOA ite 305C <u>consulatant</u> way, Suite 304 Associates 210 a 210 uite F 3100
ures P/1000 sf cfm/sf ave cfm/sf ave cfm/p erages		
total cfm average average average average	IFC Set 2 5/17/20 MECHANICAL (NOTES AND VENTILATION CALCULATION MO.	24 GENERAL

					Check Figures
					9.7 P/1000 sf
ry ha	s been overridd	en.			0.20 cfm/sf
					0.07 ave cfm/sf 7.25 ave cfm/p
	_				
-01	Poter FPT A-B1-02	ntially Critical Z FPT A-B1-03	ones FPT A-B1-04	FPT A-B1-05	Totals/averages
nge	maintenance	bowling	bowling lane	employee	10tals/averages
de	and dry	lounge sitting	Ū	break and	
ms	storage Occupiable	Bowling alley	Corridors	toilets Break rooms	
l)	storage	(seating)	Corridors	(General)	
,	rooms for dry	((,	
,599	materials 1,681	2,264	2,916	1,819	11,279 total sf
46	8	49	2,910	6	109 total P
,610	735	1,430	1,085	610	5,470 total cfm
		Induction Termi			
0.70	0.70	0.30	0.70	0.70	0.62 average
00%	100%	100%	100%	100%	100% average
	CSCRH	CSCRH	CSCRH	CSCRH	
0.80	0.80	0.80	0.80	0.80	0.80 average 0.38 average
					Check Figures
					20.4 P/1000 sf
ry ha	as been overridd	en.			0.52 cfm/sf
					0.17 ave cfm/sf
					7.50 ave cfm/p
		ntially Critical Z			
K-1	FPT A-1-K-2	FPT A-1-K-3	FPT A-1-K-4	FPT A-1-K-5	Totals/averages
ו	kitchen	restaurant - interior	restaurant - west	restaurant - south	
n	Kitchen	Restaurant	Restaurant	Restaurant	
g)	(cooking)	dining rooms	dining rooms	dining rooms	2 420 total of
408 2	408	1,649 48	441 6	532 12	3,438 total sf 70 total P
910	910	1,315	835	995	
		Induction Termi			
0.90	0.90	0.20	0.70	0.70	0.68 average
00%	100%	100%	100%	100%	100% average
CRH	CSCRH	CSCRH	CSCRH	CSCRH	
0.80 0.10			0.80	0.80	0.80 average 0.32 average
0.10	0.10	0.00	0.50	0.50	0.52 average

										Check Figures 7.8 P/1000 sf 0.40 cfm/sf 0.08 ave cfm/sf 10.42 ave cfm/p
	-A-1-10		A-1-11	FPT-A-		FPT-A-1- elev lobb		FPT-A-1-1 corridor		Totals/averages
	y lobby NE	נממסו	y vest	entry lo SW		packag	I	corridor		
	bbies	Corr	idors	Lobbi		Lobbie		Corridors	\$	
	4 000		000		000		004			
	1,396 10		280 0		688 11		894 4	4	211 0	10,645 total sf 83 total P
	1,120		740		1,692		760	8	0 315	11,747 total cfm
nduct		Inductio		Induction		Induction 7		Induction Te		
	0.70		0.70		0.70		0.70		.70	0.67 average
	100%		100%		100%		00%		0%	100% average
	CSCRH		CSCRH	C	SCRH		CRH	CSC		0.00
	0.80		0.80		0.80		0.80		.80 .00	0.80 average 0.43 average
									Ch	eck Figures 9.3 P/1000 sf
	507 D	4.40	607.0		507	D 4 40	50	7.5.4.40	т.	0.36 cfm/sf 0.06 ave cfm/sf 5.02 ave cfm/p
09 3OH	FPT B- ski va		FPT E	ckers		B-1-12 OUNGE	FP	T B-1-13 BC	10	tals/averages
,on	SKIVA	aet	5110	UNCIS		107 E	CON	NNECTOR		
ace	Office s	pace	Corr	idors		k rooms eneral)	Co	orridors		
495		1,482		1,392		529		467		11,667 total sf
2		7		0		12		0		108 total P
600		1,410		370		1,310		1,290		12,875 total cfm
	Induction		Inductio		Induc		Indu	ction Termi	nal	
0.70		0.70		0.70		0.70		0.70		0.64 average

0%	100%	100%	100%	100% 10	0% average
	CSCRH	CSCRH	CSCRH	CSCRH	
.80	0.80	0.80	0.80		.80 average
.30	0.30	0.30	0.30	1.00 0	.42 average
					Check Figures
					7.5 P/1000
					0.26 cfm/sf
					0.06 ave cfr
					7.45 ave cfr
		_			
	ntially Critical	1			
T C-1-03	FPT C-1-04	FPT C-1-05	FPT C-1-06	FPT C-1-07	Totals/averages
ounge -	golf	golf	lounge -	housekeeping	
erimeter	simulation	simulation	interior	and corridor	

	and corridor	interior	golf simulation	golf simulation	unge - rimeter
	Office space	Break rooms	Health	Health	k rooms
		(General)	club/weight	club/weight	eneral)
			rooms	rooms	
6,551 total sf	1,654	755	838	792	501
49 total P	1	10	4	4	14
5,170 total cf	565	405	435	410	740
nal Unit	Induction Termi	Induction Termi	Induction Termi	Induction Termi	tion Termi
0.66 averag	0.70	0.70	0.55	0.55	0.70
100% averag	100%	100%	100%	100%	100%
	CSCRH	CSCRH	CSCRH	CSCRH	CSCRH
0.80 averag	0.80	0.80	0.80	0.80	0.80
0.34 averag	0.30	0.30	0.45	0.45	0.30