

Project: Job Name

Prepared by: John Penny Date: 01 January 2001

ZONE BALANCE VERIFICATION SHEETS

VALVE DATA

Catalog Number	Qty	Valve Min l/s	Valve Max l/s	Valve Min CFM	Valve Max CFM
EXVA108M-AMEHO-SFB-PSL	2	17	330	35	700
EXVA110M-AMEHC-SFB-PSL	1	24	472	50	1000
EXVA112M-AMEHC-SFB-PSL	1	42	708	90	1500
EXVA112M-AMEHO-SFB-PSL	2	42	708	90	1500
EXVA112M-SMEUO-SFB-PSL	1	42	613	90	1300
EXVA114M-AMEHC-SFB-PSL	1	94	1180	200	2500
EXVA114M-SMEHO-SFB-PSL	1	94	755	200	1600
EXVA212M-AMEHC-PSL	2	85	1416	180	3000
EXVA212M-AMEHO-PSL	2	85	1416	180	3000
EXVA212M-SMEHO-PSL	1	85	1227	180	2600
EXVA214M-AMEHO-PSL	3	189	2360	400	5000
EXVA214M-SMEHO-PSL	2	189	1510	400	3200
EXVBF12M-AMHHO	33	42	708	90	1500
EXVBF12M-SMHHO	1	42	613	90	1300
MAVA108M-AMEHO-SFB-PSL	7	17	330	35	700
MAVA110M-AMEHO-SFB-PSL	3	24	472	50	1000
MAVA112M-AMEHO-SFB-PSL	9	42	708	90	1500
MAVA112M-SMEDO-SFB-PSL	1	42	613	90	1300
MAVA114M-AMEHO-SFB-PSL	13	94	1180	200	2500
MAVA214M-AMEHO-PSL	5	189	2360	400	5000
TEVA108M-ALNHZ-SFB-PSL	59	17	330	35	700
TEVA108M-SLNHZ-SFB-PSL	8	17	283	35	600
TEVA108M-SLNUZ-SFB-PSL	31	17	283	35	600
TEVA110M-ALNHZ-SFB-PSL	17	24	472	50	1000
TEVA110M-SLNHZ-SFB-PSL	1	24	401	50	850
TEVA110M-SLNUZ-SFB-PSL	5	24	401	50	850
TEVA112M-ALNHZ-SFB-PSL	1	42	708	90	1500
TEVA112M-SLNHZ-SFB-PSL	3	42	613	90	1300
TEVA114M-ALNHZ-SFB-PSL	2	94	1180	200	2500
TEVA114M-SLNHZ-SFB-PSL	1	94	755	200	1600
TEVA114M-SLNUZ-SFB-PSL	3	94	755	200	1600
TEVA212M-ALNHZ-PSL	10	85	1416	180	3000
TEVA212M-SLNUZ-PSL	1	85	1227	180	2600
TEVA214M-SLNHZ-PSL	1	189	1510	400	3200
TEVA214M-SLNUZ-PSL	1	189	1510	400	3200
TSVA108M-ALEHZ-SFB-PSL	63	17	330	35	700
TSVA108M-ALXHZ-SFB-PSL	22	17	330	35	700
TSVA108M-SLXDZ-SFB-PSL	37	17	283	35	600
TSVA108M-SLXHZ-SFB-PSL	7	17	283	35	600
TSVA108M-SLXUZ-SFB-PSL	2	17	283	35	600
TSVA110M-ALEHZ-SFB-PSL	8	24	472	50	1000
TSVA110M-ALXHZ-SFB-PSL	1	24	472	50	1000
TSVA110M-SLXDZ-SFB-PSL	10	24	401	50	850
TSVA112M-ALEHZ-SFB-PSL	6	42	708	90	1500
TSVA112M-ALXHZ-SFB-PSL	3	42	708	90	1500
TSVA112M-SLXDZ-SFB-PSL	2	42	613	90	1300
TSVA112M-SLXHZ-SFB-PSL	3	42	613	90	1300
TSVA114M-ALXHZ-SFB-PSL	8	94	1180	200	2500
TSVA114M-SLXDZ-SFB-PSL	2	94	755	200	1600
TSVA114M-SLXHZ-SFB-PSL	2	94	755	200	1600
TSVA212M-SLXHZ-PSL	2	85	1227	180	2600
TSVA214M-ALXHZ-PSL	4	189	2360	400	5000
TSVA214M-SLXHZ-PSL	1	189	1510	400	3200

TSVA114M-ALEHZ-SFB-PSL



LABORATORY VERIFICATION TABLE



Job Name: _____ Job Name
 _____ Building Name
 Room Number: _____ 5-39
 Room Offset: _____ 0 Liters per Second
 Room Volume: _____ 60.4 Cubic Meters

Field Service Engineer: _____ John Penny
 Date: _____ 01-01-01
 Revision(s): _____

*All flows in LPS

	T'stat Mode					L05-VVE026 L05-VVE026 GEX		L05-VVS024 L05-VVS024 SUPPLY			OFFSET
	Full Heating					150		150			0
	Full Cooling					150		150			0
	UnOccupied					150		150			0
	E-Mode 1 - Fire					150		150			0
	E-Mode 2 - Maintenance					150		150			0

Comments: _____

LABORATORY VERIFICATION TABLE

Job Name: _____ Job Name
 _____ Building Name
Room Number: _____ 5-40A
Room Offset: _____ -200 Liters per Second

Room Volume: _____ 840.6 Cubic Meters
 _____ Aircuity (x2)

Field Service Engineer: _____ John Penny
Date: _____ 01-01-01
Revision(s): _____

Supply Air Changes per Hour
 620 LPS = 2.66 ACH
 2120 LPS = 9.08 ACH
Exhaust Air Changes per Hour
 820 LPS = 3.51 ACH
 2320 LPS = 9.94 ACH

*All flows in LPS

Hood Sash	T'stat Mode	50%		50%		16%		48%		14%		22%	
		L05-VVE001 L05-VVE001 HOOD	L05-VVE003 L05-VVE003 HOOD	L05-VVE002 L05-VVE002 GEX	L05-VVE020 L05-VVE020 GEX	L05-VVS001 L05-VVS001 SUPPLY	L05-VVS002 L05-VVS002 SUPPLY	L05-VVS004 L05-VVS004 SUPPLY	L05-VVS005 L05-VVS005 SUPPLY	OFFSET			
Min	Full Heating	129	129	372	372	85	260	283	169	-205			
Max	Full Heating	398	392	105	105	85	260	285	171	-199			
Max	Full Cooling	398	392	762	753	340	1020	285	475	-185			
Min	Full Cooling	129	129	1017	1025	340	1020	285	475	-180			
UnOccupied		129	129	372	367	85	260	283	169	-200			
E-Mode 1 - Fire		129	129	1017	1045	340	1020	285	475	-200			
E-Mode 2 - Maintenance		129	129	372	190	85	260	105	170	-200			

Comments: _____

LABORATORY VERIFICATION TABLE

Job Name: _____ Job Name
 _____ Building Name
 Room Number: _____ 5-40B,40C,53
 Room Offset: _____ -200 Liters per Second

 Room Volume: _____ 1227.6 Cubic Meters
 _____ Aircurty (x2)

Supply Air Changes per Hour
 860 LPS = 2.52 ACH
 3032 LPS = 8.89 ACH

Field Service Engineer: _____ John Penny
 Date: _____ 01-01-01
 Revision(s): _____

 Exhaust Air Changes per Hour
 1058 LPS = 3.10 ACH
 3243 LPS = 9.51 ACH

*All flows in LPS

Hood Sash	T*stat Mode	50%		50%		13%		26%		18%		5%		6%		32%	
		L05-VVE014 L05-VVE014 HOOD	L05-VVE015 L05-VVE015 HOOD	L05-VVE016 L05-VVE016 HOOD	L05-VVE017 L05-VVE017 HOOD	L05-VVE018 L05-VVE018 HOOD	L05-VVE019 L05-VVE019 HOOD	L05-VVE012 L05-VVE012 GEX	L05-VVE013 L05-VVE013 GEX	L05-VVS013 L05-VVS013 SUPPLY	L05-VVS014 L05-VVS014 SUPPLY	L05-VVS015 L05-VVS015 SUPPLY	L05-VVS016 L05-VVS016 SUPPLY	L05-VVS019 L05-VVS019 SUPPLY	L05-VVS022 L05-VVS022 SUPPLY	OFFSET	
Min	Full Heating	131	152	130	138	131	132	125	119	70	145	250	70	135	190	-198	
Max	Full Heating	402	403	401	393	395	398	90	89	320	651	249	177	216	759	-199	
Max	Full Cooling	402	403	401	393	395	398	433	429	387	788	489	201	216	970	-203	
Min	Full Cooling	131	152	130	138	131	132	1208	1220	387	788	470	201	216	970	-210	
UnOccupied		131	131	131	131	131	131	125	149	70	145	250	70	135	190	-200	
E-Mode 1 - Fire		131	152	131	138	131	132	1208	1220	387	788	470	201	216	970	-211	
E-Mode 2 - Maintenance		131	152	131	138	131	131	125	119	70	145	250	70	135	190	-198	

Comments: _____

