REPORT- SV-A System Design Parameters for RTU-1 (Corridor DOAS) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	20477.3	0.	1.000	134.000	0.677	-320.000	0.252	0.165	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	5500.	1.00	2.959	1.66	0.0	0.00	0.00	DRAW-THRU	CONSTANT	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 W (G.W12) COR	199.	0.	0.000	1.000	199.	0.00	0.00	1.43	0.00	-9.50	1.
Zn L6 C (G.C14) COR	215.	0.	0.000	1.000	215.	0.00	0.00	1.54	0.00	-10.24	1.
Zn L7 C (G.C14) COR	214.	0.	0.000	1.000	214.	0.00	0.00	1.54	0.00	-10.23	1.
Zn L15 C (G.C10) COR	388.	0.	0.000	1.000	388.	0.00	0.00	2.78	0.00	-18.51	1.
Zn L17 C (M.C25) COR	167.	0.	0.000	1.000	167.	0.00	0.00	1.19	0.00	-7.95	10.
Zn L28 C (G.C7) COR	183.	0.	0.000	1.000	183.	0.00	0.00	1.31	0.00	-8.73	1.
Zn L29 E (G.ENE2) COR	499.	0.	0.000	1.000	499.	0.00	0.00	3.57	0.00	-29.75	1.
Zn L5 C (G.C13) COR	283.	0.	0.000	1.000	283.	0.00	0.00	2.03	0.00	-13.50	1.
Zn L8 C (M.C29) COR	214.	0.	0.000	1.000	214.	0.00	0.00	1.54	0.00	-10.23	6.
Zn L14 C (T.C44) COR	230.	0.	0.000	1.000	230.	0.00	0.00	1.65	0.00	-10.97	1.
Zn L16 C (G.C10) COR	166.	0.	0.000	1.000	166.	0.00	0.00	1.19	0.00	-7.94	1.
Zn L27 C (T.C40) COR	171.	0.	0.000	1.000	171.	0.00	0.00	1.22	0.00	-8.14	1.

REPORT- SV-A System Design Parameters for SF-L4-1 (COR DOAS) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2956.7	0.	1.000	73.356	0.634	-166.875	0.243	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1650.	1.00	0.647	1.21	0.0	0.00	0.00	DRAW-THRU	CONSTANT	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SF-L4 DUMMY ZN	35.	0.	0.000	1.000	35.	0.00	0.00	0.37	0.00	-1.49	1.
Zn P1 C (B.C9) COR	140.	0.	0.000	1.000	140.	0.00	0.00	3.48	0.00	-6.04	1.
Zn P2 C (UB.C14) COR	194.	0.	0.000	1.000	194.	0.00	0.00	4.82	0.00	-8.39	1.
Zn L1 C (G.C8) COR	220.	0.	0.000	1.000	220.	0.00	0.00	5.47	0.00	-9.52	1.
Zn L1 C (G.C10) COR	90.	0.	0.000	1.000	90.	0.00	0.00	2.25	0.00	-3.91	1.
Zn L1 S (G.S16) COR	152.	0.	0.000	1.000	152.	0.00	0.00	3.78	0.00	-6.57	1.
Zn P3 C (BB.C5) COR	194.	0.	0.000	1.000	194.	0.00	0.00	4.82	0.00	-8.38	1.
Zn P4 C (B.C4) COR	63.	0.	0.000	1.000	63.	0.00	0.00	1.57	0.00	-3.39	1.
									-0.67	(BASEBOARDS)	
Zn L2 C (G.C2) COR	173.	0.	0.000	1.000	173.	0.00	0.00	4.30	0.00	-7.48	1.
Zn L3 C (G.C2) COR	179.	0.	0.000	1.000	179.	0.00	0.00	4.45	0.00	-7.73	1.
Zn L4 C (G.C2) COR	209.	0.	0.000	1.000	209.	0.00	0.00	5.20	0.00	-9.04	1.

REPORT- SV-A System Design Parameters for L1 Retail Split System N WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2831.6	47.	0.000	40.205	0.784	-35.630	0.244	0.275	-12.834

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1588.	1.00	2.747	5.35	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L1 N (G.NNW2) RTL	1588.	0.	0.000	0.001	0.	0.00	0.00	34.29	0.00	-15.40	1.

REPORT- SV-A System Design Parameters for L1 Sys1 (PVVT) (G.N14) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2636.9	85.	0.502	48.000	0.642	-51.000	0.171	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1270.	1.00	0.240	0.58	0.0	0.50	0.00	DRAW-THRU	SPEED	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L1 C (G.C4) LOB	123.	0.	0.000	1.000	63.	0.00	0.00	2.33	0.00	-4.42	1.
Zn L1 N (G.N14) LOB	1137.	0.	0.000	1.000	576.	0.00	0.00	21.57	0.00	-40.95	1.
Zn L1 C (G.C5) RR	10.	0.	0.000	1.000	0.	0.00	0.00	0.35	0.00	-0.44	1.

REPORT- SV-A System Design Parameters for L1 Retail Split System S WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	5434.4	91.	0.000	84.249	0.782	-74.354	0.241	0.273	-10.327

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3314.	1.00	5.734	5.35	0.0	0.00	0.00	DRAW-THRU	CONSTANT	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L1 E (G.ENE18) RTL	2970.	0.	0.000	0.001	0.	0.00	0.00	64.14	0.00	-27.70	1.
									-27.70	(BASEBOARDS)	
Zn L2 N (G.NE9) RTL	139.	0.	0.000	1.000	0.	0.00	0.00	3.00	0.00	-16.95	1.
									-12.00	(BASEBOARDS)	
Zn L2 S (G.SE10) RTL	206.	0.	0.000	1.000	0.	0.00	0.00	4.44	0.00	-19.33	1.
									-12.00	(BASEBOARDS)	

REPORT- SV-A System Design Parameters for L3 Ops Office Elec Heat WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PTAC	1.000	812.1	3.	0.000	0.000	0.000	0.000	0.173	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	44.	0.00	0.000	0.93	0.0	0.00	0.00	BLOW-THRU	CYCLING	0.00	0.00

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L3 S (G.S9) OFF	34.	0.	0.010	1.000	0.	1.56	0.64	1.45	-1.74	-13.19	1.
									-18.00	(BASEBOARDS)	
Zn L3 C (G.C10) STO	10.	0.	0.003	1.000	0.	0.39	0.67	0.36	-1.00	-0.68	1.

REPORT- SV-A System Design Parameters for L4 Sys1 (PVVT) (G.C6) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	562.9	4.	0.000	6.000	0.796	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	233.	1.00	0.044	0.58	0.0	0.00	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L4 C (G.C6) RR	233.	0.	0.000	1.000	0.	0.00	0.00	4.44	0.00	-8.25	1.

REPORT- SV-A System Design Parameters for L4 Sys1 (PVVT) (G.W8) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1197.3	8.	0.000	36.000	0.846	-42.000	0.296	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1353.	1.00	0.256	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L4 W (G.W8) OFF	1353.	0.	0.000	1.000	0.	0.00	0.00	28.95	0.00	-47.94	1.

REPORT- SV-A System Design Parameters for L4 Sys1 (PVVT) (G.S9) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2458.5	17.	0.000	66.000	0.905	-72.000	0.294	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1518.	1.00	0.287	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L4 S (G.S9) OFF	1518.	0.	0.000	1.000	0.	0.00	0.00	32.49	0.00	-53.80	1.

REPORT- SV-A System Design Parameters for L4 Sys1 (PVVT) (G.E10) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1197.7	8.	0.000	33.000	0.880	-39.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	878.	1.00	0.166	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L4 E (G.E10) OFF	878.	0.	0.000	1.000	0.	0.00	0.00	18.78	0.00	-31.10	1.

REPORT- SV-A System Design Parameters for L4 Sys1 (PVVT) (G.N11) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2234.4	16.	0.000	36.000	0.827	-42.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1201.	1.00	0.227	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L4 N (G.N11) OFF	1201.	0.	0.000	1.000	0.	0.00	0.00	25.71	0.00	-42.58	1.

REPORT- SV-A System Design Parameters for L4 Sys1 (PVVT) (G.C12) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	5388.9	38.	0.000	63.000	0.818	-69.000	0.171	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2031.	1.00	0.384	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L4 C (G.C12) OFF	2031.	0.	0.000	1.000	0.	0.00	0.00	43.46	0.00	-71.98	1.

REPORT- SV-A System Design Parameters for L4 Sys1 (PVVT) (G.C13) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	3915.1	27.	0.000	48.000	0.823	-54.000	0.171	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1518.	1.00	0.287	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L4 C (G.C13) OFF	1518.	0.	0.000	1.000	0.	0.00	0.00	32.49	0.00	-53.80	1.

REPORT- SV-A System Design Parameters for L5 Sys1 (PVVT) (G.W6) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1411.5	3.	0.000	24.000	0.883	-27.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	680.	1.00	0.129	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 W (G.W6) APT1	680.	85.	0.017	1.000	0.	0.00	0.00	14.56	0.00	-24.11	1.

REPORT- SV-A System Design Parameters for L5 Sys1 (PVVT) (G.S7) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	4144.8	8.	0.000	36.000	0.927	-39.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	856.	1.00	0.162	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 S (G.S7) APT3	856.	249.	0.049	1.000	0.	0.00	0.00	18.31	0.00	-30.33	1.

REPORT- SV-A System Design Parameters for L5 Sys1 (PVVT) (G.ESE8) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1518.1	3.	0.000	21.000	0.895	-21.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	596.	1.00	0.113	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 E (G.ESE8) APT1	596.	91.	0.018	1.000	0.	0.00	0.00	12.76	0.00	-21.13	1.

REPORT- SV-A System Design Parameters for L5 Sys1 (PVVT) (G.ENE9) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1445.8	3.	0.000	18.000	0.953	-18.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	347.	1.00	0.066	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 E (G.ENE9) APT1	347.	87.	0.017	1.000	0.	0.00	0.00	7.42	0.00	-12.29	1.

REPORT- SV-A System Design Parameters for L5 Sys1 (PVVT) (G.W10) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1353.9	3.	0.000	21.000	0.861	-24.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	675.	1.00	0.128	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 W (G.W10) APT1	675.	81.	0.016	1.000	0.	0.00	0.00	14.45	0.00	-23.94	1.

REPORT- SV-A System Design Parameters for L5 Sys1 (PVVT) (G.N11) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	3993.7	7.	0.000	27.000	0.842	-30.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	851.	1.00	0.161	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 N (G.N11) APT3	851.	240.	0.047	1.000	0.	0.00	0.00	18.21	0.00	-30.15	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.WSW5) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	956.7	2.	0.000	15.000	0.871	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	454.	1.00	0.086	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 W (G.WSW5) APT1	454.	58.	0.011	1.000	0.	0.00	0.00	9.71	0.00	-16.07	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.S6) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2069.4	4.	0.000	15.000	0.850	-21.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	540.	1.00	0.102	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 S (G.S6) APT3	540.	124.	0.024	1.000	0.	0.00	0.00	11.55	0.00	-19.13	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.ESE7) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1233.6	2.	0.000	12.000	0.900	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	326.	1.00	0.062	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 E (G.ESE7) APT1	326.	74.	0.015	1.000	0.	0.00	0.00	6.97	0.00	-11.55	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.W8) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	640.8	1.	0.000	9.000	0.864	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	280.	1.00	0.053	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 W (G.W8) APT1	280.	39.	0.008	1.000	0.	0.00	0.00	6.00	0.00	-9.94	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.NW9) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	925.4	2.	0.000	9.000	0.812	-12.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	397.	1.00	0.075	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 N (G.NW9) APT1	397.	56.	0.011	1.000	0.	0.00	0.00	6.83	0.00	-14.08	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.NE10) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	749.0	1.	0.000	6.000	0.864	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	167.	1.00	0.032	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 N (G.NE10) APT1	167.	45.	0.009	1.000	0.	0.00	0.00	3.58	0.00	-5.92	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.NW11) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	711.4	1.	0.000	6.000	0.849	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	188.	1.00	0.036	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 N (G.NW11) APT1	188.	43.	0.008	1.000	0.	0.00	0.00	4.03	0.00	-6.67	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.NE12) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1265.9	2.	0.000	9.000	0.856	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	259.	1.00	0.049	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 N (G.NE12) APT1	259.	76.	0.015	1.000	0.	0.00	0.00	5.53	0.00	-9.16	1.

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.ESE13) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	679.6	1.	0.000	6.000	0.943	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	112.	1.00	0.021	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L6 E (G.ESE13) APT1	112.	41.	0.008	1.000	0.	0.00	0.00	2.40	0.00	-3.98	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.WSW5) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	956.7	2.	0.000	15.000	0.870	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	458.	1.00	0.087	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 W (G.WSW5) APT1	458.	58.	0.011	1.000	0.	0.00	0.00	9.81	0.00	-16.24	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.S6) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2069.4	4.	0.000	18.000	0.878	-21.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	551.	1.00	0.104	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 S (G.S6) APT3	551.	124.	0.024	1.000	0.	0.00	0.00	11.78	0.00	-19.51	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.ESE7) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1233.6	2.	0.000	12.000	0.896	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	333.	1.00	0.063	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 E (G.ESE7) APT1	333.	74.	0.015	1.000	0.	0.00	0.00	7.13	0.00	-11.80	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.W8) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	640.8	1.	0.000	6.000	0.809	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	268.	1.00	0.051	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 W (G.W8) APT1	268.	39.	0.008	1.000	0.	0.00	0.00	4.54	0.00	-9.52	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.NW9) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	938.6	2.	0.000	12.000	0.847	-12.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	414.	1.00	0.078	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 N (G.NW9) APT1	414.	56.	0.011	1.000	0.	0.00	0.00	8.86	0.00	-14.67	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.NE10) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	681.8	1.	0.000	6.000	0.866	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	169.	1.00	0.032	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 N (G.NE10) APT1	169.	41.	0.008	1.000	0.	0.00	0.00	3.61	0.00	-5.97	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.NW11) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	711.4	1.	0.000	6.000	0.847	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	191.	1.00	0.036	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 N (G.NW11) APT1	191.	43.	0.008	1.000	0.	0.00	0.00	4.09	0.00	-6.77	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.NE12) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1265.9	2.	0.000	9.000	0.844	-12.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	283.	1.00	0.053	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 N (G.NE12) APT1	283.	76.	0.015	1.000	0.	0.00	0.00	6.05	0.00	-10.03	1.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.ESE13) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	679.6	1.	0.000	6.000	0.933	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	118.	1.00	0.022	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L7 E (G.ESE13) APT1	118.	41.	0.008	1.000	0.	0.00	0.00	2.52	0.00	-4.17	1.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.WSW20) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	5740.4	11.	0.000	93.000	0.861	-105.000	0.170	0.171	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3017.	1.00	0.570	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 W (M.WSW20) APT1	503.	58.	0.011	1.000	0.	0.00	0.00	10.76	0.00	-17.82	6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.S21) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	12416.1	23.	0.000	120.000	0.877	-135.000	0.169	0.171	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3711.	1.00	0.701	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 S (M.S21) APT3	618.	124.	0.024	1.000	0.	0.00	0.00	13.23	0.00	-21.92	6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.ESE22) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	7401.4	14.	0.000	81.000	0.894	-90.000	0.170	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2294.	1.00	0.434	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 E (M.ESE22) APT1	382.	74.	0.015	1.000	0.	0.00	0.00	8.18	0.00	-13.55	6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.W23) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	3844.9	7.	0.000	51.000	0.847	-57.000	0.171	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1768.	1.00	0.334	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 W (M.W23) APT1	295.	39.	0.008	1.000	0.	0.00	0.00	6.30	0.00	-10.44	6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.NW24) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	5631.6	11.	0.000	72.000	0.834	-81.000	0.170	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2744.	1.00	0.519	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 N (M.NW24) APT1	457.	56.	0.011	1.000	0.	0.00	0.00	9.47	0.00	-16.21	6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.NE25) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	4090.5	8.	0.000	36.000	0.845	-39.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1176.	1.00	0.222	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 N (M.NE25) APT1	196.	41.	0.008	1.000	0.	0.00	0.00	4.19	0.00	-6.95	6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.NW26) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	4268.2	8.	0.000	45.000	0.850	-51.000	0.172	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1473.	1.00	0.278	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 N (M.NW26) APT1	245.	43.	0.008	1.000	0.	0.00	0.00	5.25	0.00	-8.70	6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.NE27) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	7595.5	14.	0.000	66.000	0.900	-72.000	0.171	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1781.	1.00	0.337	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 N (M.NE27) APT1	297.	76.	0.015	1.000	0.	0.00	0.00	6.35	0.00	-10.52	6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.ESE28) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	4077.3	8.	0.000	33.000	0.916	-36.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	819.	1.00	0.155	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L8 E (M.ESE28) APT1	137.	41.	0.008	1.000	0.	0.00	0.00	2.92	0.00	-4.84	6.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.WSW35) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	956.7	2.	0.000	18.000	0.873	-18.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	564.	1.00	0.107	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 W (T.WSW35) APT1	564.	58.	0.011	1.000	0.	0.00	0.00	12.07	0.00	-19.99	1.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.S36) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2069.4	4.	0.000	24.000	0.876	-27.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	756.	1.00	0.143	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 S (T.S36) APT3	756.	124.	0.024	1.000	0.	0.00	0.00	16.17	0.00	-26.78	1.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.ESE37) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1233.6	2.	0.000	18.000	0.874	-21.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	575.	1.00	0.109	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 E (T.ESE37) APT1	575.	74.	0.015	1.000	0.	0.00	0.00	12.31	0.00	-20.39	1.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.W38) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	640.8	1.	0.000	9.000	0.846	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	329.	1.00	0.062	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 W (T.W38) APT1	329.	39.	0.008	1.000	0.	0.00	0.00	7.03	0.00	-11.64	1.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.NW39) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	938.6	2.	0.000	12.000	0.822	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	503.	1.00	0.095	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 N (T.NW39) APT1	503.	56.	0.011	1.000	0.	0.00	0.00	9.28	0.00	-17.84	1.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.NE40) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	681.8	1.	0.000	6.000	0.844	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	196.	1.00	0.037	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 N (T.NE40) APT1	196.	41.	0.008	1.000	0.	0.00	0.00	4.20	0.00	-6.95	1.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.NW41) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	711.4	1.	0.000	6.000	0.817	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	245.	1.00	0.046	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 N (T.NW41) APT1	245.	43.	0.008	1.000	0.	0.00	0.00	4.60	0.00	-8.67	1.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.NE42) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1265.9	2.	0.000	12.000	0.844	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	459.	1.00	0.087	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 N (T.NE42) APT1	459.	76.	0.015	1.000	0.	0.00	0.00	9.62	0.00	-16.25	1.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.ESE43) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	679.6	1.	0.000	6.000	0.839	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	228.	1.00	0.043	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L14 E (T.ESE43) APT1	228.	41.	0.008	1.000	0.	0.00	0.00	4.77	0.00	-8.08	1.

REPORT- SV-A System Design Parameters for L15 Sys1 (PVVT) (G.SW5) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1302.8	2.	0.000	21.000	0.877	-21.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	615.	1.00	0.116	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L15 S (G.SW5) APT1	615.	78.	0.015	1.000	0.	0.00	0.00	13.16	0.00	-21.80	1.

REPORT- SV-A System Design Parameters for L15 Sys1 (PVVT) (G.W6) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	640.8	1.	0.000	9.000	0.849	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	311.	1.00	0.059	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L15 W (G.W6) APT1	311.	39.	0.008	1.000	0.	0.00	0.00	6.66	0.00	-11.03	1.

REPORT- SV-A System Design Parameters for L15 Sys1 (PVVT) (G.NW7) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	937.6	2.	0.000	12.000	0.830	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	470.	1.00	0.089	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L15 N (G.NW7) APT1	470.	56.	0.011	1.000	0.	0.00	0.00	9.41	0.00	-16.67	1.

REPORT- SV-A System Design Parameters for L15 Sys1 (PVVT) (G.NE8) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	543.9	5.	0.000	24.000	1.000	-27.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	202.	1.00	0.038	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L15 N (G.NE8) AMN	202.	0.	0.000	1.000	0.	0.00	0.00	4.33	0.00	-7.17	1.

REPORT- SV-A System Design Parameters for L15 Sys1 (PVVT) (G.NE9) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1484.8	15.	0.000	21.000	0.870	-24.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	658.	1.00	0.124	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L15 N (G.NE9) AMN	658.	0.	0.000	1.000	0.	0.00	0.00	14.09	0.00	-23.34	1.

REPORT- SV-A System Design Parameters for L15 Sys1 (PVVT) (G.SSE12) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1375.0	14.	0.000	48.000	1.000	-54.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	712.	1.00	0.135	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L15 S (G.SSE12) FIT	712.	0.	0.000	1.000	0.	0.00	0.00	15.23	0.00	-25.23	1.

REPORT- SV-A System Design Parameters for L16 Sys1 (PVVT) (G.SW5) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1361.3	3.	0.000	18.000	0.855	-21.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	590.	1.00	0.112	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L16 S (G.SW5) APT1	590.	82.	0.016	1.000	0.	0.00	0.00	12.63	0.00	-20.92	1.

REPORT- SV-A System Design Parameters for L16 Sys1 (PVVT) (G.W6) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	640.8	1.	0.000	9.000	0.864	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	280.	1.00	0.053	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L16 W (G.W6) APT1	280.	39.	0.008	1.000	0.	0.00	0.00	5.99	0.00	-9.92	1.

REPORT- SV-A System Design Parameters for L16 Sys1 (PVVT) (G.NW7) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	939.7	2.	0.000	12.000	0.840	-12.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	435.	1.00	0.082	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L16 N (G.NW7) APT1	435.	56.	0.011	1.000	0.	0.00	0.00	9.30	0.00	-15.41	1.

REPORT- SV-A System Design Parameters for L16 Sys1 (PVVT) (G.NE8) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	676.2	1.	0.000	6.000	0.854	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	183.	1.00	0.035	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L16 N (G.NE8) APT1	183.	41.	0.008	1.000	0.	0.00	0.00	3.91	0.00	-6.47	1.

REPORT- SV-A System Design Parameters for L16 Sys1 (PVVT) (G.NNE9) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1195.4	2.	0.000	12.000	0.841	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	413.	1.00	0.078	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L16 N (G.NNE9) APT1	413.	72.	0.014	1.000	0.	0.00	0.00	8.83	0.00	-14.63	1.

REPORT- SV-A System Design Parameters for L16 Sys1 (PVVT) (G.S12) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	766.1	1.	0.000	9.000	0.905	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	242.	1.00	0.046	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L16 S (G.S12) APT1	242.	46.	0.009	1.000	0.	0.00	0.00	5.18	0.00	-8.57	1.

REPORT- SV-A System Design Parameters for L16 Sys1 (PVVT) (G.SE13) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	898.6	2.	0.000	12.000	0.889	-12.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	350.	1.00	0.066	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L16 S (G.SE13) APT1	350.	54.	0.011	1.000	0.	0.00	0.00	7.50	0.00	-12.42	1.

REPORT- SV-A System Design Parameters for L16 Sys1 (PVVT) (G.ENE14) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	452.6	1.	0.000	6.000	0.845	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	224.	1.00	0.042	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L16 E (G.ENE14) APT1	224.	27.	0.005	1.000	0.	0.00	0.00	4.78	0.00	-7.92	1.

REPORT- SV-A System Design Parameters for L17 Sys1 (PVVT) (M.SW20) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	13613.1	26.	0.000	195.000	0.859	-219.000	0.166	0.169	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	6291.	1.00	1.189	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L17 S (M.SW20) APT1	629.	82.	0.016	1.000	0.	0.00	0.00	13.46	0.00	-22.29	10.

REPORT- SV-A System Design Parameters for L17 Sys1 (PVVT) (M.W21) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	6408.2	12.	0.000	84.000	0.841	-96.000	0.170	0.171	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3034.	1.00	0.573	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L17 W (M.W21) APT1	303.	39.	0.008	1.000	0.	0.00	0.00	6.49	0.00	-10.75	10.

REPORT- SV-A System Design Parameters for L17 Sys1 (PVVT) (M.NW22) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	9397.0	18.	0.000	126.000	0.836	-141.000	0.168	0.170	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	4759.	1.00	0.900	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L17 N (M.NW22) APT1	476.	56.	0.011	1.000	0.	0.00	0.00	9.98	0.00	-16.87	10.

REPORT- SV-A System Design Parameters for L17 Sys1 (PVVT) (M.NE23) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	6761.5	13.	0.000	66.000	0.848	-72.000	0.171	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2148.	1.00	0.406	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L17 N (M.NE23) APT1	215.	41.	0.008	1.000	0.	0.00	0.00	4.60	0.00	-7.61	10.

REPORT- SV-A System Design Parameters for L17 Sys1 (PVVT) (M.NNE24) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	11953.6	22.	0.000	153.000	0.862	-171.000	0.167	0.170	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	5081.	1.00	0.960	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L17 N (M.NNE24) APT1	508.	72.	0.014	1.000	0.	0.00	0.00	10.87	0.00	-18.01	10.

REPORT- SV-A System Design Parameters for L17 Sys1 (PVVT) (M.S27) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	7661.5	14.	0.000	81.000	0.870	-93.000	0.170	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2627.	1.00	0.497	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L17 S (M.S27) APT1	263.	46.	0.009	1.000	0.	0.00	0.00	5.62	0.00	-9.31	10.

REPORT- SV-A System Design Parameters for L17 Sys1 (PVVT) (M.SE28) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	8986.5	17.	0.000	126.000	0.885	-141.000	0.168	0.170	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3785.	1.00	0.715	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L17 S (M.SE28) APT1	378.	54.	0.011	1.000	0.	0.00	0.00	8.10	0.00	-13.41	10.

REPORT- SV-A System Design Parameters for L17 Sys1 (PVVT) (M.ENE29) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	4525.5	8.	0.000	72.000	0.855	-81.000	0.170	0.172	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2542.	1.00	0.480	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L17 E (M.ENE29) APT1	254.	27.	0.005	1.000	0.	0.00	0.00	5.44	0.00	-9.01	10.

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.SW35) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1361.3	3.	0.000	21.000	0.872	-24.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	654.	1.00	0.124	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L27 S (T.SW35) APT1	654.	82.	0.016	1.000	0.	0.00	0.00	13.99	0.00	-23.17	1.

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.W36) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	640.8	1.	0.000	9.000	0.847	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	325.	1.00	0.061	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L27 W (T.W36) APT1	325.	39.	0.008	1.000	0.	0.00	0.00	6.96	0.00	-11.52	1.

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.NW37) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	939.7	2.	0.000	15.000	0.852	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	515.	1.00	0.097	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L27 N (T.NW37) APT1	515.	56.	0.011	1.000	0.	0.00	0.00	11.02	0.00	-18.25	1.

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.NE38) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	676.2	1.	0.000	6.000	0.844	-6.700	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	197.	1.00	0.037	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L27 N (T.NE38) APT1	197.	41.	0.008	1.000	0.	0.00	0.00	4.22	0.00	-6.99	1.

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.NNE39) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1195.4	2.	0.000	12.000	0.835	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	433.	1.00	0.082	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L27 N (T.NNE39) APT1	433.	72.	0.014	1.000	0.	0.00	0.00	9.27	0.00	-15.36	1.

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.S42) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	766.1	1.	0.000	9.000	0.876	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	283.	1.00	0.054	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L27 S (T.S42) APT1	283.	46.	0.009	1.000	0.	0.00	0.00	6.06	0.00	-10.04	1.

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.SE43) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	898.6	2.	0.000	15.000	0.898	-15.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	422.	1.00	0.080	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L27 S (T.SE43) APT1	422.	54.	0.011	1.000	0.	0.00	0.00	9.04	0.00	-14.96	1.

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.ENE44) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	452.6	1.	0.000	9.000	0.874	-9.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	285.	1.00	0.054	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L27 E (T.ENE44) APT1	285.	27.	0.005	1.000	0.	0.00	0.00	6.10	0.00	-10.10	1.

REPORT- SV-A System Design Parameters for L28 Sys1 (PVVT) (G.SW5) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1879.8	4.	0.000	27.000	0.845	-33.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	962.	1.00	0.182	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L28 S (G.SW5) APT1	962.	113.	0.022	1.000	0.	0.00	0.00	20.57	0.00	-34.07	1.

REPORT- SV-A System Design Parameters for L28 Sys1 (PVVT) (G.NE6) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1544.3	3.	0.000	21.000	0.874	-21.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	668.	1.00	0.126	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L28 N (G.NE6) APT1	668.	93.	0.018	1.000	0.	0.00	0.00	14.29	0.00	-23.67	1.

REPORT- SV-A System Design Parameters for L28 Sys1 (PVVT) (G.SSE9) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1601.0	3.	0.000	24.000	0.869	-30.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	791.	1.00	0.150	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L28 S (G.SSE9) APT1	791.	96.	0.019	1.000	0.	0.00	0.00	16.93	0.00	-28.04	1.

REPORT- SV-A System Design Parameters for L28 Sys1 (PVVT) (G.N10) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1631.5	3.	0.000	21.000	0.838	-24.000	0.172	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	772.	1.00	0.146	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L28 N (G.N10) APT1	772.	98.	0.019	1.000	0.	0.00	0.00	16.52	0.00	-27.36	1.

REPORT- SV-A System Design Parameters for L29 Sys1 (PVVT) (G.SW5) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1035.2	10.	0.000	30.000	0.869	-34.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	906.	1.00	0.171	0.58	0.0	0.50	0.00	DRAW-THRU	CONSTANT	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L29 S (G.SW5) AMN	906.	0.	0.000	1.000	0.	0.00	0.00	19.38	0.00	-32.10	1.

REPORT- SV-A System Design Parameters for L29 Sys1 (PVVT) (G.N9) WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	674.1	22.	0.138	24.000	0.722	-27.000	0.173	0.173	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1226.	1.00	0.232	0.58	0.0	0.50	0.00	DRAW-THRU	CONSTANT	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L29 N (G.N9) RST	1226.	2000.	0.880	1.000	169.	0.00	0.00	14.44	0.00	-31.88	1.

REPORT- SV-A System Design Parameters for Elec Room VRF WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	2664.2	0.	0.000	180.000	0.740	-7.437	0.173	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	4143.	1.00	0.715	0.53	0.0	0.00	0.00	DRAW-THRU	CYCLING	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 C (G.C5) ELEC	167.	0.	0.000	1.000	0.	0.00	0.00	4.43	0.00	-0.59	1.
Zn L4 C (G.C7) ELEC	164.	0.	0.000	1.000	0.	0.00	0.00	4.36	0.00	-0.58	1.
Zn L6 N (G.N4) ELEC	163.	0.	0.000	1.000	0.	0.00	0.00	4.32	0.00	-0.58	1.
Zn L7 N (G.N4) ELEC	160.	0.	0.000	1.000	0.	0.00	0.00	4.25	0.00	-0.57	1.
Zn L8 N (M.N19) ELEC	164.	0.	0.000	1.000	0.	0.00	0.00	4.35	0.00	-0.58	6.
Zn L14 N (T.N34) ELEC	171.	0.	0.000	1.000	0.	0.00	0.00	4.52	0.00	-0.60	1.
Zn L15 N (G.N4) ELEC	168.	0.	0.000	1.000	0.	0.00	0.00	4.46	0.00	-0.60	1.
Zn L16 N (G.N4) ELEC	163.	0.	0.000	1.000	0.	0.00	0.00	4.32	0.00	-0.58	1.
Zn L17 N (M.N19) ELEC	166.	0.	0.000	1.000	0.	0.00	0.00	4.40	0.00	-0.59	10.
Zn L27 N (T.N34) ELEC	171.	0.	0.000	1.000	0.	0.00	0.00	4.53	0.00	-0.60	1.
Zn L28 N (G.N4) ELEC	169.	0.	0.000	1.000	0.	0.00	0.00	4.48	0.00	-0.60	1.

REPORT- SV-A System Design Parameters for Freeze Protect WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PTAC	1.000	128764.8	0.	0.000	0.000	0.000	0.000	0.166	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1754.	0.00	0.001	2.51	0.0	0.00	0.00	BLOW-THRU	CYCLING	0.00	0.00

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	EXTRACTION SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
Zn L5 C (G.C14) STO	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L16 C (G.C15) STO	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L17 C (M.C30) STO	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	10.
Zn L27 C (T.C45) STO	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L29 S (G.SE7) RR	33.	0.	0.027	1.000	0.	1.37	0.60	1.25	-2.15	-2.24	1.
Zn L1 N (G.NW1) STR	49.	0.	0.040	1.000	0.	1.99	0.60	1.84	-3.16	-3.30	1.
Zn L1 C (G.C6) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L1 C (G.C17) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P1 W (B.WNW3) STR	37.	0.	0.030	1.000	0.	1.47	0.60	1.33	-2.37	-2.37	1.
Zn P1 C (B.C5) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P3 W (BB.WNW2) STR	32.	0.	0.026	1.000	0.	1.28	0.60	1.15	-2.06	-2.06	1.
Zn P3 C (BB.C3) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P2 W (UB.WNW11) STR	31.	0.	0.025	1.000	0.	1.25	0.60	1.13	-2.02	-2.02	1.
Zn P2 C (UB.C12) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P4 W (B.WNW2) STR	28.	0.	0.023	1.000	0.	1.14	0.60	1.03	-1.84	-1.84	1.
Zn L2 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L2 C (G.C4) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L3 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L3 C (G.C4) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L4 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L4 C (G.C4) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L5 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L5 C (G.C3) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L6 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L6 C (G.C15) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L7 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L7 C (G.C15) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L8 C (M.C16) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	6.
Zn L8 C (M.C30) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	6.
Zn L14 C (T.C31) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.

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Zn L14 C (T.C45) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L15 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L15 C (G.C11) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L16 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L16 C (G.C11) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L17 C (M.C16) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	10.
Zn L17 C (M.C26) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	10.
Zn L27 C (T.C31) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L27 C (T.C41) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L28 C (G.C1) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L28 C (G.C8) STR	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L29 W (G.WNW1) STR	41.	0.	0.033	1.000	0.	1.66	0.60	1.56	-2.67	-2.78	1.
Zn L29 E (G.E6) STR	74.	0.	0.060	1.000	0.	2.99	0.60	2.80	-4.79	-5.00	1.
Zn P1 W (B.W2) MECH	37.	0.	0.030	1.000	0.	1.49	0.60	1.35	-2.40	-2.41	1.
Zn P1 N (B.N4) MECH	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P1 S (B.SE7) MECH	42.	0.	0.034	1.000	0.	1.66	0.60	1.50	-2.69	-2.69	1.
Zn P3 S (BB.SW1) MECH	47.	0.	0.038	1.000	0.	1.89	0.60	1.71	-3.05	-3.06	1.
Zn P2 S (UB.SW10) MECH	42.	0.	0.034	1.000	0.	1.67	0.60	1.51	-2.69	-2.69	1.
Zn P4 S (B.SW1) MECH	46.	0.	0.038	1.000	0.	1.86	0.60	1.68	-2.99	-3.00	1.
Zn L28 C (G.C11) MECH	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L29 N (G.NNW8) MECH	77.	0.	0.062	1.000	0.	3.11	0.60	2.90	-4.97	-5.19	1.
Zn P1 C (B.C10) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L4 C (G.C3) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L1 C (G.C9) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P3 C (BB.C6) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P2 C (UB.C15) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P4 S (B.SSE5) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L2 C (G.C3) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L3 C (G.C3) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L5 C (G.C2) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L6 C (G.C2) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L7 C (G.C2) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L8 C (M.C17) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	6.
Zn L14 C (T.C32) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L15 C (G.C2) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L16 C (G.C2) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L17 C (M.C17) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	10.
Zn L27 C (T.C32) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L28 C (G.C2) ELV	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L29 S (G.S3) ELV	59.	0.	0.048	1.000	0.	2.41	0.60	2.23	-3.81	-3.98	1.
Zn P3 C (BB.C4) STO	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P2 C (UB.C13) STO	10.	0.	0.008	1.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L1 C (G.C7) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L1 S (G.S12) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

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Zn P1 C (B.C8) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L2 C (G.C6) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L3 C (G.C6) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L4 C (G.C5) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L5 C (G.C4) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L6 C (G.C3) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L7 C (G.C3) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L8 C (M.C18) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	6.
Zn L14 C (T.C33) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L15 C (G.C3) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L16 C (G.C3) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L17 C (M.C18) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	10.
Zn L27 C (T.C33) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L28 C (G.C3) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L29 C (G.C4) TRSH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L1 S (G.S13) ELEC	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P1 S (B.SW1) ELEC	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P1 S (B.S6) ELEC	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L1 S (G.SW3) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L1 S (G.S11) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L1 S (G.S19) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P1 W (B.WSW11) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P1 N (B.NNE12) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P1 S (B.SE13) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P3 W (BB.W7) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P3 N (BB.NNE8) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P3 S (BB.SSE9) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P2 W (UB.W16) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P2 N (UB.NNE17) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P2 S (UB.SSE18) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P4 N (B.N6) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L2 E (G.E5) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L2 S (G.SSW7) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L2 N (G.NNW8) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L3 E (G.E5) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L3 S (G.S7) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L3 N (G.NW8) PKG	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn P4 N (B.NE3) STO	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
L30 Zn (G.1) MECH	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
Zn L1 N (G.NW15) VEST	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for SYS11 RTL DOAS WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1.0	0.	1.000	91.866	0.601	-100.210	0.241	0.221	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1922.	1.00	1.559	2.51	0.0	0.00	0.00	DRAW-THRU	CONSTANT	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
RTL DOAS DUMMY ZN	1922.	0.	0.000	1.000	1922.	0.00	0.00	20.76	0.00	-83.02	1.

REPORT- SV-A System Design Parameters for SYS11 Office DOAS WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1.0	0.	1.000	68.463	0.601	-74.813	0.243	0.222	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1432.	1.00	1.162	2.51	0.0	0.00	0.00	DRAW-THRU	CONSTANT	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
OFF DOAS DUMMY ZN	1432.	0.	0.000	1.000	1432.	0.00	0.00	15.47	0.00	-61.87	1.

REPORT- SV-A System Design Parameters for L15 Amenity ERV WEATHER FILE- SEATTLE BOEING FI WA

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVVT	1.000	1.0	0.	1.000	43.021	0.601	-46.611	0.200	0.184	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	900.	1.00	1.041	3.58	0.0	0.00	0.00	DRAW-THRU	CONSTANT	1.00	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
L15 ERV DUMMY ZN	900.	0.	0.000	1.000	900.	0.00	0.00	9.72	0.00	-38.88	1.